GOVERNMENT OF INDIA

India. METEOROLOGICAL DEPARTMENT

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JANUARY 1915.

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Offg. Director-General of Observatories.

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Hourly observations of pressure, temperature, vapour tension, humidity, cloud, wind direction and velocity of wind taken at Trivandrum during the years 1853 to 1864. Complete in 7 parts . . Price each part Rs. 1-8	Sir John Eliot.

* Copies for the years 1876, 1878 to 1881, 1884, 1887 and 1890 are out of print.

† Copies for the years 1891 to 1905 are out of print.

‡ Published continuously about four months after date. Copies for 1891—97, January, 1898, January, 1899, to May, 1902, January to November (June excepted), 1906, and January and March, 1904, are out of print.

Continued on page iii of this cover.

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GOVERNMENT OF INDIA.

METEOROLOGICAL DEPARTMENT.

MONTHLY WEATHER REVIEW.

PUBLISHED BY ORDER OF

THE GOVERNMENT OF INDIA.

CALCUTTA, JANUARY, 1915.

INTRODUCTION.

THIS review of the weather in India during the month of January, 1915, is based on observations taken daily at 8 hrs. at 215 stations, and on additional observations taken at 10 hrs. and 16 hrs. at 14 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, magnetic and seismic disturbances are supplied by the chief observatories in the Indian area.

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.

New normals of pressure, temperature, humidity and cloud derived from the records of the years prior to 1911 have been used from January 1915 in Tables B and C of the review.

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

2. Of the disturbances recorded during the month three were well marked, but they were of an unusual type and the associated rainfall was hence very abnormal in distribution. Nearly the whole of the Peninsula, the Central Provinces, Central India, Gujarat, Rajputana, the United Provinces West, Lower Burma and the Bay Islands received more rain than usual, and some parts of the Peninsula from five to nine times the normal fall of the month. On the other hand the rainfall in the tract of country extending from the north of Burma to the North-West Frontier Province as well as in Baluchistan fell appreciably short of the average.

Mean pressure of the month was ·054″ in excess in the plains, and by even larger amounts in the hill districts of upper India.

Temperature, both by day and night, was lower than usual in Kashmir and about the average in almost all other places. Humidity conditions were approximately normal in the plains, but the sky was clouded to an unusual extent everywhere with the exception of the region lying to the west of a line joining Karachi and Bareilly.

Solar, magnetic and seismic disturbances.

KODAIKANAL OBSERVATORY.

3. *Solar observations.*—The weather was very favourable for solar observations during the month. There was only one day when no observations were possible and on another day prominences could not be recorded.

Sunspots.—The increased spot activity noticed in the two preceding months was maintained in January also. Eighteen new groups of spots were observed as against fourteen in December. The daily average number was 2·4 and the average life of a spot 4·0 days. All the spots were small except No. 2117 which appeared near the east limb on January 1 and rapidly developed into a large double spot.

The northern hemisphere had a great preponderance of spots and the distribution in latitude was as follows :—

TABLE 1.

—	0°—10°	11°—20°	21°—30°	Mean latitude.	Extreme latitudes.
North	1	8	6	18°·9	10° & 27°
South	...	1	2	19°·3	13° & 23°

Prominences.—Seventy-nine large, three eruptive and eight metallic prominences were recorded during the month. The highest was an eruptive prominence observed on the 26th at latitude —40° west and was 280″ high at 10 hrs. 15 minutes I. S. T.

Magnetic disturbances.—A "moderate" disturbance was recorded from the 25th to 26th of the month.

J. EVERSHED,
Director,
Kodaikanal and Madras Observatories.

Seismic records.

$\phi = 10° 13' 50''$; $\lambda = 77° 28' 00''$; $h = 2343$ m. Subsoil Rock.

Apparatus.—Milne's Horizontal Pendulum Seismograph.

TABLE 2.

	V	To	ϵ	$\frac{r}{To^2}$
AN :				
AE :	9·76	3·5	1	15·6
AZ :				

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude (u). An.	Ae.	Az.	Distance Δ (Km.)	Remarks.
1915. Jan. 4th	e P	h. m. s. 0 7 12	...	...	...	...	...	Widening of line.
	F	0 13 24	...	...	...	...	...	
„ 4th	e P	0 16 00	...	...	...	...	...	Widening of line.
	F	0 21 42	...	...	...	...	...	
„ 4th	e P	0 30 30	...	...	...	...	...	Widening of line.
	F	0 34 42	...	...	...	...	...	
„ 5th	e P	14 48 00	...	...	...	...	...	
	e L	14 55 36	...	...	...	...	...	
	M	15 04 54	...	...	50	...	...	
	F	15 56 24	...	...	...	...	...	
1915. Jan. 5th	e P	h. m. s. 23 35 54	...	...	...	...	...	
„ 6th	iL	0 41 18	...	...	...	...	...	
	M	1 00 18	...	...	100	...	...	
	F	1 50 30	...	...	...	...	...	
„ 8th	e P	9 56 42	...	...	...	...	...	Widening of line.
	F	10 13 06	...	...	...	...	...	
„ 10th	e P	1 09 12	...	...	...	...	...	Widening of line.
	F	1 15 42	...	...	...	...	...	
„ 11th	e P	9 04 36	...	...	...	...	...	Widening of line.
	F	9 08 00	...	...	...	...	...	
„ 17th	e P	4 01 48	...	...	...	...	...	Widening of line.
	F	4 04 54	...	...	...	...	...	

The instrument was not working satisfactorily during the month. From January 12th to February 5th it was under repairs and during this period record was obtained only on January 17th.

S. SITARAM AIYAR,
Actg. Assistant Director,
Kodaikanal and Madras Observatories.

BOMBAY OBSERVATORY.

Alibag magnetic record.

4. During the month of January 1915, the traces showed 13 calm days, and 18 days of small disturbance.

The days of the month selected as quiet for the purposes of the Magnetic Survey of India are the 3rd, 11th, 16th, 19th and 31st.

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

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

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 the declination for the month are as follow :—

Easterly declination	0° 42′ 13″.
Horizontal force	0·36881 C.G.S. unit.
Vertical force	0·16648 C.G.S. „
Inclination	24° 17′·7.
Horizontal force range . . .	0·00035 C.G.S. unit.
Horizontal force summed range . .	0·00214 C.G.S. „
Declination range	1′·5.
Declination summed range . . .	7′·5.

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

Seismic records.

$\phi = 18° 53' 36''$; $L = 72° 48' 56''$; $h = 11$ m. Subsoil Trap.

Apparatus.—Milne's Horizontal Pendulum Seismograph.

TABLE 4.

	V	To	ϵ	$\frac{r}{To^2}$
AN :				
AE :	9	21	1	
AZ :				

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude (u). An.	Ae.	Az.	Distance Δ (Km.)	Remarks.
1915. Jan. 5th	P	h. m. s.	...	...	...	...	...	Beginning lost in shifting time.
	M	.....	...	...	...	...	...	Max. lost in shifting time.
	F	16 4 34	...	...	...	...	...	
„ 5th	P	.....	...	...	...	...	...	Beginning mixed in tremors.
„ 6th	M	23 58 52	...	...	167	...	...	
	F	.....	...	...	...	...	...	End mixed in tremors.
„ 9th	P	14 12 00	...	...	...	...	...	Thickening of line.

One disturbance at about 7 h. on 13th is lost, while the room was being white-washed.

Sensibility to tilt 1 mm. of amplitude on the trace = 0·29″.

MUKUND. V. UNAKAR,

Offg. Director,

Bombay and Alibag Observatories.

5.—CALCUTTA (ALIPORE) OBSERVATORY.

The Seismograph dismantled.

6. SIMLA OBSERVATORY.

Seismic records.

$\phi = 31° 6' 0''$; $L = 77° 11' 0''$; $h = 2433·5$ m. Subsoil Rock.

Apparatus.—Two Omori—Ewing Horizontal Pendulum Seismographs. (Masses 50 Kgs.).

TABLE 5.

	V	To	ϵ	$\frac{r}{To^2}$
AN :	14	45	1	
AE :	14	45	1	
AZ :				

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude (u). An.	Ae.	Az.	Distance Δ (Km.)	Remarks.
1915. Jan. 4th	e	h. m. s. 0 0 0	17	11	...	...	...	
	F	0 32 0	...	...	...	...	...	Tremors
„ 5th	P	4 54 36	...	...	...	...	...	
	S	4 55 30	...	...	...	...	...	
	L	4 56 0	...	...	...	...	...	
	M	4 56 6	2	57	21	...	...	
	F	5 9 24	...	...	...	...	...	
„ 5th	e	14 50 0	...	...	...	...	...	
	F	15 50 0	...	...	...	...	...	Slight tremors.
„ 5th	P	23 34 6	...	...	...	...	...	
	S	23 40 0	...	...	...	...	...	
	e L	23 48 48	...	...	...	...	...	
„ 6th	F	0 41 48	...	...	...	...	...	
„ 10th	e	0 58 48	...	...	...	...	...	
	F	1 10 36	...	...	...	...	...	Slight tremors.
„ 10th	P	7 47 6	...	...	...	...	...	
	M	7 47 18	Rapid	7	4	...	...	
	F	7 48 54	...	...	...	...	...	
„ 13th	P	6 34 24	...	...	...	...	...	
	S	7 8 48	...	...	...	...	...	
	e L	7 20 36	...	...	...	...	...	
	M	7 22 30	...	...	...	...	...	
	F	8 40 6	...	...	...	...	...	

Date.	Phase.	Time G. M. T.	Period. (Sec.)	Amplitude (u). An.	Ae.	Az.	Distance Δ (Km.)	Remarks.
1915.		h. m. s.						
Jan. 21st	e	15 19 0	...	...	...	...	...	
	F	15 31 0	...	...	...	...	...	Veryslight tremors.
„ 27th	P	1 20 36	...	...	...	...	...	
	e L	1 37 12	...	...	...	...	...	
	M	1 38 0	...	...	...	...	...	
	F	2 13 30	...	...	...	...	...	

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

TABLE 6.

Place at which felt.	Date.	G. M. T. of earthquake.	Duration.	Intensity Rossi-Forel scale.	No. of shocks.
		h. m.	Sec.		
Shillong	Jan. 3rd	8 22	1	3	1
Simla	„ 5th	4 54	5	6	1
Srinagar	„ 5th	4 54	2	6	1
Kila Drosh	„ 5th	5 0	7, 15 & 4 respectively.	6	3
Shillong	„ 5th	15 44	1	5	1
„	„ 8th	3 44	1	3	1
Kila Drosh	„ 12th	20 15	12	5	1
Borjuli (Darrang District, Assam.)	Jan. 18th	16 28	1	5	1
Shillong	„ 18th	16 55	...	8	1
„	„ 18th	20 32	1	3	1
„	„ 19th	0 35	1	6	1
Gauhati	„ 19th	17 0	5	6	2
Kila Drosh	„ 29th	16 25	10	5	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	1·50
Minimum	1·45
Mean	1·47
Number of days of observation .	4

C. W. NORMAND,

Imperial Meteorologist, Simla.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

7. No information has been received.

Weather in the Indian Ocean.

8. Pressure was markedly in excess and rainfall in defect at all the stations.

TABLE 7.

—	Mauritius.	Zanzibar.	Seychelles.
	"	"	"
Departure from normal of mean pressure	+ ·094	+ ·041	+ ·051
Actual mean wind direction . .	N 86° E	N 23° E	N 36° W
Normal mean wind direction . .	S 86° E	N 28° E	N 39° W
Actual mean wind velocity (miles per diem).	177	161	91
Normal mean wind velocity (miles per diem).	169	137	107
Rainfall departure from normal . .	—6·46	—1·63	—6·33

Depressions and cyclonic storms.

9. Slight disturbances were recorded in north-west India on the 1st, 7th, 16th and 17th, 23rd and 24th and 30th, but of these only the first, third and the fifth were connected with or the continuation of the depressions in Persia. In addition to these two very ill-defined disturbances occurred over the central parts of the country causing scattered falls of rain in the United Provinces, the Central Provinces and north-east India between the 25th and the 28th. The most noteworthy disturbance of the month was however one which appeared over the south of the Bay on the 13th and travelled northwards during the next three days. It, as is usual with the disturbances of this class, never developed into a definite barometric depression, but under its influence widespread rain fell over the Peninsula and local rain in north-east India. The following statement giving the daily falls of over 3″ in amount illustrates the character of this burst of rainfall :—

TABLE 8.

District.	Station.	Rainfall in 24 hours preceding 8 A.M. of date.				
		15th.	16th.	17th.	18th.	19th.
		″	″	″	″	″
MADRAS	Madras	8·38	...	...	...	...
CHINGLEPUT	Attipat	3·35	...	...	...	...
	Ponneri	...	...	...	4·88	...
	Poonamallee	4·77	...	...	...	...
	Saidapat	7·09	...	...	...	...
SOUTH ARCOT	Villupuram	...	4·39	...	...	...
GUNTUR	Ongole	...	...	4·05	...	...
	Kanuparti	...	...	3·04	...	...
NELLORE	Kanigiri	...	...	4·70	...	...
	Kandukur	...	...	11·05	...	...
	Rapur	...	...	...	3·27	...
CHITTOOR	Kalahasti	...	...	...	6·95	...
NORTH ARCOT	Sholinghur	...	...	5·70	...	...
NILGIRIS	Coonoor	...	...	7·06	...	...
TRAVANCORE	Vaikam	...	...	...	3·76	...
MADURA	Peraiyur	...	...	...	...	3·08
TINNEVELLY	Sankaranayinarkoyil.	...	...	...	...	3·68

Disturbances of this type are very rare and there are some grounds for believing that they are caused by a projection northwards of the equatorial belt of squally weather.

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, have always been in use. But of late years there has been an increasing number of barometers on the Kew principle, 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 instruments of the latter class :—

Aden.	Dinajpur.	Negapatam.
Akyab.	Gangtok.	Noakhali.
Barisal.	Gorakhpur.	Nowgong.
Bhamo.	Gyantse.	Rangoon.
Bogra.	Jalpaiguri.	Ratnagiri.
Bushire.	Mangalore.	Tavoy.
Cochin.	Midnapore.	Toungoo.
Cox's Bazar.	Minbu.	Victoria Point.
Cuddapah.	Monywa.	Yamethin.
Delhi.	Mymensingh.	Zanzibar.

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

Colombo.	Katmandu.	Panjgur.
Dalbandin.	Kurnool.	Trincomalee.
Fort Sandeman.	Patiala.	Trivandrum.
Kalat.		

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

All instruments are compared at Calcutta before issue, and their corrections determined to the Calcutta standard, which was until 1910, ·011″ higher than the Kew standard and the present difference is under investigation.

The barometers are in all cases situated 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 separa-

tely 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 (reduced to 32°F.), recorded during the month with their respective dates of occurrence.

(4) The total range of 8 hrs. pressure during the month, *i.e.*, the difference between the highest and lowest readings.

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 pressure 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 in Table A, have been obtained by taking the means of the 10 hrs. and 16 hrs. observations and applying corrections for each month, derived from a series of hourly observations recorded at 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 given in Table B of the review have been deduced from the barometric observations of the whole of the twenty-two years' period 1889-1910, and in all except 24 cases the periods employed equalled or exceeded five years.

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 down to 1899 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.

Atmospheric pressure was higher than usual at all the recording stations. In the plains the excess was most pronounced along the foot of the hills from Barielly to Sialkot (about ·080″), and least in Ceylon where it averaged ·02″.

TABLE 9.

DIVISION.	Departure from normal of mean 8 hrs. pressure.
	″
Burma	+·054
Assam	+·058
Bengal	+·058
Bihar and Orissa	+·063
United Provinces	+·070
Punjab	+·073
North-West Frontier Province	+·047
Sind	+·062
Rajputana	+·056
Bombay	+·038
Central India	+·049
Central Provinces	+·053
Hyderabad	+·045
Mysore	+·034
Madras	+·035

Pressure was in even greater excess in the hill districts of north-west India than in the adjacent plains, showing that the actions giving rise to it extended vertically through a great depth of atmosphere.

TABLE 10.

HILL STATION.	Departure from normal pressure. A	PLAIN STATION.	Departure from normal pressure. B	Departure of pressure difference. B—A.
	″		″	″
Quetta and Chaman	+·067	Jacobabad	+·057	—·010
Leh	+·145	Lahore	+·079	—·066
Murree	+·089	Peshawar	+·051	—·038
Simla	+·090	Ludhiana	+·083	—·007
Mount Abu	+·050	Deesa	+·058	+·008
Pachmarhi	+·054	Khandwa	+·058	+·004
Kodaikanal	+·031	Madura	+·031	0

It is noteworthy that the high density of the atmosphere was, except in the case of Kashmir, associated with a temperature equal to or in excess of the normal.

Temperature.

11. The mean temperature data are given in Tables 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 great majority of cases the normals of maximum and minimum temperature for the stations in Table B, are derived from the data of the 33 year period 1878—1910; in the case of some of the most recently started observatories the period is shorter, but it is never less than five years. The normals are given in the "Indian Meteorological Memoirs", Volume XXII, Part III, pages 426-457. 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 for the purposes of Table B that the mean temperature of the day really denotes the mean temperature of the 24 hours preceding 8 hrs. of the day in question and that therefore the month for which the means are given in this table terminates at 8 hrs. of the last day of the month. In the case of Table A, however, the day or 24 hours period terminates at midnight (and not at 8 hrs. as in Table B) and the monthly means apply therefore to monthly periods ending at midnight of the last day of the month in question.

In Table A the mean of daily mean temperatures for each month is obtained by taking the mean of the maximum and minimum temperatures and applying a correction given on pages XV to XXI of 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 condition 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 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 re-standardised 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 temperatures from their normal values for the month. These charts are given in Plates III and 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.

Except in Kashmir where both the maximum and the minimum temperatures were appreciably in defect, the temperature conditions of the month differed but little from the normal in any part of 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	84·8	77·0	80·9	7·8	14·9	—0·1	+1·7	—1·8
2. Lower Burma	85·6	66·8	76·2	18·8	27·8	—0·4	+1·9	—2·3
3. Upper Burma	79·8	54·9	67·3	24·8	36·9	—1·1	+2·0	—3·1
4. Assam	76·2	53·3	64·7	22·9	34·5	+2·2	+2·8	—0·6
5. Bengal	78·1	55·6	66·9	22·5	35·6	+1·2	+1·3	—0·1
6. Orissa	80·3	58·2	69·3	22·1	35·6	—2·0	—0·1	—1·9
7. Chota Nagpur	78·7	52·3	65·5	26·4	42·7	+0·7	+1·3	—0·6
8. Bihar	76·4	50·9	63·7	25·5	39·4	+2·4	+0·7	+1·7
9. United Provinces, East	74·6	48·8	61·7	25·7	40·0	+1·3	+1·2	+0·1

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.
	°	°	°	°	°	°	°	°
10. United Provinces West	71·6	46·9	59·2	24·7	37·9	—0·3	—0·3	0
11. Punjab, East and North	67·8	42·5	55·2	25·3	36·4	+0·7	—0·5	+1·2
12. Do., South-west	70·6	40·7	55·7	29·9	40·8	+2·5	+0·6	+1·9
13. Kashmir	29·6	7·9	18·8	21·7	35·6	—4·4	—6·7	+2·3
14. North-West Frontier Province	67·5	38·1	52·7	29·3	41·6	+1·7	—1·8	+3·5
15. Baluchistan	63·3	34·4	48·8	29·0	46·7	+2·9	—0·6	+3·5
16. Sind	76·4	50·5	63·4	25·8	39·2	+1·4	—0·2	+1·6
17. Rajputana, West	73·5	47·7	60·6	25·9	41·7	—0·2	—1·4	+1·2
18. Do., East	73·4	48·6	61·0	24·7	39·2	—1·4	+0·5	—1·9
19. Gujarat	81·6	53·9	67·7	27·7	42·1	—0·4	—1·2	+0·8
20. Central India, West	78·5	49·9	64·2	28·5	46·1	+0·1	+0·9	—0·8
21. Do., East	74·5	49·1	61·7	25·4	45·5	+0·1	+1·5	—1·4
22. Berar	83·1	57·9	70·5	25·2	38·3	—1·1	+1·7	—2·8
23. Central Provinces, West	80·4	53·7	67·1	26·7	42·6	+0·1	+1·7	—1·6
24. Do., East	79·4	55·0	67·2	24·4	39·1	—1·5	+1·4	—2·9
25. Konkan	85·7	69·0	77·3	16·7	26·7	+0·5	+1·5	—1·0
26. Bombay Deccan	84·0	58·0	71·0	26·1	37·8	—1·7	+2·2	—3·9
27. Hyderabad, North	82·7	60·1	71·4	22·6	34·0	—2·1	+3·8	—5·9
28. Do., South	83·7	63·2	73·5	20·6	30·0	—2·5	+1·4	—3·9
29. Mysore	83·8	61·4	72·6	22·4	33·7	+1·0	+2·9	—1·9
30. Malabar	88·1	73·3	80·7	14·8	21·4	+0·7	+2·5	—1·8
31. Madras, South-east	84·9	69·1	77·0	15·9	23·9	—0·4	+1·1	—1·5
32. Do. Deccan	87·3	64·8	76·1	22·5	34·8	—1·3	+2·4	—3·7
33. Do. Coast, North	80·7	65·8	73·3	14·9	25·3	—1·7	+0·5	—2·2

TABLE 12.

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

Division.	Departure from normal of		
	Mean maximum temperature	Mean minimum temperature.	Mean temperature.
	°	°	°
Sind	+1·4	—0·2	+0·6
Rajputana	—0·9	—0·2	—0·6
Bombay	—0·6	+0·5	0
Central India	+0·1	+1·2	+0·6
Central Provinces	—0·5	+1·6	+0·6
Hyderabad	—2·4	+2·2	—0·1
Mysore	+1·0	+2·9	+1·9
Madras	—0·6	+1·4	+0·4

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 heading "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, and the resultant direction of the wind, the mean hourly air movement and the steadiness derived from these observations. 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 1 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 directions 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 figures of the 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."

All anemometers used in India are compared before issue with the standard Beckley anemograph at Calcutta Observatory, but as only the instruments with small corrections are issued no correction has been applied to the values given in Tables B and C.

(*a*) As usually happens when the cold weather storms are comparatively rare and feeble the air movement was below its normal intensity over practically the whole of northern India, but particularly in the Indus valley. On the other hand the wind blew with more than its usual velocity in Mysore and Madras. The degree of steadiness was distinctly high in Burma, Assam, the Punjab, Sind and Hyderabad, and low in the United Provinces and the North-West Frontier Province.

(*b*) The deflections from the normal of the direction of wind were irregular and of little significance.

TABLE 13.

Division.	Departure from normal of	
	Hourly wind velocity.	Wind steadiness.
Burma	—0·2	+12
Assam	—0·2	+ 9
Bengal	—0·6	— 2
Bihar and Orissa	—0·2	— 1
United Provinces	—0·5	— 9
Punjab	—0·2	+ 6
North-West Frontier Province	—0·7	— 9
Sind	—1·3	+ 7
Rajputana	+0·1	+ 3
Bombay	—0·5	0
Central India	—0·5	+ 1
Central Provinces	+0·1	+ 1
Hyderabad	—0·8	+30
Mysore	+0·4	+ 2
Madras	+0·6	+ 8

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 8hrs. absolute humidity, and the second that of the relative humidity.

The proportion of cloud is estimated in tenths of the sky expense, an overcast sky being denoted by 10 and a cloudless sky by o. The monthly means in Table A are the arithmetical means of the cloud amounts at 10 hrs. and 16 hrs., and the normal means, with which the actual monthly means are compared, are derived from the available cloud data for the same hours.

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

Normal values for most of the stations in Table B, have been derived from the 8 hrs. records of the period 1889-1910.

The relative humidity was appreciably low in the hill districts of upper India, but in almost all other parts of the country the hygrometric conditions of the month were fairly normal.

The quantity of cloud present during the month fell much short of the normal in the usual region of the winter precipitation, *viz.*, in Baluchistan, Sind, the North-West Frontier Province, the Punjab and Kashmir, was about the average in Rajputana and the United Provinces and greater than usual over the rest of the country. Cloud was on the whole heaviest in the Peninsula and Burma excluding Tenasserim, areas where under ordinary conditions skies are almost clear. The distribution of cloud was thus very abnormal.

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	+ 3	·568	+ ·037	3·6	+1·8
Assam	94	0	·442	+ ·041	5·3	+1·3
Bengal	84	— 2	·436	0	2·9	+1·2
Bihar and Orissa	76	— 3	·380	—·004	3·0	+1·1
United Provinces	82	+ 2	·333	+ ·021	2·6	+0·2
Punjab	83	+ 6	·263	+ ·014	2·6	—1·1
North-West Frontier Province.	81	+ 9	·209	+ ·003	1·9	—2·0
Sind	69	+ 7	·287	+ ·045	1·3	—1·5
Rajputana	59	0	·237	+ ·003	2·9	+0·3
Bombay	61	+ 1	·385	+ ·007	2·3	+1·0
Central India	64	— 2	·293	+ ·003	2·8	+0·6
Central Provinces	63	0	·343	+ ·016	2·9	+1·1
Hyderabad	68	+ 6	·467	+ ·033	4·5	+2·8
Mysore	74	+ 2	·495	+ ·021	4·3	+1·3
Madras	80	+ 1	·647	+ ·019	4·4	+1·7

Rainfall.

14. Rainfall observations are made at about 2,400 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 is based on all the rainfall data available at the time of publication and shows the normal average rainfall and the departure of the rainfall from the normal of the month in the 33 meteorological or rainfall divisions.

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 40 or 50 years ending in 1910.

Owing to the unusual character of the disturbances rainfall was abnormally distributed. It was deficient in Upper Burma as well as in northern India excluding Gujarat, Rajputana and the United Provinces West, and was above the normal in nearly all other places. Of positive percentage departures the most marked occurred in Berar (+287), Central Provinces East (+237), Gujarat (+425), Bombay Deccan (+233), Hyderabad (+464), Mysore (+264) and Madras Coast North (+383), while the deficiency was most emphatic in the North-West Frontier Province (1¼″ or 99 per cent.), Kashmir (2¼″ or 60 per cent.), and Baluchistan (·8″ or 67 per cent.)

TABLE 15.

Sub-division.	Number of rainy days.		Rainfall.			
	Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
			"	"	"	
1. Bay Islands	1·5	1·1	0·89	0·65	+0·24	+ 37
2. Lower Burma	0·5	0·2	0·21	0·09	+0·12	+133
3. Upper Burma	0	0·3	0·01	0·11	—0·10	— 91
4. Assam	1·1	1·9	0·34	0·77	—0·43	— 56
5. Bengal	0·6	0·9	0·17	0·44	—0·27	— 61
6. Orissa	1·3	0·9	0·54	0·51	+0·03	+ 6
7. Chota Nagpur	1·1	1·8	0·39	0·92	—0·53	— 58
8. Bihar	1·0	1·2	0·31	0·59	—0·28	— 47
9. United Provinces, East	1·5	1·4	0·46	0·68	—0·22	— 32
10. Do., West	2·1	1·9	1·03	0·92	+0·11	+ 12
11. Punjab, East and North	1·9	2·2	0·93	1·23	—0·30	— 24
12. Do., South-west	0·1	1·2	0·08	0·49	—0·41	— 84
13. Kashmir	2·2	5·0	1·51	3·76	—2·25	— 60
14. North-West Frontier Province	0	2·6	0·02	1·50	—1·48	— 99
15. Baluchistan	0·9	2·7	0·42	1·26	—0·84	— 67
16. Sind	0	0·7	0	0·27	—0·27	—100
17. Rajputana, West	0·7	0·4	0·30	0·14	+0·16	+114
18. Do., East	1·6	0·9	0·68	0·35	+0·33	+ 94
19. Gujarat	0·5	0·1	0·21	0·04	+0·17	+425
20. Central India, West	1·3	0·7	0·47	0·30	+0·17	+ 57
21. Do., East	1·3	1·1	0·60	0·51	+0·09	+ 18
22. Berar	1·1	0·6	1·20	0·31	+0·89	+287
23. Central Provinces, West	1·0	1·0	0·45	0·48	—0·03	— 6
24. Do., East	2·3	0·8	1·18	0·35	+0·83	+237
25. Konkan	0	0·2	0·01	0·10	—0·09	— 90
26. Bombay Deccan	0·6	0·3	0·40	0·12	+0·28	+233
27. Hyderabad, North	1·1	0·3	1·03	0·12	+0·91	+758
28. Do., South	0·9	0·3	0·59	0·15	+0·44	+293
29. Mysore	0·8	0·2	0·40	0·11	+0·29	+264
30. Malabar	0·5	0·5	0·26	0·39	—0·13	— 33
31. Madras, South-east	2·2	1·2	1·52	0·89	+0·63	+ 71
32. Do., Deccan	1·9	0·6	1·09	0·48	+0·61	+127
33. Do., Coast, North	2·4	0·4	1·69	0·35	+1·34	+383

TABLE 16.

Division.	Rainfall.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Burma	0·09	0·10	−0·01	− 10
Assam	0·34	0·77	—0·43	— 56
Bengal	0·17	0·44	−0·27	− 61
Bihar and Orissa	0·39	0·65	−0·26	− 40
United Provinces	0·77	0·81	—0·04	— 5
Punjab	0·72	1·05	—0·33	— 31
North-West Frontier Province	0·02	1·50	—1·48	− 99
Sind	0	0·27	—0·27	—100
Rajputana	0·55	0·29	+0·26	+ 90
Bombay	0·27	0·09	+0·18	+200
Central India	0·53	0·40	+0·13	+ 33
Central Provinces	0·95	0·38	+0·57	+150
Hyderabad	0·79	0·14	+0·65	+464
Mysore	0·40	0·11	+0·29	+264
Madras	1·37	0·60	+0·77	+128
Mean of India	0·56	0·46	+0·10	+ 22

Snowfall.

I.—AFGHANISTAN.

15. No snowfall occurred in Kabul proper, but about 3 inches fell on the neighbouring hills. The estimated accumulation on the higher peaks at the end of the month was about 6 inches in depth.

II.—NORTH-WEST FRONTIER PROVINCE.

(*a*) *Wano.*—No snow fell on the Wano hills.

(*b*) *Dera Ismail Khan.*—No snow fell.

(*c*) *Kurram.*—There were altogether six falls on the Sufed Koh, *viz.*, on the 1st, 11th, 16th, 24th, 30th and 31st. The unmelted residue on the Agam pass was about 4½ feet and on the Paiwar Kotal about 1½ feet in depth.

(*d*) *Kohat.*—No snow storm occurred.

(*e*) *Hazara.*—The following statement shows the character of snowfall in this district :—

TABLE 17.

Locality.	Total depth of snowfall during the month.		Number of days on which snow fell.	Reported depth of accumulation existing on the 15th February.	
	ft.	in.		ft.	in.
Narang	4	8	2	10	3
Paluderan	3	8	2	8	5
Kagan	2	0	2	5	6
Jared	0	6	2	1	6
Malkandi	0	3	2	1	0
Sundigali	2	0	2	6	1
Jachha	1	6	2	5	4
Dungagali	1	3	2	4	5
Tandiani	1	9	2	6	7

III.—KASHMIR.

(*a*) *Srinagar.*—There were a few light snowfalls during the month.

(*b*) *Dras.*—Snow fell on seven days to a total depth of 1½ feet. The Zojila was impassable for ponies. At the close of the month the unmelted residue of the accumulations was estimated at about 3 feet at Dras itself and 4½ feet on the surrounding hills.

(*c*) *Kargil.*—Snow fell in all on five days to a depth of about 9 inches. At the end of the month the unmelted residue of snow on the higher peaks was estimated at about 9 feet.

IV.—PUNJAB.

(*a*) *Murree.*—A fall of 2 inches was recorded at Murree on the 1st. No snow fell at Kahuta.

(*b*) *Dalhousi.*—Snow fell on the 7th, 17th, 18th, 24th and 25th down to a level of 6,000 feet. The total snowfall of the month measured 4¼ feet on the Kalatop and 1½ feet on the Kainthli. At the close of the month about 2½ feet of snow still remained unmelted on the Kalatop and 1 foot on the Kainthli.

(*c*) *Chamba.*—About three feet of snow fell on the Langera, 6 inches on the Bhandal, 3 inches on the Tisa, 1 foot 2 inches on the Khangu and 9 inches on the Chatri. At the end of the month the residue of unmelted snow was said to be about half a foot in depth on the Khangu and Chatri ranges.

(*d*) *Kilba* (*Simla Hills*).—Snow storms occurred on the hills near Kilba on 5 days, *viz.*, on the 1st, 4th, 7th, 24th and 25th. The lowest level reached was 6,500 feet where 4 inches were measured on the 7th. The accumulations existing at the end of the month on the Harang, Rupin, Brua and Shatul passes varied between 9 and 12 feet in depth.

V.—UNITED PROVINCES.

(*a*) *Garhwal.*—Snow fell on the higher hills to the north of this district on the 7th, 8th, 9th, 24th and 25th. Weather was dry.

(*b*) *Almora.*—The total snowfall of the month was estimated at 11 feet in Byans, 8 feet in Malla Johar, 6½ feet in Malla Darma and 4½ feet in Chaudas. The snow line descended from the perpetual snows to a distance of 3 miles in Chaudas, 1¼ miles in Byans and 5 miles in Malla Darma.

TABLE 18.

Name of pass.		Depth of accumulation at the end of the month.	
		Reported.	Normal.
		Feet.	Feet.
Binkaru	Pass	6	27½
Lipulekh	"	23	17½
Lampia	"	29	7½
Nuwe	"	10	31

SUMMARY.

16. On the whole the snowfall of the month on the mountain zone bordering upper India was distinctly below the average.

HEM RAJ.

Table A.—Abstract of observations taken at 10 hrs. and 16 hrs. at 14 stations in India, etc., in January, 1915.

Table

Abstract of observations taken at 10 hrs. and 16 hrs. at 14

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.	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
	III.—Bengal.																					
5	Calcutta	21	30·127	30·011	·126	30·064	+·046	30·032	78·5	57·3	21·2	85·8	49·3	36·5	69·8	77·1	66·9	+1·7	54·9	61·2	63·4	59·8
	VI.—Punjab.																					
11	Lahore	702	29·458	29·364	·094	29·402	+·076	30·112	69·7	42·4	27·3	74·6	37·0	37·6	56·8	67·8	54·1	+1·1	41·2	51·4	56·2	49·6
	IX.—Rajputana.																					
18	Jaipur	1,421	28·694	28·592	·102	28·634	+·050	30·064	73·7	48·3	25·4	78·5	39·1	39·4	64·8	71·7	59·6	−0·3	44·6	53·8	56·9	51·8
	X.—Bombay.																					
25	Bombay	37	30·043	29·933	·110	29·981	+·026	29·958	83·4	68·5	14·9	87·2	62·3	24·9	75·2	78·9	75·1	+0·6	60·7	66·3	69·9	65·6
	XIV.—Mysore.																					
29	Bangalore	3,021	27·076	26·967	·109	27·019	+·033	29·886	82·4	60·0	22·4	87·7	51·6	36·1	72·9	79·8	70·2	+2·7	58·2	63·5	63·9	61·9
	XV.—Madras.																					
31	Pudukkottai	318	29·750	29·610	·140	29·680		29·931	86·0	69·5	16·5	88·6	65·0	23·6	78·7	84·4	77·8			72·3	73·5	
	Madras	22	30·072	29·974	·098	30·020	+·024	29·974	84·1	69·9	14·2	86·7	65·9	20·8	79·2	80·8	76·2	+0·9	68·8	73·7	73·3	72·0
	Hill stations, excluding Kashmir and Baluchistan.																					
	Sarain		23·243	23·182	·061	23·201		23·162	45·9	28·5	17·4	51·2	23·0	28·2	35·3	39·4	36·5			32·1	36·0	
	Kalabagh																					
	Mukteswar	7,592							52·3	38·1	14·2	62·0	20·2	31·8	46·2	47·8	44·5		31·2	36·4	39·4	35·7
	Katmandu	4,388	25·837	25·729	·108	25·777	+·090†	25·731	67·1	35·9	31·2	71·5	30·8	40·7	50·3	62·3	50·8	+1·2†	34·2	45·9	51·3	43·8
	Kodaikanal	7,688	22·907	22·847	·060	22·877		22·812	66·0	48·9	17·1	73·7	42·3	31·4	61·1	58·6	57·5		41·4	50·4	53·0	48·3
	Dodabetta	8,539†	22·128	22·077	·051	22·103		22·040	56·9	46·0	10·9	61·0	41·9	19·1	54·4	53·6	51·4		36·5	46·4	47·6	43·5
	Extra India.																					
	Diego Garcia																					
	Seychelles	15	30·013	29·918	·095	29·976	+·051†	29·914	83·9	77·6	6·3	87·3	75·0	12·3	81·4	82·6	79·5	+1·0†	72·3	77·0	77·3	75·5
	Mauritius	181				29·849	+·094	29·974									79·0	+ 0·5				72·0

N.B.—Elevations in italics indicate barometric 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.

† Departure from old normal.

A.

stations in India, etc., in January, 1915.

Vapour tension, in inches of mercury.					Humidity.					Cloud.				Wind direction.										Wind steadiness.		Wind velocity		Rainfall.		Station.	Number of sub-division.
														Total number of 10 hrs. and 16 hrs. winds from																	
From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean 10 hrs.	Mean 16 hrs.	Mean of two previous columns.	Departure from normal.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Mean wind direction.	Normal mean wind direction of month.	Average percentage.	Normal percentage.	Mean velocity in miles per diem.	Normal.	Total rainfall for the month.	Heaviest rainfall during the month.		
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
																															III.—Bengal.	
·403	·428	·405	·429	—·002	85	59	44	65	— 5	3·2	4·2	3·7	+2·2	1	13	5	2	2	1	4	6	28	N 34° W	N 30° W	61	44	52	45	0·41	0·20	Calcutta	5
																															VI.—Punjab.	
·246	·309	·300	·289	+·020	90	67	45	70	0	2·8	2·7	2·7	—1·0	34	1	0	5	0	1	0	7	14	N 50° W	N 20° W	24	21	14	30	0·28	0·25	Lahore	11
																															IX.—Rajputana.	
·257	·284	·280	·280	+·012	75	46	36	56	0	3·6	4·3	3·9	+0·6	7	8	15	12	6	2	3	2	7	N 49° E	N	37	18	65	58	0·41	0·29	Jaipur	18
																															X.—Bombay.	
·431	·529	·611	·542	—·049	61	60	62	65	— 7	1·5	1·7	1·6	+0·5	0	7	12	10	1	1	0	4	27	N 7° W	N 6° E	53	58	157	174	0	0	Bombay	25
																															XIV.—Mysore.	
·465	·479	·414	·457	+·049	90	59	42	66	+ 4	4·0	3·7	3·9		0	0	9	39	11	2	0	0	1	S 87° E	N 88° E	85	78	166	92	0·56	0·36	Bangalore	29
																															XV.—Madras.	
	·711	·682				72	58			5·2	4·2	4·7		4	2	52	3	0	0	0	0	0	N 45° E		90		147		1·22	0·48	Pudukkottai	31
·691	·749	·720	·738	+·053	94	74	69	82	+ 3	5·5	4·9	5·2	+1·1	1	14	27	18	1	0	0	0	1	N 48° E	N 51° E	63	76	106	100	9·61	8·38	Madras	
																															Hill stations, excluding Kashmir and Baluchistan.	
	·150	·177				74	74			3·5	4·4	3·9																	7·59	2·10	Sarain.	
																															Kalabagh.	
·109	·115	·156	·135		50	49	49	50		4·1	5·6	4·9		13	1	3	10	13	3	4	14	1	S 15° E		19		129		0·73	0·21	Mukteswar.	
·178	·261	·254	·239	—·014	84	71	46	71	— 6	5·0	3·5	4·3	+0·9	0	0	0	23	0	0	0	39	0	W	N 78° W	26	46	17	15	0·28	0·28	Katmandu.	
·189	·259	·337	·262		54	50	67	57		4·2	5·5	4·9		1	6	10	14	17	1	0	1	12	N 70° E		40		200		1·79	0·47	Kodaikanal.	
·128	·234	·269	·210		40	57	66	54		6·2	7·6	6·9		0	3	15	10	27	7	0	0	0	S 73° E		67		190		1·27	0·49	Dodabetta.	
																															Extra India.	
																															Diego Garcia.	
·726	·870	·870	·840	+·007	77	81	78	82	— 2	6·5	7·0	6·7	—0·3†	10	10	2	1	4	0	0	5	30	N 36° W	N 39° W	58	61	91	107	10·76	2·48	Seychelles.	
			·667	—·071				68	— 8			5·8	—0·2										N 86° E	S 86° E			177	169	1·03		Mauritius	

† Departure from old normal.

Table B.—Abstract of observations taken at 8 hrs. at 215 stations in India, etc., in January, 1915.

(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 2,300 stations.

Division.	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	+·054	83·0	−0·8	61·5	+2·0	72·3	+0·6	21·5	31·8	−0·2	+12	87	+ 3	·568	+·037	3·6	+1·8	0·09	0·10	−0·01
Assam	+·062	76·2	+2·2	53·3	+2·3	64·7	+2·5	22·9	34·5	−0·2	+ 9	94	0	·442	+·041	5·3	+1·3	0·34	0·77	−0·43
Bengal	+·058	78·1	+1·2	55·6	+1·3	66·9	+1·3	22·5	35·6	−0·6	− 2	84	− 2	·436	0	2·9	+1·2	0·17	0·44	−0·27
Bihar and Orissa	+·063	78·1	+0·7	53·4	+0·8	65·8	+0·7	24·7	39·0	−0·2	− 1	76	− 3	·330	−·004	3·0	+1·1	0·39	0·65	−0·26
United Provinces of Agra and Oudh	+·070	73·2	+0·6	48·0	+0·6	60·6	+0·6	25·3	39·0	−0·5	− 9	82	+ 2	·333	+·021	2·6	+0·2	0·77	0·81	−0·04
Punjab	+·073	68·8	+1·3	41·9	−0·2	55·3	+0·6	26·9	37·9	−0·2	+ 6	83	+ 6	·263	+·014	2·6	−1·1	0·72	1·05	−0·33
North-West Frontier Province	+·047	67·5	+1·7	38·1	−1·8	52·7	−0·1	29·3	41·6	−0·7	− 9	81	+ 9	·209	+·003	1·9	−2·0	0·02	1·50	−1·48
Sind	+·062	76·4	+1·4	50·5	−0·2	63·4	+0·6	25·8	39·2	−1·3	+7	69	+ 7	·287	+·045	1·3	−1·5	0	0·27	−0·27
Rajputana	+·055	73·4	−0·7	48·2	+0·9	60·8	+0·1	25·2	40·2	+0·1	+ 3	59	0	·237	+·003	2·9	+0·3	0·55	0·29	+0·26
Bombay	+·038	83·2	−0·6	58·4	+0·5	70·8	0	24·8	37·5	−0·5	0	61	+ 1	·385	+·007	2·3	+0·8	0·27	0·09	+0·18
Central India	+·049	76·5	+0·1	49·5	+1·2	62·9	+0·6	26·9	45·8	−0·5	+ 1	64	− 2	·293	+·003	2·8	+0·6	0·53	0·40	+0·13
Central Provinces	+·053	80·7	−0·5	55·1	+1·6	67·9	+0·8	25·6	40·5	+0·1	+ 1	63	0	·343	+·016	2·9	+1·1	0·95	0·38	+0·57
Hyderabad	+·045	83·3	−2·4	61·9	+2·2	72·6	−0·1	21·4	31·7	−0·8	+30	68	+ 6	·467	+·033	4·5	+2·3	0·80	0·14	+0·66
Mysore	+·034	83·8	+0·9	61·4	+2·1	72·6	+1·5	22·4	33·7	+0·4	+ 2	74	+ 2	·495	+·021	4·3	+1·3	0·40	0·11	+0·29
Madras	+·035	81·7	−6·6	68·4	+1·4	76·5	+0·4	16·3	25·3	+0·6	+ 8	80	+ 1	·647	+·019	4·4	+1·8	1·37	0·60	+0·77

Table

(2) Abstract of observations taken at 8 hrs. at 215

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 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	147	29·871		29·949	29·972	17th	29·810	29th	·162	78·5	88·2		74·6		81·4		13·6	92·0	30th	71·2	19th	20·8
	Mergui	65	29·984	+·046	29·980	30·096	17th	29·916	29th	·180	75·5	87·9	−0·3	66·8	−1·2	77·4	−0·7	21·1	91·9	14th	61·6	25th	30·3
	Tavoy	19	30·036	+·036	29·987	30·166	17th	29·967	29th	·199	72·7	89·2	−0·6	67·8	+2·6	78·5	+1·0	21·4	93·2	15th	62·2	4th	31·0
	Moulmein	94	29·970	+·040	30·004	30·082	17th	29·894	29th	·188	71·0	89·9	+1·0	67·4	+1·9	78·7	+1·5	22·5	94·5	15th	62·8	6th	31·7
	Rangoon	18	30·059	+·055	30·015	30·173	17th	29·981	29th	·192	70·0	87·4	−1·6	67·5	+2·8	77·4	+0·6	19·9	92·7	30th	63·0	8th	29·7
	Bassein	27	30·050	+·046	30·014	30·148	18th	29·976	29th	·172	69·8	85·9	+0·1	66·2	+3·7	76·0	+1·9	19·7	90·4	30th	60·9	8th	29·5
	Diamond Island	41	30·016	+·034	29·993	30·116	18th	29·930	29th	·186	76·5	84·1	+0·4	73·8	+2·2	72·0	+1·3	10·3	87·8	23rd	71·8	6th, 7th 8th.	16·0
	Toungoo	164	29·917	+·053	30·030	30·028	17th	29·831	29th	·195	63·9	83·1	−1·7	59·2	+1·7	71·2	0	23·9	88·4	30th	52·1	8th	36·3
	Kyaukpyu	18	30·059		30·017	30·140	17th	29·960	29th	·180	70·5	80·0		63·1		71·5		16·9	83·7	18th	58·6	3rd	25·1
	Akyab	20	30·071	+·050	30·032	30·153	18th	29·972	29th	·181	65·9	80·3	−0·8	61·3	+1·9	70·8	+0·5	19·0	84·8	30th	57·0	3rd	27·8
3	Thayetmyo	121	29·986	+·064	30·054	30·097	17th	29·807	30th	·190	64·1	84·3	−1·6	57·6	+4·0	70·9	+1·2	26·7	91·2	31st	51·4	3rd	39·8
	Minbu	*165*	29·941	+·053	30·056	30·063	17th	29·846	30th	·217	65·2	82·6	−2·0	57·9	+0·5	70·2	−0·7	24·7	89·3	31st	53·0	5th	36·3
	Yamethin	657	29·435	+·071	30·072	29·550	18th	29·340	29th	·210	61·9	82·9	−3·1	57·5	+1·9	70·2	−0·6	25·4	91·3	31st	52·8	7th, 3rd	38·5
	Mandalay	250	29·869	+·078	30·079	29·995	17th	29·772	29th	·223	62·3	83·5	−0·7	57·7	+1·3	70·6	+0·3	25·8	90·7	31st	54·1	9th	36·6
	Monywa	*280*	29·835	+·050	30·077	29·949	17th	29·735	30th	·214	61·9	81·3	−0·4	59·0	+2·5	70·2	+1·1	22·3	87·8	31st	55·4	11th	32·4
	Lashio	*3,890*	27·256	+·044	27·202	27·371	17th	27·185	9th	·186	52·0	72·4	−1·2	48·1	+2·5	60·7	+0·7	25·3	78·9	31st	42·0	12th	36·9
	Bhamo	*361*	29·757	+·085	30·095	29·895	17th	29·661	30th	·231	54·3	75·5	−0·4	50·7	+2·0	63·1	+0·8	24·8	83·4	31st	43·4	14th	40·0
	Myitkyina	458	29·649	+·059	30·096	29·783	17th	29·555	30th	·228	53·8	74·8	+0·4	51·1	+1·6	62·9	+1·0	23·7	79·4	30th & 31st.	45·0	th & 15th.	34·4
	II.—Assam.																						
	Dibrugarh	352	29·769	+·0397	30·108	29·803	17th	29·567	29th	·236	54·3	73·3	+2·7	51·8	+2·5	62·6	+2·6	21·5	78·4	21th	43·5	15th	34·9
	Sibsagar	333	29·819	+·059	30·121	29·972	17th	29·704	9th	·268	55·4	71·9	+1·9	51·0	+1·5	61·4	+1·6	20·9	76·6	25th	43·1	16th	33·5
	Tezpur	252	29·890	+·065	30·116	30·012	17th	29·790	9th	·222	57·0	76·3	+2·3	54·5	+2·8	65·4	+3·1	21·8	79·8	25th	48·8	14th	31·
	Gauhati	196	29·960	+·065	30·123	30·070	17th	29·861	29th	·209	58·1	76·3	+2·2	53·5	+3·8	64·9	+3·0	22·8	80·7	25th	47·3	14th	33·4
	Dhubri	115	30·021	+·064	30·097	30·168	17th	29·906	29th	·253	59·3	75·7	+2·0	56·1	+3·6	65·9	+2·8	19·6	80·5	28th	51·4	14th	29·1
	Silchar	104	30·034	+·057	30·096	30·177	17th	29·938	29th	·239	60·3	78·7	+1·0	55·2	+2·9	67·0	+1·9	23·5	86·9	13th	49·2	8th	37·7
	Srimangal	66	30·070		30·090	30·169	18th	29·981	28th	·188	55·1	81·1	+1·2	50·9	+2·2	66·0	+1·7	30·2	85·7	29th	43·5	14th	42·2
	III.—Bengal.																						
5	Cox's Bazar	36	30·049		30·031	30·150	17th	29·956	29th	·194	61·9	79·2		58·9		69·1		20·3	86·7	30th	53·3	3rd	33·4
	Chittagong	87	30·017	+·047	30·054	30·114	17th	29·924	29th	·190	61·3	78·0	−0·3	57·2	+1·9	67·6	+0·8	20·8	83·3	29th	52·1	5th	31·2
	Noakhali	43	30·081	+·066	30·073	30·180	18th	29·990	29th	·190	61·7	79·0	+1·3	56·0	+3·2	67·5	+2·3	23·0	84·3	29th	48·8	4th & 5th	36·0
	Barisal	12	30·102	+·053	30·061	30·205	17th	30·011	29th	·194	60·9	77·9	+0·3	56·0	+1·0	67·0	+0·7	21·9	84·2	28th	47·6	4th	36·6
	Narayanganj	26	30·093	+·053	30·069	30·206	17th	29·999	28th & 29th.	·207	60·4	77·7	+0·1	56·6	+1·3	67·1	+0·7	21·1	82·3	28th	51·2	4th	31·1
	Mymensingh	63	30·063	+·059	30·080	30·190	17th	29·967	29th	·223	59·2	78·3	+3·2	56·8	+3·8	67·5	+3·5	21·5	83·0	28th	52·1	11th	30·9
	Bogra	75	30·059	+·060	30·089	30·188	17th	29·954	9th	·234	57·1	77·9	+2·2	54·3	+2·4	66·1	+2·3	23·6	85·4	28th	48·0	4th	37·4
	Dinajpur	123	29·992	+·048	30·077	30·101	17th	29·895	9th	·206	56·5	78·4	+3·1	51·1	+2·2	64·7	+2·7	27·3	84·8	28th	42·8	6th	42·0
	Jalpaiguri	283	29·841	+·061	30·099	29·977	17th	29·728	29th	·249	57·2	76·1	+3·5	51·1	+0·2	63·6	+1·9	25·0	79·5	31st	44·0	10th	35·5

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

B.

stations in India, etc., in January, 1915.

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. 1914 to 31st January 1915.	Normal rainfall for period, 1st Dec. to 31st January.	Departure from normal of period, 1st Dec. 1914 to 31st January 1915.	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.
7	5	13	4	1	1	0	0	0	N 43° E		5·7			59		77		·745		4·5		2			0·33			5·83			0·22	Victoria Point.
24	0	0	1	0	0	0	0	0	E†	S 4° W	1·7‡	1·5	+0·2	4	−7	83	+1	·734	+·013	1·5	−1·3	3	1·6	+1·4	2·63	1·02	+1·61	3·57	1·39	+2·18	1·88	Mergui.
17	4	7	1	1	0	0	1	0	N 34° E	N 9° W	1·5	0·9	+0·6	33	+26	88	−1	·707	+·044	1·2	+0·3	1	0·4	+0·6	1·45	0·15	+1·30	2·73	0·36	+2·37	1·42	Tavoy.
2	0	14	14	0	1	0	0	0	N 70° E	N 48° E	2·0	1·8	+0·2	82	+21	83	+3	·671	+·057	2·2	+0·5	0	0·2	−0·2	0	0·25	−0·25	1·75	0·32	+1·43	0	Moulmein.
1	10	16	2	0	0	0	1	1	N 28° E	N 29° E	2·9	2·8	+0·1	82	+50	84	+2	·621	+·046	3·8	+2·0	1	0·2	+0·8	0·20	0·09	+0·11	4·30	0·24	+4·06	0·20	Rangoon.
26	0	5	0	0	0	0	0	0	N 45° E	N 2° W	3·3	2·6	+0·7	13	−19	92	+4	·672	+·088	3·8	+2·4	0	0·1	−0·1	0·01	0·10	−0·09	1·98	0·39	+1·59	0·01	Bassein.
3	11	14	0	0	0	0	0	3	N 19° E	N 14° E	5·4	5·8	−0·4	82	+1	76	+3	·700	+·038	4·2	+2·0	0	0·2	−0·2	0	0·18	−0·18	0·83	0·93	−0·10	0	Diamond Island.
1	15	10	0	0	0	0	0	5	N 8° E	N 9° W	1·9	1·2	+0·7	82	+17	90	+2	·538	+·022	2·3	+0·9	0	0·3	−0·3	0·05	0·13	−0·08	3·74	0·37	+3·37	0·01	Toungoo.
8	4	13	1	0	0	0	0	5	N 22° E		2·9			62		89		·681		2·0		0			0			0·71			0	Kyaukpyu.
5	11	13	1	0	0	0	0	1	N 24° E	N 21° E	2·2	2·0	+0·2	76	−11	86	−3	·552	+·042	2·6	+1·5	0	0·2	−0·2	0	0·07	−0·07	2·55	0·80	+1·75	0	Akyab.
18	5	6	1	0	0	0	0	1	N 25° E	N 11° E	?	2·0		37	+1	83	+7	·497	+·057	3·4	+2·4	0	0·1	−0·1	0	0·03	−0·03	0·55	0·23	+0·32	0	Thayetmyo.
0	1	1	0	0	0	0	0	29	N 42° W	N 52° W	3·0	4·2	−1·2	96	+48	78	+3	·480	+·040	3·5	+2·2	0	0·1	−0·1	0	0·03	−0·03	1·31	0·49	+0·82	0	Minbu.
24	4	0	0	0	0	0	0	3	N 19° W	N 11° W	1·0	1·8	−0·8	20	−6	85	+5	·471	+·026	0·9	−0·3	0	0·2	−0·2	0	0·09	−0·09	0·72	0·44	+0·28	0	Yamethin.
14	5	4	1	1	0	0	0	6	N 2° E	N 13° E	1·7	1·5	+0·2	36	+23	91	+8	·509	+·047	3·3	+2·0	0	0	0	0	0·04	−0·04	1·44	0·37	+1·07	0	Mandalay.
5	12	3	0	0	0	0	0	11	N 15° W		1·7			76		91	+5	·500	+0·39	6·3	+4·6	0	0	0	0	0	0	1·99	0·37	+1·62	0	Monywa.
27	0	1	0	0	0	0	2	1	N 56° W		1·5			7		93	+2	·360	+·017	4·0	+0·6	0	0·5	−0·5	0	0·24	−0·24	3·82	1·00	+2·82	0	Lashio.
19	2	9	0	0	0	1	0	0	N 37° E	N 18° W	1·0	1·9	−0·9	33	+17	98	+3	·415	+·030	8·1	+5·6	0	1·3	−1·3	0·04	0·61	−0·57	3·11	1·17	+1·94	0·04	Bhamo.
30	0	0	0	0	0	0	0	1	N 45° W		0·6			3		91	+4	·293	−·014	6·7	+3·3	0	1·4	−1·4	0·02	0·48	−0·46	1·13	0·99	+0·14	0·02	Myitkyina.
																																II.—Assam.
29	1	1	0	0	0	0	0	0	N 24° E		0·1			7		97	+1	·415	+·039	6·2	+1·5	2	3·9	−1·9	0·60	1·76	−1·16	0·75	2·12	−1·37	0·30	Dibrugarh.
29	0	1	0	0	1	0	0	0	S 67° E	N 82° E	0	1·3	−1·3	2	−21	95	−2	·424	+·026	8·9	+1·8	0	3·8	−3·8	0·17	1·33	−1·16	0·17	1·82	−1·65	0·07	Sibsagar.
24	1	6	9	0	1	0	0	0	N 72° E		1·4			46		95	+2	·441	+·053	4·8	+2·0	0	1·7	−1·7	0·08	0·49	−0·41	0·14	0·74	−0·60	0·06	Tezpur.
30	0	0	0	1	0	0	0	0	S 45° E		1·0			3		94	−2	·472	+·073	5·8	−0·9	0	1·4	−1·4	0·01	0·38	−0·37	0·05	0·47	−0·42	0·01	Gauhati.
5	1	11	11	1	0	1	1	0	N 68° E	N 55° E	3·2	2·8	+0·4	62	+23	89	−3	·449	+·037	7·0	+5·1	0	0·9	−0·9	0·04	0·36	−0·32	0·06	0·41	−0·35	0·02	Dhubri.
20	0	5	5	1	0	0	0	0	N 73° E	S 72° E	0·9	1·2	−0·3	30	+24	90	−1	·473	+·044	1·0	−1·7	3	1·8	+1·2	0·65	0·83	−0·18	2·06	1·26	+0·80	0·30	Silchar.
																96	+5	·418	+·012	3·6		2	1·6	+0·4	0·80	0·65	+0·15	1·94	1·00	+0·94	0·49	Srimangal.
																																III.—Bengal.
22	3	5	1	0	0	0	0	0	N 35° E		1·2			30		92		·511		3·5		0			0			5·93			0	Cox's Bazar.
23	0	6	2	0	0	0	0	0	N 56° E	N 28° E	1·0	2·3	−1·3	27	−28	90	+2	·488	+·026	2·7	+1·2	0	0·5	−0·5	0	0·34	−0·34	4·06	1·13	+2·93	0	Chittagong.
16	8	7	0	0	0	0	0	0	N 21° E		0·9			45		85	−4	·468	+·008	3·7	+2·2	0	0·8	−0·8	0·07	0·35	−0·28	1·36	0·66	+0·70	0·03	Noakhali.
21	8	1	0	0	0	0	0	1	N	N 4° E	0·6	1·2	−0·6	30	+19	83	−4	·447	−·031	2·2	+0·9	0	0·9	−0·9	0·09	0·55	−0·46	1·24	1·02	+0·22	0·04	Barisal.
19	3	0	0	0	1	0	0	8	N 37° W	N 10° W	0·8	1·7	−0·9	33	−6	82	−6	·433	−·017	2·5	+0·3	2	0·9	+1·1	0·41	0·34	+0·07	1·24	0·51	+0·73	0·20	Narayanganj.
26	0	0	2	0	0	0	0	3	N 3° W	N 54° E	0·5	0·9	−0·4	7	−22	89	−1	·449	+·027	3·0	+1·6	0	1·1	−1·1	0·11	0·42	−0·31	0·56	0·49	+0·07	0·06	Mymensingh.
24	3	0	0	0	0	0	1	3	N 31° W	N 18° W	0·9	1·2	−0·3	20	−14	87	+3	·408	+·016	4·7	+3·5	0	1·2	−1·2	0·09	0·47	−0·38	0·13	0·50	−0·37	0·06	Bogra.
21	2	0	0	0	0	3	3	2	N 79° W	N 61° W	1·0	1·7	−0·7	23	−13	86	−2	·398	+·021	2·3	+0·5	0	1·0	−1·0	0·04	0·39	−0·35	0·06	0·42	−0·36	0·02	Dinajpur.
31	0	0	0	0	0	0	0	0	Calm	N 18° E	0·6			(a)		91	0	·428	+·033	0·5	−1·2	0	0·8	−0·8	0	0·34	−0·34	0	0·42	−0·42	0	Jalpaiguri.

(a) Indeterminate.

‡ Mean of 25 days.
† 6 winds less

Table

(2) Abstract of observations taken at 8 hrs. at 215 stations

Number of sub-division.	Station.	Elevation of bar cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	III.—Bengal— *concld.*																						
5	Saugor Island	10	30·120	+·058	30·076	30·231	18th	30·021	29th	·210	62·6	76·9	0	57·2	−2·0	67·0	−1·0	19·7	82·7	29th	51·5	5th	31·2
	Midnapore	149	29·880§	+·055	30·086§	30·050	11th	29·858	8th	·192	62·7	80·1	−0·7	57·1	+1·2	68·6	+0·3	23·0	88·4	27th	49·1	2nd	39·3
	Calcutta	21	30·115	+·057	30·083	30·233	18th	30·011	8th & 29th.	·222	60·0	78·4	+1·1	57·0	+1·5	67·7	+1·3	21·4	85·8	28th	49·3	2nd	36·5
	Jessore	30	30·114	+·070	30·092	30·241	18th	30·017	28th	·224	61·2	76·8	−0·5	54·5	+1·3	65·7	+0·4	22·8	83·9	28th	45·7	4th	38·2
	Burdwan	99	30·043	+·063	30·095	30·159	17th	29·919	8th	·240	59·0	79·9	+1·3	55·2	+0·2	67·5	+0·7	24·7	87·6	28th	48·2	4th	39·4
	Berhampore	67	30·073	+·062	30·094	30·183	17th	29·977	29th	·206	57·8	77·3	+0·5	55·0	+1·5	66·2	+1·1	22·3	84·1	28th	49·2	2nd, 3rd & 4th.	34·9
	IV.—Bihar and Orissa.																						
6	Balasore	50	30·061	+·060	30·088	30·198	18th	29·981	29th	·217	60·6	80·8	+0·1	56·5	+0·3	68·7	+0·2	24·3	87·5	9th	49·8	2nd	37·6
	Hukitala (False Point).	29	30·113	+·067	30·083	30·227	18th	30·018	9th	·209													
	Cuttack	30	30·061	+·065	30·087	30·185	18th	29·967	29th	·218	63·5	80·1	−3·7	59·9	−0·3	70·0	−2·0	20·2	85·6	9th	53·2	12th	32·4
	Puri	24	30·117	+0·65	30·082	30·243	18th	30·026	9th & 29th.	·217	65·5	80·3†	+0·3	63·5†	−0·1	71·9†	+0·1	16·8	88·5	10th	57·5	12th	31·0
	Angul	455	29·672*	+0·77	30·097*	29·789	18th	29·562	28th	·227	62·4	80·9	−1·0	56·3	+0·4	68·6	−0·8	24·6	86·6	9th	49·0	12th & 13th.	37·6
	Sambalpur	486	29·650	+·065	30·115	29·749	18th	29·541	29th	·208	60·8	79·6	−2·4	55·0	−0·3	67·3	−1·3	24·6	85·2	8th	45·7	12th	39·5
7	Chaibasa	738	29·369	+·061	30·100	29·469	18th	29·249	29th	·220	57·4	79·8	−0·1	53·2	+0·7	66·5	+0·3	26·6	85·9	28th	44·7	11th	42·2
	Ranchi	2,128	27·914	+·066	30·092	28·019	17th	27·850	8th	·169	58·1	75·4	+1·6	53·2	+1·8	64·3	+1·7	22·2	82·3	27th	47·8	10th	34·5
	Purulia	816	29·260‡		30·072‡	29·370	18th	29·137	9th	·233	59·2	81·3	+3·8	55·1	+1·2	68·2	+2·5	26·2	88·6	28th	44·2	7th	44·4
	Daltonganj	730	29·375	+·034	30·112	29·459	11th	29·235	28th	·224	52·0	78·5	+3·1	47·9	+1·0	63·2	+2·1	30·6	86·1	9th	36·5	3rd	49·6
8	Purnea	124	30·015	+·062	30·103	30·128	17th	29·902	29th	·226	55·8	78·1	+3·8	49·4	+1·4	63·8	+2·6	28·7	83·5	27th	42·6	11th	40·9
	Monghyr	155	30·009‖		30·126‖	30·105	11th	29·891	27th	·214	58·5	75·6		52·2*		64·0*		23·4	82·5	27th	46·9	4th & 6th.	35·6
	Darbhanga	165	29·977	+·071	30·107	30·082	17th	29·877	28th	·205	57·3	75·9	+3·1	49·6	−1·7	62·7	+0·7	26·3	82·2	27th	44·2	13th	38·0
	Pusa	188	29·940		30·096	30·038	17th	29·842	8th	·196	54·3	76·6		47·6		62·1		29·0	83·9	27th	41·4	12th	42·5
	Patna	183	29·960	+·063	30·110	30·062	17th	29·855	8th	·207	57·8	73·7	+1·0	53·1	+2·4	63·4	+1·7	20·6	79·9	27th	44·2	3rd	35·7
	Buxar	239	29·902	+·064	30·113	30·005	11th	29·767	8th	·238	55·4	76·7	+2·8	51·7	+1·4	64·2	+2·1	25·0	82·5	27th	41·3	3rd	41·2
	Gaya	372	29·775	+·073	30·121	29·859	18th	29·664	8th	·195	59·6	77·2	+1·8	52·6	+1·1	64·9	+1·5	24·6	84·2	27th	43·6	3rd	40·6
	Naya Dumka	489	29·620	+·050	30·090	29·735	18th	29·522	8th	·213	58·6	77·6	+2·2	51·4	+0·2	64·5	+1·2	26·2	84·4	27th & 28th.	44·0	3rd	40·4
	V.—United Provinces of Agra and Oudh.																						
9	Gorakhpur	257	29·867	+·068	30·100	29·974	11th	29·768	8th	·206	53·7	74·4	+1·8	48·4	−0·6	61·4	+0·6	26·0	81·9	27th	41·6	16th	40·3
	Benares	267	29·863	+·076	30·122	29·981	11th	29·753	8th	·228	55·4	75·5	+1·5	48·8	+0·8	62·1	+1·1	26·7	82·0	8th	39·7	3rd	42·3
	Allahabad	309	29·830	+·063	30·118	29·937	11th	29·686	8th	·251	51·1	75·1	+0·9	48·9	+1·0	62·0	+0·9	26·2	82·1	22nd	40·2	1st	41·9
	Cawnpore	416	29·723	+·076	30·128	29·821	11th	29·626	28th	·195	52·2	73·6	+1·1	49·1	+1·2	61·3	+1·1	24·5	78·6	23rd	41·9	12th	36·7
	Lucknow	368	29·771	+·074	30·124	29·870	11th	29·668	8th	·202	54·0	74·9*	+1·5*	50·2	+3·5P	62·7*	+2·5P	24·7	80·1	7th	40·6	11th	39·5
	Bahraich	407	29·708	+·065	30·107	29·819	18th	29·597	8th	·222	51·4	73·9	+1·7	47·5	+0·2	60·7	+0·9	26·4	79·9	27th	40·7	3rd	39·2
10	Jhansi	824	29·305	+·056	30·140	29·387	11th	29·201	7th	·186	55·1	75·9	0	47·3	−4·1	61·4	−2·1P	28·6	83·6	8th	41·6	1st	42·0
	Agra	556	29·589	+·076	30·143	29·680	11th	29·484	7th	·196	55·2	70·9	−1·9	49·1	+0·5	60·0	−0·7	21·6	75·8	24th	43·2	3rd & 10th.	32·6
	Mainpuri	516	29·607	+·063	30·121	29·697	11th	29·501	27th	·136	51·5	72·9	+1·2	47·0	+0·8	59·9	+1·0	25·9	78·0	8th & 23rd	40·2	3rd	37·8
	Bareilly	568	29·547	+·076	30·119	29·639	11th	29·414	8th	·195	51·7	71·4	+1·2	46·8	+0·7	59·1	+0·9	24·6	76·4	24th	41·0	4th & 6th	35·4
	Roorkee	899	29·207	+·083	30·146	29·313	18th	29·109	27th	·204	48·6	67·1	−1·8	44·5	+0·6	55·8	−0·6	22·6	74·7	7th	33·1	3rd	41·6

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

‖ Mean of 26 days.
** " " 18 "

* Mean of 30 days.
† " " 29 "
‡ " " 7 "
§ " " 23 "

B—*continued.*

in India, etc., in January, 1915—*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. 1914 to 31st January, 1915.	Normal rainfall for period, 1st Dec. to 31st January.	Departure from normal of period, 1st Dec. 1914 to 31st January, 1915.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																III.—Bengal—*concld.*
0	14	13	0	1	0	0	0	3	N 17° E	N 13° E	4·5	5·3	−0·7	89	+25	88	− 2	·498	−·030	3·8	+1·5	0	0·9	−0·9	0·18	0·34	−0·16	0·49	0·67	−0·18	0·06	Saugor Island.
9	8	2	1	0	1	0	1	9	N 18° W		1·4¶			52		68	− 3	·390	−·003	2·5	+1·0	1	1·1	−0·1	0·13	0·57	−0·44	2·57	0·82	+1·75	0·13	Midnapore.
5	7	3	3	0	0	2	1	10	N 17° W	N 6° W	2·2	1·9	+0·3	53	+21	81	− 4	·422	−·024	3·6	+1·8	2	0·8	+1·2	0·41	0·41	0	1·61	0·62	+0·99	0·30	Calcutta.
21	5	3	0	0	0	0	2	0	N 1° E	N 14° W	1·3	1·2	+0·1	23	+ 9	77	− 9	·422	−·010	2·2	+0·6	2	0·9	+1·1	0·33	0·43	−0·10	1·94	0·62	+1·32	0·21	Jessore.
20	7	1	0	0	0	0	0	3	N 9° W	N 23° W	0·9	1·2	−0·3	33	+ 7	75	0	·381	−·005	3·7	+1·5	0	0·8	−0·8	0·08	0·41	−0·33	0·79	0·57	+0·22	0·04	Burdwan.
24	1	1	0	0	1	2	1	1	W	N 67° W	0·7	1·2	−0·5	8	−18	83	− 3	·400	−·010	2·9	+0·8	1	1·1	−0·1	0·20	0·42	−0·22	0·50	0·53	−0·03	0·10	Berhampore.
																																IV.—Bihar and Orissa.
11	5	2	0	0	0	1	2	10	N 33° W	N 27° W	1·2	2·0	−0·8	49	− 1	82	+ 1	·438	−·005	3·4	+1·9	2	1·1	+0·9	0·82	0·60	+0·22	1·49	0·86	+0·63	0·47	Balasore.
5	10	1	0	0	0	3	0	12	N 30° W	N 28° W	4·3	4·3	0	66	− 2					4·5	+1·9	0	0·9	−0·9	0·09	0·55	−0·46	0·24	1·32	−1·08	0·05	Hukitala (False Point).
22	0	2	1	0	0	3	3	0	S 75° W	N 8° W	1·0	1·0	0	10	0	77	− 4	·454	−·029	3·8	+1·7	0	0·6	−0·6	0·17	0·25	−0·08	0·48	0·60	−0·12	0·09	Cuttack.
4	15	3	0	0	0	0	0	9	N 10° W		4·7			78		83†	+ 1	·526†	−·031	4·1	+2·6	0	0·7	−0·7	0·11	0·37	−0·26	0·11	0·80	−0·69	0·05	Puri.
7	2	0	0	0	0	1	2	19	N 47° W		2·7			71		74	− 6	·426	−·015	3·5	+1·4	1	1·2	−0·2	1·06	0·71	+0·35	1·33	1·24	+0·09	0·98	Angul.
0	13	14	0	0	0	0	0	5	N 14° E	N 32° E	2·5	1·9	+0·6	86	+12	81	+ 8	·432	+·007	4·2	+2·1	1	0·9	+0·1	0·49	0·38	+0·11	0·51	0·66	−0·15	0·40	Sambalpur.
14	0	0	1	1	1	12	2	0	S 41° W	S 68° W	1·9	0·9	+1·0	46	+ 6	79	− 6	·371	−·012	3·5	+1·8	2	1·5	+0·5	0·24	0·31	−0·57	0·36	1·05	−0·69	0·12	Chaibasa.
7	2	1	0	0	2	1	5	13	N 57° W	N 75° W	3·2	3·8	−0·6	53	+17	62	− 3	·304	−·004	3·9	+1·6	2	1·5	+0·5	0·66	0·78	−0·12	0·94	1·00	−0·06	0·45	Ranchi.
8	1	1	0	0	0	1	10	10	N 65° W		1·5¶			61		67	− 6	·341	−·018	0·8	−1·4	0	2·2	−2·2	0·10	1·05	−0·95	0·14	1·22	−1·08	0·08	Purulia.
20	0	1	4	5	0	1	0	0	S 67° E		1·4			23		88	+ 4	·339	0	2·5	+0·5	2	2·1	−0·1	0·55	0·97	−0·42	0·78	1·21	−0·43	0·21	Daltonganj.
3	2	0	1	0	0	11	8	6	S 85° W	S 74° W	2·5	1·5	+1·0	62	+33	85	− 6	·363	+·027	2·4	+0·8	1	0·8	+0·2	0·13	0·45	−0·32	0·13	0·55	−0·42	0·12	Purnea.
16	0	0	1	0	0	7	6	1	S 70° W		2·3**			39		60‖		·283‖		1·2		1			0·16			0·16			0·15	Monghyr.
18	0	0	2	1	0	2	7	0	S 66° W	S 84° W	1·2	1·9	−0·7	23	− 8	82	− 6	·387	+·009	3·1	+1·3	0	1·2	−1·2	0·03	0·55	−0·52	0·03	0·61	−0·58	0·03	Darbhanga.
12	0	0	1	0	5	4	8	1	S 58° W		1·9			42		87		·370		2·5		1			0·13			0·16			0·13	Pusa.
27	0	0	0	0	0	1	3	0	S 79° W	S 70° W	0·8	1·8	−1·0	13	−35	74	− 4	·374	+·013	2·4	+0·3	2	1·2	+0·8	0·29	0·61	−0·32	0·29	0·70	−0·41	0·16	Patna.
5	0	0	1	1	8	10	6	0	S 34° W		2·5			61		76	+ 2	·342	+·004	3·2	+0·8	1	1·4	−0·4	0·72	0·72	0	0·79	0·93	−0·14	0·64	Buxar.
30	0	0	0	0	0	1	0	0	S 45° W	S 16° W	1·2	2·2	−1·0	3	−29	65	−10	·337	−·012	1·2	−1·1	1	1·4	−0·4	0·55	0·72	−0·17	0·55	0·86	−0·31	0·46	Gaya.
15	3	1	0	0	0	1	2	9	N 42° W		1·3			40		72	− 3	·361	+·009	3·0	+1·3	1	1·2	−0·2	0·11	0·58	−0·47	0·24	0·66	−0·42	0·11	Naya Dumka.
																																V.—United Provinces of Agra and Oudh.
14	0	1	1	0	0	4	11	0	S 81° W	N 84° W	1·2	1·2	0	40	+ 4	83	+ 1	·347	0	1·4	−0·6	1	1·5	−0·5	0·27	0·76	−0·49	0·27	0·91	−0·64	0·24	Gorakhpur.
18	3	0	0	2	1	2	3	2	N 82° W	S 49° W	1·4	2·1	−0·7	13	−23	82	− 1	·366	+·020	2·5	+0·3	2	1·6	+0·4	1·15	0·72	+0·43	1·21	0·97	+0·24	0·80	Benares.
22	1	0	1	0	0	2	4	1	N 87° W	N 74° W	1·1	2·8	−1·7	16	−10	76	− 3	·328	−·002	3·9	+1·4	3	1·8	+1·2	0·78	0·82	−0·04	0·78	1·09	−0·31	0·50	Allahabad.
20	2	2	0	1	0	1	3	2	N 42° W	N 79° W	1·3	2·2	−0·9	13	−19	87	− 6	·347	+·036	1·4	−0·5	4	1·5	+2·5	1·18	0·59	+0·59	1·18	0·83	+0·35	0·50	Cawnpore.
25	0	0	1	0	0	1	2	2	N 77° W	N 84° W	0·8§	1·6	−0·8	10	−19	79	− 2	·334	+·021	2·3	−0·2	2	1·5	+0·5	0·68	0·84	−0·16	0·68	1·19	−0·51	0·41	Lucknow.
18	4	0	1	0	0	3	1	4	N 46° W	N 45° W	1·1	1·6	−0·5	27	+ 4	85	− 2	·328	−·012	1·5	−0·4	2	2·1	−0·1	0·53	0·89	−0·36	0·53	1·21	−0·68	0·31	Bahraich.
10	2	4	5	2	0	3	3	2	N 45° E	N 63° W	2·9‖	1·5	+1·4	13	− 5	67	+ 2	·294	−·008	3·6	+1·9	0	1·4	−1·4	0·09	0·68	−0·59	0·09	0·95	−0·86	0·09	Jhansi.
16	3	2	1	1	0	4	2	2	N 58° W	N 56° W	1·9	2·6	−0·7	10	−22	77	+ 6	·339	+·062	3·9	+1·3	2	1·4	+0·6	0·51	0·54	−0·03	0·51	0·87	−0·36	0·30	Agra.
12	2	1	1	1	1	1	7	5	N 67° W	N 59° W	1·2	1·2	0	33	+ 5	86	+ 9	·331	+·050	1·8	−1·3	0	1·7	−1·7	0·21	0·66	−0·45	0·21	1·12	−0·91	0·07	Mainpuri.
26	0	0	1	0	0	0	1	3	N 45° W	N 45° W	0·7	1·6	−0·9	10	−15	84	+ 1	·325	+·025	3·3	+0·5	1	2·4	−1·4	0·14	1·05	−0·91	0·14	1·43	−1·29	0·14	Bareilly.
24	0	0	0	1	0	0	0	6	N 45° W	N 53° W	1·0	1·5	−0·5	13	− 3	92	+ 7	·319	+·043	2·5	−0·6	5	2·9	+2·1	2·87	1·59	+1·28	2·89	2·22	+0·67	0·34	Roorkee.

† Mean of 30 days. § Mean of 22 days. ‖ Mean of 26 days. ¶ Mean of 29 days. ** Mean of 13 days.

E

Table

(2) Abstract of observations taken at 8 hrs. at 215 stations

Number of sub-division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	VI.—Punjab.											✓		✓		✓							
11	Delhi	718	29·394	+·062	30·132	29·494	14th	29·308	27th & 28th	·186	50·6	68·0	−2·0	47·7	0	57·8	−1·0	20·3	72·3	24th	40·1	12th	32·2
	Hissar	725	29·407	+·076	30·162	29·496	14th	29·312	28th	·186	46·2	70·1	0	41·3	−1·4	55·7	−0·7	28·8	76·3	23rd	35·5	13th	40·8
	Patiala	*818*	29·254	+·035	30·138	29·384	18th	29·171	27th	·213	47·2	67·5	−0·1	44·8	+1·3	56·2	+0·6	22·7	71·8	7th	38·4	3rd	33·4
	Ambala	892	29·211	+·078	30·148	29·339	17th	29·098	27th	·241	46·9	68·3	+0·3	43·1	0	55·7	+0·1	25·2	73·1	30th	35·1	5th & 6th	38·0
	Ludhiana	812	29·205	+·082	30·154	29·437	17th	29·198	27th	·239	47·3	66·1	−0·3	45·0	+0·8	55·6	+0·3	21·1	70·9	13th	39·0	5th	31·9
	Lahore	702	29·423	+·079	30·163	29·546	18th	29·309	27th	·237	44·0	69·4	+1·0	41·6	+0·5	55·5	+0·7	27·8	74·6	23rd	37·0	9th & 10th	37·6
	Sialkot	830	29·284	+·077	30·162	29·441	17th	29·168	27th	·273	44·8	66·6	+0·8	39·9	−3·1	53·3	−1·1	26·7	73·1	29th	34·6	10th	38·5
	Rawalpindi	1,674	28·417	+·067	30·208	28·575	18th	28·299	27th	·276	40·6	66·6	+4·2	36·6	−1·4	51·6	+1·4	30·0	71·2	4th	32·2	10th	39·0
12	Khushab	612	29·527	+·074	30·167	29·686	18th	29·383	27th	·303	45·6	69·4	+1·9	39·3	−2·0	54·4	−0·1	30·1	75·3	24th & 27th.	35·0	10th	40·3
	Lyallpur	605	29·519		30·150	29·657	18th	29·402	27th	·255	44·8	69·3		35·1		52·2		34·2	76·0	22nd	29·6	17th	46·4
	Montgomery	558	29·580	+·073	30·157	29·694	18th	29·471	27th	·223	46·6	70·3	+1·9	42·4	+1·1	56·4	+1·5	27·9	75·7	23rd	36·5	6th & 16th.	39·2
	Multan	420	29·727	+·067	30·154	29·875	18th	29·613	27th	·262	50·0	73·5	+3·8	45·9	+2·6	59·7	+3·2	27·6	77·7	30th	40·4	6th	37·3
	VII.—North-West Frontier Province.																						
14	Peshawar	1,113	29·014	+·051	30·213	29·179	18th	28·885	27th	·294	38·8	65·2	+2·2	35·2	−4·4	50·2	−1·1	30·0	74·2	28th	31·9	5th & 15th	42·3
	D. I. Khan	590	29·547	+·044	30·166	29·715	18th	29·408	27th	·309	42·6	69·7	+1·1	41·0	+0·8	55·3	+0·9	28·7	77·0	28th	36·1	15th	40·9
	VIII.—Sind.																						
16	Jacobabad	186	29·972	+·057	30·133	30·144	18th	29·824	31st	·320	49·3	75·7	+2·7	44·0	+0·8	59·8	+1·7	31·7	83·1	31st	37·8	16th	45·3
	Hyderabad	96	30·067	+·061	30·122	30·221	18th	29·900	31st	·321	54·1	76·6	+0·4	50·2	−0·4	63·4	0	26·4	86·8	28th	42·2	16th	44·6
	Karachi	13	30·163	+·068	30·126	30·306	18th	30·024	31st	·282	60·5	76·8	+1·1	57·4	−1·1	67·1	0	19·4	81·3	23rd	53·6	18th	27·7
	IX.—Rajputana.																						
17	Bikaner	*771*	29·350	+·069	30·142	29·471	18th	29·251	28th	·220	50·5	71·9	+0·5	44·9	−3·6	58·4	−1·5	27·0	78·2	23rd	37·9	9th	40·3
	Jodhpur	780	29·393	+·053	30·124	29·436	18th	29·239	31st	·197	54·3	75·2	−0·9	50·4	+0·8	62·8	−0·1	24·8	84·5	23rd	41·3	8th	43·2
18	Jaipur	1,431	28·666	+·053	30·142	28·745	18th	28·588	27th	·157	53·8	73·7	−0·3	48·2	+0·4	60·9	+0·1	25·5	78·5	24th	39·2	9th & 10th	39·3
	Ajmer	1,611	28·486	+·061?	30·176?	28·580	18th	28·435	29th	·145	47·7	70·6	−2·8?	45·2	−0·4	57·9	−1·6?	25·4	77·0	24th	37·2	10th	39·8
	Kotah	832	29·283	+·053	30·121	29·371	19th	29·205	27th	·166	57·5	75·8	−1·0	52·5	+1·6	64·2	+0·3	23·3	84·6	24th	46·0	11th	38·6
	X.—Bombay.																						
19	Deesa	466	29·646	+·058	30·096	29·758	18th	29·535	31st	·223	56·6	82·3	−0·7	49·2	−2·0	65·7	−1·3	33·1	90·3	23rd	40·1	16th	50·2
	Bhuj	334	29·794	+·057	30·098	29·923	18th	29·663	31st	·260	59·0	78·2	−1·4	49·2	−5·2	62·7	−3·3	29·0	85·2	23rd	41·0	16th	44·2
	Jamnagar	61	30·073	+·043	30·082	30·184	18th	29·932	31st	·252	60·5	78·9	+0·3	52·2	−1·1	65·5	−0·4	26·7	85·0	24th	45·5	16th	39·5
	Dwarka	37	30·109	+·059	30·092	30·226	18th	29·957	31st	·269	63·4	77·9	+0·6	58·3	−1·0	68·1	−0·2	19·6	83·3	14th	54·5	9th	28·8
	Rajkot	429	29·675	+·045	30·079	29·786	18th	29·532	31st	·254	58·1	81·3	−2·2	48·6	−2·1	65·0	−2·1	32·7	89·5	23rd	40·8	16th	48·7
	Veraval	*18*	30·084	+·043	30·045	30·167	7th	29·920	31st	·247	64·2	82·2	+1·0	59·2	+0·4	70·7	+0·7	23·0	88·8	15th	53·3	8th	35·5
	Bhavnagar Para	55	30·058	+·034	30·062	30·174	18th	29·925	31st	·249	59·6	83·9	+0·4	53·0	−1·7	68·4	−0·5	30·9	91·0	23rd	43·2	9th	47·8
	Surat	39	30·057	+·040	30·040	30·146	18th	29·923	31st	·223	63·4	84·3	−1·7	58·5	+1·6	71·7	−0·1	26·4	93·1	23rd	52·5	9th	40·6
	Ahmadabad	163	29·956	+·049	30·076	30·087	18th	29·851	31st	·236	62·3	84·5	+0·5	57·0	−0·1	70·7	+0·2	27·5	92·6	23rd	48·8	7th	43·8
25	Bombay	37	30·029	+·026	30·007	30·099	7th	29·909	31st	·190	70·9	86·6	+1·1	68·2	+0·3	75·9	+0·7	15·4	89·1	1st	62·3	9th	26·8
	Ratnagiri	207	29·823	+·012	29·973	29·915	18th	29·735	30th	·180	74·8	87·9	+1·0	69·5	+3·1	79·7	+2·1	18·4	94·1	24th	62·9	8th	31·2
	Marmagao	*60*	29·981	+·022	29·976	30·068	18th	29·909	31st	·159	73·2	84·5	−0·4	70·9	+1·2	77·7	+0·4	13·6	89·7	23rd	68·0	29th & 30th.	20·7
	Karwar	44	30·007	+·024	29·986	30·101	18th	29·945	30th	·156	69·7	86·8	+0·2	67·4	+1·6	77·1	+1·0	19·4	90·8	23rd	62·8	4th	28·0

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

B—*continued.*

in India, etc., in January, 1915—*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., 1914 to 31st Jan., 1915.	Normal rainfall for period, 1st Dec. to 31st Jan.	Departure from normal of period, 1st Dec., 1914 to 31st Jan., 1915.	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
																																VI.—Punjab.
6	2	0	0	1	2	3	14	3	S 88° W	S 87° W	1·9	2·1	−0·2	56	+21	78	+10	·291	+·034	2·3	−1·1	3	2·2	+0·8	1·29	1·07	+0·22	1·29	1·55	−0·26	0·55	Delhi.
3	2	2	5	0	3	10	3	3	S 51° W		3·0			27		82	+ 6	·261	+·015	3·9	+0·5	2	1·5	+0·5	0·79	0·67	+0·12	0·81	0·98	−0·17	0·54	Hissar.
10	4	2	4	1	0	1	3	6	N 14° W		3·0			26		86	+ 7	·282	+·007	2·2	−1·1	2	2·5	−0·5	1·66	1·31	+0·35	1·66	1·71	−0·05	1·26	Patiala.
15	12	0	2	0	0	0	1	1	N 1° E	N 48° W	2·4	1·4	+1·0	41	+23	88	+ 3	·289	+·011	3·0	−0·5	5	3·4	+1·6	1·65	1·57	+0·08	1·65	2·26	−0·61	0·65	Ambala.
25	4	0	0	0	0	0	1	1	N 21° W	N 59° W	1·2	1·2	0	20	+ 1	89	+ 7	·291	+·022	1·8	−2·0	3	3·1	−0·1	2·79	1·72	+1·07	2·97	2·47	+0·50	1·15	Ludhiana.
29	0	0	0	1	0	0	0	1	(a)	N 88° W	0·6	1·2	−0·6	(a)		90	+ 6	·263	+·009	3·0	−0·7	1	2·2	−1·2	0·28	1·06	−0·78	0·98	1·46	−0·48	0·25	Lahore.
22	2	1	3	1	0	1	1	0	N 64° E	N 49° E	0·9	0·9	0	10	+ 2	94	+13	·280	+·018	3·2	0	1	3·0	−2·0	0·23	2·29	−2·06	0·90	2·98	−2·08	0·16	Sialkot.
16	2	2	1	1	2	2	2	3	N 59° W	N 40° W	1·7	1·5	+0·2	7	− 7	85	+ 3	·215	−·010	2·4	−2·1	0	3·9	−3·9	0.01	2·67	−2·66	2·76	3·64	−0·88	0·01	Rawalpindi.
25	0	3	2	0	0	1	0	0	N 67° E	N 18° E	1·3	2·1	−0·8	10	− 1	70	+ 2	·214	+·001	2·6	−0·4	0	1·7	−1·7	0	0·79	−0·79	1·01	1·22	−0·18	0	Khushab.
11	0	2	1	6	1	7	1	2	S 6° W		1·4			23		86		·254		3·7		0	1·2	−1·2	0	0·42	−0·42	0·19	0·62	−0·43	0	Lyallpur.
15	0	2	2	5	4	1	1	1	S 31° E	N 18° E	2·4	2·5	−0·1	27	+13	78	+ 7	·247	+·020	1·9	−1·4	0	1·7	−1·7	0·07	0·57	−0·50	0·18	0·95	−0·77	0·07	Montgomery.
24	0	5	1	0	1	0	0	0	N 60° E	N 45° E	0·4	0·9	−0·5	20	− 3	74	+ 3	·268	+·029	1·7	−1·2	0	1·2	−1·2	0	0·39	−0·39	0	0·64	−0·64	0	Multan.
																																VII.—North-West Frontier Province.
22	1	0	0	0	3	0	0	0	S	S 18° W	1·2	1·8	−0·6	23	−16	81	+ 9	·192	−·010	2·0	−2·6	0	3·0	−3·0	0	1·64	−1·64	1·24	2·13	−0·89	0	Peshawar.
22	0	4	0	0	0	1	0	4	N 8° W	N 37° W	0·4	1·0	−0·6	17	− 1	81	+10	·227	+·017	1·3	−2·4	1	1·4	−1·4	0	0·52	−0·52	0·32	0·73	−0·41	0	D. I. Khan.
																																VIII.—Sind.
26	0	1	3	1	0	0	0	0	E	N 22° E	0·9	1·6	−0·7	14	− 4	86	+22	·294	+·075	1·4	−1·7	0	0·8	−0·8	0	0·31	−0·31	0·07	0·42	−0·35	0	Jacobabad.
0	22	1	0	1	1	2	2	2	N 9° W	N 7° E	3·7	5·1	−1·4	69	+18	66	+ 9	·278	+·025	0·6	−2·1	0	0·6	−0·6	0	0·23	−0·23	0	0·29	−0·29	0	Hyderabad.
2	6	20	1	0	0	0	0	2	N 33° E	N 50° E	5·4	6·7	−1·3	82	+ 8	54	− 9	·290	+·034	1·8	−0·7	0	1·2	−1·2	0	0·62	−0·62	0·53	0·75	−0·22	0	Karachi.
																																IX.—Rajputana.
19	1	1	2	4	2	1	0	1	S 53° E	N 22° W	2·5	2·7	−0·2	17	− 5	50	− 6	·187	−·029	2·4	−0·7	1	0·9	+0·1	0·40	0·32	+0·08	0·40	0·51	−0·11	0·34	Bikaner.
3	7	21	0	0	0	0	0	0	N 34° E		3·8			86		49	+ 3	·209	+·014	3·9	−0·1	1	0·5	+0·5	0·17	0·17	0	0·17	0·31	−0·14	0·17	Jodhpur.
8	5	9	5	2	0	0	1	1	N 46° E	N 6° E	2·8	2·4	+0·4	49	+20	62	0	·257	+·008	3·6	+0·6	2	1·2	+0·8	0·41	0·49	−0·08	0·41	0·71	−0·30	0·29	Jaipur.
23	1	3	0	2	0	0	0	2	N 34° E	N 9° W	1·8	1·6	+0·2	13	− 5	71	0	·239	−·018	2·2	−0·5	1	1·2	−0·2	0·76	0·39	+0·37	0·76	0·67	+0·09	0·73	Ajmer.
18	2	5	2	0	0	0	2	2	N 57° E		1·7			23		61	+ 4	·292	+·041	3·6	+2·1	1	0·7	+0·3	1·41	0·23	+1·18	1·41	0·52	+0·89	1·41	Kotah.
																																X.—Bombay.
1	1	16	10	2	0	1	0	0	N 66° E	N 56° E	6·0	6·2	−0·2	79	+21	55	+ 8	·255	+·032	1·8	+0·2	1	0·3	+0·7	0·30	0·13	+0·17	0·30	0·19	+0·11	0·28	Deesa.
17	2	7	0	0	2	0	3	0	N 23° E	N 45° W	3·4	4·7	−1·3	20	+ 2	56	− 4	·281	−·049	1·5	0	0	0·2	−0·2	0	0·07	−0·07	0	0·12	−0·12	0	Bhuj.
5	1	10	11	1	2	0	1	0	N 73° E		3·7			60		61	+ 1	·325	+·004	1·1	+0·3	0	0·2	−0·2	0	0·03	−0·03	0	0·10	−0·10	0	Jamnagar.
4	9	14	4	0	0	0	0	0	N 36° E		3·3			76		65	− 4	·382	−·066	1·6	+0·1	0	0·2	−0·2	0	0·05	−0·05	0	0·11	−0·11	0	Dwarka.
8	8	7	6	0	0	0	1	1	N 34° E	N 55° E	4·3	3·8	+0·5	56	+14	49	− 3	·236	−·044	5·1	+4·0?	1	0·2	+0·8	0·20	0·04	+0·16	0·20	0·09	+0·11	0·19	Rajkot.
4	12	2	1	0	0	0	0	12	N 15° W	N 20° E	5·1	4·3	+0·8	76	+ 1	51	− 2	·309	−·020	1·0	−0·3	0	0·1	−0·1	0·08	0·01	+0·07	0·08	0·13	−0·05	0·06	Veraval.
12	1	0	0	0	0	0	7	11	N 62° W	N 85° W	2·3	5·0	−2·7	54	−11	57	+ 4	·292	+·008	1·5	+0·2	0	0·1	−0·1	0	0·03	−0·03	0	0·13	−0·13	0	Bhavnagar Para.
2	12	10	2	1	1	1	0	2	N 23° E	N 5° E	2·5	3·6	−1·1	66	+24	69	+ 5	·402	+·027	1·8	+0·9	0	0·2	−0·2	0	0·07	−0·07	0	0·12	−0·12	0	Surat
1	1	26	1	2	0	0	0	0	N 49° E	N 48° E	4·4	3·1	+1·3	89	+18	48	+ 1	·277	+·010	2·1	+0·6	0	0·1	−0·1	0	0·02	−0·02	0	0·06	−0·06	0	Ahmadabad.
0	9	12	7	2	0	0	0	1	N 44° E	N 58° E	6·6	7·2	−0·6	72	− 9	68	− 4	·515	−·036	2·1	+0·8	0	0·2	−0·2	0	0·09	−0·09	0	0·16	−0·16	0	Bombay.
3	2	6	9	9	1	0	1	0	S 82° E	S 86° E	6·4	5·6	+0·8	62	+ 7	54	− 9	·468	−·030	2·3	+1·3	0	0·2	−0·2	0	0·12	−0·12	0·41	0·21	+0·20	0	Ratnagiri.
1	4	7	18	1	0	0	0	0	N 71° E	S 84° E	5·8	6·0	−0·2	82	+ 5	81	− 1	·663	+·014	2·9	+1·6	0	0·1	−0·1	0	0·03	−0·03	1·00	0·21	+0·79	0	Marmagao.
12	4	14	0	0	0	0	9	1	N 32° E	N 62° E	2·3	2·6	−0·3	59	−28	85	+ 4	·621	+·061	1·9	+1·0	0	0·1	−0·1	0	0·07	−0·07	2·02	0·25	+2·77	0	Karwar.

(a) Indeterminate.

Table

(2) Abstract of observations taken at 8 hrs. at 215 stations

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 between mean maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	X.—Bombay—*concld.*																						
26	Malegaon	1,430	28·650	+·049	30·081	28·727	18th	28·545	31st	·192	62·0	85·8	0	54·2	+2·2	70·0	+1·1	31·6	91·4	25th & 26th.	42·1	9th	49·3
	Ahmadnagar	2,154	27·918	+·032	30·053	27·993	18th	27·814	31st	·184	63·4	83·0	−1·5	54·8	+2·5	68·9	+0·5	28·2	86·8	27th	47·3	9th	39·5
	Poona	1,846	28·216	+·032	30·061	28·298	18th	28·106	31st	·192	62·3	85·4	−0·8	55·8	+1·6	70·6	+0·4	29·6	90·0	26th	48·5	9th	41·5
	Sholapur	1,590	28·467	+·029	30·036	28·562	18th	28·381	31st	·181	67·2	84·3	−3·4	61·5	+2·7	72·9	−0·3	22·8	88·8	28th & 31st.	56·3	1st	32·5
	Bijapur	*1,948*	28·101	+·027	30·023	28·193	18th	28·012	30th & 31st.	·181	67·3	83·3	−3·1	61·8	+1·9	72·5	−0·6	21·5	87·2	28th	54·2	1st	33·0
	Belgaum*	2,562	27·505	+·032	30·020	27·585	18th	27·423	31st	·162	66·3	82·3	−1·2	59·7	+2·1	71·0	+0·5	22·6	85·7	27th	54·5	29th	31·2
	XI.—Central India.																						
20	Neemuch	1,626	28·463	+·044	30·125	28·557	18th	28·390	27th	·167	55·4	76·2	−1·1	48·4	−0·1	62·3	−0·6	27·8	86·7	24th	38·8	9th	47·9
	Indore	1,823	28·252	+·044	30·091	28·330	18th	28·175	27th	·155	60·5	80·7	+1·3	51·5	+1·9	66·1	+1·6	29·2	86·9	8th	42·7	11th	44·2
21	Nowgong	754	29·360	+·053	30·123	29·446	11th	29·257	7th	·189	53·2	74·4	+0·2	48·5	+1·4	61·4	+0·8	25·9	85·0	8th	38·3	1st	46·7
	Sutna	1,041	29·060	+·057	30·123	29·152	11th	28·969	8th	·183	54·6	74·5	−0·1	49·6	+1·6	62·0	+0·7	24·9	84·3	8th	40·5	11th	44·3
	XII.—Central Provinces.																						
22	Buldana	2,134	27·937		30·043?	28·020	18th	27·864	27th & 31st.	·156	66·1	89·9	−0·4	58·3	−0·4	69·6	−0·4	22·6	84·9	27th	50·6	9th	34·3
	Akola	925	29·173	+·056	30·088	29·293	18th	29·064	27th	·229	63·3	85·0	−0·7	55·9	+2·0	70·4	+0·7	29·1	91·0	5th	44·9	9th	46·1
	Amraoti	1,215	28·865	+·046	30·072	28·974	18th	28·755	28th	·219	65·1	83·3	−1·6	59·5	+1·3	71·4	−0·1	23·8	87·3	28th	52·9	12th	34·4
23	Khandwa	1,044	29·053	+·058	30·089	29·127	11th	28·948	27th	·179	64·6	85·5	+1·2	55·1	+2·9	70·3	+2·1	30·4	91·0	23rd	41·9	8th	49·1
	Hoshangabad	1,006	29·096	+·047	30·106	29·183	11th	29·025	27th	·158	59·5	81·5	+1·6	53·9	+1·8	67·7	+1·7	27·6	88·1	7th	42·6	12th	45·5
	Saugor	1,807	28·278	+·047	30·111	28·381	17th	28·191	27th	·190	58·3	77·7	+1·0	53·6	+1·5	65·6	+1·3	24·1	86·2	7th	46·2	9th & 11th.	40·0
	Jubbulpore	1,327	28·759	+·052	30·111	28·841	11th	28·654	27th	·187	55·8	78·8	+1·3	51·1	+2·8	65·0	+2·1	27·7	83·9	7th, 8th & 27th.	39·3	10th	44·6
	Seoni	2,033	28·058	+·063	30·112	28·148	17th	27·963	28th	·185	59·1	77·3	−2·0	52·6	+1·2	65·0	−0·4	24·7	82·2	5th & 23rd.	44·3	11th	37·9
	Nagpur	1,017	29·078	+·055	30·091	29·167	18th	28·975	28th	·192	61·5	81·4	−2·3	56·0	+0·3	68·7	−1·0	25·4	84·8	5th & 7th	46·5	12th	35·3
24	Pendra	2,040	28·050	+·065	30·117	28·145	17th	27·963	27th	·182	58·5	75·9	−0·1	52·3	+1·5	64·1	+0·7	23·6	81·8	27th	43·1	10th	38·7
	Raipur	870	29·129	+·055	30·096	29·225	18th	29·021	28th	·204	60·0	79·6	−2·0	56·6	+1·2	68·1	−0·4	23·0	85·4	7th	48·1	11th	37·3
	Chanda	*634*	29·459	+·042	30·065	29·558	18th	29·338	28th	·220	63·3	83·1	−2·4	56·4	+1·5	69·7	−0·5	26·7	87·3	7th	45·0	12th	42·3
	Jagdalpur	1,813	28·271		30·092	28·337	19th	28·175	28th	·162	60·1	79·0		54·6		66·8		24·4	84·4	29th	46·1	2nd	38·3
	XIII.—Hyderabad.																						
27	Aurangabad	1,905	28·179	+·041	30·068	28·269	18th	28·083	31st	·186	65·8	82·9	−2·3	59·1	+3·8	70·9	+0·7	23·8	86·2	28th	51·9	10th	34·3
	Nizamabad	1,248	28·839		30·069	28·942	18th	28·746	31st	·196	66·3	83·6	−2·0	60·2	+3·8	71·9	+0·9	23·4	87·4	5th	52·0	13th	35·4
	Bidar	*2,165*									70·5	81·6	−1·9	61·0	+0·4	71·3	−0·7	20·6	85·6	14th	53·4	6th	32·2
28	Gulbarga	1,503	28·555	+·026	30·039	28·648	18th	28·467	29th	·181	66·8	85·3	−2·1	61·7	+1·7	73·5	−0·2	23·6	88·8	31st	56·1	1st	32·7
	Raichur	*1,311*	28·761	+·061	30·039	28·828	18th	28·685	29th	·163	70·8	85·6	−1·4	65·9	+1·4	75·7	0	19·7	91·0	29th	60·1	1st	30·9
	Hyderabad (Deccan)	1,738	28·331	+·038	30·050	28·413	18th	28·241	29th	·172	66·3	81·4	−3·5	61·6	+1·9	71·5	−0·8	19·8	87·1	28th	57·9	2nd	29·2
	Hanamkonda	877	29·217	+·058	30·067	29·296	18th	29·136	29th	·160	68·2	82·7	−3·0	63·5	+0·7	73·1	−1·1	19·2	86·0	22nd & 23rd.	58·9	13th	27·1
	XIV.—Mysore.																						
29	Chitaldrug	2,405	27·651	+·035	29·994	27·714	18th	27·565	29th	·149	69·4	85·4	+0·7	63·4	+1·3	74·4	+1·0	22·0	90·1	28th & 30th.	57·6	7th	32·5
	Hassan	3,149	26·942	+·039	30·007	27·006	18th	26·872	30th	·134	65·8	82·7	+0·4	59·2	+3·7	71·0	+2·1	23·5	85·1	30th	51·3	4th	35·8
	Bangalore	3,021	27·066	+·028	30·007	27·117	18th	27·010	29th & 31st.	·107	65·1	82·4	+1·7	60·0	+2·6	71·2	+2·1	22·4	87·7	30th	51·6	4th	36·1
	Mysore	2,518	27·546	+·027	29·995	27·600	18th	27·480	30th	·120	69·2	84·7	+0·3	62·9	+2·5	73·8	+1·4	21·8	88·9	30th	56·4	4th	32·5

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

* Mean of 30 days

B—*continued.*

in India, etc., in January, 1915—*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., 1914 to 31st Jan., 1915.	Normal rainfall for period, 1st Dec. to 31st January.	Departure from normal of period, 1st Dec., 1914 to 31st Jan., 1915.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																X.—Bombay—*concld.*
8	1	0	0	1	2	14	4	1	S 52° W	N 68° W	3·5	3·7	−0·2	56	− 9	54	+ 1	·312	+ ·031	2·3	+1·1	1	0·3	+0·7	0·56	0·14	+0·42	0·56	0·36	+0·20	0·54	Malegaon.
9	3	2	0	6	4	1	0	6	S 67° E	N 5° W	4·5	4·3	+0·2	2	− 5	55	− 2	·327	− ·002	1·3	+0·2	1	0·2	+0·8	0·24	0·13	+0·11	0·27	0·58	−0·31	0·15	Ahmadnagar.
0	1	1	2	9	0	9	0	9	S 38° W	S 70° W	4·7	4·5	+0·2	23	−45	67	+ 8	·383	+ ·066	1·6	+0·4	0	0·2	−0·2	0·06	0·06	0	0·06	0·25	−0·19	0·03	Poona.
1	0	6	5	18	0	0	0	1	S 70° E	S 66° E	6·5	5·7	+0·8	72	+17	60	+13	·397	+ ·074	4·0	+2·5	1	0·2	+0·8	1·51	0·13	+1·38	3·07	0·59	+2·48	1·41	Sholapur.
7	3	0	6	10	4	0	0	1	S 59° E	S 59° E	1·9	3·1	−1·2	43	− 1	63	− 2	·426	− ·012	3·3	+1·5	2	0·1	+1·9	1·92	0·91	+1·91	2·38	0·31	+2·07	1·68	Bijapur.
18	0	0	10	2	0	0	0	0	S 83° E	S 81° E	5·7†	7·3	−1·6	37	− 6	69	+10	·443	+ ·061	4·4	+2·8	1	0·2	+0·8	1·07	0·10	+0·97	3·70	0·44	+3·26	1·07	Belgaum.
																																XI.—Central India.
4	5	4	15	0	2	0	1	0	N 71° E	N 48° E	3·9	4·7	−0·8	59	+ 9	58	+ 2	·260	+ ·010	2·7	+1·0	1	0·4	+0·6	1·59	0·19	+1·40	1·59	0·40	+1·19	1·55	Neemuch.
9	3	7	5	6	0	0	0	1	N 72 E	N 36° E	2·3	1·8	+0·5	46	+35	58	− 3	·312	+ ·018	2·5	+0·5	1	0·4	+0·6	0·20	0·14	+0·06	0·20	0·39	−0·19	0·15	Indore.
13	1	2	5	2	3	3	1	1	S 50° E	N 56° W	1·3	1·0	+0·3	17	− 9	72	− 4	·298	− ·006	3·2	+0·6	0	1·7	−1·7	0·19	0·67	−0·48	0·19	1·17	−0·98	0·09	Nowgong.
30	0	0	0	0	0	1	0	0	S 45° W	N 20° W	0·9	3·0	−2·1	3	−33	69	− 2	·301	− ·010	2·8	+0·3	2	2·0	0	1·47	0·95	+0·52	1·47	1·38	+0·09	1·07	Sutna.
																																XII.—Central Provinces.
0	2	0	4	13	7	1	2	2	S 35° E		5·5	4·2	+1·3	52		51		·326		1·5		1	0·5	+0·5	0·17	0·23	−0·06	0·35	0·82	−0·47	0·17	Buldana.
5	0	6	11	3	2	1	2	1	E	S 84° E	3·7	2·7	+1·0	45	+10	55	+ 1	·326	+ ·025	3·7	+1·9	1	0·5	+0·5	0·98	0·31	+0·67	1·57	1·02	+0·55	0·95	Akola.
18	0	5	6	2	0	0	0	0	N 79° E	N 87° E	0·7	3·1	−2·4	37	−24	54	+ 3	·322	+ ·012	2·6	+1·1	1	0·7	+0·3	1·30	0·35	+0·95	1·59	0·92	+0·67	1·27	Amraoti.
31	0	0	0	0	0	0	0	0	Calm	N 39° E	2·6	2·4	+0·2	(a)		51	− 4	·317	+ ·014	2·9	+1·4	0	0·5	−0·5	0	0·24	−0·24	0·28	0·55	−0·27	0	Khandwa.
6	0	9	10	4	0	1	0	1	N 79° E	N 63° E	1·8	2·0	−0·2	59	+ 2	59	− 6	·307	− ·001	1·8	−0·1	0	0·8	−0·8	0	0·27	−0·27	0	0·73	−0·78	0	Hoshangabad.
4	1	2	14	4	3	1	1	1	S 77° E	S 84° E	4·7	2·6	+2·1	53	+24	52	− 3	·257	− ·003	2·3	+0·5	1	1·2	−0·2	0·17	0·60	−0·43	0·17	1·13	−0·96	0·15	Saugor.
11	0	1	2	11	3	2	1	0	S 35° E	S 63° E	1·5	1·5	0	45	+10	70	− 5	·320	− ·003	2·3	+0·3	2	1·5	+0·5	0·51	0·75	−0·24	0·51	1·06	−0·55	0·29	Jubbulpore.
14	5	3	2	2	1	3	1	0	N 43° E	N 39° E	3·0	1·9	+1·1	13	−19	62	− 3	·317	− ·009	2·6	+0·8	1	1·2	−0·2	0·58	0·50	+0·08	1·87	1·05	+0·82	0·46	Seoni.
5	11	4	3	3	0	0	0	5	N 16° E	N 13° E	2·9	2·6	+0·3	53	+21	66	+ 6	·366	+ ·024	3·7	+1·9	2	0·3	+1·2	1·01	0·34	+0·67	3·37	0·90	+2·47	0·67	Nagpur.
17	3	1	0	1	4	2	0	3	S 81° W		3·4			7		64	0	·314	+ ·019	2·8	+0·8	2	1·9	+0·1	0·50	0·85	−0·35	1·57	1·23	+0·34	0·21	Pendra.
6	6	2	5	1	3	2	1	5	N 12° E	N 13° E	1·9	2·0	−0·1	20	+10	74	+10	·338	+ ·034	2·3	+0·5	3	0·7	+2·3	1·16	0·21	+0·95	1·24	0·47	+0·77	0·56	Raipur.
23	1	1	1	2	1	0	1	1	E	N 68° E	0·9	1·5	−0·6	5	−23	74	+ 4	·410	+ ·037	4·3	+2·6	2	0·4	+1·6	1·76	0·23	+1·53	2·09	0·51	+1·58	1·28	Chanda.
22	1	3	1	2	0	0	1	1	N 49° E		1·2			10		86		·451		5·1		3			1·99			2·92			1·06	Jagdalpur.
																																XIII.—Hyderabad.
2	0	10	15	3	1	0	0	0	N 81° E		5·2			79		52	+ 4	·328	+ ·012	3·0*	+2·0	1	0·4	+0·6	0·55	0·27	+0·28	1·02	0·58	+0·44	0·55	Aurangabad.
7	3	1	2	3	10	3	0	2	S 8° E		2·4			30		69	+ 6	·414	+ ·012	4·6	+3·1	1	0·3	+0·7	1·35	0·10	+1·25	1·97	0·21	+1·76	1·35	Nizamabad.
8	0	3	2	15	2	1	0	0	S 52° E		3·5			55		63	0	·469	+ ·009	9·7	+8·8?	1	0·5	+0·5	1·58	0·21	+1·37	1·79	0·51	+1·28	1·51	Bidar.
2	2	10	14	2	1	0	0	0	N 73° E	S 86° E	4·8	5·2	−0·4	76	+44	62	+ 4	·401	+ ·003	3·3	+2·0	2	0·2	+1·8	1·80	0·12	+1·68	1·91	0·34	+1·57	1·30	Gulbarga.
1	1	1	12	15	1	0	0	0	S 67° E	S 55° E	5·1	5·9	−0·8	82	+29	73	+16	·595	+ ·131	1·2	−0·7?	2	0·1	+1·9	0·70	0·08	+0·62	1·95	0·23	+1·72	0·54	Raichur.
17	0	10	4	0	0	0	0	0	N 58° E	S 51° E	2·6	2·6	0	43	+18	80	+ 7	·514	+ ·057	5·5‡	+3·4	2	0·4	+1·6	0·58	0·23	+0·45	0·86	0·40	+0·46	0·56	Hyderabad (Deccan).
2	3	1	1	11	8	2	1	2	S 25° E		3·2			46		75	+ 3	·518	+ ·008	4·4	+1·2	1	0·6	+0·4	0·34	0·45	−0·11	0·34	0·67	−0·33	0·31	Hanamkonda.
																																XIV.—Mysore.
5	0	3	11	11	0	0	1	0	S 74° E	S 69° E	5·3	4·9	+0·4	69	+14	67	+ 5	·480	+ ·025	3·8	+1·8	0	0·2	−0·2	0	0·15	−0·15	0·47	0·57	−0·10	0	Chitaldrug.
6	1	2	14	7	0	0	0	1	S 84° E	S 80° E	3·5	2·1	+1·4	65	− 4	78	+ 4	·496	+ ·023	4·5	+1·2	1	0·2	+0·8	0·36	0·08	+0·33	2·59	0·88	+1·71	0·36	Hassan.
1	0	5	19	5	0	1	0	0	S 88° E	N 87° E	6·9	3·9	+3·0	82	0	80	+ 1	·499	+ ·026	4·8	+1·5	2	0·4	+1·6	0·56	0·27	+0·29	0·80	0·76	+0·04	0·36	Bangalore.
2	4	12	9	2	2	0	0	0	N 65° E	N 72° E	4·6	6·4	−1·8	69	− 1	71	− 2	·505	+ ·009	4·0	+0·5	1	0·2	+0·8	0·12	0·16	−0·04	0·30	0·59	−0·29	0·12	Mysore.

(a) Indeterminate.

* Mean of 30 days.
† " " 29 "
‡ " " 27 "

Table

(2) Abstract of observations taken at 8 hrs. at 215 stations

Number of sub-division.	Station.	Elevation of bar cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	XV.—Madras.											✓		✓		✓							
30	Mangalore	72	29·960	+·014	29·964	30·033	18th	29·903	30th	·130	77·8	89·4	+0·3	72·3	+3·7	80·8	+2·0	17·1	92·6	22nd & 23rd	67·0	1st	25·6
	Calicut	27	29·997	+·020	29·952	30·072	18th	29·932	31st	·140	76·5	87·9	+0·5	72·6†	+3·3†	80·7†	+1·9	14·3	90·0	20th	68·5	6th	21·5
	Cochin	9	30·016	+·027	29·951	30·113	18th	29·947	31st	·166	77·2	89·6	+0·3	72·8	+2·0	81·7	+1·1	15·8	91·6	16th	69·2	4th	21·8
	Trivandrum	198	29·813	+·034	29·943	29·909	18th	29·748	31st	·161	76·5	85·5	+1·8	73·5	+1·0	79·5	+1·4	12·0	87·8	19th	71·0	11th	16·8
31	Pamban	37	30·004	+·016	29·968	30·067	18th	29·963	31st	·104	77·5	81·8	−0·9	74·2	−0·3	78·0	−0·6	7·6	85·7	2nd	70·8	29th	14·9
	Madura	447	29·614	+·031	30·001	29·669	18th	29·573	31st	·096	76·0	88·2	+0·9	71·6	+2·8	79·9	+1·9	16·7	92·1	16th	67·7	28th	24·4
	Pudukkottai	318	29·746	+·031	30·002	29·806	21st	29·697	2nd	·109	74·1	86·0	−0·8	69·4	+1·7	77·7	+0·5	16·6	88·6	27th	65·0	29th	23·6
	Negapatam	31	30·025	+·027	29·984	30·070	19th	29·975	31st	·095	76·7	83·0	+0·6	69·4	−2·0	76·2	−0·7	13·6	85·3	25th	66·4	9th	18·9
	Trichinopoly	255	29·818	+·034	30·010	29·861	19th	29·776	21st	·085	75·0	87·5	0	69·2	+1·7	78·4	+0·9	18·3	89·9	27th	65·1	28th	24·8
	Coimbatore	1,341	28·724	+·040	30·022	28·780	18th	28·673	2nd	·107	71·0	86·9	+0·2	65·8	+1·4	76·3	+0·8	21·1	89·5	15th	58·1	4th	31·4
	Salem	913	29·153	+·038	30·019	29·203	5th	29·102	30th	·101	72·7	87·7	−0·9	66·0	+1·6	76·8	+0·3	21·7	92·0	29th	58·8	3rd	33·2
	Cuddalore	37	30·037	+·031	30·004	30·081	5th & 18th.	29·983	15th	·098	73·4	81·9	−1·4	70·0	+2·0	76·0	+0·3	11·9	84·4	21st	65·5	4th&28th	18·9
	Vellore	707	29·372	+·034	30·037	29·424	18th	29·314	30th	·110	69·8	83·1	−1·6	65·5	+0·5	74·3	−0·5	17·6	86·3	27th	58·8	4th	27·5
	Madras	22	30·059	+·027	30·011	30·116	18th	30·005	30th	·111	74·3	84·1	−0·6	69·9	+2·3	77·0	+0·9	14·2	86·7	12th	65·9	9th&28th	20·8
32	Cuddapah	428	29·652	+·035	30·029	29·742	6th	29·564	29th	·148	72·3	86·8	−2·1	67·4	+2·0	77·1	−0·1	19·4	91·6	29th	60·0	1st	31·6
	Bellary	1,475	28·581	+·031	30·024	28·646	18th	28·473	29th	·173	70·1	88·8	+0·6	64·4	+2·8	76·6	+1·7	24·4	94·3	30th	58·6	2nd	35·7
	Kurnool	923	29·161	+·054	30·051	29·255	18th	29·060	29th	·195	68·9	86·4	−2·3	62·7*	+2·5*	74·7*	+0·1	23·7	91·0	29th	53·9	18th	37·1
33	Nellore	66	30·023	+·034	30·075	30·086	18th	29·944	29th	·142	71·3	82·4	−3·5	69·0	+2·0	75·7	−0·7	13·4	85·9	8th & 9th	62·4	24th	23·5
	Masulipatam	15	30·099	+·039	30·048	30·175	18th	30·009	29th	·166	70·8	81·8	−1·7	66·1	+0·2	74·0	−0·7	15·7	86·6	10th	62·3	3rd	24·3
	Cocanada	26	30·087	+·041	30·050	30·172	18th	30·012	29th & 30th.	·160	70·7	79·3	−2·3	66·4	+0·1	72·9	−1·1	12·9	85·3	10th	61·6	1st	23·7
	Waltair (Vizagapatam).	*226*	29·903	+·060	30·077	29·986	18th	29·821	29th	·165	71·9	80·6	−0·2	67·4	−0·5	74·0	−0·3	13·2	84·2	9th	63·2	15th	20·9
	Calingapatam	19	30·106		30·063	30·199	18th	30·002	29th	·197	67·1	81·1		62·9		72·0		18·2	91·5	10th	58·3	2nd	33·2
	Gopalpur	52	30·078	+·060	30·072	30·184	18th	29·975	29th	·209	66·2	79·2	−0·9	63·0	+0·8	71·1	−0·1	16·3	83·9	10th	57·9	13th	26·0
	Bay Islands.																						
1	P. V. Fraser	8	30·096		30·053	30·180	11th	30·004	29th	·176	72·0												
	Port Blair	58	29·968	+·029	29·956	30·069	18th	29·898	9th	·171	81·0	86·3	−0·1	77·7	+2·1	82·0	+1·0	8·6	89·6	17th	71·9	28th	17·7
	Table Island	90	29·950	+·015	29·975	30·051	18th	29·876	29th	·175	78·6‡	83·3‡	−0·2‡	76·3‡	+1·4‡	79·8‡	+0·6	7·0	85·0	20th & 30th	73·0	8th	12·0
	Kashmir.																						
13	Muzaffarabad	2,476	27·759§			27·897	18th	27·657	27th & 30th.	·240	42·7§												
	Srinagar	5,204	25·137	+·149	25·108	25·256	18th	24·972	1st	·284	26·1	31·7	−3·9	24·3	−2·2	28·0	−5·5	7·4	40·0	27th	18·8	18th	21·2
	Dras	*10,059*	20·956	+·185	20·924	21·173	10th	20·684	1st&2nd	·489	−14·5	10·1	−9·1	−21·5	−10·9	−5·7	−10·0	31·6	27·8	3rd	−18·7	11th	46·5
	Leh	*11,503*	19·794	+·145	19·752	20·007	10th	19·542	2nd	·465	9·1	27·8	−2·5	5·4	−3·1	16·6	−2·8	22·4	37·7	23rd	−2·6	7th	40·3
	Skardu	*7,505*	23·758	+·206	23·128	23·370	10th	22·845	1st	·525	8·2	28·9	−5·6	1·9	−14·7	15·4	−10·1	27·0	32·6	28th	−5·8	15th	38·4
	Gilgit*	4,899	25·456	+·184	25·429	25·626	10th	25·183	1st	·443	33·2	49·5	+3·9	29·6	−2·4	39·6	+0·7	19·9	57·2	28th	25·7	8th & 9th	31·5

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.

* Mean of 30 days.
† " " 29 "
‡ " " 28 "
§ Mean of 18 days.

B—*continued.*

in India, etc., in January, 1915—*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 Decr., 1914 to 31st Jany., 1915.	Normal rainfall for period, 1st Decr. to 31st Jany.	Departure from normal of period, 1st Decr., 1914 to 31st Jany., 1915.	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
																																XV.—Madras.
0	1	4	25	1	0	0	0	0	N 84° E	S 85° E	4·6	2·3	+2·3	96	+18	70	+ 4	·667	+·088	2·1	−0·1	0	0·2	− 0·2	0	0·08	− 0·08	1·40	0·56	+ 0·84	0	Mangalore.
5	0	4	16	5	0	1	0	0	S 86° E	N 80° E	3·8	6·1	−2·3	72	−11	83	+ 5	·754	+·075	3·0	+1·3	1	0·5	+ 0·5	0·17	0·42	− 0·25	4·77	1·52	+ 3·25	0·17	Calicut.
0	0	11	19	0	1	0	0	0	N 76° E	N 42° E	4·0	3·7	+0·3	92	+11	74	+ 1	·689	+·036	2·8	+1·0	2	0·8	+ 1·2	1·41	0·64	+ 0·77	8·58	2·25	+ 6·33	1·01	Cochin.
9	2	7	13	0	0	0	0	0	N 68° E	N 44° E	2·5	2·9	−0·4	62	+12	79	+ 2	·721	+·040	4·5	+1·4	3	1·4	+ 1·6	1·21	0·66	+ 0·55	8·43	2·86	+ 5·57	0·58	Trivandrum.
4	11	13	1	0	0	0	0	2	N 22° E	N 15° E	7·1	8·3	−1·2	76	+32	84	− 1	·789	−·011	4·2	+0·5	1	3·1	− 2·1	0·21	1·97	− 1·76	11·62	9·52	+ 2·10	0·13	Pamban.
0	13	13	3	0	0	0	0	2	N 25° E	N 3° E	?			85	+ 7	76	− 1	·683	+·022	5·9	+3·0	0	1·0	− 1·0	0·07	0·51	− 0·44	1·86	2·29	− 0·43	0·05	Madura.
1	10	20	0	0	0	0	0	0	N 30° E		6·1			90		83	0	·697	+·008	4·8	−0·2	3	1·6	+ 1·4	1·22	1·23	− 0·01	9·02	2·28	+ 6·74	0·48	Pudukkottai.
0	4	9	3	0	0	0	2	13	N 5° W	N 1° W	9·8	5·7	+4·1	62	+ 1	84	+ 3	·766	+·036	5·4	+0·2	4	2·4	+ 1·6	0·73	1·76	− 1·03	14·78	13·04	+ 1·74	0·23	Negapatam.
2	10	10	0	0	0	0	0	9	N 2° E	N 18° E	3·6	3·2	+0·4	76	+28	76	− 3	·658	−·003	4·1	+1·0	1	1·1	− 0·1	0·75	0·59	+ 0·16	2·72	3·27	− 0·55	0·55	Trichinopoly.
5	7	15	4	0	0	0	0	0	N 40° E	N 67° E	3·1	2·1	+1·0	72	0	75	− 9	·577	−·049	3·7	−0·6?	2	1·0	+ 1·0	1·15	0·60	+ 0·55	2·92	1·75	+ 1·17	0·89	Coimbatore.
10	4	1	12	0	0	0	3	1	N 59° E	N 50° E	3·7	3·5	+0·2	33	− 9	84	+ 7	·667	+·053	3·8	+0·9	0	0·6	− 0·6	0	0·24	− 0·24	0·54	1·44	− 0·90	0	Salem.
2	7	2	2	0	0	0	0	18	N 23° W	N 21° W	4·3	1·9	+3·0	76	− 3	87	− 1	·720	−·002	5·2	+1·8	5	1·8	+ 3·2	3·49	1·23	+ 2·26	20·14	8·44	+11·70	1·14	Cuddalore.
26	0	4	0	0	0	0	0	1	N 31° E		1·5			13		89	+ 4	·652	+·032	5·1	+3·2	6	1·7	+ 4·3	4·23	1·62	+ 2·61	6·95	5·14	+ 1·81	2·10	Vellore.
0	12	5	1	0	0	0	2	11	N 13° W	N 16° E	4·4	4·2	+0·2	79	+21	88	+ 4	·746	+·037	5·5	+2·2	6	1·5	+ 4·5	9·61	0·91	+ 8·70	12·68	7·15	+ 5·53	3·38	Madras.
1	1	0	7	8	5	2	5	2	S 27° E	S 65° E				37	−17	76	+ 1	·602	+·004	4·9	+2·8	2	0·4	+ 1·6	1·11	0·36	+ 0·75	1·14	1·40	− 0·26	0·89	Cuddapah.
6	0	0	8	12	3	1	0	1	S 53° E	S 36° E	2·8	2·6	+0·2	59	+17	76	+12	·557	+·106	4·5	+2·1	1	0·2	+ 0·8	0·24	0·11	+ 0·13	0·80	0·23	+ 0·57	0·22	Bellary.
13	0	5	10	1	1	0	0	0	N 83° E*	S 80° E	3·2			46	+42	76	+ 5	·541	+·051	4·2	+2·9	1	0·4	+ 0·6	1·71	0·11	+ 1·60	1·71	0·41	+ 1·30	1·62	Kurnool.
8	6	2	0	0	1	1	1	12	N 32° W	N 51° W	3·2	3·7	+0·5	56	+ 5	91	+ 4	·697	+·011	6·2	+1·9	8	1·1	+ 6·9	11·01	1·43	+ 9·58	12·41	4·50	+ 7·91	3·60	Nellore.
0	18	9	2	0	0	0	0	2	N 15° E	N 14° E	5·0	3·4	+1·6	89	+14	81	− 5	·620	−·043	4·8	+2·6	4	0·2	+ 3·8	2·38	0·17	+ 2·21	2·38	1·21	+ 1·17	1·35	Masulipatam.
12	3	15	1	0	0	0	0	0	N 41° E	N 7° W	6·6	5·7	+0·9	56	−25	79	+ 2	·589	+·002	5·6	+3·1	1	0·3	+ 0·7	0·41	0·16	+ 0·25	0·41	1·24	− 0·83	0·34	Cocanada.
5	11	8	4	1	1	1	0	0	N 34° E	N 78° W	4·4			56	+ 7	66	− 6	·514	−·059	4·2	+1·7	0	0·7	− 0·7	0·19	0·71	− 0·52	0·19	1·76	− 1·57	0·09	Waltair (Vizag.).
1	4	6	2	0	0	0	8	10	N 30° W		5·6			59		80		·531		3·4		1	1·3	− 0·3	0·52	0·39	+ 0·13	0·52	3·17	− 2·65	0·44	Calingapatam.
0	16	0	0	0	0	0	0	15	N 22° W	N 21° W	4·3	6·1	−1·3	99	+18	77	− 3	·498	−·029	3·5	+2·8	1	0·4	+ 0·6	0·24	0·23	+ 0·01	0·24	1·20	− 0·96	0·14	Gopalpur.
																																Bay Islands.
2	14	6	0	0	0	0	0	7	N 5° W					71		75		·593		3·6		0			0·09			0·29			0·09	P. V. Fraser.
0	9	12	6	1	0	0	0	2	N 37° E	N 23° E	5·5	4·7	+0·8	76	+10	77	−4	·804	+·015	3·9	−0·2	3	1·7	+ 1·3	1·77	1·01	+ 0·76	13·17	7·82	+ 5·35	1·16	Port Blair.
5	6	11	9	0	0	0	0	0	N 51° E		7·1			72		76†	+2	·751†	+·042	5·4	+0·5	0	§ 0·5	− 0·5	0	0·28	− 0·28	4·45	2·00	+ 2·45	0	Table Island.
																																Kashmir.
10	3	2	1	0	0	0	0	2	N 9° E**		3·1‡			33		65§		·171§		2·1§		2			0·58			3·61			0·42	Mazaffarabad.
4	0	1	0	8	11	5	1	1	S 3° E	S 26° E	2·0	2·3	−0·3	62	+44	86	− 3	·123	−·023	9·9	+2·2	1	6·3	− 5·3	0·38	2·98	− 2·60	3·58	4·39	−0·81	0·18	Srinagar.
21	9	0	0	0	0	0	0	0	Calm		0·1			(a)						3·9	−2·2	4	8·2	− 4·2	1·42	2·73	− 1·31	4·06	4·44	− 0·38	0·45	Dras.
18	5	7	0	0	1	0	0	0	N 29° E	S 13° W	1·7	0·7	+1·0	33	− 5	63‖	+ 8	·045‖	+·004	4·4	−2·3	1	1·1	− 0·1	0·29	0·37	− 0·08	0·43	0·54	− 0·11	0·13	Leh.
31	0	0	0	0	0	0	0	0	Calm		0			(a)		52	−44	·036	−·070	3·0	−3·7	1	2·2	− 1·2	0·13	0·78	− 0·65	0·26	1·10	− 0·34	0·13	Skardu.
29	0	0	0	0	0	1	0	0	S 45° W		0·1			3		69	+ 4	·130	−·010	2·3	−5·0	0	0·7	− 0·7	0·03	0·21	− 0·18	0·24	0·32	+ 0·02	0·03	Gilgit.

† Mean of 28 days.
* 1 Wind less.
‡ Mean of 16 days.
‖ " " 30 "
§ Mean of 18 days.
** Wind observations for 16 days.
(a) Indeterminate.

Table

(2) Abstract of observations taken at 8 hrs. at 215 stations

Number of sub-division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	Baluchistan.																						
15	Fort Sandeman	4,614	25·520		25·489	25·611	17th	25·482	29th	·129	33·4	71·2		28·6		49·9		42·6	77·5	12th	24·3	8th	53·2
	Quetta	5,502	24·749	+·055	24·709	24·861	17th	24·620	31st	·241	27·7	53·7	+2·8	25·7	−3·0	39·7	−0·1	26·0	62·1	19th	20·7	15th & 18th.	41·4
	Chaman	4,311	25·844	+·080	25·806	25·945	17th	25·704	31st	·241	38·0*	56·9*	+4·4*	30·9†	−4·6†	40·2†	−0·1	26·0	69·8	18th	25·0	1st	44·8
	Kalat	6,630	23·822		23·784	23·924	17th	23·729	31st	·195	24·3	52·3	+1·6	22·1	+0·6	37·2	+1·1	30·2	61·0	10th	15·8	18th	45·2
	Dalbandin	2,772	27·306		27·269	27·425	17th	27·109	30th	·316	36·3	64·6		31·5		48·1		33·1	74·3	30th	20·5	5th	53·8
	Pasni		30·178		30·138	30·291	18th	30·015	30th	·276	61·8	77·5		53·6		65·5		23·9	89·4	26th	45·8	8th	43·6
	Panjgur		26·907		28·865	27·017	17th	26·715	31st	·302	38·8	64·5		36·4		50·4		28·1	74·0	29th	31·2	17th	42·8
	Robat		27·028		26·986	27·139	16th	26·863	31st	·276	44·3	66·0		41·2		53·6		24·8	79·4	29th	30·8	2nd	48·6
	Hill stations, excluding Kashmir and Baluchistan.																						
	Para Chinar	6,000	24·543	+·052	24·519	24·649	18th	24·458	4th	·191	36·7	55·5	+5·8	29·6	+0·9	42·5	+3·3	25·9	61·8	23rd	22·5	3rd	39·3
	Cherat	*4,956*	25·862	+·094	25·830	26·005	18th	25·718	2nd	·287	44·4	54·2	+4·8	39·6	+1·0	46·9	+2·9	14·6	61·8	22nd	32·5	8th	29·2
	Drosh (c)		25·291			25·450	18th	25·200	1st, 8th & 30th	·250	38·9	52·8	+4·0	36·6	+6·0	44·7	+5·0	16·2	57·9	24th	31·8	8th	26·1
	Murree	6,338	23·941	+·089	23·909	24·066	18th	23·854	8th	·212	41·5	48·5	+2·1	38·1	+3·7	43·3	+2·9	10·4	57·9	11th	29·1	8th	28·8
	Simla	7,232	23·185	+·090	23·147	23·275	23rd	23·061	8th	214	40·6	48·6	+2·9	37·4	+2·3	43·0	+2·6	11·2	56·1	11th	26·3	8th	27·8
	Sarain		23·212	+·047	23·174	23·302	23rd	23·120	8th	·182	30·0	45·9	+0·6	27·9	+0·6	36·9	+0·6	18·0	51·2	13th	23·0	14th	28·2
	Kalabagh																						
	Chakrata	7,022																					
	Mukteswar	7,592									42·5	52·4	+2·6	38·1	+2·8	45·2	+2·7	14·3	62·0	24th	30·2	9th	31·8
	Darjiling	7,376	23·019	−·046†	22·974	23·118	17th	22·931	9th	·187	41·0	51·7	+5·1	38·3	+3·9	45·1	+4·5	13·1	59·2	12th	35·7	10th	23·5
	Shillong	4,920	25·264	+·074	25·216	25·354	17th	25·200	8th	·154	51·3	62·4	+1·8	41·4	+2·9	51·9	+2·3	21·0	66·9	13th & 14th.	35·7	14th	31·2
	Cherrapunji	4,309	25·817	+·067	25·768	25·919	17th	25·749	3rd & 9th.	·170	54·1	62·3	+2·9	48·0	+2·3	55·1	+2·6	14·3	69·5	14th	44·1	3rd & 6th	25·4
	Maymyo	3,536	26·580	+·080	26·525	26·678	17th	26·518	9th	·160	47·7	71·3	+0·5	41·7	+3·0	56·5	+1·7	29·6	75·8	15th	36·7	8th	39·1
	Pachmarhi	3,528	26·611	+·054	26·558	26·678	23rd	26·529	27th	·149	60·7	72·2	+0·5	49·4	+1·9	60·8	+1·2	22·8	77·2	26th	35·1	10th	42·1
	Mount Abu	3,945	26·177	+·050	26·127	26·236	11th	26·112	31st	·124	56·9	65·3	−0·6	50·2	−0·8	57·7	−0·7	15·1	71·8	23rd	45·4	8th	26·4
	Mercara	3,781	26·314	+·024	26·247	26·381	18th	26·254	31st	·127	62·8	77·9	+0·1	57·5	+0·5	67·7	+0·3	20·4	82·0	16th	52·0	1st	30·0
	Ootacamund	*7,327*	23·131	+·046	23·067	23·188	18th	23·080	31st	·108	55·4	66·9	+2·0	45·9	+2·7	56·4	+2·3	21·0	71·5	9th	37·7	12th	33·8
	Kodaikanal	7,688	22·896	+·031	22·831	22·968	18th	22·851	31st	·117	55·4	65·9	+2·9	49·2	+2·1	57·5	+2·5	16·7	73·7	9th	42·3	12th	31·4
	Extra India.																						
	Singapore (a)	10	29·917	−·043	29·848	30·013	17th	29·829	10th	·184	81·0	86·5	−0·4	74·0	+1·0	80·3	+0·3	12·5	91·0	1st	70·5	25th	20·5
	Penang (a)	17	29·940	+·015	29·881	29·995	18th	29·864	28th	·131	81·1	90·2	+0·9	73·1	−0·2	81·7	+0·3	17·1	92·0	5 days	70·0	16th	22·0
	Trincomalee	99	29·921	+·021	29·949	29·991	18th	29·874	3rd	·117	76·8	82·4	−1·0	75·0	+0·7	78·7	−0·1	7·4	88·6	31st	70·0	29th	18·6
	Colombo	24	29·980	+·020	29·928	30·060	18th	29·936	3rd	·124	73·8	86·7	−0·9	72·3	+0·1	79·5	−0·4	14·4	91·1	25th	66·3	30th	24·8
	Hambantota	64	29·941		29·831	30·031	18th	29·894	1st	·137	74·1	84·2		73·5		78·9		10·7	86·8	1st	68·9	31st	17·9
	Minicoy	7	30·026	+·041		30·103	18th	29·971	31st	·132													
	Amini Divi	*13*	30·020	+·021	29·961	30·107	18th	29·969	31st	·138	81·8	88·8	+3·4	76·4	+2·2	82·6	+2·8	12·4	90·3	25th	70·8	2nd	19·5
	Gyantse	13,120	18·477		15·438	18·662	14th	18·291	10th	·371	20·0	43·4							55·0	15th			
	Pharijong	14,400									14·2												
	Gangtok	5,667	24·558	+·046	24·513	24·646	17th	24·479	13th	·167	48·2	61·7	+4·2	42·8	+10·6	52·2	+7·4	18·9	66·5	12th & 13th.	40·2	4 days	26·3
	Gartok (c)	15,100																					

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. * Mean of 30 days.
(c) Aneroid corrected. † " " 11 "

B—*continued.*

in India, etc., in January, 1915—*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., 1914 to 31st Jany., 1916.	Normal rainfall for period, 1st Dec. to 31st January.	Departure from normal of period, 1st Dec., 1914 to 31st Jany., 1915.	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
																																Baluchistan.
28	1	0	0	0	0	0	1	1	N 45° W		0·5			10		64		·123		1·1		1			0·10			0·90			0·10	Fort Sandeman.
18	1	2	2	3	2	2	0	3	S 63° E	N 13° W	2·0	2·1	−0·1	7	+ 2	87‖		·189‖		2·8	−1·0	2	4·5	−2·5	0·43	1·92	−1·49	1·59	2·86	−1·27	0·31	Quetta.
2	0	1	15	9	2	2	0	0	S 67° E	S 58° E	3·5	5·0	−1·5	73	+16	59‡	−12	·137‡	−·041	2·5	−2·5	2	3·8	−1·8	0·65	1·38	−0·73	1·09	2·50	−1·41	0·40	Chaman.
30	0	0	0	0	1	0	0	0	S	S 30° W	3·6			3	−46	?		?		2·8		0	3·1	−3·1	0	1·17	−1·17	0	2·35	−2·35	0	Kalat.
7	7	12	2	1	0	0	1	1	N 31° E		3·2			59		55*		·119*		2·8		1			0·22			0·28			0·22	Dalbandin.
2	6	1	2	0	0	0	10	10	N 46° W		5·0			66		76		·416		2·4		1			1·27			1·27			1·27	Pasni.
3	3	17	8	0	0	0	0	0	N 52° E		4·5			82		66		·157		2·8		0			0·12			0·18			0·07	Panjgur.
7	0	0	0	0	0	6	16	2	S 83° W		3·7			72		57		·171		0·9		0			0			0·06			0	Robat.
																																Hill stations, excluding Kashmir and Baluchistan.
31	0	0	0	0	0	0	0	0	Calm		1·2			(a)		67	− 7	·143	−·006	2·5	−1·5	0	4·4	−4·4	0	2·14	−2·14	1·52	3·39	−1·87	0	Para Chinar.
4	19	2	0	0	2	1	0	3	N 4° W	N 12° W	8·0	9·8	−1·8	66	− 4	49	− 8	·139	−·007	2·9	−1·3	0	3·9	−3·9		2·66	−2·66	2·23	4·15	−1·92	0	Cherat.
20	0	1	7	1	2	0	0	0	S 76° E		4·2			27		48	−28	·110	−·041	3·1	−1·1	0	2·6	−2·6	0	0·84	−0·84	0·74	1·86	−1·12	0	Drosh.
14	2	0	9	6	0	0	0	0	S 80° E	S 62° E	3·7	6·6	−2·9	43	− 6	49	−13	·124	−·012	3·1	−1·8	1	6·0	−5·0	0·11	4·08	−3·97	3·82	5·53	−1·71	0·11	Murree.
																47	− 6	·113	−·007	3·2	−1·6	4	4·9	−0·9	3·80	2·64	+1·16	5·07	3·88	+1·19	1·30	Simla.
																90	+ 5	·149	+·004	3·3	−1·2	5	7·3	−2·3	7·59	5·92	+1·67	9·04	8·02	+1·02	2·10	Sanain.
																																Kalabagh.
																																Chakrata.
2	0	4	13	2	1	4	4	1	S 79° E		5·3			33		41	−14	·103	−·023	4·2	+0·4	3	4·1	−1·1	0·73	2·38	−1·65	0·73	3·21	−2·48	0·21	Mukteswar.
29	0	0	0	1	0	0	1	0	S 25° W	S 57° E	0·5	2·7	−2·2	2	−21	78	− 3	·199	+·012	4·7	+0·6	0	1·5	−1·5	0·01	0·64	−0·63	0·01	0·86	−0·85	0·01	Darjiling.
30	0	0	0	0	0	1	0	0	S 45° W		0·4			3		71	+ 1	·268	+·050	3·3	+1·9	2	0·7	+1·3	0·68	0·26	+0·42	1·03	0·45	+0·58	0·25	Shillong.
9	4	8	4	0	0	3	3	0	N 31° E		2·9			30		76	+ 4	·311	+·040	3·7	+1·8	1	1·3	−0·3	0·42	0·38	+0·04	1·12	0·62	+0·50	0·28	Cherrapunji.
31	0	0	0	0	0	0	0	0	Calm		0·9			(a)		97	+ 9	·329	+·014	1·6	−0·2	0	0·3	−0·3	0	0·07	−0·07	1·59	0·53	+1·06	0	Maymyo.
5	1	1	3	10	7	2	1	1	S 30° E	S 3° E	2·7	2·6	+0·1	49	+31	62	+ 1	·327	+·035	1·6	−0·3	1	1·3	−0·3	0·20	0·62	−0·42	0·37	1·18	−0·81	0·20	Pachmarhi.
13	1	9	0	1	0	2	2	3	N 12° E	N 2° W	4·1	3·8	+0·3	23	+ 5	42	− 1	·197	+·001	2·2	+0·3	1	0·7	+0·3	0·67	0·29	+0·38	0·67	0·45	+0·22	0·67	Mount Abu.
4	1	13	13	0	0	0	0	0	N 66° E	N 74° E	3·7	3·6	−0·5	79	+ 5	84	+ 5	·475	+·033	5·1	+1·0	1	0·3	+0·7	0·73	0·17	+0·56	2·04	1·02	+1·02	0·73	Mercara.
5	0	1	6	13	5	0	1	0	S 48° E		2·7			62		60	+ 4	·261	+·034	4·8	+2·4	3	1·8	+1·2	0·85	2·07	−1·22	3·12	4·35	−1·23	0·40	Ootacamund.
0	5	6	9	8	0	0	0	3	N 71° E		5·1			59		53	− 5	·225	−·011	3·6	+0·6	4	4·4	−0·4	1·79	3·22	−1·43	13·57	7·31	+6·26	0·47	Kodaikanal.
																																Extra India.
11	7	7	0	0	0	0	1	5	N 2° E		1·9†			50						6·8	+1·8	18	13·3	+4·7	9·27	10·96	−1·69	16·64	21·65	−5·01	1·33	Singapore.
0	6	6	8	6	0	0	4	1	N 60° E		8·3			43								6	7·0	−1·0	2·70	4·22	−1·52	8·86	11·37	−2·51	1·25	Penang.
6	1	20	2	0	0	2	0	0	N 47° E	N 30° E	5·5	5·6	−0·1	66	+ 1	90	+ 5	·826	+·026	6·7	+2·7	12	7·0	+5·0	6·60	5·48	+1·12	22·12	19·73	+2·39	2·18	Trincomalee.
5	8	16	0	0	0	0	1	1	N 28° E	N 37° E	4·6	6·3	−1·7	72	− 9	91	+11	·757	−·016	8·4	+4·8	3	4·8	−1·8	1·49	3·52	−2·03	6·74	8·94	−2·20	0·77	Colombo.
0	11	19	0	0	0	0	0	1	N 27° E		8·9			92		92		·776		5·3		9			4·77	3·12	+1·65	12·50	8·54	+3·96	1·29	Hambantota.
0	19	9	1	0	1	0	0	1	N 16° E	N 42° E	2·9	4·7	−1·8	84	+19					2·9	−0·3	0	2·8	−2·8	0	1·90	−1·90	10·30	4·96	+5·24	0	Minicoy.
1	16	8	1	0	0	0	0	5	N 7° E		4·8			81		72	− 1	·783	−·001	2·9	−1·1	0	1·0	−1·0	0·01	0·60	−0·59	5·74	1·44	+4·30	0·01	Amini Divi.
7	0	1	8	8	6	0	1	0	S 5° E		6·4			55						1·3		0			0			0			0	Gyantse.
0	2	4	6	9	7	1	2	0	S 55° E		5·8			52		83§		·076§														Pharijong.
30	0	0	0	0	0	0	1	0	W		0·8			3		83	+ 5	·279	+·044	0·6	−2·5	0	2·9	−2·9	0·06	1·00	−0·94	0·06	1·89	−1·83	0·03	Gangtok.
																																Gartok.

* Mean of 30 days.
‖ " " 4 "

† Mean of 28 days.
‡ " " 27 "
§ " " 19 "

(a) Indeterminate.

Table

(2) Abstract of observations taken at 8 hrs. at 215

Number of sub-division.	Station.	Elevation of bar-ometer above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	Extra India—*concld.*																						
	Kashgar (*c*)	4,255	25·742	+·012		25·070	15th	25·470	25th	·600	18·3	38·7	+5·3	14·9	+3·1	26·8	+4·2	23·8	65·1	21st	7·7	17th	57·4
	Kabul		24·329	—·006		24·450	17th	24·240	30th & 31st	·210	28·7	56·0	+12·4	?	?	?	?	?	65·8	28th	?	?	?
	Meshed	3,104	26·382		30·208	27·141	1st	26·509	29th	·632	28·7	56·0	+12·4	23·2	+0·9	39·6	+6·7	32·8	68·9	28th	5·0	2nd	63·9
	Jask	13	30·164	+·075	30·129	30·323	7th	29·945	31st	·378	63·0	77·2	+3·4	61·1	+0·5	69·1	+1·9	16·1	82·3	30th	56·5	9th	25·7
	Muscat	20	30·176	+·062	30·145	30·358	7th	29·945	31st	·413	67·7	77·5	+4·0	65·7	—1·4	71·6	+1·3	11·8	83·3	30th	62·2	9th	21·1
	Bahrein	18																					
	Bushire	14	30·173	+·065	30·199	30·362	19th	29·923	4th	·441	56·0	66·2	+1·8	52·9	+1·5	59·6	+1·7	13·3	75·1	28th	48·0	13th	27·1
	Busrah	25																					
	Kerman (*c*)		24·585			24·770	18th	24·445	30th & 31st.	·325	34·1	62·7		36·0*		52·2*		26·7	74·0	29th	27·8	31st	46·2
	Ispahan (*b*) †	*5,817*	24·329	+·089		24·510	7th	24·140	31st	·370	30·7	51·9	+4·6	28·8	+5·0	40·3	+4·8	23·1	65·4	29th	23·9	4th & 5th	41·5
	Tehran (*b*) †	*4,002*	25·840	—·060		26·050	19th	25·650	29th	·400	36·7	51·0	+7·4	33·7	+7·8	42·4	+7·5	17·3	62·6	27th	27·7	4th	34·9
	Baghdad	127																					
	Beirut (*a*)																						
	Aden	94	30·025	+·041	30·053	30·111	18th	29·846	31st	·265	74·1	78·3	—1·8	72·0	—0·5	75·1	—1·1	6·3	80·	31st	67·4	10th	13·4
	Zanzibar	72	29·952	+·036	29·950	30·034	18th	29·843	21st	·191	82·1	86·5	+0·4	80·0	+0·6	83·3	+0·5	6·5	88·3	2nd	77·7	5th	10·6

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*) 8½ hrs. observations.
(*b*) Aneroid uncorrected.
(*c*) Aneroid corrected.
† 7 hrs. observations.

* Mean of 6 days.

B—*concluded.*

stations in India, etc., in January, 1915—*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 Dec. 1914 to 31st Jan. 1915.	Normal rainfall for period, 1st Dec. to 31st January.	Departure from normal of period, 1st Dec. 1914 to 31st Jan. 1915.	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 —*concld.*
25	0	0	1	1	2	0	0	2	S 15° E	N 56° W	0·7	0·4	+0·3	4		81		·082		5·5	+0·4	0	0·9	−0·9	0·03	0·20	−0·17	0·21	0·29	−0·08	0·03	Kashgar.
0	0	3	0	4	1	4	12	7	N 88° W	N 82° W				48	+43	91	+12	·144	+·035	1·0	−2·4	0	2·9	−2·9	0	1·36	−1·36	0	1·87	−1·87	0	Kabul.
31	0	0	0	0	0	0	0	0	Calm		0·8			(a)		87	+ 4	·140	+·031	2·4	−2·2	0	1·9	−1·9	0·08	0·76	−0·68	0·70	1·54	−0·84	0·08	Meshed.
0	14	11	2	0	1	0	0	3	N 18° E	N 19° E	5·8	8·8	−3·0	82	+11	65	− 7	·382	−·026	2·4	−1·3	0	2·2	−2·2	0·04	0·79	−0·75	0·15	2·06	−1·91	0·03	Jask.
20	1	0	0	0	0	1	4	5	N 65° W	S 59° W	1·4	3·5	−2·1	30	− 3	61	− 4	·432	−·053	2·9	+0·1	1	1·8	−0·8	0·26	1·08	−0·82	1·14	1·70	−0·56	0·22	Muscat.
																							0·9			0·37			1·18			Bahrein.
12	3	4	3	0	0	1	0	8	N 3° W	N 53° E	5·5	5·8	−0·3	37	−17	83	− 2	·376	+·029	3·7	−0·5	1	4·2	−3·2	0·43	2·68	−2·25	1·61	5·93	−4·32	0·22	Bushire.
																							2·6			1·17			1·99			Busrah.
31	0	0	0	0	0	0	0	0	Calm		0·4			(a)		70		·141		1·1		1			0·17			0·50			0·17	Kerman.
30	0	0	0	0	0	1	0	0	S 45° W	S 79° W	0·9	2·3	−1·4	3	−29	79*		·172*		27	−0·4	1	1·8	−0·8	0·33	0·67	−0·34	0·38	1·46	−1·08	0·24	Ispahan.
6	1	18	3	1	0	0	0	1	N 49° E	N 16° E	2·5	2·1	+0·4	68	+22	65	−14	·139	+·004	2·4	−1·7	1	4·0	−3·0	0·63	1·69	−1·06	2·85	2·97	−0·12	0·44	Tehran.
										N 8° W		2·3											2·2			1·04			2·21			Baghdad.
																																Beirut.
2	2	22	5	0	0	0	0	0	N 50° E	N 80° E	12·6	9·9	+2·7	86	+12	71	− 5	·594	−·057	5·6	−0·3	0	1·0	−1·0	0	0·41	−0·41	0	0·68	−0·68	0	Aden.
1	17	10	3	0	0	0	0	0	N 23° E	N 28° E	6·7	5·7	+1·0	87	+10	79	− 2	·850	−·025	5·9	−0·7	5	5·4	−0·4	1·74	3·37	−1·63	6·11	8·91	−2·80	0·81	Zanzibar.

(a) Indeterminate. * Mean of 9 days.

Table C.—Abstract of observations taken at 8 hrs. at 62 fourth and fifth class stations in India, etc., in January, 1915.

Table

Abstract of observations taken at 8 hrs. at 62 fourth

Number of sub-division.	Station.	Temperature of air.													Wind direction.										
		Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.	Number of winds from: 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.—Assam.																								
4	Balek	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Bishnath	56·8	76·3	+3·5	50·3	+5·4	63·3	+4·5	26·0	80·3	25th	40·1	15th	39·3	...	...	...	...	...	...	...	...	...	...	...
	Borjuli	58·4	77·4	+2·6	49·9	+2·0	63·7	+2·4	27·5	81·3	26th	40·0	15th	41·3	...	...	...	...	...	...	...	...	...	...	...
	Chandkhira	57·2	80·5	+2·6	51·1	+1·8	65·8	+2·2	29·4	84·6	31st	45·0	13th	39·6	...	...	...	...	...	...	...	...	...	...	...
	Doom Dooma	51·7	76·0	+11·9	48·1	+3·0	62·1	+7·5	27·9	80·7	31st	39·5	14th	41·2	...	...	...	...	...	...	...	...	...	...	...
	Dikom	52·4	75·3	+3·8	48·0	+2·6	61·7	+3·2	27·3	80·2	26th	37·6	15th	42·6	...	...	...	...	...	...	...	...	...	...	...
	Golaghat	55·6	73·3	+1·2	49·7	...	61·5	...	23·6	76·3	27th	42·4	14th	39·9	...	...	...	...	...	...	...	...	...	...	...
	Hailakandi	59·1	78·1	+0·8	54·5	+3·8	66·3	+2·3	23·6	82·4	31st	48·8	8th	33·6	...	...	...	...	...	...	...	...	...	...	...
	Jorchat	54·5	75·4	+3·0	51·4	+2·2	63·4	+2·6	24·0	78·9	24th	42·2	16th	36·7	...	...	...	...	...	...	...	...	...	...	...
	Lumding	54·6	74·8	...	50·3	...	62·5	...	24·5	80·7	28th	43·5	14th	37·2	...	...	...	...	...	...	...	...	...	...	...
	Messa	60·7	80·2	+0·9	48·8	+4·2	64·5	+2·5	31·4	86·7	1st	42·1	14th	44·6	...	...	...	...	...	...	...	...	...	...	...
	Panerihat	53·8	78·3	+3·9	45·7	−0·5	62·0	+1·7	32·6	80·2	27th	42·8	15th	37·4	...	...	...	...	...	...	...	...	...	...	...
	III.—Bengal.																								
5	Comilla	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Brahmanbaria	61·3	80·4	+2·7	53·6	+0·7	67·0	+1·7	26·8	85·1	26th	49·7	4th & 14th	35·4	...	...	...	...	...	...	...	...	...	...	...
	Faridpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Goalundo	59·8	79·1	+1·8	51·7	+1·4	65·4	+1·6	27·4	86·5	28th	43·1	4th	43·4	...	...	...	...	...	...	...	...	...	...	...
	Pabna	59·6	80·0	+0·8	55·2	+4·2	67·6	+2·5	24·8	85·0	29th	50·9	4th	34·1	...	...	...	...	...	...	...	...	...	...	...
	Sirajganj	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Rampur Boalia	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Malda	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Rangpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Dam Dim	50·3	89·3	+8·6	45·6	+1·7	67·5	+5·2	43·7	90·4	25th	39·6	18th	50·8	...	...	...	...	...	...	...	...	...	...	...
	Kalchini	65·4	78·4	+3·3	46·9	+1·3	62·7	+2·4	31·5	79·6	31st	43·0	6 days	36·6	...	...	...	...	...	...	...	...	...	...	...
	Nagrakata	62·7	77·4	+3·1	51·8	0	64·6	+1·5	25·6	81·1	4 days	46·0	12th	35·1	...	...	...	...	...	...	...	...	...	...	...
	Cooch Behar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Krishnagar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Bankura	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Raniganj (Asansol)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	IV.—Bihar and Orissa.																								
7	Hazaribagh	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	Bhagalpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Muzaffarpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Motihari	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Chapra	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Arrah	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Dehri	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

C.

and fifth class stations in India, etc., in January, 1915.

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 1914 to 31st January, 1915.	Normal rainfall of period, 1st December to 31st January.	Departure from normal of period, 1st December 1914 to 31st January 1916.		
27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
																					II.—Assam.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Balek.
...	...	...	...	...	90	− 4	·420	+·057	...	...	0	2·8	−2·8	0	1·11	−1·11	0·26	1·36	−1·10	0	Bishnath.
...	...	...	...	...	87	− 4	·425	+·071	...	...	0	1·8	−1·8	0	0·79	−0·79	0·04	0·85	−0·81	0	Borjuli.
...	...	...	...	...	95	+ 1	·445	+·029	...	...	3	2·6	+0·4	0·75	1·32	−0·57	2·03	1·86	+0·22	0·35	Chandkhira.
...	...	...	...	...	94	− 1	·337	+·016	...	...	2	4·2	−2·2	1·11	1·68	−0·57	1·14	2·09	−0·95	0·59	Doom Dooma.
...	...	...	...	...	95	− 1	·377	+·034	...	...	3	4·5	−1·5	0·75	1·48	−0·73	0·79	2·03	−1·24	0·42	Dikom.
...	...	...	...	...	94	+ 2	·416	+·025	...	...	1	3·5	−2·5	0·16	1·07	−0·91	0·18	1·46	−1·28	0·13	Golaghat.
...	...	...	...	...	94	0	·474	+·066	...	...	2	1·8	+0·2	0·72	2·14	−1·42	2·07	2·65	−0·58	0·24	Hailakandi.
...	...	...	...	...	96	+ 1	·410	+·011	...	...	1	2·5	−1·5	0·23	0·85	−0·62	0·23	1·27	−1·04	0·13	Jorehat.
...	...	...	...	...	99	...	·4 7	...	...	...	3	0·9	+2·1	1·39	0·34	+1·05	1·49	0·55	+0·94	0·88	Lumding.
...	...	...	...	...	73	− 5	·390	+ 014	...	...	1	1·4	−0·4	0·25	0·56	−0·31	0·44	0·89	−0·45	0·25	Messa.
...	...	...	...	...	100	+ 5	·415	+·083	...	...	0	1·5	−1·5	0	0·41	−0·41	0*	0·67	−0·67	0	Panerihat.
																					III.—Bengal.
...	...	...	...	...	...	...	...	...	...	...	1	1·0	0	0·41	0·32	+0·09	2·79	0·54	+2·25	0·32	Comilla.
...	...	...	...	...	83	− 4	·448	−·01	...	...	2	1·3	+0·7	0·57	0·37	+0·20	1·97	0·87	+1·10	0·32	Brahmanbaria.
...	...	...	...	...	...	...	...	...	...	...	2	1·1	+0·9	0·55	0·55	0	2·07	0·63	+1·44	0·25	Faridpur.
...	...	...	...	...	81	− 5	·415	+·009	...	...	1	1·3	−0·3	0·10	0·43	−0·33	1·48	0·66	+0·82	0·10	Goalundo.
...	...	...	...	...	88	+ 7	·449	+·039	...	...	0	1·2	−1·2	0·20	0·56	−0·36	0·73	0·75	−0·02	0·09	Pabna.
...	...	...	...	...	...	...	...	...	...	...	0	0·9	−0·9	0·16	0·41	−0·25	0·76	0·50	+0·26	0·07	Sirajganj.
...	...	...	...	...	...	...	...	...	...	...	1	1·0	0	0·33	0·40	−0·07	0·59	0·43	+0·16	0·27	Rampur Boalia.
...	...	...	...	...	...	...	...	...	...	...	0	1·2	−1·2	0·11	0·70	−0·59	0·11	0·72	−0·61	0·07	Malda.
...	...	...	...	...	...	...	...	...	...	...	0	1·1	−1·1	0·02	0·44	−0·42	0·02	0·48	−0·46	0·01	Rangpur.
...	...	...	...	...	96	0	·353	+·024	...	...	2	1·0	+1·0	1·00	0·32	+0·68	1·00	0·51	+0·49	0·90	Dam Dim.
...	...	...	...	...	64	−16	·406	+·011	...	...	0	1·3	−1·3	0	0·48	−0·48	0	0·81	−0·81	0	Kalchini.
...	...	...	...	...	68	−13	·336	+·011	...	...	0	1·5	−1·5	0	0·74	−0·74	0	1·12	−1·12	0	Nagrakata.
...	...	...	...	...	...	...	...	...	...	...	0	0·6	−0·6	0·02	0·16	−0·14	0·13	0·23	−0·10	0·02	Cooch Behar.
...	...	...	...	...	...	...	...	...	...	...	0	1·2	−1·2	0·06	0·57	−0·51	1·05	0·63	+0·42	0·04	Krishnagar.
...	...	...	...	...	...	...	...	...	...	...	0	1·3	−1·3	0·12	0·50	−0·38	0·24	0·59	−0·35	0·09	Bankura.
...	...	...	...	...	...	...	...	...	...	...	0	1·3	−1·3	0·07	0·56	−0·49	0·11	0·65	−0·54	0·04	Raniganj (Asansol).
																					IV.—Bihar and Orissa.
...	...	...	...	...	...	...	...	...	...	...	2	1·6	+0·4	0·37	0·77	−0·40	1·16	0·99	+0·17	0·23	Hazaribagh.
...	...	...	...	...	...	...	...	...	...	...	2	1·2	+0·8	0·32	0·60	−0·28	0·39	0·64	−0·25	0·20	Bhagalpur.
...	...	...	...	...	...	...	...	...	...	...	1	1·3	−0·3	0·19	0·65	−0·46	0·19	0·70	−0·51	0·19	Muzaffarpur.
...	...	...	...	...	...	...	...	...	...	...	0	1·3	−1·3	0	0·57	−0·57	0	0·73	−0·73	0	Motihari.
...	...	...	...	...	...	...	...	...	...	...	1	1·4	−0·4	0·22	0·68	−0·46	0·22	0·81	−0·59	0·22	Chapra.
...	...	...	...	...	...	...	...	...	...	...	2	1·3	+0·7	0·39	0·74	−0·35	0·39	0·91	−0·52	0·25	Arrah.
...	...	...	...	...	...	...	...	...	...	...	2	1·4	+0·6	0·90	0·63	+0·27	0·91	0·86	+0·05	0·50	Dehri.

* Rainfall for December 1914 wanting.

Table

Abstract of observations taken at 8 hrs. at 62 fourth

Number of sub-division.	Station.	Temperature of air.													Wind direction.										
		Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.	Number of winds from: 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
	V.—United Provinces of Agra and Oudh.																								
10	Meerut	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Dehra Dun	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	IX.—Rajputana.																								
18	Udaipur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		...	...	...	...	...	...	...
	XII.—Central Provinces.																								
23	Chhindwara	55·8	78·5	...	50·9	...	64·7	...	27·6	83·5	23rd & 28th.	41·7	10th	41·8	28	0	1	0	0	1	1	0	0	S	...
	XIII.—Hyderabad.																								
	Parbhani	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	XV.—Madras.																								
31	Tinnevelly	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
32	Anantapur	70·8	86·7	...	63·1	...	74·9	...	23·6	92·9	30th	51·1	6th	42·8	...	...	...	...	...	...	...	...	...	...	...
33	Guntur	70·7	81·9	...	65·3	...	75·1	...	19·6	89·4	11th	60·6	31st	28·8	...	...	...	...	...	...	...	...	...	...	...
	Bay Islands.																								
1	Car Nicobar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Kashmir.																								
13	Jammu	50·8	65·5	...	45·2	...	55·4	...	20·3	71·1	24th	40·8	3rd	30·3	0	7	22	2	0	0	0	0	0	N 28° E	...
	Sonamarg	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Kargil	2·4	21·8	...	− 9·6	...	6·2	...	31·5	38·3	3rd	−19·0	16 th	57·3	0	5	0	3	3	13	7	0	0	S 1° E	...
	Baluchistan.																								
15	Harnai	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Hill stations, exclusive of Kashmir.																								
	Panighatta	58·9	76·0	+2·7	55·4	+3·3	65·7	+3·0	20·6	80·1	25th	50·4	10th & 11th.	29·7	...	...	...	...	...	...	...	...	...	...	...
	Kurseong	50·7	58·9	+2·6	47·5	+2·7	53·2	+2·7	11·4	64·3	25th	45·9	8th & 19th.	18·4	...	...	...	...	...	...	...	...	...	...	...
	Gnatong	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Lachung	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Ringim	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Mussooree	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Poo	...	39·3	−0·8	22·5	−0·3	30·9	−0·6	16·8	47·7	19th	17·7	3rd	30·0	25	0	0	0	0	1	0	5	0	S 79° W	...
	Kailang	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Bakloh	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Pishin	...	55·2	+4·0	25·5	+1·2	40·3	+2·6	29·7	64·3	31st	19·0	17th	45·3	...	...	...	...	...	...	...	...	...	...	...

C—*continued.*

and fifth class stations in India, etc., in January, 1915—*continued.*

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, 1914 to 31st January, 1915.	Normal rainfall of period, 1st December to 31st January.	Departure from normal of period, 1st December, 1914 to 31st January, 1915.		
27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
																					V.—United Provinces of Agra and Oudh.
...	...	...	...	...	...	...	...	...	...	...	5	2·3	+2·7	2·81	1·17	+1·64	2·82	1·66	+1·16	1·05	Meerut.
...	...	...	...	...	...	...	...	...	...	...	5	3·8	+1·2	3·34	2·27	+1·07	3·37	3·14	+0·23	1·39	Dehra Dun.
																					IX.—Rajputana.
...	...	...	...	...	...	...	...	...	...	...	1	0·3	+0·7	1·49	0·06	+1·43	1·49	0·17	+1·32	1·49	Udaipur.
																					XII.—Central Provinces.
1·1	...	...	3	...	74	...	·336	...	2·3	...	1	...	...	0·53	...	...	0·97	...	...	0·52	Chhindwara.
																					XIII.—Hyderabad.
...	...	...	...	...	...	...	...	...	...	..	2	0·2	+1·8	1·42	0·05	+1·37	3·28	0·29	+2·99	1·29	Parbhani.
																					XV.—Madras.
...	...	...	...	...	...	...	...	...	...	...	1	2·2	−1·2	0·21	1·35	−1·14	19·46	4·68	+14·78	0·11	Tinnevelly.
...	...	...	...	...	73	...	·552	...	3·8	...	1	0·1	+0·9	0·17	0·04	+0·13	0·17	0·20	−0·03	0·17	Anantapur.
...	...	...	...	...	89	...	·671	...	3·5	...	3	0·4	+2·6	1·40	0·32	+1·08	1·40	0·84	+0·56	1·00	Guntur.
																					Bay Islands.
...	...	...	...	...	...	...	...	...	...	...	10	4·5	+5·5	10·45	3·80	+6·65	21·49	10·71	+10·78	2·35	Car Nicobar.
																					Kashmir.
...	...	...	94	...	78	...	·289	...	2·5	...	3	4·2	−1·2	0·93	3·01	−2·08	2·06	4·21	−2·15	0·40	Jammu.
...	...	...	...	...	...	...	...	...	...	...	4	12·2	−8·2	5·86	11·50	−5·64	16·45	17·37	−0·92	2·85	Sonamarg.
...	...	...	48	...	?	...	?	...	3·9	...	4	3·9	+0·1	0·71*	1·26	−0·55	2·53	1·90	+0·63	2·22	Kargil.
																					Baluchistan.
...	...	...	...	...	...	...	...	...	...	...	0	2·3	−2·3	0	1·03	−1·03	1·38	1·77	−0·39	0	Harnai.
																					Hill stations, exclusive of Kashmir.
...	...	...	...	...	71	+ 2	·354	+·016	...	...	1	0·8	+0·2	0·50	0·35	+0·15	0·50	0·79	−0·29	0·50	Panighatta.
...	...	...	...	...	83	+ 7	·305	+·058	...	...	0	1·5	−1·5	0·07	0·49	−0·42	0·07	1·11	−1·04	0·07	Kurseong.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Gnatong.
...	...	...	...	...	...	...	...	...	...	...	1	...	...	0·13	...	...	1·70	...	...	0·10	Lachung.
...	...	...	...	...	...	...	...	...	...	...	1	...	...	0·20	...	...	0·39	...	...	0·10	Ringim.
...	...	...	...	...	...	...	...	...	...	...	4	4·3	−0·3	4·84	2·73	+2·11	4·99	3·73	+1·26	2·10	Mussoorce.
...	...	...	16	...	...	...	...	...	3·5	−1·8	6	5·3	+0·7	1·50	1·95	−0·45	2·44	2·78	−0·34	0·53	Poo.
...	...	...	...	...	...	...	...	...	...	...	6	5·3	+0·7	1·77	2·81	−1·04	4·58	3·81	+0·77	0·39	Kailang.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Hakloh.
...	...	...	...	...	...	...	...	...	2·2	...	2	3·6	−1·6	0·61	1·56	−0·95	1·50	2·83	−1·33	0·42	Pighin.

* Snow water.

Table

Abstract of observations taken at 8 hrs. at 62 fourth

Number of sub-division.	Station.	Temperature of air.													Wind direction.										
		Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.	Number of winds from									Resultant direction.	Normal direction.
															Calm.	N.	N. E.	E.	S. E.	S.	S. W.	W.	N. W.		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
	Extra India.																								
	Ahwaz (g)	...	60·6	...	48·7	...	54·7	...	11·9	72·4	27th	41·2	4th	31·2	...	...	...	...	...	...	...	...	...	...	...
	Chumbi	29·4	51·0	...	...	...	...	...	...	59·8	3rd	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Kirmanshah	30·1	40·4	...	24·5	...	32·5	...	15·9	58·5	27th	11·0	8th	·5	...	...	...	...	...	...	...	...	...	...	...
	Koweit	...	55·3	...	51·8	...	53·5	...	3·5	63·4	27th	45·2	7th & 13th	18·2	1	2	0	7	0	0	1	20	0	N 86° W	...
	Muhammerah	...	67·4	...	48·5	...	57·9	...	18·9	75·6	28th	42·8	19th	32·8	0	0	0	0	4	0	0	0	24	N 45° W	...
	Pemba	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Prison Island	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Seistan	...	62·6	...	34·5	...	48·5	...	28·1	78·0	29th	25·0	2nd & 4th	53·0	0	10	3	3	0	4	0	0	5	N 18° W	...

(g) Mean of 27 days.

C—*concluded.*

and fifth class stations in India, etc., in January, 1915—*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, 1914 to 31st January, 1915.	Normal rainfall of period, 1st December to 31st January.	Departure from normal of period, 1st December, 1914 to 31st January, 1915.		
27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
																					Extra India.
...	...	...	...	...	...	...	...	...	5·1	...	2	...	...	0·43	...	...	1·74	...	...	0·25	Ahwaz.
...	...	...	...	...	82*a*	...	·132*a*	...	...	...	0	...	...	0	...	...	0	...	...	0	Chumbi.
...	...	...	...	...	94	...	·162	...	...	...	9	...	...	3·18*	...	...	6·72	...	...	0·73	Kirmanshah.
...	...	...	45	...	...	...	...	...	3·0	...	1	...	...	0·23	...	...	0·52	...	...	0·13	Koweit.
...	...	...	65†	...	...	...	...	...	...	...	1	...	...	0·20	...	...	0·40	...	...	0·20	Muhammerah.
...	...	...	...	...	...	...	...	...	...	...	3	5·4	−2·4	1·82	2·93	−1·11	7·36	10·29	−2·93	0·58	Pemba.
...	...	...	...	...	...	...	...	...	...	...	...	5·0	...	...	2·53	...	...	8·20	...	...	Prison Island.
5·0	...	...	42	...	...	...	...	...	...	...	0	...	...	0·09	...	...	0·16	...	...	0·09	Seistan.

a Mean of 28 days. * Rain and snow water. † 3 Winds variable.

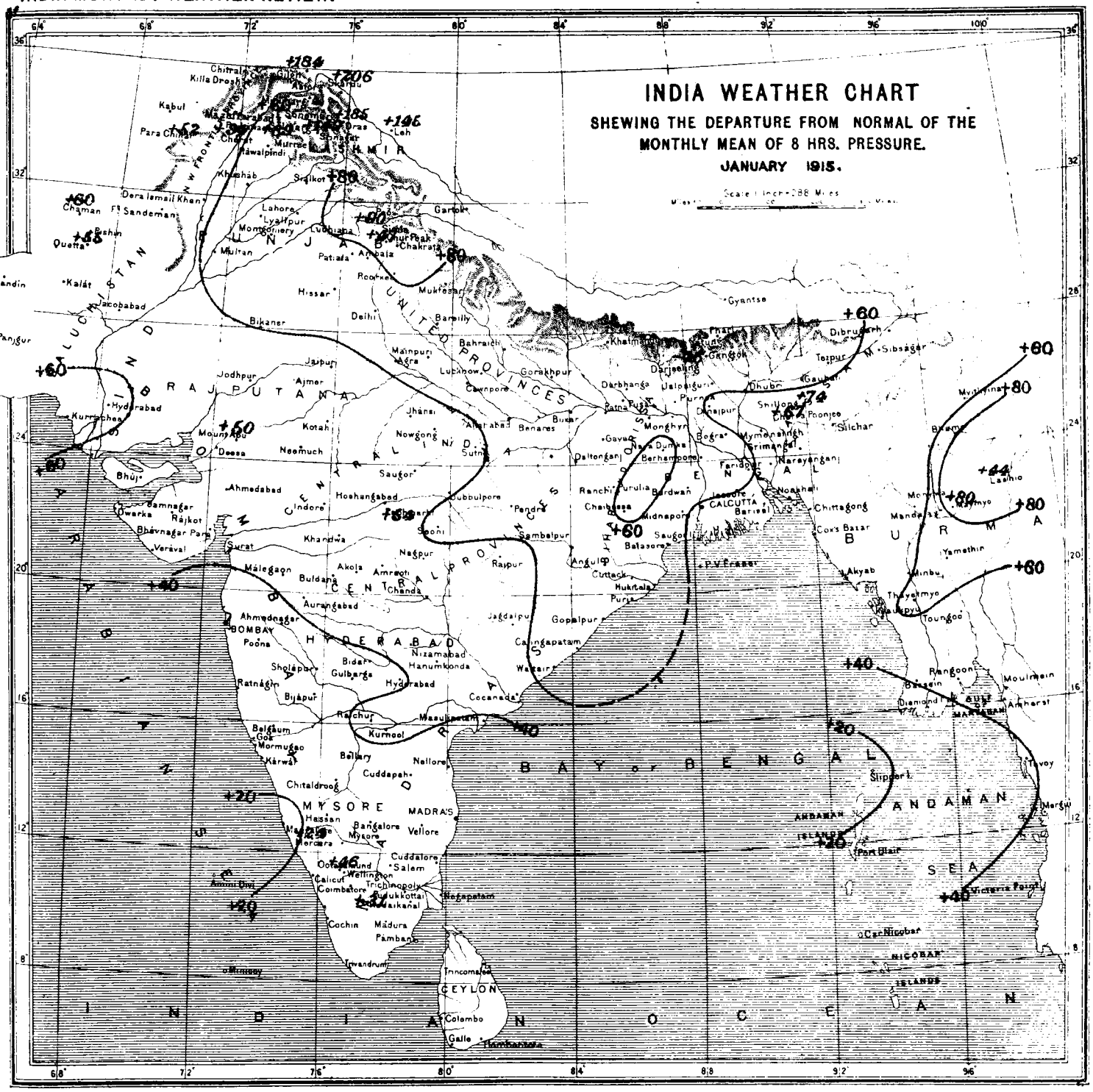
CALCUTTA
SUPERINTENDENT GOVERNMENT PRINTING, INDIA
8, HASTINGS STREET

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

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

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

Wind strengths are based on factor 2·2 for the standard type of Beckley Robinson anemograph, instead of 3·0 as used for this plate up to December 1911 inclusive.



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.

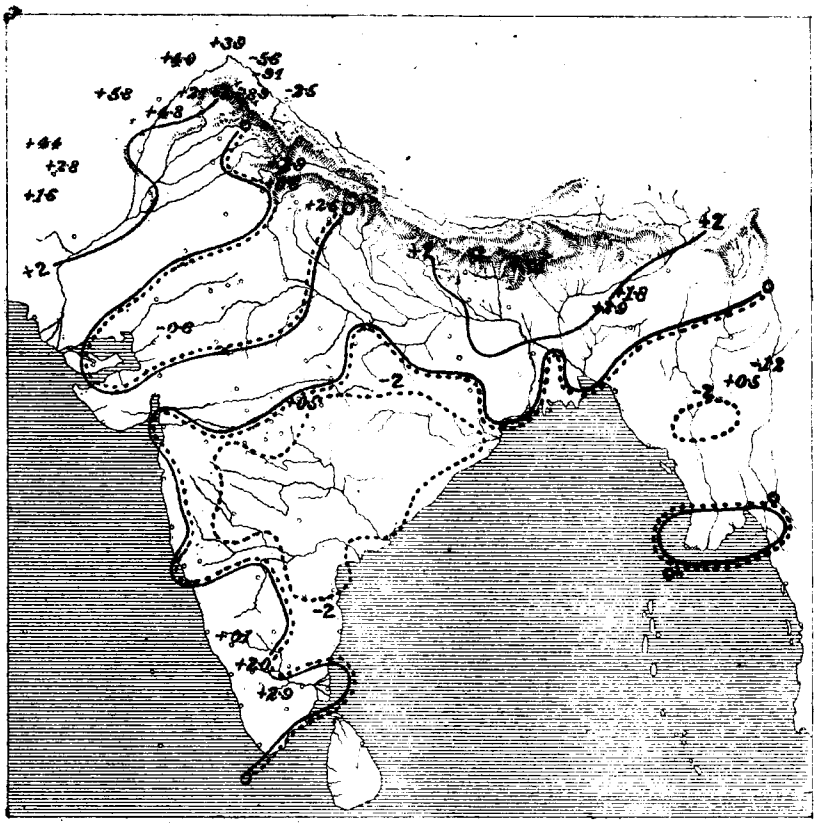


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MINIMUM TEMPERATURE.

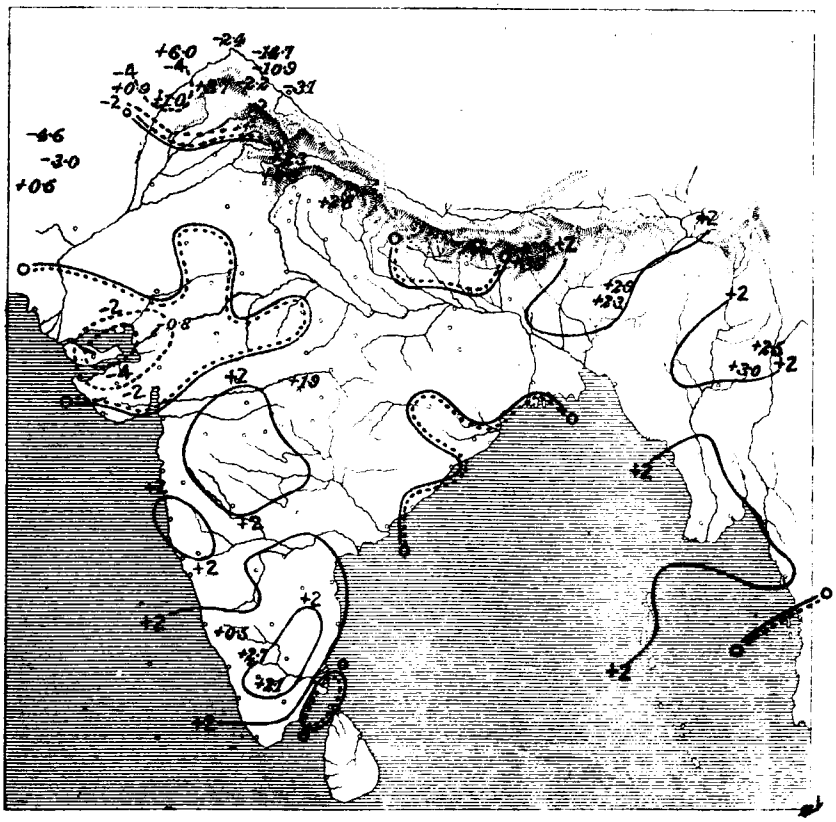


CHART SHEWING THE DEPARTURE FROM NORMAL
OF THE MONTHLY MEAN OF DAILY
MEAN TEMPERATURE.

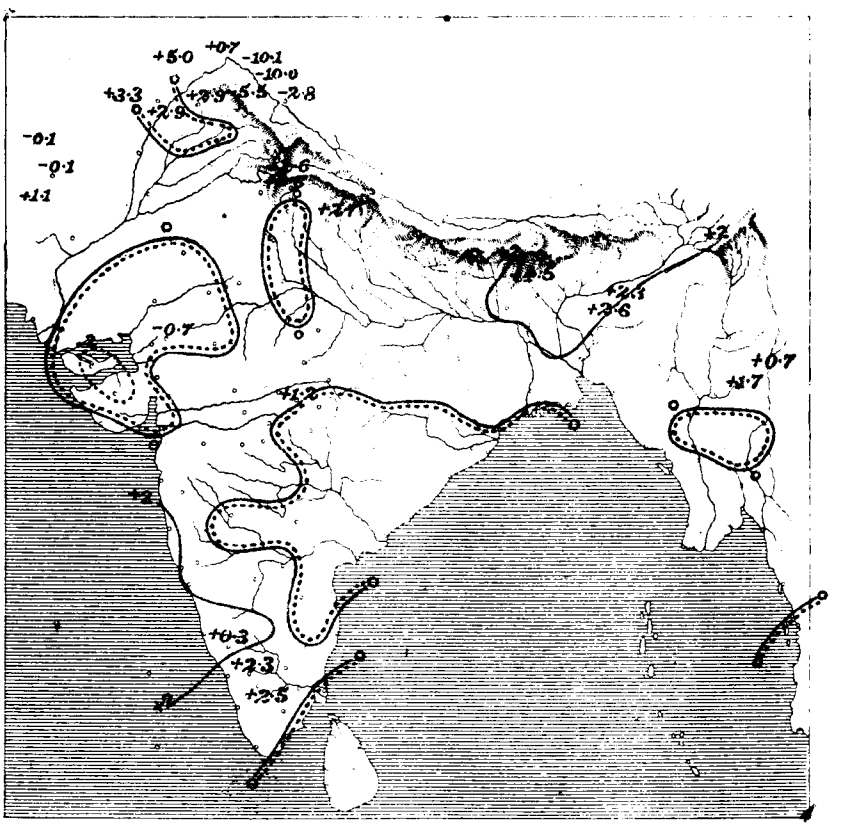


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF ABSOLUTE HUMIDITY AT 8 HRS.

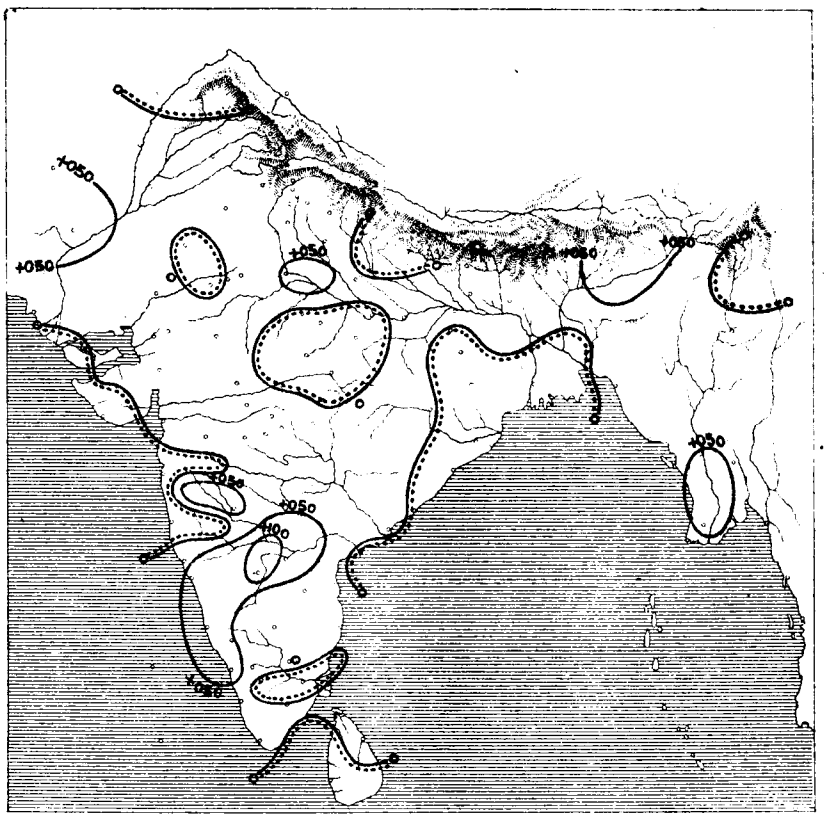


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF RELATIVE HUMIDITY AT 8 HRS.

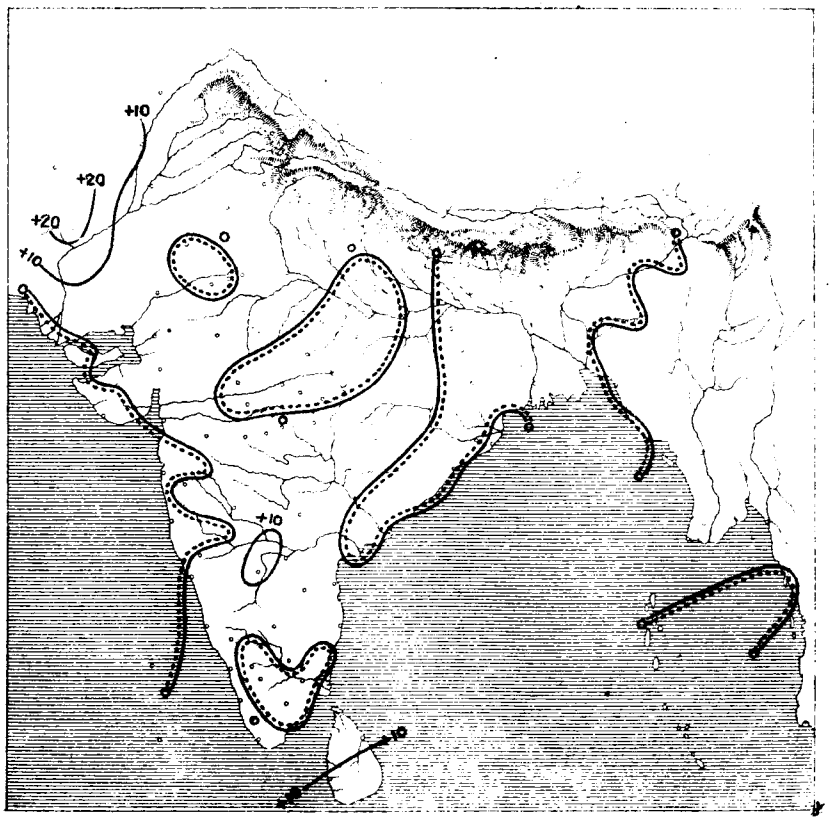


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF CLOUD AMOUNT AT 8 HRS.

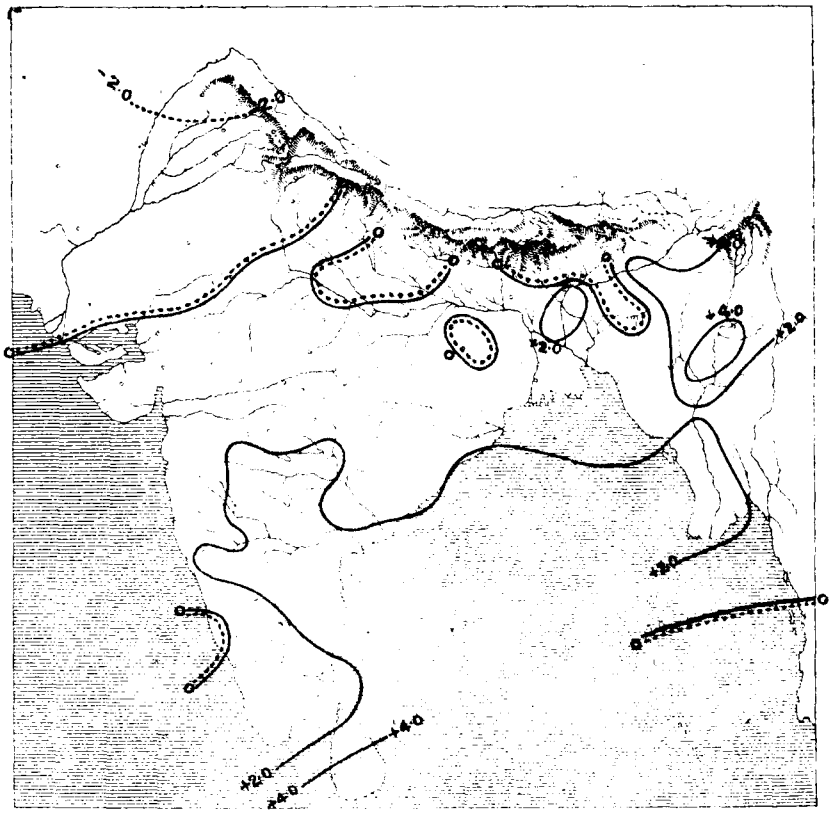
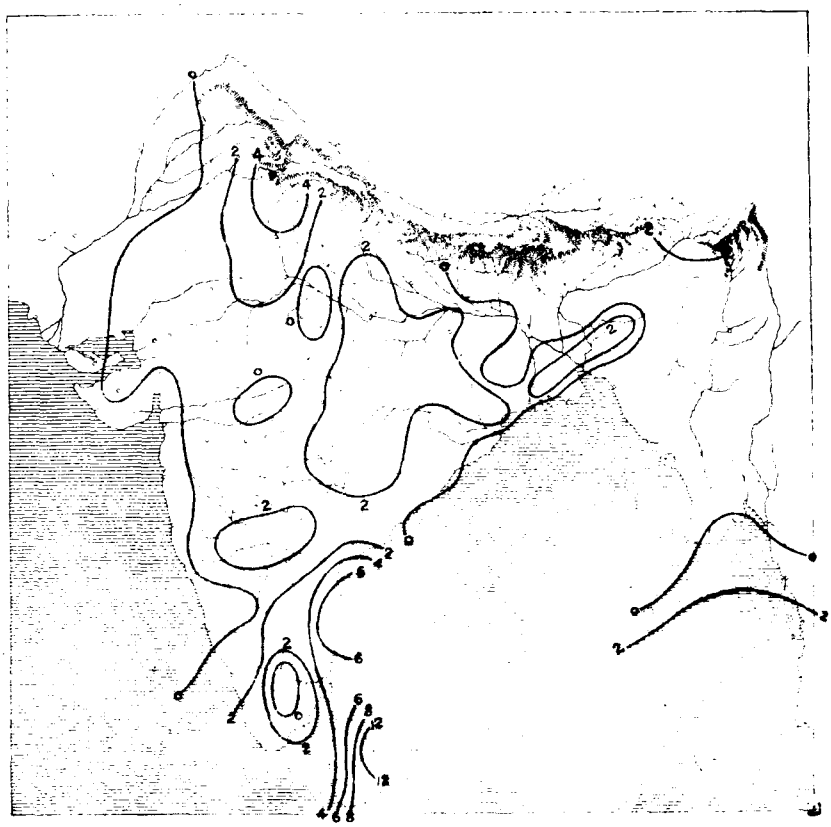
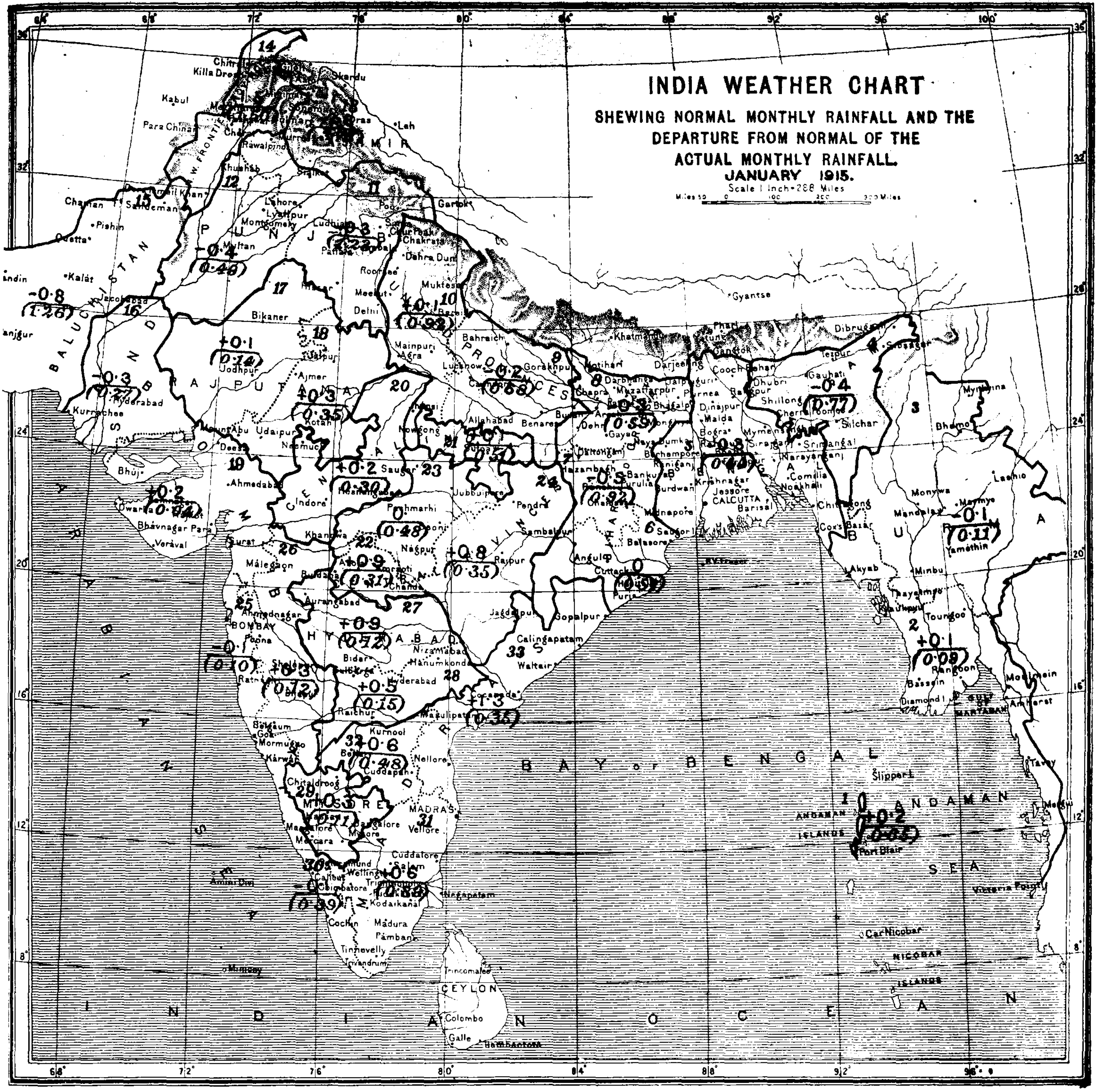


CHART SHEWING THE TOTAL NUMBER OF DAYS IN THE MONTH ON WHICH RAINFALL EQUALLED OR EXCEEDED 0·10 INCH.

(BASED ON THE RETURNS OF TABLE B.)





The country is divided into 33 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. Bengal
6. Orissa
7. Chota Nagpur
8. Bihar
9. United Provinces, East
10. United Provinces, West
11. Punjab, East and North
12. Do., Southwest
13. Kashmir
14. Northwest Frontier Province
15. Baluchistan
16. Sind
17. Rajputana, West
18. Rajputana, East
19. Gujarat
20. Central India, West
21. Do., East
22. Berar
23. Central Provinces, West
24. Do., East
25. Konkan
26. Bombay, Deccan
27. Hyderabad, North
28. Hyderabad, South
29. Mysore
30. Malabar
31. Madras, Southeast
32. Madras, Deccan
33. Madras Coast, North

India. On the 26th it was supplemented by a slight depression over Gujarat, and under their combined influence extensive and locally heavy rainfall occurred in the Central Provinces, north Hyderabad, the Bombay Deccan, Mysore and the south of Madras. The passing away of these conditions coincided with the appearance of a slight disturbance over Persia: this was transmitted eastwards across northern India between the 27th and the 30th. It was, however, a wave of low pressure rather than a definite depression and exerted no marked influence on the weather beyond causing light precipitation along the Himalayas.

Pressure.

10. Barometric pressure at the level of the plains was in defect in the North-West Frontier Province, the southern Punjab, Rajputana, the east of the United Provinces, Bihar, Bengal, Assam and the greater part of Burma, and above normal generally elsewhere. The departures, both negative and positive, were in general of small magnitude, only in a few places exceeding ·020″. On the average of all the recording stations in the plains there was an excess of ·002″.

Pressure in Kashmir and the Punjab was in greater excess at the hill stations than in the plains, so that the vertical gradient was not as steep as usual. Opposite conditions obtained in Baluchistan and the Central Provinces. In Bengal, Rajputana and the south of the Peninsula vertical gradients closely coincided with their usual values.

TABLE 8.

DIVISION.	Departure from normal of mean 8 hrs. pressure.
	″
Burma	—·009
Assam	—·011
Bengal	—·002
Bihar and Orissa	+·003
United Provinces	+·001
Punjab	0
North-West Frontier Province	—·013
Sind	+·007
Rajputana	—·009
Bombay	+·007
Central India	+·002
Central Provinces	+·008
Hyderabad	+·013
Mysore	+·013
Madras	+·011

TABLE 9.

HILL STATION.	Departure from normal pressure. A	PLAIN STATION.	Departure from normal pressure. B	Departure of pressure difference B—A.
	″		″	″
Quetta	—·009	Jacobabad	+·014	+·023
Leh	+·025	Lahore	+·001	—·024
Murree	+·025	Peshawar	—·007	—·032
Simla	+·022	Ludhiana	+·004	—·018
Darjiling	+·004	Dhubri	—·003	—·007
Mount Abu	+·010	Deesa	+·007	—·003
Pachmarhi	—·019	Khandwa	+·012	+·031
Kodaikanal	+·003	Madura	+·001	—·002

Temperature.

11. The mean temperature of the month differed to no great extent from the normal except on the southern coast of Burma from Rangoon to Mergui where a defect of about 3° was recorded, due principally to the lowness of maximum temperature.

Charts of maximum and minimum temperatures for the month present very similar features, the only important difference occurring in Baluchistan, the North-West Frontier Province, and the north Punjab, where the former was rather high and the latter appreciably low.

An interesting feature of the temperature conditions o the month in the extreme north of India was the frequen. inversion at night of the normal temperature relations between the hills and plains, with the result that on the mean of the month Murree was 6° warmer at night than Rawalpindi, and Cherat 7° warmer than Peshawar.

The lowest temperature observed in the plains was 28° registered at Peshawar on the early morning of the 22nd.

PUBLICATIONS OF THE INDIA METEOROLOGICAL DEPARTMENT

Other than those out of print.

(For complete list, inclusive of those publications which are out of print, see these Reviews prior to January, 1909, or the Annual Summaries, from 1906 onwards.)

The Indian Meteorologist's *Vade Mecum*, Part I, 2nd Edition (1883) . . . . . Price Rs. 3	Henry F. Blanford.
Instructions to Observers of the India Meteorological Department, 2nd Edition. (1902) . . . Price Rs. 3	Sir John Eliot.
Handbook of Cyclonic storms in the Bay of Bengal for the use of sailors, 2nd Edition, Vol. I—Text. (1900) Price Rs. 4	Ditto.
Handbook of Cyclonic storms in the Bay of Bengal for the use of sailors, 2nd Edition, Vol. II—Plates. (1901) . . Price Re. 1-8	Ditto.
Cyclone Memoirs, Part II—Bay of Bengal Cyclone of August 21st to 28th, 1888. (1890) . . . Price Rs. 3	Ditto.
Cyclone Memoirs, Part III—Bay of Bengal Cyclones of September 13th to 20th, and October 27th to 31st, 1888, and Arabian Sea Cyclone of November 6th to 9th, 1888. (1890) . . . . . Price Rs. 5	Ditto.
Cyclone Memoirs, Part IV—An enquiry into the nature and course of storms in the Arabian Sea and a catalogue and brief history of all recorded storms in the Arabian Sea from 1848—1889. (1891) . . . Price Rs. 3	W. L. Dallas.
Monthly weather charts of the Arabian Sea and the adjacent portion of the North Indian Ocean, showing mean pressure, winds and currents. (1888) . . Price Rs. 5	Sir John Eliot.
Charts of the Bay of Bengal and adjacent sea north of the Equator, showing the specific gravity, temperature and currents of the sea surface. (1887) . Price Re. 1-8	W. L. Dallas.
Climatological Atlas of India (1906) . Price Rs. 27 or 36 shillings	Sir John Eliot.
Meteorological Atlas of the Indian seas and the North Indian Ocean. (1908) . Price Rs. 13 or 17 shillings 6 pence	W. L. Dallas.
Tables for the reduction of Meteorological Observations in India. (1910) . . . . Price Rs. 2	G. C. Simpson.
Reports on the Meteorology of India for the years 1875—1890 (16 volumes)* . . . . . Price each Rs. 10	Departmental.
Rainfall of the Bombay Presidency for years previous to 1891, Vol. I (1910) . . Price Rs. 6-12 or 10 shillings	Ditto.
Rainfall of the Bombay Presidency for years previous to 1891, Vol. II (1912) . . Price Rs. 6-12 or 10 shillings	Ditto.
Rainfall data of India for 1908 to 1911 . Price each Rs. 5	Ditto.
Annual Rainfall of India for 1907 to 1913	Ditto.
India Weather Review—Annual Summaries for the years 1891—1913 (23 parts)† . . . Price each Rs. 3	Ditto.
Monthly Weather Reviews for each month, January, 1891, to February, 1915‡ . . . Price each part Re. 1	Ditto.
Indian Meteorological Memoirs, Vol. I, containing :—	
Part III, comprising—	
Variation of rainfall in Northern India	S. A. Hill.
Meteorological and hypsometrical observations in Western Tibet, recorded by Dr. J. Scully, with a discussion . . Price Rs. 3	Henry F. Blanford.
Part IV, comprising—	
The winds of Karachi . . . . Price Rs. 3	Fred. Chambers.
Part V, comprising—	
Some results of the meteorological observations taken at Allahabad during the 10 years 1870—79 . . .	S. A. Hill.
The diurnal variations of the barometer at Indian stations, Part II, Goalpara, Patna and Leh . . Price Rs. 3	Henry F. Blanford.
Part VI, comprising—	
The Meteorology of the North-West Himalaya . Price Re. 1	S. A. Hill.
Indian Meteorological Memoirs, Vol. II, containing :—	
Part I, comprising—	
Account of the south-west monsoon storm of the 18th to the 24th of September, 1878, in the north of the Bay of Bengal	Sir John Eliot.
List of cyclones on the West Coast of India and in the Arabian Sea up to the end of year 1881 . Price Rs. 2	Fred. Chambers.
Part II, comprising—	
Note on the foregoing list of cyclones and on the Gujarat land cyclone of July 11th to 13th, 1881	Henry F. Blanford.
On the temperature of North-Western India . Price Rs. 2	S. A. Hill.
Part III, comprising—	
Account of the south-west monsoon storm of the 8th to the 19th October, 1882, in the Bay of Bengal . Price Rs. 2	Sir John Eliot.
Part IV, comprising—	
Account of south-west monsoon storms generated in the Bay of Bengal during the years 1877 to 1881 . Price Rs. 2	Ditto.
Part V, comprising—	
Observations of temperature and humidity at a height of 40 feet above the ground at Alipore Observatory, Calcutta. Price Re. 1	S. A. Hill.
Indian Meteorological Memoirs, Vol. IV, containing :—	
Part V, comprising—	
The cyclonic storms of November and December, 1886, in the Bay of Bengal	Sir John Eliot.
The cyclone of the 25th May to the 2nd June, 1881, in the Arabian Sea . . . . . Price Rs. 3	Fred. Chambers.
Indian Meteorological Memoirs, Vol. VII, containing :—	
Hourly observations of pressure, temperature, vapour tension, humidity, cloud, wind direction and velocity of wind taken at Trivandrum during the years 1853 to 1864. Complete in 7 parts . . Price each part Re. 1-8	Sir John Eliot.

* Copies for the years 1876, 1878 to 1881, 1884, 1887 and 1890 are out of print.

† Copies for the years 1891 to 1905 are out of print.

‡ Published continuously about four months after date. Copies for 1891—97, January, 1898, January, 1899, to May, 1902, January to November (June excepted), 1906, and January and March, 1904, are out of print.

Continued on page iii of this cover.

GOVERNMENT OF INDIA.

METEOROLOGICAL DEPARTMENT.

MONTHLY WEATHER REVIEW

PUBLISHED BY ORDER OF

THE GOVERNMENT OF INDIA.

CALCUTTA, FEBRUARY, 1915.

INTRODUCTION.

THIS review of the weather in India during the month of February, 1915, is based on observations taken daily at 8 hrs. at 215 stations, and on additional observations taken at 10 hrs. and 16 hrs. at 14 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, magnetic and seismic disturbances are 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. Four disturbances in all were recorded during the month. Of these the most important was one which occurred between the 3rd and the 6th, for to it was due the larger part of the rainfall of the month which, as will be seen from the tables on pages 22 and 23, has been in excess of the normal in most parts of the country.

The cloud proportion was very high in Burma and Madras, and was low in the North-West Frontier Province and Sind. Although the quantity of water vapour present in the air was about normal in all parts of the country, the relative humidity was in excess in the United Provinces, the Punjab, the North-West Frontier Province and Central India.

Day temperature was appreciably lower than usual in the United Provinces, the Pubjab East and North, Rajputana East and Central India East, and about the average elsewhere. Night temperature agreed closely with the normal, except in Baluchistan where it was 3° in defect.

Barometric pressure was on the mean of all the plains stations only ·005″ higher than usual.

Solar, magnetic and seismic disturbances.

KODAIKANAL OBSERVATORY.

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

Sunspots.—Eighteen new groups of spots were observed, the same number as in January, but the spots were of longer duration and the daily average number was 3·3. The average life of a spot was 6·6 days. There was only one large spot which came round the east limb on the 8th at latitude + 24° and was visible until the 20th.

The distribution in latitude of the spots was as follows :—

TABLE 1.

—	0°—10°	11°—20°	21°—30°	Mean latitude.	Extreme latitudes.
North . . .	1	6	4	17·°6	7° & 26°
South . . .	...	4	3	20·°0	14° & 24°

Prominences.—Sixty-one large, two eruptive and six metallic prominences were recorded during the month. The highest was 270″ and was observed on the 27th at latitude + 44° east.

Magnetic disturbances.—Only small disturbances were recorded.

J. EVERSHED, *Director,*

Kodaikanal and Madras Observatories.

Seismic records.

$\phi = 10° 13' 50''$; $\lambda = 77° 28' 00''$; $h = 2343$m. *Subsoil* Rock.

Apparatus.—Milne's Horizontal Pendulum Seismograph.

TABLE 2.

	V	To	ϵ	$\frac{r}{To^2}$
AN:				
AE:	9·76	18·1	1	2·7
AZ:				

Date.	Phase.	Time, G. M. T.	Period (Sec.)	Amplitude (μ). An.	Ae.	Az.	Distance Δ (Km.)	Remarks.
1915.		h. m. s.						
Feb. 21st	e P	5 45 48	...	...	...	...	...	Widening of line.
	F	5 51 42	...	...	...	...	...	
„ 21st	P	.....	...	...	...	...	...	
	i L	15 07 06	...	...	...	...	...	
	M	15 07 36	...	...	70	...	...	
	F	15 27 12	...	...	...	...	...	
„ 25th	e P	20 58 42	...	...	...	...	...	L. W. not very different in intensity from P. T.
	e L	21 31 30	...	...	...	...	...	
	M	21 36 54	...	...	40	...	...	
	F	21 55 06	...	...	...	...	...	
„ 28th	P	.....	...	...	...	...	...	
	i L	19 14 54	...	...	...	...	...	
	M	19 32 18	...	...	200	...	...	
	F	20 38 12		...	..	...	...	

S. SITARAM AIYAR,

Acting Assistant Director.

BOMBAY OBSERVATORY.

Alibag magnetic record.

4. During the month of February 1915, the traces showed 11 calm days and 17 days of small disturbance.

The days of the month selected as quiet for the purposes of the Magnetic Survey of India are the 3rd, 7th, 14th, 16th and 28th.

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

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

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 the declination for the month are as follow :—

Easterly declination . . .	0° 42′ 0″
Horizontal force	0·36373 C.G.S. unit.
Vertical force	0·16651 C.G.S. unit.
Inclination	24° 18′·2.
Horizontal force range . . .	0·00040 C.G.S. unit.
Horizontal force summed range .	0·00243 C.G.S. unit.
Declination range . . .	2′·5.
Declination summed range . .	10′·4.

(NOTE :—Summed range means sum without regard to sign of the twenty-four ordinates of the diurnal inequality).

Seismic records.

ϕ =18° 53′ 36″; λ = 72° 48′ 56″; h=11 m. Subsoil Trap.

Apparatus.—Milne's Horizontal Pendulum Seismograph.

TABLE 4.

	V	To	ϵ	$\frac{r}{To^2}$
AN:				
AE:	9	21	1	
AZ:				

Date.	Phase.	Time, G. M. T.	Period (Sec.)	Amplitude (μ). An.	Ae.	Az.	Distance Δ (Km.)	Remarks.
1915. Feby. 8th	P	h. m. s. 11 9 5	...	...	...	...	...	
	M	11 12 18	...	...	33	...	...	
	F	11 17 53	...	...	...	...	...	
„ 15th	...	16 49 to 51	...	...	...	...	...	Thickening of line.
„ 18th	...	6 16 0	...	...	...	...	...	„
„ 18th	...	13 37 to 40	...	...	...	...	...	„
„ 21st	P	.....	...	...	...	...	...	Beginning uncertain.
	M	5 43 9	...	...	44	...	...	
	F	5 48 30	...	...	...	...	...	
„ 27th	...	12 19 0	...	...	...	...	...	Thickening of line.
„ 28th	P	19 7 55	...	...	...	...	...	
	M	19 30 18	...	...	167	...	...	
	F	20 31 6	...	...	...	...	...	

One disturbance at about 15h. on the 21st is lost during shifting time.

Sensibility to tilt 1 mm. of amplitude on the trace =0·29″.

MUKUND V. UNAKAR,
Officiating Director,
Bombay and Alibag Observatories.

5. CALCUTTA (ALIPORE) OBSERVATORY.

The Seismograph dismantled.

6. SIMLA OBSERVATORY.

Seismic records.

ϕ=31° 6′ 0″ ; λ = 77° 11′ 0″ ; h=2433·5 m. Subsoil Rock.

Apparatus—Two Omori-Ewing Horizontal Pendulum Seismographs (*Masses 50 Kg.*)

TABLE 5.

	V	To	ϵ	$\frac{r}{To^2}$
AN:	14	45	1	
AE:	14	45	1	
AZ:				

Date.	Phase.	Time, G. M. T.	Period (Sec.)	Amplitude (μ). An.	Ae.	Az.	Distance Δ (Km.)	Remarks.
1915. Feby. 1st	e	h. m. s. 23 56 54	...	...	...	...	...	
	M	23 57 12	4	...	4	...	...	
	F	23 58 36	...	...	...	...	...	
„ 8th	P	11 1 36	...	...	...	...	...	
	S	11 3 24	...	...	...	...	...	
	L	11 5 12	..	...	...	...	...	
	M	11 5 18	8	39	21	...	...	
	F	11 42 42	...	...	...	...	...	
„ 13th	P	3 56 0	...	...	...	...	...	
	F	3 56 24	...	...	...	...	...	Very slight local shock.
„ 14th	e	8 31 48	...	...	...	...	...	
	F	8 53 42	...	...	...	...	...	
„ 21st	P	14 56 42	...	...	...	...	...	
	S	14 58 30	...	...	...	...	...	
	L	15 0 6	6	71	54	...	...	
	F	15 39 36	...	...	...	...	...	
„ 24th	e	0 7 24	...	...	...	...	...	
	M	0 7 30	Rapid.	11	4	...	...	
	F	0 10 12	...	...	...	...	...	
„ 25th	e	21 0 6	...	...	...	...	...	
	F	21 40 42	...	...	...	...	...	Very slight tremors.
„ 28th	P	19 6 0	...	...	...	...	...	
	S	19 12 12	...	...	...	...	...	

Date.	Phase.	Time, G. M. T.	Period (Sec.)	Amplitude (μ). An.	Ae.	Az.	Distance Δ (Km.)	Remarks.
1915. Feb. 28th	e L	h. m. s. 19 18 42	...	...	...	...	...	
	M	19 20 42	21	304	86	...	...	
	F	20 29 42	...	...	...	...	...	

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

TABLE 6.

Place at which felt.	Date.	G. M. T. of earthquake.	Duration.	Intensity Rossi-Forel scale.	No. of shocks.
		h. m.	sec.		
Shillong . . .	Feb. 4th	15 33	1	3	1
Kila Drosh . .	„ 6th	14 5	10	6	1
Mandalay . .	„ 8th	9 21	5	4	3
Shillong . . .	„ 9th	4 5	1	5	1
Kila Drosh . .	„ 23rd	22 0	13	5	1
Ditto . .	„ 24th	0 10	30	5	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	1·38
Mean	1·46
Number of days of observation	6

C. W. NORMAND,

Imperial Meteorologist, Simla.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

7. No information has been received.

Weather in the Indian Ocean.

8. Atmospheric pressure exceeded the normal at Mauritius and Zanzibar and was nearly normal at Seychelles. The easterly element in the wind direction at Zanzibar was unusually strong. Rainfall was in marked excess at Seychelles, but was below the average at Zanzibar.

TABLE 7.

—	Mauritius.	Zanzibar.	Seychelles.
Departure from normal of mean pressure	+·020	+·014	—0·06
Actual mean wind direction . .	S 89° E	N 52°E	N 27° W
Normal mean wind direction . .	S 81° E	N 27° E	N 21° W
Actual mean wind velocity (miles per diem).	170	131	90
Normal mean wind velocity (miles per diem).	193	118	107
Rainfall departure from normal . .	+3·02	—1·65	+12·31

Depressions and cyclonic storms.

9. Four disturbances in all affected the weather in India during the month under review; the first between the 1st and the 4th, the second between the 3rd and the 6th, the third between the 6th and the 11th and the fourth on the 14th and 15th. They were all of extra Indian origin and two of them, *viz.*, the second and the third traversed the whole length of Northern India. The precipitation due to the first and the fourth of the series was comparatively light and local, but that due to the second embraced the whole of the area stretching from Baluchistan to Upper Burma, while that accompanying the third, although fairly heavy, was restricted to the submontane districts of Northern India.

Pressure.

10. The barometer stood below its normal height in the North-West Frontier Province, the west Punjab, the Bombay Presidency, Malabar, the Coromandel Coast districts and the south of Burma, but over the rest of the country barometric pressure was higher than usual. The magnitude of the departures was however small in the case of the great majority of stations.

TABLE 8.

DIVISION.	Departure from normal of mean 8 hrs. pressure.
	"
Burma	+·001
Assam	+·010
Bengal	+·013
Bihar and Orissa	+·014
United Provinces	+·020
Punjab	+·001
North-West Frontier Province	—·025
Sind	+·009
Rajputana	+·002
Bombay	—·001
Central India	+·004
Central Provinces	+·007
Hyderabad	+·005
Mysore	+·005
Madras	+·002

The vertical gradient was of about the normal strength, except between Lahore and Leh where it was considerably steeper than usual.

TABLE 9.

HILL STATION.	Departure from normal pressure. A	PLAIN STATION.	Departure from normal pressure. B	Departure of pressure difference. B—A
	"		"	"
Quetta	—·011	Jacobabad	+·006	+·019
Leh	—·042	Lahore	+·002	+·044
Murree	—·014	Peshawar	—·022	—·008
Simla	+·009	Ludhiana	+·014	+·005
Mount Abu	—·012	Deesa	+·008	+·020
Pachmarhi	+·003	Khandwa	+·016	+·013
Kodaikanal	+·010	Madura	+·003	—·007

Temperature.

11. Day temperature was in defect by about 4° in Rajputana East and the United Provinces and by 3° in the Punjab East and North and Central India East; but in all other subdivisions the departures were less than 2½° in magnitude. Minimum temperature was 3° below the average in Baluchistan, and was very nearly normal elsewhere.

Thus over by far the greater part of the country temperature conditions of the month did not differ to any great extent from the average.

TABLE 10.

SUBDIVISION.	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	86·4	77·2	81·8	9·2	15·3	+0·3	+2·0	—1·7
2. Lower Burma	89·3	69·0	79·1	20·3	28·5	+0·8	+2·3	—1·5
3. Upper Burma	87·7	57·4	72·5	30·3	40·6	+1·6	+0·7	+0·9
4. Assam	78·0	55·6	66·8	22·4	33·9	+0·8	+2·3	—1·5
5. Bengal	81·8	57·8	69·8	24·0	29·2	+0·4	—0·1	+0·5
6. Orissa	85·7	62·9	74·3	22·8	28·0	—0·7	—0·4	—0·3
7. Chota Nagpur	81·3	56·6	68·9	24·7	44·9	—1·1	+1·1	—2·2
8. Bihar	77·6	54·6	66·2	23·7	39·9	—1·0	+0·6	—1·6
9. United Provinces, East	74·5	52·3	63·4	22·2	37·9	—3·7	+1·1	—4·8
10. Do., West	72·7	49·9	61·3	22·8	37·9	—3·6	—0·9	—2·9

Subdivision.	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.
	°	°	°	°	°	°	°	°
11. Punjab, East and North	68·2	45·8	56·9	22·4	38·3	—2·7	—0·7	—2·0
12. Do., South-west	71·1	45·1	58·1	25·9	43·9	—0·6	—0·1	—0·5
13. Kashmir	36·6	16·7	26·6	19·9	43·2	—1·2	+0·1	—1·3
14. North-West Frontier Province	66·8	42·7	54·7	24·1	41·0	—1·9	—0·7	—1·2
15. Baluchistan	63·6	35·6	49·6	28·0	50·0	—1·5	—2·9	+1·4
16. Sind	78·6	53·5	66·1	25·1	44·1	—0·2	—1·0	+0·8
17. Rajputana, West	76·2	51·6	63·9	24·6	43·3	—1·7	—1·1	—0·6
18. Do., East	74·4	51·4	62·9	23·0	40·8	—4·5	—0·6	—3·9
19. Gujarat	83·1	56·7	69·9	26·5	44·5	—1·8	—1·4	—0·4
20. Central India, West	79·4	51·7	65·5	27·7	45·5	—2·3	—0·1	—2·2
21. Do., East	76·0	52·1	64·0	23·9	44·4	—3·3	+0·7	—4·0
22. Berar	87·9	60·0	74·0	27·9	45·5	—0·7	+0·7	—1·4
23. Central Provinces, West	82·3	55·3	68·8	26·9	45·9	—2·4	—0·1	—2·3
24. Do., East	85·4	58·8	72·1	26·6	43·9	—1·1	+0·8	—1·9
25. Konkan	83·9	68·5	76·2	15·4	26·0	—1·0	+0·2	—1·2
26. Bombay Deccan	89·2	58·3	73·7	30·9	45·5	—1·0	—0·3	—0·7
27. Hyderabad, North	88·6	61·7	75·1	26·9	41·9	—1·2	+1·0	—2·2
28. Do., South	89·9	65·7	77·8	24·1	36·8	—1·4	+0·2	—1·6
29. Mysore	88·8	63·7	76·2	25·1	34·5	+0·7	+1·9	—1·2
30. Malabar	88·2	74·5	81·4	13·7	21·1	+0·1	+1·5	—1·4
31. Madras, South-east	89·1	70·7	79·9	18·4	27·2	—0·1	+1·4	—1·5
32. Do. Deccan	93·5	68·2	80·8	25·3	36·7	—0·9	+1·5	—2·4
33. Do. Coast, North	84·7	68·3	76·5	16·4	27·2	—1·2	—0·4	—0·8

TABLE 11.

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

Division.	Departure from normal of		
	Mean maximum temperature.	Mean minimum temperature.	Mean temperature.
	°	°	°
Sind	—0·2	—1·0	—0·7
Rajputana	—3·4	—0·8	—2·1
Bombay	—1·4	—0·6	—1·0
Central India	—2·8	+0·3	—1·3
Central Provinces	—1·8	+0·2	—0·8
Hyderabad	—1·3	+0·5	—0·4
Mysore	+0·7	+1·9	+1·3
Madras	—0·4	+1·0	+0·3

Winds.

12. (*a*) The rate of air movement was distinctly greater than usual in the Punjab, Rajputana, the Central Provinces, Hyderabad, Mysore and Madras, and was low in Burma, Bengal and the North-West Frontier Province.

(*b*) The degree of steadiness was low in Burma, Assam, the United Provinces, Bombay and the Central Provinces, and was high in the Punjab, Sind and the Peninsula excluding Bombay.

(*c*) Considerable deviations from the normal course of air movement occurred in the central parts of the country and on the Coromandel coast, but they were of no significance.

TABLE 12.

Division.	Departure from normal of	
	Hourly wind velocity.	Wind steadiness.
Burma	—0·5	— 5
Assam	—0·2	— 7
Bengal	—0·5	+ 2
Bihar and Orissa	+0·2	— 3
United Provinces	—0·2	— 5
Punjab	+0·8	+ 6
North-West Frontier Province	—0·3	— 1
Sind	—0·3	+ 6
Rajputana	+1·0	+ 1
Bombay	—0·4	— 6
Central India	+0·1	+ 2
Central Provinces	+0·5	— 5
Hyderabad	+0·6	+22
Mysore	+0·4	+ 7
Madras	+0·8	+ 9

Humidity and cloud.

13. The air contained about the usual amount of aqeuous vapour generally, but in virtue of the lowness of temperature the percentage of saturation was higher than usual in the United Provinces, the Punjab, the North-West Frontier Province and Central India.

The sky was clouded to an unusual extent in Burma, Hyderabad and Madras and abnormally free from cloud in Sind and the North-West Frontier Province. Elsewhere the state of the sky was very nearly normal.

TABLE 13.

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	0	·586	+·019	3·1	+1·1
Assam	88	— 1	·462	+·020	3·4	—0·3
Bengal	81	0	·479	—·002	2·0	—0·3
Bihar and Orissa	75	+ 3	·437	+·015	2·7	+0·3
United Provinces	78	+ 8	·360	+·032	2·8	+0·3
Punjab	79	+ 6	·288	+·013	3·4	—0·2
North-West Frontier Province.	77	+ 7	·255	+·011	3·1	—0·7
Sind	57	— 3	·292	—·024	1·3	—1·3
Rajputana	55	+ 4	·261	+·017	2·4	—0·3
Bombay	59	+ 2	·401	+·003	1·4	+0·1
Central India	62	+ 7	·304	+·018	2·2	—0·1
Central Provinces	53	0	·323	+·002	1·9	0
Hyderabad	54	— 3	·421	—·038	2·8	+0·5
Mysore	66	+ 1	·490	+·009	2·6	+0·3
Madras	79	+ 2	·695	+·020	3·3	+0·8

Rainfall.

14. The rainfall of the month was unusually heavy over the greater part of the country. It was 20 per cent. or more in defect in Burma, the Punjab South-west, Baluchistan, Sind, Gujarat, Berar and Hyderabad North, and was within 20 per cent. of the normal in Bengal, Orissa, Chota-Nagpur, Mysore and Malabar. In all the remaining divisions it was 20 per cent. or more in excess, being from three to six times heavier than usual in the United Provinces, Rajputana East, Central India West and the Konkan.

TABLE 14.

SUBDIVISION.	NUMBER OF RAINY DAYS.		RAINFALL.			
	Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
			"	"	"	
1. Bay Islands	1·5	0·9	1·11	0·59	+0·52	+ 88
2. Lower Burma	0·1	0·4	0·08	0·28	—0·20	— 71
3. Upper Burma	0·3	0·4	0·11	0·16	—0·05	— 31
4. Assam	4·1	3·1	2·04	1·28	+0·76	+ 59
5. Bengal	2·1	1·6	0·81	0·92	—0·11	— 12
6. Orissa	1·0	1·5	0·95	0·91	+0·04	+ 4
7. Chota Nagpur	2·1	2·5	1·55	1·40	+0·15	+ 11
8. Bihar	3·7	1·6	1·95	0·73	+1·22	+167
9. United Provinces, East	4·2	1·3	1·67	0·53	+1·14	+215
10. Do., West	3·7	1·6	2·74	0·87	+1·87	+215
11. Punjab, East and North	3·9	2·1	2·38	1·07	+1·31	+122
12. Punjab, South-west	1·3	1·4	0·45	0·57	—0·12	— 21
13. Kashmir	6·0	4·9	5·92	3·33	+2·59	+ 78
14. North-West Frontier Province	3·7	3·0	2·32	1·38	+0·94	+ 68
15. Baluchistan	0·7	3·3	0·18	1·45	—1·27	— 88
16. Sind	0·2	0·9	0·07	0·32	—0·25	— 78
17. Rajputana, West	1·4	0·7	0·91	0·34	+0·57	+168
18. Do., East	2·5	0·8	1·23	0·33	+0·90	+273
19. Gujarat	0·2	0·3	0·06	0·12	—0·06	— 50
20. Central India, West	2·2	0·7	1·06	0·29	+0·77	+266
21. Do., East	2·9	1·3	1·17	0·65	+0·52	+ 80
22. Berar	0·5	0·6	0·22	0·31	—0·09	— 29
23. Central Provinces, West	2·4	1·1	1·00	0·57	+0·43	+ 75
24. Do., East	1·3	1·3	1·00	0·77	+0·23	+ 30
25. Konkan	0·4	0·1	0·18	0·03	+0·15	+500
26. Bombay Deccan	0·6	0·2	0·19	0·08	+0·11	+137
27. Hyderabad, North	0·1	0·4	0·06	0·16	—0·10	— 63
28. Do., South	0·4	0·5	0·33	0·16	+0·17	+106
29. Mysore	0·2	0·2	0·09	0·11	—0·02	— 18
30. Malabar	0·5	0·3	0·21	0·20	+0·01	+ 5
31. Madras, South-east	1·2	0·8	0·90	0·53	+0·37	+ 70
32. Do. Deccan	0·3	0	0·14	0·09	+0·05	+ 56
33. Do. Coast, North	0·9	0·5	0·66	0·39	+0·27	+ 69

TABLE 15.

Division.	Rainfall.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Burma	0·10	0·20	—0.10	— 50
Assam	2·04	1·28	+0·76	+ 59
Bengal	0·81	0·92	—0·11	— 12
Bihar and Orissa	1·61	0·94	+0·67	+ 71
United Provinces	2·25	0·72	+1·53	+213
Punjab	1·90	0·95	+0·95	+100
North-West Frontier Province	2·32	1·38	+0·94	+ 68
Sind	0·07	0·32	—0·25	— 78
Rajputana	1·12	0·33	+0·79	+239
Bombay	0·14	0·08	+0·06	+ 75
Central India	1·11	0·47	+0·64	+136
Central Provinces	0·78	0·57	+0·21	+ 37
Hyderabad	0·19	0·16	+0·03	+ 19
Mysore	0·09	0·11	—0·02	— 18
Madras	0·68	0·41	+0·27	+ 66
Mean of India	0·95	0·52	+0·43	+ 83

Snowfall.

I.—AFGHANISTAN.

15. There were altogether four falls of snow at Kabul; the total fall amounted to 13 inches. On the 28th about 4 feet snow still lay unmelted on the higher peaks around Kabul.

II.—NORTH-WEST FRONTIER PROVINCE.

(*a*) *Wano.*—The following statement shows the character of snowfall in this area :—

TABLE 16.

Locality.	Elevation.	Number of falls.	Total depth of snowfall.	
	′		Feet.	Inches.
Marwatti and Pirghal	11,000	5	1	10
Bosh and Dre Nashtar	11,000	5	2	0
Jani Mela	9,000	4	1	2
Kundighar	9,000	3	0	11
Kot Kun	7,900	1	0	3
Naboti	9,000	1	0	4
Spera	10,000	1	0	4

By the end of the month the accumulations on the higher hills had almost entirely melted away.

(*b*) *Tochi* (*North Waziristan*).—Moderate snow fell on the hills between the 7th and the 14th.

(*c*) *Dera Ismail Khan.*—An inch of snow fell on the Takht-i-Suleman and the Zmaraighar on the 15th. On the last day of the month hardly any accumulations existed on these ranges.

(*d*) *Kurram.*—There were altogether ten falls on the Sufed Koh, and four of these descended 6 miles below the level of Parachinar. On the last day of the month the unmelted residue was estimated at about 7 feet on the Agam pass and 4 feet on the Paiwar Kotal.

(*e*) *Kohat.*—Snow fell on 13th, 15th, 16th and 27th to a total depth of about 3 feet.

(*f*) *Hazara.*—The following statement indicates the character of snowfall in this area :—

TABLE 17.

Locality.	Elevation.	Total amount of snowfall during the month.		Number of days on which snow fell.	Total depth of unmelted snowfall on the 15th March 1915.	
		Ft.	In.		Ft.	In.
Narang	8,000	17	3	7	5	6
Paluderan	7,500	14	5	7	4	6
Kagan	7,000	10	0	5	1	6
Jared	5,000	5	0	4	*Nil*	
Malkandi	4,500	3	1	4	*Nil*	
Sundigali	7,000	9	7	7	0	6
Jachha	6,000	6	10	7	0	2
Dungagali	8,000	7	5	7	3	3
Tandiani	8,800	10	2	7	6	3

The snowline descended to a level of about 2,800 feet on the 15th and 16th, which is unusual.

III.—KASHMIR.

The statement below shows the character of snowfall in this area :—

TABLE 18.

Locality.	Number of snowfalls recorded during the month.	Total snowfall.		Remarks.
		Feet.	Inches.	
Srinagar	10	4	2	
Skardu	6	1	6	
Dras	13	3	5	At the end of the month, the unmelted residue in the grounds of observatory measured about 6 feet and on the surrounding hills 7½ feet. Owing to heavy fall of snow the Zojila pass was closed.
Kargil and surrounding hills.	7	1	3	At the close of the month about 12 feet snow was still lying unmelted on the surrounding hills.
Leh	1	0	½	

IV.—PUNJAB.

(*a*) *Murree.*—Snow fell on ten occasions in Murree, and on two days on the hills adjacent to Kahuta : the total fall amounted to about 5 feet in the former locality and 4 feet in the latter.

(*b*) *Chamba.*—The following statement indicates the character of snowfall in this area :—

TABLE 19.

Locality.	Elevation.	Total depth of snowfall during the month.		Number of days on which snow fell.	Reported depth of accumulation existing on the 28th February, 1915.	
	Feet.	Feet	Inches		Feet	Inches
Dalhousie Range.						
Kalatop	7,850	9	10	8	3	0
Kainthli	6,500	4	8	7	0	8
Surkhigali	5,475	1	3	6		
Chamba Range.						
Ulansa	7,150	4	0	5		
Darkund	6,500	2	7	5		
Kundi	6,400	2	3	5		
Chitrari	6,100	1	7	4		
Bakani	5,600	1	0	3	2	11
Sao	4,500?	0	7	2		
Chuari	...	...		...	1	0
Sarli	...	...		...	0	10
Gura	...	...		...	2	0
Baliani	...	...		...	3	0
Bhandal Range.						
Deur	5,500	2	0	3		
Bhandal	6,000	2	3	4		
Langera	7,500	9	5	8		
Tisa Range.						
Tisa	4,500	2	2	6	*Nil*	
Khangu	6,500	8	10	10	0	9
Chatri	6,500	9	5	10	0	7
Barmaur Range.						
Ghararu	8,000	10	8	12	2	8

(*c*) *Kilba (Simla Hills).*—Snow fell on ten days to a total depth of 8½ feet.

TABLE 20.

Name of pass.	Depth of accumulation at the end of the month.	
	Reported.	Normal.
	Feet.	Feet.
Harang Pass	8	8½
Rupin "	10	15
Shatul "	11	14
Brua "	11	15½

V.—UNITED PROVINCES.

(*a*) *Garhwal.*—Snow fell on the 4th, 5th, 7th, 8th, 9th and 20th. The falls of the 4th and 5th were heavy and descended to a level of about 4,500 feet.

(*b*) *Almora.*—The aggregate snowfall of the month was estimated at 17 feet in Byans, 11½ feet in Chaudas, 9½ feet in Malla Darma, 6 feet in Malla Danpur and 2 feet in Malla Johar. The snowline descended from the perpetual snows to a distance of 3 miles in Chaudas, 10 to 11 miles in Byans and 25 miles in Malla Darma.

TABLE 21.

Name of pass or peak.	Depth of accumulation at the end of the month.	
	Reported.	Normal.
	Feet.	Feet.
Nuwe Pass	20	35
Untadhura	2½	25
Balamdhura	2	20½
Pindari Peak	6	8½
Kaphini "	6	8½
Kuntela "	6	8½
Binkaru Pass	15	37½
Lipulekh "	28 or 29	19
Lampia Pass	34 or 35	21½
Bagodiyar "	1½	

SUMMARY.

16. According to the available information the snowfall of the month in the hills around the Punjab was either normal or in excess.

HEM RAJ.

Table A.—Abstract of observations taken at 10 hrs. and 16 hrs. at 14 stations in India, etc., in February, 1915.

Table

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

Number of sub-division.	Station.	Elevation of barometer cistern above sea-level, in feet.	Pressure. Mean of 10 hrs.	Mean of 16 hrs.	Mean daily range	Mean of daily mean pressures.	Departure from normal.	Mean reduced to 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
	III.—Bengal.																					
6	Calcutta . .	21	30·044	29·919	·125	29·973	+·016	29·941	84·1	61·0	23·1	93·1	53·1	40·0	75·4	83·1	71·7	+0·4	58·4	64·5	66·5	63·1
	VI.—Punjab.																					
11	Lahore . .	702	29·327	29·247	·082	29·273	—·002	29·985	69·6	46·5	23·1	78·3	38·2	40·0	59·2	67·5	56·9	—0·4	45·0	52·8	56·0	51·3
	IX.—Rajputana.																					
18	Jaipur . .	1,431	28·591	28·492	·099	28·531	—·007	29·951	75·0	50·1	24·9	83·0	39·5	43·5	65·9	73·3	61·4	—2·8	45·5	53·1	55·8	51·5
	X.—Bombay.																					
25	Bombay . .	37	29·998	29·889	·109	29·937	+·004	29·915	82·2	68·5	13·7	86·9	62·5	24·4	75·0	78·4	74·5	—0·3	62·2	67·3	69·6	66·4
	XIV.—Mysore.																					
29	Bangalore . .	3,021	27·037	26·910	·127	26·970	+·001	29·789	88·4	62·3	26·1	92·9	56·8	36·1	78·1	86·6	74·6	+2·6	59·0	64·2	64·4	62·5
	XV.—Madras.																					
31	Pudukkottai .	318	29·706	29·543	·163	29·625		29·872	91·4	71·1	20·3	95·4	66·7	28·7	82·3	89·3	81·2			74·5	75·9	
	Madras . .	22	30·021	29·907	·114	29·962	—·004	29·915	86·7	71·1	15·6	90·5	66·3	24·2	82·2	83·2	78·0	+1·4	69·7	74·8	75·0	73·2
	Hill stations, excluding Kashmir and Beluchistan.																					
	Sarain . . .		23·140	23·085	·055	23·101		23·063	45·0	27·7	17·3	54·7	21·6	33·1	40·3	38·3	36·2			35·7	35·2	
	Kalabagh . .																					
	Mukteswar . .	7,592							50·2	35·7	14·5	61·9	29·3	32·6	43·6	46·5	42·7		30·6	36·0	38·9	35·2
	Katmandu . .	4,388	25·779	25·679	·100	25·726	+·078	25·680	65·6	41·9	23·7	74·6	36·3	38·3	54·4	62·6	53·5	+1·0	39·9	49·3	52·5	47·2
	Kodaikanal . .	7,688	23·900	23·834	·066	23·867		23·802	67·6	49·5	18·1	74·6	43·9	30·7	62·3	61·3	56·5		43·3	51·6	53·9	49·6
	Dodabetta . .	8,539?	22·114	22·061	·053	22·078		22·015	59·1	46·3	12·3	62·3	44·3	18·0	56·0	57·6	52·7		38·7	47·7	50·2	45·5
	Extra India.																					
	Diego Garcia .																					
	Seychelles . .	15	29·976	29·879	·097	29·835	+·006†	29·874	83·6	77·3	6·3	86·2	75·1	11·1	81·2	82·3	79·3	+0·2	72·7	76·9	77·2	75·6
	Mauritius . .	181				29·757	+·026	29·882									79·7	+1·2				74·3

N.B.—Elevations in Italics indicate barometric 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.

14 stations in India, etc., in February 1915.

Vapour tension in inches of mercury.					Humidity.					Cloud.				Wind direction.											Wind steadiness		Wind velocity.		Rainfall.		Station.	Number of sub-division.
														Total number of 10 hrs. and 16 hrs. winds from																		
From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean 10 hrs.	Mean 16 hrs.	Mean of two previous columns.	Departure from normal.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Mean wind direction.	Normal mean wind direction of month.	Average percentage.	Normal percentage.	Mean velocity in miles per diem	Normal.	Total rainfall for the month.	Heaviest rainfall during the month.		
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
																															III.—Bengal.	
·458	·466	·430	·477	—·008	85	53	38	62	— 4	1·7	2·4	2·1	—0·1	3	3	5	6	1	1	7	11	19	N 55° W	N 73° W	41	25	65	58	0·39	0·37	Calcutta.	5
																															VI.—Punjab.	
·282	·319	·298	·308	+·021	88	64	46	69	+ 7	3·7	3·5	3·6	—0·3	7	6	4	4	9	1	0	6	19	N 23° W	N 30° W	28	30	48	39	2·26	0·83	Lahore.	11
																															IX.—Rajputana.	
·257	·251	·235	·255	—·007	69	40	30	50	+ 3	2·1	2·5	2·3	—0·8	1	7	8	8	4	3	6	6	13	N 14° W	N 20° W	21	33	76	66	1·46	0·73	Jaipur.	18
																															X.—Bombay.	
·479	·570	·606	·575	—·044	68	65	63	69	— 2	1·4	1·3	1·3	+0·1	0	4	4	8	5	1	1	11	22	N 37° W	N 1° W	37	57	148	163	0·30	0·20	Bombay.	25
																															XIV.—Mysore.	
·460	·442	·316	·421	+·014	82	47	28	54	0	1·6	2·6	2·1		2	2	7	18	13	7	4	2	1	S 67° E	S 69° E	52	59	151	88	0·02	0·02	Bangalore.	29
																															XV.—Madras.	
	·750	·715				58	52			3·9	4·1	4·0		8	5	32	9	2	0	0	0	0	N 52° E		75		137		0·32	0·31	Pudukkottai.	31
·707	·763	·758	·765	+·050	93	70	67	80	+ 2	3·7	3·3	3·5	+0·3	0	4	21	20	11	0	0	0	0	N 75° E	S 84° E	71	72	86	88	0·30	0·29	Madras.	
																															Hill stations, excluding Kashmir and Baluchistan.	
	·165	·173				67	77			4·8	6·0	5·4																	7·59	3·44	Sarain.	
																															Kalabagh.	
·120*	·133	·162	·148		60*	50	54	58		4·2	5·2	4·7		4	1	4	9	9	5	7	17	0	S 17° W		23		162		5·65	2·15	Mukteswar.	
·225	·295	·284	·278	+·018	85	71	51	72	+ 3	5·2	4·7	4.9	+1·4	0	0	0	25	0	0	0	30	1	N 83° W	N 87° W	11	47	35	21	3·51	1·21	Katmandu.	
·219	·274	·240	·278		62	51	63	59		3·1	5·9	4·5		0	13	9	9	6	7	0	1	11	N 34° E		34		200		0·52	0·21	Kodaikanal.	
·155	·246	·287	·229		48	56	61	55		4·0	5·5	4·7		0	10	26	7	9	3	1	0	0	N 59° E		64		127		0·42	0·27	Dodabetta.	
																															Extra India.	
																															Diego Garcia.	
·745	·868	·868	·850	+·008	79	81	79	83	0	6·4	7·3	6·9	+0·4†	5	14	4	1	2	0	0	4	26	N 27° W	N 21° W	68	53	90	107	24·91	8·48	Seychelles.	
			·769	—·009				76	— 2			6·1	+0·2										N 88° E	S 83° E			170	162	10·13		Mauritius.	

* Mean of 27 days.

† Departure from old normal.

Table B.—Abstract of observations taken at 8 hrs. at 215 stations in India, etc., in February, 1915.

(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 2,300 stations.

		Temperature of air.								Wind.		Hygrometry.				Cloud.		Rainfall.		
	Pressure departure from normal.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Absolute range during month.	Departure of velocity from normal.	Departure of steadiness from normal.	Mean humidity.	Departure from normal.	Mean vapour tension.	Departure from normal.	Mean cloud amount.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.
Burma	+·001	88·6	+1·2	63·8	+1·5	76·2	+1·3	24·7	33·9	−0·5	− 5	80	0	·586	+·019	3·1	+1·1	0·10	0·20	−0·10
Assam	+·010	78·0	+0·8	55·6	+2·3	66·8	+1·6	22·4	33·9	−0·2	− 7	88	− 1	·462	+·020	3·4	−0·3	2·04	1·28	+0·76
Bengal	+·013	81·8	+0·4	57·8	−0·1	69·8	+0·2	24·0	39·2	−0·5	+ 2	81	0	·479	−·002	2·0	−0·3	0·81	0·92	−0·11
Bihar and Orissa	+·014	80·8	−0·9	57·6	+0·4	69·2	−0·3	23·2	40·5	+0·2	− 3	75	+ 3	·437	+·015	2·7	+0·3	1·61	0·94	+0·67
United Provinces of Agra and Oudh	+·020	73·7	−3·7	51·2	+0·2	62·5	−1·8	22·5	37·9	−0·2	− 5	78	+ 8	·360	+·032	2·8	+0·3	2·25	0·72	+1·53
Punjab	+·001	69·1	−2·1	45·6	−0·5	57·3	−1·3	23·6	40·1	+0·8	+ 6	79	+ 6	·288	+·013	3·4	−0·2	1·90	0·95	+0·95
North-West Frontier Province	−·025	66·8	−1·9	42·7	−0·7	54·7	−1·3	24·1	41·0	−0·3	− 1	77	+ 7	·255	+·011	3·1	−0·7	2·32	1·38	+0·94
Sind	+·009	78·6	−0·2	53·5	−1·0	66·1	−0·7	25·1	44·1	−0·3	+ 6	57	− 3	·292	−·024	1·2	−1·3	0·07	0·32	−0·25
Rajputana	+·002	75·1	−3·4	51·5	−0·8	63·3	−2·1	23·6	41·8	+1·0	+ 1	55	+ 4	·261	+·017	2·4	−0·3	1·12	0·33	+0·79
Bombay	−·001	85·3	−1·4	59·8	−0·6	72·6	−1·0	25·5	40·7	−0·4	− 6	59	+ 2	·401	+·003	1·4	+0·1	0·14	0·08	+0·06
Central India	+·004	77·7	−2·8	51·9	+0·3	64·6	−1·3	25·8	45·0	+0·1	+ 2	62	+ 7	·304	+·018	2·2	−0·1	1·11	0·47	+0·64
Central Provinces	+·007	84·5	−1·8	57·5	+0·2	71·0	−0·8	27·1	45·2	+0·5	− 5	53	0	·323	+·002	1·9	0	0·78	0·57	+0·21
Hyderabad	+·005	89·3	−1·3	64·0	+0·5	76·7	−0·4	25·3	39·0	+0·6	+22	54	− 3	·421	−·038	2·8	+0·5	0·19	0·16	+0·03
Mysore	+·005	88·8	+0·7	63·7	+1·9	76·2	+1·3	25·1	34·5	+0·4	+ 7	66	+ 1	·490	+·009	2·6	+0·3	0·09	0·11	−0·02
Madras	+·002	88·4	−0·4	70·4	+1·0	79·4	+0·3	17·9	27·4	+0·3	+ 9	79	+ 2	·695	+·020	3·3	+0·8	0·68	0·41	+0·27

Table

(2) Abstract of observations taken at 8 hrs. at 215

Number of sub-division.	Station.	Elevation of tar-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	Victoria Point	147	29·821		29·898	29·874	20th	29·779	13th	·093	80·0	90·4		74·9		82·6		15·5	94·1	14th	73·2	26th	20·9
	Mergui	65	29·922	—·003	29·917	29·977	20th	29·866	13th	·111	78·5	89·0	—0·5	73·0	+3·2	81·0	+1·3	16·0	91·6	24th	69·9	20th	21·7
	Tavoy	19	29·970	—·017	29·922	30·029	20th	29·915	13th	·114	75·9	91·4	+0·2	72·5	+4·9	82·0	+2·5	18·9	94·4	15th	66·6	12th	27·8
	Moulmein	94	29·895	—·009	29·928	29·915	1st	29·854	7th	·091	73·6	93·8	+2·2	69·7	+1·6	81·7	+1·9	21·1	97·1	28th	64·0	10th	33·1
	Rangoon	18	29·982	+·011	29·938	30·031	20th	29·928	4th	·103	71·4	93·0	+0·5	68·4	+1·9	80·7	+1·2	24·6	96·2	18th	64·0	15th	32·2
	Bassein	27	29·969	—·002	29·933	30·008	1st & 20th.	29·928	7th	·080	73·1	91·3	+1·4	69·1	+3·2	80·2	+2·3	22·2	94·6	16th	64·9	9th & 15th.	29·7
	Diamond Island	41	29·941	—·014	29·917	29·984	22nd	29·900	4th	·084	73·5	86·1	+2·1	75·8	+2·9	80·9	+2·5	10·3	88·4	17th	73·4	18th	15·0
	Toungoo	164	29·826	+·004	29·936	29·870	1st	29·778	7th	·092	68·2	91·1	+0·7	62·1	+1·0	76·6	+0·9	29·0	96·5	27th	54·5	17th	42·0
	Kyaukpyu	18	29·982		29·940	30·032	16th	29·942	11th	·090	71·7	82·2		63·6		72·9		18·6	87·4	22nd	58·2	26th	29·2
	Akyab	20	29·997	+·010	29·958	30·053	1st	29·957	11th	·096	67·6	84·5	0	61·0	—0·4	72·7	—0·2	23·5	90·9	19th	57·3	27th	33·6
3	Thayetmyo	121	29·871	+·006	29·939	29·929	1st	29·827	11th	·102	71·3	93·2	+0·9	58·5	+1·4	75·9	+1·1	34·7	98·2	21st	52·4	15th & 16th.	45·8
—	Minbu	*165*	29·823	—·003	29·937	29·881	16th	29·764	6th	·117	67·3	91·1	+0·6	59·0	—2·2	75·0	—0·8	32·1	97·3	11th	52·0	26th	45·3
—	Yamethin	657	29·330	+·016	29·957	29·386	15th	29·260	11th	·126	67·1	92·4	+0·9	61·2	+1·1	76·8	+1·0	31·2	96·3	26th	55·4	16th	40·9
	Mandalay	250	29·751	+·012	29·958	29·822	16th	29·639	11th	·183	68·1	92·8	+2·9	60·8	+0·5	76·3	+1·7	32·0	98·1	12th	57·1	16th	41·0
	Monywa	*280*	29·716	—·009	29·955	29·778	16th	29·593	11th	·185	65·9	90·0	+2·8	61·3	+1·6	75·6	+2·2	28·7	96·2	12th	53·4	8th	42·8
	Lashio	*2,820*	27·169	0	27·115	27·230	19th	27·059	11th	·171	56·2	79·5	+0·9	50·3	+1·4	64·9	+1·1	29·2	83·1	21st, 27th & 28th.	48·5	26th	36·6
	Bhamo	*361*	29·627	+·010	29·961	29·686	1st	29·485	11th	·201	58·4	82·6	+1·7	52·8	0	67·7	+0·9	29·8	88·0	20th	48·0	8th	40·0
	Myitkyina	458	29·527	+·002	29·866	29·602	23rd	29·360	11th	·242	59·2	80·1	+1·8	55·2	+1·5	67·7	+1·7	24·9	84·6	20th & 27th.	52·2	8th & 9th.	32·4
	II.—Assam.																						
4	Dibrugarh	352	29·665	—·025P	29·998	29·757	23rd	29·475	11th	·282	59·4	73·3	+1·1	57·2	+3·3	65·3	+2·2	16·1	80·8	20th	52·9	23rd	27·9
	Sibsagar	333	29·716	+·005	30·026	29·801	23rd	29·527	11th	·274	59·9	73·9	+1·1	55·9	+2·7	64·9	+1·9	18·0	79·8	28th	52·0	23rd	27·8
	Tezpur	252	29·780	+·005	30·014	29·864	23rd	29·598	11th	·266	60·3	77·2	+1·4	57·7	+2·9	67·5	+2·1	19·5	83·3	20th	54·6	23rd	28·7
	Gauhati	136	29·864	+·014	30·024	29·940	23rd	29·676	11th	·264	62·6	78·2	+0·5	54·5	+2·6	66·4	+1·5	23·7	84·8	20th	49·3	2nd	35·5
	Dhubri	115	29·922	+·016	29·997	30·002	23rd	29·771	11th	·231	61·5	77·6	0	56·8	+1·3	67·2	+0·7	20·8	85·3	18th	51·9	7th	33·4
	Silchar	104	29·918	+·012	30·008	30·018	1st	29·816	11th	·202	62·7	81·4	+0·9	56·7	+1·2	69·1	+1·1	24·7	88·6	20th	52·6	13th	36·0
	Srimangal	66	29·935§		29·954§	30·048	1st	29·839	11th	·209	55·4	84·2	+1·6	50·3	—1·8	67·2	—0·1	33·9	91·9	19th	44·1	26th	47·8
	III.—Bengal.																						
5	Cox's Bazar	36	29·977		29·959	30·039	1st	29·928	5th	·111	63·1	83·4		58·5		70·9		24·9	88·5	19th	53·7	26th	34·8
	Chittagong	87	29·941	+·003	29·977	30·010	22nd	29·869	11th	·141	63·6	83·0	+0·8	57·6	—1·1	70·3	—0·1	25·4	91·4	20th	52·4	26th	39·0
	Noakhali	43	29·995	+·018	29·936	30·070	22nd	29·888	11th	·182	65·0	82·3	+1·5	57·2	—0·1	69·8	+0·7	25·1	90·4	20th	50·3	13th & 25th.	40·1
	Barisal	12	30·018	+·011	29·977	30·092	22nd	29·832	11th	·160	65·9	82·8	+1·3	58·7	—0·7	70·7	+0·3	24·1	91·8	18th	51·8	13th	40·0
	Narayanganj	26	30·005	+·009	29·979	30·074	23rd	29·906	11th	·168	63·6	81·6	0	58·6	+0·1	70·1	+0·1	23·0	89·7	18th	54·4	12th	35·3

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

§ Mean of 27 days.

B.

stations in India, etc., in February, 1915.

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., 1914 to 28th Feb., 1915.	Normal rainfall for period, 1st Dec. to 28th Feb.	Departure from normal of period, 1st Dec., 1914 to 28th Feb., 1915	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.
7	2	13	5	1	0	0	0	0	N 55° E		5·9			63		75		·771		3·4		0			0·03			5·86			0·03	Victoria Point.
...	...	...	...	...	...	...	...	...								85	0	·826	+·059	3·3	+0·2	0	2·9	−2·9	0	2·12	− 2·12	3·57	3·51	+ 0·06	0	Mergui.
5	6	10	4	1	1	1	0	0	N 46° E	N 54° W	1·6	1·0	+0·6	53	+49	90	+ 1	·803	+·103	3·1	+1·9	0	1·0	−1·0	0	0·59	− 0·59	2·73	0·95	+ 1·78	0	Tavoy.
7	0	7	13	0	1	0	0	0	N 78° E	N 84° E	2·0	1·7	+0·3	63	+15	87	+ 3	·725	+·052	3·7	+1·7	0	0·5	−0·5	0·01	0·19	− 0·18	1·76	0·51	+ 1·25	0·01	Moulmein.
1	2	3	2	1	1	0	3	1	N 19° E*	S 67° W	3·0†	2·8	+0·2	21	−26	85	+ 1	·657	+·028	3·7	+2·0	0	0·4	−0·4	0	0·28	− 0·28	4·30	0·52	+ 3·78	0	Rangoon.
24	0	0	0	0	0	0	0	4	N 45° W	N 43° W	2·7	3·3	−0·6	14	−45	87	0	·709	+·042	4·3	+2·7	0	0·3	−0·3	0	0·36	− 0·36	1·98	0·75	+ 1·23	0	Bassein.
2	12	1	1	0	0	0	0	12	N 17° W	N 9° W	3·1	6·4	−3·3	18	+ 3	77	+ 2	·748	+·042	4·4	+2·2	0	0·3	−0·3	0	0·20	− 0·20	0·83	1·13	− 0·30	0	Diamond Island.
6	9	7	0	2	1	0	0	3	N 17° E	N 6° E	1·0	1·4	−0·4	53	+18	82	− 2	·568	0	2·6	+1·2	0	0·4	−0·4	0	0·22	− 0·22	3·74	0·59	+ 3·15	0	Toungoo.
5	4	10	4	1	1	0	1	2	N 41° E		3·0			49		89		·695		4·1		0			0			0·71			0	Kyaukpyu.
5	11	8	2	0	0	0	0	2	N 19° E	N 24° E	3·0	2·6	+0·4	67	−16	76	− 8	·511	−·031	2·6	+1·4	0	0·3	−0·3	0·01	0·12	− 0·11	2·56	0·92	+ 1·64	0·01	Akyab.
18	3	4	1	1	0	0	0	1	N 34° E	N 50° W	2·9	2·6	+0·3	25	−18	58	− 8	·446	−·010	2·7	+1·4	0	0·3	−0·3	0	0·12	− 0·12	0·55	0·35	+ 0·20	0	Thayetmyo.
3	0	0	0	1	0	0	0	24	N 45° W	N 70° W	2·9	4·6	−1·7	78	+60	65	0	·434	−·008	2·0	+0·8	0	0·2	−0·2	0	0·10	− 0·10	1·31	0·59	+ 0·72	0	Minbu.
22	2	0	0	1	2	0	0	1	(a)	S 63° E	1·2	2·3	−1·1	(a)		68	− 3	·448	−·026	0·8	−0·4	0	0·5	−0·5	0·03	0·32	− 0·29	0·75	0·76	− 0·01	0·03	Yamethin.
15	3	1	1	2	3	0	0	3	N 38° E	S 30° W	2·2	1·8	+0·4	4	− 7	72‡	+ 3	·484	+·025	3·5	+2·1	1	0·2	+0·8	0·14	0·07	+ 0·07	1·58	0·44	+ 1·14	0·14	Mandalay.
6	6	1	0	0	1	0	0	14	N 30° W		1·8			63		79	+ 5	·499	+·040	3·2	+1·6	0	0·1	−0·1	0	0·03	− 0·03	1·99	0·40	+ 1·59	0	Monywa.
24	0	2	1	0	0	1	0	0	N 66° E		2·4			7		80	− 2	·355	−·010	2·3	−1·1	1	0·8	+0·2	0·26	0·28	− 0·02	4·08	1·28	+ 2·80	0·25	Lashio.
22	2	3	1	0	0	0	0	0	N 37° E	N 18° W	0·9	2·0	−1·1	18	− 6	91	+ 2	·441	+·003	3·4	+0·6	2	1·3	+0·7	0·23	0·46	− 0·23	3·34	1·63	+ 1·71	0·12	Bhamo.
26	0	1	0	1	0	0	0	0	E		1·2			5	−81	87	+ 1	·438	−·008	3·5	+0·1	4	2·0	+2·0	1·65	0·66	+0·99	2·78	1·65	+ 1·13	0·78	Myitkyina.
																																II.—Assam.
21	1	2	2	0	0	0	2	0	N 31° E		0·6			7		95	+ 3	·482	+·053	5·9	+0·9	6	4·9	+1·1	2·20	1·94	+ 0·26	2·95	4·06	− 1·11	0·62	Dibrugarh.
21	1	1	1	2	1	1	0	0	S 59° E	N 48° E	1·2	1·7	−0·5	7	−29	92	− 5	·474	+·020	6·9	+0·7	6	5·0	+1·0	2·53	1·86	+ 0·67	2·70	3·68	− 0·98	1·13	Sibsagar.
13	0	5	7	1	0	1	1	0	N 77° E		1·7			32		91	+ 3	·475	+·052	3·8	+0·4	4	2·4	+1·6	1·68	0·84	+ 0·84	1·82	1·58	+ 0·24	0·54	Tezpur.
27	0	0	0	0	0	1	0	0	S 45° W		1·2			4		81	− 8	·462	+·041	3·1	−2·2	3	2·5	+0·5	1·94	0·92	+ 1·02	1·99	1·39	+ 0·60	1·06	Gauhati.
5	1	7	6	2	3	3	1	0	S 86° E	N 67° E	3·7	3·1	+0·6	32	+ 1	83	− 1	·450	+·022	1·9	−0·4	4	1·4	+2·6	1·75	0·67	+ 1·08	1·81	1·08	+ 0·73	1·03	Dhubri.
24	0	1	3	0	0	0	0	0	N 79° E	S 63° E	1·2	1·8	−0·6	14	+ 6	86	0	·489	+·008	1·9	−1·4	2	3·6	−1·6	1·90	2·04	− 0·14	3·96	3·30	+ 0·66	0·98	Silchar.
																91	+ 4	·404	−·053	0·5		2	2·2	−0·2	1·16	1·37	− 0·21	3·10	2·37	+ 0·73	0·74	Srimangal.
																																III.—Bengal.
19	0	7	2	0	0	0	0	0	N 54° E		1·7			29		84		·434		3·0		1			0·15			6·08			0·15	Cox's Bazar.
10	0	15	3	0	0	0	0	0	N 52° E	N 45° E	1·3	2·8	−1·5	60	+ 5	79	− 4	·470	−·040	2·1	−0·1	1	1·2	−0·2	0·19	0·98	− 0·79	4·25	2·11	+ 2·14	0·18	Chittagong.
10	4	7	1	2	0	1	1	2	N 27° E		1·5			32		80	− 5	·500	−·033	2·0	−0·3	6	2·0	−2·0	0·04	1·13	− 1·09	1·40	1·79	− 0·39	0·02	Noakhali.
15	5	4	0	0	0	2	1	1	N 2° W	N 13° W	0·9	1·5	−0·6	25	+17	79	− 5	·509	−·037	1·9	−0·2	2	1·8	+0·2	0·40	1·02	− 0·62	1·64	2·04	− 0·40	0·30	Barisal.
21	1	1	0	0	1	1	0	3	N45° W	N 27° W	0·9	2·1	−1·2	11	+ 3	77	− 6	·460	−·040	1·3	−1·6	2	1·9	+0·1	1·81	1·32	+ 0·49	3·05	1·83	+ 1·22	1·12	Narayanganj.

* Wind observations for 14 days.

(a) Indeterminate.

† Mean of 26 days.

‡ „ „ 22 „

Table

(2) Abstract of observations taken at 8 hrs. at 215

Number of sub-division.	Station.	Elevation of tar-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	Victoria Point	147	29·821		29·898	29·872	20th	29·779	13th	·093	80·0	90·4		74·9		82·6		15·5	94·1	14th	73·2	26th	20·9
	Mergui	65	29·922	—·003	29·917	29·977	20th	29·866	13th	·111	78·5	89·0	—0·5	73·0	+3·2	81·0	+1·3	16·0	91·6	24th	69·9	20th	21·7
	Tavoy	19	29·970	—·017	29·922	30·029	20th	29·915	13th	·114	75·9	91·4	+0·2	72·5	+4·9	82·0	+2·5	18·9	94·4	15th	66·6	12th	27·8
	Moulmein	94	29·895	—·009	29·928	29·915	1st	29·854	7th	·091	73·6	93·8	+2·2	69·7	+1·6	81·7	+1·9	24·1	97·1	28th	64·0	10th	33·1
	Rangoon	18	29·982	+·011	29·938	30·031	20th	29·928	4th	·103	71·4	93·0	+0·5	68·4	+1·9	80·7	+1·2	24·6	96·2	18th	64·0	15th	32·2
	Bassein	27	29·969	—·002	29·933	30·008	1st & 20th.	29·928	7th	·080	73·1	91·3	+1·4	69·1	+3·2	80·2	+2·3	22·2	94·6	16th	64·9	9th & 15th.	29·7
	Diamond Island	41	29·941	—·014	29·917	29·984	22nd	29·900	4th	·084	73·5	86·1	+2·1	75·8	+2·9	80·9	+2·5	10·3	88·4	17th	73·4	18th	15·0
	Toungoo	164	29·826	+·004	29·936	29·870	1st	29·778	7th	·092	68·2	91·1	+0·7	62·1	+1·0	76·6	+0·9	29·0	95·5	27th	54·5	17th	42·0
	Kyaukpyu	18	29·982		29·940	30·032	16th	29·942	11th	·090	71·7	82·2		63·6		72·9		18·6	87·4	22nd	58·2	26th	29·2
	Akyab	20	29·997	+·010	29·958	30·053	1st	29·957	11th	·096	67·6	84·5	0	61·0	—0·4	72·7	—0·2	23·5	90·9	19th	57·3	27th	33·6
3	Thayetmyo	121	29·871	+·006	29·939	29·929	1st	29·827	11th	·102	71·3	93·2	+0·9	58·5	+1·4	75·9	+1·1	34·7	98·2	21st	52·4	15th & 16th.	45·8
—	Minbu	*165*	29·823	—·003	29·937	29·881	16th	29·764	6th	·117	67·3	91·1	+0·6	59·0	—2·2	75·0	—0·8	32·1	97·3	11th	52·0	26th	45·3
—	Yamethin	657	29·330	+·016	29·957	29·386	15th	29·260	11th	·126	67·1	92·4	+0·9	61·2	+1·1	76·8	+1·0	31·2	96·3	26th	55·4	16th	40·9
	Mandalay	250	29·751	+·012	29·958	29·822	16th	29·639	11th	·183	68·1	92·8	+2·9	60·8	+0·5	76·3	+1·7	32·0	98·1	12th	57·1	16th	41·0
	Monywa	*280*	29·716	—·009	29·955	29·778	16th	29·593	11th	·185	65·9	90·0	+2·8	61·3	+1·6	75·6	+2·2	28·7	96·2	12th	53·4	8th	42·8
	Lashio	*2,820*	27·169	0	27·115	27·230	19th	27·059	11th	·171	56·2	79·5	+0·9	50·3	+1·4	64·9	+1·1	29·2	83·1	21st, 27th & 28th.	48·5	26th	36·6
	Bhamo	*361*	29·627	+·010	29·961	29·686	1st	29·485	11th	·201	58·4	82·6	+1·7	52·8	0	67·7	+0·9	29·8	88·0	20th	48·0	8th	40·0
	Myitkyina	458	29·527	+·002	29·966	29·602	23rd	29·360	11th	·242	59·2	80·1	+1·8	55·2	+1·5	67·7	+1·7	24·9	84·6	20th & 27th.	52·2	8th & 9th.	32·4
	II.—Assam.																						
4	Dibrugarh	353	29·665	—·025	29·998	29·757	23rd	29·475	11th	·282	59·4	73·3	+1·1	57·2	+3·3	65·3	+2·2	16·1	80·8	20th	52·9	23rd	27·9
	Sibsagar	333	29·716	+·005	30·026	29·801	23rd	29·527	11th	·274	59·9	73·9	+1·1	55·9	+2·7	64·9	+1·9	18·0	79·8	28th	52·0	23rd	27·8
	Tezpur	252	29·780	+·005	30·014	29·864	23rd	29·598	11th	·266	60·3	77·2	+1·4	57·7	+2·9	67·5	+2·1	19·5	83·3	20th	54·6	23rd	28·7
	Gauhati	136	29·864	+·014	30·024	29·940	23rd	29·676	11th	·264	62·6	78·2	+0·5	54·5	+2·6	66·4	+1·5	23·7	84·8	20th	49·3	2nd	35·5
	Dhubri	115	29·922	+·016	29·997	30·002	23rd	29·771	11th	·231	61·5	77·6	0	56·8	+1·3	67·2	+0·7	20·8	85·3	18th	51·9	7th	33·4
	Silchar	104	29·918	+·012	30·008	30·018	1st	29·816	11th	·202	62·7	81·4	+0·9	56·7	+1·2	69·1	+1·1	24·7	88·6	20th	52·6	13th	36·0
	Srimangal	66	29·935§		29·954§	30·048	1st	29·839	11th	·209	55·4	84·2	+1·6	50·3	—1·8	67·2	—0·1	33·9	91·9	19th	44·1	26th	47·8
	III.—Bengal.																						
5	Cox's Bazar	36	29·977		29·959	30·039	1st	29·928	5th	·111	63·1	83·4		58·5		70·9		24·9	88·5	19th	53·7	26th	34·8
	Chittagong	87	29·941	+·003	29·977	30·010	22nd	29·869	11th	·141	63·6	83·0	+0·8	57·6	—1·1	70·3	—0·1	25·4	91·4	20th	52·4	26th	39·0
	Noakhali	43	29·995	+·018	29·936	30·070	22nd	29·888	11th	·182	65·0	82·3	+1·5	57·2	—0·1	69·8	+0·7	25·1	90·4	20th	50·3	13th & 25th.	40·1
	Barisal	12	30·018	+·011	29·977	30·092	22nd	29·832	11th	·160	65·9	82·8	+1·3	58·7	—0·7	70·7	+0·3	24·1	91·8	18th	51·8	13th	40·0
	Narayanganj	26	30·005	+·009	29·979	30·074	23rd	29·906	11th	·168	63·9	81·6	0	58·6	+0·1	70·1	+0·1	23·0	89·7	18th	54·4	12th	35·3

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

§ Mean of 27 days.

B.

stations in India, etc., in February, 1915.

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 hr.	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., 1914 to 28th Feb., 1915.	Normal rainfall for period, 1st Dec. to 28th Feb.	Departure from normal of period, 1st Dec., 1914 to 28th Feb., 1915	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.
7	2	13	5	1	0	0	0	0	N 55° E		5·9			63		75		·771		3·4		0			0·03			5·86			0·03	Victoria Point.
																85	0	·826	+ ·059	3·3	+ 0·2	0	2·9	−2·9	0	2·12	− 2·12	3·57	3·51	+ 0·06	0	Mergui.
5	6	10	4	1	1	1	0	0	N 46° E	N 54° W	1·6	1·0	+ 0·6	53	+ 49	90	+ 1	·803	+ ·103	3·1	+ 1·3	0	1·0	−1·0	0	0·59	− 0·59	2·73	0·95	+ 1·78	0	Tavoy.
7	0	7	13	0	1	0	0	0	N 73° E	N 84° E	2·0	1·7	+ 0·3	63	+ 15	87	+ 3	·725	+ ·052	3·7	+ 1·7	0	0·5	− 0·5	0·01	0·19	− 0·18	1·76	0·51	+ 1·25	0·01	Moulmein.
1	2	3	2	1	1	0	3	1	N 19° E*	S 67° W	3·0†	2·8	+ 0·2	21	−26	85	+ 1	·657	+ ·028	3·7	+ 2·0	0	0·4	−0·4	0	0·28	− 0·28	4·30	0·52	+ 3·78	0	Rangoon.
24	0	0	0	0	0	0	0	4	N 45° W	N 43° W	2·7	3·3	−0·6	14	−45	87	0	·709	+ ·042	4·3	+ 2·7	0	0·3	−0·3	0	0·36	− 0·36	1·98	0·75	+ 1·23	0	Bassein.
2	12	1	1	0	0	0	0	12	N 17° W	N 9° W	3·1	6·4	−3·3	18	+ 3	77	+ 2	·748	+ ·042	4·4	+ 2·2	0	0·3	−0·3	0	0·20	− 0·20	0·83	1·13	− 0·30	0	Diamond Island.
6	9	7	0	2	1	0	0	3	N 17° E	N 6° E	1·0	1·4	−0·4	53	+ 18	82	− 2	·568	0	2·6	+ 1·2	0	0·4	−0·4	0	0·22	− 0·22	3·74	0·59	+ 3·15	0	Toungoo.
5	4	10	4	1	1	0	1	2	N 41° E		3·0			49		89		·695		4·1		0			0			0·71			0	Kyaukpyu.
5	11	8	2	0	0	0	0	2	N 19° E	N 24° E	3·0	2·6	+ 0·4	67	−16	76	− 8	·511	−·031	2·6	+ 1·2	0	0·3	−0·3	0·01	0·12	− 0·11	2·56	0·92	+ 1·64	0·01	Akyab.
18	3	4	1	1	0	0	0	1	N 34° E	N 50° W	2·9	2·6	+ 0·3	25	−18	58	− 8	·446	−·010	2·7	+ 1·4	0	0·3	−0·3	0	0·12	− 0·12	0·55	0·35	+ 0·20	0	Thayetmyo.
3	0	0	0	1	0	0	0	24	N 45° W	N 70° W	2·9	4·6	−1·7	78	+ 60	65	0	·434	−·008	2·0	+ 0·8	0	0·2	−0·2	0	0·10	− 0·10	1·31	0·59	+ 0·72	0	Minbu.
22	2	0	0	1	2	0	0	1	(a)	S 65° E	1·2	2·3	−1·1	(a)		68	− 3	·448	−·026	0·8	−0·4	0	0·5	−0·5	0·03	0·32	− 0·29	0·75	0·76	− 0·01	0·03	Yamethin.
15	3	1	1	2	3	0	0	3	N 38° E	S 30° W	2·2	1·8	+ 0·4	4	− 7	72‡	+ 3	·482	+ ·025	3·5	+ 2·1	1	0·2	+0·8	0·14	0·07	+ 0·07	1·58	0·44	+ 1·14	0·14	Mandalay.
6	6	1	0	0	1	0	0	14	N 30° W		1·8			63		79	+ 5	·499	+ ·040	3·2	+ 1·6	0	0·1	−0·1	0	0·03	− 0·03	1·99	0·40	+ 1·59	0	Monywa.
24	0	2	1	0	0	1	0	0	N 66° E		2·4			7		80	− 2	·355	−·010	2·3	−1·1	1	0·8	+0·2	0·26	0·28	− 0·02	4·08	1·28	+ 2·80	0·25	Lashio.
22	2	3	1	0	0	0	0	0	N 31° E	N 18° W	0·9	2·0	−1·1	18	− 6	91	+ 2	·441	+ ·003	3·4	+ 0·6	2	1·3	+0·7	0·23	0·46	− 0·23	3·34	1·63	+ 1·71	0·12	Bhamo.
26	0	1	0	1	0	0	0	0	E		1·2			5	−81	87	+ 1	·438	−·008	3·5	+ 0·1	4	2·0	+2·0	1·65	0·66	+0·99	2·78	1·65	+ 1·13	0·78	Myitkyina.
																																II.—Assam.
21	1	2	2	0	0	0	2	0	N 31° E		0·6			7		95	+ 3	·482	+ ·053	5·9	+ 0·9	6	4·9	+1·1	2·20	1·94	+ 0·26	2·95	4·06	− 1·11	0·62	Dibrugarh.
21	1	1	1	2	1	1	0	0	S 59° E	N 48° E	1·2	1·7	−0·5	7	−29	92	− 5	·474	+ ·020	6·9	+ 0·7	6	5·0	+1·0	2·53	1·86	+ 0·67	2·70	3·68	− 0·98	1·13	Sibsagar.
13	0	5	7	1	0	1	1	0	N 77° E		1·7			32		91	+ 3	·475	+ ·052	3·8	+ 0·4	4	2·4	+1·6	1·68	0·84	+ 0·84	1·82	1·58	+ 0·24	0·54	Tezpur.
27	0	0	0	0	0	1	0	0	S 45° W		1·2			4		81	− 8	·462	+ ·041	3·1	−2·2	3	2·5	+0·5	1·94	0·92	+ 1·02	1·99	1·39	+ 0·60	1·06	Gauhati.
5	1	7	6	2	3	3	1	0	S 86° E	N 67° E	3·7	3·1	+ 0·6	32	+ 1	83	− 1	·450	+ ·022	1·9	−0·4	4	1·4	+2·6	1·75	0·67	+ 1·08	1·81	1·08	+ 0·73	1·03	Dhubri.
24	0	1	3	0	0	0	0	0	N 79° E	S 63° E	1·2	1·8	−0·6	14	+ 6	86	0	·489	+ ·008	1·9	−1·4	2	3·6	−1·6	1·90	2·04	− 0·14	3·96	3·30	+ 0·66	0·98	Silchar.
																91	+ 4	·404	−·053	0·5		2	2·2	−0·2	1·16	1·37	− 0·21	3·10	2·37	+ 0·73	0·74	Srimangal.
																																III.—Bengal.
19	0	7	2	0	0	0	0	0	N 54° E		1·7			29		84		·434		3·0		1			0·15			6·08			0·15	Cox's Bazar.
10	0	15	3	0	0	0	0	0	N 52° E	N 45° E	1·3	2·8	−1·5	60	+ 5	79	− 4	·470	−·040	2·1	−0·1	1	1·2	−0·2	0·19	0·98	− 0·79	4·25	2·11	+ 2·14	0·18	Chittagong.
10	4	7	1	2	0	1	1	2	N 27° E		1·5			32		80	− 5	·500	−·033	2·0	−0·3	0	2·0	−2·0	0·04	1·13	− 1·09	1·40	1·79	− 0·39	0·02	Noakhali.
15	5	4	0	0	0	2	1	1	N 2° W	N 13° W	0·9	1·5	−0·6	25	+17	79	− 5	·509	−·037	1·9	−0·2	2	1·8	+0·2	0·40	1·02	− 0·62	1·64	2·04	− 0·40	0·30	Backergunj.
21	1	1	0	0	1	1	0	3	N45° W	N 27° W	0·9	2·1	−1·2	11	+ 3	77	− 6	·460	−·040	1·3	−1·6	2	1·9	+0·1	1·81	1·32	+ 0·49	3·05	1·83	+ 1·22	1·12	Naraiganj.

* Wind observations for 14 days.

(a) Indeterminate.

† Mean of 26 days.

‡ " " 22 "

Table

(2) Abstract of observations taken at 8 hrs. at 215

Number of sub-division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	III.—Bengal—*concld.*																						
	Mymensingh	63	29·970	+·011	29·988	30·041	22nd	29·859	11th	·182	60·4	80·8	+2·2?	57·0	+1·2	68·9	+1·7?	23·8	87·6	18th	51·3	22nd	36·3
	Bogra	75	29·968	+·021	29·998	30·053	1st	29·850	10th	·203	60·1	80·0	+0·1	55·5	+1·1	67·7	+0·6	24·5	88·6	18th	49·2	22nd	39·4
	Dinajpur	123	29·897	+·006	29·981	29·989	20th	29·762	11th	·227	59·4	79·6	+0·3	53·5	+1·2	66·6	+0·7	26·1	90·5	18th	47·0	22nd	43·5
	Jalpaiguri	283	29·741	+·013	29·998	29·828	23rd	29·561	11th	·267	58·6	75·8	−0·4	52·4	−1·4	64·1	−0·4	23·4	81·6	18th	47·3	12th	34·3
	Saugor Island	10	30·026	+·014	29·981	30·105	22nd	29·951	21st	·154	69·0†	81·3†	+0·4†	63·2†	−1·8†	72·3†	−0·7	18·1	87·0	20th	54·1	22nd	32·9
	Midnapore	149	29·872*	−·003	29·975*	29·976	22nd	29·798	10th	·178	69·0	85·7	+0·3	61·5	+0·4	73·6	+0·3	24·2	97·4	18th	53·5	13th	43·9
	Calcutta	21	30·017	+·014	29·985	30·099	22nd	29·924	10th	·175	64·4	83·9	+1·9	60·7	+0·7	72·3	+1·3	23·2	93·1	18th	53·1	13th	40·0
	Jessore	30	30·017	+·023	29·995	30·107	22nd	29·925	10th	·182	65·3	82·1	−0·1	56·3	−0·9	69·2	−0·5	25·8	90·9	18th	48·1	22nd	42·8
	Burdwan	99	29·941	+·013	29·992	30·024	22nd	29·833	10th	·191	64·0	83·7	+0·5	58·4	−0·2	71·0	+0·1	25·3	94·8	18th	50·2	22nd	44·6
	Berhampore	67	29·977	+·018	29·986	30·049	23rd	29·863	10th	·186	62·2	81·2	−0·2	57·8	+1·4	69·5	+0·6	23·4	91·7	18th	50·4	22nd	41·3
	IV.—Bihar and Orissa.																						
6	Balasore	50	29·988	+·009	29·985	30·072	22nd	29·905	10th	·167	66·9	86·2	+1·6	61·6	+0·1	73·9	+0·9	24·6	96·9	18th	52·8	23rd	44·1
	Hukitala (False Point).	29	30·012	+·016	29·983	30·083	22nd	29·945	10th	·138													
	Cuttack	80	29·961	+·020	29·985	30·046	22nd	29·888	18th	·158	68·4	86·6	−2·6	64·8	−0·7	75·7	−1·7	21·8	93·5	18th	59·6	23rd	33·9
	Puri	24	30·021	+0·23	29·986	30·093	22nd	29·956	18th	·137	71·3	83·3	+0·3	68·4	−0·6	75·9	−0·1	14·9	88·9	12th	62·1	23rd	26·3
	Angul	455	29·569	+0·39	29·987	29·640	22nd	29·510	20th	·120	67·3	86·4	−0·8	60·6	−0·8	73·5	−0·8	25·8	93·7	18th	53·0	13th & 22nd.	40·7
	Sambalpur	486	29·539	+·010	29·994	29·628	2nd	29·444	5th	·184	65·9	86·0	−1·1	59·3	−0·6	72·7	−0·9	26·7	94·3	28th	49·9	12th	44·4
7	Chaibasa	*733*	29·265	−·005?	29·985	29·247	22nd	29·170	10th	·177	61·6	85·1	+0·6	57·8	+0·7	71·5	+0·7	27·3	94·0	17th	47·9	22nd	46·1
	Ranchi	2,128	27·855	+·009	29·984	27·925	2nd	27·745	10th	·180	61·0	74·3	−2·8	56·3	+1·4	65·3	−0·7	18·0	83·1	18th	46·2	22nd	36·9
	Purulia	*816*	29·191‡		29·991‡	29·205	27th	29·172	24th	·033	63·2	85·3	+3·8	59·1	+1·5	72·2	+2·7	26·2	96·3	18th	50·1	22nd	46·2
	Daltonganj	*730*	29·282	−·004	30·008	29·360	2nd	29·159	10th	·201	57·1	80·4	+1·4	53·1	+1·7	66·8	+1·5	27·3	94·1	17th	43·5	22nd	50·6
	Purnea	124	29·909	+·015	29·995	29·996	23rd	29·806	10th	·190	58·8	80·8	+2·1?	53·0	+1·7	66·9	+1·9?	27·8	89·6	18th	46·6	12th	43·0
	Monghyr	155	29·891§		30·006§	29·971	23rd	29·793	11th	·178	60·7†	76·3		57·1		66·7		19·2	85·3	18th	51·3	22nd	34·0
	Darbhanga	165	29·870	+·020	29·998	29·958	23rd	29·739	10th	·219	60·3	76·3	−0·3	53·5	0	64·9	−0·1	22·8	87·1	18th	46·3	12th	40·8
	Pusa	188	29·841		29·994	29·925	23rd	29·747	10th & 11th.	·178	58·4	77·1		51·5		64·3		25·6	88·0	18th	44·1	12th	43·9
	Patna	183	29·854	+·015	30·001	29·928	1st	29·750	10th	·178	61·8	74·8	−2·8	56·0	+2·2	65·4	−0·3	18·8	83·2	18th	46·6	12th	36·6
	Buxar	239	29·797	+·019	30·006	29·872	23rd	29·689	10th	·183	59·6	76·1	−2·2	55·7	+1·7	65·9	−0·3	20·4	86·1	18th	47·1	12th	39·0
	Gaya	372	29·670	+·022	30·012	29·741	23rd	29·548	10th	·193	63·0	78·3	−2·2	56·2	+0·4	67·2	−0·9	22·1	86·3	18th	48·0	12th	38·3
	Naya Dumka	489	29·521	+·002	29·985	29·605	1st	29·404	10th	·201	63·5	80·9	+1·2	55·7	−0·1	68·3	+0·5	25·2	91·9	17th	48·0	22nd	43·9
	V.—United Provinces of Agra and Oudh.																						
9	Gorakhpur	257	29·768	+·025	29·999	29·844	23rd	29·692	11th	·152	57·5	74·9	−2·5	52·9	+0·7	63·9	−0·9	22·0	83·9	18th	47·6	12th	36·3
	Benares	267	29·782	+·029	30·018	29·846	2nd	29·676	10th	·170	59·5	75·9	−3·5	53·2	+1·6	64·6	−0·9	22·7	85·7	17th	46·1	12th	39·6
	Allahabad	309	29·727	+·014	30·010	29·795	2nd	29·616	10th	·180	58·8	75·1	−4·4	53·3	+1·6	64·2	−1·4	21·8	86·2	17th	46·1	22nd	40·1
	Cawnpore	416	29·623	+·028	30.024	29·70	2nd	29·522	8th & 9th.	·183	55·6	74·2	−4·1	51·8	+1·2	63·0	−1·5	22·4	82·8	17th	45·1	21st	37·7

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

* Mean of 25 days.
† " " 27 "
‡ " " 3 "
§ " " 24 "

B—*continued.*

stations in India, etc., in February, 1915—*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. 1914 to 28th Feb. 1915.	Normal rainfall for period, 1st Dec. to 28th Feb.	Departure from normal of period, 1st Dec. 1914 to 28th Feb., 1915.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																III.—Bengal —*concld.*
18	0	1	3	0	0	0	2	4	N 18° W	N 74° E	1·1	1·4	−0·3	11	−20	84	+ 1	·444	−·010	2·9	+0·8	2	1·6	+ 0·4	0·61	1·00	− 0·39	1·17	1·49	− 0·32	0·40	Mymensingh.
20	2	1	0	0	1	0	3	1	N 52° W	N 27° W	1·5	1·8	− 0·3	11	0	87¶	+ 9	·465¶	+·047	2·9	+1·4	3	1·7	+ 1·3	0·80	0·88	− 0·08	0·93	1·38	− 0·45	0·41	Bogra
10	2	2	1	0	0	4	7	2	N 77° W	N 83° W	2·0	2·6	−0·6	32	+3	84	+ 4	·425	+·027	2·2	−0·2	5	1·1	+ 3·9	1·79	0·53	+ 1·26	1·85	0·95	+ 0·90	0·82	Dinajpur.
28	0	0	0	0	0	0	0	0	Calm	N 40° E	0·7			(a)		90	+ 5	·414	+·027	2·1	+0·3	5	1·1	+ 3·9	2·38	0·61	+ 1·77	2·38	1·03	+ 1·35	1·20	Jalpaiguri.
2	10	7	1	0	1	3	2	2	N 2° E	N 3° E	5·8	6·4	−0·6	47	+23	85†	− 1	·620†	−·007	2·6	+0·6	1	1·8	−0·8	0·12	1·14	− 1·02	0·61	1·81	− 1·20	0·12	Saugor Island.
9	5	3	1	1	2	2	0	5	N 8° W		2·1			25		74	+ 6	·528	+·079	0·9	−1·1	1	1·8	− 0·8	0·48	1·13	− 0·65	3·05	1·95	+ 1·10	0·48	Midnapore.
10	3	5	1	0	1	3	1	4	N 12° W	S 46° W	2·7	2·4	+0·3	21	+ 5	83	+ 2	·502	−·011	1·7	−0·8	1	1·6	− 0·6	0·39	1·15	− 0·76	2·00	1·77	+ 0·23	0·37	Calcutta.
24	1	2	1	0	0	0	0	0	N 45° E	N 18° W	1·6	1·5	+0·1	11	− 1	75	− 6	·469	−·026	0·9	−1·4	1	1·9	− 0·9	0·33	1·37	− 1·04	2·27	1·99	+ 0·28	0·25	Jessore.
17	4	1	0	0	0	2	1	3	N 36° W	N 27° W	1·3	1·5	−0·2	25	+ 5	72	+ 1	·433	+·002	2·2	−0·6	1	1·7	− 0·7	0·60	1·14	− 0·54	1·39	1·71	− 0·32	0·58	Burdwan.
15	3	1	0	2	0	2	3	2	N 58° W	S 83° W	1·3	1·6	−0·3	14	−17	77	− 3	·430	−·008	2·0	−0·5	2	1·8	+ 0·2	0·42	0·94	− 0·52	0·92	1·47	− 0·55	0·27	Berhampore.
																																IV.—Bihar and Orissa.
9	4	1	1	0	2	3	2	6	N 54° W	N 42° W	2·3	2·8	−0·5	29	− 6	79	+ 2	·527	+·012	2·1	9	1	2·1	− 1·1	0·51	1·31	− 0·80	2·00	2·17	− 0·17	0·51	Balasore.
2	7	1	0	1	0	7	3	7	N 59° W	N 57° W	6·3	5·7	+0·6	46	+ 3					3·6	+0·2	1	1·3	− 0·3	0·15	0·97	− 0·82	0·39	2·29	− 1·90	0·15	Hukitala (False Point)
20	0	2	1	0	1	1	3	0	S 75° W	N 36° E	1·4	1·5	−0·1	5	− 2	80	0	·560	−·015	2·6	−0·1	1	1·2	− 0·2	1·00	0·60	+ 0·40	1·48	1·20	+ 0·28	1·00	Cuttack.
3	8	2	0	0	2	2	2	9	N 34° W		7·8			54		86	+ 5	·663	+·002	3·4	+1·3	1	0·8	+ 0·2	1·44	0·75	+ 0·69	1·55	1·55	0	1·44	Puri.
6	1	4	0	1	1	1	2	12	N 39° W		3·4			46		73	− 3	·493	−·015	3·1	−0·1	1	1·8	− 0·8	1·59	0·96	+ 0·63	2·92	2·20	+ 0·72	1·59	Angul.
0	10	11	3	1	0	0	0	3	N 26° E	N 27° E	3·0	2·1	+0·9	74	+12	72	+ 6	·457	+·018	2·1	−0·2	1	1·6	− 0·6	0·33	0·74	− 0·41	0·84	1·40	− 0·56	0·33	Sambalpur.
10	0	0	0	0	1	14	2	1	S 51° W	S 86° W	2·3	1·1	+1·2	60	+ 3	75	− 1	·415	0	2·4	+0·2	1	2·4	− 1·4	0·77	1·56	− 0·79	1·13	2·61	− 1·48	0·77	Chaibasa.
6	3	0	1	1	2	3	3	9	N 65° W	N 68° W	3·8†	4·2	−0·4	39	+ 4	62	+ 2	·333	+·016	2·7	+0·1	3	2·9	+ 0·1	1·71	1·55	+ 0·16	2·65	2·55	+ 0·10	0·95	Ranchi.
7	2	2	0	0	1	2	6	8	N 60° W		2·1			46		67	+ 2	·386	+·011	0·5	−1·8	2	3·0	− 1·0	0·73	1·44	− 0·71	0·87	2·66	− 1·79	0·45	Purulia.
12	3	1	4	2	1	3	0	2	N 72° E		3·0			11		84	+ 9	·395	+·021	2·6	+0·6	2	2·4	− 0·4	2·58	1·14	+ 1·44	3·36	2·35	+ 1·01	1·74	Daltonganj.
1	4	2	1	0	2	10	6	2	S 80° W	S 64° W	2·7	2·3	+0·4	42	+22	85	+ 1	·420	+·030	2·9	+1·3	4	1·3	+ 2·7	1·60	0·60	+ 1·00	1·73	1·15	+ 0·58	0·84	Purnea.
16	0	1	3	0	0	2	6	0	S 76° W		2·8‡			14		62‖		·326‖		1·7		5			2·53			2·69			0·94	Monghyr.
10	1	3	1	0	3	3	4	3	N 83° W	N 89° W	2·2	2·7	−0·5	18	−13	81	+ 2	·423	+·033	3·5	+1·8	4	1·3	+ 2·7	1·91	0·49	+ 1·42	1·94	1·10	+ 0·84	0·76	Darbhanga.
5	2	1	0	2	3	4	5	3	S 76° W*		2·5			29		83		·418		3·4		5			1·73			1·89			0·75	Pusa.
12	0	2	3	0	3	3	5	0	S 30° W	S 70° W	2·7	2·4	+0·2	18	−29	76	+ 7	·423	+·050	3·7	+1·2	3	1·5	+ 1·5	1·88	0·71	+ 1·17	2·17	1·41	+ 0·76	1·18	Patna.
7	1	1	2	2	2	7	5	1	S 49° W		4·5			32		76	+10	·386	+·038	4·0	+1·5	5	1·8	+ 3·2	1·99	0·72	+ 1·27	2·78	1·65	+ 1·13	0·60	Buxar.
18	0	2	1	0	1	2	3	1	S 83° W	S 37° W	2·3	2·6	−0·3	10	−25	67	− 2	·388	+·006	2·4	−0·4	4	1·8	+ 2·2	3·60	0·83	+ 2·17	3·55	1·69	+ 1.86	1·93	Gaya.
17	0	1	0	2	0	0	0	8	N 36° W		1·8			21		71	+ 6	·412	+·023	1·8	−0·1	3	1·9	+ 1·1	0·59	0·75	− 0·16	0·83	1·41	− 0·58	0·30	Naya Dumka.
																																V.—United Provinces of Agra and Oudh.
8	0	3	3	0	2	3	9	0	S 72° W	N 73° W	2·2	1·6	+0·6	25	−14	80	+ 8	·384	+·027	2·5	+0·3	5	1·6	+ 3·4	1·64	0·53	+ 1·11	1·91	1·44	+ 0·47	0·85	Gorakhpur.
10	0	0	4	4	0	5	4	1	S 14° W	S 52° W	2·2	2·8	−0·6	21	−13	78	+ 3	·399	+·026	3·2	+0·7	6	1·8	+ 4·2	2·27	0·70	+ 1·57	3·48	1·67	+ 1·81	1·32	Benares.
7	0	3	3	1	1	0	10	3	N 68° W	N 81° W	2·3	3·3	−1·0	25	+ 1	73	+ 5	·365	+·015	3·9	+1·2	5	1·4	+ 3·6	2·15	0·50	+ 1·65	2·93	1·59	+ 1·34	0·76	Allahabad.
6	2	2	2	1	0	4	5	6	N 62° W	N 81° W	2·1	2·8	−0·7	32	+ 8	82	+15	·373	+·053	2·2	+0·2	3	1·7	+ 1·3	1·04	0·63	+ 0·41	2·22	1·46	+ 0·76	0·39	Cawnpore.

(a) Indeterminate. * 3 winds variable. † Mean of 27 days. ‖ " " 25 " ‡ Mean of 18 days. ¶ " " 23 "

Table

(2) Abstract of observations taken at 8 hrs. at 215

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
	III.—Bengal—*concld.*																						
	Mymensingh	63	29·970	+·011	29·988	30·041	22nd	29·859	11th	·182	60·4	80·8	+2·2?	57·0	+1·2	68·9	+1·7?	23·8	87·6	18th	51·3	22nd	36·3
	Bogra	75	29·968	+·021	29·998	30·053	1st	29·850	10th	·203	60·1	80·0	+0·1	55·5	+1·1	67·7	+0·6	24·5	88·6	18th	49·2	22nd	39·4
	Dinajpur	123	29·897	+·006	29·981	29·989	20th	29·762	11th	·227	59·4	79·6	+0·3	53·5	+1·2	66·6	+0·7	26·1	90·5	18th	47·0	22nd	43·5
	Jalpaiguri	283	29·741	+·013	29·998	29·828	23rd	29·561	11th	·267	58·6	75·8	−0·4	52·4	−1·4	64·1	−0·4	23·4	81·6	18th	47·3	12th	34·3
	Saugor Island	10	30·026	+·014	29·981	30·105	22nd	29·951	21st	·154	69·0†	81·3†	+0·4†	63·2†	−1·8†	72·3†	−0·7	18·1	87·0	20th	54·1	22nd	32·9
	Midnapore	149	29·872*	−·003	29·975*	29·976	22nd	29·798	10th	·178	69·0	85·7	+0·3	61·5	+0·4	73·6	+0·3	24·2	97·4	18th	53·5	13th	43·9
	Calcutta	21	30·017	+·014	29·985	30·099	22nd	29·924	10th	·175	64·4	83·9	+1·9	60·7	+0·7	72·3	+1·3	23·2	93·1	18th	53·1	13th	40·0
	Jessore	30	30·017	+·023	29·995	30·107	22nd	29·925	10th	·182	65·3	82·1	−0·1	56·3	−0·9	69·2	−0·5	25·8	90·9	18th	48·1	22nd	42·8
	Burdwan	99	29·941	+·013	29·992	30·024	22nd	29·833	10th	·191	64·0	83·7	+0·5	58·4	−0·2	71·0	+0·1	25·3	94·8	18th	50·2	22nd	44·6
	Berhampore	67	29·977	+·018	29·996	30·049	23rd	29·863	10th	·186	62·2	81·2	−0·2	57·8	+1·4	69·5	+0·6	23·4	91·7	18th	50·4	22nd	41·3
	IV.—Bihar and Orissa.																						
6	Balasore	50	29·988	+·009	29·985	30·072	22nd	29·905	10th	·167	66·9	86·2	+1·6	61·6	+0·1	73·9	+0·9	24·6	96·9	18th	52·8	23rd	44·1
	Hukitala (False Point).	29	30·012	+·016	29·983	30·083	22nd	29·945	10th	·138													
	Cuttack	80	29·961	+·020	29·985	30·046	22nd	29·888	18th	·158	68·4	86·6	−2·6	64·8	−0·7	75·7	−1·7	21·8	93·5	18th	59·6	23rd	33·9
	Puri	24	30·021	+0·23	29·986	30·093	22nd	29·956	18th	·137	71·3	83·3	+0·3	68·4	−0·6	75·9	−0·1	14·9	88·9	12th	62·1	23rd	26·8
	Angul	455	29·569	+0·39	29·987	29·640	22nd	29·510	20th	·120	67·3	86·4	−0·8	60·6	−0·8	73·5	−0·8	25·8	93·7	18th	53·0	13th & 22nd.	40·7
	Sambalpur	486	29·539	+·010	29·994	29·628	2nd	29·444	5th	·184	65·9	86·0	−1·1	59·3	−0·6	72·7	−0·9	26·7	94·3	23th	49·9	12th	4·44
7	Chaibasa	*733*	29·265	−·005?	29·985	29·347	22nd	29·170	10th	·177	61·6	85·1	+0·6	57·8	+0·7	71·5	+0·7	27·3	94·0	17th	47·9	22nd	46·1
	Ranchi	2,128	27·855	+·009	29·984	27·925	2nd	27·745	10th	·180	61·0	74·3	−2·8	56·3	+1·4	65·3	−0·7	18·0	83·1	18th	46·2	22nd	36·9
	Purulia	*816*	29·191‡		29·991‡	29·205	27th	29·172	24th	·033	63·2	85·3	+3·8	59·1	+1·5	72·2	+2·7	26·2	96·3	18th	50·1	22nd	46·2
	Daltonganj	*730*	29·282	−·004	30·008	29·360	2nd	29·159	10th	·201	57·1	80·4	+1·4	53·1	+1·7	66·8	+1·5	27·3	94·1	17th	43·5	22nd	50·6
	Purnea	124	29·909	+·015	29·995	29·996	23rd	29·806	10th	·190	58·8	80·8	+2·1?	53·0	+1·7	66·9	+1·9?	27·8	89·6	18th	46·6	12th	43·0
	Monghyr	158	29·891§		30·006§	29·971	23rd	29·793	11th	·178	60·7†	76·3		57·1		66·7		19·2	85·3	18th	51·3	22nd	34·0
	Darbhanga	165	29·870	+·020	29·998	29·958	23rd	29·739	10th	·219	60·3	76·3	−0·3	53·5	0	64·9	−0·1	22·8	87·1	18th	46·3	12th	40·8
	Pusa	188	29·841		29·994	29·925	23rd	29·747	10th & 11th.	·178	58·4	77·1		51·5		64·3		25·6	88·0	18th	44·1	12th	43·9
	Patna	183	29·854	+·015	30·001	29·928	1st	29·750	10th	·178	61·8	74·8	−2·8	56·0	+2·2	65·4	−0·3	18·8	83·2	18th	46·6	12th	36·6
	Buxar	239	29·797	+·019	30·006	29·872	23rd	29·689	10th	·183	59·6	76·1	−2·2	55·7	+1·7	65·9	−0·3	20·4	86·1	18th	47·1	12th	39·0
	Gaya	372	29·670	+·022	30·012	29·741	23rd	29·548	10th	·193	63·0	78·3	−2·2	56·2	+0·4	67·2	−0·9	22·1	86·3	18th	48·0	12th	38·3
	Nara Dumka	489	29·521	+·002	29·985	29·605	1st	29·404	10th	·201	63·5	80·9	+1·2	55·7	−0·1	68·3	+0·5	25·2	91·9	17th	48·0	22nd	43·9
	V.—United Provinces of Agra and Oudh.																						
9	Gorakhpur	257	29·768	+·025	29·999	29·844	23rd	29·692	11th	·152	57·5	74·9	−2·5	52·9	+0·7	63·9	−0·9	22·0	83·9	18th	47·6	12th	36·3
	Benares	267	29·782	+·029	30·018	29·846	2nd	29·676	10th	·170	59·5	75·9	−3·5	53·2	+1·6	64·6	−0·9	22·7	85·7	17th	46·1	12th	39·6
	Allahabad	309	29·727	+·014	30·010	29·796	2nd	29·616	10th	·180	58·8	75·1	−4·4	53·3	+1·6	64·2	−1·4	21·8	86·2	17th	46·1	22nd	40·1
	Cawnpore	416	29·623	+·028	30.024	29·70	2nd	23·522	8th & 9th.	·183	55·6	74·2	−4·1	51·8	+1·2	63·0	−1·5	22·4	82·8	17th	45·1	21st	37·7

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

* Mean of 25 days.
† " " 27 "
‡ " " 3 "
§ " " 24 "

B—*continued.*

stations in India, etc., in February, 1915—*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. 1914 to 28th Feb. 1915.	Normal rainfall for period, 1st Dec. to 28th Feb.	Departure from normal of period, 1st Dec. 1914 to 28th Feb., 1915.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																III.—Bengal —*concld.*
18	0	1	3	0	0	0	2	4	N 18° W	N 74° E	1·1	1·4	−0·3	11	−20	84	+ 1	·444	−·010	2·9	+0·8	2	1·6	+ 0·4	0·61	1·00	− 0·39	1·17	1·49	− 0·32	0·40	Mymensingh.
20	2	1	0	0	1	0	3	1	N 52° W	N 27° W	1·5	1·8	−0·3	11	0	87¶	+ 9	·465¶	+·047	2·9	+1·4	3	1·7	+ 1·3	0·80	0·88	− 0·08	0·93	1·38	− 0·45	0·41	Bogra
10	2	2	1	0	0	4	7	2	N 77° W	N 83° W	2·0	2·6	−0·6	32	+3	84	+ 4	·425	+·027	2·2	−0·2	5	1·1	+ 3·9	1·79	0·53	+ 1·26	1·85	0·95	+ 0·90	0·82	Dinajpur.
28	0	0	0	0	0	0	0	0	Calm	N 40° E	0·7			(a)		90	+ 5	·414	+·027	2·1	+0·3	5	1·1	+ 3·9	2·38	0·61	+ 1·77	2·38	1·03	+ 1·35	1·20	Jalpaiguri.
2	10	7	1	0	1	3	2	2	N 2° E	N 3° E	5·8	6·4	−0·6	47	+23	85†	− 1	·620†	−·007	2·6	+0·6	1	1·8	−0·8	0·12	1·14	− 1·02	0·61	1·81	− 1·20	0·12	Saugor Island.
9	5	3	1	1	2	2	0	5	N 8° W		2·1			25		74	+ 6	·528	+·079	0·9	−1·1	1	1·8	− 0·8	0·48	1·13	− 0·65	3·05	1·95	+ 1·10	0·48	Midnapore.
10	3	5	1	0	1	3	1	4	N 12° W	S 46° W	2·7	2·4	+0·3	21	+ 5	83	+ 2	·502	−·011	1·7	−0·8	1	1·6	− 0·6	0·39	1·15	− 0·76	2·00	1·77	+ 0·23	0·37	Calcutta.
24	1	2	1	0	0	0	0	0	N 45° E	N 18° W	1·6	1·5	+0·1	11	− 1	75	− 6	·469	−·026	0·9	−1·4	1	1·9	− 0·9	0·33	1·37	− 1·04	2·27	1·99	+ 0·28	0·25	Jessore.
17	4	1	0	0	0	2	1	3	N 36° W	N 27° W	1·3	1·5	−0·2	25	+ 5	72	+ 1	·433	+·002	2·2	−0·6	1	1·7	− 0·7	0·60	1·14	− 0·54	1·39	1·71	− 0·32	0·58	Burdwan.
15	3	1	0	2	0	2	3	2	N 58° W	S 83° W	1·3	1·6	−0·3	14	−17	77	− 3	·430	−·008	2·0	−0·5	2	1·8	+ 0·2	0·42	0·94	− 0·52	0·92	1·47	− 0·55	0·27	Berhampore.
																																IV.—Bihar and Orissa.
9	4	1	1	0	2	3	2	6	N 54° W	N 42° W	2·3	2·8	−0·5	29	− 6	79	+ 2	·527	+·012	2·1	0	1	2·1	− 1·1	0·51	1·31	− 0·80	2·00	2·17	− 0·17	0·51	Balasore.
2	7	1	0	1	0	7	3	7	N 59° W	N 57° W	6·3	5·7	+0·6	46	+ 3					3·6	+0·2	1	1·3	− 0·3	0·15	0·97	− 0·82	0·39	2·29	− 1·90	0·15	Hukitala (False Point)
20	0	2	1	0	1	1	3	0	S 75° W	N 36° E	1·4	1·5	−0·1	5	− 2	80	0	·560	−·015	2·6	−0·1	1	1·2	− 0·2	1·00	0·60	+ 0·40	1·48	1·20	+ 0·28	1·00	Cuttack.
3	8	2	0	0	2	2	2	9	N 34° W		7·8			54		86	+ 5	·663	+·002	3·4	+1·3	1	0·8	+ 0·2	1·44	0·75	+ 0·69	1·55	1·55	0	1·44	Puri.
6	1	4	0	1	1	1	2	12	N 39° W		3·4			46		73	− 3	·493	−·015	3·1	−0·1	1	1·8	− 0·8	1·59	0·96	+ 0·63	2·92	2·20	+ 0·72	1·59	Angul.
0	10	11	3	1	0	0	0	3	N 26° E	N 27° E	3·0	2·1	+0·9	74	+12	72	+ 6	·457	+·018	2·1	−0·2	1	1·6	− 0·6	0·33	0·74	− 0·41	0·84	1·40	− 0·56	0·33	Sambalpur.
10	0	0	0	0	1	14	2	1	S 51° W	S 86° W	2·3	1·1	+1·2	60	+ 3	75	− 1	·415	0	2·4	+0·2	1	2·4	− 1·4	0·77	1·56	− 0·79	1·13	2·61	− 1·48	0·77	Chaibasa.
6	3	0	1	1	2	3	3	9	N 65° W	N 68° W	3·8†	4·2	−0·4	33	+ 4	62	+ 2	·333	+·016	2·7	+0·1	3	2·9	+ 0·1	1·71	1·55	+ 0·16	2·65	2·55	+ 0·10	0·95	Banchi.
7	2	2	0	0	1	2	6	8	N 60° W		2·1			46		67	+ 2	·386	+·011	0·5	−1·8	2	3·0	− 1·0	0·73	1·44	− 0·71	0·87	2·66	− 1·79	0·45	Purulia.
12	3	1	4	2	1	3	0	2	N 72° E		3·0			11		84	+ 9	·395	+·021	2·6	+0·6	2	2·4	− 0·4	2·58	1·14	+ 1·44	3·36	2·35	+ 1·01	1·74	Daltonganj.
1	4	2	1	0	2	10	6	2	S 80° W	S 64° W	2·7	2·3	+0·4	42	+22	85	+ 1	·420	+·030	2·9	+1·3	4	1·3	+ 2·7	1·60	0·60	+ 1·00	1·73	1·15	+ 0·58	0·84	Purnea.
16	0	1	3	0	0	2	6	0	S 76° W		2·8‡			14		62‖		·326‖		1·7		5			2·53			2·69			0·94	Monghyr.
10	1	3	1	0	3	3	4	3	N 89° W	N 89° W	2·2	2·7	−0·5	18	−13	81	+ 2	·423	+·033	3·5	+1·8	4	1·3	+ 2·7	1·91	0·49	+ 1·42	1·94	1·10	+ 0·84	0·76	Darbhanga.
5	2	1	0	2	3	4	5	3	S 76° W*		2·5			29		83		·418		3·4		5			1·73			1·89			0·75	Pusa.
12	0	2	3	0	3	3	5	0	S 30° W	S 70° W	2·7	2·4	+0·3	18	−29	76	+ 7	·423	+·050	3·7	+1·2	3	1·5	+ 1·5	1·88	0·71	+ 1·17	2·17	1·41	+ 0·76	1·18	Patna.
7	1	1	2	2	2	7	5	1	S 49° W		4·5			32		76	+10	·386	+·038	4·0	+1·5	5	1·8	+ 3·2	1·99	0·72	+ 1·27	2·78	1·65	+ 1·13	0·60	Buxar.
18	0	2	1	0	1	2	3	1	S 83° W	S 37° W	2·3	2·6	−0·3	10	−25	67	− 2	·388	+·006	2·2	−0·4	4	1·8	+ 2·2	3·00	0·83	+ 2·17	3·55	1·69	+ 1.86	1·93	Gaya.
17	0	1	0	2	0	0	0	8	N 36° W		1·5			21		71	+ 6	·412	+·023	1·8	−0·1	3	1·9	+ 1·1	0·59	0·75	− 0·16	0·83	1·41	− 0·58	0·30	Naya Dumka.
																																V.—United Provinces of Agra and Oudh.
8	0	3	3	0	2	3	9	0	S 72° W	N 73° W	2·2	1·6	+0·6	25	−14	80	+ 8	·384	+·027	2·5	+0·3	5	1·6	+ 3·4	1·64	0·53	+ 1·11	1·91	1·44	+ 0·47	0·85	Gorakhpur.
10	0	0	4	4	0	5	4	1	S 14° W	S 52° W	2·2	2·8	−0·6	21	−13	72	+ 3	·399	+·026	3·2	+0·7	6	1·8	+ 4·2	2·27	0·70	+ 1·57	3·48	1·67	+ 1·81	1·32	Benares.
7	0	3	3	1	1	0	10	3	N 68° W	N 81° W	2·3	3·3	−1·0	25	+ 1	73	+ 5	·365	+·015	3·9	+1·2	5	1·4	+ 3·6	2·15	0·50	+ 1·65	2·93	1·59	+ 1·34	0·76	Allahabad.
6	2	2	2	1	0	4	5	6	N 62° W	N 81° W	2·1	2·8	−0·7	32	+ 8	82	+15	·373	+·053	2·2	+0·2	3	1·7	+ 1·3	1·04	0·63	+ 0·41	2·22	1·46	+ 0·76	0·39	Cawnpore.

(a) Indeterminate. * 3 winds variable. † Mean of 27 days. ‖ " " 25 " ‡ Mean of 18 days. ¶ " " 23 "

Table

(2) Abstract of observations taken at 8 hrs. at 215

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 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
	V.—United Provinces of Agra and Oudh—*concld.*																						
	Lucknow	368	29·670	+·027	30·019	29·742	2nd	29·581	9th	·161	57·5	74·4	−4·0	52·2	+1·5	63·3	−1·3	22·2	83·4	17th	46·0	18th & 21st.	37·4
	Bahraich	407	29·600	+·012	29·995	29·670	1st	29·529	10th	·141	54·7	72·4	−3·9	50·5	+0·1	61·4	−1·9	21·9	79·4	17th	42·9	18th	36·5
10	Jhansi	824	29·207	+·005	30·033	29·297	2nd	29·043	8th	·254	58·8	76·6	−4·1	52·5	−3·1	64·6	−3·6	24·1	87·8	17th	44·9	18th	42·9
	Agra	556	29·479	+·018	30·027	29·568	2nd	29·283	8th	·285	58·3	73·4	−4·3	51·5	−0·7	62·4	−2·5	21·9	79·4	24th & 26th.	42·7	11th	36·7
	Mainpuri	516	29·500	+·010	30·008	29·583	2nd	29·357	8th	·226	55·1	73·4	−3·1	50·3	+0·6	61·8	−1·1	23·1	80·2	26th	43·1	19th	37·1
	Bareilly	568	29·441	+·023	30·008	29·519	2nd	29·345	8th	·174	54·3	71·8	−3·0	49·0	−0·6	60·4	−1·8	22·8	77·6	17th	42·0	10th	35·6
	Roorkee	899	29·101	+·025	30·029	29·203	2nd	29·028	4th	·175	51·6	68·5	−4·3	46·3	−0·7	57·5	−2·5	22·2	76·8	28th	39·8	20th	37·0
	VI.—Punjab.																						
11	Delhi	718	29·284	+·002	30·015	29·385	2nd	29·096	8th	·289	52·9*	67·4†	−5·4†	49·9*	−1·4*	58·2†	−3·4	17·5	72·2	16th	41·8	11th	30·4
	Hissar	725	29·269	+·009	30·030	29·399	17th	29·063	8th	·336	51·6	71·9	−2·6	46·0	−0·6	58·9	−1·6	25·9	81·5	27th	38·5	17th	43·0
	Patiala‡	*818*	29·159	−·006	30·004	29·267	17th	28·968	8th	·299	50·4	68·2	−3·0	47·3	0	57·6	−1·5	20·9	78·8	27th	40·8	17th	38·9
	Ambala	892	29·105	+·021	30·031	29·205	2nd	28·942	8th	·263	50·7	70·0	−1·8	45·9	−1·0	57·9	−1·4	24·1	80·1	27th	38·1	20th	42·0
	Ludhiana	812	29·188	+·014	30·029	29·311	2nd	28·962	8th	·349	50·1	67·9	−2·7	47·2	−0·4	57·5	−1·5	20·7	77·7	28th	41·2	11th	36·5
	Lahore	702	29·300	+·002	30·027	29·446	2nd	28·990	8th	·456	50·0	69·5	−2·6	45·7	+1·2	57·6	−0·7	23·8	78·8	27th	38·8	11th	40·0
	Sialkot	830	29·160	−·002	30·028	29·309	2nd	28·855	8th	·454	48·5	66·2	−3·3	43·4	−2·5	54·8	−2·9	22·8	74·1	26th & 27th.	36·5	10th	37·6
	Rawalpindi	1,674	28·306	−·006	30·073	28·472	2nd	27·946	8th	·526	45·3	64·4	−0·4	40·9	−0·3	52·7	−0·3	23·5	71·8	27th	33·1	11th	38·7
12	Khushab	612	29·409	−·003	30·040	29·578	2nd	29·015	8th	·563	51·2	69·0	−1·5	44·0	−1·7	56·5	−1·6	25·0	78·1	27th	34·5	11th	43·6
	Lyallpur	605	29·397		30·019	29·558	2nd	29·031	8th	·527	49·2	69·5		42·5		56·0		27·0	78·5	27th	33·8	10th	44·7
	Montgomery	558	29·441	−·018	30·010	29·592	2nd	29·084	8th	·508	51·1	70·9	−1·6	46·4	+1·0	58·6	−0·3	24·5	81·4	27th	38·3	17th	43·1
	Multan	426	29·602	−·006	30·024	29·773	17th	29·208	8th	·565	52·8	74·8	+1·2	47·7	+0·4	61·3	+0·8	27·1	83·5	27th	39·5	11th	44·0
	VII.—North-West Frontier Province.																						
13	Peshawar	1,113	28·902	−·022	30·079	29·080	2nd	28·556	8th	·524	45·7	63·3	−2·4	41·3	−1·2	52·3	−1·8	22·0	71·4	27th	33·9	10th	37·5
	D. I. Khan	590	29·431	−·028	30·041	29·624	2nd	29·024	8th	·600	48·5	70·3	−1·3	44·0	−0·3	57·1	−0·8	26·3	78·8	28th	34·3	11th	44·5
	VIII.—Sind.																						
16	Jacobabad	186	29·863	+·008	30·021	30·019	17th	29·593	8th	·426	55·3	78·6	+0·8	48·5	+0·3	63·6	+0·5	30·1	88·5	27th	35·2	17th	53·3
	Hyderabad	96	29·957	+·004	30·010	30·088	17th	29·691	8th	·397	58·3	79·5	−1·0	53·4	−0·6	66·4	−0·8	26·1	88·1	26th & 27th.	42·9	16th	45·2
	Karachi	13	30·061	+·014	30·024	30·172	17th	29·802	8th	·370	62·9	77·7	−0·5	58·7	−2·8	68·2	−1·7	19·0	83·8	26th	49·9	21st	33·9
	IX.—Rajputana.																						
17	Bikaner	*772*	29·225	−·007	30·006	29·370	17th	28·940	8th	·430	55·6	74·2	−1·5	50·0	−2·4	62·1	−1·9	24·2	85·5	27th	43·9	11th & 17th.	41·6
	Jodhpur	780	29·240	+·010	30·021	29·369	17th	29·032	8th	·337	58·5	78·2	−1·8	53·2	+0·2	65·7	−0·8	25·0	89·4	27th	44·5	17th	44·9
18	Jaipur	1,431	28·566	−·006	30·029	28·664	17th	28·359	8th	·305	56·5	74·9	−3·1	50·0	−1·4	62·4	−2·3	24·9	83·0	16th	40·1	21st	42·9
	Ajmer	1,611	28·401	+·006	30·055	28·504	17th	28·176	8th	·328	53·0	71·9	−5·4	49·5	−0·1	60·7	−2·7	22·4	80·7	16th	41·9	20th	38·8
	Kotah	832	29·189	+·009	30·019	29·269	17th	28·943	8th	·356	60·6	76·4	−5·1	54·7	−0·4	65·5	−2·7	21·7	89·4	16th	48·6	17th	40·8

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

* Mean of 26 days.
† " 21 "
‡ Observations of 27 days.

B—*continued.*

stations in India, etc., in February, 1915—*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. 1914 to 28th Feb 1915.	Normal rainfall for period, 1st Dec. to 28th February.	Departure from normal of period, 1st Dec. 1914 to 28th Feb. 1915.	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
																																V.—United Provinces of Agra and Oudh—*concld.*
11	1	1	3	1	1	2	7	1	S 81° W	N 74° W	1·5	2·2	−0·7	17	−13	77	+ 8	·371	+·046	3·4	+0·6	4	1·4	+2·6	2·61	0·57	+2·04	3·29	1·76	+1·53	1·14	Lucknow.
10	0	0	3	1	0	6	4	4	S 74° W	N 68° W	1·3	2·3	−1·0	25	− 6	83	+ 6	·357	+·001	2·4	+0·3	5	2·2	+2·8	2·33	0·99	+1·34	2·86	2·20	+0·66	0·58	Bahraich.
6	2	2	4	2	0	6	3	3	S 87° W	S 81° W	3·5	1·8	+1·7	9	−14	63	+ 7	·313	+·003	2·3	+0·7	4	1·2	+2·8	1·98	0·45	+1·53	2·07	1·40	+0·67	1·17	Jhansi.
5	1	0	2	3	2	7	5	3	S 53° W	N 53° W	3·1	3·1	0	36	− 3	74	+11	·365	+·070	2·9	+0·3	4	0·9	+3·1	3·78	0·37	+3·41	4·29	1·24	+3·05	2.04	Agra.
4	1	2	3	4	1	2	9	2	S 73° W	N 63° W	1·7	1·5	+0·2	18	− 2	81	+11	·355	+·048	2·8	−0·4	4	1·6	+2·4	1·92	0·72	+1·20	2·13	1·84	+0·29	0·72	Mainpuri.
11	0	0	5	1	0	4	5	2	S 58° W	N 51° W	1·6	2·3	−0·7	11	−15	81	+ 6	·344	+·027	2·9	0	4	1·8	+2·2	6·72	0·77	+5·95	6·86	2·20	+4·66	3·75	Bareilly.
14	0	0	0	3	0	0	1	10	N 50° W	N 40° W	2·4	2·0	+0·4	29	+17	88	+ 7	·331	+·031	2·6	−0·5	4	2·7	+1·3	4·01	1·49	+2·52	6·90	3·71	+3·19	2·72	Roorkee.
																																VI.—Punjab.
5	2	0	0	4	1	1	11	4	N 89° W	N 86° W	3·3	2·6	+0·7	42	+ 9	75*	+12	·305*	+·031	2·6	−0·8	4	1·6	+2·4	6·04	0·66	+5·38	7·33	2·21	+5·12	3·77	Delhi.
4	2	2	5	4	3	3	3	2	S 41° E		4·5			14		74	+ 3	·286	+·010	2·8	−0·6	3	1·0	+2·0	1·66	0·34	+1·32	2·47	1·32	+1·15	0·75	Hissar.
4	3	0	3	3	0	2	6	6	N 60° W		4·6‡			30		80	+ 5	·293	−.008	3·1	−0·5	4	2·3	+1·7	2·05	1·44	+0·61	3·71	3·15	+0·56	0·74	Patiala.
3	15	1	4	1	1	0	0	3	N 12° E	N 39° W	4·5	1·7	+2·8	56	+31	82	+ 2	·307	+·001	3·1	−0·6	4	3·4	+0·6	1·84	2·08	−0·24	3·49	4·34	−0·85	0·67	Ambala.
19	1	1	0	1	2	0	2	2	N 79° W	N 52° W	1·7	1·4	+0·3	7	−21	83	+ 7	·302	+·010	2·1	−1·7	4	2·6	+1·4	2·71	1·38	+1·33	5·68	3·85	+1·83	1·35	Ludhiana.
17	2	1	2	1	1	0	1	3	N 6° E	N 23° W	2·0	1·6	+0·4	11	+ 2	82	+ 3	·298	+·009	3·8	+0·2	4	2·2	+1·8	2·26	0·99	+1·27	3·24	2·45	+0·79	0·83	Lahore.
11	4	2	1	2	0	0	3	5	N 20° W	N 18° E	1·8	1·3	+0·5	29	+15	92	+15	·315	+·022	4·0	+1·0	6	3·1	+2·9	2·40	1·72	+0·68	3·30	4·70	−1·40	0·75	Sialkot.
10	3	3	0	1	2	1	4	4	N 46° W	N 45° W	2·7	1·7	+1·0	29	+ 5	87	+ 8	·264	+·014	4·8	+0·6	6	3·8	+2·2	3·70	2·29	+1·41	6·46	5·93	+0·53	1·58	Rawalpindi.
14	2	3	2	0	1	2	3	1	N 23° W	N 29° E	3·0	2·4	+0·6	7	− 4	72	+ 6	·273	+·030	3·9	+0·8	4	2·0	+2·0	0·65	0·87	−0·02	1·89	2·09	−0·20	0·26	Khushab.
5	2	2	1	4	1	5	0	5	N 64° W		2·5			14		80		·279		4·4		2	1·5	+0·5	0·34	0·70	−0·36	0·53	1·32	−0·79	0·18	Lyallpur.
3	5	4	4	4	0	1	2	5	N 24° W	N 18° E	4·1	3·1	+1·0	29	+13	72	+ 8	·272	+·023	3·5	+0·2	1	1·4	−0·4	1·44	0·48	+0·96	1·62	1·43	+0·19	1·28	Montgomery.
13	4	4	1	3	0	0	1	2	N 30° E	N 37° E	1·4	1·3	+0·1	25	+ 5	67	+ 2	·267	+·004	2·2	−0·8	0	1·4	−1·4	0·02	0·40	−0·38	0·02	1·01	−1·02	0·02	Multan.
																																VII.—North-West Frontier Province.
15	0	1	0	0	10	1	0	1	S 4° W	S 27° W	1·8	2·3	−0·5	32	− 7	81	+ 9	·252	+·013	4·3	−0·1	5	3·1	+1·9	4·18	1·31	+2·87	5·42	3·44	+1·98	2·17	Peshawar.
16	2	5	0	1	0	0	0	4	N 11° E	N 22° W	1·3	1·4	−0·1	29	+ 5	74	+ 5	·259	+·010	1·9	−1·4	0	1·7	−1·7	0·13	0·71	−0·58	0·45	1·44	−0·99	0·09	D. I. Khan.
																																VIII.—Sind.
15	2	3	2	0	1	0	0	5	N 5° E	N 37° E	1·8	2·2	−0·4	25	+ 5	57	+ 1	·257	+·012	1·6	−1·4	0	1·1	−1·1	0·07	0·36	−0·29	0·14	0·78	−0·64	0·07	Jacobabad.
0	17	1	0	1	3	3	1	2	N 13° W	N 21° W	4·8	5·0	−0·2	46	+ 6	59	+ 3	·294	+·007	0·6	−1·9	0	0·7	−0·7	0·02	0·28	−0·26	0·02	0·57	−0·55	0·02	Hyderabad.
0	7	12	3	0	0	1	1	4	N 21° E	N 39° E	6·8	7·2	−0·4	67	+ 8	54	−12	·326	−·092	1·8	−0·5	1	1·0	0	0·11	0·41	−0·30	0·64	1·16	−0·52	0·11	Karachi.
																																IX.—Rajputana.
8	0	1	5	4	3	2	3	1	S 31° E	N 39° W	4·4	3·3	+1·1	25	+ 1	50	− 2	·225	−·010	2·5	−0·6	3	0·8	+2·2	1·84	0·29	+1·55	2·24	0·80	+1·44	1·35	Bikaner.
3	4	16	1	0	0	2	2	0	N 33° E		3·5			60		41	− 1	·204	−·005	2·2	−0·7	1	0·6	+0·4	0·29	0·22	+0·07	0·46	0·53	−0·07	0·15	Jodhpur.
9	4	5	4	0	1	2	0	3	N 29° E	N 2° W	3·3	2·8	+0·5	32	+ 1	58	+ 5	·290	+·034	2·7	−0·3	4	0·7	+3·3	1·46	0·26	+1·20	1·87	0·97	+0·90	0·73	Jaipur.
15	0	3	0	1	1	3	2	3	N 83° W	N 2° W	3·1	1·8	+1·3	12	+ 1	67	+ 5	·273	+·003	2·0	−0·5	2	0·8	+1·2	1·22	0·28	+0·94	1·98	0·95	+1·03	0·93	Ajmer.
16	1	2	2	3	0	0	2	2	N 51° E		2·4			11		59	+12	·315	+·064	2·5	+0·6	3	0·5	+2·5	3·10	0·24	+2·86	4·51	0·76	+3·75	2·00	Kotah.

* Mean of 26 days.
‡ " " 25 "

Table

(2) Abstract of observations taken at 8 hrs. at 215

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.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	X.—Bombay.																						
19	Deesa	466	29·560	+·008	30·002	29·660	17th	29·416	8th	·244	61·7	84·4	−1·8	52·6	−1·9	68·5	−1·9	31·8	94·1	26th	43·1	19th	51·0
	Bhuj	334	29·705	+·007	30·002	29·820	17th	29·512	8th	·308	63·1	81·6	−2·1	56·6*	−0·3*	69·7*	−1·2	25·0	90·2	26th	52·0	1st, 6th & 7th.	38·2
	Jamnagar	61	29·982	−·018	29·992	30·084	17th	29·819	8th	·265	65·1	82·0	−0·1	55·0	−0·8	68·4	−0·5	27·0	89·4	9th & 28th.	44·6	17th	44·8
	Dwarka	37	30·021	−·009	30·004	30·122	17th	29·862	8th	·260	67·1	77·3	−0·8	61·3	−0·7	69·3	−0·7	16·0	86·9	25th	53·9	21st	33·0
	Rajkot	429	29·589	−·014	29·988	29·677	17th & 20th.	29·467	8th	·210	62·2	84·6	−2·0	51·9	−2·1	68·3	−2·1	32·7	91·4	28th	40·9	18th	50·5
	Veraval	*18*	30·013	+·002	29·974	30·096	20th	29·928	4th	·168	64·9	80·3	−1·2	59·4	−1·2	69·8	−1·2	20·9	92·1	14th	52·3	18th & 22nd.	39·8
	Bhavnagar Para	55	29·984	+·003	29·986	30·077	17th	29·896	8th	·181	63·7	85·5	−1·1	55·5	−2·4	70·5	−1·7	30·0	93·6	15th	44·8	21st	48·8
	Surat	39	29·990	0	29·973	30·080	6th	29·923	4th	·157	64·6	85·5	−4·1	59·3	+0·2	72·4	−1·9	26·2	37·3	15th	51·5	17th & 20th.	45·8
	Ahmadabad	163	29·878	+·009	29·997	29·880	17th	29·774	8th	·206	65·0	85·5	−1·9	58·2	−1·3	71·9	−1·6	27·3	92·7	15th	50·6	17th	42·1
25	Bombay	37	29·977	−·004	29·956	30·032	9th	29·922	4th	·110	70·8	82·2	−0·6	68·2	−0·2	75·2	−0·4	14·0	86·9	22nd	62·5	19th	24·4
	Ratnagiri	207	29·779	−·010	29·929	29·838	9th	29·721	12th	·117	73·8	84·3	−1·7	68·1	+1·0	76·2	−0·3	16·2	91·5	22nd	60·5	20th	31·0
	Marmagao	*60*	29·937	·002	29·932	29·991	2nd	29·881	12th	·110	73·1	84·6	−0·2	70·8	0	77·7	−0·1	13·8	87·1	17th	65·3	21st	21·8
	Karwar	44	29·965	+·009	29·944	30·028	2nd	29·913	12th	·115	69·4	84·6	−1·4	66·9	−0·1	75·7	−0·7	17·7	88·0	16th	61·3	21st	26·7
26	Malegaon	1,430	28·579	+·009	30·008	28·655	6th	28·498	4th	·157	62·8	89·0	−0·7	53·9	−0·9	71·4	−0·8	35·1	97·8	15th	44·6	22nd	53·2
	Ahmadnagar	2,154	27·849	−·004	29·973	27·913	6th	27·773	4th	·140	65·8	88·2	−0·1	55·0	−0·1	71·6	−0·1	33·2	93·6	15th	45·7	7th	47·9
	Poona	1,846	28·152	−·005	29·988	28·211	6th	28·076	4th	·135	63·4	89·8	−1·1	55·6	−0·6	72·7	−0·9	34·2	95·2	16th	44·9	20th	50·3
	Sholapur	1,590	28·400	−·004	29·954	28·473	6th	28·343	4th	·130	70·2	91·4	−1·8	63·0	+0·8	77·2	−0·5	28·4	95·8	19th	53·1	5th	42·7
	Bijapur	*1,948*	28·035	−·005	29·936	28·122	6th	27·989	4th	·133	70·7	89·7	−1·3	63·5	−0·1	76·6	−0·7	26·2	95·0	19th	54·8	5th	40·2
	Belgaum	2,562	27·446	−·003	29·949	27·507	6th	27·397	4th	·110	67·4	87·1	−1·2	58·6	−0·8	72·9	−1·0	28·5	90·6	20th	52·0	5th	38·6
	XI.—Central India.																						
20	Neemuch	1,626	28·379	−·003	30·028	28·481	17th	28·211	8th	·270	57·4	77·0	−3·6	51·6	0	64·3	−1·8	25·4	84·9	16th	43·6	19th	41·3
	Indore	1,823	28·175	0	30·004	28·264	6th	28·086	8th	·178	62·0	81·8	−1·0	51·8	−0·1	66·8	−0·5	30·0	91·1	25th & 26th.	41·3	21st	49·8
21	Nowgong	754	29·265	+·007	30·021	29·359	2nd	29·127	8th	·232	56·0	76·5	−3·0	51·0	+0·2	63·7	−1·4	25·5	88·2	17th	42·2	18th & 22nd.	46·0
	Sutna	1,041	28·969	+·012	30·020	29·032	2nd	28·861	9th	·171	58·1	75·5	−3·6	53·2	+1·1	64·3	−1·3	22·3	87·8	17th	45·0	12th	42·8
	XII.—Central Provinces.																						
22	Buldana	2,134	27·855		29·950	27·923	6th	27·773	4th	·150	68·1	84·9	−1·0	59·9	−2·0	72·4	−1·5	25·0	92·1	15th	51·2	6th	40·9
	Akola	925	29·084	+·012	29·989	29·170	21st	29·006	4th	·164	66·9	90·3	−0·2	58·5	+1·4	74.4	+0·6	31·8	98·0	25th & 28th.	46·5	21st	51·5
	Amraoti	1,215	28·780	+·002	29·976	28·861	2nd	28·676	4th	·185	68·7	88·6	−1·1	61·6	−0·1	75·1	−0·8	27·0	95·0	19th	50·8	5th	44·2
23	Khandwa	1,044	28·971	+·016	30·009	29·079	6th	28·898	8th	·181	63·2	86·4	−2·1	55·2	−0·4	70·8	−1·3	31·2	96·8	16th	43·9	22nd	52·9
	Hoshangabad	1,006	29·013	+·009	30·017	29·086	21st	28·919	4th	·167	60·7	82·6	−2·5	55·1	−0·3	68·8	−1·4	27·5	91·5	27th	47·0	11th	44·5
	Saugor	1,867	28·194	+·002	30·017	28·274	2nd	28·075	8th	·199	59·4	77·4	−3·1	54·1	−1·1	65·7	−2·1	23·3	88·4	16th	47·0	11th	41·4
	Jubbulpore	1,327	28·671	+·008	30·008	28·741	2nd	28·570	4th	·171	59·5	79·2	−2·5	54·2	+2·2	66·7	−0·1	25·0	89·9	17th	43·5	12th & 22nd.	46·4
	Seoni	2,033	27·969	+·012	29·989	28·054	2nd	27·872	4th	·182	63·0	80·9	−2·7	54·7	−0·1	67·8	−1·4	26·2	88·6	15th	45·6	22nd	43·0
	Nagpur	1,017	28·987	+·008	29·987	29·066	2nd	28·877	4th	·189	66·0	87·1	−1·7	58·6	−1·0	72·9	−1·3	28·5	93·6	15th	46·5	22nd	47·1
24	Pendra	2,040	27·953	+·013	29·994	28·029	2nd	27·871	10th	·158	62·0	79·6	+1·4P	55·2	+1·4	67·5	+1·4P	24·3	87·8	28th	46·9	12th	40·9

N.B.—Elevations in italics indicate barometrical determinations.
* Mean of 13 days.

B—*continued.*

stations in India, etc., in February, 1915—*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 hours.	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. 1914 to 28th Feb., 1915.	Normal rainfall for period, 1st Dec. to 28th February.	Departure from normal of period, 1st Dec. 1914 to 28th Feb., 1915.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																X.—Bombay.
2	1	12	8	0	2	2	1	0	N 67° E	N 30° E	6·6	6·3	+0·3	53	+17	53	+12	·301	+·069	1·4	−0·5	1	0·4	+0·6	0·22	0·16	+ 0·06	0·52	0·35	+ 0·17	0·20	Deesa.
11	6	3	0	0	0	1	4	3	N 27° W	N 69° W	4·0	5·3	−1·3	36	+ 1	51	−10	·317	−·064	0·9	−0·6	0	0·4	−0·4	0	0·16	− 0·16	0	0·28	− 0·28	0	Bhuj.
2	1	4	10	1	5	1	4	0	S 73° E		5·8			33		59	− 4	·379	+·003	0·5	−0·7	0	0·3	−0·3	0	0·15	− 0·15	0	0·25	− 0·25	0	Jamnagar.
2	10	7	3	0	0	2	1	3	N 13° E		8·7			56		64	− 6	·447	−·047	1·3	−0·7	1	0·7	+0·3	0·37	0·51	− 0·14	0·37	0·62	− 0·25	0·37	Dwarka.
5	4	6	1	2	2	3	2	3	N 5° E	N 2° W	5·4	4·5	+0·9	17	−14	47	− 9	·275	−·062	1·1	−0·2	0	0·3	−0·3	0	0·13	− 0·13	0·20	0·22	− 0·02	0	Rajkot.
4	4	2	2	0	0	3	1	12	N 35° W	N 7° E	6·1	5·2	+0·9	53	−19	60	+ 3	·403	+·023	1·0	−0·5	1	0·1	+0·9	0·60	0·03	+ 0·57	0·68	0·16	+ 0·52	0·60	Veraval.
7	2	0	1	2	2	2	3	5	N 67° W	S 85° W	2·9	5·9	−3·0	32	−33	63	+11	389	+·062	1·8	+0·3	0	0·3	−0·3	0·06	0·13	− 0·07	0·06	0·26	− 0·20	0·06	Bhavnagar Para.
5	6	5	4	3	2	1	0	2	N 51° E	N 27° W	3·2	3·7	−0·5	32	−11	68	+ 6	·430	+·021	1·6	+0·6	0	0·2	−0·2	0	0·08	− 0·08	0	0·20	− 0·20	0	Surat.
2	3	10	3	6	0	1	1	2	N 60° E	N 11° E	4·6	2·9	+1·7	46	−12	48	+ 3	·308	−·010	1·2	−0·4	0	0·3	−0·3	0	0·12	− 0·12	0	0·18	− 0·18	0	Ahmadabad.
0	4	12	6	4	0	0	0	2	N 56° E	N 47° E	6·2	7·6	−1·4	67	− 4	74	+ 3	·564	+·003	1·5	+0·2	1	0·1	+0·9	0·30	0·03	+ 0·27	0·30	0·19	+ 0·11	0·30	Bombay.
2	5	9	5	6	1	0	0	0	N 68° E	N 73° E	6·4	6·0	+0·4	56	+16	62	− 3	·519	−·006	1·9	+1·0	0	0·1	−0·1	0·06	0·02	+ 0·04	0·47	0·23	+ 0·24	0·06	Ratnagiri.
2	7	3	11	2	1	0	0	2	N 58° E	N 80° E	6·3	6·8	−0·5	53	+ 5	83	+ 1	·673	−·009	3·2	+2·1	0	0·1	−0·1	0	0·02	− 0·02	1·00	0·23	+ 0·77	0	Marmagao.
8	10	8	0	0	0	0	0	2	N 14° E	N 55° E	3·0	3·0	0	63	−20	89	+ 6	·643	+·039	0·7	−0·1	0	0	0	0·02	0·01	+ 0·01	3·04	0·26	+ 2·78	0·02	Karwar.
7	0	0	1	0	1	11	7	1	S 61° W	N 63° W	4·0	4·5	−0·5	56	−15	50	+ 4	·287	+·002	1·4	+0·1	3	0·2	+2·8	0·88	0·06	+ 0·82	1·44	0·42	+ 1·02	0·43	Malegaon.
10	2	0	0	3	1	1	2	5	N 57° W	N 13° W	4·5	6·1	−1·6	29	− 6	43	− 7	·274	−·054	0·6	−0·4	0	0·3	−0·3	0	0·19	− 0·19	0·27	0·77	− 0·50	0	Ahmadnagar.
0	1	2	0	5	0	8	6	6	S 77° W	N 76° W	5·1	5·2	−0·1	39	+23	61	+10	·365	+·064	0·7	−0·3	0	0·1	−0·1	0	0·05	− 0·05	0·06	0·30	− 0·24	0	Poona.
2	0	4	3	6	3	2	0	8	S 86° E	N 72° E	6·3	5·5	+0·8	11	− 5	41	+ 3	·303	+·011	1·6	+0·5	1	0·1	+0·9	0·48	0·03	+ 0·45	3·55	0·62	+ 2·93	0·48	Sholapur.
11	1	2	1	6	1	0	2	4	E	N 79° W	2·5	3·5	−1·0	6	−16	46	− 7	·344	−·066	1·0	−0·2	1	0·2	+0·8	0·32	0·04	+ 0·28	2·70	0·35	+ 2·35	0·32	Bijapur.
21	2	1	4	0	0	0	0	0	N 60° E	N 68° E	4·9	7·1	−2·2	21	− 2	61	+13	·406	+·061	2·3	+1·0	0	0·1	−0·1	0	0·03	− 0·03	3·70	0·47	+ 3·23	0	Belgaum.
																																XI.—Central India.
4	2	5	13	1	1	1	1	0	N 79° E	N 30° E	4·5	5·1	−0·6	53	+22	57	+10	·270	+·024	1·9	+0·1	2	0·4	+1·6	2·03	0·17	+ 1·86	3·62	0·57	+ 3·05	1·76	Neemuch.
6	0	13	2	1	0	3	1	2	N° 43 E	N 29° W	3·3	2·0	+1·3	36	+24	52	+ 3	·290	+·012	1·5	−0·2	2	0·5	+1·5	0·46	0·17	+ 0·29	0·66	0·56	+ 0·10	0·20	Indore.
3	0	2	7	0	4	2	4	1	S 35° E	N °85 W	2·7	1·5	+1·2	14	− 5	68	+ 3	·310	−·009	2·9	+0·1	3	1·1	+1·9	0·77	0·53	+ 0·24	0·96	1·70	− 0·74	0·30	Nowgong.
17	1	0	0	1	0	0	1	0	N 45° W‡	N 30° W	1·9	3·5	−1·6	1	−34	70	+11	·346	+·044	2·4	−0·2	2	1·7	+0·3	1·86	0·73	+ 1·13	3·33	2·11	+ 1·22	1·23	Sutna.
																																XII.—Central Provinces.
0	0	1	4	3	2	3	6	9	N 83° W		5·0	4·7	+0·3	29		37		·249		1·4		0	0·5	−0·5	0·14	0·27	− 0·13	0·49	1·09	− 0·60	0·09	Buldana.
2	0	0	7	3	5	2	7	2	S 6° W	S 34° E	4·1	3·1	+1·0	25	+17	41	− 2	·284	+·006	1·9	+0·2	0	0·4	−0·4	0·12	0·24	− 0·12	1·69	1·26	+ 0·43	0·06	Akola.
14	0	4	2	3	0	3	1	1	S 77° E	S 83° E	0·6	3·5	−2·9	11	−21	49	− 6	·277	−·047	1·3	−0·2	0	0·6	−0·6	0·02	0·31	− 0·29	1·61	1·23	+ 0·38	0·02	Amraoti.
26	0	1	0	0	0	0	0	1	N	N 18° W	3·4	3·0	+0·4	5	−19	53	+10	·313	+·063	2·1 g	+0·7	3	0·3	+2·7	1·27	0·10	+ 1·17	1·55	0·65	+ 0·90	0·63	Khandwa.
6	1	4	12	2	0	2	1	0	N 86° E	N 60° E	2·1	2·1	0	49	+ 9	55	0	·295	−·007	1·6	−0·2	2	0·9	+1·1	1·10	0·34	+ 0·76	1·10	1·12	− 0·02	0·56	Hoshangabad.
2	1	8	7	2	2	2	3	1	N 73° E	S 72° E	6·2	2·7	+3·5	32	+ 1	47	0	·234	−·022	1·7	−0·1	2	1·1	+0·9	1·23	0·41	+ 0·82	1·40	1·54	− 0·14	1·01	Saugor.
6	4	3	1	7	2	1	2	2	S 89° E	S 63° E	2·3	1·8	+0·5	14	− 6	65	0	·334	+·001	1·8	−0·2	2	1·6	+0·4	1·02	0·69	+ 0·33	1·53	1·75	− 0·22	0·43	Jubbulpore.
3	6	5	2	3	2	4	1	2	N 31° E	N 31° E	4·4	2·1	+2·3	18	−18	51	− 6	·295	−·039	1·7	−0·4	1	1·9	−0·9	0·54	0·87	− 0·33	2·41	1·92	+ 0·49	0·50	Seoni.
3	7	3	2	8	0	0	1	4	N 43° E	N 18° E	4·2	3·2	+1·0	29	− 7	52	+ 2	·339	+·004	1·9	−0·2	1	1·2	−0·2	0·35	0·43	− 0·08	3·72	1·33	+ 2·39	0·35	Nagpur.
9	6	1	0	0	2	3	1	6	N 44° W		3·7			36		55	−1	·305	+·003	2·4	+0·2	2	3·4	−1·4	1·89	1·52	+ 0·37	3·46	2·75	+0·71	1·67	Pendra.

‡ Wind observations of 20 days.

g = Mean of 27 days.

Table

(2) Abstract of observations taken at 8 hrs. at 215

Number of sub-division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	XII.—Central Provinces—*concld.*																						
	Raipur	970	29·023	−·004	29·976	29·104	2nd	28·930	4th	·174	64·7	84·9	−1·6	60·1	0	72·5	−0·8	24·8	92·7	28th	51·6	22nd	41·1
	Chanda	*634*	29·370	0	29·971	29·457	6th	29·272	4th	·185	70·5*	91·4*	−0·7*	61·7*	+1·6*	76·6*	+0·5	29·7	96·5	20th	46·0	22nd	50·5
	Jagdalpur	1,813	28·186		29·975	28·247	2nd	28·070	5th	·177	66·5	85·7		58·1		71·9		27·6	95·2	26th	52·1	8th	43·1
	XIII.—Hyderabad.																						
27	Aurangabad	1,905	28·098	−·010	299·74	28·173	6th	28·031	4th	·142	67·7	87·5	−1·4	58·6	+0·5	73·1	−0·5	28·9	93·3	15th	49·3	7th	44·0
	Nizamabad	1,248	28·759	+·009	29·977	28·836	6th	28·690	4th	·146	70·3	89·7	−1·0	62·5	+1·5	76·1	+0·3	27·2	95·6	19th	51·7	7th	43·9
	Bidar	*2,165*									74·2	88·5	+0·1	63·9	−0·4	76·2	−0·1	24·6	93·1	19th	55·4	6th	37·7
28	Gulbarga	1,503	28·487	0	29·950	28·560	6th	28·440	4th	·120	71·8	91·5	−1·0	64·2	+0·3	77·9	−0·3	27·3	96·4	20th	56·0	7th & 8th.	40·4
	Raichur	*1,311*	28·693	+·034?	29·959	28·768	2nd	28·636	25th	·132	74·3	92·2	0	68·9	+0·7	80·5	+0·3	23·3	97·0	21st	62·1	5th & 8th.	34·9
	Hyderabad (Deccan)	1,758	28·257	+·006	29·955	28·317	2nd	28·200	4th	·117	69·7	88·1	−2·1	64·3	+0·3	76·2	−0·9	23·8	93·8	19th	57·0	7th	36·8
	Hanamkonda	877	29·135	+·020	29·976	29·191	2nd	29·076	19th	·115	71·5	87·7	−2·1	65·6	−0·5	76·7	−1·5	22·1	93·0	19th	58·0	7th	35·0
	XIV.—Mysore.																						
21	Chitaldrug	2,405	27·599	+·005	29·915	27·644	2nd & 16th.	27·563	4th	·081	73·5	90·5	+1·0	66·4	+0·7	78·4	+0·9	24·1	92·9	23rd	60·5	16th	33·4
	Hassan	3,149	26·897	+·007	29·933	26·941	2nd	26·855	4th	·086	68·9	86·9	+0·2	60·4	+2·5	73·6	+1·3	26·5	90·1	19th & 21st.	56·1	13th	34·0
	Bangalore	3,021	27·018	−·001	29·939	27·062	2nd	26·977	4th	·085	68·0	88·3	+2·2?	62·1	+2·1	75·2	+2·2?	26·2	92·9	12th	56·8	15th	36·1
	Mysore	2,518	27·499	−·002	29·926	27·545	2nd	27·466	4th	·079	72·4	89·4	+0·4	65·8	+2·3	77·6	+1·3	23·6	93·7	22nd	59·1	13th	34·6
	XV.—Madras.																						
30	Mangalore	72	29·927	−·006	29·931	29·971	2nd	29·884	12th	·087	79·0	87·9	−0·6	73·6	+2·1	80·7	+0·7	14·3	90·5	17th	68·7	6th	21·8
	Calicut	27	29·958	−·007	29·914	30·001	2nd	29·924	12th	·077	78·1	88·7	+0·3	74·7†	+1·9†	81·7†	+1·1	14·0	98·2	24th	72·1	25th	26·1
	Cochin	9	29·979	−·002	29·915	30·025	2nd	29·941	12th	·084	78·9	90·0	−0·2	75·5	+1·5	82·8	+0·7	14·5	92·5	29th	73·1	14th	19·4
	Trivandrum	198	29·787	+·012	29·917	29·826	3rd	29·755	7th	·071	77·3	86·2	+0·9	74·3	+0·3	80·3	+0·6	11·9	87·8	15th & 16th.	70·6	14th	17·2
31	Pamban	37	29·960	−·009	29·924	30·005	2nd	29·926	27th	·079	79·9	83·1	−1·6	75·9	+1·3	79·5	−0·1	7·2	85·7	19th	72·1	12th	13·6
	Madura	447	29·566	+·003	29·950	29·621	2nd	29·528	27th	·093	77·9	92·8	+0·9	73·4	+3·5	83·1	+2·2	19·4	96·0	20th	67·3	26th	28·7
	Pudukkottai	318	29·695	+·015	29·949	29·742	2nd	29·653	7th	·089	76·7	91·3	−0·2	71·1	+2·0	81·2	+0·9	20·2	95·4	22nd	66·7	15th	28·7
	Negapatam	31	29·972	−·006	29·931	30·015	9th	29·939	18th & 27th.	·076	77·4	84·9	+0·1	71·3	−1·4	78·1	−0·7	13·6	87·5	20th & 22nd.	67·6	10th	19·9
	Trichinopoly	255	29·764	+·003	29·955	29·802	9th	29·728	27th	·074	77·4	93·1	+0·8	70·9	+2·1	82·0	+1·5	22·2	96·7	23rd	66·4	10th	30·3
	Coimbatore	1,341	28·676	+·012	29·965	28·712	16th	28·636	4th	·076	73·9	92·1	+0·4	68·1	+2·2	80·1	+1·3	24·0	95·7	19th	61·2	26th	34·5
	Salem	913	29·097	+·006	29·956	29·135	16th	29·068	4th & 27th.	·067	75·4	93·9	+0·3	68·2	+2·0	81·1	+1·1	25·7	98·6	19th	63·3	12th	35·3
	Cuddalore	37	29·980	+·001	29·947	30·025	2nd	29·941	11th	·084	75·3	84·9	−0·8	71·1	+1·2	78·0	+0·2	13·8	87·5	21st	67·2	10th	20·3
	Vellore	707	29·309	−·003	29·970	29·360	16th	29·267	5th	·093	70·9	88·2	−0·3	66·2	−0·5	77·2	−0·7	22·0	95·7	21st	59·2	18th	36·5
	Madras	22	29·995	−·006	29·948	30·044	2nd	29·954	4th	·090	76·9	86·6	−0·2	71·1	+2·6	78·8	+1·2	15·5	90·3	6th	66·2	10th	24·1
32	Cuddapah	428	29·571	+·001	29·945	29·641	16th	29·523	11th	·118	77·2	94·1	−0·9	70·5	+1·2	82·3	+0·1	23·6	100·1	22nd	66·3	16th	33·8

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

* Mean of 16 days. † Mean of 26 days.

B.—*continued.*

stations in India, etc., in February, 1915—*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 December 1914 to 28th February 1915.	Normal rainfall for period, 1st December to 28th February.	Departure from normal of period, 1st Dec. 1914 to 28th February, 1915.	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.—Central Provinces—*concld.*
12	3	3	2	1	2	1	2	2	N 13° E	N 4° W	2·4	2·9	−0·5	11	−1	66	+11	·401	+·043	1·6	−0·5	1	1·3	−0·3	0·65	0·65	0	1·89	1·12	+0·77	0·65	Raipur.
18	1	1	2	3	1	1	0	1	S 67° E	N 76° E	1·6	2·0	−0·4	11	−9	55*	−3	·416*	+·015	2·1	+0·5	0	0·9	−0·9	0·12	0·51	−0·39	2·21	1·02	+1·19	0·06	Chanda.
17	0	0	0	5	2	1	2	1	S 1° E		1·6			20		71		·458		2·7		2			1·81			4·73			1·25	Jagdalpur.
																																XIII.—Hyderabad.
4	3	6	6	2	1	0	4	2	N 45° E		6·1			29		41	+3	·274	−·008	0·9	−0·1	1	0·3	+0·7	0·42	0·15	+0·27	1·44	0·73	+0·71	0·36	Aurangabad.
6	6	1	2	3	3	1	1	5	N 6° W		3·2			16		51	−4	·377	−·063	2·7	+1·4	0	0·7	−0·7	0	0·45	−0·45	1·97	0·66	+1·31	0	Nizamabad.
5	1	3	1	12	1	5	0	0	S 39° E		5·9			46		43	−15	·374	−·104	7·1	+6·1?	0	0·6	−0·6	0	0·25	−0·25	1·79	0·76	+1·03	0	Bidar.
2	2	7	4	3	7	2	1	0	S 67° E	N 89° E	5·7	5·6	+0·1	36	+10	46	−4	·362	−·042	1·6	+0·7	0	0·5	−0·5	0	0·15	−0·15	1·91	0·49	+1·42	0	Gulbarga.
0	0	1	4	15	2	3	1	2	S 41° E	S 23° E	5·7	5·1	+0·6	60	+29	68	+15?	·572	+·123?	0·9	−0·3	1	0·4	+0·6	0·14	0·25	−0·11	2·09	0·48	+1·61	0·14	Raichur.
5	1	11	3	2	2	3	0	1	N 67° E	S 68° E	4·0	3·0	+1·0	36	+27	64	−1	·465	−·008	3·11	+1·3	0	0·7	−0·7	0·04	0·24	−0·20	0·90	0·64	+0·26	0·04	Hyderabad (Deccan).
1	3	0	0	12	9	0	0	3	S 27° E		5·1			49		69	+1	·524	−·001	3·0	+0·3	1	0·5	+0·5	0·91	0·20	+0·71	1·25	0·37	+0·38	0·91	Hanamkonda.
																																XIV.—Mysore.
15	0	0	4	5	0	3	0	1	S 44° E	S 6° E	3·5	4·6	−1·1	29	+13	54	+1	·437	−·001	1·5	0	0	0·2	−0·2	0	0·06	−0·06	0·47	0·63	−0·16	0	Chitaldrug.
11	2	1	7	6	0	0	0	1	S 85° E	S 72° E	2·8	2·0	+0·8	39	−12	73	+4	·516	+·033	2·5	−0·3	1	0·3	+0·7	0·31	0·13	+0·18	2·90	1·01	+1·89	0·31	Hassan.
1	0	0	16	8	1	0	1	1	S 73° E	S 62° E	6·4	3·7	+2·7	74	+19	74	+3	·502	+·018	2·9	+1·0	0	0·2	−0·2	0·02	0·18	−0·16	0·82	0·94	−0·12	0·02	Bangalore.
4	0	5	6	4	4	2	2	1	S 64° E	S 89° E	4·9	5·8	−0·9	32	+10	65	−4	·513	−·006	3·6	+0·5	0	0·5	−0·5	0	0·15	−0·15	0·30	0·74	−0·44	0	Mysore.
																																XV.—Madras.
0	4	12	12	0	0	0	0	0	N 59° E	N 76° E	5·6	2·1	+3·5	82	+15	74	+2	·729	+·047	2·3	+0·2	1	0·1	+0·9	0·20	0·02	+0·18	1·60	0·58	+1·02	0·20	Mangalore.
5	1	5	11	4	0	0	0	2	N 79° E	N 69° E	5·7	7·2	−1·5	55	−11	83	+4	·792	+·050	2·8	+0·9	1	0·2	+0·8	1·10	0·16	+0·94	5·87	1·68	+4·19	1·10	Calicut.
0	1	12	13	0	2	0	0	0	N 71° E	N 41° E	5·6	4·0	+1·6	78	+7	78	+3	·768	+·031	3·4	+1·6	1	1·2	−0·2	2·35	0·75	+1·60	10·83	3·00	+7·83	2·27	Cochin.
7	2	12	5	9	1	0	0	0	N 55° E§	N 55° E	3·0†	3·4	−0·4	59	+12	81	+4	·754	+·041	3·7	+1·2	2	1·2	+0·8	3·44	0·61	+2·83	11·87	3·47	+8·40	1·77	Trivandrum.
10	3	15	0	0	0	0	0	0	N 38° E	N 56° E	7·9	6·6	+1·3	60	−15	81	+1	·821	+·020	3·5	+0·4	1	1·3	−0·3	0·26	0·98	−0·72	11·88	10·50	+1·38	0·25	Pamban.
0	8	10	5	1	0	0	2	2	N 31° E	N 14° E	4·7‡	3·3	+1·4	63	0	75	−1	·714	+·010	5·3	+2·4	0	0·8	−0·8	0·03	0·45	−0·42	1·89	2·74	−0·85	0·03	Madura.
2	13	13	0	0	0	0	0	0	N 22° E		4·2			86		83	+2	·765	+·055	3·7	−1·0	1	1·2	−0·2	0·32	0·66	−0·34	9·34	2·94	+6·40	0·31	Pudukkottai.
1	2	4	1	1	0	0	3	16	N 33° W	N 18° E	8·3	4·7	+4·1	63	+23	82	+4	·773	+·015	5·7	+1·3	2	0·8	+1·2	2·12	0·72	+1·40	16·90	13·76	+3·14	1·25	Negapatam.
3	12	7	0	1	0	0	1	4	N 5° E	N 27° E	3·0	2·8	+0·2	67	+31	75	−3	·704	+·004	3·0	+0·4	2	0·7	+1·3	0·67	0·68	−0·01	3·39	3·95	−0·56	0·55	Trichinopoly.
5	6	10	5	2	0	0	0	0	N 49° E	N 63° E	2·6	2·1	+0·5	63	0	73	−9?	·607	−·052?	4·0	−0·1	0	0·7	−0·7	0·04	0·37	−0·33	2·96	2·12	+0·84	0·04	Coimbatore.
4	2	4	15	0	0	0	3	0	N 72° E	N 53° E	5·5	3·9	+1·7	56	+1	83	+8	·730	−·069	2·4	+0·2	0	0·7	−0·7	0	0·32	−0·32	0·54	1·76	−1·22	0	Salem.
8	1	2	0	0	0	0	1	16	N 38° W	N 60° W	4·0	1·6	+2·4	63	+12	88	+1	·766	−·006	4·7	+1·9	3	1·4	+0·6	3·15	1·06	+2·09	23·29	9·50	+13·79	2·61	Cuddalore.
21	0	2	0	1	1	0	2	1	N 55° W		2·2			26		88	+6	·666	+·080	3·0	+0·6	1	0·8	+0·2	0·72	0·46	+0·26	7·67	5·60	+2·07	0·72	Vellore.
3	7	1	1	0	0	2	6	8	N 44° W	S 24° W	3·6	3·7	−0·1	56	+40	85	+2	·786	+·034	2·4	−0·4	1	0·6	+0·4	0·30	0·23	−0·03	13·38	7·48	+5·50	0·29	Madras.
1	0	2	7	15	1	0	1	1	S 61° E	S 72° E				67	+4	69	+2	·646	+·024	1·0	−0·2	0	0·3	−0·3	0	0·14	−0·14	1·14	1·54	−0·40	0	Cuddapah.

* Mean of 15 days.
† „ 27 „
‡ Mean of 8 days.
§ 1 Wind less.
‖ Mean of 26 days.

Table

(2) Abstract of observations taken at 8 hrs. at 215

Number of sub-division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches. Mean of 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and 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
	XV.—Madras— *concld.*																						
	Bellary	1,475	28·514	0	29·938	28·573	6th	28·469	4th	·104	74·7	94·6*	+0·4*	67·8	+1·9	81·1*	+1·1	26·8	99·1	20th	61·5	16th	37·6
	Kurnool	923	29·082	+·017	29·963	29·143	6th & 16th.	29·036	4th	·107	72·4	91·9	−2·2	66·3	+1·4	79·1	−0·4	25·6	96·3	21st	57·6	16th	38·7
23	Nellore	66	29·945	−·004	29·947	30·006	2nd & 16th.	29·895	4th & 5th.	·111	74·5	87·8	−2·3	70·1	+0·8	78·9	−0·7	17·7	91·7	12th	66·3	10th	25·4
	Masulipatam	15	30·014	−·002	29·963	30·083	2nd	29·922	5th	·161	73·8	85·4	−1·3	68·2	−0·4	76·8	−0·9	17·2	90·3	18th	62·7	19th	27·6
	Cocanada	26	30·006	+·003	29·969	30·074	2nd	29·917	5th	·157	73·8	84·0	−1·6	68·8	−0·9	76·4	−1·3	15·2	90·5	11th	63·1	17th	27·4
	Waltair (Vizagapatam).	*296*	29·808	+·013	29·980	29·876	2nd	29·747	5th	·129	74·3	83·8	+0·2	70·2	−0·9	77·0	−0·3	13·6	87·8	20th	66·5	17th	21·3
	Calingapatam	19	30·023		29·980	30·073	1st	29·963	11th	·110	70·8	85·2		65·9		75·6		19·3	94·5	18th	60·8	16th & 17th.	33·7
	Gopalpur	52	29·978	+·014	29·972	30·044	23rd	29·912	11th	·132	70·5	82·1	−1·1	66·8	−0·5	74·5	−0·8	15·3	89·1	12th	61·3	7th	27·8
	Bay Islands.																						
1	P. V. Fraser	8	30·023		29·972	30·110	22nd	29·934	10th	·176	75·4												
	Port Blair	58	29·915	−·014	29·903	29·956	9th	29·848	13th	·108	81·0	87·7	−0·2	77·3	+2·2	82·5	+1·0	10·4	91·0	6th	74·1	11th	16·9
	Table Island	90	29·893	−·007	29·918	29·931	20th	29·846	4th	·085	79·5	85·1	+0·7	77·1	+1·8	81·1	+1·3	8·0	88·1	23rd	74·3	11th	13·8
	Kashmir.																						
13	Muzaffarabad		27·623			27·778	2nd	27·277	8th	·501	43·4			40·7							32·7	16th	
	Srinagar	5,204	24·952	−·001	24·923	25·128	21st	24·576	8th	·552	29·1	37·5	−6·0	25·7	−2·7	31·6	−4·3	11·8	42·7	28th	5·8	17th	36·9
	Dras	*10,059*	20·720	−·038	20·688	21·042	21st	20·357	8th	·685	2·6	20·9	−2·2	−5·9	+4·9	7·5	+1·3	26·8	34·3	8th	−30·4	21st	64·7
	Leh	*11,503*	19·582	−·042	19·550	19·864	21st	19·241	9th	·623	17·3	35·1	+2·6	12·6	+2·8	23·9	+2·7	22·5	43·2	27th	1·2	21th	42·0
	Skardu	*7,505*	22·872	−·048	22·842	23·204	21st	22·442	8th	·762	21·8	36·5	−1·7	14·6	−4·2	25·5	−2·9	21·9	50·0	9th	5·1	22nd	44·9
	Gilgit	4,890	25·192	−·022	25·165	25·500	21st	24·703	8th	·797	39·9	52·8	+1·4	36·4	−0·1	44·6	+0·7	16·4	58·7	26th, 27th & 28th.	31·2	11th, 17th & 18th.	27·5
	Baluchistan.																						
15	Fort Sandeman	4,614	25·419		25·388	25·545	17th	25·011	8th	·534	36·1	68·5		31·6		50·1		36·9	76·7	28th	24·3	16th & 17th.	52·4
	Quetta	5,502	24·658	−·011	24·618	24·744	20th & 28th.	24·440	8th	·304	29·3	52·5	−0·4	26·5	−4·7	39·5	−2·5	26·0	63·7	22nd	18·1	17th	45·6
	Chaman	4,311	25·748	−·003	25·710	25·872	19th	25·528	7th	·344	37·2	56·9†	−0·2†	32·3	−5·6	46·9†	−2·9	24·6	61·6	27th	16·3	16th	45·3
	Kalat	6,630	23·735		23·697	23·819	28th	23·568	8th	·251	26·6	50·5	−2·7	22·6	−1·0	36·6	−1·9	27·9	60·8	7th & 26th.	12·5	19th	48·3
	Dalbandin	2,772	27·237		27·200	27·389	10th	26·979	7th	·410	38·7	65·1		34·2		49·7		30·9	78·8	27th	22·0	16th	56·8
	Pasni		30·088		30·048	30·256	16th	29·674	8th	·382	63·7	78·0		55·5		66·7		22·5	87·4	26th	43·3	16th	44·1
	Panjgur		26·835		26·793	26·962	10th	26·654	7th	·308	41·5	65·2		38·2		51·7		27·0	78·0	26th & 27th.	27·5	19th	50·5
	Robat		26·985		26·943	27·187	15th	26·757	7th	·430	43·7	65·5		40·7		53·1		24·8	79·3	27th	27·3	15th	52·0
	Hill stations, excluding Kashmir and Baluchistan.																						
	Para Chinar	6,000	24·428	−·022	24·404	24·577	2nd	24·047	8th	·530	35·8	52·3	+2·1	29·4	−0·9	40·8	+0·6	22·9	60·2	21st	20·1	10th	40·1
	Cherat	*4,956*	25·750	+·005	25·718	25·905	2nd	25·429	8th	·476	41·9	50·3	−2·0	36·9	−3·5	43·6	−2·7	13·4	59·1	25th & 26th.	25·4	16th	33·7
	Drosh		25·161‡			25·300	2nd & 20th.	24·750	8th	·550	36·4	48·7	−1·4	34·6	+1·9	41·6	+0·3	14·1	59·5	5th	27·2	10th & 11th.	32·3
	Murree	6,323	23·815	−·014	23·784	23·974	2nd	23·517	8th	·457	37·0	43·5	−3·6	33·2	−0·4	38·5	−2·0	10·1	52·4	22nd	23·0	16th	29·4

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

* Mean of 27 days.
† „ „ 10 „
‡ Aneroid corrected.

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

B—*continued.*

stations in India, etc., in February, 1915—*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 1914 to 28th Feby, 1915.	Normal rainfall for period, 1st Dec. to 28th February.	Departure from normal of period, 1st Dec. 1914 to 28th Feb. 1915.	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
																																XV.—Madras— *concld.*
3	2	0	3	8	6	7	2	3	S 25° E	S 11° E	3·3	2·9	+0·4	32	+12	59	+ 5	·501	+·054	2·3	+0·7	1	0·2	+0·8	0·10	0·08	+0·02	0·90	0·31	+0·59	0·10	Bellary
10	0	2	7	3	5	0	0	1	S 63° E	S 58° E	3·6			39	+31	66	+ 5	·523	+·034	3·3	+2·2	1	0·2	+0·8	0·15	0·16	−0·01	1·86	0·57	+1·29	0·15	Kurnool.
10	3	2	0	0	4	1	1	7	N 48° W	S 14° E	3·0	3·4	−0·4	29	+13	90	+ 5	·771	+·034	3·3	0	0	0·5	−0·5	0	0·16	−0·16	12·41	4·66	+7·75	0	Nellore.
0	14	7	3	3	0	0	0	1	N 28° E	N 41° E	4·4	3·4	+1·0	67	+43	87	+ 1	·725	−·029	4·3	+1·6	1	0·5	+0·5	1·05	0·46	+0·59	3·43	1·67	+1·76	1·00	Masulipatam.
10	5	10	0	2	0	0	0	1	N 34° E	N 17° W	5·0	5·3	−0·3	49	−18	77	0	·647	−·020	4·7	+2·0	0	0·5	−0·5	0·09	0·39	−0·30	0·50	1·63	−1·13	0·09	Cocanada
10	5	5	3	0	1	1	2	1	N 23° E	N 86° W	3·1			29	−34	71	− 2	·599	−·046	3·4	+0·6	1	0·9	+0·1	1·26	1·02	+0·24	1·45	2·78	−1·33	1·26	Waltair (Vizagapatam).
1	4	3	2	0	0	0	9	9	N 42° W		5·1			56		81		·608		1·9		0	0·7	−0·7	0·09	0·17	−0·08	0·61	3·34	−2·73	0·07	Calingapatam.
3	11	0	0	0	0	2	1	11	N 30° W	N 37° W	5·6	8·0	−2·4	70	+ 8	79	+ 1	·591	−·023	1·5	+0·5	0	1·0	−1·0	0·08	0·47	−0·39	0·32	1·67	−1·35	0·08	Gopalpur.
																																Bay Islands.
0	4	7	2	0	2	2	6	5	N 24° W					36		77		·682		2·1		0			0·03			0·32			0·03	P. V. Fraser.
8	8	6	2	3	0	0	0	1	N 35° E	N 9° E	5·5	3·7	+1·8	49	− 2	80	− 4	·845	+·032	3·9	+0·2	3	1·3	+1·7	3·23	1·01	+1·22	15·40	8·83	+6·57	1·85	Port Blair.
2	14	6	2	1	0	0	0	3	N 14° E		6·8			74		79	+ 1	·796	+·039	4·1	−1·1	0	0·4	−0·4	0	0·17	−0·17	4·45	2·17	+2·28	0	Table Island.
																																Kashmir.
28	0	0	0	0	0	0	0	0	Calm		2·0			(a)		78		·221		5·2		9			6·81			10·42			2·10	Muzaffarabad.
6	1	2	2	4	7	1	3	2	S 9° E	S 24° E	2·0	2·6	−0·6	25	+ 2	87	− 1	·142	−·017	9·3	+1·7	6	6·3	−0·3	5·02	2·79	+2·23	8·60	7·18	+1·42	1·60	Srinagar.
24	1	0	0	0	0	0	1	2	N 45° W		1·0			11						7·1	+1·8	9	7·1	+1·9	4·10	2·39	+1·71	8·16	6·83	+1·33	1·00	Dras.
22	2	4	0	0	0	0	0	0	N 31° E	S 27° W	2·4	0·9	+1·5	21	−15	58	+ 6	·058	+·014	7·9	+1·5	0	0·9	−0·9	0·09	0·34	−0·25	0·52	0·88	−0·36	0·06	Leh.
25	0	0	0	0	0	2	1	0	S 59° W		0·7			7		58	−35	·070	−·050	5·0	−1·4	5	2·3	+2·7	1·77	0·63	+1·14	2·53	1·73	+0·80	0·51	Skardu.
25	0	0	0	0	0	2	1	0	S 59° W		0·3			7		66	+11	·163	+·029	7·4	+0·5	1	0·8	+0·2	0·22	0·21	+0·01	0·56	0·53	+0·03	0·16	Gilgit.
																																Baluchistan.
23	1	2	0	0	0	0	0	1	N 6° W		1·8			11		67		·141		1·3		1			0·37			1·27			0·12	Fort Sandeman.
18	2	0	0	2	0	1	3	2	N 70° W	S 4° W	2·9	2·6	+0·3	14	+ 2	85¶		·196¶		2·6	−1·1	2	4·7	−2·7	0·45	1·99	−1·54	2·04	4·85	−2·81	0·22	Quetta.
1	1	0	11	8	3	3	1	0	S 54° E	S 46° E	4·2‡	6·1	−1·9	60	− 1	67§	+ 2	·179§	−·006	2·6	−1·2	2	4·1	−2·1	0·47	1·55	−1·08	1·56	4·05	−2·49	0·21	Chaman.
22	1	0	0	0	2	1	1	1	S 67° W	S 32° W	5·4			7	−53	76*		·191*		2·7		0	3·6	−3·6	0	1·33	−1·33	0	3·68	−3·68	0	Kalat.
8	4	6	4	1	1	2	0	2	N 43° E		4·3			32		59†		·145†		2·5		2			0·37			0·65			0·27	Dalbandin.
11	4	1	0	1	0	0	5	6	N 44° W		5·3‡			39		61		·365		0·9		3			2·32			3·59			1·23	Pasni.
6	1	14	5	0	0	0	1	1	N 49° E		5·2			60		60		·171		1·7		1			0·32			0·50			0·32	Panjgur.
6	0	2	0	0	0	6	13	1	S 83° W		3·7			60		59		·173		1·3		3			0·59			0·65			0·28	Robat.
																																Hill stations, excluding Kashmir and Baluchistan.
28	0	0	0	0	0	0	0	0	Calm		0·6			(a)		78	+ 5	·161	+·006	2·7	−1·4	7	4·3	+2·7	3·14	2·01	+1·13	4·66	5·40	−0·74	1·40	Para Chinar.
4	17	1	0	1	2	1	0	2	N 3° W	N 16° W	8·7	9·9	−1·2	53	− 3	62	+ 6	·162	+·008	5·5	+1·4	6	4·6	+1·4	7·52	3·15	+4·37	9·75	7·30	+2·45	5·24	Cherat.
26	0	0	2	0	0	0	0	0	E		3·7			7		73†	+ 2	·157†	+·004	6·9	+2·6	2	3·0	−1·0	1·11	0·96	+0·15	1·85	2·82	−0·97	0·67	Drosh.
10	2	1	10	4	0	0	0	1	N 87° E	S 68° E	5·2	6·5	−1·3	46	+ 6	72	+ 8	·154	+·012	6·0	+1·4	8	5·9	+2·1	7·31	4·28	+3·03	11·13	9·31	+1·32	3·27	Murree.

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

* Mean of 3 days.
† " " 27 "
‡ " " 26 "
§ " " 18 "
¶ " " 6 "

(a) Indeterminate.

Table

(2) Abstract of observations taken at 8 hrs. at 215

Number of sub-division.	Station.	Elevation of tar-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
	Hill stations, excluding Kashmir and Baluchistan —*concld.*																						
	Simla	7,232	23·078	+·009	23·041	23·207	2nd	22·925	8th	·282	46·0	47·2	+1·0	35·7	+0·4	41·4	+0·7	11·5	55·6	23rd	28·1	10th	27·5
	Sanain		23·116	—·009	23·078	23·232	2nd	23·008	8th	·224	31·6	45·0	+0·4	27·2	+0·1	36·1	+0·3	17·8	54·7	22nd	21·6	11th	33·1
	Kalabagh																						
	Chakrata	7,022																					
	Mukteswar	7,592									40·2	50·1	+0·2	35·4	+0·2	42·7	+0·2	14·7	61·9	23rd	28·6	5th	33·3
	Darjiling	7,376	22·935	P	22·890	23·001	27th	22·782	11th	·219	41·1	50·3	+1·9	37·8	+2·3	44·0	+2·1	12·5	60·0	19th	32·4	22nd	27·6
	Shillong	4,920	25·185	+·020	25·137	25·246	20th	25·061	11th	·185	51·8	63·7	+1·6	42·8	+1·3	53·2	+1·5	20·9	71·9	19th	34·7	12th	37·2
	Cherrapunji	4,309	25·714	+·009	25·695	25·801	16th	25·620	11th	·181	54·9	62·3	+1·4	48·2	+1·0	55·3	+1·2	14·1	70·7	6th	42·2	22nd	28·5
	Maymyo	3,546	26·505	+·020	26·450	26·567	16th	26·425	11th	·142	52·4	75·3	+1·3	44·5	+1·6	60·4	+1·5	31·8	80·3	20th	39·8	16th & 27th.	40·5
	Pachmarhi	3,528	26·530	+·003	26·477	26·612	2nd	26·434	4th	·178	62·0	73·6	—1·6	51·6	+0·8	62·6	—0·4	22·0	82·5	16th	38·6	12th & 22nd.	43·9
	Mount Abu	3,945	26·092	—·012	26·042	26·158	6th	25·962	4th	·196	57·8	66·2	—1·5	51·4	—1·7	58·8	—1·6	14·8	75·2	26th	44·4	17th	30·8
	Mercara	3,781	26·281	—·005	26·214	26·317	2nd	26·245	4th	·072	66·8	81·8	+0·6	59·2	+0·3	70·5	+0·5	22·6	85·7	12th	54·0	6th & 16th.	31·7
	Ootacamund	*7,327*	23·109	+·019	23·045	23·144	9th	23·086	1st	·058	57·1	68·9	+2·2	45·5	+1·2	57·2	+1·7	23·4	74·0	16th	40·2	1st	33·8
	Kodaikanal	7,688	22·879	+·010	22·814	22·900	10th	22·848	4th	·052	55·5	67·6	+2·1	49·5	+1·5	58·5	+1·8	18·1	74·6	19th	43·9	1st	30·7
	Extra India.																						
	Singapore (*a*)	10	29·859	—·061	29·820	29·941	21st	29·821	20th	·120	83·4	89·3	+1·4	72·8	+0·4	81·1	+0·9	16·5	93·0	28th	69·5	13th	23·5
	Penang (*a*)	17	29·894	—·031	29·836	29·952	21st	29·832	7th & 13th.	·120	82·6	93·0	+3·2	73·2	—0·6	83·1	+1·3	19·8	96·0	28th	70·0	9th, 21st & 26th.	26·0
	Trincomalee	99	29·878	—·012	29·906	29·918	2nd	29·850	4th	·068	77·5	86·6	+1·2	76·3	+1·6	81·5	+1·4	10·3	93·8	27th	72·8	11th	21·0
	Colombo	24	29·944	—·015	29·893	29·989	2nd	29·893	12th	·096	73·6	89·6	+1·0	72·2	—0·8	80·9	+0·1	17·4	97·2	24th	67·7	3rd	29·5
	Hambantota	64	29·905		29·896	29·933	9th	29·857	12th	·076	74·3	87·4		73·7		80·6		13·7	91·4	24th	69·5	1st	21·9
	Minicoy	7	29·999	+·020		30·045	2nd	29·966	12th	·079													
	Amini Divi	*13*	29·990	—·004	29·931	30·037	2nd	29·951	12th	·086	81·3	89·6	+3·2	77·2	+1·3	83·4	+2·3	12·4	91·4	19th	72·8	1st	18·6
	Gyantse	13,120	18·376		18·337	18·545	19th	18·187	6th	·358	28·1	46·1		6·6		26·4		39·3	55·4	15th	0·5	22nd	54·9
	Pharijong	14,400									12·9												
	Gangtok	5,667	24·493	+·010	24·448	24·630	27th	24·334	11th	·296	47·8	60·0	+0·9	42·6	+7·7	51·3	+4·3	17·4	66·6	18th	36·1	22nd	30·5
	Gartok (*c*)	15,100																					
	Kashgar	4,255	(*c*) 25·049	—·041		26·000	27th	25·330	2nd & 3rd.	·670	23·2	38·0	—4·6	19·6	+0·8	28·9	—1·9	18·4	63·7	3rd	12·3	17th	51·4
	Kabul		(*c*) 24·215	—·030		24·450	4th	23·870	8th	·580	28·9	54·7	+7·0						65·4	27th			
	Meshed	3,104	26·900		30·223	27·221	15th	26·598	5th	·623	29·8	54·4	+7·6	24·9	—3·3	39·7	+2·1	29·5	69·9	28th	15·0	10th & 16th.	54·9
	Jask	13	30·075	+·034	30·040	30·257	16th	29·915	7th & 8th.	·342	64·4	78·0	+3·2	62·2	+0·2	70·1	+1·7	15·8	83·1	28th	53·4	16th	29·7
	Muscat	20	30·101	+·037	30·069	30·277	15th	29·973	1st	·304	69·8	79·3	+5·4	67·5	0	73·4	+2·7	11·8	86·1	8th & 28th.	62·2	17th	23·9
	Bahrein	18																					
	Bushire	14	30·094	+·049	30·070	30·199	12th	29·934	5th	·265	57·3	67·3	+1·8	54·1	+1·2	60·7	+1·5	13·2	83·3	6th	45·4	15th	34·9
	Busrah	25	30·105	—·034	30·101	30·266	11th	29·922	3rd	·344	55·6	71·1	+5·7	50·0	+1·0	60·6	+3·3	21·1	87·3	2nd	39·6	14th	47·7
	Kerman		(*c*) 24·557			24·720	12th	24·420	1st & 2nd.	·300	35·2	61·7		32·6		47·1		29·1	76·5	21st	13·8	15th	62·7
	Ispahan §	*5,817*	(*b*) 24·282	+·062		24·490	15th	24·120	20th	·370	33·5	55·4	+1·5	30·4	+1·7	42·9	+1·6	25·0	71·4	26th	16·2	15th	55·2
	Tehran (*b*)	*4,002*																					
	Baghdad	127																					
	Beirut (*d*)																						
	Aden	94	29·861	+·005	29·983	30·064	9th	29·866	1st	·198	74·2	80·1	—0·9	72·4	—0·9	76·3	—0·9	7·7	82·3	6th	68·1	6th	14·2
	Zanzibar	72	29·923	+·004	29·921	29·970	28th	29·858	8th	·112	82·5	87·4	+0·5	80·1	+0·2	83·8	+0·3	7·3	90·3	9th	76·3	12th	14·0

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.
(*d*) 8½ hrs. observations.
§ 7 hrs. observations.

B—*concluded.*

stations in India, etc., in February, 1915—*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 December 1914 to 28th Feby. 1915.	Normal rainfall for period, 1st December to 28th February.	Departure from normal of period, 1st Dec. 1914 to 28th Feb. 1915.	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
																																Hill stations, excluding Kashmir and Baluchistan—*concld.*
																49	− 7	·115	−·013	3·5	−1·0	5	5·8	−0·8	3·06	3·31	−0·25	8·13	7·19	+ 0·94	1·16	Simla.
																86	+ 1	·151	+·002	4·6	−0·3	4	9·0	−5·0	7·59	9·07	−1·48	16·63	17·09	− 0·46	3·44	Sarain.
																																Kalabagh.
										N 66° E		4·6											5·8			4·59			10·17			Chakrata.
2	0	3	8	7	0	2	6	0	S 61° E		6·7			32		55	− 4	·130	−·011	3·6	−0·5	5	4·8	+0·2	5·65	2·54	+3·11	6·38	5·75	+ 0·63	2·15	Mukteswar.
21	0	0	0	0	0	1	6	0	S 84° W	S 53° E	1·9	4·0	−2·1	25	+ 5	83	0	·209	+·006	5·4	+1·1	8	2·4	+5·6	3·26	0·99	+2·27	3·27	1·85	+ 1·42	0·78	Darjiling.
23	0	9	0	1	0	2	2	0	S 52° W		1·7			11		66	− 2	·252	+·013	2·9	+0·2	4	2·9	+1·1	2·53	1·35	+1·18	3·56	1·80	+ 1·76	1·16	Shillong.
6	1	6	6	0	0	3	5	1	N 33° E		4·8			18		68	0	·291	+·013	2·9	−0·2	5	3·1	+1·9	3·57	2·69	+0·88	4·39	3·31	+ 1·38	1·66	Cherrapunji.
26	0	0	0	0	0	2	0	0	S 45° W		1·3			4		88	+ 5	·345	−·009	1·0	−0·5	1	0·7	+0·3	0·21	0·16	+0·05	1·80	0·69	+ 1·11	0·21	Maymyo.
4	0	5	0	2	1	10	1	5	S 70° W	S 23° W	3·7	3·2	+0·5	25	+ 9	53	+ 3	·288	+·012	1·4	−0·7	5	1·3	+3·7	2·32	0·56	+1·76	2·69	1·74	+ 0·95	0·92	Pachmarhi.
9	0	7	0	2	0	6	0	4	N 18° W	N 45° W	4·2	4·5	−0·3	7	−21	41	+ 2	·195	+·006	1·7	−0·4	1	0·7	+0·3	0·15	0·34	−0·19	0·84	0·79	+ 0·03	0·15	Mount Abu.
15	2	4	6	0	0	0	0	1	N 56° E	N 60° E	2·4	3·1	−0·7	32	−10	75	+ 2	·488	+·031	3·0	−0·5	0	0·5	−0·5	0·17	0·19	−0·02	2·21	1·21	+ 1·00	0·07	Mercara.
5	0	0	8	12	3	0	0	0	S 55° E		2·6			67		62	+11	·285	+·061	3·1	+1·1	2	1·1	+0·9	0·37	0·71	−0·34	3·49	5·06	− 1·57	0·21	Ootacamund.
0	5	6	6	2	2	0	1	6	N 33° E		7·9			42		58	+ 2	·249	+·010	3·2	+0·9	2	2·4	−0·4	0·52	1·74	−1·22	14·09	9·05	+ 5·04	0·21	Kodaikanal.
																																Extra India.
8	1	15	1	1	0	0	0	2	N 42° E					53						4·7	+0·1	7	9·9	−2·9	5·52	7·60	−2·08	22·16	29·25	−7·09	2·38	Singapore.
0	4	1	9	8	3	0	2	1	S 76 E		8·8			43								0	6·3	−6·3	0·01	5·50	−5·49	8·87	16·87	− 8·00	0·01	Penang.
7	0	13	0	1	0	5	0	1	N 45° E‡	N 7° E	3·9	5·0	−1·1	8	−13	87	+ 2	·821	+·004	5·5	+2·5	3	2·5	+0·5	1·99	2·12	−0·13	24·11	21·85	+ 2·26	1·25	Trincomalee.
13	4	11	0	0	0	0	0	0	N 33° E	N 58° E	3·7	4·7	−1·0	53	0	92	+13	·761	−·029	8·4	+5·6	0	3·7	−3·7	0·20	2·28	−2·08	6·94	11·22	− 4·28	0·08	Colombo.
0	14	7	0	0	0	0	0	7	N		7·4†	6·1	+1·3	84		82		·784		3·9		3			1·59	1·50	+0·09	14·09	10·04	+ 4·05	0·65	Hambantota.
14	9	4	1	0	0	0	0	0	N 18° E	N 20° E	3·5	3·8	−0·3	46	−20					1·9	−1·2	0	1·3	−1·3	0	0·68	−0·68	10·20	5·64	+ 4·56	0	Minicoy.
1	13	5	9	0	0	0	0	9	N 7° W		5·5			82		72	− 1	·769	−·033	2·3	−1·0	0	0·2	−0·2	0	0·07	−0·07	5·74	1·51	+ 4·23	0	Amini Divi.
8	0	0	2	13	4	0	1	0	S 38° E		5·7			57						1·9		1			0·20			0·20			0·15	Gyantse.
0	4	2	3	12	6	1	0	0	S 50° E		5·3			57								2			0·36			0·36*			0·18	Pharijong.
26	0	1	1	0	0	0	0	0	N 63° E		1·1			7		85	+ 6	·282	+·024	2·4	−0·8	7	5·2	+1·8	2·99	2·54	+0·45	3·05	4·43	− 1·38	0·82	Gangtok.
																																Gartok.
15	0	8	1	0	1	0	0	3	N 36° E	N 29° W	1·2	1·1	+0·1	32	+22	75		·094		6·7	+2·3	3	0·3	+2·7	0·46	0·07	+0·39	0·67	0·36	+ 0·31	0·10	Kashgar.
2	0	2	0	1	1	5	13	4	S 87° W	S 51° E				61	+52	90	+10	·144	+·030	2·5	−1·0	0	3·6	−3·6	0	1·57	−1·57	0	3·44	− 3·44	0	Kabul.
23	3	0	0	0	0	0	1	1	N 27° W		2·4			18		82	− 1	·134	−·035	3·9	−0·6	2	2·0	0	0·50	0·95	−0·45	1·20	2·49	− 1·29	0·28	Meshed.
1	8	8	5	0	0	0	1	5	N 19° E	N 10° E	7·9	8·9	−1·0	63	− 5	68	− 8	·425	−·029	1·3	−1·1	0	1·8	−1·8	0	0·86	−0·86	0·15	2·92	−2·77	0	Jask.
12	0	0	3	0	0	0	5	8	N 53° W	S 82° W	1·8	3·4	−1·6	36	− 5	64	− 5	·470	−·035	2·2	−0·1	0	1·6	−1·6	0·04	0·78	−0·74	1·18	2·48	−1·30	0·04	Muscat.
																							1·7			0·59			1·77			Bahrein.
7	2	2	2	4	0	0	0	11	N 10° W	N 43° E	6·8	5·8	+1·0	29	−18	81	− 1	·383	+·017	4·7	+1·1	2	3·8	−1·8	0·77	2·06	−1·29	2·38	7·99	− 5·61	0·35	Bushire.
0	1	0	2	6	1	5	9	4	S 61° W		5·0			36		89		·401				0	2·5	−2·5	0	1·05	−1·05	0§	3·04	−3·04	0	Basrah.
25	2	0	0	0	0	0	0	1	N 18° W		1·2a			11		71		·152		3·0		0			0			0·50			0	Kermaan.
25	0	1	0	0	0	0	1	1	N 45° W	S 82° W	1·4	3·4	−2·0	4	−38	65b		·165b		3·2	+0·6	0	1·3	−1·3	0·14	0·40	−0·26	0·52	1·86	− 1·34	0·08	Ispahan.
										N 22° E		2·6											3·0			1·04			4·61			Tehran.
										N 8° E		3·2											2·4			1·37			3·58			Baghdad.
																																Beirut.
3	3	18	4	0	0	0	0	0	N 47° E	N 81° E	13·6	11·2	+2·4	82	+ 3	77	0	·651	−·026	3·6	−2·3	0	0·5	−0·5	0	0·31	−0·31	0	0·99	− 0·99	0	Aden.
3	5	13	3	3	0	1	0	0	N 52° E	N 27° E	5·1	4·9	+0·2	61	−11	78	− 1	·866	−·002	7·3	+0·8	2	3·7	−1·7	0·76	2·41	−1·65	6·87	11·32	− 4·45	0·52	Zanzibar.

* Rainfall for January wanting.
† Mean of 27 days.
‡ One wind less.
§ Rainfall for February only.

a Mean of 26 days.
b „ „ 12 „

Table C.—Abstract of observations taken at 8 hrs. at 61 fourth and fifth class stations in India, etc., in February, 1915.

Table

Abstract of observations taken at 8 hrs. at 61 fourth

Number of sub-division.	Station.	Temperature of air.													Wind direction.										
		Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.	Number of winds from: 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.—Assam.																								
4	Balek	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Bishnath	59·1	77·0	+2·4	54·4	+6·1	65·7	+4·3	22·6	83·3	20th	48·9	13th	34·4	...	...	...	...	...	...	...	...	...	...	...
	Borjuli	61·6	76·8	+0·2	53·8	+5·9	65·3	+3·1	23·0	83·0	28th	48·8	2nd	34·2	...	...	...	...	...	...	...	...	...	...	...
	Chandkhira	59·2	84·4	+3·4	49·9	−1·7	67·1	+0·9	34·5	92·7	19th	43·5	26th	49·2	...	...	...	...	...	...	...	...	...	...	...
	Doom Dooma	56·5	73·7	+8·9	53·3	+3·6	63·5	+6·3	20·4	80·8	25th	47·4	23rd	33·4	...	...	...	...	...	...	...	...	...	...	...
	Dikom	58·1	74·2	+1·4	53·9	+3·6	64·1	+2·5	20·3	81·4	28th	48·2	13th	33·2	...	...	...	...	...	...	...	...	...	...	...
	Golaghat	59·3	75·3	+1·3	54·2	...	64·7	...	21·1	81·1	28th	48·6	2nd & 4th	32·5	...	...	...	...	...	...	...	...	...	...	...
	Hailakandi	62·2	81·3	+1·8	54·4	+2·2	67·9	+2·0	26·9	88·5	20th	49·8	13th & 27th.	38·7	...	...	...	...	...	...	...	...	...	...	...
	Jorehat	58·8	76·5	+2·5	55·6	+3·3	66·1	+2·9	20·9	82·9	28th	52·8	13th	30·1	...	...	...	...	...	...	...	...	...	...	...
	Lumding	56·9*	78·0*	...	51·9*	...	64·9*	...	26·1	86·3	19th	47·0	24th	39·3	...	...	...	...	...	...	...	...	...	...	...
	Messa	64·5	81·0	+1·2	51·3	+3·4	66·1	+2·3	29·7	88·4	19th & 20th.	47·1	23rd	41·3	...	...	...	...	...	...	...	...	...	...	...
	Panerihat	55·1	77·9	+2·8	46·4	−1·9	62·1	+0·5	31·5	83·1	20th	38·0	7th	45·1	...	...	...	...	...	...	...	...	...	...	...
	III.—Bengal.																								
5	Comilla	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Brahmanbaria	64·2	83·4	+2·9	54·9	−0·7	69·1	+1·1	28·5	92·3	20th	51·7	14th	40·6	...	...	...	...	...	...	...	...	...	...	...
	Faridpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Goalundo	64·4	83·5	+3·4	52·5	+0·4	68·0	+1·9	31·0	93·3	18th	46·1	4 days	47·2	...	...	...	...	...	...	...	...	...	...	...
	Pabna	64·7	83·4	+0·8	60·0	+7·1	71·7	+3·9	23·4	94·0	18th	52·0	22nd	42·0	...	...	...	...	...	...	...	...	...	...	...
	Sirajganj	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Rampur Boalia	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Malda	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Rangpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Dam Dim	56·7	85·7	+4·8	50·1	+4·4	67·9	+4·6	35·6	94·9	25th	45·0	1st & 3rd	49·9	...	...	...	...	...	...	...	...	...	...	...
	Kalchini	64·5	78·9	+2·7	49·7	+0·9	64·3	+1·8	29·2	83·1	5 days	45·0	7th & 21st	38·1	...	...	...	...	...	...	...	...	...	...	...
	Nagrakata	65·1	76·4	−0·1	52·6	−1·2	64·5	−0·7	23·8	81·2	3rd	46·0	22nd	35·2	...	...	...	...	...	...	...	...	...	...	...
	Cooch Behar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Krishnagar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Bankura	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Raniganj (Asansol)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	IV.—Bihar and Orissa.																								
7	Hazaribagh	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	Bhagalpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Muzaffarpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Motihari	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Chapra	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Arrah	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Dehri	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

* Mean of 27 days.

C.

and fifth class stations in India, etc., in February, 1915.

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, 1914 to 28th February 1915.	Normal rainfall of period, 1st December to 28th February	Departure from normal of period, 1st December 1914 to 28th February 1915.		
27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
																					II.—Assam.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Balek.
...	...	...	...	...	92	− 2	·461	+ ·049	...	...	4	3·3	+0·7	2·36	0·99	+1·37	2·62	2·35	+0·27	1·27	Bishnath.
...	...	...	...	...	83	− 6	·453	+ ·047	...	...	5	1·5	+3·5	2·43	0·63	+1·80	2·47	1·48	+0·99	0·70	Borjuli.
...	...	...	...	...	91	− 2	·460	+ ·005	...	...	3	2·2	+0·8	1·39	1·17	+0·22	3·47	3·03	+0·44	0·65	Chandkhira.
...	...	...	...	...	91	− 3	·415	+ ·002	...	...	7	6·0	+1·0	2·03	2·36	−0·26	3·22	4·45	−1·23	0·72	Doom Dooma.
...	...	...	...	...	94	0	·454	+ ·044	...	...	6	5·2	+0·8	1·81	1·92	−0·11	2·60	3·95	−1·35	0·55	Dikom.
...	...	...	...	...	94	+ 1	·473	+ ·039	...	...	3	3·5	−0·5	2·07	1·03	+1·04	2·25	2·49	−0·24	1·51	Golaghat.
...	...	...	...	...	85	− 5	·473	+ ·045	...	...	3	2·8	+0·2	1·79	1·09	+0·70	3·86	3·74	+0·12	0·85	Hailakandi.
...	...	...	...	...	95	+ 1	·470	+ ·036	...	...	6	3·5	+2·5	2·40	0·96	+1·44	2·63	2·23	+0·40	1·50	Jorehat.
...	...	...	...	...	97†	...	·418†	...	...	...	3	2·4	+0·6	2·84	0·88	+1·96	4·33	1·43	+2·90	1·85	Lumding.
...	...	...	...	...	75	− 7	·454	+ ·025	...	...	5	2·5	+2·5	1·73	0·68	+1·05	2·17	1·57	+0·60	0·70	Messa.
...	...	...	...	...	99	+10	·434	+ ·085	...	...	4	1·8	+2·2	2·75	0·80	+1·95	2·75*	1·47	+1·28	0·98	Panerihat.
																					III.—Bengal.
...	...	...	...	...	...	...	...	...	...	...	2	1·9	+0·1	0·93	0·98	−0·05	3·72	1·52	+2·20	0·72	Comilla.
...	...	...	...	...	77	− 5	·460	− ·024	...	...	2	2·2	−0·2	1·77	0·76	+1·01	3·74	1·63	+2·11	1·37	Brahmanbaria.
...	...	...	...	...	...	...	...	...	...	...	3	2·0	+1·0	1·60	1·18	+0·42	3·67	1·81	+1·86	1·20	Faridpur.
...	...	...	...	...	73	− 8	·438	− ·004	...	...	2	2·2	−0·2	0·22	0·88	−0·66	1·70	1·54	+0·16	0·12	Goalundo.
...	...	...	...	...	86	+12	·527	+ ·092	...	...	1	1·8	−0·8	0·20	0·95	−0·75	0·83	1·70	−0·77	0·14	Pabna.
...	...	...	...	...	...	...	...	...	...	...	2	1·4	+0·6	0·23	0·76	−0·53	0·99	1·26	−0·27	0·12	Sirajganj.
...	...	...	...	...	...	...	...	...	...	...	2	1·5	+0·5	0·41	0·61	−0·20	1·00	1·04	−0·04	0·26	Rampur Boalia.
...	...	...	...	...	...	...	...	...	...	...	3	1·6	+1·4	0·96	0·95	+0·01	1·07	1·67	−0·60	0·50	Malda.
...	...	...	...	...	...	...	...	...	...	...	5	1·2	+3·8	1·95	0·57	+1·38	1·97	1·05	+0·92	1·19	Rangpur.
...	...	...	...	...	91	− 2	·421	+ ·052	...	...	5	2·2	+2·8	3·22	1·06	+2·16	4·22	1·57	+2·65	1·02	Dam Dim.
...	...	...	...	...	71	− 6	·437	+ ·012	...	...	4	2·7	+1·3	2·53	0·91	+1·62	2·53	1·72	+0·81	1·05	Kalchini.
...	...	...	...	...	69	− 6	·423	+ ·053	...	...	6	3·2	+2·8	2·75	1·25	+1·50	2·75	2·37	+0·38	0·84	Nagrakata.
...	...	...	...	...	...	...	...	...	...	...	5	1·8	+3·2	1·79	0·64	+1·15	1·92	0·87	+1·05	0·81	Cooch Behar.
...	...	...	...	...	...	...	...	...	...	...	1	1·5	−0·5	0·16	1·15	−0·99	1·21	1·78	−0·57	0·12	Krishnagar.
...	...	...	...	...	...	...	...	...	...	...	2	1·8	+0·2	0·65	1·00	−0·35	0·89	1·59	−0·70	0·55	Bankura.
...	...	...	...	...	...	...	...	...	...	...	3	1·6	+1·4	0·78	0·91	−0·13	0·89	1·56	−0·67	0·56	Raniganj (Asansol).
																					IV.—Bihar and Orissa.
...	...	...	...	...	...	...	...	...	...	...	3	2·3	+0·7	4·30	1·07	+3·23	5·46	2·06	+3·40	1·96	Hazaribagh.
...	...	...	...	...	...	...	...	...	...	...	5	1·7	+3·3	1·60	0·77	+0·83	1·99	1·41	+0·58	0·60	Bhagalpur.
...	...	...	...	...	...	...	...	...	...	...	2	1·6	+0·4	1·12	0·48	+0·64	1·31	1·18	+0·13	0·66	Muzaffarpur.
...	...	...	...	...	...	...	...	...	...	...	5	1·1	+3·9	1·76	0·47	+1·29	1·76	1·20	+0·56	0·85	Motihari.
...	...	...	...	...	...	...	...	...	...	...	4	1·5	+2·5	1·77	0·58	+1·19	1·99	1·39	+0·60	1·03	Chapra.
...	...	...	...	...	...	...	...	...	...	...	5	1·4	+3·6	2·00	0·71	+1·29	2·39	1·62	+0·77	1·11	Arrah.
...	...	...	...	...	...	...	...	...	...	...	3	1·7	+1·3	3·36	0·76	+2·60	4·27	1·62	+2·65	2·07	Dehri.

* Rainfall for December 1914 wanting. † Mean of 27 days.

Table

Abstract of observations taken at 8 hrs. at 65 fourth

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.	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
	V.—United Provinces of Agra and Oudh.																								
10	Meerut	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Dehra Dun	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	IX.—Rajputana.																								
18	Udaipur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	XII.—Central Provinces.																								
22	Chhindwara	59·6	81·5	...	53·9	...	67·7	...	27·6	88·9	16th	42·4	22nd	46·5	19	3	3	1	0	0	0	1	1	N 9° E	...
	XIII.—Hyderabad.																								
27	Parbhani	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	XV.—Madras.																								
31	Tinnevelly	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
32	Anantapur	75·0	93·7	...	66·8	...	80·2	...	26·9	97·9	21st	62·2	7th	35·7	...	...	...	...	...	...	...	...	...	...	...
33	Guntur	73·6	90·2	...	67·7	...	79·0	...	22·5	94·7	18th	61·8	19th	32·9	...	...	...	...	...	...	...	...	...	...	...
	Bay Islands.																								
1	Car Nicobar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Kashmir.																								
12	Jammu	53·6	65·8	...	48·5	...	57·2	...	17·3	76·1	28th	40·3	11th	35·8	0	11	16	0	0	0	0	1	0	N 24° E	...
	Sonamarg	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Kargil	11·8	30·7	...	1·3	...	16·0	...	29·4	40·3	9th	−15·0	21st	55·3	0	11	0	8	9	0	0	0	0	N 70° E	...
	Baluchistan.																								
15	Harnai	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Hill stations, exclusive of Kashmir.																								
	Panighatta	60·4	74·5	−0·6	55·5	+2·0	65·0	+0·7	19·0	81·1	19th	46·0	22nd	35·1	...	...	...	...	...	...	...	...	...	...	...
	Kurseong	50·2	58·7	+0·3	47·1	+1·4	52·9	+0·9	11·6	63·9	17th	42·4	22nd	21·5	...	...	...	...	...	...	...	...	...	...	...
	Gnatong	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Lachung	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Ringim	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Mussooree	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Poo	...	42·1	+1·6	26·3	+2·9	34·2	+2·3	15·8	50·7	26th	18·3	11th	32·4	23	0	0	0	0	0	0	5	0	W	...
	Kailang	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Bakloh	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Pishin	...	53·5	−1·8	27·3	−0·3	40·4	−1·1	26·2	65·3	22nd	17·0	17th	48·3	...	...	...	...	...	...	...	...	...	...	...

C—*continued.*

and fifth class stations in India, etc., in February, 1915—*continued.*

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 Decr. 1914 to 28th February, 1915.	Normal rainfall of period, 1st Decr. to 28th February.	Departure from normal of period, 1st Decr. 1914 to 28th February, 1915.		
27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
																					V.—United Provinces of Agra and Oudh.
...	...	...	...	...	...	...	...	...	...	...	4	1·7	+ 2·3	2·46	0·93	+ 1·53	5·28	2·59	+ 2·69	0·85	Meerut.
...	...	...	...	...	...	...	...	...	...	...	5	3·7	+ 1·3	4·98	2·33	+ 2·65	8·35	5·47	+ 2·88	2·18	Dehra Dun.
																					IX.—Rajputana.
...	...	...	...	...	...	...	...	...	...	...	2	0·5	+ 1·5	0·62	0·18	+ 0·44	2·11	0·35	+ 1·76	0·50	Udaipur.
																					XII.—Central Provinces.
2·7	...	...	21	...		...		...	2·2	...	2	...	...	0·54	...	...	1·51	...	...	0·23	Chhindwara.
																					XIII.—Hyderabad.
...	...	...	...	...	...	...	...	...	...	...	0	0·2	− 0·2	0·02	0·06	− 0·04	3·30	0·35	+ 2·95	0·02	Parbhani.
																					XV.—Madras.
...	...	...	...	...	...	...	...	...	...	...	2	1·6	+ 0·4	1·22	0·98	+ 0·24	20·68	5·66	+15·02	1·02	Tinnevelly.
...	...	...	...	...	66	...	·576	...	1·7	...	0	0·2	− 0·2	0	0·07	− 0·07	0·17	0·27	− 0·10	0	Anantapur.
...	...	...	...	...	91	...	·746	...	0·9	...	1	0·4	+ 0·6	0·83	0·29	+ 0·54	2·23	1·13	+ 1·10	0·83	Guntur.
																					Bay Islands.
...	...	...	...	...	...	...	...	...	...	...	2	2·5	− 0·5	4·25	1·36	+ 2·89	25·74	12·07	+13·67	2·75	Car Nicobar.
																					Kashmir.
...	...	...	86	...	71	...	·293	...	3·6	...	7	3·8	+ 3·2	2·80	2·97	− 0·17	4·86	7·18	− 2·32	0·85	Jammu.
...	...	...	...	...	...	...	...	...	...	...	12	9·9	+ 2·1	14·34	9·48	+ 4·86	30·79	26·85	+ 3·94	3·22	Sonamarg.
...	...	...	54	...	...	...	...	...	5·8	...	0	2·7	− 2·7	*0·15	0·98	− 0·83	2·68	2·88	− 0·20	0·06	Kargil.
																					Baluchistan.
...	...	...	...	...	...	...	...	...	...	...	0	3·5	− 3·5	0·10	1·64	− 1·54	1·48	3·41	+ 1·93	0·08	Harnai.
																					Hill stations, exclusive of Kashmir.
...	...	...	...	...	74	+10	·384	+0·44	...	...	6	1·8	+ 4·2	3·53	0·77	+ 2·76	4·03	1·56	+ 2·47	1·10	Panighatta.
...	...	...	...	...	84	+12	·304	+0·53	...	...	7	3·2	+ 3·8	3·97	1·23	+2·74	4·04	2·34	+ 1·70	1·23	Kurseong.
...	...	...	...	...	...	...	...	...	...	...	10	...	...	4·90	...	...	...	...	...	1·05	Gnatong.
...	...	...	...	...	...	...	...	...	...	...	8	...	...	4·95	...	...	6·65	...	...	1·60	Lachung.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Ringim.
...	...	...	...	...	...	...	...	...	...	...	5	4·5	+ 0·5	10·64	3·01	+ 7·63	15·63	6·74	+ 8·89	3·18	Mussooree.
...	...	...	18	...	...	...	...	...	5·1	+0·1	7	5·5	+ 1·5	2·19	2·31	− 0·12	4·63	5·09	−0·46	0·57	Poo.
...	...	...	...	...	...	...	...	...	...	...	7	5·9	+ 1·1	3·30	2·86	+ 0·44	7·88	6·67	+ 1·21	1·10	Kailang.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Bakloh.
...	...	...	...	...	...	...	...	...	2·9	...	2	3·8	+ 1·8	0·56	1·79	− 1·23	2·06	4·62	− 2·56	0·25	Pishin.

* Snow water.

Table

Abstract of observations taken at 8 hrs. at 65 fourth and

Number of sub-division.	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.	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	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Chumbi	28·4	48·3	...	...	...	...	...	...	57·8	19th	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Kirmanshah	36·0	50·6	...	29·8	...	40·2	...	20·8	69·0	5th	20·0	18th	49·0	...	...	...	...	...	...	...	...	...	...	...
	Koweit	...	57·8	...	53·7	...	55·8	...	4·1	65·3	3rd	43·0	15th	22·3	2	0	0	5	0	0	0	21	0	W	...
	Muhammerah	...	69·9	...	52·8	...	61·4	...	17·1	81·2	28th	43·0	13th	38·2	0	0	0	0	9	0	0	0	18	N 45° W*	...
	Pemba	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Prison Island	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Seistan	...	61·0	...	37·4	...	49·2	...	23·6	75·0	25th	26·0	19th	49·0	7	2	1	1	0	1	0	2	14	N 40° W	...

* 1 wind variable.

C—*concluded.*

fifth class stations in India, etc., February, 1915—*concluded.*

Wind velocity.			Wind steadiness.		Hygrometry, 8 hrs.				Cloud.		Rainfall.										
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 1914 to 28th February 1915.	Normal rainfall of period, 1st December to 28th February.	Departure from normal of period, 1st December 1914 to 28th February 1915.	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.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Ahwaz.
...	...	...	...	...	...	...	...	...	...	...	4	...	...	0·92*	...	...	0·92*	...	...	0·29*	Chumbi.
...	...	...	...	...	76a	...	·186a	...	...	...	5	...	...	2·64	...	...	9·36	...	...	1·79	Kirmanshah.
...	...	...	56	...	...	...	...	...	3·1	...	2	...	...	0·59	...	...	1·11	...	...	0·37	Koweit.
...	...	...	29	...	...	...	...	...	...	...	1	...	...	1·20	...	...	1·60	...	...	1·20	Muhammerah.
...	...	...	...	...	...	...	...	...	...	...	1	3·0	−2·0	0·14	1·76	−1·62	7·50	12·05	−4·55	0·12	Pemba.
...	...	...	...	...	...	...	...	...	...	...	...	1·9	...	...	1·46	...	...	9·66	...	...	Prison Island.
12·3	...	...	57	...	...	...	...	...	...	...	0	...	...	0·03	...	...	0·19	...	...	0·03	Seistan.

a-Mean of 17 days.

* Snow water.

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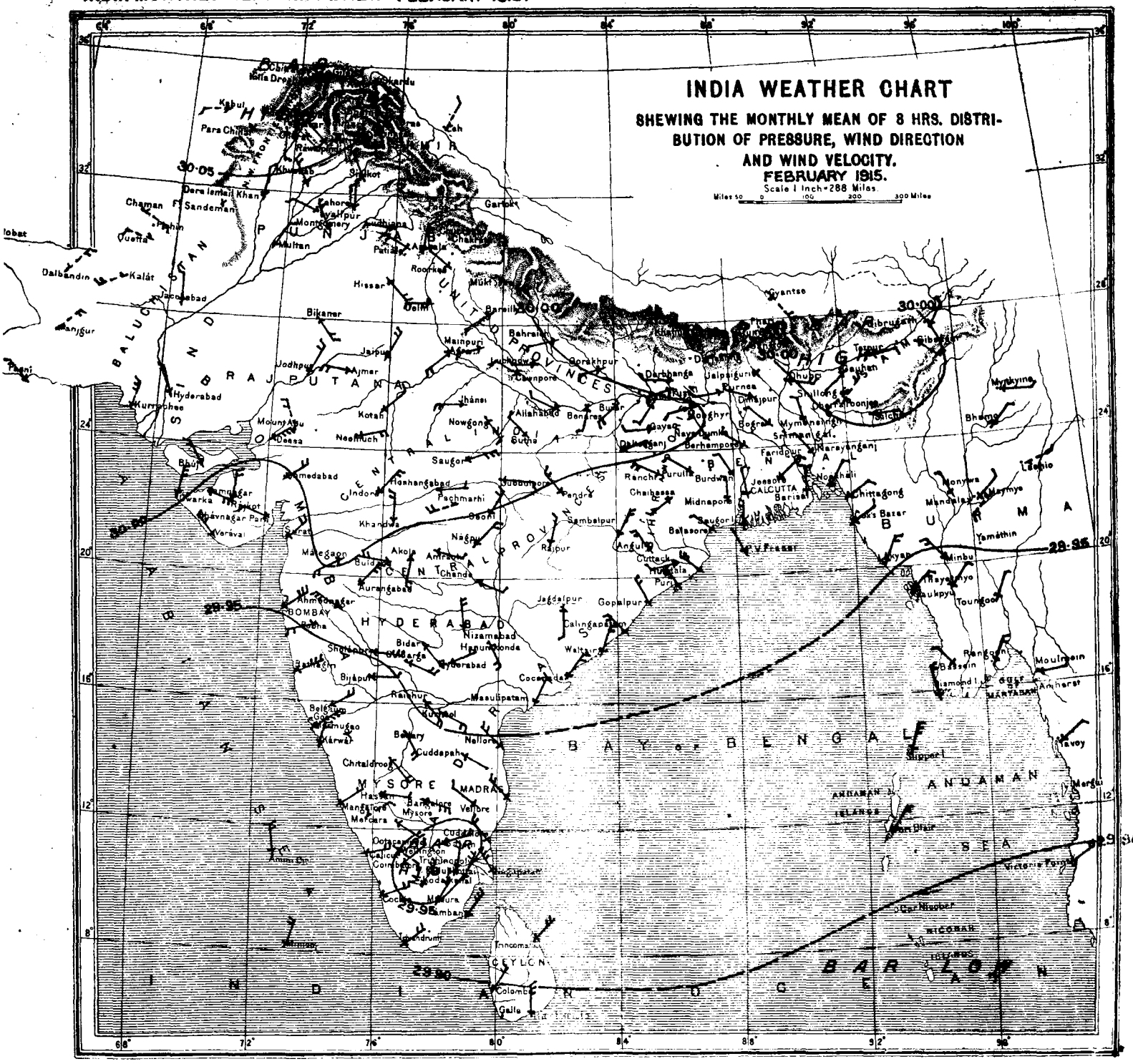


The lines of the above chart represent isobars or lines of equal barometric pressure, the numbers attached indicating the barometric pressure in inches and being drawn for differences of pressure of ·05 inch. The isobars in the Bay of Bengal are filled in by means of the shore observations, and by comparison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

Wind strengths are based on factor 2·2 for the standard type of Beckley Robinson anemograph, instead of 3·0 as used for this plate up to December 1911 inclusive.

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.

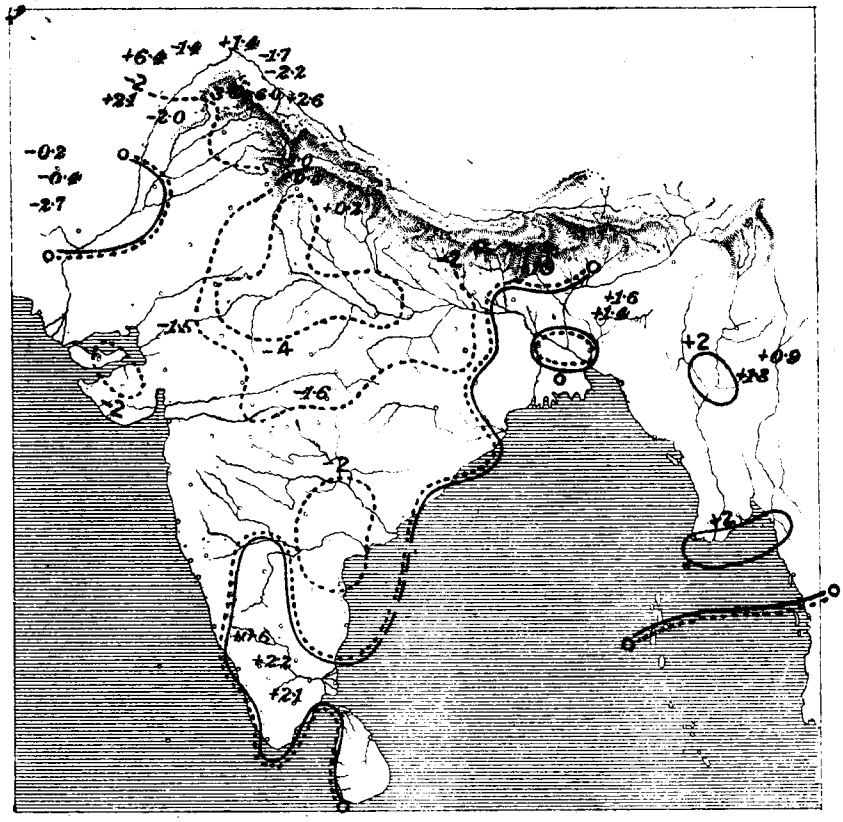


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MINIMUM TEMPERATURE.

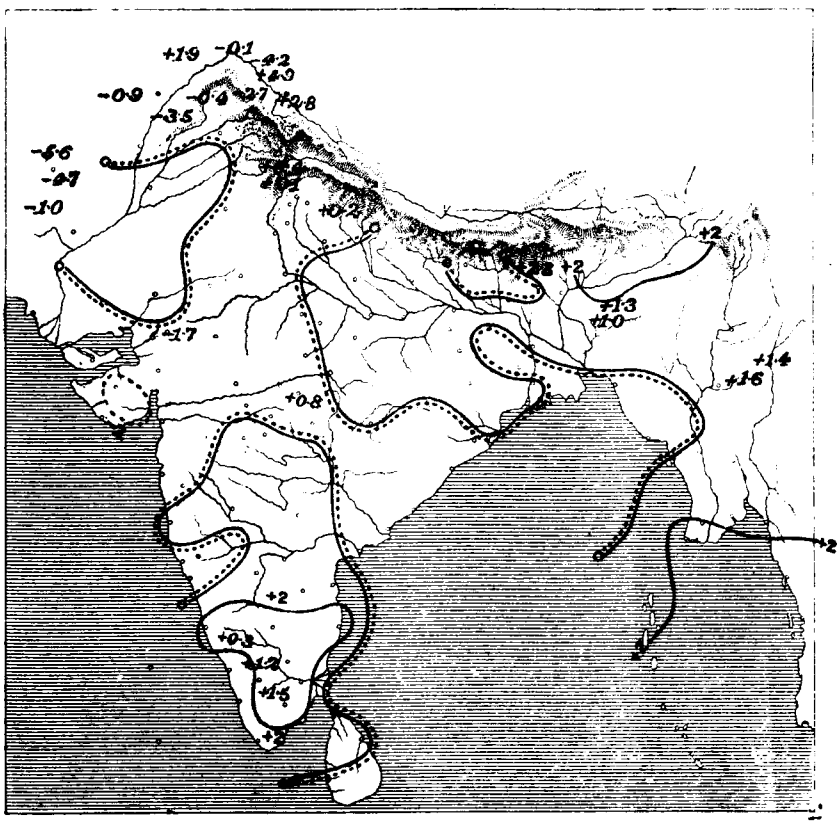


CHART SHEWING THE DEPARTURE FROM NORMAL
OF THE MONTHLY MEAN OF DAILY
MEAN TEMPERATURE.

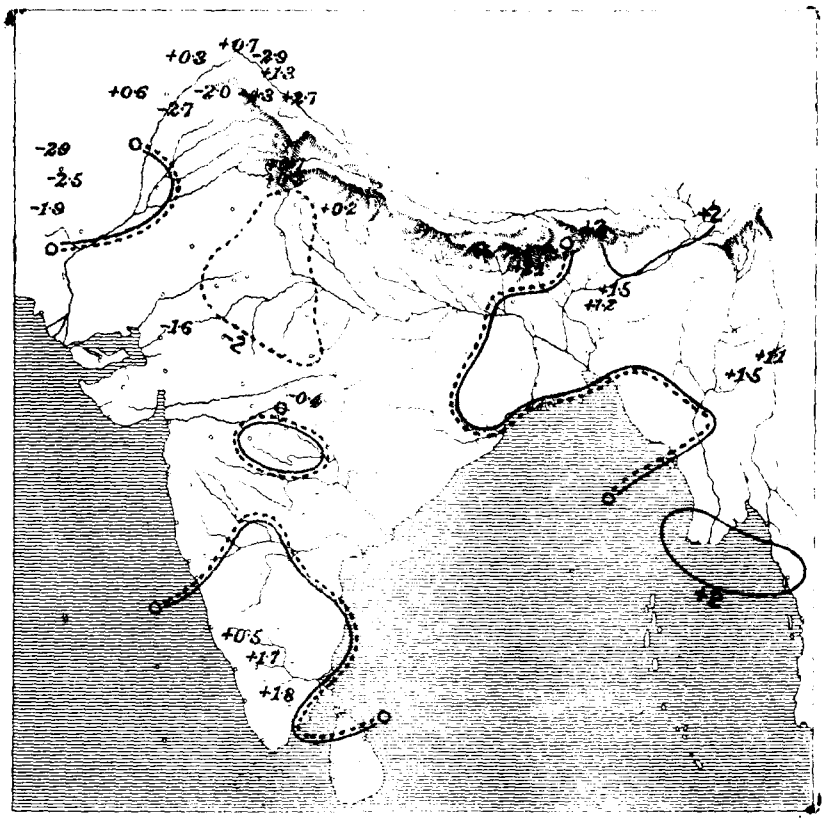


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF ABSOLUTE HUMIDITY AT 8 HRS.

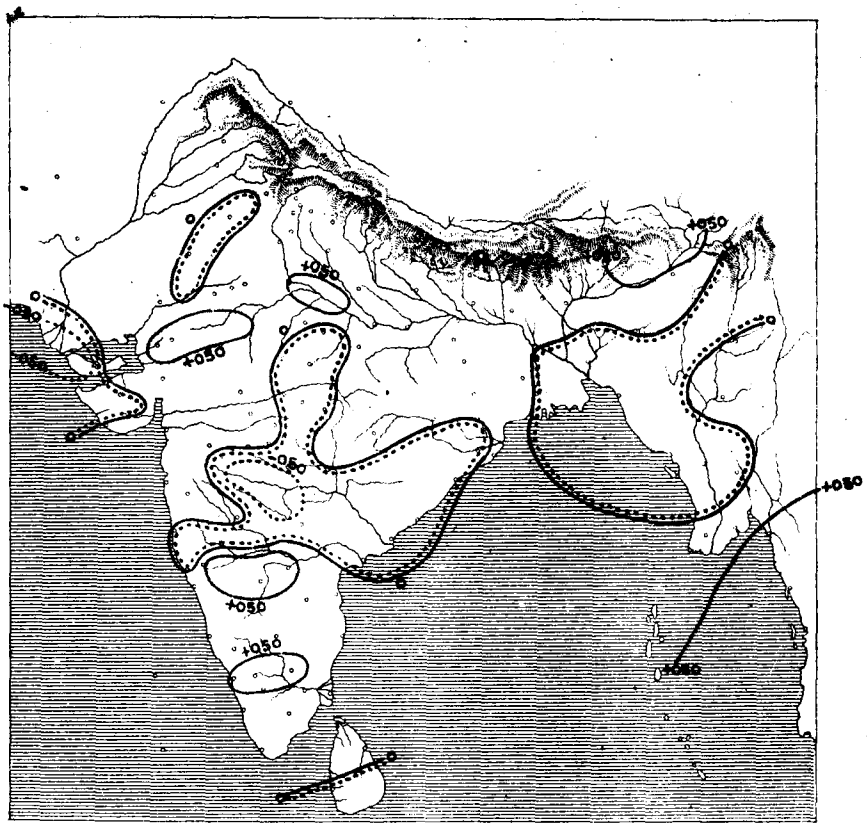


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF RELATIVE HUMIDITY AT 8 HRS.

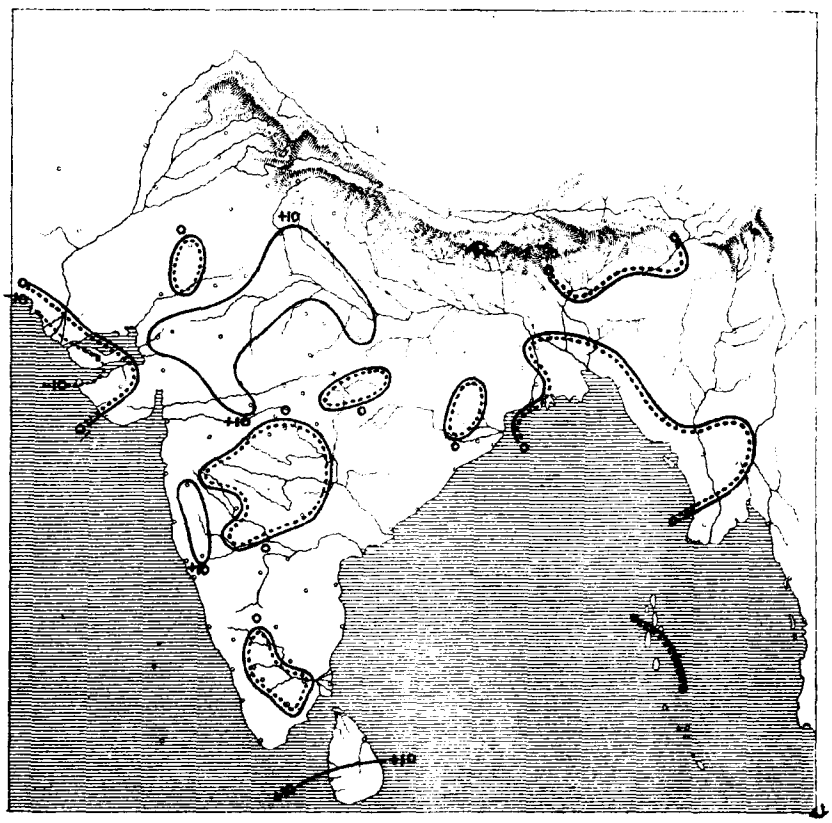


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF CLOUD AMOUNT AT 8 HRS.

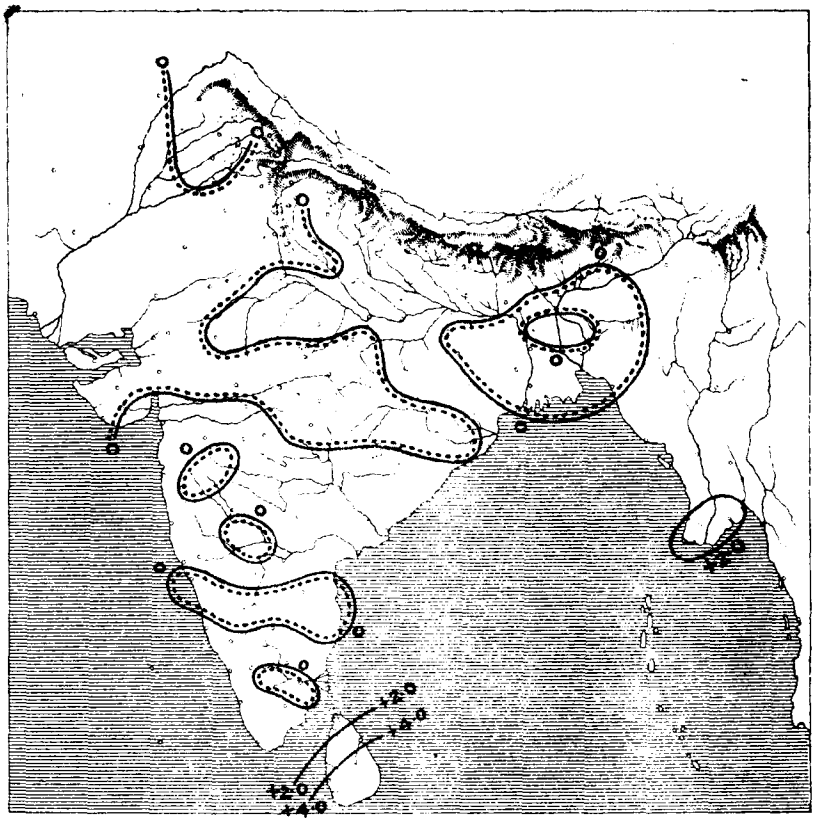
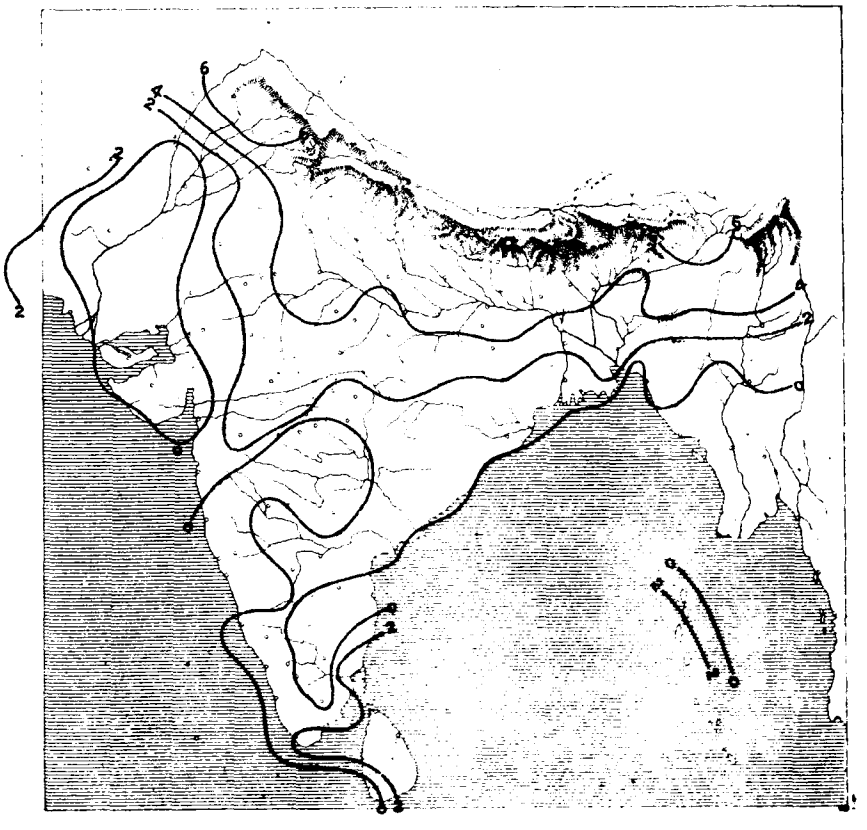
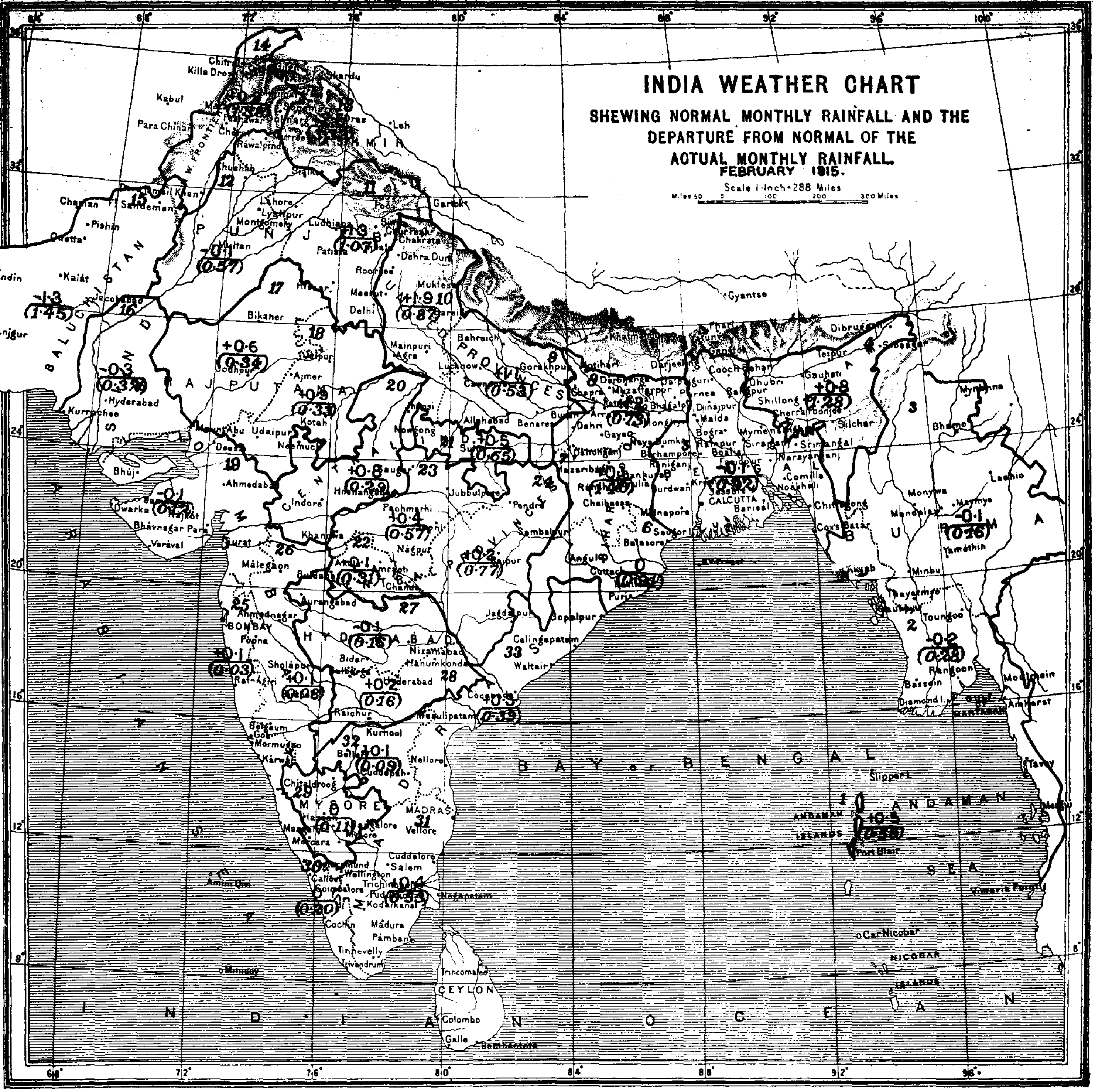


CHART SHEWING THE TOTAL NUMBER OF DAYS IN THE MONTH ON WHICH RAINFALL EQUALLED OR EXCEEDED 0·10 INCH.

(BASED ON THE RETURNS OF TABLE B.)





The country is divided into 33 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. Bengal
6. Orissa
7. Chota Nagpur
8. Bihar
9. United Provinces, East
10. United Provinces, West
11. Punjab, East and North
12. Do., Southwest
13. Kashmir
14. Northwest Frontier Province
15. Baluchistan
16. Sind
17. Rajputana, West
18. Rajputana, East
19. Gujarat
20. Central India, West
21. Do., East
22. Berar
23. Central Provinces, West
24. Do., East
25. Konkan
26. Bombay, Deccan
27. Hyderabad, North
28. Hyderabad, South
29. Mysore
30. Malabar
31. Madras, Southeast
32. Madras, Deccan
33. Madras Coast, North

GOVERNMENT OF INDIA

METEOROLOGICAL DEPARTMENT

MONTHLY WEATHER REVIEW

MARCH 1915.

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Indian Meteorological Memoirs, Vol. VII, containing :—	
Hourly observations of pressure, temperature, vapour tension, humidity, cloud, wind direction and velocity of wind taken at Trivandrum during the years 1853 to 1864. Complete in 7 parts . . Price each part Re. 1-8	Sir John Eliot.

* Copies for the years 1876, 1878 to 1881, 1884, 1887 and 1890 are out of print.

† Copies for the years 1891 to 1905 are out of print.

‡ Published continuously about four months after date. Copies for 1891—97, January, 1898, January, 1899, to May, 1902, January to November (June excepted), 1906, and January and March, 1904, are out of print.

Continued on page iii of this cover.

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GOVERNMENT OF INDIA.

METEOROLOGICAL DEPARTMENT.

MONTHLY WEATHER REVIEW.

PUBLISHED BY ORDER OF

THE GOVERNMENT OF INDIA.

CALCUTTA, MARCH, 1915.

INTRODUCTION.

THIS review of the weather in India during the month of March, 1915, is based on observations taken daily at 8 hrs. at 215 stations, and on additional observations taken at 10 hrs. and 16 hrs. at 14 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, magnetic and seismic 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 remarkably wet over by far the greater part of the Indian area. In northern India this was owing to depressions of the cold weather type aided by pressure distribution favourable to an inflow of damp air from the Bay, and in the Peninsula due to a peculiar disturbance during the first week.

During the greater part of the month the distribution of pressure over north-east India was very unusual and such as favoured the prevalence of dry land winds at the head of the Bay where in years of ordinary conditions sea breezes set in towards the latter part of February. It was owing to this circumstance that in Assam there was a comparative absence of the usual thundershowers.

The aggregate precipitation of the month was within 6 per cent. of the normal in Baluchistan, Kashmir and the North-West Frontier Province, in defect by 26 per cent. in Lower Burma and by 24 per cent. in Assam, and abnormally heavy for the time of year over the rest of the country. In the region comprising Rajputana East, Gujarat, Central India West, Berar, Hyderabad and the Madras Deccan, the recorded smounts were seven to thirteen times the normal.

As is ordinarily the case in periods of abundant rainfall the air was damper and the sky more cloudy than usual in most parts of the country. The departures from normal of temperature were feebly marked, except in the case of Baluchistan where the mean temperature was 5° in excess of the average.

Barometric pressure for the month in the plains was as much as ·057″ in excess of the normal.

Solar, magnetic and seismic disturbances.

KODAIKANAL OBSERVATORY.

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

Sunspots.—Eighteen new groups of spots were observed, being the same number as in January and February. The daily average number was 3·7 as against 3·3 in February

and the average life of a spot was 5·0 days. A large group of spots came round the east limb on the 30th. The distribution of spots in latitude was as follows :—

TABLE 1.

—	11°—20°	21°—30°	31°—40°	Mean latitude.	Extreme latitudes.
North	5	7	...	21°·3	14° & 30°
South	8	2	1	21°·8	18° & 31°

Prominences.—Eighty-six large prominences were recorded during the month. There was also one eruptive and metallic prominence observed on the 8th at latitude +23° west. The highest prominence was 240″ and was recorded on the 21st at latitude —56° east.

Magnetic disturbances.—One "moderate" disturbance was recorded on the 20th instant.

J. EVERSHED,
Director,
Kodaikanal and Madras Observatories.

Seismic records.

$\phi = 10° 13' 50''$; $\lambda = 77° 28' 00''$; $h = 2343$ m. Subsoil Rock.

Apparatus.—Milne's Horizontal Pendulum Seismograph.

TABLE 2.

	V	To	ϵ	$\frac{r}{To^2}$
AN :				
AE :	9·76	18	1	2·5
AZ :				

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude (μ). An.	Ae.	Az.	Distance Δ (Km.)	Remarks.
1915. Mar. 8th	e P	h. m. s. 16 09 42	...	...	...	...	...	Widening of line.
	F	16 23 36	...	...	...	...	...	
„ 0th	e P	1 16 24	...	...	...	...	...	
	F	1 27 12	...	...	...	...	...	Widening of line.
„ 12th	e P	15 03 12	...	...	...	...	...	
	e L	15 07 06	...	...	...	...	...	
	M	15 15 48	...	...	100	...	...	
	F	16 05 48	...	...	...	...	...	
„ 17th	i P	19 02 54	...	...	...	...	...	Widening of line.
	F	19 13 00	...	...	...	...	...	
1915. Mar. 18th	e P	h. m. s. 2 30 00	...	...	...	...	...	Hour mark broad. probably a widening of line superposed on it.
„ 18th	...	...	...	...	...	...	...	
	i L	21 14 12	...	...	...	...	...	
	M	21 22 48	...	...	50	...	...	
	F	21 38 48	...	...	...	...	...	
„ 26th	e P	5 26 06	...	...	...	...	...	Widening of line.
	F	5 28 42	...	...	...	...	...	
„ 30th	e P	9 30 00?	...	...	...	...	...	P. Ts. merged in hour mark.
	e L	9 33 06	...	...	...	...	...	
	M	9 36 42	...	...	60	...	...	
	F	9 52 54	...	...	...	...	...	

S. SITARAM AIYAR,
Actg. Assistant Director,
Kodaikanal and Madras Observatories.

BOMBAY OBSERVATORY.

Alibag magnetic record.

4. During the month of March 1915, the traces showed 11 calm days, and 20 days of small disturbance.

The days of the month selected as quiet for the purposes of the Magnetic Survey of India are the 4th, 13th, 14th, 15th and 29th.

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	S	26	S
3	C	11	S	19	S	27	S
4	C	12	C	20	S	28	S
5	C	13	C	21	S	29	C
6	S	14	C	22	S	30	S
7	S	15	C	23	S	31	S
8	S	16	C	24	S	...	...

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

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 the declination for the month are as follow :—

Easterly declination	0° 41′ 40″.
Horizontal force	0·36876 C.G.S. unit.
Vertical force	0·16658 C.G.S. „
Inclination	24° 18′·6.
Horizontal force range	0·00046 C.G.S. unit.
Horizontal force summed range	0·00288 C.G.S. „
Declination range	3′·0.
Declination summed range	10′·6.

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

Seismic records.

$\phi = 18° 53' 36''$; $\lambda = 72° 48' 56''$; $h = 11$ m. Subsoil Trap.

Apparatus.—Milne's Horizontal Pendulum Seismograph.

TABLE 4.

	V	To	ϵ	$\frac{r}{To^2}$
AN:				
AE:	·9	·21	·1	
AZ:				

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude (μ). An.	Ae.	Az.	Distance Δ (Km.)	Remarks.
1915. Mar. 7th		h. m. s. 21 21 14	...	...	...	...	...	Local shock.
„ 8th	P	15 49 5	...	...	...	...	...	
	M	16 12 17	...	...	56	...	...	
	F	16 34 10	...	...	...	...	...	
„ 10th		10 19 00	...	...	...	...	...	Thickening of line.
„ 12th		11 15 00	...	...	...	...	...	Thickening of line.
„	P	.....	...	...	...	...	...	Beginning lost in shifting time.
	M	15 19 12	...	...	133	...	...	
	F	15 48 27	...	...	...	...	...	
1915. March 17th		h. m. s. 13 35 00	...	...	...	...	...	Thickening of line.
„	P	19 3 29	...	...	...	...	...	
	M	19 4 29	...	...	33	...	...	
	F	19 33 28	...	...	...	...	...	
„ 21st		13 38 00	...	...	...	...	...	Thickening of line.
„ 24th		13 25 to 28	...	...	...	...	...	Thickening of line.
„ 30th	P	.....	...	...	...	...	...	Beginning mixed in tremors.
	M	9 30 55	...	...	33	...	...	
	F	.....	...	...	...	...	...	End mixed in tremors.

One disturbance at about 1¾ h. on 3rd is masked by tremors.

Sensibility to tilt 1 mm. of amplitude on the trace = 0·29″.

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

5.—CALCUTTA (ALIPORE) OBSERVATORY.

The Seismograph dismantled.

6. SIMLA OBSERVATORY.

Seismic records.

$\phi = 31° 6' 0''$; $\lambda = 77° 11' 0''$; $h = 2433·5$ m. Subsoil Rock.

Apparatus.—Two Omori—Ewing Horizontal Pendulum Seismographs. (Masses 50 Kg.).

TABLE 5.

	V	To	ϵ	$\frac{r}{To^2}$
AN:	14	45	1	
AE:	14	45	1	
AZ:				

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude (μ). An.	Ae.	Az.	Distance Δ (Km.)	Remarks.
1915.		h. m. s.						
Mar. 3rd	P	1 42 54	...	...	...	...	...	
	S	1 43 36	...	236	157	...	...	
	L	1 44 06	Small	...	...	...	...	
	M	1 44 12	...	...	...	...	...	
	F	1 56 00	...	...	...	...	...	
„ 8th	P	15 38 18	...	...	...	...	...	
	S	15 45 42	...	...	...	...	...	
	L	16 00 18	18	21	14	...	...	
	M	16 02 18	...	...	...	...	...	
	F	16 21 00	...	...	...	...	...	
„ 12th	P	14 55 36	...	...	...	...	...	
	S	15 03 36	...	...	...	...	...	
	L	15 14 36	...	...	...	...	...	
	M	15 15 36	12	43	29	...	...	
	F	15 57 00	...	...	...	...	...	
„ 17th	e	18 53 18	...	...	...	...	...	
	M	19 01 18	6	36	29	...	...	
	F	19 38 00	...	...	...	...	...	
„ 18th	e	21 7 18	...	...	...	...	...	
	M	21 24 36	18	21	29	...	...	
	F	21 42 60	...	...	...	...	...	
„ 27th	e	15 39 42	...	...	...	...	...	
	M	15 42 24	9	7	7	...	...	
	F	15 48 00	...	...	...	...	...	

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

TABLE 6.

Place at which felt.	Date	G. M. T. of earthquake.	Duration.	Intensity Rossi-Forel scale.	No. of shocks.
		h. m.	Sec.		
Kila Drosh	Mar. 2nd	18 0	10	3	1
Srinagar	„ 3rd	1 39	15	5	2
D. I. Khan	„ 3rd	1 44	23	8	3
Hoti (Peshawar District, N.-W. F. P.)	Mar. 3rd	1 45	20	4	1
Lahore	„ 3rd	1 45	20	6	1
Multan	„ 3rd	1 45	30	5	5
Khushab	„ 3rd	1 50	25	8	1
Ludhiana	„ 3rd	2 6	12	5	2
Kila Drosh	„ 3rd	2 15	7	4	1
Do.	„ 6th	10 55	4	4	1
Do.	„ 7th	18 45	9	5	1
Hoti (Peshawar District, N. W. F. P.)	„ 19th	5 10	3	7	1
Kila Drosh	„ 23rd	20 14	13	5	1
Borjuli (Darrang District, Assam.)	„ 27th	17 35	1	6	1
Shillong	„ 27th	20 11	1	5	1
Salonah (Nowgong District, Assam.)	„ 27th	20 13	25	6	2
Gauhati	„ 27th	20 20	15	7	2
Shillong	„ 27th	20 21	3	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	1·48
Minimum	1·44
Mean	1·46
Number of days of observation .	2

W. A. HARWOOD,

Imperial Meteorologist, Simla.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

7. No information has been received.

Weather in the Indian Ocean.

8. Atmospheric pressure was as high as in the plains of India. The winds blew from their normal directions, but there was a decided defect of rainfall at Seychelles, and a slight excess at Mauritius, while at Zanzibar the average amount of rain fell.

TABLE 7.

—	Mauritius.	Zanzibar.	Seychelles.
Departure from normal of mean pressure	+·037	+·056	+·055
Actual mean wind direction	S 87° E	S 23° E	N 16° W
Normal mean wind direction	S 78° E	S 27° E	N 17° W
Actual mean wind velocity (miles per diem).	183	70	93
Normal mean wind velocity (miles per diem).	183	94	86
Rainfall departure from normal	+0·98	+0·01	—5·50

Depressions and cyclonic storms.

9. Weather was disturbed in Persia during the greater part of the month, but the associated disturbances were ill-defined, being of the nature of extensive troughs of low pressure rather than well-marked depressions. From the point of Indian weather only two of the disturbances were important. The first appeared over Persia on the 5th and gradually extended eastwards to Assam. It was accompanied with widespread rain over northern India between the 8th and the 13th. The eastern extremity of the second disturbance crossed into India on the 25th and caused an inflow of moist easterly winds from the Bay which gave numerous thundershowers in north-east India and along the central and western Himalayas.

In the Peninsula, the weather was, as is ordinarily the case in March, quiet except during the first four days when numerous thundershowers occurred. The cause of these unsettled conditions is obscure; at the earth's surface the only abnormal features were a slight deficiency of pressure over Gujarat and the neighbouring region, and a marked excess over northern India.

Pressure.

10. Notwithstanding that over north-west India generally temperature was higher than usual and that over the rest of the country the conditions of temperature differed but little from the normal, the barometric pressure was everywhere in excess. The excess was greatest in Kashmir where it averaged ·13″; from there it diminished to ·02″ in Baluchistan and to ·01″ in the plains of the North-West Frontier Province. It averaged about ·09″ in Assam and Bengal and was almost equally great in the United Provinces and Bihar and Orissa. In the Peninsula, the excess averaged about ·05″, and was even greater in Burma (about ·07″).

Further the high pressure conditions extended southwards to Mauritius.

TABLE 8.

DIVISION.	Departure from normal of mean 8 hrs. pressure.
	″
Burma	+·065
Assam	+·089
Bengal	+·087
Bihar and Orissa	+·076
United Provinces	+·076
Punjab	+·047
North-West Frontier Province	+·013
Sind	+·033
Rajputana	+·032
Bombay	+·045
Central India	+·045
Central Provinces	+·054
Hyderabad	+·059
Mysore	+·056
Madras	+·059

The vertical gradient was about normal value in southern India, the Central Provinces, Rajputana and the Sind-Baluchistan region, and was considerably weaker than usual between Leh-Lahore and Murree-Peshawar.

TABLE 9.

HILL STATION.	Departure from normal pressure. A	PLAIN STATION.	Departure from normal pressure. B	Departure of pressure difference. B—A.
	″		″	″
Quetta	+·022	Jacobabad	+·026	+·004
Leh	+·109	Lahore	+·047	—·062
Murree	+·069	Peshawar	+·016	—·053
Simla	+·067	Ludhiana	+·063	—·004
Mount Abu	+·036	Deesa	+·045	+·009
Pachmarhi	+·038	Khandwa	+·052	+·014
Kodaikanal	+·051	Madura	+·053	+·002

Temperature.

11. Day temperature was in defect by more than 2° in Bihar, the United Provinces, Central India East, the Central Provinces, the Bombay Deccan, Hyderabad and the Madras Deccan and in excess in the North-West Frontier Province and Baluchistan, but in the rest of the country the deviations from the normal were small. Night temperature was within 2° of the normal, except in a small area comprising the Punjab South-west, Baluchistan, Sind and Rajputana West where it was from 2½° to 5° in excess.

Temperature was appreciably lower than normal in the Deccan, the Central Provinces East, Central India, the United Provinces, Bihar and west Bengal from the 2nd to the 6th, and in the region from Bihar to Baluchistan between the 10th and the 16th, while temperatures considerably in excess of the normal were recorded in north-west India from the 22nd onwards.

TABLE 10.

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	89·1	77·7	83·5	11·5	16·1	+0·4	+1·3	—0·9
2. Lower Burma	91·8	72·2	82·0	19·6	28·9	0	+0·7	—0·7
3. Upper Burma	92·0	64·2	78·1	27·8	42·1	—1·6	0	—1·6
4. Assam	88·1	61·5	72·3	21·7	36·0	—0·5	+0·5	—1·0
5. Bengal	87·7	65·9	76·8	21·7	35·6	—1·8	—0·8	—1·0
6. Orissa	91·9	70·6	81·3	21·3	35·2	—0·9	+0·5	—1·4
7. Chota Nagpur	88·9	64·1	76·5	24·9	41·8	—2·0	+0·7	—2·7
8. Bihar	87·7	63·1	75·4	24·6	41·4	—2·7	+0·2	—2·9
9. United Provinces, East	86·7	61·7	74·2	24·9	43·9	—3·9	+0·8	—4·7
10. Do., West	85·7	60·2	72·9	25·5	47·0	—3·3	+0·5	—3·8
11. Punjab, East and North	82·2	57·0	69·7	25·2	45·8	—0·7	+1·3	—2·0
12. Do., South-west	84·8	58·5	71·7	26·3	50·1	+1·8	+3·0	—1·2
13. Kashmir	50·2	26·4	38·3	23·7	50·0	+1·1	—1·5	+2·6
14. North-West Frontier Province	80·6	56·0	68·3	24·6	49·6	+2·6	+1·8	+0·8
15. Baluchistan	76·9	50·4	63·7	26·6	52·7	+4·4	+5·0	—0·6
16. Sind	89·3	66·0	77·7	23·3	46·5	+0·9	+2·7	—1·8
17. Rajputana, West	91·3	64·3	77·7	27·1	50·3	+1·3	+2·7	—1·4
18. Do., East	88·5	64·0	76·2	24·5	44·2	—1·9	+1·6	—3·5
19. Gujarat	91·2	66·5	78·8	24·7	43·9	—0·6	+0·9	—1·5
20. Central India, West	90·1	62·4	76·3	27·7	46·0	—1·5	+1·6	—3·1
21. Do., East	88·8	62·2	74·5	24·6	46·4	—4·5	+1·3	—5·8
22. Berar	92·2	68·0	80·1	24·2	42·5	—4·6	—0·3	—4·3
23. Central Provinces, West	90·2	64·5	77·3	25·7	44·1	—4·3	+0·4	—4·7
24. Do., East	90·8	66·0	78·4	24·8	41·2	—3·6	+0·6	—4·2
25. Konkan	86·7	73·5	80·1	13·3	24·8	—0·1	+0·3	—0·4
26. Bombay Deccan	93·8	65·3	79·6	28·5	44·4	—2·9	—0·1	—2·8
27. Hyderabad, North	92·2	68·3	80·3	23·9	39·4	—4·3	+0·1	—4·4

Sub-division.	Actual temperature.					Departure from normal of		
	Mean maximum.	Mean minimum.	Monthly mean of mean between maximum and minimum.	Mean daily range of temperature.	Absolute range during month.	Maximum.	Minimum.	Daily range.
	°	°	°	°	°	°	°	°
28. Hyderabad, South	94·0	71·2	82·6	22·7	37·9	—4·2	—0·5	—3·7
29. Mysore	91·5	67·5	79·4	24·0	35·8	—1·2	+1·4	—2·6
30. Malabar	89·4	76·6	83·0	12·7	20·7	—0·1	+0·7	—0·8
31. Madras, South-east	92·2	74·7	83·5	17·5	28·5	—1·2	+1·9	—3·1
32. Do. Deccan	97·5	73·6	85·6	23·9	38·5	—3·5	+0·8	—4·3
33. Do. Coast, North	89·3	73·0	81·1	16·3	32·3	—1·3	0	—1·3

TABLE 11.

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

Division.	Departure from normal of		
	Mean maximum temperature	Mean minimum temperature.	Mean temperature.
	°	°	°
Sind	+0·9	+2·7	+1·8
Rajputana	—1·1	+1·9	+0·4
Bombay	—1·3	+0·5	—0·4
Central India	—3·0	+1·4	—0·8
Central Provinces	—4·2	+0·3	—2·0
Hyderabad	—4·2	—0·2	—2·2
Mysore	—1·2	+1·4	+0·1
Madras	—1·3	+1·0	—0·1

Winds.

12. (*a*) Over the greater part of northern India as well as in Burma and Bombay the air movement was weaker and less steady than is usual in March.

(*b*) In Madras, Mysore, Hyderabad and the Central Provinces the air motion was slightly in excess of the normal, but the degree of steadiness was low.

(*c*) The direction of wind was very abnormal in the region from Bihar to north Rajputana and the south Punjab, being in many places the opposite of the normal.

TABLE 12.

Station.	Wind direction.	
	Actual.	Normal.
	°	°
Purnea	S 62 E	N 45 E
Darbhanga	N 79 E	S 82 W
Allahabad	S 67 E	S 85 W
Lucknow	N 81 E	N 80 W
Mainpuri	S 29 W	N 63 W
Bareilly	S 71 E	N 43 W
Roorkee	S 69 E	N 41 W
Nowgong	S 10 E	S 80 W
Bikaner	S 40 E	S 46 W
Hissar	S 4 E	N 24 W

TABLE 13.

Division.	Departure from normal of	
	Hourly wind velocity.	Wind steadiness.
Burma	—0·7	— 7
Assam	0	—11
Bengal	—1·2	—16
Bihar and Orissa	—0·3	—11
United Provinces	—0·7	—17
Punjab	+0·2	+ 3
North-West Frontier Province	—0·7	— 9
Sind	—1·5	— 2
Rajputana	—0·3	+ 5
Bombay	—0·5	— 8
Central India	—0·3	—21
Central Provinces	+0·4	— 5
Hyderabad	+0·4	— 3
Mysore	+0·5	—14
Madras	+0·6	— 3

Humidity and cloud.

13. The air was damper than usual in all the provinces with the exception of Burma, Assam, Bengal and Mysore, the largest excess occurring in Sind and Central India.

Cloud was in defect in north-west India and above the normal elsewhere. In Bihar and Orissa, Hyderabad, the Central Provinces and Burma the recorded amount was nearly double the normal value.

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	75	0	·652	—·006	3·9	+1·7
Assam	84	+ 1	·550	+·010	4·2	+0·3
Bengal	79	0	·624	—·006	3·8	+0·7
Bihar and Orissa	69	+ 9	·547	+·052	3·4	+1·6
United Provinces	66	+12	·465	+·101	2·1	+0·2
Punjab	69	+ 8	·421	+·066	2·7	—0·6
North-West Frontier Province.	75	+ 7	·430	+·071	3·2	—0·8
Sind	69	+15	·558	+·153	2·2	—0·2
Rajputana	48	+ 7	·357	+·063	2·1	—0·3
Bombay	63	+ 6	·554	+·036	2·3	+0·8
Central India	59	+17	·438	+·116	2·6	+0·7
Central Provinces	54	+13	·427	+·082	2·7	+1·1
Hyderabad	57	+ 8	·520	+·035	3·0	+1·7
Mysore	63	+ 1	·534	+·003	2·1	+0·3
Madras	76	+ 3	·785	+·033	2·9	+0·5

Rainfall.

14. Over by far the greater part of the country the month was unusually rainy. Indeed Lower Burma and Assam were the only areas in the plains which received less rain than usual. The excess amounted to 2½″ in Berar, about 2″ in the Madras Deccan, the Madras Coast North, Hyderabad, the Central Provinces West, Rajputana East, the United Provinces West and Bengal and 1½″ in the Punjab East and North; the normal fall in these areas excepting the last two is less than six-tenths of an inch.

In Baluchistan and Kashmir on the other hand the month's aggregate departed but little from the normal.

The mean rainfall for the whole of the plains of India was 1½″ which is more than double the normal amount.

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	0·7	0·65	0·48	+0·17	+ 35
2. Lower Burma	0·7	0·7	0·42	0·57	—0·15	— 26
3. Upper Burma	1·7	0·9	0·63	0·46	+0·17	+ 37
4. Assam	6·0	6·4	2·93	3·86	—0·93	— 24
5 Bengal	4·9	2·4	3·25	1·56	+1·69	+108
6 Orissa	3·5	1·9	1·73	1·13	+0·60	+ 53
7. Chota Nagpur	2·4	1·8	1·06	0·84	+0·22	+ 26
8. Bihar	2·1	1·0	1·06	0·47	+0·59	+126
9. United Provinces, East	2·3	0·7	0·90	0·28	+0·62	+221
10. Do., West	3·8	1·1	2·22	0·49	+1·73	+353
11. Punjab, East and North	3·3	1·7	2·28	0·81	+1·47	+181
12. Do., South-west	2·1	1·5	1·12	0·54	+0·58	+107
13. Kashmir	4·1	5·8	3·71	3·91	—0·20	— 5
14. North-West Frontier Province	2·7	3·8	2·02	1·92	+0·10	+ 5
15. Baluchistan	3·0	3·3	1·31	1·30	+0·01	+ 1
16. Sind	1·2	0·5	0·40	0·19	+0·21	+111
17. Rajputana, West	1·3	0·4	0·64	0·12	+0·52	+433
18. Do., East	3·2	0·5	1·90	0·19	+1·71	+900
19. Gujarat	1·1	0·1	0·52	0·04	+0·48	+1200
20. Central India, West	2·4	0·3	1·06	0·12	+0·94	+783
21. Do., East	2·5	0·6	0·96	0·22	+0·74	+336
22. Berar	4·4	0·7	2·83	0·28	+2·55	+911
23. Central Provinces, West	4·6	0·9	2·34	0·42	+1·92	+457
24. Do., East	2·4	1·2	1·27	0·58	+0·69	+119
25. Konkan	0·5	0·1	0·25	0·06	+0·19	+317
26. Bombay Deccan	1·4	0·3	0·64	0·15	+0·49	+327
27. Hyderabad, North	4·0	0·7	2·59	0·32	+2·27	+709
28. Do., South	4·1	0·7	2·50	0·38	+2·12	+558
29. Mysore	2·1	0·6	1·34	0·30	+1·04	+347
30. Malabar	1·3	1·0	1·10	0·57	+0·53	+ 93
31. Madras, South-east	2·2	0·8	1·73	0·54	+1·19	+220
32. Do., Deccan	2·3	0·1	2·12	0·17	+1·95	+1147
33. Do., Coast, North	3·2	0·9	2·28	0·52	+1·76	+338

TABLE 16.

Division.	Rainfall.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Burma	0·54	0·50	+0·04	+ 8
Assam	2·93	3·86	—0·93	— 24
Bengal	3·25	1·56	+1·69	+108
Bihar and Orissa	1·24	0·72	+0·52	+ 72
United Provinces	1·60	0·40	+1·20	+300
Punjab	1·99	0·74	+1·25	+169
North-West Frontier Province	2·02	1·92	+0·10	+ 5
Sind	0·40	0·19	+0·21	+111
Rajputana	1·49	0·17	+1·32	+776
Bombay	0·53	0·10	+0·43	+430
Central India	1·01	0·17	+0·84	+494
Central Provinces	2·08	0·44	+1·64	+373
Hyderabad	2·54	0·35	+2·19	+626
Mysore	1·34	0·30	+1·04	+347
Madras	1·88	0·49	+1·39	+284
Mean of India	1·55	0·61	+0·94	+154

Snowfall.

I.—AFGHANISTAN.

15. On the 8th there was a fall of about three feet on the Koh Khurag and Paghman hills and a light fall in Kabul itself. At the end of the month the unmelted residue of snow on the Paghman hills measured about 2 feet in depth.

II.—NORTH-WEST FRONTIER PROVINCE.

(*a*) *Wano.*—The statement below shows the character of snowfall in this locality :—

TABLE 17.

Locality.	Elevation.	Number of falls.	Total depth of snowfall.
	Feet.		Inches.
Marwatti and Pirghal	11,000	2	11
Bosh and Drenashtar	11,000	2	9

The snow had almost melted away by the middle of the month.

(*b*) *Dera Ismail Khan.*—About 1½ inches of snow fell on the Takht-i-Suleman and Zmaraighar on the 14th.

(*c*) *Kurram.*—There were altogether four falls on the Sufed Koh, *viz.*, on the 7th, 8th, 9th and 11th. At the end of the month the unmelted residue was reported to be about 3 feet on the Agam pass and 2 feet on the Paiwar Kotal.

(*d*) *Kohat.*—No snowstorms occurred.

(*e*) *Hazara.*—The following statement shows the character of snowfall in this area :—

TABLE 18.

Locality.	Number of falls.	Total depth of snowfall during month.	
		Feet.	Inches.
Narang	1	3	2
Paluderan	1	2	7
Kagan	1	0	6
Suudigali	2	2	4
Jachha	2	2	0
Dungagali	1	1	2
Tandiani	2	2	4

III.—KASHMIR.

(*a*) *Srinagar.*—Snow fell on three days to a total depth of about 2 feet.

(*b*) *Dras.*—Light falls occurred on the 10th, 12th and 23rd, and the estimated accumulations at the close of the month were 4½ feet in the station and 6 feet on the surrounding hills.

(*c*) *Skardu.*—No snow fell.

(*d*) *Kargil.*—Only a few inches of snow fell, but at the end of the month there was still an accumulation of about 10 feet on the neighbouring mountains.

IV.—PUNJAB.

(*a*) *Chamba.*—The table below shows the character of snowfall in this area :—

TABLE 19.

Locality.	Elevation.	Total depth of snowfall during the month.		Number of days on which snow fell.	Reported depth of accumulation existing on 31st March 1915.
Dalhousie range.	ft.	ft.	in.		
Kalatop	7,850	1	9	3	*Nil.*
Pangi range.					
Pangi	...	1	3	4	*Nil.*
Chamba range.					
Ulansa	7,000	0	5	1	On the surrounding higher peaks 2 to 12 inches lay in the shady situations.
Chitrari	6,000	0	3	1	
Darkund	6,500	0	4	1	
Kundi	6,500	0	4	1	
Tisa range.					
Khangu	6,500	0	11	2	*Nil.*
Chatri	6,500	1	0	3	*Nil.*
Bhandal range.					
Bhandal	6,000	0	½	1	
Langera	7,500	2	2	3	

(*b*) *Kilba* (*Simla Hills.*)—Snow fell on seven days down to about 8,000 feet, at which level the total fall amounted to 10 inches. The depths of accumulation were :—

Shatul	Pass	8 feet.
Brua	"	7 "
Rupin	"	7 "
Harang	"	3 "

V.—UNITED PROVINCES.

Almora.—The total fall during the month amounted to about 8 feet in Byans, 6 feet in Malla Darma, 3½ feet in Malla Johar and 3 feet in Malla Danpur and Chaudas. The snow line came down from the perpetual snows to a distance of 12 miles in Malla Darma and 2½ miles in Chaudas.

TABLE 20.

Name of pass or peak.	Depth of accumulation at the end of the month.	
	Reported.	Normal.
	Feet.	Feet.
Nuwe pass	14	32
Lipulekh "	18 or 19	22½
Lampia "	23 or 24	22½
Pindari peak	3	4½
Kaphini "	3	4½
Kuntela "	3	4½
Puwali	3	...
Binkaru pass	12	27½
Bagudyar	¼	...
Milamdhura	¾	9½

VI.—EASTERN HIMALAYAS.

Western section north-east Frontier District.—Heavy snow fell during the month on the Mila Katung La (the pass across the range between Tawang and Tsona). There was also a fall of about 6 or 7 feet on the Sela pass at the end of the month.

SUMMARY.

16. The snowfall of the month was apparently normal or in defect in the mountain zone bordering upper India, and markedly in excess locally in the Assam Himalayas.

HEM RAJ.

Table A.—Abstract of observations taken at 10 hrs. and 16 hrs. at 17 stations in India, etc., in March, 1915.

Table

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

Number of sub-division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure. 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
	III.—Bengal.																					
5	Calcutta	21	30·005	29·875	·130	29·934	+·078	29·902	89·1	69·0	20·1	95·5	63·9	31·6	81·7	86·1	78·2	−1·1	65·8	72·1	71·8	69·9
	VI.—Punjab.																					
11	Lahore	702	29·270	29·184	·086	29·221	+·054	29·902	84·5	57·6	26·9	93·9	46·0	47·9	74·7	82·4	70·3	+1·3	55·1	64·1	66·6	61·9
	IX.—Rajputana.																					
18	Jaipur	1,431	28·537	28·430	·107	28·476	+·023	29·851	87·6	62·4	25·2	98·8	54·0	44·8	79·3	86·2	74·6	−0·3	55·9	63·2	64·1	61·1
	X.—Bombay.																					
25	Bombay	37	29·998	29·882	·116	29·936	+·059	29·913	86·2	73·9	12·3	92·2	70·5	21·7	80·1	82·8	78·4	+0·4	68·4	72·9	74·1	71·8
	XIV.—Mysore.																					
29	Bangalore	3,021	27·055	26·923	·132	26·989	+·057	29·785	90·1	66·7	23·4	96·3	59·8	36·5	80·7	83·5	77·4	+0·7	62·3	66·9	66·7	65·3
	XV.—Madras.																					
31	Pudukkottai	313	29·716	29·548	·068	29·632		29·877	96·3	74·9	21·4	102·7	70·5	32·2	86·8	93·0	85·6			77·1	75·0	
	Madras	22	30·020	29·897	·123	29·959	+·054	29·912	90·3	74·2	16·1	97·4	68·8	28·6	86·2	86·3	80·7	+1·2	73·4	77·7	78·1	76·4
	Hill stations, excluding Kashmir and Baluchistan.																					
	Sanam		23·235	23·177	·058	23·196		23·158	56·1	33·6	22·5	66·5	26·2	40·3	48·6	50·1	45·2			42·0	43·7	
	Kalabagh																					
	Mukteswar	7,592							57·6	42·1	15·5	66·9	34·8	32·1	50·5	53·9	50·1		38·4	43·9	46·5	42·9
	Katmandu	4,388	25·783	25·680	·103	25·728	+·117*	25·682	72·7	47·4	25·3	78·8	41·1	37·7	64·3	68·7	60·4	−0·4*	45·2	55·4	56·9	52·5
	Kodaikanal	7,688	22·939	22·872	·067	22·905		22·840	69·5	51·0	18·5	73·4	46·1	27·3	64·8	62·4	60·3		44·9	54·4	56·6	52·0
	Dodabetta	8,539	22·135	22·077	·058	22·100		22·037	61·0	48·3	12·7	63·9	42·7	21·2	57·9	59·4	54·9		39·3	48·9	51·6	46·6
	Extra India.																					
	Diego Garcia																					
	Seychelles	15	30·005	29·906	·099	29·960	+·055*	29·899	85·8	79·2	6·6	88·3	74·4	13·9	83·5	85·0	81·5	+2·6*	73·7	78·3	78·1	76·7
	Mauritius	181				29·802	+·037	29·927				88·0	70·0	18·0			78·4	+0·9				74·6

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

* Departure from old normal.

A.

at 14 stations in India, etc., in March 1915.

Vapour tension in inches of mercury.					Humidity.					Cloud.				Wind direction.											Wind steadiness.		Wind velocity.		Rainfall.		Station.	Number of sub-division.
														Total number of 10 hrs. and 16 hrs. winds from																		
From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean 10 hrs.	Mean 16 hrs.	Mean of two previous columns.	Departure from normal.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Mean wind direction.	Normal mean wind direction of month.	Average percentage.	Normal percentage.	Mean velocity in miles per diem.	Normal.	Total rainfall for the month.	Heaviest rainfall during the month.		
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
																															III.—Bengal.	
·593	·660	·590	·655	+·012	84	62	49	70	+ 3	3·9	6·4	5·1	+2·9	3	4	6	4	3	8	20	9	5	S 53° W	S 60° W	33	44	76	86	4·19	1·20	Calcutta . .	5
																															VI.—Punjab.	
·410	·463	·446	·450	+·090	85	54	42	62	+ 8	2·6	3·8	3·2	—0·3	17	1	9	2	6	1	7	7	12	N 54° W	N 12° W	16	31	34	51	1·33	1·07	Lahore . .	11
																															IX.—Rajputana.	
·374	·385	·328	·366	+·061	66	40	29	48	+ 9	2·6	4·1	3·3	+0·2	1	3	4	5	10	10	7	10	12	S 48° W	N 46° W	18	30	74	79	1·60	0·80	Jaipur . .	18
																															X.—Bombay.	
·620	·717	·728	·715	—·022	74	70	65	74	— 1	2·5	2·1	2·3	+1·0	0	2	1	10	4	4	4	19	18	N 76° W	N 36° W	35	46	130	191	0·69	0·64	Bombay . .	25
																															XIV.—Mysore.	
·512	·499	·400	·479	+·032	79	49	30	55	+ 5	1·4	2·7	2·1		2	3	7	11	12	9	8	6	4	S 38° E	S 36° E	26	46	141	86	1·93	1·27	Bangalore . .	2
																															XV.—Madras.	
	·802	·764				63	50			2·6	1·9	2·3		8	2	20	11	12	4	5	0	0	N 89° E		48		158		0·48	0·28	Pudukkottai .	31
·809	·834	·850	·855	+·053	95	67	68	81	+ 3	3·0	1·4	2·2	0	0	1	1	20	25	11	3	1	0	S 50° E	S 44° E	74	81	93	109	0·24	0·22	Madras.	
																															Hill stations, excluding Kashmir and Baluchistan.	
	·202	·224				60	63			3·3	5·8	4·5																	6·12	2·64	Sarain.	
																															Kalabagh.	
·196	·222	·242	·218		74	61	59	66		4·2	6·1	5·1		7	0	0	10	2	5	6	31	1	S 68° W		42		144		3·38	0·94	Mukteswar.	
·278	·342	·331	·315	+·014	85	57	48	64	+ 3	4·7	6·1	5·4	+2·1	0	0	0	31	0	0	0	31	0	*	N 82° W	*	47	20	23	2·12	0·72	Katmandu.	
·227	·318	·399	·318		63	53	71	62		2·2	6·7	4·5		0	6	12	18	19	4	1	0	2	S 87° E		61		183		3·47	0·93	Kodaikanal.	
·150	·252	·301	·234		44	53	60	52		5·1	6·5	5·8		6	7	26	8	13	2	1	2	3	N 63° E		55		143		1·28	0·41	Dodabetta.	
																															Extra India.	
																															Diego Garcia.	
·761	·900	871	·871	+·010	76	78	72	79	— 4	5·5	5·7	5·6	—1·1†	8	9	6	4	7	1	0	3	24	N 18° W	N 17° W	40	39	93	86	4·41	1·45	Seychelles.	
			·784	+·030				81	0			1 6	0										S 87° E	S 78° E			183	183	10·19	3·11	Mauritius.	

* Indeterminate.

† Departure from old normal.

Table B.—Abstract of observations taken at 8 hrs. at 215 stations in India, etc., in March, 1915.

(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 2,300 stations.

Division.	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	+·065	91·9	−0·7	68·6	+0·4	80·3	−0·2	23·2	34·8	−0·7	− 7	75	0	·652	−·006	3·9	+1·7	0·54	0·50	+0·04
Assam	+·089	83·1	−0·5	61·5	+0·5	72·3	0	21·7	36·0	0	−11	84	+ 1	·550	+·010	4·2	+0·3	2·93	3·86	−0·93
Bengal	+·087	87·7	−1·8	65·9	−0·8	76·8	−1·3	21·7	35·6	−1·2	−16	79	0	·624	−·026	3·6	+0·7	3·25	1·56	+1·69
Bihar and Orissa	+·076	89·3	−1·9	65·7	+0·4	77·5	−0·7	23·6	39·5	−0·3	−11	69	+ 9	·547	+·052	3·4	+1·6	1·24	0·72	+0·52
United Provinces of Agra and Oudh	+·076	86·2	−2·7	61·0	+0·7	73·6	−1·5	25·2	45·3	−0·7	−17	66	+12	·465	+·101	2·1	+0·2	1·60	0·40	+1·20
Punjab	+·047	83·1	+0·1	57·5	+1·8	70·3	+1·0	25·6	47·2	+0·2	+ 3	69	+ 8	·421	+·066	2·7	−0·6	1·99	0·74	+1·25
North-West Frontier Province	+·013	80·6	+2·6	56·0	+1·8	68·3	+2·2	24·6	49·6	−0·7	− 9	75	+ 7	·430	+·071	3·2	−0·8	2·02	1·92	+ ·10
Sind	+·033	89·3	+0·9	66·0	+2·7	77·7	+1·8	23·3	46·5	−1·5	− 2	69	+15	·558	+·153	2·2	−0·2	0·40	0·19	+0·21
Rajputana	+·032	89·6	−1·1	64·1	+1·9	76·8	+0·4	25·5	46·6	−0·3	+ 5	48	+ 7	·357	+·063	2·1	−0·3	1·52	0·17	+1·35
Bombay	+·045	91·1	−1·3	67·6	+0·5	79·3	−0·4	23·5	40·0	−0·5	− 8	63	+ 6	·554	+·036	2·3	+0·8	0·53	0·10	+0·43
Central India	+·045	88·5	−3·0	62·3	+1·4	75·4	−0·8	26·2	46·2	−0·3	−21	59	+17	·438	+·116	2·6	+0·7	1·01	0·17	+0·84
Central Provinces	+·054	90·8	−4·2	65·8	+0·3	78·3	−2·0	25·1	42·9	+0·4	− 5	54	+13	·427	+·082	2·7	+1·1	2·08	0·44	+1·64
Hyderabad	+·059	93·2	−4·2	70·0	−0·2	81·6	−2·2	23·3	38·3	+0·4	− 3	57	+ 8	·520	+·035	3·0	+1·7	2·54	0·35	+2·19
Mysore	+·056	91·5	−1·2	67·5	+1·4	79·4	+0·1	24·0	35·8	+0·5	−14	63	+ 1	·534	+·003	2·1	+0·3	1·34	0·30	+1·04
Madras	+·059	91·7	−1·3	74·5	+1·0	83·1	−0·1	17·2	29·4	+0·6	− 3	76	+ 3	·785	+·033	2·9	+0·5	1·88	0·49	+1·39

Table

(2) Abstract of observations taken at 8 hrs.

Number of sub-division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches. 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	147	29·855		29·931	29·911	19th	29·786	14th	·125	80·5	91·9		76·8		84·4		15·1	95·6	25th	74·0	11th	21·6
	Mergui	65	29·953	+·059	29·948	30·008	19th	29·875	27th	·133	79·5	88·3	−2·8	74·0	+1·4	81·2	−0·7	14·3	94·1	12th	68·4	14th	25·7
	Tavoy	19	30·004	+·047	29·954	30·054	19th	29·952	22nd	·102	76·9	92·8	−0·3	72·1	+1·5	82·4	+0·6	20·7	96·0	11th	65·8	12th	30·2
	Moulmein	94	29·920	+·058	29·952	29·977	11th	29·862	27th	·115	77·5	95·0	+0·9	72·7	−0·2	83·9	+0·3	22·3	99·0	11th	67·0	9th	32·0
	Rangoon	18	30·003	+·070	29·959	30·065	20th	29·941	22nd	·124	75·0	95·3	−0·8	71·6	+0·4	83·5	−0·2	23·7	98·8	12th	66·2	8th	32·6
	Bassein	27	29·987	+·062	29·951	30·037	8th & 20th	29·927	22nd	·110	77·1	95·4	+1·3	72·5	+1·5	83·9	+1·4	22·9	98·2	12th & 24th.	68·7	2nd	29·5
	Diamond Island	41	29·971	+·056	29·947	30·032	20th	29·924	22nd	·108	80·8	86·4	+1·3	77·1	+1·7	81·7	+1·5	9·3	88·4	5th & 8th	74·0	1st	14·4
	Toungoo	164	29·839	+·068	29·947	29·907	8th	29·765	22nd	·142	76·3	96·5	−0·9	68·6	+0·2	82·6	−0·3	27·9	101·3	26th	56·9	9th	44·4
	Kyaukpyu	18	29·991		29·952	30·034	8th	29·903	24th	·131	76·7	86·2		69·0		77·6		17·2	90·6	21st	63·0	11th	27·6
	Akyab	20	30·005	+·071	29·966	30·104	8th	29·925	22nd	·179	75·3	90·1	+1·5	67·7	−1·0	78·9	+0·3	22·4	94·0	2nd	62·6	11th	31·4
3	Thayetmyo	121	29·873	+·065	29·937	29·948	19th	29·795	14th	·153	77·5	98·3	−1·1	66·8	+0·4	82·5	−0·3	31·5	103·7	26th	57·4	12th	46·3
	Minbu	*165*	29·825‡	+·062	29·935	29·919	8th	29·745	14th	·174	76·0	96·8	−1·7	66·9	−2·0†	81·8	−2·1†	29·9	102·3	15th & 16th	60·0	9th & 12th,	42·3
	Yamethin	657	29·329	+·070	29·944	29·413	8th	29·242	22nd	·171	75·3	96·9	−1·2	68·5	0	82·7	−0·6	28·4	100·1	26th	60·0	8th	40·1
	Mandalay	250	29·755	+·083	29·956	29·874	8th	29·663	14th	·211	76·3	96·8	−0·9	67·8	−0·5	82·3	−0·7	29·0	103·5	25th	60·3	8th	43.2
	Monywa	*350*	29·720	+·065	29·956	29·848	8th	29·625	14th	·223	72·1	94·8	−0·9	67·8	+0·8	81·3	−0·1	27·0	100·4	15th	60·8	8th	39·6
	Lashio	*2,820*	27·186	+·047	27·132	27·283	8th	27·109	22nd	·174	61·4	83·2	−2·8	55·3	−0·4	69·2	−1·6	27·9	87·7	25th	47·2	9th	40·5
	Bhamo	*361*	29·644	+·093	29·971	29·770	8th	29·550	14th	·220	65·7	86·2	−1·9	59·8	+0·2	73·0	−0·9	26·4	92·2	21st	51·2	10th	41·0
	Myitkyina	458	29·537	+·062	29·970	29·658	8th & 9th	29·429	14th	·229	65·0	82·8	−2·1	60·4‡	−0·5‡	71·7‡	−1·3	22·4	97·6	18th	54·0	9th	43·6
	II.—Assam.																						
4	Dibrugarh	353	29·665	+·070	29·994	29·801	8th & 9th	29·530	23rd	·271	64·6	78·1	+0·4	61·6	+1·4	69·9	+0·9	16·5	86·8	23rd	56·5	9th	30·3
	Sibsagar	333	29·714	+·094	30·019	29·848	8th	29·585	23rd	·263	65·0	76·3	+0·5	61·3	+1·6	70·3	+1·1	18·0	86·6	23rd	54·0	10th	32·6
	Tezpur	252	29·780	+·095	30·000	29·914	8th	29·642	23rd	·272	66·7	82·1	−0·5	62·2	+0·6	72·2	+0·1	19·9	90·6	22nd	56·8	8th	33·8
	Gauhati	196	29·840	+·070	29·998	29·972	9th	29·698	23rd	·274	68·3	83·8	−1·7	60·3	+1·3	72·1	−0·2	23·5	93·5	22nd	55·1	17th	38·4
	Dhubri	115	29·906	+·102	29·979	30·029	9th	29·753	23rd	·276	69·3	84·0	−2·1	63·4	+0·7	73·7	−0·7	20·6	92·2	22nd	58·8	7th	33·4
	Silchar	103	29·940	+·084	29·999	30·048	8th	29·830	13th	·218	68·4	85·8	−0·3	62·2	−0·9	74·0	−0·6	23·6	94·7	22nd	57·9	1st	36·8
	Srimangal	66	29·948*		29·966*	30·062	8th	29·854	28th	·208	65·1	88·9	+0·3	59·4	−1·1	74·2	−0·4	29·5	96·9	21st	50·4	9th	46·5
	III.—Bengal.																						
5	Cox's Bazar	36	29·930		29·962	30·092	8th	29·904	22nd	·188	71·1	87·1		66·2		76·6		20·9	91·5	11th	61·5	7th	30·0
	Chittagong	87	29·943	+·081	29·977	30·052	8th	29·858	31st	·194	72·1	87·5	+0·7	65·7	−1·7	76·6	−0·5	21·8	94·5	21st	58·9	10th	35·6
	Noakhali	43	29·988	+·090	29·979	30·097	8th	29·904	31st	·193	72·9	87·1	+0·7	65·8	−1·5	76·5	−0·4	21·3	94·8	22nd	59·3	10th	35·5
	Barisal	13	30·003	+·080	29·961	30·110	8th	29·909	23rd	·201	75·4†	88·6	−0·6	67·0	−1·8	77·8	−1·2	21·6	95·1	21st	61·2	10th	33·9
	Narayanganj	26	29·988	+·082	29·963	30·092	8th	29·882	23rd	·210	72·8	87·2	−2·3	66·3	−1·9	76·8	−2·1	20·9	94·9	20th	61·8	10th	33·1
	Mymensingh	62	29·957	+·091	29·973	30·069	8th	29·855	23rd	·214	69·5	86·3	−0·9	64·8	+0·4	75·6	−0·3	21·5	94·1	22nd	60·0	7th	34·1
	Bogra	75	29·943	+·102	29·971	30·057	9th	29·801	23rd	·256	69·6	87·9	−2·3	64·0	+0·8	76·0	−0·7	23·9	96·0	24th	57·2	9th	38·8
	Dinajpur	123	29·871	+·088	29·952	29·984	9th	29·703	23rd	·281	69·1	87·2	−1·8	61·8	+1·3	74·5	−0·3	25·4	95·8	24th	55·0	8th & 17th	40·8
	Jalpaiguri	283	29·725	+·095	29·977	29·863	9th	29·576	23rd	·287	66·4	83·2	−1·4	59·6	−0·1	71·4	−0·7	23·6	90·7	23rd	52·4	17th	38·3
	Saugor Island	10	29·999	+·092	29·954	30·117	8th	29·895	23rd	·222	77·7	85·7	−1·3	72·2	−2·4	78·9	−1·9	13·5	91·2	22nd	66·0	26th	25·2
	Midnapore	149	29·849	+·073	29·949	29·874	8th	29·712	23rd	·262	76·5	92·2	−2·6	69·3	0	80·7	−1·3	22·9	102·4	24th	62·3	11th	40·1
	Calcutta	21	29·988	+·080	29·954	30·110	8th	29·860	23rd	·250	73·3	89·2	−1·7	68·9	−0·4	79·1	−1·1	20·3	95·5	24th	63·9	9th	31·6

* Mean of 30 days.

‡ Mean of 29 days.

† Mean of 24 days.

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

B.

at 215 stations in India, etc., in March, 1915.

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 December, 1914 to 31st March, 1915.	Normal rainfall for period, 1st December to 31st March.	Departure from normal of period, 1st Dec., 1914 to 31st March, 1915.	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.
5	1	14	10	1	0	0	0	0	N 64° E		5·5			76		77		·857		5·3		1			0·63			6·49			0·54	Victoria Point.
										N 27° W		1·6				83†	0	·828†	—·009	2·2	—0·7	6	4·5	+1·5	4·95	3·05	+ 1·90	8·52	6·56	+ 1·96	1·69	Mergui.
5	9	9	1	2	1	0	0	4	N 21° E	N 34° W	1·5	1·2	+0·3	56	+38	87	+ 1	·797	+·022	2·5	+1·4	4	2·3	+1·8	1·64	1·61	+ 0·03	4·37	2·56	+ 1·81	0·61	Tavoy.
5	0	5	18	2	1	0	0	0	N 88° E	S 58° E	3·1	2·4	+0·7	76	+11	79	— 1	·746	—·033	3·8	+1·7	0	0·6	—0·6	0·01	0·43	— 0·42	1·77	0·94	+ 0·83	0·01	Moulmein.
4	5	2	1	1	7	5	1	5	S 75° W	S 64° W	4·0	3·3	+0·7	17	—51	85	0	·745	+·005	5·6	+3·2	1	0·6	+0·4	0·40	0·37	+ 0·03	4·70	0·89	+ 3·81	0·40	Rangoon.
22	0	1	0	0	0	4	3	1	S 76° W	N 55° W	3·2	4·1	—0·9	20	—43	85	0	·795	+·015	4·5	+2·7	0	0·2	—0·2	0	0·19	— 0·19	1·98	0·94	+ 1·04	0	Bassein.
4	9	0	1	0	0	0	5	12	N 35° W	N 30° W	3·6	6·8	—3·2	69	— 4	80	+ 3	·821	+·050	4·8	+2·2	0	0·3	—0·3	0	0·23	— 0·23	0·83	1·36	—0·53	0	Diamond Island.
12	3	3	1	6	6	0	0	0	S 55° E	S 51° E	1·7	2·3	—0·6	27	—16	68	— 6	·625	—·052	4·7	+2·5	0	0·5	—0·5	0	0·36	— 0·36	3·74	0·95	+ 2·79	0	Toungoo.
4	2	5	9	2	0	0	4	5	N 40° E		3·9			33		89		·817		4·0		0			0·05			0·76			0·05	Kyaukpyu.
4	11	7	3	1	1	0	0	4	N 18° E	N 32° E	3·7	2·7	+1·0	59	—16	74	—10	·653	—·058	3·9	+1·5	0	0·8	—0·8	0·04	0·58	— 0·54	2·60	1·50	+ 1·10	0·03	Akyab.
19	2	2	0	0	6	2	0	0	S	S 68° W	3·0*	3·5	—0·5	13	—26	58	— 2	·543	—·016	1·8	+0·7	0	0·2	—0·2	0	0·18	— 0·18	0·55	0·53	+ 0·02	0	Thayetmyo.
4	1	0	0	0	0	0	0	26	N 43° W	S 63° E	3·1	5·4	—2·3	86	+63	57	0	·513	—·007	2·3	+1·3	0	0·5	—0·5	0	0·44	— 0·44	1·31	1·03	+ 0·28	0	Minbu.
22	0	0	0	4	3	0	0	2	S 18° E	S 38° E	1·4	3·4	—2·0	13	—38	61	— 1	·538	—·019	1·1	+0·2	0	0·6	—0·6	0	0·49	— 0·49	0·75	1·25	— 0·50	0	Yamethin.
17	1	0	1	4	5	1	1	1	S 12° E	S 8° W	2·4	3·1	—0·7	23	— 3	55	+ 1	·494	—·007	4·8	+3·4	1	0·5	+0·5	0·20	0·20	0	1·78	0·64	+ 1·14	0·12	Mandalay.
6	8	3	0	0	0	0	2	12	N 24° W		1·9			69		64	+ 5	·498	+·002	4·8	+3·1	3	0·9	+2·1	1·20	0·40	+ 0·80	3·19	0·80	+ 2·39	0·44	Monywa.
19	3	8	1	0	0	0	0	0	N 38° E		2·3			37		76	+ 6	·409	—·002	4·0	+0·9	1	1·3	—0·3	0·47	0·62	— 0·15	4·55	1·90	+ 2·65	0·27	Lashio.
18	5	6	0	0	0	0	1	1	N 14° E	N 2° W	1·5	2·4	—0·9	33	+ 4	86	+ 5	·542	+·019	4·9	+2·0	6	1·7	+4·3	1·45	0·67	+ 0·78	4·79	2·30	+ 2·49	0·38	Bhamo.
28	1	1	1	0	0	0	0	0	N 45° E		1·1			10		81	+ 2	·501	—·014	5·5	+1·8	4	2·9	+1·1	1·05	0·85	+ 0·20	3·83	2·50	+ 1·33	0·37	Myitkyina.
																																II.—Assam.
26	1	1	3	0	0	0	0	0	N 64° E		0·6			13		90	+ 4	·547	+·039	5·6	0	10	8·2	+1·8	6·12	4·33	+ 1·79	9·07	8·39	+ 0·68	2·20	Dibrugarh.
14	4	5	2	0	0	3	0	3	N 10° E	N 51° E	2·4	2·2	+0·2	23	—27	89	— 3	·550	+·003	6·1	+0·1	7	9·5	—2·5	2·34	4·91	— 2·57	5·04	8·59	— 3·55	0·65	Sibsagar.
4	0	12	13	1	0	0	0	1	N 69° E		2·8			72		83	+ 2	·543	+·040	4·6	+1·5	4	5·4	—1·4	1·92	1·95	— 0·03	3·74	3·53	+ 0·21	0·85	Tezpur.
29	0	0	0	1	0	1	0	0	S		1·4			5		82	+ 3	·570	+·068	4·8	+0·1	5	4·5	+0·5	3·50	2·38	+ 1·12	5·49	3·77	+ 1·72	2·21	Gauhati.
2	1	8	8	2	2	4	2	2	N 78° E	N 72° E	4·3	4·6	+0·3	30	—17	76	+ 1	·544	+·024	3·8	+1·4	3	2·7	+0·3	1·48	1·99	— 0·51	3·29	3·07	+ 0·22	0·88	Dhubri.
20	0	4	5	1	0	0	0	1	N 70° E	S 83° E	1·6	2·2	—0·6	27	+11	82	+ 1	·563	—·016	2·9	—1·2	6	9·6	—3·6	2·06	7·84	— 5·78	6·02	11·14	— 5·12	0·72	Silchar.
																84	+ 1	·527	—·030	1·4		3	4·2	—1·2	2·86	2·73	+ 0·13	5·96	5·10	+ 0·86	1·30	Srimangal.
																																III.—Bengal.
14	2	7	2	5	1	0	0	0	N 77° E		2·8			33		85		·653		3·5		2			0·99			7·07			0·81	Cox's Bazar.
24	2	2	3	0	0	0	0	0	N 52° E	N 87° E	2·1	4·0	—1·9	17	—37	77	— 5	·605	—·076	4·1	+0·9	1	2·9	—1·9	1·27	2·68	— 1·41	5·52	4·79	+ 0·73	1·13	Chittagong.
9	3	6	4	5	0	1	2	1	N 63° E		2·2			29		80	— 4	·645	—·095	4·3	+1·2	6	3·2	+2·8	2·10	2·80	— 0·70	3·50	4·59	— 1·09	0·80	Noakhali.
14	5	3	1	1	3	2	0	2	N 16° E	S 18° W	1·2	2·7	—1·5	10	— 3	76‡	— 2	·666‡	—·075	4·7	+1·3	8	3·3	+4·7	5·91	2·08	+ 3·83	7·55	4·12	+ 3·43	3·19	Barisal.
20	1	0	1	3	2	1	1	1	S 10° E	S 13° W	1·6	3·7	—2·1	13	—26	75	— 8	·595	—·092	4·8	+0·1	6	3·4	+2·6	3·35	2·57	+ 0·78	6·40	4·40	+ 2·00	1·65	Narayanganj.
20	0	1	4	4	1	1	0	0	S 61° E	S 76° E	1·5	2·3	—0·8	27	—34	79	0	·535	—·036	4·7	—0·1	5	3·6	+1·4	3·42	2·28	+ 1·14	4·59	3·77	+ 0·82	1·47	Mymensingh.
11	1	3	5	4	2	2	3	0	S 60° E	S 53° E	1·8	2·6	—0·8	20	— 4	79	+ 6	·569	+·025	4·5	+2·6	3	2·2	+0·8	1·79	1·34	+ 0·45	2·72	2·72	0	1·01	Bogra.
4	0	5	6	2	3	5	5	1	S 26° E	S 14° W	2·7	3·6	—0·9	17	+14	76	+ 9	·540	+·067	2·9	+0·7	3	1·6	+1·4	0·68	0·81	— 0·13	2·53	1·76	+ 0·77	0·28	Dinajpur.
31	0	0	0	0	0	0	0	0	Calm.	N 75° E	1·1			(a)		82	+ 6	·526	+·021	1·9	+0·1	5	2·1	+2·6	2·85	1·25	+ 1·60	5·23	2·28	+ 2·95	0·81	Jalpaiguri.
0	8	3	1	2	7	6	2	2	S 71° W	S 49° W	6·9	9·6	—2·7	10	—29	83	0	·785	—·019	4·3	+0·4	4	2·0	+2·0	3·91	1·44	+ 2·47	4·52	3·25	+ 1·27	1·68	Saugor Island.
2	3	5	1	3	5	3	0	3	S 63° E		2·6			6		85	+18?	·769	+·178?	2·3	+0·4	4	2·6	+1·4	1·55	1·33	+ 0·22	4·60	3·28	+ 1·32	0·60	Midnapore.
4	1	3	3	2	6	4	3	5	S 59° W	S 42° W	3·0	3·6	—0·6	17	—20	88	+ 2	·676	—·024	4·0	+1·1	8	2·2	+5·8	4·09	1·25	+ 2·84	6·09	3·02	+ 3·07	1·20	Calcutta.

* Mean of 29 days. † Mean of 18 days. ‡ Mean of 24 days. (a) Indeterminate.

Table

(2) Abstract of observations taken at 8 hrs.

Number of sub-division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches. 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
	III.—Bengal—*concld.*																						
	Jessore	30	29·989	+·096	29·966	30·100	8th	29·863	23rd	·237	73·7	88·2	−3·4	65·5	−2·3	76·9	−2·9	22·7	95·4	14th	57·5	9th	37·9
	Burdwan	99	29·901	+·080	29·950	30·031	8th	29·751	23rd	·280	71·5	88·9	−4·5	66·0	−2·1	77·4	−3·2	22·9	99·6	24th	59·8	9th	39·8
	Berhampore	67	29·943	+·093	29·961	30·060	8th	29·791	23rd	·269	71·5	88·8	−3·2	66·0	+0·4	77·4	−1·4	22·8	98·4	24th	59·8	9th	38·6
	IV.—Bihar and Orissa.																						
6	Balasore	50	29·957	+·078	29·953	30·077	8th	29·836	22nd	·241	75·2	91·4*	−0·9*	69·2	−0·2	80·3*	−0·5	22·2	99·9	25th	61·2	9th	38·7
	Hukitala (False Point)	29	29·983	+·073	29·953	30·105	8th	29·869	30th	·236													
	Cuttack	80	29·933	+·082	29·955	30·058	8th	29·819	23rd	·239	76·2	93·7	−3·1†	71·8	−0·7	82·7	−1·9†	21·9	100·5	25th	57·2	9th, 11th & 30th.	33·3
	Puri	24	29·991	+·076	29·956	30·112	8th	29·880	29th	·232	79·0	87·0	+0·7	75·7	+0·5	81·4	+0·6	11·3	89·7	22nd	70·4	1st & 3rd	19·3
	Angul	455	29·543	+·058	29·952	29·666	8th	29·421	29th	·245	75·9	94·1	−0·7	68·3	+0·8	81·2	+0·1	25·8	102·1	26th	60·5	7th	41·6
	Sambalpur	486	29·511	+·064	29·954	29·651	8th	29·366	29th	·285	75·7	93·5	−2·7	68·2	+0·9	80·8	−0·9	25·3	103·0	30th	60·1	6th	42·9
7	Chaibasa	*733*	29·232	+·054	29·938	29·372	8th	29·082	29th	·290	69·8	91·5	−1·8	65·9	+1·7	78·7	−0·1	25·6	100·5	25th	57·8	9th	42·7
	Ranchi	*2,128*	27·854	+·071	29·946	27·967	8th	27·731	23rd	·236	68·3	83·6	−3·8	62·6	−0·9	72·1	−2·3	21·0	93·3	25th	57·0	6th	36·3
	Purulia	*816*	29·139†		29·927†	29·241	9th	29·018	28th	·223	71·5	91·1	−1·9	66·1	−0·1	78·6	−1·0	25·0	101·0	24th	60·8	8th	40·2
	Daltonganj	*730*	29·242	+·054	29·950	29·370	8th	29·070	28th	·300	67·1	89·5	−0·4	61·6	+2·3	75·6	+0·9	27·9	101·1	24th	53·1	8th	48·0
8	Purnea	124	29·878	+·094	29·960	29·998	9th	29·726	23rd	·272	69·2	89·0	−0·6	61·3	+1·1	75·1	+0·3	27·7	97·5	24th	52·8	8th	44·7
	Monghyr	155	29·849		29·962	29·949	9th	29·682	23rd	·267	69·3*	86·6		63·6*		75·1*		23·0	95·5	24th	58·9	1st	36·6
	Darbhanga	165	29·827	+·091	29·952	29·942	9th	29·674	23rd	·268	68·7	87·9‡	−2·0‡	60·5	−1·7	76·2‡	−1·9	27·4	93·5	24th	54·2	7th	39·3
	Pusa	188	29·799		29·949	29·910	8th	29·536	23rd	·264	69·0	87·0		59·0		73·0		28·0	96·0	24th	51·6	8th	44·4
	Patna	183	29·810	+·088	29·953	29·912	9th	29·645	23rd	·267	71·8	85·5	−4·7	64·5	+0·6	75·0	−2·1	21·0	95·8	24th	57·2	7th	38·6
	Buxar	239	29·747	+·083	29·950	29·859	10th	29·555	28th	·304	69·6	87·4	−2·8	63·5	+0·1	75·4	−1·3	23·9	100·0	24th	56·9	6th	43·1
	Gaya	372	29·628	+·088	29·960	29·748	8th	29·436	28th	·312	75·0	89·6	−3·0	66·0	+0·2	77·8	−1·4	23·6	101·3	29th	60·4	6th	40·9
	Naya Dumka	489	29·497	+·082	29·951	29·619	8th	29·346	23rd	·273	72·1	88·7	−2·5	63·7	−1·2	76·2	−1·9	25·0	99·4	24th	58·0	8th & 9th	41·4
	V.—United Provinces of Agra and Oudh.																						
9	Gorakhpur	257	29·725	+·094	29·948	29·866	10th	29·548	23rd	·318	69·3	86·8	−3·2	61·5	−0·5	74·1	−1·9	25·3	94·1	22nd, 23rd & 29th.	54·1	7th	40·0
	Benares	267	29·733	+·089	29·962	29·852	10th	29·520	28th	·332	72·2	86·7	−5·4	63·0	+1·6	74·9	−1·9	23·7	101·1	24th	55·0	8th	46·1
	Allahabad	309	29·677	+·069	29·951	29·799	10th	29·451	28th	·348	71·2	86·6	−5·8	62·5	+0·7	74·6	−2·5	24·1	100·1	29th	56·5	6th & 7th	43·6
	Cawnpore	416	29·572	+·084	29·959	29·689	8th	29·349	28th	·340	68·4	87·0	−2·7	61·6	+0·6	74·3	−1·1	25·4	98·8	29th	53·9	2nd & 5th	44·9
	Lucknow	368	29·618	+·082	29·956	29·744	11th	29·417	28th	·327	70·4	87·4	−3·6	61·6	+1·4	74·5	−1·1	25·8	98·0	28th & 29th	53·0	4th	45·0
	Bahraich	407	29·564	+·083	29·946	29·709	10th	29·390	28th	·319	67·2	85·4	−3·0	60·1	+1·2	72·8	−0·9	25·3	93·4	28th & 29th	49·7	2nd	43·7
10	Jhansi	824	29·162	+·047	29·961	29·281	8th	28·945	28th	·336	72·7	89·8	−3·0	63·6	−2·7†	76·7	−2·9†	26·2	104·1	28th	53·8	4th	50·3
	Agra	556	29·429	+·064	29·959	29·545	8th	29·166	23rd	·379	72·3	86·9	−3·2	62·6	0	74·7	−1·6	24·3	98·4	29th	52·8	2nd	45·6
	Mainpuri	516	29·451	+·059	29·943	29·559	8th	29·208	23rd	·351	67·9	86·8	−2·6	60·0	+1·6	73·4	−0·5	26·8	98·6	28th	50·4	2nd	48·2
	Bareilly	568	29·400	+·084	29·951	29·530	11th	29·139	23rd	·391	66·0	83·8	−3·7	59·0	+0·5	71·4	−1·6	24·8	94·3	28th	48·2	2nd	46·1
	Roorkee	899	29·068	+·045	29·970	29·221	12th	28·836	23rd	·385	64·1	81·1	−3·6	55·7	+0·1	68·4	−1·7	25·4	89·0	24th	44·2	1st	44·8
	VI.—Punjab.																						
11	Delhi	718	29·239	+·052	29·949	29·357	12th	28·977	23rd	·380	65·4	83·4§	−3·0§	61·2	−0·7	72·8§	−1·9	22·2	92·0	30th	53·8	5th	38·2
	Hissar	725	29·237	+·054	29·953	29·349	19th	29·008	23rd	·341	66·9	86·6	−0·7	58·5	+1·6	72·6	+0·5	28·1	99·5	23rd	47·0	2nd	52·5

* Mean of 30 days.
† „ „ 12 „
‡ Mean of 7 days.
§ „ „ 27 „

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

B—*continued.*

at 215 stations in India, etc., in March, 1915—*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. 1914 to 31st March, 1915.	Normal rainfall for period, 1st December to 31st March.	Departure from normal of period, 1st Dec. 1914 to 31st March, 1915.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																III.—Bengal—*concld.*
21	0	2	0	3	2	1	0	2	S 34° E	S 32° W	2·4	2·1	+0·3	7	−22	74	− 6	·605	−·083	2·8	−0·7	7	3·0	+ 4·0	5·28	1·95	+ 3·31	7·53	3·94	+ 3·59	1·86	Jessore.
13	3	0	3	3	2	1	1	5	N 4° W	S 58° W	1·3	2·3	−1·0	55	+18	77	+10	·594	+·037	4·8	+1·8	7	2·3	+ 4·7	5·85	1·45	+ 4·40	7·24	3·16	+ 4·08	1·78	Burdwan.
17	0	2	1	3	5	2	1	0	S 17° E	S 42° W	1·2	2·4	−1·2	23	−20	74	+ 4	·572	+·017	3·2	+0·5	6	1·8	+ 4·2	2·62	1·06	+ 1·56	3·54	2·53	+ 1·01	1·46	Berhampore.
																																IV.—Bihar and Orissa.
10	5	1	0	0	3	8	0	4	S 89° W	S 61° W	3·3‡	4·2	−0·9	25	−11	77	0	·681	−·005	3·8	+1·9	5	3·4	+ 1·6	1·56	1·97	− 0·41	3·56	4·14	− 0·58	0·86	Balasore.
3	3	4	1	1	3	14	1	1	S 45° W	S 70° W	6·5	7·9	−1·4	33	−21					4·6	+0·4	5	1·5	+ 3·5	1·03	1·01	+ 0·02	1·42	3·30	− 1·88	0·35	Hukitala (False Point).
19	0	1	3	1	0	4	3	0	S 27° W	S 50° W	2·0	2·4	−0·4	10	−19	80	+ 2	·729	+·011	4·2	+1·2	2	1·5	+ 0·5	1·65	1·03	+ 0·62	3·13	2·23	+ 0·90	0·80	Cuttack.
6	3	3	0	1	7	6	3	3	S 45° W		11·0			26		82	− 2	·814	−·021	3·2	+0·5	1	1·1	− 0·1	0·19	0·63	− 0·44	1·74	2·18	− 0·44	0·12	Puri.
5	3	2	0	5	1	1	1	13	N 31° W		4·0			32		68	+ 1	·608	+·042	4·2	+1·2	3	3·0	0	0·75	1·34	− 0·59	3·67	3·54	+ 0·13	0·37	Angul.
0	6	13	5	2	1	2	0	2	N 45° E	N 46° E	2·9	2·3	+0·6	59	+13	63	+ 8	·555	+·070	4·4	+2·5	1	2·0	− 1·0	0·29	0·96	− 0·67	1·13	2·36	− 1·23	0·12	Sambalpur.
19	0	2	0	0	1	8	1	0	S 45° W	S 69° W	2·3	1·2	+1·1	27	−24	71	+ 8	·519	+·052	4·3	+2·5	3	2·0	+ 1·0	1·54	0·95	+ 0·59	2·67	3·56	− 0·89	0·77	Chaibasa.
5	2	2	2	1	1	4	5	9	N 62° W	N 86° W	3·3	4·7	−1·4	37	− 6	60	+15	·409	+·070	3·5	+1·7	5	2·7	+ 2·3	2·25	1·20	+ 0·95	4·90	3·85	+ 1·05	0·84	Ranchi.
10	2	3	1	0	0	0	2	13	N 32° W		2·2			48		66	+11	·494	+·057	2·2	+0·5	5	2·0	+ 3·0	2·48	0·96	+ 1·52	3·35	3·62	− 0·27	1·26	Purulia.
16	2	0	3	7	0	2	1	0	S 51° E		2·7			23		74	+16	·492	+·094	3·9	+2·4	3	1·5	+ 1·5	0·64	0·58	+ 0·06	4·00	2·93	+ 1·07	0·25	Daltonganj.
2	3	3	10	1	1	8	3	0	S 62° E	N 45° E	3·3	2·9	+0·4	13	+ 9	76	+ 8	·525	+·043	3·3	+2·0	3	1·1	+ 1·9	0·69	0·54	+ 0·15	2·42	1·69	+ 0·73	0·26	Purnea.
23	1	3	2	0	0	1	1	0	N 45° E		3·2*			10		43†		·291†		0·6		1			0·28			3·07§			0·34	Monghyr.
17	0	1	8	0	0	0	5	0	N 79° E	S 82° W	2·6	3·3	−0·7	13	−11	74	+11	·508	+·060	4·4	+3·2	2	1·2	+ 0·8	1·43	0·48	+ 0·95	3·37	1·58	+ 1·79	1·12	Darbhanga.
4	0	4	7	3	1	4	6	2	S 45° E		2·6			10		74		·522		2·9		2			1·31			3·20			0·87	Pusa.
14	0	0	6	2	2	2	5	0	S 12° E	S 63° E	3·2	2·8	+0·4	17	−12	64	+12	·497	+·084	3·9	+2·2	1	1·1	− 0·1	0·22	0·46	− 0·24	2·26	1·87	+ 0·52	0·12	Patna.
6	1	1	4	3	4	8	4	0	S 17° W		3·5			32		66	+17	·469	+·094	4·4	+2·5	4	0·9	+ 3·1	0·80	0·33	+ 0·47	3·58	1·98	+ 1·60	0·35	Buxar.
25	0	0	1	3	0	2	0	0	S 27° E	S 37° W	2·7	3·1	−0·4	13	−27	52	− 3?	·447	+·001?	1·7	−0·4	0	1·2	− 1·2	0·10	0·46	− 0·36	3·65	2·15	+ 1·50	0·06	Gaya.
18	0	0	1	4	1	0	0	7	N 45° W		2·2			3		63	+13	·489	+·076	2·4	+1·0	4	1·8	+ 2·2	2·45	0·93	+ 1·47	3·28	2·39	+ 0·89	1·04	Naya Dumka.
																																V.—United Provinces of Agra and Oudh.
4	2	4	7	0	0	3	10	1	N 42° W	N 72° W	2·3	2·3	0	13	−23	65	+ 8	·458	+·045	1·7	0	1	0·7	+ 0·3	0·12	0·36	+ 0·06	2·33	1·80	+ 0·53	0·31	Gorakhpur.
5	2	0	2	8	5	7	2	0	S 3° E	S 54° W	2·1	3·4	−1·3	43	− 4	67	+11	·526	+·107	3·0	+1·1	3	0·7	+ 2·3	0·78	0·28	+ 0·50	4·26	1·95	+ 2·31	0·39	Benares.
13	0	4	3	2	3	1	3	2	S 67° E	S 85° W	2·0	3·7	−1·7	7	−32	62	+15	·461	+·097	3·5	+1·4	3	0·6	+ 2·4	1·63	0·22	+ 1·47	4·32	1·81	+ 2·51	0·64	Allahabad.
8	1	3	3	2	5	4	2	3	S 6° W	S 89° W	2·0	3·1	−1·1	13	−23	68	+14	·469	+·118	1·1	−0·1	3	0·6	+ 2·4	0·83	0·23	+ 0·69	3·05	1·69	+ 1·36	0·33	Cawnpore.
48	1	2	4	0	2	2	0	2	N 81° E	N 80° W	1·4	2·8	−1·4	8	−35	65	+14	·481	+·114	2·4	+0·4	3	0·8	+ 2·2	0·98	0·29	+ 0·69	4·27	2·05	+ 2·22	0·60	Lucknow.
11	4	1	7	1	0	2	3	2	N 33° E	N 51° W	1·6	2·6	−1·0	17	−11	66	+ 4	·433	−·001?	1·5	0	4	0·6	+ 3·4	1·22	0·36	+ 0·86	4·08	2·56	+ 1·52	0·53	Bahraich.
6	0	3	3	4	0	12	3	0	S 21° W	S 84° W	3·8	2·2	+1·6	30	− 2	52	+ 9	·399	+·050	2·5	+1·4	4	0·8	+ 3·2	1·36	0·27	+ 1·09	0·43	1·67	+ 1·76	0·63	Jhansi.
13	1	0	2	4	4	4	1	2	S 3° W	N 66° W	3·0	3·5	−0·5	23	−20	63	+15	·498	+·182	2·0	−0·2	5	0·9	+ 4·1	3·84	0·26	+ 3·58	8·13	1·50	+ 6·63	1·36	Agra.
2	3	0	6	4	4	2	7	3	S 29° W	N 63° W	2·0	1·8	+0·2	13	−19	69	+17	·474	+·125	1·5	−0·8	4	0·4	+ 3·6	2·38	0·12	+ 2·26	4·51	1·96	+ 2·55	1·26	Mainpuri.
18	0	2	5	3	0	2	1	0	S 71° E	N 43° W	1·3	2·7	−1·4	23	−13	74	+14	·478	+·099	2·5	+0·2	4	1·2	+ 2·8	2·13	0·62	+ 1·51	8·93	2·82	+ 6·17	0·70	Bareilly.
21	0	1	1	4	0	0	0	1	S 69° E	N 41° W	1·2	2·2	−1·0	13	− 2	73	+11	·436	+·068	1·6	−0·7	3	1·4	+ 1·6	2·18	0·72	+ 1·46	9·08	4·43	+ 4·65	1·19	Roorkee.
																																VI.—Punjab.
5	1	1	1	8	0	1	12	2	S 65° W	N 87° W	3·1	2·8	+0·3	23	−27	71	+20	·450	+·122	1·5	−1·2	4	1·3	+ 2·7	3·08	0·47	+ 2·61	10·41	2·68	+ 7·73	2·45	Delhi.
6	1	0	2	7	7	6	1	1	S 4° E	N 24° W	3·9			46	+42	64	+ 6	·426	+·069	2·6	−0·1	3	0·7	+ 2·3	1·42	0·35	+ 1·07	3·89	1·67	− 2·22	1·10	Hissar.

* Mean of 16 days. † Mean of 12 days. ‡ " 24 " § Total rainfall since 1st January 1915.

Table

(2) Abstract of observations taken at 8 hrs.

Number of sub-division.	Station.	Elevation of bar-cistern above sea-level in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	VI.—Punjab—*concld.*																						
	Patiala	*818*	29·127	+·048	29·946	29·263	12th	28·921	23rd	·342	64·2	81·9	−0·8	58·5	+1·8	70·2	+0·5	23·4	91·4	28th	47·8	2nd & 3rd	43·6
	Ambala	892	29·060	+·066	29·959	29·193	12th	28·840	23rd	·353	62·6	83·7	+0·6?	56·2	+0·2	69·9	+0·4?	27·5	91·7	26th & 28th.	44·3	3rd	47·4
	Ludhiana	812	29·144	+·063	29·960	29·270	12th	28·940	23rd	·330	63·4	82·2	−1·0	58·7	+1·7	70·5	+0·3	23·5	90·9	27th	47·8	1st	43·1
	Lahore	702	29·249	+·047	29·951	29·353	1st	29·054	23rd	·299	64·6	83·9	0	57·6	+2·1	70·8	+1·5	26·3	93·7	26th	46·0	1st	47·7
	Sialkot	830	29·113	+·043	29·954	29·223	12th	28·920	23rd	·303	61·4	79·8	−1·2	54·5	−0·7?	67·2	−0·9?	25·3	90·2	29th	43·5	2nd	46·7
	Rawalpindi	1,674	28·282	+·042	29·992	28·402	8th	28·110	23rd	·292	59·1	76·3	+1·0	50·7	+0·2	63·5	+0·6	25·6	87·5	25th	40·2	3rd	47·3
12	Khushab	612	29·354	+·044	29·961	29·507	9th	29·174	23rd	·333	67·0	82·9	+2·4	57·7	+1·2	70·3	+1·8	25·2	92·9	26th	44·4	2nd	48·5
	Lyallpur	605	29·339		29·940	29·454	1st	29·157	23rd	·297	63·9	83·0		54·6		68·8		28·4	93·8	27th	42·0	2nd	51·8
	Montgomery	558	29·386	+·030	29·936	29·514	1st	29·169	22nd	·345	66·0	85·2	+0·8	59·4	+3·7	72·3	+2·3	25·8	97·0	26th	47·2	2nd	49·8
	Multan	426	29·534	+·030	29·941	29·662	1st & 19th.	29·317	22nd	·345	68·1	88·1	+2·3	62·2	+4·0	75·2	+3·1	25·9	101·5	27th	51·3	1st	50·2
	VII.—North-West Frontier Province.																						
14	Peshawar	1,113	28·859	+·016	30·001	29·026	8th	28·621	23rd	·405	59·5	77·6	+2·6	53·5	+1·8	65·6	+2·2	24·1	89·2	25th	40·9	1st	48·3
	Dera Ismail Khan	590	29·369	+·009	29·955	29·514	9th	29·184	22nd	·330	65·0	83·6	+1·4?	58·5	+3·4	71·1	+2·4?	25·1	95·5	25th	44·6	1st	50·9
	VIII.—Sind.																						
16	Jacobabad	186	29·777	+·034	29·927	29·904	19th	29·561	23rd	·343	72·6	93·2	+2·5	64·3	+4·6	78·7	+3·5	28·9	108·7	23rd	50·8	4th	55·9
	Hyderabad	96	29·865	+·017?	29·915	29·995	20th	29·654	23rd	·341	71·6	93·0	+0·4	64·7	+0·7	78·9	+0·5	28·3	106·3	25th	52·9	3rd	54·0
	Karachi	13	29·987	+·033	29·951	30·081	20th	29·790	23rd	·291	73·2	81·7	−0·1	69·1	+2·8	75·4	+1·3	12·6	91·4	21st	61·9	11th	29·5
	IX.—Rajputana.																						
17	Bikaner	*771*	29·176	+·037	29·929	29·301	19th	28·952	23rd	·349	71·5	90·2	+1·5	62·9	−0·3?	76·5	+0·3?	27·3	103·2	23rd	50·9	3rd	52·3
	Jodhpur	780	29·178	+·026	29·933	29·302	20th	28·975	23rd	·327	73·1	92·4	+1·3	65·6	+2·7	79·0	+2·0	26·8	104·5	26th	56·3	5th	48·2
18	Jaipur	1,431	28·524	+·024	29·939	28·642	19th	28·309	23rd	·333	70·7	86·9	−2·5	62·4	+1·7	74·7	−0·4	24·5	98·8	27th	54·1	2nd, 3rd & 4th.	44·7
	Ajmer	1,611	28·361	+·034	29·962	28·482	20th	28·172	23rd	·310	67·2	87·0	−1·6	62·1	+1·8	74·6	+0·1	24·9	99·0	27th	54·0	3rd & 4th	45·0
	Kotah	832	29·141	+·037	29·942	29·260	9th	28·940	23rd	·320	75·8	91·5	−1·5	67·4	+1·4	79·4	−0·1	24·1	102·6	24th & 28th	59·6	2nd	42·0
	X.—Bombay.																						
19	Deesa	466	29·525	+·045	29·953	29·619	19th	29·361	23rd	·258	75·6	95·8	−0·1	63·8	+0·4	79·8	+0·1	32·0	105·1	26th	55·1	14th	50·0
	Bhuj	395	29·659	+·034	29·950	29·749	19th	29·494	23rd	·255	74·4	92·4	−0·7	65·0	−0·2	78·7	−0·5	27·4	110·1	21st	57·2	5th	52·9
	Jamnagar	61	29·942	+·021	29·949	30·028	5th & 9th.	29·789	23rd	·239	75·6	90·6	+0·7	65·1	+1·4	77·8	+1·1	25·5	101·5	22nd	57·3	5th	44·2
	Dwarka	37	29·983	+·028	29·965	30·058	5th	29·836	23rd	·222	75·0	83·1	+1·6	71·6	+1·7	77·3	+1·7	11·5	99·0	21st	63·7	1st	35·3
	Rajkot	429	29·567	+·031	29·954	29·649	9th	29·427	23rd	·222	73·5	94·3	−0·9	62·4	+0·4	78·3	−0·3	31·9	103·4	23rd	53·9	5th	49·5
	Veraval	*18*	29·992	+·043	29·952	30·098	9th	29·875	23rd	·223	72·6	82·4	−3·2	67·3	+2·2	74·8	−0·5	15·1	94·9	23rd	60·8	5th	34·1
	Bhavnagar Para	55	29·955	+·041	29·957	30·054	9th	29·815	23rd	·239	75·7	94·2	−0·8	67·0	+1·0	80·6	+0·1	27·2	103·4	23rd	60·0	14th	43·4
	Surat	39	29·976	+·048	29·959	30·074	12th	29·866	23rd	·208	75·4	92·2	−4·1?	68·3	+2·1	80·3	−1·0?	23·9	104·5	22nd & 23rd	63·3	15th & 16th.	41·2
	Ahmadabad	163	29·844	+·046	29·959	29·929	19th	29·701	23rd	·228	75·5	95·6	−1·3	67·9	+0·4	81·7	−0·5	27·7	105·0	23rd	60·6	14th	44·4
25	Bombay	37	29·984	+·055	29·961	30·070	9th	29·870	22nd	·200	76·9	86·1	+0·4	73·9	+0·7	80·0	+0·5	12·2	92·2	22nd	70·5	14th	21·7
	Ratnagiri	207	29·779	+·036	29·943	29·873	8th	29·692	22nd	·181	78·7	86·5	−0·9	73·1	+1·0	79·8	+0·1	13·4	93·5	22nd	68·1	14th	25·4
	Marmagao	*60*	29·952	+·056	29·947	30·032	8th	29·842	22nd	·190	79·1	87·6	+0·8	75·0	+0·1	81·3	+0·5	12·6	95·5	21st	70·8	5th	24·7
	Karwar	44	29·982	+·069	29·962	30·057	9th	29·889	22nd	·168	74·9	86·8	−0·7	72·0	−0·4	79·4	−0·5	14·8	92·5	21st	65·0	5th	27·5

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

B—*continued.*

at 215 stations in India, etc., in March, 1915—*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 December 1914 to 31st March, 1915.	Normal rainfall for period, 1st December, to 31st March.	Departure from normal of period, 1st Dec., 1914, to 31st Mar. 1915.	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
																																VI.—Punjab—*concld.*
1	1	0	9	3	2	1	10	4	S 63° W		3·9			6		70	+ 7	·423	+·036	1·7	−1·4	4	1·8	+2·2	1·73	1·01	+0·72	5·44	4·16	+1·28	0·91	Patiala.
10	7	0	6	5	0	1	0	2	N 60° E	N 37° W	3·5	2·3	+1·2	27	+ 3	74	+ 9	·428	+·051	2·2	−0·6	2	1·6	+0·4	0·97	0·81	+0·16	4·46	5·15	−0·69	0·60	Ambala.
23	1	1	0	1	1	0	2	2	N 56° W	N 31° W	1·2	1·6	−0·4	7	−15	74	+12	·434	+·075	1·3	−2·0	3	2·0	+1·0	1·22	0·97	+0·25	6·90	4·82	+2·08	0·71	Ludhiana.
21	2	0	2	2	0	0	3	1	N 15° W	N 10° W	1·4	2·1	−0·7	4	−14	73	+ 7	·445	+·072	3·1	−0·5	3	1·8	+1·2	1·33	0·76	+0·57	4·57	3·21	+1·36	1·07	Lahore.
11	4	7	3	3	1	0	1	1	N 52° E	N 7° E	1·9	1·5	+0·4	33	+ 4	79	+11	·430	+·054	2·5	−0·3	4	3·0	+1·0	2·74	1·35	+1·39	6·04	6·05	−0·01	1·28	Sialkot.
12	4	3	0	2	0	0	6	4	N 35° W	N 39° W	2·6	2·1	+0·5	30	+ 4	72	+ 2	·364	+·032	3·5	−0·8	4	4·5	−0·5	2·00	2·06	−0·06	8·46	7·99	+0·47	0·67	Rawalpindi.
9	2	7	6	1	2	2	1	1	N 68° E	N 22° E	2·5	3·7	−0·2	30	+ 8	61	+ 4	·403	+·072	3·2	0	3	2·5	+0·5	1·29	1·03	+0·26	3·18	3·12	+0·06	0·97	Khushab.
5	1	3	2	11	1	5	0	3	S 42° E		2·2			30		74		·441		4·7		2	2·1	−0·1	1·93	0·57	+1·36	2·46	1·89	+0·57	1·50	Lyallpur.
4	2	3	5	7	6	2	1	1	S 50° E	N 53° E	4·1	3·9	+0·2	37	+15	63	+12	·405	+·091	3·2	+0·1	3	1·5	+1·5	1·41	0·46	+0·95	3·03	1·89	+1·14	0·67	Montgomery.
13	2	8	1	5	0	1	0	1	N 65° E	N 50° E	1·5	1·4	+0·1	33	+ 8	59	+ 1	·409	+·053	2·6	−0·1	2	1·0	+1·0	0·61	0·38	+0·23	0·63	1·42	−0·79	0·39	Multan.
																																VII.—North-West Frontier Province.
21	0	1	0	0	6	1	0	2	S 11° W	S 27° W	1·3	2·6	−1·3	17	− 8	79	+ 8	·407	+·056	4·4	−0·1	4	4·3	−0·3	2·56	2·13	+0·43	7·98	5·57	+2·41	1·20	Peshawar.
19	3	5	1	1	0	1	0	1	N 34° E	N 13° W	1·5	1·5	0	23	− 9	72	+ 7	·453	+·087	2·0	−1·5	1	2·2	−1·2	0·39	0·98	−0·59	0·84	2·42	−1·58	0·32	Dera Ismail Khan.
																																VIII.—Sind.
28	0	0	3	0	0	0	0	0	E	N 33° E	0·2	2·8	−2·6	10	−15	68	+23	·556	+·240	3·0	+0·3	1	0·7	+0·3	0·32	0·23	+0·09	0·46	1·01	−0·55	0·23	Jacobabad.
0	9	1	0	1	6	11	1	2	S 69° W	S 83° W	4·4	6·1	−1·7	30	+ 2	64	+14	·492	+·107	1·4	−0·7	1	0·5	+0·5	0·12	0·18	−0·06	0·14	0·75	−0·61	0·10	Hyderabad.
6	4	3	1	0	0	4	9	4	N 62° W	N 32° W	8·0	8·3	−0·3	43	+ 7	76	+ 9	·627	+·111	2·2	−0·1	1	0·5	+0·5	0·43	0·22	+0·21	1·07	1·38	−0·31	0·43	Karachi.
																																IX.—Rajputana.
5	1	3	4	7	7	2	1	1	S 40° E	S 46° W	3·4	3·9	−0·5	40	+29	42	− 1	·324	+·021	2·2	−0·6	2	0·6	+1·4	0·43	0·22	+0·21	2·67	1·02	+1·65	0·26	Bikaner.
7	0	12	2	1	2	6	1	0	N 75° E		3·2			20		36	+ 3	·289	+·045	2·5	−0·1	1	0·2	+0·8	0·16	0·06	+0·10	0·62	0·59	+0·03	0·12	Jodhpur.
14	1	4	6	2	1	1	1	1	N 80° E	N 29° W	3·2	3·3	−0·1	27	−13	54	+12	·392	+·083	2·1	−0·6	4	0·7	+3·3	1·60	0·22	+1·28	3·47	1·29	+2·18	0·80	Jaipur.
20	1	1	0	1	2	2	1	3	S 84° W	S 63° W	2·8	3·0	−0·2	10	− 1	58	+ 9	·380	+·045	1·0	−1·4	3	0·7	+2·3	1·23	0·18	+1·05	3·21	1·13	+2·08	0·60	Ajmer.
20	1	0	1	7	0	1	1	0	S 43° E		2·6*			23		48	+14	·402	+·118	2·6	+1·4	2	0·2	+1·8	1·14	0·08	+1·06	5·65	0·84	+4·81	0·60	Kotah.
																																X.—Bombay.
1	0	8	6	3	6	5	1	1	S 58° E	N 7° W	5·8	6·3	−0·5	33	+ 1	57	+19	·484	+·167	1·3	−0·5	2	0·1	+1·9	0·39	0·04	+0·35	0·91	0·39	+0·52	0·23	Deesa.
8	4	2	1	0	0	2	11	3	N 63° W	N 60° W	5·4	6·4	−1·0	43	−22	64	+ 4	·537	+·038	0·9	−1·0	1	0·2	+0·8	1·18	0·07	+1·11	1·18	0·35	+0·83	1·18	Bhuj.
2	3	1	4	0	6	5	7	3	S 65° W		8·0			28		66	− 3	·587	+·027	1·5	+0·2	0	0·2	−0·2	0·04	0·17	−0·13	0·04	0·42	−0·38	0·04	Jamnagar.
0	7	7	1	0	0	7	5	4	N 35° W		9·1			40		73	− 2	·625	−·026	2·6	+0·4	1	0·3	+0·7	1·00	0·06	+0·94	1·37	0·68	+0·69	1·00	Dwarka.
4	4	3	1	2	0	8	8	1	S 89° W	N 25° W	6·8	5·6	+1·0	32	−22	62	0	·508	+·009	2·5	+1·1	0	0·1	−0·1	0·02	0·05	−0·03	0·22	0·27	−0·05	0·02	Rajkot.
12	3	0	1	0	0	3	5	7	N 62° W	N 13° W	6·7	5·6	+1·1	43	−22	74	+10	·600	+·080	2·5	+1·0	2	0·1	+1·9	0·57	0·03	+0·54	1·25	0·19	+1·06	0·57	Veraval.
4	2	0	0	0	3	6	7	9	N 59° W	N 35° W	3·7	6·3	−2·6	57	− 8	70	+18	·633	+·087	2·7	+1·3	1	0·2	+0·8	0·12	0·11	+0·01	0·18	0·37	−0·19	0·10	Bhavnagar Para.
8	2	2	3	5	5	4	1	1	S 25° E	N 46° W	3·1	4·5	−1·4	27	− 9	75	+14	·657	+·116	3·5	+2·4	0	0·1	−0·1	0·09	0·02	+0·07	0·09	0·22	−0·13	0·08	Surat.
3	1	8	2	2	2	4	1	8	N 4° W	N 1° E	4·5	3·4	+1·1	19	−15	56	+13	·485	+·121	2·4	+0·6	2	0·2	+1·8	0·23	0·06	+0·27	0·33	0·24	+0·09	0·22	Ahmadabad.
1	4	8	8	9	0	0	0	1	N 78° E	N 40° E	5·4	8·0	−2·6	62	+ 8	78	+ 4	·720	+·028	3·1	+1·3	1	0·1	+0·9	0·69	0·02	+0·67	0·99	0·21	+0·78	0·64	Bombay.
1	16	7	2	4	1	0	0	0	N 29° E	N 22° E	7·0	6·1	+0·9	66	+44	66	− 3	·649	−·017	2·2	+1·0	0	0·1	−0·1	0·06	0·05	+0·01	0·53	0·28	+0·25	0·06	Ratnagiri.
0	7	6	2	2	2	0	0	12	N 3° W	N 72° E	7·0	6·6	+0·4	53	+28	78	− 1	·773	−·015	4·1	+1·9	1	0	+1·0	0·15	0	+0·15	1·15	0·23	+0·92	0·15	Marmagao.
28	2	0	0	0	0	1	0	0	N 30° W	N 43° E	2·1	3·4	−1·3	3	−58	83	+ 1	·717	−·004	2·9	+1·5	0	0	0	0·01	0	+0·01	3·05	0·28	+2·79	0·01	Karwar.

* Mean of 30 days.

Table

(2) Abstract of observations taken at 8 hrs.

Number of sub-division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches. 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
	X.—Bombay —*concld.*																						
26	Malegaon	1,430	28·573	+·058	29·965	28·689	8th	28·483	23rd	·206	74·4	95·5	−2·0	64·1	+0·8	79·8	−0·6	31·4	104·6	26th	57·9	19th	46·7
	Ahmadnagar	2,154	27·863	+·056	29·942	27·945	8th	27·787	23rd	·158	74·7	93·1	−1·5	63·5	+0·8	78·3	−0·3	29·6	100·9	27th	55·4	4th	45·5
	Poona	1,846	28·162	+·051	29·964	28·254	19th	28·084	23rd & 27th.	·170	71·9	93·9	−3·6	63·1	−0·1	78·5	−1·3	30·8	102·0	27th	52·9	4th	49·1
	Sholapur	1,590	28·397	+·049	29·927	28·484	8th	28·290	27th	·194	76·8	95·9	−4·1	69·0	−0·2	82·5	−2·1	25·9	103·5	28th	60·3	4th	43·2
	Bijapur	*1,948*	28·042	+·045	29·913	28·130	8th	27·949	27th	·181	77·2	93·7	−3·4	69·6	−0·6	81·7	−2·0	24·1	102·0	28th	61·0	4th	41·0
	Belgaum	2,562	27·462	+·048	29·938	27·542	19th	27·379	27th	·163	72·7	90·9	−2·8	62·8	−1·1	76·9	−1·9	28·1	97·4	22th	56·5	5th	40·9
	XI.—Central India.																						
20	Neemuch	1,626	29·357	+·037	29·952	28·463	19th	28·192	23rd	·271	71·6	89·4	−1·6	62·0	+0·8	75·7	−0·4	27·4	99·5	26th	52·5	19th	47·0
	Indore	1,823	28·164	+·041	29·948	28·269	20th	28·039	23rd	·230	73·2	90·9	−1·4	62·8	+2·4	76·9	+0·5	28·1	100·3	26th	55·3	4th	45·0
21	Nowgong	754	29·218	+·046	29·950	29·328	8th	29·001	28th	·327	69·4	88·6	−3·1	61·9	+1·4	75·3	−0·9	26·7	102·0	28th	52·0	5th	50·0
	Sutna	1,041	28·629	+·056	29·952	29·047	11th	28·711	28th	·336	69·3	85·0	−5·8	62·5	+1·1	73·8	−2·3	22·5	98·0	28th	55·2	4th	42·8
	XII.—Central Provinces.																						
22	Buldana	2,134	27·863		29·928?	28·001	8th	27·775	23rd	·226	75·1	88·8	−4·7	67·8	−2·0	78·3	−3·3	21·0	97·8	28th	58·9	4th	38·9
	Akola	945	29·072	+·066	29·958	29·218	8th	28·933	29th	·285	76·0	94·5	−4·5	67·3	+1·4	80·9	−1·5	27·2	104·2	28th	58·8	14th	45·4
	Amraoti	1,215	28·769	+·055	29·942?	28·876	19th	28·663	27th	·213	76·3	93·4	−4·5	68·9	−0·2	81·2	−2·3	24·5	103·6	28th	60·8	3rd	43·3
23	Khandwa	1,044	28·944	+·052	29·958	29·058	8th	28·827	27th	·231	73·1	94·0	−3·4	65·4	+0·5	79·7	−1·5	28·6	103·3	28th	56·2	15th	47·1
	Hoshangabad	1,006	28·983	+·051	29·960	29·083	19th	28·840	28th	·243	71·9	91·8	−3·9	65·3	+1·1	78·3	−1·4	26·0	101·3	28th	58·6	5th	42·7
	Saugor	1,807	28·167	+·036	29·938?	28·284	19th	27·993	28th	·291	72·1	87·7	−3·6	64·6	−0·1	76·2	−1·9	23·1	98·8	28th	55·0	4th	43·8
	Jubbulpore	1,327	28·654	+·062	29·958	28·785	11th	28·497	28th	·288	70·2	88·1	−4·3	62·7	+2·2	75·4	−1·1	25·4	99·8	28th	54·3	5th	45·5
	Seoni	2,033	27·866	+·062	29·954	28·084	8th	27·826	29th	·258	72·4	87·5	−5·3	62·6	−0·2	75·1	−2·7	24·9	98·4	28th	55·6	5th	42·8
	Nagpur	1,017	28·972	+·064	29·953	29·086	8th	28·826	23th	·260	74·9	92·4	−5·5	66·3	−1·2	79·3	−3·3	26·1	102·1	29th	59·1	6th	43·0
24	Pendra	2,040	27·947	+·047	29·945	28·066	8th	27·782	29th	·284	72·0	86·0	−1·5	63·8	+1·7	74·9	+0·1	22·2	97·0	30th	58·1	5th	38·9
	Raipur	970	29·004	+·049	29·937	29·129	8th	28·864	29th	·265	74·0	92·2	−3·5	68·3	+0·1	80·2	−1·7	23·9	102·2	30th	59·8	4th	42·4
	Chanda	*634*	29·243	+·047	29·937	29·460	8th	29·232	27th.	·228	76·9	93·9	−5·7	67·1	0	80·5	−2·9	26·8	102·5	29th	60·2	6th	43·3
	Jagdalpur	1,813	28·192		29·947	28·308	8th	28·087	29th	·221	75·5	91·2		64·9		78·0		26·3	98·2	30th	58·1	7th	40·1
	XIII.—Hyderabad.																						
27	Aurangabad	1,905	28·103	+·048	29·948	28·206	8th	28·007	23rd	·199	75·6	91·9	−4·5	66·5	+1·0	79·3	−1·7	25·4	100·4	27th	59·8	5th	40·6
	Nizamabad	1,248	28·743	+·028?	29·940	28·863	8th	28·644	27th	·219	77·7	93·6	−4·5	69·5	+1·2	81·6	−1·7	24·1	102·7	28th	62·7	1st	40·0
	Bidar	*2,165*									77·1	91·1	−4·0	68·8	−1·9	79·9	−2·9	22·3	99·0	27th	61·4	4th	37·6
28	Gulbarga	1,503	28·484	+·049	29·927	28·593	8th	28·374	27th	·219	77·4	96·6	−2·8	69·3	−1·5	83·0	−2·1	27·3	104·8	27th	63·0	4th	41·8
	Raichur	*1,311*	28·680	+·078	29·931	28·779	5th	28·564	26th	·215	79·5	86·1	−2·5	74·0	0	85·0	−1·3	22·1	106·0	27th	67·1	4th	38·9
	Hyderabad (Deccan)	1,738	28·256	+·056	29·931	28·347	8th	28·161	27th	·186	76·2	91·4	−5·7	69·9	−0·1	80·7	−2·9	21·5	99·8	26th	63·6	4th	36·2
	Hanamkonda	877	29·125	+·065	29·954	29·221	8th	29·020	27th	·201	77·4	91·8	−5·7	71·7	−0·2	81·8	−2·9	20·1	100·0	26th & 29th.	65·2	3rd & 4th	34·8
	XIV.—Mysore.																						
29	Chitaldrug	2,405	27·620	+·059	29·919	27·703	8th	27·540	27th	·163	77·1	93·2	−1·5	70·5	+0·3	81·8	−0·6	22·7	98·2	28th	62·6	4th	35·6
	Hassan	3,199	26·924	+·051	29·934	26·990	19th	26·866	27th	·124	72·4	89·9	−1·3	63·7	+1·6	76·7	+0·1	26·2	94·6	28th	55·8	6th	38·8
	Bangalore	3,021	27·044	+·052	29·932	27·113	19th	26·982	27th	·131	73·0	89·9	−1·1	66·7	+2·0	78·3	+0·5	23·2	96·3	27th	59·8	9th	36·5
	Mysore	2,518	27·524	+·053	29·932	27·584	9th	27·472	22nd	·112	76·0	92·8	−0·8	69·0	+1·7	80·9	+0·4	23·8	96·2	28th	63·8	4th	32·4

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

B—*continued.*

at 215 stations in India, etc., in March, 1915—*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., 1914, to 31st March 1915.	Normal rainfall for period, 1st December to 31st March.	Departure from normal of period, 1st Dec., 1914, to 31st March 1915.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																X.—Bombay—*concld.*
15	0	1	2	1	1	4	5	2	S 68° W	N 66° W	4·3	5·6	−1·3	23	−42	53	+11	·427	+·064	2·2	+0·8	4	0·2	+3·8	1·40	0·04	+1·36	2·84	0·46	+2·38	0·58	Malegaon.
7	4	2	1	2	2	1	1	11	N 32° W	N 1° W	4·9	6·6	−1·7	37	−13	44	− 2	·375	−·041	1·3	+0·5	1	0·3	+0·7	0·85	0·18	+0·67	1·12	0·95	+0·17	0·75	Ahmadnagar.
7	0	2	0	2	0	2	15	3	N 87° W	S 87° W	6·7	6·2	+0·5	53	+20	57	+16	·435	+·108P	0·8	−0·3	0	0·2	−0·2	0·04	0·04	0	0·10	0·34	−0·24	0·04	Poona.
4	3	2	1	5	1	2	3	10	N 45° W	N 14° E	6·8	5·8	+1·0	27	+ 5	49	+16	·436	+·110P	2·1	+0·8	2	0·4	+1·6	1·32	0·20	+1·12	4·87	0·82	+4·05	1·17	Sholapur.
1	4	0	0	7	4	2	2	11	N 78° W	N 84° W	3·8	3·6	+0·2	20	−20	46	− 4	·421	−·069	1·9	+0·8	4	0·9	+3·1	1·13	0·31	+0·82	3·83	0·66	+3·17	0·42	Bijapur.
25	1	1	2	0	0	0	2	0	N 24° E	N 8° E	6·5	8·2	−1·7	7	− 4	53	+ 7	·418	+·030	2·6	+1·5	0	0·8	−0·8	0·09	0·34	−0·25	3·79	0·81	+2·98	0·09	Belgaum.
																																XI.—Central India.
5	0	3	3	7	3	3	6	0	S 14° E*	S 34° E	4·6	5·7	−1·1	27	+ 2	51	+13	·393	+·092	2·0	+0·3	1	0·2	+0·8	0·25	0·08	+0·17	3·87	0·65	+3·22	0·23	Neemuch.
3	3	4	6	3	1	1	8	2	N 13° E	N 7° W	3·5	2·5	+1·0	10	−19	58	+18	·438	+·142	2·5	+0·9	3	0·1	+2·9	0·67	0·04	+0·63	1·32	0·60	+0·73	0·27	Indore.
4	2	2	6	2	6	3	5	1	S 10° E	S 80° W	2·4	1·8	+0·6	17	−26	63	+14	·439	+·088	3·0	+0·6	5	0·7	+4·3	1·02	0·27	+0·75	1·98	1·97	+0·01	0·39	Nowgong.
18	1	0	2	2	3	3	2	0	S 7° W	N 52° W	2·0	3·9	−1·9	17	−40	65	+24	·451	+·141	3·0	+0·8	5	1·0	+4·0	1·40	0·39	+1·01	4·73	2·50	+2·23	0·33	Sutna.
																																XII.—Central Provinces.
1	1	1	4	4	1	3	6	10	N 69° W		5·7	5·4	+0·3	26		45		·371		3·0		6	0·5	+5·5	4·25	0·19	+4·06	4·74	1·28	+3·46	1·83	Buldana.
0	2	2	4	8	0	3	5	7	N 59° W	N 45° W	4·5	3·5	+1·0	3	− 8	50	+17	·424	+·126	3·0	+1·5	5	0·7	+4·3	2·98	0·35	+2·63	4·67	1·61	+3·06	1·41	Akola.
13	1	4	4	3	0	1	4	1	N 63° E	N 72° E	0·7†	3·5	−2·8	10	−12	50	+11	·405	+·039	2·7	+1·3	3	0·8	+2·2	2·49	0·30	+2·19	4·10	1·53	+2·57	1·54	Amraoti.
20	1	2	2	1	0	1	4	0	N 31° W	N 40° W	4·0	3·7	+0·3	3	−26	54	+20	·420	+·135	3·0	+1·8	3	0·4	+2·6	1·36	0·12	+1·24	2·91	0·77	+2·14	0·74	Khandwa.
10	1	10	5	0	0	5	0	0	N 62° E	N 63° E	2·3	1·9	+0·4	33	+ 8	55	+11	·412	+·058	2·3	+0·8	4	0·4	+3·6	2·45	0·20	+2·25	3·55	1·32	+2·23	1·05	Hoshangabad.
0	0	4	7	6	4	3	6	1	S 38° E	S 69° E	6·0	3·1	+2·9	30	+12	47	+11	·338	+·049	2·6	+1·2	3	0·8	+2·2	2·04	0·31	+1·73	3·44	1·85	+1·59	1·14	Saugor.
2	6	3	1	6	5	1	3	4	N 39° E	S 23° E	2·3	2·0	+0·3	3	−26	62	+15	·442	+·098	2·8	+1·2	6	1·1	+4·9	2·01	0·41	+1·60	3·54	2·16	+1·38	0·86	Jubbulpore.
6	4	10	1	3	2	3	1	1	N 45° E	N 37° E	4·0	2·3	+1·7	27	0	49	+ 6	·375	+·028	2·5	+0·8	7	1·8	+5·2	3·30	0·60	+2·70	5·71	2·52	+3·19	0·82	Seoni.
3	8	4	5	3	0	0	0	7	N 20° E	N 14° E	4·0	3·6	+0·4	49	+17	53	+14	·410	+·087	2·5	+0·7	3	1·2	+1·8	1·77	0·50	+1·27	5·19	1·83	+3·66	0·66	Nagpur.
2	5	2	0	2	3	3	1	3	N 49° W		3·1‡			10		51	+ 9	·374	+·062	3·2	+1·2	4	3·3	+0·7	2·67	1·44	+1·23	6·13	4·19	+1·94	1·32	Pendra.
2	5	4	3	0	4	7	2	4	N 64° W	N 59° W	3·6	3·6	0	13	+ 2	54	+12	·440	+·071	2·0	+0·1	3	1·6	+1·4	0·84	0·65	+0·19	2·73	1·77	+0·96	0·32	Raipur.
20	0	2	0	1	3	2	2	1	S 31° W	N 46° E	2·1	2·2	−0·1	13	−19	63	+19	·567	+·147	2·8	+1·4	4	1·3	+2·7	3·23	0·99	+2·24	5·14	2·01	+3·13	1·14	Chanda.
21	0	0	1	0	3	3	2	0	S 31° W*		1·15			20		63		·541		2·2		4			1·21			5·94			0·38	Jagdalpur.
																																XIII.—Hyderabad.
2	1	1	9	6	2	4	3	3	S 49° E		6·8			27		49	+17	·411	+·109	2·8	+1·9	4	0·5	+3·5	2·17	0·24	+1·93	3·61	0·97	+2·64	0·92	Aurangabad.
5	2	3	2	3	3	4	4	4	S 74° W		3·4			10		54	+ 3	·493	−·028	3·2	+1·9	4	1·0	+3·0	2·28	0·56	+1·72	4·25	1·22	+3·03	1·16	Nizamabad.
2	0	5	0	11	1	4	0	8	S 55° E		4·9			10		55	+ 4	·495	−·022	4·7	+3·7	6	1·2	+4·8	3·00	0·44	+2·56	4·79	1·20	+3·59	0·84	Bidar.
1	4	4	4	2	8	3	2	3	S 38° E	N 79° E	5·7	5·8	−0·1	13	− 8	46	+ 3	·440	−·024	2·3	+1·4	3	0·8	+2·2	1·14	0·39	+0·75	3·05	0·88	+2·17	0·60	Gulbarga.
0	2	2	0	6	4	6	1	10	S 73° W	S 3° W	6·1	5·3	+0·8	23	− 5	56	+ 9	·555	+·065	1·7	+0·4	4	0·4	+3·6	0·99	0·27	+0·72	3·03	0·75	+2·23	0·31	Raichur.
7	4	7	1	1	1	6	1	3	N 8° W	S 47° E	3·6	3·1	+0·5	17	+ 5	67	+12	·591	+·087	2·7	+1·3	5	1·0	+4·0	3·41	0·64	+2·77	4·31	1·28	+3·03	1·54	Hyderabad (Deccan).
0	1	0	3	14	12	1	0	0	S 30° E		4·6			79		70	+ 7	·654	+·059	3·4	+1·4	5	0·5	+4·5	2·62	0·18	+2·44	3·87	1·05	+2·82	1·00	Hanamkonda.
																																XIV.—Mysore.
8	0	1	2	5	0	5	7	3	S 56° W	S 56° W	4·2	4·7	−0·5	27	−10	51	+ 1	·463	−·018	2·0	+1·0	4	0·5	+3·5	1·59	0·21	+1·38	2·06	0·84	+1·22	0·70	Chitaldrug.
7	3	1	5	3	1	2	5	4	N 27° W	S 37° E	3·5	2·2	+1·3	6	−17	68	+ 3	·536	+·004	2·1	+0·1	2	0·5	+1·5	1·12	0·24	+0·88	4·02	1·25	+2·77	0·75	Hassan.
2	0	1	6	11	1	4	4	2	N 34° E	S 12° E	6·1	3·6	+2·5	37	−13	70	+ 6	·565	+·040	2·1	+0·7	2	0·9	+1·1	1·94	0·46	+1·47	2·75	1·40	+1·35	1·27	Bangalore.
6	2	3	2	3	3	6	5	1	S 40° W	S 39° W	4·6	5·8	−1·2	23	−15	64	− 5	·572	−·015	2·0	−0·6	2	0·5	+1·5	0·69	0·20	+0·49	0·99	0·94	+0·05	0·43	Mysore.

* 1 wind less.
† Mean of 26 days.
‡ Mean of 30 days.
§ " " 29 "

Table

(2) Abstract of observations taken at 8 hrs.

Number of sub-division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches. 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
	XV.—Madras.																						
30	Mangalore	72	29·949	+·052	29·953	30·014	8th	29·878	22nd	·136	81·7	89·9	+1·0	75·5	+1·4	82·7	+1·2	14·4	98·5	30th	68·8	6th	29·7
	Calicut	27	29·978	+·048	29·936	30·035	9th	29·919	22nd	·116	80·8	89·4	−0·7	76·7	+0·8	83·1	+0·1	12·7	91·2	29th	72·1	6th	19·1
	Cochin	9	30·003	+·055	29·938	30·047	8th	29·955	22nd & 23rd	·092	81·9	90·1	−1·3	77·4	+0·2	83·7	−0·5	12·7	91·9	23rd, 26th & 28th.	73·8	29th	18·1
	Trivandrum	198	29·805	+·057	29·923	29·856	9th	29·739	22nd	·117	81·3	88·1	+0·8	76·9	+0·4	82·5	+0·6	11·2	90·9	30th	74·8	15th	16·1
31	Pamban	37	29·979	+·055	29·914	30·052	9th	29·903	27th	·149	82·5	84·5	−5·0P	78·5	+2·5	81·5	−1·3P	6·0	87·9	31st	75·2	5th & 14th	12·7
	Madura	447	29·570	+·053	29·850	29·651	8th	29·493	27th	·158	82·8	96·6	+0·1	77·1	+4·2P	86·8	+2·1P	19·5	102·4	27th	74·0	20th & 21st.	28·4
	Pudukkottai	318	29·710	+·050	29·961	29·803	9th	29·640	27th	·163	80·7	96·0	+0·3	74·7	+1·8	85·3	+1·1	21·3	102·7	27th	70·5	10th	32·2
	Negapatam	31	29·990	+·058	29·949	30·064	8th	29·917	27th	·147	82·6	88·2	−0·6	77·2	+1·3	82·7	+0·3	11·0	95·6	28th	71·9	4th	23·7
	Trichinopoly	255	29·775	+·061	29·964	29·850	8th & 9th	29·699	27th	·151	81·4	95·7	−2·0	74·7	+2·0	85·2	0	21·0	102·3	27th	71·0	12th	31·3
	Coimbatore	1,341	28·691	+·072	29·970	28·777	8th	28·627	27th	·150	77·2	93·9	−2·3	71·5	+1·7	82·7	−0·3	22·4	99·3	25th	67·1	10th & 21st.	32·2
	Salem	913	29·109	+·064	29·980	29·197	8th	29·039	27th	·158	79·5	96·8	−1·9	73·2	+2·3	85·0	+0·2	23·6	103·0	28th	66·8	21st	36·2
	Cuddalore	37	29·989	+·061	29·955	30·074	9th	29·911	27th	·163	80·3	87·8	−1·5	75·1	+2·9	81·4	+0·7	12·7	92·1	27th & 31st.	70·4	11th	21·7
	Vellore	707	29·323	+·063	29·969	29·410	8th	29·207	27th	·203	77·1	92·7	−1·6	71·0	+1·3	81·8	−0·1	21·7	101·1	27th	63·5	10th	37·6
	Madras	22	30·000	+·054	29·953	30·092	8th	29·902	28th	·190	81·1	90·1	+0·3	74·2	+2·0	82·2	+1·1	15·9	97·4	27th	68·8	11th	28·6
32	Cuddapah	428	29·565	+·057	29·932	29·668	8th	29·437	27th	·231	81·7	98·1	−3·8	75·7	+0·9	86·9	−1·5	22·4	107·0	30th	70·1	12th	36·9
	Bellary	1,475	28·519	+·058	29·926	28·620	8th	28·426	27th	·194	80·3	98·0	−2·5	72·3	+0·1	85·1	−1·2	25·7	104·3	26th	66·7	9th	37·6
	Kurnool	923	29·080	+·077	29·947	29·189	8th	28·983	27th	·206	79·0	96·5	−4·3	72·8	+1·3	84·7	−1·5	23·7	104·4	27th	63·4	17th	41·0
33	Nellore	66	29·942	+·058	29·943	30·049	8th	29·821	27th	·228	79·2	92·2	−3·1	74·2	+1·7	83·2	−0·7	18·0	100·0	25th	66·5	28th	33·5
	Masulipatam	15	30·008	+·056	29·957	30·134	8th	29·900	27th	·234	79·5	89·3	−1·8	72·3	−0·1	80·8	−0·9	17·0	94·4	25th	66·2	12th	28·2
	Cocanada	26	30·001	+·060	29·963	30·115	8th	29·905	27th	·210	78·4	89·7	−2·3	72·8	−0·8	81·3	−1·5	16·9	96·7	26th	68·4	13th	28·3
	Waltair (Vizagapatam).	*996*	29·795	+·068	29·964	29·899	8th	29·685	29th	·214	79·0	87·5	+0·5	74·1	−0·7	80·8	−0·1	13·4	93·4	31st	69·7	12th	22·7
	Calingapatam	19	30·000		29·956	30·122	8th	29·878	29th	·244	78·1	90·4		71·6		81·0		18·8	97·8	20th	66·8	9th, 11th & 12th.	31·0
	Gopalpur	52	29·947	+·068	29·940	30·067	8th	29·834	29th	·233	78·2	86·8	+0·2	72·9	−0·1	79·8	+0·1	13·9	93·1	21st	42·7	30th	50·4
	Bay Islands.																						
1	P. V. Fraser	8	29·997		29·957	30·145	8th	29·878	28th	·267	79·6												
	Port Blair	58	29·950	+·050	29·938	30·012	8th	29·894	22nd	·119	82·8	90·6	0	77·5	+1·1	84·1	+0·5	12·1	92·8	22nd & 31st.	74·1	15th	18·7
	Table Island	90	29·923	+·023	29·947	29·979	8th	29·878	27th	·101	80·9	87·7	+0·8	77·9	+1·6	82·8	+1·2	9·8	89·9	21st	76·3	1st	13·6
	Kashmir.																						
13	Muzaffarabad		27·615			27·736	8th	27·427	23rd	·309	54·0			49·4							41·1	1st	
	Srinagar	5,204	25·032	+·107	25·003	25·206	8th	24·874	13th	·332	40·0	51·1*	−4·7*	36·1	−1·2	43·6*	−2·9	15·0	66·9	25th	37·5	2nd	39·4
	Dras	*10,059*	20·922	+·147	20·890	21·159	20th	20·713	13th	·446	4·9	26·7	−6·9	−3·2	−7·3	11·7	−7·1	29·9	39·6	29th	−24·0	3rd	63·6
	Leh	*11,503*	19·775	+·109	19·743	20·025	20th	19·577	13th	·448	36·1	49·4	+5·1	21·6	+0·8	35·5	+2·9	27·8	59·8	17th	10·3	3rd	49·5
	Skardu	*7,505*	23·018	+·132	22·988	23·257	20th	22·839	13th	·418	38·9	54·3	+4·8	31·0	−1·7	42·9	+1·5	23·8	72·6	31st	18·7	2nd	53·9
	Gilgit	*4,890*	25·320	+·157	25·303	25·583	20th	25·146	28th	·426	53·1	68·8	+7·2	46·7	+1·7	57·7	+4·5	22·1	80·7	24th & 26th.	37·2	4th	43·5

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

* Mean of 30 days.

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

B—*continued.*

at 215 stations in India, etc., in March, 1915—*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. 1914 to 31st Mar., 1915.	Normal rainfall for period, 1st Dec. to 31st March.	Departure from normal of period, 1st Dec. 1914 to 31st Mar., 1915.	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
																																XV.—Madras.
1	10	11	7	2	0	0	0	0	N 45° E	N 70° E	5·6	2·2	+3·4	72	+32	68	− 5	·738	−·026	1·9	−0·2	0	0·2	−0·2	0	0·10	− 0·10	1·60	0·68	+ 0·92	0	Mangalore.
9	3	4	5	5	0	0	0	5	N 53° E	N 42° E	6·3	7·7	−1·4	33	−14	82	+ 6	·851	+·036	2·5	+0·6	2	0·8	+1·2	1·21	0·57	+ 0·64	7·08	2·25	+ 4·83	0·99	Calicut.
1	0	20	8	1	0	0	0	1	N 58° E	N 31° E	5·8	5·0	+0·8	86	+11	78	+ 1	·843	+·010	1·5	−0·7	4	2·9	+1·1	5·86	2·07	+ 3·79	16·79	5·07	+11·72	3·00	Cochin.
7	12	4	1	0	0	0	2	4	N 3° W	N 24° E	3·5	4·0	−0·5	62	+15	76	0	·809	+·025	1·9	−0·4	1	2·6	−1·6	0·31	1·70	− 1·39	12·18	5·17	+ 7·01	0·27	Trivandrum.
8	1	7	6	7	1	1	0	0	S 87° E	S 87° E	11·4	5·4	+6·0	49	−20	78	+ 1	·856	+·003	2·7	−0·1	1	1·3	−0·3	0·22	0·54	− 0·32	12·10	11·04	+ 1·06	0·22	Pamban.
0	5	13	9	1	1	0	1	1	N 53° E	N 28° E	4·4	2·8	+1·6	69	+19	72	− 2	·803	+·028	4·9	+2·2	0	0·8	−0·8	0·03	0·54	− 0·51	1·92	3·28	− 1·36	0·03	Madura.
7	7	7	0	1	4	3	1	1	N 18° E		4·0			19		83	+ 8	·878	+·121	3·1	−1·0	2	1·4	+0·6	0·48	0·44	+ 0·04	9·82	3·38	+ 6·44	0·38	Pudukkottai.
4	0	4	8	5	4	4	1	1	S 55° E	S 85° E	7·4	4·6	+2·8	40	+ 4	81	+ 6	·892	+·067	4·5	+0·5	3	0·7	+2·3	1·40	0·38	+ 1·02	18·30	14·14	+ 4·16	1·15	Negapatam.
4	8	9	1	4	1	0	1	2	N 29° E	N 31° E	2·7	2·8	−0·1	49	+27	75	+ 2	·794	+·039	2·8	+0·2	2	0·6	+1·4	1·48	0·45	+ 1·03	4·87	4·40	+ 0·47	0·87	Trichinopoly.
10	4	12	3	0	1	1	0	0	N 45° E	N 84° E	2·8	2·1	+0·7	49	+ 9	75	− 4	·697	−·026	2·7	−0·9	3	1·0	+2·0	3·68	0·44	+ 3·24	6·64	2·56	+ 4·08	3·20	Coimbatore.
9	0	3	15	0	0	1	3	0	N 84° E	N 66° E	4·9	3·9	+1·0	43	+ 3	77	+ 5	·772	+·042	2·7	+0·8	3	1·0	+2·0	1·30	0·52	+ 0·78	1·84	2·28	− 0·44	1·00	Salem.
5	3	1	2	5	3	2	2	8	N 63° W	N 86° W	4·2	1·8	+2·4	10	−40	82	− 1	·845	−·002	3·5	+1·2	1	0·3	+0·7	0·93	0·20	+ 0·73	24·22	9·70	+14·52	0·93	Cuddalore.
24	1	1	0	2	0	1	0	2	N		2·2			3		81	+ 5	·752	+·073	2·3	+0·5	2	0·3	+1·7	2·23	0·15	+ 2·08	9·90	5·75	+ 4·15	1·96	Vellore.
6	2	1	4	1	7	8	0	4	S 14° W	S 25° W	3·8	4·5	−0·7	20	−34	82	+ 3	·873	+·058	2·6	+0·2	1	0·4	+0·6	0·24	0·18	+ 0·06	13·22	7·66	+ 5·56	0·22	Madras.
1	0	1	9	16	2	0	1	1	S 59° E	S 72° E				72	+15	74	+16	·800	+·141	1·7	+0·5	2	0·1	+1·9	5·74	0·85	+ 5·69	6·88	1·59	+ 5·29	5·17	Cuddapah.
7	1	1	3	7	2	1	5	4	S 2° E	S 45° W	3·5	3·4	+0·1	10	− 1	56	+ 9	·572	+·080	2·8	+1·2	3	0·6	+2·4	1·98	0·19	+ 1·79	2·88	0·50	+ 2·38	1·04	Bellary.
4	0	2	5	3	2	3	6	1	S 27° W	E	4·2			30	+19	59	+ 6	·573	+·027	3·6	+2·5	3	0·5	+2·5	1·26	0·28	+ 0·98	3·12	0·85	+ 2·27	0·53	Kurnool.
17	0	0	0	1	10	2	0	1	S 7° W	S 32° E	1·4*	4·7	−3·3	37	−21	89	+ 8	·880	+·072	2·0	−0·8	3	0·2	+2·8	1·61	0·11	+ 1·50	14·02	4·77	+ 9·25	0·82	Nellore.
3	8	5	3	5	4	1	1	1	N 62° E	S 20° E	4·5	4·0	+0·5	30	−13	83	0	·830	−·034	4·0	+0·5	5	0·3	+4·7	3·57	0·22	+ 3·35	7·00	1·89	+ 5·11	1·25	Masulipatam.
19	8	0	1	1	0	0	0	2	N 2° E	N 52° W	4·3	4·7	−0·4	28	−15	80	+ 2	·780	+·002	4·3	+1·5	3	0·8	+2·2	2·03	0·54	+ 1·49	2·53	2·17	+ 0·36	0·96	Cocanada.
5	5	0	0	2	3	10	5	1	S 53° W	S 88° W	4·8			43	−22	73	·0	·724	−·007	3·6	+0·7	0	0·7	−0·7	0·21	0·25	− 0·14	1·68	3·13	− 1·47	0·07	Waltair (Vizagapatam).
10	2	0	0	0	2	2	7	8	N 73° W		6·3			49		77		·747		2·2		2	0·3	+1·7	2·17	0·17	+ 2·00	2·78	3·51	− 0·73	1·65	Calingapatam.
2	8	0	0	1	6	6	1	7	N 78° W	S 89° W	8·1	10·1	−2·0	30	−12	76	− 2	·740	0	2·7	+1·9	2	1·1	+0·9	1·91	0·57	+ 1·34	2·23	2·24	− 0·01	1·73	Gopalpur.
																																Bay Islands.
0	4	0	0	2	4	10	7	4	S 68° W					52		83		·835		3·4		5			3·72			4·04			2·23	P. V. Fraser.
10	6	6	3	0	0	0	0	6	N 12° E	N 22° W	3·3	3·1	+0·7	46	+ 6	77	− 7	·868	+·013	2·3	−0·4	1	1·0	0	1·31	0·77	+ 0·54	16·71	9·60	+ 7·11	1·24	Port Blair.
1	16	1	0	0	0	1	2	10	N 21° W		5·8			82		79	+ 2	·831	+·037	3·1	−2·3	0	0·5	−0·5	0	0·19	− 0·19	4·45	2·36	+ 2·09	0	Table Island.
																																Kashmir.
31	0	0	0	0	0	0	0	0	Calm		1·3			a		67		·285		2·9		6			3·55			13·97			1·78	Muzaffarabad.
8	0	1	2	13	5	0	1	1	S 39° E	S 3° W	2·5	3·5	−1·0	53	+45	84	− 4	·212	−·018	7·1	+1·0	6	7·9	−1·9	2·95	3·52	− 0·57	11·55	10·70	+ 0·85	1·52	Srinagar.
29	2	0	0	0	0	0	0	0	N		0·1			6						3·4	−2·3	3	11·1	−8·1	0·92	3·82	− 2·90	9·08	10·65	− 1·57	0·42	Dras.
25	0	0	0	1	5	0	0	0	S 7° E	S 63° W	2·3	1·5	+1·3	20	0	49†	− 3	·087†	+·009	3·9	−2·4	0	1·1	−1·1	0	0·30	− 0·30	0·52	1·18	− 0·66	0	Leh.
28	0	1	3	1	0	4	1	1	S 3° W		2·5			7		63	−10	·170	−·004	3·2	−3·4	1	3·1	−2·1	0·21	0·87	− 0·66	2·74	2·60	+ 0·14	0·10	Skardu.
26	0	0	0	1	0	3	0	1	S 45° W		0·8			10		50	+ 2	·200	+·031	4·5	−2·3	0	1·6	−1·6	0·05	0·49	− 0·44	0·61	1·02	− 0·41	0·04	Gilgit.

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

* Mean of 16 days.
† „ „ 30 „
a Indeterminate.

Table

(2) Abstract of observations taken at 8 hrs.

Number of sub-division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	Baluchistan.																						
15	Fort Sandeman	4,614	25·450		25·419	25·525	20th	25·255	23rd & 27th	·240	58·2	78·1		46·2		62·2		31·9	93·7	24th	33·1	1st	60·6
	Quetta	5,502	24·682	+·022	24·642	24·842	20th	24·596	31st	·246	45·3	69·0	+5·3	41·1	+1·9	55·0	+3·6	27·9	81·3	25th	26·3	1st	55·0
	Chaman	4,311	25·720	+·015	25·682	25·888	21st	25·589	31st	·299	56·8	68·5	+5·4	51·8	+8·5	60·1	+6·9	16·7	81·6	25th & 26th.	38·2	2nd	43·4
	Kalat	6,630	23·786		23·748	23·960	20th	23·689	10th	·271	40·7	66·0	+2·6	37·0	+4·7	51·5	+3·7	29·0	78·1	25th	20·4	1st	57·7
	Dalbandin	2,772	27·159		27·122	27·301	20th	27·004	31st	·297	57·1	82·8		52·5		67·6		30·3	94·6	25th	24·0	2nd	60·6
	Pasni		29·991		29·951	30·069	20th	29·818	22nd	·271	71·5	85·8		62·9		74·3		22·9	99·5	29th	54·4	2nd	45·1
	Panjgur		26·792		26·750	26·944	20th & 21st.	26·673	31st	·271	54·2	81·2		51·7		66·5		29·5	92·3	25th & 31st.	39·6	2nd	52·7
	Robat		26·862		26·820	27·048	21st	26·540	31st	·508	63·5	84·2		59·8		72·0		24·4	94·0	31st	47·7	1st	46·3
	Hill stations, excluding Kashmir and Baluchistan.																						
	Para Chinar	6,000	24·432	+·038	24·458	24·583	8th	24·370	23rd	·213	50·6	65·6	+7·5	41·9	+3·5	53·7	+5·5	23·7	77·8	23rd	30·1	1st	47·7
	Cherat	*4,956*	25·795	+·077	25·763	25·912	8th	25·652	23rd	·260	56·2	65·3	+4·8	50·0	+3·1	57·6	+3·9	15·3	78·1	24th	38·3	9th	39·8
	Drosh (b)		25·210			25·350	8th & 20th.	25·075	22nd	·275	48·6	65·8	+7·2	45·7	+6·4	55·7	+6·8	20·1	78·7	25th	32·0	13th	46·7
	Murree	6,333	23·904	+·069	23·872	24·008	19th	23·778	23rd	·230	50·9	57·9	+0·8	46·5	+4·4	52·1	+2·6	11·4	70·1	26th	35·8	12th	34·3
	Simla	7,232	23·157	+·067	23·119	23·263	21st	23·044	13th	·219	49·7	56·8	+1·3	44·6	+0·7	50·7	+1·0	12·2	66·4	26th	33·5	14th	32·9
	Sarain		23·213	+·058	23·175	23·315	8th	23·091	13th	·224	38·2	55·7	+2·6	32·7	+0·5	44·7	+1·5	22·0	66·5	26th	26·2	1st	40·3
	Kalabagh																						
	Chakrata	7,022																					
	Mukteswar	7,592									47·1	57·4	−2·8	42·0	−0·9	49·7	−1·9	15·4	66·9	26th	34·8	2nd	32·1
	Darjiling	7,376	23·006		22·961	23·100	20th	22·890	31st	·210	47·3	58·1	+1·8	45·1	+1·0	50·6	+1·4	15·0	66·9	22nd	38·9	7th	30·0
	Shillong	4,920	25·218	+·083	25·170	25·322	20th	25·120	31st	·202	58·3	67·9	−2·3	49·2	−1·5	58·6	−1·8	18·7	74·9	13th	42·2	9th	31·7
	Cherrapunji	4,309	25·779	+·064	25·730	25·867	20th	25·709	14th	·158	59·8	67·5	+0·4	53·9	0	60·7	+0·2	13·6	75·1	21st	48·8	7th	26·3
	Maymyo	3,546	26·528	+·058	26·473	26·622	8th	26·465	22nd	·157	60·0	79·7	−1·7	50·1	0	64·8	−0·9	29·6	84·5	25th	41·1	8th	43·4
	Pachmarhi	3,528	26·542	+·038	26·489	26·662	8th	26·433	28th	·229	68·1	80·3	−4·0	59·4	−0·6	69·8	−2·3	20·9	89·5	28th	48·1	5th	41·4
	Mount Abu	3,945	26·124	+·036	26·074	26·261	20th	26·024	23rd	·237	68·4	76·5	−0·4	61·5	+0·3	69·0	−0·1	15·0	86·7	26th	52·4	11th	34·3
	Mercara	3,781	26·310	+·042	26·243	26·363	19th	26·263	22nd	·100	70·2	84·9	+0·3	61·3	−0·3	73·1	0	23·6	89·0	25th	55·0	4th	34·0
	Ootacamund	*7,347*	23·150	+·065	23·086	23·194	19th	23·114	7th	·070	59·5	70·4	+1·1	48·0	0	59·2	+0·5	22·4	77·3	21st	40·7	3rd	36·6
	Kodaikanal	7,688	22·921	+·051	22·856	22·958	25th	22·890	7th & 23rd	·068	57·8	69·4	+0·9	51·0	+0·2	60·2	+0·5	18·4	73·4	26th	46·1	7th	27·3
	Extra India.																						
	Singapore (a)	10	29·923	−·017	29·859	29·985	20th	29·876	22nd	·109	85·6	90·5	+1·8	73·7	+0·4	82·1	+1·1	16·8	93·0	1st, 11th & 17th.	70·5	1st	22·5
	Penang (a)	17	29·937	+·017	29·879	29·990	13th	29·884	22nd	·106	83·3	92·8	+1·3	74·4	+0·4	83·6	+0·6	18·4	97·0	1st	71·5	7th	25·5
	Trincomalee	99	29·904	+·051	29·931	29·963	9th	29·856	22nd	·107	79·4	93·7	+5·6	77·7	+1·7	85·7	+3·7	16·0	99·4	28th	74·8	13th	24·6
	Colombo	24	29·976	+·044	29·925	30·016	9th	29·914	22nd	·102	75·8	90·3	+0·6	74·5	−0·5	82·4	+0·1	15·8	98·4	15th	72·2	19th	26·2
	Hambantota	62	29·940		29·930	29·990	9th	29·872	22nd	·118	76·2	88·7		75·5		82·1		13·2	90·4	29th & 31st.	73·6	4th	16·8
	Minicoy	7	30·022			30·063	8th & 9th.	29·957	22nd	·106													
	Amini Divi	*13*	30·005	+·044	29·946	30·076	8th	29·869	23rd	·207	82·7	91·2	+2·4	78·2	+0·6	84·7	+1·5	13·0	93·6	24th	70·0	7th	23·6
	Gyantse	13,120	18·478		18·439	18·638	18th	18·286	6th	·352	30·9	47·8		15·9		31·8		31·9	65·2	19th	−1·0	2nd	66·2
	Pharijong	14,400									20·7												
	Gangtok	5,687	24·498	+·029	24·453	24·599	19th	24·411	31st	·179	53·3	66·3	0	43·1	+6·4	57·2	+3·2	18·2	73·9	22nd	41·2	4th	32·7
	Gartok (b)	15,100																					

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

(a) 9 hrs. observations.

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

(b) Aneroid corrected.

B—*continued.*

at 215 stations in India, etc., in March, 1915—*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 Decr. 1914 to 31st March 1915.	Normal rainfall for period, 1st Decr. to 31st March.	Departure from normal of period, 1st Decr. 1914 to 31st March 1915.	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
																																Baluchistan.
29	0	0	0	0	0	2	0	0	S 45° W		1·7			3		63		·241		1·4		3			1·08			2·35			0·40	Fort Sandeman.
23	0	0	1	4	2	1	0	0	S 39° E	S 12° W	2·6	2·9	−0·3	20	+ 9	77§	+14	·249§	+·036	3·7	+0·4	5	5·1	−0·1	1·44	1·93	−0·49	3·48	6·78	− 3·30	0·49	Quetta.
1	0	0	15	9	4	1	0	1	S 62° E	S 31° E	4·7	7·2	−2·5	72	+21	49	− 9	·227	+·012	2·9	−1·6	4	4·7	−0·7	1·77	1·56	+0·21	3·33	5·61	− 2·28	0·73	Chaman.
30	0	0	0	0	0	1	0	0	S 45° W	S 22° W	4·1			3	−57	77‖	+13	·211‖	+·014	3·0		4	2·7	+1·3	1·12	0·94	+0·18	1·12	4·62	− 3·50	0·43	Kalat.
17	3	6	2	1	0	0	1	1	N 36° E		4·3			30		54		·249		2·7		3			0·80			1·45			0·38	Dalbandin.
15	2	0	0	0	0	1	11	2	N 78° W		6·1			43		51		·642		2·0		2			0·49			4·08			0·33	Pasni.
13	0	14	3	0	0	0	0	0	N 52° E*		4·3			56		73		·311		2·3		1			1·87			2·37			1·78	Panjgur.
10	0	0	0	0	0	8	12	1	S 75° W		5·3			59		51		·306		0·3		1			0·30			0·95			0·28	Robat.
																																Hill stations, excluding Kashmir and Baluchistan.
31	0	0	0	0	0	0	0	0	Calm		1·2			(a)		62	− 2	·228	+·024	3·0	−1·5	7	9·2	−2·2	3·59	4·37	− 0·78	8·25	9·77	− 1·52	1·57	Para Chinar.
4	20	1	0	0	1	1	1	3	N 8° W	N 10° W	6·0	10·4	−4·4	69	+13	54	− 3	·242	+·033	4·7	+0·5	4	6·3	−2·3	6·07	3·89	+ 2·18	15·82	11·19	+ 4·63	2·86	Cherat.
24	0	2	5	0	0	0	0	0	N 78° E		3·6			20		54	−15	·182	−·016	4·2	−0·5	6	7·0	−1·0	2·42	3·12	− 0·70	4·27	5·94	− 1·67	1·19	Drosh.
7	3	1	1	4	0	0	0	3	N.38° E†	S 33° E	4·8‡	6·6	−1·8	21	−11	48	− 8	·171	−·006	4·0	−0·8	5	7·0	−2·0	6·51	4·37	+ 2·24	17·74	14·18	+ 3·56	2·91	Murree.
																47	+ 2	·163	+·018	2·8	−1·3	7	4·6	+2·4	3·60	2·44	+ 1·16	11·73	9·63	+ 2·10	0·82	Simla.
																80	+12	·185	+·013	3·1	−1·9	9	7·4	+1·6	6·12	4·01	+ 2·11	22·75	21·10	+ 1·65	2·64	Sarain.
										N 13° E		5·2											4·6			2·63			12·80			Kalabagh. Chakrata.
6	0	0	8	2	1	2	12	0	S 47° W		6·0			20		63	+17	·204	+·041	3·1	−0·5	7	3·5	+3·5	3·38	1·55	+ 1·83	9·76	7·30	+ 2·46	0·94	Mukteswar.
28	0	0	0	0	0	3	0		W	S 37° E	1·6	5·5	−3·9	10	− 1	78	+ 5	·250	+·003	5·9	+2·3	7	3·6	+3·4	1·92	1·77	+ 0·15	5·49	3·62	+ 1·57	0·89	Darjiling.
12	1	0	0	2	6	7	2	1	S 31° W		2·2			43		61	+ 9	·294	+·035	4·3	+2·0	9	5·3	+3·7	3·91	2·13	+ 1·78	7·47	3·93	+ 3·54	0·81	Shillong.
2	2	2	3	1	3	8	8	2	S 65° W		6·1			37		69	− 1	·343	−·016	4·9	+1·2	8	7·0	+1·0	6·77	8·60	− 1·83	11·46	11·91	− 0·45	2·53	Cherrapunji.
29	0	0	0	0	0	2	0	0	S 45° W		1·3			3		80	+10	·417	−·005	2·2	+0·6	2	1·1	+0·9	0·87	0·49	+ 0·38	2·67	1·18	+ 1·49	0·76	Maymyo.
4	1	0	4	9	4	3	1	5	S 26° E	N 3° W	3·8	3·7	+0·1	30	+26	54	+18	·362	+·091	1·8	+0·1	5	0·9	+4·1	3·18	0·38	+ 2·80	5·87	2·12	+ 3·75	1·33	Pachmarhi.
3	1	7	0	3	1	3	2	6	N 73° W	N 23° W	4·5	5·3	−0·8	17	−12	44	+ 8	·287	+·055	1·8	−0·2	2	0·4	+1·6	0·58	0·14	+ 0·44	1·40	0·93	+ 0·47	0·33	Mount Abu.
9	1	8	9	1	0	0	2	1	N 62° E	N 22° E	2·5	2·7	−0·2	46	+24	63‡	− 6	·453‡	−·032	2·3	−0·9	1	1·8	−0·8	0·21	0·72	− 0·51	2·42	1·93	+ 0·49	0·15	Mercara.
4	0	0	7	13	5	1	0	1	S 46° E		3·2			66		63	+16	·318	+·080	2·2	+0·3	5	2·2	+2·8	3·34	0·85	+ 2·42	6·83	5·91	+ 0·92	1·75	Ootacamund.
0	3	8	8	8	0	1	1	2	N 77° E		7·5			53		61	+14	·287	+·058	1·5	−0·3	7	3·2	+3·8	3·47	2·15	+ 1·32	17·56	11·20	+ 6·36	0·93	Kodaikanal.
																																Extra India.
12	1	12	2	3	1	0	0	0	N 63° E					46						4·8	+0·3	9	9·8	−0·8	4·34	7·55	− 3·21	26·50	36·80	− 10·30	1·25	Singapore.
0	8	4	8	5	2	0	3	1	N 60° E		5·6			43								10	6·8	+3·2	5·90	4·30	+ 1·60	14·77	21·17	− 6·40	1·43	Penang.
7	0	9	0	1	0	12	1	1	S 56° W	S 37° W	4·5	4·1	+0·4	10	−13	84	− 1	·838	−·024	4·8	+2·1	2	2·2	−0·2	1·20	1·49	− 0·29	25·31	23·34	+ 1·97	0·60	Trincomalee.
15	1	15	0	0	0	0	0	0	N 43° E	S 58° E	2·9	3·9	−1·0	49	+17	95	+16	·844	−·007	9·1	+6·0	8	5·7	+2·3	10·29	4·20	+ 6·09	17·23	15·42	+ 1·81	5·22	Colombo.
0	20	6	1	0	0	0	0	4	N 5° E		8·4			89		91		·824		3·2		3			1·38	1·89	− 0·51	15·47	11·93	+ 3·54	0·73	Hambantota.
0	18	6	1	3	1	0	0	2	N 16° E	N 20° W	3·0			71	+14					3·1	+0·3	1	1·7	−0·7	0·90	0·95	− 0·05	11·10	6·59	+ 4·51	0·90	Minicoy.
2	15	5	0	1	0	0	2	6	N 5° W		5·9	3·9	+2·0	71		74	+ 1	·828	−·018	3·4	+0·2	1	0·1	+0·9	0·18	0·05	+ 0·13	5·92	1·56	+ 4·36	0·18	Amini Divi.
8	1	0	3	12	7	0	0	0	S 36° E		6·1			61		86		·147		1·3		0			0			0·20**			0	Gyantse.
0	5	4	4	8	4	2	2	2	S 76° E		5·0			26								2			0·25			0·61			0·12	Phartjong.
30	0	0	0	0	1	0	0	0	S		1·5			3		82	+ 8	·332	+·023	1·5	−0·7	12	8·5	+3·5	5·98	5·12	+ 0·86	9·03	9·55	− 0·52	1·09	Gangtok.
																																Gartok.

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

(a) Indeterminate.

* 1 wind less.
† 12 winds less.

‡ Mean of 19 days.
§ " " 28 "
" " 27 "

** Rainfall for January wanting.

Table

(2) Abstract of observations taken at 8 hrs.

Number of sub-division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	Extra India—*concld.*																						
	Kashgar (*c*)	4,255	25·627			25·950	23rd	25·370	31st	·580	43·8	63·6	+7·4	37·6	+1·5	50·7	+4·5	26·0	79·3	28th	21·5	1st	57·8
	Kabul (*c*)		24·254	—·021		24·380	26th	24·190	4 days	·190	41·7	73·8	+16·7						87·2	26th			
	Meshed	3,104	26·747		29·934	26·976	21st	26·535	15th	·441	46·0	66·0	+9·9	41·4	+5·2	53·7	+7·5	24·6	78·0	15th	32·0	2nd	46·0
	Jask	13	29·976	+·003	29·941	30·127	21st	29·778	31st	·349	71·5	83·7	+4·5	69·3	+2·7	76·5	+3·6	14·4	93·3	29th	63·1	6th	30·2
	Muscat	20	30·010	+·030	29·978	30·129	21st	29·825	31st	·304	77·4	86·3	+7·9	74·0	+2·0	80·2	+4·9	12·3	99·3	31st	67·3	4th	32·0
	Bahrein	18																					
	Bushire	14	29·981	—·007	29·957	30·126	21st	29·691	30th	·435	64·0	73·4	+1·0	60·3	+1·3	66·8	+1·1	13·1	85·7	19th	48·4	8th	37·3
	Busrah	25	29·959	—·075	26·952	30·150	8th	29·726	29th	·424	63·5	81·5	+7·9	56·8	+0·5	69·2	+4·2	24·7	92·5	12th	42·3	6th	49·2
	Kerman		24·524			24·720	21st	24·315	31st	·405	52·9*	70·4		47·2*		58·8*		23·2	81·0	23rd	25·8	10th	45·2
	Ispahan (*a*) †	*5,817*	24·234	—·006		24·460	21st	23·980	7th	·480	44·3	60·6	+2·9	40·7	+4·2	52·1	+3·5	22·9	70·4	13th	32·2	9th	38·2
	Tehran (*a*)*	*4,002*																					
	Baghdad	127																					
	Beirut (*b*)																						
	Aden	94	29·902	+·005	29·930	29·963	12th	29·746	7th	·217	76·7	82·5	−1·1	75·4	0	78·9	—0·5	7·1	89·6	26th	68·9	4th	20·7
	Zanzibar	72	29·966	+·056	29·963	30·047	25th	29·897	7th	·150	83·1	87·9	+1·2	80·3	+0·9	84·1	+1·1	7·6	93·8	8th	76·6	28th	17·2

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

* Mean of 30 days.
† 7 hrs. observations.

B—*concluded.*

at 215 stations in India, etc., in March, 1915—*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 Dec. 1914, to 31st March 1915.	Normal rainfall for period, 1st December, to 31st March.	Departure from normal of period, 1st Dec. 1914 to 31st March 1915.	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—*concld.*
19	1	6	0	3	0	0	0	2	N 45° E	N 1° W	1·7	1·8	−0·1	26		53		·150		5·8		0	0·8	−0·8	0	0·37	−0·37	0·67	0·73	−0·06	0	Kashgar.
0	1	0	1	1	1	8	9	10	N 87° W	N 80° W				65	+48	86	+10	·233	+·047	1·3	−2·9	5	7·1*	−2·1	3·28	4·05	−0·77	3·28	7·49	−4·21	1·21	Kabul.
27	2	0	0	1	1	0	0	0	N 71° E		1·9			4		80	+ 2	·253	+0·29	6·7	+1·4	9	5·1	+3·9	3·68	2·32	+1·46	4·88	4·81	+0·07	1·25	Meshed.
0	2	1	13	1	0	2	1	11	N 28° E	N 23° E	9·0	8·0	+1·0	30	− 6	75	+ 6	·576	+·115	3·4	+0·9	0	1·7	−1·7	0	0·77	−0·77	0·15	3·69	−3·54	0	Jask.
6	2	0	2	3	1	3	0	14	N 50° W	N 72° W	3·1	3·4	−0·3	33	+ 3	62	− 6	·569	−·014	2·0	−0·2	1	1·9	−0·9	0·10	0·76	−0·66	1·28	3·24	−1·96	0·10	Muscat.
																							11·1			0·38			2·15			Bahrein.
6	5	4	4	1	1	1	3	6	N 2° W	N 41° E	6·4	6·2	+0·2	31	− 9	81	+ 3	·496	+·067	6·1	+2·2	4	2·2	+1·8	4·05	0·91	+3·14	6·43	8·90	−2·47	2·03	Bushire.
0	5	2	7	3	2	2	7	3	N		4·2			9		83		·490		0		0	2·1	−2·1	0	1·09	−1·09	0†	4·13	−4·13	0	Busrah.
29	0	0	0	0	0	0	2	0	W		5·1			3		63*		·231*		4·1		3			0·94			1·44			0·50	Kerman.
21	1	0	1	0	0	3	5	0	S 81° W	S 82° W	1·8	4·6	−2·8	19	−25	66	+ 1	20·1	+·033	5·2	+1·8	4	3·4	+0·6	2·64	1·13	+1·51	8·16	2·99	+0·17	1·75	Ispahan.
										N 14° E		2·8											5·6			1·93			5·94			Tehran.
										N 11° W		2·9											3·6			1·41			4·99			Baghdad.
																																Beirut.
6	3	21	1	0	0	0	0	0	N 42° E	N 82° E	15·5	11·5	+4·0	76	− 3	79	+ 2	·729	−·004	3·7	−1·2	0	0·8	−0·8	0	0·65	−0·65	0	1·54	−1·64	0	Aden.
15	1	3	0	4	5	3	0	0	S 23° E	S 27° E	2·9	3·9	−1·0	26	+ 4	79	− 3	·893	−·001	5·9	−0·1	10	8·3	+1·7	6·02	6·01	+0·01	12·89	17·33	−4·44	1·90	Zanzibar.

* Mean of 30 days.

† Rainfall for December 1914 and January 1915 wanting.

Table C.—Abstract of observations taken at 8 hrs. at 62 fourth and fifth class stations in India, etc., in March, 1915.

Table

Abstract of observations taken at 8 hrs. at 62 fourth

Number of sub-division.	Station.	Temperature of air.													Wind direction.										
		Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.	Number of winds from: 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.—Assam.																								
9	Balek	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Bishnath	64·4	81·5	−0·5	59·2	+4·0	70·3	+1·7	22·3	90·6	22nd.	52·7	10th	37·9	...	...	...	...	...	...	...	...	...	...	...
	Borjuli	67·2	82·5	−0·8	58·7	+1·7	70·6	+0·5	23·8	91·3	22nd	53·8	1st	37·5	...	...	...	...	...	...	...	...	...	...	...
	Chandkhira	66·5	89·8	+2·0	56·9	−0·5	73·3	+0·7	32·9	99·1	22nd	49·3	9th	49·8	...	...	...	...	...	...	...	...	...	...	...
	Doom Dooma	61·3	79·7	+5·7	58·5	+2·0	69·1	+3·9	21·2	89·3	23rd	52·2	9th	37·1	...	...	...	...	...	...	...	...	...	...	...
	Dikom	63·6	79·8	+1·5	59·1	+1·7	69·5	+1·6	20·7	89·8	23rd	51·8	10th	38·0	...	...	...	...	...	...	...	...	...	...	...
	Golaghat	64·3	79·9	−0·4	59·0	...	69·5	...	20·9	88·9	23rd	52·6	8th	35·3	...	...	...	...	...	...	...	...	...	...	...
	Hailakandi	69·5	85·7	0	61·0	+0·8	73·3	+0·4	24·7	95·0	22nd	54·8	10th	40·2	...	...	...	...	...	...	...	...	...	...	...
	Jorehat	64·5	81·4	+1·1	60·0	+1·3	70·7	+1·2	21·4	88·9	23rd	54·3	8th	34·6	...	...	...	...	...	...	...	...	...	...	...
	Lumding	62·6	83·1	...	57·2	...	70·1	...	25·9	90·7	22nd	51·0	10th	39·7	...	...	...	...	...	...	...	...	...	...	...
	Messa	72·2	86·2	−0·9	56·1	+0·9	71·1	0	30·1	92·7	23rd	51·2	10th	41·5	...	...	...	...	...	...	...	...	...	...	...
	Panerihat	59·4	85·8	+4·0	53·4	−1·8	69·6	+1·1	32·4	89·1	4 days	50·8	4th	38·3	...	...	...	...	...	...	...	...	...	...	...
	III.—Bengal.																								
5	Comilla	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Brahmanbaria	72·3	87·2	−0·3	62·8	−1·1	75·0	−1·0	24·4	95·8	21st	55·1	9th	40·7	...	...	...	...	...	...	...	...	...	...	...
	Faridpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Goalundo	73·0	89·8*	+0·1	62·1	+1·0	75·9d	+0·5	27·7	97·3	24th	54·5	10th	42·8	...	...	...	...	...	...	...	...	...	...	...
	Pabna	73·0	88·8	[illegible]	63·3	+6·6	78·5	+1·9	20·5	98·0	24th	61·6	5th	36·4	...	...	...	...	...	...	...	...	...	...	...
	Sirajganj	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Rampur Boalia	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Malda	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Rangpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Dam Dim	64·4	88·9	+3·2	55·4	+2·3	72·1	+2·7	33·5	95·2	22nd	47·0	7th	48·2	...	...	...	...	...	...	...	...	...	...	...
	Kalchini	70·4	84·0	+0·3	56·6	+1·5	70·3	+0·9	27·4	89·1	23rd	50·0	7th	39·1	...	...	...	...	...	...	...	...	...	...	...
	Nagrakata	71·5	85·3	+1·7	57·2	−2·0	71·3	−0·1	28·1	90·1	5 days	52·0	9th	38·1	...	...	...	...	...	...	...	...	...	...	...
	Cooch Behar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Krishnagar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Bankura	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Raniganj (Asansol)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	IV.—Bihar and Orissa.																								
7	Hazaribagh	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	Bhagalpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Muzaffarpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Motihari	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Chapra	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Arrah	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Dehri	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

* Mean of 30 days.

C.

and fifth class stations in India, etc., in March, 1915.

Wind velocity.			Wind steadiness.		Hygrometry, 8 hrs.				Cloud.		Rainfall.										
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, 1914 to 31st March, 1915.	Normal rainfall of period, 1st December to 31st March.	Departure from normal of period, 1st December, 1914 to 31st March, 1915.	Heaviest rainfall during month.	Station.
27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
																					II.—Assam.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Balek.
...	...	...	...	...	91	− 1	·548	+ ·028	...	...	4	4·8	− 0·8	2·17	2·61	− 0·44	4·79	4·96	− 0·17	0·55	Bishnath.
...	...	...	...	...	90	+12	·602	+ ·115	...	...	6	4·0	+ 2.0	1·59	1·85	− 0·26	4·06	3·33	+ 0·73	0·45	Borjuli.
...	...	...	...	...	89	+ 2	·582	− ·004	...	...	5	3·8	+ 1·2	3·25	2·64	+ 0·61	6·72	5·67	+ 1·05	0·95	Chandkhira.
...	...	...	...	...	90	− 4	·488	− ·036	...	...	10	10·2	− 0·2	4·40	5·59	− 1·19	7·62	10·04	− 2·42	1·81	Doom Dooma.
...	...	...	...	...	90	− 1	·528	+ .020	...	...	10	9·3	+ 0·7	5·02	5·03	− 0·01	7·62	8·98	− 1·36	2·70	Dikom.
...	...	...	...	...	94	+ 7	·567	+ ·047	...	...	8	5·8	+ 2·2	2·95	2·45	+ 0·50	5·20	4·94	+ 0·26	0·82	Golaghat.
...	...	...	...	...	84	− 3	·597	+ ·060	...	...	4	6·7	− 2·7	1·62	4·15	− 2·53	5·48	7·89	− 2·41	0·50	Hailakandi.
...	...	...	...	...	91	+ 5	·552	+ ·035	...	...	8	6·8	+ 1·2	3·07	3·07	0	5·70	5·30	+ 0·40	0·55	Jorehat.
...	...	...	...	...	93	...	·526	...	...	...	8	5·4	+ 2·6	3·61	2·16	+ 1·45	7·94	3·59	+ 4·35	0·87	Lumding.
...	...	...	...	...	74	− 3	·585	+ ·046	...	...	5	3·8	+ 1·2	2·85	2·00	+ 0·85	5·02	3·57	+ 1·45	1·62	Messa.
...	...	...	...	...	98	+17	·497	+ ·082	...	...	4	5·7	− 1·7	1·64	3·10	− 1·46	4·39*	4·57	− 0·18	0·58	Panerihat.
																					III.—Bengal.
...	...	...	...	...	...	...	...	...	...	...	4	3·4	+ 0·6	3·31	2·76	+ 0·55	7·03	4·28	+ 2·75	1·55	Comilla.
...	...	...	...	...	73	− 6	·576	− ·073	...	...	4	4·2	− 0·2	6·06	2·52	+ 3·54	9·80	4·15	+ 5·65	4·38	Brahmanbaria.
...	...	...	...	...	...	...	...	...	...	...	7	2·8	+ 4·2	7·85	1·91	+ 5·94	11·52	3·72	+ 7·80	3·04	Faridpur.
...	...	...	...	...	71	− 5	·561	− ·052	...	...	6	2·2	+ 2·8	4·93	1·88	+ 3·05	6·63	3·42	+ 3·21	2·83	Goalundo.
...	...	...	...	...	88	+13	·715	+ ·125	...	...	3	2·8	+ 0·2	1·77	1·23	+ 0·54	2·70	2·93	− 0·23	0·88	Pabna.
...	...	...	...	...	...	...	...	...	...	...	3	2·1	+ 0·9	0·99	1·37	− 0·38	1·98	2·63	− 0·65	0·67	Sirajganj.
...	...	...	...	...	...	...	...	...	...	...	5	2·0	+ 3·0	5·62	1·12	+ 4·50	6·62	2·16	+ 4·46	2·22	Rampur Boalia.
...	...	...	...	...	...	...	...	...	...	...	2	1·3	+ 0·7	0·70	0·75	− 0·05	1·77	2·42	− 0·65	0·47	Malda.
...	...	...	...	...	...	...	...	...	...	...	1	1·9	− 0·9	0·28	1·33	− 1·07	2·23	2·38	− 0·15	0·13	Rangpur.
...	...	...	...	...	87	− 1	·525	+ ·049	...	...	7	3·3	+ 3·7	1·58	1·70	− 0·12	5·30	3·27	+ 2·53	0·39	Dam Dim.
...	...	...	...	...	71	− 3	·542	+ ·005	...	...	8	3·3	+ 4·7	3·33	1·60	+ 1·73	5·86	3·32	+ 2·54	0·86	Kalchini.
...	...	...	...	...	63	− 9	·472	+ ·018	...	...	6	4·5	+ 1·5	2·40	2·13	+ 0·27	5·15	4·50	+ 0·65	1·22	Nagrakata.
...	...	...	...	...	...	...	...	...	...	...	4	3·0	+ 1·0	6·24	1·99	+ 4·25	8·16	2·96	+ 5·20	5·25	Cooch Behar.
...	...	...	...	...	...	...	...	...	...	...	6	2·2	+ 3·8	4·42	1·52	+ 2·90	5·63	3·30	+ 2·33	1·58	Krishnagar.
...	...	...	...	...	...	...	...	...	...	...	6	2·0	+ 4·0	3·35	1·08	+ 2·27	4·24	2·67	+ 1·57	1·40	Bankura.
...	...	...	...	...	...	...	...	...	...	...	4	1·9	+ 2·1	1·05	1·07	− 0·02	1·94	2·63	− 0·69	0·57	Raniganj (Asansol).
																					IV.—Bihar and Orissa.
...	...	...	...	...	...	...	...	...	...	...	2	2·0	0	1·02	1·01	+ 0·01	6·48	3·07	+ 3·41	0·94	Hazaribagh.
...	...	...	...	...	...	...	...	...	...	...	4	1·2	+ 2·8	1·02	0·56	+ 0·46	3·01	1·97	+ 1·04	0·37	Bhagalpur.
...	...	...	...	...	...	...	...	...	...	...	2	1·1	+ 0·9	1·00	0·48	+ 0·52	2·31	1·66	+ 0·65	0·75	Muzaffarpur.
...	...	...	...	...	...	...	...	...	...	...	2	0·8	+ 1·2	1·95	0·45	+ 1·50	3·71	1·65	+ 2·06	1·30	Motihari.
...	...	...	...	...	...	...	...	...	...	...	2	0·9	+ 1·1	0·52	0·35	+ 0·17	2·51	1·74	+ 0·77	0·20	Chapra.
...	...	...	...	...	...	...	...	...	...	...	3	1·0	+ 2·0	0·55	0·45	+ 0·10	2·94	2·07	+ 0·87	0·20	Arrah.
...	...	...	...	...	...	...	...	...	...	...	2	1·1	+ 0·9	0·31	0·48	− 0·17	4·58	2·10	+ 2·48	0·16	Dehri.

* Rainfall for December 1914 wanting.

Table

Abstract of observations taken at 8 hrs. at 62 fourth

Number of sub-division.	Station.	Temperature of air.													Wind direction.										
		Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.	Number of winds from: 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
	V.—United Provinces of Agra and Oudh.																								
10	Meerut	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Dehra Dun	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	IX.—Rajputana.																								
18	Udaipur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	XII.—Central Provinces.																								
23	Chhindwara	70·2	87·5	...	62·2	...	74·8	...	25·3	97·9	28th	55·2	5th	42·7	27	0	1	1	0	0	0	2	0	N 20° W	...
	XIII.—Hyderabad.																								
	Parbhani	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	XV.—Madras.																								
31	Tinnevelly	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
32	Anantapur	80·8	97·7	...	72·5	...	85·1	...	25·2	104·5	27th	65·4	9th	39·1	...	...	...	...	...	...	...	...	...	...	...
33	Guntur	78·4	93·2	...	73·0	...	83·1	...	20·2	100·1	29th	66·4	3rd	33·7	...	...	...	...	...	...	...	...	...	...	...
	Bay Islands.																								
1	Car Nicobar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Kashmir.																								
13	Jammu	67·1	79·5	...	59·2	...	69·4	...	20·2	91·1	28th	50·3	2nd	40·8	0	12	17	2	0	0	0	0	0	N 30° E	...
	Sonamarg	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Kargil	22·7	41·1	...	11·9	...	26·5	...	29·2	62·1	31st	−7·0	4th	69·1	0	9	0	1	1	11	7	0	2	S 86° W	...
	Baluchistan.																								
15	Harnai	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Hill stations, exclusive of Kashmir.																								
	Panighatta	68·4	82·1	−1·1	61·6	+0·6	71·9	−0·3	20·5	91·5	24th	53·6	1st	37·9	...	...	...	...	...	...	...	...	...	...	...
	Kurseong	57·9	64·3	−2·6	53·1	0	58·7	−1·3	11·2	74·3	23rd	46·1	5th	28·2	...	...	...	...	...	...	...	...	...	...	...
	Gnatong	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Lachung	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Ringim	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Mussooree	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Poo	...	54·5	+5·8	35·2	+4·1	44·9	+4·9	19·3	65·1	23rd	27·5	1st	37·6	17	0	0	0	0	0	5	9	0	S 77° W	...
	Kailang	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Bakloh	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Pishin	...	71·5	+6·4	42·1	+6·2	56·9	+6·3	29·1	83·4	26th	24·0	1st	59·4	...	...	...	...	...	...	...	...	...	...	...

C—*continued.*

and fifth class stations in India, etc., in March, 1915—*continued.*

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, 1914 to 31st March 1915.	Normal rainfall of period, 1st December to 31st March.	Departure from normal of period, 1st December, 1914 to 31st March 1915.	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
																					V.—United Provinces of Agra and Oudh.
...	...	...	...	...	...	...	...	...	...	...	3	1·4	+1·6	1·67	0·55	+1·12	6·95	3·14	+3·81	1·21	Meerut.
...	...	...	...	...	...	...	...	...	...	...	6	2·2	+3·8	2·63	0·98	+1·65	10·98	6·45	+4·53	1·15	Dehra Dun.
																					IX.—Rajputana.
...	...	...	...	...	...	...	...	...	...	...	3	0·2	+2·8	0·71	0·07	+0·64	2·82	0·42	+2·40	0·33	Udaipur.
																					XII.—Central Provinces.
1·9	...	...	4	...	66	...	·491	...	3·1	...	7	...	...	2·19	...	...	3·70	...	...	0·66	Chhindwara.
																					XIII.—Hyderabad.
...	...	...	...	...	...	...	...	...	...	...	5	0·3	+4·7	5·22	0·18	+5·04	8·52	0·53	+7·99	1·52	Parbhani.
																					XV.—Madras.
...	...	...	...	...	...	...	—	...	...	...	2	1·9	+0·1	0·33	1·06	—0·73	21·01	6·72	+14·29	0·22	Tinnevelly.
...	...	...	...	...	69	...	·723	...	1·9	...	2	0·3	+1·7	1·04	0·09	+0·95	1·21	0·36	+0·85	0·63	Anantapur.
...	...	...	...	...	87	...	·843	...	1·0	...	4	0·7	+3·3	7·86	0·58	+7·28	10·09	1·71	+8·38	3·88	Guntur.
																					Bay Islands.
...	...	...	...	...	...	...	...	...	...	...	2	2·7	—0·7	2·15	1·50	+0·65	27·89	13·57	+14·32	1·15	Car Nicobar.
																					Kashmir.
...	...	...	9	...	53	...	·354	...	1·6	...	4	3·7	+0·3	6·00	1·77	+4·23	10·86	8·95	+1·91	3·50	Jammu.
...	...	...	...	...	...	...	...	...	...	...	7	15·7	—8·7	2·59	16·75	—14·16	33·38	43·60	—10·22	0·90	Sonamarg.
...	...	...	45	...	90	...	·123	...	3·0	...	1	4·7	—3·7	0·42	1·82	—1·40	3·10	4·70	—1·60	0·36	Kargil.
																					Baluchistan.
...	...	...	...	...	...	...	...	...	...	...	5	2·7	+2·3	2·40	1·27	+1·13	3·88	4·68	—0·80	0·87	Harnai.
																					Hill stations, exclusive of Kashmir.
...	...	...	...	...	62	+7	·495	+·032	...	...	6	3·5	+2·5	4·02	1·95	+2·07	8·05	3·51	+4·54	2·34	Panighatta.
...	...	...	...	...	84	+23	·408	+·118	...	...	6	3·7	+2·3	2·41	2·35	+0·06	6·45	4·69	+1·76	0·64	Kurseong.
...	...	...	...	...	...	...	...	...	...	...	17	...	...	7·83	...	...	12·73*	...	...	1·05	Gnatong.
...	...	...	...	...	...	...	...	...	...	...	14	...	...	3·62	...	...	10·27	...	...	0·50	Lachung.
...	...	...	...	...	...	...	...	...	...	...	8	...	...	3·77	...	...	4·16*	...	...	0·98	Ringim.
...	...	...	...	...	...	...	...	...	...	...	6	4·2	+1·8	4·88	1·99	+2·89	20·51	8·73	+11·78	2·93	Mussooree.
...	...	...	42	...	...	...	...	...	3·0	—1·8	3	6·5	—3·5	1·51	3·49	—1·98	6·14	8·58	—2·44	0·95	Poo.
...	...	...	...	...	...	...	...	...	...	...	7	7·1	—0·1	1·72	3·84	—2·12	9·60	10·51	—0·91	0·49	Kailang.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Bakloh.
...	...	...	...	...	...	...	...	...	1·8	...	2	5·1	—3·1	1·01	2·17	—1·13	3·10	6·79	—3·69	0·66	Pishin.

* Rainfall since 1st February 1915. † Rainfall for February 1915 wanting.

Table

Abstract of observations taken at 8 hrs. at 62 fourth

Number of sub-division.	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.	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 (a)	...	75·5	...	61·2	...	68·4	...	14·3	76·4	2nd	54·8	6th	21·6	...	...	...	...	...	...	...	...	...	...	...
	Chumbi (d)	36·0	52·8	...	33·3	...	43·1	...	19·5	60·1	27th	29·6	25th	30·5	...	...	...	...	...	...	...	...	...	...	...
	Kirmanshah	44·2	58·0	3	37·5	...	47·7	...	20·5	69·0	2nd	34·0	7th	45·0	...	...	...	...	...	...	...	...	...	...	...
	Koweit	...	65·1	...	60·6	...	62·9	...	4·5	75·4	28th	48·2	8th	27·2	3	0	2	11	0	0	1	14	0	N 63° W	...
	Muhammerah	...	77·8	...	59·7	...	68·8	...	18·1	84·2	11th & 12th.	49·0	6th	35·2	0	0	1	0	10	0	4	0	10	(c) S 45° W	...
	Pemba	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Prison Island	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Seistan	...	79·9	...	53·1	...	66·5	...	26·8	93·0	31st	40·0	2nd	53·0	18	3	0	0	0	0	0	0	10	N 35° W	...

(a) Mean of 26 days. (d) Mean of 10 days. (c) 6 winds variable.

C—*concluded.*

and fifth class stations in India, etc., in March, 1915—*concluded.*

Wind velocity.			Wind steadiness.		Hygrometry, 8 hrs.				Cloud.		Rainfall.										
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. 1914 to 31st March 1915.	Normal rainfall of period, 1st Dec. to 31st March.	Departure from normal of period, 1st December 1914 to 31st March 1915.	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.
...	...	...	...	...	...	...	...	...	1·0	...	...	...	...	...	...	...	...	...	...		Ahwaz.
...	...	...	...	...	81	...	·170	...	...	...	2	...	...	0·60	...	...	1·52*	...	...	0·26	Chumbi.
...	...	...	...	...	72	...	·209	...	...	...	11	...	...	3·90	...	...	13·26	...	...	0·92	Kirmanshah.
...	...	...	6	...	...	...	...	...	2·6	...	1	...	...	0·72	...	...	1·83	...	...	0·57	Koweit.
...	...	...	10	...	...	...	...	...	...	...	1	...	...	0·70	...	...	2·30	...	...	0·70	Muhammerah.
...	...	...	...	...	...	...	...	...	...	...	12	7·3	+4·7	4·49	5·44	—0·95	11·99	17·49	—5·50	...	Pemba.
...	...	...	...	...	...	...	...	...	...	...	...	6·7	...	...	5·77	...	...	15·43	...	...	Prison Island.
5·3	...	...	39	...	...	...	...	...	...	...	1	...	...	0·75	...	...	0·94	...	...	0·75	Seistan.

* Rainfall for January 1915 wanting.

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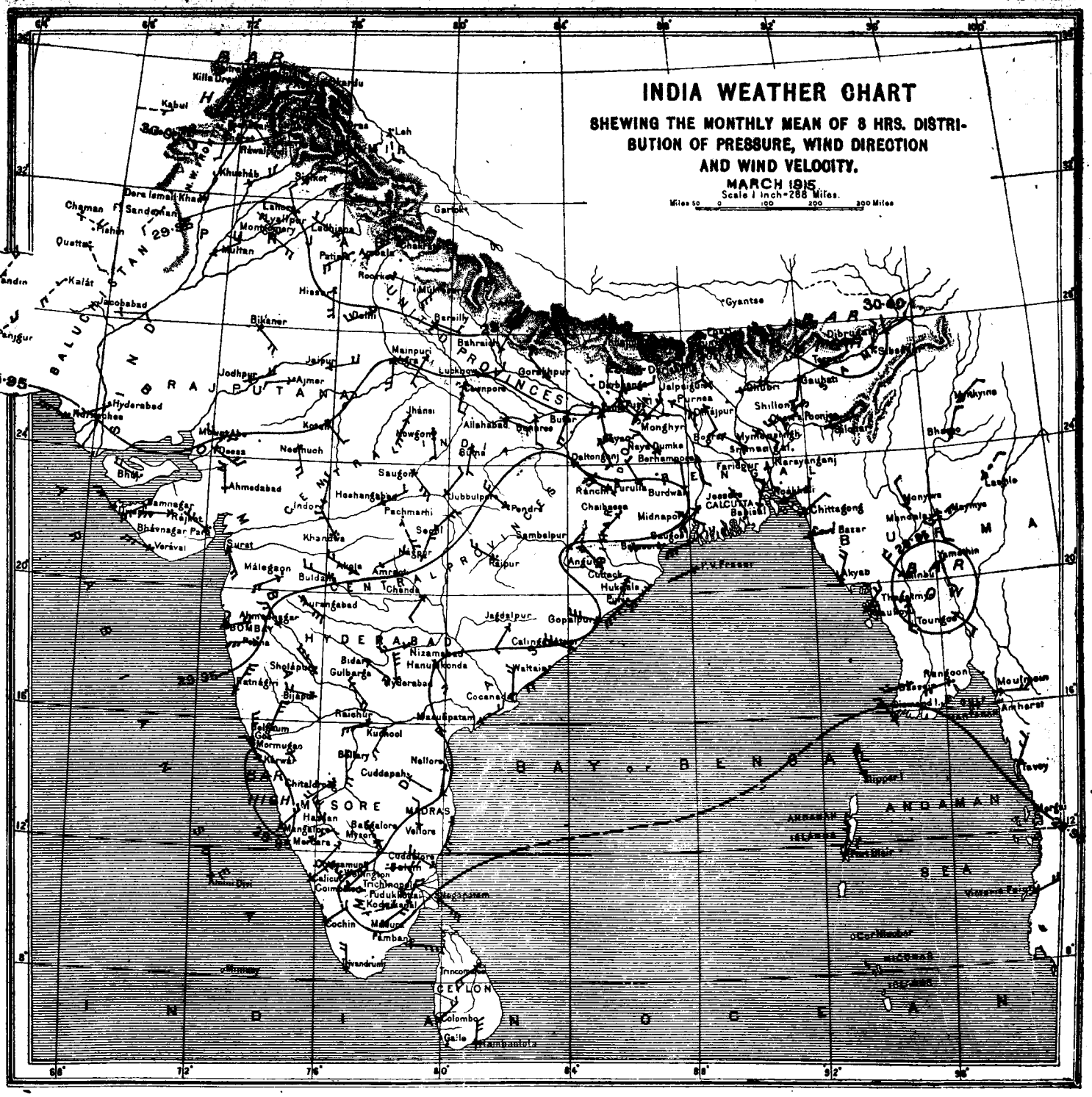
8, HASTINGS STREET

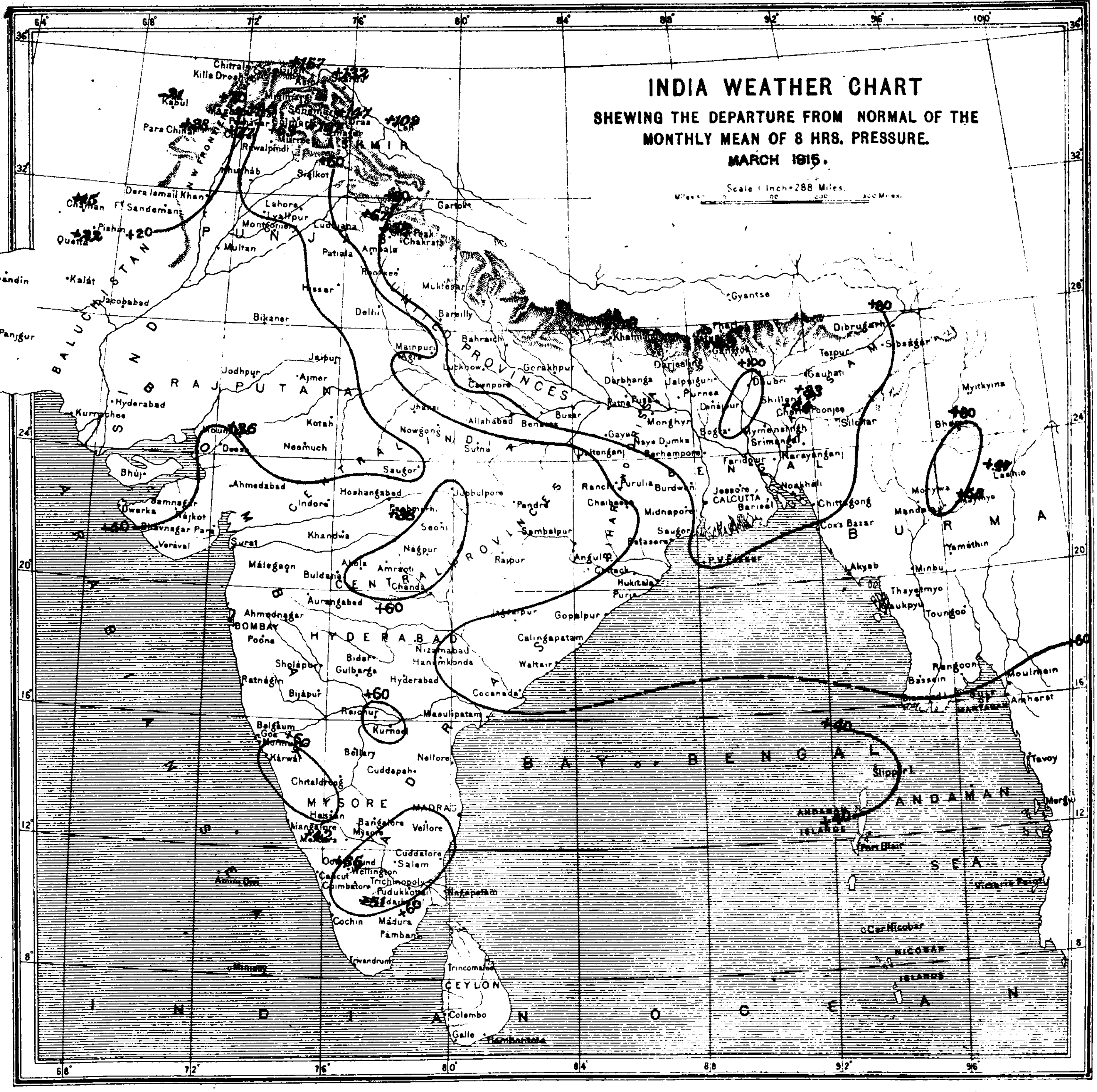


The lines of the above chart represent isobars or lines of equal barometric pressure, the numbers attached indicating the barometric pressure in inches and being drawn for differences of pressure of ·05 inch. The isobars in the Bay of Bengal are filled in by means of the shore observations, and by comparison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

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

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

Wind strengths are based on factor 2·2 for the standard type of Beckley Robinson anemograph, instead of 3·0 as used for this plate up to December 1911 inclusive.



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.

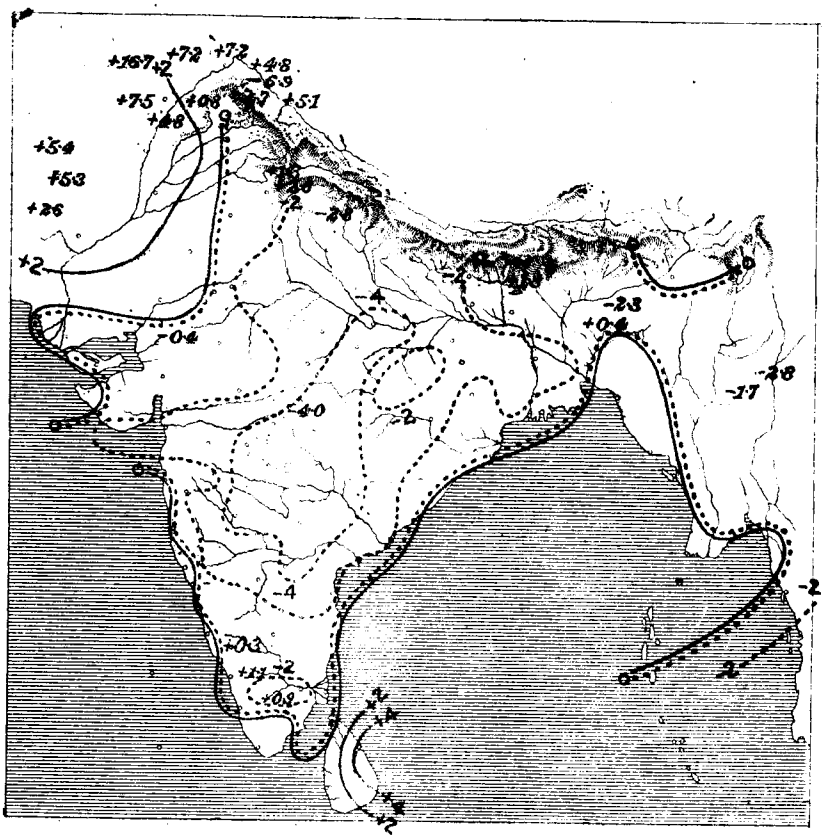


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MINIMUM TEMPERATURE.

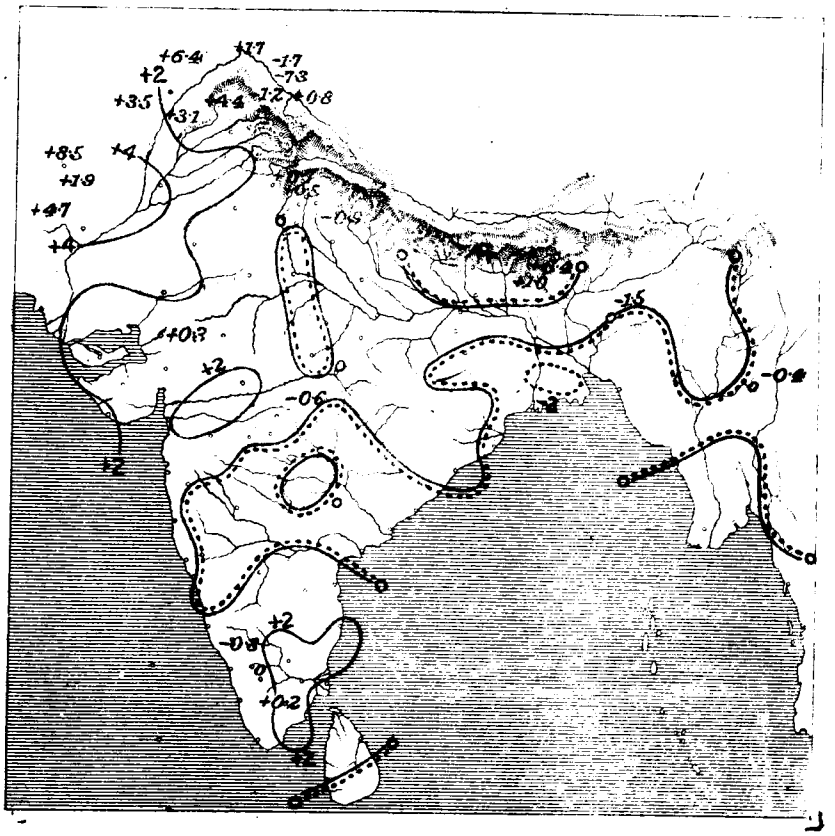


CHART SHEWING THE DEPARTURE FROM NORMAL
OF THE MONTHLY MEAN OF DAILY
MEAN TEMPERATURE.

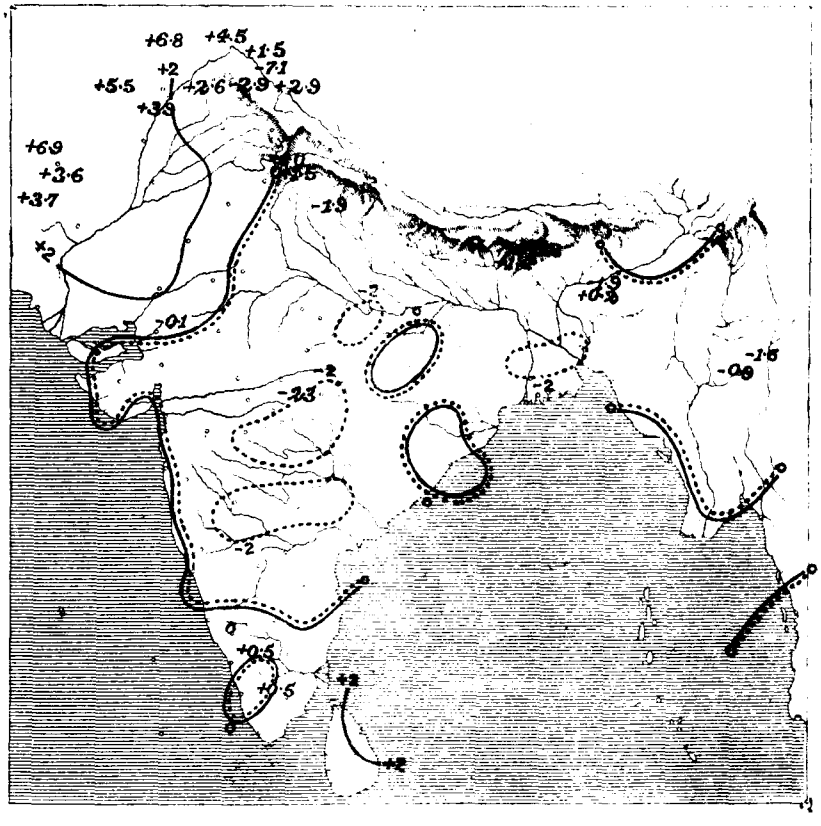


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF ABSOLUTE HUMIDITY AT 8 HRS.

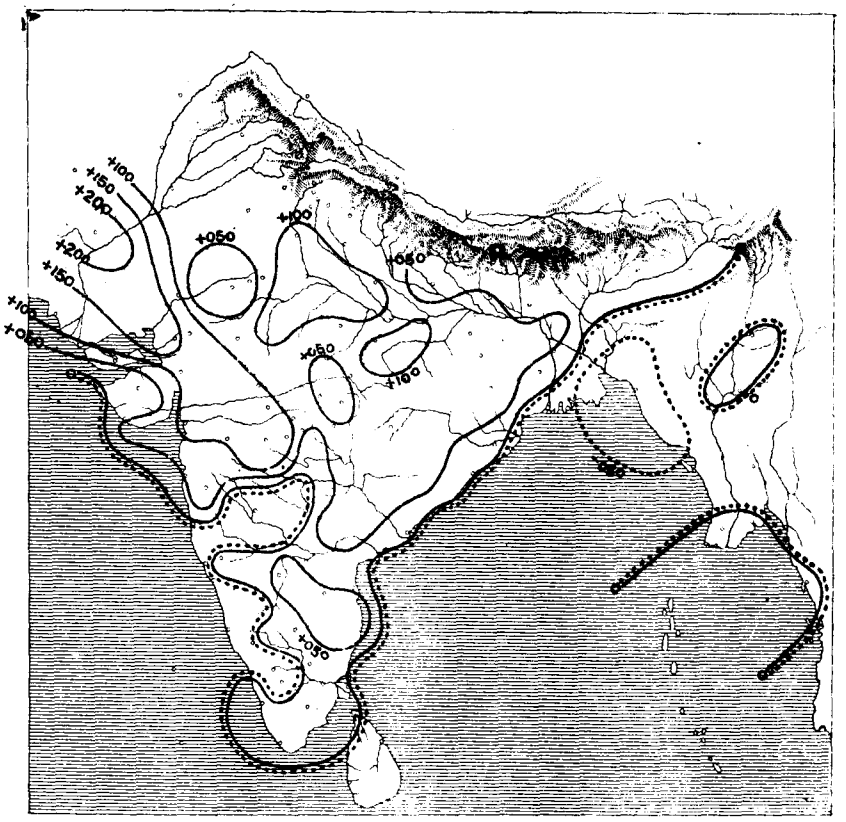


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF RELATIVE HUMIDITY AT 8 HRS.

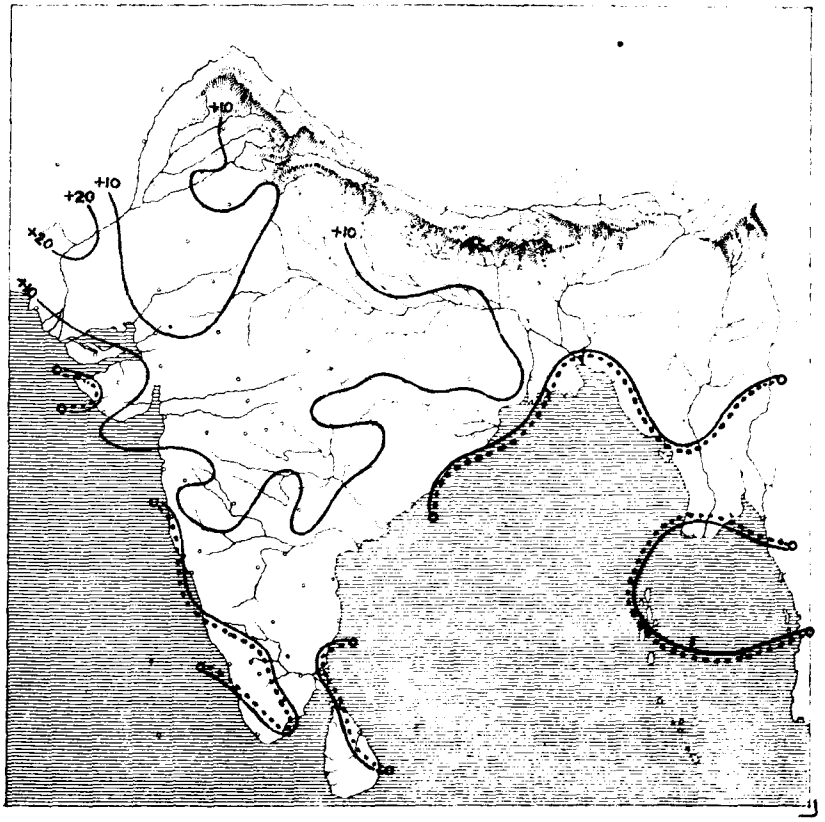


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF CLOUD AMOUNT AT 8 HRS.

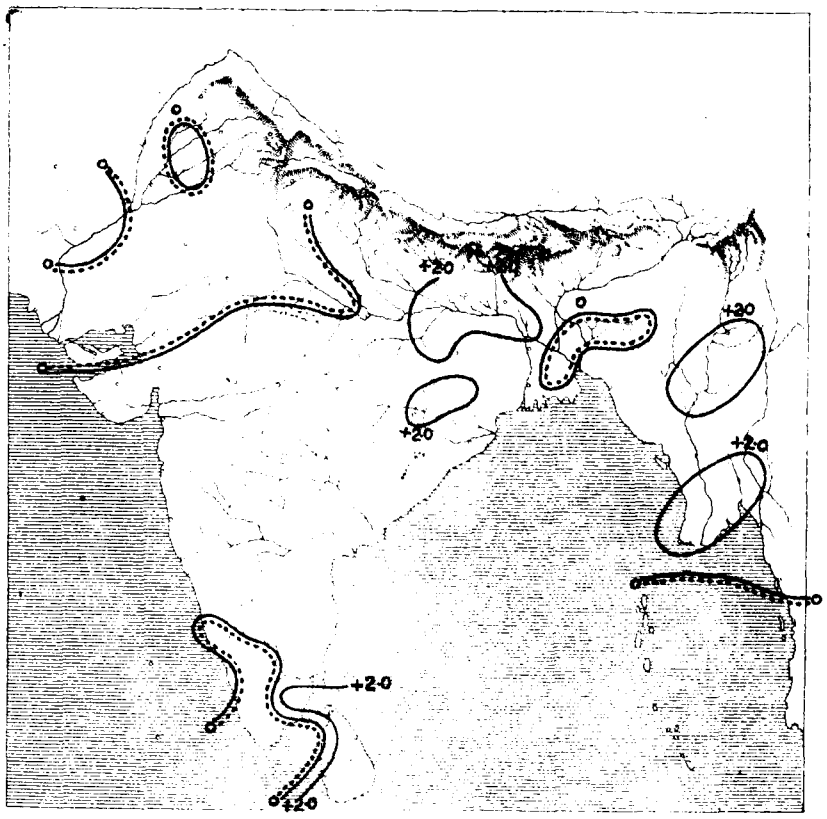
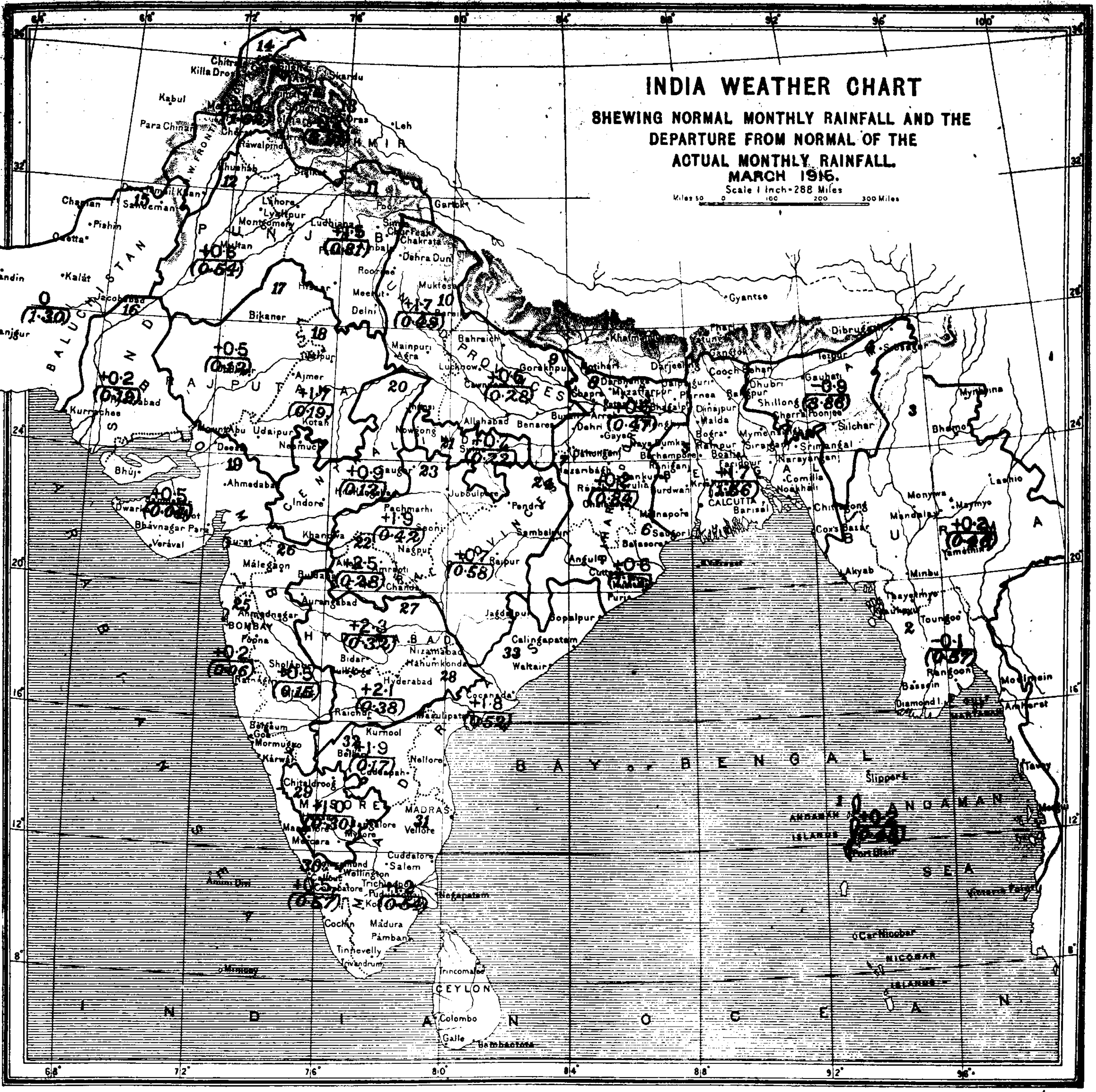


CHART SHEWING THE TOTAL NUMBER OF DAYS IN THE MONTH ON WHICH RAINFALL EQUALLED OR EXCEEDED 0·10 INCH.

(BASED ON THE RETURNS OF TABLE B.)



The country is divided into 33 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. Bengal
6. Orissa
7. Chota Nagpur
8. Bihar
9. United Provinces, East
10. United Provinces, West
11. Punjab, East and North
12. Do., Southwest
13. Kashmir
14. Northwest Frontier Province
15. Baluchistan
16. Sind
17. Rajputana, West
18. Rajputana, East
19. Gujarat
20. Central India, West
21. Do., East
22. Berar
23. Central Provinces, West
24. Do., East
25. Konkan
26. Bombay, Deccan
27. Hyderabad, North
28. Hyderabad, South
29. Mysore
30. Malabar
31. Madras, Southeast
32. Madras, Deccan
33. Madras Coast, North

GOVERNMENT OF INDIA

METEOROLOGICAL DEPARTMENT

MONTHLY WEATHER REVIEW

APRIL 1915.

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* Copies for the years 1876, 1878 to 1881, 1884, 1887 and 1890 are out of print.

† Copies for the years 1891 to 1905 are out of print.

‡ Published continuously about four months after date. Copies for 1891—97, January, 1898, January, 1899, to May, 1902, January to November (June excepted), 1906, and January and March, 1904, are out of print.

Continued on page iii of this cover.

GOVERNMENT OF INDIA.

METEOROLOGICAL DEPARTMENT.

MONTHLY WEATHER REVIEW

PUBLISHED BY ORDER OF

THE GOVERNMENT OF INDIA.

CALCUTTA, APRIL, 1915.

INTRODUCTION.

THIS review of the weather in India during the month of April, 1915, is based on observations taken daily at 8 hrs. at 215 stations, and on additional observations taken at 10 hrs. and 16 hrs. at 14 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, magnetic and seismic 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 exceedingly disturbed during the first fortnight over the greater part of north-west India owing to the advance into that area from the west of three disturbances of the cold weather type, and in the Simla Hills snow fell down to unusually low levels as late as the 7th. In north-east India the influx of damp air from the head of the Bay was of less volume than usual, but in Burma and the Peninsula the conditions were, on the whole, very nearly normal.

The rainfall of the month was in marked excess in Kashmir, the North-West Frontier Province and Baluchistan and was appreciably above the average also in Upper Burma, the Punjab, Sind, Berar, Central Provinces West, Bombay and the Madras Coast North ; over the rest of the country it was either nearly normal or in defect, the most important deficiencies occurring in the Bay Islands and Assam.

The sky was remarkably free from cloud in Assam, Bengal, Mysore, Madras and Kashmir, and was clouded to an unusual extent in Rajputana, Gujarat, Bombay, Central India, the Central Provinces and Burma. Humidity was approximately normal everywhere with the exception of Baluchistan, the North-West Frontier Province, the Punjab and Sind. Temperature departed from the normal by less than 2° in all the provinces.

Solar, magnetic and seismic disturbances.

KODAIKANAL OBSERVATORY.

3. *Solar Observations.*—Solar observations were made on all the days during the month.

Sun spots.—Eighteen new groups of spots were recorded, being the same number as in January, February and March. The daily average number was 3·1 as against 3·7 in March and the average life of a spot was 5·5 days. There were two days when the visible disc of the sun was free from spots.

The distribution of the spots in latitude was as follows :—

TABLE 1.

—	0°—10°	11°—20°	21°—30°	Mean latitude.	Extreme latitudes.
North . . .	1	4	2	16·°1	1° & 24°
South . . .	...	4	7	22·°2	15° & 28°

Prominences.—Eighty-nine large, four eruptive and six metallic prominences were recorded during the month. The highest recorded was detached cloud observed on the 28th at a distance of 330″ from the limb.

Magnetic disturbances.—One "great" disturbance was recorded from the 8th to 9th and a "moderate" disturbance from the 26th to 27th.

J. EVERSHED, *Director,*

Kodaikanal and Madras Observatories.

Seismic records.

$\phi = 10° 13' 50''$; $\lambda = 77° 28' 00''$; $h = 234$m. *Subsoil* Rock.

Apparatus.—Milne's Horizontal Pendulum Seismograph.

TABLE 2.

	V	To	ϵ	$\frac{r}{To^2}$
AN:				
AE:	9·76	17·8	1	2·4
AZ:				

Date.	Phase.	Time, G. M. T.	Period (Sec.)	Amplitude (u). An.	Ae.	Az.	Distance Δ (Km.)	Remarks.
1915. Apl. 3rd	e P	h. m. s. 13 48 06	...	...	...	...	...	
	e L	13 51 24	...	...	...	...	...	
	M	13 57 06	...	...	125	...	...	
	F	14 28 12	...	...	...	...	...	
„ 3rd	e P	21 20 30	...	...	...	...	...	
	e L	21 24 36	...	...	...	...	...	
	M	21 28 42	...	...	40	...	...	
	F	22 25 06	...	...	...	...	...	
„ 16th	P							No. P. Ts.
	e L	14 6 00	...	...	...	...	...	
	M	14 7 30	...	...	30	...	...	
	F	14 19 36	...	...	...	...	...	
„ 17th	e P	9 48 36	...	...	...	...	...	Widening of line.
	F	9 51 12	...	...	...	...	...	
„ 22nd	e P	19 1 00	...	...	...	...	...	
1915. Apl. 22nd	e L	h. m. s. 19 3 36	...	...	70	...	...	
	M	19 7 06	...	...	...	...	...	
	F	19 39 12	...	...	...	...	...	
„ 23rd	e P	16 9 30	...	...	...	...	...	Widening of line.
	F	16 16 24	...	...	...	...	...	
„ 28th	e P	3 33 42	...	...	...	...	...	
	e L	3 36 48	...	...	...	...	...	
	M	3 39 36	...	...	40	...	...	
	F	4 3 36	...	...	...	...	...	
„ 30th	e P	2 4 54	...	...	...	...	...	
	i L	2 6 48	...	...	...	...	...	
	M	2 7 18	...	...	50	...	...	
	F	2 18 12	...	...	...	...	...	

S. SITARAM AIYAR,

Acting Assistant Director.

BOMBAY OBSERVATORY.

Alibag magnetic record.

4. During the month of April 1915, the traces showed 9 calm days, 19 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, 10th, 13th, 24th and 25th.

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

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

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 the declination for the month are as follow :—

Easterly declination	0° 41′ 28″
Horizontal force	0·36877 C.G.S. unit.
Vertical force	0·16665 C.G.S. unit.
Inclination	24° 19′·1
Horizontal force range	0·00054 C.G.S unit.
Horizontal force summed range	0·00355 C.G.S. unit.
Declination range	4′·6.
Declination summed range	17′·8.

(NOTE.—Summed range means sum without regard to sign of the twenty-four ordinates of the diurnal inequality).

Seismic records.

ϕ = 18° 53′ 36″; λ = 72° 48′ 56″; h = 11 m. *Subsoil* Trap.

Apparatus.—Milne's Horizontal Pendulum Seismograph.

TABLE 4.

	V	To	ϵ	$\frac{r}{To^2}$
AN :				
AE :	9	21	1	
AZ :				

Date.	Phase.	Time, G. M. T.	Period (Sec.)	Amplitude (u). An.	Ae.	Az	Distance Δ (Km.)	Remarks.
1915.		h. m. s.						
Apl. 3rd	P	.....	...	...	...	...	...	Beginning mixed in tremors.
	M	14 1 21	...	...	56	...	...	
	F	.....	...	...	...	...	...	End mixed in tremors.
„ 22nd	P	19 5 58	...	...	...	...	...	
	M	19 11 43	...	...	56	...	...	
	F	19 24 20	...	...	...	...	...	
„ 25th	...	3 54 0	...	...	...	...	...	Thickening of line.
„ 27th	...	18 54 0	...	...	...	...	...	„
„ 28th	P	3 28 26	...	...	...	...	...	
	M	3 35 59	...	...	56	...	...	
	F	3 50 36	...	...	...	...	...	

One disturbance at about 2h. on 30th is masked by tremors.

Sensibility to tilt 1·0 mm. of amplitude on the trace = 0·29″ from 1st to 12th and 0·31″ from 13th to 30th.

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

5. CALCUTTA (ALIPORE) OBSERVATORY.

The Seismograph dismantled.

6. SIMLA OBSERVATORY.

The Simla Seismograph notes will appear in a future number of the Monthly Weather Review.

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

TABLE 5.

Place at which felt.	Date.	G. M. T. of earthquake.		Duration.	Intensity Rossi-Forel scale.	No. of shocks.
		h.	m.	sec.		
Drosh	Apl. 1st	19	18	10	5	1
Shillong	„ 10th	8	35	1	5	1
„	„ 13th	18	50	1	6	1
„	„ 26th	20	16	3	5	1
„	„ 27th	22	46	2	4	Tremors.
Poo (Simla District)	„ 28th	18	15	6	[illegible]	2
Cuttack	„ 30th	26	35	3	3	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	1·48
Minimum	1·42
Mean	1·45
Number of days of observation	3

G. C. SIMPSON,
Offg. Director General of Observatories.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

7. No information has been received.

Weather in the Indian Ocean.

8. At the equatorial stations pressure was normal, and on the mean of the month the winds were of average strength at Seychelles and decidedly weak at Zanzibar, while at the former station their direction was abnormal, being south-east by east instead of almost due north which is normally the case. Rainfall was about 25 per cent. in excess at Seychelles, but that at Zanzibar was nearly 30 per cent., below the normal. At Mauritius pressure was in slight defect.

TABLE 6.

—	Mauritius.	Zanzibar.	Seychelles.
Departure from normal of mean pressure	—·019	—·001	+·002
Actual mean wind direction . .	S 72° E	S 25° W	S 59° E
Normal mean wind direction . .	S 72° E	S 15° W	N 8° E
Actual mean wind velocity (miles per diem).	144	80	78
Normal mean wind velocity (miles per diem).	192	125	82
Rainfall departure from normal . .	—2·22	—4·23	+1·92

Depressions and cyclonic storms.

9. Four disturbances in all occurred in northern India in the course of the month, the first on the 1st, the second from 3rd to the 8th, the third between the 9th and the 13th and the fourth from the 26th to the 28th. According to the available evidence the first three advanced from Persia, while the fourth although not a direct continuation of a Persian depression was intimately connected with the disturbed conditions prevailing at the time in Persia and therefore belonged to the same type. Barometrically all of them were shallow, but while the first and the fourth produced rain only in the extreme north of India, the second and the third gave rise to precipitation over the whole of the mountain zone of upper India as well as locally in the plains of the Punjab and of the United Provinces.

Pressure.

10. The high pressure conditions which had characterized March persisted through April for which month barometric pressure in the plains of India as a whole was ·043″ above the normal.

As temperature over India was below the normal by small amounts only, it is clear that the excess of pressure was not merely a temperature effect as recorded at the earth's surface.

TABLE 7.

DIVISION.	Departure from normal of mean 8 hrs. pressure.
	″
Burma	+·034
Assam	+·032
Bengal	+·040
Bihar and Orissa	+·042
United Provinces	+·055
Punjab	+·044
North-West Frontier Province	+·027
Sind	+·060
Rajputana	+·043
Bombay	+·043
Central India	+·045
Central Provinces	+·050
Hyderabad	+·043
Mysore	+·031
Madras	+·033

The vertical distribution was rather irregular: thus in the extreme north of India on the one hand and in southern India on the other there was but little difference between the departures for the plains and those for the hills; in Rajputana and the Central Provinces the excess was slightly greater in the plains than at the level of the neighbouring hills, while in the Sind-Baluchistan region there was a large defect at the hill stations relatively to the plains. It is thus evident that the condition which gave rise to the widespread excess of pressure exerted its influence chiefly in the lower layers of the atmosphere.

TABLE 8.

HILL STATION.	Departure from normal pressure. A	PLAIN STATION.	Departure from normal pressure. B	Departure of pressure difference. B—A
	″		″	″
Quetta . . .	—·007	Jacobabad . .	+·056	+·063
Leh . . .	+·055	Lahore . . .	+·046	—·009
Murree . . .	+·042	Peshawar . .	+·036	—·006
Simla . . .	+·056	Ludhiana . .	+·059	+·003
Mount Abu . .	+·038	Deesa . . .	+·064	+·026
Pachmarhi . .	+·035	Khandwa . .	+·053	+·018
Kodaikanal . .	+·031	Madura . .	+·031	0

Temperature.

11. Maximum temperature was between 2° and 5° in defect in the United Provinces, the Punjab South-west, Baluchistan, the North-West Frontier Province, Central India East, Berar and the Central Provinces West and was in excess by 2½° in Kashmir. Minimum temperature inclined to be high generally, but the magnitude of the departures was in almost all cases small.

Deviations from normal of mean temperature for the month were generally inappreciable, in few places reaching 2°.

TABLE 9.

Subdivision.	Actual temperature.					Departure from normal of		
	Mean maximum.	Mean minimum.	Monthly mean of mean between maximum and minimum.	Mean daily range of temperature.	Absolute range during month.	Maximum.	Minimum.	Daily range.
	°	°	°	°	°	°	°	°
1. Bay Islands	91·5	79·5	85·5	12·0	16·7	+0·5	+0·4	+0·1
2. Lower Burma	93·0	76·1	84·5	16·8	25·8	—0·9	+0·1	—1·0
3. Upper Burma	97·1	72·5	84·8	24·7	38·8	—0·6	+0·1	—0·7
4. Assam	86·0	68·7	77·3	17·3	32·9	+0·4	+1·0	—0·6
5. Bengal	93·9	74·0	84·0	19·9	34·6	+0·2	+0·2	0
6. Orissa	98·9	76·6	87·7	22·3	34·6	+0·7	+0·2	+0·5
7. Chota Nagpur	100·9	73·3	87·1	27·6	40·7	+0·5	+0·6	—0·1
8. Bihar	98·2	72·2	85·1	26·0	39·3	—0·9	+0·1	—1·0
9. United Provinces, East	98·7	72·3	85·5	26·5	43·5	—2·5	+1·0	—3·5
10. Do., West	97·6	70·9	84·2	26·7	45·5	—2·6	0	—2·6
11. Punjab, East and North	93·9	67·1	80·5	26·9	49·6	—1·2	+0·9	—2·1
12. Do., South-west	93·5	67·7	80·1	25·9	50·8	—2·2	+1·3	—3·5
13. Kashmir	62·3	39·5	50·9	22·8	42·6	+2·6	+1·5	+1·1
14. North-West Frontier Province	86·9	63·5	75·2	23·4	49·5	—2·5	+0·7	—3·2
15. Baluchistan	78·9	54·8	66·9	24·0	51·1	—4·8	+1·6	—6·4
16. Sind	94·3	71·2	82·7	23·1	45·6	—1·3	—0·8	—0·5
17. Rajputana, West	99·3	73·1	86·3	26·1	49·1	—1·1	—0·6	—0·5
18. Do., East	98·7	74·3	86·5	24·4	44·4	—1·5	+1·3	—2·8
19. Gujarat	95·9	72·6	84·3	23·3	39·0	—1·8	0	—1·8
20. Central India, West	98·4	70·3	84·3	28·1	45·5	—1·6	+0·5	—2·1
21. Do., East	99·5	71·9	85·7	27·6	43·9	—2·1	+0·4	—2·5
22. Berar	101·0	74·5	87·7	26·4	40·9	—2·5	—1·2	—1·3
23. Central Provinces, West	99·9	72·8	86·3	27·1	42·1	—2·8	—0·3	—2·5
24. Do., East	100·5	73·7	87·1	26·8	39·5	—0·8	—0·3	—0·5
25. Konkan	89·7	77·9	83·8	11·8	19·6	+0·4	+0·1	+0·3
26. Bombay Deccan	99·9	71·6	85·8	28·3	39·0	—0·9	+0·4	—1·3
27. Hyderabad, North	100·1	74·3	87·2	25·9	36·0	—1·3	—0·6	—0·7
28. Do., South	101·7	77·1	89·3	24·6	39·2	—0·5	—0·1	—0·4
29. Mysore	94·6	70·3	82·5	24·3	31·9	+0·5	+0·7	—0·2
30. Malabar	91·0	78·5	84·7	12·6	19·1	+0·5	+0·3	+0·2
31. Madras, South-east	96·4	77·7	87·1	18·6	27·5	—0·2	+0·6	—0·3
32. Do. Deccan	103·9	79·7	91·8	24·2	34·7	—0·4	+0·9	—1·3
33. Do. Coast, North	93·6	77·4	85·5	16·2	27·3	+0·1	—0·3	+0·4

TABLE 10.

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

Winds.

12. (*a*) Winds were neither so strong nor so steady as usual in Burma, Bengal and Sind, while they were even more variable than is ordinarily the case in Assam and Central India. They were on the other hand unusually strong and steady in the Punjab and Rajputana.

(*b*) The direction of wind was less southerly than usual in lower Bengal, and unusually easterly in the submontane districts of the Punjab.

TABLE 11.

Division.	Departure from normal of	
	Hourly wind velocity.	Wind steadiness.
Burma	—0·5	— 7
Assam	—0·1	— 7
Bengal	—1·3	—11
Bihar and Orissa	+0·4	— 2
United Provinces	+0·1	0
Punjab	+0·6	+ 7
North-West Frontier Province	—0·3	+ 7
Sind	—0·6	—·5
Rajputana	+1·0	+21
Bombay	—0·4	0
Central India	—0·3	— 7
Central Provinces	+0·6	0
Hyderabad	0	— 2
Mysore	+0·1	+ 3
Madras	+0·3	+ 5

Humidity and cloud.

13. Over the United Provinces, the Punjab, the North-West Frontier Province, Sind, Baluchistan, the Himalayas and the east of Central India a slight excess occurred both in relative humidity and vapour tension, and in Bihar and Orissa a slight defect; elsewhere conditions were nearly normal.

Cloud was in marked defect in Assam, Bengal, Kashmir Mysore and Madras, and was largely in excess in Bombay, Central India, the Central Provinces and Gujarat and to a less degree in Hyderabad and most parts of north-west India.

TABLE 12.

DIVISION.	HYGROMETRY; 8 HRS.				CLOUD.	
	Mean humidity.	Departure from normal.	Mean vapour tension in inches of mercury.	Departure from normal in inches of mercury.	Mean cloud amount at 8 hrs.	Departure from normal.
	%					
Burma	73	+ 1	·765	—·003	3·9	+ 0·7
Assam	83	— 2	·690	+ ·007	3·9	— 1·6
Bengal	78	0	·806	+ ·001	3·1	—1·1
Bihar and Orissa	54	— 5	·581	—·043	2·2	—0·1
United Provinces	45	+ 3	·483	+ ·037	1·8	+ 0·2
Punjab	51	+ 5	·457	+ ·043	2·6	+ 0·3
North-West Frontier Province.	69	+ 10	·520	+ ·049	3·7	+ 0·5
Sind	62	+ 6	·615	+ ·043	2·3	+ 0·4
Rajputana	33	0	·359	— ·005	2·7	+ 0·8
Bombay	58	— 1	·616	— ·025	3·1	+ 1·2
Central India	39	+ 4	·413	+ ·011	3·0	+ 1·1
Central Provinces	38	+ 3	·423	+ ·008	2·8	+ 1·0
Hyderabad	49	— 1	·571	—·015	2·7	+ 0·7
Mysore	68	— 1	·627	—·014	1·8	—1·7
Madras	73	0	·852	+ ·008	2·9	—0·7

Rainfall.

14. The month's rainfall was deficient in the Bay Islands, Assam, Bengal, Bihar and Orissa, Rajputana, Central Provinces East, Hyderabad South and Madras, excluding the north coast, and was normal or in excess over the rest of the country. The excess was most marked in the region comprising Baluchistan, the North-West Frontier Province and Kashmir (2½″ or 145 per cent.), while the greatest actual defect occurred in Assam (1½″ or 16 per cent.).

TABLE 13.

SUBDIVISION.	NUMBER OF RAINY DAYS.		RAINFALL.			
	Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
			″	″	″	
1. Bay Islands	1·5	2·9	0·81	1·83	—1·02	— 56
2. Lower Burma	2·2	2·1	1·46	1·50	—0·04	— 3
3. Upper Burma	2·7	2·3	1·39	1·14	+ 0·25	+ 22
4. Assam	9·9	12·0	7·92	9·39	—1·47	— 16
5. Bengal	3·2	4·2	2·47	3·08	—0·61	— 20
6 Orissa	1·8	2·8	0·98	1·68	— 0·70	— 42
7. Chota Nagpur	0·9	1·9	0·35	0·95	— 0·60	— 63
8. Bihar	0·5	1·3	0·23	0·65	—0·42	— 65
9. United Provinces, East	0·7	0·5	0·23	0·20	+ 0·03	+ 15
10. Do., West	1·0	0·7	0·33	0·28	+ 0·05	+ 18
11. Punjab, East and North	1·5	1·1	0·62	0·50	+ 0·12	+ 24
12. Punjab, South-west	1·9	1·1	0·71	0·44	+ 0·27	+ 61
13. Kashmir	6·4	5·0	5·46	3·05	+ 2·41	+ 79
14. North-West Frontier Province	6·5	3·1	4·38	1·50	+ 2·88	+ 192

Sub-division.	Number of rainy days.		Rainfall.			
	Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
			"	"	"	
15. Baluchistan	4·4	1·5	2·57	0·52	+2·05	+394
16. Sind	0·9	0·3	0·35	0·11	+0·24	+218
17. Rajputana, West	0	0·6	0·01	0·22	—0·21	— 95
18. Do., East	0·5	0·5	0·14	0·22	—0·08	— 36
19. Gujarat	0·1	0·1	0·07	0·03	+0·04	+133
20. Central India, West	0·9	0·4	0·23	0·15	+0·08	+ 53
21. Do., East	0·9	0·7	0·29	0·36	—0·07	— 19
22. Berar	2·5	0·7	0·83	0·25	+0·58	+232
23. Central Provinces, West	1·3	0·8	0·47	0·36	+0·11	+ 31
24. Do., East	1·4	1·9	0·58	0·98	—0·40	— 41
25. Konkan	1·4	0·7	0·71	0·40	+0·31	+ 77
26. Bombay Deccan	2·4	1·4	1·05	0·70	+0·35	+ 50
27. Hyderabad, North	2·1	1·3	0·62	0·54	+0·08	+ 15
28. Do., South	1·6	1·8	0·56	0·84	—0·28	— 33
29. Mysore	3·2	2·8	1·69	1·56	+0·13	+ 8
30. Malabar	4·3	4·3	2·62	2·90	—0·28	— 10
31. Madras, South-east	2·1	2·3	1·33	1·51	—0·18	— 12
32. Do. Deccan	1·3	1·4	0·52	0·69	—0·17	— 25
33. Do. Coast, North	2·0	1·7	1·19	0·98	+0·21	+ 21

TABLE 14.

Division.	Rainfall.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Burma	1·42	1·29	+0·13	+ 10
Assam	7·92	9·39	—1·47	— 16
Bengal	2·47	3·08	—0·61	— 20
Bihar and Orissa	0·45	0·98	—0·53	— 54
United Provinces	0·29	0·24	+0·05	+ 21
Punjab	0·64	0·49	+0·15	+ 31
North-West Frontier Province	4·38	1·50	+2·88	+192

Division.	Rainfall.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Sind	0·35	0·11	+0·24	+218
Rajputana	0·09	0·22	—0·13	— 59
Bombay	0·67	0·43	+0·24	+ 56
Central India	0·26	0·26	0	0
Central Provinces	0·61	0·57	+0·04	+ 7
Hyderabad	0·59	0·69	—0·10	— 14
Mysore	1·69	1·56	+0·13	+ 8
Madras	1·31	1·38	—0·07	— 5
Mean of India	1·10	1·15	—0·05	— 4

Snowfall.

I.—AFGHANISTAN.

15. On the hills around Kabul there were two falls of snow, one about a foot and the other about 2 feet deep, but the heavy rain which followed on both occasions washed them away.

At the end of the month about half a foot snow was said to be lying on the Hindu Kush ranges and on the summits of the Paghman and Qilla Qazi hills.

II.—North-West Frontier Province.

(*a*) *Wano.*—About 2 feet of snow fell on the Pirghal, Bosh and Drenashtar, but it melted away rapidly.

(*b*) *Kurram.*—There were snowstorms on the Sufed Koh on the 1st, 2nd, 5th, 6th, 11th and 12th. At the close of the month about 1½ feet snow still lay unmelted on the Agam pass and 1 foot on the Paiwar Kotal.

(*c*) *Kohat.*—No snow fell.

III.—Kashmir.

The statement below shows the character of snowfall in this area :—

Table 15.

Locality.	Number of days on which snow fell.	Aggregate amount of snowfall.	Remarks.
Hills around Srinagar	2	...	Not known.
Dras	9	2 feet.	Owing to heavy rain on the 28th snow accumulations almost disappeared.
Hills near Skardu	2	½ foot.	
Hills around Kargil	7	Not known	Accumulations on the surrounding hills at the end of the month believed to be about 7 feet in depth.
Astor	2	2 feet.	

IV.—Punjab.

(*a*) *Kangra.*—There was some untimely snowfall, but no details are available.

(*b*) *Kilba* (*Simla Hills*).—Feeble snowstorms occurred on the 5th, 6th, 7th, 10th, 11th, 13th, 14th, 21st, 22nd, 27th and 28th. The snowline came down to 8,000 feet on the 6th and 7th. At the end of the month the unmelted residue of snow accumulations was estimated at 5 feet on the Rupin pass, 8 feet on the Brua pass and 9 feet on the Shatul pass.

V.—United Provinces.

(*a*) *Garhwal.*—Snowstorms occurred on the higher elevations in the north of the district on the 7th and 8th.

(*b*) *Almora.*—The total fall of the month was estimated at 4 feet in Malla Danpur and Byans, 3 feet in Malla Darma and about 2 feet in Chaudas and Malla Johar.

Table 16.

Name of pass or peak.	Depth of accumulation at the end of the month.	
	Reported.	Normal.
	Feet.	Feet.
Nuwe pass	12	17
Lampia "	13	11½
Lipulekh "	9	10
Binkaru "	8	20
Pindari peak	4	2
Kaphini "	4	2
Kuntela "	4	2
Untadhura	1¾	10
Ralamdhura	1¾	8
Milandhura	1¾	6

Summary.

16.(*a*) According to the available information there was considerably more snowfall than is usual in April in parts of Afghanistan and the North-West Frontier Province, but owing to the heavy rainfall which accompanied or followed it the previous accumulations of snow were not affected.

(*b*) In the western Himalayas although snowfall continued late there were no widespread heavy falls and the accumulations existing in the beginning of May were by no means excessive.

Hem Raj.

Table A.—Abstract of observations taken at 10 hrs. and 16 hrs. at 14 stations in India, etc., in April, 1915.

Table

Abstract of observations taken at 10 hrs. and 16 hrs. at 14

Number of sub-division.	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
	III.—Bengal.																					
5	Calcutta	21	29·855	29·725	·130	29·789	+·038	29·756	97·0	76·6	20·4	103·4	68·9	34·5	89·8	94·7	86·1	+1·1	71·7	77·4	78·3	75·2
	VI.—Punjab.																					
11	Lahore	702	29·136	29·037	·099	29·081	+·046	29·740	96·1	67·3	28·8	109·4	54·9	54·5	85·8	94·0	81·3	+0·4	69·8	68·0	68·5	66·1
	IX.—Rajputana.																					
18	Jaipur	1,431	28·431	28·332	·099	28·375	+·028	29·715	98·4	70·8	27·6	108·5	64·2	44·3	89·7	96·3	84·5	−1·8	59·3	66·6	67·7	64·5
	X.—Bombay.																					
25	Bombay	37	29·904	29·789	·115	29·846	+·034	29·822	90·1	78·6	11·5	93·0	75·6	17·4	85·2	86·3	83·4	+1·3	72·2	76·6	77·6	76·5
	XIV.—Mysore.																					
29	Bangalore	3,021	26·979	26·852	·127	26·921	+·043	29·696	94·0	69·6	24·4	97·5	64·5	33·0	84·4	91·3	80·5	+0·6	64·1	70·0	68·2	67·4
	XV.—Madras.																					
31	Pudukkottai	318	29·622	29·475	·147	29·549		29·791	98·8	78·0	20·8	103·0	71·2	31·8	89·9	94·8	88·4			80·4	81·1	
	Madras	22	29·909	29·791	·118	29·857	+·032	29·810	93·5	77·5	16·0	99·8	73·2	26·6	90·2	89·0	84·5	+0·4	76·3	79·4	80·1	78·4
	Hill stations, excluding Kashmir and Baluchistan.																					
	Sanawar		23·212	23·159	·053	23·175		23·128	65·1	42·3	22·8	75·0	33·2	41·8	59·1	63·2	54·3			48·0	50·2	
	Kalabagh																					
	Mukteswar	7,592							67·8*	51·2*	16·6	72·7	44·3	27·9	60·1‡	64·0*	60·1‡		44·0‡	49·5‡	51·3*	48·3
	Katmandu	4,388	25·715	25·625	·090	25·668	+·119†	25·622	82·5	55·7	26·8	89·0	47·6	41·4	73·7	78·1	69·7	+2·6†	52·6	61·4	62·6	58·9
	Kodaikanal	7,688	22·895	22·834	·061	22·865		22·800	71·4	53·5	17·9	75·0	49·2	25·8	67·1	64·0	62·4		48·1	56·4	57·9	54·1
	Dodabetta	8,539†	22·073	22·021	·052	22·045		21·982	64·3	50·9	13·4	67·3	46·6	20·7	61·3	62·2	58·2		43·2	51·6	53·9	49·5
	Extra India.																					
	Diego Garcia																					
	Seychelles	15	29·956	29·855	·101	29·908	+·0021	29·847	86·4	80·5	5·9	88·2	77·2	11·0	84·2	85·4	82·1	+2·7†	74·7	79·0	79·3	77·7
	Mauritius	181				29·790	−0·19	29·919									76·6	+1·3				73·0

N.B.—Elevations in italics indicate barometric 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.

* Mean of 28 days. † Departure from old normal. ‡ Mean of 27 days.

A.

stations in India, etc., in April, 1915.

Vapour tension, in inches of mercury.					Humidity.					Cloud.				Wind direction.											Wind steadiness.		Wind velocity		Rainfall.		Station.	Number of sub-division.
														Total number of 10 hrs. and 16 hrs. winds from																		
From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean 10 hrs.	Mean 16 hrs.	Mean of two previous columns	Departure from normal.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Mean wind direction.	Normal mean wind direction of month.	Average percentage.	Normal percentage.	Mean velocity in miles per diem.	Normal.	Total rainfall for the month.	Heaviest rainfall during the month.		
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
																															III.—Bengal.	
·716	·777	·664	·751	—·046	79	56	43	64	— 6	1·8	2·8	2·3	—0·3	0	0	2	1	5	13	24	5	10	S 43° W	S 30° W	57	69	105	123	1·57	1·24	Calcutta	5
																															VI.—Punjab.	
·450	·449	·393	·448	+·053	68	38	26	46	+ 5	2·8	3·4	3·1	+0·2	7	5	5	7	10	4	2	1	19	N 11° E	N 15° W	17	28	53	56	0·32	0·13	Lahore	11
																															IX.—Rajputana.	
·368	·365	·324	·365	+·032	49	27	19	34	+ 4	2·8	4·6	3·7	+1·2	0	1	2	3	2	2	7	26	16	N 80° W	N 57° W	60	50	96	88	0·03	0·02	Jaipur	18
																															X.—Bombay.	
·702	·803	·831	·804	—·027	72	66	66	71	— 6	3·2	2·9	3·1	+1·5	0	2	1	3	0	3	3	18	30	N 64° W	N 60° W	70	56	173	185	0·06	0·02	Bombay	25
																															XIV.—Mysore.	
·532	·564	·423	·526	—·029	74	48	29	52	—·3	1·1	3·7	2·4		1	4	2	13	10	8	6	11	5	S 16° E	S 27° W	18	38	120	84	1·61	0·77	Bangalore	39
																															XV.—Madras.	
	·921	·898				65	56			2·9	2·6	2·7		12	0	0	9	12	17	9	1	0	S 18° E		55		128		4·11	1·64	Pudukkottai	34
·889	·857	·902	·905	+·005	95	61	66	77	— 1	2·6	0·8	1·7	—1·8	0	0	0	3	36	14	7	0	0	S 28° E	S 26° E	84	83	116	133	0·52	0·43	Madras	
																															Hill stations, excluding Kashmir and Baluchistan.	
	·223	·233				46	41			3·8	5·0	4·4																	2·03	1·12	Sarain.	
																															Kalabagh.	
·215‡	·246‡	·250*	·230		57‡	46‡	43*	49		4·3	6·1	5·2		8	0	0	1	0	0	2	43	1	S 89° W		82		179		1·48	0·93	Mukteswar.	
·362	·405	·392	·379	+·019	81	49	41	57	— 1	5·0	7·2	6·1	+2·1	0	0	0	18	0	0	1	41	0	S 88° W	N 87° W	40	42	23	26	1·97	0·47	Katmandu.	
·280	·343	·415	·346		68	52	70	63		1·8	6·1	3·9		0	7	13	15	17	3	0	0	5	N 82° E		55		199		3·92	2·99	Kodaikanal.	
·201	·281	·329	·271		54	52	59	55		5·2	6·7	5·9		0	2	20	17	19	2	0	0	0	N 89° E		74		162		0·99	0·34	Dodabetta.	
																															Extra India.	
																															Diego Garcia.	
·782	·923	·921	·900	+·037	75	78	75	79	— 1	5·2	5·7	5·5	+0·4†	12	5	3	7	16	7	1	3	6	S 58° E	N 8° E	25	9	78	82	9·27	1·98	Seychelles.	
			·744	+·050				81	+ 2			4·7	—0·5										S 72° E	S 72° E			144	192	2·81		Mauritius.	

† Departure from old normal.

Table B.—Abstract of observations taken at 8 hrs. at 215 stations in India, etc., in April, 1915.

(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 2,300 stations.

Division.	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	+·034	94·8	−0·7	74·5	+0·1	84·7	−0·3	20·3	31·6	−0·5	− 7	73	+ 1	·785	−·003	3·9	+0·7	1·42	1·29	+0·13
Assam	+·032	86·0	−0·4	68·7	+0·7	77·3	+0·2	17·3	32·9	−0·1	− 7	83	− 2	·690	+·007	3·9	−1·6	7·92	9·39	−1·47
Bengal	+·040	93·9	+0·2	74·0	+0·2	84·0	+0·2	19·9	34·6	−1·3	−11	78	− 1	·806	−·013	3·1	−1·1	2·47	3·08	−0·61
Bihar and Orissa	+·042	99·0	0	73·7	+0·3	86·4	+0·1	25·3	38·2	+0·4	− 2	54	− 5	·581	−·043	2·2	−0·1	0·45	0·98	−0·53
United Provinces of Agra and Oudh	+·055	98·2	−2·8	71·6	+0·8	84·9	−0·9	26·6	44·4	+0·1	0	45	+ 3	·483	+·037	1·8	+0·2	0·29	0·24	+0·05
Punjab	+·045	93·8	−1·5	67·3	+1·0	80·3	−0·2	26·6	50·0	+0·6	+ 7	51	+ 5	·457	+·043	2·6	+0·3	0·64	0·49	+0·15
North-West Frontier Province	+·027	86·9	−2·5	63·5	+0·7	75·2	−0·9	23·4	49·5	−0·3	+ 7	69	+10	·520	+·049	3·7	+0·5	4·38	1·50	+2·88
Sind	+·060	94·3	−1·3	71·2	−0·8	82·7	−1·0	23·1	45·6	−0·6	− 5	62	+ 6	·615	+·043	2·3	+0·4	0·35	0·11	+0·24
Rajputana	+·047	98·9	−1·4	73·8	+0·6	86·4	−0·4	25·1	46·3	+1·0	+21	33	0	·259	−·005	2·7	+0·8	0·09	0·22	−0·13
Bombay	+·043	95·9	−1·1	73·4	+0·2	84·7	−0·4	22·5	34·9	−0·4	0	58	− 1	·616	−·021	3·1	+1·2	0·67	0·43	+0·24
Central India	+·045	98·1	−1·9	71·3	+0·4	85·2	−0·7	27·8	44·4	−0·3	− 7	39	− 1	·413	−·041	3·0	+1·1	0·26	0·26	0
Central Provinces	+·052	100·3	−2·2	73·5	−0·6	86·9	−1·4	26·9	41·0	+0·6	0	38	+ 3	·423	+·008	2·8	+1·0	0·61	0·57	+0·04
Hyderabad	+·043	101·0	−0·9	75·9	−0·3	88·4	−0·6	25·1	37·8	0	− 2	49	− 1	·571	−·015	2·7	+0·7	0·59	0·69	−0·10
Mysore	+·031	94·6	+0·5	70·3	+0·7	82·5	+0·5	24·3	31·9	+0·1	+ 3	68	− 1	·627	−·014	1·8	−1·7	1·69	1·56	+0·13
Madras	+·033	95·7	+0·1	78·0	+0·3	86·9	+0·2	17·7	26·9	+0·3	+ 5	73	+ 1	·852	+·013	2·9	−0·7	1·21	1·28	−0·07

Table

(2) Abstract of observations taken at 8 hrs. at 215

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 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	147	29·801		29·870	29·998	3rd	29·757	18th	·241	83·2	91·6		77·6		84·6		14·0	94·7	27th	75·2	2nd & 12th.	19·5
	Mergui	65	29·895	+·038	29·890	29·957	7th	29·819	18th	·138	82·7†	88·9†	−2·9†	76·1†	+3·9†	83·5†	+0·5†	10·8	92·4	22nd	70·8	10th	21·6
	Tavoy	19	29·936	+·019	29·886	30·015	7th	29·845	18th	·170	80·8	94·7	+0·9	74·5	0	84·6	+0·5	20·2	98·0	22nd	70·4	11th	27·6
	Moulmein	94	29·855	+·032	29·886	29·924	7th	29·755	18th	·169	81·3	94·7	+0·2	76·4	−0·2	85·6	0	18·3	98·0	23rd	71·0	23rd	27·0
	Rangoon	18	29·928	+·041	29·883	30·007	7th	29·833	18th	·174	80·7	96·3	−1·9	75·6	−0·7	85·9	−1·3	20·7	101·0	18th	69·8	24th	31·2
	Bassein	27	29·912	+·033	29·875	29·983	7th	29·813	18th	·170	82·1	95·4	−0·7	76·6	+0·7	86·0	0	18·8	99·2	22nd & 23rd.	72·3	26th	26·9
	Diamond Island	41	29·900	+·027	29·875	29·976	7th	29·819	18th	·157	82·6	88·1	−0·3	77·5	−1·3	82·8	−0·8	10·6	92·4	25th	75·0	8th	17·4
	Toungoo	166	29·762	+·043	29·867	29·897	24th	29·655	18th	·182	82·8	98·7	−1·8	76·0	−0·1	87·4	−0·8	22·7	102·7	15th & 16th.	70·1	2nd	32·6
	Kyaukpyu	18	29·908		29·866	29·986	7th	29·823	18th	·163	84·0	90·2		74·5		82·3		15·7	97·2	23rd & 24th.	69·8	1st	27·4
	Akyab	20	29·922	+·046	29·882	30·007	7th	29·828	19th	·179	82·0	91·0	−0·6	74·6	−1·2	82·8	−0·9	16·4	94·5	21st	67·8	24th	26·7
3	Thayetmyo	121	29·785	+·040	29·850	29·985	24th	29·673	18th	·212	84·4	101·8	−1·9	76·3	+0·4	89·0	−0·3	25·5	106·2	18th	70·9	4th	35·3
	Minbu	*165*	29·732	+·038	29·841	29·935	24th	29·615	18th	·220	84·1	101·8	−1·2	77·4	+0·2	89·6	−0·5	24·4	106·2	13th & 17th.	71·0	5th	35·3
	Yamethin	657	29·247	+·045	29·851	29·342	24th	29·131	18th	·211	83·3	99·4	−1·9	76·6	+0·3	88·0	−0·8	22·8	104·1	15th	69·6	26th	34·5
	Mandalay	250	29·642	+·041	29·838	29·733	7th	29·522	18th	·211	85·3	102·2	0	77·3	−0·5	89·8	−0·3	24·9	109·0	16th	68·7	24th	40·3
	Monywa	*280*	29·607	+·022	29·836	29·712	24th	29·434	18th	·223	80·4	102·4	+1·4	75·8	+0·6	89·1	+1·0	26·6	108·6	16th & 17th.	67·8	24th	40·8
	Lashio	*3,890*	27·110	+·011	27·056	27·213	24th	26·982	18th	·231	68·8	87·9	−1·9	62·2	−0·5	75·9	−1·2	25·7	94·9	19th	51·0	2nd	42·9
	Bhamo	*361*	29·530	+·049	29·850	29·638	7th	29·287	18th	·251	73·4	92·7	−0·1	66·6	−0·4	79·6	−0·3	26·1	101·2	20th	61·1	4th	40·1
	Myitkyina	458	29·416	+·021	29·840	29·531	7th	29·255	18th	·276	72·1	88·7	0	67·5	+0·3	78·1	+0·1	21·2	98·8	17th	58·8	4th	40·0
	II.—Assam.																						
4	Dibrugarh	352	29·537	+·012	29·859	29·664	7th	29·370	18th	·294	71·4	81·9	+2·4?	67·3	+2·0?	74·6	+2·2?	14·6	90·6	29th	61·3	10th	29·3
	Sibsagar	233	29·580	+·035	29·879	29·717	7th	29·403	18th	·314	71·3	81·7	0	67·5	+1·3	74·6	+0·7	14·2	91·1	29th & 30th.	60·8	10th	30·3
	Tezpur	252	29·643	+·033	29·858	29·777	7th	29·472	18th	·305	73·2	83·8	0	63·1	+0·8	75·9	+0·4	15·7	93·8	22nd	63·1	10th	30·7
	Gauhati	196	29·705	+·038	29·858	29·839	7th	29·535	18th	·303	74·3	85·8	−0·9	67·9	+0·6	76·8	−0·1	17·9	95·3	22nd	60·6	4th	34·7
	Dhubri	115	29·762	+·040	29·833	29·897	7th	29·609	18th	·288	75·9	85·7	−1·5	70·1	+0·1	78·4	−0·7	16·6	97·3	20th	63·5	4th	33·8
	Silchar	104	29·812	+·032	29·869	29·918	7th	29·672	19th	·246	75·7	88·3	+0·2	69·7	+0·7	79·0	+0·5	18·6	95·9	22nd	62·4	3rd	33·5
	Srimangal	66	29·809‡		29·825‡	29·894	15th	29·694	18th	·200	71·4	85·5	+2·7?	70·2	+1·4	81·9	+2·1?	23·2	101·4	22nd	63·2	24th	38·2
	III.—Bengal.																						
5	Cox's Bazar	36	29·876		29·858	29·986	7th	29·787	19th	·199	79·1	90·1		73·4		81·8		16·7	93·9	21st	66·9	24th	27·0
	Chittagong	87	29·832	+·042	29·864	29·939	7th	29·739	19th	·200	80·2	89·2	+0·3	73·3	−0·1	81·3	+0·1	15·9	94·8	17th	64·6	24th	30·2
	Noakhali	43	29·865	+·049	29·855	29·974	7th	29·768	d	·206	82·0	90·5	+1·6	75·7	+2·0	83·1	+1·8	14·8	97·3	18th	65·8	5th	31·5
	Barisal	12	29·879	+·045	29·833	29·985	7th	29·777	3rd	·208	82·6	93·0	+1·2	75·8	+0·9	84·4	+1·1	17·2	98·1	19th	65·6	24th	32·5
	Narayanganj	26	29·850	+·032	29·825	29·964	7th	29·739	3rd	·225	80·5	92·4	−0·2	74·6	−0·3	83·2	−0·3	18·4	98·9	18th	67·0	24th	34·9
	Mymensingh	63	29·818	+·036	29·834	29·926	7th	29·699	18th	·227	76·7	90·8	+0·1	72·5	+0·6	81·7	+0·3	18·3	100·1	21st	64·2	24th	35·9
	Bogra	75	29·789	+·042	29·815	29·901	26th	29·661	3rd	·240	79·5	97·7	+2·0	71·0	−0·8	84·4	+0·6	26·7	106·4	15th	63·7	11th	42·7
	Dinajpur	123	29·715	+·035	29·793	29·831	26th	29·583	18th	·248	77·5	95·3	+0·7	70·3	+0·4	82·8	+0·5	25·0	105·8	15th	63·0	10th & 11th.	42·8
	Jalpaiguri	283	29·582	+·034	29·827	29·714	25th	29·443	18th	·271	74·3	88·0	−1·5	68·7	+0·5	78·4	−0·5	19·3	94·3	21st	63·6	1st	30·7

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

† Mean of 22 days.

‡ „ „ 28 „

B.

stations in India, etc., in April, 1915.

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., 1914 to 30th April, 1915.	Normal rainfall for period, 1st Dec. to 30th April.	Departure from normal of period, 1st Dec., 1914 to 30th April, 1915.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																I.—Burma.
4	1	18	3	2	0	0	1	1	N 50° E		5·8			62		79		·856		5·0		4			1·23			7·72			0·42	Victoria Point.
10	0	0	0	0	0	0	0	0	*Calm	N 8° W	0·8†	1·7	−0·9	(a)						1·0	−2·5	4	6·4	−2·4	3·07	5·72	−2·65	11·59	12·28	−0·69	1·42	Mergui.
6	7	8	2	2	0	0	0	4	N 24° E‡	N 27° W	1·5	1·2	+0·3	52	+49	84	0	·879	+·004	0·8	−1·1	4	4·5	−0·5	2·34	3·14	−0·80	6·71	5·70	+1·01	1·36	Tavoy.
0	0	4	5	5	7	0	6	3	S 30° E	S 34° E	8·9	2·8	+6·1	23	−22	79	+1	·848	−·013	4·2	+0·4	3	4·2	−1·2	2·44	2·90	−0·46	4·21	3·84	+0·37	1·75	Moulmein.
0	4	2	1	2	8	7	4	2	S 41° W	S 61° W	4·8	4·1	+0·7	33	−37	82	+2	·855	+·012	8·1	+5·0	3	1·9	+1·1	2·75	1·58	+1·17	7·45	2·47	+4·98	1·75	Rangoon.
14	3	2	1	0	0	0	3	7	N 31° W	N 55° W	4·0	4·5	−0·5	33	−34	80	+1	·881	+·010	5·7	+2·7	3	1·6	+1·4	2·72	1·25	+1·47	4·70	2·19	+2·51	1·47	Bassein.
4	4	5	0	1	0	1	9	6	N 43° W	N 47° W	4·4	6·2	−1·8	46	−17	76	+1	·848	−·010	4·2	+0·6	1	1·0	0	0·16	1·03	−0·87	0·99	2·39	−1·40	0·16	Diamond Island.
2	2	2	2	10	10	2	0	0	S 31° E	S 28° E	2·8	3·4	−0·6	59	−15	72	−1	·824	−·030	5·7	+2·7	5	2·6	+2·4	3·16	1·97	+1·19	6·90	3·92	+3·98	1·17	Toungoo.
2	1	0	11	5	3	0	6	2	S 60° E		3·6			27		78		·876		4·9		2			1·71			2·47			1·33	Kyaukpyu.
9	5	5	2	4	2	0	0	3	N 47° E	N 48° E	3·6	2·8	+0·8	27	−20	79	−2	·860	−·022	4·2	0	3	1·8	+1·2	1·97	1·70	+0·27	4·57	3·20	+1·37	0·90	Akyab.
14	0	1	0	1	13	1	0	0	S 46° E	S 10° W	2·1	4·7	−2·6	3	−60	62	0	·736	−·006	2·2	+0·8	0	1·4	−1·4	0·21	0·84	−0·63	0·76	1·37	−0·61	0·69	Thayetmyo.
0	0	0	0	0	0	0	0	30	N 45° W	S 48° E	3·1	7·1	−4·0	96	+48	64	+2	·737	+·009	3·0	+1·2	1	1·2	−0·2	0·22	0·93	−0·71	1·53	1·96	−0·43	0·22	Minbu.
5	1	0	0	10	13	1	0	0	S 18° E	S 28° E	2·0	5·0	−3·0	69	−2	66	+1	·729	−·019	1·4	−0·1	4	2·3	+1·7	1·21	1·66	−0·45	1·96	2·91	−0·95	0·48	Yamethin.
3	2	0	0	9	14	2	0	0	S 14° E	S 3° W	3·2	4·6	−1·4	69	+22	57	+1	·692	+·016	4·1	+2·2	4	2·4	+1·6	3·83	1·13	+2·70	5·61	1·77	+3·84	2·21	Mandalay.
11	3	1	1	6	0	0	1	7	N		2·0			15		59	0	·603	−·018	2·6	+0·7	1	1·8	−0·9	0·47	1·08	−0·61	3·66	1·88	+1·78	0·37	Monywa.
18	1	6	2	1	0	1	1	0	N 53° E		2·7			23		73	+4	·505	−·008	2·2	−2·7	5	4·4	+0·6	1·68	2·05	−0·37	6·23	3·95	+2·28	0·39	Lashio.
14	5	5	0	0	0	1	2	3	N 8° W	N 14° W	1·5	3·1	−1·6	33	0	72	+3	·646	+·017	4·8	+0·9	5	4·7	+0·3	2·56	1·71	+0·85	7·35	4·01	+3·34	1·07	Bhamo.
27	1	2	0	0	0	0	0	0	N 31° E		1·2			7		77	+1	·603	−·009	5·9	+1·0	5	5·1	−0·1	1·42	1·81	−0·39	5·25	4·31	+0·94	0·62	Myitkyina.
																																II.—Assam.
21	1	3	4	0	0	1	0	0	N 65° E		0·6			17		86	−3	·664	+·031	4·8	−1·7	7	15·7	−8·7	5·05	11·83	−6·78	14·12	20·22	−6·10	1·75	Dibrugarh.
11	4	10	1	0	2	0	0	2	N 33° E	N 48° E	2·4	2·4	0	40	−13	87	−4	·670	−·001	5·7	−1·5	12	14·6	−2·6	7·70	10·22	−2·52	12·71	18·81	−6·07	1·30	Sibsagar.
1	0	10	12	2	0	1	2	0	N 76° E		3·6			66		84	0	·685	+·045	5·0	−0·6	13	12·7	+0·3	4·75	6·52	−1·77	8·49	10·05	−1·56	1·02	Tezpur.
27	0	0	1	1	0	0	0	1	E		1·8			3		80	−2	·670	+·013	4·4	−1·5	11	11·6	−0·6	7·32	6·42	+0·90	12·81	10·20	+2·61	2·52	Gauhati.
1	0	11	11	2	1	2	2	0	N 77° E	N 72° E	6·5	6·4	+0·1	56	−7	74	−5	·648	−·031	3·9	−1·0	8	7·5	+0·5	2·63	4·75	−2·12	5·92	7·82	−1·90	0·62	Dhubri.
20	0	3	4	2	0	1	0	0	E	N 82° E	2·2	2·5	−0·3	23	−2	83	0	·728	+·007	2·5	−3·2	12	14·4	−2·4	21·55	14·62	+6·93	27·57	25·76	+1·81	5·40	Silchar.
																89	+2	·763	−·019	1·1		9	12·3	−3·3	8·11	11·02	−2·91	13·07	15·12	−2·05	2·04	Srimangal.
																																III.—Bengal.
5	0	1	9	11	4	0	0	0	S 58° E		3·7			66		87		·867		3·7		4			3·34			10·41			2·07	Cox's Bazar.
11	0	0	16	2	0	1	0	0	S 83° E	S 47° E	2·2	5·0	−2·8	56	−1	83	+3	·853	+·026	4·0	−0·5	5	5·2	−0·2	6·31	4·76	+1·55	11·83	9·55	+2·28	1·94	Chittagong.
4	0	0	3	9	7	5	2	0	S 13° E		3·1			60		79	−2	·861	+·003	3·2	−0·6	3	5·6	−2·6	3·63	5·73	−2·10	7·13	10·32	−3·19	2·85	Noakhali.
8	0	1	1	1	8	8	2	1	S 25° W	S 8° W	2·4	4·2	−1·8	46	−9	80	−2	·890	−·004	4·2	−0·4	3	5·0	−2·0	1·21	4·01	−2·80	8·76	8·13	+0·63	0·53	Barisal.
4	0	1	2	3	8	7	3	2	S 20° W	S 10° E	3·2	5·3	−2·1	46	−11	80	−3	·824	−·021	3·6	−2·4	7	6·2	+0·8	6·84	4·95	+1·89	13·24	9·35	+3·89	1·92	Narayanganj.
11	0	1	10	5	1	1	1	0	S 70° E	S 68° E	2·3	3·1	−0·8	46	−24	83	+2	·757	−·008	5·2	−0·6	8	6·9	+1·1	5·85	5·57	+0·28	10·44	9·34	+1·10	1·60	Mymensingh
7	0	1	8	4	5	2	3	0	S 40° E	S 63° E	2·8	3·4	−0·6	37	−22	68	−9	·665	−·079	4·0	+0·4	4	3·4	+0·6	0·93	1·92	−0·99	3·65	4·64	−0·99	0·31	Bogra.
0	3	6	11	1	0	2	6	1	N 53° E	N 86° E	4·3	4·1	+0·2	33	−15	71	−1	·661	−·004	3·4	−0·8	2	3·1	−1·1	0·84	2·19	−1·35	3·37	3·95	−0·58	0·66	Dinajpur.
20	0	0	0	0	0	0	0	0	Calm	N 38° E	1·4			(a)		79	+4	·669	+·010	1·8	−1·3	6	5·3	+0·7	2·20	3·48	−1·28	7·42	5·76	+1·67	0·78	Jalpaiguri.

* 20 winds less. (a) Indeterminate. † Mean of 9 days. ‡ 1 wind less.

Table

(2) Abstract of observations taken at 8 hrs. at 215 stations

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 during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	III.—Bengal—*concld.*																						
	Saugor Island	10	29·867	+·048	29·822	29·970	7th	29·774	2nd	·196	84·3	89·6	−0·9	78·5	−1·2	84·2	−1·1	11·1	99·6	20th	69·1	24th	30·5
	Midnapore	149	29·699*	+·032*	29·796*	29·795	15th	29·611	23rd	·184	85·2†	101·6†	+0·6†	76·2†	+0·2†	88·5†	+0·4†	25·4	108·4	16th	71·1	5th	37·3
	Calcutta	21	29·846	+·043	29·814	29·951	7th	29·750	23rd	·201	82·4	96·7	+1·1	76·6	+0·9	86·7	+1·0	20·1	103·4	18th	68·9	24th	34·5
	Jessore	30	29·837	+·042	29·813	29·945	7th	29·731	3rd	·214	82·1	96·1	−0·6	75·7	+0·8	85·9	+0·1	20·4	102·6	22nd	67·8	24th	34·8
	Burdwan	99	29·752	+·039	29·799	29·865	8th	29·650	2nd	·215	80·7	98·7	−1·5	74·2	−1·2	86·5	−1·3	24·5	106·2	15th	68·8	1st & 24th.	37·4
	Berhampore	67	29·791	+·049	29·807	29·919	8th	29·656	3rd	·263	81·1	98·9	−0·6	74·2	0	86·6	−0·3	24·6	105·6	15th	67·0	24th	38·6
	IV.—Bihar and Orissa.																						
6	Balasore	50	29·818	+·044	29·813	29·926	7th	29·725	2nd	·201	83·2	98·7	+1·8	75·4	−0·5	87·1	+0·7	23·3	104·4	14th	69·7	9th	34·7
	Hukitala (False Point).	29	29·854	+·037	29·824	29·955	7th	29·763	18th	·192													
	Cuttack	80	29·803	+·049	29·823	29·897	7th	29·725	18th	·172	83·6	100·9	−0·7	77·6	−0·2	89·2	−0·5	23·3	105·5	4 days	71·0	9th	34·5
	Puri	24	29·863	+·041	29·828	29·961	7th	29·781	18th	·180	82·8	89·3	+1·4	80·1	+1·5	84·7	+1·5	9·2	92·5	9th	72·4	27th	20·1
	Angul	455	29·415	+·045	29·813	29·515	8th & 15th.	29·336	2nd	·179	84·1	103·2	+2·2	75·1	+1·0	89·1	+1·6	28·1	107·3	13th	67·0	9th	40·3
	Sambalpur	486	29·388	+·046	29·820	29·502	8th	29·276	23rd	·226	84·4	102·3	−1·3	74·6	−0·8	88·4	−1·1	27·7	109·0	24th	65·5	9th	43·5
7	Chaibassa*	*733*	29·107	+·033	29·792	29·211	15th	28·988	23rd	·223	79·5	102·7	+0·3	74·4	+0·2	88·5	+0·3	28·3	108·5	23rd	67·9	1st	40·6
	Ranchi	2,128	27·749	+·017	29·775	27·862	15th	27·637	23rd	·225	80·7	96·0	−0·3	72·2	+0·3	84·1	0	23·3	101·9	23rd	65·8	26th	36·1
	Purulia	*816*	29·011§		29·771§	29·123	8th	28·895	23rd	·228	84·7	102·3	+0·5	75·1	+0·7	88·7	+0·6	27·2	109·7	23rd	69·3	1st	40·4
	Daltonganj	*730*	29·107	+·035	29·790	29·257	15th	28·976	23rd	·281	80·4	102·6	+1·7	71·6	+1·3	87·1	+1·5	31·0	109·3	23rd	63·7	20th	45·6
	Purnea	124	29·715	+·030	29·794	29·826	7th	29·595	3rd	·231	78·3	97·9	+1·1	70·8	+1·0	84·3	+1·1	27·1	103·7	15th & 21st.	63·8	10th	39·9
	Monghyr	155	29·693‖		29·801‖P	29·809	15th	29·577	3rd	·232	81·4	97·1		71·6		84·3		25·5	104·4	15th	63·6	9th	40·8
	Darbhanga	165	29·663	+·032	29·785	29·781	7th	29·538	3rd	·243	78·3	95·7¶	−0·4¶	70·3	−0·9	82·9¶	−0·7	25·4	100·9	23rd	60·9	10th	40·0
	Pusa	188	29·641		29·786	29·745	7, 8th & 15th	29·519	2nd	·226	80·3	98·2		68·3		83·2		29·9	103·7	22nd	61·0	10th	42·7
	Patna	183	29·654	+·049	29·792	29·775	7th	29·528	2nd	·247	82·0	96·3	−3·5	73·8	+0·4	85·0	−1·5	22·5	103·2	22nd	68·7	11th	34·5
	Buxar	239	29·589	+·046	29·785	29·746	15th	29·463	22nd	·283	80·9	99·0	−1·1	73·8	+0·2	86·4	−0·5	25·2	106·4	23rd	66·7	10th	39·7
	Gaya	372	29·470	+·056	29·790	29·583	10th	29·326	23rd	·262	86·9	101·2	−1·5	76·0	+0·9	88·6	−0·3	25·2	109·3	23rd	71·2	10th	38·1
	Naya Dumka	489	29·345	+·037	29·784	29·450	7th	29·239	3rd	·211	83·4	99·9	0	72·9	−1·2	86·4	−0·6	27·0	106·4	15th & 23rd.	68·0	1st & 16th.	38·4
	V.—United Provinces of Agra and Oudh.																						
9	Gorakhpur	257	29·564	+·045	29·780	29·704	8th	29·433	2nd	·271	80·4	98·0	−1·9	71·8	−0·1	84·9	−1·0	26·2	104·1	22nd	64·1	20th	40·0
	Benares	267	29·584	+·064	29·805	29·774	15th	29·441	22nd	·333	83·6	99·7	−2·8	72·4	+0·8	86·1	−1·0	27·3	108·2	23rd	65·0	10th	43·2
	Allahabad	309	29·533	+·053	29·798	29·732	15th	29·383	23rd	·349	83·3	99·8	−3·4	72·9	+0·7	86·4	−1·3	26·9	109·2	23rd	64·5	10th	44·7
	Cawnpore	416	29·428	+·063	29·801	29·643	15th	29·261	23rd	·382	81·5	98·3	−2·1	73·4	+1·4	86·1	−0·3	25·4	107·4	23rd	64·9	10th & 15th.	42·5
	Lucknow	368	29·470	+·059	29·796	29·571	15th	29·328	23rd	·343	83·9	99·7	−2·1	73·0	+2·3	86·3	+0·1	26·7	108·2	23rd	62·4	11th	45·8
	Bahraich	407	29·411	+·047	29·781	29·611	7th	29·274	2nd	·337	79·5	96·4	−2·7	70·1	+0·8	83·3	−0·9	26·3	104·2	22nd	59·6	9th	44·6
1	Jhansi	824	29·038	+·041	29·811	29·239	14th	28·874	23rd	·365	85·7	101·2	−2·1	74·5	−2·4?	87·9	−2·3?	26·7	111·4	24th	64·8	15th	46·6
	Agra†	556	29·292	+·053	29·805	29·479	15th	29·108	24th	·371	84·3	98·0	−3·2	73·3	−0·1	85·6	−1·7	24·7	108·5	30th	65·1	10th	43·4
	Mainpuri	516	29·314	+·046	29·789	29·521	15th	29·160	22nd	·361	81·7	99·8	−1·3	71·6	+2·0	85·7	+0·3	28·2	110·0	30th	61·1	10th	48·9
	Bareilly	568	29·263	+·064	29·794	29·455	15th	29·115	23rd	·341	80·4	96·2	−2·3	70·5	+1·7	83·3	−0·3	25·7	104·3	30th	60·7	8th	43·6
	Roorkee	899	28·923	+·065	29·805	29·117	15th	28·766	23rd	·351	76·5	92·8	−4·0	64·5	−1·2	76·6	−2·6	28·3	101·0	22nd	55·9	8th	45·1

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

¶ Mean of 24 days.
† " " 29 "
* " " 27 "
§ " " 17 "
‖ " " 26 "

B—*continued.*

in India, etc., in April, 1915—*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., 1914 to 30th April, 1915.	Normal rainfall for period, 1st Dec. to 30th April.	Departure from normal of period, 1st Dec., 1914 to 30th April, 1915.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																III.—Bengal—*concld.*
0	3	0	0	0	11	13	1	2	S 36° W	S 18° W	9·3	13·1	−3·8	62	−15	80 ††	−1	·936 ††	+·011	3·0	−2·5	3	2·0	+1·0	0·71	1·19	−0·48	5·23	4·44	+0·79	0·26	Saugor Island.
10	1	1	1	5	4	3	1	3	S*		3·8‡			21		81	+12?	·945	+·183?	1·2†	−0·5	2	3·5	−1·5	1·15	1·97	−0·82	5·75	5·25	+0·50	0·72	Midnapore.
0	0	1	0	4	5	15	2	2	S 35° W	S 25° W	4·4	5·1	−0·7	62	−8	79	+1	·859	+·005	2·2	−1·4	2	3·2	−1·2	1·57	1·75	−0·18	7·66	4·77	+2·89	1·24	Calcutta.
14	0	0	1	3	4	7	1	0	S 14° W	S 1° E	3·1	3·0	+0·1	37	−15	77	−4	·842	−·028	1·8	−2·5	1	4·9	−3·9	1·03	3·38	−2·35	8·56	7·32	+1·24	1·03	Jessore.
3	0	0	1	0	7	10	7	2	S 49° W	S 27° W	2·2	3·5	−1·3	62	+2	74	+2	·766	−·006	1·6	−2·0	2	3·6	−1·6	1·45	2·18	−0·73	8·69	5·34	+3·35	0·80	Burdwan.
2	0	0	4	0	10	11	2	1	S 20° W	S 2° E	3·1	3·5	−0·4	59	+2	66	−8	·691	−·070	3·3	−0·6	2	2·7	−0·7	0·70	1·48	−0·78	4·24	4·01	+0·23	0·34	Berhampore.
																																IV.—Bihar and Orissa.
7	1	1	0	0	8	12	0	1	S 31° W	S 29° W	3·4	6·3	−2·9	53	−2	69	−6	·780	−·055	2·7	+0·1	0	3·8	−3·8	0·21	2·14	−1·93	3·77	6·28	−2·51	0·08	Balasore.
0	0	0	0	1	7	19	2	1	S 37° W	S 38° W	11·2	10·1	+1·1	82	+5					3·8	−1·6	1	1·6	−0·6	0·42	0·79	−0·37	1·84	4·09	−2·25	0·34	Hukitala (False Point).
12	0	1	1	2	3	7	4	0	S 34° W	S 39° W	2·4	3·7	−1·3	37	−23	70	−4	·794	−·042	2·5	−1·1	1	1·8	−0·8	1·32	1·18	+0·14	4·45	3·41	+1·04	1·28	Cuttack.
0	0	0	1	0	12	14	3	0	S 29° W		12·3			83		85	0	·951	+·039	4·2	+0·7	2	1·3	+0·7	0·24	0·67	−0·43	1·98	2·85	−0·87	0·12	Puri.
8	1	3	1	5	0	1	0	11	N 16° W		4·6			23		56	−11	·651	−·058	2·4	+0·1	1	3·6	−2·6	0·64	1·92	−1·28	4·21	5·46	−1·15	0·55	Angul.
0	7	7	3	0	1	4	4	4	N 9° W	S 87° E	2·8	2·8	0	37	+27	47	−3	·517	−·049	3·5	+1·3	0	1·6	−1·6	0·02	0·72	−0·70	1·15	2·08	−1·93	0·02	Sambalpur.
9	0	1	0	0	6	11	0	0	S 28° W	S 62° W	3·3‖	1·9	+1·4	52	−6	57	−4	·579	−·066	3·0	+1·3	0	2·9	−2·9	0·07	1·55	−1·48	2·74	5·11	−2·37	0·07	Chaibasa.
1	2	0	0	0	4	7	7	9	S 88° W	S 51° W	6·3	5·4	+0·8	59	+11	37	−5	·380	−·052	2·2	+0·3	2	2·8	−0·8	0·44	1·09	−0·65	5·34	4·94	+0·40	0·20	Ranchi.
8	1	0	0	3	0	4	8	6	N 89° W		3·1‡			44		41	−13	·473	−·085	0·2	−2·0	1	3·3	−2·3	0·35	1·38	−1·03	3·70	5·00	−1·30	0·35	Purulia.
16	1	0	3	4	1	3	1	1	S 27° E		3·9			17		39	−7	·411	−·059	2·2	+0·5	0	1·1	−1·1	0·02	0·46	−0·44	4·02	3·39	+0·63	0·01	Daltonganj.
0	1	5	15	2	0	4	3	0	N 89° E	N 68° E	4·8	3·4	+1·4	47	−13	63 ‡‡	−5	·609 ‡‡	−·039	3·0	+0·6	0	1·8	−1·8	0·05	1·15	−1·10	2·47	2·84	−0·37	0·03	Purnea.
9	0	3	6	1	0	3	7	1	W		6·9			4		27		·520		0·8		1			0·44			3·51**			0·44	Monghyr.
1	0	2	17	0	0	2	8	0	E	S 67° E	4·7	4·2	+0·5	30	−23	60	−5	·575	−·056	0·9	−0·	1	1·5	−0·5	1·00	0·70	+0·30	4·37	2·28	+2·09	1·00	Darbhanga.
0	4	2	14	1	1	1	7	0	N 69° E		4·4			27		56		·566		1·7		1			0·26			3·46			0·22	Pusa.
6	1	0	8	2	1	3	9	0	S 27° W	S 81° E	5·1	3·6	+1·5	13	−7	49	−2	·532	−·012	1·0	−0·5	0	0·7	−0·7	0·06	0·32	−0·26	2·45	2·19	+0·26	0·06	Patna.
1	0	2	5	3	1	8	10	0	S 45° W		6·5			33		45	+3	·459	+·012	2·2	+0·6	0	0·4	−0·4	0	0·19	−0·19	3·58	2·17	+1·41	0	Buxar.
1	1	2	3	2	4	5	12	0	S 56° W	S 34° W	4·9	3·5	+1·4	40	+7	35	−16	·440	−·153	0·8	−1·2	0	0·6	−0·6	0	0·24	−0·24	3·65	2·39	+1·26	0	Gaya.
8	0	0	1	5	1	5	5	5	S 59° W		3·1			27		56	+4	·615	+·038	2·2	+0·4	1	2·1	−1·1	0·28	1·00	−0·72	3·56	3·39	+0·17	0·28	Naya Dumka.
																																V.—United Provinces of Agra and Oudh.
2	1	3	11	0	0	1	11	1	N 13° W	N 57° E	4·6	2·6	+2·0	10	−1	44	−9	·455	−·093	0·5	−1·3	1	0·8	+0·2	0·29	0·47	−0·18	2·62	2·27	+0·35	0·29	Gorakhpur.
3	0	2	4	2	1	8	5	5	S 67° W	S 53° W	3·4	2·6	+0·8	23	+1	43	−4	·482	−·019	2·1	+0·5	0	0·3	−0·3	0	0·19	−0·19	4·26	2·14	+2·12	0	Benares.
10	2	2	5	0	0	1	9	1	N 50° W	N 86° W	3·1	3·9	−0·8	17	−5	39	+3	·433	+·024	2·3	+0·4	1	0·5	+0·5	0·44	0·16	+0·28	5·06	1·97	+3·09	0·42	Allahabad.
4	2	1	1	6	2	3	5	6	S 75° W	S 79° W	2·5	3·0	−0·5	17	−2	46	+7	·487	+·053	0·3	−0·6	1	0·5	+0·5	0·47	0·24	+0·23	3·52	1·93	+1·59	0·40	Cawnpore.
11	0	1	7	1	0	2	8	0	S 38° W	N 81° W	2·3	2·9	−0·6	3	−17	40	+1	·467	+·048	1·9	0	1	0·5	+0·5	0·17	0·29	−0·12	4·44	2·34	+2·10	0·15	Lucknow.
10	3	0	6	2	0	1	3	5	N 3° E	N 55° E	2·0	3·0	−1·0	15	+9	43	−8	·437	−·101	0·7	−0·8	1	0·7	+0·3	0·10	0·38	−0·28	4·18	2·94	+1·24	0·10	Bahraich.
5	1	3	1	3	0	7	9	1	S 71° W	S 87° W	3·8	2·6	+1·2	30	0	35	0	·403	−·033	3·2	+2·2	1	0·6	+0·4	0·21	0·17	+0·04	3·64	1·84	+1·80	0·17	Jhansi.
4	2	1	2	3	3	9	2	3	S 41° W	S 89° W	3·3‡	3·7	−0·4	30	−7	49	+13	·573	+·181	2·7	+1·2	0	0·6	−0·6	0·04	0·25	−0·21	8·17	1·75	+6·42	0·03	Agra.
1	0	1	4	5	1	3	10	5	S 72° W	S 74° W	2·3	1·8	+0·5	23	+9	49	+8	·533	+·129	1·4	−0·8	0	0·8	−0·8	0	0·42	−0·42	4·51	2·38	+2·13	0	Mainpuri.
7	0	1	3	4	0	2	10	3	S 79° W	N 20° W	2·5	2·7	−0·2	23	+15	56	+9	·583	+·132	2·9	+1·0	0	0·7	−0·7	0	0·29	−0·29	8·99	3·11	+5·88	0	Bareilly.
18	0	0	1	6	0	0	0	5	S 66° E	S 60° E	2·1	2·4	−0·3	7	0	52	+10	·464	+·090	1·7	0	2	1·1	+0·9	0·85	0·47	+0·38	9·93	4·90	+5·03	0·58	Roorkee.

†† Mean of 24 days.
* 1 Wind less.
‡ Mean of 28 days.
** Rainfall since 1st January, 1915.
† Mean of 29 days.
‡‡ „ „ 21 „
‖ Mean of 26 days.
¶ „ 25 „

Table

(2) Abstract of observations taken at 8 hrs. at 215 stations

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.	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
	VI.—Punjab.																						
11	Delhi	718	29·113	+·048	29·801	29·333	15th	28·934	23rd	·399	77·4	95·4	−3·2	72·4	−0·6	83·9	−1·9	23·0	104·2	22nd	60·0	8th	44·2
	Hissar	725	29·106	+·052	29·796	29·250	15th	28·920	23rd	·260	80·5	98·9	−0·5	68·3	+0·5	83·6	0	30·6	110·5	27th	55·2	8th	55·3
	Patiala†	*818*	28·993	+·029	28·783	29·178	15th	28·817	23rd	·361	77·4	94·5	+0·3	68·7	+2·1	81·6	+1·2	25·8	102·8	30th	57·0	8th	45·8
	Ambala	892	28·927	+·049	29·797	29·117	15th	28·759	23rd	·358	75·9	95·2	−0·2	66·7	+1·2	80·9	+0·5	28·5	103·7	30th	55·1	8th	48·6
	Ludhiana	812	28·016	+·059	29·805	29·197	15th	28·839	23rd	·358	76·7	95·5	−0·5	69·2	+2·4	82·4	+0·9	26·3	106·3	30th	57·0	8th	49·3
	Lahore	702	29·118	+·046	29·799	29·315	15th	28·938	23rd	·377	76·7	95·6	−0·9	67·3	+2·8	81·5	+0·9	28·3	107·9	28th	54·9	8th	53·0
	Sialkot	830	28·984	+·039	29·800	29·182	15th	28·801	23rd	·382	73·8	91·0	−3·0	64·5	−1·4	77·7	−2·2	26·5	102·1	30th	52·2	8th	49·9
	Rawalpindi	1,674	28·189	+·055	29·853	28·376	8th	28·003	23rd	·373	70·2	85·4	−1·5	59·3	−0·1	72·4	−0·8	26·1	99·8	26th	49·2	8th	50·6
12	Khushab	612	29·226	+·046	29·616	29·461	8th	29·023	23rd	·438	78·2	86·0*	−5·5*	66·7	−0·3	74·1*	−2·9	19·3	91·3	1st	52·8	8th	38·5
	Lyallpur	605	29·208	-	29·730	29·425	8th	29·017	23rd	·408	76·7	94·1		64·5		79·3		29·6	108·8	27th	51·6	8th	57·2
	Montgomery	558	29·241	+·019	29·772	29·450	8th	29·034	24th	·416	78·8	95·5	−0·7	68·5	+1·6	82·5	+0·5	28·0	111·9	30th	55·1	8th	50·8
	Multan	426	29·403	+·037	29·797	29·633	8th	29·198	24th	·435	79·9	97·6	−0·3	70·9	+2·5	84·3	+1·1	26·7	111·6	26th	61·0	8th	50·6
	VII.—North-West Frontier Province.																						
14	Peshawar	1,113	28·765	+·036	29·879	28·966	8th	28·555	23rd	·411	68·9	83·9	−1·6	60·0	−0·3	72·0	−0·9	23·9	100·2	25th	51·1	8th	49·1
	D. I. Khan	590	29·247	+·018	29·819	29·497	8th	29·035	23rd	·462	74·2	89·9	−3·4	67·0	+1·8	78·4	−0·8	22·9	105·7	26th	55·8	12th	49·9
	VIII.—Sind.																						
16	Jacobabad	186	29·659	+·056	29·805	29·862	15th	29·462	24th	·400	81·8	100·7	+1·1	70·1	+0·4	85·4	+0·7	30·6	116·5	25th	54·6	7th	61·9
	Hyderabad	96	29·770	+·051	29·818	29·912	15th	29·585	24th	·326	78·7	97·7	−4·3	70·5	−1·6	84·1	−2·9	27·2	110·2	23rd	61·1	7th	49·1
	Karachi	13	29·908	+·072	29·872	30·017	7th	29·764	25th	·253	77·3	84·5	−0·8	72·9	−1·1	78·7	−0·9	11·6	89·3	17th	63·4	10th	25·9
	IX.—Rajputana.																						
17	Bikaner	*771*	29·064	+·051	29·796	29·225	8th	28·880	24th	·345	82·4	99·5	−0·7	73·0	−1·9	86·3	−1·3	26·5	112·0	26th	60·9	8th	51·1
	Jodhpur	780	29·089	+·048	29·828	29·223	8th	28·935	24th	·288	81·2	99·1	−1·6	73·3	+0·7	86·2	−0·5	25·8	110·2	26th	63·2	8th	47·0
18	Jaipur	1,431	28·420	+·023?	29·794	28·593	15th	28·254	24th	·339	82·0	98·1	−2·1	70·9	+0·3	84·5	−0·9	27·2	108·5	25th & 30th.	62·1	8th	46·4
	Ajmer	1,611	28·277	+·042	29·828	28·413	15th	28·138	24th	·275	80·0	96·5	−1·9	74·1	+2·3	85·3	+0·2	22·4	106·8	30th	62·3	19th	44·5
	Kotah	832	29·033	+·049	29·810	29·197	15th	28·871	23rd	·326	88·2	101·4	−0·5	77·9	+1·4	89·6	+0·5	23·5	110·0	26th	67·6	15th	42·4
	X.—Bombay.																						
19	Deesa	466	29·448	+·064	29·868	29·563	7th	29·320	25th	·243	82·8	102·0	−1·8	71·0	−0·5	86·5	−1·1	31·0	111·4	23rd	62·3	9th	49·1
	Bhuj	334	29·585	+·063	29·872	29·713	7th	29·453	25th	·260	79·8	96·4	−4·0	70·7	−0·8	83·5	−2·4	25·7	107·2	23rd	63·6	8th	43·6
	Jamnagar	61	29·868	+·045	29·875	30·000	7th	29·751	25th	·249	81·1	93·7	−1·6	70·8	+0·2	82·2	−0·7	22·9	103·3	23rd	66·4	9th	36·9
	Dwarka	37	29·910	+·050	29·893	30·021	7th	29·804	25th	·227	79·0	84·5	−0·3	75·8	−0·2	80·2	−0·3	8·7	86·7	24th	71·1	12th	15·6
	Rajkot	429	29·497	+·051	29·877	29·614	7th	29·384	25th	·230	79·7	98·8	−3·4	69·2	+0·1	84·0	−1·7	29·6	108·1	23rd	63·5	7th	44·6
	Veraval	*18*	29·920	+·052	29·881	30·036	7th	29·823	22nd	·213	78·8	86·0	−0·4	72·0	−0·3	79·0	−0·3	14·0	99·9	21st	66·0	8th	33·9
	Bhavnagar Para	55	29·881	+·060	29·851	30·003	7th	29·774	25th	·229	82·2	100·4	−1·5	73·8	−0·8	87·1	−1·1	26·6	108·6	30th	69·2	3rd	39·4
	Surat	39	29·891	+·045	29·876	30·037	7th	29·799	25th	·238	83·2	98·7	−1·1	75·5	+2·4	87·1	+0·7	23·2	110·7	21st	68·9	10th	41·8
	Ahmadabad	163	29·759	+·054	29·871	29·880	7th	29·639	25th	·241	83·2	102·7	−1·9	75·0	+0·1	88·9	−0·9	27·7	112·4	23rd	66·6	9th	45·8
25	Bombay	37	29·896	+·031	29·873	29·978	7th	29·799	20th	·179	81·8	90·0	+1·4	78·5	+1·0	84·3	+1·2	11·5	93·0	15th	75·6	9th	17·4
	Ratnagiri	207	29·706	+·017	29·852	29·765	7th	29·630	19th	·135	82·6	89·4	−0·3	77·5‡	+0·4‡	83·5‡	+0·1	11·9	94·3	20th	70·9	30th	23·4
	Marmagao	*60*	29·859	+·014	29·853	29·941	7th	29·767	19th	·174	86·2	90·3	+0·9	78·7	−0·5	84·5	+0·2	11·6	94·0	22nd & 30th.	75·1	10th	18·9
	Karwar	44	29·894	+·036	29·872	29·970	7th	29·809	19th	·161	80·7	89·1	−0·4	76·8	−0·7	82·9	−0·5	12·3	91·7	20th	73·0	6th & 11th.	18·7

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

* Mean of 19 days.
† " " 29 "
‡ " " 25 "

B—*continued.*

in India, etc., in April, 1915—*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., 1914 to 30th April, 1915.	Normal rainfall for period, 1st Dec. to 30th April.	Departure from normal of period, 1st Dec., 1914 to 30th April, 1915.	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
																																VI.—Punjab.
2	0	0	2	7	0	3	12	4	S 67° W	N 77° W	3·6	2·8	+0·8	37	0	52	+13	·481	+·101	1·3	—0·7	2	0·8	+1·2	1·36	0·38	+0·98	11·77	3·06	+8·71	0·79	Delhi.
5	3	1	2	4	5	5	3	2	S 21° W	N 28° W	4·4	3·9	+0·5	20	+18	43	+ 1	·447	+·041	3·1	+0·9	0	0·7	—0·7	0	0·33	—0·33	3·89	2·00	+1·89	0	Hissar.
3	0	3	7	4	0	0	11	1	Calm		4·3			(a)		50	+ 3	·462	+·017	1·3	—0·9	1	1·1	—0·1	0·22	0·45	—0·23	5·66	4·61	+1·05	0·22	Patiala.
5	9	0	13	1	0	0	1	1	N 53° E	N 18° W	4·1	2·3	+1·8	49	+40	51	0	·449	+·009	3·0	+1·1	2	1·7	+0·3	0·76	0·51	+0·25	5·22	5·66	—0·44	0·50	Ambala.
16	4	3	0	5	2	0	0	0	N 84° E	N 27° E	1·6	1·8	—0·2	20	+13	48	+ 2	·436	+·018	1·5	—0·9	0	1·5	—1·5	0·09	0·83	—0·74	6·99	5·65	+1·34	0·05	Ludhiana.
7	4	1	4	6	1	2	1	4	N 76° E	N 31° E	2·2	2·3	—0·1	13	— 7	52	+ 2	·463	+·031	3·0	+0·4	2	1·5	+0·5	0·32	0·50	—0·18	4·89	3·71	+1·18	0·13	Lahore.
4	8	5	4	2	0	2	1	4	N 18° E	N 20° E	2·9	2·0	+0·9	40	+ 7	62	+11	·506	+·070	3·0	+1·0	4	1·8	+2·2	2·24	0·82	+1·42	8·28	6·87	+1·41	1·21	Sialkot.
12	2	4	1	1	3	3	4	0	S 56° W	N 30° W	3·4	2·3	+1·1	7	—22	62	+ 6	·448	+·040	5·0	+1·6	6	3·8	+2·2	1·79	1·85	—0·06	10·25	9·84	+0·41	0·37	Rawalpindi.
4	2	8	8	2	2	3	0	1	N 77° E	N 37° E	5·8	4·9	+1·0	40	+ 3	47	+ 4	·426	+·033	2·8	+0·6	4	2·1	+1·9	2·25	0·89	+1·36	5·43	4·01	+1·42	0·83	Khushab.
4	0	6	2	10	1	2	0	5	S 78° [illegible]		3·0			27		52		·447		3·1		1	1·3	—0·3	0·79	0·49	+0·30	3·25	2·38	+0·87	0·58	Lyallpur.
2	4	6	6	4	3	2	0	3	N 72° E	S 83° E	5·1	4·6	+0·5	30	+ 4	43	+ 6	·403	+·036	2·8	+0·6	0	0·8	—0·8	0·08	0·29	—0·21	3·11	2·18	+0·93	0·07	Montgomery.
11	8	1	0	4	0	0	0	6	N 4° W	N 51° E	1·5	1·6	—0·1	33	+10	53	+ 6	·513	+·075	1·6	—0·2	0	0·7	—0·7	0·02	0·20	—0·18	0·65	1·62	—0·97	0·02	Multan.
																																VII.—North-West Frontier Province.
19	2	2	0	0	6	0	0	1	S 21° E	S 54° W	1·6	2·9	—1·3	7	— 3	72	+11	·535	+·053	4·5	+0·8	7	3·8	+3·2	4·94	1·78	+3·16	12·92	7·35	+5·57	1·28	Peshawar.
9	4	6	1	0	0	0	1	9	N 8° W	N 5° E	2·4	1·8	+0·6	49	+16	65	+ 9	·535	+ ·045	2·8	+0·3	4	1·6	+2·4	1·97	0·74	+1·23	2·81	3·16	—0·35	1·14	D. I. Khan.
																																VIII.—Sind.
22	2	0	5	0	1	0	0	0	N 79° E	N 88° E	0·7	3·1	—2·4	17	—10	58	+17	·625	+·180	1·8	—0·2	1	0·5	+0·5	0·26	0·16	+0·10	0·72	1·17	—0·45	0·21	Jacobabad.
0	7	0	0	0	9	12	2	0	S 45° W	S 48° W	7·1	7·9	—0·8	46	—11	53	+ 6	·513	+·009	2·1	+0·6	0	0·1	—0·1	0·04	0·04	0	0·18	0·79	—0·61	0·04	Hyderabad.
2	2	2	0	0	0	8	14	2	S 88° W	N 89° W	10·9	9·6	+1·3	66	+ 5	75	— 4	·707	—·061	3·1	+0·7	2	0·2	+1·8	1·34	0·16	+1·18	2·41	1·54	+0·87	0·71	Karachi.
																																IX.—Rajputana.
2	0	0	3	4	4	9	7	1	S 34° W	S 51° W	5·6	4·3	+1·3	49	+27	36	— 2	·402	—·017	2·4	+0·4	0	0·5	—0·5	0	0·14	—0·14	2·67	1·16	+1·51	0	Bikaner.
3	0	4	1	0	1	16	4	1	S 54° W		4·4			49		29	0	·285	—·012	3·1	+1·1	0	0·5	—0·5	0·02	0·14	—0·12	0·64	0·73	—0·09	0·02	Jodhpur.
2	2	5	2	0	1	1	8	9	N 43° W	N 34° W	4·0	3·7	+0·3	46	+12	35	+ 2	·377	+·013	2·8	+0·5	0	0·6	—0·6	0·03	0·19	—0·16	3·50	1·48	+2·02	0·02	Jaipur.
5	2	0	0	1	0	8	9	5	S 87° W	W	5·7	4·2	+1·5	56	+25	37	— 2	·366	—·050	2·0	+0·1	0	0·5	—0·5	0	0·20	—0·20	3·21	1·33	+1·88	0	Ajmer.
4	2	1	1	1	1	2	8	10	N 65° W		3·2			49		28	+ 3	·353	+·043	3·1	+1·9	0	0·8	—0·8	0	0·43	—0·43	5·65	1·27	+4·38	0	Kotah.
																																X.—Bombay.
2	2	4	1	1	1	3	5	11	N 50° W	N 88° W	6·3	6·6	—0·3	46	+16	43	+ 2	·467	+·010	3·1	+1·8	0	0·1	—0·1	0	0·03	—0·03	0·91	0·42	+0·49	0	Deesa.
1	8	0	0	0	0	1	16	6	N 65° W	N 75° W	6·2	8·5	—2·3	76	— 1	60	+ 1	·592	—·044	2·2	+0·9	0	0·1	—0·1	0·09	0·09	0	1·27	0·44	+0·83	0·09	Bhuj.
1	3	0	0	0	1	4	15	6	N 81° W		9·1			74		69	+ 1	·725	+·017	2·4	+1·3	1	0	+1·0	0·76	0	+0·76	0·80	0·42	+0·38	0·76	Jamnagar.
1	4	1	0	0	1	6	8	9	N 72° W		9·6			62		78	— 2	·770	—·052	4·3	+2·2	1	0	+1·0	0·96	0	+0·96	2·33	0·68	+1·65	0·96	Dwarka.
1	3	1	0	0	1	4	10	10	N 70° W	N 66° W	7·1	7·6	—0·5	66	— 7	61	— 3	·600	—·057	4·3	+3·1	0	0·1	—0·1	0·03	0·03	0	0·25	0·30	—0·05	0·02	Rajkot.
3	1	0	0	1	1	5	9	10	N 82° W	N 47° W	7·9†	6·1	+1·8	62	— 1	67	— 7	·656	—·073	3·3	+1·0	0	0	0	0	0	0	1·25	0·19	+1·06	0	Veraval.
5	8	0	0	2	0	2	4	9	N 42° W	S 66° W	4·4	7·7	—3·3	52	—15	58	+ 2	·531	+·121	3·5	+2·0	0	0·2	—0·2	0·03	0·13	—0·10	0·21	0·50	—0·29	0·07	Bhavnagar Para.
5	6	4	1	3	5	2	1	3	N 31° E	S 61° W	3·1	5·4	—2·3	7	—33	59	— 5	·666	—·058	3·0	+1·5	0	0·1	—0·1	0·04	0·05	—0·01	0·13	0·27	—0·14	0·04	[illegible]
2	1	6	0	1	0	0	1	19	N 28° W	N 45° W	5·0	3·4	+1·6	66	+25	53	+ 6	·592	+·053	3·1	+1·5	0	0·1	—0·1	0	0·03	—0·03	0·33	0·27	+0·06	0	Ahmedabad.
0	9	8	2	2	1	1	1	6	N 11° E	N 32° E	7·3	7·7	—0·4	53	+43	73	— 2	·790	—·027	3·8	+0·7	0	0·1	—0·1	0·06	0·09	0	1·05	0·27	+0·78	0·02	Bombay.
0	15	6	0	2	4	1	0	2	N 13° E	N 81° W	8·5	6·1	+2·4	49	+29	68	— 2	·753	—·031	4·0	+1·5	1	0·3	+0·7	0·24	0·10	+0·14	0·77	0·38	+0·39	0·12	Ratnagiri.
5	4	2	2	3	4	0	0	10	N 13° W	N 5° W	6·2	6·2	0	20	+16	73	— 2	·667	+·001	5·2	+1·5	3	0·9	+2·1	0·43	0·87	—0·44	1·53	1·10	+0·43	0·17	Mahabaleshwar.
26	1	3	0	0	0	0	0	0	N 34° E	N 9° W	2·4	3·5	—1·1	13	—30	78	0	·815	—·006	3·3	+0·5	3	1·0	+2·0	0·56	0·57	+0·01	3·63	0·83	+2·80	0·21	Karwar.

† Mean of 28 days.

(a) Indeterminate.

Table

(2) Abstract of observations taken at 8 hrs. at 215 stations

Number of sub-division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.													
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	X.—Bombay—*concld.*																							
26	Malegaon	1,430	28·497	+·057	29·857	28·599	15th	28·404	25th	·195	83·7	103·1	−0·1	71·4	+0·1	87·3	0	31·7	111·2	30th	63·6	4th	47·6
	Ahmadnagar	2,154	27·800	+·019	29·841	27·906	15th	27·719	22nd	·187	81·9	99·0	−0·7	69·8	+0·1	84·4	−0·3	29·2	104·2	23rd	63·5	26th	40·8
	Poona	1,846	28·092	+·029	29·861	28·188	15th	28·012	22nd	·176	78·7	99·8	−1·6	69·5	+0·3	84·7	−0·7	30·3	104·8	21st & 25th.	63·3	26th	41·5
	Sholapur	1,590	28·319	+·035	29·821	28·419	15th	28·250	22nd	·169	83·6	102·3	−2·1	76·2	+0·9	89·3	−0·6	26·1	106·3	23rd	70·3	1st	36·0
	Bijapur	*1,948*	27·969	+·031	29·810	28·067	15th	27·893	22nd	·174	83·4	100·0	−0·7	75·0	+0·5	87·5	−0·1	25·0	103·0	27th	71·2	15th	31·8
	Belgaum	2,562	27·398	+·029	29·837	27·472	15th	27·338	19th	·134	77·8	95·5	−0·4	67·7	+0·6	81·6	+0·1	27·8	89·3	25th & 28th.	63·0	10th	36·3
	XI.—Central India.																							
20	Neemuch	1,626	28·277	+·047	29·828	28·407	15th	28·141	24th	·266	83·0	98·3	−1·5	74·6*	+0·6*	90·0*	−0·5	23·7	107·4	30th	72·6	26th	34·8
	Indore	1,823	28·084	+·041	29·832	28·223	14th	27·965	25th	·258	80·5	98·4	−1·6	70·3	+0·5	84·3	−0·5	28·1	108·1	30th	62·6	9th	45·5
21	Nowgong	754	29·098	+·045	29·808	29·298	15th	28·916	23rd	·382	81·6	100·5	−1·7	71·5	+0·3	86·0	−0·7	29·0	110·0	30th	63·0	9th	47·0
	Sutna	1,041	28·805	+·045	29·792	28·999	15th	28·649	23rd	·350	82·8	98·4	−2·5	72·2	+0·5	85·3	−1·0	26·2	105·8	24th	65·0	9th	40·8
	XII.—Central Provinces.																							
22	Buldana	2,134	27·801		29·830	27·929	15th	27·721	22nd	·208	81·8	97·2	−2·6	74·7	−1·7	85·9	−2·1	22·5	103·9	23rd	66·4	15th	37·5
	Akola	925	28·972	+·053	29·838	29·118	15th	28·880	22nd	·238	83·8	103·5	−2·2	73·6	−1·1	88·6	−1·7	29·9	110·8	23rd	67·5	19th	43·3
	Amraoti	1,215	28·677	+·050	29·827	28·820	15th	28·575	22nd	·255	83·8	102·2	−2·6	75·3	−0·9	88·7	−1·7	26·9	109·3	23rd	67·3	15th	42·0
23	Khandwa	1,044	28·855	+·053	29·843	28·968	15th	28·738	23rd	·250	83·1	102·5	−2·0	74·4	−0·7	88·5	−1·3	28·1	110·8	30th	65·9	19th	44·9
	Hoshangabad	1,006	28·890	+·061	29·838	29·068	14th	28·760	23rd	·308	83·6	101·0	−3·2	73·0	−0·5	87·0	−1·9	28·0	110·1	30th	67·4	4th, 19th & 20th.	42·7
	Saugor	1,897	28·075	+·037P	29·798	28·229	15th	27·939	23rd	·290	83·0	97·8	−2·7	73·1	0	85·5	−1·3	24·7	106·6	30th	63·2	15th	43·4
	Jubbulpore	1,327	28·546	+·051	29·812	28·728	15th	28·408	23rd	·320	81·7	98·9	−2·4	70·6	+0·4	84·7	−1·0	28·3	106·3	24th	62·5	20th	43·8
	Seoni	2,033	27·879	+·056	29·815	28·025	15th	27·762	23rd	·263	82·8	97·2	−3·3	70·4	−0·5	83·8	−1·9	26·8	104·0	24th	64·6	15th	39·4
	Nagpur	1,017	28·869	+·055	29·824	29·026	15th	28·747	23rd	·279	84·5	102·1	−3·1	75·3	−0·7	88·6	−1·9	26·8	108·6	23rd & 24th.	70·0	7th & 8th.	38·6
24	Pendra	2,040	27·850	+·045	29·792	28·027	7th	27·723	23rd	·304	83·0	97·6	+1·4	72·4	+1·1	85·0	+1·3	25·2	104·8	24th	66·2	15th	38·6
	Raipur	970	28·908	+·050	29·819	29·104	7th	28·784	23rd	·320	82·9	101·9	−1·5	76·1	−0·4	89·0	−0·9	25·8	108·3	23rd	70·6	7th	37·7
	Chanda	*634*	29·252	+·043	29·828	29·426	15th	29·132	23rd	·294	84·4	103·8	−2·4	74·5	−1·7	89·2	−2·1	29·3	109·5	24th	70·0	8th & 9th.	39·5
	Jagdalpur	1,813	28·104		29·823	28·239	7th	28·024	22nd	·215	82·8	98·8		72·0		85·4		26·8	105·0	22nd	62·9	24th	42·1
	XIII.—Hyderabad.																							
27	Aurangabad	1,905	28·032	+·045	29·841	28·157	15th	27·949	22nd	·208	82·6	99·3	−3·0	72·5	−0·5	85·9	−1·7	26·8	104·1	23rd	67·7	9th	36·4
	Nizamabad	1,248	28·655	+·045	29·826	28·802	15th	28·563	23rd	·239	85·6	102·8	−0·5	75·6	−0·9	89·2*	−0·7	27·2	108·0	23rd	70·5	4th	37·5
	Bidar	*2,165*									84·6	98·3	−0·3	74·7	−0·3	86·5	−0·3	23·6	101·5	23rd, 24th & 27th.	67·4	30th	34·1
28	Gulbarga	1,503	28·294	+·028	29·811	28·505	15th	28·335	22nd	·170	84·0	103·7	+0·3	75·6	−0·7	89·6	−0·2	28·1	106·8	23rd	68·3	11th	38·5
	Raichur	*1,311*	28·588	+·045	29·815	28·689	15th	28·528	22nd	·161	86·8	102·6	+0·2	79·6	+0·6	91·1	+0·4	23·0	107·2	23rd	67·2	26th	40·0
	Hyderabad (Deccan)	1,738	28·178	+·041	29·817	28·286	15th	28·097	22nd	·189	84·2	99·9	−1·4	76·8	+0·6	88·3	−0·4	23·1	104·8	24th	64·5	26th	40·3
	Hanamkonda	877	29·028	+·050	29·844	29·124	7th	28·941	22nd	·183	82·8	100·5	−1·3	76·3	−0·8	88·4	−1·1	24·2	105·0	24th	67·0	27th	38·0
	XIV.—Mysore.																							
29	Chitaldrug	2,405	27·547	+·034	29·825	27·616	15th	27·488	19th	·128	79·9	97·3	+0·5	73·1	+0·6	85·2	+0·5	24·2	99·9	21st	68·8	2nd & 27th.	31·1
	Hassan	3,149	26·855	+·035	29·842	26·920	7th	26·797	19th	·123	74·8	92·1	+0·1	67·5	+1·0	79·8	+0·5	24·6	95·8	20th	63·6	3rd	32·2
	Bangalore	3,021	26·976	+·028	29·835	27·031	7th	26·917	19th	·114	77·2	94·0	+0·7	69·7	+0·4	81·8	+0·5	24·3	97·5	23rd	64·5	11th	33·0
	Mysore	2,518	27·453	+·027	29·849	27·509	7th	27·395	19th	·114	73·9	95·0	+0·5	71·0	+0·9	83·0	+0·7	24·0	98·3	5th	67·1	22nd	31·2

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

* Mean of 6 days.

B—*continued.*

in India, etc., in April, 1915—*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., 1914 to 30th April, 1915.	Normal rainfall for period, 1st Dec. to 30th April.	Departure from normal of period, 1st Dec., 1914 to 30th April, 1915.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																X.—Bombay—*concld.*
6	2	2	0	0	0	3	9	8	N 66° W	N 69° W	5·6	6·9	−1·3	53	−10	38	−4	·424	−·073	3·3	+1·6	1	0·4	+0·6	0·33	0·13	+0·20	3·17	0·59	+2·58	0·23	Malegaon.
3	4	2	1	2	2	0	0	16	N 29° W	N 1° E	5·5	7·7	−2·2	49	+ 1	37	−10	·389	−·138?	1·1	−0·2	4	1·1	+2·9	0·82	0·34	+0·48	1·94	1·29	+0·65	0·30	Ahmadnagar.
4	1	0	2	3	0	6	5	9	N 85° W	N 83° W	9·7	7·7	+2·0	37	−20	56	+15	·541	+·129?	1·8	+0·3	4	1·4	+2·6	2·75	0·60	+2·15	2·85	0·94	+1·91	1·74	Poona.
2	3	7	1	2	2	0	1	12	N 9° W	N 45° W	7·8	6·4	+1·4	43	+20	39	+ 2	·443	+·006	3·7	+1·6	1	1·1	−0·1	0·46	0·51	−0·05	5·33	1·33	+4·00	0·46	Sholapur.
3	8	7	0	2	1	2	2	5	N 3° W	N 82° W	4·3	4·1	+0·2	43	−15	40	−14	·457	−·141?	1·9	+0·2	3	2·1	+0·9	0·59	0·82	−0·23	4·42	1·48	+2·94	0·17	Bijapur.
23	1	3	1	0	0	1	1	0	N 31° E	S 83° W	6·6	9·6	−3·0	2	−21	55	− 3	·513	−·014	2·4	+0·2	1	3·5	−2·5	0·44	1·74	−1·30	4·23	2·55	+1·68	0·34	Belgaum.
																																XI.—Central India.
4	0	1	6	1	0	7	7	3	S 66° W§	N 51° W	5·5	6·4	−0·9	23	+ 1	30	− 7	·344	−·094	2·2	+0·8	1	0·2	+0·8	0·37	0·12	+0·25	4·21	0·77	+3·47	0·37	Neemuch.
4	4	2	1	3	0	0	9	7	N 49° W	N 45° W	4·7	3·2	+1·5	40	−10	42	+ 3	·429	−·025	3·6	+1·9	4	0·3	+3·7	0·71	0·14	+0·57	2·04	0·74	+1·30	0·21	Indore.
5	1	2	1	3	5	3	10	0	S 48° W	S 75° W	2·7	2·3	+0·4	33	− 4	39	+ 2	·401	−·004	3·4	+1·3	1	0·2	+0·8	0·27	0·17	+0·10	2·25	2·14	+0·11	0·13	Nowgong.
15	0	1	2	0	2	4	5	1	S 59° W	N 55° W	2·6	4·9	−2·3	23	−17	45	+17	·495	+·168?	2·7	+0·5	1	0·4	+0·6	0·70	0·16	+0·54	5·43	2·66	+2·77	0·58	Sutna.
																																XII.—Central Provinces.
0	3	4	0	4	0	2	8	9	N 51° W		6·1	6·6	−0·5	43		38		·400		3·4		3	0·6	+2·4	0·87	0·23	+0·64	5·61	1·51	+4·10	0·39	Buldana.
6	1	1	3	0	2	2	9	6	N 77° W	N 67° W	4·7	4·3	+0·4	37	−16	39	+ 9	·429	+·053	3·7	+1·8	3	0·5	+2·5	0·92	0·17	+0·75	5·59	1·78	+3·81	0·48	Akola.
0	1	3	5	1	1	5	9	5	N 80° W	S 69° W	5·4*	3·9	+1·5	27	− 3	37	+ 2	·399	−·029	3·1	+1·2	3	0·7	+2·3	0·68	0·26	+0·42	4·78	1·79	+2·99	0·30	Amraoti.
19	0	0	1	0	0	0	7	3	N 75° W	N 68° W	4·7	4·7	0	27	−36	33	+ 4	·374	+·022	2·8	+1·3	0	0·4	−0·4	0·04	0·13	−0·09	2·95	0·90	+2·05	0·04	Khandwa.
5	1	4	1	1	0	13	3	2	S 63° W	S 48° W	2·3	2·2	+0·1	33	+16	38	+ 1	·432	−·002	2·9	+1·3	1	0·3	+0·7	0·22	0·16	+0·06	3·77	1·48	+2·29	0·13	Hoshangabad
2	0	2	4	2	1	4	12	3	S 81° W	S 53° W	5·3	3·4	+1·9	33	+16	30	0	·313	−·028	2·8	+1·3	1	0·4	+0·6	0·26	0·37	−0·11	3·70	2·22	+1·48	0·20	Saugor.
1	2	1	1	8	4	4	6	3	S 26° W	S 18° W	2·6	2·4	+0·2	30	− 3	36	+ 1	·380	−·002	2·5	+0·9	1	0·7	+0·3	0·39	0·27	+0·12	3·93	2·43	+1·50	0·22	Jubbulpore.
3	6	3	0	1	5	4	3	5	N 64° W	S 86° W	4·4	2·8	+1·6	23	+14	33	− 3	·354	−·050	2·8	+0·7	2	1·3	+0·7	0·42	0·50	−0·08	6·13	3·02	+3·11	0·21	Seoni.
2	7	3	3	4	1	1	4	5	N 2° W	N 83° W	4·6	4·4	+0·2	27	+19	35	0	·402	−·031	3·6	+1·3	3	1·2	+1·8	0·48	0·56	−0·08	5·97	2·39	+3·58	0·19	Nagpur.
4	6	2	1	2	5	5	0	5	N 73° W		5·0			10		32	+ 2	·351	+·042	2·5	+0·5	1	3·1	−2·1	0·22	1·50	−1·28	6·35	5·69	+0·66	0·10	Pendra.
3	1	3	1	2	6	7	4	3	S 43° W	S 56° W	4·4	4·6	−0·2	33	− 4	40	+ 3	·442	−·005	2·1	0	3	1·4	+1·6	0·66	0·66	0	3·39	2·43	+0·96	0·23	Raipur.
6	1	1	3	7	3	2	5	2	S 8° E	S 52° E	3·7	2·6	+1·1	20	+ 1	54	+13	·633	+·119	2·7	+0·6	2	1·6	+0·4	0·70	0·65	+0·05	6·14	2·66	+3·48	0·35	Chanda.
15	0	0	0	1	5	4	3	2	S 43° W		1·2†			33		54		·590		1·0‡		3			2·18			8·12			1·40	Jagdalpur.
																																XIII.—Hyderabad.
2	5	4	3	2	2	4	3	5	N 23° W		7·2			20		43	+14	·466	+·113	3·3	+2·1	4	0·6	+3·4	0·97	0·27	+0·70	4·58	1·24	+3·34	0·36	Aurangabad.
5	7	2	1	2	4	3	2	4	N 40° W		3·2			17		41	−10	·489	−·157	3·4	+1·1	1	1·9	−0·9	0·45	0·93	−0·48	4·70	2·15	+2·55	0·39	Nizamabad.
7	3	6	2	1	0	7	1	3	N 14° W		4·6			13		44	− 8	·514	−·084	2·9	+1·4	3	2·9	+0·1	0·79	1·41	−0·62	5·58	2·61	+2·97	0·37	Bidar.
2	9	6	1	3	1	2	1	5	N 6° E	N 78° W	6·0	6·6	−0·6	40	+33	41	− 6	·503	−·098	1·8	0	4	2·3	+1·7	0·96	1·05	−0·09	4·01	1·93	+2·08	0·31	Gulbarga.
0	3	6	5	5	1	6	2	2	S 89° E	S 58° W	6·1	6·2	−0·1	17	−25	55	+ 4	·699	+·082	2·0	−0·3	2	1·5	+0·5	1·05	0·84	+0·21	4·13	1·59	+2·54	0·93	Raichur.
4	4	4	0	6	2	6	1	3	S 13° W	S 72° W	3·[illegible]	3·3	+0·6	5	−14	57	+ 3	·657	+·063	2·9	+0·7	1	1·8	−0·8	0·69	1·05	−0·36	5·00	2·33	+2·67	0·67	Hyderabad (Deccan).
0	3	1	2	9	7	4	2	2	S 14° E		4·9			37		59	− 3	·666	−·023	2·9	−0·1	2	2·2	−0·2	1·18	1·04	+0·14	5·05	2·09	+2·96	0·77	Hanamkonda.
																																XIV.—Mysore.
8	0	0	0	0	0	10	11	1	S 71° W	S 70° W	3·8	4·9	−1·1	66	+ 3	59	− 2	·595	−·021	1·8	−0·7	2	2·3	−0·3	0·61	1·21	−0·60	2·67	2·05	+0·62	0·41	Chitaldrug.
10	0	1	2	1	1	1	8	6	N 72° W	S 82° W	4·0	2·5	+1·5	30	+ 1	74	+ 4	·627	+·017	2·4	−1·4	4	4·4	−0·4	2·66	2·34	−0·28	6·08	3·59	+2·49	1·15	Hassan.
0	0	0	0	3	6	12	7	2	S 44° W	S 41° W	5·0	3·5	+1·5	69	+15	67	− 4	·614	−·031	1·5	−1·4	3	2·4	+0·6	1·61	1·37	+0·24	4·36	2·77	+1·59	0·77	Bangalore.
4	2	2	1	2	2	9	8	0	S 59° W	S 68° W	1·4	5·8	−1·4	43	− 9	71	− 3	·663	−·020	1·5	−3·2	4	4·9	−0·9	2·41	2·65	−0·24	3·40	3·59	−0·19	1·03	Mysore.

§ 1 wind less.

* Mean of 19 days.
† " " 27 "
‡ " " 28 "

Table

(2) Abstract of observations taken at 8 hrs. at 215 stations

Number of sub-division	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	2	22	23	24
	XV.—Madras.																						
30	Mangalore	72	29·865	+·019	29·868	29·942	7th	29·790	19th	·152	84·3	92·1	+0·4	78·7	+0·5	85·4	+0·5	13·4	94·6	27th & 30th	75·0	23rd	19·6
	Calicut	27	29·902	+·023	29·858	29·973	5th	29·819	19th	·154	83·3	91·2	+0·2	76·9*	+0·9*	85·0*	+0·5	12·3	93·5	15th	74·6	5th	18·9
	Cochin	9	29·921	+·021	29·858	29·979	8th	29·855	19th	·124	84·3	91·4	−0·2	78·9	+0·5	85·1	+0·1	12·5	93·0	25th	71·9	16th	21·1
	Trivandrum	198	29·728	+·028	29·855	29·795	7th	29·651	19th	·144	83·0	89·4	+1·8	77·3	−0·9	83·5	+0·5	12·1	91·5	8th	74·8	16th	16·7
31	Pamban	37	29·882	+·023	29·846	29·958	7th	29·810	25th	·148	84·6	87·4	−4·1?	80·9	+1·8	84·1	−1·1?	6·5	88·7	23rd	77·8	30th	10·9
	Madura	447	29·479	+·031	29·855	29·554	7th	29·414	19th	·140	85·5	99·4	+0·4	78·2	+1·5	88·8	+0·9	21·2	102·1	4th	72·7	26th	29·4
	Pudukkottai	318	29·820	+·040	29·868	29·691	7th	29·565	19th	·126	84·4	98·9	−0·4	78·2	+0·6	88·6	+0·1	20·7	103·0	3rd	71·2	26th	31·8
	Negapatam	31	29·900	+·036	29·860	29·973	7th	29·820	25th	·153	85·6	92·1	−0·6	80·4	+1·1	86·3	+0·3	11·7	93·9	18th	76·1	12th	17·8
	Trichinopoly	255	29·679	+·036	29·866	29·764	8th	29·613	19th	·151	85·8	101·6	+0·5	77·9	+0·2	89·7	+0·3	23·7	104·9	13th	72·3	29th	32·6
	Coimbatore	1,341	28·605	+·047	29·870	28·672	7th	28·539	25th	·133	80·4	98·1	+0·9	73·7	+0·2	86·0	+0·5	24·4	101·0	4th	71·1	29th	29·9
	Salem	913	28·017	+·036	29·854	29·088	15th	28·935	22nd	·153	84·4	102·0	+1·2	77·4	+1·2	89·7	+1·2	24·6	104·0	4th	73·0	14th & 25th.	31·0
	Cuddalore	37	29·895	+·037	29·862	29·969	7th	29·830	18th	·139	84·5	92·3	−0·7	77·9	+0·6	85·1	−0·1	14·4	99·1	3rd	72·6	14th	26·5
	Vellore	707	29·223	+·039	29·864	29·305	8th	29·153	19th	·152	82·3	98·6	0	75·3	−1·2	86·9	−0·6	23·3	104·1	19th	65·4	26th	38·7
	Madras	22	29·907	+·035	29·860	29·988	8th	29·339	18th	·149	85·1	93·5	+0·4	77·6	+0·2	85·5	+0·3	15·9	99·7	19th	73·3	8th	26·4
32	Cuddapah	428	28·468	+·029	29·826	29·561	15th	29·396	19th	·165	88·7	105·3	−0·2	81·7	+1·0	93·5	+0·4	23·6	109·1	23rd	76·9	16th	31·2
	Bellary	1,475	28·425	+·023	29·810	28·505	15th	28·365	18th	·140	86·2	103·4	−0·2	77·7	+0·5	90·6	+0·1	25·7	107·5	19th	67·7	25th	39·8
	Kurnool	923	28·987	+·050	29·836	29·084	15th	28·917	22nd	·167	86·5	103·1	−0·9	79·7	+1·2	91·4	+0·1	23·4	106·4	23rd	73·4	27th	33·0
33	Nellore	66	29·838	+·032	29·839	29·945	15th	29·762	22nd	·183	81·0	98·2	−2·2	77·6	+0·2	87·9	−1·0	20·6	101·4	3rd	74·3	8th	30·1
	Masulipatam	15	29·908	+·036	29·858	30·010	15th	29·838	22nd	·172	84·4	94·1	−0·7	76·5	−1·2	85·3	−0·9	17·6	99·2	4th	73·1	9th	26·1
	Cocanada	26	29·896	+·033	29·859	29·987	7th	29·818	24th	·169	83·0	97·0	+1·0	77·7	−0·8	87·3	+0·1	19·3	102·5	16th	70·1	28th	32·4
	Waltair (Vizagapatam).	*226*	29·682	+·036	29·849	29·776	7th	29·590	24th	·186	82·9	90·8	+1·4	77·5	−0·7	84·1	+0·3	13·3	95·2	13th	69·3	24th	25·9
	Calingapatam	19	29·881		29·838	29·963	7th	29·795	24th	·171	83·6	92·7		76·8		84·7		15·9	97·6	16th	69·8	25th	27·8
	Gopalpur	52	29·823	+·037	29·815	29·913	7th	29·732	18th	·181	82·6	88·8	+0·9	76·1	+1·0	83·5	+0·9	10·7	91·9	17th	70·3	24th	21·6
	Bay Islands.																						
1	P. V. Fraser	8	29·880		29·872	29·970	15th	29·783	3rd	·187	82·9												
	Port Blair	58	29·867	+·029	29·875	29·973	7th	29·829	18th	·144	83·7	93·1	+0·8	78·7	−0·1	85·9	+0·3	14·4	95·6	24th	76·3	27th	19·3
	Table Island	90	29·852	+·022	29·876	29·935	7th	29·763	18th	·172	83·7	89·9	+0·3	80·3	+0·9	85·1	+0·6	9·6	92·4	26th	78·3	1st	14·1
	Kashmir.																						
13	Muzaffarabad		27·517			27·674	16th	27·367	24th	·307	61·4			56·4							48·7	8th	
	Srinagar	5,204	24·945	+·047	24·916	25·084	14th	24·830	23rd	·254	52·2	64·6	−1·8	45·8	+0·8	55·3	−0·5	19·0	79·1	26th	38·0	8th	41·1
	Dras	*10,059*	20·870	+·066	20·838	21·045	29th	20·659	12th	·386	30·8	41·5	+0·7	24·2	+4·4	34·4	+2·5	20·3	55·2	27th	13·7	4th	41·5
	Leh	*11,503*	19·761	+·055	19·728	19·931	29th	19·602	12th	·329	43·6	58·7	+3·2	32·1	+1·2	45·4	+2·5	26·6	65·8	27th	23·8	18th	43·0
	Skardu	*7,505*	22·914	+·034	22·884	23·094	29th	22·729	12th	·365	52·2	68·7	+7·2	42·0	−0·2	55·3	+3·5	26·7	77·4	1st	35·3	17th	42·1
	Gilgit	4,890	25·219	+·085	25·192	25·403	29th	25·060	12th	·343	60·8	75·0	+3·5	53·4	+0·6	64·2	+2·1	21·6	88·7	25th & 26th	43·2	16th	45·5

* Mean of 29 days.

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.

B—*continued.*

in India, etc., in April, 1915—*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 Decr., 1914 to 30th April, 1915.	Normal rainfall for period, 1st Decr. to 30th April.	Departure from normal of period, 1st Decr., 1914 to 30th April, 1915.	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
																																XV.—Madras.
5	7	8	8	1	0	0	0	1	N 47° E	N 60° E	5·1	2·3	+2·8	62	+32	71	+ 2	·833	+·022	3·1	−1·2	3	2·2	+ 0·8	0·51	1·48	− 0·97	2·11	2·16	− 0·06	0·19	Mangalore.
5	2	2	2	4	2	1	2	10	N 36° W	N 13° E	5·8	7·5	−1·7	20	−13	81	+ 4	·915	+·043	2·4	−2·1	5	4·7	+ 0·3	6·21	3·86	+ 2·35	13·29	6·11	+ 7·18	4·25	Calicut.
2	1	14	10	2	1	0	0	0	N 58° E	N 27° E	5·2	4·4	+0·8	72	+12	77	0	·898	+·013	2·6	−1·8	6	6·7	− 0·7	5·88	5·21	+ 0·67	22·67	10·28	+12·39	3·20	Cochin.
7	13	3	2	0	1	1	0	3	N 5° E	N 4° E	3·7	4·3	−0·6	49	− 3	77	− 2	·862	+·004	4·1	−0·3	5	7·0	− 2·0	3·82	4·72	− 0·90	16·00	9·89	+ 6·11	2·56	Trivandrum.
4	2	1	4	15	1	0	0	3	S 63° E	S 38° E	4·0	5·3	−1·3	46	0	80	+ 2	·943	+·016	3·7	+0·5	7	3·5	+ 3·5	3·04	1·96	+ 1·08	15·14	13·00	+ 2·14	0·95	Pamban.
6	4	4	4	2	0	2	3	5	N 2° E	N 41° E	3·3	2·3	+1·0	25	− 1	70	− 1	·852	+·012	5·2	+1·7	5	3·0	+ 2·0	1·05	2·25	− 1·20	2·97	5·53	− 2·56	0·30	Madura.
12	1	1	1	1	3	8	0	3	S 45° W		4·0			27		79	+ 4	·929	+·067	3·4	−1·5	4	2·4	+ 1·6	4·11	1·42	+ 2·69	13·93	4·80	+ 9·13	1·64	Pudukkottai.
0	1	0	2	9	7	5	6	0	S 5° W	S 6° E	9·1	5·0	+4·1	53	+23	79	+ 5	·968	+·065	4·9	+0·6	0	1·1	− 1·1	0	0·69	− 0·69	18·30	14·83	+ 3·47	0	Negapatam.
4	0	8	3	1	8	3	3	0	S 39° E	S 34° W	3·0	3·9	−0·9	23	+ 6	66	− 3	·816	−·007	3·3	−0·5	2	1·8	+ 0·2	0·60	1·77	− 1·17	5·47	6·17	− 0·70	0·40	Trichinopoly.
10	3	6	0	5	4	2	0	0	S 75° E	S 1° W	2·4	2·2	+0·2	23	+ 8	70	−11	·721	−·097?	2·3	−1·8	2	3·1	− 1·1	0·73	1·67	− 0·94	7·37	4·23	+ 3·14	0·39	Coimbatore.
10	1	4	7	2	2	2	2	0	S 83° E	S 67° E	4·7	3·4	+1·3	27	+14	71	− 2	·839	0	2·6	−1·0	3	3·7	− 0·7	1·57	2·02	− 0·46	3·41	4·31	− 0·90	1·00	Salem.
6	0	0	1	6	6	4	3	4	S 19° W	S 39° W	5·7	2·0	+3·7	33	−19	77	− 1	·911	−·028	3·3	−0·4	0	1·2	− 1·2	0	0·69	− 0·69	24·22	10·39	+13·83	0	Cuddalore.
19	0	0	0	1	0	2	1	7	N 67° W		2·2			24		75	+ 2	·828	+·013	2·0	−0·6	3	1·5	+ 1·5	1·84	1·01	+ 0·83	11·74	6·76	+ 4·98	0·85	Vellore.
0	2	0	1	1	18	6	2	0	S 13° W	S 10° W	4·8	5·5	−0·7	72	− 1	76	+ 1	·911	+·009	2·2	−2·1	1	0·8	+ 0·2	0·52	0·61	− 0·09	13·74	8·27	+ 5·47	0·43	Madras.
0	0	5	6	7	5	3	3	1	S 48° E	S 41° E				40	+ 3	60	+ 4	·808	+·060	1·4	−1·3	0	1·0	− 1·0	0·02	0·53	− 0·51	6·90	2·12	+ 4·78	0·02	Cuddapah.
9	2	0	0	2	1	2	8	6	N 79° W	N 69° W	3·4	3·9	−0·5	40	+10	54	+ 4	·674	+·081	1·6	−1·3	2	2·0	0	0·94	0·85	+ 0·09	3·82	1·35	+ 2·47	0·48	Bellary.
4	3	2	4	4	5	4	2	2	S 23° E	S 10° E	4·7			20	+13	57	+ 2	·718	+·045	2·5	+0·2	1	1·9	− 0·9	0·13	0·71	− 0·58	3·25	1·56	+ 1·69	0·11	Kurnool.
2	0	0	0	0	19	8	1	0	S 15° W	S 29° E	5·6†	6·0	−0·4	86	+19	74	0	·865	−·017	2·1	−2·1	0	0·5	− 0·5	0	0·41	− 0·41	14·06	5·18	+ 8·88	0	Nellore.
1	1	2	0	5	11	8	1	1	S 8° W	S 1° E	5·7	5·6	+0·1	56	−11	76	− 5	·894	−·094	3·0	−1·7	1	0·8	+ 0·2	0·33	0·66	− 0·33	7·33	2·55	+ 4·78	0·20	Masulipatam.
7	1	0	0	0	1	8	12	1	S 75° W	S 66° W	4·9	5·5	−0·6	59	+12	80	+ 4	·904	+·096	5·0	+0·7	2	1·0	+ 1·0	2·41	0·62	+ 1·79	4·94	2·79	+ 2·15	1·68	Cocanada.
0	2	0	0	1	2	18	7	0	S 55° W	S 75° W	7·1			76	+ 3	70	− 1	·781	−·032	2·8	−1·5	3	1·9	+ 1·1	1·31	0·86	+ 0·45	2·97	2·99	− 1·02	0·80	Waltair (Vizag.).
4	1	0	0	0	3	4	8	10	N 83° W		9·0			59		75		·857		1·4		3	4·0	− 1·0	3·36	2·43	+ 0·93	6·14	5·94	+ 0·20	1·95	Calingapatam.
6	0	0	1	0	10	11	2	0	S 26° W	S 35° W	10·1	13·1	−3·0	66	− 1	78	− 4	·864	−·009	2·3	+1·1	2	1·5	+ 0·5	0·54	0·79	− 0·25	2·77	3·03	− 0·26	0·39	Gopalpur.
																																Bay Islands.
1	0	0	0	1	5	22	1	0	S 37° W					87		87		·975		2·7		3			1·49			1·53			0·96	P. V. Fraser.
8	3	4	3	2	1	1	0	8	N 6° E	N 82° W	4·5	3·5	+1·0	27	− 3	74	−9	·884	−·051	3·1	−1·3	3	4·3	− 1·3	1·61	2·88	− 1·27	18·32	12·48	+ 5·84	0·68	Port Blair.
1	5	0	1	5	2	0	9	7	N 65° W		7·1			33		76	+1	·876	+·016	3·3	−1·7	0	1·4	− 1·4	0	0·78	− 0·78	4·45	3·14	+ 1·31	0	Table Island.
																																Kashmir.
29	0	0	0	0	0	1	0	0	S 45° W		0·5			3		73		·395		3·9		11			6·35			20·32			1·25	Muzaffarabad.
3	2	0	1	11	2	1	3	7	S 1° E	S 29° E	3·4	3·5	−0·1	12	+ 1	81	− 4	·318	−·004	5·8	+0·7	10	7·4	+ 2·6	6·89	3·65	+ 3·24	18·44	14·35	+ 4·09	1·89	Srinagar.
26	2	0	0	0	0	0	0	2	N 23° W		1·2			10		83§		·173§		4·6	−0·5	8	9·1	− 1·1	3·57	4·01	− 0·44	12·65	14·66	− 2·01	1·53	Dras.
14	0	1	1	2	5	1	1	1	S 4° E	S 66° W	4·0‡	2·3	+1·7	33	+ 5	40	− 9	·109	−·002	4·2	−1·5	1	0·7	+ 0·3	0·11	0·22	− 0·11	0·63	1·40	− 0·77	0·10	Leh.
18	0	2	2	1	0	2	5	0	S 73° W		4·2			7		71	+11	·277	+·060	3·7	−1·9	3	2·8	+ 0·2	1·74	1·11	+ 0·63	4·48	3·71	+ 0·77	1·20	Skardu.
28	0	0	0	1	0	1	0	0	S		0·5			5		61	+10	·321	+·077	4·7	−1·4	3	2·9	+ 0·1	2·19	1·05	+ 1·14	2·80	2·07	+ 0·73	1·39	Gilgit.

† Mean of 23 days. ‡ Mean of 29 days. § Mean of 6 days.

Table

(2) Abstract of observations taken at 8 hrs. at 215 stations

Number of sub-division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	Baluchistan.																						
15	Fort Sandeman	4,614	25·406		25·375	25·567	16th	25·264	11th	·303	59·8	82·5		53·5		68·0		29·0	94·7	27th & 30th.	43·1	12th	51·6
	Quetta	5,502	24·630	—·007	24·530	24·770	15th	24·480	5th	·290	51·9	71·9	—2·0	45·2	—0·6	58·5	—1·3	26·7	86·3	30th	32·1	14th	54·2
	Chaman	4,311	25·672	—·015	25·634	25·852	15th	25·518	10th	·334	62·5	71·0	—6·3	55·2	+1·0	63·1	—2·7	15·8	88·0	30th	38·7	13th	49·3
	Kalat	6,630	23·743		23·705	23·856	15th	23·584	5th	·272	47·5	68·2	—6·0	41·2	+4·4	54·7	—0·8	27·0	83·8	30th	28·8	14th	55·0
	Dalbandin	2,772	27·100		27·063	27·299	15th	26·927	10th	·372	63·9	84·9		57·0		71·0		27·9	101·3	25th	43·8	7th	57·5
	Pasni		29·910		29·870	30·062	15th	29·755	25th	·307	74·7	84·0		66·8		75·4		17·2	93·5	26th	61·2	13th	32·3
	Panjgur		26·729		26·687	26·885	15th	26·582	10th	·303	61·0	83·1		56·7		69·9		26·4	98·3	30th	46·8	12th	51·5
	Robat		26·817		26·775	27·050	15th	26·651	3rd	·399	67·6	85·2		63·1		74·2		22·1	102·8	30th	45·0	12th	57·8
	Hill stations, excluding Kashmir and Baluchistan.																						
	Para Chinar	6,000	24·453	+·035	24·429	24·569	18th	24·352	23rd	·217	55·1	68·4	+0·8	46·7	0	57·5	+0·4	21·7	80·8	23rd & 26th.	34·1	14th	46·7
	Cherat	*4,256*	25·731	+·056	25·699	25·865	15th	25·594	23rd	·271	61·4	70·4	—2·3	54·7	—1·2	62·5	—1·7	15·7	87·0	25th	36·3	7th	50·7
	Drosh (c)		25·165			25·275	14th	25·050	22rd & 24th	·225	53·1	66·7	—3·0	49·2	+0·4	58·0	—1·3	17·5	85·7	25th	39·2	12th	46·5
	Murree	6,323	23·869	+·042	23·837	23·962	15th	23·776	12th	·186	55·8	64·6	—2·4	51·3	+0·4	58·0	—1·0	13·3	77·9	26th	38·6	8th	39·3
	Simla	7,232	23·152	+·056	23·114	23·274	15th	23·065	23rd	·209	57·3	64·6	—0·6	52·4	+1·0	58·5	+0·2	12·2	72·7	28th	34·9	8th	37·8
	Sarain		23·187	+·052	23·149	23·284	15th	23·101	3rd	·183	47·1	64·6	+0·5	42·2	+0·1	53·4	+0·3	22·4	73·0	30th	33·2	8th	39·8
	Kalabagh																						
	Chakrata	7,022																					
	Mukteswar	7,592									56·5	67·6	—1·7	51·2*	+0·8*	59·4*	—0·5	16·4	72·7	30th	38·7	8th	34·0
	Darjiling	7,432	22·972		22·927	23·068	7th	22·844	2nd	·224	54·9	65·6	+3·1	50·0	+1·5	57·8	+2·3	15·6	72·1	16th	43·8	1st	28·3
	Shillong	4,920	25·140	+·035	25·092	25·246	7th	25·007	2nd	·239	66·2	74·7	+0·9	57·2	+0·6	66·0	+0·7	17·5	84·0	16th	45·3	24th	38·7
	Cherrapunji	4,309	25·708	+·033	25·659	25·825	7th	25·593	2nd	·232	65·2	71·5	+1·0	59·2†	+0·7†	65·5†	+0·9	12·3	79·6	22nd	53·3	25th	26·3
	Maymyo	3,546	26·465	+·049	26·410	26·552	7th	26·364	18th	·188	69·8	83·6	—0·7	59·7	+0·3	71·7	—0·2	23·9	89·0	19th & 20th.	53·6	12th	35·4
	Pachmarhi	3,528	26·482	+·035	26·429	26·591	15th	26·391	25th	·200	78·1	89·9	—2·2	69·5	+0·1	79·7	—1·1	20·4	98·2	30th	61·1	15th	37·1
	Mount Abu	3,945	26·084	+·038	26·034	26·154	15th	25·994	25th	·160	73·3	82·2	—2·6	67·1	—1·6	74·7	—2·1	15·1	91·0	30th	57·2	7th	33·8
	Mercara	3,781	26·249	+·015	26·182	26·321	7th	26·186	19th	·135	72·0	85·4	+1·4	62·8	—1·1	74·1	+0·1	22·6	90·3	12th	60·0	2nd & 21st	30·3
	Ootacamund	*7,347*	23·109	+·039	23·045	23·152	7th	23·065	19th	·087	63·8	72·1	+1·0	51·0	—0·9	61·6	+0·1	21·1	75·5	20th	45·1	15th	30·4
	Kodaikanal	7,688	22·883	+·031	22·818	22·928	7th	22·846	25th	·082	60·8	71·4	+2·1	53·5	—0·2	62·5	+0·9	17·9	75·0	4th	49·2	8th	25·8
	Extra India.																						
	Singapore (a)	10	29·570	—·050	29·801	29·925	6th	29·816	26th	·109	85·6	89·7	+1·1	74·5	—0·1	82·1	+0·5	15·2	93·0	2nd, 4th & 17th.	72·0	1st	21·0
	Penang (a)	17	29·872	—·043	29·814	29·959	7th	29·801	26th	·158	84·3	91·2	+0·2	74·2	—0·2	82·7	0	17·0	93·5	3rd & 8th.	72·0	5th & 6th.	21·5
	Trincomalee	99	29·827	+·037	29·855	29·893	7th	29·772	19th	·121	80·6	96·4	+4·9?	78·4	+0·7	87·4	+2·8?	18·0	99·6	3rd & 27th.	75·2	16th	24·4
	Colombo	24	29·904	+·014	29·852	29·976	7th	29·844	19th	·132	77·1	90·7	+1·4	75·5	—0·7	83·1	+0·3	15·2	92·5	15th	71·3	11th	21·2
	Hambantota	64	29·870		29·860	29·942	14th	29·819	25th	·123	77·5	89·7		76·1		82·9		13·6	92·2	13th	73·6	28th & 29th.	18·6
	Minicoy	7	29·950	+·040		30·089	2nd	29·871	19th	·218													
	Amini Divi	*13*	29·929	+·030	29·870	29·997	7th	29·851	19th	·146	85·8	93·9	+3·0	79·9	0	86·9	+1·5	14·0	96·5	23rd & 27th.	74·1	16th	22·4
	Gyantse	12,120	18·518			18·611	18th	18·406	2nd	·205	40·8	56·2		25·2		40·7		31·0	69·8	20th	15·2	1st & 6th	54·6
	Pharijong	14,400									32·5	58·2		14·7		36·4		43·5	61·1	29th & 30th.	2·0	8th	59·1
	Yangtok	5,667	24·445	—·005	24·400	24·518	26th	24·329	3rd	·189	60·3	71·0	+0·6	54·1	+7·0	62·6	+3·8	16·9	77·2	14th	46·8	1st	30·5
	Gartok (c)	15,100																					

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. * Mean of 27 days.

(c) Aneroid corrected. † " " 29 "

B—*continued.*

in India, etc., in April, 1915—*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., 1914 to 30th April, 1915.	Normal rainfall for period, 1st Dec. to 30th April.	Departure from normal of period, 1st Dec., 1914 to 30th April, 1915.	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
																																Baluchistan.
28	0	1	0	0	0	0	0	1	N		1·9			5		58		·285		2·0		5			2·65			5·00			1·00	Fort Sandeman.
21	1	0	2	3	2	1	0	0	S 42° E	S 45° W	2·2	2·6	−0·4	17	+10	75	+24	·293	+·027	3·0	+0·6	4	3·0	+1·0	1·96	1·04	+0·92	5·44	7·82	−2·38	0·64	Quetta.
1	0	0	11	15	2	1	1	1	S 58° E	S 2° W	5·4	5·9	−0·5	66	+23	58	+8	·329	+·024	2·4	−0·4	6	1·6	+4·4	2·83	0·56	+2·27	6·16	6·17	−0·01	0·80	Chaman.
26	0	0	1	0	1	2	0	0	S 10° W	S 35° W	4·7			8	−12	73	+24	·242	+·011	1·9		4	1·4	+2·6	1·45	0·45	+1·00	2·57	5·07	−2·50	0·65	Kalat.
15	1	3	2	2	2	3	1	1	S 45° E		5·5			10		55		·311		2·9		2			1·52			2·97			1·12	Dalbandin.
5	6	1	0	1	0	0	12	5	N 56° W		7·0‡			53		77		·654		2·7		3			2·59			6·67			1·03	Pasni.
10	3	9	5	1	2	0	0	0	N 61° E		5·3			43		74		·405		2·8		3			2·42			4·79			1·86	Panjgur.
11	1	1	0	0	0	3	12	2	N 88° W		4·8			49		52		347		1·1		3			0·94			1·89			0·56	Robat.
																																Hill stations, excluding Kashmir and Baluchistan.
30	0	0	0	0	0	0	0	0	Calm		1·0			(a)		65	+10	·274	+·026	3·7	+0·2	14	8·7	+5·2	15·41	3·82	+11·59	23·66	13·59	+10·07	4·00	Para Chinar.
1	22	0	0	2	3	0	0	2	N	N 11° W	8·9	9·6	−0·7	63	+11	55	+ 5	·283	+·016	4·8	+1·7	8	5·1	+2·9	5·53	2·62	+2·91	21·35	13·81	+7·54	1·67	Cherat.
24	0	1	2	1	0	2	0	0	S 56° E		2·8			7		67	+ 3	·259	−·009	4·9	+1·4	13	8·1	+4·9	8·81	4·17	+4·64	13·08	10·11	+2·97	1·37	Drosh.
5	7	1	2	13	1	0	1	0	S 77° E	N 68° E	5·6	6·8	−1·2	37	+17	56	+ 8	·255	+·011	5·3	+1·4	12	6·6	+5·4	6·65	3·67	+2·98	24·39	17·85	+6·54	1·18	Murree.
																43	+ 3	·204	+·016	2·8	−0·5	2	3·7	−1·7	1·70	1·75	−0·05	13·43	11·38	+2·05	1·14	Simla.
																75	+23	·243	+·035	3·1	−0·3	4	5·6	−1·6	2·03	2·75	−0·72	24·78	23·85	+0·93	1·12	Sarain.
																																Kalabagh.
																																Chakrata.
8	0	0	1	1	0	2	17	1	S 85° W		6·9			56		50§	+10	·234§	+·051	3·1	+0·3	3	3·6	−0·6	1·48	1·40	+0·08	11·24	8·70	+2·54	0·93	Mukteswar.
28	0	0	0	0	0	0	1	1	N 66° W	S 28° E	2·0	6·3	−4·3	7	− 1	81	+ 3	·348	+·012	7·6	+2·7	6	7·1	−1·1	2·53	3·66	−1·13	7·72	7·28	+0·44	1·07	Darjiling.
6	1	0	0	1	10	11	1	0	S 25° W		4·4			62		58	− 3	·365	−·003	2·4	−1·0	5	9·6	−4·6	5·04	4·21	+0·83	12·51	8·14	+4·37	2·29	Shillong.
1	0	2	2	3	6	10	6	0	S 29° W		6·7			53		81	− 4	·501	+·006	5·7	−1·1	12	18·0	−6·0	9·62	33·18	−23·56	21·08	45·09	−24·01	1·74	Cherrapunji.
21	0	0	1	0	1	6	1	0	S 59° W		1·9			23		75	+ 6	·547	+·008	1·9	−0·4	5	3·0	+2·0	3·90	1·88	+2·02	6·57	3·06	+3·51	1·33	Maymyo.
1	3	3	0	1	4	5	7	8	N 84° W	N 88° W	5·1	4·4	+0·7	40	+13	34	+ 4	·316	+·018	2·0	+0·2	2	0·7	+1·3	0·30	0·32	−0·02	6·17	2·44	+3·73	0·16	Pachmarhi.
1	1	2	0	2	0	9	7	8	N 89° W	N 63° W	4·9	6·4	−1·5	54	+11	33	+ 3	·263	+·002	2·9	+1·6	0	0·4	−0·4	0	0·15	−0·15	1·40	1·08	+0·32	0	Mount Abu.
18	1	4	5	0	0	0	1	1	N 53° E	N 21° W	2·2	2·9	−0·7	27	−13	71	− 8	·556	−·027	3·1	−1·4	7	5·3	+1·7	5·72	2·60	+3·12	8·14	4·53	+3·61	3·45	Mercara.
1	0	1	8	14	4	1	1	0	S 51° E		3·8			72		54	0	·315	+·008	1·9	−1·4	4	6·6	−2·6	1·37	2·40	−1·03	8·20	8·31	−0·11	0·64	Ootacamund.
0	4	10	10	4	0	0	0	2	N 63° E		8·3			66		61	+ 2	·321	+·008	1·5	−1·6	4	7·4	−3·4	3·92	4·28	−0·36	21·48	15·48	+6·00	2·99	Kodaikanal.
																																Extra India.
15	0	4	1	3	1	2	2	2	S 74° E					4						5·7	+0·9	14	11·7	+2·3	9·05	8·65	+0·40	35·55	45·45	−9·90	2·75	Singapore.
0	4	8	6	6	3	0	2	1	N 77° E		7·7			43								10	10·3	−0·3	4·97	7·53	−2·56	19·74	28·70	−8·96	1·38	Penang.
3	0	0	0	0	0	27	0	0	S 45° W	S 39° W	4·7	5·0	−0·3	89	+21	84	0	·866	−·056	4·0	+1·4	2	3·2	−1·2	1·18	2·06	−0·88	26·49	25·40	+1·09	0·98	Trincomalee.
16	0	14	0	0	0	0	0	0	N 45° E	S 12° E	3·0	4·6	−1·6	46	− 6	94	+11	·876	−·030	9·0	+4·1	12	10·6	+1·4	4·71	10·27	−5·56	21·94	25·69	−3·75	0·70	Colombo.
1	17	0	0	1	0	1	0	10	N 17° W		5·8			79		90		·844		3·0		5			7·60	3·12	+4·48	23·07	15·05	+8·02	3·95	Hambantota.
0	19	4	1	2	5	0	0	4	N 5° E	N 59° W	2·4	5·4	−3·0	77	+22					3·2	−0·9	1	4·2	−3·2	1·99	3·24	−1·25	13·09	9·83	+3·26	1·89	Minicoy.
1	14	4	0	0	0	0	1	10	N 12° W		5·3			83		72	− 1	·889	−·007	2·3	−2·4	1	2·0	−1·0	1·10	1·90	−0·80	7·02	3·46	+3·56	1·10	Amini Divi.
16	2	0	1	7	4	0	9	0	S 41° E		4·6†			30		69		·175		0·9		1			0·10			0·50			0·10	Gyantse.
0	5	1	2	9	5	2	6	0	S 16° E		6·6			23		80¶		·153¶		0		3			0·66			1·27‖			0·30	Pharijong.
28	0	1	0	0	0	0	0	0	N 45° E		1·2			3		81	+ 6	·423	+·038	0·7	−2·0	12	14·7	−2·7	9·83	11·43	−1·60	18·26	20·98	−2·12	1·70	Gangtok.
																																Gartok.

* 1 Wind less.
† Mean of 21 days.
‡ Mean of 28 days.
§ " " 27 "
¶ " " 24 "
(a) Indeterminate.
‖ Rainfall for January wanting.

Table

(2) Abstract of observations taken at 8 hrs. at 215

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 maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	Extra India—*concld.*																						
	Kashgar (*c*)	4,255	25·505	—·015		25·840	22nd	25·140	11th	·700	58·1	75·2	+4·7	50·5	+2·6	62·9	+3·7	24·7	89·3	28th	40·9	20th	48·4
	Kabul (*c*)		24·186	—·054		24·310	15th	24·060	5th & 12th.	·250	46·6	70·4	+0·4	41·7	—1·7	56·1	—0·7	28·7	89·8	25th	31·0	23rd	58·8
	Meshed	3,104	26·730		29·877	26·974	14th	26·479	1st	·495	51·2	63·9	—4·3	45·2	—1·7	54·5	—3·0	18·7	83·4	30th	33·5	13th	49·9
	Jask	13	29·878	+·008	29·844	30·077	15th	29·679	9th	·398	75·0	86·0	—0·5	72·0	—1·2	79·0	—0·9	14·0	93·9	25th	56·5	6th	27·4
	Muscat	20	29·909	+·039	29·877	30·097	15th	29·674	9th	·423	80·0	87·2	+0·7	76·1	—3·6	81·7	—1·5	11·1	94·9	28th & 30th.	70·3	3rd	24·6
	Bahrein	18																					
	Bushire	14	29·835	—·011	29·860	30·094	15th	29·736	8th	·358	73·1	79·3	—1·9	67·9	+0·8	73·6	—0·5	11·4	90·7	28th	59·8	6th	30·9
	Busrah†	25	29·874	—·061	29·869	30·107	14th	29·687	21st	·420	71·1	88·1	+4·3	64·9	—0·1	76·5	+2·1	23·2	102·3	14th	56·9	2nd	45·4
	Kerman (*c*)		24·494			24·645	14th & 15th.	24·340	10th	·305	57·1	74·8		54·6		64·7		20·2	88·0	29th	41·1	10th	46·9
	Ispahan (*b*) *	*5,817*	23·267	—·103		24·440	14th & 15th.	23·960	2nd	·480	51·6	67·7	—4·3	47·3	+1·5	57·5	—1·4	20·4	77·4	16th	41·7	5th	35·7
	Tehran (*b*)	*4,002*																					
	Baghdad	127																					
	Beirut (*a*)																						
	Aden	94	29·803	—·041	29·830	29·915	15th	29·694	22nd	·221	81·0	86·6	—2·1	79·8	+2·1	83·2	0	6·8	92·2	30th	76·7	16th & 17th.	15·5
	Zanzibar	72	29·936	0	29·934	29·999	8th	29·892	18th	·107	81·5	86·3	+1·9	78·6	+1·3	82·5	+1·6	7·7	90·1	4th	75·3	19th & 22nd.	14·8

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*) 8½ hrs. observations.
(*b*) Aneroid uncorrected.
(*c*) Aneroid corrected.
* 7 hrs observations.

† Mean of 29 days.

B—*concluded.*

stations in India, etc., in April, 1915—*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 Dec. 1914 to 30th April 1915.	Normal rainfall for period, 1st Dec. to 30th April.	Departure from normal of period, 1st Dec. 1914 to 30th April 1916.	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 —*concld.*
14	1	5	0	5	1	0	1	3	N 63° E	N 21° W	2·1	3·4	−1·3	13	+ 1	41	− 6	·201	−·012	5·7	+1·3	0	1·1	−1·1	0	0·28	−0·28	0·67	1·01	−0·34	0	Kashgar.
0	0	5	2	3	1	9	3	7	S 82° W	N 89° W				23	+10	70	+ 4	·233	−·032	3·7	+1·2	12	6·1	+5·9	16·95	2·86	+14·09	20·23	10·55	+9·68	2·61	Kabul.
24	3	0	0	1	1	0	0	1	N		1·9			7		83	+15	·319	+·007	6·4	+1·9	10	4·5	+5·5	3·74	1·75	+1·99	8·62	6·56	+2·06	0·73	Meshed.
2	5	2	3	0	0	1	1	6	N 41° E	N 45° W	8·7	7·2	+1·5	46	+31	71	+ 3	·617	−·056	2·7	+1·2	1	0·2	+0·8	0·18	0·06	+0·12	0·33	3·75	−3·42	0·18	Jask.
2	2	1	6	0	0	1	1	17	N 26° W	N 51° W	2·3	3·1	−0·8	53	+23	64	+ 5	·655	−·001	2·2	+1·1	3	0·4	+2·6	1·26	0·11	+1·15	2·54	3·35	−0·81	0·50	Muscat.
																							0·9			0·17			2·32			Bahrein.
9	5	2	3	1	1	0	3	6	N 14° W	N 1° E	5·3	6·6	−1·3	30	− 7	67	+ 1	·550	+·005	5·0	+1·8	3	1·1	+1·9	1·28	0·48	+0·80	7·71	9·38	−1·67	0·48	Bushire.
0	4	3	6	2	4	3	5	2	E		3·1†			3		78		·595				0	1·5	−1·5	0	0·48	−0·48	0 ‡	4·61	−4·61	0	Busrah.
29	0	0	0	1	0	0	0	0	S 45° E		1·3			3		63		·302		3·3		2			1·14			2·58			0·78	Kerman.
20	0	1	0	0	1	2	5	1	S 81° W	N 83° W	2·1	4·7	−2·6	20	−17	70	+ 9	·271	−·008	4·6	+1·9	3	2·4	+0·6	0·58	0·53	+0·05	1·16*	3·52	−2·42	0·20	Ispahan.
										S 63° W		3·2											3·0			1·13			7·07			Tehran.
										N 2° W		3·1											2·1			0·81			5·80			Baghdad.
																																Beirut.
2	1	25	1	0	0	0	0	0	N 45° E	N 80° E	14·0	11·2	+2·8	89	+15	81	+ 7	·859	+·056	4·9	+1·3	0	0·4	−0·4	0	0·27	−0·27	0	1·56	−1·56	0	Aden.
7	0	0	0	2	8	11	2	0	S 25° W	S 15° W	3·3	5·2	−1·9	63	−21	84	− 3	·897	+·029	7·3	+0·4	14	14·8	−0·8	9·62	13·85	−4·23	22·51	31·18	−8·67	2·33	Zanzibar.

* Rainfall for March wanting.

† Mean of 28 days.

‡ Rainfall for December 1914 and January 1915 wanting.

Table C.—Abstract of observations taken at 8 hrs. at 58 fourth and fifth class stations in India, etc., in April, 1915.

Table

Abstract of observations taken at 8 hrs. at 58 fourth

Number of sub-division.	Station.	Temperature of air.													Wind direction.										
		Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.	Number of winds from: 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.—Assam.																								
4	Balek	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Bishnath	72·1	84·4	+1·3	67·1	+4·4	75·7	+2·9	17·3	95·1	20th	61·7	10th	33·4	...	...	...	...	...	...	...	...	...	...	...
	Borjuli	73·8	85·1	−0·9	66·2	+1·7	75·7	+0·4	18·9	95·0	22nd	61·5	10th	33·5	...	...	...	...	...	...	...	...	...	...	...
	Chandkhira	75·2	92·7	+3·7	66·5	+0·2	79·6	+1·9	26·2	10[illegible]·1	2[illegible]nd	61·5	24th	40·6	...	...	...	...	...	...	...	...	...	...	...
	Doom Dooma	67·3	83·7	+4·8	64·6	+2·5	74·1	+3·7	19·1	93·7	19th	57·1	10th	36·3	...	...	...	...	...	...	...	...	...	...	...
	Dikom	71·8	83·6	+3·4	64·4	+0·4	74·0	+1·9	19·2	95·2	29th	49·0	9th	46·2	...	...	...	...	...	...	...	...	...	...	...
	Golaghat	71·4	82·2	+0·1	66·0	...	74·1	...	16·2	90·5	30th	60·8	10th	29·7	...	...	...	...	...	...	...	...	...	...	...
	Hailakandi	77·0	89·3	+2·0	69·0	+1·3	79·1	+1·7	20·3	97·4	22nd	6[illegible]·3	4th	36·1	...	...	...	...	...	...	...	...	...	...	...
	Jorehat	72·2	83·3	+1·5	67·1	+1·4	75·2	+1·5	16·2	93·0	30th	61·7	10th	31·3	...	...	...	...	...	...	...	...	...	...	...
	Lumding	72·8	87·2*	...	65·2	...	76·[illegible]*	...	22·1	96·3	16th	60·6	11th	35·7	...	...	...	...	...	...		...	...	...	...
	Messa	77·0	87·9	−1·9	64·1	−0·1	76·0	−1·0	23·8	98·[illegible]	22nd	57·0	5th	41·8	...	...	...	...	...	...	...	...	...	...	...
	Panerihat	67·0	87·8	+4·3	57·0	−0·6	72·4	−1·1	30·8	93·7	22nd	52·2	9th	41·5	...	...	...	...	...		...	...	...	...	...
	III.—Bengal.																								
5	Comilla	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Brahmanbaria	85·1	91·8	+0·4	72·8	+2·4	82·3	+1·4	19·0	99·0	20th & 22nd	62·9	3rd	36·1	...	...	...	...	...	...	...	...	...	...	...
	Faridpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Goalundo	80·1	96·6	+1·6	72·0	+0·3	81·3	+0·9	24·6	104·5	22nd	63·1	4th	41·4	...	...	...	...	...	...	...	...	...	...	...
	Pabna	82·5	98·4	+1·2	74·6	+4·0	86·5	+2·6	23·8	105·0	15th	66·7	16th	38·3	...	...	...	...	...	...	...	...	...	...	...
	Sirajganj	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Rampur Boalia	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Malda	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Rangpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Dam Dim	72·9	90·8	+1·5	64·7	+0·5	77·7	+1·0	26·1	96·7	15th & 17th	54·6	24th	42·1	...	...	...	...	...	...	...	...	...	...	...
	Kalchini	79·8	87·7	+0·5	67·1	+1·6	77·4	+1·1	20·6	92·1	16th, 20th & 21st	61·0	20th & 21st	31·1	...	...	...	...	...	...	...	...	...	...	...
	Nagrakata	76·9	90·5	+2·8	65·4	−0·9	77·9	+0·9	25·1	93·1	21st, 25th & 26th	61·0	1st & 26th	32·1	...	...	...	...	...	...	...	...	...	...	...
	Cooch Behar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Krishnagar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Bankura	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Raniganj (Asansol)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	IV.—Bihar and Orissa.																								
7	Hazaribagh	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	Bhagalpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Muzaffarpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Motihari	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Chapra	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Arrah	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Dehri	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

* Mean of 29 days.

C.

and fifth class stations in India, etc., in April, 1915.

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, 1914 to 30th April, 1915.	Normal rainfall of period, 1st December to 30th April.	Departure from normal of period, 1st December, 1914 to 30th April, 1915.	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.—Assam.
...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Balek.
...	...	...	...	...	92	+ 1	·729	+·077	...	...	10	12·5	−2·5	5·41	6·73	−1·32	10·20	11·69	−1·49	1·82	Bishnath.
...	...	...	...	...	81	− 5	·666	−·006	...	...	8	10·4	−2·4	4·39	5·11	−0·72	8·45	8·44	+0·01	1·00	Borjuli.
...	...	...	...	...	86	0	·746	+·004	...	...	10	12·8	−2·8	10·18	12·40	−2·22	16·90	18·07	−1·17	3·10	Chandkhira.
...	...	...	...	...	90	− 2	·609	−·013	...	...	11	15·0	−4·0	8·09	11·12	−3·03	15·71	21·16	−5·45	1·88	Doom Dooma.
...	...	...	...	...	84	− 6	·650	+·030	...	...	8	15·5	−7·5	4·00	11·65	−7·65	11·62	20·63	−9·01	0·95	Dikom.
...	...	...	...	...	89	0	·679	+·014	...	...	12	13·0	−1·0	5·98	6·52	−0·54	11·18	11·46	−0·28	1·18	Golaghat.
...	...	...	...	...	78	−10	·717	+·026	...	...	12	14·8	−2·8	14·16	14·49	−0·33	19·64	22·38	−2·74	3·31	Hailakandi.
...	...	...	...	...	86	+ 1	·696	+·052	...	...	14	13·3	+0·7	7·83	7·91	−0·08	13·53	13·21	+0·32	2·06	Jorehat.
...	...	...	...	...	83	...	·659	...	...	...	7	8·3	−1·3	3·93	3·86	+0·07	11·87	7·45	+4·42	1·1	Lumding.
...	...	...	...	...	79	0	·749	+·076	...	...	10	10·0	0	4·90	5·16	−0·26	9·92*	8·73	+1·19	0·9	Messa.
...	...	...	...	...	92	+ 6	·613	+·041	...	...	8	10·7	−2·7	6·47	6·59	−0·12	10·86	11·16	−0·30	1·97	Panerihat.
																					III.—Bengal.
...	...	...	...	...	...	...	...	...	...	...	6	6·9	−0·9	5·05	6·37	−1·32	12·08	10·65	+1·43	1·90	Comilla.
...	...	...	...	...	80	0	·818	+·072	...	...	8	7·8	+0·2	8·18	6·76	+1·42	17·98	10·91	+7·07	3·08	Brahmanbaria.
...	...	...	...	...	...	...	...	...	...	...	5	6·0	−1·0	5·52	4·53	+0·99	17·04	8·25	+8·79	1·85	Faridpur.
...	...	...	...	...	80	+ 3	·817	+·018	...	...	4	6·3	−2·3	2·75	4·45	−1·70	9·38	7·87	+1·51	1·25	Goalundo.
...	...	...	...	...	76	− 3	·841	+·034	...	...	2	4·7	−2·7	1·93	3·12	−1·19	4·63	6·05	−1·42	1·30	Pabna.
...	...	...	...	...	...	...	...	...	...	...	3	5·0	−2·0	3·13	3·29	−0·16	5·11	5·92	−0·81	1·27	Sirajganj.
...	...	...	...	...	...	...	...	...	...	...	2	2·9	−0·9	0·36	1·90	−1·54	6·98	4·06	+2·92	0·20	Rampur Boalia.
...	...	...	...	...	...	...	...	...	...	...	1	2·0	−1·0	0·10	1·03	−0·93	1·87	3·45	−1·58	0·10	Malda.
...	...	...	...	...	...	...	...	...	...	...	2	4·3	−2·3	0·44	2·99	−2·55	2·67	5·37	−2·70	0·26	Rangpur.
...	...	...	...	...	81	− 5	·656	−·049	...	...	9	6·7	+2·3	3·53	5·68	−2·15	9·33	8·95	+0·38	0·69	Dam Dim.
...	...	...	...	...	76	− 2	·788	+·043	...	...	12	9·0	+3·0	7·51	5·89	+1·62	13·37	9·21	+4·16	1·32	Kalchini.
...	...	...	...	...	66	− 7	·595	−·014	...	...	7	8·8	−1·8	6·99	5·94	+1·05	12·14	10·44	+1·70	3·85	Nagrakata.
...	...	...	...	...	...	...	...	...	...	...	7	6·4	+0·6	3·18	4·99	−1·81	11·34	7·85	+3·49	0·85	Cooch Behar.
...	...	...	...	...	...	...	...	...	...	...	2	3·8	−1·8	1·61	2·34	−0·73	7·24	5·64	+1·60	1·23	Krishnagar.
...	...	...	...	...	...	...	...	...	...	...	1	3·1	−2·1	0·78	1·38	−0·60	5·02	4·05	+0·97	0·73	Bankura.
...	...	...	...	...	...	...	...	...	...	...	0	2·8	−2·8	0·04	1·57	−1·53	1·98	4·20	−2·22	0·04	Raniganj (Asansol).
																					IV.—Bihar and Orissa.
...	...	...	...	...	...	...	...	...	...	...	1	1·5	−0·5	0·24	0·54	−0·30	6·72	3·61	+3·11	0·24	Hazaribagh.
...	...	...	...	...	...	...	...	...	...	...	0	1·6	−1·6	0·01	0·76	−0·75	3·02	2·73	+0·29	0·01	Bhagalpur.
...	...	...	...	...	...	...	...	...	...	...	0	1·0	−1·0	0·05	0·43	−0·38	2·36	2·09	+0·27	0·05	Muzaffarpur.
...	...	...	...	...	...	...	...	...	...	...	0	1·2	−1·2	0·08	0·85	−0·77	3·79	2·50	+1·29	0·08	Motihari.
...	...	...	...	...	...	...	...	...	...	...	0	0·7	−0·7	0	0·32	−0·32	2·51	2·06	+0·45	0	Chapra.
...	...	...	...	...	...	...	...	...	...	...	0	0·5	−0·5	0	0·29	−0·29	2·94	2·36	+0·58	0	Arrah.
...	...	...	...	...	...	...	...	...	...	...	0	0·6	−0·6	0	0·20	−0·20	4·58	2·30	+2·28	0	Dehri.

* Rainfall for December 1914 wanting.

Table

Abstract of observations taken at 8 hrs. at 58 fourth

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.	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
	V.—United Provinces of Agra and Oudh.																								
10	Meerut	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Dehra Dun	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	IX.—Rajputana.																								
18	Udaipur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		...	...	...	...	...	...	...
	XII.—Central Provinces.																								
23	Chhindwara	81·3	96·9	...	70·5	...	83·7	...	26·4	104·5	24th	65·1	19th	39·4	13	4	2	0	1	1	1	3	5	N 36° W	...
	XIII.—Hyderabad.																								
	Parbhani	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	XV.—Madras.																								
31	Tinnevelly	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
32	Anantapur	86·5	103·7	...	79·1	...	91·4	...	24·6	105·8	23rd & 24th.	71·5	15th	34·3	...	...	...	...	...	...	...	...	...	...	...
33	Guntur	82·7	99·5	...	76·6	...	88·0	...	22·9	105·1	3rd	72·0	28th	33·1	...	...	...	...	...	...	...	...	...	...	...
	Bay Islands.																								
1	Car Nicobar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Kashmir.																								
13	Jammu	78·1	89·9	...	69·4	...	79·6	...	20·5	99·6	26th	56·8	8th	42·8	0	11	16	2	0	1	0	0	0	N 32° E	...
	Sonamarg	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Kargil	45·5	64·0	...	33·7	...	48·8	...	30·3	76·3	26th & 27th.	28·0	18th	48·3	0	22	0	1	2	1	1	0	3	N 1° W	...
	Baluchistan.																								
15	Harnai	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Hill stations, exclusive of Kashmir.																								
	Panighatta	74·1*	86·7*	−0·9	67·6	+0·8	77·1*	−0·1	19·1	93·1	16th	61·0	1st	32·1	...	...	...	...	...	...	...	...	...	...	...
	Kurseong	63·4	70·5	−0·9	58·9	+1·1	64·7	+0·1	11·6	77·5	22nd	52·2	24th	25·3	...	...	...	...	...	...	...	...	...	...	...
	Gnatong	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Lachung	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Bingim	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Mussooree	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Poo	...	63·2	+4·3	42·3	+3·5	52·7	+3·9	20·9	72·7	27th	32·5	8th	40·2	23	0	0	0	0	1	4	2	0	S 51° W	...
	Kailang	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Bakloh	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Pishin	...	72·6	−3·2	46·5	+3·1	59·5	−0·1	26·1	88·4	26th & 30th.	33·0	13th & 14th.	55·4	...	...	...	...	...	...	...	...	...	...	...

* Mean of 29 days.

C—*continued.*

and fifth class stations in India, etc., in April, 1915—*continued.*

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, 1914 to 30th April, 1915.	Normal rainfall of period, 1st December to 30th April.	Departure from normal of period, 1st December, 1914 to 30th April, 1915.		
27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
																					V.—United Provinces of Agra and Oudh.
...	...	...	...	...	...	...	...	...	...	...	1	0·8	+0·2	0·29	0·33	−0·04	7·24	3·47	+3·77	0·24	Meerut.
...	...	...	...	...	...	...	...	...	...	...	2	1·7	+0·3	0·39	0·70	−0·31	11·37	7·15	+4·22	0·29	Dehra Dun.
																					IX.—Rajputana.
...	...	...	...	...	...	...	...	...	...	...	0	0·5	−0·5	0·02	0·25	−0·23	2·84	0·67	+2·17	0·02	Udaipur.
																					XII.—Central Provinces.
2·3	...	...	30	...	43	...	4·53	...	1·8	...	2	...	...	0·59	...	...	4·29	...	...	0·30	Chhindwara.
																					XIII.—Hyderabad.
...	...	...	...	...	...	...	...	...	...	..	1	0·8	+0·2	0·23	0·37	−0·14	8·75	0·90	+7·85	0·12	Parbhani.
																					XV.—Madras.
...	...	...	...	...	...	...	...	...	...	...	4	4·3	−0·3	2·54	2·88	−0·34	23·55	9·60	+13·95	1·96	Tinnevelly.
...	...	...	...	...	62	...	·770	...	2·1	...	0	1·1	−1·1	0	0·53	−0·53	1·21	0·89	+0·32	0	Anantapur.
...	...	...	...	...	86	...	·958	...	0·5	...	2	0·8	+1·2	1·12	0·52	+0·60	11·21	2·23	+8·98	0·70	Guntur.
																					Bay Islands.
...	...	...	...	...	...	...	...	...	...	...	...	5·6	...	...	3·38	...	...	16·95	...	...	Car Nicobar.
																					Kashmir.
...	...	...	80	...	47	...	·435	...	1·4	...	4	1·7	+2·3	1·75	0·88	+0·87	12·61	9·83	+2·78	0·55	Jammu.
...	...	...	...	...	...	...	...	...	...	...	12	13·0	−1·0	11·63	10·26	+1·37	45·01	53·86	−8·85	1·98	Sonamarg.
...	...	...	70	...	94	...	·290	...	4·3	...	3	4·0	−1·0	1·86	1·88	−0·02	4·96	6·58	−1·62	1·25	Kargil.
																					Baluchistan.
...	...	...	...	...	...	...	...	...	...	...	7	1·5	+5·5	4·10	0·49	+3·61	7·98	5·17	+2·81	1·40	Harnai.
																					Hill stations, exclusive of Kashmir.
...	...	...	...	...	69‡	+ 8	·573‡	+·027	...	...	6	5·5	+0·5	4·16	3·55	+0·61	12·21	7·06	+5·15	1·22	Panighatta.
...	...	...	...	...	96	+23	·568	+·143	...	...	4	6·7	−2·7	2·73	4·39	−1·66	9·18	8·08	+0·10	1·07	Kurseong.
...	...	...	...	...	...	...	...	...	...	...	11	...	...	10·89	...	...	23·62†	...	...	3·20	Gnatong.
...	...	...	...	...	...	...	...	...	...	...	11	...	...	3·90	...	...	14·17	...	...	1·07	Lachung.
...	...	...	...	...	...	...	...	...	...	...	13	...	...	6·41	...	...	10·57*	...	...	2·41	Ringim.
...	...	...	...	...	...	...	...	...	...	...	3	2·3	+0·7	1·14	1·10	+0·04	21·65	9·83	+11·82	0·62	Mussooree.
...	...	...	23	...	...	...	...	...	4·1	+0·3	3	4·5	−1·5	1·06	2·20	−1·14	7·20	10·78	−3·58	0·50	Poo.
...	...	...	...	...	...	...	...	...	...	...	6	6·3	−0·3	3·22	3·17	+0·05	12·82	13·68	−0·86	1·10	Kailang.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Bakloh.
...	...	...	...	...	...	...	...	...	2·0	...	5	1·9	+3·1	2·61	0·71	+2·10	5·91	7·50	−1·59	1·18	Pishin.

* Rainfall for February 1915 wanting.
† ,, since 1st February 1915.
‡ Mean of 29 days.

Table

Abstract of observations taken at 8 hrs. at 58 fourth

Number of sub division.	Station.	Temperature of air.													Wind direction.										
		Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.	Number of winds from: 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.																								
	Chambi *	46·0	55·6†	...	38·3	...	47·0†	...	17·3	72·0	17th	33·1	4th & 5th	38·9	...	...	...	...	...	...	...	...	...	...	...
	Pemba	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Prison Island	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Seistan	...	82·1	...	58·1	...	70·1	...	24·0	100·0	30th	45·0	12th, 13th & 14th.	55·0	0	6	3	2	0	1	1	5	12	N 34° W	...

* Mean of 26 days. † Mean of 24 days.

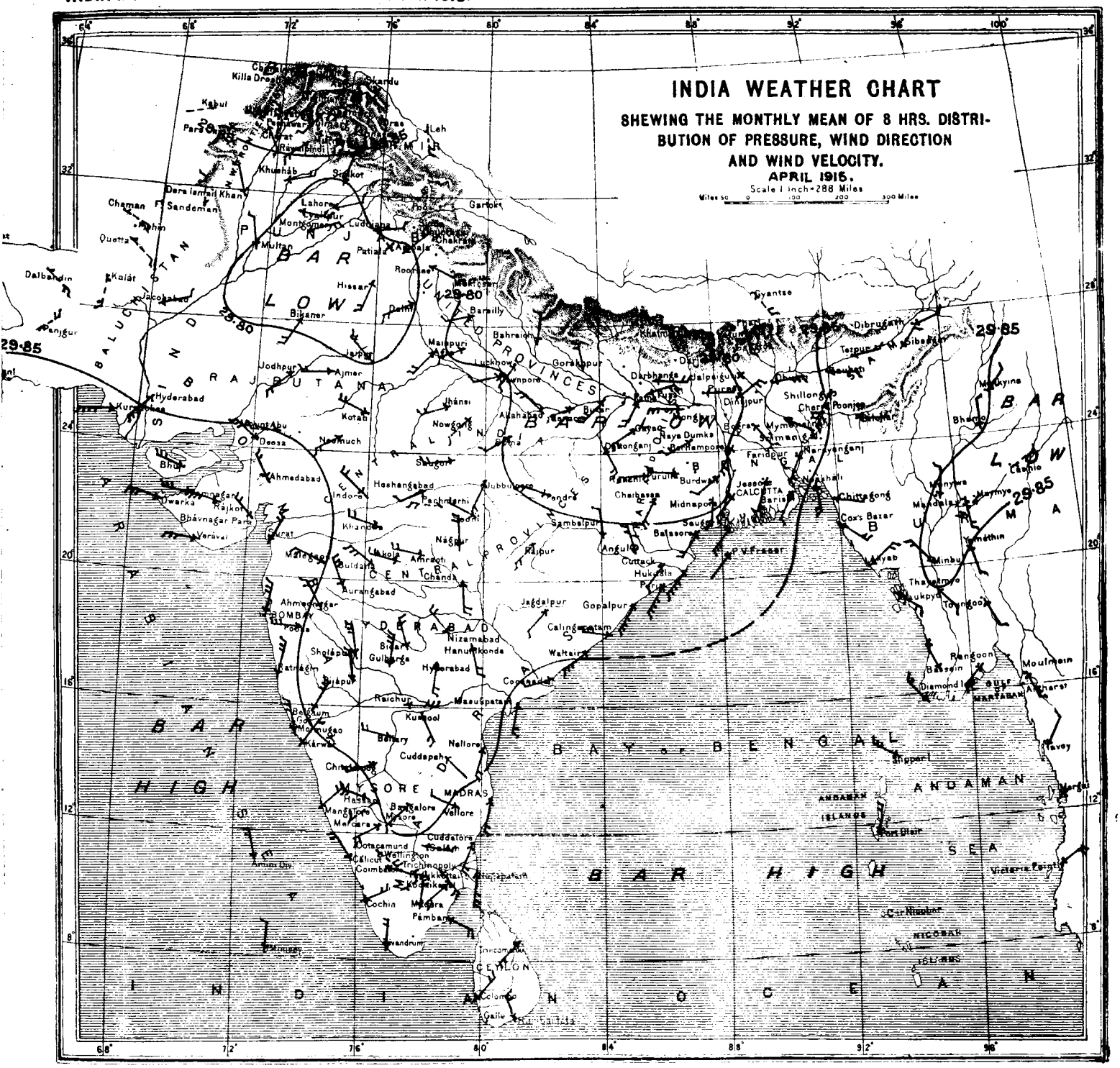
C—*concluded.*

and fifth class stations in India, etc., in April, 1915—*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, 1914 to 30th April, 1915.	Normal rainfall of period, 1st December to 30th April.	Departure from normal of period, 1st December, 1914 to 30th April, 1915.		
27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
																					Extra India.
...	...	...	...	...	64	...	·193	...	...	...	4	...	...	1·32	...	...	2·84a	...	...	0·75	Chumbi.
...	...	...	...	...	...	...	...	...	...	...	20	19·0	+1·0	20·17	24·31	−4·14	32·16	41·80	−9·64	2·83	Pemba.
...	...	...	...	...	...	...	...	...	...	...	...	14·9	...	...	15·26	...	...	30·69	...	...	Prison Island.
9·7	...	...	60	...	...	...	...	...	...	...	1	...	...	0·45	...	...	1·39	...	...	0·45	Seistan.

a Rainfall for January 1915 wanting.

CALCUTTA
SUPERINTENDENT GOVERNMENT PRINTING, INDIA
8, HASTINGS STREET

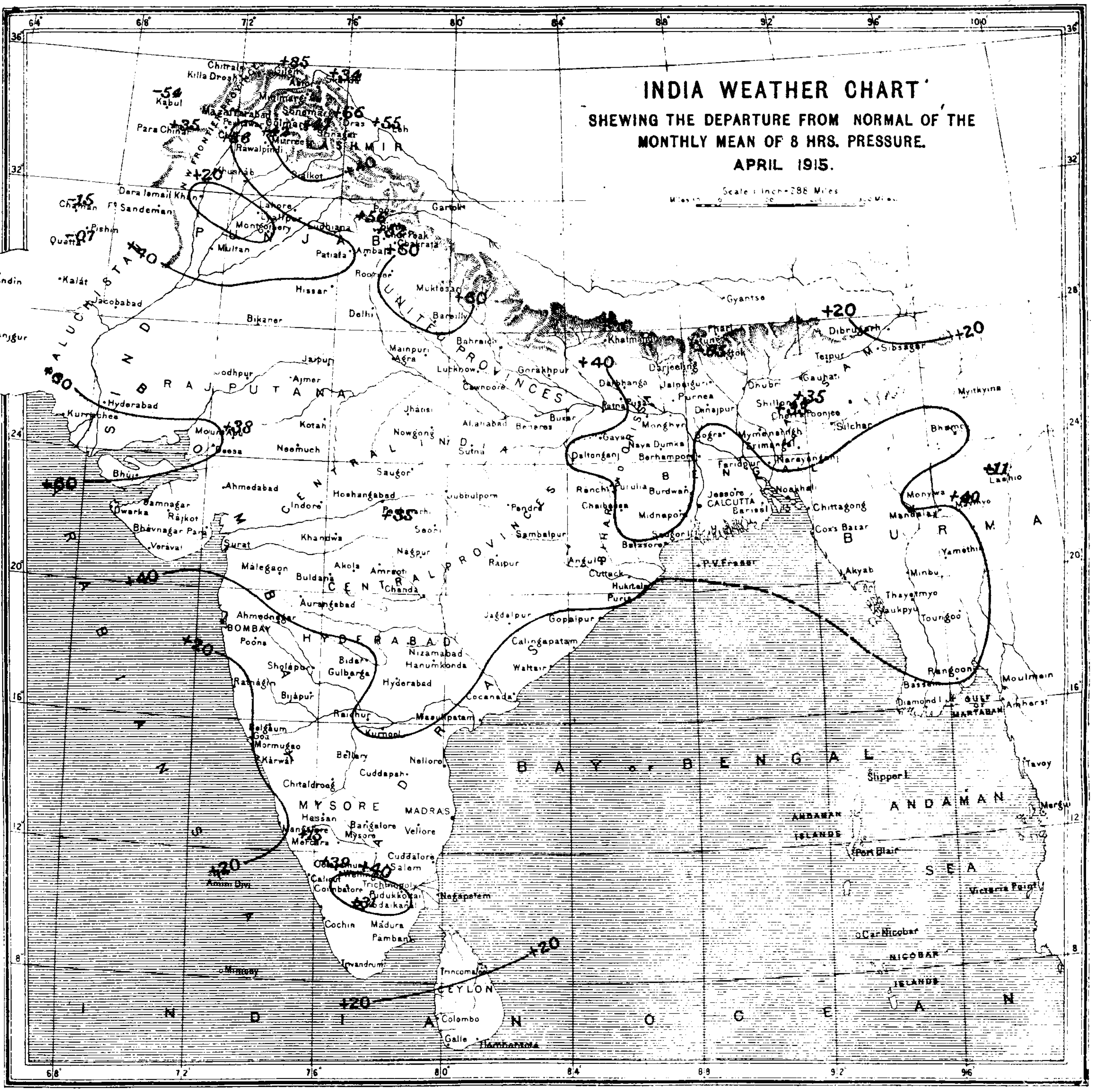


The lines of the above chart represent isobars or lines of equal barometric pressure, the numbers attached indicating the barometric pressure in inches and being drawn for differences of pressure of ·05 inch. The isobars in the Bay of Bengal are filled in by means of the shore observations, and by comparison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

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

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

Wind strengths are based on factor 2·2 for the standard type of Beckley Robinson anemograph, instead of 3·0 as used for this plate up to December 1911 inclusive.



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.

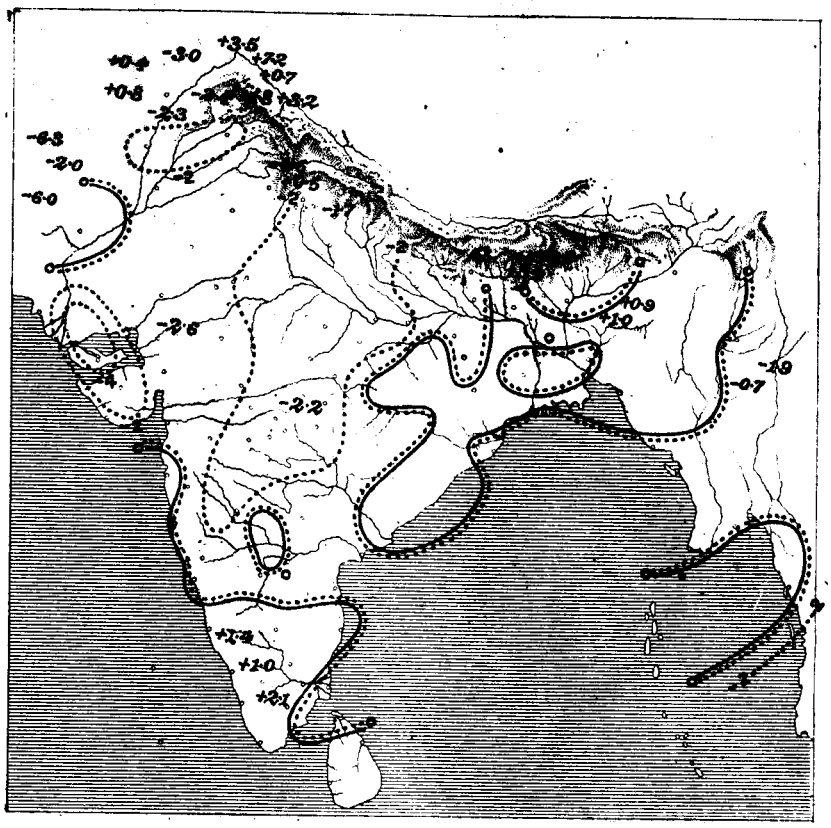


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MINIMUM TEMPERATURE.

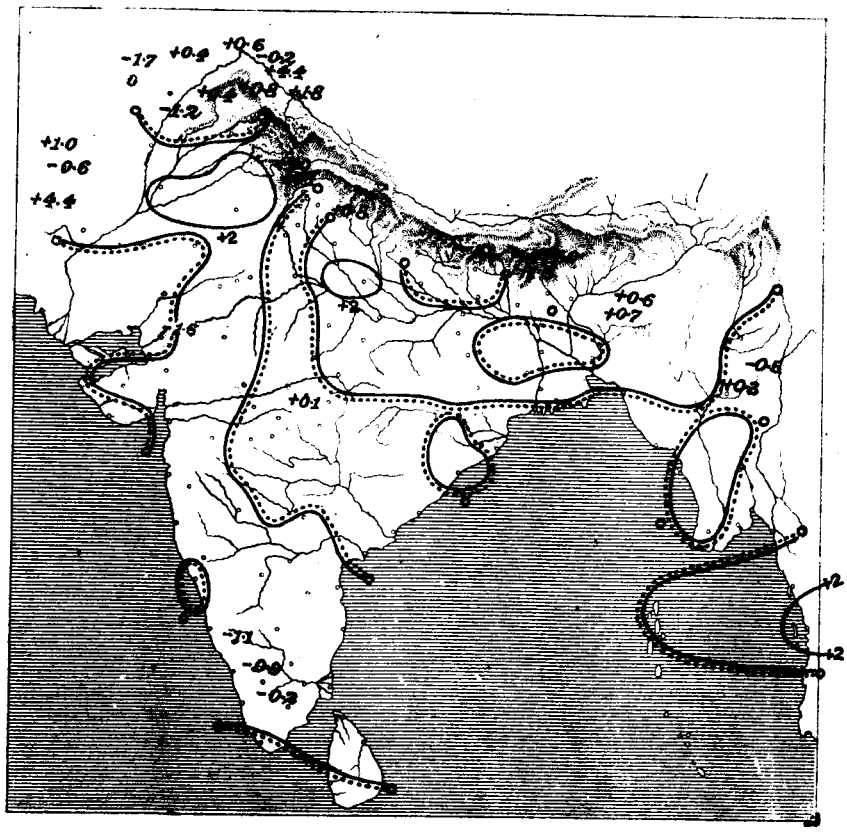


CHART SHEWING THE DEPARTURE FROM NORMAL
OF THE MONTHLY MEAN OF DAILY
MEAN TEMPERATURE.

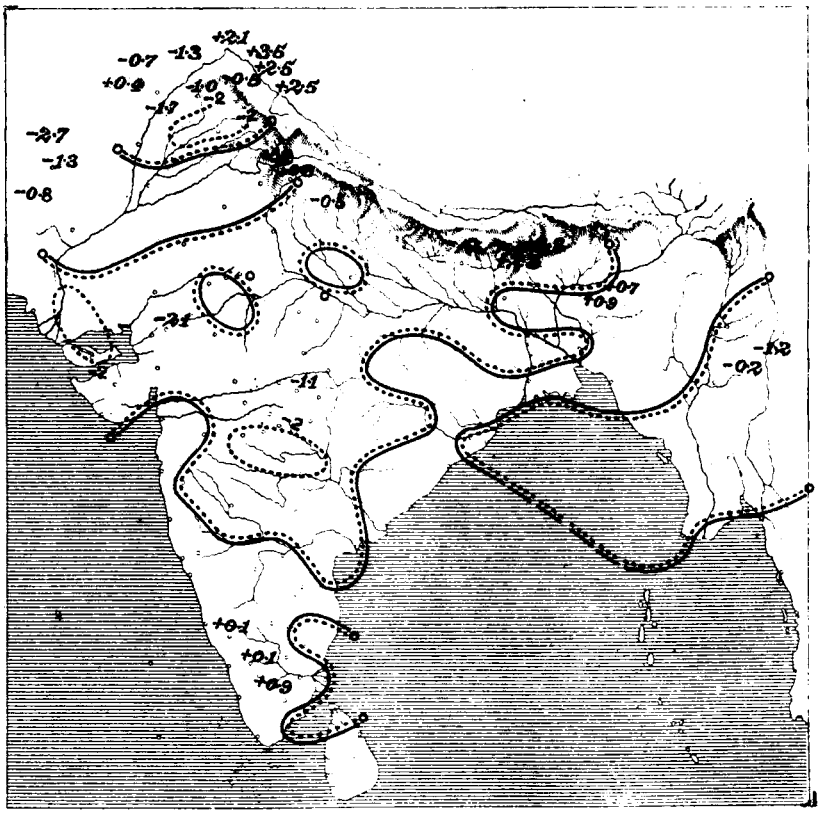


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF ABSOLUTE HUMIDITY AT 8 HRS.

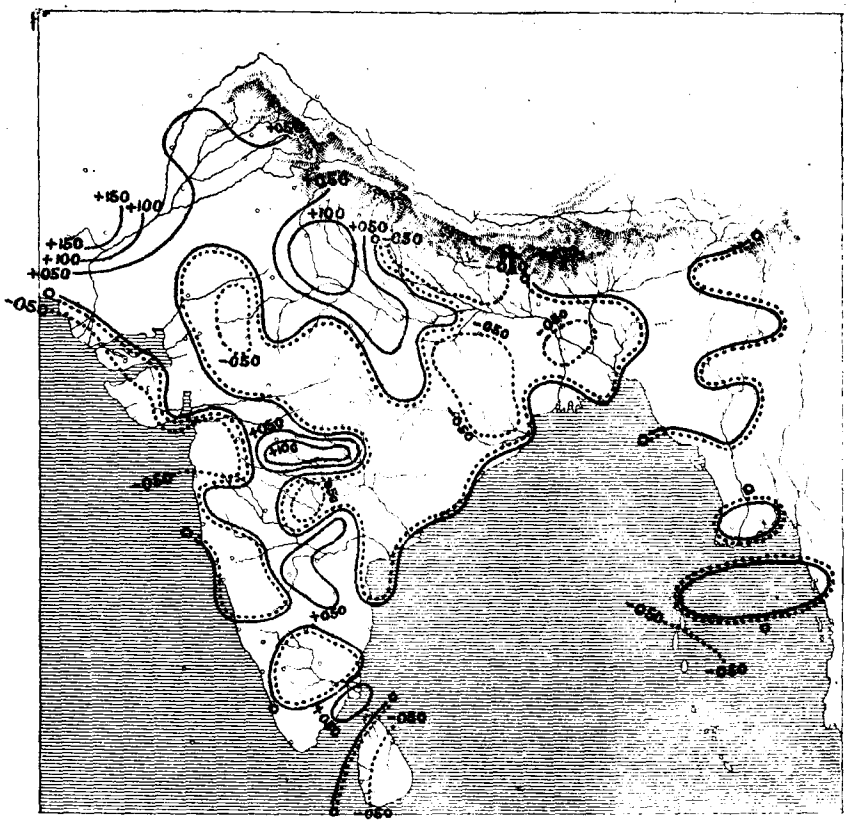


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF RELATIVE HUMIDITY AT 8 HRS.

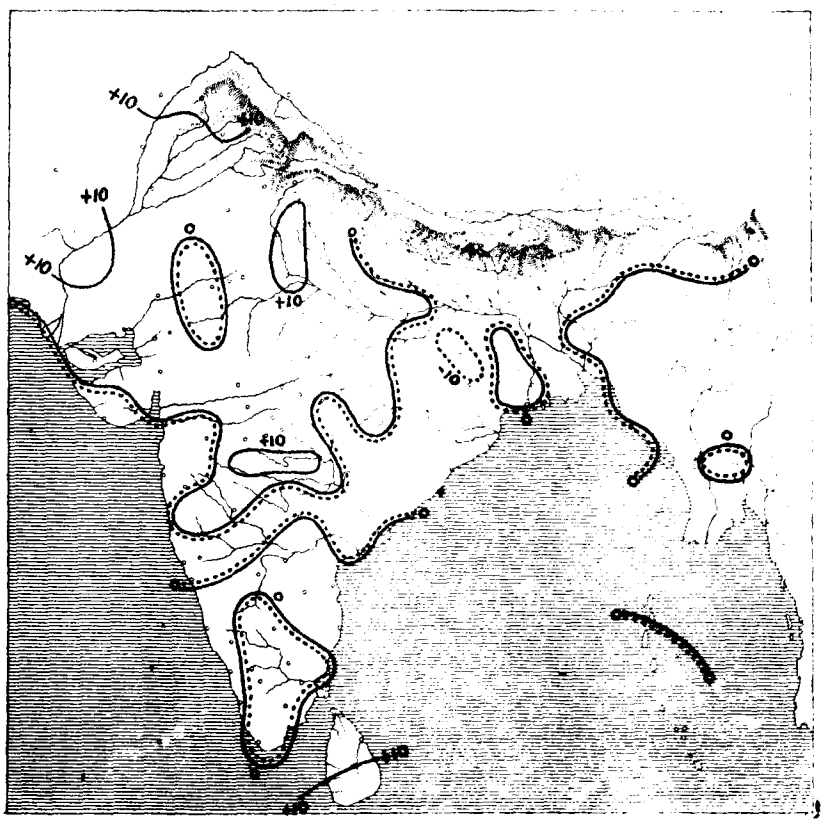


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF CLOUD AMOUNT AT 8 HRS.

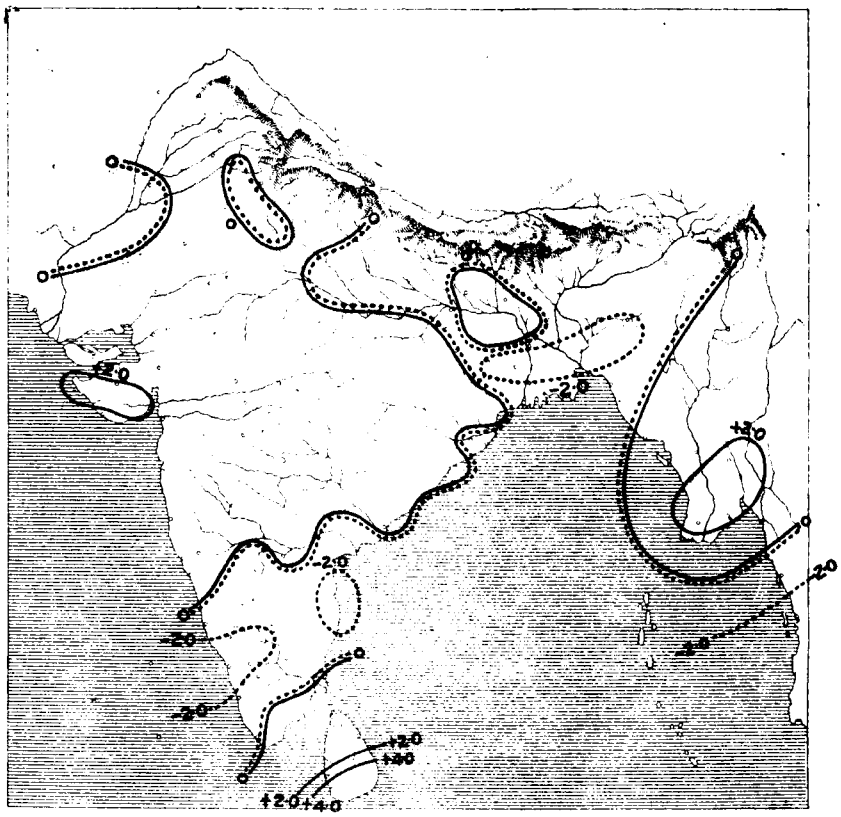
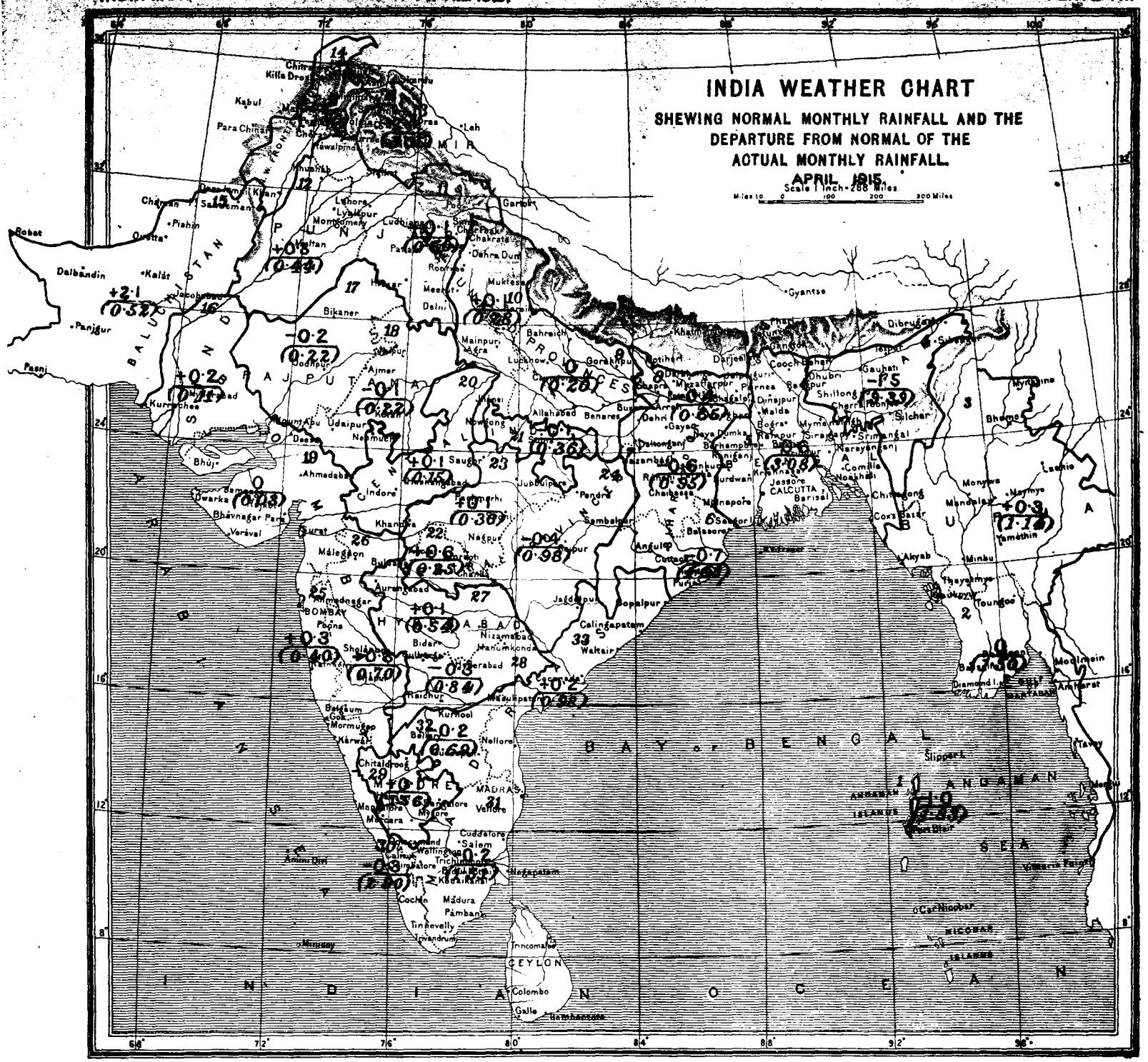


CHART SHEWING THE TOTAL NUMBER OF DAYS IN THE MONTH ON WHICH RAINFALL EQUALLED OR EXCEEDED 0·10 INCH.

(BASED ON THE RETURNS OF TABLE B.)



The country is divided into 33 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. Bengal
6. Orissa
7. Chota Nagpur
8. Bihar
9. United Provinces, East
10. United Provinces, West
11. Punjab, East and North
12. Do., Southwest
13. Kashmir
14. Northwest Frontier Province
15. Baluchistan
16. Sind
17. Rajputana, West
18. Rajputana, East
19. Gujarat
20. Central India, West
21. Do., East
22. Berar
23. Central Provinces, West
24. Do., East
25. Konkan
26. Bombay, Deccan
27. Hyderabad, North
28. Hyderabad, South
29. Mysore
30. Malabar
31. Madras, Southeast
32. Madras, Deccan
33. Madras Coast, North

GOVERNMENT OF INDIA

METEOROLOGICAL DEPARTMENT

MONTHLY WEATHER REVIEW

MAY 1915.

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UNDER THE DIRECTION OF

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Offg. Director-General of Observatories

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The Indian Meteorologist's *Vade Mecum*, Part I, 2nd Edition (1883) . . . . . Price Rs. 3	Henry F. Blanford.
Instructions to Observers of the India Meteorological Department, 2nd Edition. (1902) . . . Price Rs. 3	Sir John Eliot.
Handbook of Cyclonic storms in the Bay of Bengal for the use of sailors, 2nd Edition, Vol. I—Text. (1900) Price Rs. 4	Ditto.
Handbook of Cyclonic storms in the Bay of Bengal for the use of sailors, 2nd Edition, Vol. II—Plates. (1901) . Price Re. 1-8	Ditto.
Cyclone Memoirs, Part II—Bay of Bengal Cyclone of August 21st to 28th, 1888. (1890) . . . Price Rs. 3	Ditto.
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Meteorological Atlas of the Indian seas and the North Indian Ocean. (1908) . Price Rs. 13 or 17 shillings 6 pence	W. L. Dallas.
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Reports on the Meteorology of India for the years 1875—1890 (16 volumes)* . . . . . Price each Rs. 10	Departmental.
Rainfall of the Bombay Presidency for years previous to 1891, Vol. I (1910) . . Price Rs. 6-12 or 10 shillings	Ditto.
Rainfall of the Bombay Presidency for years previous to 1891, Vol. II (1912) . . Price Rs. 6-12 or 10 shillings	Ditto.
Rainfall data of India for 1908 to 1911 . Price each Rs. 5	Ditto.
Annual Rainfall of India for 1907 to 1913	Ditto.
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Monthly Weather Reviews for each month, January, 1891, to May, 1915‡ . . . Price each part Re. 1	Ditto.
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Variation of rainfall in Northern India	S. A. Hill.
Meteorological and hypsometrical observations in Western Tibet, recorded by Dr. J. Scully, with a discussion . . Price Rs. 3	Henry F. Blanford.
Part IV, comprising—	
The winds of Karachi . . . . . Price Rs. 3	Fred. Chambers.
Part V, comprising—	
Some results of the meteorological observations taken at Allahabad during the 10 years 1870—79 . . .	S. A. Hill.
The diurnal variations of the barometer at Indian stations, Part II, Goalpara, Patna and Leh . . Price Rs. 3	Henry F. Blanford.
Part VI, comprising—	
The Meteorology of the North-West Himalaya . Price Re. 1	S. A. Hill.
Indian Meteorological Memoirs, Vol. II, containing :—	
Part I, comprising—	
Account of the south-west monsoon storm of the 18th to the 24th of September, 1878, in the north of the Bay of Bengal	Sir John Eliot.
List of cyclones on the West Coast of India and in the Arabian Sea up to the end of year 1881 . Price Rs. 2	Fred. Chambers.
Part II, comprising—	
Note on the foregoing list of cyclones and on the Gujarat land cyclone of July 11th to 13th, 1881	Henry F. Blanford.
On the temperature of North-Western India . Price Rs. 2	S. A. Hill.
Part III, comprising—	
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Indian Meteorological Memoirs, Vol. VII, containing :—	
Hourly observations of pressure, temperature, vapour tension, humidity, cloud, wind direction and velocity of wind taken at Trivandrum during the years 1853 to 1864. Complete in 7 parts . . Price each part Re. 1-8	Sir John Eliot.

* Copies for the years 1876, 1878 to 1881, 1884, 1887 and 1890 are out of print.

† Copies for the years 1891 to 1905 are out of print.

‡ Published continuously about four months after date. Copies for 1891—97, January, 1898, January, 1899, to May, 1902, January to November (June excepted), 1906, and January and March, 1904, are out of print.

Continued on page iii of this cover.

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MONTHLY WEATHER REVIEW.

PUBLISHED BY ORDER OF

THE GOVERNMENT OF INDIA.

CALCUTTA, MAY, 1915.

INTRODUCTION.

THIS review of the weather in India during the month of May, 1915, is based on observations taken daily at 8 hrs. at 214 stations, and on additional observations taken at 10 hrs. and 16 hrs. at 12 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, magnetic and seismic 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. During the greater part of the month there was a strong influx of damp air across the Burma and Bengal coasts. The distribution of pressure over northern India was however unfavourable for the advance of humid winds up the Gangetic plain with the result that, while unusually dry weather prevailed over the whole region stretching westwards from the east of the United Provinces to Baluchistan, heavy rain fell in north-east India and Burma. In the extreme north conditions were disturbed on one or two occasions, but there is no evidence of any unusual snowfall. Over the greater part of the Peninsula also the weather was more settled than usual, owing in part to the weakness of the ordinary indraught from the neighbouring seas and partly to an entire absence on the Malabar coast of the usual preliminary irruptions of the monsoon.

The rainfall of the month was markedly above the average in Burma, Assam and Bengal, and slightly above in Bihar, Central Provinces East, Hyderabad South and the Madras Deccan, but in the rest of the country the monthly totals were either about normal or in defect. The deficit was more than an inch in amount in the Bay Islands (4″ or 30 per cent), Kashmir (1½″ or 75 per cent), and Malabar (3″ or 40 per cent).

Of climatic elements other than rainfall humidity was appreciably high in Upper Burma, Bihar and Sind, while cloud was markedly in excess in north-east India and Bombay, and in defect over the greater part of north-west India and in Mysore. Temperature exceeded the normal by 5° in the Punjab and Kashmir, by 6° in Baluchistan and the North-West Frontier Province and by about 2° in the United Provinces, Sind, Rajputana and Central India.

On the average of all the observing stations in the plains of India barometric pressure was ·044″ lower than usual.

Solar, magnetic and seismic disturbances.

KODAIKANAL OBSERVATORY.

3. *Solar Observations.*—Solar observations were made on all the days during the month.

Sunspots.—Thirteen groups of spots were observed as against 18 in each of the preceding three months. All the spots were small except No. 2198 which came round the east limb on the 22nd at latitude +21° and was visible until June 3rd. It was a "return" of a spot group seen earlier in the month. The daily average number was 3·2 and the average life of a spot was 5·4 days. There were 8 days in the month on which the visible disc of the sun was free from

spots. The distribution of the spots in latitude was as follows :—

TABLE 1.

—	0°—10°	11°—20°	21°—30°	Mean latitude.	Extreme latitudes.
North	1	4	4	18°·6	9° & 22°
South	2	2	...	20°·0	13° & 28°

Prominences.—Eighty-three large, two eruptive, and four metallic prominences were recorded during the month. A very large eruptive prominence was photographed on the 23rd extending from the equator to latitude + 40° west. This ascended with great velocity and attained the unusual height of 580″ (the limit of the plate).

Magnetic disturbances.—Moderate disturbances were recorded from the 2nd to 3rd and from the 27th to 28th.

Seismic records.

$\phi = 10° 13' 50''$; $\lambda = 77° 28' 00''$; $h = 2343$ m. Subsoil Rock.

Apparatus.—Milne's Horizontal Pendulum Seismograph.

TABLE 2.

	V	To	∈	$\frac{r}{To^2}$
AN :				
AE :	9·76	18·0	1	2·5
AZ :				

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude (u). An.	Ae.	Az.	Distance Δ (Km.)	Remarks.
1915.		h. m. s.						
May 1st	i P	5 11 54	...	...	...	...	...	
	i L	5 21 36	...	...	...	...	...	
	M	5 44 48	...	...	710	...	...	
	...	44 06	...	...	1010	...	...	
	...	53 00	...	...	1020	...	...	
	...	58 06	...	...	850	...	...	
	...	6 2 30	...	...	920	...	...	
	F	10 3 54	...	...	...	...	...	
1915.		h. m. s.						
May 2nd	e P	4 44 36	...	...	...	...	...	
	e L	4 46 06	...	...	...	...	...	
	M	4 47 54	...	...	30	...	...	
	F	5 04 18	...	...	...	...	...	
„ 3rd	e P	3 41 18	...	...	...	...	...	
	e L	4 02 12	...	...	...	...	...	
	M	4 04 00	...	...	70	...	...	
	F	5 39 36	...	...	...	...	...	
„ 3rd	e P	22 27 24	...	...	...	...	...	Widening of line.
	F	22 29 00	...	...	...	...	...	
„ 5th	e P	11 27 24	...	...	...	...	...	
	e L	11 48 18	...	...	...	...	...	
	M	11 50 36	...	...	30	...	...	
	F	12 07 36	...	...	...	...	...	
„ 5th	e P	15 25 36	...	...	...	...	...	
	e L	15 27 54	...	...	...	...	...	
	M	15 28 30	...	...	...	...	...	
	F	15 46 12	...	...	...	...	...	
„ 8th	e P	14 00 06	...	...	...	...	...	
	e L	14 08 54	...	...	...	...	...	
	M	14 13 18	...	...	60	...	...	
	F	14 38 12	...	...	...	...	...	
„ 12th	e P	11 01 00	...	...	...	...	...	
	e L	11 10 48	...	...	...	...	...	
	M	11 27 24	...	...	200	...	...	
	F	12 19 12	...	...	...	...	...	
„ 14th	e P	7 27 42	...	...	...	...	...	Widening of line. Hour mark superposed.
	F	7 48 36	...	...	...	...	...	
„ 19th	e P	5 16 36	...	...	...	...	...	Widening of line.
	F	5 20 36	...	...	...	...	...	
„ 21st	e P	3 38 12	...	...	...	...	...	
	e L	3 43 18	...	...	...	...	...	
	M	3 48 00	...	...	100	...	...	
	F	4 21 18	...	...	...	...	...	

J. EVERSHED,

Director,

Kodaikanal and Madras Observatories.

BOMBAY OBSERVATORY.

Alibag magnetic record.

4. During the month of May 1915 the traces showed 10 calm and 21 days of small disturbance.

The days of the month selected as quiet for the purposes of the Magnetic Survey of India are the 7th, 9th, 11th, 24th and the 29th.

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	S	25	S
2	S	10	C	18	S	26	C
3	S	11	C	19	C	27	S
4	S	12	S	20	S	28	S
5	S	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.

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 the declination for the month, are as follow:—

Easterly declination	0° 41′ 15″.
Horizontal force	0·36884 C.G.S. unit.
Vertical force	0·16668 C.G.S. „
Inclination	24° 19′·1.
Horizontal force range . . .	0·00017 C.G.S. unit.
Horizontal force summed range . .	0·00313 C.G.S. „
Declination range	4′·3.
Declination summed range . .	19′·2.

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

Seismic records.

$\phi = 18° 53' 36''$; $\lambda = 72° 48' 56''$; $h = 11$ m. Subsoil Trap.

Apparatus.—Milne's Horizontal Pendulum Seismograph.

TABLE 4.

	V	To	C	$\frac{r}{To^2}$
AN:				
AE:	9	21	1	
AZ:				

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude (u). An.	Ae.	Az.	Distance Δ (Km.)	Remarks.
1915. May 1st	P	h. m. s. 5 9 41	...	...	...	...	...	
	M	.....	...	...	...	...	...	Traces overlap.
	F	.....	...	...	...	...	...	End lost shifting time.
„ „	P	.....	...	...	...	...	...	Beginning mixed in tremors.
	M	9 27 51	...	...	44	...	...	
	F	.....	...	...	...	...	...	End mixed in tremors.
„ 2nd	P	4 36 26	...	...	...	...	...	
	M	4 41 10	...	...	44		...	
	F	5 4 22	...	...	...	...	...	
„ 3rd	P	3 35 43	...	...	...	...	...	
	M	3 54 55	...	...	89	...	...	
	F	5 37 57	...	...	...	...	...	
„ 5th	P	11 31 40	...	...	...	...	...	
	M	11 51 56	...	...	22	...	...	
	F	12 23 48	...	...	...	...	...	
„ 5th	e P	15 22 18	...	...	...	...	...	
	M	15 28 15	...	...	44	...	...	
	F	15 41 21	...	...	...	...	...	
„ 12th	P	10 45 41	...	...	...	...	...	
	M	11 22 18	...	...	144	...	...	
	F	12 17 45	...	...	...	...	...	
„ 14th	P	7 12 51	...	...	...	...	...	
	M	7 22 20	...	...	33	...	...	
	F	7 43 14	...	...	...	...	...	

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude (u). An.	Ae.	Az.	Distance Δ (Km.)	Remarks.
1915.		h. m. s.						
May 16th	P	11 4 00	...	...	...	...	...	Thickening of line.
„ 21st	P	.....	...	...	...	...	...	Beginning mixed in tremors.
	M	4 44 01	...	...	189	...	...	
	F	5 17 47	...	...	...	...	...	
„ 23rd	P	13 43 00	...	...	...	...	...	Thickening of line.

Sensibility to tilt 1·0 mm. of amplitude on the trace = 0·31″.

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

5.—CALCUTTA (ALIPORE) OBSERVATORY.

The Seismograph dismantled.

6. SIMLA OBSERVATORY.

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

TABLE 5.

Place at which felt.	Date.	G. M. T. of earthquake.	Duration.	Intensity Rossi-Forel scale.	No. of shocks.
		h. m.	Sec.		
Shillong	May 7th	18 13	1	5	1
Sclonah (Nowgong District, Assam).	„ 7th	18 18	25	5	1
Shillong	May 10th	6 38	2	4	1
Do.	„ 15th	15 39	2	4	1
Drosh	„ 23rd	20 50	15	6	1
Shillong	„ 27th	2 19	2	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	1·46
Minimum	1·37
Mean	1·42
Number of days of observation .	2

C. W. NORMAND,
Imperial Meteorologist, Simla.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

7. No information has been received.

Weather in the Indian Ocean.

8. The defect of pressure over India was not localized but extended, though in a modified degree, southwards over the Indian Ocean. Winds were normal as regards direction, but were inclined to be strong. Rainfall agreed closely with the average.

TABLE 6.

—	Mauritius.	Zanzibar.	Seychelles.
Departure from normal of mean pressure	...	—·006	—·021
Actual mean wind direction . .	...	S 13° W	S 50° E
Normal mean wind direction . .	...	S 7° W	N 43° E
Actual mean wind velocity (miles per diem).	...	166	135
Normal mean wind velocity (miles per diem).	...	142	120
Rainfall departure from normal . .	...	—1·12	—0·06

Depressions and cyclonic storms.

9. No well-marked depressions or cyclonic storms occurred over the Indian region in the course of the month. A slight disturbance appears to have passed up the Bay from the neighbourhood of the Andamans on the 5th to the vicinity of the north-east angle of the Bay on the 9th, but according to the available marine information it was an area of low barometer and squally weather rather than a definite depression.

Pressure.

10. Except at one or two stations in Kashmir pressure was below the normal throughout the Indian region. The deficiency exceeded a twentieth of an inch in amount at most of the stations in the plains of northern India, being most pronounced in the North-West Frontier Province where it averaged ·12″.

In general the reduction in the density of the atmosphere was more marked in the lowest stratum than at the level of the hill stations, while at Leh, the elevation of which is over 11,000 feet, pressure was actually in slight excess.

TABLE 7.

DIVISION.	Departure from normal of mean 8 hrs. pressure.
	″
Burma	—·014
Assam	—·045
Bengal	—·051
Bihar and Orissa	—·057
United Provinces	—·061
Punjab	—·077
North-West Frontier Province	—·119
Sind	—·067
Rajputana	—·054
Bombay	—·030
Central India	—·050
Central Provinces	—·041
Hyderabad	—·026
Mysore	—·008
Madras	—·022

TABLE 8.

HILL STATION.	Departure from normal pressure. A	PLAIN STATION.	Departure from normal pressure. B	Departure of pressure difference. B—A.
	″		″	″
Quetta	—·041	Jacobabad	—·078	—·037
Leh	+·014	Lahore	—·080	—·094
Murree	—·016	Peshawar	—·108	—·092
Simla	—·005	Ludhiana	—·045	—·040
Mount Abu	—·030	Deesa	—·033	—·003
Pachmarhi	—·044	Khandwa	—·029	+·015
Kodaikanal	+·001	Madura	—·026	—·027

Temperature.

11. Departures from normal of mean temperature were small in the Peninsula, Gujarat, lower Sind, Rajputana, Central India, the Central Provinces, the United Provinces, north-east India and Lower Burma. In Upper Burma there was a defect of 2° to 4°, and in the region comprising upper Sind, Baluchistan, the North-West Frontier Province, the Punjab and Kashmir mean temperature was between 4° and 9° in excess.

In Kashmir, the North-West Frontier Province and upper Sind temperature was in greater excess during the day than at night, while in the Punjab and Baluchistan both the maximum and the minimum temperatures were equally high. In the United Provinces the minimum temperature was about 4° in excess and the maximum approximately normal, and in Upper Burma, this condition was reversed, the maximum temperature being low by 5° and the minimum about the average. Elsewhere there was no marked distinction between the respective departures of day and night temperatures. The excess in the north-west was shown practically during nearly the whole month.

At Jacobabad, usually the hottest place in India, the thermometer on two occasions rose to 123° which is 3° lower than the highest reading on record.

TABLE 9.

Sub-division.	Actual temperature.					Departure from normal of		
	Mean maximum.	Mean minimum.	Monthly mean of mean between maximum and minimum.	Mean daily range of temperature.	Absolute range during month.	Maximum.	Minimum.	Daily range.
	°	°	°	°	°	°	°	°
1. Bay Islands	88·5	79·7	84·1	8·8	21·9	—0·3	+0·7	—1·0
2. Lower Burma	89·1	77·1	83·1	12·0	22·1	—1·5	+0·2	—1·7
3. Upper Burma	91·2	74·[illegible]	82·9	16·5	30·7	—4·7	—0·7	—4·0
4. Assam	85·1	72·6	78·9	12·5	25·3	—2·1	+0·6	—2·7
5. Bengal	91·3	77·1	84·2	14·2	26·7	—1·2	+1·1	—2·3
6. Orissa	100·5	81·7	91·1	18·8	34·7	+0·6	+1·8	—1·2
7. Chota Nagpur	104·5	80·7	92·6	23·7	43·0	+1·4	+3·0	—1·6
8. Bihar	98·0	78·1	83·0	19·9	35·4	—0·5	+1·6	—1·2
9. United Provinces, East	105·3	82·2	93·7	23·1	38·7	+0·9	+4·1	—3·2
10. Do., West	107·4	82·3	95·1	24·6	41·5	+1·9	+3·8	—1·9
11. Punjab, East and North	103·4	80·0	94·2	28·4	41·9	+4·7	+7·7	0
12. Do., South-west	111·9	82·6	97·2	29·3	46·1	+4·5	+4·3	+0·2
13. Kashmir	78·2	49·6	63·8	28·6	41·9	+7·3	+3·3	+4·0
14. North-West Frontier Province	108·7	77·3	93·1	31·3	42·7	+7·7	+5·1	+2·6
15. Baluchistan	97·3	67·2	82·3	30·1	42·3	+6·1	+5·9	+0·2
16. Sind	103·8	80·4	92·1	23·4	33·5	+1·1	+2·1	—1·0
17. Rajputana, West	109·7	82·7	96·3	27·1	38·6	+2·8	+1·1	+1·7
18. Do., East	108·6	84·2	96·4	24·4	33·1	+2·2	+2·9	—0·7
19. Gujarat	99·3	78·9	89·1	20·4	31·6	—0·3	+1·1	—1·4
20. Central India, West	105·3	78·2	91·7	27·1	36·5	+1·9	+1·4	+0·5
21. Do., East	108·1	83·1	95·7	25·1	37·9	+1·7	+3·3	—1·6
22. Berar	106·8	80·9	93·9	26·0	36·4	+1·0	+1·2	—0·2
23. Central Provinces, West	107·7	82·2	95·0	25·5	37·0	+0·8	+1·9	—1·1
24. Do., East	105·8	81·6	93·7	24·2	39·2	+0·9	+2·3	—1·4
25. Konkan	91·7	82·2	86·9	9·4	15·0	+0·5	+1·9	—1·4
26. Bombay-Deccan	100·8	73·9	87·3	26·8	37·1	0	+0·9	—0·9
27. Hyderabad, North	104·2	78·0	91·1	26·2	38·5	+1·3	+0·2	+1·1
28. Hyderabad, South	104·4	80·0	92·2	24·3	38·9	+0·2	—0·1	+0·3
29. Mysore	92·5	69·5	81·0	23·1	32·5	+0·9	+0·1	+0·8
30. Malabar	90·0	79·3	84·7	10·8	18·5	+0·5	+1·2	—0·7
31. Madras, South-east	99·5	80·0	89·8	19·5	29·2	+1·6	+1·2	+0·4
32. Do. Deccan	104·1	81·3	92·7	22·8	35·3	—0·6	+0·6	—1·2
33. Do. Coast, North	97·9	82·2	90·1	15·7	34·5	+0·6	+0·9	—0·3

TABLE 10.

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

Winds.

12 (*a*). In most parts of the country the air motion was stronger and steadier than usual, but more especially in the Punjab and the North-West Frontier Province.

(*b*). The easterly element in the mean direction over the north Punjab was very strong and the northerly component weak, an indication that there were no excessive accumulations of snowfall in the mountains to the north. Over the rest of the country, the direction of air movement was fairly normal.

TABLE 11.

Division.	Departure from normal of	
	Hourly wind velocity.	Wind steadiness.
Burma	−0·3	− 3
Assam	+0·4	+12
Bengal	−0·4	+ 1
Bihar and Orissa	+0·8	+11
United Provinces	+0·2	+10
Punjab	+0·9	+20
North-West Frontier Province	+1·5	+18
Sind	−0·1	+23
Rajputana	+1·6	+15
Bombay	+0·2	+ 5
Central India	+0·7	+ 5
Central Provinces	+1·6	+12
Hyderabad	+2·4	+15
Mysore	+2·3	+ 7
Madras	+1·0	+10

Humidity and cloud.

13. Except in Hyderabad and the south-east of Madras, humidity both absolute and relative, was either normal or in excess.

The cloud proportion was higher than usual in Burma, north-east India, Gujarat and the Konkan and in defect in Kashmir, the North-West Frontier Province, the Punjab Baluchistan, Rajputana, Mysore and south Madras; but elsewhere the sky was covered to about the usual extent.

TABLE 12.

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	84	+ 5	·863	+ ·009	6·8	+ 1·2
Assam	90	+ 3	·827	+ ·022	7·2	+ 0·9
Bengal	84	+ 3	·926	+ ·02	6·6	+ 1·6
Bihar and Orissa	70	+ 4	·833	+ ·042	4·5	+ 1·6
United Provinces	49	+ 3	·681	+ ·067	1·5	— 0·1
Punjab	39	0	·563	+ ·068	0·9	— 0·6
North-West Frontier Province.	43	— 3	·505	+ ·052	0·3	— 1·3
Sind	67	+ 8	·848	+ ·121	1·7	+ 0·1
Rajputana	40	+ 1	·551	+ ·020	0·6	— 0·5
Bombay	66	0	·772	+ ·011	3·5	+ 0·9
Central India	42	+ 1	·560	+ ·016	1·9	+ 0·3
Central Provinces	41	+ 4	·551	+ ·041	2·0	+ 0·1
Hyderabad	51	— 4	·617	— ·037	2·9	+ 0·4
Mysore	75	+ 1	·661	— ·005	4·1	— 1·0
Madras	69	— 2	·853	— ·006	4·1	— 0·4

Rainfall.

14. The total quantity of rainfall recorded during the month in the plains of India exceeded the normal by nearly 1″ or 36 per cent. The excess was, however, confined mainly to Burma, Bengal, Assam and Bihar, the amounts received in the remaining divisions being either about equal to the normal or below it. The only areas where the deficit equalled or exceeded an inch in amount were the Bay Islands (4″ or 30 per cent), Kashmir (1½″ or 75 per cent), Mysore (1″ or 27 per cent), and Malabar (3″ or 40 per cent).

TABLE 13.

Sub-division.	Number of rainy days.		Rainfall.			
	Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
			″	″	″	
1. Bay Islands	11·5	13·9	9·17	13·07	— 3·90	— 30
2. Lower Burma	16·0	13·0	17·71	13·08	+ 4·63	+ 35
3. Upper Burma	13·0	7·7	10·37	5·75	+ 4·62	+ 80
4. Assam	19·9	14·3	23·09	11·93	+ 11·16	+ 94
5. Bengal	11·8	9·0	11·15	7·79	+ 3·36	+ 43
6. Orissa	4·4	4·5	2·89	2·84	+ 0·05	+ 2
7. Chota Nagpur	3·0	3·3	1·84	1·83	+ 0·01	+ 1
8. Bihar	3·6	3·2	2·78	2·26	+ 0·52	+ 23
9. United Provinces, East	0·9	1·2	0·56	0·62	— 0·06	— 10
10. Do., West	1·3	1·3	0·58	0·58	0	0
11. Punjab, East and North	0·6	1·4	0·24	0·59	— 0·35	— 59
12. Do., South-west	0·3	0·9	0·15	0·38	— 0·23	— 61
13. Kashmir	1·5	3·8	0·54	2·12	— 1·58	— 75

Sub-division.	Number of rainy days.		Rainfall.			
	Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
			"	"	"	
14. North-West Frontier Province	0·9	1·7	0·39	0·81	—0·42	— 52
15. Baluchistan	0	0·5	0·01	0·21	—0·20	— 95
16. Sind	0	0·2	0	0·11	—0·11	—100
17. Rajputana, West	0·1	0·5	0·02	0·22	—0·20	— 91
18. Do., East	0·5	0·9	0·16	0·37	—0·21	— 57
19. Gujarat	0·1	0·3	0·06	0·17	—0·11	— 65
20. Central India, West	0·7	0·6	0·22	0·21	+0·01	+ 5
21. Do., East	0·8	0·6	0·28	0·21	+0·07	+ 33
22. Berar	0·7	0·9	0·32	0·42	—0·10	— 24
23. Central Provinces, West	1·4	0·9	0·45	0·36	+0·09	+ 25
24. Do., East	1·8	1·2	0·65	0·54	+0·11	+ 20
25. Konkan	1·5	1·7	0·74	1·39	—0·65	— 47
26. Bombay Deccan	1·7	2·3	0·93	1·28	—0·35	— 27
27. Hyderabad, North	1·3	1·4	0·35	0·63	—0·28	— 44
28. Do., South	2·7	1·8	1·01	0·83	+0·18	+ 22
29. Mysore	4·8	5·6	2·64	3·61	—0·97	— 27
30. Malabar	6·5	7·7	4·28	7·18	—2·90	— 40
31. Madras, South-east	3·2	3·9	1·93	2·66	—0·73	— 27
32. Do. Deccan	3·3	2·8	1·85	1·61	+0·24	+ 15
33. Do. Coast, North	3·5	3·0	1·97	2·03	—0·06	— 3

TABLE 14.

Division.	Rainfall.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Burma	13·21	8·61	+4·60	+ 53
Assam	23·09	11·93	+11·16	+ 94
Bengal	11·15	7·79	+3·36	+ 43
Bihar and Orissa	2·58	2·30	+0·28	+ 12
United Provinces	0·57	0·60	—0·03	— 5
Punjab	0·22	0·54	—0·32	— 59
North-West Frontier Province	0·39	0·81	—0·42	— 52
Sind	0	0·11	—0·11	—100
Rajputana	0·12	0·32	—0·20	— 63
Bombay	0·62	0·94	—0·32	— 34
Central India	0·25	0·21	+0·04	+ 19
Central Provinces	0·49	0·45	+0·04	+ 9
Hyderabad	0·68	0·73	—0·05	— 7
Mysore	2·64	3·61	—0·97	— 27
Madras	2·14	2·76	—0·62	— 22
Mean of India	3·61	2·65	+0·96	+ 36

Snowfall.

I.—AFGHANISTAN.

15. On the 26th the unmelted residue of winter accumulations on some of the ranges around Kabul varied in depth between 1½ and 2½ feet.

II.—NORTH-WEST FRONTIER PROVINCE.

(*a*) *Wano.*—No snow fell in south Waziristan, and the weather there was unusually clear and warm.

(*b*) *Tochi.*—
(*c*) *Dera Ismail Khan.*—
(*d*) *Kurram.*—
(*e*) *Kohat.*—
} No snow fell.

(*f*) *Drosh.*—A slight fall of snow occurred on the highest hills on the 23rd.

(*g*) *Khyber.*—
(*h*) *Malakand.*—
} No snow fell.

(*i*) *Hazara.*—Snow varying from 3 to 6 inches in depth fell in the Kagan valley on heights between 13,000 and 17,000 feet.

III.—KASHMIR.

The statement below shows the character of snowfall in this area :—

TABLE 15.

Locality.	Number of snowfalls recorded during the month.	Total snow-fall.	REMARKS.
		Inches.	
Srinagar . . .	...	...	No snow fell.
Skardu . . .	...	...	Ditto.
Dras . . .	...	...	Ditto.
Kargil and surrounding hills.	3	7	At the close of the month about 4 feet snow was still lying unmelted on the surrounding hills.
Hills around Leh . .	...	...	Several falls on the higher hills.

IV.—PUNJAB.

(*a*) *Chamba.*—Snow fell on the higher peaks above 10,000 feet.

(*b*) *Kangra.*—No snow fell.

(*c*) *Kilba* (*Simla Hills*).—A snow-storm occurred on the 22nd on the opposite hill side down to about 11,000 feet.

TABLE 16.

Name of pass.	DEPTH OF ACCUMULATION AT THE END OF THE MONTH.	
	Reported.	Normal.
	Feet.	Feet.
Harang pass	Nil	2¾
Rupin „	6	8¾
Brua „	5	9
Shatul „	7	5½

V.—UNITED PROVINCES.

(*a*) *Garhwal.*—Moderate snow fell on the higher peaks. Weather was on the whole somewhat warmer than usual.

(*b*) *Almora.*—During the first twenty days snow fell to a total depth of about 5½ feet in Byans, 3½ feet in Malla Darma, 1¼ feet in Chaudas, 1 foot in Malla Johar and ½ foot in Malla Danpur. In Malla Darma the snow line descended to a distance of about 4 miles from the perpetual snows.

TABLE 17.

Name of pass or peak.	DEPTH OF ACCUMULATION ON THE 20TH OF MAY.	
	Reported.	Normal.
	Feet.	Feet.
Nuwe pass	12	18
Lampia „	6½	10½
Lipulekh „	10	8½
Binkaru „	6	22
Pindari peak	½	1
Kaphini „	½	1
Kuntela „	½	1
Untadhura	½	9½
Ralamdhura	½	6¼

SUMMARY.

16. According to the available information there was but little snowfall in the mountain zone bordering upper India, and the accumulations existing at the end of the month were either of about the average thickness or less than usual, except locally in Afghanistan.

HEM RAJ.

Table A.—Abstract of observations taken at 10 hrs. and 16 hrs. at 12 stations in India, etc., in May, 1915.

Table

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

Number of sub-division.	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
	III.—Bengal.																					
5	Calcutta . .	21	29·657	29·548	·109	29·605	—·056	29·572	94·4	79·6	14·8	103·1	72·9	30·2	89·4	91·3	86·7	+1·0	76·4	81·7	81·6	79·9
	VI.—Punjab.																					
11	Lahore . .	702	28·868	28·772	·096	28·814	—·091	29·444	111·7	80·7	31·0	115·8	74·4	41·4	101·5	110·0	95·9	+7·0	69·2	75·5	77·2	74·0
	IX.—Rajputana.																					
18	Jaipur . .	1,431	28·222	28·119	·109	28·168	—·076	29·468	109·2	81·5	27·7	112·7	77·1	35·6	98·2	107·1	94·5	+2·9	66·2	72·4	71·9	70·2
	X.—Bombay.																					
25	Bombay . .	37	29·815	29·726	·089	29·770	—·004	29·746	92·0	82·4	9·6	94·2	79·4	14·8	88·1	89·2	86·1	+1·5	76·0	80·1	80·5	78·9
	XIV.—Mysore.																					
29	Bangalore . .	3,021	28·902	28·790	·112	28·853	+·010	29·610	93·0	69·4	23·6	97·6	64·7	32·9	82·9	87·6	79·5	+1·0	66·0	71·4	70·3	69·2
	XV.—Madras.																					
31	Pudukkottai .	318	29·507	29·365	·142	29·436		29·675	102·1	79·8	22·3	107·4	72·6	34·8	89·1	99·8	90·9			79·8	83·6	
	Madras . .	22	29·754	29·637	·117	29·701	—·029	29·657	101·8	82·6	19·2	107·8	77·4	29·9	95·5	94·2	91·1	+2·4	77·0	79·9	81·7	79·5
	Hill stations, excluding Kashmir and Baluchistan.																					
	Sarain . . .		23·111	23·057	·054	23·075		23·037	76·5	53·8	22·7	81·0	48·6	32·4	70·2	74·5	65·3			54·9	57·1	
	Kalabagh . .																					
	Mukteswar . .	7,592							73·9	58·5	15·4	81·0	48·6	32·4	66·2	70·4	66·3		51·7	56·2	58·3	55·4
	Katmandu . .	4,388																				
	Kodaikanal . .	7,688	22·849	22·789	·060	22·819		22·754	72·3	55·6	16·7	77·2	52·8	24·4	68·1	65·3	64·0		49·7	57·1	59·1	55·3
	Dodabetta . .	8,539	22·032	21·978	·054	22·005		21·942	61·7	52·0	12·7	68·3	48·7	19·6	61·8	60·2	58·5		44·2	52·5	54·1	50·3
	Extra India.																					
	Diego Garcia .																					
	Seychelles . .	15	29·961	29·876	·085	29·920	—·021*	29·858	85·6	80·5	5·1	87·1	77·6	9·5	84·1	81·9	81·6	+2·1*	74·1	76·5	78·6	77·1
	Mauritius . .	181																				

N.B.—Elevations in Italics indicate barometric 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.

at 12 stations in India, etc., in May, 1915.

Vapour tension in inches of mercury.					Humidity.					Cloud.				Wind direction.											Wind steadiness		Wind velocity.		Rainfall.		Station.	Number of sub-division.
														Total number of 10 hrs. and 16 hrs. winds from																		
From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean 10 hrs.	Mean 16 hrs.	Mean of two previous columns.	Departure from normal.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Mean wind direction.	Normal mean wind direction of month.	Average percentage.	Normal percentage.	Mean velocity in miles per diem	Normal.	Total rainfall for the month.	Heaviest rainfall during the month.		
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
																															III.—Bengal.	
·871	·980	·950	913	+·060	86	71	65	77	+ 2	5·9	4·1	5·0	+0·7	0	0	2	5	9	25	21	0	0	S 3° W	S 9° W	73	67	129	123	5·65	1·96	Calcutta.	5
																															VI.—Punjab.	
·558	·533	·490	·538	+·084	54	27	20	35	− 1	0·7	0·9	0·8	−1·4	11	2	8	5	10	2	5	7	12	N 20° W	N 12° E	6	18	50	56	0	0	Lahore.	11
																															IX.—Rajputana.	
·458	·480	·342	·434	−·014	42	27	15	30	− 5	0·6	2·4	1·5	−0·8	0	1	0	2	0	0	8	32	19	N 80° W	N 72° W	81	48	113	110	0·18	0·10	Jaipur.	18
																															X.—Bombay.	
·806	·916	·922	·894	+·005	73	69	67	73	− 3	3·8	3·9	3·9	+1·3	0	0	0	0	0	3	26	27	6	S 71° W	N 83° W	84	71	142	177	0·36	0·20	Bombay.	26
																															XIV.—Mysore.	
·599	·634	·539	·605	0	84	57	45	64	+ 1	2·6	5·1	3·9		0	3	1	2	0	4	6	27	19	N 78° W	S 81° W	69	66	171	110	1·64	1·20	Bangalore.	29
																															XV.—Madras.	
	·850	·812				58	43			2·5	3·5	3·0		10	1	0	0	2	6	7	17	19	N 87° W		55		126		2·85	1·48	Pudukkottai.	31
·854	·812	·912	·873	−·023	77	49	59	64	− 6	2·6	3·1	2·9	−0·8	0	0	2	8	18	6	9	13	6	S 5° W	S 9° E	28	66	139	159	0·36	0·32	Madras.	
																															Hill stations, excluding Kashmir and Baluchistan.	
	·276	·289				39	36			2·0	3·9	2·9																	1·54	0·60	Sarain.	
																															Kalabagh.	
·313	·351	·361	·336		66	56	51	58		4·1	4·5	4·3		5	2	0	0	0	0	4	43	2	N 89° W		85		187		2·03	0·41	Mukteswar.	
																								S 89° W		39		31			Katmandu.	
296	·352	·437	·362		67	52	71	63		2·3	7·0	4·9		1	13	6	5	3	1	2	5	26	N 23° W		55		196		1·28	0·37	Kodaikanal.	
·212	·298	·343	·281		54	54	64	57		5·7	7·4	6·5		0	12	33	1	0	0	0	0	16	N 16° E		76		162		1·56	0·83	Dodabetta.	
																															Extra India.	
																															Diego Garcia.	
·762	·902	·895	·866	+·020	73	77	74	77	− 3	5·0	4·5	4·7	−0·4*	3	1	3	6	42	4	0	1	2	S 50° E	S 43° E	74	59	135	120	6·01	1·93	Seychelles.	
																															Mauritius.	

* Departure from old normal.

Table B.—Abstract of observations taken at 8 hrs. at 214 stations in India, etc., in May, 1915.

(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 2,300 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	—·014	81·1	—3·2	75·9	—0·3	83·0	—1·8	14·1	26·2	—0·2	— 3	84	+ 5	·863	+·009	6·8	+1·2	13·21	8·61	+4·60
Assam	—·045	85·1	—2·1	72·6	+0·6	78·9	—0·8	12·5	25·3	+0·4	+12	90	+ 3	·827	+·022	7·2	+0·9	23·09	11·93	+11·16
Bengal	—·051	91·3	—1·2	77·1	+1·1	84·2	—0·1	14·2	26·7	—0·4	+ 1	84	+ 3	·926	+·028	6·6	+1·6	11·15	7·79	+3·36
Bihar and Orissa	—·057	100·2	+0·4	79·8	+2·0	90·0	+1·2	20·5	37·0	+0·8	+11	70	+ 4	·833	+·042	4·5	+1·6	2·58	2·30	+0·28
United Provinces of Agra and Oudh	—·061	106·3	+1·3	82·5	+3·9	94·4	+2·6	23·8	40·0	+0·2	+10	49	+ 3	·681	+·067	1·5	—0·1	0·57	0·60	—0·03
Punjab	—·077	109·3	+4·7	80·7	+4·7	95·0	+4·7	28·6	41·4	+0·9	+20	39	0	·563	+·068	0·9	—0·6	0·22	0·54	—0·32
North-West Frontier Province	—·119	108·7	+7·7	77·3	+5·1	93·1	+6·4	31·3	42·7	+1·5	+18	42	— 3	·595	+·052	0·3	—1·3	0·39	0·81	—0·42
Sind	—·067	103·8	+1·1	80·4	+2·1	92·1	+1·6	23·4	33·5	—0·1	+23	67	+ 8	·848	+·121	1·7	+0·1	0	0·11	—0·11
Rajputana	—·054	109·1	+2·4	83·6	+2·2	96·3	+2·3	25·4	35·3	+1·6	+15	40	+ 1	·551	+·020	0·6	—0·5	0·12	0·32	—0·20
Bombay	—·030	98·5	—0·1	77·8	+1·2	88·2	+0·5	20·7	30·7	+0·2	+ 5	66	0	·772	+·011	3·5	+0·9	0·62	0·94	—0·32
Central India	—·050	106·7	+1·8	80·7	+2·3	93·7	+2·1	26·1	37·2	+0·7	+ 5	42	+ 1	·560	+·016	1·9	+0·3	0·25	0·21	+0·04
Central Provinces	—·041	106·9	+0·9	81·7	+1·9	94·3	+1·4	25·2	37·5	+1·6	+12	41	+ 4	·551	+·041	2·0	+0·1	0·49	0·35	+0·04
Hyderabad	—·026	104·3	+0·5	79·1	0	91·7	+0·2	25·2	38·7	+2·4	+15	51	— 4	·617	—·037	2·9	+0·4	0·68	0·73	—0·05
Mysore	—·008	92·5	+0·9	69·5	+0·1	81·0	+0·5	23·1	32·5	+2·3	+ 7	75	+ 1	·661	—·005	4·1	—1·0	2·64	3·61	—0·97
Madras	—·022	98·1	+0·8	80·6	+1·0	89·4	+0·9	17·4	29·5	+1·0	+10	69	— 2	·853	—·008	4·1	—0·4	2·14	2·76	—0·62

Table

(2) Abstract of observations taken at 8 hrs. at 214

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 mean maximum and minimum	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	I.—Burma.																						
2	Victoria Point	147	29·742		29·819	29·806	5th	29·656	10th	·150	82·6	87·5		77·0		82·3		10·5	92·2	1st	70·7	19th	21·5
	Mergui	65	29·818	—·001	29·813	29·896	1st	29·739	10th	·157													
	Tavoy	19	29·857	—·014	29·808	29·943	1st	29·769	10th	·174	79·8	88·4	—0·1	76·5	+1·1	82·4	+0·5	11·9	94·0	3rd	74·3	18th	19·7
	Moulmein	94	29·762	—·004	29·794	29·834	2nd	29·644	17th	·190	78·4	87·6	—1·6	75·4	—0·4	81·5	—1·0	12·2	95·9	2nd	73·0	18th	22·9
	Rangoon	18	29·821	—·003	29·777	29·920	1st	29·702	10th	·218	81·3	89·8	—1·9	77·2	—0·1	83·5	—1·0	12·6	96·3	3rd	74·4	9th	21·9
	Bassein	27	29·790	—·021	29·754	29·897	1st	29·645	10th	·252	82·2	89·8	—1·8	77·8	+0·5	83·8	—0·7	12·0	94·6	4th	73·9	18th	20·7
	Diamond Island	41	29·772	—·026	29·747	29·888	1st	29·623	10th	·265	84·3	88·9	+0·4	80·4	+1·5	84·6	+0·9	8·5	92·4	1st & 5th	76·0	17th & 19th.	16·4
	Toungoo	164	29·658	—·005	29·764	29·739	1st	29·552	11th	·187	82·0	92·7	—3·1	76·3	—0·3	84·5	—1·7	16·4	100·6	3rd & 4th	71·1	31st	29·5
	Kyaukpyu	18	29·779		29·737	29·902	1st & 25th.	29·628	11th	·274	82·1	88·6		76·1		82·4		12·5	92·9	18th	71·0	22nd	21·9
	Akyab	20	29·775	—·015	29·736	29·906	26th	29·624	11th	·282	81·7	88·5	—2·3	76·9	—1·2	82·7	—1·7	11·6	94·7	6th	69·9	22nd	24·8
3	Thayetmyo	121	29·671	—·016	29·734	29·772	1st	29·522	11th	·250	82·5	94·2	—4·4	77·9	0	86·1	—2·2	16·3	104·2	3rd	73·4	8th	30·8
	Minbu	*165*	29·611	—·021	29·718	29·703	1st & 20th.	29·477	11th	·226	82·4	94·8	—3·9	78·3	—0·3	86·5	—2·1	16·5	106·5	3rd	74·0	8th	32·5
	Yamethin	657	29·140	—·008	29·743	29·222	4th	29·008	11th	·214	81·0	93·1	—3·5	76·3	—0·3	84·7	—1·9	16·8	102·1	1st, 2nd & 4th.	72·2	5th & 31st.	29·9
	Mandalay	250	29·543	—·003	29·739	29·646	1st	29·419	11th	·227	82·9	94·3	—5·3	76·4	—2·7	85·4	—4·0	17·9	105·1	1st	72·4	24th	32·7
	Monywa	*280*	29·493	—·027	29·721	29·603	1st	29·345	17th	·258	81·0	94·3	—5·8	77·5	—1·3	85·9	—3·5	16·8	106·2	1st	73·4	31st	32·8
	Lashio	*2,820*	27·013	—·035	26·959	27·119	26th	26·877	17th	·242	71·4	82·9	—4·7	67·3	+0·5	75·1	—2·1	15·6	90·3	3rd	61·5	2nd	28·8
	Bhamo	*361*	29·416	+·002	29·732	29·550	4th	29·239	17th	·311	75·9	89·2	—4·5	71·6	—0·7	80·4	—2·6	17·6	98·0	4th	68·4	13th	29·8
	Myitkyina	458	29·303	—·022	29·723	29·427	4th	29·132	17th	·295	71·6	86·6	—5·3	71·8	—0·7	79·2	—3·0	14·8	97·6	3rd	69·4	11th	28·2
	II.—Assam.																						
4	Dibrugarh	353	29·397	—·058	29·715	29·540	1st	29·230	17th	·310	74·5	82·8	—1·6	71·4	+0·9	77·1	—0·3	11·4	91·4	4th	66·9	22nd	24·5
	Sibsagar	333	29·431	—·038	29·725	29·595	4th	29·268	17th	·327	75·0	83·1	—2·4	71·9	+0·4	77·5	—1·0	11·2	90·6	2nd, 3rd & 12th.	68·2	22nd	22·4
	Tezpur	252	29·502	—·043	29·714	29·662	4th	29·313	17th	·349	75·9	84·6	—2·0	72·5	+0·3	78·5	—0·9	12·1	92·1	14th	65·2	22nd	26·9
	Gauhati	196	29·564	—·051	29·707	29·714	1st	29·347	17th	·367	77·0	85·6	—2·2	73·2	+1·3	79·4	—0·5	12·4	93·4	14th	68·6	22nd	24·8
	Dhubri	115	29·607	—·046	29·677	29·776	1st	29·387	17th	·389	77·1	84·5	—1·8	73·5	+0·6	79·0	—0·6	11·0	94·3	7th	69·5	19th	24·8
	Silchar	104	29·663	—·034	29·724	29·817	1st	29·497	17th	·320	76·8	86·1	—2·7	73·2	+0·6	79·7	—1·1	12·9	93·4	3rd	69·7	19th & 21st.	23·7
	Srimangal	66	29·661		29·676	29·852	1st	29·459	17th	·393	77·0	89·1	—2·2	72·6	+0·4	80·9	—0·9	16·5	95·5	4th	65·8	21st	29·7
	III.—Bengal.																						
5	Cox's Bazar	36	29·726		29·707	29·882	1st	29·576	11th	·306	80·7	88·7		76·0		82·4		12·7	92·5	6th	70·3	21st	22·2
	Chittagong	87	29·668	—·035	29·700	29·837	1st	29·531	11th	·306	80·5	87·9	—0·9	75·1	—0·3	81·5	—0·6	12·8	91·2	3rd & 4th	71·1	19th	20·1
	Noakhali	43	29·700	—·033	29·690	29·886	1st	29·471	17th	·415	82·0	87·8	—1·5	77·1	+1·4	82·5	—0·1	10·7	92·8	4th	71·3	5th	21·5
	Barisal	12	29·703	—·047	29·662	29·885	1st	29·533	17th	·352	84·4	90·5	—1·2	77·8	+1·1	84·1	—0·1	12·7	95·4	4th	69·0	22nd	26·4
	Narayanganj	26	29·681	—·055	29·659	29·863	1st	29·493	17th	·370	82·7	90·3	—0·8	76·6	+0·8	83·5	0	13·7	93·9	4th	72·8	22nd	21·1

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

B.

stations in India, etc., in May, 1915.

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 May, 1915.	Normal rainfall for period, 1st to 31st May.	Departure from normal of period, 1st to 31st May, 1915	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																I.—Burma.
4	0	3	6	6	3	4	5	0	S 30° E		5·3			33		82		·907		6·5		14			16·69			16·69			2·62	Victoria Point.
31	0	0	0	0	0	0	0	0	Calm	S 81° W	1·4	1·4	0	(a)						5·3	0	15	17·9	−2·9	14·55	18·20	− 3·65	14·55	18·20	− 3·65	2·31	Mergui.
10	3	2	1	7	4	0	2	2	S 51° E	S 61° W	1·7	1·2	+0·5	17	+ 8	89	+ 1	·904	+·012	5·8	+0·5	22	18·9	+3·1	22·29	25·49	+ 6·80	22·29	25·49	+ 6·80	6·83	Tavoy.
0	3	3	6	8	7	3	0	1	S 51° E	S 47° E	7·3	2·5	+4·8	46	+10	91	+ 4	·884	+·001	7·9	+0·6	27	17·6	+9·4	30·19	20·89	+ 9·30	30·19	20·89	+ 9·30	4·45	Moulmein.
0	1	3	3	3	7	6	4	4	S 28° W	S 39° W	4·3	3·4	+0·9	30	−24	88	+ 2	·938	+·025	8·9	+2·1	19	13·6	+5·4	18·52	12·23	+ 6·29	18·52	12·23	+ 6·29	2·45	Rangoon.
17	0	5	3	0	3	2	1	0	S 77° E	S 51° W	3·9	3·5	+0·4	13	−16	88	+ 3	·973	+·042	6·0	+0·5	14	11·5	+2·5	18·64	10·27	+ 8·37	18·64	10·27	+ 8·37	5·22	Bassein.
1	0	1	0	4	6	13	5	1	S 34° W	S 64° W	7·5	5·7	+1·8	66	+26	81	+ 2	·950	+·037	7·5	+0·9	13	11·0	+2·0	13·84	11·16	+ 2·68	13·84	11·16	+ 2·68	2·02	Diamond Island.
4	0	0	0	12	13	1	0	1	S 18° E	S 28° E	3·0	3·4	−0·4	72	+ 4	84	+ 3	·915	−·012	7·5	+1·0	16	10·1	+5·9	14·66	6·98	+ 7·68	14·66	6·98	+ 7·68	4·39	Toungoo.
4	1	2	10	8	3	0	2	1	S 68° E		4·0			49		85		·927		8·1		15			21·86			21·86			3·62	Kyaukpyu.
5	2	2	6	7	4	3	1	1	S 51° E	N 81° E	3·6	2·6	+1·0	37	−13	88	+ 4	·945	−·011	6·2	+0·1	15	10·3	+4·7	34·33	11·62	+22·71	34·33	11·62	+22·71	8·00	Akyab.
13	0	1	0	0	14	2	1	0	S 7° W	S 5° E	2·3	5·2	−2·9	49	−26	76	+ 5	·821	−·022	7·5	+2·9	11	6·8	+4·2	6·74	4·53	+ 2·21	6·74	4·53	+ 2·21	1·61	Thayetmyo.
3	0	0	1	22	0	0	0	5	S 48° E	S 38° E	3·1	7·5	−4·4	59	−15	77	+ 5	·826	+·005	6·0	+1·7	10	6·6	+3·4	8·24	5·00	+ 3·24	8·24	5·00	+ 3·24	3·16	Minbu.
5	0	0	2	10	14	0	0	0	S 23° E	S 28° E	2·6	5·9	−3·3	76	+ 2	78	+ 3	·820	−·004	4·4	+0·2	12	8·7	+3·3	9·51	6·15	+ 3·36	9·51	6·15	+ 3·36	2·32	Yamethin.
5	0	0	2	9	14	1	0	0	S 20° E	S 4° E	4·2	5·4	−1·2	72	+11	75	+ 6	·837	+·015	4·0	+0·1	14	7·6	+6·4	10·70	5·65	+ 5·05	10·70	5·65	+ 5·05	2·11	Mandalay.
3	2	2	5	15	2	0	0	2	S 63° E		2·5			56		79	+10	·827	+·030	6·9	+2·5	13	6·7	+6·3	8·49	5·94	+ 2·55	8·49	5·94	+ 2·55	1·63	Monywa.
15	2	3	0	0	1	6	0	4	N 70° W		2·4			17		86	+ 5	·652	−·005	7·8	+1·2	19	11·4	+7·6	15·60	6·05	+ 9·55	15·60	6·05	+ 9·55	2·52	Lashio.
25	3	2	0	0	0	1	0	0	N 11° E	N 53° W	1·5	2·3	−0·8	12	− 7	89	+ 9	·793	+·016	7·9	+2·3	18	9·7	+8·3	14·06	5·80	+ 8·26	14·06	5·80	+ 8·26	2·04	Bhamo.
27	0	0	1	2	1	0	0	0	S 45° E		1·2			10		88	+10	·749	0	8·4	+2·2	16	9·5	+6·5	18·22	5·42	+12·80	18·22	5·42	+12·80	4·12	Myitkyina.
																																II.—Assam.
20	0	5	6	0	0	0	0	0	N 69° E		1·0			30		90	+ 1	·769	+·004	7·2	+0·7	16	14·3	+1·7	15·22	9·22	+ 6·00	15·22	9·22	+ 6·00	2·38	Dibrugarh.
6	8	12	1	0	2	0	0	2	N 27° E	N 60° E	2·9	2·1	+0·8	59	+26	92	+ 1	·798	−·012	8·2	+0·3	20	15·7	+4·3	23·38	11·77	+11·61	23·38	11·77	+11·61	5·55	Sibsagar.
8	0	7	11	2	1	0	2	0	N 81° E		2·8			49		92	+ 5	·817	+·039	8·4	+2·2	22	14·4	+7·6	14·54	8·25	+ 6·29	14·54	8·25	+ 6·29	1·72	Tezpur.
30	0	1	0	0	0	0	0	0	N 45° E		1·6			3		88	+ 2	·820	+·031	8·2	+1·6	20	13·6	+6·4	18·90	9·45	+ 9·45	18·90	9·45	+ 9·45	2·83	Gauhati.
3	0	9	13	4	1	0	1	0	N 84° E	N 67° E	6·1	5·2	+0·9	69	+15	89	+ 2	·819	+·018	7·5	+1·3	19	15·5	+3·5	31·80	14·94	+16·86	31·80	14·94	+16·86	4·97	Dhubri.
27	0	0	3	0	0	0	0	1	N 73° E	N 84° E	1·8	2·3	−0·5	7	− 6	90	+ 5	·822	−·007	6·7*	+0·2	24	16·1	+7·9	32·76	15·22	+17·54	32·76	15·22	+17·54	6·25	Silchar.
																91	+ 6	·844	−·017	4·0		20	13·2	+6·8	32·61	12·99	+19·62	32·61	12·99	+19·62	6·40	Srimangal.
																																III.—Bengal.
4	0	0	5	16	6	0	0	0	S 43° E		4·2			72		86		·906		6·2		15			14·73			14·73			2·85	Cox's Bazar.
6	0	3	16	4	1	1	0	0	S 83° E	S 50° E	2·1	4·7	−2·6	66	+ 1	85	+ 4	·888	−·002	7·3	+1·9	17	10·7	+6·3	17·98	9·31	+ 8·67	17·98	9·31	+ 8·67	3·73	Chittagong.
3	0	0	3	15	7	2	1	0	S 30° E		4·6			71		83	0	·906	−·012	6·1	+1·8	17	10·6	+6·4	16·53	11·66	+ 4·87	16·53	11·66	+ 4·87	3·42	Noakhali.
4	0	1	1	3	14	7	1	0	S 6° W	S 9° E	3·2	3·7	−0·5	66	+16	81	− 1	·959	+·001	7·9	+2·5	11	9·7	+1·3	9·15	8·89	+ 0·26	9·15	8·89	+ 0·26	2·05	Barisal.
1	0	2	5	5	13	4	1	0	S 18° E	S 28° E	3·9	4·9	−1·0	62	+ 3	83	− 1	·928	+·008	6·7	+0·7	15	10·9	+4·1	13·14	8·94	+ 4·20	13·14	8·94	+ 4·20	2·50	Narayanganj.

(a) Indeterminate.

* Mean of 30 days.

Table

(2) Abstract of observations taken at 8 hrs. at 214

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 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
	III.—Bengal—*concld.*																						
	Mymensingh	63	29·663	—·046	29·678	29·837	1st	29·442	17th	·395	78·7	87·4	—1·5	74·8	+0·7	81·1	—0·4	12·6	94·3	3rd	71·0	28th	23·3
	Bogra	75	29·628	—·052	29·654	29·792	1st	29·392	17th	·400	80·1	90·2	—2·2	75·5	+1·3	82·9	—0·5	14·7	101·0	3rd	71·4	24th	29·6
	Dinajpur	123	29·557	—·066	29·635	29·725	1st	29·337	17th	·388	79·0	89·7	—2·2	75·2	+1·5	82·5	—0·3	14·5	100·3	3rd	70·5	24th	29·8
	Jalpaiguri	283	29·436	—·047	29·677	29·596	1st	29·234	17th	·362	78·0	88·0	—0·9	74·1	+1·7	81·1	+0·4	13·9	93·6	12th	68·5	19th	25·1
	Saugor Island	10	29·675	—·049	29·630	29·897	4th	29·498	17th	·399	85·8	90·6	—1·2	81·1	+0·2	85·9	—0·5	9·5	93·8	19th	72·5	4th	21·3
	Midnapore	149	29·513*	—·058	29·605*	29·692	1st	29·344	17th	·348	86·3	99·8	—0·1	80·2	+1·9	90·0	+0·9	19·6	109·8	28th	72·1	4th	37·7
	Calcutta	21	29·659	—·052	29·627	29·922	4th	29·467	17th	·455	84·8	94·4	—0·1	79·4	+1·9	86·9	+0·9	15·0	103·1	19th	72·9	7th	30·2
	Jessore	30	29·662	—·049	29·638	29·845	4th	29·478	17th	·367	83·7	93·2	—1·3	77·8	+1·2	85·5	—0·1	15·4	97·9	19th	71·7	24th	26·2
	Burdwan	99	29·559	—·064	29·605	29·744	4th	29·360	17th	·384	83·4	96·9	—0·9	77·7	+0·2	87·3	—0·3	19·2	105·8	19th	71·8	4th	34·0
	Berhampore	67	29·606	—·056	29·622	29·796	4th	29·382	17th	·414	81·8	94·0	—2·6	77·9	+1·5	86·0	—0·5	16·1	102·9	4th	71·2	4th	31·7
	IV.—Bihar and Orissa.																						
6	Balasore	50	29·618	—·057	29·613	29·825	4th	29·462	17th	·363	85·9	98·2	+1·0	80·2	+1·6	89·2	+1·3	18·0	108·8	28th	72·8	16th	36·0
	Hukitala (False Point).	29	29·661	—·049	29·611	29·849	1st	29·540	10th, 17th & 18th.	·309													
	Cuttack	80	29·608	—·042	29·628	29·779	1st	29·473	17th	·306	87·1	100·2	—1·3	80·8	+0·8	90·5	—0·3	19·4	106·5	21st	73·2	7th	33·3
	Puri	24	29·666	—·051	29·631	29·849	1st	29·532	10th	·317	85·6	91·2	+1·3	83·0	+2·1	87·1	+1·7	8·2	95·0	22nd	75·0	5th	20·0
	Angul	455	29·207	—·058	29·600	29·382	1st	29·061	17th	·321	86·7	104·9	+0·5	80·7	+2·2	92·8	+1·3	24·2	112·3	30th	71·0	8th	41·3
	Sambalpur	486	29·171	—·059	29·593	29·243	1st	29·036	12th	·307	91·3	107·9	+1·3	83·7	+2·5	95·8	+1·9	24·2	115·2	31st	72·1	7th	43·1
7	Chaibasa	733	28·909	—·064	29·579	29·072	1st	28·754	17th	·318	87·2	105·6	+1·7	81·9	+4·0?	93·7	+2·9?	23·7	115·0	29th	70·8	4th	44·2
	Ranchi	2,128	27·571	—·041	29·567	27·714	1st	27·440	17th	·274	84·7	99·3	+0·1	78·1	+2·6	88·7	+1·3	21·2	107·9	29th	68·9	4th	39·0
	Purulia	816	28·832†	—·061†	29·583†	28·956	26th	28·674	17th	·282	85·8	104·5	+2·4	80·1	+2·8	92·3	+2·6	24·4	115·2	28th	68·9	4th	46·3
	Daltonganj	730	28·903	—·061	29·557	29·064	1st	28·762	17th	·302	89·2	108·5	+1·6	82·8	+3·6	95·6	+2·6	25·7	114·5	27th	72·0	7th	42·5
8	Purnea	124	29·550	—·063	29·628	29·715	1st	29·342	17th	·373	79·8	92·4	—2·6	75·9	+1·7	84·1	—0·5	16·5	104·5	3rd	71·6	23rd	32·9
	Monghyr	155	29·492*		29·599*	29·655	1st	29·311	17th	·344	82·7	96·4		77·1		86·8		19·3	106·2	3rd	69·9	4th	36·3
	Darbhanga	165	29·499	—·052	29·620	29·686	1st	29·309	18th	·377	81·4	91·8	—4·0?	76·2	+0·2	84·0	—1·9?	15·6	100·5	3rd	70·7	23rd	29·8
	Pusa	188	29·463		29·605	29·618	1st	29·294	18th	·324	82·4	96·2		75·2		85·7		21·0	104·1	3rd	69·9	23rd	34·2
	Patna	183	29·452	—·060	29·589	29·612	1st	29·284	18th	·328	84·7	99·3	—0·9	79·4	+1·7	89·3	+0·4	19·9	108·4	26th	70·4	4th	38·0
	Buxar	239	29·360	—·063	29·571	29·541	1st	29·218	17th	·323	87·1	104·2	+1·2	81·9	+2·7	93·0	+1·9	22·3	110·5	26th & 27th.	74·3	4th	36·2
	Gaya	372	29·248	—·062	29·565	29·402	4th	29·084	17th	·318	89·0	105·3	+0·6	81·9	+2·2	93·6	+1·4	23·4	112·9	27th	75·0	4th	38·9
	Naya Dumka	489	29·156	—·066	29·599	29·371	1st	28·964	17th	·407	83·6	98·2	—0·6	76·9	—0·2	87·6	—0·4	21·3	106·9	19th	70·0	15th	36·9
	V.—United Provinces of Agra and Oudh.																						
9	Gorakhpur	257	29·378	—·059	29·590	29·540	1st	29·197	18th	·343	85·4	99·8	—1·1	79·5	+2·6	89·6	+0·7	20·3	106·3	26th	71·0	4th	35·3
	Benares	267	29·354	—·059	29·568	29·515	1st	29·206	17th	·309	91·8	105·8	+1·5	83·0	+4·2	94·9	+2·9	23·8	113·2	27th	76·4	4th	36·8
	Allahabad	308	29·301	—·064	29·560	29·453	1st	29·162	17th	·291	92·8	108·8	+1·9	84·3	+4·7	96·6	+3·3	24·5	115·0	31st	77·5	4th	37·5
	Cawnpore	416	29·202	—·052	29·564	29·353	1st	29·068	17th	·285	90·7	107·6	+1·8	83·8	+4·7	95·7	+3·3	23·8	113·0	28th & 31st.	74·3	7th	38·7

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

* Mean of 30 days.
† " " 28 "

B—*continued.*

stations in India, etc., in May, 1915—*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 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, 1915.	Normal rainfall for period 1st to 31st May.	Departure from normal of period, 1st to 31st May, 1915.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																III.—Bengal—*concld.*
9	0	0	10	8	3	0	0	1	S 63° E	S 81° E	2·6	3·0	−0·4	59	− 9	88	+ 4	·863	+ ·024	8·0	+1·8	17	13·3	+ 3·7	19·01	13·03	+ 5·98	19·01	13·03	+ 5·98	4·36	Mymensingh.
7	1	4	13	1	3	2	0	0	S 85° E	S 72° E	2·1	3·2	−1·1	49	−11	88	+ 7	·905	+ ·074	7·9	+3·6	12	10·0	+ 2·0	12·77	8·34	+ 4·43	12·77	8·34	+ 4·43	4·04	Bogra
0	2	8	14	5	2	0	0	0	N 85° E	N 88° E	4·4	3·4	+1·0	76	+ 4	86	+ 7	·853	+ ·054	6·8	+0·9	15	8·9	+ 6·1	13·43	7·49	+ 5·94	13·43	7·49	+ 5·94	5·10	Dinajpur.
31	0	0	0	0	0	0	0	0	Calm	N 88° E	1·5			(a)		89	+ 6	·849	+ ·059	4·2	−0·1	15	12·6	+ 2·4	11·43	11·39	+ 0·04	11·43	11·39	+ 0·04	1·69	Jalpaiguri.
0	1	3	0	1	16	10	0	0	S 12° W		12·3			72	− 3	84	+ 3	1·034	+ ·034	7·2	+1·0	4	5·8	−1·8	4·51	4·48	+ 0·03	4·51	4·48	+ 0·03	2·60	Saugor Island.
0	0	3	1	12	12	2	1	0	S 24° E		5·3			71		81†	+ 7	1·006†	+ ·121?	4·1	+1·8	5	7·3	− 2·3	2·43	5·05	− 2·62	2·43	5·05	− 2·62	0·83	Midnapore.
0	0	3	2	5	9	12	0	0	S 2° W	S 6° W	5·3	5·1	+0·2	62	− 6	81	+ 2	·974	+ ·037	5·5	+0·8	8	7·2	+ 0·8	5·65	5·74	− 0·09	5·65	5·74	− 0·09	1·96	Calcutta.
10	0	2	2	7	10	0	0	0	S 32° E	S 16° E	4·7	3·4	+1·3	49	− 5	80	− 3	·930	− ·022	6·1	+0·6	10	9·6	+ 0·4	11·32	8·05	+ 3·27	11·32	8·05	+ 3·27	2·17	Jessore.
6	0	1	1	6	12	5	0	0	S 7° E	S 11° W	2·6	3·4	−0·8	62	+ 8	82	+ 5	·940	+ ·052	6·6	+1·4	7	7·4	− 0·4	5·58	6·36	− 0·78	5·58	6·36	− 0·78	1·30	Burdwan.
0	2	2	8	7	11	0	1	0	S 47° E	S 37° E	3·7	3·7	0	59	+ 9	87	+ 6	·942	+ ·062	8·4	+3·1	13	7·4	+ 5·6	14·60	5·24	+ 9·36	14·60	5·24	+ 9·36	6·13	Berhampore.
																																IV.—Bihar and Orissa.
1	0	1	1	1	6	19	1	1	S 34° W	S 29° W	4·7	6·4	−1·7	76	+ 1	76	+ 1	·941	+ ·019	4·3	+1·0	7	6·3	+ 0·7	3·53	4·75	− 1·22	3·53	4·75	− 1·22	1·00	Balasore.
1	0	0	0	0	10	15	2	3	S 38° W		14·2			76	+ 1					5·3	−0·8	6	4·3	+ 1·7	3·84	4·35	− 0·51	3·84	4·35	− 0·51	1·60	Hukitala (False Point)
3	0	0	1	1	7	14	4	1	S 37° W	S 46° W	3·3	3·7	−0·4	69	+29	73	0	·941	+ ·030	4·1	−0·4	7	5·5	+ 1·5	7·26	3·99	+ 3·27	7·26	3·99	+ 3·27	2·86	Cuttack.
0	0	0	1	0	15	14	1	0	S 22° W		16·0			87		85	0	1·044	+ ·032	5·9	+1·6	5	3·1	+ 1·9	4·64	2·73	+ 1·91	4·64	2·73	+ 1·91	1·53	Puri.
9	0	10	5	3	0	0	1	3	N 58° E		5·0			42		69	+ 2	·861	+ ·036	3·9	+1·9	5	3·8	+ 1·2	2·22	1·54	+ 0·68	2·22	1·54	+ 0·68	0·91	Angul.
0	1	6	1	1	2	14	5	1	S 55° W	S 7° E	3·5	3·1	+0·4	40	− 2	50	0	·713	+ ·007	2·9	0	2	2·5	− 0·5	0·65	1·31	− 0·66	0·65	1·31	− 0·66	0·27	Sambalpur.
12	0	0	1	1	4	13	0	0	S 29° W	S 58° W	3·5	2·0	+1·5	53	+ 6	63	− 1	·790	+ ·041	4·1	+1·8	4	5·3	− 1·6	1·21	3·34	− 2·13	1·21	3·34	− 2·13	0·71	Chaibassa.
0	0	0	3	2	6	12	6	2	S 38° W	S 43° W	5·9	5·7	+0·2	59	+12	54	+ 3	·605	+ ·025	3·3	+1·0	4	4·6	− 0·6	1·06	2·29	− 1·23	1·06	2·29	− 1·23	0·29	Ranchi.
8	0	2	3	4	5	6	1	2	S 6° E		2·3			29		66	0	·804	+ ·058	6·0	+3·6	4	5·1	− 1·1	3·76	2·74	+ 1·02	3·76	2·74	+ 1·02	1·32	Purulia
12	1	1	6	5	0	3	2	1	S 59° E		3·8			19		46	− 2	·615	+ ·001	2·7	+1·2	1	1·1	− 0·1	0·39	0·51	− 0·12	0·39	0·51	− 0·12	0·23	Daltonganj.
0	2	7	17	3	1	0	1	0	N 81° E	N 82° E	4·0	3·3	+0·7	76	+ 1	86	+ 9	·867	+ ·056	7·8	+4·1	9	5·6	+ 3·4	6·99	4·45	+ 2·54	6·99	4·45	+ 2·54	1·65	Purnea
1	0	4	25	6	0	0	0	0	S 88° E		7·0			87		78		·876		4·5		6			2·78			2·78			1·01	Monghyr.
0	0	1	29	1	0	0	0	0	E	S 79° E	6·7	4·5	+2·2	68	+22	82	+10	·868	+ ·073	8·5	+6·2	6	3·9	+ 2·1	3·47	2·86	+ 0·61	3·47	2·86	+ 0·61	1·45	Darbhanga.
0	0	3	26	2	0	0	0	0	N 86° E		5·8			94		79		·831		5·2		5			1·99			1·99			0·51	Pusa.
0	0	1	29	1	0	0	0	0	E	N 87° E	6·9	4·2	+2·7	98	+30	75	+11	·897	+ ·145	3·4	+1·4	1	3·0	− 2·0	0·39	1·66	− 1·27	0·39	1·66	− 1·27	0·37	Patna.
0	0	4	17	6	0	1	3	0	S 81° E		4·9			65		62	+10	·783	+ ·150?	3·4	+1·6	0	1·4	− 1·4	0·06	0·67	− 0·61	0·06	0·67	− 0·61	0·06	Buxar.
5	0	7	6	6	1	3	1	2	S 85° E	S 78° W	5·3	3·9	+1·4	37	+ 9	60	+ 2	·797	+ ·025	1·5	−1·0	1	1·7	− 0·7	1·90	1·03	+ 0·87	1·90	1·03	+ 0.87	1·80	Gaya.
2	0	1	9	8	11	0	0	0	S 41° E		3·5			69		78	+11	·888	+ ·122?	4·9	+1·9	9	4·8	+ 4·2	4·80	3·27	+ 1·53	4·80	3·27	+ 1·53	1·21	Naya Dumka.
																																V.—United Provinces of Agra and Oudh.
0	0	5	26	0	0	0	0	0	N 83° E	N 76° E	5·2	2·6	+2·6	96	+53	70	+ 7	·844	+ ·116	1·7	−0·3	3	2·8	+ 0·2	0·77	1·42	− 0·65	0·77	1·42	− 0·65	0·44	Gorakhpur.
2	0	2	9	5	0	4	4	4	S 64° E	N 72° E	3·2	3·7	−0·5	13	+ 1	51	− 1	·731	+ ·058	1·4	−0·2	0	0·9	− 0·9	0	0·51	− 0·51	0	0·51	− 0·51	0	Benares.
4	0	4	10	0	0	0	12	1	N 1° E	N 2° E	4·5	5·0	−0·5	11	+ 2	40	− 2	·590	+ ·017	2·0	+0·3	0	0·8	− 0·8	0	0·26	− 0·26	0	0·26	− 0·26	0	Allahabad.
4	0	1	5	6	3	0	6	6	S 8° W	S 56° W	2·9	3·6	−0·7	7	− 8	43	+ 4	·599	+ ·006	1·2	0	0	0·7	− 0·7	0	0·28	− 0·28	0	0·28	− 0·28	0	Cawnpore.

(a) Indeterminate.

† Mean of 28 days.

Table

(2) Abstract of observations taken at 8 hrs. at 214

Number of sub-division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	V.—United Provinces of Agra and Oudh—*concld.*																						
	Lucknow	368	29·248	—·061	29·561	29·409	1st	29·084	17th	·325	91·9	106·8	+1·7	82·7	+5·1	94·7	+3·4	24·1	113·6	27th	70·0	7th	43·6
	Bahraich	407	29·210	—·067	29·571	29·388	1st	29·031	18th	·357	86·1	101·9	—0·7	80·1	+3·1	91·0	+1·2	21·8	109·3	26th	68·9	8th	40·4
10	Jhansi	824	28·820	—·068	29·569	28·959	24th	28·684	11th	·275	96·0	110·9	+2·5	86·9	+2·5	98·8	+2·5	24·0	116·7	31st	75·8	20th	40·9
	Agra	556	29·057	—·067	29·553	29·193	1st	28·915	17th	·278	96·0	109·7	+3·0	85·9	+4·4	97·8	+3·7	23·6	114·8	29th	77·7	20th	37·2
	Mainpuri	516	29·085	—·071	29·543	29·240	1st	28·930	17th	·310	93·0	109·9	+2·7	83·6	+4·9	96·7	+3·8	26·3	116·2	29th	75·6	7th	40·6
	Bareilly	588	29·047	—·055	29·564	29·249	1st	28·878	17th & 18th.	·362	89·2	104·4	+1·3	80·6	+4·2	92·5	+2·7	23·8	111·8	28th	70·7	7th	41·1
	Roorkee	899	28·719	—·053	29·562	28·892	1st	28·543	17th	·349	88·1	102·3	—0·2	77·0	+2·8	89·6	+1·3	25·3	110·3	27th	62·4	20th	47·9
	VI.—Punjab.																						
11	Delhi	718	28·892	—·061	29·556	29·039	1st	28·718	17th	·321	90·1	107·5	+3·0	83·7	+3·3	95·6	+3·1	23·8	112·4	29th	74·7	20th	37·7
	Hissar	725	28·871	—·058	29·537	29·010	24th	28·730	17th	·280	93·2	111·9	+5·1	82·9	+5·5	97·4	+5·3	29·0	115·8	31st	73·3	7th	42·5
	Patiala	*818*	28·783	—·070	29·546	28·997	1st	28·605	17th	·392	89·7	106·6	+3·7	81·2	+4·7	93·9	+4·2	25·4	111·4	27th	73·0	7th	38·4
	Ambala	892	28·706	—·063	29·542	28·877	1st	28·524	17th	·353	89·2	107·1	+3·0	79·6	+4·0	93·4	+3·5	27·5	112·7	27th	67·3	7th	45·4
	Ludhiana	812	28·795	—·045	29·55[illegible]	28·959	1st	28·594	17th	·365	89·7	109·2	+5·0	81·8	+6·1	95·5	+5·5	27·4	114·5	27th	72·4	7th	42·1
	Lahore	702	28·862	—·080	29·514	29·017	1st	28·677	17th	·340	92·1	111·5	+6·1	80·7	+7·3	96·1	+6·7	30·8	115·8	30th & 31st.	74·4	7th	41·4
	Sialkot	830	28·733	—·088	29·513	28·900	1st	28·541	17th	·359	89·7	107·3	+4·1	77·6	+2·6	92·5	+3·3	29·7	112·9	29th	70·5	12th	42·4
	Rawalpindi*	1,674	27·940	—·079	29·519	28·101	1st	27·766	17th	·335	89·8	106·0	+8·0	72·7	+4·2	89·3	+6·1	33·3	111·7	13th & 15th,	66·4	20th	45·3
12	Khushab	612	28·947	—·093	29·510	29·116	25th	28·760	17th	·356	94·2	111·2†	+4·3†	81·4	+4·5	96·9†	+4·4	29·8	115·4	29th	71·4	23rd	44·0
	Lyallpur	605	28·939		29·493	29·109	24th	28·770	17th	·339	93·6	111·0		80·8		95·9		30·2	116·8	13th	75·6	2nd	41·2
	Montgomery	558	28·980	—·100	29·489	29·174	25th	28·816	17th	·358	93·6	111·7	+4·5	82·3	+4·3	97·0	+4·4	29·4	116·1	4th	73·5	8th	42·6
	Multan	426	29·111	—·108	29·489	29·309	25th	28·937	17th	·372	91·9	112·9	+6·0?	84·6	+6·5	98·8	+6·3?	28·3	117·6	11th	81·1	18th	36·5
	VII.—North-West Frontier Province.																						
14	Peshawar	1,113	28·486	—·108	29·540	28·689	24th	28·313	17th	·376	89·5	108·2	+10·1	74·1	+4·2	91·2	+7·1	34·1	113·2	13th	66·9	20th	46·3
	D. I. Khan	590	28·957	—·131	29·502	29·153	24th	28·759	17th	·394	91·1	109·2	+5·4	80·6	+6·0	94·9	+5·7	28·6	114·7	13th	75·5	1st	39·2
	VIII.—Sind.																						
16	Jacobabad	186	29·388	—·078	29·528	29·607	25th	29·229	18th	·378	92·6	117·6	+5·6	82·1	+3·8	99·9	+4·7	35·5	123·1	31st	76·8	26th	46·3
	Hyderabad	96	29·530	—·071	29·577	29·744	25th	29·394	18th	·350	85·5	105·4	—1·8	78·8	+0·6	92·1	—0·6	26·6	112·9	6th	71·7	2nd	41·2
	Karachi	13	29·684	—·053	29·618	29·893	25th	29·542	9th	·351	83·2	88·4	—0·4	80·3	+2·0	84·3	+0·8	8·1	88·2	7th	77·1	1st	13·1
	IX.—Rajputana.																						
17	Bikaner	*771*	28·846	—·053	29·557	29·029	25th	28·692	9th	·337	91·9	112·0	+4·6	84·6	+1·7	98·3	+3·1	27·4	116·7	11th	78·9	23rd	37·8
	Jodhpur	780	28·897	—·044	29·623	29·067	25th	28·741	9th	·326	86·3	107·5	+1·0	80·8	+0·6	94·2	+0·8	26·7	113·5	4th	74·1	23rd & 24th.	39·4
18	Jaipur	1,431	28·224	—·076	29·5[illegible]4	28·366	24th & 25th.	28·077	9th	·289	90·3	109·0	+2·5	81·5	+3·2	95·2	+2·9	27·5	112·0	3rd & 4th	77·1	8th & 25th	34·9
	Ajmer	1,611	28·092	—·047	29·606	28·246	24th	27·952	9th	·294	87·8	106·0	+2·2	83·6	+3·6	94·8	+2·9	22·4	111·1	4th	78·8	22nd	32·3
	Kotah	832	28·835	—·051	29·595	28·982	24th	28·686	9th	·296	95·0	110·8	+1·9	87·6	+1·9	99·2	+1·9	23·2	114·8	4th	82·8	18th	32·0

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

* Mean of 30 days.
† „ „ 12 „

B—*continued.*

stations in India, etc., in May, 1915—*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 May 1915.	Normal rainfall for period, 1st to 31st May.	Departure from normal of period, 1st to 31st May 1915.	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
																																V.—United Provinces of Agra and Oudh—*concld.*
8	0	2	10	3	0	2	5	1	S 78° E	N 72° E	2·3	2·9	−0·6	20	+ 7	46	0	·657	+·075	1·8	0	1	1·4	−0·4	1·25	0·88	+0·37	1·25	0·88	+0·37	1·25	Lucknow.
5	0	0	22	3	0	0	1	0	S 85° E	S 72° E	0·7	3·6	−2·9	76	+30	65	+ 6	·793	+·080	1·1	−0·3	3	2·9	+0·1	2·16	1·53	+0·63	2·16	1·53	+0·63	1·71	Bahraich.
0	0	0	4	1	0	10	13	3	S 72° W	N 79° W	6·0	3·4	+2·6	59	+19	32	− 6	·524	−·037	1·6	+0·5	0	1·2	−1·2	0·09	0·35	−0·26	0·09	0·35	−0·26	0·07	Jhansi.
2	1	1	4	5	0	10	7	1	S 39° W	S 49° W	5·3	4·5	+0·8	33	− 6	40	+ 2	·666	+·140	1·3	+0·1	0	1·4	−1·4	0·15	0·48	−0·33	0·15	0·48	−0·33	0.08	Agra.
3	1	0	5	8	1	1	10	2	S 18° W	N 84° W	3·4	2·0	+1·4	17	+ 2	40	− 1	·598	+·054	0·7	−1·3	1	0·7	+0·3	0·18	0·33	−0·15	0·18	0·33	−0·15	0·16	Mainpuri.
9	1	0	9	5	0	0	7	0	S 65° E	S 73° E	2·6	3·1	−0·5	20	+ 7	63	+14	·859	+·253?	2·3	+0·8	0	1·7	−1·7	0·10	0·70	−0·60	0·10	0·70	−0·60	0·05	Bareilly.
12	0	0	0	15	0	0	0	4	S 45° E	S 45° E	3·3	2·7	+0·6	37	+ 8	49	+10	·631	+·160	1·0	−0·3	3	1·8	+1·2	1·43	0·83	+0·60	1·43	0·83	+0·60	0·75	Roorkee.
																																VI.—Panjab.
2	1	0	0	13	1	3	7	4	S 19° W	S 73° W	5·5	3·2	+2·3	27	+ 2	46	+ 7	·641	+·147	1·1	−0·9	0	1·8	−1·8	0·03	0·63	−0·60	0·03	0·63	−0·60	0·03	Delhi.
2	1	0	0	5	5	9	8	1	S 41° W	S 39° W	6·8	4·5	+2·3	55	+31	44	+ 6	·673	+·169	0·9	−1·0	0	1·5	−1·5	0·14	0·61	−0·47	0·14	0·61	−0·47	0·09	Hissar.
1	0	0	6	11	1	4	7	1	S 15° E		5·5			36		41	− 3	·559	+·006	0·3	−0·3	0	1·7	−1·7	0	0·63	−0·63	0	0·63	−0·63	0	Pattiala.
0	1	1	17	2	1	0	7	2	N 86° E	S 89° E	5·0	2·3	+2·7	37	+29	39	− 6?	·523	−·013?	0·7	−0·4	1	1·6	−0·6	1·06	0·60	+0·46	1·06	0·60	+0·46	1·06	Ambala.
13	1	1	0	9	2	0	3	2	S 27° E	S 44° E	2·0	1·9	+0·1	20	+ 6	36	− 3	·497	+·010	0·2	−1·3	0	1·5	−1·5	0	0·60	−0·60	0	0·60	−0·60	0	Ludhiana.
8	2	1	4	7	0	2	2	5	S 88° E	N 72° E	2·1	2·3	−0·2	9	−13	38	− 3	·558	+·054	1·3	−0·3	0	1·4	−1·4	0	0·67	−0·67	0	0·67	−0·67	0	Lahore.
4	3	7	10	5	0	0	1	1	N 73° E	N 41° E	3·0	2·3	+0·7	56	+17	41	0	·565	+·053	0·8	−0·5	2	2·2	−0·2	0·37	1·09	−0·72	0·37	1·09	−0·72	0·23	Sialkot.
11	3	3	3	4	2	1	1	2	N 78° E	N 14° E	2·7*	2·2	+0·5	17	− 1	32	−10	·444	−·008	1·6	−0·5	0	2·7	−2·7	0	1·42	−1·42	0	1·42	−1·42	0	Rawalpindi.
5	1	7	11	4	1	1	1	0	N 85° E	N 14° E	5·2	5·1	+0·1	56	+38	33	− 1	·511	−·031	1·1	0	1	1·5	−0·5	0·16	0·77	−0·61	0·16	0·77	−0·61	0·10	Khushab.
1	1	4	3	8	2	9	1	2	S 18° E		2·9			30		33		·525		1·5		0	1·1	−1·1	0	0·40	−0·40	0	0·40	−0·40	0	Lyallpur.
1	1	2	3	5	7	11	1	0	S 3° W	S 48° E	5·4	5·5	−0·1	53	+39	34	+ 3	·518	+·080	0·3	−0·7	1	1·0	0	0·28	0·36	−0·08	0·28	0·36	−0·08	0·28	Montgomery.
11	0	0	0	2	11	7	0	0	S 11° W	S 12° E	2·1	1·9	+0·2	56	+49	50	+ 8	·748	+·198	0	−0·6	0	0·7	−0·7	0	0·29	−0·29	0	0·29	−0·29	0	Multan.
																																VII.—North-West Frontier Province.
21	5	1	0	0	1	0	0	3	N 12° W	N 50° W	1·7	3·4	−1·7	23	+12	38	− 5	·511	+·024	0·4	−1·8	1	2·1	−1·1	0·34	0·93	−0·59	0·34	0·93	−0·59	0·34	Peshawar.
12	5	10	1	0	0	0	0	3	N 23° E	N 16° E	6·5	1·8	+4·7	49	+24	47	− 1	·680	+·089	0·2	−0·8	1	0·9	+0·1	0·34	0·42	−0·08	0·34	0·42	−0·08	0·25	D. I. Khan.
																																VIII.—Sind.
10	0	0	4	12	4	0	1	0	S 43° E	S 53° E	2·1	3·4	−1·3	53	+24	55	+13	·831	+·199	0	−0·8	0	0·4	−0·4	0	0·14	−0·14	0	0·14	−0·14	0	Jacobabad.
0	0	0	0	0	15	16	0	0	S 23° W	S 45° W	10·1	10·6	−0·5	96	+ 6	65	+11	·792	+·122	0	−0·8	0	0·3	−0·3	0	0·17	−0·17	0	0·17	−0·17	0	Hyderabad.
0	0	0	0	0	0	12	19	0	S 73° W	S 56° W	13·7	12·3	+1·4	92	+38	81	+ 1	·922	+·043	5·1	+1·9	0	0·1	−0·1	0	0·06	−0·06	0	0·06	−0·06	0	Karachi.
																																IX.—Rajputana.
0	0	0	0	0	7	14	9	1	S 50° W	S 36° W	8·4	5·8	+2·6	79	+14	42	− 2	·615	−·010	0·2	−0·9	0	1·2	−1·2	0	0·64	−0·64	0	0·64	−0·64	0	Bikaner.
1	0	0	0	0	3	24	3	0	S 45° W		6·9			92		48	+ 6	·587	+·058	0·7	−0·4	0	0·7	−0·7	0	0·25	−0·25	0	0·25	−0·25	0	Jodhpur.
2	0	1	1	0	0	2	15	10	N 74° W	S 88° W	6·0	4·6	+1·4	76	+26	37	0	·518	+·021	1·0	−0·4	1	1·4	−0·4	0·18	0·53	−0·35	0·18	0·53	−0·35	0·10	Jaipur
1	0	1	0	0	0	14	13	2	S 72° W	S 79° W	7·3	6·4	+0·9	79	+ 4	41	− 3	·530	−·037	0·6	−0·5	0	1·6	−1·6	0	0·55	−0·55	0	0·55	−0·55	0	Ajmer.
3	2	0	0	0	0	5	17	4	N 87° W		5·6			76		31	+ 3	·503	+·066	0·5	−0·1	0	1·2	−1·2	0	0·43	−0·43	0	0·43	−0·43	0	Kotah.

* Mean of 29 days.

Table

(2) Abstract of observations taken at 8 hrs. at 214

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 maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	X.—Bombay.																						
19	Deesa	466	29·282	—·033	29·696	29·418	25th	29·156	9th	·262	85·8	107·2	+0·2	78·0	+0·6	92·6	+0·4	29·2	114·5	3rd	73·3	1st	41·2
	Bhuj	395	29·391	—·052	29·673	29·558	25th	29·270	18th	·288	84·7	99·1	—2·3	77·5	+1·0	88·3	—0·7	21·6	109·4	3rd	71·8	1st	37·6
	Jamnagar	61	29·690	—·051	29·696	29·850	25th	29·563	9th	·287	87·1	98·6	+0·7	77·9	+1·2	88·2	+0·2	20·7	103·5	5th	71·6	2nd	31·9
	Dwarka	37	29·732	—·048	29·715	29·892	25th	29·617	9th	·275	82·9	88·0	+0·3	80·5	+0·2	84·3	+0·3	7·5	90·1	30th	78·4	3rd	11·7
	Rajkot	429	29·334	—·046	29·707	29·471	25th	29·235	9th	·236	85·4	104·8	—0·5	76·2	+1·2	90·5	+0·3	28·6	110·6	4th	71·8	3rd	38·8
	Veraval	*18*	29·772	—·044	29·733	29·879	25th	29·681	9th	·198	82·4	85·2	—1·2	79·9	+1·5	82·6	+0·1	5·3	88·0	2nd	73·2	1st	14·8
	Bhavnagar Para	55	29·727	—·041	29·727	29·839	25th	29·609	8th & 5th.	·230	86·8	106·5	+1·4	79·5	+1·3	93·1	+1·3	27·0	112·8	3rd	72·2	4th	40·6
	Surat	39	29·764	—·035	29·746	29·858	24th	29·653	9th	·205	86·5	95·5	—2·2	80·7	+2·3	88·1	+0·1	14·8	106·1	27th	77·3	1st	28·8
	Ahmadabad	163	29·611	—·035	29·721	29·732	24th	29·490	9th	·242	86·7	108·6	+1·0	80·0	+0·6	94·3	+0·8	28·6	114·7	3rd	75·7	13th	39·0
25	Bombay	37	29·806	—·028	29·783	29·871	2nd	29·711	9th	·160	85·3	92·0	+1·2	82·4	+1·7	87·2	+1·5	9·6	94·2	27th	79·4	1st	14·8
	Ratnagiri	207	29·643	—·020	29·788	29·711	20th	29·564	9th	·147	85·4	90·7	—0·3	81·8	+2·1	86·2	+0·9	8·9	92·3	1st	77·7	1st	14·6
	Marmagao	*60*	29·799	—·020	29·793	29·882	19th	29·704	9th	·178	87·0	92·3	+2·5?	82·5	+1·5	87·4	+2·0?	9·8	94·2	1st	78·5	1st	15·7
	Karwar	44	29·831	·003	29·808	29·896	19th & 20th.	29·748	9th	·148	83·9*	90·2*	+0·4*	80·6*	+1·5*	85·4*	+0·5*	9·6	91·5	1st & 7th	74·0	1st	17·5
26	Malegaon	1,430	28·360	—·031	29·698	28·447	24th	28·228	9th	·219	87·9	108·3	+3·8	77·1	+1·9	92·7	+2·9	31·2	114·2	5th	74·1	20th & 24th.	40·1
	Ahmadnagar	2,154	27·684	—·021	29·712	27·762	26th	27·559	9th	·203	83·2	102·0	+0·9	72·4	+0·6	87·2	+0·7	29·6	109·2	3rd	68·2	10th	41·0
	Poona	1,846	27·995	—·021	29·752	28·076	26th	27·859	12th	·217	80·5	97·4	—2·3	73·9	+2·1	85·6	—0·1	23·5	107·2	27th	71·5	1st	35·7
	Sholapur	1,590	28·225	—·017	29·724	28·300	4th & 5th.	28·095	9th	·205	83·5	104·4	—0·4	77·2	+0·5	90·8	+0·1	27·2	109·1	30th	71·2	18th	37·9
	Bijapur	*1,948*	27·880	—·024	29·723	27·953	20th	27·770	9th	·183	81·0	100·8	—0·5	73·9	—0·5	87·3	—0·5	26·9	105·5	4th	66·9	14th	38·6
	Belgaum	2,562	27·331	—·009	29·776	27·384	20th	27·242	9th	·142	75·9	91·8	—1·3	69·2	+1·1	80·5	—0·1	22·5	96·5	26th	67·3	1st & 2nd	29·2
	XI.—Central India.																						
20	Neemuch	1,626	28·103	—·047	29·631	28·245	25th	27·964	9th	·281	86·6	105·3	+1·5	78·6	+1·2	91·9	+1·3	26·7	111·7	3rd	75·8	25th	35·9
	Indore	1,623	27·939	—·038	29·659	28·057	25th	27·815	9th	·242	85·3	105·2	+2·3	77·8	+1·6	91·5	+1·9	27·4	112·2	28th	75·1	17th & 22nd.	37·1
21	Nowgong	754	28·886	—·057	29·569	29·014	24th	28·760	11th & 12th.	·254	94·0	109·3	+2·0	83·1	+3·2	96·2	+2·6	26·2	114·4	4th	75·0	20th	39·4
	Sutna	1,041	28·591	—·058	29·548?	28·714	25th	28·462	12th	·252	93·9	107·0†	+1·4†	83·1	+3·4	95·1†	+2·4	23·9	115·8	29th	77·4	7th	36·4
	XII.—Central Provinces.																						
22	Buldana	2,134	27·661		29·669	27·756	25th	27·546	9th	·210	83·9	102·5	+1·0	77·7	0	90·1	+0·5	24·8	109·0	27th	71·8	18th	37·2
	Akola	925	28·820	—·030	29·671	28·908	4th	28·717	8th	·191	88·7	109·0	+0·9	82·2	+1·0	95·6	+0·9	26·8	115·5	28th	79·1	18th	36·4
	Amraoti	1,215	28·515	—·036	29·642	28·610	25th	28·403	9th	·207	96·3	109·0	+1·2	82·7	+2·5	95·9	+1·9	26·3	115·1	29th	79·5	24th	35·6
23	Khandwa	1,044	28·706	—·029	29·682	28·808	24th	28·596	10th	·212	86·0	107·9	+1·1	82·2	+1·0	95·0	+1·1	25·7	115·0	28th	78·3	9th	36·7
	Hoshangabad	1,006	28·714	—·034	29·639	28·841	25th	28·578	10th	·263	91·3	108·2	+0·8	81·5	+1·1	94·9	+0·9	25·7	113·7	28th	75·6	8th	38·1
	Saugor	1,807	27·905	—·048	29·588	28·034	25th	27·780	11th	·254	90·1	106·1	+1·1	81·4	+2·3	93·8	+1·7	24·7	111·8	4th	76·3	11th	35·5
	Jubbulpore	1,327	28·353	—·047	29·582	28·484	25th	28·242	9th	·242	90·8	107·1	+1·4	81·7	+3·0	94·4	+2·2	25·4	111·8	28th	75·9	25th	35·9
	Seoni	2,033	27·702	—·034	29·595	27·826	25th	27·581	10th	·245	89·9	104·0	+0·1	78·6?	+1·9	91·3?	+1·0	25·4	108·7	28th	70·8	21st	37·9
	Nagpur	1,017	28·685	—·034	29·615	28·790	1st	28·564	11th	·226	92·7	109·3	+0·1	84·4	+2·4	96·8	+1·3	24·9	114·7	30th	76·8	5th	37·9
24	Pendra	2,040	27·636	—·051	29·551	27·778	1st	27·518	12th	·260	90·5	103·8	+1·5	80·5	+2·0	92·1	+1·7	23·3	109·1	25th	71·0	7th	38·1

N.B.—Elevations in italics indicate barometrical determinations.
* Mean of 10 days.
† „ „ 30 „

B—*continued.*

stations in India, etc., in May, 1915—*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 hours. (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, 1915. (53)	Normal rainfall for period, 1st to 31st May. (54)	Departure from normal of period, 1st to 31st May 1915. (55)	Heaviest rainfall during month. (56)	Station. (57)
																																X.—Bombay.
1	2	0	0	0	5	19	2	2	S 49° W	S 83° W	11·7	9·8	+1·9	76	+11	58	+ 1	·700	+·016	4·0	+2·0	0	0·4	−0·4	0	0·19	− 0·19	0	0·19	− 0·19	0	Deesa.
0	0	0	0	0	0	9	21	1	S 79° W	S 77° W	12·0	12·7	−0·7	96	+13	68	+ 2	·819	+·018	0·7	−0·5	0	0·2	−0·2	0	0·07	− 0·07	0	0·07	− 0·07	0	Bhuj.
0	0	0	0	0	1	24	4	2	S 54° W		16·8			90		66†	0	·847†	+·040	2·4	+1·2	0	0·1	−0·1	0	0·02	− 0·02	0	0·02	− 0·02	0	Jamnagar.
0	0	0	0	0	2	18	8	3	S 61° W		13·0			86		81	0	·904	−·021	3·3	+1·0	0	0	0	0	0·01	− 0·01	0	0·01	− 0·01	0	Dwarka.
0	0	0	0	0	3	21	3	4	S 54° W	N 89° W	14·0	10·5	+3·5	86	+ 4	64	− 4	·781	−·019	3·2	+1·7	0	0·4	−0·4	0	0·17	− 0·17	0	0·17	− 0·17	0	Rajkot.
1	2	0	0	0	3	7	14	4	S 82° W	N 89° W	11·8	6·9	+4·9	72	− 4	83	+ 1	·914	+·010	3·2	−0·1	0	0·1	−0·1	0·08	0·05	+ 0·03	0·08	0·05	+ 0·03	0·08	Veraval.
1	2	0	0	0	0	21	4	3	S 63° W	S 62° W	6·6	10·3	−3·7	76	− 5	77	+15?	985	+·206?	3·9	+2·1	0	0·4	−0·4	0	0·15	− 0·15	0	0·15	− 0·15	0	Bhavnagar
2	0	1	0	3	9	10	4	2	S 31° W	S 54° W	7·5	8·1	−0·6	62	− 6	67	0	·834	−·002	5·6	+2·7	0	0·2	−0·2	0	0·10	− 0·10	0	0·10	− 0·10	0	Para. Surat.
2	0	0	0	0	1	20	2	6	S 62° W	S 81° W	6·5	5·1	+1·4	72	+ 9	56	− 2	713	−·020	4·2	+1·9	0	0·2	−0·2	0	0·08	− 0·08	0	0·08	− 0·08	0	Ahmadabad.
0	1	0	0	1	4	10	11	4	S 68° W	N 81° W	6·0	7·4	−1·4	69	+22	75	+ 1	·911	+·032	5·1	+1·1	2	0·7	+1·3	0·36	0·71	− 0·35	0·36	0·71	− 0·35	0·20	Bombay.
0	2	0	1	1	0	8	7	12	N 78° W	N 48° W	6·8	7·1	−0·3	62	+ 5	70	+ 1	846	+·007	4·5	+1·0	1	1·3	−0·3	0·28	1·17	− 0·89	0·28	1·17	− 0·89	0·15	Ratnagiri.
2	1	0	0	0	0	1	15	12	N 70° W	N 28° W	7·5	8·0	−0·5	82	+20	72	− 4?	·928	+·020	6·3	+1·5	1	2·3	−1·3	0·32	1·78	− 1·46	0·32	1·78	− 1·46	0·23	Marmagao.
14	11	1	0	0	1	1	0	3	N 9° W	N 30° W	2·2	4·2	−2·0	40	−23	72‡		·830‡		4·9	+1·0	6	3·1	+2·9	2·24	2·68	− 0·44	2·24	2·68	− 0·44	0·57	Karwar
2	0	0	0	0	1	15	9	4	S 69° W	N 79° W	10·2	9·7	+0·5	79	− 1	44	− 5	·574	−·042	1·5	0	0	1·1	−1·1	0	0·86	− 0·86	0	0·86	− 0·86	0	Malegaon.
1	2	1	0	0	0	5	3	19	N 57° W	N 34° W	7·2	10·9	−3·7	76	+ 8	48	− 5	·557	−·072?	0·5	−1·1	1	1·4	−0·4	4·79	0·69	+ 4·10	4·79	0·69	+ 4·10	4·72	Ahmadnagar.
1	0	0	0	1	0	2	17	10	N 78° W	N 80° W	9·7	11·2	−1·5	82	− 1	65	+11?	·667	+·119?	1·4	−0·9	0	1·5	−1·5	0	1·18	− 1·18	0	1·18	− 1·18	0	Poona.
0	0	0	0	0	0	1	5	25	N 54° W	N 55° W	11·6	8·2	+3·4	96	+20	54	+ 9	619	+·086	3·0	+0·1	1	2·1	−1·1	0·32	0·94	− 0·62	0·32	0·94	− 0·62	0·32	Sholapur.
0	0	0	0	0	0	5	17	9	N 81° W	N 81° W	8·6	6·1	+2·5	89	+12	60	− 1	·629	−·031	2·5	−0·2	4	2·5	+1·5	1·84	1·09	+ 0·75	1·84	1·09	+ 0·75	1·12	Bijapur.
10	0	0	0	0	0	7	13	1	S 77° W	N 67° W	7·7*	12·8	−5·1	62	+ 8	77	+ 8	·681	+·064	5·4	+1·7	5	4·5	+0·5	1·69	2·45	− 0·76	1·69	2·45	− 0·76	0·60	Belgaum.
																																XI.—Central India.
2	0	1	1	1	0	11	15	0	S 69° W	S 84° W	9·9	8·8	+1·1	69	0	49	0	·590	−·030	1·4	+0·5	1	0·8	+0·2	0·17	0·38	− 0·21	0·17	0·38	− 0·21	0·17	Neemuch.
0	4	0	0	0	0	1	17	9	N 68° W	N 71° W	8·9	4·6	+4·3	86	+11	54	+ 3	·633	+·004	1·8	+0·4	0	1·1	−1·1	0·01	0·47	− 0·46	0·01	0·47	− 0·46	0·01	Indore.
2	1	0	2	1	5	2	16	2	S 74° W	N 82° W	3·7	2·7	+1·0	53	− 1	33	− 2	·512	+·020	2·5	0	2	0·7	+1·3	1·23	0·29	+ 0·94	1·23	0·29	+0·94	0·91	Nowgong.
6	0	1	1	0	2	4	14	3	S 83° W	N 73° W	2·4	5·9	−3·5	56	+12	33	+ 3	·504	+·039	2·1	+0·1	0	1·2	−1·2	0·13	0·37	− 0·24	0·13	0·37	− 0·24	0·05	Sutna.
																																XII.—Central Provinces.
0	0	0	0	0	0	1	16	13	N 72° W		9·7	8·9	+0·8	90		50		·532		2·4		0	1·1	−1·1	0·01	0·52	− 0·51	0·01	0·52	− 0·51	0·01	Buldana.
0	0	0	0	0	0	1	9	21	N 60° W	N 68° W	9·4	7·0	+2·4	89	+ 3	44	+ 5	·574	+·042	3·5	+1·7	1	0·8	+0·2	0·24	0·37	− 0·13	0·24	0·37	− 0·13	0·24	Akola.
0	1	1	1	0	1	1	11	15	N 63° W	N 77° W	7·7	5·0	+2·7	76	+ 8	41	+ 1	·561	−·003	1·3	−0·5	0	1·4	−1·4	0·14	0·54	− 0·40	0·14	0·54	− 0·40	0·06	Amraoti.
6	0	0	0	0	0	0	18	7	N 77° W	N 70° W	10·2	7·5	+2·7	76	−10	51	+ 9	·621	+·078	2·2	+1·0	0	0·8	−0·8	0·03	0·33	− 0·30	0·03	0·33	− 0·30	0·03	Khandwa.
0	0	1	0	2	0	8	16	4	S 81° W	S 66° W	3·8	3·0	+0·8	72	+10	42	+ 3	·602	+·060	1·0	−0·2	2	1·1	+0·9	0·63	0·53	+ 0·10	0·63	0·53	+ 0·10	0·45	Hoshangabad.
0	1	0	0	1	1	1	21	3	N 88° W	S 86° W	7·2	3·9	+3·3	86	+36	54	+ 1	·464	+·007	1·2	−0·2	1	0·9	+0·1	0·40	0·46	− 0·06	0·40	0·46	− 0·06	0·29	Saugor.
0	0	0	0	6	2	9	9	5	S 58° W	S 78° W	3·7	3·1	+0·6	56	+ 2	38	+ 6	·541	+·095	0·9	−0·4	0	1·2	−1·2	0·01	0·49	− 0·48	0·01	0·49	− 0·48	0·01	Jubbulpore.
0	6	1	0	0	3	4	7	11	N 63° W	N 39° W	5·2	3·4	+1·8	59	+21	33	0	·460	+·010	1·7	−0·2	0	1·9	−1·9	0·26	0·69	− 0·43	0·26	0·69	− 0·43	0·09	Seoni
0	6	1	0	2	2	3	5	12	N 51° W	N 48° W	6·0	5·8	+0·2	56	+ 9	34	+ 2	·506	+·024	3·0	+0·7	1	1·8	−0·8	0·28	0·75	− 0·47	0·28	0·75	− 0·47	0·10	Nagpur.
0	4	0	0	3	7	5	2	10	S 81° W		6·6			33		33	+ 2	·439	+·030	2·2	+0·3	2	1·3	+0·7	0·59	0·91	− 0·32	0·59	0·91	− 0·32	0·41	Pendra.

* Mean of 6 days. † Mean of 18 days. ‡ Mean of 10 days.

Table

(2) Abstract of observations taken at 8 hrs. at 214

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 constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	XII.—Central Provinces *—concld.*																						
	Raipur	970	28·696	−·056	29·585	28·830	1st	28·583	10th	·247	91·2	108·3	+1·1	84·4	+2·6	96·3	+1·9	23·9	114·7	31st	75·6	6th	39·1
	Chanda	*634*	28·074	−·048	29·637	29·174	1st	28·964	9th	·210	91·8	109·9	+0·2	84·5	+2·4	97·2	+1·3	25·4	116·5	29th	75·0	4th & 22nd.	37·5
	Jagdalpur	1,813	27·931		29·628	28·065	1st	27·809	11th	·256	85·7	101·2		76·9		89·1		24·3	108·2	29th	66·1	6th	42·1
	XIII.—Hyderabad.																						
27	Aurangabad	1,905	27·909	−·034	29·710	27·982	26th	27·779	9th	·203	82·7	103·6	−0·6	75·0	−0·2?	89·3	−0·4?	28·6	109·3	4th	71·2	16th	38·1
	Nizamabad	1,248	28·517	−·048	29·676	28·592	1st	28·375	9th	·217	88·9	107·3	+1·1	81·9	+0·7	94·6	+0·9	25·4	114·0	29th	73·7	1st	40·3
	Bidar	*2,165*									85·8	101·7	+1·4	77·0	−0·3	89·3	+0·5	24·7	107·6	29th	70·6	18th	37·6
28	Gulbarga	1,503	28·286	−·035	29·698	28·355	20th	28·170	9th	·185	84·1	105·3	+0·6	77·8	−0·7	91·6	−0·1	27·5	111·0	26th	70·8	18th	40·2
	Raichur	*1,311*	28·595	+·002	29·731	28·595	20th	28·363	9th	·232	85·6	104·3	+0·8	79·3	−0·1	91·8	+0·3	25·0	109·0	29th	73·4	27th	35·6
	Hyderabad (Deccan)	1,738	28·051	−·020	29·683	28·138	26th	27·920	9th	·218	84·2	102·8	−0·7	79·8	−0·6	91·3	−0·7	23·0	109·2	30th	70·2	5th	39·0
	Hanamkonda	877	28·870	−·023	29·670	28·981	26th	28·748	9th	·233	88·8	105·1	+0·1	83·2	+0·8	94·2	+0·5	21·9	112·8	30th	71·9	4th	40·9
	XIV.—Mysore.																						
29	Chitaldrug	2,405	27·476	−·007	29·766	27·536	20th	27·385	9th	·151	76·5	94·5	+0·2	71·1	−0·4	82·8	−0·1	23·4	97·6	2nd	65·6	16th	32·0
	Hassan	3,149	26·792	0	29·774	26·850	20th	26·711	9th	·139	74·6	90·1	+1·4	67·6	+0·7	78·8	+1·1	22·5	94·9	10th	61·0	22nd	30·9
	Bangalore	3,021	26·901	−·012	29·758	26·971	20th	26·808	9th	·163	75·9	93·0	+1·4	69·6	+0·4	81·3	+0·9	23·4	97·6	28th	64·7	31st	32·9
	Mysore	2,518	27·388	−·014	29·782	27·463	20th	27·307	9th	·156	76·3	92·4	+0·7	69·5	−0·2	81·0	+0·3	22·9	96·3	25th & 29th.	61·9	1st	34·4
	XV.—Madras.																						
30	Mangalore	72	29·811	−·015	29·814	29·879	20th	29·730	9th	·149	85·4	92·3	+0·5	80·6	+2·0	86·5	+1·3	11·7	94·5	15th	73·1	26th	21·4
	Calicut	27	29·849	−·009	29·805	29·925	19th	29·775	11th	·150	83·5	90·0	−0·2	79·8	+1·7	84·9	+0·7	10·2	92·8	2nd	75·7	17th	17·1
	Cochin	9	29·879	−·006	29·816	29·937	20th	29·804	8th	·133	83·6	89·6	−0·1	78·3	+0·8	83·9	+0·3	11·3	92·7	4th	72·7	14th & 26th.	20·0
	Trivandrum	198	29·679	−·010	29·806	29·772	27th	29·582	7th	·190	82·4	88·2	+1·8	78·3	+0·2	83·3	+1·0	9·9	91·4	12th	76·0	17th & 27th.	15·4
31	Pamban	37	29·781	−·025	29·745	29·858	2nd	29·671	8th	·187	85·7	89·0	−2·4?	82·3	+1·1	85·7	−0·7?	6·7	90·7	16th	80·5	1st	10·2
	Madura	447	29·366	−·026	29·737	29·447	26th	29·249	7th	·198	87·5	101·7	+1·7	80·3	+2·7?	91·0	+2·2?	21·4	105·3	20th	73·4	26th	31·9
	Pudukkottai	318	29·503	−·022	29·747	29·585	26th	29·393	9th	·192	87·4	101·6	+0·3	79·8	+0·6	90·7	+0·5	21·8	105·0	30th	72·6	14th	32·4
	Negapatam	31	29·772	−·025	29·732	29·867	26th	29·654	8th	·213	86·9	100·6	+3·0	81·8	+1·6	91·2	+2·3	18·8	107·1	14th	79·3	17th	27·8
	Trichinopoly	255	29·560	−·021	29·745	29·649	26th	29·444	9th	·205	87·3	102·3	+0·6	80·2	+1·5	91·3	+1·1	22·1	107·2	31st	70·4	7th	36·8
	Coimbatore	1,341	28·523	+·006	29·782	28·623	26th	28·437	8th	·186	81·1	95·6	+0·8	73·9	+0·4	84·8	+0·6	21·7	99·5	25th	68·8	15th	30·7
	Salem	913	28·925	−·004	29·760	29·006	20th & 26th.	28·805	8th	·201	83·7	101·1	+1·6	77·6	+1·4	89·4	+1·5	23·5	104·6	13th	73·6	16th	31·0
	Cuddalore	37	29·758	−·021	29·785	29·867	26th	29·618	8th	·249	87·8	100·1	+1·4	81·5	+1·4	90·8	+1·4	18·6	105·5	14th	78·0	5th	27·5
	Vellore	707	29·093	−·027	29·724	29·180	20th	28·960	8th	·220	86·8	102·1	+2·3	79·8	+1·3	91·0	+1·8	22·3	107·1	13th	73·0	5th	34·1
	Madras	22	29·757	−·028	29·710	29·869	26th	29·613	8th	·256	88·0	101·4	+2·9	82·9	+1·7	92·1	+2·3	18·5	107·5	13th	77·6	5th	29·9
32	Cuddapah	428	29·371	−·017	29·727	29·451	20th	29·247	8th	·204	83·3	106·2	−0·1	81·0	+0·6	95·1	+0·2	22·2	109·4	30th	76·1	30th	33·3

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

B.—*continued.*

stations in India, etc., in May, 1915—*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 May, 1915.	Normal rainfall for period, 1st to 31st May.	Departure from normal of period, 1st to 31st May, 1915.	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.—Central Provinces—*concld.*
1	2	0	1	1	6	8	8	4	S 63° W	S 76° W	5·9	5·8	+0·1	53	+10	40	+ 5	·552	+·047	0·9	−1·9	3	2·1	+0·9	0·82	0·92	−0·10	0·82	0·92	−0·10	0·46	Raipur.
0	0	0	0	8	0	6	14	3	S 82° W	S 84° W	5·5	3·5	+2·0	56	+33	42	+ 5	·617	+·062	2·9	+0·7	0	1·6	−1·6	0·02	0·65	−0·63	0·02	0·65	−0·63	0·02	Chanda.
11	0	0	0	0	4	11	5	0	S 48° W		2·1			59		55		·662		3·0		6			3·47			3·47			1·00	Jagdalpur.
																																XIII.—Hyderabad.
0	0	1	0	0	0	5	16	9	N 82° W		13·6			82		55	+14?	·605	+·115?	2·0	+0·7	1	1·4	−0·4	1·02	0·65	+0·37	1·02	0·65	+0·37	0·95	Aurangabad.
0	6	0	0	1	0	9	9	6	N 80° W		4·9			62		41	− 8	·548	−·139?	3·1	+0·6	1	0·9	+0·1	0·10	0·31	−0·21	0·10	0·31	−0·21	0·10	Nizamabad.
0	2	1	1	0	0	4	4	19	N 56° W		9·2			74		45	− 9	·553	−·098	3·8	+2·0	0	2·1	−2·1	0·18	0·80	−0·62	0·18	0·80	−0·62	0·08	Bidar.
0	1	0	0	0	1	3	21	5	N 87° W	N 44° W	10·3	9·1	+1·2	89	+28	50	− 6	·583	−·091	1·5	−1·2	3	2·2	+0·8	0·69	1·01	−0·32	0·69	1·01	−0·32	0·31	Gulbarga.
0	2	2	0	0	0	3	11	13	N 64° W	N 83° W	10·6	8·4	+2·2	76	+ 7	55	+ 2	·670	+·027	2·7	−0·2	1	1·2	−0·2	0·46	0·64	−0·18	0·46	0·64	−0·18	0·38	Raichur.
1	1	2	0	0	0	6	11	10	N 76° W	S 82° W	8·6	4·7	+3·9	69	+ 9	62	+14?	·719	+·125?	3·7	+0·4	3	1·7	+1·3	0·65	0·79	−0·14	0·65	0·79	−0·14	0·20	Hyderabad (Deccan).
0	1	0	3	7	3	2	8	7	S 62° W		6·4			23		49	+ 1	·640	+·014	3·7	+0·4	2	1·5	+0·5	1·53	0·52	+1·01	1·53	0·52	+1·01	0·93	Hanamkonda.
																																XIV.—Mysore.
1	0	0	0	0	0	14	15	1	S 70° W	S 81° W	7·5	6·6	+0·9	83	+ 3	73	+ 2	·682	−·006	5·4	+0·5	3	4·5	−1·5	3·00	3·05	−0·05	3·00	3·05	−0·05	1·96	Chitaldrug.
1	1	0	0	0	0	4	16	9	N 79° W	N 80° W	8·5	2·9	+5·6	81	+ 3	76	+ 1	·646	−·001	3·7	−1·7	4	7·3	−3·3	1·31	5·24	−3·93	1·31	5·24	−3·93	0·56	Hassan.
0	0	0	0	0	0	7	17	7	W	S 75° W	7·1	4·6	+2·5	86	+ 3	73	− 2	·643	−·021	3·6	−0·7	8	6·8	+1·2	4·64	4·34	+0·30	4·64	4·34	+0·30	1·20	Bangalore.
0	0	0	0	0	0	15	16	0	S 68° W	S 74° W	7·5	7·4	+0·1	93	+20	77	+ 1	·691	+·007	3·8	−2·1	8	7·8	+0·2	7·87	5·06	+2·81	7·87	5·06	+2·81	1·87	Mysore.
																																XV.—Madras.
0	5	5	7	2	0	1	3	8	N 12° E	N 18° E	5·8	2·8	+3·0	40	+15	73	0	·878	+·019	5·0	−1·2	4	6·4	−2·4	2·63	6·26	−3·63	2·63	6·26	−3·63	1·44	Mangalore.
4	1	1	2	1	0	0	4	18	N 44° W	N 15° W	7·5	8·2	−0·7	62	+22	82	+ 3	·943	+·056?	4·4	−1·1	5	8·3	−3·3	6·28	7·79	−1·51	6·28	7·79	−1·51	2·30	Calicut.
3	1	9	13	1	0	0	0	4	N 61° E	N 29° E	6·5	4·5	+2·0	62	+15	81	0	·929	+·033	5·2	−0·6	13	12·1	−0·9	14·59	11·39	+3·20	14·59	11·39	+3·20	6·01	Cochin.
0	19	0	0	0	0	1	0	11	N 18° W	N 16° W	6·5	5·2	+1·3	92	+24	79	− 2	·870	+·001	7·6	+1·5	7	10·1	−3·1	8·52	8·67	−0·15	8·52	8·67	−0·15	6·22	Trivandrum.
2	0	0	0	2	3	21	3	0	S 41° W	S 22° W	8·3	8·5	−0·2	79	+ 6	79	0	·953	−·012	2·8	−0·3	1	1·5	−0·5	2·14	0·80	+1·34	2·14	0·80	+1·34	2·14	Pamban.
1	4	2	1	0	0	0	9	14	N 47° W	N 38° W	4·5	4·5	0	72	+15	60	− 7	·779	−·038	5·0	+1·3	7	4·7	+2·3	2·32	2·87	−0·55	2·32	2·87	−0·55	0·58	Madura.
4	1	1	0	0	1	1	4	13	N 53° W		5·2			68		66	− 3	·859	+·020	3·4	−1·3	2	3·4	−1·4	2·85	2·26	+0·59	2·85	2·26	+0·59	1·48	Pudukkottai.
0	1	0	0	0	2	10	15	3	S 76° W	S 46° W	7·3	5·8	+1·5	82	+10	72	+ 4	·922	+·044	4·1	0	3	2·0	+1·0	0·89	1·81	−0·92	0·89	1·81	−0·92	0·54	Negapatam.
0	1	1	0	0	0	7	21	1	S 85° W	S 76° W	5·8	4·5	+1·3	86	+11	61	− 5	·792	−·011	2·9	−1·2	2	4·3	−2·3	3·12	3·24	−0·12	3·12	3·24	−0·12	2·30	Trichinopoly.
7	0	0	0	2	7	15	0	0	S 25° W	S 22° W	4·9	3·3	+1·6	69	+ 1	72	− 9	·767	−·061	2·7	−1·6	4	4·9	−0·9	2·44	2·47	−0·03	2·44	2·47	−0·03	1·14	Coimbatore.
3	1	0	0	0	5	10	7	5	S 67° W	S 48° W	5·2	3·0	+2·2	59	+ 9	69	− 4	·738	−·056	2·4	−1·6	9	7·7	+1·3	3·82	4·90	−1·08	3·82	4·90	−1·08	1·15	Salem.
1	1	0	0	2	8	14	4	1	S 37° W	S 47° W	6·1	2·1	+4·0	69	+ 1	65	− 6	·850	−·062	2·8	−0·5	3	1·1	+1·9	1·22	0·74	+0·48	1·22	0·74	+0·48	0·82	Cuddalore.
4	1	0	0	0	0	0	0	26	N 47° W		3·5			86		61	− 4	·780	−·015	2·2	−0·8	2	4·2	−2·2	1·39	2·76	−1·37	1·39	2·76	−1·37	0·88	Vellore.
0	0	0	0	0	9	7	13	2	S 57° W	S 41° W	5·8	6·6	−0·8	76	+ 4	64	− 1	·870	−·001	3·4	−0·6	1	1·1	−0·1	0·36	1·08	−0·72	0·36	1·08	−0·72	0·32	Madras.
0	3	0	0	0	3	0	13	12	N 69° W	N 89° W				72	+11	52	− 2	·708	−·051	3·3	−0·5	2	2·8	−0·8	1·04	1·58	−0·54	1·04	1·58	−0·54	0·77	Cuddapah.

Table

(2) Abstract of observations taken at 8 hrs. at 214

Number of sub-division.	Station.	Elevation of barometer above sea-level, in feet.	Pressure, 8 hrs., in inches. Mean of 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
	XV.—Madras— *concld.*																						
	Bellary	1,475	28·350	−·017	29·732	28·430	20th	28·222	9th	·208	84·9	10[illegible]·3	−0·2	77·7	+0·1	90·0	−0·1	24·6	106·5	28th	68·7	5th	37·8
	Kurnool	923	28·892	+·002	29·739	28·978	20th	28·752	9th	·226	86·0	103·7	−1·4	82·2	+1·2	93·0	−0·1	21·5	108·5	29th & 30th.	73·6	17th	34·9
33	Nellore	66	29·684	−·034	29·653	29·802	26th	29·548	8th	·254	90·1	104·4	−0·8	83·2	+1·6	93·8	+0·4	21·2	110·6	31st	76·6	5th	34·0
	Masulipatam	15	29·728	−·041	29·678	29·870	1st	29·591	12th	·279	89·2	100·5	+0·5	82·2	+0·5	91·4	+0·5	18·3	113·3	24th	75·0	10th	38·3
	Cocanada	26	29·713	−·044	29·675	29·856	1st	29·564	11th	·292	87·8	100·9	+1·0	83·1	+0·8	92·0	+0·9	17·8	110·7	23rd	73·2	1st	32·5
	Waltair (Vizagapatam)	296	29·498	−·042	29·662	29·651	1st	29·347	10th	·304	85·[illegible]	93·5	+1·6	81·4	+0·5	87·4	+1·1	12·1	103·6	18th	71·3	8th	32·3
	Calingapatam	19	29·696		29·653	29·849	1st	29·538	11th	·311	87·3	96·0		81·2		88·6		14·8	111·4	17th	74·3	6th	37·1
	Gopalpur	52	29·633	−·049	29·621	29·813		29·497	11th	·316	86·0	92·1	+2·1?	82·2	+2·1	87·2	+2·1?	9·9	110·0	18th	77·1	7th	32·9
	Bay Islands.																						
1	P. V. Fraser	8	29·685		29·627	29·875	1st	29·520	17th	·355	85·0												
	Port Blair	58	29·778	−·025	29·765	29·889	26th	29·634	10th	·255	84·0	89·6	+0·9	79·4	+0·9	84·5	+0·9	10·2	93·0	29th	73·3	20th	19·7
	Table Island	90	29·727	−·028	29·751	29·850	26th	29·564	10th	·286	83·6	87·5	−1·6	80·1	+0·5	83·8	−0·5	7·4	91·9	4th	67·9	7th	24·0
	Kashmir.																						
13	Muzaffarabad *		27·298			27·483	23th	27·123	17th	·360	78·6			68·9							61·1	6th	
	Srinagar	5,204	24·807	−·046	24·778	24·965	1st	24·651	17th	·314	66·3	82·6	+6·9	55·1	+3·3	68·8	+5·1	27·5	87·5	13th	51·3	2nd	36·2
	Dras	10,054	20·848	+·026	20·816	21·021	1st	20·702	17th	·319	47·7	65·5	+5·1	37·8	+4·7	51·7	+4·9	27·7	70·6	14th	28·0	1st	42·6
	Leh	11,503	19·762	+·014	19·730	19·916	2nd	19·650	18th	·266	53·2	69·6	+6·0	41·2	+4·5	55·4	+5·3	28·4	76·4	14th	36·8	20th	39·6
	Skardu	7,505	22·856	−·009	22·826	23·066	25th	22·673	17th	·393	63·8	80·9	+9·6	50·5†	+1·2†	65·2†	+5·4	30·4	89·2	8th	38·7	23rd	50·5
	Gilgit	4,890	25·098	−·004	24·072	25·349	25th	24·870	17th	·479	75·4	92·3	+9·0	63·2	+2·9	77·7	+5·9	29·1	97·2	10th, 11th & 12th.	56·7	25th	40·5
	Baluchistan.																						
15	Fort Sandeman	4,614	25·306		25·275	25·450	26th	25·136	17th	·314	78·7	100·3		69·6		84·9		30·7	103·7	13th	64·9	19th	38·8
	Quetta	5,502	24·561	−·041	24·521	24·701	2nd	24·446	18th	·258	65·5	90·9	+7·5	55·1	+3·2	73·0	+5·3	35·8	93·7	12th	46·7	13th	47·0
	Chaman	4,311	25·571	−·069	25·533	25·718	1st	25·464	17th	·254	81·5	97·3	+6·4	70·2	+6·2	83·7	+6·3	27·1	100·7	22nd	64·0	14th	36·7
	Kalat	6,630	23·713		23·675	23·849	2nd	23·609	17th	·240	62·1	88·0	+4·4	51·0	+3·4	69·5	+6·4	37·0	91·8	13th	43·4	16th	48·4
	Dalbandin	2,772	26·984		26·947	27·124	2nd	26·875	22nd	·249	80·9	105·7		69·5		87·6		36·2	109·8	12th	62·2	16th	47·6
	Pasni		29·682		29·642	29·915	25th	29·565	10, 11th & 18th.	·350	81·6	91·6‡		75·2		83·5‡		16·4	109·8	5th	70·0	23rd	39·8
	Panjgur		26·615		26·573	26·739	2nd	26·506	12th	·233	76·0	101·9		71·5		86·7		30·4	107·4	11th	65·2	16th	42·2
	Robat		26·773		26·731	26·929	2nd	26·635	11th	·294	82·8	103·1		75·6		89·3		27·5	108·0	28th	70·0	14th	38·0
	Hill stations, excluding Kashmir and Baluchistan.																						
	Para Chinar	6,000	24·366	−·009	24·342	24·517	25th	24·224	17th	·293	75·3	88·6	+9·6	60·1	+4·4	74·3	+7·0	28·5	92·6	19th	56·1	18th	36·5
	Cherat	4,956	25·571	−·036	25·539	25·725	25th	25·411	17th	·314	89·6	93·7	+6·6	73·4	+6·3	83·5	+6·5	20·3	99·0	13th	62·8	24th	36·2
	Drosh §		25·000			25·150	1st, 24th & 25th.	24·850	17th & 21st,	·300	71·7	91·0	+9·3	67·0	+8·4	78·0	+8·9	24·0	95·7	13th	55·2	24th	40·5
	Murree	6,333	23·785	−·016	23·753	23·907	25th	23·640	17th	·267	72·1	83·1	+7·0	66·6	+7·7	74·9	+7·3	16·5	89·7	28th	51·7	21st	38·0

NOTE.—Elevations in italics indicate barometrical determinations.

* Mean of 27 days.
† " " 30 "
‡ " " 29 "
§ Aneroid corrected.

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

B—*continued.*

Stations in India, etc., in May, 1915—*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 May, 1915. (53)	Normal rainfall for period, 1st to 31st May. (54)	Departure from normal of period, 1st to 31st May, 1915. (55)	Heaviest rainfall during month. (56)	Station. (57)
																																XV.—Madras—*concld.*
0	2	1	1	0	0	1	18	8	N 71° W	N 74° W	8·0	6·2	+1·8	79	+14	60	+ 7	·714	+·092	3·7	−0·6	4	3·3	+0·7	1·64	2·04	−0·40	1·64	2·04	−0·40	0·68	Bellary.
0	2	1	0	0	0	3	9	16	N 61° W	N 84° W	8·2			79	+43	60	+ 4	·745	+·033	4·2	+0·8	2	2·2	−0·2	0·86	0·95	−0·09	0·86	0·95	−0·09	0·73	Kurnool.
2	0	0	0	0	8	2	9	10	S 82° W	S 69° W	5·9	6·4	−0·5	56	+24	55	− 8	·779	−·033	3·4	−1·4	0	1·0	−1·0	0·08	0·69	−0·61	0·08	0·69	−0·61	0·04	Nellore.
1	2	2	1	3	5	3	4	10	N 82° W	S 38° W	7·9	6·5	+1·4	30	−11	68	−10?	·910	−·155?	5·1	+0·2	3	1·8	+1·2	0·72	1·14	−0·42	0·72	1·14	−0·42	0·35	Masulipatam.
6	2	0	1	0	2	10	7	3	S 72° W	S 56° W	5·9	5·9	0	53	− 1	74	+ 1	·964	+·006	6·1	+1·4	0	2·4	−2·4	0·03	1·16	−1·13	0·03	1·16	−1·13	0·02	Cocanada.
1	1	0	0	0	6	16	5	2	S 50° W	S 72° W	6·8			75	− 7	73	+ 2	·831	−·002	5·8	0	6	3·0	+3·0	3·59	2·31	+1·28	3·59	2·31	+1·28	1·16	Waltair (Vizagapatam).
1	1	0	0	0	6	13	7	3	S 56° W		9·0			69		72		923		4·9		3	3·3	−0·3	1·64	2·03	−0·39	1·64	2·03	−0·39	0·88	Calingapatam.
1	2	0	2	3	12	11	0	0	S 11° W	S 30° W	11·5	12·8	−1·3	69	+ 1	80	− 2	·994	+·026	4·9	+3·0?	3	3·1	−0·1	1·25	1·94	−0·69	1·25	1·94	−0·69	0·79	Gopalpur.
																																Bay Islands.
0	1	0	0	0	8	21	1	0	S 38° W					87		83		1·019		5·8		2			1·83			1·33			0·94	P. V. Fraser.
5	0	0	0	2	6	6	6	6	S 69° W	S 73° W	6·1	5·4	+0·7	48	−15	82	−	·951	−·002	7·1	0	12	16·4	−4·4	6·69	16·90	−10·21	6·69	16·90	−10·21	0·94	Port Blair.
0	0	0	1	3	8	10	7	2	S 38° W		11·8			66		84	+ 4	·971	+·039	7·1	−0·4	11	11·3	−0·3	11·66	9·25	+2·41	11·66	9·25	+2·41	3·25	Table Island.
																																Kashmir.
27	0	0	0	0	0	0	0	0	Calm		0·6*			(a)		46		·451		0		1			0·93			0·93			0·90	Muzaffarabad.
9	1	0	7	6	4	2	0	2	S 49° E	S 49° E	2·5	3·1	−0·6	35	− 3	68	−15	·438	+·002	1·6	−1·9	1	5·7	−4·7	0·21	2·63	−2·42	0·21	2·63	−2·42	0·12	Srinagar.
27	0	0	1	0	0	0	2	1	N 66° W		3·8			7		60	−13	·196	−·024	2·0	−1·8	4	5·9	−1·9	0·83	3·09	−2·26	0·83	3·09	−2·26	0·31	Dras.
11	0	0	2	5	9	2	2	0	S 9° E	S 44° W	4·8	2·3	+2·5	46	+ 1	34	− 7	·136	+·005	2·8	−1·8	0	0·7	−0·7	0·03	0·21	−0·18	0·03	0·21	−0·18	0·03	Leh.
20	0	1	2	0	0	7	1	0	S 37° W		5·0			17		84	+ 9	·380	+·120	1·5	−3·0	4	2·7	+1·3	0·64	1·27	−0·63	0·64	1·27	−0·63	0·16	Skardu.
28	0	2	0	0	0	1	0	0	N 45° E		1·2			3		49	+ 2	·429	+·115	1·2	−3·2	0	2·7	−2·7	0	0·94	−0·94	0	0·94	−0·94	0	Gilgit.
																																Baluchistan.
29	0	2	0	0	0	0	0	0	N 45° E		1·8			3		24		·232		0·1		0			0·05			0·05			0·05	Fort Sandeman.
27	0	1	1	1	1	0	0	0	S 61° E	N 80° W	1·6	2·4	−0·8	7	+ 3	59	+15	·369	+·045	0·4	−0·6	0	1·0	−1·0	0	0·38	−0·38	0	0·38	−0·38	0	Quetta.
7	0	0	9	8	4	2	1	0	S 48° E	S 32° W	4·6	5·5	−0·9	53	+ 7	23	−12	·246	−·081	0·1	−0·7	0	0·4	−0·4	0	0·11	−0·11	0	0·11	−0·11	0	Chaman.
31	0	0	0	0	0	0	0	0	Calm	S 34° W	4·5			(a)		51	+ 7	·246	−·003	0		0	0·8	−0·8	0·06	0·25	−0·19	0·06	0·25	−0·19	0·06	Kalat.
9	0	4	3	4	3	4	3	1	S 23° E		5·2			20		20		·206		0·5		0			0			0			0	Dalbandin.
3	0	1	2	1	0	2	17	5	N 84° W		8·8			62		84		·898		2·1		0			0			0			0	Pasni.
21	1	6	1	0	0	0	0	1	N 38° E†		4·3			27		54		·479		0·2		0			0			0			0	Panjgur.
20	0	1	0	1	0	2	6	1	S 84° W		3·1			23		23		·291		0		1			0·13			0·13			0·13	Robat.
																																Hill stations, excluding Kashmir and Baluchistan.
31	0	0	0	0	0	0	0	0	Calm		1·4			(a)		38	− 8	·330	+·020	0·4	−2·0	3	7·8	−4·8	1·53	2·76	−1·23	1·53	2·76	−1·23	0·77	Para Chinar.
1	18	1	0	1	4	1	1	4	N 11° W	N 6° W	6·7	8·8	−2·1	53	+ 6	28	− 9	·290	−·007	0·5	−1·4	1	2·8	−1·8	0·33	1·74	−1·41	0·33	1·74	−1·41	0·23	Cherat.
22	0	2	7	0	0	0	0	0	N 81° E		3·9			27		37	−23	·275	−·091	1·1	−1·2	1	4·6	−3·6	0·19	2·38	−2·19	0·19	2·38	−2·19	0·15	Drosh.
13	9	1	1	5	0	0	0	2	N 27° E	N 7° E	3·8	5·8	−2·0	30	+15	38	− 3	·289	+·020	2·0	−0·5	2	5·2	−3·2	0·69	2·95	−2·26	0·69	2·95	−2·26	0·39	Murree.

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

* Mean of 24 days.
† 1 Wind less.

(a) Indeterminate.

Table

(2) Abstract of observations taken at 8 hrs. at 214

Number of sub-division.	Station.	Elevation of far-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
	Hill stations, excluding Kashmir and Baluchistan —*concld.*																						
	Simla	7,232	23·068	−·005	23·030	23·203	1st	22·941	17th	·262	67·2	75·7	+2·7	62·5	+4·2	69·1	+3·5	13·2	80·7	29th	51·4	20th	29·3
	Sanain		23·095	−·030	23·057	23·243	1st	22·957	17th	·286	64·1	76·4	+4·3	53·8	+4·4	65·1	+4·3	22·6	81·0	28th & 8th.	48·6	1st	32·4
	Kalabagh*		20·142		20·104	20·182	25th	20·112	22nd	·070	50·4	59·1		44·9		52·0		14·2	60·9	29th	37·2	23rd	23·7
	Chakrata	7,022																					
	Mukteswar	7,592									63·1	73·4	−1·6	58·4	+3·0	65·9	+0·7	15·0	81·0	2.th	48·6	26th	32·4
	Darjiling	7,402	22·898		22·853	23·030	3rd	22·730	17th	·300	58·5	67·8	+3·8	54·8	+2·7	61·3	+3·3	13·0	74·8	2nd	50·8	6th	24·0
	Shillong	4,820	25·032	−·048	24·984	25·180	1st	24·855	17th	·321	66·1	72·5	−1·9	59·6	+0·8	66·1	−0·5	12·9	75·9	3rd	51·2	1st	24·7
	Cherrapunji	4,309	25·594	−·046	25·545	25·734	1st	25·428	17th	·306	65·3	71·0	−1·3	61·3	+1·3	66·1	0	9·7	76·1	4th	55·1	21st	21·0
	Maymyo	3,546	26·274	−·006	26·318	26·495	1st	26·237	17th	·258	70·1	78·2	−4·5	64·6	+0·4	71·4	−2·1	13·6	84·0	4th	58·6	5th	25·4
	Pachmarhi	3,528	26·344	−·044	26·291	26·471	2th	26·217	10th	·257	82·3	97·1	+1·6	75·8	+0·5	86·4	+1·1	21·3	103·5	28th	70·1	11th	33·4
	Mount Abu	3,945	25·860	−·030	25·816	26·059	25th	25·853	9th	·246	79·9	89·3	+1·1	71·6	+0·4	80·5	+0·7	17·7	96·2	3rd	64·4	18th	31·8
	Mercara	3,781	26·143	−·017	26·025	26·253	20th	26·115	8th	·138	70·3	80·1	−0·3	63·9	−0·6	72·0	−0·5	16·2	83·0	6th & 25th.	60·3	3rd	22·7
	Ootacamund	7,327	23·064	+·014	23·000	23·112	20th	22·998	8th & 10th.	·114	63·8	71·6	+1·7	52·5	−0·3	62·0	+0·7	19·1	75·7	14th	46·0	22nd	29·7
	Kodaikanal	7,088	22·837	+·001	22·772	22·883	20th	22·755	8th	·128	63·0	72·1	+3·1	55·6	+0·7	63·8	+1·9	18·5	77·2	25th & 30th.	52·8	22nd	24·4
	Extra India.																						
	Singapore (a)	10	29·832	−·093	29·763	29·902	18th	29·764	5th & 6th.	·138	85·3	91·1	+2·4	74·8	−0·3	82·9	+1·1	16·3	94·5	21st	72·5	2nd	22·0
	Penang (a)	17	29·835	−·075	29·776	29·929	27th	29·741	8th	·188	83·6	90·5	−0·2	74·9	+0·2	82·7	0	15·6	94·0	13th	73·0	2nd & 18th.	21·0
	Trincomalee	99	29·711	−·026	29·738	29·812	26th	29·574	9th	·238	81·7	96·5	+3·4	78·7	0	87·6	+1·7	17·8	101·6	26th	72·0	9th	29·6
	Colombo	24	29·851	−·026	29·801	29·941	26th	29·697	7th	·244	81·3	89·1	+1·0	79·3	+1·2	84·2	+1·1	9·8	91·5	1st	73·7	26th	17·8
	Hambantota	64	29·791		29·781	29·885	20th	29·659	7th	·224	80·4	90·8		79·2		84·8		11·6	94·0	15th	75·9	8th	18·1
	Minicoy	7																					
	Amini Divi	*13*																					
	Gyantse	13,120	18·502		18·403	18·610	5th	18·348	17th	·262	55·7	63·7		35·9‡		49·8‡		27·8	75·1	22nd	25·0	2nd	50·1
	Pharijong	14,400									43·1	80·5		24·6		52·7		55·7	101·9	24th	15·0	1st & 2nd	86·9
	Gangtok	5,667	24·399	−·022	24·354	24·586	24th	24·254	18th	·332	64·9	74·0	+1·6	59·2	+8·7	66·6	+5·1	14·8	79·3	3rd	56·2	21st & 22nd.	23·1
	Gartok (c)†	15,100									35·9	57·5		26·3		42·0		31·2	59·6	29th	22·6	31st	37·0
	Kashgar(c)	4,255	25·517			25·730	5th	25·310	18th	·420	71·7	88·1	+7·3	61·8	+3·8	75·0	+5·5	26·3	96·8	28th	54·3	17th, 18th & 22nd.	42·5
	Kabul (c)		24·092	−·148		24·240	1st	23·990	22nd	·250	58·4	93·3	+11·7	48·4	−3·4	70·8	+4·1	44·9	99·4	27th	37·2	19th	62·2
	Meshed	3,104	26·756		29·784	26·876	3rd	26·589	10th	·387	65·1	84·9	+6·6	54·9	−0·6	69·9	+3·0	30·0	95·4	27th	46·4	14th	47·0
	Jask	13	29·676	−·077	29·642	29·870	25th	29·536	12th	·334	83·2	94·3	+2·1	79·4	+1·0	86·9	+1·5	14·9	100·1	31st	74·1	24th	26·0
	Muscat	20	29·706	−·047	29·673	29·835	1st	29·585	10th	·249	93·8	101·4	+7·7	88·1	+2·4	94·8	+5·1	13·3	111·8	20th	82·6	1st	29·2
	Bahrein	18																					
	Bushire	14	29·763	−·028	29·739	29·800	2nd	29·620	31st	·280	80·6	87·3	−1·8	75·9	+0·3	81·6	−0·7	11·4	104·1	19th	70·0	12th	34·1
	Basrah	25																					
	Kerman		24·530			24·645	3rd	24·420	27st	·225	71·5	93·2		69·3		81·2		23·9	101·0	30th	58·8	3rd	42·2
	Ispahan (b)	*5,817*	24·284			24·380	14th & 27th.	24·170	19th	·210	68·7	88·3	−0·8	55·4	+1·2	69·3	+0·2	27·9	92·4	19th	46·7	1st	45·7
	Tehran (b)	*4,002*																					
	Baghdad	127																					
	Beirut (d)																						
	Aden	94	29·747	−·032	29·773	29·826	3rd	29·647	10th	·179	85·0	93·8	+1·0	82·6	+1·3	88·2	+1·1	11·2	98·6	15th	78·9	7th	19·7
	Zanzibar	72	29·999	−·006	29·997	30·115	17th	29·926	1st	·189	75·0	84·0	+1·5	76·8	+1·2	80·4	+1·3	7·2	88·3	6th	73·9	30th	14·4

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.
(d) 8½ hrs. observations.

* Mean of 10 days
† " " 5 "
‡ " " 30 "

3—*concluded.*

tations in India, etc., in May, 1915—*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 to 31st May 1915.	Normal rainfall for period, 1st to 31st, May.	Departure from normal of period, 1st to 31st May, 1915.	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
																															Hill stations, excluding Kashmir and Baluchistan—*concld.*
															47	+ 3	·307	+·053	1·5	−1·0	5	4·8	+0·2	1·62	2·68	−1·06	1·62	2·68	− 1·06	0·90	Simla.
															54	+ 6	·309	+·061	1·8	−0·7	4	4·6	−0·6	1·54	2·04	−0·50	1·54	2·04	− 0·50	0·60	Sarain.
2	8	0	0	0	0	0	0	N		8·3*			32		46		·168		1·2		2			0·42†			0·42†			0·26	Kalabagh.
																															Chakrata.
6	0	0	0	0	1	2	20	2	S 88° W		7·8		76		58	+10	·327	+·055	3·4	+0·9	7	5·4	+1·6	2·03	2·09	−0·06	2·03	2·09	− 0·06	0·41	Mukteswar.
5	0	0	1	0	0	1	3	0	S 75° W	S 59° W	2·0	5·0	−3·0	10	− 1	90	+ 2	·440	+·023	9·5	+2·5	19	13·9	+5·1	9·68	8·74	+0·94	9·68	8·74	+ 0·94	2·12	Darjiling.
0	0	0	1	0	4	5	1	0	S 25° W		3·4			27		89	+ 8	·514	+·013	6·7	+1·4	25	16·1	+8·9	24·44	9·17	+15·27	24·44	9·17	+15·27	4·13	Shillong.
3	1	3	2	2	4	6	5	2	S 45° W		5·7			27		92	+ 6	·587	+·037	9·0	+2·3	26	21·4	+4·6	128·27	32·16	+96·11	128·27	32·16	+96·11	16·64	Cherrapunji.
9	0	0	0	0	2	10	0	0	S 38° W		1·5			37		87	+ 7	·637	−·004	6·0	+1·3	17	12·5	+4·5	22·31	9·31	+13·00	22·31	9·31	+13·00	4·70	Maymyo.
1	1	0	0	0	2	6	8	13	N 79° W	N 81° W	7·1	5·5	+1·6	69	+ 6	46	+11	·481	+·089	1·4	−0·3	2	1·3	+0·7	0·37	0·55	−0·18	0·37	0·55	− 0·18	0·20	Pachmarhi.
0	1	0	0	0	1	23	2	4	S 57° W	S 72° W	8·6	7·9	+0·7	79	+11	35	− 2	·335	−·006	0·5	−0·2	0	1·2	−1·2	0	0·72	−0·72	0	0·72	− 0·72	0	Mount Abu.
2	2	1	2	0	0	2	13	9	N 67° W	N 45° W	4·2	3·9	+0·3	66	+ 1	85	− 1	·627	+·016	5·5	−0·7	7	8·7	−1·7	2·86	5·79	−2·93	2·86	5·79	− 2·93	0·93	Mercara.
6	1	2	4	5	1	0	9	3	W		3·5			7		65	+ 2	·385	+·020	3·3	−1·0	10	11·7	−1·7	3·67	7·84	−4·17	3·67	7·84	− 4·17	0·82	Ootacamund.
0	5	3	1	0	1	0	5	10	N 37° W		8·2			69		60	− 7	·346	−·006	2·4	−1·8	4	11·5	−7·5	1·28	5·86	−4·58	1·28	5·86	− 4·58	0·37	Kodaikanal.
																															Extra India.
7	0	1	1	3	1	6	1	1	S 19° W					20					6·3	+1·4	8	8·9	−0·9	2·81	5·96	−3·12	2·84	5·96	−3·12	0·56	Singapore
0	6	6	6	4	2	0	4	3	N 43° E		7·7			33							12	10·9	+1·1	12·94	8·48	+4·46	12·94	8·48	+ 4·46	3·68	Penang.
0	0	0	0	0	0	18	13	0	S 64° W	S 45° W	8·1	8·8	−0·7	92	− 5	82	+ 1	·888	−·027	6·4	+3·5	4	3·4	+0·6	1·20	2·36	−1·16	1·20	2·36	− 1·16	0·54	Trincomalee.
3	0	3	1	1	0	15	7	1	S 60° W	S 45° W	4·8	6·7	−1·9	53	−25	87	+ 4	·923	−·007	9·5	+3·0	11	12·8	−1·8	10·98	10·70	+0·28	10·98	10·70	+ 0·28	2·59	Colombo.
0	2	0	0	0	0	7	19	3	S 88° W		1·2			86		83		·917		3·1		3			0·56	2·99	−2·43	0·56	2·99	− 2·43	0·20	Hambantota.
									N 69° W			7·4										8·9			5·68			5·68			Minicoy.
																						4·3			3·14			3·14			Amini Divi.
6	0	0	3	7	4	0	1	0	S 38° E		4·2			36		81‡		·249‡		1·4		7		1·88			1·88			0·50	Gyantse.
0	8	0	0	9	6	5	1	2	S 3° E		8·3			22		61		·170		3·9		5		1·24			1·24			0·40	Pharijong.
8	0	0	0	0	1	1	1	0	S 45° W		0·7			10		87	+ 5	·536	+·062	2·5	−1·5	22	20·2	+1·8	24·41	19·45	+4·96	24·41	19·45	+ 4·96	6·57	Gangtok.
4	0	0	0	1	0	0	0	0	S 45° E		6·8			20						1·6		0		0			0			0	Gartok.
4	1	5	0	1	2	1	3	4	N 27° W	N 50° W	2·5	3·3	−0·8	16	+ 3	47	+ 3	·368	+·081	4·3	+1·2	0	1·2	−1·2	0	0·70	−0·70	0	0·70	− 0·70	0	Kashgar.
0	0	0	1	0	1	3	23	2	S 88° W	N 34° W				84	+73	71	+16	·351	+·003	0·3	−0·9	1	2·4	−1·4	0·10	0·95	−0·85	0·10	0·95	− 0·85	0·10	Kabul.
7	1	1	0	1	1	0	0	0	E		2·0‡			6		55	− 5	·384	−0·33	1·9	−0·7	0	3·3	−3·3	0·05	1·39	−1·34	0·05	1·39	− 1·34	0·05	Meshed.
3	0	0	6	1	0	0	4	17	N 59° W	N 60° E	9·0	8·0	+1·0	46	+40	66	− 2	·741	−·069	0	−0·5	0	0	0	0	0	0	0	0	0	0	Jask.
1	1	1	3	1	0	1	0	23	N 37° W	N 36° W	2·2	3·1	−0·9	66	+24	41	−18	·616	−·192	0·1	−0·6	0	0	0	0	0	0	0	0	0	0	Muscat.
																							0·2			0·10			0·10		Bahrein.
6	2	5	0	0	0	0	7	11	N 40° W	N 25° W	7·0	6·9	+0·1	56	+ 1	63	+ 1	·657	−·021	2·9	+0·7	0	0	0	0	0·02	−0·02	0	0·02	− 0·02	0	Bushire.
																							1·2			0·46			0·46		Busrah.
0	0	0	0	1	0	0	0	0	S 45° E		1·3			3		43		·326		0		1			0·33			0·33		0·27	Kerman.
5	0	0	0	0	0	3	3	0	S 68° W	N 58° W	1·6	3·4	−1·8	16	−32	46	−15	·318	−·083	1·3	−0·9	2	0·9	+1·1	0·60	0·25	+0·35	0·60	0·25	+ 0·35	0·45	Ispahan.
										S 46° W		2·6											1·9			0·45			0·45		Tehran.
										N 1° E		2·9											0·7			0·23			0·23		Baghdad.
																															Beirut
3	3	7	6	0	1	0	0	1	N 53° E	S 87° E	7·0	8·2	−1·2	43	+ 4	83	+ 9	·994	+·079	2·6	−0·7	0	0·3	−0·3	0	0·13	−0·13	0	0·13	− 0·13	0	Aden.
0	0	0	0	3	17	10	1	0	S 13° W	S 7° W	6·9	5·9	+1·0	87	0	83	− 3	·625	+·011	7·3	+0·6	11	12·3	+1·7	10·30	11·42	−1·12	10·30	11·42	− 1·12	2·28	Zanzibar.

* Mean of 9 days.
† Rainfall since 22nd May, 1915.
‡ Mean of 30 days.

Table C.—Abstract of observations taken at 8 hrs. at 58 fourth and fifth class stations in India, etc., in May, 1915.

Table

Abstract of observations taken at 8 hrs. at 58 fourth

Number of sub-division.	Station.	Temperature of air.													Wind direction.										
		Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.	Number of winds from: 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.—Assam.																								
4	Balek	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Bishnath *	75·2	84·1	−2·7	72·2	+4·9	78·1	+1·1	11·9	93·3	14th	64·9	22nd	28·4	...	...	...	...	...	...	...	...	...	...	...
	Borjuli	76·4	86·8	−1·1	71·7	+1·8	79·3	+0·3	15·1	93·2	8th	65·0	22nd	28·2	...	...	...	...	...	...	...	...	...	...	...
	Chandkhira	77·1	88·3	−1·4	71·1	+1·9	79·7	+0·3	17·2	98·6	1st & 3rd	63·0	5th	35·6	...	...	...	...	...	...	...	...	...	...	...
	Doom Dooma	71·7	86·4	+0·1	70·2	+2·1	78·3	+1·1	16·2	95·8	4th	67·5	4th	28·3	...	...	...	...	...	...	...	...	...	...	...
	Dikom	71·7	85·3	−0·9	71·3	+1·3	78·3	+0·2	14·0	94·6	4th	68·0	5th	26·6	...	...	...	...	...	...	...	...	...	...	...
	Golaghat	69·7	84·0	−1·8	71·0	...	77·5	...	13·0	90·3	3rd	65·2	22nd	25·1	...	...	...	...	...		...	...	...	...	...
	Hailakandi	77·3	86·9	−3·2	72·3	+0·4	79·6	−1·4	14·6	94·0	1st, 3rd & 4th.	67·8	23rd	26·2	...	...	...	...	...	...	...	...	...	...	...
	Jorehat	75·8	84·9	−1·3	71·5	+0·4	78·2	−0·5	13·4	92·5	3rd	66·5	22nd	26·0	...	...	...	...	...	...	...	...	...	...	...
	Lumding	76·1†	86·5†	...	72·0†	...	79·2†	...	14·5	94·4	15th	68·0	22nd	26·4	...	...	...	...	...	...	...	...	...	...	...
	Messa	73·7	88·4	−3·2	70·4	+1·7	79·4	−0·7	18·0	95·7	12th	63·9	22nd	31·8	...	...	...	...	...	...	...	...	...	...	...
	Panerihat	72·9	85·8	+0·3	65·1	−3·7	75·5	−1·5	20·7	91·1	14th	56·8	5th	34·3	...	...	...	...	...	...	...	...	...	...	...
	III.—Bengal.																								
5	Comilla	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Brahmanbaria	80·8	88·6	−2·3	74·0	+0·3	81·3	−1·0	14·6	93·6	3rd & 4th	67·3	22nd	26·3	...	...	...	...	...	...	...	...	...	...	...
	Faridpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Goalundo	82·6	92·3	−0·3	75·7	+2·3	84·0	+1·0	16·6	98·1	3rd & 4th	70·1	22nd & 24th	28·0	...	...	...	...	...	...	...	...	...	...	...
	Pabna	83·2	93·1‡	−2·6‡	77·9	+4·6	84·1‡	+1·0	15·2	98·6	4th	69·9	4th.	28·7	...	...	...	...	...	...	...	...	...	...	...
	Sirajganj	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Rampur Boalia	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Malda	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Rangpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Dam Dim	76·8	91·5	+1·0	71·9	+2·0	81·7	+1·5	19·6	96·4	2nd	66·3	19th	30·1	...	...	...	...	...	...	...	...	...	...	...
	Kalchini	80·7	87·8	−1·0	71·5	+1·4	79·7	+0·2	16·3	92·1	18th & 30th	68·0	7th & 19th	24·1	...	...	...	...	...	...	...	...	...	...	...
	Nagrakata	78·6	88·0	−0·3	72·4	+2·2	80·2	+0·8	15·6	91·1	2nd & 30th	68·0	4th, 6th & 18th.	23·1	...	...	...	...	...	...	...	...	...	...	...
	Cooch Behar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Krishnagar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Bankura	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Raniganj (Asansol)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	IV.—Bihar and Orissa.																								
7	Hazaribagh	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	Bhagalpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Muzaffarpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Motihari	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Chapra	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Arrah	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Dehri	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

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

C.

and fifth class stations in India, etc., in May, 1915.

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 to 31st May 1915.	Normal rainfall of period, 1st to 31st May.	Departure from normal of period, 1st to 31st May 1915.	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.—Assam.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Balek.
...	...	...	...	...	91	− 1	·797	−·004	...	...	16	14·0	+2·0	20·54	8·15	+12·39	20·54	8·15	+12·39	3·40	Bishnath.
...	...	...	...	...	87	0	·786	−·012	...	...	19	13·4	+5·6	14·99	8·39	+ 6·60	14·99	8·39	+ 6·60	3·28	Borjuli.
...	...	...	...	...	92	+ 8	·847	+·048	...	...	23	15·4	+7·6	29·58	12·82	+16·76	29·58	12·82	+16·76	4·05	Chandkhira.
...	...	...	...	...	93	+ 1	·725	−·057	...	...	17	12·7	+4·3	14·00	7·94	+ 6·06	14·00	7·94	+ 6·06	2·10	Doom Dooma.
...	...	...	...	...	91	+ 4	·780	+·027	...	...	18	13·2	+4·8	16·73	8·81	+ 7·92	16·73	8·81	+ 7·92	2·45	Dikom.
...	...	...	...	...	92*	+ 2	·811*	+·012	...	...	21	12·7	+8·3	17·63	8·25	+ 9·38	17·63	8·25	+ 9·38	2·05	Golaghat.
...	...	...	...	...	90	+ 3	·841	+·044	...	...	23	14·5	+8·5	34·10	12·25	+21·85	34·10	12·25	+21·85	3·86	Hailakandi.
...	...	...	...	...	87	+ 1	·729	+·018	...	...	23	13·2	+9·8	25·03	8·94	+16·09	25·03	8·94	+16·09	4·60	Jorehat.
...	...	...	...	...	91†	...	·816†	...	...	...	21	8·8	+12·2	13·08	4·57	+ 8·51	13·08	4·57	+ 8·51	1·91	Lumding.
...	...	...	...	...	78	− 3	·758	−·047	...	...	23	13·8	+9·2	15·33	7·76	+ 7·57	15·33	7·76	+ 7·57	2·27	Messa.
...	...	...	...	...	95	+ 4	·771	+·060	...	...	14	15·0	−1·0	14·99	10·78	+ 4·21	14·99	10·78	+ 4·21	3·25	Panerihat.
																					III.—Bengal.
...	...	...	...	...	...	...	...	...	...	...	14	11·9	+2·1	25·23	11·30	+13·93	25·23	11·30	+13·93	9·66	Comilla.
...	...	...	...	...	86	+ 4	·895	+·020	...	...	17	11·3	+5·7	24·72	10·63	+14·09	24·72	10·63	+14·09	3·44	Brahmanbaria.
...	...	...	...	...	...	...	...	...	...	...	14	10·7	+3·3	10·20	8·54	+ 1·66	10·20	8·54	+ 1·66	1·83	Faridpur.
...	...	...	...	...	87	+ 8	·966	+·080	...	...	11	9·7	+1·3	8·75	7·52	+ 1·23	8·75	7·52	+ 1·23	2·12	Goalundo.
...	...	...	...	...	86	+ 4	·982	+·096	...	...	11	8·0	+3·0	8·43	6·49	+ 1·94	8·43	6·49	+ 1·94	1·88	Pabna.
...	...	...	...	...	...	...	...	...	...	...	14	10·5	+3·5	13·43	8·11	+ 5·32	13·43	8·11	+ 5·32	1·92	Sirajganj.
...	...	...	...	...	...	...	...	...	...	...	10	7·6	+2·4	7·26	5·69	+ 1·57	7·26	5·69	+ 1·57	1·45	Rampur Boalia.
...	...	...	...	...	...	...	...	...	...	...	7	5·7	+1·3	2·13	4·48	− 2·35	2·13	4·48	−2·35	0·53	Malda.
...	...	...	...	...	...	...	...	...	...	...	19	12·0	+7·0	20·72	11·28	+ 9·44	20·72	11·28	+9·44	5·65	Rangpur.
...	...	...	...	...	89	0	·822	+·010	...	...	22	13·5	+8·5	23·72	12·26	+11·46	23·72	12·26	+11·46	7·40	Dam Dim.
...	...	...	...	...	75	− 7	·820	−·047	...	...	21	12·7	+8·3	20·26	11·17	+ 9·09	20·26	11·17	+9·09	4·00	Kalchini.
...	...	...	...	...	84	+ 1	·817	+·048	...	...	18	14·5	+3·5	15·98	12·65	+ 3·33	15·98	12·65	+3·33	3·42	Nagrakata.
...	...	...	...	...	...	...	...	...	...	...	19	14·3	+4·7	25·25	16·44	+ 8·81	25·25	16·44	+8·81	2·85	Cooch Behar.
...	...	...	...	...	...	...	...	...	...	...	13	7·8	+5·2	5·86	6·60	− 0·74	5·86	6·60	−0·74	1·17	Krishnagar.
...	...	...	...	...	...	...	...	...	...	...	7	5·9	+1·1	6·13	4·24	+ 1·89	6·13	4·24	+1·89	2·50	Bankura.
...	...	...	...	...	...	...	...	...	...	...	4	5·4	−1·4	3·14	3·95	− 0·81	3·14	3·95	−0·81	1·29	Raniganj (Asansol).
																					IV.—Bihar and Orissa.
...	...	...	...	...	...	...	...	...	...	...	2	4·0	−2·0	1·48	2·19	−0·71	1·48	2·19	−0·71	1·29	Hazaribagh.
...	...	...	...	...	...	...	...	...	...	...	6	4·0	+2·0	3·40	3·26	+0·14	3·40	3·26	+0·14	1·47	Bhagalpur.
...	...	...	...	...	...	...	...	...	...	...	4	3·6	+0·4	1·45	2·64	−1·09	1·45	2·54	−1·09	0·43	Muzaffarpur.
...	...	...	...	...	...	...	...	...	...	...	6	4·1	+1·9	2·58	2·81	−0·23	2·58	2·81	−0·23	0·62	Motihari.
...	...	...	...	...	...	...	...	...	...	...	2	1·8	+0·2	1·92	1·38	+0·54	1·92	1·38	+0·54	1·32	Chapra.
...	...	...	...	...	...	...	...	...	...	...	2	2·0	0	1·02	1·37	−0·35	1·02	1·37	−0·35	0·85	Arrah.
...	...	...	...	...	...	...	...	...	...	...	0	1·4	−1·4	0·22	0·72	−0·50	0·22	0·72	−0·50	0·09	Dehri.

* Mean of 29 days.
† " " 30 "

Table

Abstract of observations taken at 8 hrs. at 58 fourth

Number of sub-division.	Station.	Temperature of air.													Wind direction.										
		Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.	Number of winds from									Resultant direction.	Normal direction.
															Calm.	N.	N. E.	E.	S. E.	S.	S. W.	W.	N. W.		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
	V.—United Provinces of Agra and Oudh.																								
10	Meerut	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Dehra Dun	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	IX.—Rajputana.																								
18	Udaipur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	XII.—Central Provinces.																								
23	Chhindwara	87·7	104·0	...	78·9	...	91·5	...	25·1	109·9	29th	71·3	17th	38·6	9	6	0	0	0	0	1	5	10	N 47° W	...
	XIII.—Hyderabad.																								
27	Parbhani	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	XV.—Madras.																								
31	Tinnevelly	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
32	Anantapur	84·8	102·7	...	78·4	...	90·5	...	24·3	106·5	4th	70·2	16th	36·3	...	...	...	...	...	...	...	...	...	...	...
33	Guntur	89·9	106·2	...	83·2	...	94·7	...	23·0	114·7	30th & 31st.	76·7	17th	38·0	...	...	...	...	...	...	...	...	...	...	...
	Bay Islands.																								
1	Car Nicobar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Kashmir.																								
13	Jammu	93·4	105·2	...	82·9	...	94·1	...	22·3	110·6	23th	71·3	23rd	39·3	0	18	7	2	1	3	0	0	0	N 23° E	...
	Sonamarg	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Kargil	58·7	80·6	...	45·8	...	63·2	...	34·8	87·3	13th	40·0	1st	47·3	0	23	0	1	2	1	2	0	2	N 1° W	...
	Baluchistan.																								
15	Harnai	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Hill stations, exclusive of Kashmir.																								
	Panighatta	76·7	86·5	−1·4	71·6	+1·5	79·1	+0·1	14·9	91·5	3rd	66·4	19th	25·1	...	...	...	...	...	...	...	...	...	...	...
	Kurseong	66·1	72·1	−0·6	62·1	+1·4	67·1	+0·4	10·0	71·8	3rd	59·5	6th	15·3	...	...	...	...	...	...	...	...	...	...	...
	Gnatong	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Lachung	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Ringim	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Mussooree	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Poo	...	76·1	+7·9	52·1	+5·4	64·1	+6·7	24·0	85·4	12th	45·8	20th	39·6	30	0	0	0	0	0	0	1	0	W	...
	Kailang	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Bakloh	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Pishin	...	92·7	+4·3	58·3	+7·4	75·5	+5·9	34·4	94·4	6 days	51·1	15th	43·3	...	...	...	...	...	...	...	...	...	...	...

C—*continued.*

and fifth class stations in India, etc., in May, 1915—*continued.*

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 May, 1915.	Normal rainfall of period, 1st to 31st May.	Departure from normal of period, 1st to 31st May, 1915.		
27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
																					V.—United Provinces of Agra and Oudh.
...	...	...	...	...	...	...	...	...	...	...	2	1·5	+ 0·5	0·43	0·58	− 0·15	0·43	0·58	− 0·15	0·23	Meerut.
...	...	...	...	...	...	...	...	...	...	...	4	3·3	+ 0·7	1·06	1·48	− 0·42	1·06	1·48	− 0·42	0·34	Dehra Dun.
																					IX.—Rajputana.
...	...	...	...	...	...	...	...	...	...	...	1	1·3	− 0·3	0·43	0·79	− 0·36	0·43	0·79	− 0·36	0·36	Udaipur.
																					XII.—Central Provinces.
4·6	...	...	58	...	44	...	·562	...	1·0	...	2	...	...	0·53	...	...	0·53	...	...	0·24	Chhindwara.
																					XIII.—Hyderabad.
...	...	...	...	...	...	...	...	...	...	...	0	1·2	− 1·2	0·09	0·53	− 0·44	0·09	0·53	− 0·44	0·09	Parbhani.
																					XV.—Madras.
...	...	...	...	...	...	...	...	...	...	...	2	2·7	− 0·7	0·57	1·51	− 0·94	0·57	1·51	− 0·94	0·38	Tinnevelly.
...	...	...	...	...	76	...	·910	...	3·9	...	5	2·9	+ 2·1	3·86	1·65	+ 2·21	3·86	1·65	+ 2·21	3·15	Anantapur.
...	...	...	...	...	71	...	·931	...	0·5	...	1	2·9	− 1·9	0·30	1·69	− 1·39	0·30	1·69	− 1·39	0·30	Guntur.
																					Bay Islands.
...	...	...	...	...	...	...	...	...	...	...		16·5	...	...	13·72	...	...	13·72	...	...	Car Nicobar.
																					Kashmir.
...	...	...	68	...	38	...	·593	...	1·2	...	2	2·1	− 0·1	0·32	0·77	− 0·45	0·32	0·77	− 0·45	0·16	Jammu.
...	...	...	...	...	...	...	...	...	...	...	4	9·8	− 5·8	1·70	5·82	− 4·12	1·70	5·82	− 4·12	0·69	Sonamarg.
...	...	...	68	...	51	...	·216	...	1·7	...	3	3·4	− 0·4	0·72	1·63	− 0·91	0·72	1·63	− 0·91	0·40	Kargil.
																					Baluchistan.
...	...	...	...	...	...	...	...	...	...	...	0	0·6	− 0·6	0	0·24	− 0·24	0	0·24	− 0·24	0	Harnai.
																					Hill stations, exclusive of Kashmir.
	...	...	...	...	82	+ 9	·754	+ ·048	...	...	19	12·0	+ 7·0	14·59	8·58	+ 6·01	14·59	8·58	+ 6·01	3·02	Panighatta.
...	...	...	...	...	98	+ 19	·631	+ ·120	...	...	23	12·8	+ 10·2	19·24	9·13	+ 10·11	19·24	9·13	+ 10·11	4·19	Kurseong.
...	...	...	...	...	...	...	...	...	...	...	24	...	...	21·20	...	...	21·20	...	...	1·80	Gnatong.
...	...	...	...	...	...	...	...	...	...	...	20	...	...	8·49	...	...	8·49	...	...	0·88	Lachung.
...	...	...	...	...	...	...	...	...	...	...	26	...	...	30·93	...	...	30·93	...	...	2·79	Ringim.
...	...	...	...	...	...	...	...	...	...	...	4	5·4	− 1·4	2·60	2·25	+ 0·35	2·60	2·25	+ 0·35	1·39	Mussooree.
...	...	...	3	...	...	...	...	...	1·9	−1·1	2	2·3	− 0·3	0·34	1·05	− 0·71	0·34	1·05	−0·71	0·15	Poo.
...	...	...	...	...	...	...	...	...	...	...	2	6·0	−4·0	1·23	2·60	− 1·37	1·23	2·60	− 1·37	0·96	Kailang.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Bakloh.
...	...	...	...	...	...	...	...	...	...	...	0	0·6	− 0·6	0	0·18	− 0·18	0	0·18	− 0·18	0	Pishin.

Table

Abstract of observations taken at 8 hrs. at 58 fourth and

Number of sub-division.	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.	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.																								
	Chumbi	52·6	61·1	...	50·2	...	55·6	...	10·9	71·2	19th	44·1	1st & 2nd	27·1	...	...	...	...	...	...	...	...	...	...	...
	Pemba	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Prison Island . .	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Seistan	...	98·8	...	73·6	...	86·2	...	25·2		27th	66·0	12th	39·0	0	1	0	0	0	1	0	2	27	N 48°W	...

C—*concluded.*

fifth class stations in India, etc., in May, 1915—*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 to 31st May, 1915.	Normal rainfall of period, 1st to 31st May.	Departure from normal of period, 1st to 31st May, 1915.		
27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
																					Extra India.
...	...	...	...	...	83	...	·331	...	...	...	15	...	...	6·19	...	...	6·19	...	...	1·15	Chumbi.
...	...	...	...	...	...	...	...	...	...	...	23	19·2	+3·8	24·20	18·29	+5·91	24·20	18·29	+5·91	3·60	Pemba.
...	...	...	...	...	...	...	...	...	...	...	...	12·0	...	...	12·11	...	...	12·11	...	...	Prison Island.
17·0	...	...	90	...	...	...	...	...	...	...	0	...	...	0	...	...	0	...	...	0	Seistan.

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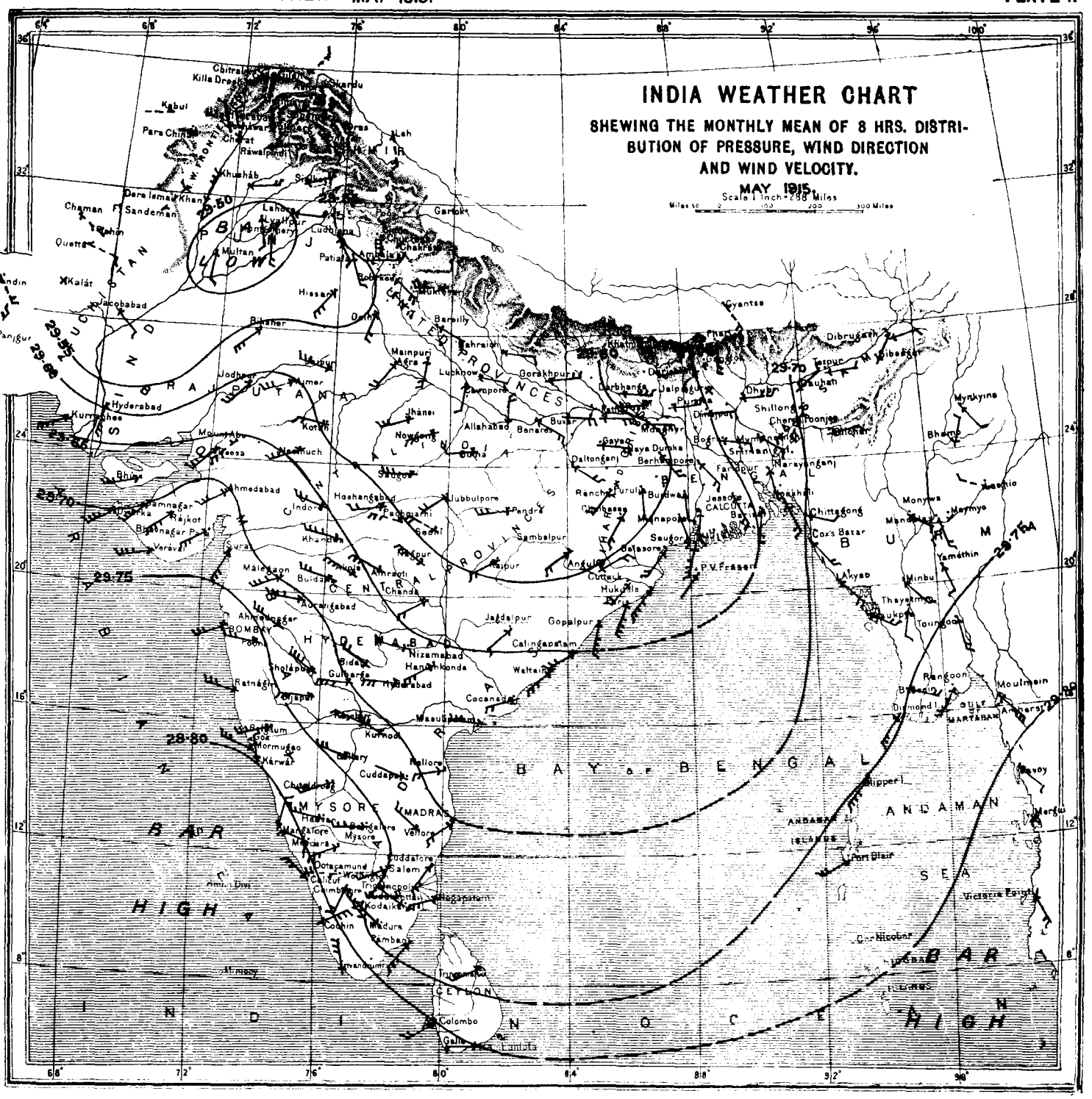
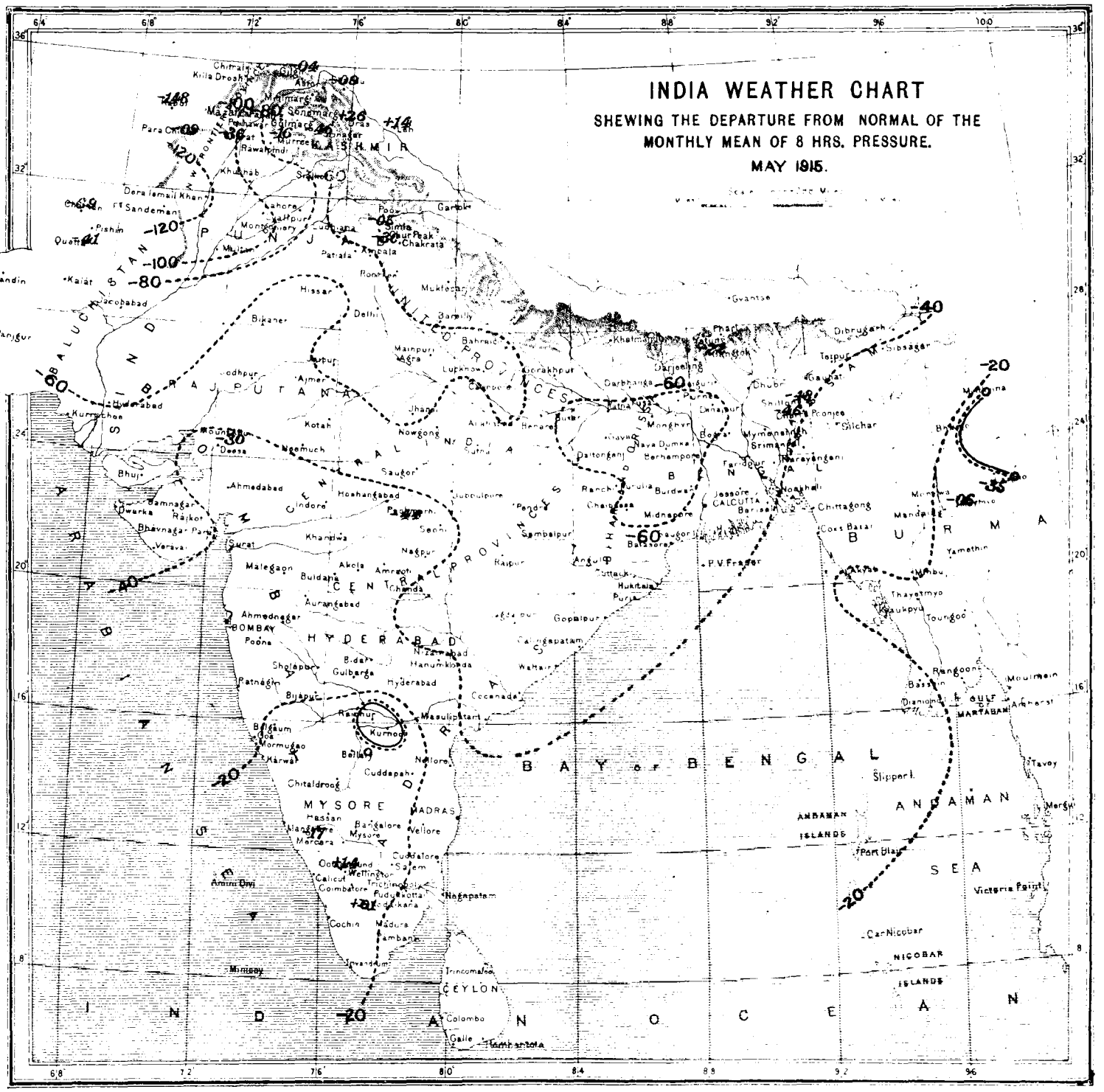


The lines of the above chart represent isobars or lines of equal barometric pressure, the numbers attached indicating the barometric pressure in inches and being drawn for differences of pressure of ·05 inch. The isobars in the Bay of Bengal are filled in by means of the shore observations, and by comparison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

Wind strengths are based on factor 2·2 for the standard type of Beckley Robinson anemograph, instead of 3·0 as used for this plate up to December 1911 inclusive.



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.

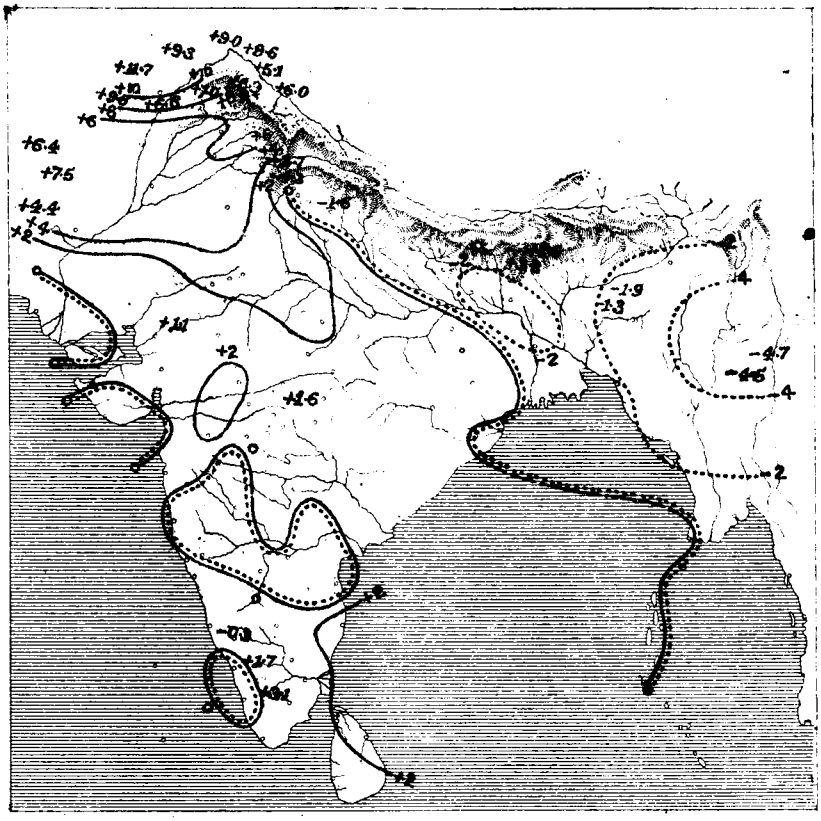


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MINIMUM TEMPERATURE.

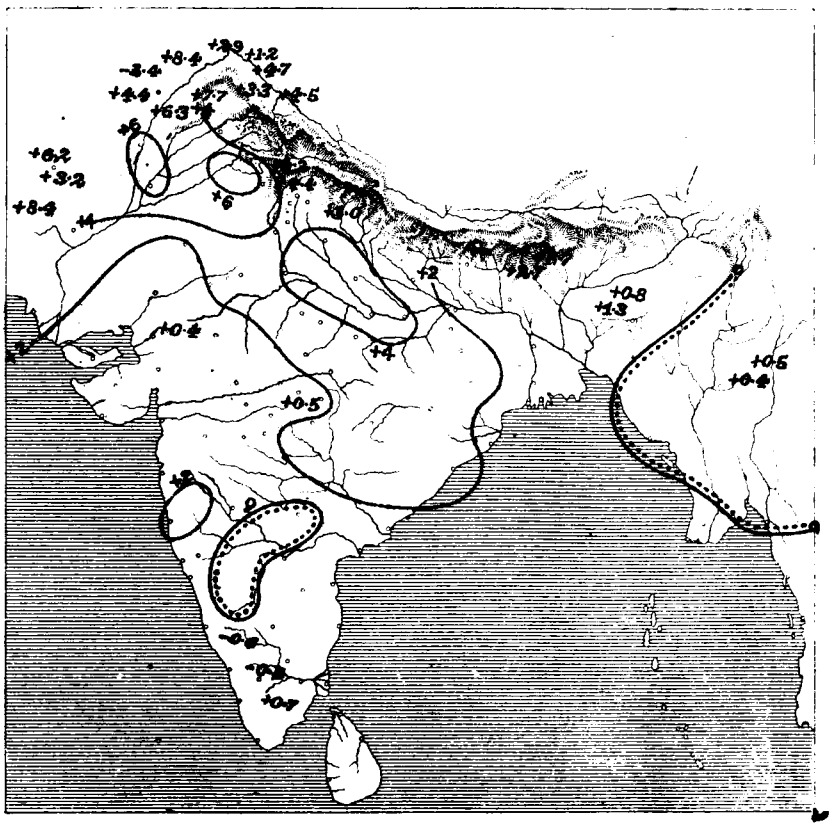


CHART SHEWING THE DEPARTURE FROM NORMAL
OF THE MONTHLY MEAN OF DAILY
MEAN TEMPERATURE.

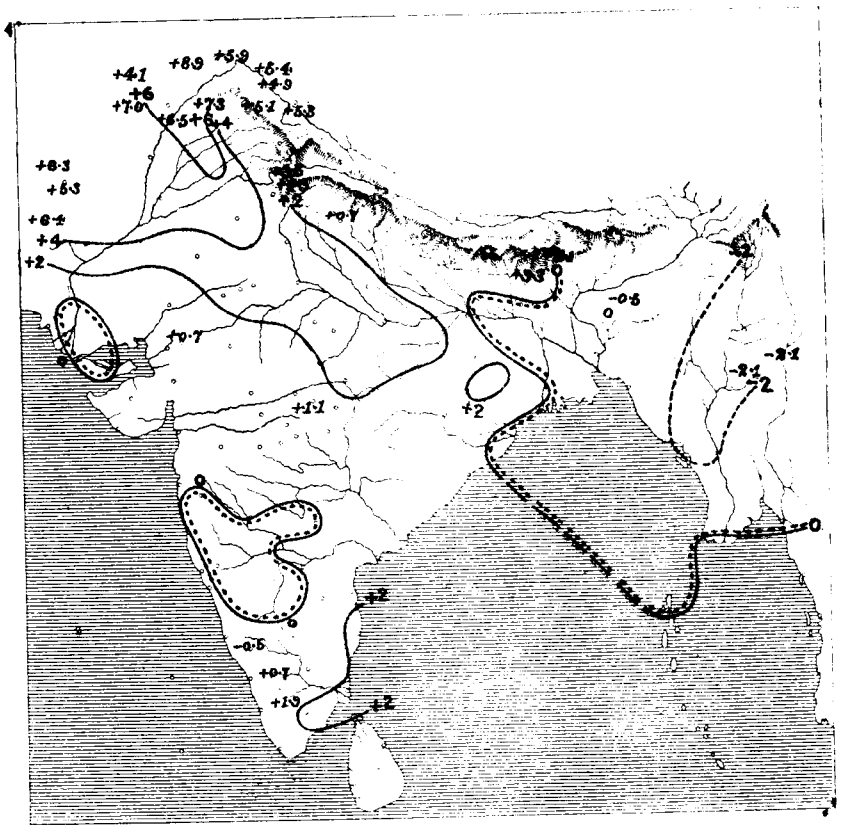


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF ABSOLUTE HUMIDITY AT 8 HRS.

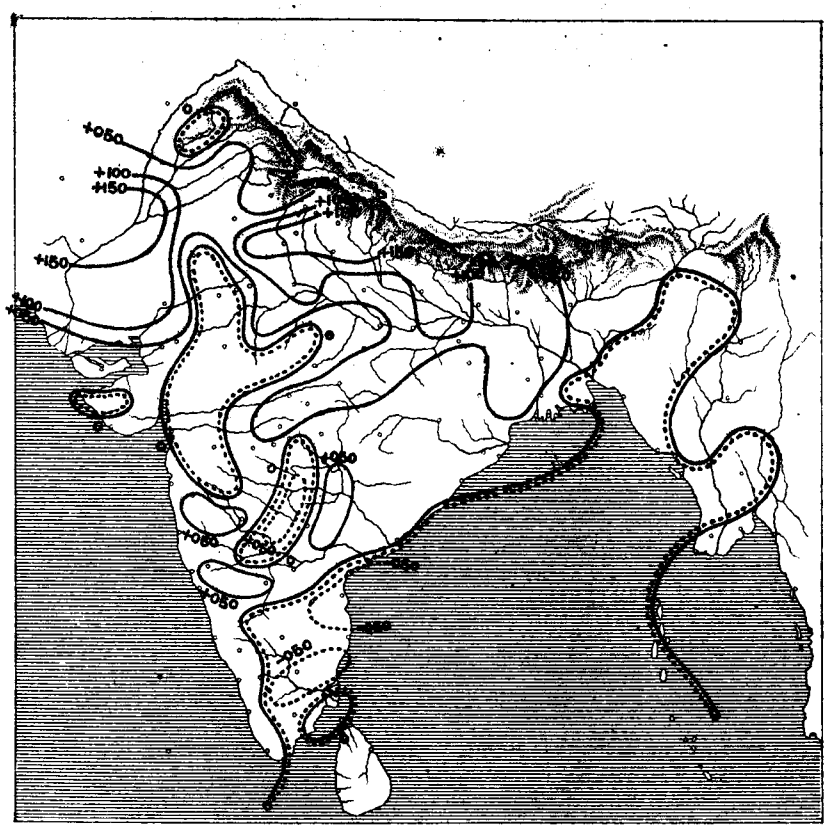


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF RELATIVE HUMIDITY AT 8 HRS.

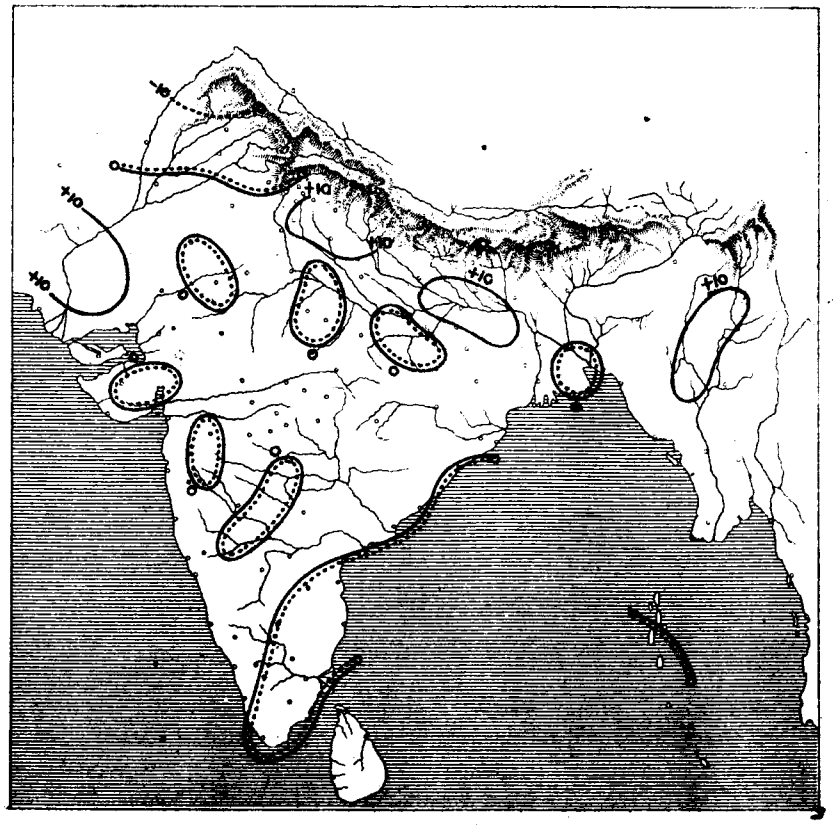


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF CLOUD AMOUNT AT 8 HRS.

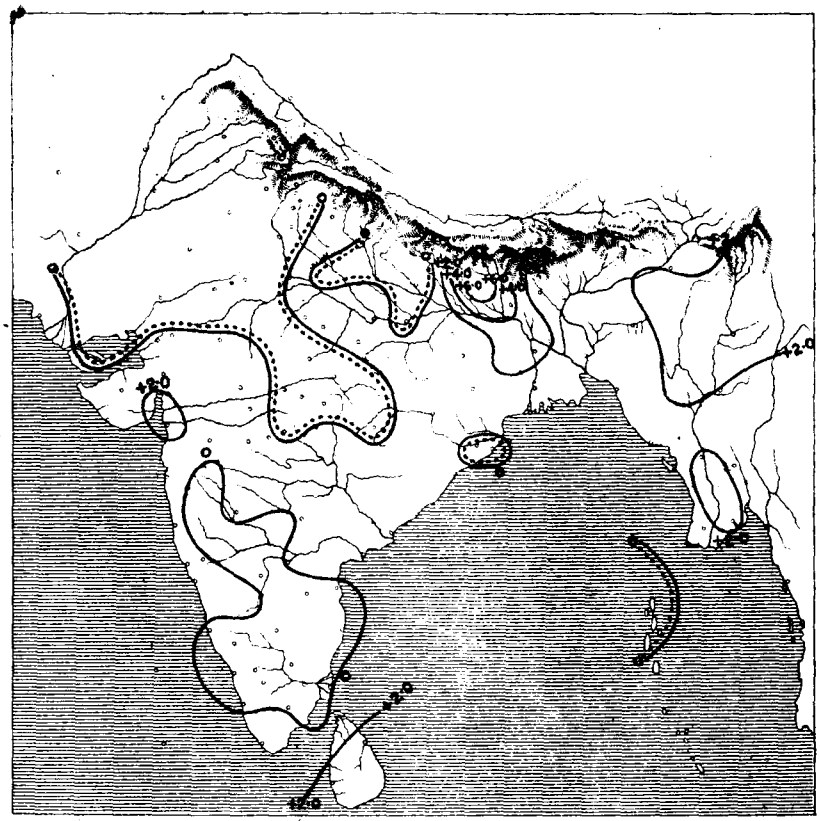
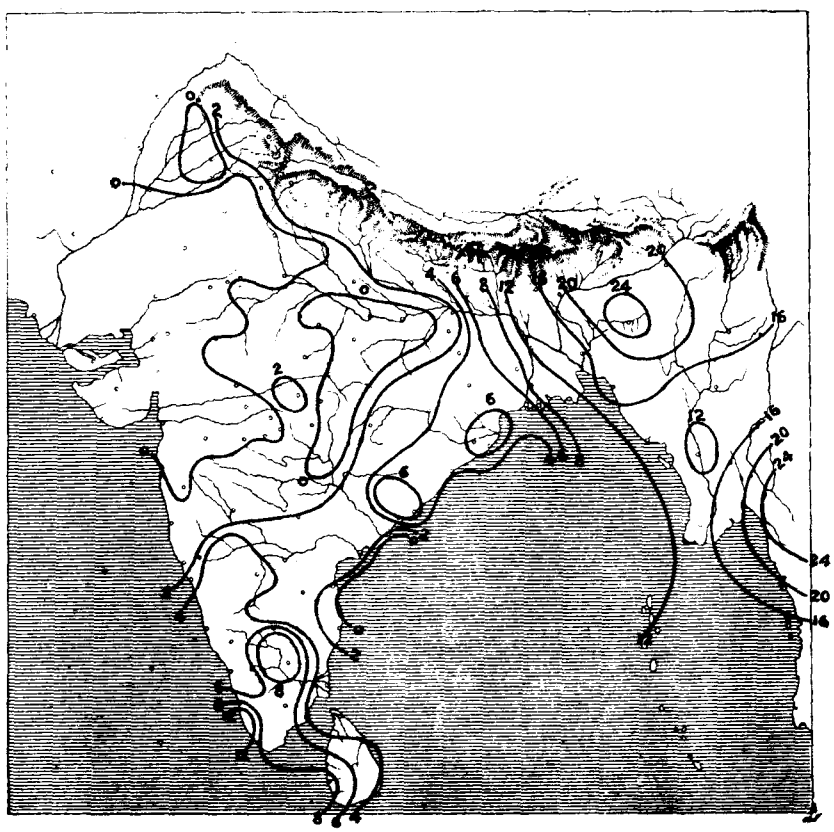
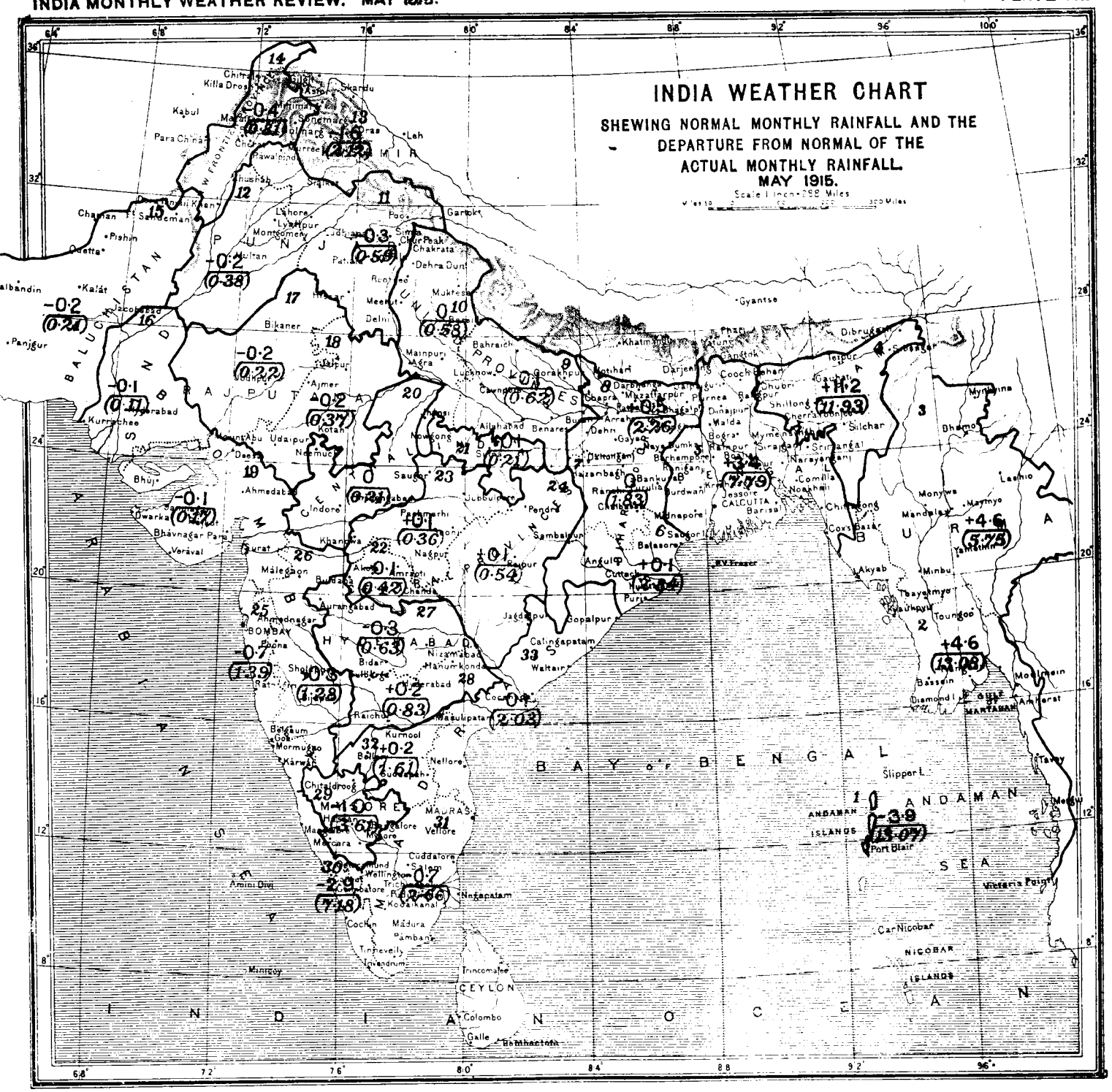


CHART SHEWING THE TOTAL NUMBER OF DAYS IN THE MONTH ON WHICH RAINFALL EQUALLED OR EXCEEDED 0·10 INCH.

(BASED ON THE RETURNS OF TABLE B.)





The country is divided into 33 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. Bengal
6. Orissa
7. Chota Nagpur
8. Bihar
9. United Provinces, East
10. United Provinces, West
11. Punjab, East and North
12. Do., Southwest
13. Kashmir
14. Northwest Frontier Province
15. Baluchistan
16. Sind
17. Rajputana, West
18. Rajputana, East
19. Gujarat
20. Central India, West
21. Do., East
22. Berar
23. Central Provinces, West
24. Do., East
25. Konkan
26. Bombay, Deccan
27. Hyderabad North
28. Hyderabad, South
29. Mysore
30. Malabar
31. Madras, Southeast
32. Madras, Deccan
33. Madras Coast, North

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The diurnal variations of the barometer at Indian stations, Part II, Goalpara, Patna and Leh . . Price Rs. 3	Henry F. Blanford.
Part VI, comprising—	
The Meteorology of the North-West Himalaya . Price Re. 1	S. A. Hill.
Indian Meteorological Memoirs, Vol. II, containing :—	
Part I, comprising—	
Account of the south-west monsoon storm of the 18th to the 24th of September, 1878, in the north of the Bay of Bengal	Sir John Eliot.
List of cyclones on the West Coast of India and in the Arabian Sea up to the end of year 1881 . Price Rs. 2	Fred. Chambers.
Part II, comprising—	
Note on the foregoing list of cyclones and on the Gujarat land cyclone of July 11th to 13th, 1881	Henry F. Blanford.
On the temperature of North-Western India . Price Rs. 2	S. A. Hill.
Part III, comprising—	
Account of the south-west monsoon storm of the 8th to the 19th October, 1882, in the Bay of Bengal . Price Rs. 2	Sir John Eliot.
Part IV, comprising—	
Account of south-west monsoon storms generated in the Bay of Bengal during the years 1877 to 1881 . Price Rs. 2	Ditto.
Part V, comprising—	
Observations of temperature and humidity at a height of 40 feet above the ground at Alipore Observatory, Calcutta. Price Re. 1	S. A. Hill.
Indian Meteorological Memoirs, Vol. IV, containing :—	
Part V, comprising—	
The cyclonic storms of November and December, 1886, in the Bay of Bengal	Sir John Eliot.
The cyclone of the 25th May to the 2nd June, 1881, in the Arabian Sea . . . . . Price Rs. 3	Fred. Chambers.
Indian Meteorological Memoirs, Vol. VII, containing :—	
Hourly observations of pressure, temperature, vapour tension, humidity, cloud, wind direction and velocity of wind taken at Trivandrum during the years 1853 to 1864. Complete in 7 parts . . Price each part Re. 1-8	Sir John Eliot.

* Copies for the years 1876, 1878 to 1881, 1884, 1887 and 1890 are out of print.

† Copies for the years 1891 to 1905 are out of print.

‡ Published continuously about four months after date. Copies for 1891—97, January, 1898, January, 1899, to May, 1902, January to November (June excepted), 1906, and January and March, 1904, are out of print.

Continued on page iii of this cover.

GOVERNMENT OF INDIA.

METEOROLOGICAL DEPARTMENT.

MONTHLY WEATHER REVIEW

PUBLISHED BY ORDER OF

THE GOVERNMENT OF INDIA.

CALCUTTA, JUNE, 1915.

INTRODUCTION.

THIS review of the weather in India during the month of June, 1915, is based on observations taken daily at 8 hrs. at 218 stations, and on additional observations taken at 10 hrs. and 16 hrs. at 13 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, magnetic and seismic 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 Arabian Sea monsoon arrived on the west coast about the middle of June, a fortnight after the normal date, and although it gave abundant rain to the greater part of the Peninsula it failed to penetrate properly into regions further north. The Bay current set in very gradually and on the whole provided less rain than usual with the result that over practically the whole region stretching from Bihar and Orissa to the valley of the Indus the rainfall of June was more or less in defect of the normal. In the region comprising the Punjab, Sind and Rajputana the month's fall was barely 50 per cent. of the average.

Of climatic elements other than rainfall the cloud proportion was low generally, while humidity was appreciably in defect in Rajputana, Central India and the Central Provinces. Temperature was higher than usual by 4½° in the Central Provinces, 3° in Central India, Hyderabad and Baluchistan and 2° in Sind, Rajputana and Bombay.

Barometric pressure of the month in the plains was ·013″ in excess of the normal.

Solar, magnetic and seismic disturbances.

KODAIKANAL OBSERVATORY.

3. *Solar Observations.*—Solar observations could not be made on 6 days during the month.

Sun spots.—Eighteen new groups of spots were observed during the month. The daily average number was 3·0 as against 3·2 in May and the average life of a spot was 5·9 days. On the 19th as many as nine spot groups were to be seen and there was only one day in the month when the visible disc was free from spots.

The distribution of the spots in latitude was as follows :—

TABLE 1.

—	0°–10°	11°–20°	21°–30°	Mean latitude.	Extreme latitudes.
North . . .	1	4	3	17·°9	3° & 23°
South . . .	...	7	3	19·°4	16° & 24°

Prominences.—Fifty large prominences were recorded during the month as against eighty-three in May. The highest observed was 170″ occurring at + 7° west on the 5th.

Magnetic disturbances.—One "very great" disturbance was recorded from 18h. on the 16th until the 18th. At its commencement spot group 2210 was about one day's journey from the central meridian, and group 2206 had reached the central meridian by the 18th. "Moderate" disturbances occurred on the following dates.—12th to 14th, 21st to 23rd, 25th and 26th; the second and third of these were associated with spots near the central meridian.

T. ROYDS,

for *Director*,

Kodaikanal and Madras Observatories.

Seismic records.

$\phi = 10° 13' 50''$; $\lambda = 77° 28' 00''$; $h = 2343$m. *Subsoil* Rock.

Apparatus.—Milne's Horizontal Pendulum Seismograph.

TABLE 2.

	V	To	ϵ	r/To²
AN:				
AE:	9·76	18·3	1	2·6
AZ:				

Date.	Phase.	Time, G. M. T.	Period (Sec.)	Amplitude (u). An.	Ae.	Az.	Distance Δ (Km.)	Remarks.
1915. June 1st	e P	h. m. s. 15 17 00	...	...	...	...	...	Air tremors due to high wind were frequent during second half of June.
	e L	15 29 12	...	...	...	...	...	
	M	15 32 30	...	...	80	...	...	
	F	16 20 00	...	...	...	...	...	
1915. June 6th	i P	h. m. s. 21 48 54	...	...	...	...	...	
	i L	21 59 06	...	...	...	...	...	
	M	22 53 12	...	...	340	...	...	
„ 7th	F	0 13 54	...	...	...	...	...	

T. ROYDS,

Assistant Director.

BOMBAY OBSERVATORY.

Alibag magnetic record.

4. During the month of June 1915, the traces showed 15 calm days, 13 days of small, 1 day of moderate, and 1 day of great disturbance.

The days of the month selected as quiet for the purposes of the Magnetic Survey of India are the 3rd, 7th, 15th, 24th and 28th.

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

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

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 the declination for the month are as follow :—

Easterly declination . . .	0° 40′ 46″
Horizontal force	0·36863 C.G.S. unit.
Vertical force	0·16683 C.G.S. unit.
Inclination	24° 21′·0.
Horizontal force range . .	0·00054 C.G.S. unit.
Horizontal force summed range	0·00364 C.G.S. unit.
Declination range . . .	4′·9.
Declination summed range . .	21′·2.

(NOTE.—Summed range means sum without regard to sign of the twenty-four ordinates of the diurnal inequality).

Seismic records.

ϕ =18° 53′ 36″; λ = 72° 48′ 56″; h=11 m. *Subsoil* Trap.

Apparatus.—Milne's Horizontal Pendulum Seismograph.

TABLE 4.

	V	To	ϵ	$\frac{r}{To^2}$
AN:				
AE:	9	21	1	
AZ:				

Date.	Phase.	Time, G. M. T.	Period (Sec.)	Amplitude (u). An.	Ae.	Az.	Distance Δ (Km.)	Remarks.
1915.		h. m. s.						
June 1st	P	.....	...	...	...	...	...	Beginning lost in shifting time.
	M	15 28 58	...	...	44	...	...	
	F	15 49 44	...	...	...	...	...	
„ 3rd	P	.....	...	...	...	...	...	Beginning mixed in tremors.
	M	8 18 53	...	...	33	...	...	
	F	.....	...	...	...	...	...	End mixed in tremors.
„ 6th	P	21 49 0	...	...	...	...	...	
	M	22 53 56	...	...	433	...	...	
„ 7th	F	0 5 14	...	...	...	...	...	
„ 8th	...	8 42 0	...	...	...	...	...	Thickening of line.
„ 14th	...	12 12 to 16	...	...	...	...	...	„
„ 17th	P	23 48 50	...	...	...	...	...	
„ 18th	M	0 2 45	...	...	56	...	...	
	F	0 12 44	...	...	...	...	...	
„ 21st	...	6 35 0	...	...	...	...	...	Thickening of line.
1915.		h. m. s.						
June 22nd	P	4 43 36	...	...	...	...	...	
	M	4 48 45	...	...	44	...	...	
	F	5 4 4	...	...	...	...	...	
„ 29th	...	16 9 0	...	...	...	...	...	Thickening of line.

Sensibility to tilt 1·0 mm. of amplitude on the trace =0·31″.

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

5. CALCUTTA (ALIPORE) OBSERVATORY.

Seismograph dismantled.

6. SIMLA OBSERVATORY.

The Simla seismograph notes for June 1915 will appear in a future number of this review.

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

TABLE 5.

Place at which felt.	Date.	G. M. T. of earthquake.	Duration.	Intensity Rossi-Forel scale.	No. of shocks.
		h. m.	sec.		
Drosh	June 3rd	8 15	20	6	3
Heti (District Peshawar North West Frontier Province).	„ 3rd	8 15	150	6	1
Drosh	„ 18th	7 0	7	6	1
„	„ 18th	14 58	10	6	1
Katmandu (Nepal) . .	„ 19th	0 30	...	...	1

Solar radiation—No observations with the Angstrom's pyrheliometer were possible during the month owing to cloudy skies.

C. W. NORMAND,
Imperial Meteorologist, Simla.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

7. No information has been received.

Weather in the Indian Ocean.

8. The departures from normal of pressure and air movement were such as are favourable for Indian rainfall during July.

TABLE 6.

—	Mauritius.	Zanzibar.	Seychelles.
Departure from normal of mean pressure	—·023	—·024	—·016
Actual mean wind direction . .	S 61° E	S 18° W	S 31° E
Normal mean wind direction . .	S 63° E	S 13° W	S 27° E
Actual mean wind velocity (miles per diem).	174	166	213
Normal mean wind velocity (miles per diem).	174	154	188
Rainfall departure from normal . .	—1·45	+3·21	—2·07

Depressions and cyclonic storms.

9. As usually happens a belt of deficient pressure travelled up the Indian seas in front of the advancing monsoon current. In the Arabian Sea the low pressure conditions never attained any great intensity, and their chief effect was to delay the extension inland of the monsoon until their disappearance on the 22nd.

In the Bay of Bengal on the other hand the low pressures concentrated into a storm on the 22nd in about Latitude 16° North and Longitude 86° or 87° East. From here the storm was transmitted north-westwards and crossing the coast between Waltair and Gopalpur on the morning of the 24th lay in the vicinity of Nagpur at 8 hours on the 25th. Its barometric depth had become reduced from three-tenths of an inch to two-tenths during its passage overland and during the next twenty-four hours it was merged in the trough of low pressure which at that time lay between Orissa and the south-west Punjab.

Having formed much further south than is usual in June the storm failed to introduce the rains into north-east India, and was noteworthy chiefly for the heavy rain it gave to the Central Provinces, north Hyderabad and the Konkan.

Pressure.

10. Atmospheric pressure in the plains of India was on the mean of the whole month ·013″ higher than usual. The excess was, however, confined mainly to northern India and Burma, the recorded readings in the Peninsula and Ceylon being generally below the average. As a result of these peculiarities in the distribution of pressure the baric gradient between Colombo and Karachi, on the one hand, and between Colombo and Calcutta, on the other, was about a twentieth of an inch below its normal value.

TABLE 7.

DIVISION.	Departure from normal of mean 8 hrs. pressure.
	″
Burma	+·024
Assam	+·043
Bengal	+·041
Bihar and Orissa	+·030
United Provinces	+·032
Punjab	+·035
North-West Frontier Province	+·013
Sind	+·024
Rajputana	+·009
Bombay	+·001
Central India	+·001
Central Provinces	—·012
Hyderabad	—·018
Mysore	—·009
Madras	—·014

The vertical gradient was on the whole of about normal strength in northern India, and rather weak in southern India.

TABLE 8.

HILL STATION.	Departure from normal pressure. A	PLAIN STATION.	Departure from normal pressure. B	Departure of pressure difference. B—A
	″		″	″
Quetta	+·015	Jacobabad	+·022	+·007
Leh	+·040	Lahore	+·036	—·004
Murree	+·042	Peshawar	+·018	—·024
Simla	+·049	Ludhiana	+·049	0
Mukteswar	+·033	Roorkee	+·048	+·015
Darjiling	+·035	Dhubri	+·049	+·014
Mount Abu	+·043	Deesa	+·019	—·024
Pachmarhi	+·001	Khandwa	—·014	—·015
Kodaikanal	+·005	Madura	—·022	—·027

Temperature.

11. The maximum temperature departed to no great extent from the normal except in the region comprising Rajputana, Central India, the Central Provinces, Hyderabad and the Bombay Deccan where it was in excess between 3° and 8°. The departures from normal of minimum temperature had a distribution very similar to that of the maximum temperature, although the magnitude of the departures was smaller. The mean temperature averaged 4½° above the normal, in Central India West and the Central Provinces, and 3° above in Hyderabad and the Bombay Deccan, but over the rest of the country it was very nearly normal.

TABLE 9.

Sub-division.	Actual temperature.					Departure from normal of		
	Mean maximum.	Mean minimum.	Monthly mean of mean between maximum and minimum.	Mean daily range of temperature.	Absolute range during month.	Maximum.	Minimum.	Daily range.
	°	°	°	°	°	°	°	°
1. Bay Islands	88·2	79·4	83·8	8·8	16·7	+2·3	+1·6	+0·7
2. Lower Burma	87·7	76·3	82·0	11·3	19·1	+2·0	+0·7	+1·3
3. Upper Burma	89·9	75·5	82·7	14·3	23·8	—0·7	—0·2	—0·5
4. Assam	86·9	75·5	81·2	11·4	24·3	—1·5	—0·3	—1·2
5. Bengal	89·0	77·3	83·2	11·7	23·5	—1·1	—0·7	—0·4
6. Orissa	96·5	80·7	88·6	15·9	34·7	+2·3	+0·8	+1·5
7. Chota Nagpur	98·3	78·9	88·6	19·3	41·1	+2·1	+0·7	+1·4
8. Bihar	95·0	78·3	86·7	16·6	32·9	—0·4	—0·7	+0·3
9. United Provinces, East	101·8	81·5	91·7	20·2	36·7	+1·4	+0·2	+1·2
10. Do., West	103·8	82·3	93·0	21·6	40·1	+2·0	+0·2	+1·8
11. Punjab, East and North	105·5	80·8	93·2	24·7	42·7	+1·2	+0·2	+1·0
12. Do., South-west	109·2	84·3	96·8	24·9	46·5	+1·5	+1·7	—0·2
13 Kashmir	75·6	50·4	63·0	25·2	41·8	—1·9	—0·2	—1·7
14 North-West Frontier Province	107·9	80·1	93·9	27·7	43·7	+3·2	—0·6	+3·8
15. Baluchistan	100·8	70·9	85·9	29·9	45·0	+1·9	+3·7	—1·8
16. Sind	104·8	84·3	94·6	20·5	32·3	+1·8	+1·5	+0·3
17 Rajputana, West	109·2	84·3	96·7	24·9	37·9	+3·3	+0·3	+3·0
18. Do., East	107·1	84·9	96·0	22·2	36·5	+3·4	+1·6	+1·8
19 Gujarat	98·5	80·6	89·6	17·9	29·9	+2·3	+0·5	+1·8
20. Central India, West	103·7	79·1	91·3	24·5	37·9	+6·7	+2·4	+4·3
21. Do., East	104·6	83·9	94·2	20·7	37·9	+3·3	+1·3	+2·0
22. Berar	102·6	80·2	91·4	22·4	38·0	+6·2	+3·9	+2·3
23. Central Provinces, West	104·1	81·5	92·8	22·7	40·1	+5·9	+3·1	+2·8
24. Do., East	102·7	81·3	92·0	21·4	44·6	+5·4	+2·7	+2·7
25. Konkan	88·6	79·8	84·2	8·8	19·0	+1·4	+1·6	—0·2
26. Bombay Deccan	95·8	73·7	84·7	22·1	38·4	+4·9	+1·5	+3·4
27. Hyderabad, North	99·1	76·8	88·0	22·4	40·3	+4·3	+2·7	+1·6
28. Do., South	99·6	78·5	89·0	21·1	39·7	+3·8	+2·2	+1·6
29. Mysore	85·7	68·9	77·3	16·7	30·7	+1·5	+1·1	+0·4
30. Malabar	86·6	76·8	81·7	9·8	20·7	+2·0	+1·9	+0·1
31. Madras, South-east	96·4	79·3	87·8	17·1	28·3	+0·3	+1·4	—1·1
32. Do. Deccan	99·5	80·0	89·8	19·5	36·5	+2·2	+2·2	0
33. Do. Coast, North	95·5	81·8	88·6	13·7	29·6	+0·1	+0·9	—0·8

TABLE 10.

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

Winds.

12. (*a*) The flow of air across the Burma, Bengal and Bombay coasts was appreciably less strong than usual, but over the greater part of the interior the wind velocity was appreciably above the average. The degree of steadiness was distinctly low in the Central Provinces, Central India and Rajputana, and high in Assam, the United Provinces, the Punjab and the North-West Frontier Province.

(*b*) Winds contained an undue northerly element in Mysore, the Konkan, the Bombay Deccan and the western half of the Central Provinces, and an abnormal easterly component over the region defined by Sutna, Jhansi, Agra, Hissar and Montgomery. At Darjiling where, as a rule, light easterly winds prevail, calms were reported during nearly the whole month, an indication that the easterly current over north-east India was of less depth than usual.

TABLE 11.

Division.	Departure from normal of	
	Hourly wind velocity.	Wind steadiness.
Burma	—0·5	— 8
Assam	—0·1	+ 6
Bengal	—0·8	— 8
Bihar and Orissa	+0·5	+ 5
United Provinces	—0·3	+18
Punjab	+0·5	+16
North-West Frontier Province	+0·1	+ 7
Sind	—0·5	+ 6
Rajputana	—0·5	—13
Bombay	—1·7	— 4
Central India	—0·7	—15
Central Provinces	+0·8	—15
Hyderabad	—0·4	— 4
Mysore	+0·7	— 2
Madras	+1·0	— 3

Humidity and cloud.

13. Humidity, both absolute and relative, was appreciably below the normal in Rajputana, Central India, the Central Provinces and north Hyderabad, and was in excess around Jacobabad and locally on the coast between Waltair and Negapatam, but over the rest of the country the hygrometric conditions were fairly normal.

The cloud proportion was low over the whole country with the exception of Bengal, Chota-Nagpur, Orissa, north Hyderabad, the extreme south of the Peninsula and a few stations elsewhere; the defect was most pronounced in the Bombay Deccan, the Central Provinces, Central India, Sind and the east of the United Provinces.

TABLE 12.

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	0	·897	+·003	7·3	—0·4
Assam . .	90	— 1	·887	—·023	7·0	—0·5
Bengal . .	88	+ 1	·947	—·009	7·5	+0·4
Bihar and Orissa .	78	0	·901	+·009	5·7	+0·2
United Provinces .	61	— 2	·810	+·003	3·1	—0·9
Punjab . .	47	— 3	·653	—·021	1·7	—0·2
North-West Frontier Province.	49	+ 1	·666	—·007	0·9	—0·6
Sind . . .	68	+ 2	·938	+·066	2·0	—1·1
Rajputana . .	47	— 8	·666	—·061	2·1	—0·7
Bombay . .	74	— 3	·837	—·003	5·6	—0·7
Central India	55	— 8	·710	—·034	3·5	—1·7
Central Provinces .	56	—10	·672	—·062	4·5	—1·1
Hyderabad . .	64	— 7	·701	—·017	6·1	+0·2
Mysore . .	83	+ 2	·686	+·032	7·1	—0·9
Madras . .	73	+ 1	·853	+·043	6·0	—0·2

Rainfall.

14. During the first fortnight there was occasional rain in the Peninsula and frequent rain in Burma, Assam and Bengal. On the 15th the first burst of the monsoon occurred on the Malabar coast, and by the 18th the wave of rainfall had travelled north to the latitude of Bombay. As usually happens an area of low pressure and rough squally weather in the Arabian Sea travelled in front of the advancing current and had the effect of preventing rainfall from extending inland. On the disappearance of this area on the 22nd the current penetrated inland, and under the influence of a storm from the Bay the monsoon was established within the next 48 hours over the Deccan and the Central Provinces. The disintegration of the Bay storm on the 26th over Central India was followed by an incursion of rainfall into the United Provinces and the east of Central India.

The monsoon was unusually active between the 24th and the 28th, particularly in the neighbourhood of Bombay where rain to the extent of 35 inches fell in these five days.

On the east side of India although more or less rain was of daily occurrence there was no regular burst such as marks the setting in of the monsoon in that area in most years.

In north-west India apart from Gujarat there was no influx of damp air and marked hot weather conditions held.

The month's aggregate rainfall was either about normal or in defect in all parts of northern and central India with the exception of Bengal, Central India East and Berar, the defect being more than 30 per cent. in Chota Nagpur, United Provinces West, Punjab East and North, Baluchistan, Sind, Rajputana and the Central Provinces East. In the Peninsula there was a marked excess in the Konkan, Bombay Deccan, Hyderabad, Mysore and the Madras Coast North, and an appreciable defect in Malabar. In Burma the rainfall was irregularly distributed, being 11 per cent. in defect in Lower Burma and 18 per cent. in excess in Upper Burma. In the Bay Islands the recorded quantity was 43 per cent. short of the average.

TABLE 13.

Sub-division.	Number of rainy days.		Rainfall.			
	Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
			"	"	"	
1. Bay Islands	16·0	19·1	9·99	17·63	—7·64	— 43
2. Lower Burma	20·4	22·5	23·06	25·81	—2·75	— 11
3. Upper Burma	12·3	10·6	8·90	7·56	+1·34	+ 18
4. Assam	17·6	17·7	18·52	18·00	+0·52	+ 3
5. Bengal	15·8	14·0	16·07	14·25	+1·82	+ 13
6. Orissa	9·7	10·6	6·24	8·84	—2·60	— 29
7. Chota Nagpur	7·4	9·6	4·33	8·15	—3·82	— 47
8. Bihar	7·6	8·6	5·75	7·80	—2·05	— 26

Sub-division.	Number of rainy days.		Rainfall.			
	Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
			"	"	"	
9. United Provinces, East	4·8	5·5	4·18	4·89	—0·71	— 15
10. Do., West	3·9	4·8	2·39	4·09	—1·70	— 42
11. Punjab, East and North	2·6	2·9	1·16	2·08	—0·92	— 44
12. Punjab, South-west	1·7	1·4	0·79	0·80	— 0·01	— 1
13. Kashmir	4·2	3·8	1·85	2·14	—0·29	— 14
14. North-West Frontier Province	1·7	1·7	0·88	0·92	—0·04	— 4
15. Baluchistan	0·2	0·5	0·05	0·25	—0·20	— 80
16. Sind	0	0·7	0	0·52	—0·52	—100
17. Rajputana, West	1·7	1·9	0·71	1·26	—0·55	— 44
18. Do., East	2·8	3·7	1·29	2·48	—1·19	— 48
19. Gujarat	4·3	5·3	4·45	4·78	—0·33	— 7
20. Central India, West	4·9	5·7	3·59	4·72	—1·13	— 24
21. Do., East	4·0	4·9	4·99	4·31	+0·68	+ 16
22. Berar	5·7	8·0	7·29	5·67	+1·62	+ 29
23. Central Provinces, West	6·7	8·5	7·46	6·90	+0·56	+ 8
24. Do., East	7·0	9·5	5·35	8·43	—3·08	— 37
25. Konkan	11·9	18·3	30·92	25·34	+5·58	+ 22
26. Bombay Deccan	8·4	8·0	7·19	5·18	+2·01	+ 39
27. Hyderabad, North	6·9	8·0	7·75	5·48	+2·27	+ 41
28. Do., South	6·1	7·0	5·75	4·31	+1·44	+ 33
29. Mysore	10·8	7·1	8·29	4·77	+3·52	+ 74
30. Malabar	19·9	22·9	31·28	32·95	—1·67	— 5
31. Madras, South-east	3·8	2·9	2·06	1·54	+0·52	+ 34
32. Do. Deccan	5·4	4·6	2·27	2·49	—0·22	— 9
33. Do. Coast, North	6·5	6·3	6·15	4·57	+1·58	+ 35

TABLE 14.

Division.	Rainfall.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Burma	14·46	14·73	—0·27	— 2
Assam	18·52	18·00	+0·52	+ 3
Bengal	16·07	14·25	+1·82	+ 13
Bihar and Orissa	5·53	8·15	—2·62	— 32
United Provinces	3·22	4·46	—1·24	— 28
Punjab	1·07	1·77	—0·70	— 40
North-West Frontier Province	0·88	0·92	—0·04	— 4

Division.	Rainfall.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Sind	0	0·52	—0·52	—100
Rajputana	1·10	2·10	—1·00	— 48
Bombay	10·57	8·67	+1·90	+ 22
Central India	4·30	4·51	—0·21	— 5
Central Provinces	6·60	7·15	—0·55	— 8
Hyderabad	6·75	4·89	+1·86	+ 38
Mysore	8·29	4·77	+3·52	+ 74
Madras	5·96	5·41	+0·55	+ 10
Mean of India	7·01	7·05	—0·04	— 1

Snowfall.

I.—AFGHANISTAN.

15. *Kabul.*—No snow fell.

II.—NORTH-WEST FRONTIER PROVINCE.

(*a*) *Drosh.*—There was one slight fall on the higher hills.

(*b*) *Khyber.*—No snow fell during the month, but the previous accumulations on the Sufed Koh were believed to be somewhat in excess of the normal.

(*c*) *Malakand.*—No snow fell in Dir and Swat.

(*d*) *Hazara.*—Light snow fell on the 11th, 15th and 26th in the Kagan valley at an altitude of 15,000 to 17,000 feet.

III.—KASHMIR.

The statement below shows the character of snowfall in this region:—

TABLE 15.

Locality.	Number of falls.	Character.	REMARKS.
Higher passes across the mountains around Gulmarg.	4	Light to moderate.	
Hills near Skardu	...	...	No snowstorms.
Top of higher mountains surrounding Dras.	2	Slight	
Hills around Kargil	3	Slight	At the end of the month about 2 feet of snow still remained unmelted.
Mountains around Srinagar	...	...	No snow.
Hills around Leh	2	Slight.	

IV.—PUNJAB.

(*a*) *Chamba.*—In the upper reaches of the Ravi snow fell down to 12,000 feet on the 14th and down to 10,000 feet on the 24th, while in the Chenab valley snowstorms were recorded on the 6th, 7th and 25th on the ranges above 11,000 feet in elevation.

(*b*) *Kilba* (*Simla Hills*).—Snowstorms occurred on the hills adjacent to Kilba on four days, *viz.*, the 4th, 15th, 17th and 24th. The lowest level reached was 11,000 feet where the aggregate fall measured about 8 inches.

TABLE 16.

Locality.	DEPTH OF ACCUMULATION AT THE END OF THE MONTH.	
	Reported.	Normal.
	Feet.	Feet.
Harang	*Nil*	*Nil*
Rupin	2	6½
Brua	3	4½
Shatul	4	3½

V.—UNITED PROVINCES.

(*a*) *Garhwal.*—Snow fell down to a level of 13,000 feet on the 1st, 2nd, 3rd, 4th, 17th and 24th.

(*b*) *Almora.*—The total fall of the month was estimated at about 4 feet in Byans, 3 feet in Malla Darma, 2½ feet in Chaudas, 1½ feet in Malla Danpur, and 6 inches in Malla Johar. The snowline descended from the perpetual snows to distances ranging between 1½ and 4 miles.

TABLE 17.

Name of pass or peak.	DEPTH OF ACCUMULATION AT THE END OF THE MONTH.	
	Reported.	Normal.
	Feet.	Feet.
Nuwe pass	12	16
Lipulekh „	4½	6
Lampia „	8	8½
Binkaru „	6	23
Pindari peak	5	½
Kaphini „	5	½
Kuntela „	5	½
Untadhura	½	7
Balamdhura	½	5
Milandhura	*Nil*	4⅔

SUMMARY.

16 (*a*) Snow fell on three or four occasions during the month on the middle and higher ranges of the western Himalayas, but the amounts received were light and did not affect appreciably the previous accumulations.

(*b*) As far as can be judged from the available information the unmelted residue of the accumulations was of about normal depth except locally in the Afghan hills where it was somewhat thicker than usual.

HEM RAJ.

Table A.—Abstract of observations taken at 10 hrs. and 16 hrs. at 13 stations in India, etc., in June, 1915.

Table

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

Number of sub-division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure. 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
	III.—Bengal.																					
5	Calcutta . .	21	29·630	29·536	·094	29·589	+·040	29·555	91·2	79·4	11·8	95·0	74·3	20·7	86·5	87·0	85·0	+0·5	76·8	81·1	81·1	79·6
	VI.—Punjab.																					
11	Lahore . . .	702	28·861	28·758	·103	28·801	+·028	29·437	108·1	81·8	26·3	117·4	73·2	44·2	97·9	105·6	94·6	+1·6	71·9	76·7	77·8	75·5
	IX.—Rajputana.																					
18	Jaipur . . .	1,421	28·181	28·073	·108	28·126	—·007	29·430	106·9	83·2	23·7	113·5	76·5	37·0	96·8	103·7	93·8	+3·2	70·7	75·6	75·4	73·9
	X.—Bombay.																					
25	Bombay . .	37	29·706	29·628	·078	29·668	—·005	29·645	89·5	81·1	8·4	94·2	76·4	17·8	85·5	86·8	84·1	+1·7	75·5	79·4	80·0	78·3
	XIV.—Mysore.																					
29	Bangalore . .	3,021	26·853	26·764	·089	26·816	—·007	29·633	85·8	67·9	17·9	95·3	63·5	31·8	78·7	81·1	75·0	+1·0	66·6	71·7	71·7	70·0
	XV.—Madras.																					
31	Pudukkottai . .	318	29·473	29·349	·124	29·411		29·650	100·3	80·1	20·2	106·0	73·9	32·1	91·6	95·1	90·2			79·0	80·2	
	Madras . .	22	29·722	29·613	·109	29·677	—·022	29·639	98·3	82·6	15·7	106·3	76·8	29·5	92·6	92·0	89·2	+0·8	76·6	79·8	81·1	79·2
	Hill stations, excluding Kashmir and Baluchistan.																					
	Sarain . . .		23·096	23·040	·056	23·063		23·025	74·5	54·6	19·9	81·4	50·0	31·4	69·7	71·9	63·7			57·4	58·5	
	Kalabagh . .																					
	Mukteswar . .	7,592	22·793*	22·723*	·070	22·751*		22·709*	72·5	57·5	15·0	80·4	49·7	30·7	65·6	68·6	64·2		53·8	58·7	59·9	57·5
	Katmandu . .	4,388	25·592	25·525	·067	25·555	+·152†	25·509	84·1	66·9	17·2	88·4	62·0	26·4	77·2	79·1	74·7	+0·8	64·0	69·4	70·7	68·0
	Kodaikanal . .	7,686	22·801	22·736	·065	22·769		22·708	67·7	54·6	13·1	74·5	52·3	22·2	64·3	62·1	61·1		51·7	58·4	58·3	56·1
	Dodabetta . .	8,539?	21·934	21·935	·049	21·956		21·893	59·0	49·9	9·1	66·3	46·7	19·6	57·2	56·7	53·7		45·9	54·1	54·6	51·5
	Extra India.																					
	Diego Garcia .																					
	Seychelles . .	15	29·968	29·891	·077	29·931	—·016†	29·870	82·7	78·8	3·9	84·5	75·5	9·0	81·1	82·1	79·6	+2·0†	71·9	75·3	75·5	74·2
	Mauritius . .	181																				

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

* Mean of 21 days.

† Departure from old normal.

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.

at 13 stations in India, etc., in June, 1915.

Vapour tension in inches of mercury.					Humidity.					Cloud.				Wind direction.											Wind steadiness.		Wind velocity.		Rainfall.		Station.	Number of sub-division.
														Total number of 10 hrs. and 16 hrs. winds from																		
From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean 10 hrs.	Mean 16 hrs.	Mean of two previous columns.	Departure from normal.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Mean wind direction.	Normal mean wind direction of month.	Average percentage.	Normal percentage.	Mean velocity in miles per diem.	Normal.	Total rainfall for the month.	Heaviest rainfall during the month.		
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
																															III.—Bengal.	
·887	·987	·981	·962	—·009	88	78	77	83	0	8·0	8·2	8·1	+0·6	4	0	3	12	12	14	13	1	1	S 22° E	S 3° W	52	59	107	104	10·64	3·12	Calcutta . .	5
																															VI.—Punjab.	
·650	·634	·576	·638	+·011	60	37	28	43	—1	0·9	1·0	0·9	—2·0	14	2	10	2	18	1	3	6	4	S 70° E	N 18° E	18	7	55	63	1·15	0·62	Lahore . .	11
																															IX.—Rajputana.	
·601	·618	527	·589	—·067	53	36	26	40	—12	1·7	4·0	2·9	—1·5	3	4	8	8	2	1	6	17	11	N 50° W	N 70° W	30	43	117	119	0·52	0·20	Jaipur . .	18
																															X.—Bombay.	
·804	·915	·930	·899	—·039	76	76	74	77	—6	6·1	6·0	6·1	—1·0	0	1	0	2	3	11	8	27	8	S 71° W	S 63° W	60	64	187	266	39·78	9·80	Bombay . .	25
																															XIV.—Mysore.	
·637	·693	·663	·672	+·049	93	71	65	78	+4	5·6	7·8	6·7		1	0	1	2	0	1	17	28	10	S 83° W	S 72° W	75	81	191	163	6·61	1·93	Bangalore . .	19
																															XV.—Madras.	
	·821	·831				56	51			3·8	6·6	5·2		6	0	1	0	4	5	13	19	12	S 77° W		57		145		0·30	0·30	Pudukkottai .	31
·835	·844	·912	·881	+·048	75	56	62	66	0	4·6	4·7	4·7	—1·5	0	0	1	2	15	9	18	13	2	S 3° W	S 37° W	55	57	141	154	1·24	0·67	Madras.	
																															Hill stations, excluding Kashmir and Baluchistan.	
	·347	·356				50	47			4·6	6·2	5·4																	4·84	1·38	Sarain.	
																															Kalabagh.	
·378	·422	·426	·408		80	69	63	71		5·9	6·2	6·1		5	4	0	4	1	0	2	44	0	N 87° W		68		149		5·18	0·83	Mukteswar.	
·563	·631	·660	·617	—·023	86	68	67	74	—2	6·3	6·9	6·6	+0·4	0	0	0	22	0	0	0	21	7	N 71° W	N 87° W	25	29	20	23	6·89	0·77	Katmandu.	
·352	·428	·449	·410		83	72	81	79		6·6	8·5	7·5		0	6	5	7	3	0	2	26	11	N 59° W		43		258		6·05	1·31	Kodaikanal.	
·267	·338	·400	·348		75	84	89	82		8·5	9·2	8·9		0	4	22	0	0	0	4	16	14	N 26° W		50		185		12·26	1·93	Dodabetta.	
																															Extra India.	
																															Diego Garcia.	
·693	·804	796	·780	—·001	70	75	73	75	—4	5·5	5·4	5·5	—1·6†	0	0	0	1	40	18	1	0	0	S 31° E	S 27° E	92	81	201	188	2·73	9·95	Seychelles.	
																															Mauritius.	

† Departure from old normal.

Table B.—Abstract of observations taken at 8 hrs. at 217 stations in India, etc., in June, 1915.

(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.

Division.	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	+·024	88·6	+0·7	76·0	+0·3	82·3	+0·5	12·6	21·0	−0·5	− 8	88	0	·897	+·003	7·3	−0·4	14·46	14·73	−0·27
Assam	+·043	86·9	−1·5	75·5	−0·3	81·2	−0·9	11·4	24·3	−0·1	+ 6	90	− 1	·887	−·023	7·0	−0·5	18·52	18·0	+0·52
Bengal	+·041	89·0	−1·1	77·3	−0·7	83·2	−0·9	11·7	23·5	−0·8	− 8	88	+ 1	·947	−·009	7·5	+0·4	16·07	14·25	+1·82
Bihar and Orissa	+·030	96·2	+1·2	79·2	+0·2	87·7	+0·7	17·1	35·3	+0·5	+ 5	78	0	·901	+·009	5·7	+0·2	5·53	8·15	−2·62
United Provinces of Agra and Oudh	+·032	102·7	+1·7	81·9	+0·2	92·3	+0·9	20·8	38·2	−0·2	+18	61	− 2	·810	+·003	3·1	−0·9	3·22	4·46	−1·24
Punjab	+·035	106·8	+1·3	82·0	+0·7	94·4	+1·0	24·8	44·0	+0·5	+16	47	− 3	·653	−·021	1·7	−0·2	1·07	1·77	−0·70
North-West Frontier Province	+·013	107·9	+3·2	80·1	−0·6	93·9	+1·3	27·7	43·7	+0·1	+ 7	49	+ 1	·666	−·007	0·9	−0·6	0·88	0·92	−0·04
Sind	+·024	104·8	+1·8	81·3	+1·5	94·6	+1·7	20·5	32·3	−0·5	+ 6	68	+ 2	·938	+·066	2·0	−1·1	0	0·52	−0·52
Rajputana	+·009	107·9	+3·4	84·7	+1·1	96·3	+2·3	23·3	37·1	−0·5	−13	47	− 8	·666	−·061	2·1	−0·7	1·10	2·10	−1·00
Bombay	+·001	95·9	+3·1	78·2	+1·1	87·1	+2·1	17·8	30·9	−1·7	− 4	74	− 3	·837	−·003	5·6	−0·7	10·57	8·67	+1·90
Central India	+·001	104·1	+4·9	81·5	+1·9	92·8	+3·4	22·7	37·9	−0·7	−15	55	− 8	·710	−·034	3·5	−1·7	4·30	4·51	−0·21
Central Provinces	−·012	103·4	+5·9	81·1	+3·2	92·3	+4·5	22·3	40·4	+0·8	−15	56	−10	·672	−·062	4·5	−1·1	6·60	7·15	−0·55
Hyderabad	−·018	99·4	+4·0	77·7	+2·4	88·6	+3·2	21·6	39·9	−0·4	− 4	64	− 7	·701	−·017	6·1	+0·2	6·75	4·89	+1·86
Mysore	−·009	85·7	+1·5	68·9	+1·1	77·3	+1·3	16·7	30·7	+0·7	− 2	83	+ 2	·688	+·032	7·1	−0·9	8·29	4·77	+3·52
Madras	−·014	94·8	+0·9	79·6	+1·5	87·2	+1·2	15·1	28·4	+1·0	− 3	73	+ 1	·853	+·043	6·0	−0·2	5·96	5·41	+0·55

Table

(2) Abstract of observations taken at 8 hrs.

Number of sub-division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches. 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	147	29·717		29·794	29·790	29th	29·626	20th	·164	80·6	86·1		75·9		81·0		10·2	89·5	18th	70·7	30th	18·6
	Mergui	65	29·797	—·004	29·793	29·861	3rd	29·718	21st	·143	77·7*	86·6*	+1·4*	73·8*	+0·2*	80·2*	+0·8*	12·8	91·7	18th	71·7	29th	20·0
	Tavoy	19	29·839	—·006	29·790	29·909	3rd & 4th	29·764	21st	·145	80·1	88·2	+3·6	76·4	+1·4	82·3	+2·5	11·8	91·6	20th	74·7	25th	16·9
	Moulmein	94	29·754	+·029	29·786	29·835	4th	29·679	21st	·156	78·4	87·3	+2·6	75·6	+0·7	81·4	+1·7	11·7	91·5	20th	72·5	18th	19·0
	Rangoon	18	29·804	+·028	29·759	29·901	4th	29·734	21st	·167	80·9	87·8	+1·5	76·4	—0·2	82·1	+0·7	11·4	92·2	1st	73·5	26th	18·7
	Bassein	27?	29·767	+·013	29·730	29·870	3rd	29·687	22nd	·183	81·0	87·9	+1·6	77·9	+1·4	82·9	+1·5	10·0	94·4	1st	74·0	28th	20·4
	Diamond Island	41	29·744	+·006	29·720	29·858	3rd	29·651	22nd	·207	83·0	87·2	+1·7	79·3	+2·5	83·2	+2·1	7·9	90·6	1st & 2nd	75·0	25th	15·6
	Toungoo	164	29·647	+·036	29·753	29·733	4th	29·546	30th	·187	80·7	90·4	+1·4	75·5	+0·1	83·0	+0·7	14·9	94·9	10th	71·6	11th	23·3
	Kyaukpyu	18	29·734		29·692	29·864	3rd	29·586	29th	·278	81·0	87·7		75·7		81·7		12·0	92·9	23rd	73·3	18th	19·6
	Akyab	20	29·720	+·025	29·680	29·833	4th	29·574	29th	·259	81·9	87·8	+1·9	77·0	—0·9	82·4	+0·5	10·8	91·8	23rd	73·5	14th	18·4
	Minbu	*165*	29·588	+·026	29·696	29·663	3rd	29·447	30th	·216	81·9	92·3	0	77·8	+0·1	85·0	+0·1	14·5	101·7	8th	74·4	13th	27·3
	Yamethin	657	29·126	+·039	29·731	29·208	4th	28·993	30th	·215	79·9	90·5	—0·6	75·7	+0·4	83·1	—0·1	14·8	95·7	10th	71·4	6th	24·3
	Mandalay	250	29·521	+·046	29·718	29·586	12th	29·381	30th	·205	82·7	93·4	—1·3	78·1	—0·6	85·8	—0·9	15·3	98·7	9th	74·1	11th	24·6
	Monywa	*980*	29·466	+·021	29·694	29·557	12th	29·327	30th	·230	81·3	92·7	—0·6	78·5	0	85·6	—0·3	14·2	99·4	9th	73·4	1st & 16th.	26·0
	Lashio	*2,820*	26·994	+·013	26·940	27·059	11th	26·878	29th	·181	73·4	83·4	—1·1	70·0	+0·4	76·7	—0·3	13·4	86·3	7th	67·0	10th	19·3
	Bhamo	*381*	29·385	+·056	29·639	29·483	12th	29·247	30th	·236	77·9	89·5	—0·5	74·1	—0·7	81·8	—0·6	15·4	94·0	7th	71·0	2nd	23·0
	Myitkyina	458	29·264	+·029	29·681	29·373	12th	29·126	29th & 30th	·247	76·9	87·2	—0·5	74·4	—0·9	80·8	—0·7	12·8	94·2	18th	72·0	4th, 7th & 11th.	22·2
	II.—Assam.																						
4	Dibrugarh	353	29·351	+·026	29·667	29·435	11th	29·168	29th	·267	76·8	84·7	—2·4	73·7	—0·2	79·2	—1·3	11·0	93·6	18th	67·5	10th	26·1
	Sibsagar	333	29·394	+·048	29·685	29·497	3rd	29·225	29th	·272	78·4	86·0	—2·8	75·4	—0·9	80·7	—1·9	10·6	93·6	18th	70·0	3rd	23·6
	Tezpur	252	29·458	+·048	29·668	29·562	12th	29·274	29th	·288	79·2	87·5	—1·0	75·5	—1·1	81·5	—1·1	12·0	94·6	18th	71·8	9th	22·8
	Gauhati	195	29·515	+·045	29·666	29·637	3rd	29·335	29th	·302	80·7	88·5	—0·7	76·2	0	82·3	—0·3	12·3	95·8	24th	71·1	7th	24·7
	Dhubri	115	29·577	+·049	29·646	29·693	12th	29·396	29th	·297	80·1	85·0	—0·9	76·8	+0·7	80·9	—0·1	8·2	92·7	24th	71·2	7th	21·5
	Silchar	104	29·628	+·045	29·685	29·722	2nd	29·453	29th	·269	79·8	88·0	—1·2	76·1	0	82·0	—0·6	11·9	94·7	28th	69·7	8th	25·0
	Srimangal		29·608‡		29·623‡	29·718	2nd	29·443	28th	·275	77·7	88·7	—1·4	74·9	—0·5	81·8	—0·9	13·8	95·5	23rd	69·2	1st	26·3
	III.—Bengal.																						
5	Cox's Bazar	36	29·677		29·658	29·778	4th	29·522	27th	·256	79·7	87·6		75·6		81·6		12·0	93·3	24th	71·9	1st	21·4
	Chittagong	37	29·629	+·040	29·661	29·727	2nd	29·457	28th	·270	81·0	87·0	+0·2	75·9	—1·0	81·4	—0·4	11·1	91·9	24th	69·1	1st	22·8
	Noakhali	43	29·666	+·048	29·656	29·787	12th	29·492	27th	·295	81·3	86·9	—0·3	77·1	—0·1	82·0	—0·2	9·8	91·8	24th	69·3	6th	22·5
	Barisal	12	29·672	+·046	29·631	29·770	12th	29·494	27th	·276	82·3†	88·3	—0·5	77·0	—1·2	82·7	—0·9	11·3	92·7	4th	70·5	1st	22·2
	Narayanganj	26	29·658	+·042	29·633	29·777	12th	29·485	30th	·292	81·2	87·5	—1·6	76·6	—1·6	82·1	—1·6	10·9	92·1	4th	71·8	1st	20·3
	Mymensingh	63	29·634	+·044	29·649	29·742	12th	29·459	28th	·283	79·7	85·7	—1·7	76·7	—0·2	81·2	—0·9	9·0	91·3	24th	71·1	1st	20·2
	Bogra	75	29·604	+·046	29·631	29·726	12th	29·407	28th	·319	80·3	87·7	—1·8	76·5	—0·7	82·1	—1·3	11·2	93·5	24th	67·3	7th	26·2
	Dinajpur	123	29·536	+·037	29·613	29·654	12th	29·323	28th	·331	80·7	88·4	—1·1	77·2	+0·1	82·8	—0·5	11·2	94·3	19th & 24th.	70·0	9th	24·3
	Jalpaiguri	223	29·412	+·049	29·651	29·530	12th	29·230	29th	·300	80·3	89·1	+0·8P	75·8	+0·1	82·5	+0·5P	13·3	94·7	24th	70·2	6th	24·5
	Saugor Island	25	29·632	+·039	29·586	29·729	3rd	29·476	27th	·253	84·6	89·6	—0·9	79·9	—1·7	84·7	—1·3	9·7	91·7	7th	73·2	1st	18·5
	Midnapore	149	29·477	+·025	29·573	29·574	13th	29·327	27th	·247	84·1	92·4	—0·7	79·1	+0·1	86·2	—0·3	14·3	102·6	6th & 8th.	73·7	3rd	28·9
	Calcutta	21	29·622	+·037	29·590	29·726	3rd	29·459	27th	·267	83·5	91·2	—0·3	79·2	+0·4	85·2	+0·1	12·0	95·0	9th	74·3	1st	20·7

* Mean of 19 days. † Mean of 22 days.

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

‡ Mean of 21 days.

B.

at 217 stations in India, etc., in June, 1915.

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, 1915.	Normal rainfall for period, 1st May to 30th June.	Departure from normal of period, 1st May to 30th June, 1915.	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.
5	1	5	10	5	1	0	1	2	N 84° E		4·0			49		86		·901		7·0		19			18·67			35·36			5·17	Victoria Point.
29	0	0	0	1	0	0	0	0	S 45° E	S 79° W	0·9	1·3	−0·4	3	−54	96*	+ 4	·908*	+·010	4·6	−1·6	17	24·3	−7·3	16·01	29·29	−13·28	30·56	47·49	−16·93	3·73	Mergui.
8	3	2	5	7	3	2	0	0	S 63° E	S 55° W	1·9	1·5	+0·4	37	+22	88	− 4	·908	+·021	5·2	−2·1	18	25·6	−7·6	19·26	42·67	−23·41	51·55	68·16	−16·61	3·27	Tavoy.
0	2	1	4	5	9	6	2	1	S 5° E	S 14° E	6·7	2·7	+4·0	43	− 9	93	+ 1	·907	+·019	8·6	+0·4	22	25·8	−3·8	17·61	35·52	−17·91	47·80	56·41	− 8·61	2·45	Moulmein.
2	0	3	7	3	11	4	0	0	S 32° E	S 37° W	3·8	3·7	+0·1	53	−14	91	− 1	·952	+·024	9·6	+0·9	28	22·8	+5·2	21·41	17·57	+ 3·84	39·93	29·80	+10·13	1·86	Rangoon.
9	1	0	3	8	3	4	2	0	S 20° E	S 13° W	3·5	3·4	+0·1	37	−22	92	0	·980	+·037	8·0	+0·7	17	23·8	−6·8	16·77	22·99	− 6·22	35·41	33·26	+ 2·15	2·22	Bassein.
3	0	1	2	5	8	9	2	0	S 7° W	S 39° W	8·1	7·0	+1·1	56	−14	84	0	·944	+·023	7·9	−0·2	20	21·0	−1·0	24·64	23·77	+ 0·87	38·48	34·93	+ 3·55	3·66	Diamond Island.
4	0	1	0	11	13	1	0	0	S 20° E	S 32° E	3·0	3·7	−0·7	72	−13	87	− 2	·908	−·019	8·5	−0·1	16	20·7	−4·7	11·43	14·35	− 2·92	26·09	21·33	+ 4·76	3·27	Toungoo.
3	0	1	15	7	2	2	0	0	S 68° E		3·8			69		90		·947		9·1		23			39·35			61·21			7·27	Kyaukpyu.
2	0	2	8	9	5	3	1	0	S 46° E	S 48° E	3·7	2·8	+0·9	59	+ 7	92	− 1	·995	+·024	5·6	−3·1	24	23·9	+0·1	53·35	45·06	+ 8·29	87·68	56·68	+31·00	6·70	Akyab.
0	0	0	0	30	0	0	0	0	S 45° E	S 48° E	3·0	8·5	−5·5	36	+25	81	− 2	·866	−·021	5·5	−1·1	10	9·8	+0·2	5·28	5·55	− 0·27	13·52	10·55	+ 2·97	1·92	Minbu.
6	1	1	1	10	11	0	0	0	S 28° E	S 29° E	2·8	7·2	−4·4	59	−27	82	− 1	·833	−·018	5·1	−1·7	11	8·8	+2·2	8·11	5·09	+ 3·02	17·62	11·24	+ 6·38	2·32	Yamethin.
3	0	0	1	12	14	0	0	0	S 22° E	S 1° W	5·0	6·4	−1·4	79	+ 7	79	+ 3	·873	+·004	4·5	−1·1	9	7·0	+2·0	6·31	5·38	+ 0·93	17·01	11·03	+ 5·98	1·70	Mandalay.
0	0	2	5	16	3	1	0	3	S 52° E		2·7			59		84	+ 3	·888	−·001	8·2	0	8	5·9	+2·1	8·19	4·63	+ 3·56	16·68	10·57	+ 6·11	4·56	Monywa.
11	2	2	0	0	2	12	0	1	N 51° W		2·3			33		87	0	·717	−·013	9·3	+1·6	17	16·0	+1·0	9·20	10·87	− 1·67	24·80	16·92	+ 7·88	2·18	Lashio.
24	2	1	0	0	0	2	0	1	N 34° W	N 81° W	1·5	1·8	−0·3	7	− 3	92	+ 2	·877	−·015	8·4	+0·6	19	19·1	−0·1	11·28	14·41	− 3·13	25·34	20·21	+ 5·13	2·31	Bhamo.
28	0	0	0	1	1	0	0	0	S 24° E		0·9			7		91	+ 1	·842	−·024	7·9	−1·1	19	19·6	−0·6	22·14	13·91	+ 8·23	40·36	19·33	+21·03	4·90	Myitkyina.
																																II.—Assam.
22	1	1	3	0	0	1	2	0	N 45° E		0·3			3		92	0	·843	−·031	7·4	−0·4	21	20·1	+0·9	20·63	18·97	+ 1·66	35·85	28·19	+ 7·66	3·15	Dibrugarh.
3	8	5	3	1	2	4	1	3	N 9° E	N 70° E	2·5	2·0	+0·5	27	+ 2	91	− 1	·889	−·012	8·4	−0·3	18	17·0	+1·0	11·64	14·20	− 2·56	35·02	25·97	+ 9·05	2·63	Sibsagar.
9	0	2	14	3	0	0	1	1	E		1·8			53		90	− 1	·899	−·005	8·1	+0·6	15	16·1	−1·1	10·64	11·35	− 0·71	25·18	19·60	+ 5·58	2·25	Tezpur.
28	0	1	0	1	0	0	0	0	E		1·4			5		86	− 3	·895	−·015	7·8	−0·3	17	16·6	+0·4	16·83	14·73	+ 4·10	37·73	24·18	+13·55	4·90	Gauhati.
9	0	9	9	1	1	0	1	0	N 73° E	N 77° E	3·9	4·2	−0·3	53	+ 9	89	− 2	·912	+·006	6·8	−1·1	17	18·2	−1·2	16·51	24·20	− 7·69	48·31	39·14	+ 9·17	4·47	Dhubri.
24	0	2	3	0	0	0	0	1	N 60° E	N 85° E	1·6	2·0	−0·4	13	+ 8	89	0	·900	−·023	6·5	−1·4	20	21·1	−1·1	28·58	22·27	+ 6·31	61·24	37·49	+23·85	6·31	Silchar.
																91	+ 3	·869	−·052	3·7		25	20·0	+5·0	30·84	17·30	+13·54	63·35	30·29	+33·16	3·96	Srimangal.
																																III.—Bengal.
7	0	0	2	18	3	0	0	0	S 43° E		3·5			69		91		·919		6·6		27			27·42			42·15			3·92	Cox's Bazar.
7	0	2	10	8	2	1	0	0	S 68° E	S 44° E	2·3	5·1	−2·8	56	−18	87	+ 1	·917	+·002	6·8	−0·5	22	16·0	+6·0	25·02	20·39	+ 4·63	43·00	29·70	+13·30	6·68	Chittagong.
2	0	0	4	19	4	1	0	0	S 43° E		3·4			80		88	0	·942	−·013	6·1	+0·4	22	18·4	+3·6	26·68	20·98	+ 5·68	43·19	32·64	+10·55	5·24	Noakhali.
11	0	2	1	2	12	2	0	0	S 10° E	S 17° E	2·4	3·2	−0·8	43	+ 2	87†	0	·956†	−·035	8·4	+1·0	21	16·6	+4·4	15·29	15·38	− 0·09	24·44	24·27	+ 0·17	1·68	Barisal.
7	0	0	7	8	4	2	1	1	S 43° E	S 32° E	2·7	5·5	−2·8	46	−24	87	− 2	·929	−·053	8·6	+0·2	21	14·2	+6·8	24·93	12·62	+12·31	38·07	21·56	+16·51	3·69	Narayanganj.
16	0	0	5	9	0	0	0	0	S 61° E	S 61° E	1·9	2·9	−1·0	43	−24	91	+ 2	·927	−·010	9·0	+1·1	27	18·3	+8·7	28·04	18·74	+ 9·30	47·05	31·77	+15·28	3·66	Mymensingh.
13	1	2	9	2	1	2	0	0	S 82° E	S 66° E	1·8	2·9	−1·1	23	−34	91	+ 4	·941	+·003	8·5	+1·9	18	14·3	+3·7	22·20	13·23	+ 8·97	34·97	21·57	+13·40	4·74	Bogra.
0	0	6	16	7	1	0	0	0	S 86° E	S 78° E	3·9	3·2	+0·7	82	+ 8	88	− 1	·925	+·002	6·5	−1·4	13	13·7	−0·7	10·96	13·69	− 2·73	24·39	21·18	+ 3·21	1·87	Dinajpur.
30	0	0	0	0	0	0	0	0	Calm.	S 86° E	1·4			(a)		89	0	·923	+·023	4·1	−1·6	15	17·9	−2·9	12·18	23·68	−11·50	23·61	35·07	−11·46	2·38	Jalpaiguri.
0	1	2	2	2	11	10	1	0	S 9° W		11·1			53	− 6	86	+ 3	1·021	−·006	7·6	−0·5	12	11·9	+0·1	9·26	10·53	− 1·27	13·77	15·01	− 1·24	1·87	Saugor Island.
1	0	3	2	10	11	1	1	1	S 29° E		4·1			60		83‡	+ 1	·962‡	+·017	5·9	+1·5	14	12·7	+1·3	8·60	9·74	− 1·14	11·02	14·79	− 3·77	3·10	Midnapore.
3	0	0	4	8	5	9	0	1	S 9° E	S 4° E	4·5	4·3	+0·2	53	+ 5	86	+ 1	·987	+·006	8·4	+1·2	14	12·8	+1·2	10·64	11·43	− 0·79	16·29	17·17	− 0·88	3·12	Calcutta.

* Mean of 19 days. † Mean of 22 days. ‡ Mean of 29 days. (a) Indeterminate.

Table

(2) Abstract of observations taken at 8 hrs.

Number of sub-division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	III.—Bengal—*concld.*																						
	Jessore	32	29·637	+·051	29·613	29·737	11th	29·460	28th	·277	82·7	89·8	−1·5	77·7	−1·0	83·8	−1·3	12·1	95·5	4th	69·3	1st	26·2
	Burdwan	99	29·534	+·034	29·581	29·628	10th & 13th.	29·360	28th	·268	82·0	91·8	−2·1	77·5	−1·7	84·5	−1·9	14·1	100·0	6th	70·2	9th	29·8
	Berhampore	67	29·581	+·042	29·597	29·696	12th	29·399	28th	·297	81·8	91·0	−1·4	78·2	−0·2	84·6	−0·8	12·8	97·6	7th	73·2	1st & 11th.	24·4
	IV.—Bihar and Orissa.																						
6	Balasore	50	29·579	+·030	29·573	29·663	13th & 17th.	29·447	28th	·216	83·7	93·8	+0·7	78·5	−0·5	86·1	+0·1	15·3	105·6	8th	68·6	8th	37·0
	Hukitala (False Point)	29	29·615	+·025	29·585	29·716	3rd	29·492	27th	·224													
	Cuttack	30	29·568	+·037	29·589	29·655	17th	29·450	26th	·205	86·0	97·0	+1·2	80·5	+0·4	88·7	+0·8	16·5	107·7	1st	74·2	11th	33·5
	Puri	24	29·622	+·024	29·587	29·731	3rd	29·491	25th	·240	84·8	90·3	+1·1	82·6	+1·7	86·4	+1·4	7·7	96·8	23rd	73·8	11th	23·0
	Angul	455	29·170	+·020	29·565	29·258	17th	29·048	25th	·210	85·0	99·1	+3·9	80·1	+1·6	89·6	+2·7	19·0	111·3	1st	71·0	13th	40·3
	Sambalpur	486	29·131	+·007	29·557	29·217	17th	28·993	25th	·224	87·0	102·5	+4·6	81·7	+0·7	92·1	+2·7	20·8	114·0	1st	74·5	13th	39·5
7	Chaibasa	*733*	28·875	+·021	29·550	28·969	17th	28·737	27th	·232	83·7	98·9	+4·6	79·3	+1·8	89·1	+3·2	19·6	113·2	7th	71·7	10th	41·5
	Ranchi	2,128	27·534	+·040	29·548	27·632	18th	27·362	27th	·270	80·6	93·3	+1·0	76·2	+0·7	84·8	+0·9	17·1	109·1	7th	71·2	10th	37·9
	Purulia	*816*	28·821†	+·055†	29·578†	28·929	10th	28·669	27th	·260	82·9	96·8	−0·6	78·1	−0·7	87·4	−0·7	18·7	111·9	8th	68·9	2nd	43·0
	Daltonganj	*730*	28·867	+·023	29·534	28·985	17th	28·704	27th	·281	87·1	104·2	+3·4	82·2	+1·1	93·2	+2·3	22·0	114·6	1st	72·5	29th	42·1
8	Purnea	131	29·533	+·043	29·609	29·639	12th	29·333	28th	·306	81·2	89·9	−2·0	77·0	−0·4	83·5	−1·2	12·9	96·5	19th	68·3	1st	28·2
	Monghyr	155	29·463		29·570	29·597	13th	29·301	29th	·296	83·8	91·8		77·9		86·3		16·9	102·4	23rd	69·9	9th	32·5
	Darbhanga	165	29·470	+·036	29·588	29·603	13th	29·303	29th	·300	82·5	91·3	−1·1	77·4	−1·6	84·3	−1·3	13·9	98·3	16th	71·2	4th	27·1
	Pusa	188	29·441		29·583	29·579	13th	29·275	29th	·304	83·7	95·4		76·5		86·0		18·7	101·2	16th	70·1	4th	31·1
	Patna	183	29·416	+·019	29·553	29·557	13th	29·252	27th & 29th.	·305	83·6	95·4	−0·9	79·3	−0·7	87·4	−0·8	16·1	103·1	8th	70·6	4th	32·5
	Buxar	239	29·358	+·031	29·549	29·492	13th	29·174	27th	·318	85·7	99·5	+1·3	80·6	−0·1	90·0	+0·6	18·9	111·3	9th	70·1	11th	41·2
	Gaya	372	29·224	+·036	29·542	29·366	13th	29·069	27th	·297	86·1	100·2	+0·4	81·3	+0·6	90·7	+0·5	18·9	111·5	9th	72·7	11th	38·8
	Naya Dumka	489	29·137	+·036	29·578	29·235	12th	28·973	28th	·262	82·5	93·4	−0·3	76·6	−1·7	85·0	−1·0	16·8	102·6	7th	71·0	1st & 10th.	31·6
	V.—United Provinces of Agra and Oudh.																						
9	Gorakhpur	257	29·359	+·038	29·571	29·502	11th & 13th.	29·190	29th	·312	85·7	98·1	+1·1	79·5	+0·1	88·8	+0·6	18·6	105·6	1st	70·3	17th	35·3
	Benares	267	29·332	+·039	29·547	29·457	11th	29·157	27th	·300	88·1	101·8	+1·0	81·5	−0·5	91·7	+0·3	20·3	112·6	9th	72·8	10th	39·8
	Allahabad	309	29·272	+·024	29·530	29·400	11th	29·120	27th	·280	89·5	104·0	+1·4	82·9	0	93·4	+0·7	21·1	114·2	1st & 5th	78·5	30th	35·7
	Cawnpore	416	29·180	+·041	29·544	29·324	11th	29·029	29th	·295	88·6	103·5	+1·8	82·9	+0·5	93·2	+1·1	20·6	114·6	5th	77·9	18th	36·7
	Lucknow	368	29·229	+·040	29·547	29·378	11th	29·073	29th	·305	89·5	103·1	+1·6	82·2	+0·7	92·6	+1·1	20·9	112·6	9th	74·2	10th	38·4
	Bahraich	401	29·188	+·024	29·549	29·359	11th	29·023	29th	·336	86·1	100·1	+1·6	80·3	+0·5	90·2	+1·1	19·8	108·9	9th	74·8	10th	34·1
10	Jhansi	824	28·775	+·009	29·528	28·897	17th	28·620	30th	·277	93·1	107·3	+3·5	85·6	+0·6	96·4	+2·1	21·7	117·4	10th	74·6	27th	42·8
	Agra	556	29·030	+·026	29·528	29·163	12th	28·874	30th	·289	93·2	106·1	+1·7	84·6	−0·3	95·4	+0·7	21·5	114·4	10th	77·4	18th	37·0
	Mainpuri	516	29·066	+·026	29·527	29·206	11th	28·906	30th	·300	90·5	106·1	+2·5	83·2	+0·5	94·6	+1·5	22·9	117·0	5th	75·3	18th	41·7
	Bareilly	568	29·033	+·041	29·552	29·186	12th	28·874	29th	·312	87·0	100·7	+0·4	80·1	−0·1	90·4	+0·1	20·6	112·1	5th	74·0	6th & 15th	38·1
	Roorkee	899	28·712	+·048	29·558	28·876	12th	28·568	29th & 30th.	·308	86·5	99·0	−1·7?	77·8	−1·1	88·4	−1·4?	21·2	110·0	5th	69·0	17th	41·0
	VI.—Punjab.																						
11	Delhi	718	28·878	+·040	29·542	29·029	12th	28·639	30th	·330	89·5	104·5	+1·0	83·0	−0·8	93·8	+0·1	21·6	113·0	4th & 5th.	75·8	18th	37·2
	Hissar	662	28·848	+·039	29·517	29·027	12th	28·645	30th	·382	90·7	107·9	+1·0	82·0	−1·6	95·0	−0·3	25·9	115·5	1st	72·2	14th	43·3

† Mean of 25 days.

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

B—*continued.*

at 217 stations in India, etc., in June, 1915—*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 June, 1915.	Normal rainfall for period, 1st May to 30th June.	Departure from normal of period, 1st May to 30th June, 1915.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																III.—Bengal—*concld.*
11	0	1	2	6	10	0	0	0	S 27° E	S 27° E	3·9	3·3	+0·6	49	− 3	85	− 3	·953	−·052	8·1	+0·5	18	14·2	+ 3·8	10·85	12·33	− 1·48	22·17	20·38	+ 1·79	1·73	Jessore.
9	0	2	2	8	6	2	0	1	S 33° E	S 4° E	2·4	3·6	−1·2	43	− 1	87	+ 4	·955	+·005	8·4	+0·9	13	12·4	+ 0·6	13·14	9·59	+ 3·55	18·72	15·95	+ 2·77	3·59	Burdwan.
5	0	2	12	5	5	1	0	0	S 64° E	S 36° E	3·3	3·4	−0·1	59	+ 7	87	0	·949	−·018	8·3	+0·9	14	11·8	+ 2·2	10·26	9·33	+ 0·93	24·86	14·57	+10·29	3·48	Berhampore.
																																IV.—Bihar and Orissa.
5	0	1	3	0	9	11	1	0	S 17° W	S 32° W	3·6	5·3	−1·7	56	− 3	84	+ 3	·969	+·017	6·0	+0·7	12	11·1	+ 0·9	7·34	9·66	− 2·32	10·87	14·41	− 3·54	1·47	Balasore.
2	0	1	0	1	7	13	3	1	S 36° W		14·4			67						6·8	−1·0	11	9·7	+ 1·3	3·41	8·42	− 5·01	7·25	12·77	− 5·52	0·49	Hukitala (False Point).
7	0	0	2	3	6	10	2	0	S 18° W	S 47° W	3·2	2·9	+0·3	53	− 6	78	0	·963	+·039	6·9	0	11	11·2	− 0·3	8·84	9·84	− 1·00	16·10	13·83	+ 2·27	3·77	Cuttack.
3	1	1	0	1	11	12	1	0	S 23° W		16·7			70		85	0	1·014	+·012	7·5	+1·3	4	7·6	− 3·6	2·77	7·03	− 4·26	7·11	9·76	− 2·35	0·92	Puri.
6	1	7	3	7	1	0	2	3	N 77° E		5·3			30		78	0	·939	+·060	6·9	+1·2	10	13·6	− 3·6	4·74	8·09	− 3·35	6·96	9·63	− 2·67	1·12	Angul.
0	1	8	2	0	1	11	6	1	S 78° W	S 23° W	4·2	3·8	+0·4	23	−35	63	− 6	·788	−·051	6·5	+0·1	7	10·7	− 3·7	2·41	10·36	− 7·95	3·06	11·67	− 8·61	0·82	Sambalpur.
13	0	2	2	1	1	8	2	1	S 39° W	S 52° W	2·7	2·1	+0·6	23	−18	76	− 2	·857	+·011	5·8	+0·3	9	11·2	− 2·2	4·53	8·46	− 3·93	5·74	11·80	− 6·06	1·37	Chaibasa.
1	0	1	3	7	6	9	3	0	S 3° W	S 42° W	4·2	6·4	−2·2	56	+12	73	+ 1	·742	+·002	5·4	−0·4	12	11·6	+ 0·4	9·48	9·13	+ 0·35	10·54	11·42	−0·88	3·55	Ranchi.
6	0	9	3	4	4	3	0	1	S 77° E		2·8			30		79	0	·886	+·007	5·7	+0·7	12	10·1	+ 1·9	3·44	7·42	− 3·98	7·20	10·16	− 2·96	0·82	Purulia.
21	2	4	2	0	0	0	1	0	N 39° E		4·2			23		61	− 5	·775	−·029	3·0	−1·1	4	8·8	− 4·8	0·91	5·67	− 4·76	1·30	6·18	− 4·88	0·31	Daltonganj.
1	0	3	21	4	1	0	0	0	S 86° E	N 84° E	3·3	2·9	+0·4	86	+20	89	+ 2	·946	+·014	7·6	+1·1	11	11·8	− 0·8	8·45	11·07	− 2·62	15·44	15·52	− 0·08	2·21	Purnea.
0	0	3	17	7	2	0	0	1	S 80° E		7·3			77		81		·929		5·4		12			7·59			10·37			1·68	Monghyr.
0	0	7	19	3	1	0	0	0	N 86° E	S 75° E	6·7	4·4	+2·3	86	+ 9	84	+ 1	·937	+·010	5·3	−0·3	8	9·0	− 1·0	8·37	8·29	+ 0·08	11·84	11·15	+ 0·69	3·58	Darbhanga.
1	0	2	24	3	0	0	0	0	S 88° E		4·3			90		82		·935		5·3		7			5·07			7·06			2·09	Pusa.
1	0	0	29	0	0	0	0	0	E	S 87° E	7·2	4·1	+3·1	97	+34	79	+ 2	·941	+·023	5·3	−0·1	7	7·7	− 0·7	5·58	7·87	− 2·29	5·67	9·53	− 3·56	2·81	Patna.
0	1	2	17	6	2	1	1	0	S 77° E		4·9			70		71	0	·870	+·015	4·9	0	4	7·4	− 3·4	3·22	5·32	− 2·10	3·28	5·99	− 2·71	1·25	Buxar.
9	0	6	11	2	2	0	0	0	S 87° E	S 66° E	4·9	3·6	+1·3	56	+33	73	0	·906	−·008	2·5	−2·6?	8	7·9	+ 0·1	4·61	7·26	− 2·65	6·51	8·29	− 1·78	1·92	Gaya.
7	0	1	4	9	9	0	0	0	S 37° E		3·3			62		84	+ 4	·915	+·013	6·4	+0·8	10	11·7	− 1·7	9·44	9·45	−0·01	14·24	12·72	+ 1·52	2·25	Naya Dumka.
																																V.—United Provinces of Agra and Oudh.
0	0	5	25	0	0	0	0	0	N 83° E	N 81° E	5·7	2·3	+3·4	96	+46	74	− 4	·903	−·007	2·1	−2·7	5	8·5	− 3·5	2·03	7·96	− 4·93	3·80	9·38	− 5·58	1·32	Gorakhpur.
5	0	3	10	8	0	1	1	2	S 79° E	S 89° E	3·5	3·8	−0·3	49	+29	67	− 1	·863	+·013	3·7	−1·1	6	6·0	0	4·31	5·19	− 0·88	4·31	5·70	− 1·39	2·75	Benares.
5	2	9	11	1	1	0	1	0	N 69° E	N 46° E	4·6	5·8	−1·2	59	+46	60	0	·820	+·027	4·5	−0·4	5	5·4	− 0·4	2·48	4·92	− 2·44	2·48	5·18	− 2·70	1·21	Allahabad
5	1	6	7	8	1	1	0	1	S 84° E	S 59° E	2·7	4·0	−1·3	49	+27	64	+ 3	·844	+·050	1·6	−1·9	4	4·7	− 0·7	3·27	3·21	+ 0·06	3·27	3·49	− 0·22	1·92	Cawnpore.
8	0	2	17	0	2	1	0	0	S 86° E	S 89° E	2·6	3·1	−0·5	59	+23	62	− 3	·846	+·033	3·2	−1·3	3	5·7	− 2·7	1·20	4·65	− 3·45	2·45	5·53	− 3·08	0·55	Lucknow.
12	0	1	12	5	0	0	0	0	S 80° E	S 69° E	0·3	3·6	−3·0	53	− 7	64	−10?	·797	−·100?	1·3	−2·4	6	7·3	− 1·3	3·08	6·27	− 3·19	5·24	7·80	− 2·53	1·51	Bahraich.
2	1	4	10	2	0	4	4	3	N 72° E	N 89° W	5·6	4·0	+1·6	17	−14	47	− 9	·671	−·108	3·0	0	4	5·8	− 1·8	3·11	4·87	− 1·76	3·20	5·22	− 2·02	1·20	Jhansi
8	1	2	7	4	0	2	4	2	S 84° E	S 16° W	4·3	4·7	−0·4	15	−11	49	− 5	·745	+·004	3·8	+0·6	4	4·0	0	1·72	2·51	− 0·79	1·87	2·99	− 1·12	0·64	Agra.
6	0	4	9	6	1	1	3	0	S 76° E	N 80° E	2·7	2·1	+0·6	40	+24	56	− 3	·783	+·005	3·3	−1·2	3	4·4	− 1·4	0·70	2·94	− 2·24	0·88	3·27	− 2·39	0·15	Mainpuri.
5	1	1	12	8	1	1	0	1	S 74° E	S 56° E	1·5	3·1	−1·6	56	+15	73	+ 6	·930	+·119?	4·9	+1·3	3	5·4	− 2·4	1·27	5·42	− 4·15	1·37	6·12	− 4·75	0·65	Bareilly.
11	0	0	0	19	0	0	0	0	S 45° E	S 41° E	2·2	2·6	−0·4	59	+18	58	− 1	·708	+·009	2·6	−0·5	4	5·5	− 1·5	2·93	5·10	− 2·17	4·36	5·93	− 1·57	1·48	Roorkee.
																																VI.—Punjab.
2	0	1	2	14	3	2	5	1	S 23° E	S 44° E	5·0	3·6	+1·4	46	+33	51	− 2	·699	−·002	1·4	−2·6?	3	4·2	− 1·2	1·33	3·10	− 1·77	1·36	3·73	− 2·37	0·65	Delhi.
1	1	0	8	6	7	4	3	0	S 26° E	S 27° W	5·9	5·2	+0·7	46	+20	54	+ 5	·763	+·059	2·8	0	5	2·9	+ 2·1	1·83	1·65	+ 0·18	1·97	2·26	− 0·29	1·12	Hissar.

* 2 winds less.

Table

(2) Abstract of observations taken at 8 hrs.

Number of sub-division.	Station.	Elevation of bar-cistern above sea-level in feet.	Pressure, 8 hrs., in inches. 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
	VI.—Punjab—*concld.*																						
	Patiala	*818*	28·771	+·031	29·536	28·959	12th	28·584	30th	·375	88·7	104·1	+1·6	81·3	+0·4	92·7	+1·0	22·8	112·2	9th	72·0	14th	40·2
	Ambala	892	28·699	+·038	29·537	28·902	12th	28·521	30th	·381	88·1	103·8	+0·8	80·1	−0·1	92·0	+0·3	23·7	113·7	5th	72·3	15th	41·4
	Ludhiana	812	28·775	+·049	29·537	28·959	12th	28·565	30th	·394	87·6	106·0	+0·9	81·2	+0·1	93·6	+0·5	24·8	116·3	10th	73·6	27th	42·7
	Lahore	702	28·856	+·036	29·510	29·018	17th	28·635	30th	·383	90·8	108·1	+0·7	81·8	+1·7	95·0	+1·2	26·3	117·4	10th	73·2	16th	44·2
	Sialkot	830	28·732	+·033	29·512	28·921	12th	28·539	30th	·382	89·0	104·0	−1·9P	79·6	−1·3	91·8	−1·6P	24·4	115·2	10th	69·8	18th	45·4
	Rawalpindi	1,674	27·834	+·038	29·512	28·122	17th	27·730	30th	·392	89·4	105·8	+2·3	77·4	+2·0	91·6	+2·1	28·4	115·3	10th	67·8	17th	47·5
12	Khushab	612	28·938	+·032	29·502	29·124	12th	28·715	30th	·409	93·3	108·4	+0·9	83·7	+1·3	95·1	+1·1	24·7	122·6	11th	71·9	16th	50·7
	Lyallpur	605	28·940		29·498	29·135	16th	28·696	30th	·439	91·4	107·6		81·7		94·6		25·9	116·0	10th	69·0	16th	47·0
	Montgomery	558	28·976	+·026	29·484	29·135	17th	28·747	30th	·388	94·4	110·5	+1·4	84·9	+1·0	97·7	+1·2	25·6	118·7	30th	72·5	16th	46·2
	Multan	420	29·089	+·018	29·466	29·260	17th	28·878	30th	·382	92·8	110·4	+2·1	87·1	+2·9	98·7	+2·5	23·3	117·5	3rd	75·3	16th	42·2
	VII.—North-West Frontier Province.																						
14	Peshawar	1,113	28·459	+·018	29·517	28·635	12th	28·240	30th	·395	87·6	109·1	+3·2	76·7	−0·6	92·9	+1·3	32·4	119·0	10th	71·6	16th	47·4
	Dera Ismail Khan	590	28·937	+·008	29·482	29·111	12th	28·678	30th	·433	90·6	106·6	−1·3P	83·5	+2·4	95·0	+0·5P	23·1	114·2	10th	74·1	12th	40·1
	VIII.—Sind.																						
16	Jacobabad	186	29·338	+·022	29·478	29·488	13th & 17th.	29·109	30th	·379	94·6	116·9	+3·0	87·5	+3·2	102·2	+3·1	29·4	124·7	30th	81·8	3rd & 4th	42·9
	Hyderabad	96	29·468	+·016	29·515	29·590	18th	29·291	30th	·299	88·5	106·4	+2·2	82·8	+1·1	94·6	+1·7	23·6	115·6	26th	79·2	2nd	36·4
	Karachi	13	29·612	+·035	29·576	29·755	3rd	29·477	27th	·278	85·7	91·1	+0·1	82·7	+0·3	86·9	+0·2	8·4	96·1	23rd	78·5	5th	17·6
	IX.—Rajputana.																						
17	Bikaner	*771*	28·799	+·015	29·508	28·937	17th	28·630	30th	·307	92·8	111·2	+4·1	86·0	+0·5	98·6	+2·3	25·2	115·8	9th	76·9	16th	38·9
	Jodhpur	780	28·839	+·019	29·560	28·972	3rd	28·676	30th	·296	88·2	107·2	+2·6	82·7	0	94·9	+1·3	24·5	112·8	24th	75·8	16th	37·0
18	Jaipur	1,431	28·182	−·001	29·518	28·278	17th	28·030	30th	·248	90·7	107·1	+3·1	83·2	+1·5	95·2	+2·3	23·9	113·5	9th & 10th.	76·5	15th	37·0
	Ajmer	1,611	28·038	+·016	29·546	28·131	18th	27·895	27th	·236	88·3	105·3	+4·3	83·9	+2·2	94·6	+3·3	21·4	109·9	9th	75·8	16th	34·1
	Kotah	819P	28·762	−·003	29·520	28·864	3rd	28·599	27th	·265	95·1	108·8	+2·8	87·5	+1·1	98·1	+1·9	21·3	116·0	9th	77·6	12th	38·4
	X.—Bombay.																						
19	Deesa	466	29·203	+·019	29·615	29·332	3rd	29·057	27th	·275	87·2	103·7	+4·4	81·0	+0·5	93·9	+2·5	25·7	111·8	25th	71·6	15th	40·2
	Bhuj	395	29·321	+·021	29·601	29·458	3rd	29·184	27th	·274	86·8	99·8	+2·3	80·8	+1·0	90·3	+1·7	19·0	107·2	23rd	75·0	23rd	32·2
	Jamnagar	61	29·606	+·004	29·612	29·746	3rd	29·468	30th	·278	88·4	97·7	+1·5	81·1	+1·0	89·4	+1·3	16·6	105·6	23rd	76·2	20th	29·4
	Dwarka	37P	29·648	+·013	29·631	29·790	3rd	29·501	27th	·289	84·8	90·1	+1·1	82·4	+0·5	86·2	+0·8	7·7	96·3	23rd	78·6	23rd	17·7
	Rajkot	429	29·255	+·017	29·622	29·388	3rd	29·127	27th	·261	85·9	102·9	+3·0	78·1	+0·3	90·6	+1·7	24·8	106·6	1st	74·1	20th	32·5
	Veraval	*18*	29·680	+·009	29·641	29·817	3rd	29·543	27th	·274	83·4	83·5	+0·1	80·8	−0·4P	83·7	−0·1P	5·7	92·4	22nd	77·1	26th	15·3
	Bhavnagar Para	55	29·636	+·001	29·637	29·774	3rd	29·491	28th	·283	85·9	103·0	+3·2	80·4	+0·1	91·7	+1·7	22·6	110·8	8th	74·0	26th	36·8
	Surat	39	29·668	+·001	29·650	29·788	3rd	29·537	28th	·251	85·1	94·2	+0·8	80·0	+0·4	87·1	+0·6	14·2	99·9	4th	73·5	26th	26·4
	Ahmadabad	163	29·526	+·016	29·636	29·663	3rd	29·387	27th	·276	86·8	105·4	+3·9	80·8	−0·5P	93·1	+1·7P	24·6	111·8	1st	73·4	15th	38·4
25	Bombay	37	29·703	−·007	29·680	29·828	4th	29·548	26th	·280	83·6	89·8	+1·8	81·1	+1·4	85·5	+1·6	8·7	94·2	18th	78·4	27th	17·8
	Ratnagiri	110	29·551	−·017	29·697	29·647	8th	29·430	22nd	·217	83·1	87·8	+1·0	79·4	+2·0	83·6	+1·5	8·4	92·5	3rd & 16th.	74·3	25th	18·2
	Marmagao	*60*	29·721	−·024	29·716	29·805	8th	29·616	23rd	·189	83·1	88·2	+1·5	78·9	+1·3	83·5	+1·4	9·3	94·8	16th	73·7	26th	21·1
	Karwar	44	29·766	−·004	29·744	29·842	8th	29·671	23rd	·171	78·2*	81·8*	−2·3*P	74·8*	−0·8*P	78·3*	−1·5P	7·0	84·5	20th	73·3	24th	11·2

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

* Mean of 14 days.

B—*continued.*

at 217 stations in India, etc., in June, 1915—*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 June 1915.	Normal rainfall for period, 1st May to 30th June.	Departure from normal of period, 1st May to 30th June, 1915.	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
																																VI.—Punjab—*concld.*
2	2	3	5	13	3	1	1	0	S 59° E		4·6			57		49	− 8	·659	−·035	2·6	+0·1	1	3·1	−2·1	0·43	2·20	−1·77	0·43	2·83	−2·40	0·22	Patiala.
1	1	0	20	5	2	0	1	0	S 79° E	S 61° E	4·4	1·8	+2·6	76	+24	52	− 7	·670	−·063	2·4	+0·2	2	5·0	−3·0	1·62	3·68	−2·06	2·68	4·28	−1·60	0·85	Ambala.
14	1	1	2	8	4	0	0	0	S 46° E	S 37° E	1·8	2·0	−0·2	37	0	50	0	·636	−·027	1·3	−1·0	4	3·5	+0·5	1·52	2·58	−1·06	1·52	3·18	−1·66	0·83	Ludhiana.
9	0	4	4	8	1	2	0	2	S 68° E	S 60° E	2·3	2·6	−0·3	37	+ 7	47	− 3	658	−·027	1·1	−1·3	3	2·9	+0·1	1·15	1·84	−0·69	1·15	2·51	−1·36	0·62	Lahore.
1	3	6	14	2	1	0	0	3	N 69° E	N 81° E	3·3	2·3	+1·0	59	+15	48	− 2	·643	−·036	1·6	+0·1	1	3·7	−2·7	1·50	2·56	−1·06	1·87	3·65	−1·78	1·11	Sialkot.
10	4	5	3	6	2	0	0	0	N 83° E	N 89° E	2·5	2·0	+0·5	37	+17	39	− 5	·513	−·046	3·2	+0·7	3	3·5	−0·5	0·59	2·10	−1·51	0·59	3·52	−2·93	0·18	Rawalpindi.
2	0	13	13	1	0	0	1	0	N 69° E	N 69° E	5·8	5·2	+0·6	76	+24	36	− 5	·539	−·049	1·1	−0·3	3	2·5	+0·5	1·18	1·41	−0·23	1·34	2·18	−0·84	0·65	Khushab.
4	1	3	5	9	2	5	1	0	S 46° E		3·4			43		46		·675		1·5		2	2·3	−0·3	1·03	1·50	−0·47	1·03	1·90	−0·87	0·59	Lyallpur.
4	0	2	3	10	6	3	1	1	S 30° E	S 3° W	6·7	6·9	−0·2	49	+12	34	− 6	·543	−·066	0·8	−0·5	1	1·6	−0·6	0·20	1·08	−0·88	0·48	1·44	−0·96	0·16	Montgomery.
15	1	0	0	2	10	2	0	0	S	S 3° W	1·8	2·4	−0·6	39	+ 9	55	+ 5	·834	+·111	0·5	−0·2	2	1·2	+0·8	0·53	0·59	−0·06	0·53	0·88	−0·35	0·30	Multan.
																																VII.—North-West Frontier Province.
20	10	0	0	0	0	0	0	0	N	N 6° W	1·3	3·2	−1·9	33	+11	46	+ 5	·595	+·032	1·5	−0·3	1	0·9	+0·1	0·54	0·32	+0·22	0·38	1·25	−0·37	0·54	Peshawar.
12	2	10	0	4	0	2	0	0	N 60° E	N 51° E	3·9	1·8	+2·1	30	+ 4	52	− 3	·737	−·047	0·4	−0·9	2	1·2	+0·8	0·88	0·67	+0·21	1·22	1·09	+0·13	0·44	Dera Ismail Khan.
																																VIII.—Sind.
5	0	0	4	15	6	0	0	0	S 41° E	S 51° E	3·5	3·9	−0·4	72	+17	61	+ 6	·982	+·151	0·3	−0·6	0	0·4	−0·4	0	0·16	−0·16	0	0·30	−0·30	0	Jacobabad.
0	0	0	1	0	11	16	2	0	S 29° W	S 39° W	11·1	12·8	−1·7	82	+ 1	63	+ 1	·845	+·038	0·7	−2·3	0	0·8	−0·8	0·02	0·53	−0·51	0·02	0·70	−0·68	0·02	Hyderabad.
0	1	0	0	0	1	10	17	1	S 75° W	S 75° W	12·4	12·8	+0·6	86	0	80	0	·987	+·010	5·1	−0·3	0	0·6	−0·6	0·03	0·98	−0·95	0·03	1·04	−1·01	0·03	Karachi.
																																IX.—Rajputana.
1	1	1	2	2	6	11	6	0	S 36° W	S 38° W	6·7	6·9	−0·2	53	−14	46	− 8	·689	−·088	1·4	−0·5	1	2·4	−1·4	0·29	1·43	−1·14	0·29	2·07	−1·78	0·17	Bikaner.
2	1	1	2	0	4	17	3	0	S 41° W		6·4			59		55	− 2	·710	−·017	1·9	−1·2	2	1·9	+0·1	0·40	1·23	−0·83	0·40	1·48	−1·08	0·16	Jodhpur.
4	2	5	3	1	1	3	8	3	N 53° W	S 88° W	5·3	5·0	+0·3	23	−14	46	− 7	·649	−·047	2·3	−1·0	3	3·7	−0·7	0·52	2·05	−1·53	0·70	2·58	−1·88	0·20	Jaipur.
7	1	1	0	0	0	5	12	4	N 87° W	S 84° W	5·3	6·9	−1·6	59	−11	49	−12	·651	−·104	2·1	−1·0	3	2·1	+0·9	0·60	2·23	−1·63	0·60	2·78	−2·18	0·17	Ajmer.
1	0	3	2	0	0	3	13	8	N 71° W		4·9			59		39	− 9	·630	−·050	2·7	+0·3	4	4·3	−0·3	1·16	2·70	−1·54	1·16	3·13	−1·97	0·43	Kotah.
																																X.—Bombay.
4	1	0	1	1	2	13	7	1	S 56° W	S 69° W	10·3	12·2	−1·9	59	− 4	63	− 4	·812	−·004	5·0	−0·5	3	2·9	+0·1	1·14	1·92	−0·78	1·14	2·11	−0·97	0·53	Deesa.
0	0	1	0	0	2	3	24	0	S 82° W	S 72° W	10·4	12·9	−2·5	82	+ 4	72	− 2	·917	+·009	3·1	−2·1	2	2·3	−0·3	0·28	1·87	−1·59	0·28	1·94	−1·66	0·18	Bhuj.
0	0	0	0	1	3	16	8	2	S 56° W		15·3			81		72	+ 3	·963	+·094	4·6	+0·9	1	2·6	−1·6	0·54	1·90	−1·36	0·54	1·92	−1·38	0·54	Jamnagar.
0	1	0	0	0	2	13	12	2	S 69° W		11·5			79		80	0	·959	−·012	5·6	+0·7	2	2·7	−0·7	1·34	2·39	−1·05	1·34	2·40	−1·06	1·03	Dwarka.
1	0	0	0	2	1	17	7	2	S 56° W	S 81° W	10·3	10·3	+0·3	76	+ 2	69	− 5	·846	−·032	6·4	+1·0	4	4·7	−0·7	2·00	4·16	−2·16	2·00	4·33	−2·33	1·31	Rajkot.
1	1	0	0	3	2	7	15	1	S 69° W	S 69° W	9·6	8·3	+1·3	66	− 3	84	0	·961	−·009	5·6	−0·5	3	4·0	−1·0	2·70	3·48	−0·78	2·78	3·53	−0·75	2·14	Veraval.
3	0	0	1	0	1	16	6	3	S 81° W	S 48° W	4·4	11·5	−7·1	71	− 9	77	+ 6?	·954	+·061?	4·6	−1·6	3	4·7	−1·7	5·64	3·48	+2·16	5·62	3·63	+2·01	3·55	Bhavnagar Para.
1	1	0	1	4	8	11	3	1	S 24° W	S 49° W	5·6	9·6	−4·0	62	− 8	75	− 2	·903	−·018	6·9	+0·4	5	7·9	−2·9	10·09	7·94	+2·15	10·09	8·04	+2·05	4·20	Surat.
4	1	0	0	0	0	12	4	9	S 87° W	S 61° W	6·0	5·6	+0·4	62	+ 3	67	− 1	·846	−·005	4·4	−2·1	4	4·7	−0·7	3·73	4·40	−0·67	3·73	4·48	−0·75	1·44	Ahmadabad.
0	1	0	4	3	1	2	12	7	N 84° W	S 58° W	7·7	11·1	−3·4	40	− 8	80	− 2	·905	−·025	6·1	−1·5	10	14·7	−4·7	39·78	18·48	+21·30	40·14	19·19	+20·95	9·80	Bombay.
0	3	0	0	2	2	8	1	9	N 65° W.	S 60° W	9·4	7·4	+2·0	40	+ 9	78	− 5	·873	−·023	7·3	−0·1	13	20·1	−7·1	26·63	29·10	−2·47	26·91	30·27	−3·36	4·50	Ratnagiri.
0	0	0	1	1	3	5	7	13	N 83° W	N 76° W	7·5	8·0	−0·4	59	+10	85	− 1	·955	+·027	8·3	+0·8	14	20·1	−6·1	36·33	29·77	+6·56	36·65	31·55	+5·10	7·62	Marmagao.
15	3	0	0	0	5	5	0	2	S 50° W	S 82° W	2·9	4·4	−1·5	23	−29	91*		·881*		8·4	+1·1	16	22·9	−6·9	39·79	38·65	+1·14	42·03	41·33	+0·70	10·78	Karwar.

* Mean of 14 days.

Table

(2) Abstract of observations taken at 8 hrs.

Number of sub-division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches. 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
	X.—Bombay—*concld.*																						
26	Malegaon	1,430	28·282	+·002	29·628	28·396	4th	28·163	26th	·235	84·6	103·9	+8·2	76·2	+1·1	80·0	+4·7	27·7	111·8	9th & 11th	70·4	29th	41·4
	Ahmadnagar	2,154	27·609	0	29·644	27·731	4th	27·476	26th	·258	80·4	96·6	+4·8	72·2	+0·1	84·4	+2·5	24·4	106·0	4th	68·2	9th	37·8
	Poona	1,846	27·915	+·003	29·677	28·059	4th	27·754	26th	·305	78·2	94·1	+4·3	73·1	+0·5	83·6	+2·4	21·0	103·6	5th & 11th	67·9	19th	35·7
	Sholapur	1,590	28·149	−·016	29·650	28·243	8th	28·051	26th	·192	82·0	98·5	+3·3	76·9	+3·3	87·7	+3·3	21·6	110·0	12th	64·8	27th	45·2
	Bijapur	*1,948*	27·808	−·017	29·656	27·902	8th	27·726	23th	·176	78·9	95·1	+3·4	74·1	+2·3	84·6	+2·9	21·0	106·1	12th	69·7	25th	36·4
	Belgaum	2,562	27·263	0	29·711	27·360	8th	27·160	22rd	·200	74·4	86·7	+5·5	69·5	+1·5	78·1	+3·5	17·2	99·5	4th	65·4	28th	34·1
	XI.—Central India.																						
20	Neemuch	1,624	28·037	−·002	29·561	28·131	3rd	27·892	27th	·239	86·9	104·0	+5·3	79·9	+2·1	91·9	+3·7	24·1	110·6	4th	72·1	28th	38·5
	Indore	1,823	27·861	−·004	29·576	27·970	4th	27·717	27th	·253	85·6	103·3	+8·0	78·3	+2·7	90·8	+5·3	25·0	110·3	4th	73·1	28th	37·2
21	Nowgong	754	28·835	+·010	29·521	28·939	17th	28·681	29th	·268	91·7	105·9	+3·3	84·6	+1·5	95·2	+2·4	21·3	114·4	5th	76·5	27th	37·9
	Sutna	1,041	28·536	0	29·500	28·654	17th	28·379	27th	·275	90·2	103·3	+3·2	83·1	+1·1	93·2	+2·1	20·2	112·8	5th & 10th	75·0	17th	37·8
	XII.—Central Provinces.																						
22	Buldana	2,134	27·589		29·601	27·706	4th	27·450	25th	·256	81·5	98·2	+5·6	76·7	+3·2	87·5	+4·4	21·5	105·1	4th	70·2	27th	34·9
	Akola	925	28·737	−·011	29·591	28·842	4th	28·604	25th	·238	87·1	104·9	+6·1	82·0	+4·0	93·4	+5·1	22·9	114·3	4th	73·5	20th	40·8
	Amraoti	1,215	28·441	−·013	29·570	28·561	4th	28·285	25th	·276	88·6	104·7	+6·9	81·9	+4·6	93·3	+5·7	22·8	112·3	3rd	74·0	27th	38·3
23	Khandwa	1,044	28·616	−·014	29·533	28·724	4th	28·478	26th	·246	84·5	104·9	+6·5	81·6	+2·6	93·2	+4·5	23·3	112·8	4th	72·0	27th & 29th	40·8
	Hoshangabad	1,006	28·635	−·007	29·562	28·735	3rd & 4th.	28·495	26th	·240	89·8	105·9	+6·4	81·7	+2·0	93·8	+4·2	24·2	113·5	4th	72·6	30th	40·9
	Saugor	1,807	27·830	−·006	29·515	27·929	7th	27·666	27th	·263	89·0	103·4	+4·6	81·5	+3·1	92·5	+3·9	21·9	112·0	10th	72·8	15th	39·2
	Jubbulpore	1,327	28·276	−·014	29·507	28·373	7th	28·129	27th	·244	89·4	104·4	+6·3	82·6	+3·7	93·5	+5·0	21·8	112·1	4th	72·7	29th & 30th.	39·4
	Seoni	2,033	27·632	+·002	29·535	27·734	4th	27·475	27th	·258	87·2	100·6	+5·2	78·5	+3·0	89·6	+4·1	22·1	110·8	2nd	70·7	28th & 30th.	40·1
	Nagpur	1,017	28·619	−·012	29·556	28·713	4th	28·453	25th	·260	89·5	105·7	+6·5	83·1	+4·1	94·4	+5·3	22·6	114·3	4th	73·9	27th	40·4
24	Pendra	2,123?	29·599	+·004	29·514	27·693	17th	27·428	27th	·264	85·4	98·6	+3·9	78·8	+1·8	88·7	+2·9	19·8	110·3	10th	62·2	13th	48·1
	Raipur	970	28·639	−·014	29·532	28·729	17th	28·490	25th	·239	87·3	103·9	+6·1	82·1	+3·2	93·0	+4·7	21·8	114·9	1st	71·8	15th	43·1
	Chanda	*634*	29·064	−·031	29·569	29·102	4th	28·822	25th	·280	89·2	105·5	+6·2	82·9	+3·1	94·2	+4·7	22·6	115·5	10th	73·0	19th	42·5
	Jagdalpur	1,813	27·873		29·580	28·007	7th	27·675	24th	·332	82·4	96·0		76·1?		86·1?		19·9?	108·2	2nd	71·1	14th, 26th & 27th.	37·1
	XIII.—Hyderabad.																						
27	Aurangabad	1,905	27·840	−·006	29·642	27·953	4th	27·713	25th	·240	81·5	98·3	+3·8	74·6	+1·8	86·5	+2·8	23·7	107·3	10th	67·1	24th	40·2
	Nizamabad	1,248	28·443	−·047	29·605	28·540	4th	28·316	25th	·224	85·7	102·3	+5·1	80·1	+2·9	91·2	+4·0	22·2	112·9	3rd	69·6	12th	43·3
	Bidar	*2,165*									82·8	96·8	+4·1	75·6	+3·5	86·2	+3·8	21·2	106·9	3rd	69·4	4 days	37·5
28	Gulbarga	1,503	28·224	−·029	29·639	28·322	8th	28·124	25th	·198	81·8	101·0	+5·5	77·6	+3·6	89·3	+4·5	23·4	111·2	12th	70·4	25th	40·8
	Raichur	*1,311*	28·444*	−·001*	29·673*	28·514	6th & 8th.	28·342	23rd	·172	82·9	99·5	+4·4	77·6	+2·6	88·5	+3·5	21·9	109·8	4th	70·9	25th	38·9
	Hyderabad (Deccan)	1,690	27·984	−·016	29·620	28·074	4th	27·849	24th	·225	82·2	97·8	+3·2	78·0	+1·8	87·9	+2·5	19·8	109·8	3rd	70·0	25th	39·8
	Hanamkonda	877	28·808	−·011	29·613	28·887	18th	28·641	24th	·246	85·2	100·0	+2·0	80·7	+0·9	90·4	+1·5	19·3	111·3	1st & 2nd.	72·2	14th	39·1
	XIV.—Mysore.																						
29	Chitaldrug	2,405	27·416	−·002	29·705	27·485	8th	27·330	23rd	·155	75·4	88·5	+2·2	70·8	+0·7	79·6	+1·5	17·7	100·1	4th	66·3	10th	33·8
	Hassan	3,149	26·732	−·006	29·725	26·793	30th	26·653	23rd	·140	72·1	82·6	+2·0	67·5	+1·5	75·0	+1·7	15·1	93·5	3rd	64·2	8th	29·3
	Bangalore	3,021	26·850	−·011	29·715	26·906	4th	26·762	23rd	·144	73·4	86·1	+1·2	63·1	+1·2	77·1	+1·2	18·0	95·3	4th	63·5	11th	31·8
	Mysore	2,518	27·338	−·016	29·738	27·405	30th	27·261	23rd	·144	74·6	85·4	+0·6	69·2	+1·1	77·3	+0·9	16·2	94·2	3rd	66·2	12th	28·0

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

* Mean of 29 days.

B—*continued.*

at 217 stations in India, etc., in June, 1915—*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 June 1915.	Normal rainfall for period, 1st May to 30th June.	Departure from normal of period, 1st May to 30th June, 1915.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																X.—Bombay—*concld.*
6	1	0	0	1	2	13	4	3	S 59° W	S 81° W	7·8	10·2	−2·4	56	−17	62	− 6	·720	−·019	3·9	−1·1	6	7·1	−1·1	8·24	4·45	+3·79	8·24	5·31	+2·93	4·18	Malegaon.
2	1	0	0	2	2	6	3	14	N 78° W	N 88° W	6·3	11·8	−5·5	53	− 2	67	− 7	·681	−·034	2·1	−3·4	9	7·7	+1·3	5·42	5·03	+0·39	10·21	5·72	+4·49	1·18	Ahmadnagar.
1	0	0	0	0	0	0	13	16	N 65° W	S 82° W	6·8	11·9	−5·1	86	+ 5	77	+ 5?	·731	+·035	4·4	−2·6	11	7·2	+3·8	14·25	4·51	+9·74	14·25	5·69	+8·56	3·05	Poona.
0	1	0	0	0	0	9	4	16	N 74° W	S 81° W	11·0	10·0	+1·0	72	− 5	65	− 2	·686	+·011	6·5	−0·1	6	6·6	−0·6	5·63	4·79	+0·84	5·95	5·73	+0·22	2·05	Sholapur.
0	0	0	0	0	2	10	13	5	S 77° W	S 78° W	8·4	7·1	+1·3	76	− 3	68	− 8	·655	−·056	5·4	−1·0	7	5·6	+1·4	2·00	3·44	−1·44	3·84	4·53	−0·69	0·51	Bijapur.
12	0	0	0	0	0	8	10	0	S 70° W	S 75° W				56	−14	84	− 2	·706	+·016	7·3	−0·8	12	13·4	−1·4	9·57	8·38	+1·19	11·26	10·83	+0·43	2·56	Belgaum.
																																XI.—Central India.
6	1	0	4	0	0	2	16	1	N 89° W	S 81° W	8·0	9·9	−1·9	47	−27	56	−13	·704	−·075	3·1	−0·9	5	4·8	+0·2	3·60	3·99	−0·39	3·77	4·37	−0·60	1·52	Neemuch.
1	2	1	0	0	0	1	14	11	N 66° W	S 87° W	7·9	5·1	+2·8	79	+ 5	63	− 9	·752	−·016	3·4	−2·5	8	7·4	+0·6	3·19	5·64	−2·45	3·20	6·11	−2·91	0·81	Indore.
5	2	8	2	1	0	1	10	1	N 24° W	S 86° W	3·2	3·4	−0·2	27	−21	51	− 6	·726	−·011	4·1	−1·5	5	6·2	−1·2	6·27	6·47	−0·20	7·50	6·76	+0·74	4·72	Nowgong.
13	0	1	7	1	1	1	6	0	S 45° E	S 84° W	3·6	7·1	−3·5	10	−19	50	− 5	·659	−·034	3·6	−1·8	6	6·3	−0·3	5·71	5·83	−0·12	5·84	6·20	−0·36	3·54	Satna.
																																XII.—Central Provinces.
0	0	0	0	0	0	5	15	10	N 83° W		9·3	8·0	+1·3	87		64		·673		5·4		4	9·4	−5·4	12·06	6·43	+5·63	12·07	6·95	+5·12	5·24	Buldana.
0	0	0	0	1	0	3	12	14	N 73° W	N 81° W	8·7	7·2	+1·5	79	+ 6	55	−11	·682	−·068	5·5	−0·6	4	8·2	−4·2	6·02	5·12	+0·90	6·26	5·49	+0·77	2·53	Akola.
1	2	0	0	0	2	5	13	7	N 86° W	S 87° W	7·5	6·5	+1·0	63	− 9	50	−19	·622	−·140	3·7	−2·0	5	8·6	−3·6	5·27	6·57	−1·30	5·41	7·11	−1·70	2·44	Amraoti.
12	0	0	0	0	0	0	10	8	N 70° W	N 87° W	9·0	7·5	+1·5	56	−26	65	− 1	·750	+·014	4·4	−0·7	7	6·9	+0·1	9·43	5·18	+4·25	9·46	5·51	+3·95	3·02	Khandwa.
1	1	3	1	0	1	7	12	4	W	S 62° W	3·9	3·7	+0·2	55	−16	51	−15	·677	−·114	3·2	−2·2	7	8·0	−1·0	5·92	5·89	+0·03	6·55	6·42	+0·13	3·11	Hoshangabad.
1	3	1	5	0	3	1	14	2	N 82° W	S 80° W	6·9	4·7	+2·2	33	−24	44	−17	·571	−·118	3·8	−0·9	4	8·1	−4·1	2·36	6·93	−4·57	2·76	7·39	−4·63	1·25	Saugor.
0	2	1	1	3	4	7	8	4	S 64° W	S 70° W	3·3	3·7	−0·4	43	−16	40	−12	·632	−·069	3·2	−1·5	5	9·1	−4·1	9·25	7·69	+1·56	9·26	8·18	+1·08	3·95	Jubbulpore.
3	5	1	0	1	4	6	6	4	S 88° W	S 86° W	5·4	4·2	+1·2	39	−17	53	−10	·625	−·061	4·7	−0·1	8	11·5	−3·5	3·72	8·87	−0·15	8·98	9·56	−0·58	2·56	Seoni.
0	1	0	2	3	0	3	10	11	N 74° W	S 87° W	6·2	6·6	−0·4	53	− 6	52	−12	·679	−·053	5·6	−0·5	9	10·6	−1·6	8·10	8·71	−0·61	8·38	9·46	−1·08	3·45	Nagpur.
2	1	2	2	2	10	7	2	2	S 15° W		5·6			43		58	− 2	·647	−·009	4·5	−0·9	12	11·4	+0·6	5·03	8·19	−3·16	5·62	9·10	−3·48	0·96	Pendra.
2	0	2	3	2	8	9	3	1	S 12° W	S 56° W	5·8	7·1	−0·3	49	−27	60	− 4	·716	−·014	4·7	−1·5	7	9·9	−2·9	2·45	8·39	−5·94	3·27	9·31	−6·04	0·75	Raipur.
1	0	0	0	4	3	7	12	3	S 62° W	S 61° W	5·1	4·5	+0·6	59	− 6	53	− 9	·685	−·053	4·8	−1·5	7	9·5	−2·5	10·11	7·22	+2·89	10·13	7·87	+2·26	5·42	Chanda.
12	0	0	0	2	1	13	2	0	S 40° W		3·0			49		71		·778		5·2		7			8·62			12·09			4·78	Jagdalpur.
																																XIII.—Hyderabad.
2	1	0	0	0	1	8	11	7	S 88° W		10·5			69		73	+ 4?	·773	+·076	6·6	+0·7	7	7·3	−0·3	13·12	5·21	+7·91	14·14	5·86	+8·28	4·39	Aurangabad.
0	4	1	0	1	2	7	8	7	N 83° W		5·9			53		55	−14	·624	−·133	6·3	+0·2	10	7·9	+2·1	8·13	4·87	+3·26	8·23	5·18	+3·05	3·30	Nizamabad.
1	4	2	0	0	0	11	4	8	N 79° W		7·0			53		59	−19	·635	−·119	6·2	+1·9	6	6·7	−0·7	5·46	4·96	+0·44	5·58	5·76	−0·18	2·34	Bidar.
0	1	0	0	0	1	6	13	9	N 85° W	S 86° W	9·9	10·3	−0·4	76	+ 9	62	−11	·648	−·079	5·7	−0·9	9	7·3	+1·7	2·93	5·31	−2·38	3·62	6·32	−2·70	0·90	Gulbarga.
0	1	1	0	0	0	11	9	8	S 89° W	S 74° W	8·1	10·2	−2·1	72	− 3	67	− 2	·741	+·029	5·1	−0·5	4	6·3	−2·3	0·98	3·81	−2·83	1·44	4·45	−3·01	0·40	Raichur.
0	3	1	0	0	2	5	13	6	N 83° W	N 87° W	7·9	6·6	+1·3	66	−18	71	+ 3	·753	+·060	6·4	−0·2	8	6·6	+1·4	9·15	4·47	+4·68	9·80	5·26	+4·54	4·80	Hyderabad (Deccan).
2	1	0	2	5	4	4	7	5	S 53° W		7·4			33		62*	+ 3	·733*	+·047	6·4	+0·3	5	7·8	−2·8	7·24	5·87	+1·37	8·77	6·39	+2·38	2·46	Hanamkonda.
																																XIV.—Mysore.
0	0	0	0	0	0	11	13	6	S 82° W	S 68° W	7·5	8·1	−0·6	82	− 4	79	0	·687	+·013	7·2	−0·7	11	6·6	+4·4	4·55	3·33	+1·22	7·55	6·38	+1·17	0·87	Chitaldrug.
0	0	1	0	0	0	7	16	6	W	S 83° W	8·2	8·7	+4·5	80	− 1	85	+ 2	·662	+·019	7·1	−1·3	16	9·9	+6·1	8·82	4·01	+4·81	10·13	9·25	+0·88	1·60	Hassan.
0	0	0	0	0	0	10	17	3	S 79° W	S 70° W	7·9	6·8	+1·1	86	− 3	83	+ 3	·685	+·046	6·3	−1·0	6	5·8	+0·2	6·61	2·87	+3·74	11·25	7·21	+4·04	1·93	Bangalore.
0	0	0	0	0	1	13	13	3	S 72° W	S 62° W	8·3	10·7	−2·4	82	+ 1	83	+ 3	·709	+·050	7·9	−0·4	13	6·5	+6·5	8·77	2·90	+5·87	16·64	7·96	+8·68	2·70	Mysore.

* Mean of 29 days.

Table

(2) Abstract of observations taken at 8 hrs.

Number of sub-division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	XV.—Madras.																						
30	Mangalore	65	29·759	−·028	29·762	29·838	30th	29·680	12th	·158	81·5	87·6	+2·3	77·1	+3·1	82·3	+2·7	10·5	92·6	14th	72·6	16th	20·0
	Calicut	27	29·807	−·034	29·763	29·903	30th	29·705	12th	·198	79·6	85·7	+1·0	76·8	+1·7	81·3	+1·3	8·9	92·6	8th	73·1	16th	19·5
	Cochin	9	29·848	−·029	29·785	29·925	30th	29·744	12th	·181	81·6	87·5	+2·2	76·1	+1·3	81·8	+1·7	11·4	92·2	3rd	65·7	15th	26·5
	Trivandrum	198	29·662	−·021	29·790	29·759	30th	29·545	12th	·214	80·6	85·6	+2·6	77·2	+1·4	81·4	+2·0	8·4	90·0	7th & 9th	73·0	16th, 17th & 18th.	17·0
31	Pamban	37	29·758	−·027	29·723	29·856	29th	29·676	11th	·180	84·6	88·8	−1·4	80·8	+0·5	84·8	−0·5	8·0	91·2	19th	78·5	25th	12·7
	Madura	447	29·341	−·022	29·714	29·445	30th	29·267	11th	·178	86·0	98·4	+0·4	79·3	+2·2	88·8	+1·3	19·1	105·0	1st	74·7	24th	30·3
	Pudukkottai	318	29·473	−·017	29·718	29·555	30th	29·401	10th	·154	86·1	100·5	+1·6	80·1	+1·8	90·3	+1·7	20·4	107·4	1st	73·9	3rd	33·5
	Negapatam	31	29·749	−·019	29·709	29·840	30th	29·678	10th	·162	86·1	97·3	−0·3	81·5	+2·1	89·3	+0·9	15·8	103·2	1st	78·6	11th & 25th.	24·6
	Trichinopoly	255	29·536	−·015	29·721	29·628	30th	29·459	11th	·167	85·1	99·6	+0·6	79·0	+0·4	89·3	+0·5	20·6	108·0	1st	71·0	3rd	37·0
	Coimbatore	1,341	28·481	−·003	29·743	28·569	30th	28·398	23rd	·171	78·2	89·9	+0·2	73·0	+1·2	81·6	+0·7	16·9	97·9	1st	70·1	12th	27·8
	Salem	940	28·838	−·008	29·728	28·964	29th	28·817	23rd	·147	81·1	96·6	+1·3	76·2	+1·7	86·4	+1·5	20·4	104·9	9th	74·1	24th	30·8
	Cuddalore	37	29·730	−·015	29·687	29·810	30th	29·661	23rd	·149	86·8	98·6	−0·3	81·8	+1·8	90·2	+0·7	16·8	106·0	19th	73·5	24th	27·5
	Vellore	707	29·058	−·016	29·691	29·130	29th	28·979	23rd	·151	85·1	99·4	+2·5	79·6	+1·0	89·5	+1·7	19·8	106·9	3rd	72·2	10th	34·7
	Madras	22	29·724	−·018	29·677	29·805	29th	29·642	23rd	·163	87·3	98·7	−0·2	82·6	+1·7	90·6	+0·7	16·1	106·4	2nd	76·9	24th	29·5
32	Cuddapah	433	29·319	−·023	29·676	29·399	8th	29·234	23rd	·165	88·0	102·3	+2·1	82·8	+2·3	92·6	+2·2	19·5	110·1	7th	75·2	24th	34·9
	Bellary	1,475	28·287	−·020	29·673	28·356	8th	28·194	23rd	·162	83·0	97·1	+2·3	76·7	+0·9	86·9	+1·6	20·4	108·3	4th	69·5	8th	38·8
	Kurnool	923	28·831	−·005	29·681	28·912	8th	28·731	23rd	·181	84·1	99·2	+2·1	80·6	+3·5	89·9	+2·8	18·6	109·5	3rd	73·6	25th	35·9
33	Nellore	66	29·646	−·025	29·646	29·725	4th	29·548	23rd	·177	88·4	101·6	0	83·3	+1·2	92·5	+0·6	18·3	109·6	3rd	77·1	23rd	32·5
	Masulipatam	15	29·689	−·010	29·639	29·785	3rd	29·556	24th	·229	87·6	98·5	+0·3	82·3	+1·8	90·4	+1·1	16·2	112·8	2nd	74·2	24th	38·6
	Cocanada	26	29·672	+·010	29·635	29·797	11th	29·483	24th	·314	85·7	96·4	−0·3	81·6	+0·5	89·0	+0·1	14·8	106·9	2nd	75·4	25th	31·5
	Waltair (Vizagapatam).	*226*	29·444	+·012	29·608	29·567	11th	29·143	24th	·424	84·3	91·2	−0·2	80·7	+0·4	85·9	+0·1	10·5	94·8	21st	73·1	18th	21·7
	Calingapatam	19	29·643		29·600	29·760	4th	29·339	24th	·421	86·7	94·6		81·7		88·1		12·9	102·5	19th	73·3	11th	29·2
	Gopalpur	72	29·591	+·022	29·583	29·699	3rd	29·425	24th	·274	84·2	90·4	+0·8	81·1	+0·7	85·7	+0·7	9·3	96·2	30th	72·3	11th	23·9
	Bay Islands.																						
1	P. V. Fraser	8	29·618		29·601	29·727	3rd	29·462	27th & 28th	·265	85·5												
	Port Blair	58	29·755	−·008	29·742	29·849	4th	29·627	22nd	·222	83·4	89·0	+3·1	79·7	+1·9	84·3	+2·5	9·3	92·4	18th	75·9	24th	16·5
	Table Island	90	29·698	−·002	29·721	29·799	3rd	29·596	21st	·203	83·4	87·4	+1·4	79·1	+1·3	83·3	+1·3	8·3	90·1	1st	73·1	15th	17·0
	Kashmir.																						
12	Muzaffarabad		27·277			27·466	17th	27·062	30th	·404	80·4			71·9							64·6	17th	
	Srinagar	5,204	24·778	+·037	24·749	24·904	3rd	24·592	30th	·312	67·4	82·0	−0·4	57·1	−0·5	69·5	−0·5	24·9	93·0	30th	52·3	5th	40·7
	Gulmarg†	*8,569*	21·838	+·039	21·806	21·909	12th	21·719	30th	·190	61·3	66·9	+0·1	43·5	0	55·2	+0·1	23·4	78·9	30th	38·2	17th	40·7
	Dras	*10,059*	20·787	+·031	20·756	20·878	4th	20·703	29th	·175	54·2	68·2	−5·6	42·1	+1·0	55·2	−2·3	28·2	77·7	29th	36·0	7th	41·7
	Leh	*11,503*	19·730	+·040	19·698	19·825	8th	19·627	20th	·198	53·0	68·7	−3·3	44·1	+0·2	56·4	−1·5	24·6	89·1	14th	38·4	8th	41·7
	Skardu	*7,505*	22·821	+·049	22·791	22·941	22nd	22·689	15th	·252	65·7	81·2	+1·8	58·9*	+1·3*	73·4*	+1·5	22·3	94·2	30th	56·2	25th	38·0
	Gilgit‡	*4,890*	25·031	+·074	25·004	25·174	3rd	24·825	29th	·349	77·1	92·2	−0·1	65·2	−1·9	78·7	−1·0	27·0	104·2	29th	60·2	17th	44·0

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

* Mean of 6 days.
† „ „ 27 „
‡ „ „ 23

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

B—*continued.*

at 217 stations in India, etc., in June, 1915—*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 30th June, 1915. (53)	Normal rainfall for period, 1st May to 30th June. (54)	Departure from normal of period, 1st May to 30th June, 1915. (55)	Heaviest rainfall during month. (56)	Station. (57)
																																XV.—Madras.
2	5	2	5	1	2	6	3	4	N 52° W	S 83° W	5·6	2·4	+3·2	10	−1	82	−4	·879	+·020	8·0	−0·6	19	24·5	−5·5	30·21	36·76	−6·55	32·84	43·02	−10·18	4·80	Mangalore.
15	0	1	1	1	0	5	1	6	N 83° W	N 22° E	4·9	7·1	−2·2	20	+9	93	+4	·931	+·070	8·2	−0·1	22	23·9	−1·9	30·61	34·19	−3·58	36·89	41·98	−5·09	4·12	Calicut.
0	2	7	8	3	0	6	3	1	N 80° E	N 9° W	5·3	4·5	+0·8	23	+1	82	−5	·879	+·021	6·5	−1·3	21	23·7	−2·7	27·38	23·13	−0·75	41·97	39·52	+2·45	4·65	Cochin.
5	9	2	0	0	0	2	1	11	N 27° W	N 16° W	4·8	5·1	−0·2	62	−5	85	−2	·878	+·043	8·6	+0·1	13	16·7	−3·7	9·22	12·97	−3·75	17·74	21·64	−3·90	1·98	Trivandrum.
0	0	0	0	2	3	21	4	0	S 42° W	S 39° W	11·2	9·8	+1·4	82	+4	76	−2	·898	−·019	4·2	+1·0	0	0·3	−0·3	0·05	0·12	−0·07	2·19	0·92	+1·27	0·05	Pamban.
0	2	1	2	1	2	3	9	10	N 71° W	N 79° W	6·0	3·0	+3·0	53	−7	64	0	·796	+·036	7·1	+1·9	3	2·2	+0·8	0·66	1·38	−0·72	2·98	4·25	−1·27	0·28	Madura.
5	0	0	0	1	2	7	5	10	S 86° W		5·9			53		67	+3	·828	+·066	0·5	−6·4	1	2·8	−1·8	0·30	1·16	−0·86	3·15	3·42	−0·27	0·30	Pudukkottai.
0	0	0	0	0	0	16	11	3	S 69° W	S 61° W	7·7	6·1	+1·6	82	+1	70	+6	·873	+·081	5·3	+0·7	3	2·3	+0·7	1·24	1·33	−0·09	2·13	3·14	−1·01	0·67	Negapatam.
2	0	0	1	0	0	18	7	2	S 61° W	S 80° W	6·6	6·7	−0·1	72	−12	63	+1	·757	+·020	4·6	−1·0	4	2·1	+1·9	1·15	1·44	−0·29	4·27	4·68	−0·41	0·43	Trichinopoly.
5	0	0	0	1	6	17	1	0	S 33° W	S 45° W	6·1	5·1	+1·0	76	−2	77	−4	·741	−·030?	4·5	−1·2	10	4·7	+5·3	4·93	1·56	+3·37	7·37	4·03	+3·34	1·47	Coimbatore.
3	1	0	0	0	6	9	9	2	S 59° W	S 32° W	5·4	3·7	+1·7	66	−3	76	+1	·803	+·005	5·8	−0·2	9	5·2	+3·8	3·59	3·16	+0·43	7·41	8·06	−0·65	1·59	Salem.
3	0	0	0	1	3	22	1	0	S 39° W	S 62° W	6·7	2·1	+4·6	79	+9	65	−3?	·812	−·031?	5·2	+0·5	0	2·8	−2·8	0·02	1·55	−1·53	1·24	2·29	−1·05	0·02	Cuddalore.
1	0	0	0	0	0	0	25	4	N 84° W		3·7			93		68	+5	·814	+·086	3·6	−1·3	6	5·1	+0·9	2·58	2·90	−0·22	4·07	5·66	−1·59	1·21	Vellore.
0	1	0	0	1	11	10	6	1	S 37° W	S 66° W	6·0	6·4	−0·4	69	−5	67	+5	·863	+·066	3·0	−1·0	4	3·8	+0·2	1·24	1·90	−0·66	1·60	2·98	−1·38	0·67	Madras.
1	2	0	0	0	0	1	15	13	N 66° W	N 87° W				82	+4	59	−2	·772	+·013	4·7	−1·7	5	4·7	+0·3	1·26	3·12	−1·86	2·30	4·70	−2·40	0·28	Cuddapah.
3	1	0	1	0	0	5	11	9	N 79° W	S 84° W	7·1	7·7	−0·6	66	−8	62	0	·689	+·047	7·4	+0·2	6	3·9	+2·1	5·16	2·04	+3·12	6·80	4·08	+2·72	3·36	Bellary.
1	0	0	0	0	0	7	12	10	N 85° W	S 89° W	8·5			79	+16	69	+1	·803	+·064	6·8	+0·4	5	5·8	−0·8	1·60	3·17	−1·57	2·46	4·12	−1·66	0·76	Kurnool.
3	1	0	0	0	7	6	5	8	S 72° W	N 73° W	5·7	7·0	−1·3	53	−10	61	+1	·810	+·014	6·4	−0·8	3	2·7	+0·3	0·95	1·27	−0·32	1·03	1·96	−0·93	0·58	Nellore.
0	1	0	0	3	6	6	7	7	S 89° W	N 80° W	9·4	6·9	+2·5	67	+4	69	−8?	·891	−·074?	6·4	−0·8	5	6·2	−1·2	7·57	4·69	+2·88	8·29	5·83	+2·46	5·25	Masulipatam.
5	0	0	1	0	1	9	11	3	S 74° W	S 69° W	6·2	6·4	−0·2	59	−16	81	+7	·997	+·101	7·0	+0·5	6	6·3	−0·3	5·12	4·74	+0·38	5·15	5·90	−0·75	2·09	Cocanada.
2	1	1	0	0	6	17	2	1	S 42° W	S 73° W	7·8			69	−5	79	+6	·932	+·069	6·7	−1·1	8	6·1	+1·9	7·30	4·58	+2·72	10·89	6·89	+4·00	1·96	Waltair (Vizagapatam).
2	0	2	2	1	5	13	4	1	S 38° W		9·2			53		77		·973		4·8		6	5·5	+0·5	1·97	3·99	−2·02	3·61	6·02	−2·41	0·68	Calingapatam.
2	2	1	0	1	11	9	1	3	S 32° W	S 39° W	12·6	11·0	+1·6	49	−25	83	0	·979	+·018	5·2	+0·7	7	7·6	−0·6	3·86	5·83	−1·97	5·11	7·77	−2·66	1·14	Gopalpur.
																																Bay Islands.
1	0	0	1	2	9	12	2	3	S 30° W					67		83		1·023		6·8		16			5·34			7·17			1·41	P. V. Fraser.
5	0	0	0	0	5	7	8	5	S 69° W	S 57° W	5·3	7·6	−2·3	56	−18	83	−5	·952	+·012	3·1	−0·1	19	21·2	−2·2	13·17	19·24	−6·07	19·86	36·14	−16·28	3·53	Port Blair.
2	0	0	0	3	9	12	3	1	S 28° W		12·8			72		89	+1	1·021	+·058	3·1	−0·4	13	17·0	−4·0	6·81	16·01	−9·20	18·47	25·26	−6·79	0·90	Table Island.
																																Kashmir.
27	0	2	0	0	0	1	1	0	N 45° E		0·7*			3		46		·457		2·4		6			3·25			4·18			1·32	Muzaffarabad.
12	1	1	0	8	2	2	1	3	S 19° E	S 45° E	3·0	2·8	+0·2	20	+12	69	−13	·465	−·083	2·3	−0·6	3	4·1	−1·1	0·82	1·73	−0·91	1·03	4·36	−3·33	0·25	Srinagar.
5	9	4	0	0	1	0	0	8	N 10° W		3·0†			59		71	−6	·388	−·004	2·3	−0·4	9	9·8	−0·8	2·47	3·77	−1·30	2·47‡	3·77§	−1·30	0·38	Gulmarg.
25	0	0	0	0	0	0	3	2	N 72° W		5·3			13		56	−4	·235	−·043	2·8	−0·2	0	2·4	−2·4	0·13	0·71	−0·58	0·26	3·80	−2·94	0·04	Dras.
20	0	0	0	3	4	2	1	0	S 2° W	S 72° W	2·2	1·3	+1·3	25	−22	52	+11	·207	+·036	4·3	+0·4	1	0·6	+0·4	0·23	0·17	+0·06	0·26	0·38	−0·12	0·13	Leh.
21	0	3	1	0	0	5	0	0	S 18° W		3·0			5		61	+12	·381	+·089	2·6	−0·7	2	0·9	+1·1	0·23	0·34	−0·11	0·87	1·61	−0·74	0·12	Skardu.
27	0	0	0	1	0	1	0	0	S		0·4			5		52	+12	·466	+·116	2·4	−0·6	1	1·3	−0·3	0·28	0·40	−0·12	0·28	1·34	−1·06	0·12	Gilgit.

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

* Mean of 29 days.
† „ „ 26 „

‡ Rainfall since 4th June 1915.
§ Normal rainfall since 1st June.

Table

(2) Abstract of observations taken at 8 hrs.

Number of sub-division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches. 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
	Baluchistan.																						
15	Fort Sandeman		25·255		25·224	25·338	4th	25·115	29th	·223	79·7	101·3		72·2		86·8		29·1	109·7	30th	63·1	16th	46·6
	Quetta . . .	5,502	24·505	+·015	24·465	24·611	19th	24·379	30th	·232	70·2	94·1	+3·5	60·0	+1·5	77·0	+2·5	34·1	100·9	30th	52·3	8th	48·6
	Chaman . .	4,211	25·500	—·006	25·462	25·611	18th	25·351	30th	·260	85·3	100·9	+1·2	74·0	+1·8	87·5	+1·5	26·9	108·5	30th	66·2	15th	42·3
	Kalat . . .	6,630	23·664		23·626	23·760	18th	23·558	30th	·202	67·9	92·3	+1·1	55·6	+7·7	74·0	+4·4	36·7	99·4	30th	46·8	16th	52·6
	Dalbandin . .	2,779	26·896		26·859	26·992	3rd	26·734	30th	·258	84·4	110·2		71·2		90·7		39·0	115·9	30th	58·1	17th	57·8
	Pasni . . .		29·608		29·568	29·771	3rd	29·496	30th	·275	84·7	93·7		79·0		86·3		14·7	99·9	23rd	72·2	5th	27·7
	Panjgur . .		26·532		26·490	26·641	3rd	26·399	30th	·242	80·5	106·2		75·3		90·7		30·9	111·2	11th	67·0	16th	44·2
	Robat . . .		26·679		26·637	26·797	3rd	26·484	30th	·313	87·5	107·8		79·9		93·8		27·9	113·0	14th	72·7	16th	40·3
	Hill stations, excluding Kashmir and Baluchistan.																						
	Para Chinar . .	6,000	24·350	+·052	24·326	24·452	3rd	24·224	29th	·218	76·1	88·8	+1·2	63·5	0	76·2	+0·6	25·3	101·3	30th	57·1	15th & 16th.	44·2
	Cherat . .	*4,956*	25·559	+·050	25·527	25·683	17th	25·404	30th	·279	80·2	92·9	—0·9	72·7	—0·5	82·8	—0·7	20·2	102·4	11th & 30th.	60·3	12th	42·1
	Drosh (c) . .		24·943			25·050	3rd & 17th.	24·825	29th & 30th.	·225	74·9	93·4	+2·6	69·4	+2·0	81·4	+2·3	24·0	102·7	29th	56·6	16th	46·1
	Murree . .	6,333	23·775	+·042	23·743	23·866	17th	23·657	30th	·209	70·1	81·2	—0·5	64·3	+0·2	72·7	—0·1	16·9	91·3	10th	50·4	16th	40·9
	Simla . .	7,232	23·052	+·049	23·014	23·159	12th	22·929	29th	·210	65·6	73·4	—0·8	61·2	+0·4	67·3	—0·2	12·2	81·5	10th	51·3	20th	30·2
	Sarain . .		23·090	+·035	23·052	23·197	12th	22·951	30th	·246	66·4	74·5	—0·2	54·6	—1·3	64·5	—0·7	19·9	82·0	10th	50·0	15th	32·0
	Kalabagh . .		20·115	+·030	20·077	20·209	29th	20·022	28th	·187	50·7	55·9	—0·3	45·3	—0·7	50·6	—0·5	10·6	60·8	10th	39·3	20th	21·5
	Chakrata (e) .	7,022	23·320 (m)	+·089P (m)	23·281 (m)	23·433	12th	23·201	28th & 29th.	·232	66·0	74·5	+0·2	59·1	—1·1	66·8	—0·5	15·4	83·0	5th	49·0	20th	34·0
	Mukteswar . .	7,592	22·779	+·033	22·738	22·880	12th	22·634	29th	·246	62·8	72·5	—2·6	57·5	—0·5	65·0	—1·5	15·0	80·4	10th	49·7	2nd	30·7
	Darjiling . .	7,376	22·894	—·024	22·849	22·979	12th	22·777	29th	·202	60·1	68·7	+3·2	56·7	+0·5	62·7	+1·9	12·0	72·1	19th	51·6	13th	20·5
	Shillong . .	4,920	25·025	+·030	24·977	25·114	12th	24·884	29th	·230	67·3	73·9	—0·5	62·4	—0·8	68·2	—0·7	11·5	77·9	19th	58·3	14th	19·6
	Cherrapunji . .	4,309	25·578	+·033	25·529	25·658	12th	25·431	29th	·227	66·8	71·7	—0·5	63·6	—0·4	67·6	—0·5	8·1	78·6	24th	56·4	7th	22·2
	Maymyo . .	3,545	26·352	+·042	26·297	26·413	3rd	26·225	30th	·188	70·6	77·5	—0·9	66·9	+1·0	72·2	+0·1	10·6	81·6	8th	64·7	1st & 15th	16·9
	Pachmarhi . .	3,528	26·269	+·001	26·216	26·381	3rd	26·114	27th	·267	81·0	95·7	+8·3	76·6	+4·3	85·9	+6·3	19·1	102·5	4th	67·1	29th	35·4
	Mount Abu . .	3,945	25·906	+·043	25·856	26·022	3rd	25·777	29th	·245	78·5	87·5	+3·9	71·3	+2·8	79·4	+3·3	16·2	92·4	24th	63·4	15th	29·0
	Mercara . .	3,781	26·146	—·017	26·079	26·209	30th	26·064	22nd	·145	68·6	76·5	+3·7	63·5	+0·1	70·0	+1·9	13·0	85·0	6th	61·0	27th	24·0
	Ootacamund . .	*7,387*	23·012	+·007	22·948	23·077	3rd	22·934	23rd	·143	60·6	66·6	+2·4	53·6	+1·4	60·1	+1·9	13·0	73·7	10th	50·7	6th	23·0
	Kodaikanal . .	7,688	22·789	+·005	22·724	22·846	3rd	22·705	23rd	·141	60·3	68·2	+3·1	54·6	+0·9	61·4	+2·0	13·6	76·8	1st	52·3	28th & 29th.	24·5
	Extra India.																						
	Singapore (a) . .	10	29·808	—·107	29·739	29·909	30th	29·748	10th & 20th.	·161	85·3	90·8	+2·6	75·7	+0·9	83·3	+1·7	15·1	93·0	17th	74·0	7th & 24th	19·0
	Penang (a) . .	17	29·812	—·088	29·754	29·879	30th	29·747	21st	·132	83·9	89·6	—0·4	74·9	+0·8	82·3	+0·2	14·7	93·0	4th	73·0	19th	20·0
	Trincomalee . .	99	29·693	—·027	29·721	29·787	29th	29·612	10th	·175	80·8	84·8	+3·2	78·8	+0·3	86·8	+1·7	16·0	100·5	3rd	76·0	11th	24·5
	Colombo . .	24	29·843	—·030	29·793	29·942	16th	29·753	10th	·189	80·1	87·8	+1·7	77·6	+0·1	82·7	+0·9	10·2	91·4	5th	72·5	16th	18·9
	Hambantota .	64	29·784		29·774	29·871	27th	29·708	10th	·163	79·9	89·4		78·6		84·0		10·8	96·4	20th	74·6	25th	21·8
	Minicoy . .	7	29·871	—·019		29·946	30th	29·784	10th	·162													
	Amini Divi . .	*13*																					
	Gyantse . .	13,120	18·461			18·593	17th	18·348	19th	·245	51·0	64·0		38·2		51·1		25·8	74·8	27th	30·2	12th	44·6
	Phari jong . .	14,400									46·5			28·2							21·5	4th	
	Gangtok . .	5,560P	24·363	+·016	24·318	24·484	17th	24·217	29th	·267	66·3	74·4	+0·5	60·6	+5·7	67·5	+3·1	13·8	81·3	24th	56·4	4th	24·9
	Gartok (c) . .	15,100									38·7	59·7		29·1		44·4		30·6	72·9	30th	20·5	3rd	52·4

N.B.—Elevations in italics indicate barometrical determinations.
(a) 9 hrs. observations. (c) Aneroid corrected. (e) Mean of 29 days (m) " " 21 "

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

B—*continued.*

at 217 stations in India, etc., in June, 1915—*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 June, 1915.	Normal rainfall for period, 1st May to 30th June.	Departure from normal of period, 1st May to 30th June, 1915.	Heaviest rainfall during month.	Station.
25	25	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																Baluchistan.
30	0	0	0	0	0	0	0	0	Calm		1·9			a		35		·345		0·2		1			0·21			0·26			0·14	Fort Sandeman.
25	0	0	0	3	2	0	0	0	S 28° E	S 8° W	1·9	2·2	−0·3	17	+11	56	+10	·419	+·094	0·2	−0·4	0	0·5	−0·5	0	0·17	−0·17	0	0·55	− 0·55	0	Quetta.
8	0	0	7	8	4	1	0	2	S 50° E	S 53° W	5·2	6·6	−1·4	46	− 2	18	−16	·224	−·177	0·1	−0·3	0	0·1	−0·1	0	0·03	−0·03	0	0·14	− 0·14	0	Chaman.
30	0	0	0	0	0	0	0	0	Calm	S 32° W	3·9			a		43	+ 9	·297	−·017	0·2		0	0·6	−0·6	0	0·31	−0·31	0·06	0·56	− 0·50	0	Kalat.
11	1	2	0	3	1	7	4	1	S 51° W		5·9			27		14		·168		0·2		0			0			0			0	Dalbandin.
3	1	4	5	2	2	4	7	2	S 63° W		8·0			7		89		1·058		4·1		0			0			0			0	Pasni.
19	1	4	4	0	0	2	0	0	N 66° E		4·1			17		56		·584		0·5		0			0			0			0	Panjgur.
12	0	2	1	1	2	2	9	1	S 76° W		3·5			27		35		·457		0·2		0			0·01			0·14			0·01	Robat.
																																Hill stations, excluding Kashmir and Baluchistan.
30	0	0	0	0	0	0	0	0	Calm		1·0			(a)		40	+ 1	·354	+·007	0·5	−2·3	3	4·8	−1·8	1·57	2·21	− 0·64	3·10	4·97	− 1·87	1·30	Para Chinar.
2	7	0	0	5	13	1	0	2	S 9° E	S 79° E	4·3	7·2	−2·9	30	+25	43	+ 1	·424	+·011	1·4	−0·7	2	1·9	+0·1	0·98	1·04	− 0·06	1·31	2·78	− 1·47	0·77	Cherat.
22	0	1	2	4	0	0	1	0	S 64° E		4·5			17		36	−14	·305	−·120	1·1	−0·4	1	1·9	−0·9	0·15	0·63	− 0·48	0·34	3·01	− 2·67	0·14	Drosh.
12	1	2	1	14	0	0	0	0	S 59° E	S 63° E	3·7	5·3	−1·6	43	+32	51	+ 2	·370	+·005	2·9	+0·1	8	5·5	+2·5	4·95	3·50	+ 1·45	5·64	6·45	− 0·81	1·87	Murree.
																59	− 2	·357	−·021	3·5	−0·6	8	9·5	−1·5	3·81	6·91	− 3·10	5·42	9·59	− 4·16	1·23	Simla.
																53	− 2	·355	+·002	3·4	−0·6	12	8·6	+3·4	4·84	5·79	− 0·95	6·38	7·83	− 1·45	1·38	Sarain.
6	15	0	0	0	2	1	0	5	N 14° W		6·5			59		68	0	·250	+·002	3·7	−1·1	11	10·5	+0·5	4·18	8·01	− 3·83	4·18§	8·01¶	− 3·83	0·87	Kalabagh.
23	1	0	1	2	2	0	0	0	S 45° E	S 8° W	1·8†	5·4	−3·6	10	+ 1	69	+ 2	·431	+·014	3·3	−0·6	10	10·2	−0·2	5·86	7·79	− 1·93	5·86§	10·25	− 4·39	2·00	Chakrata.
8	1	3	3	0	1	0	14	0	N 76° W		6·2			30		73	+ 4	·407	+·005	5·3	+0·7	13	9·3	+3·7	5·18	5·88	− 0·70	7·21	7·97	− 0·76	0·83	Mukteswar.
26	0	0	0	1	0	0	2	1	W	S 76° E	0·6	3·7	−3·1	7	− 8	92	− 2	·479	−·016	9·1	+0·5	19	20·6	−1·6	19·23	22·77	− 3·49	28·96	31·51	− 2·55	4·36	Darjiling.
21	0	1	4	1	1	2	0	0	S 59° E		2·2			13		86	+ 3	·574	+·002	7·7	−0·3	19	19·4	−0·4	14·29	17·18	− 2·89	38·73	26·35	+12·38	2·82	Shillong.
5	2	5	4	4	5	3	2	0	S 54° E		3·9			27		94	0	·620	−·002	9·2	+0·4	20	25·7	−5·7	74·07	90·95	−16·88	202·34	123·11	+79·23	19·35	Cherrapunji.
17	0	0	0	0	0	13	0	0	S 45° W		1·5			43		89	+ 3	·671	+·006	7·7	+0·6	16	13·5	+2·5	12·51	9·02	+ 3·49	31·82	18·33	+16·49	4·08	Maymyo.
2	0	0	1	0	0	5	8	14	N 73° W	S 81° W	6·7	6·7	0	69	+ 2	60	− 9	·604	−·009	2·9	−2·8	6	10·5	−4·5	8·71	9·38	− 0·67	9·08	9·93	− 0·85	4·00	Pachmarhi.
1	3	3	0	2	0	13	4	4	S 78° W	S 59° W	7·0	8·3	−1·3	40	−27	50	−22	·472	−·096	3·2	−2·1	6	6·2	−0·2	5·14	5·25	− 0·11	5·14	5·97	− 0·83	1·77	Mount Abu.
5	0	0	0	1	0	7	12	5	S 84° W	N 88° W	4·3	5·7	−1·4	66	− 8	91	− 3	·624	+·018	7·7	−1·1	21	23·7	−2·7	31·11	25·74	+ 5·37	33·97	31·53	+ 2·44	5·38	Mercara.
1	0	1	4	5	2	4	11	2	S 48° W		5·4			30		82	+ 4	·430	+·053	7·8	+0·3	18	13·1	+4·9	14·46	6·10	+ 8·36	18·13	13·94	+ 4·19	3·29	Ootacamund.
0	2	3	2	1	0	2	12	8	N 62° W		10·8			53		81	+ 6	·418	+·051	5·8	−0·6	12	10·0	+2·0	6·05	3·86	+ 2·19	7·33	9·72	− 2·39	1·31	Kodaikanal.
																																Extra India.
14	0	0	1	5	3	3	1	3	S 6° W					23						6·0	+0·6	7	9·0	−2·0	6·47	6·92	− 0·45	9·31	12·88	− 3·57	2·25	Singapore.
0	2	7	8	4	1	1	4	3	N 63° E		5·1*			33								13	9·9	+3·1	4·84	7·61	− 2·77	17·78	16·09	+ 1·69	0·64	Penang.
0	0	0	0	0	0	15	15	0	S 67° W	S 47° W	9·5	12·2	−2·7	89	− 5	81	+ 1	·849	−·032	6·9	+3·7	4	1·9	+2·1	1·75	1·31	+ 0·44	2·95	3·67	− 0·72	0·79	Trincomalee.
3	1	5	2	0	1	10	6	2	S 76° W	S 62° W	4·7	7·7	−3·0	30	−56	89	+ 5	·905	+·005	9·9	+2·6	16	13·0	+3·0	7·97	7·62	+ 0·35	18·95	18·32	+ 0·63	1·92	Colombo.
0	0	0	0	0	0	6	22	2	S 84° W		12·2	11·5	+0·7	92		88		·894		4·9		5			2·44	2·34	+ 0·10	3·00	5·33	− 2·33	1·08	Hambantota.
4	2	1	1	0	0	10	10	2	S 80° W	S 81° W	5·4	11·8	−6·4	57	−31					6·4	−0·5	14	17·1	−3·1	7·22	10·52	− 3·30	12·86	16·20	− 3·34	1·58	Minicoy.
																							15·7			13·67			16·81			Amini Divi.
16	1	0	4	4	5	0	0	0	S 45° E		4·3			33		72		·274		0·3		7			1·32			3·20			0·32	Gyantse.
0	2	2	3	8	3	5	6	1	S 2° W		8·8			26		67		·214		4·4		10			2·76			4·00			0·55	Pharijong.
29	1	0	0	0	0	0	0	0	N		0·5			3		89	− 1	·577	+·013	3·8	−2·3	21	22·8	−1·8	21·58	20·62	+ 0·96	45·99	40·07	+ 5·92	3·05	Gangtok.
20	1	0	0	6	1	0	0	2	S 45° E		7·8			13						3·0		0			0			0‖			0	Gartok.

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

(a) Indeterminate.

§ Rainfall since 1st June 1915.
¶ Normal rainfall since 1st June 1915.
‖ Rainfall since 27th May 1915

* Mean of 9 days.
† " " 27 "

Table

(2) Abstract of observations taken at 8 hrs.

Number of sub-division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	Extra India—*concld.*																						
	Kashgar (*c*)	4,255	25·100	—·070		25·630	4th	25·310	4 days	·320	78·5	92·6	+3·8	65·4	+1·6	79·0	+2·7	27·2	104·5	13th	54·3	5th	50·2
	Kabul (*c*)		24·037			24·120	3rd	23·900	30th	·220	61·1	96·9	+8·1	54·8	—2·4	75·8	+2·9	42·1	108·8	30th	50·2	16th & 24th	58·6
	Meshed	3,104	26·686		29·671	26·919	13th	26·542	27th	·377	75·0	91·4	+3·9	58·2	—3·0	74·8	+0·5	33·2	95·4	23rd	49·0	15th	46·4
	Jask	13	29·566	—·002	29·532	29·730	3rd	29·425	30th	·305	87·2	97·4	+1·5	84·2	+0·9	90·8	+1·2	13·2	104·3	8th	79·6	1st	24·7
	Muscat	20	24·585	+·024	29·547	29·810	8th	29·428	27th	·382	92·8	100·9	+5·0	88·4	—0·1	94·6	+2·5	12·5	114·2	7th	83·4	18th & 26th	30·8
	Bahrein	18																					
	Bushire	14	29·579	0	29·555	29·662	3rd	29·454	28th	·208	88·5	94·7	+2·9	84·1	+3·5	89·4	+3·2	10·6	111·9	9th	79·9	18th	32·0
	Basrah	25	29·603*	—·045	29·598†	29·685	6th	29·470	27th	·215	90·1†	104·2*	+4·5*	84·1*	+33*	94·1*	+3·9	20·1	119·1	11th	75·1	25th	44·0
	Kerman		24·455			24·570	3rd	24·315	29th	·255	81·9	101·9		80·1		91·0		21·8	107·5	28th&29th	70·3	1st	37·2
	Ispahan (*b*)	*5,817*	24·203	—·087		24·380	13th	24·030	28th	·350	78·8	94·4	+0·6	66·3	+4·1	80·3	+2·3	28·1	100·4	22nd & 27th	60·2	3rd	40·2
	Tehran (*b*)	*4,002*																					
	Baghdad	127																					
	Beirut (*a*)																						
	Aden	94	29·648	—·014	29·674	29·732	4th	29·528	29th	·204	88·5	96·2	+1·4	86·3	+2·3	91·2	+1·9	9·9	98·8	8th	83·7	1st	15·1
	Zanzibar	72	30·047	—·024	30·046	30·153	16th	29·928	1st	·225	76·4	82·2	+0·5	74·7	+0·6	78·5	+0·5	7·5	84·4	1st	72·9	17th	11·5

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.
(*b*) Aneroid uncorrected.
(*a*) 8¾ hrs. observations.
(*c*) Aneroid corrected.
* Mean of 29 days. † Mean of 28 days.

B—*concluded.*

at 217 stations in India, etc., in June, 1915—*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 30th June, 1915.	Normal rainfall for period, 1st May to 30th June.	Departure from normal of period, 1st May to 30th June, 1915.	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—*concld.*
20	3	1	0	0	0	0	2	4	N 30° W	N 28° W	2·8*	3·5	−0·7	30	+13	42	0	·412	+·051	1·8	−0·5	0	0·9	−0·9	0	0·34	−0·34	0	1·04	−1·04	0	Kashgar.
0	0	2	0	2	0	4	19	3	S 87° W	N 23° E				70	+64	63	+19	·338	−·046	0·3	−0·1	1	0·7	+0·3	0·19	0·24	−0·05	0·29	1·19	−0·90	0·10	Kabul.
28	0	0	0	0	2	0	0	0	S		2·0			7		47	− 2	·419	−·031	1·2	+0·1	1	0·8	+0·2	0·45	0·33	+0·12	0·50	1·72	−1·22	0·38	Meshed.
1	0	0	17	2	0	0	1	9	N 67° E	S 48° E	9·2	9·6	−0·4	40	+20	77	+ 6	·994	+·030	0·8	−0·2	0	0·1	−0·1	0	0·05	−0·05	0	0·05	−0·05	0	Jask.
2	0	4	9	5	0	0	1	9	N 55° E	N 27° E	1·7	3·4	−1·7	33	+14	58	− 6	·845	−·085	1·3	−0·5	0	0·2	−0·2	0	0·15	−0·15	0	0·15	−0·15	0	Muscat.
																							0			0			0·10			Bahrein.
5	2	0	1	1	0	0	7	14	N 54° W	N 37° W	8·3	7·8	+0·5	59	+ 3	61	− 5	·818	−·004	0·6	+0·5	0	0	0	0	0	0	0	0·02	−0·02	0	Bushire.
5	4	0	1	2	1	1	6	9	N 58° W†		5·8§			45		59‡		·829‡		0‖		0	0	0	0	0	0	0	0·46	−0·46	0	Busrah.
30	0	0	0	0	0	0	0	0	Calm.		6·4*			*a*		40		·431		0		0			0			0·33			0	Kerman.
20	0	0	0	0	0	2	6	2	W	N 50° W	1·3*	2·8	−1·5	20	−24	42	−10	·411	−·067	0·7	+0·5	0	0	0	0	0·01	−0·01	0·60	0·26	+0·34	0	Ispahan.
										S 7° W		2·2											0·3			0·09			0·53			Tehran.
										N 9° W		3·6											0			0			0·23			Baghdad.
																																Beirut.
7	2	12	1	2	5	0	1	0	N 68° E	S 34° E	8·5	6·8	+1·7	37	+11	74	+ 3	·997	+·048	3·6	+0·4	0	0·1	−0·1	0	0·07	−0·07	0	0·20	−0·20	0	Aden.
1	0	0	0	2	14	13	0	0	S 18° W	S 13° W	6·9	6·4	+0·5	90	+ 3	85	+ 1	·773	+·029	6·1	+0·8	6	3·4	+2·6	5·00	1·79	+3·21	15·30	13·21	+2·09	1·87	Zanzibar.

* Mean of 29 days.
(*a*) Indeterminate.
† One windless.
‡ Mean of 27 days.
§ „ „ 28 „
‖ Mean of 15 days.

Table C.—Abstract of observations taken at 8 hrs. at 60 fourth and fifth class stations in India, etc., in June, 1915.

Table

Abstract of observations taken at 8 hrs. at 60 fourth

Number of sub-division.	Station.	Temperature of air.													Wind direction.										
		Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.	Number of winds from: 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.—Assam.																								
4	Balek	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Bishnath	78·5	85·7†	−3·6	74·7	+3·4	80·2	0	11·1	94·1	12th & 13th.	66·7	27th	27·4	...	...	...	...	...	...	...	...	...	...	...
	Borjuli	80·7	89·6	+0·2	74·4	−0·3	82·0	−0·1	15·2	96·0	18th & 24th.	71·0	9th	25·0	...	...	...	...	...	...	...	...	...	...	...
	Chandkhira	79·8	90·6	+1·4	73·4	−0·7	82·0	+0·3	17·2	99·6	24th	69·1	14th	30·5	...	...	...	...	...	...	...	...	...	...	...
	Doom Dooma	78·1	89·5	0	74·1	+1·0	81·8	+0·6	15·3	98·3	18th	70·7	9th	27·6	...	...	...	...	...	...	...	...	...	...	...
	Dikom	78·4	88·4	−0·6	74·3	−0·7	81·3	−0·7	14·1	98·0	18th	68·4	10th	29·6	...	...	...	...	...	...	...	...	...	...	...
	Golaghat	78·6	86·1	−1·8	74·3	?	80·2	?	11·8	93·9	18th	70·2	8th	23·7	...	...	...	...	...	...	...	...	...	...	...
	Hailakandi	80·4	88·7	−0·8	74·9	0	81·8	−0·4	13·8	97·5	28th	69·8	8th	27·7	...	...	...	...	...	...	...	...	...	...	...
	Jorehat	78·9	88·7	−1·0	74·6	−1·0	81·7	−1·0	14·1	95·3	18th	68·9	13th	26·4	...	...	...	...	...	...	...	...	...	...	...
	Lumding	79·8	88·3	...	74·8	...	81·6	...	13·5	95·7	24th	69·8	7th & 8th	25·9	...	...	...	...	...	...	...	...	...	...	...
	Messa	82·5	91·0	−1·1	73·5	−0·8	82·3	−0·9	17·5	96·6	24th, 29th & 30th.	68·9	1st	27·7	...	...	...	...	...	...	...	...	...	...	...
	Panerihat	75·3	89·3	+1·9	72·9	−0·8	81·1	+0·5	16·4	94·6	28th	70·0	3rd	24·6	...	...	...	...	...	...	...	...	...	...	...
	III.—Bengal.																								
5	Comilla	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Brahmanbaria	80·7	86·4	−2·6	75·9	0	81·1	−1·3	10·5	92·6	24th	69·9	7th	22·7	...	...	...	...	...	...	...	...	...	...	...
	Faridpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Goalundo	80·7	88·1	−1·8	75·2	−1·4	81·7	−1·6	12·9	94·1	4th	66·1	1st	28·0	...	...	...	...	...	...	...	...	...	...	...
	Pabna	81·5	90·3	−3·0	77·0	+4·1	83·7	+0·5	13·3	95·0	4th & 9th	69·2	9th	25·8	...	...	...	...	...	...	...	...	...	...	...
	Sirajganj	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Rampur Boalia	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Malda	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Rangpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Dam Dim	78·3	93·5	+2·8	73·7	+0·2	83·6	+1·5	19·8	99·7	24th	68·8	5th	30·9	...	...	...	...	...	...	...	...	...	...	...
	Kalchini	82·5	88·9	+0·5	74·1	+0·2	81·5	+0·4	14·8	94·6	24th	70·0	7th	24·6	...	...	...	...	...	...	...	...	...	...	...
	Nagrakata	80·7	83·8	+1·0	73·4	−0·7	81·1	+0·1	15·4	93·1	19th, 21st & 25th	69·0	5th	24·1	...	...	...	...	...	...	...	...	...	...	...
	Cooch Behar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Krishnagar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Bankura	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Raniganj (Asansol)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	IV.—Bihar and Orissa.																								
7	Hazaribagh	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	Bhagalpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Muzaffarpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Motihari	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Chapra	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Arrah	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Dehri	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

† Mean of 19 days.

C.

and fifth class stations in India, etc., in June, 1915.

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, 1915.	Normal rainfall of period, 1st May to 30th June.	Departure from normal of period, 1st May to 30th June 1915.		
27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
																					II.—Assam.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Balok.
...	...	...	...	...	91	− 2	·884	− ·034	...	...	14	17·3	− 3·3	11·40	14·36	− 2·96	31·94	22·51	+ 9·43	2·75	Bishnath.
...	...	...	...	...	84	− 8	·881	− ·052	...	...	18	18·2	− 0·2	12·01	14·98	− 2·97	27·00	23·37	+ 3·63	1·55	Borjuli.
...	...	...	...	...	94	+ 5	·964	+ ·066	...	...	23	23·4	− 0·4	37·77	23·50	+14·27	67·35	36·32	+31·03	9·35	Chandkhira.
...	...	...	...	...	92	− 2	·889	− ·021	...	...	18	17·5	+ 0·5	7·33	18·29	−10·96	21·33	26·23	− 4·90	1·19	Doom Dooma.
...	...	...	...	...	90	0	·873	− ·006	...	...	19	20·3	− 1·3	19·49	18·11	+ 1·38	36·22	26·92	+ 9·30	4·95	Dikom.
...	...	...	...	...	92	+ 3	·902	− ·015	...	...	17	15·8	+ 1·2	10·68	9·88	+ 0·80	28·31	18·13	+10·18	2·63	Golaghat.
...	...	...	...	...	92	+ 2	·953	+ ·075	...	...	21	23·0	− 2·0	31·79	23·33	+ 8·46	65·89	35·58	+30·31	12·45	Hailakandi.
...	...	...	...	...	90	+ 4	·885	− ·015	...	...	20	17·0	+ 3·0	12·31	10·63	+ 1·68	37·34	19·57	+17·77	1·32	Jorehat.
...	...	...	...	...	86	...	·878	...	...	...	11	12·0	− 1·0	12·00	9·26	+ 2·74	25·08	13·83	+11·25	1·92	Lumding.
...	...	...	...	...	79	− 3	·879	− ·019	...	...	20	17·3	+ 2·7	11·00	13·51	− 2·51	26·33	21·27	+ 5·06	2·36	Messa.
...	...	...	...	...	95	+ 2	·833	− ·005	...	...	15	15·5	− 0·5	10·86	13·75	− 2·89	25·85	24·53	+ 1·32	2·48	Panerihat.
																					III.—Bengal.
...	...	...	...	...	...	...	...	...	...	...	23	17·5	+ 5·5	24·88	17·60	+ 7·28	50·11	28·90	+21·21	4·77	Comilla.
...	...	...	...	...	86	− 1	·904	− ·037	...	...	19	15·8	+ 3·2	21·62	14·35	+ 7·27	46·34	24·98	+21·36	3·75	Brahmanbaria.
...	...	...	...	...	...	...	...	...	...	...	23	14·7	+ 8·3	25·75	13·16	+12·59	35·95	21·70	+14·25	4·65	Faridpur.
...	...	...	...	...	92	+ 7	·965	− ·014	...	...	21	14·7	+ 6·3	28·19	12·03	+16·16	36·94	19·55	+17·39	3·60	Goalundo.
...	...	...	...	...	90	+ 5	·967	− ·001	...	...	19	14·7	+ 4·3	22·73	11·04	+11·69	31·16	17·53	+13·63	3·24	Pabna.
...	...	...	...	...	...	...	...	...	...	...	20	14·3	+ 5·7	23·54	12·24	+11·30	36·97	20·35	+16·62	2·92	Sirajganj.
...	...	...	...	...	...	...	...	...	...	...	17	12·6	+ 4·4	19·92	10·16	+ 9·76	27·18	15·85	+11·33	5·45	Rampur Boalia.
...	...	...	...	...	...	...	...	...	...	...	12	11·2	+ 0·8	14·32	9·32	+ 5·00	16·45	13·80	+ 2·65	4·61	Malda.
...	...	...	...	...	...	...	...	...	...	...	18	15·8	+ 2·2	20·02	17·27	+ 2·75	40·74	28·55	+12·19	4·84	Rangpur.
...	...	...	...	...	92	− 2	·886	− ·025	...	...	20	21·3	− 1·3	19·25	29·23	− 9·98	42·97	41·49	+ 1·48	3·45	Dam Dim.
...	...	...	...	...	79	− 8	·897	0	...	...	16	19·8	− 3·8	13·84	29·27	−15·43	34·10	40·44	− 6·34	2·44	Kalchini.
...	...	...	...	...	82	− 7	·854	− ·019	...	...	23	21·8	+ 1·2	22·73	30·59	− 7·86	38·71	43·24	− 4·53	3·46	Nagrakata.
...	...	...	...	...	...	...	...	...	...	...	14	18·9	− 4·9	13·45	33·45	−20·00	38·70	49·89	−11·19	2·36	Cooch Behar.
...	...	...	...	...	...	...	...	...	...	...	14	12·4	+ 1·6	11·58	9·87	+ 1·71	17·44	16·47	+ 0·97	2·12	Krishnagar.
...	...	...	...	...	...	...	...	...	...	...	15	11·2	+ 3·8	5·86	10·74	− 4·88	11·98	14·98	− 2·99	1·35	Bankura.
...	...	...	...	...	...	...	...	...	...	...	11	11·6	− 0·6	7·94	9·23	− 1·29	11·08	13·18	− 2·10	4·06	Raniganj (Asansol).
																					IV.—Bihar and Orissa.
...	...	...	...	...	...	...	...	...	...	...	9	10·7	− 1·7	5·62	8·29	− 2·67	7·10	10·48	− 3·38	1·03	Hazaribagh.
...	...	...	...	...	...	...	...	...	...	...	8	10·0	− 2·0	5·32	8·08	− 2·76	8·72	11·34	− 2·62	2·00	Bhagalpur.
...	...	...	...	...	...	...	...	...	...	...	7	8·0	− 1·0	4·57	7·97	− 3·40	6·32	10·51	− 4·19	1·60	Muzaffarpur.
...	...	...	...	...	...	...	...	...	...	...	8	9·9	− 1·9	3·25	9·47	− 6·12	5·93	12·28	− 6·35	1·40	Motihari.
...	...	...	...	...	...	...	...	...	...	...	8	7·3	+ 0·7	3·55	6·25	− 2·70	5·47	7·63	− 2·16	0·93	Chapra.
...	...	...	...	...	...	...	...	...	...	...	4	7·6	− 3·6	5·25	6·50	− 1·25	6·27	7·87	− 1·60	2·36	Arrah.
...	...	...	...	...	...	...	...	...	...	...	5	7·1	− 2·1	2·72	6·21	− 3·49	2·94	6·93	− 3·99	0·92	Dehri.

Table

Abstract of observations taken at 8 hrs. at 60 fourth

Number of sub-division.	Station.	Temperature of air.													Wind direction.										
		Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.	Number of winds from: 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
	V.—United Provinces of Agra and Oudh.																								
10	Meerut	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Dehra Dun	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	IX.—Rajputana.																								
18	Udaipur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	XII.—Central Provinces.																								
23	Chhindwara	85·7	101·1	...	79·3	...	90·2	...	21·8	109·8	4th	70·9	14th & 30th	38·7	13	5	0	0	0	0	3	4	5	N 59° W	...
	XIII.—Hyderabad.																								
	Parbhani	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	XV.—Madras.																								
31	Tinnevelly	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
32	Anantapur	83·1	98·1	...	77·9	...	88·0	...	20·2	107·1	8th	73·2	24th	33·9	...	...	...	...	...	...	...	...	...	...	...
33	Guntur	86·5	101·5	...	81·4	...	91·5	...	20·1	113·7	2nd	73·0	24th	40·7	...	...	...	...	...	...	...	...	...	...	...
	Bay Islands.																								
1	Car Nicobar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Kashmir.																								
13	Jammu	91·4	101·6	...	81·3	...	91·5	...	20·3	109·6	5th	71·8	16th	37·8	0	13	8	2	0	6	0	0	1	N 28° E	...
	Sonamarg	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Kargil	62·2	81·5	...	49·7	...	65·6	...	31·8	94·3	30th	42·0	7th	52·3	0	15	0	3	4	2	3	0	3	N 11° E	...
	Baluchistan.																								
15	Harnai	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Hill stations, exclusive of Kashmir.																								
	Panighatta	78·3	87·7	+0·6	72·9	−0·4	80·3	+0·1	14·8	93·5	30th	69·0	13th	24·5	...	...	...	...	...	...	...	...	...	...	...
	Kurseong	68·6	74·0	+0·8	63·2	−0·8	68·6	−0·1	10·8	76·3	17th	60·1	13th	16·2	...	...	...	...	...	...	...	...	...	...	...
	Gnatong	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Lachung	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Ringim	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Mussoorie	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Poo	...	75·4	+1·6	54·3	+0·6	65·4	+1·1	22·1	88·0	29th	46·5	6th	41·5	30	0	0	0	0	0	0	0	0	Calm.	...
	Kailang	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Bakloh	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Pishin	...	96·3	0	62·5	+1·3	79·4	+2·4	33·8	102·8	30th	56·1	7th & 16th	46·7	...	...	...	...	...	...	...	...	...	...	...

C—*continued.*

and fifth class stations in India, etc., in June, 1915—*continued.*

Wind velocity.			Wind steadiness.		Hygrometry, 8 hrs.				Cloud.		Rainfall.										
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, 1915.	Normal rainfall of period, 1st May to 30th June.	Departure from normal of period 1st May to 30th June, 1915.	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
																					V.—United Provinces of Agra and Oudh.
...	...	...	...	...	...	...	...	...	...	...	3	3·9	−0·9	1·47	3·24	−1·77	1·90	3·82	−1·92	0·77	Meerut.
...	...	...	...	...	...	...	...	...	...	...	13	9·2	+3·8	11·92	8·42	+3·50	12·98	9·90	+3·08	4·32	Dehra Dun.
																					IX.—Rajputana.
...	...	...	...	...	...	...	...	...	...	...	3	3·4	−0·4	2·48	2·74	−0·26	2·91	3·53	−0·62	1·40	Udaipur.
																					XII.—Central Provinces.
2·6	...	...	40	...	51	...	·585	...	0·3	...	6	...	...	6·66	...	...	7·19	...	...	1·85	Chhindwara.
																					XIII.—Hyderabad.
...	...	...	...	...	...	...	...	...	...	...	6	8·2	−2·2	8·83	5·55	+3·28	8·92	6·08	+2·84	3·75	Parbhani.
																					XV.—Madras.
...	...	...	...	...	...	...	...	...	...	...	3	1·3	+1·7	1·85	0·51	+1·34	2·42	2·02	+0·40	1·25	Tinnevelly.
...	...	...	...	...	76	...	·856	...	...	...	5	3·5	+1·5	1·28	2·05	−0·77	5·14	3·70	+1·44	0·58	Anantapur.
...	...	...	...	...	77	...	·959	...	...	...	7	6·8	+0·2	6·99	4·24	+2·75	7·29	5·93	+1·36	4·90	Guntur.
																					Bay Islands.
...	...	...	...	...	...	...	...	...	...	...	...	16·3	...	...	12·20	...	...	25·92	...	...	Car Nicobar.
																					Kashmir.
...	...	...	50	...	41	...	·575	...	2·1	...	5	3·6	+1·4	1·49	2·41	−0·92	1·81	3·18	−1·37	0·41	Jammu.
...	...	...	...	...	...	...	...	...	...	...	7	8·8	−1·8	2·28	3·11	−0·83	3·98	8·93	−4·95	0·62	Sonamarg.
...	...	...	33	...	42	...	·235	...	2·4	...	1	0·9	+0·1	0·22	0·19	+0·03	0·94	1·82	−0·88	0·12	Kargil.
																					Baluchistan.
...	...	...	...	...	...	...	...	...	...	...	2	1·7	+0·3	1·28	1·09	+0·19	1·28	1·33	−0·05	0·75	Harnai.
																					Hill stations, exclusive of Kashmir.
...	...	...	...	...	84	−1	·811	−·026	...	...	18	21·5	−3·5	17·03	26·90	−9·87	31·62	35·48	−3·86	2·88	Panighatta.
...	...	...	...	...	97	+7	·677	+·067	...	...	22	23·5	−1·5	37·58	28·98	+8·60	56·82	38·11	+18·71	7·18	Kurseong.
...	...	...	...	...	...	...	...	...	...	...	23	...	...	23·73	...	...	44·98	...	...	4·14	Gnatong.
...	...	...	...	...	...	...	...	...	...	...	22	...	...	9·12	...	...	17·91	...	...	1·20	Lachung.
...	...	...	...	...	...	...	...	...	...	...	21	...	...	35·50	...	...	66·43	...	...	4·13	Ringim.
...	...	...	...	...	...	...	...	...	...	...	13	10·0	+3·0	6·84	9·01	−2·17	9·44	11·26	−1·82	1·90	Mussooree.
...	...	...	a	...	...	...	...	...	3·3	−0·5	0	0·5	−0·5	0·02	0·25	−0·23	0·36	1·30	−0·94	0·01	Poo.
...	...	...	...	...	...	...	...	...	...	...	2	2·8	−0·8	0·84	1·12	−0·28	2·07	3·72	−1·65	0·37	Kailang.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Bakloh.
...	...	...	...	...	...	...	...	...	...	...	0	0·2	−0·2	0	0·05	−0·05	0	0·23	−0·23	0	Pishin.

(a) Indeterminate.

Table

Abstract of observations taken at 8 hrs. at 60 fourth

Number of sub-division.	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.	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.																								
	Chumbi (a) . . .	56·2	65·9	...	53·0*	...	59·1*	...	12·9	70·1	26th & 27th.	49·1	12th	21·0	...	...	...	...	...	...	...	...	...	...	...
	Pemba	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Prison Island . . .	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Seistan	...	103·4	...	77·2	...	90·3	...	26·2	116·0	28th	64·0	17th	52·0	0	1	0	0	0	0	0	0	29	N 45° W	...

(a) Mean of 26 days. * Mean of 19 days.

C—*concluded.*

and fifth class stations in India, etc., in June, 1915—*concluded.*

Wind velocity.			Wind steadiness.		Hygrometry, 8 hrs.				Cloud.		Rainfall.										
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 1915.	Normal rainfall of period, 1st May to 30th June.	Departure from normal of period, 1st May to 30th June, 1915.	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.
...	...	...	...	...	90*a*	...	·404*a*	...	...	...	11	...	...	3·49	...	...	9·68	...	...	1·30	Chumbi.
...	...	...	...	...	...	...	...	...	...	...	16	7·6	+8·4	7·72	5·24	+2·48	31·92	23·53	+8·39	1·25	Pemba.
...	...	...	...	...	...	...	...	...	...	...	...	4·3	...	...	3·06	...	...	15·17	...	...	Prison Island.
12·1	...	...	97	...	...	...	...	...	...	...	0	...	...	0	...	...	0	...	...	0	Seistan.

(*a*) Mean of 19 days.

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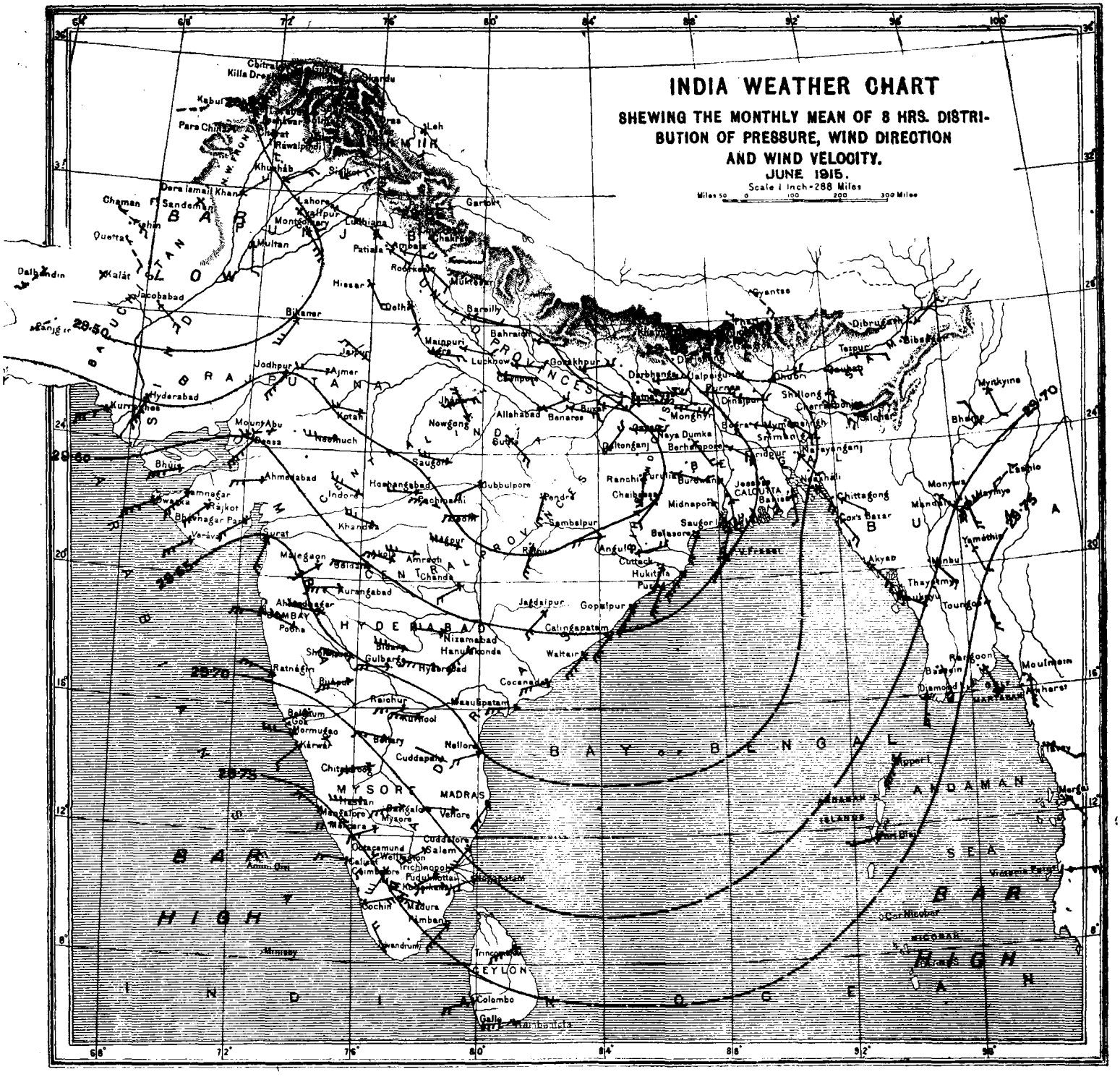
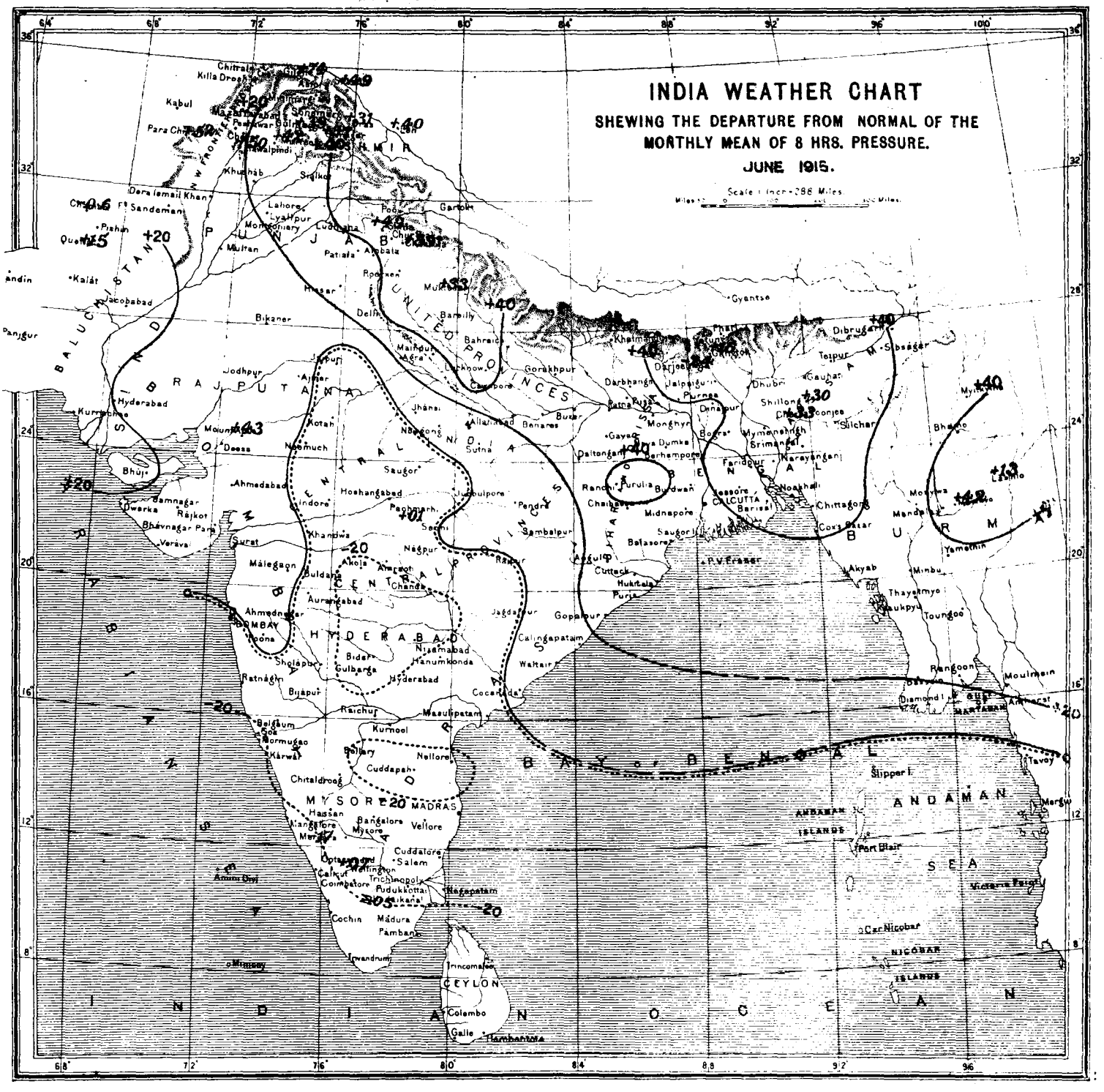


The lines of the above chart represent isobars or lines of equal barometric pressure, the numbers attached indicating the barometric pressure in inches and being drawn for differences of pressure of ·05 inch. The isobars in the Bay of Bengal are filled in by means of the shore observations, and by comparison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

Wind strengths are based on factor 2·2 for the standard type of Beckley Robinson anemograph, instead of 3·0 as used for this plate up to December 1911 inclusive.



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.

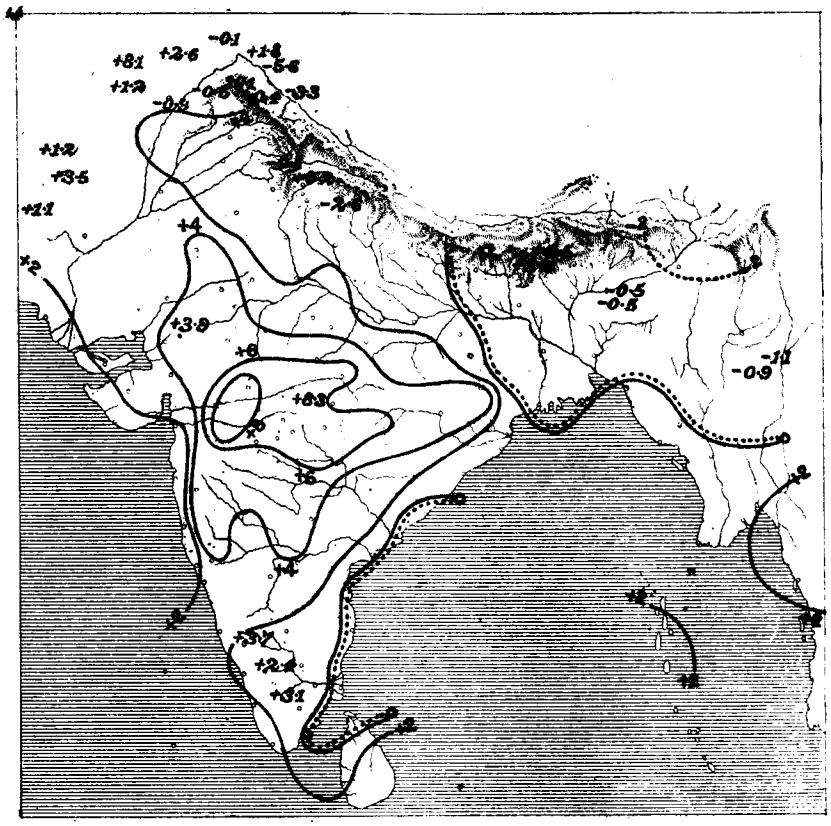


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MINIMUM TEMPERATURE.

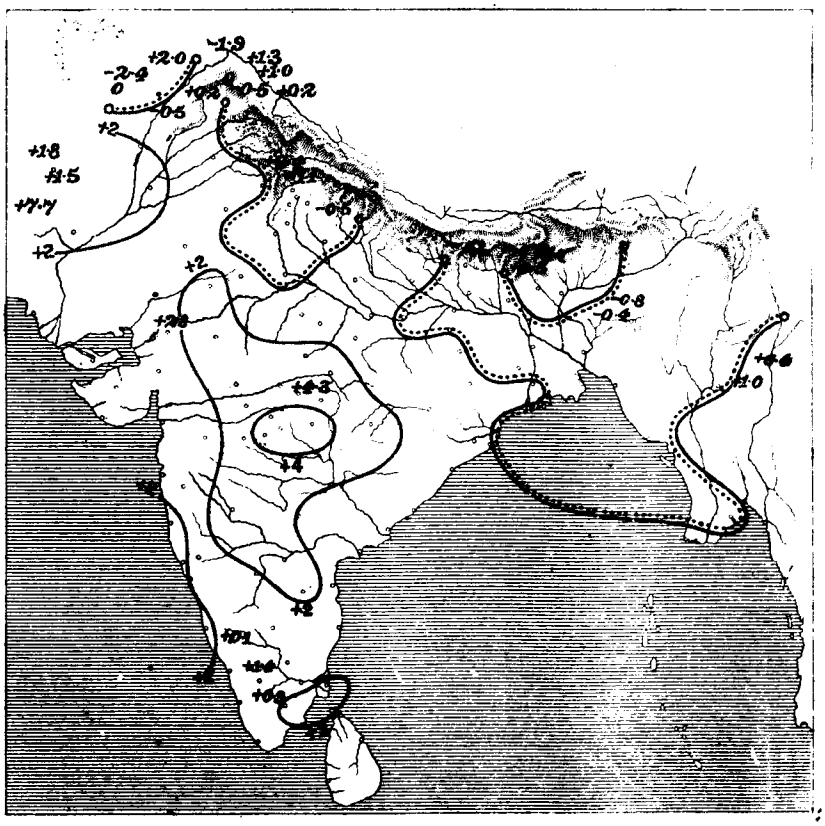


CHART SHEWING THE DEPARTURE FROM NORMAL
OF THE MONTHLY MEAN OF DAILY
MEAN TEMPERATURE.

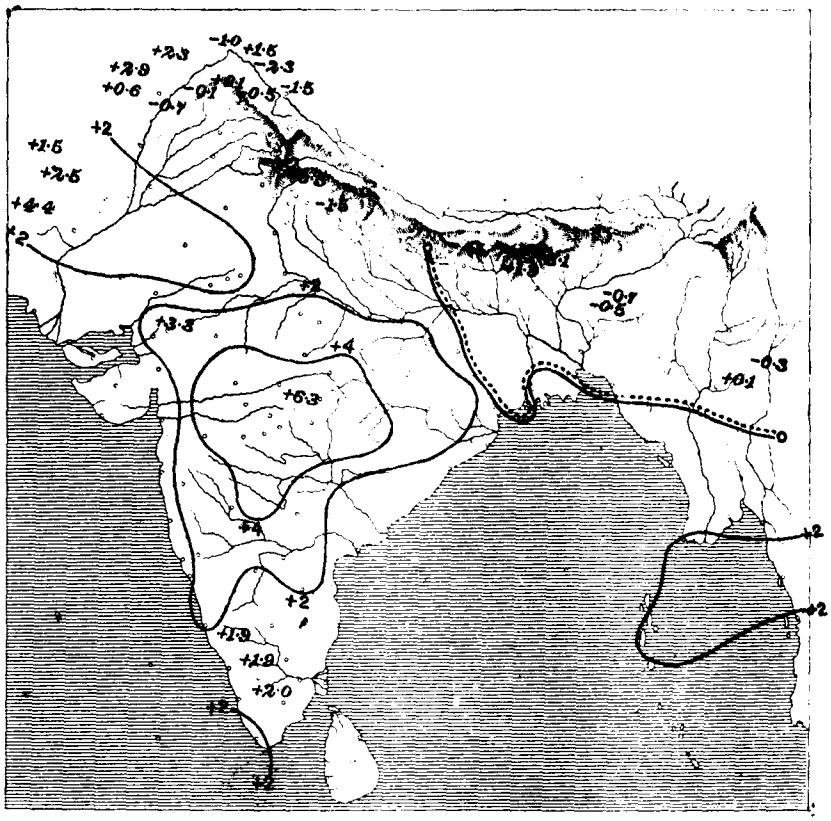


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF ABSOLUTE HUMIDITY AT 8 HRS.

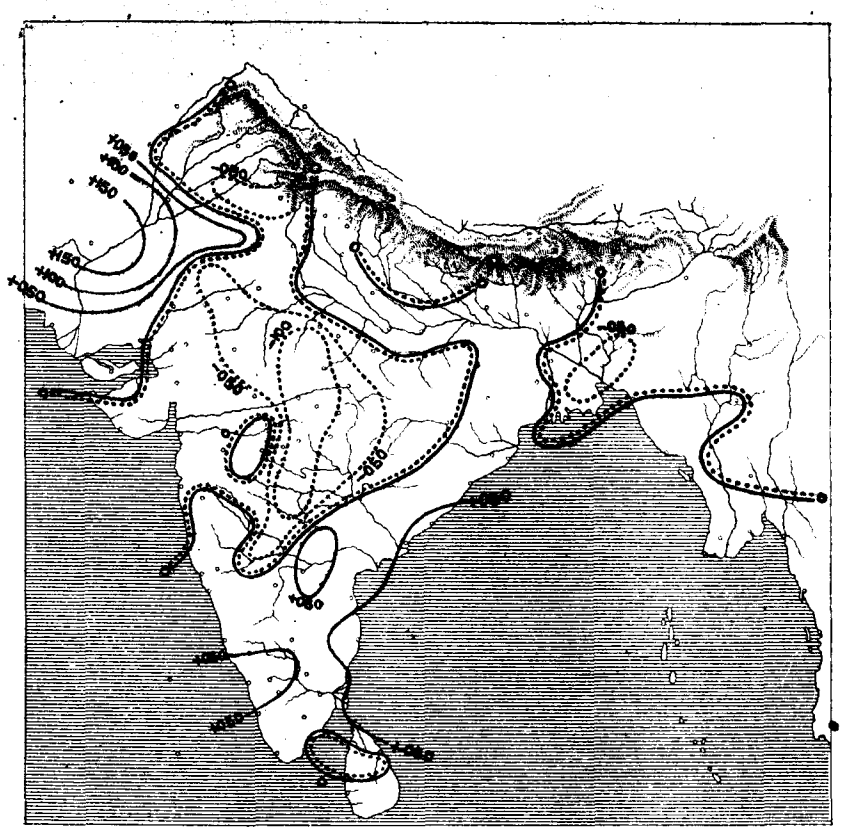


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF RELATIVE HUMIDITY AT 8 HRS.

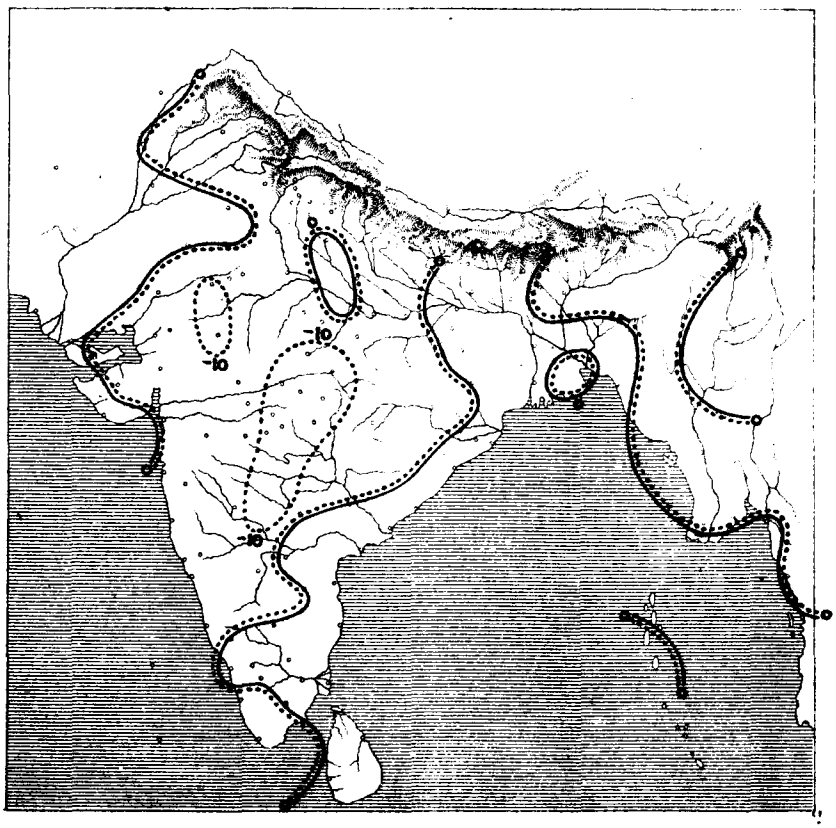


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF CLOUD AMOUNT AT 8 HRS.

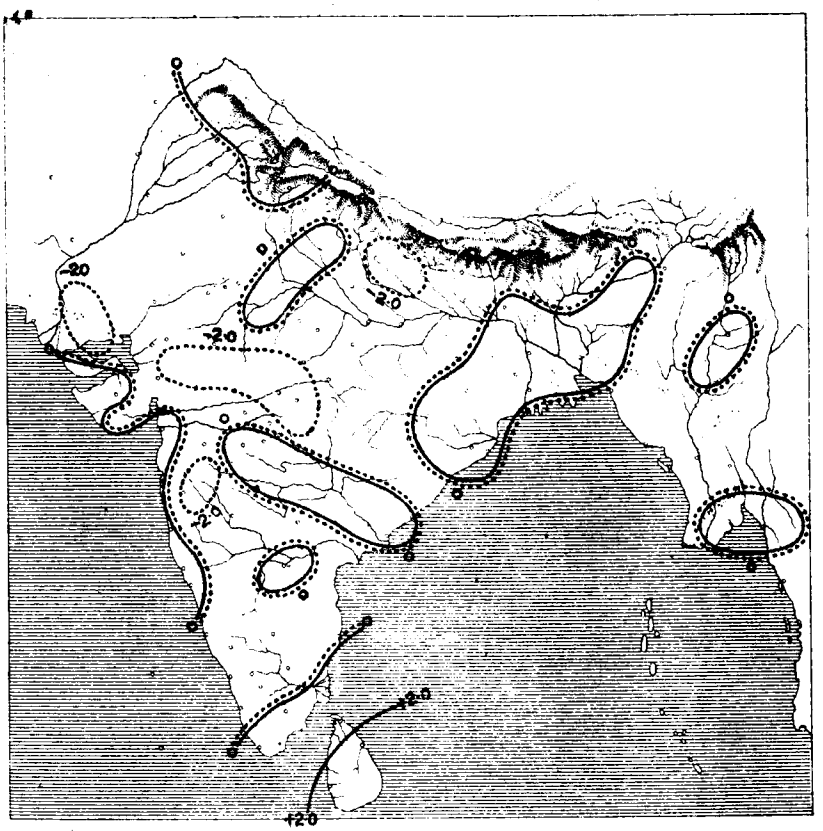
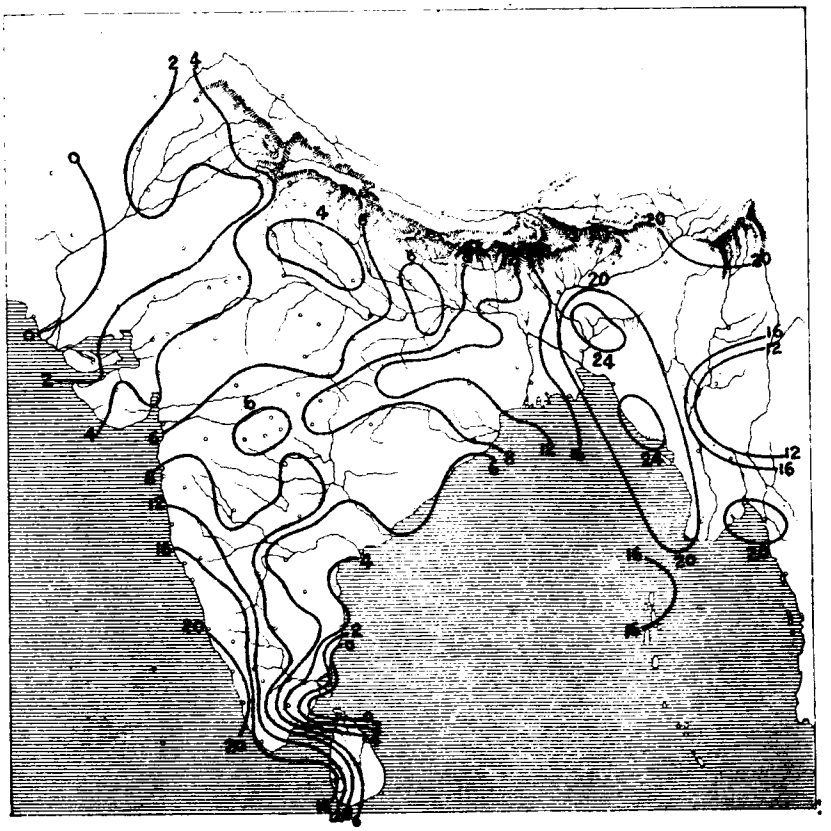
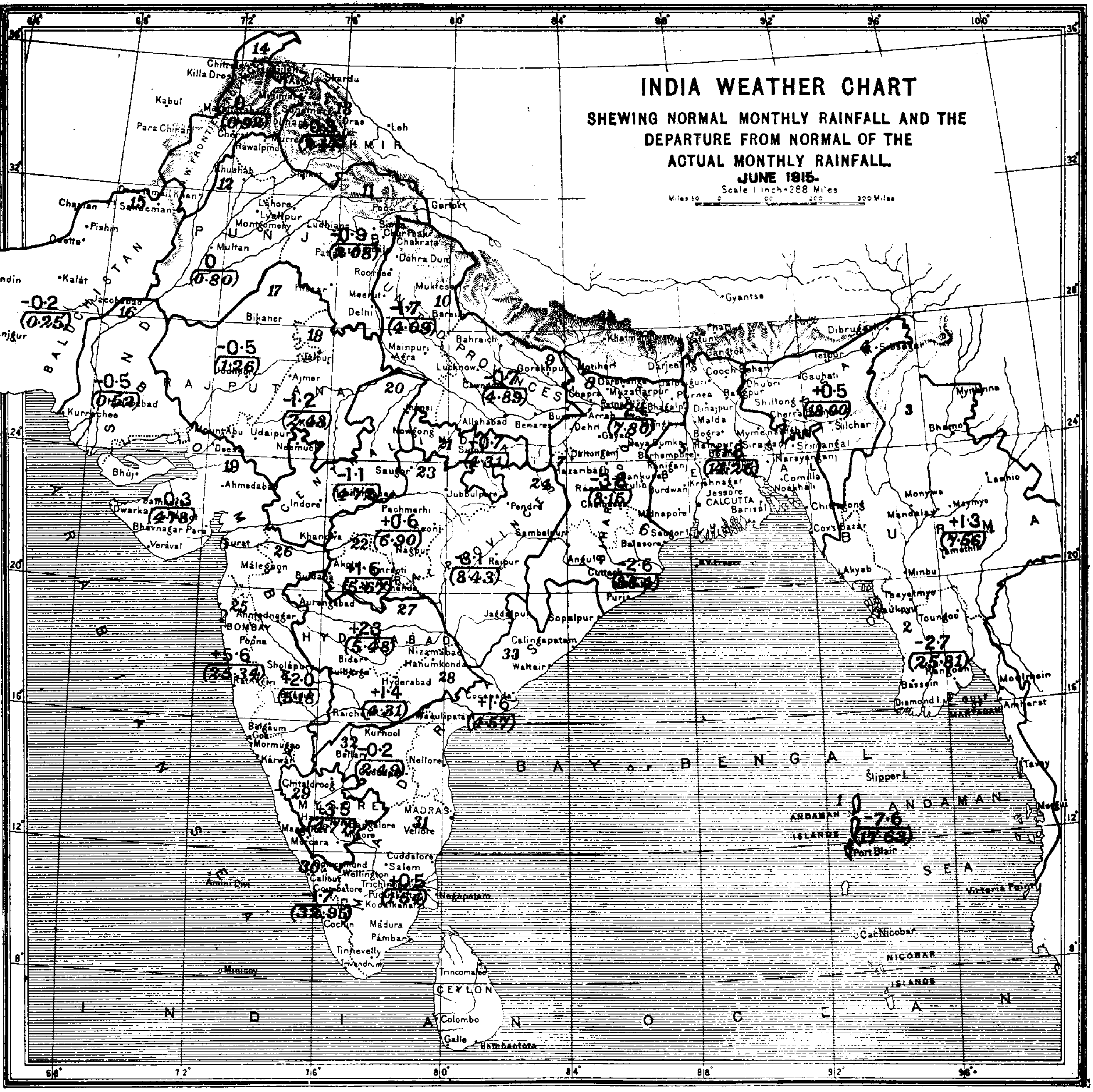


CHART SHEWING THE TOTAL NUMBER OF DAYS IN THE MONTH ON WHICH RAINFALL EQUALLED OR EXCEEDED 0·10 INCH.

(BASED ON THE RETURNS OF TABLE B.)





The country is divided into 33 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. Bengal
6. Orissa
7. Chota Nagpur
8. Bihar
9. United Provinces, East
10. United Provinces, West
11. Punjab, East and North
12. Do., Southwest
13. Kashmir
14. Northwest Frontier Province
15. Baluchistan
16. Sind
17. Rajputana, West
18. Rajputana, East
19. Gujarat
20. Central India, West
21. Do., East
22. Berar
23. Central Provinces, West
24. Do., East
25. Konkan
26. Bombay, Deccan
27. Hyderabad, North
28. Hyderabad, South
29. Mysore
30. Malabar
31. Madras, Southeast
32. Madras, Deccan
33. Madras Coast, North

GOVERNMENT OF INDIA

METEOROLOGICAL DEPARTMENT

MONTHLY WEATHER REVIEW

JULY 1915.

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Continued on page iii of this cover.

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MONTHLY WEATHER REVIEW.

PUBLISHED BY ORDER OF

THE GOVERNMENT OF INDIA.

CALCUTTA, JULY, 1915.

INTRODUCTION.

THIS review of the weather in India during the month of July, 1915, is based on observations taken daily at 8 hrs. at 217 stations, and on additional observations taken at 10 hrs. and 16 hrs. at 14 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, magnetic and seismic 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 monsoon on the whole was neither so steady nor so strong as usual, with the result that the aggregate rainfall in the plains of India fell short of the normal by $1\frac{2}{3}''$ or 15 per cent. The weakness was however shown mainly during the period from the 2nd to the 12th, when an almost complete break obtained over by far the greater part of the country. During the last week of the month on the other hand the monsoon was fully up to its average strength, but its activity was displayed chiefly in the Central Provinces and the United Provinces to the detriment of north-west India over the greater part of which area accordingly drought conditions held during nearly the whole month. Judging by the rain-producing capacity, the Arabian Sea current was decidedly, and the Bay current slightly, weaker than usual.

The distribution of rainfall was roughly similar in general character to that of June. Precipitation due to the Arabian Sea current was appreciably above normal in Madras South-east, Madras Deccan and the Bombay Deccan, and normal or in defect over the rest of its field, while that due to the Bay current was deficient except in Assam. The defect ranged between 20 and 50 per cent. in the Bay Islands, Orissa, Chota Nagpur, United Provinces West, Kashmir, Central India, Konkan and Hyderabad North, and was serious (upwards of 50 per cent.) in the Punjab, the North-West Frontier Province, Baluchistan, Sind, Rajputana and Gujarat. In Sind the month's total fall was only 12 per cent. of the normal and in the Punjab South-west and Rajputana West about 25 per cent.

Of the climatic elements other than rainfall temperature was appreciably high and the air dry generally in north-west and central India. In Burma, north-east India, the United Provinces and the Peninsula the temperature and hygrometric conditions were nearly normal. There was considerably less cloud than usual in Mysore, the Bombay Deccan, the Central Provinces and the plains of north-west India.

Atmospheric pressure averaged over the plains was ·013″ in excess of the normal.

Solar, magnetic and seismic disturbances.

KODAIKANAL OBSERVATORY.

3. *Solar Observations.*—The weather during the month was not very favourable for solar observations. The sun could not be examined at all on 9 days and prominences could not be observed on 4 other days.

Sunspots.—Fourteen new spot groups were observed during the month. The daily average number was 3·5 as against 3·0 in June. The average life of a spot was 5·0 days. Two spots, both occurring in the southern hemisphere, were large; one, No. 2221, was on the sun from the

5th to 17th and the other No. 2229 from the 21st to 29th. The distribution of the spots in latitude was as follows :—

TABLE 1.

—	0°—10°	11°—20°	21°—30°	Mean latitude.	Extreme latitudes.
North	...	6	...	18°·3	16° & 20°
South	...	7	1	18°·4	15° & 25°

Prominences.—Forty seven large, two eruptive, and two metallic prominences were recorded. The greatest height was 140″.

Magnetic disturbances.—One moderate disturbance was recorded on the 6th.

T. ROYDS,
for *Director,*
Kodaikanal and Madras Observatories.

Seismic records.

$\phi = 10° 13' 50''$; $\lambda = 77° 28' 00''$; $h = 2343$ m. Subsoil Rock.

Apparatus.—Milne's Horizontal Pendulum Seismograph.

TABLE 2.

	V	To		$\frac{1}{To^2}$
An :				
Ae :	9·76	18·5	1	2·4
Az :				

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude (μ). An.	Ae.	Az.	Distance Δ (Km.)	Remarks.
1915.		h. m. s.						
July 31st	e P	1 42 54	...	...	...	...	...	
	i L	2 12 36	...	...	...	...	...	
	M	2 19 48	...	...	340	...	...	
	F	5 9 06	...	...	...	...	...	

T. ROYDS,
Assistant Director.

BOMBAY OBSERVATORY.

Alibag magnetic record.

4. During the month of July 1915, the traces showed 15 calm days and 16 days of small disturbance.

The days of the month selected as quiet for the purposes of the Magnetic Survey of India are the 4th, 13th, 16th, 20th and 24th.

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	S	18	C	26	S
3	S	11	S	19	C	27	S
4	C	12	S	20	C	28	S
5	C	13	C	21	C	29	S
6	S	14	C	22	S	30	S
7	C	15	C	23	C	31	S
8	S	16	C	24	C	...	...

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

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° 40′ 34″.
Horizontal force	0·36872 C.G.S. unit.
Vertical force	0·16694 C.G.S. „
Inclination	24° 21″·6.
Horizontal force range . . .	0·00049 C.G.S. unit.
Horizontal force summed range . .	0·00356 C.G.S. „
Declination range	5′·5.
Declination summed range . .	23′·4.

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

Seismic records.

$\phi = 18° 53' 36''$; $\lambda = 72° 48' 56''$; $h = 11$ m, Subsoil Trap.

Apparatus.—Milne's Horizontal Pendulum Seismograph.

TABLE 4.

	V	To	ϵ	$\frac{r}{To^2}$
AN:				
AE:	9	21	1	
AZ:				

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude (u). An.	Ae.	Az.	Distance Δ (Km.)	Remarks.
1915.		h. m. s.						
July 26th	...	6 56 to 59 m.	...	...	...	...	...	Thickening of line.
„ 29th	...	7 21 0	...	...	...	...	...	„
„ 29th	...	7 24 0	...	...	...	...	...	„
„ 31st	P	1 42 36	...	...	...	...	...	
	M	2 20 1	...	...	656	...	...	
	F	4 35 44	...	...	...	...	...	
„ 31st	...	8 30 0	...	...	...	...	...	Thickening of line.

Sensibility to tilt 1·0 mm. of amplitude on the trace=0·31″ from 1st to 18th; 0·30″ from 19th to 27th and 0·29″ from 28th to 31st.

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

5.—CALCUTTA (ALIPORE) OBSERVATORY.

Seismograph dismantled.

6. SIMLA OBSERVATORY.

The Simla Seismograph notes will appear in a future number of the Review.

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

TABLE 5.

Place at which felt.	Date.	G. M. T. of earthquake.		Duration.	Intensity Rossi-Forel scale.	No. of shocks.
		h.	m.	Sec.		
Shillong	July 5th	22	52	1	4	1
Drosh	„ 14th	9	5	10	6	1
Do.	„ 18th	11	15	15	6	1
Akyab	„ 18th	19	39	12	7	2
Shillong	„ 19th	17	48	1	5	1
Drosh	„ 22nd	0	3	20	6	2
Shillong	„ 22nd	21	30	1	4	1
Sitarampuram (Udayagiri Taluk)	„ 24th	4	30	1	...	2
Ditto . . .	„ 25th	5	30	1	...	1
Shillong	„ 26th	23	25	1	5	1
Do. . . .	„ 31st	15	52	1	6	1

Solar radiation.—No observations with the Angstrom's pyrheliometer were possible during the month owing to overcast skies.

C. W. NORMAND,
Imperial Meteorologist, Simla.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

7. No information has been received.

Weather in the Indian Ocean.

8. Over the Indian Ocean as represented by Mauritius, Zanzibar and Seychelles atmospheric pressure was low and the air movement was of the normal character. Conditions over the sea area to the south of India were thus favourable for the prospects of Indian monsoon rainfall in August.

TABLE 6.

—	Mauritius.	Zanzibar.	Seychelles.
Departure from normal of mean pressure	—·013	—·007	—·029
Actual mean wind direction . .	S 69° E	S 11° W	S 36° E
Normal mean wind direction . .	S 64° E	S 15° W	S 33° E
Actual mean wind velocity (miles per diem).	182	154	245
Normal mean wind velocity (miles per diem).	210	185	211
Rainfall departure from normal . .	+0·31	+1·16	—1·51

Depressions and cyclonic storms.

9. The month was remarkably free from cyclonic storms. A wave of low pressure was transmitted from south to north both over the Bay of Bengal and the Arabian Sea during the third week, and in the former area there was an abortive attempt at the concentration of the low pressures into a depression.

Pressure.

10. Barometric pressure was in defect of the normal over practically the whole region from Assam to the North-West Frontier Province as well as in Malabar, and was in excess over the rest of the plains. The excess ranged between ·02″ and ·05″ in Orissa, north Madras, the Central Provinces, Central India West, north Hyderabad, south Rajputana and the northern districts of the Bombay Presidency where it was greatest. In consequence of these anomalous features in the distribution the monsoon trough of low pressure lay somewhat further north than usual.

At the level of the hill stations in north-west India generally pressure was in excess relatively to the plains, or in other words the vertical gradient there was weaker than usual. Similar conditions prevailed in southern India, while in north-east India and the Central Provinces the vertical distribution departed but little from the normal.

TABLE 7.

DIVISION.	Departure from normal of mean 8 hrs. pressure.
	″
Burma	+·006
Assam	—·003
Bengal	+·004
Bihar and Orissa	+·015
United Provinces	+·004
Punjab	—·007
North-West Frontier Province	—·037
Sind	+·024
Rajputana	+·020
Bombay	+·031
Central India	+·024
Central Provinces	+·026
Hyderabad	+·019
Mysore	+·010
Madras	+·012

TABLE 8.

HILL STATION.	Departure from normal pressure. A	PLAIN STATION.	Departure from normal pressure. B	Departure of pressure difference. B—A.
	″		″	″
Quetta	+·023	Jacobabad	+·009	—·014
Leh	+·013	Lahore	—·010	—·023
Murree	+·021	Peshawar	—·031	—·052
Simla	+·030	Ludhiana	+·005	—·025
Chakrata	+·060	Roorkee	+·002	—·058
Darjiling	—·005	Dhubri	—·004	+·001
Mount Abu	+·041	Deesa	+·050	+·009
Pachmarhi	+·023	Khandwa	+·037	+·014
Kodaikanal	+·025	Madura	+·002	—·023

Temperature.

11. Weather was appreciably warmer than usual in the plains of north-west India, but over the rest of the country the temperature conditions were on the mean of the month very nearly normal. The excess in north-west India persisted during nearly the whole month, and was on the whole somewhat more marked in the day than in the night.

TABLE 9.

Sub-division.	Actual temperature.					Departure from normal of		
	Mean maximum.	Mean minimum.	Monthly mean of mean between maximum and minimum.	Mean daily range of temperature.	Absolute range during month.	Maximum.	Minimum.	Daily range.
	°	°	°	°	°	°	°	°
1. Bay Islands	86·4	78·5	82·5	7·9	15·7	+1·1	+1·3	—0·2
2. Lower Burma	85·8	75·8	80·8	10·0	18·7	+1·2	+0·7	+0·5
3. Upper Burma	89·1	76·0	82·6	13·1	22·2	—0·6	+0·2	—0·8
4. Assam	87·7	77·2	82·5	10·5	21·3	—1·3	—0·1	—1·2
5. Bengal	88·9	78·9	83·9	10·0	20·4	+0·9	+0·7	+0·2
6. Orissa	90·2	78·8	84·5	11·4	23·7	+1·8	+0·6	+1·2
7. Chota Nagpur	91·5	77·6	84·5	13·9	25·9	+2·3	+1·3	+1·0
8. Bihar	91·2	79·5	85·3	11·6	21·8	+0·8	+0·9	—0·1
9. United Provinces, East	93·2	80·1	86·7	13·2	25·1	+1·0	+0·5	+0·5
10. Do., West	95·9	80·8	88·4	15·1	30·1	+2·9	+1·3	+1·6
11. Punjab, East and North	102·7	82·7	92·7	20·0	36·0	+5·6	+2·9	+2·7
12. Do., South-west	108·0	86·3	97·2	21·6	36·3	+4·5	+3·3	+1·2
13. Kashmir	83·9	57·5	70·7	26·3	42·6	+2·0	+0·1	+1·9
14. North-West Frontier Province	108·6	83·3	95·9	25·3	40·7	+5·7	+2·5	+3·2
15. Baluchistan	100·9	73·1	87·0	27·9	44·5	+1·3	+1·4	—0·1
16. Sind	101·4	83·6	92·5	17·8	30·6	+2·8	+1·7	+1·1
17. Rajputana, West	103·3	82·7	93·1	20·6	31·1	+4·0	+0·9	+3·1
18. Do., East	100·3	82·1	91·2	18·2	31·7	+6·5	+3·0	+3·5
19. Gujarat	93·5	79·7	86·6	13·8	22·8	+3·8	+1·4	+2·4
20. Central India, West	92·3	76·0	84·1	16·3	27·9	+5·7	+2·5	+3·2
21. Do., East	91·5	79·2	85·4	12·3	22·5	+2·1	+1·1	+1·0
22. Berar	89·8	75·0	82·4	14·7	26·8	+2·8	+2·1	+0·7
23. Central Provinces, West	89·1	75·7	82·4	13·3	25·1	+2·4	+1·2	+1·2
24. Do., East	87·9	75·0	81·5	12·9	25·8	+2·1	+1·2	+0·9
25 Konkan	85·2	77·3	81·3	7·9	14·0	+1·4	+1·1	+0·3
26. Bombay Deccan	86·1	71·2	78·7	14·9	26·5	+1·9	+0·7	+1·2
27. Hyderabad, North	88·2	72·9	80·5	15·3	25·3	+1·2	+2·0	—0·8
28. Do., South	90·9	74·9	82·9	15·9	27·2	+2·0	+1·5	+0·5
29. Mysore	82·5	67·7	75·1	14·9	23·2	+1·6	+1·0	+0·6
30. Malabar	83·0	74·7	78·9	8·3	16·6	+0·1	+0·7	—0·6
31. Madras, South-east	93·1	77·0	85·1	16·1	28·0	—1·2	+0·4	—1·6
32. Do. Deccan	93·8	77·1	85·4	16·7	31·3	+0·9	+1·2	—0·3
33. Do. Coast, North	91·9	79·7	85·8	12·3	25·8	+0·7	+0·9	—0·2

TABLE 10.

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

Winds.

12. (*a*) In Assam, Bihar and Orissa, the United Provinces, the Punjab and Rajputana winds had greater steadiness than usual, but in most other parts of India the steadiness was below the normal.

(*b*) The velocity was appreciably low in Bengal, Bombay and the North-West Frontier Province, but in Sind, the Punjab, Rajputana, Central India, the Central Provinces and the greater part of the Peninsula winds were appreciably above their normal strength.

(*c*) The usual northerly element in the wind direction was weak or altogether absent on the Malabar coast, but in general the air currents over India followed their normal course.

TABLE 11.

Division.	Departure from normal of	
	Hourly wind velocity.	Wind steadiness.
Burma	+0·3	— 8
Assam	+0·1	+14
Bengal	—1·0	— 3
Bihar and Orissa	—0·1	+ 7
United Provinces	—0·3	+ 3
Punjab	+1·1	+12
North-West Frontier Province	—0·7	— 3
Sind	+1·1	+ 4
Rajputana	+3·2	+16
Bombay	—1·6	—12
Central India	+0·9	— 2
Central Provinces	+1·2	—11
Hyderabad	—0·2	— 6
Mysore	+0·7	— 3
Madras	+0·5	— 5

Humidity and cloud.

13. Absolute humidity or vapour tension and relative humidity had very similar distribution. Over Kashmir, the Punjab, the North-West Frontier Province, Rajputana and in parts of Baluchistan, Central India and the Central Provinces an appreciable defect occurred, but elsewhere conditions were nearly normal.

Cloud amount was low over the greater part of the country, but the defect was large only in Mysore, Bombay, the Central Provinces, the United Provinces and north-west India excluding Baluchistan.

TABLE 12.

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	0	·889	+·006	7·7	—0·5
Assam	91	+ 1	·941	—·002	6·9	—0·6
Bengal	89	— 1	·979	+·007	7·6	—0·1
Bihar and Orissa	84	— 3	·931	—·003	7·1	—0·1
United Provinces	78	— 4	·922	—·006	6·2	—0·7
Punjab	60	— 9	·810	—·046	2·6	—1·5
North-West Frontier Province.	55	—10	·803	—·052	1·9	—0·8
Sind	71	— 1	·931	+·032	4·0	—0·9
Rajputana	61	—11	·754	—·075	4·5	—1·4
Bombay	82	— 2	·853	+·007	7·1	—0·8
Central India	76	— 7	·809	—·023	7·6	—0·4
Central Provinces	78	— 6	·777	—·020	6·8	—0·8
Hyderabad	77	— 4	·736	+·008	7·2	0
Mysore	83	— 1	·647	+·007	8·1	—0·8
Madras	78	+ 1	·829	+·020	6·6	—0·8

Rainfall.

14. Both branches of the monsoon current were weak and the total rainfall provided by them in the plains of India fell short of the normal by 1¾ or 15 per cent. The defect was not however common to all parts of the country, for Assam, Madras South-east and the Madras Deccan had considerably more than their proper share, while the amounts recorded in Burma, Bihar, the United Provinces East, the whole of the Central Provinces, Hyderabad South, the Madras Coast North, Mysore and the Bombay Deccan departed to only a small extent from their ordinary values. In the region of deficient rainfall the shortage was greatest in absolute amount in the Konkan (18″) and Gujarat (9″), and by percentage comparison with the normal in Sind (88 per cent.), the Punjab South-west (77 per cent.) and Rajputana West (75 per cent.)

TABLE 13.

Sub-division.	Number of rainy days.		Rainfall.			
	Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
			″	″	″	
1. Bay Islands	15·0	18·6	10·77	14·79	—4·02	— 27
2. Lower Burma	23·2	25·0	30·66	30·86	—0·20	— 1
3. Upper Burma	10·3	9·6	6·61	6·54	+0·07	+ 1
4. Assam	19·7	19·0	24·68	18·10	+6·58	+ 36
5. Bengal	14·7	16·9	14·27	15·63	—1·36	— 9
6. Orissa	12·1	15·5	9·34	13·03	—3·69	— 28
7. Chota Nagpur	12·1	15·9	9·73	13·36	—3·63	— 27
8. Bihar	12·4	14·0	11·94	12·53	—0·59	— 5
9. United Provinces, East	11·5	12·6	10·91	11·57	—0·66	— 6
10. Do., West	9·4	11·7	9·54	11·88	—2·34	— 20
11. Punjab, East and North	3·9	6·8	2·60	6·30	—3·70	— 59
12. Do., South-west	1·2	3·1	0·57	2·45	—1·88	— 77
13. Kashmir	5·5	7·6	3·65	6·88	—3·23	— 47

Sub-division.	Number of rainy days.		Rainfall.			
	Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
			"	"	"	
14. North-West Frontier Province	2·8	4·1	1·22	3·00	—1·78	— 59
15. Baluchistan	0·6	1·4	0·31	0·82	—0·51	— 62
16. Sind	1·1	2·7	0·31	2·55	—2·24	— 88
17. Rajputana, West	1·5	4·9	0·95	3·86	—2·91	— 75
18. Do., East	4·9	9·8	3·12	8·48	—5·36	— 63
19. Gujarat	7·5	12·9	4·76	13·48	—8·72	— 65
20. Central India, West	8·1	12·6	5·95	10·82	—4·87	— 45
21. Do., East	8·7	12·6	8·00	12·05	—4·05	— 34
22. Berar	11·3	12·2	9·01	9·42	—0·41	— 4
23. Central Provinces, West	12·5	15·1	14·49	14·02	+0·47	+ 3
24. Do., East	13·4	16·5	14·85	15·48	—0·63	— 4
25. Konkan	20·0	26·4	27·88	40·55	—12·67	— 31
26. Bombay Deccan	11·5	11·5	8·69	8·00	+0·69	+ 9
27. Hyderabad, North	10·4	11·9	5·09	8·14	—3·05	— 37
28. Do., South	9·3	10·3	6·00	6·05	—0·05	— 1
29. Mysore	9·6	9·7	6·55	7·18	—0·63	— 9
30. Malabar	22·7	27·5	33·82	39·21	—5·39	— 14
31. Madras, South-east	6·2	3·6	4·47	1·93	+2·54	+131
32. Do. Deccan	7·8	6·1	5·02	3·04	+1·98	+ 65
33. Do. Coast, North	9·2	9·6	5·74	6·26	—0·52	— 8

TABLE 14.

Division.	Rainfall.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Burma	15·96	16·09	—0·13	— 1
Assam	24·62	18·10	+6·58	+ 36
Bengal	14·27	15·63	—1·36	— 9
Bihar and Orissa	10·74	12·85	—2·11	— 16
United Provinces	10·16	11·74	—1·58	— 13
Punjab	2·10	5·36	—3·26	— 61
North-West Frontier Province	1·22	3·00	—1·78	— 59

Division.	Rainfall.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Sind	0·31	2·55	—2·24	— 88
Rajputana	2·40	7·07	—4·67	— 66
Bombay	10·87	15·61	—4·74	— 30
Central India	6·86	11·43	—4·57	— 40
Central Provinces	13·09	13·30	—0·21	— 2
Hyderabad	5·54	7·09	—1·55	— 22
Mysore	6·55	7·18	—0·63	— 9
Madras	7·57	6·73	+0·84	+ 12
Mean of India	9·32	10·99	—1·67	— 15

Snowfall.

I.—AFGHANISTAN.

15. No snow fell on the hills around Kabul. By the end of the month the winter accumulations had melted away except from the ridges of the surrounding hills.

II.—NORTH-WEST FRONTIER PROVINCE.

(*a*) *Kurram.*—As is ordinarily the case, the accumulations had disappeared entirely from the Agam and Peiwar passes, but not from deep *nullahs.*

(*b*) *Drosh.*—There were two slight falls on very high hills. At the end of the month the existing accumulations as well as the area covered differed little from the normal.

(*c*) *Khyber.*—No snow fell, but the previous accumulations on the Sufed Koh were somewhat above the normal and also extended over a larger area than usual at the end of July.

(*d*) *Dir and Swat.*—No snow fell.

(*e*) *Hazara.*—Light falls occurred in the Kagan valley at an elevation of 15,000 to 17,000 feet on the 23rd, 24th and 26th. By the end of the month all the ranges and passes had become clear of snow.

III.—KASHMIR.

No snow is reported to have fallen. At the end of the month about 2 feet of snow still remained unmelted on the hills surrounding Kargil.

IV.—PUNJAB.

(*a*) *Chamba.*—There was a very light fall on the 5th on the higher points of the Bharmaur range (Ravi valley).

(*b*) *Kangra.*—No snow fell, but about a foot of snow still lay unmelted on the Srikhand range (elevation 18,000 feet) and half that amount on the Boja Dhar.

(*c*) *Kilba* (*Simla Hills*).—There was no snowfall and by the close of the month the Harang, Rupin and Brua passes had become bare of snow: on the Shatul pass snow lay in patches.

V.—UNITED PROVINCES.

(*a*) *Garhwal.*—Snow fell on the 10th, 11th, 12th, 16th and 19th on peaks above 22,000 feet in height. The accumulations on the higher elevations were of about normal thickness.

(*b*) *Almora.*—During the month snow fell to a depth of 4 feet in Malla Darma, 3 feet in Byans, 1½ feet in Chaudas and ½ foot in Malla Danpur. The snowline came down to a distance of 3 miles from the perpetual snows in Malla Darma.

TABLE 15.

Name of pass or peak.		Depth of accumulation.	
		Reported.	Normal.
		Feet.	Feet.
Nuwe	pass	13	15
Binkaru	"	4	13
Lampia	"	5	½
Lipulekh	"	2½	3½
Pindari	peak	¾	½
Kaphini	"	¾	½

SUMMARY.

16. In the mountain zone bordering upper India there were only a few light local falls and the accumulations existing at the end of July were on the whole nearly normal both in depth and extent.

HEM RAJ.

Table A.—Abstract of observations taken at 10 hrs. and 16 hrs. at 14 stations in India, etc., in July, 1915.

Table

Abstract of observations taken at 10 hrs. and 16 hrs. at 13

Number of sub-division.	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
	III.—Bengal.																					
5	Calcutta	21	29·591	29·499	·092	29·551	+·011	29·519	90·5	79·7	10·8	96·6	73·2	22·4	86·2	87·3	84·8	+1·8	77·8	81·0	81·6	80·1
	VI.—Punjab.																					
11	Lahore	702	28·792	28·695	·097	28·740	−·028	29·375	106·9	85·4	21·5	111·5	74·8	36·7	96·3	105·4	95·3	+6·2	76·8	80·1	81·8	79·6
	IX.—Rajputana.																					
18	Jaipur	1,431	28·156	28·059	·097	28·106	−·009	29·429	100·2	82·0	18·2	107·5	77·8	29·7	90·2	97·5	89·9	+5·2	74·4	77·0	77·8	76·4
	X.—Bombay.																					
25	Bombay	37	29·730	29·657	·073	29·692	+·020	29·670	86·4	79·1	7·3	89·1	75·4	13·7	82·9	84·4	81·2	+1·7	74·5	79·0	79·6	77·7
	XIV.—Mysore.																					
29	Bangalore	3,021	26·876	26·780	·096	26·836	+·008	29·665	83·1	67·6	15·5	91·1	65·1	26·0	76·3	80·7	73·4	+1·4	65·9	69·4	69·9	68·4
	XV.—Madras.																					
31	Pudukkottai	318	29·491	29·380	·111	29·435		29·677	96·2	76·9	19·3	104·5	71·4	33·1	87·5	93·0	86·6			77·4	78·8	
	Madras	22	29·762	29·658	·104	29·721	+·003	29·674	94·2	78·7	15·5	105·8	70·6	35·2	87·7	89·1	85·0	−0·7	74·8	78·5	79·6	77·6
	Hill stations, excluding Kashmir and Baluchistan.																					
	Saraia		23·037	22·988	·049	23·009		22·970	74·2	59·5	14·7	77·6	54·5	23·1	68·5	71·4	66·4			61·7	63·5	
	Kalabagh																					
	Mukteswar	7,592	22·742	22·686	·056	22·712		22·670	69·8	59·1	10·7	74·5	54·8	19·7	63·6	66·5	61·0		57·9	61·2	62·6	60·6
	Katmandu	4,388	25·560	25·480	·080	25·518	+·128†	25·472	82·5	69·3	13·2	87·4	63·9	23·5	77·1	78·4	75·5	+0·4†	67·1	71·3	72·2	70·2
	Kodaikanal	7,688	22·805	22·749	·056	22·777		22·712	64·1	53·7	10·4	70·0	51·9	18·1	61·1	59·8	58·9		51·8	57·5	57·3	55·5
	Dodabetta	8,539†	22·002	21·955	·047	21·979		21·914	56·9	49·2	7·7	61·8	45·7	16·1	54·8	54·7	51·4		44·8	52·5	53·0	50·1
	Extra India.																					
	Diego Garcia																					
	Seychelles	15	30·001	29·925	·076	29·964	−·029†	29·902	80·7	76·7	4·0	82·0	74·1	7·9	79·0	80·1	77·4	+1·0†	69·7	72·9	73·6	72·1
	Mauritius	191				29·998	−·013	30·128									68·1	+0·5				60·7

N.B.—Elevations in italics indicate barometric 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.

† Departure from old normal.

A.

stations in India, etc., in July, 1915.

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 sub-division.
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
																															III.—Bengal.	
·925	985	1·013	971	0	9[illegible]	79	78	84	−3	·5	8·6	8·5	−0·1	8	0	0	4	10	13	24	3	0	S 14° W	S 1° W	61	63	87	88	10·52	3·63	Calcutta	5
																															VI.—Punjab.	
·807	·807	·765	·811	−·052	67	43	34	51	−14	1·1	1·2	1·1	−3·2	11	2	2	6	15	2	11	7	6	S 4° W	S 78° E	29	30	60	60	0·84	0·30	Lahore	11
																															IX.—Rajputana.	
·761	·763	·707	·753	−·081	70	54	41	57	+11	4·9	5·8	5·3	−2·1	2	1	2	2	2	2	14	34	3	S 78° W	N 78° W	68	30	164	95	3·23	1·97	Jaipur	18
																															X.—Bombay.	
·786	·939	·945	·905	−·016	80	83	80	82	−5	8·0	7·7	7·9	−0·8	0	1	3	2	1	5	18	27	5	S 73° W	S 75° W	64	83	200	340	14·62	3·32	Bombay	25
																															XIV.—Mysore.	
·818	·638	·609	·622	+·015	92	71	60	75	−2	8·3	8·2	8·3		0	1	0	0	0	1	23	31	6	S 77° W	S 72° W	85	88	199	168	3·59	1·02	Bangalore	29
																															XV.—Madras.	
	·805	·808				62	53			5·4	7·1	6·3		2	3	0	0	3	3	21	13	17	S 83° W		61		116		5·17	2·15	Pudukkottai	31
·810	·848	·883	862	+·050	83	65	66	73	+5	5·7	6·0	5·9	−1·4	0	0	1	2	10	6	27	12	4	S 40° W	S 51° W	61	66	125	139	8·87	3·00	Madras.	
																															Hill stations, excluding Kashmir and Baluchistan.	
	·481	·506				67	66			7·3	6·2	6·7																	8·71	2·70	Sarain.	
																															Kalabagh.	
·469	·516	·527	·508		93	88	82	88		8·7	8·1	8·4		6	1	0	4	4	3	2	40	2	S 82° W		58		172		9·58	1·96	Mukteswar.	
·637	·700	722	·690	−·003	89	76	75	80	−1	7·4	8·1	7·5	+0·7	0	0	0	24	0	1	0	36	1	S 89° W	S 63° W	21	11	12	15	17·61	3·25	Katmandu.	
·363	·435	·444	·414		88	82	87	86		7·7	9·2	8·5		0	1	2	2	6	3	2	33	13	N 85° W		58		225		6·22	1·04	Kodaikanal.	
·250	·374	·383	·330		72	88	91	84		8·7	9·3	9·0		0	0	0	0	0	0	33	27	2	S 67° W		91		195		8·41	1·11	Dodabetta.	
																															Extra India.	
																															Diego Garcia.	
·635	·731	·745	·719	−·032	69	74	72	73	−5	5·5	6·1	5·8	+0·2†	0	0	1	1	46	12	2	0	0	S 36° E	S 33° E	90	86	245	211	0·90	0·33	Seychelles.	
			·533	+·022				73	+2			4·9	+0·1										S 69° E	S 64° E			182	210	2·75	0·67	Mauritius.	

† Departure from old normal.

Table B.—Abstract of observations taken at 8 hrs. at 217 stations in India, etc., in July, 1915.

(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 2,300 stations.

Division.	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	+·006	87·2	+0·3	75·0	+0·5	81·5	+0·4	11·3	20·1	+0·3	− 8	89	0	·889	+·006	7·7	−0·5	16·06	16·09	−0·03
Assam	−·003	87·7	−1·3	77·2	−0·1	82·5	−0·7	10·5	21·3	+0·1	+14	91	+ 1	·941	−·002	6·9	−0·6	24·68	18·10	+6·58
Bengal	+·004	88·9	+0·9	78·9	+0·7	83·9	+0·8	10·0	20·4	−1·0	− 3	89	− 1	·979	+·007	7·6	−0·1	14·27	15·63	−1·36
Bihar and Orissa	+·015	90·9	+1·5	78·9	+0·9	84·9	+1·2	12·1	23·3	−0·1	+ 7	84	− 3	·931	−·003	7·1	−0·1	10·74	12·85	−2·11
United Provinces of Agra and Oudh	+·004	94·5	+1·9	80·4	+0·9	87·4	+1·4	14·1	27·4	−0·3	+ 3	78	− 4	·922	−·006	6·2	−0·7	10·16	11·74	−1·58
Punjab	−·007	104·5	+5·3	83·9	+3·0	94·2	+4·1	20·5	36·1	+1·1	+12	60	− 9	·810	−·046	2·6	−1·5	2·10	5·36	−3·26
North-West Frontier Province	−·037	108·6	+5·7	83·3	+2·5	95·9	+4·1	25·3	40·7	−0·7	− 3	55	−10	·803	−·052	1·9	−0·3	1·22	3·00	−1·78
Sind	+·024	101·4	+2·8	83·6	+1·7	92·5	+2·2	17·8	30·6	+1·1	+ 4	71	− 1	·931	+·032	4·0	−0·9	0·31	2·55	−2·24
Rajputana	+·020	101·5	+5·5	82·3	+2·2	91·9	+3·8	19·2	31·4	+3·2	+13	61	−11	·754	−·075	4·5	−1·4	2·40	7·07	−4·67
Bombay	+·031	89·4	+2·7	76·5	+1·1	83·0	+1·9	12·9	22·1	−1·6	−12	82	− 2	·853	+·007	7·1	−0·8	10·87	15·61	−4·74
Central India	+·024	91·9	+3·9	77·6	+1·8	84·8	+2·9	14·3	25·2	+0·9	− 2	76	− 7	·899	−·022	7·6	−0·4	6·86	11·43	−4·57
Central Provinces	+·026	88·9	+2·4	75·4	+1·4	82·1	+1·9	13·5	25·7	+1·2	−11	78	− 6	·777	−·020	6·8	−0·8	13·09	13·30	−0·21
Hyderabad	+·019	89·7	+1·7	74·1	+1·7	81·9	+1·6	15·6	26·4	−0·2	− 6	77	− 4	·736	+·008	7·2	0	5·54	7·09	−1·55
Mysore	+·010	82·5	+1·6	67·7	+1·0	75·1	+1·3	14·9	23·2	+0·7	− 3	83	− 1	·647	+·007	8·1	−0·8	6·55	7·18	−0·63
Madras	+·012	91·1	−0·2	77·3	+0·7	84·2	+0·2	13·8	25·9	+0·5	− 5	78	+ 1	·829	+·020	6·6	−0·3	7·57	6·73	+0·84

Table

(2) Abstract of observations taken at 8 hrs. at 217

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.	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	147	29·736		29·812	29·838	23rd	29·626	17th	·212	80·4	84·6		75·2		79·9		9·4	86·8	22nd	71·2	26th	15·6
	Mergui	66	29·806	+·009	29·802	29·902	23rd	29·703	31st	·199	77·0	84·6	−0·1	73·1	+0·1	78·8	0	11·5	89·8	14th	70·9	30th & 31st.	18·9
	Tavoy	19	29·843	−·005	29·795	29·956	23rd	29·737	17th & 19th.	·219	78·2	85·9	+2·8†	75·6	+1·4	80·7	+2·1†	10·3	91·0	16th	73·0	25th	18·0
	Moulmein	94	29·743	+·019	29·775	29·874	23rd	29·602	31st	·27[illegible]	77·5	84·7	+1·6	75·2	+1·0	79·9	+1·3	9·5	92·5	18th	72·0	27th	20·5
	Rangoon	18	29·790	+·017	29·745	29·924	23rd	29·639	31st	28	80·0	87·1	+1·9	76·3	+0·4	81·7	+1·1	10·8	92·5	18th	73·9	13th & 25th.	18·6
	Bassein	27	29·756	+·006	29·720	29·893	23rd	29·627	31st	·266	80·1	86·6	+1·6	77·3	+1·3	82·0	+1·5	9·3	91·7	8th	74·8	27th	16·9
	Diamond Island	41	29·716	+·009	29·722	29·876	23rd	29·608	31st	·268	82·3†	86·3†	+1·9†	78·1†	+2·1†	82·2†	+2·0	8·2	88·8	11th	73·8	27th & 31st	15·0
	Toungoo	162	29·621	+·015	29·727	29·745	23rd	29·466	31st	·27[illegible]	79·6	87·8	+0·9	75·6	+0·7	81·7	+0·8	12·2	94·9	18th	73·5	28th	21·4
	Kyaukpyu	18	29·686		29·647?	29·855	23rd	29·515	31st	·340	80·5	85·3		75·3		80·3		10·0	92·6	21st	71·3	26th	21·3
	Akyab	20	29·698	+·015	29·659	29·861	11th	29·512	28th	·34[illegible]	80·1	85·4	+0·9	76·4	−0·9	80·9	0	9·0	92·9	21st	72·0	12th	20·9
	Minbu	*165*	29·553	−·001	29·660	29·685	10th	29·396	31st	·290	80·9	88·8	−2·0	77·1	−0·2	82·9	−1·1	11·7	94·3	18th & 19th.	75·4	26th	18·9
	Yamethin	657	29·691	+·011	29·696	29·717	23rd	28·937	3rd	·280	76·0	89·2	−0·4	75·7	+0·5	82·5	+0·3	13·5	98·3	19th	74·0	10th, 13th & 14th.	24·3
	Mandalay*	250	29·473	+·012	29·669	29·598	23rd	29·294	3rd	·304	83·4	94·1	−0·4	78·7	+0·1	86·4	−0·1	15·4	100·0	19th	75·9	15th	24·1
	Monywa	*280*	29·414	−·011	29·641	29·551	23rd	29·225	3rd	·326	81·9	93·5	−1·4	79·7	+0·6	86·6	−0·4	13·8	99·2	19th	76·8	14th	22·4
	Lashio	*2,820*	26·950	−·019	26·896	27·060	16th	26·776	3rd	·290	73·1	82·7	−0·6	70·6	+0·8	76·6	+0·1	12·1	86·7	18th	67·5	9th	19·2
	Bhamo	*361*	29·330	+·022	29·642	29·449	22nd	29·157	3rd	·292	79·0	88·8	+0·9	74·8	−0·3	81·8	+0·3	14·0	94·4	17th	71·0	10th	23·4
	Myitkyina	458	29·207	−·008	29·623	29·332	16th	29·025	3rd	·307	77·7	86·7	−0·4	75·6	−0·2	81·1	−0·3	11·1	94·8	19th	72·0	10th & 11th.	22·8
	II.—Assam.																						
4	Dibrugarh	352	29·282	−·013	29·596	29·463	16th	29·108	3rd	·355	77·5	84·5	−2·7	74·8	−0·6	79·7	−1·7	9·7	91·2	29th	70·5	10th	20·7
	Sibsagar	333	29·323	+·001	29·613	29·524	16th	29·146	2nd	·378	80·2	86·8	−2·8	77·5	−0·3	82·2	−1·5	9·3	91·9	29th	70·0	10th	21·9
	Tezpur	252	29·385	0	29·593	29·586	16th	29·213	3rd	·373	80·3	88·4	−1·0	77·5	−0·2	82·9	−0·6	10·9	92·8	28th & 29th.	73·4	11th	19·4
	Gauhati	196	29·445	+·005	29·591	29·644	16th	29·258	3rd	·386	82·2	88·8	−0·6	78·0	0	83·9	−0·3	11·8	94·3	22nd	75·1	10th, 11th & 12th.	19·2
	Dhubri	115	29·498	−·004	29·567	29·724	16th	29·341	28th	·383	81·6	85·7	−0·4	78·8	+0·6	82·3	+0·1	6·9	90·3	22nd	74·3	12th	16·0
	Silchar	104	29·559	−·005	29·615	29·762	16th	29·349	28th	·413	80·7	88·6	−1·5	77·5	+0·3	83·0	−0·6	11·1	98·6	29th	72·2	10th	26·4
	Srimangal	66	29·522‡		29·567‡	29·740	16th	29·362	3rd	·378	79·0	90·1	+0·1	76·3	−0·2	83·2	−0·1	13·8	96·7	29th	71·2	10th	25·5
	III.—Bengal.																						
5	Cox's Bazar	36	29·636		29·617	29·799	12th	29·412	28th	·387	80·0	86·6		76·9		81·7		9·7	92·1	21st	71·7	12th	20·4
	Chittagong	87	29·580	+·007	29·612	29·754	16th	29·365	28th	·389	80·9	86·2	+0·4	77·0	+0·5	81·6	+0·5	9·2	93·6	19th	73·2	13th	20·4
	Noakhali	43	29·608	+·007	29·598	29·793	16th	29·395	28th	·398	81·9	87·2	+1·5	78·7	+1·3	82·9	+1·4	8·5	93·0	19th	74·3	12th	18·7
	Barisal	12	29·618	+·010	29·577	29·801	16th	29·383	28th	·418	82·4	88·4	+1·0	78·9	+0·3	83·6	+0·7	9·5	96·6	11th	74·5	12th	22·1
	Narayanganj	26	29·591	−·006	29·566	29·792	16th	29·381	28th	·411	82·9	88·8	+0·6	79·2	+0·1	84·0	+0·3	9·6	94·7	20th	76·2	12th & 15th.	18·5
	Mymensingh	63	29·561	−·004	29·576	29·769	16th	29·388	3rd	·381	81·5	87·9	+0·5	79·1	+0·9	83·5	+0·7	8·9	94·4	20th	73·2	12th	21·2
	Bogra	75	29·532	−·006	29·558	29·765	16th	29·355	3rd	·410	82·5	89·3	+0·4	79·6	+1·1	84·5	+0·7	9·7	94·5	20th	76·0	11th	18·5
	Dinajpur	123	29·459	−·016	29·535	29·693	16th	29·282	3rd	·413	82·4	89·8	+0·4	79·2	+0·6	84·5	+0·5	10·6	94·3	10th	77·0	8th & 12th.	17·3
	Jalpaiguri	283	29·336	+·003	29·574	29·568	16th	29·172	3rd	·396	81·1	89·2	+0·8	77·7	+0·6	83·4	+0·7	11·5	94·5	20th	74·3	12th	20·2

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

* Mean of 30 days.
† " " 26 "
‡ " " 29 "

B.

stations in India, etc., in July, 1915.

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, 1915.	Normal rainfall for period, 1st May to 31st July.	Departure from normal of period, 1st May to 31st July, 1915.	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.
7	1	0	4	7	2	6	4	0	S 4° E		5·6			33		86		·886		6·7		17			22·54			57·90			3·48	Victoria Point.
19	0	0	2	5	2	1	1	1	S 30° E	S 70° W	2·3	1·3	+1·0	20	−35	96	+ 3	·893	+·012	5·7	−0·7	18	25·4	− 7·4	19·92	30·99	−11·07	50·48	78·48	−28·00	3·45	Mergui.
14	0	1	1	3	0	12	0	0	S 25° W	S 61° W	1·8	1·2	+0·6	37	+19	92	− 1	·882	+·015	7·2	−0·6	24	27·0	− 3·0	46·01	48·07	− 2·06	97·56	116·23	−18·67	4·24	Tavoy.
0	0	2	1	6	10	11	1	0	S 6° W	S 2° E	9·7	2·8	+6·9	69	+26	95	+ 2	·896	+·028	9·3	+0·7	24	27·7	− 3·7	43·23	45·51	− 2·28	91·03	101·92	−10·89	3·90	Moulmein.
1	1	2	2	3	15	5	1	1	S 1° E	S 45° W	4·9	3·7	+1·2	56	−18	91	− 2	·927	+·016	9·4	+0·4	24	25·2	− 1·2	21·15	20·93	+ 0·22	61·08	50·73	+10·35	3·15	Rangoon.
12	0	0	0	2	10	6	1	0	S 14° W	S 18° W	4·5	3·3	+1·2	56	− 9	90	− 3	·943	+·016	7·5	−0·3	22	26·1	− 4·1	19·26	24·77	− 5·51	54·67	58·03	− 3·36	2·86	Bassein.
1	1	1	1	3	6	15	3	0	S 30° W	S 43° W	10·0	7·7	+2·3	66	−15	84*	− 2	·924*	+·013	7·3	−1·2	18	23·2	− 5·2	19·35	25·54	− 6·19	57·83	60·47	− 2·64	2·88	Diamond Island.
2	1	2	0	13	12	0	1	0	S 27° E	S 31° E	3·5	3·8	−0·3	69	−17	91	0	·913	+·006	9·3	0	24	24·4	− 0·4	17·23	17·60	− 0·37	43·32	38·93	+ 4·39	2·15	Toungoo.
2	0	2	7	4	8	6	1	0	S 24° E		3·9			49		90		·931		9·5		24			64·11			125·32			8·77	Kyaukpyu.
4	3	1	2	4	7	6	2	2	S 14° W	S 38° E	3·7	2·8	+0·9	30	−25	94	0	·956	−·004	7·1	−1·9	26	27·6	− 1·6	72·95	52·77	+20·18	160·63	109·45	+51·18	13·46	Akyab.
2	0	0	0	28	1	0	0	0	S 43° E	S 39° E	3·3	9·0	−5·7	92	0	84	0	·877	0	6·9	−0·1	18	8·7	+ 9·3	7·63	4·19	+ 3·44	21·15	14·74	+ 6·43	1·09	Minbu.
3	0	0	0	13	13	2	0	0	S 18° E	S 28° E	3·3	7·6	−4·3	82	−10	86	+ 1	·857	+·021	6·5	−0·9	10	9·0	+ 1·0	3·56	4·05	− 0·49	21·15	15·29	+ 5·89	0·81	Yamethin.
4	0	0	0	11	14	1	0	0	S 18° E	S 5° E	7·0†	6·6	+0·4	76	− 5	75	0	·845	−·001	4·4	−1·9	4	5·9	− 1·9	3·70	3·26	+ 0·44	20·71	14·29	+ 6·42	1·44	Mandalay.
2	0	1	0	17	8	2	0	1	S 28° E		3·7			76		81	+ 1	·875	−·010	7·4	−0·9	5	3·6	+ 1·4	1·91	1·70	+ 0·21	18·59	12·27	+ 6·32	0·71	Monywa.
7	1	2	0	0	3	18	0	0	S 40° W		4·0			56		88	− 1	·713	−·013	9·5	+0·6	17	18·0	− 1·0	10·13	12·48	−2·35	34·93	29·40	+ 5·53	2·00	Lashio.
26	1	3	1	0	0	0	0	0	N 45° E	N 70° W	0·7	1·4	−0·7	13	− 6	93	0	·920	+·015	8·3	−0·2	14	20·3	− 6·3	10·39	17·28	− 6·89	35·73	37·49	− 1·76	2·47	Bhamo.
30	0	0	0	0	0	0	0	1	N 45° W		0·9			3		92	+ 1	·875	−·020	8·3	−0·8	20	21·3	− 1·3	17·23	19·35	− 2·12	57·59	38·68	+18·91	3·53	Myitkyina.
																																II.—Assam.
28	0	1	2	0	0	0	0	0	N 75° E		0·3			10		95	+ 2	·896	−·013	8·0	−0·1	23	22·0	+ 1·0	34·53	20·23	+14·30	70·38	48·42	+21·96	4·70	Dibrugarh.
9	4	5	2	2	6	2	1	0	S 74° E	S 11° E	2·5	2·1	+0·4	17	+ 1	90	− 2	·929	−·030	9·1	+0·2	25	19·3	+ 5·7	23·25	16·64	+ 6·61	58·27	42·61	+15·66	3·95	Sibsagar.
12	0	2	10	3	1	1	2	0	S 77° E		1·5			37		92	+ 1	·950	+·017	8·7	+0·3	20	16·8	+ 3·2	14·29	12·67	+ 1·62	39·47	32·27	+ 7·20	2·96	Tezpur.
28	0	1	0	0	0	2	0	0	S 45° W		1·4			3		89	+ 1	·975	+·025	7·7	−0·5	17	14·3	+ 2·7	13·74	10·13	+ 3·61	51·47	34·31	+17·16	2·50	Gauhati.
8	0	7	9	2	3	2	0	0	S 86° E	S 83° E	3·7	3·4	+0·3	46	+17	89	− 2	·968	+·017	6·4	−1·5	17	15·8	+ 1·2	15·78	16·49	− 0·71	64·09	55·63	+ 8·46	5·41	Dhubri.
20	0	6	3	2	0	0	0	0	N 71° E	N 84° E	1·6	2·0	−0·4	80	+23	92	+ 2	·961	+·013	6·1	−2·1	22	22·8	− 0·8	44·06	19·12	+24·94	105·40	56·61	+48·79	9·24	Silchar.
																92	+ 5	·909	−·034	2·5		21	21·8	− 0·8	24·45	15·39	+ 9·06	87·90	45·68	+42·22	3·29	Srimangal.
																																III.—Bengal.
7	0	0	2	12	6	3	1	0	S 24° E		5·4			52		93		·954		7·8		22			33·71			75·86			5·30	Cox's Bazar.
5	0	3	13	6	2	1	1	0	S 75° E	S 36° E	2·4	5·3	−2·9	59	−15	97	+ 9?	1·026	+·113?	7·5	−0·4	18	18·7	− 0·7	39·10	21·34	+17·76	82·10	51·04	+31·06	5·77	Chittagong.
8	0	0	1	10	8	3	1	0	S 16° E		3·9			58		89	− 1	·961	+·014	6·3	+0·2	19	23·3	− 4·3	29·85	24·27	+ 5·58	73·04	56·91	+16·13	9·84	Noakhali.
8	0	1	2	2	14	3	1	0	S 3° E	S 14° E	2·3	3·1	−0·8	56	+13	89	0	·985	+·006	8·3	+0·5	18	20·7	− 2·7	16·14	15·23	+ 0·91	40·58	39·50	+ 1·08	8·91	Barisal.
3	0	0	4	8	9	6	0	1	S 15° E	S 27° E	3·4	5·7	−2·3	62	− 9	87	− 3	·973	−·008	8·2	−0·3	17	17·2	− 0·2	12·28	12·46	− 0·18	50·35	34·02	+16·33	1·64	Narayanganj.
20	0	0	3	5	2	1	0	0	S 43° E	S 49° E	2·0	3·0	−1·0	27	−41	91	+ 1	·978	+·016	8·7	+0·6	19	20·1	− 1·1	22·17	16·68	+ 5·49	69·22	48·45	+20·77	2·86	Mymensingh.
11	0	2	10	1	5	2	0	0	S 62° E	S 48° E	1·4	3·1	−1·7	43	−22	91	+ 3	1·011	+·015	8·6	+1·3	19	16·5	+ 2·5	10·35	12·83	− 2·48	45·32	34·40	+10·92	1·73	Bogra.
3	0	2	9	7	6	3	0	1	S 48° E	S 86° E	3·3	2·9	+0·4	56	− 1	89	− 1	·985	+·018	6·6	−1·7	17	17·2	− 0·2	14·24	14·91	− 0·67	38·63	36·09	+ 2·54	2·10	Dinajpur.
31	0	0	0	0	0	0	0	0	Calm	N 38° E	1·3			(a)		92	+ 1	·983	+·035	5·7	−0·2	24	21·6	+ 2·4	24·60	31·59	− 6·99	48·21	66·66	−18·45	5·41	Jalpaiguri.

(a) Indeterminate.

* Mean of 28 days.
† „ „ 29 „

Table

(2) Abstract of observations taken at 8 hrs. at 217 stations

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.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	III.—Bengal—*concld.*																						
	Saugor Island	10	29·601	+·026	29·556	29·737	17th	29·347	28th	·440	83·6	88·1	+0·2	79·6	−0·8?	83·9	−0·3?	8·5	92·1	1st	72·7	13th	19·4
	Midnapore	149	29·448	+·013	29·545	29·644	16th	29·225	28th	·419	83·3	90·4	+2·5	75·1	+0·6	84·7	+1·5	11·3	98·2	12th	76·1	7th & 13th.	22·1
	Calcutta	21	29·534	+·016	29·552	29·785	16th	29·338	28th	·447	82·8	90·5	+2·1	79·7	+1·1	85·1	+1·6	10·8	96·6	15th	74·2	12th	22·4
	Jessore	30	29·583	+·014	29·559	29·790	16th	29·362	28th	·428	83·5	89·9	+0·8	79·4	+0·4	84·7	+0·6	10·5	95·5	20th	73·1	7th	22·4
	Burdwan	99	29·494	+·008	*29·541	29·705	16th	29·270	28th	·435	82·9	90·8	+0·6	79·0	−0·3	84·9	+0·1	11·8	100·1	12th	75·4	13th	24·7
	Berhampore	67	29·527	+·006	29·543	29·751	16th	29·307	28th	·444	82·9	90·2	+0·7	80·1	+1·3	85·2	+1·0	10·1	95·4	11th	77·2	12th & 13th.	18·2
	IV.—Bihar and Orissa.																						
6	Balasore	50	29·559	+·021	29·554	29·741	16th	29·335	28th	·406	82·6	91·2	+2·2	78·7	+0·3	84·9	+1·3	12·5	98·4	12th	75·8	13th	22·6
	Hukitola (False Point).	29	29·604	+·029	29·574	29·761	11th	29·398	28th	·363													
	Cuttack	80	29·559	+·039	29·580	29·737	17th	29·347	28th	·390	82·8	91·6	+1·7	79·1	+0·5	85·4	+1·1	12·5	100·5	10th	74·4	29th	26·1
	Puri	24	29·624	+·038	29·589	29·779	11th	29·432	28th	·347	83·3	88·7	+1·0	81·0	+1·2	84·9	+1·1	7·7	94·0	21st	77·3	27th	16·7
	Angul	455	29·171	+·016	29·569	29·330	17th	28·970	29th	·360	81·7	90·0	+1·9	77·9	+0·8	83·9	+1·3	12·1	95·7	11th	74·0	28th	25·7
	Sambalpur	438	29·143	+·026	29·575	29·302	11th	28·933	29th	·369	80·9	89·5	+2·0	77·5	+0·1	83·5	+1·1	12·0	99·0	13th	71·8	30th	27·2
7	Chaibasa	733	28·853	+·015	29·530	29·039	11th	28·616	29th	·393	82·1	92·4	+1·8	78·4	+1·3	85·4	+1·5	14·0	100·8	12th	73·8	7th	27·0
	Ranchi	2,128	27·510	+·010	29·534	27·690	17th	27·319	28th	·371	77·8	86·0	+1·6	74·5	+1·2	80·2	+1·4	11·5	92·1	10th	70·3	30th	21·8
	Purulia	816	28·703*	+·007*	29·519*	28·948	16th	28·593	29th	·355	82·7	93·2	+3·1	78·3	+1·4	85·8	+2·3	14·9	101·7	12th	73·9	7th	27·8
	Lattonganj	730	28·856	+·021	29·529	29·038	17th	28·662	29th	·376	82·6	94·2	+2·9	79·2	+1·1	86·7	+2·0	15·0	102·1	10th & 11th.	75·3	26th	26·8
	Purnea	124	29·457	−·008	29·535	29·694	16th	29·269	3rd	·425	82·7	90·0	+0·2	79·8	+1·0	84·9	+0·6	10·2	94·5	20th	76·8	25th	17·7
	Monghyr	155	29·405		29·512	29·630	16th	29·225	3rd	·405	84·4	91·0		79·7		85·4		11·3	96·0	21st	77·3	13th	18·7
	Darbhanga	165	29·405	−·007	29·523	29·641	16th	29·227	3rd	·414	83·2	89·6	+0·1	79·7	+0·1	84·7	+0·1	9·9	94·0	9th	75·9	12th	18·1
	Pusa	188	29·394		29·536	29·608	16th	29·207	3rd	·401	83·2	91·7		77·6		84·6		14·1	99·4	12th	73·7	9th	25·7
	Patna	183	29·365	−·014	29·502	29·587	16th	29·187	3rd	·400	83·6	90·3	−0·3	79·9	+0·1	85·1	−0·1	10·4	96·0	9th	74·5	19th	21·5
	Buxar	239	29·311	−·001	29·503	29·520	16th	29·143	28th	·377	83·8	92·2	+1·2	80·3	+1·3	86·3	+1·3	11·9	98·1	22nd	75·1	13th	23·0
	Gaya	372	29·203	+·016	29·523	29·405	16th	29·002	28th	·403	83·8	92·4	+0·6	79·8	+1·0	86·1	+0·8	12·6	100·5	10th	73·0	26th	27·5
	Naya Dumka	489	29·088	+·003	29·524	29·314	16th	28·890	28th	·424	83·7	92·1	+2·9	79·4	+1·7	85·7	+2·3	12·7	98·4	11th	76·0	7th	22·4
	V.—United Provinces of Agra and Oudh.																						
9	Gorakhpur	257	29·295	−·006	29·508	29·516	16th	29·133	3rd	·383	83·6	91·8	+0·8	80·2	+1·0	86·0	+0·9	11·6	96·9	4th	73·8	16th	23·1
	Benares	267	29·291	+·010	29·509	29·487	16th	29·127	3rd	·360	84·9	92·7	+0·7	79·9	+0·2	86·3	+0·5	12·8	98·8	22nd	75·1	7th & 27th.	23·7
	Allahabad	305	29·242	+·007	29·503	29·433	17th	29·088	2nd	·345	84·8	93·4	+0·9	79·8	+0·1	86·6	+0·5	13·6	99·8	13th	74·9	4th	24·9
	Cawnpore	416	29·139	+·018	29·506	29·324	16th	29·001	3rd	·323	84·5	94·3	+1·0	80·9	+0·9	87·6	+0·9	13·4	101·6	9th	75·9	4th	25·7
	Lucknow	368	29·178	+·004	29·489	29·384	17th	29·025	3rd	·359	85·1	95·0	+2·3	80·3	+0·9	87·7	+1·6	14·7	103·2	13th	76·0	4 days	27·2
	Bahraich	467	29·131	−·012	29·494	29·340	17th	28·970	3rd	·370	83·3	92·2	+0·1	79·2	+0·2	85·7	+0·1	13·0	100·3	13th	74·3	16th	26·0
10	Jhansi	824	28·758	+·014	29·522	28·912	18th	28·600	3rd	·312	86·1	97·6	+5·7	81·3	+2·0	89·5	+3·9	16·3	104·4	15th	74·2	15th	30·2
	Agra	556	28·990	+·003	29·490	29·167	16th	28·835	4th	·332	89·7	99·8	+5·7	84·0	+3·1	91·9	+4·4	15·8	106·8	8th	77·1	25th	29·7
	Mainpuri	516	29·019	−·004	29·485	29·220	16th	28·864	4th	·356	85·9	97·3	+2·5	81·4	+1·0	89·4	+1·7	15·9	107·4	13th	74·3	15th	33·1
	Bareilly	568	28·976	+·003	29·498	29·186	17th	28·811	25th	·375	83·5	92·6	+0·5	78·7	−0·1	85·6	+0·2	13·9	102·3	13th	73·0	15th & 16th.	29·3
	Roorkee	899	28·647	+·002	29·498	28·886	16th	28·481	25th	·405	82·9†	92·3†	+0·2†	78·5†	+0·4†	85·4†	+0·3	13·8	99·6	13th & 14th.	71·5	6th	28·1

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

* Mean of 23 days.
† „ „ 30 „

B—*continued.*

in India, etc., in July, 1915—*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, 1915.	Normal rainfall for period, 1st May to 31st July.	Departure from normal of period, 1st May to 31st July, 1915.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																III.—Bengal—*concld.*
0	1	0	1	3	8	13	4	1	S 32° W		11·3			66	+12	88	+ 1	1·007	+·012	8·3	−0·4	10	16·1	−6·1	11·64	15·32	−3·68	25·41	30·33	−4·92	3·85	Saugor Island.
1	0	2	1	8	14	6	1	0	S 8° E		2·7			68		83	− 3	·937	−·007	5·7	+0·3	11	16·3	−5·3	9·93	12·78	−2·85	20·95	27·57	−6·62	1·86	Midnapore.
2	0	0	1	7	7	11	2	1	S 14° W	S 3° W	3·6	3·7	−0·1	66	+16	88	0	·979	+·007	8·5	0	10	18·6	−8·6	10·52	12·89	−2·37	26·81	30·06	−3·25	3·63	Calcutta.
16	0	0	0	5	6	2	2	0	S 1° E	S 21° E	2·4	3·0	−0·6	35	−15	85	− 4	·969	−·031	7·5	−0·8	11	17·9	−6·9	7·64	12·38	−4·74	29·81	32·76	−2·95	1·35	Jessore.
8	0	0	3	3	8	7	2	0	S 7° W	S 3° E	1·8	3·1	−1·3	49	+10	84	− 3	·942	−·015	7·8	−0·5	9	15·9	−6·9	12·41	12·91	−0·50	31·13	28·86	+2·27	4·89	Burdwan.
0	0	1	5	8	10	7	0	0	S 18° E	S 25° E	3·2	3·3	−0·1	69	+17	88	− 3	·989	+·002	8·9	0	12	15·6	−3·6	9·89	10·80	−0·91	31·75	25·37	+9·38	1·99	Berhampore.
																																IV.—Bihar and Orissa.
4	0	1	0	1	6	17	2	0	S 35° W	S 37° W	3·6	4·3	−0·7	72	+18	84	− 2	·932	−·013	6·5	+0·4	8	14·6	−6·6	4·32	11·10	−6·78	15·19	25·51	−10·32	1·25	Balasore.
5	0	0	1	2	1	16	3	2	S 47° W ‡		12·9			59	− 9					7·1	−1·3	7	14·3	−7·3	8·51	11·80	−3·29	15·76	24·57	−8·81	4·35	Hukitala (False Point).
16	0	0	0	0	0	8	6	1	S 68° W	S 60° W	2·4	2·4	0	43	− 9	82	0	·920	+·015	7·5	+0·1	11	15·6	−4·6	6·79	11·64	−4·85	22·89	25·47	−2·58	2·16	Cuttack.
4	1	0	0	2	3	15	5	1	S 49° W		14·0			61		85	− 1	·969	−·003	7·8	+0·8	7	11·7	−4·7	3·89	9·50	−5·61	11·30	19·26	−7·96	1·99	Puri.
6	1	2	1	4	1	4	8	4	S 83° W		5·1			26		79	− 6	·852	−·040	7·3	+1·1	15	14·4	+0·6	9·83	9·90	−0·07	16·79	19·53	−2·74	3·30	Angul.
1	0	5	2	0	1	14	7	1	S 61° W	S 34° W	3·6	3·5	+0·1	43	−17	83	− 2	·865	−·021	8·2	0	15	20·4	−5·4	8·05	21·37	−13·31	11·12	32·04	−21·92	1·38	Sambalpur.
8	0	0	0	0	1	19	3	0	S 49° W	S 66° W	4·1	2·0	+2·1	69	+25	77	− 4	·842	−·017	7·5	+0·2	7	15·6	−8·6	6·30	12·24	−5·94	12·04	24·04	−12·00	2·43	Chaibasa.
2	1	0	1	2	5	11	7	2	S 49° W	S 63° W	3·7	5·8	−2·1	59	+27	83	− 5	·786	−·009	7·5	−0·8	12	18·1	−6·1	15·97	15·22	+0·74	26·51	26·65	−0·14	5·16	Ranchi.
9	0	0	1	6	1	7	3	4	S 36° W		3·2			29		80	− 8	·886	−·026	5·9	−0·8	9	16·5	−7·5	11·94	12·28	−0·34	19·14	22·44	−3·30	4·62	Purulia.
7	1	0	2	2	4	7	5	3	S 49° W		3·7			32		78	− 5	·852	−·044	4·2	−1·6	16	15·2	+0·8	9·26	11·26	−2·00	10·56	17·44	−6·88	3·25	Daltonganj.
1	0	5	15	4	1	2	2	1	S 87° E	S 81° E	2·6	2·6	0	56	+ 5	91	+ 1	1·017	+·034	8·5	+1·4	13	16·9	−3·9	14·82	14·16	+0·66	30·26	29·68	+0·58	2·80	Purnea.
1	0	1	9	10	1	1	4	4	S 11° E		5·3			16		92		1·077		7·0		13			9·76			20·13			3·87	Monghyr.
3	0	3	18	3	0	1	1	2	N 88° E	S 80° E	3·5	2·5	0	62	+ 7	88	0	1·004	+·031	8·1	+0·9	13	14·3	−1·3	11·80	11·79	+0·01	23·64	22·94	+0·70	3·45	Darbhanga.
1	0	5	18	5	1	1	0	0	S 85° E		3·0			78		87		·991		7·8		12			15·31			22·37			4·50	Pusa.
10	0	1	17	1	1	0	1	0	S 87° E	N 81° E	3·5	3·4	+0·1	56	+14	87	+ 1	1·006	+·027	8·9	+0·7	14	14·2	−0·2	21·17	12·21	+8·96	27·14	21·74	+5·40	5·38	Patna.
2	2	4	9	2	0	6	4	2	N 76° E		4·0			13		83	− 1	·954	+·007	7·6	+0·3	10	13·5	−3·5	5·68	11·17	−5·49	8·96	17·16	−8·20	1·62	Buxar.
12	0	3	3	2	3	5	3	0	S	S 2° E	2·6*	2·9	−0·3	19	+ 9	74§		·839§		5·8	−1·0	14	15·3	−1·3	15·26	12·79	+2·47	21·77	21·08	+0·69	3·15	Gaya.
19	0	0	1	6	3	2	0	0	S 24° E		2·3			33		82	− 5	·938	+·010	4·8	−2·2	13	18·6	−5·6	11·31	13·65	−2·34	25·55	26·37	−0·82	2·45	Naya Dumka.
																																V.—United Provinces of Agra and Oudh.
2	1	8	17	0	0	1	2	0	N 73° E	N 63° E	3·6	1·7	+1·9	69	+37	87	0	1·001	+·034	4·9	−1·5	9	14·6	−5·6	7·91	13·39	−5·48	11·71	22·77	−11·06	1·92	Gorakhpur.
9	2	2	2	4	1	5	4	2	S 47° W	S 7° E	2·5	3·4	−0·9	13	+ 3	81	− 2	·967	+·016	7·3	−0·4	10	14·0	−4·0	13·30	11·00	+2·30	17·61	16·70	+0·91	4·08	Benares.
4	1	4	7	1	1	7	6	0	S 9° W	S 27° W	3·7	5·3	−1·6	9	+ 3	77	− 4	·909	−·022	7·8	−0·2	13	12·9	−0·9	13·74	11·76	+1·98	16·22	16·94	−0·72	3·20	Allahabad.
11	1	0	4	4	2	3	5	1	S 11° W	S 1° E	2·5	3·4	−0·9	17	+ 3	79	− 5	·926	−·008	3·4	−2·7	11	12·4	−1·4	9·33	10·92	−1·59	12·60	14·41	−1·81	3·75	Cawnpore.
12	1	0	8	3	2	3	2	0	S 49° E	S 82° E	1·5	2·8	−1·3	27	+ 3	79	− 3	·919	+·011	7·2	+0·1?	12	13·2	−1·2	11·88	11·85	+0·03	14·33	17·38	−3·05	3·02	Lucknow.
23	0	1	3	1	0	3	0	0	S 47° E	S 68° E	0·2	2·6	−2·4	10	−30	82	− 3	·936	−·026	3·6	−2·1	10	12·1	−2·1	15·10	10·82	+4·28	20·34	18·62	+1·72	3·50	Bahraich.
4	1	1	2	0	1	10	12	0	S 69° W	S 72° W	5·7	3·2	+2·5	56	+ 9	68	−11	·828	−·061	6·8	+2·0	6	13·5	−7·5	4·94	11·91	−6·97	8·14	17·13	−8·99	1·60	Jhansi.
12	0	0	3	5	1	8	2	0	S 6° W	S 24° W	3·7	4·0	−0·3	33	− 9	63	−14	·857	−·054	6·7	+0·2	5	11·6	−6·6	5·55	9·57	−4·02	7·42	12·56	−5·14	2·71	Agra.
6	1	0	4	7	4	0	9	0	S 1° W	S 41° E	2·0	1·5	+0·5	25	+22	77	− 1	·910	+·021	5·9	−0·5	7	10·0	−3·0	3·76	7·16	−3·40	4·64	10·43	−5·79	0·74	Mainpuri.
12	0	0	8	5	0	2	3	1	S 56° E	S 47° E	1·1	2·4	−1·3	27	− 5	85	+ 1	·962	+·028	8·7	+2·1?	13	13·1	−0·1	21·59	14·02	+7·57	22·96	20·14	+2·82	4·00	Bareilly.
12	0	1	2	12	0	0	0	3	S 57° E	S 38° E	2·3	2·1	+0·2	10	+ 1	78†	− 2	·865†	−·005	5·4	−0·7	9	11·9	−2·9	8·23	12·36	−4·13	12·59	18·29	−5·70	2·21	Roorkee.

* Mean of 27 days. † Mean of 30 days. ‡ 1 Wind less. § Mean of 13 days.

Table

(2) Abstract of observations taken at 8 hrs. at 217 stations

Number of sub-division.	Station.	Elevation of bar-eistern 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
	VI.—Punjab.																						
11	Delhi	718	28·827	+·010	29·494	29·026	16th	28·656	3rd	·370	86·5	99·0	+4·6	82·5	+1·6	90·8	+3·1	16·5	106·2	15th	74·2	2nd	32·0
	Hissar	725	28·799	+·012	29·469	29·017	16th	28·612	3rd	·405	89·7	105·0	+4·5	84·4	+2·5	94·7	+3·5	20·6	109·5	5th	71·6	16th	37·9
	Patiala	*818*	28·707	—·010	29·475	28·948	16th	28·523	4th	·425	86·0	99·5	+5·0	82·2	+2·7	90·9	+3·9	17·4	105·8	8th	75·4	6th	30·4
	Ambala	892	28·638	—·006	29·479	28·885	16th	28·456	4th	·429	85·6	98·9	+4·3	80·9	+2·1	89·9	+3·2	18·0	106·7	15th	71·1	6th	35·6
	Ludhiana	812	28·715	+·005	29·475	28·980	16th	28·505	4th	·475	87·3	102·8	+5·6	83·6	+3·2	93·2	+4·4	19·2	110·3	8th	74·2	20th	36·1
	Lahore	702	28·791	—·010	29·442	29·061	16th	28·574	4th	·487	90·9	107·1	+6·6	85·1	+4·9	96·1	+5·7	22·0	113·7	1st	74·8	5th	38·9
	Sialkot	830	28·663	—·022	29·440	28·973	16th	28·442	25th	·531	88·8	104·3*	+6·4*	82·7	+2·8	93·4*	+4·6	21·6	109·9	10th	74·3	27th	35·6
	Rawalpindi	1,674	27·860	—·012	29·434	28·153	16th	27·637	25th	·516	89·4	104·9	+7·5	80·1	+3·6	92·5	+5·5	24·8	114·7	2nd	73·0	2nd & 19th.	41·7
12	Khushab	612	28·866	—·021	29·429	29·178	16th	28·638	25th	·540	92·5	108·5	+5·9	86·0	+3·7	97·3	+4·8	22·5	115·8	1st	74·9	2nd	40·9
	Lyallpur	605	28·864		29·420	29·164	16th	28·651	25th	·513	91·4	107·2		85·0		96·1		22·2	113·5	1st	76·5	2nd	37·0
	Montgomery	558	28·923	—·006	29·433	29·150	17th	28·718	25th	·432	92·1	107·5	+3·3	87·4	+3·5	97·5	+3·4	20·2	114·4	1st	79·8	2nd	34·6
	Multan	426	29·029	—·019	29·407	29·238	17th	28·815	25th	·423	92·0	108·6	+4·3	87·0	+2·7	97·8	+3·5	21·6	113·3	20th	80·8	2nd	32·5
	VII.—North-West Frontier Province.																						
14	Peshawar	1,113	28·378	—·031	29·425	28·644	16th	28·169	25th	·475	91·5	110·8	+8·1	81·3	+2·1	96·0	+5·1	29·5	119·2	10th	74·3	6th	44·9
	D. I. Khan	590	28·861	—·044	29·405	29·123	16th	28·628	25th	·495	90·9	106·4	+3·3	85·4	+3·0	95·9	+3·1	21·0	112·7	1st	76·2	2nd	36·5
	VIII.—Sind.																						
16	Jacobabad	186	29·289	+·009	29·429	29·461	13th	29·055	26th	·406	92·1	113·4	+5·0	86·4	+1·8	99·9	+3·4	27·0	125·7	5th	81·8	23rd	43·9
	Hyderabad	96	29·429	+·019	29·476	29·585	13th	29·271	31st	·314	86·8	101·2	+2·0	82·4	+1·5	91·8	+1·7	18·8	107·2	18th	75·9	18th	31·3
	Karachi	13	29·585	+·045	29·549	29·697	13th	29·405	31st	·292	84·2	89·7	+1·5	82·1	+1·7	85·9	+1·6	7·6	97·1	19th	80·5	18th	16·6
	IX.—Rajputana.																						
17	Bikaner	*771*	28·770	+·016	29·486	28·935	11th	28·591	3rd & 4th.	·344	88·8	105·8	+4·8	83·8	+0·7	94·8	+2·7	22·0	112·9	1st	79·9	10th	33·0
	Jodhpur	780	28·805	+·025	29·529	28·956	11th	28·646	3rd	·310	85·7	100·9	+3·2	81·7	+1·2	91·3	+2·2	19·2	106·5	17th	77·4	17th	29·1
18	Jaipur	1,431	28·151	—·001	29·503	28·297	13th	28·003	31st	·294	85·3	100·5	+5·8	81·8	+3·3	91·2	+4·5	18·7	107·5	16th	77·4	20th	30·1
	Ajmer	1,611	28·012	+·031	29·534	28·155	11th	27·865	3rd	·290	83·7	96·5	+6·7	80·5	+2·5	89·5	+4·6	18·0	103·2	16th	70·2	17th	33·0
	Kotah	832	28·761	+·031	29·530	28·917	11th	28·611	3rd	·306	88·6	101·8	+7·1	83·9	+3·3	92·9	+5·2	17·9	108·6	19th	76·6	20th	32·0
	X.—Bombay.																						
19	Deesa	466	29·185	+·050	29·599	29·333	13th	29·042	31st	·291	85·0	99·0†	+6·3†	80·3*	+2·3*	89·7†	+4·3	18·7	103·9	22nd	76·8	26th	27·1
	Bhuj	334	29·306	+·049	29·582	29·414	13th	29·158	31st	·286	83·8	93·8	+3·1	79·3	+1·3	86·5	+2·2	14·5	100·2	23rd	75·0	13th	25·2
	Jamnagar	61	29·590	+·035?	29·596?	29·718	13th	29·457	31st	·261	85·5	92·9	+1·4?	78·8	—0·3?	85·8	+0·5?	14·1	97·9	5th & 6th.	72·9	4th	25·0
	Dwarka	37	29·628	+·048	29·612	29·748	13th	29·483	31st	·265	83·7	88·4	+1·7	81·5	+0·9	85·0	+1·3	6·9	90·7	17th	77·9	17th	12·8
	Rajkot	429	29·239	+·041	29·613	29·365	13th	29·113	31st	·252	83·3	96·0	+4·9	77·5	+1·4	86·7	+3·1	18·5	100·4	8th	73·8	17th	26·6
	Veraval	*18*	29·672	+·044	29·633	29·792	13th	29·552	31st	·240	82·9	85·5	+1·7	81·4	+1·8	83·4	+1·7	4·1	90·2	23rd	76·8	17th	13·4
	Bhavnagar Para	55	29·631	+·044	29·631	29·773	12th	29·508	31st	·265	84·4	96·9	+3·5	79·6	+1·0	88·2	+2·3	17·3	101·6	5th	75·0	16th	26·6
	Surat	39	29·668	+·040	29·650	29·801	11th & 12th.	29·553	21st	·248	82·9	90·2	+2·8	78·8	+1·2	84·5	+2·0	11·4	96·3	21st	74·7	10th	21·6
	Ahmadabad	163	29·516	+·047	29·627	29·665	13th	29·389	31st	·276	84·8	99·2	+6·5	80·2	+1·6	89·7	+4·1	19·0	103·3	3rd	76·1	13th	27·2
25	Bombay	37	29·717	+·026	29·694	29·846	11th	29·553	21st	·293	81·6	86·4	+1·8	79·0	+1·3	82·7	+1·5	7·4	89·1	15th, 22nd & 23rd.	75·4	28th & 29th.	13·7
	Ratnagiri	207	29·576	+·010	29·723	29·706	11th	29·365	21st	·341	80·3	84·7	+0·8	77·2	+1·3	81·0	+1·1	7·5	88·1	21st	74·1	29th	14·0
	Marmagao	*60*	29·744	—·005?	29·738?	29·859	12th	29·529	21st	·330	81·1	85·4	+1·7	76·9	+0·8	81·1	+1·3	8·5	88·2	6th	74·2	29th	14·0
	Karwar	44	29·791	+·012	29·769	29·900	11th	29·560	21st	·340	79·1	84·3	+1·4	76·1	+0·9	80·2	+1·1	8·2	87·4	9th	73·1	30th	14·3

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

* Mean of 30 days.
† „ „ 22 „

B—*continued.*

in India, etc., in July, 1915—*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, 1915.	Normal rainfall for period, 1st May to 31st July.	Departure from normal of period, 1st May to 31st July, 1915.	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
																																VI.—Punjab.
1	2	1	1	10	2	3	8	3	S 29° W	S 22° E	4·9*	3·1	+1·8	23	+ 1	66	− 8	·819	−·052	6·0	−0·8	6	9·3	−3·3	2·77	8·06	−5·29	4·13	11·79	−7·66	1·00	Delhi.
1	0	0	3	4	1	8	12	2	S 58° W	S 16° W	7·5	5·2	+2·3	49	+20	57	−10	·782	−·073	3·7	−0·3	3	5·3	−2·3	0·65	3·91	−3·26	2·62	6·17	−3·55	0·23	Hissar.
2	0	0	6	14	1	2	5	1	S 37° E		5·6			48		69	− 9	·845	−·065	3·4	−1·6	3	8·7	−5·7	1·99	6·43	−4·44	2·42	9·26	−6·84	0·96	Patiala.
3	1	0	15	8	0	0	4	0	S 75° E	S 62° E	5·1	1·1	+4·0	56	+33	69	−13	·832	−·081	5·1	−0·7	7	9·7	−2·7	3·89	7·88	−3·99	6·57	12·16	−5·59	1·33	Ambala.
13	1	1	1	8	2	2	3	0	S 22° E	S 34° E	2·5	1·8	+0·7	27	− 9	63	−10	·801	−·060	1·7	−3·8	2	8·5	−6·5	1·36	8·32	−6·96	2·88	11·50	−8·62	1·12	Ludhiana.
2	0	0	3	13	3	4	4	2	S 16° E	S 42° E	2·5	2·5	0	46	+ 7	57	−13	·817	−·071	1·9	−1·9	4	5·9	−1·9	0·84	5·49	−4·65	1·99	8·00	−6·01	0·30	Lahore.
4	4	1	10	9	0	2	0	1	S 81° E	S 85° E	2·8	2·0	+0·8	49	+ 2	65	− 6	·866	+·002	1·7	−1·9	5	8·5	−3·5	1·72	7·88	−6·16	3·59	11·53	−7·94	0·57	Sialkot.
8	1	6	4	6	3	1	1	1	S 79° E	S 82° E	2·4†	1·8	+0·6	33	+ 8	55	−14	·739	−·042	3·3	−1·1	7	9·0	−2·0	3·10	8·06	−4·96	3·69	11·58	−7·89	1·10	Rawalpindi.
4	0	8	11	3	3	2	0	0	S 87° E	N 62° E	6·1	5·5	+0·6	56	+ 2	52	−12	·778	−·065	1·5	−1·2	2	4·7	−2·7	1·05	3·78	−2·73	2·39	5·96	−3·57	0·59	Khushab.
0	0	2	3	10	0	16	0	0	S 1° E		4·1			54		52		·759		1·4		2	4·1	−2·1	0·41	3·67	−3·26	1·44	5·57	−4·13	0·25	Lyallpur.
0	0	1	3	6	7	13	1	0	S 7° W	S 15° E	7·7	7·0	+0·7	66	+27	49	− 9	·736	−·073	1·0	−1·5	0	3·5	−3·5	0	2·18	−2·18	0·48	3·62	−3·14	0	Montgomery.
8	1	0	0	1	19	2	0	0	S 2° W	S 89° W	1·8	2·3	−0·5	66	+32	63	0	·915	+·078	0·4	−1·6	0	2·2	−2·2	0	2·04	−2·04	0·53	2·92	−2·39	0	Multan.
																																VII.—North-West Frontier Province.
19	9	0	1	0	1	0	0	1	N 2° E	N 9° W	1·5	3·0	−1·5	28	−14	50	−11	·728	−·056	2·3	−0·3	1	2·1	−1·1	0·32	1·42	−1·10	1·20	2·67	−1·47	0·29	Peshawar.
9	2	7	1	10	1	1	0	0	S 82° E	N 69° E	1·9	1·8	+0·1	40	+ 8	61	− 9	·879	−·048	0·9	−1·3	1	3·1	−2·1	0·89	2·27	−1·38	2·11	3·36	−1·25	0·88	D. I. Khan.
																																VIII.—Sind.
5	0	0	4	15		0	0	0	S 40° E	S 49° E	3·8	4·1	−0·3	72	+ 7	67	+ 1	1·003	+·077	1·5	−1·0	0	1·4	−1·4	0·06	1·01	−0·95	0·06	1·31	−1·25	0·06	Jacobabad.
0	0	1	0	1	9	18	2	0	S 32° W	S 47° W	12·6	12·2	+0·4	82	+ 1	65	− 3	·826	−·003	2·9	−2·0	1	3·3	−2·3	0·37	2·92	−2·55	0·39	3·62	−3·23	0·34	Hyderabad.
1	0	0	0	0	0	12	17	1	S 74° W	S 76° W	15·8	12·6	+3·2	89	+ 5	82	− 1	·963	+·022	7·5	+0·3	0	2·6	−2·6	0·10	3·12	−3·02	0·13	4·16	−4·03	0·04	Karachi.
																																IX.—Rajputana.
2	0	0	1	0	6	13	9	0	S 49° W	S 29° W	9·5	6·1	+3·4	76	+12	57	− 8	·766	−·087	1·8	−2·0	2	5·2	−3·2	1·48	3·30	−1·82	1·77	5·37	−3·60	1·00	Bikaner.
1	0	1	0	0	1	23	5	0	S 51° W		8·1			82		61	− 9	·740	−·075	6·0	−0·9	2	5·0	−3·0	0·81	4·21	−3·40	1·21	5·69	−4·48	0·49	Jodhpur.
3	0	1	1	2	1	4	19	1	S 79° W	S 73° W	6·9	3·9	+3·0	62	+20	65	− 9	·782	−·045	5·5	−1·2	3	10·6	−7·6	3·23	7·87	−4·64	3·93	10·45	−6·52	1·97	Jaipur.
5	0	0	0	0	0	11	13	2	S 74° W	S 87° W	9·1	5·8	+3·3	76	+ 8	63	−16	·725	−·113	4·7	−1·3	2	9·2	−7·2	0·55	6·98	−6·43	1·15	9·76	−8·61	0·39	Ajmer.
2	0	1	0	3	1	8	14	2	S 70° W		6·5			62		57	−14	·759	−·056	4·4	−1·4	5	10·4	−5·4	4·18	10·15	−5·97	5·34	13·28	−7·94	2·89	Kotah.
																																X.—Bombay.
2	0	1	0	0	4	15	6	3	S 57° W	S 61° W	12·9	11·2	+1·7	69	+ 4	74‡	− 7	·876‡	+·012	6·9	−1·3	4	10·4	−6·4	3·07	9·61	−6·54	4·21	11·72	−7·51	1·50	Deesa.
2	1	0	0	0	1	3	24	0	S 86° W	S 78° W	11·6	13·3	−1·7	86	+ 8	74	− 7	·846	−·051	7·0	−0·3	4	6·5	−2·5	3·38	6·65	−3·27	3·66	8·59	−4·93	1·25	Bhuj.
0	0	1	0	0	2	20	6	2	S 56° W		13·3			81		83	+ 7?	1·014	+·116?	6·6	+1·6	6	7·7	−1·7	5·87	7·89	−2·02	6·41	9·81	−3·40	3·22	Jamnagar.
0	0	0	0	1	0	14	13	3	S 71° W		15·4			82		82	− 1	·938	−·014	6·8	−1·0	5	6·4	−1·4	5·82	6·69	−0·87	7·16	9·09	−1·93	3·54	Dwarka.
1	1	0	0	1	3	19	5	1	S 50° W	S 76° W	11·6	10·4	+1·2	76	− 5	80	− 3	·886	+·010	8·1	+0·3	8	11·1	−3·1	4·42	11·70	−7·28	6·42	16·03	−9·61	2·15	Rajkot.
0	1	1	0	0	1	14	12	2	S 71° W	S 75° W	14·4*	9·8	+4·6	79	− 4	83	− 5	·933	−·009	7·0	−1·1	8	9·5	−1·5	2·88	7·70	−4·82	5·66	11·23	−5·57	0·90	Veraval.
1	0	1	1	0	1	14	10	3	S 68° W	S 48° W	5·8	10·7	−4·9	70	− 7	79	+ 1	·925	+·039	7·1	−0·6	5	9·0	−4·0	1·61	6·49	−4·88	7·25	10·12	−2·87	0·39	Bhavnagar Para.
3	1	1	2	2	4	10	5	3	S 49° W	S 55° W	6·5	9·5	−3·0	46	−31	83	− 2	·924	+·005	7·8	−0·3	12	15·5	−3·5	6·70	17·54	−10·84	16·79	25·58	−8·79	1·74	Surat.
1	0	1	0	0	1	22	4	2	S 54° W	S 55° W	7·0	4·8	+2·2	79	+ 8	74	− 7	·882	−·001	6·0	−2·5	3	12·5	−9·5	3·96	12·18	−8·22	7·69	16·66	−8·97	2·75	Ahmadabad.
5	2	2	1	2	4	9	11	0	S 58° W	S 70° W	8·4	14·2	−5·8	49	−25	86	0	·928	+·012	8·9	0	17	21·8	−4·8	14·62	25·17	−10·55	54·76	44·36	+10·40	3·32	Bombay.
3	2	3	1	3	2	7	11	2	S 74° W	S 65° W	7·8	8·5	−0·7	40	−23	86	− 1	·881	−·005	8·4	−0·2	22	25·8	−3·8	29·69	34·41	−4·72	56·60	64·68	−8·08	5·00	Ratnagiri.
3	2	0	1	1	1	2	17	4	N 85° W	N 63° W	7·3	9·6	−2·3	62	−13	91	+ 1	·962	+·019	8·8	+0·6	24	25·5	−1·5	20·75	32·10	−11·35	57·40	63·65	−6·25	4·37	Marmagao.
	0	1	0	0	5	6	0	0	S 22° W	S 75° W	2·7	4·2	−1·5	30	−37	90	+ 4	·892	+·048	5·3	−2·7	22	27·2	−5·2	21·96	33·98	−17·02	63·99	80·31	−16·32	2·55	Karwar.

* Mean of 29 days.
† " " 23 "
‡ " " 21 "

Table

(2) Abstract of observations taken at 8 hrs. at 217 stations

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 maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	X.—Bombay—*concld.*																						
26	Malegaon	1,430	28·289	+·038	29·650	28·435	11th	28·172	21st	·263	79·9	92·4	+4·6	74·4	+1·0	83·4	+2·8	18·0	99·2	14th	70·8	11th	28·4
	Ahmadnagar	2,154	27·611	+·027	29·667	27·755	11th	27·478	21st	·277	76·2	85·2	—0·2	70·1	—0·6?	77·7	—0·4?	15·1	92·1	14th	64·7	10th	27·4
	Poona	1,846	27·919	+·030	29·692	28·051	11th	27·799	21st	·252	75·5	84·2	+1·7	71·3	+0·4	77·8	+1·1	12·9	96·0	6th	67·7	12th	28·3
	Sholapur*	1,590	28·160	+·011	29·681	28·304	11th	28·015	21st	·289	76·8	89·5	+0·2	72·9	+1·0	81·2	+0·6	16·6	96·5	14th	68·1	25th	28·4
	Bijapur	*1,948*	27·824	+·009	29·689	27·952	12th	27·666	21st	·286	75·2	87·3	+0·6	71·2	+0·6	79·3	+0·6	16·0	95·0	9th	68·3	10th	26·7
	Belgaum	2,562	27·272	+·019	29·740	27·386	11th	27·087	21st	·299	71·2	78·2	+2·5	67·3	+0·3	72·8	+1·4	10·9	84·9	15th	65·0	28th	19·9
	XI.—Central India.																						
20	Neemuch	1,626	27·027	+·031	29·571	28·174	12th	27·389	31st	·285	81·2	91·3	+6·3	77·1	+2·7	85·7	+4·5	17·2	100·7	16th	70·9	16th	29·8
	Indore	1,823	27·864	+·033	29·605	28·016	11th	27·751	3rd	·265	79·0	90·3	+5·2	74·9	+2·2	82·6	+3·7	15·4	98·1	19th	72·2	15th	25·9
21	Nowgong	754	28·827	+·019	29·525	28·974	17th	28·676	3rd	·298	84·0	93·9	+3·4	80·5	+1·9	87·2	+2·7	13·4	100·0	9th & 15th.	76·2	20th	23·8
	Sutna	1,041	28·550	+·014	29·512	28·695	17th	28·366	31st	·329	81·7	89·2	+0·8	77·9	+0·4	83·6	+0·6	11·3	94·8	10th & 11th.	73·5	14th	21·3
	XII.—Central Provinces.																						
22	Buldana	2,131	29·597		29·638	27·738	11th	27·479	31st	·259	76·1	86·1	+2·1	72·5	+1·7	79·3	+1·9	13·6	92·9	19th	70·0	30th	22·9
	Akola	925	28·761	+·021	29·628	28·914	11th	28·611	31st	·273	80·3	92·0	+2·9	76·5	+2·1	84·2	+2·5	15·5	101·0	19th	72·6	27th	28·4
	Amraoti	1,215	28·471	+·030	29·623	28·612	11th	28·328	31st	·284	80·0	91·2	+3·5	76·1	+2·4	83·7	+2·9	15·1	99·2	14th	70·1	3th	29·1
23	Khandwa	1,044	28·638	+·037	29·625	28·793	11th	28·519	29th	·274	79·0	91·4	+3·5	76·9	+1·4	84·1	+2·5	14·5	99·4	19th	73·3	15th & 30th.	26·1
	Hoshangabad	1,006	28·655	+·038	29·601P	28·840	11th	28·498	31st	·342	81·1	90·4	+2·8	76·4	+1·0	83·4	+1·9	14·0	96·5	14th	72·2	31st	24·3
	Saugor	1,807	27·826	+·016	29·546	27·985	11th	27·664	31st	·321	79·3	89·2	+3·3	75·5	+1·4	82·4	+2·3	13·7	95·8	15th	70·8	1st	25·0
	Jubbulpore	1,327	28·290	+·020	29·549	28·460	11th	28·121	31st	·339	80·1	87·9	+1·4	76·7	+1·9	82·3	+1·7	11·2	96·3	12th	72·3	29th	24·0
	Seoni	2,033	27·644	+·038	29·587	27·804	11th	27·477	31st	·327	77·9	85·4	+1·1	72·7	+0·2	79·0	+0·7	12·7	92·6	11th	68·0	30th	24·6
	Nagpur	1,017	28·648	+·032	29·604	28·794	11th	28·495	31st	·299	80·6	90·3	+2·3	76·3	+1·1	83·3	+1·7	14·0	97·6	9th	70·7	30th	26·9
24	Pendra	2,040	27·597	+·027	29·542	27·767	11th	27·398	29th	·369	78·2	86·2	+1·7	74·0	+0·9	80·1	+1·3	12·2	93·6	12th	67·1	14th	26·5
	Raipur	970	28·663	+·017	29·573	28·823	11th	28·484	29th & 31st.	·339	79·8	88·9	+2·1	76·1	+1·3	82·5	+1·7	12·8	98·2	12th	71·6	4th & 30th.	26·6
	Chanda	*634*	29·036	+·004	29·611	29·172	11th	28·894	31st	·278	81·6	91·1	+2·5	77·2	+1·5	84·2	+2·0	13·9	99·3	9th	72·2	31st	27·1
	Jagdalpur	1,813	27·889		29·612	28·031	11th	27·730	31st	·301	78·1	85·5		72·7		79·1		12·8	93·2	9th, 10th & 12th.	70·1	26th & 30th.	23·1
	XIII.—Hyderabad.																						
27	Aurangabad	1,905	27·840	+·023	29·663	27·981	11th	27·715	21st	·266	76·5	87·1	+0·5	71·9	+1·4	79·5	+0·9	15·2	93·6	14th	68·3	10th	25·3
	Nizamabad	1,248	28·472	+·022	29·652	28·606	11th	28·348	21st	·258	79·4	90·5	+2·0	75·3	+1·5	82·9	+1·7	15·2	98·6	9th	72·6	11th	26·0
	Bidar	*2,165*									76·8	86·9	+1·1	71·5	+3·1	79·2	+2·1	15·4	93·6	9th	68·9	28th & 30th.	24·7
28	Gulbarga	1,503	28·244	+·002	29·676	28·374	11th	28·108	21st	·266	77·5	91·5	+2·3	73·3	+1·5	82·4	+1·9	18·2	98·0	12th	70·5	29th	27·5
	Raichur	*1,311*	28·465	+·024	29·706P	28·582	11th	28·312	21st	·270	79·4	92·7	+2·7	74·5	+1·6	83·6	+2·1	18·2	101·2	9th	70·4	29th	30·8
	Hyderabad (Deccan)	1,738	28·004	+·014	29·662	28·136	11th	27·874	21st	·262	76·8	87·8	+0·3	74·1	+0·8	80·9	+0·5	13·7	96·0	9th	71·4	21st	24·6
	Hanamkonda	877	28·839	+·026	29·652	28·976	11th	28·712	31st	·264	81·6	91·5	+2·7	77·9	+1·9	84·7	+2·3	13·6	99·0	14th	73·2	15th & 28th.	25·8
	XIV.—Mysore.																						
29	Chitaldrug	2,405	27·432	+·017	29·737	27·532	11th	27·258	21st	·274	73·0	84·6	+2·6	69·0	+0·5	76·8	+1·5	15·6	90·3	9th	67·6	10th	22·7
	Hassan	3,149	26·747	+·010	29·760	26·836	11th	26·578	21st	·258	69·9	78·9	+1·6	66·0	+0·8	72·4	+1·2	12·9	85·2	9th	64·1	11th	21·1
	Bangalore	,021	26·869	+·009	29·753	26·956	11th	26·711	21st	·245	71·4	83·1	+1·0	67·6	+1·7	75·3	+1·3	15·5	91·0	9th	65·1	28th	25·9
	Mysore	2,518	27·362	+·004	29·771	27·450	11th	27·191	21st	·259	73·0	83·4	+1·1	68·0	+1·0	75·7	+1·1	15·4	89·1	10th, 11th & 13th.	66·1	27th	23·0

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

* Mean of 30 days.

B—*continued.*

in India, etc., in July, 1915—*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, 1915.	Normal rainfall for period, 1st May to 31st July.	Departure from normal of period, 1st May to 31st July, 1915.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																X.—Bombay—*concld.*
4	0	0	0	2	0	20	2	3	S 52° W	S 75° W	8·8	10·6	−1·8	69	−17	77	+ 1	·775	+·024	7·3	+0·6	8	8·1	−0·1	3·63	4·95	−1·32	11·87	10·26	+1·61	1·04	Malegaon.
1	1	1	0	2	0	7	15	4	S 85° W	S 74° W	7·1	15·1	−8·0	69	− 6	78	− 2	·693	−·009	4·7	−2·5	8	6·3	+1·7	7·66	3·39	+4·27	17·87	9·11	+8·76	1·92	Ahmadnagar.
1	0	0	0	0	0	0	16	14	N 69° W	S 76° W	8·7	12·3	−3·6	92	+ 6	83	+ 1	·726	+·018	5·9	−2·7	15	12·7	+2·3	8·50	7·43	+1·07	22·75	13·12	+9·63	1·44	Poona.
0	3	0	2	1	1	5	13	5	N 86° W	S 69° W	10·5	10·5	0	56	−28	81	+ 7	·747	+·051?	7·8	−0·3	8	7·6	+0·4	4·45	4·28	+0·17	10·40	10·01	+0·39	2·30	Sholapur.
0	2	1	0	0	1	7	16	4	S 89° W	S 74° W	9·4	7·4	+2·0	74	−11	77	− 3	·676	−·018	5·5	−2·2	6	4·0	+2·0	4·07	2·00	+2·07	7·91	6·53	+1·38	1·36	Bijapur.
2	0	1	0	1	0	7	19	1	S 80° W	S 77° W	13·9†	19·3	−5·4	76	−11	92	− 1	·701	+·016	8·8	−0·5	17	22·3	−5·3	15·50	15·97	−0·47	26·76	26·80	−0·04	2·50	Belgaum.
																																XI.—Central India.
1		0	2	0	1	8	18	1	S 76° W	S 71° W	10·0	8·9	+1·1	76	− 4	71	−12	·760	−·045	7·0	−0·1	4	10·5	−6·5	4·98	8·87	−3·89	8·75	13·24	−4·49	2·15	Neemuch.
1	1	1	0	1	0	4	16	7	N 82° W	S 81° W	8·8	4·9	+3·9	72	− 3	78	− 8	·769	−·011	8·4	−0·5	10	12·7	−2·7	7·48	9·84	−2·36	10·68	15·95	−5·27	2·47	Indore.
3	2	1	3	1	1	3	17	0	S 86° W	S 84° W	3·6	3·1	+0·5	49	− 9	75	− 6	·863	−·020	7·4	−0·6	9	14·2	−5·2	6·49	13·69	−7·20	13·99	20·45	−6·46	2·01	Nowgong.
8	2	1	0	0	1	8	11	0	S 75° W	S 74° W	4·6	6·7	−2·1	53	+ 8	79	− 3	·846	−·015	7·6	−0·4	16	15·0	+1·0	10·60	13·93	−3·33	16·44	20·13	−3·69	2·54	Sutna.
																																XII.—Central Provinces.
1	0	0	1	2	0	5	14	8	N 87° W		7·6	6·8	+0·8	68		79		·710		7·6		15	13·4	+1·6	7·19	9·02	−1·83	19·26	15·97	+3·29	1·83	Buldana.
0	0	1	1	1	2	3	13	10	N 81° W	N 88° W	7·8	6·6	+1·2	66	−16	75	− 4	·765	−·020	8·5	+0·2	12	12·2	−0·2	10·21	10·03	+0·18	16·47	15·52	+0·95	2·88	Akola.
0	3	0	2	1	2	1	17	5	N 81° W	S 88° W	9·2	6·6	+2·6	62	−21	74	−10	·748	−·042	4·5	−3·3?	10	12·4	−2·4	8·83	9·47	−0·64	14·24	16·58	−2·34	3·34	Amraoti.
13	0	0	0	0	0	3	9	1	S 83° W	W	8·7	6·9	+1·8	40	−46	81	+ 1	·802	+·017	6·6	−0·9	10	10·8	−0·8	4·76	8·93	−4·17	14·22	14·44	−0·22	1·23	Khandwa.
2	0	0	0	1	1	11	16	0	S 68° W	S 54° W	4·8	3·5	+1·3	79	+ 4	79	− 8	·825	−·018	6·4	−1·9	12	15·1	−3·1	11·70	15·75	−4·05	18·25	22·17	−3·92	2·20	Hoshangabad.
1	0	0	0	2	0	1	23	4	N 88° W	S 80° W	8·4	4·7	+3·7	82	+11	76	− 9	·759	−·037	6·5	−1·0	11	15·8	−4·8	9·69	14·56	−4·87	12·45	21·95	−9·50	2·80	Saugor.
0	1	0	2	2	2	7	13	4	S 76° W	S 74° W	3·7	3·4	+0·3	56	− 9	79	− 7	·757	−·028	7·2	−0·9	13	17·8	−4·8	33·13	18·44	+14·69	42·39	26·62	+15·77	13·50	Jubbulpore.
2	3	0	0	1	3	5	14	3	S 84° W	S 76° W	6·0	4·5	+1·5	62	− 3	80	− 6	·756	−·024	7·6	+0·5	19	18·3	+0·7	14·86	15·87	−1·01	23·84	25·43	−1·59	3·03	Seoni.
2	1	0	0	1	4	3	11	9	N 88° W	S 76° W	6·2	6·4	−0·2	62	− 6	76	− 7	·785	−·032	7·5	−0·7	13	16·6	−3·6	15·80	14·38	+1·42	24·18	23·84	+0·34	3·99	Nagpur.
4	1	1	1	3	8	3	4	6	S 46° W		5·8			30		80	− 5	·758	−·025	6·3	−0·9	15	17·3	−2·3	13·85	14·52	−0·67	19·47	23·62	−4·15	2·58	Pendra.
1	1	1	1	1	9	11	4	2	S 37° W	S 49° W	6·8	8·1	−1·3	59	− 6	83	− 3	·827	−·013	6·3	−1·7	13	15·7	−2·7	16·73	14·95	+1·78	20·00	24·26	−4·26	4·52	Raipur.
1	0	1	2	2	1	10	11	3	S 67° W	S 69° W	5·7	4·4	+1·3	56	−22	75	− 4	·806	−·003	7·0	−0·8	10	17·0	−7·0	7·89	17·14	−9·25	18·02	25·01	−6·99	2·47	Chanda.
6	0	0	1	0	2	18	4	0	S 48° W		4·0			72		80		·765		6·5		17			10·33			22·42			2·28	Jagdalpur.
																																XIII.—Hyderabad.
1	1	1	1	1	1	6	15	4	S 86° W		11·9			66		81	0	·742	+·018	8·9	+0·7	13	11·5	+1·5	4·27	6·66	−2·39	18·41	12·52	+5·89	0·72	Aurangabad.
0	6	0	1	1	1	10	8	4	W		5·6			52		73	− 6	·731	−·028	7·2	+0·3	10	14·0	−4·0	2·67	10·26	−7·59	10·90	15·44	−4·54	0·41	Nizamabad.
6	0	0	0	0	1	16	5	3	S 61° W		6·9			65		77	− 9	·706	−·023	7·7	+1·9	11	11·0	0	4·95	8·03	−3·08	10·53	13·79	−3·26	1·55	Bidar.
0	1	1	1	0	1	3	20	4	N 87° W	S 84° W	10·3	11·5	−1·2	76	− 5	77	− 3	·715	−·010	7·0	−0·9	10	9·5	+0·5	5·15	6·21	−1·06	8·77	12·53	−3·76	1·09	Gulbarga.
0	0	1	0	0	0	13	9	8	S 83° W	S 50° W	10·1	10·9	−0·8	76	+ 7	73	− 2	·726	+·016	4·4	−2·2	7	9·3	−2·3	3·56	5·25	−1·69	5·00	9·70	−4·70	1·04	Raichur.
3	0	1	0	0	1	2	21	3	N 89° W	N 85° W	8·6	7·2	+1·4	77	−15	87	+9?	·797	+·090	7·7	−0·1	10	9·8	+0·2	9·44	5·90	+3·54	19·24	11·16	+8·08	2·88	Hyderabad (Deccan).
1	1	1	1	4	3	6	10	4	S 66° W		6·2			46		69	− 4	·736	−·004	7·5	0	11	12·5	−1·5	4·78	9·50	−4·72	13·55	15·89	−2·34	1·55	Hanamkonda.
																																XIV.—Mysore.
0	0	0	0	0	0	10	15	6	S 84° W	S 72° W	7·2	8·5	−1·3	86	− 7	82	− 1	·659	−·005	7·0	−2·1	9	8·7	+0·3	3·17	3·20	−0·03	10·72	9·58	+1·14	0·73	Chitaldrug.
0	1	0	0	0	1	9	16	4	S 83° W	S 87° W	8·5	3·7	+4·8	81	− 8	88	+ 2	·640	+·006	8·2	−1·0	14	12·4	+1·6	6·09	5·27	+0·82	16·22	14·52	+1·70	0·95	Hassan.
0	0	0	0	0	0	11	17	3	S 79° W	S 66° W	8·3	7·0	+1·3	92	+ 2	83	− 2	·634	+·011	8·8	+0·3	6	8·3	−2·3	3·59	4·17	−0·58	14·84	11·38	+3·46	1·02	Bangalore.
0	0	0	0	0	1	15	15	0	S 65° W	S 67° W	8·3	10·5	−2·2	89	− 1	81	− 1	·654	+·017	8·4	−0·3	4	6·8	−2·8	1·83	2·52	−0·69	18·47	10·48	+7·99	0·80	Mysore.

† Mean of 28 days.

Table

(2) Abstract of observations taken at 8 hrs. at 217 stations

Number of sub-division	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	XV.—Madras.																						
30	Mangalore	72	29·793	−·006	29·797	29·883	11th	29·606	21st	·277	78·6	84·0	+0·3	74·8	+1·3	79·4	+0·8	9·2	89·6	11th	71·3	29th	18·3
	Calicut	27	29·853	−·003	29·809	29·954	27th	29·708	21st	·246	77·6	82·2	+0·1	75·4	+1·5	78·8	+0·8	6·8	87·8	11th & 12th	72·1	18th & 27th.	15·7
	Cochin	9	29·833	−·001	29·830	29·992	27th	29·769	21st	·223	78·3	81·0	+0·2	74·4	+0·4	79·2	+0·3	9·6	87·9	12th	69·7	27th	18·2
	Trivandrum	198	29·706	+·012	29·835	29·807	1st	29·578	21st	·229	77·2	81·8	−0·1	74·4	−0·5	78·1	−0·3	7·4	85·7	14th	71·5	18th	14·2
31	Pamban	37	29·795	+·001	29·760	29·874	24th	29·691	21st	·183	83·1	88·4	−1·1	80·0	+0·7	84·2	−0·2	8·4	91·2	9th	78·5	18th, 20th & 21st.	12·7
	Madura	447	29·375	+·002	29·750	29·461	27th	29·230	21st	·231	83·5	94·7	−2·2	77·3	+0·9	86·0	−0·7	17·4	103·0	7th	72·4	9th	30·6
	Pudukkottai	318	29·488	−·012?	29·735	29·577	1st & 27th.	29·356	21st	·221	82·6	96·1	+0·3?	76·9	−0·1	86·5	+0·1?	19·2	104·5	4th	71·4	9th	33·1
	Negapatam	31	29·788	+·009	29·748	29·858	24th	29·660	21st	·208	83·0	93·6	−2·2	78·3	−0·1	86·0	−1·1	15·3	102·1	5th	73·9	18th & 19th.	28·2
	Trichinopoly	255	29·569	+·006	29·755	29·657	24th	29·425	21st	·232	82·7	95·8	−1·6	77·4	−0·5	86·6	−1·1	18·4	102·8	7th	73·4	28th	29·4
	Coimbatore	1,311	28·514	+·023	29·786	28·600	24th	28·353	21st	·247	76·8	86·5	−1·2	72·2	+1·4	79·4	+0·1	14·3	91·9	12th	69·1	28th	22·8
	Salem	913	28·923	+·020	29·770	29·017	24th	28·774	21st	·243	78·3	92·4	−0·7	74·0	+0·8	83·2	+0·1	18·4	100·2	9th	71·1	11th	29·1
	Cuddalore	37	29·767	+·009	29·734	29·853	11th	29·628	21st	·225	83·2	95·6	−0·2	78·7	+0·7	87·2	+0·3	16·9	102·7	3rd	74·2	15th	28·5
	Vellore	707	29·093	+·015	29·733	29·197	24th	28·930	21st	·267	81·1	93·7	−0·4	76·5	−0·5	85·1	−0·5	17·2	101·9	7th	71·4	14th	30·5
	Madras	22	29·763	+·008	29·720	29·858	11th	29·606	21st	·252	83·2	94·3	−1·5	78·6	−0·2	86·4	−0·9	15·7	105·8	4th	70·6	15th	35·2
32	Cuddapah	428	29·347	0	29·709	29·464	11th	29·183	21st	·281	83·6	96·8	+1·0	79·4	+1·5	88·1	+1·3	17·4	104·3	9th	72·3	15th	32·0
	Bellary	1,475	28·309	+·004	29·706	28·431	11th	28·140	21st	·291	79·8	91·7	+0·7	74·8	−0·2	83·3	+0·3	16·9	101·3	14th	70·0	20th	31·3
	Kurnool	923	28·857	+·025	29·716?	28·985	11th	28·703	21st	·282	79·9	92·8	+1·0	77·0	+2·2	84·9	+1·6	15·8	100·7	9th	76·2	15th	30·5
33	Nellore	66	29·683	0	29·683	29·789	11th	29·525	21st	·264	84·8	96·7	−0·5	80·2	+0·5	88·5	0	16·5	105·4	9th	73·3	27th	32·1
	Masulipatam	15	29·726	+·021	29·667	29·894	21st	29·606	31st	·288	84·1	94·1	+1·5	79·7	+1·5	86·9	+1·5	14·4	103·8	9th	73·5	15th	30·3
	Cocanada	26	29·693	+·031	29·656	29·825	11th	29·535	31st	·290	82·6	91·5	+0·4	79·1	+0·2	85·3	+0·3	12·4	100·2	9th	74·6	14th	25·6
	Waltair (Vizagapatam).	*296*	29·463	+·038	29·629	29·602	11th	29·288	31st	·314	82·4	89·8	+0·9	79·2	+0·7	84·5	+0·8	10·6	97·4	5th & 6th	74·6	28th	22·8
	Calingapatam	19	29·649*		29·606*	29·814	11th	29·474	31st	·340	84·1	91·0		79·5		85·3		11·5	100·6	5th	74·4	28th	26·2
	Gopalpur	33	29·601	+·015	29·588	29·752	11th	29·433	3rd	·319	83·2	88·6	+1·2	80·4	+1·4	84·5	+1·3	8·2	93·5	4th	75·8	26th & 27th.	17·7
	Bay Islands.																						
1	P. V. Fraser	8	29·622		29·552	29·800	16th & 17th.	29·375	28th	·425	83·4												
	Port Blair	58	29·768	+·003	29·756	29·885	23rd	29·619	20th	·266	82·1	87·0	+1·6	78·7	+1·2	82·8	+1·4	8·3	90·2	10th	74·3	29th	15·9
	Table Island	90	29·703	−·002	29·727	29·838	23rd	29·554	20th	·284	82·3	85·8	+0·6	78·4	+1·4	82·1	+1·0	7·4	87·6	13th & 17th	72·1	22nd	15·5
	Kashmir.																						
13	Muzaffarabad		27·189			27·411	16th	27·005	3rd	·406	80·6			74·8							67·9	6th	
	Srinagar	5,204	24·675	+·002	24·646	24·843	16th	24·521	31st	·322	72·4	88·7	+3·7	64·7	+0·7	76·7	+2·2	24·0	94·9	1st	57·5	7th	37·4
	Gulmarg	*8,569*	21·780	+·016	21·748	21·929	13th	21·639	3rd	·290	65·8	75·1	+6·5	49·5	−0·9	62·3	+2·8	25·6	84·9	11th	42·8	15th	42·1
	Dras	*10,059*	20·719	+·013	20·687	20·835	17th	20·587	26th	·248	60·7	75·6	−3·3	48·7	+1·1	62·1	−1·1	26·9	82·1	31st	42·8	7th	39·3
	Leh	*11,503*	19·660	+·013	19·628	19·761	17th	19·528	26th	·233	60·7	77·2	0	49·2	−0·9	63·2	−0·5	28·0	82·7	30th	42·2	6th	40·5
	Skardu	*7,505*	P	P	P	P	P	P	P	P	72·3	89·9	+4·4	62·9	+2·0	76·4	+3·2	27·0	98·1	31st	48·3	15th	49·8
	Gilgit	4,890	24·887	+·014	24·860	25·076	14th	24·712	3rd	·364	80·7	96·7	+0·8	70·2	−1·6	83·4	−0·4	26·5	106·7	1st	60·2	6th	46·5

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.

* Mean of 30 days.

B—*continued.*

n India, etc., in July, 1915—*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 1915.	Normal rainfall for period, 1st May to 31st July.	Departure from normal of period, 1st May to 31st July 1915.	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
																																XV.—Madras.
3	4	2	5	2	3	5	6	1	S 52° W	N 76° W	5·4	2·3	+3·1	10	−30	90	+ 2	·876	+·024	8·4	−0·5	24	27·7	− 3·7	35·81	38·64	− 2·83	68·65	81·66	−13·01	5·72	Mangalore.
10	1	0	1	2	0	2	5	10	N 65° W	N 11° W	5·1	5·8	−0·7	40	+18	93	+ 1	·875	+·037	8·7	−0·1	22	26·9	− 4·9	31·43	31·20	+ 0·23	68·32	73·18	− 4·86	5·85	Calicut.
7	0	5	5	4	1	4	4	1	S 57° E	N 24° W	6·1	4·6	+1·5	13	−19	86	− 2	·837	+·001	8·2	0	30	24·2	+ 5·8	33·04	22·88	+10·16	75·01	62·40	+12·61	3·86	Cochin.
3	2	0	0	0	0	0	3	23	N 47° W	N 18° W	5·1	6·6	−1·5	86	+ 7	87	0	·812	+·004	8·7	+0·2	21	13·6	+ 7·4	21·44	7·16	+14·28	39·16	28·80	+10·38	4·21	Trivandrum.
3	0	0	0	0	12	13	3	0	S 30° W	S 51° W	9·5	8·8	+0·7	79	+ 4	78	+ 1	·868	−·008	3·9	+0·5	1	0·7	+ 0·3	0·26	0·32	− 0·06	2·45	1·24	+ 1·21	0·26	Pamban.
0	1	1	1	1	1	0	13	13	N 65° W	N 59° W	5·7	2·8	+2·9	72	+ 7	67	+ 3	·766	+·034	7·9	+2·1	4	2·5	+ 1·5	3·29	1·95	+ 1·34	6·27	6·20	+ 0·07	1·45	Madura.
6	1	0	0	0	2	6	6	10	N 83° W		4·8			55		71	+ 3	·788	+·037	6·0	−1·9	8	6·2	+ 1·8	5·17	3·98	+ 1·19	8·32	7·40	+ 0·92	2·15	Pudukkottai.
1	0	0	0	0	1	22	7	0	S 54° W	S 77° W	6·2	5·4	+0·8	89	+ 6	80	+14?	·901	+·128?	5·9	+0·7	8	3·4	+ 4·6	2·34	1·99	+ 0·35	4·47	5·13	− 0·66	0·75	Negapatam.
0	0	0	0	0	0	16	14	1	S 68° W	S 86° W	5·5	7·2	−1·7	92	+ 5	66	+ 3	·738	+·031	5·2	−1·1	7	2·2	+ 4·8	3·50	1·31	+ 2·19	7·77	5·99	+ 1·78	1·25	Trichinopoly.
1	0	1	0	1	5	21	2	0	S 38° W	S 49° W	6·8	5·3	+1·5	82	+ 3	78	− 5	·724	−·018	4·8	−1·3	2	4·3	− 2·3	0·90	1·38	− 0·48	8·27	5·41	+ 2·86	0·38	Coimbatore.
1	0	0	0	0	9	8	13	0	S 52° W	S 25° W	4·4	3·4	+1·0	79	+ 6	81	+ 2	·771	−·003	7·2	+0·6	12	7·3	+ 4·7	6·81	3·84	+ 2·97	14·22	11·90	+ 2·32	1·64	Salem.
6	0	0	0	0	0	23	0	0	S 45° W	S 76° W	6·0	1·8	+4·2	76	+ 4	70	− 4	·792	−·052	6·0	+0·3	4	5·7	− 1·7	1·22	3·44	− 2·22	2·46	5·73	− 3·27	0·68	Cuddalore.
6	0	0	0	0	0	0	24	1	N 88° W		2·9			80		78	+11?	·823	+·103?	5·3	−0·5	12	7·0	+ 5·0	11·62	5·06	+ 6·56	15·69	10·72	+ 4·97	2·44	Vellore.
0	0	1	0	0	9	16	4	1	S 39° W	S 72° W	5·1	5·8	−0·7	79	− 5	76	+ 7	·855	+·053	6·1	−1·0	7	7·2	− 0·2	8·87	4·09	+ 4·78	10·47	7·07	+ 3·40	3·00	Madras.
1	4	1	1	1	0	3	12	8	N 67° W	S 88° W				59	−20	68	+ 1	·766	+·011	6·7	−1·0	9	6·5	+ 2·5	8·28	3·34	+ 4·44	10·58	8·54	+ 2·04	1·79	Cuddapah.
2	0	0	0	0	1	5	14	9	N 86° W	S 87° W	7·6	8·7	−1·1	79	−11	69	+ 3	·695	+·046	7·3	−0·6	6	3·9	+ 2·1	5·85	1·71	+ 4·14	12·65	5·79	+ 6·86	2·45	Bellary.
1	0	0	0	0	0	8	11	11	N 85° W	S 87° W	8·7			79	+ 7	78	+ 3	·793	+·052	7·2	−0·6	10	9·4	+ 0·6	5·47	4·89	+ 0·58	7·93	9·01	− 1·08	2·80	Kurnool.
4	0	0	0	0	1	9	10	7	S 84° W	N 78° W	5·6	7·3	−1·7	69	− 3	70	+ 4	·816	+·024	6·7	−1·4	9	5·2	+ 3·8	5·23	2·74	+ 2·49	6·26	4·70	+ 1·56	1·45	Nellore.
5	0	0	1	1	1	6	9	8	S 89° W	N 69° W	7·7	6·4	+1·3	55	−27	77	− 4	·894	−·002	6·8	−1·6	8	9·6	− 1·6	7·36	6·02	+ 1·34	15·65	11·85	+ 3·80	3·00	Masulipatam.
8	0	0	0	0	1	13	8	1	S 62° W	S 74° W	5·5	6·1	−0·6	66	−18	85	+ 5	·949	+·081	7·6	+0·1	13	9·9	+ 3·1	7·12	5·71	+ 1·41	12·27	11·61	+ 0·66	1·24	Cocanada.
8	0	0	1	1	1	19	1	0	S 40° W	S 75° W	5·9			66	−14	80	+ 2	·879	+·028	7·1	−1·3	6	7·9	− 1·9	6·07	4·01	+ 2·06	16·96	10·90	+ 6·06	3·20	Waltair (Vizag.).
4	0	1	0	2	3	11	9	1	S 55° W		8·6			59		79		·912		4·2		12	7·5	+ 4·5	5·45	5·38	+ 0·07	9·06	11·40	− 2·34	1·45	Calingapatam.
7	2	1	0	1	7	11	2	0	S 33° W	S 49° W	8·2	9·3	−1·1	49	−16	82	− 2	·938	+·011	6·5	+1·4	7	10·3	− 3·3	5·03	7·30	− 2·27	10·14	15·07	− 4·93	1·49	Gopalpur.
																																Bay Islands.
2	0	0	0	2	5	15	5	2	S 45° W					71		89		1·022		8·3		10			7·61			14·78			2·09	P. V. Fraser.
5	0	0	0	0	2	12	8	4	S 68° W	S 61° W	7·1	8·5	−1·4	69	−12	82	− 5	·900	−·021	7·7	−0·5	16	19·6	− 3·6	10·70	15·70	− 5·00	30·56	51·84	−21·28	2·22	Port Blair.
1	0	1	1	0	7	17	4	0	S 38° W		18·4			72		93	+ 3	1·024	+·074	7·2	−1·7	14	17·6	− 3·6	10·84	13·89	− 3·05	29·31	39·15	− 9·84	1·55	Table Island.
																																Kashmir.
31	0	0	0	0	0	0	0	0	Calm.		0·9					64		·663		2·5		10			6·38			10·56			2·64	Muzaffarabad.
9	1	0	1	9	2	2	2	5	S 5° E	S 48° E	2·9	2·8	+0·1	17	− 5	70	−14	·553	−·077	2·6	−1·9	5	5·7	− 0·7	1·17	2·87	− 1·70	2·20	7·23	− 5·03	0·48	Srinagar.
5	7	6	1	0	0	2	1	9	N 12° W		3·0			53		63	−16	·402	−·029	2·7	−2·3	6	9·6	− 3·6	1·90	4·28	− 2·38	4·37†	8·05‡	− 3·68	0·50	Gulmarg.
19	0	0	0	0	0	2	5	5	N 78° W		7·1			33		57	− 5	·305	−·033	2·6	−1·4	0	1·6	− 1·6	0	0·81	− 0·81	0·96	4·61	− 3·65	0	Dras.
29	0	0	1	0	1	0	0	0	S 45° E	S 85° W	3·3	1·5	+1·8	3	−40	47	−8	·247	−·015	1·6	−3·1	0	1·2	− 1·2	0	0·47	− 0·47	0·26	0·85	− 0·59	0	Leh.
23	0	0	0	0	2	5	1	0	S 40° W		4·8			27		38	−12	·295	−·060	1·9	−2·2	0	1·2	− 1·2	0·01	0·57	− 0·56	0·88	2·18	− 1·30	0·01	Skardu.
27	0	0	0	1	0	2	0	1	S 45° W		0·4*			3		51	+ 7	·532	+·104	2·2	−1·7	2	1·9	+ 0·1	0·88	0·59	+ 0·29	1·16	1·93	− 0·77	0·47	Gilgit.

* Mean of 30 days. † Rainfall since 4th June. ‡ Rainfall since 1st June.

Table

(2) Abstract of observations taken at 8 hrs. at 217 stations

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 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
	Baluchistan.																						
15	Fort Sandeman	4,614	25·192		25·161	25·338	14th	24·993	26th	·345	81·3	103·3		75·6		89·4		27·7	110·7	2nd	66·1	13th	44·6
	Quetta	5,502	24·453	+·023	24·413	24·580	18th	24·309	26th	·271	71·1	95·5	+2·7	62·1	−2·5	78·8	+0·1	33·4	101·5	11th	52·1	7th	49·4
	Chaman	4,311	25·443	+·005	25·405	25·570	17th	25·300	31st	·270	84·1	101·6	+1·6	75·5	+0·7	88·5	+1·1	26·1	107·8	12th	65·0	6th	42·8
	Kalat	6,630	23·614		23·576	23·726	18th	23·478	26th	·248	67·8	92·7	−0·5	59·2	+5·9	75·9	+2·7	33·5	100·9	1st & 12th	46·9	6th	54·0
	Dalbandin	2,772	26·843		26·806	26·966	19th	26·720	31st	·246	85·7	110·2		75·6		92·9		34·6	117·1	11th	61·7	7th	55·4
	Pasni		29·596		29·556	29·722	19th	29·410	31st	·312	83·1	92·7		78·3		85·5		14·4	98·3	19th	75·2	8th	23·1
	Panjgur		26·478		26·436	26·608	19th	26·341	31st	·267	80·3	104·0		76·2		90·1		27·8	109·6	30th	65·0	6th	44·6
	Robat		26·634		26·592	26·772	16th	26·518	28th	·254	87·3	107·5		81·9		94·7		25·6	116·0	10th	74·3	5th & 6th	41·7
	Hill stations, excluding Kashmir and Baluchistan.																						
	Para Chinar	6,000	24·299	+·032	24·275	24·473	16th	24·160	26th	·313	75·8	87·5	+1·0	65·9	−0·1	76·7	+0·5	21·6	98·8	1st	59·1	16th	39·7
	Cherat	*4,256*	25·492	+·007	25·460	25·705	16th	25·307	25th	·399	81·2	94·3	+5·4	74·8	+3·8	84·6	+4·6	19·5	104·3	11th	66·0	13th	38·3
	Drosh		(c) 24·675			25·025	14th	24·725	4th & 31st.	·300	77·3	95·7	0	71·4	−1·1	83·6	−0·5	24·3	104·7	1st	53·6	6th	51·1
	Murree	6,333	23·721	+·021	23·689	23·885	17th	23·542	4th	·343	69·9	80·5	+3·7	64·8	+2·9	72·6	+3·3	15·7	90·0	10th	54·8	26th	35·2
	Simla	7,232	22·959	+·030	22·961	23·153	16th	22·857	25th	·296	64·1	69·7	+0·6	61·0	+0·9	65·4	+0·7	8·7	73·0	29th	53·0	6th	20·0
	Sarain		23·023	+·008	22·985	23·181	16th	22·873	25th	308	65·3	74·4	+2·2	59·7	+0·9	67·0	+1·5	14·7	77·8	1st	54·5	6th	23·3
	Kalabagh		20·057	−·008	20·019	20·159	16th	19·918	25th	·281	51·2	56·8	−0·2	47·0	−1·1	51·9	−0·7	9·8	60·5	1st & 24th	39·7	6th	20·8
	Chakrata	7,072	23·257	+·060	20·217	23·419	17th	23·117	25th	·302													
	Mukteswar	7,592	22·723	−·004	22·682	22·885	17th	22·568	25th	·317	61·7	70·1	−0·2	59·0	+0·7	64·6	+0·3	11·1	74·5	13th	54·8	13th & 16th.	19·7
	Darjiling	7,432	22·845	−·005	22·800	23·006	16th	22·727	3rd	·279	61·6	69·2	+2·9	59·2	+1·5	64·2	+2·2	10·0	76·4	20th	55·8	12th	20·6
	Shillong	4,920	24·973	−·007	24·925	25·142	16th	24·819	3rd	·323	68·4	73·1	−2·6	63·3	−1·0	68·2	−1·8	9·8	76·9	14th	59·2	16th	17·7
	Cherrapunji	4,309	25·524	+·004	25·475	25·682	16th	25·375	3rd	·307	67·8	72·2	0	64·5	−0·8	68·3	−0·4	7·7	79·6	22nd	53·4	10th	26·2
	Maymyo	3,546	26·310	+·015	26·255	26·428	16th	26·158	3rd	·270	70·3	77·1	−0·1	66·5	+0·9	71·8	+0·4	10·6	85·0	19th	59·6	4th	25·4
	Pachmarhi	3,528	26·251	+·023	26·198	26·398	11th	26·145	4th	·253	72·1	79·5	+3·9	69·3	+1·2	74·4	+2·1	10·2	86·0	19th	67·1	4 days	18·9
	Mount Abu	3,945	25·854	+·041	25·804	25·978	12th	25·730	31st	·248	70·5	80·1	+4·9	67·3	+1·4	73·7	+3·1	12·8	85·2	17th	64·9	26th	20·3
	Mercara	3,781	26·159	−·002	26·092	26·238	11th	25·995	21st	·243	66·0	71·5	+2·5	62·0	−0·2	66·7	+1·1	9·5	77·0	10th & 11th.	58·7	25th	17·3
	Ootacamund	*7,327*	23·014	+·024	22·950	23·088	24th	22·862	21st	·226	57·8	63·6	+1·9	52·8	+0·6	58·3	+1·3	10·8	70·0	6th	50·7	7th	19·3
	Kodaikanal	7,688	22·792	+·025	22·727	22·861	24th	22·645	21st	·216	58·6	64·2	+1·5	53·7	+1·1	58·9	+1·3	10·5	70·0	6th	51·9	12th	18·1
	Extra India.																						
	Singapore (a)	10	29·836	−·079	29·767	29·940	6th	29·758	18th	·182	83·4	87·5	−0·4	75·1	+0·6	81·3	+0·1	12·4	90·5	1st	73·0	20th	17·5
	Penang (a)	17	29·830	−·075	29·772	29·893	10th	29·746	31st	·147	82·8	89·1	−0·5	74·6	+0·9	81·9	+0·2	14·5	92·0	4th & 23rd	72·0	17th	20·0
	Trincomalee	99	29·730	+·002	29·758	29·814	10th	29·622	21st	·192	80·1	91·9	+4·1?	78·1	+0·6	86·5	+2·3?	16·8	98·1	21st	74·6	18th & 26th.	23·5
	Colombo	24	29·879	−·003?	29·829	29·948	11th	29·796	21st	·152	77·9	84·6	−1·0	75·5	−1·6	80·1	−1·3	9·1	87·4	6th	72·1	30th	15·3
	Hambantota	64	29·822		29·812	29·897	11th	29·744	18th	·153	77·3	86·1		76·1		81·1		10·0	91·5	5th	71·8	18th	19·7
	Minicoy	7	29·911	+·013		29·981	11th & 24th.	29·765	21st	·216													
	Amini Divi	*13*	29·874	+·011	29·815	29·959	11th	29·713	21st	·246	81·3	85·8	+0·3	77·2	−0·1	81·5	+0·1	8·6	90·6	11th	72·5	27th	18·1
	Gyantse	13,120	18·444			18·551	23rd & 25th.	18·239	12th	·312	53·0	67·4		44·0		55·7		23·4	74·8	18th	34·2	13th	40·6
	Pharijong	14,400									49·7	55·6		30·4		43·0		25·2	59·8	28th	25·0	10th & 15th.	34·8
	Gangtok	5,667	24·306	−·030	24·261	24·447	18th	24·211	2nd	·236	67·9	75·2	+0·6	63·1	+7·1	69·1	+3·9	12·1	78·3	16th	61·2	12th & 15th.	17·1
	Gartok (c)	15,100									45·2	68·9		38·1		53·5		30·8	73·6	31st	29·1	7th	44·5

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.

(c) Aneroid.

B—*continued.*

in India, etc., in July, 1915—*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 1915.	Normal rainfall for period, 1st May to 31st July.	Departure from normal of period, 1st May to 31st July 1915.	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
																																Baluchistan.
29	0	1	0	0	0	1	0	0	*a*		2·8			*a*		45		·473		0·5		3			1·05			1·31			0·72	Fort Sandeman.
21	0	1	1	4	3	0	0	1	S 41° E	S 6° W	2·3	2·4	−0·1	20	+13	60	+ 5	·471	−·049	1·2	+0·1	1	1·4	−0·4	0·13	0·74	−0·61	0·13	1·29	−1·16	0·13	Quetta.
2	0	0	3	9	11	5	0	1	S 14° E	S 33° W	6·4	6·9	−0·5	69	+ 9	† 23	−7	† ·277	−·093	0·6	0	0	0·1	−0·1	0	0·06	−0·06	0	0·20	−0·20	0	Chaman.
31	0	0	0	0	0	0	0	0	Calm	S 21° W	4·7			*a*		52	+12	·359	−·022	1·3		1	1·4	−0·4	1·08	0·62	+0·46	1·14	1·18	−0·04	1·08	Kalat.
8	1	2	1	3	2	6	6	2	S 57° W		5·8			27		18		·227		1·3		0			0			0			0	Dalbandin.
3	2	1	1	1	2	5	15	1	S 80° W		7·7			56		89		1·002		6·7		1			0·12			0·12			0·12	Pasni.
12	1	1	2	1	2	7	2	3	S 55° W		5·8			27		64		·646		2·7		0			0·03			0·03			0·03	Panjgur.
11	0	6	3	0	0	3	8	0	N 54° W		4·6			10		33		·424		0·3		0			0			0·14			0	Robat.
																																Hill stations, excluding Kashmir and Baluchistan.
31	0	0	0	0	0	0	0	0	Calm		0·8			(*a*)		56	− 1	·491	−·012	1·5	−3·8	9	7·1	+1·9	5·54	3·57	+1·97	8·64	8·54	+0·10	1·90	Para Chinar.
3	6	1	0	3	12	1	2	3	S 18° W	S 18° E	5·1	6·6	−1·5	20	−12	57	−11	·586	−·016	2·3	−1·8	3	5·2	−2·2	0·44	3·86	−3·42	1·75	6·64	−4·89	0·13	Cherat.
19	1	1	3	3	0	4	0	0	S 43° E		5·5			13		49	− 4	·446	−·074	1·2	−0·5	3	1·6	+1·4	1·29	0·57	+0·72	1·63	3·58	−1·95	0·70	Drosh.
21	0	1	1	6	6	2	0	0	S 43° E	S 86° E	3·3	4·5	−1·2	27	+22	71	− 5	·511	−·002	3·1	−1·8	10	12·6	−2·6	8·94	11·67	−2·73	14·58	18·12	−3·54	2·31	Murree.
																80	− 6	·475	−·024	8·0	0	18	19·4	−1·4	11·17	16·95	−5·78	16·60	26·54	−9·94	1·67	Simla.
																75	− 4	·464	−·017	7·2	−0·4	15	17·9	−2·9	8·71	10·96	‡−2·25	10·25‖	18·79	−8·54	2·70	Sarain.
4	17	1	0	0	4	0	0	5	N 10° W		6·2			55		91	+ 3	·344	+·002	8·8	+0·3	17	19·8	−2·8	10·40	15·37	−4·97	10·82§	23·38‡	−12·56	2·91	Kalabagh.
																				8·5	+2·6	15	20·2	−5·2	12·72	20·22	−7·50	18·58‡	30·47	−11·89	3·41	Chakrata.
7	0	0	1	2	1	0	18	2	S 87° W		7·2			56		91	0	·498	−·003	8·5	+0·3	15	19·0	−4·0	9·58	13·50	−3·92	16·79	21·47	−4·68	1·96	Mukteswar.
20	0	0	0	0	0	0	1	0	W	S 83° E	1·1	2·6	−1·5	3	−27	97	+ 1	·529	+·005	9·8	+0·8	25	25·0	0	26·90	32·37	−5·47	55·86	63·88	−8·02	5·61	Darjiling.
20	0	0	2	2	4	3	0	0	S 10° E		1·9			23		83	− 1	·601	−·007	8·3	+0·4	25	19·4	+5·6	18·13	15·48	+2·84	56·86	41·64	+15·22	2·30	Shillong.
6	2	5	4	4	4	4	2	0	S 53° E		5·1			23		97	+ 1	·664	+·023	9·4	+0·3	25	27·3	−2·3	147·43	104·70	+42·73	319·77	227·81	+121·96	32·35	Cherrapunji.
10	0	0	0	2	2	17	0	0	S 34° W		2·3			62		90	+ 3	·669	+·010	8·6	+1·6	10	11·2	−1·2	6·27	5·56	+0·71	41·09	23·89	+17·20	2·52	Maymyo
1	1	0	0	1	1	9	13	5	S 81° W	S 85° W	7·5	7·9	−0·4	72	− 3	86	− 4	·670	−·001	8·1	−0·7	15	21·3	−6·3	24·22	23·93	+0·29	33·30	33·86	−0·56	4·82	Pachmarhi.
0	1	0	0	3	0	25	2	0	S 43° W	S 55° W	9·4	8·4	+1·0	82	+14	87	− 6	·644	0	7·4	−1·2	6	17·6	−11·6	3·80	22·96	−19·16	8·94	28·93	−19·99	1·10	Mount Abu.
1	1	0	0	0	0	11	16	2	S 78° W	N 84° W	5·0	7·2	−2·2	82	− 8	93	− 3	·599	+·008	9·3	−0·3	25	29·0	−4·0	29·47	42·28	−12·81	63·44	73·81	−10·37	3·24	Mercara.
5	0	0	0	0	3	5	13	5	S 81° W		4·4			66		89	+ 3	·428	+·038	8·9	+0·1	20	16·5	+3·5	12·98	9·02	+3·96	31·11	22·96	+8·15	1·19	Ootacamund.
1	0	0	0	3	2	1	16	8	N 88° W		9·2			66		85	+ 4	·410	+·022	7·3	+0·3	14	11·8	+2·2	6·22	5·01	+1·21	13·55	14·73	−1·18	1·04	Kodaikanal.
																																Extra India.
18	0	0	1	6	4	2	0	0	S 22° E					37						6·1	+0·9	12	9·3	+2·7	8·44	6·79	+1·65	17·75	19·67	−1·92	1·96	Singapore.
0	3	5	7	7	0	3	2	4	N 74° E					30								10	10·1	−0·1	8·57	6·53	+2·04	26·35	22·62	+3·73	2·65	Penang.
0	0	0	1	0	0	16	14	0	S 65° W	S 45° W	9·1	11·9	−2·8	86	−14	78	− 3	·800	−·062	7·5	+4·4	4	2·3	+1·7	1·77	1·99	−0·22	4·72	5·66	−0·94	0·72	Trincomalee.
5	1	2	0	1	1	16	3	2	S 56° W	S 65° W	4·4	6·8	−2·4	53	−30	89	+ 6	·852	−·017	9·8	+3·0	19	7·9	+11·1	12·34	5·05	+7·29	31·29	23·37	+7·92	1·75	Colombo.
0	0	0	0	0	0	11	18	2	S 77° W		11·8	11·7	+0·1	92		90		·845		5·0		10			4·96	1·37	+3·59	7·96	6·70	+1·26	1·43	Hambantota.
0	1	0	0	0	0	4	19	7	N 84° W	N 87° W	7·3	12·4	−5·1	87						6·9		19	13·6	+5·4	18·17	8·00	+10·17	31·03	24·20	+6·83	4·50	Minicoy.
0	0	0	0	0	0	9	14	8	S 88° W		14·1			84		84	+ 1	·899	+·004	7·9	+0·2	20	15·3	+4·7	17·72	11·83	+5·89	36·56	28·64	+7·92	3·07	Amini Divi.
21	1	0	3	2	3	0	0	1	S 53° E		4·1			16		63		·258		3·0		10			3·10			6·60			0·70	Gyantse.
0	4	0	1	8	6	4	4	4	S 69° W		6·8			26		73		·260		4·6		11			3·38			7·38			0·77	Phari Jong.
30	0	0	0	0	1	0	0	0	S		16·0			3		91	− 1	·617	+·016	4·8	−1·9	25	27·7	−2·7	31·63	21·90	+6·73	77·62	64·97	+12·65	3·32	Gangtok.
19	0	0	0	3	6	3	0	0	S		7·8			32						2·0		0			0			0¶			0	Gartok.

a Indeterminate.
† Mean of 30 days.

‡ Rainfall since 1st June 1915.
§ " " 22nd May 1915.
‖ " for June wanting.
¶ " since 27th May 1915.

Table

(2) Abstract of observations taken at 8 hrs. at 217

Number of subdivision	Station.	Elevation of barometer above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	Extra India—*concld.*																						
	Kashgar (*b*)	4,255	25·315	—·095		25·520	16th, 17th & 18th.	25·140	2nd, 3rd & 13th.	·380	79·4	94·3	+2·4	67·0	—0·8	80·7	+0·8	27·3	100·3	12th & 13th.	59·8	27th	40·5
	Kabul		23·975	—·130		24·100	17th	23·830	25th	·270	65·1	99·9	+6·7	63·1	+2·5	81·5	+4·6	36·8	111·6	29th	55·6	6th	56·0
	Meshed	3,104	26·669		29·637	26·825	16th	26·526	27th	·299	76·6	91·6	+0·7	60·8	—2·9	76·2	—1·1	30·8	105·4	9th	54·0	5th	46·4
	Jask	13	29·542	+·026	29·508	29·673	19th	29·359	31st	·314	89·9	97·5	+1·5	87·5	+2·0	92·5	+1·7	10·0	111·1	22nd	83·8	14th	27·3
	Muscat	20	29·553	+·051	29·521	29·655	19th	29·413	31st	·242	91·5	97·7	+4·5	88·1	+0·6	92·9	+2·5	9·6	109·6	1st	80·7	20th	28·9
	Bahrein	18																					
	Bushire	14	29·511	+·034	29·486	29·613	20th	29·396	26th	·217	88·7	94·3	—1·0	83·3	—1·0	88·8	—1·0	11·0	100·1	31st	77·0	13th	23·1
	Busrah	25	29·469	—·056	29·463	29·600	12th	29·356	24th	·244	91·4	106·3	+3·0	81·6	—0·2	94·0	+1·4	24·7	113·8	13th	74·1	10th & 11th.	39·7
	Kerman		24·410			24·520	15th & 16th.	24·315	28th	·205	83·5	101·9		82·2		92·0		19·7	108·0	9th	73·3	9th	34·7
	Ispahan (*b*)	*5,817*																					
	Tehran (*b*)	*4,002*																					
	Baghdad	127																					
	Beirut (*a*)																						
	Aden	94	29·616	—·005	29·641	29·716	9th	29·530	20th	·186	87·2	95·3	+1·9	84·6	+2·1	89·9	+2·0	10·7	99·8	16th	81·1	16th & 28th.	18·7
	Zanzibar	72	30·035	—·007	30·084	30·144	27th	30·018	4th	·126	75·5	81·4	+0·8	73·6	+0·8	77·5	+0·8	7·8	83·2		70·4	26th	12·8

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*) 8½ hrs. observations.
(*b*) Aneroid.

B – *concluded.*

stations in India, etc., in July, 1915—*concluded.*

Wind direction.											Wind velocity.			Wind steadiness.		Hygrometry, 8 hrs.				Cloud.		Rainfall.										
Number of winds from																																
Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Mean velocity, miles per hour.	Normal.	Departure from normal.	Actual percentage.	Departure from normal.	Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Mean cloud amount at 8 hrs.	Departure from normal.	Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 31st July 1915.	Normal rainfall for period, 1st May to 31st July.	Departure from normal of period, 1st May to 31st July 1915.	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 —*concld.*
25	1	1	[illegible]	0	1	0	0	2	N 27° E	N 52° W	2·6	3·6	−1·0	6	−1	45	−1	·445	+·009	1·7	−0·9	0	0·7	−0·7	0	0·25	−0·25	0	1·29	−1·29	0	Kashgar.
0	0	1	0	2	0	3	22	3	S 88° W	S 68° E				78	+75	66	+22	·417	−·010	1·0	+0·7	1	0·5	+0·5	0·37	0·13	+0·24	0·66	1·22	−0·66	0·36	Kabul.
29	2	0	[illegible]	0	0	0	0	0	N		1·8			6		47	+1	·422	−·070	1·4	+1·0	0	0·1	−0·1	0·12	0·07	+0·05	0·62	1·79	−1·17	0·08	Meshed.
1	1	1	25	2	1	0	0	2	N 88° E	S 66° E	10·6	11·1	−0·5	76	+19	77	+3	1·079	+·032	1·1	−0·9	0	0	0	0	0·01	−0·01	0	0·06	−0·06	0	Jask.
3	3	0	13	2	0	0	1	9	N 42° E	N 72° E	1·7	3·4	−1·7	33	−13	68	−7	·998	−·039	1·8	−1·4	0	0·1	−0·1	0	0·02	−0·02	0	0·17	−0·17	0	Muscat.
																							0			0			0·10			Bahrein.
7	4	1	[illegible]	1	2	4	5	7	N 70° W	N 37° W	5·3	6·2	−0·9	40	−4	75	+8	1·018	+·075	0·6	−0·1	0	0	0	0	0	0	0	0·02	−0·02	0	Bushire.
0	7	0	[illegible]	1	1	3	10	9	N 63° W		5·4			65		53		·775		0		0	0	0	0	0	0	0	0·46	−0·46	0	Busrah.
									?		?			?		45		·515		1·0		0			0			0·33			0	Kerman.
										N 49° W		2·6											0·1			0·03			0·29			Ispahan.
										S 44° W		1·7											0·6			0·22			0·75			Tehran.
										N 11° W		3·4											0			0			0·23			Baghdad.
																																Beirut.
10	3	10	3	2	2	0	1	0	N 57° E	S 12° W	6·4	7·7	−1·3	40	−12	73	+2	·943	+·047	4·4	+1·0	0	0	0	0	0·03	−0·03	0	0·23	−0·23	0	Aden.
2	0	0	0	4	14	11	0	0	S 11° W	S 15° W	5·1	6·0	−0·9	84	−6	85	−1	·747	+·021	7·1	+1·1	7	5·8	+1·2	3·94	2·78	+1·16	19·24	15·99	+3·25	1·11	Zanzibar.

Table C.—Abstract of observations taken at 8 hrs. at 58 fourth and fifth class stations in India, etc., in July, 1915.

Table

Abstract of observations taken at 8 hrs. at 58 fourth

Number of sub-division.	Station.	Temperature of air.													Wind direction.										
		Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.	Number of winds from: 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.—Assam.																								
4	Balek	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Bishnath	80·2	91·5*	...	76·6	+3·8	83·5*	...	14·7	95·5	26th	72·7	11th	22·8	...	...	...	...	...	...	...	...	...	...	...
	Borjuli	80·9	90·5	+0·2	75·8	+0·2	83·1	+0·2	14·7	95·4	27th	71·4	21st	24·0	...	...	...	...	...	...	...	...	...	...	...
	Chandkhira	82·1	91·9	+2·6	75·1	−0·4	83·5	+1·1	16·8	100·6	22nd	69·0	10th	31·6	...	...	...	...	...	...	...	...	...	...	...
	Doom Dooma	78·5	91·2	+2·3	75·9	+0·9	83·5	+1·6	15·3	97·5	29th	71·4	10th	26·1	...	...	...	...	...	...	...	...	...	...	...
	Dikom	79·2	89·0	0	77·0	+0·9	83·0	+0·5	12·0	96·2	4th	73·0	10th	23·2	...	...	...	...	...	...	...	...	...	...	...
	Golaghat	79·8	88·6	0	75·8	...	82·2	...	12·8	93·4	19th	71·4	11th	22·0	...	...	...	...	...	...	...	...	...	...	...
	Hailakandi	82·2	89·2	−0·6	76·6	+0·5	82·9	−0·1	12·6	95·5	20th & 22nd.	70·8	9th & 10th.	24·7	...	...	...	...	...	...	...	...	...	...	...
	Jorehat	80·2	89·4	−0·5	76·2	−0·4	82·8	−0·5	13·2	94·1	29th	72·9	11th	21·2	...	...	...	...	...	...	...	...	...	...	...
	Lumding	80·4	90·0	...	76·5†	...	83·1	...	13·5	93·5	26th & 29th.	71·8	12th	21·7	...	...	...	...	...	...	...	...	...	...	...
	Messa	83·3	92·4	−0·4	74·9	−0·8	83·7	−0·6	17·5	96·6	1st, 2nd & 3rd.	69·8	11th	26·8	...	...	...	...	...	...	...	...	...	...	...
	Panerihat	76·7	89·4	+0·7	72·9	−2·3	81·1	−0·8	16·5	93·1	30th	70·0	11th, 12th & 14th.	23·1	...	...	...	...	...	...	...	...	...	...	...
	III.—Bengal.																								
5	Comilla	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Brahmanbaria	82·9	88·6	+0·3	76·7	+1·7	83·6	+1·0	9·9	95·6	18th	72·9	11th	22·7	...	...	...	...	...	...	...	...	...	...	...
	Faridpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Goalundo	83·3	89·7	+1·4	78·9	+1·6	81·3	+1·5	10·8	94·1	4 days	73·1	12th	21·0	...	...	...	...	...	...	...	...	...	...	...
	Pabna	83·5	90·6	−1·1	78·2	+2·5	84·4	+0·7	12·4	96·0	20th	73·0	7th	23·0	...	...	...	...	...	...	...	...	...	...	...
	Sirajganj	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Rampur Boalia	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Malda	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Rangpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Dam Dim	79·0	93·1	+1·8	74·5	+0·4	83·8	+0·7	18·6	100·1	19th	67·8	27th	32·3	...	...	...	...	...	...	...	...	...	...	...
	Kalchini	82·7	88·5	−0·5	74·5	−0·6	81·5	−0·5	14·0	94·1	21st	72·0	24th	22·1	...	...	...	...	...	...	...	...	...	...	...
	Nagrakata	81·4	88·0	−0·5	75·0	0	81·5	−0·3	13·0	92·1	2nd, 3rd & 7th.	73·0	5 days	19·1	...	...	...	...	...	...	...	...	...	...	...
	Cooch Behar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Krishnagar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Bankura	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Raniganj (Asansol)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	IV.—Bihar and Orissa.																								
7	Hazaribagh	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	Bhagalpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Muzaffarpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Motihari	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Chapra	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Arrah	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Dehri	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

* Mean of 8 days. † Mean of 29 days.

C.

and fifth class stations in India, etc., in July, 1915.

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 May to 31st July 1915.	Normal rainfall of period, 1st May to 31st July.	Departure from normal of period, 1st May to 31st July 1915.	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.—Assam.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Balek.
...	...	...	...	...	92	− 3	·948	+·010	...	...	20	19·8	+0·2	31·65	17·27	+14·38	63·59	39·78	+23·81	6·20	Bishnath.
...	...	...	...	...	89	− 4	·939	−·014	...	...	21	20·5	+0·5	30·05	17·59	+12·46	57·05	40·96	+16·09	6·77	Borjuli.
...	...	...	...	...	90	− 1	·985	+·063	...	...	25	23·2	+1·8	26·68	18·57	+8·11	94·03	54·89	+39·14	4·20	Chandkhira.
...	...	...	...	...	92	− 2	·891	−·040	...	...	20	23·0	−3·0	18·21	19·82	−1·61	39·54	46·05	−6·51	2·65	Doom Dooma.
...	...	...	...	...	94	+ 2	·936	+·022	...	...	24	22·3	+1·7	26·04	20·18	+5·86	62·26	47·10	+15·16	2·69	Dikom.
...	...	...	...	...	93	+ 2	·949	+·002	...	...	21	18·0	+3·0	13·85	12·79	+1·06	42·16	30·92	+11·24	1·83	Golaghat.
...	...	...	...	...	92	+ 2	1·010	+·095	...	...	25	23·3	+1·7	34·87	20·45	+14·42	100·76	56·03	+44·73	10·95	Hailakandi.
...	...	...	...	...	90	+ 1	·924	−·016	...	...	19	17·7	+1·3	15·28	13·60	+1·68	52·62	33·17	+19·45	2·88	Jorahat.
...	...	...	...	...	87	...	·898	...	...	...	14	10·5	+3·5	12·13	7·08	+5·05	37·21	20·91	+16·30	2·93	Lumding.
...	...	...	...	...	80	− 5	·908	−·035	...	...	19	21·5	−2·5	12·05	21·21	−9·16	38·38	42·48	−4·10	3·00	Messa.
...	...	...	...	...	96	+ 1	·879	+·008	...	...	20	17·0	+3·0	46·79	14·62	+32·17	72·64	39·15	+33·49	9·04	Panerihat.
																					III.—Bengal.
...	...	...	...	...	...	...	...	...	...	...	14	18·7	−4·7	10·57	14·69	−4·12	60·68	43·59	+17·09	2·60	Comilla.
...	...	...	...	...	84	− 4	·941	−·015	...	...	15	18·3	−3·3	10·41	12·87	−2·46	56·75	37·85	+18·90	1·91	Brahmanbaria.
...	...	...	...	...	...	...	...	...	...	...	15	17·3	−2·3	9·75	12·78	−3·03	45·70	34·48	+11·22	2·37	Faridpur.
...	...	...	...	...	88	+ 1	1·007	+·034	...	...	16	16·3	−0·3	9·39	11·72	−2·33	46·33	31·27	+15·06	1·83	Goalundo.
...	...	...	...	...	86	− 1	·987	+·014	...	...	15	16·0	−1·0	13·18	13·77	−0·59	44·34	31·30	+13·04	3·17	Pabna.
...	...	...	...	...	...	...	...	...	...	...	19	15·4	+3·6	8·33	11·66	−3·33	45·30	32·01	+13·29	2·65	Sirajganj.
...	...	...	...	...	...	...	...	...	...	...	15	15·1	−0·1	14·37	10·66	+3·71	41·55	26·51	+15·04	3·40	Rampur Boalia.
...	...	...	...	...	...	...	...	...	...	...	10	14·7	−4·7	8·56	10·50	−1·94	25·01	24·30	+0·71	2·55	Malda.
...	...	...	...	...	...	...	...	...	...	...	14	14·9	−0·9	12·76	14·37	−1·61	53·50	42·92	+10·58	2·26	Rangpur.
...	...	...	...	...	93	− 2	·919	−·033	...	...	20	24·8	−4·8	38·30	42·62	−4·32	81·27	84·11	−2·84	5·60	Dam Dim.
...	...	...	...	...	83	− 4	·945	+·002	...	...	26	22·5	+3·5	25·47	39·23	−13·76	59·57	79·67	−20·10	3·85	Kalchini.
...	...	...	...	...	85	− 5	·903	−·007	...	...	23	26·2	−3·2	34·39	42·73	−8·34	73·10	85·97	−12·87	4·16	Nagrakata.
...	...	...	...	...	...	...	...	...	...	...	16	19·4	−3·4	19·56	29·53	−9·97	58·26	79·42	−21·16	3·45	Cooch Behar.
...	...	...	...	...	...	...	...	...	...	...	14	16·0	−2·0	8·06	11·38	−3·32	25·50	27·85	−2·35	2·08	Krishnagar.
...	...	...	...	...	...	...	...	...	...	...	12	15·5	−3·5	4·80	12·64	−7·84	16·79	27·62	−10·83	0·93	Bankura.
...	...	...	...	...	...	...	...	...	...	...	8	16·5	−8·5	5·30	12·38	−7·08	16·38	25·56	−9·18	1·14	Raniganj (Asansol).
																					IV.—Bihar and Orissa.
...	...	...	...	...	...	...	...	...	...	...	13	18·4	−5·4	6·72	13·30	−6·58	13·82	23·78	−9·96	1·56	Hazaribagh.
...	...	...	...	...	...	...	...	...	...	...	14	15.1	−1·1	14·54	12·38	+2·16	23·26	23·72	−0·46	3·95	Bhagalpur.
...	...	...	...	...	...	...	...	...	...	...	15	14·5	+0·5	14·51	12·55	+1·96	20·53	23·06	−2·53	2·49	Muzaffarpur.
...	...	...	...	...	...	...	...	...	...	...	15	14·3	+0·7	15·36	15·40	−0·04	21·29	27·68	−6·39	3·03	Motihari.
...	...	...	...	...	...	...	...	...	...	...	13	14·0	−1·0	14·50	11·76	+2·74	19·97	19·39	+0·58	2·84	Chapra.
...	...	...	...	...	...	...	...	...	...	...	9	14·6	−5·6	9·52	12·89	−3·37	15·79	20·76	−4·97	2·86	Arrah.
...	...	...	...	...	...	...	...	...	...	...	14	13·9	+0·1	9·03	10·83	−1·80	11·97	17·76	−5·79	2·04	Dehri.

Table

Abstract of observations taken at 8 hrs. at 58 fourth

Number of sub-division.	Station.	Temperature of air.													Wind direction.										
		Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.	Number of winds from: 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
	V.—United Provinces of Agra and Oudh.																								
10	Meerut	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Dehra Dun	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	IX.—Rajputana.																								
18	Udaipur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		...	...	...	...	...	...	...
	XII.—Central Provinces.																								
23	Chhindwara	77·0	86·2	...	73·0	...	79·6	...	13·2	94·2	12th & 13th.	68·9	30th	25·3	14	0	0	0	0	0	2	7	8	N 74° W	...
	XIII.—Hyderabad.																								
27	Parbhani	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	XV.—Madras.																								
	Tinnevelly	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
32	Anantapur	80·1	93·5	...	75·4	...	84·5	...	18·1	100·0	8th, 12th & 14th.	72·7	29th	27·3	...	...	...	...	...	...	...	...	...	...	...
33	Guntur	84·2	95·6	...	79·5	...	87·5	...	16·1	105·6	12th	73·0	15th	32·6	...	...	...	...	...	...	...	...	...	...	...
	Bay Islands.																								
1	Car Nicobar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Kashmir.																								
13	Jammu	90·2	101·0	...	82·6	...	91·8	...	18·4	106·1	10th	72·8	23rd	35·3	0	17	6	1	1	5	1	0	0	N 18° E	...
	Sonamarg	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Kargil	71·7	92·2	...	58·4	...	75·3	...	33·8	101·3	30th	51·4	6th	49·9	0	17	0	4	4	1	1	0	4	N 11° E	...
	Baluchistan.																								
15	Harnai	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Hill stations, exclusive of Kashmir.																								
	Panighatta	78·6	87·1	−0·5	74·2	+0·1	80·7	−0·2	12·9	91·5	3rd	71·0	12th	20·5	...	...	...	...	...	...	...	...	...	...	...
	Kurseong	69·9	74·3	+0·8	65·3	+0·3	69·8	+0·5	9·0	76·3	9th	62·9	12th	13·4	...	...	...	...	...	...	...	...	...	...	...
	Gnatong	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Lachung	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Ringim	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Mussooree	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Poo	...	81·6	+4·3	61·3	+3·4	71·4	+3·9	20·3	87·8	30th	55·9	7th	31·9	26	0	0	0	0	0	0	4	1	N 79° W	...
	Kailang	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Bakloh	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Pishin	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

C—*continued.*

and fifth class stations in India, etc., in July, 1915—*continued.*

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, 1915.	Normal rainfall of period, 1st May to 31st July.	Departure from normal of period, 1st May to 31st July, 1915.		
27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
																					V.—United Provinces of Agra and Oudh.
...	...	...	...	...	...	...	...	...	...	...	6	10·0	−4·0	9·14	9·29	−0·15	11·01	13·11	−2·07	4·09	Meerut.
...	...	...	...	...	...	...	...	...	...	...	18	20·7	−2·7	19·24	27·00	−7·76	32·22	36·90	−4·68	3·81	Dehra Dun.
																					IX.—Rajputana.
...	...	...	...	...	...	...	...	...	...	...	3	9·8	−6·8	2·19	7·82	−5·63	5·10	11·35	−6·25	1·20	Udaipur.
																					XII.—Central Provinces.
2·6	...	...	48	...	78	...	·722	...	0·6	...	15	...	...	9·89	...	...	17·08	...	...	1·92	Chhindwara.
																					XIII.—Hyderabad.
...	...	...	...	...	...	...	...	...	...	...	8	10·7	−2·7	5·19	7·09	−1·90	14·11	13·17	+0·94	2·41	Parbhani.
																					XV.—Madras.
...	...	...	...	...	...	...	...	...	...	...	3	0·5	+2·5	0·88	0·42	+0·46	3·30	2·44	+0·86	0·38	Tinnevelly.
...	...	...	...	...	80	...	·813	...	0·6	...	7	3·8	+3·2	3·60	2·05	+1·55	8·74	5·75	+2·99	1·25	Anantapur.
...	...	...	...	...	76	...	·875	...	2·1	...	7	8·7	−1·7	3·41	5·12	−1·71	10·70	11·05	−0·35	1·14	Guntur.
																					Bay Islands.
...	...	...	...	...	...	...	...	...	...	...	9	13·6	−4·6	11·92	8·27	+3·65	34·80	34·19	+0·61	3·10	Car Nicobar.
																					Kashmir.
...	...	...	52	...	59	...	·824	...	2·8	...	8	10·3	−2·3	5·54	11·41	−5·87	7·35	14·59	−7·24	3·00	Jammu.
...	...	...	...	...	...	...	...	...	...	...	7	9·9	−2·9	1·86	4·06	−2·20	5·84	12·99	−7·15	0·37	Sonamarg.
...	...	...	48	...	35	...	·272	...	0·2	...	0	0·8	−0·8	0	0·31	−0·31	0·94	2·13	−1·19	0	Kargil.
																					Baluchistan.
...	...	...	...	...	...	...	...	...	...	...	3	4·2	−1·2	2·88	2·35	+0·53	4·16	3·68	+0·48	1·55	Harnai.
																					Hill stations, exclusive of Kashmir.
...	...	...	...	...	90	+ 3	·880	+·009	...	...	28	23·0	+5·0	36·93	35·30	+1·63	68·55	70·78	−2·23	6·78	Panighatta.
...	...	...	...	...	96	+ 3	·704	+·066	...	...	29	27·8	+1·2	37·06	43·74	−6·68	93·88	81·85	+12·03	5·52	Kurseong.
...	...	...	...	...	...	...	...	...	...	...	29	...	...	41·84	...	...	86·82	...	...	3·80	Gnatong.
...	...	...	...	...	...	...	...	...	...	...	25	...	...	15·20	...	...	33·11	...	...	1·06	Lachung.
...	...	...	...	...	...	...	...	...	...	...	26	...	...	38·10	...	...	104·53	...	...	6·97	Ringim
...	...	...	...	...	...	...	...	...	...	...	18	22·1	−4·1	19·11	29·74	−10·63	28·55	41·00	−12·45	5·14	Mussooree.
...	...	...	16	...	...	...	...	...	0·5	0	0	2·3	−2·3	0	0·74	−0·74	0·36	2·04	−1·68	0	Poo.
...	...	...	...	...	...	...	...	...	...	...	0	4·3	−4·3	0·16	1·39	−1·23	2·23	5·11	−2·88	0·05	Kailang.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Bakloh.
...	...	...	...	...	...	...	...	...	...	...	...	0·2	...	...	0·07	...	...	0·30	...	...	Pishin.

Table

Abstract of observations taken at 8 hrs. at 58 fourth

Number of sub-division.	Station.	Temperature of air.													Wind direction.										
		Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean 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.																								
	Chumbi *	58·9	67·7	...	57·2	...	62·5	...	10·5	72·1	31st	53·1	9th, 15th & 16th.	19·0	...	...	...	...	...	...	...	...	...	...	...
	Pomba	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Prison Island	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Seistan	...	102·6	...	76·8	...	89·7	...	25·8	114·0	10th	67·0	7th,	47·0	1	0	0	0	0	0	0	1	29	N 45° W	...

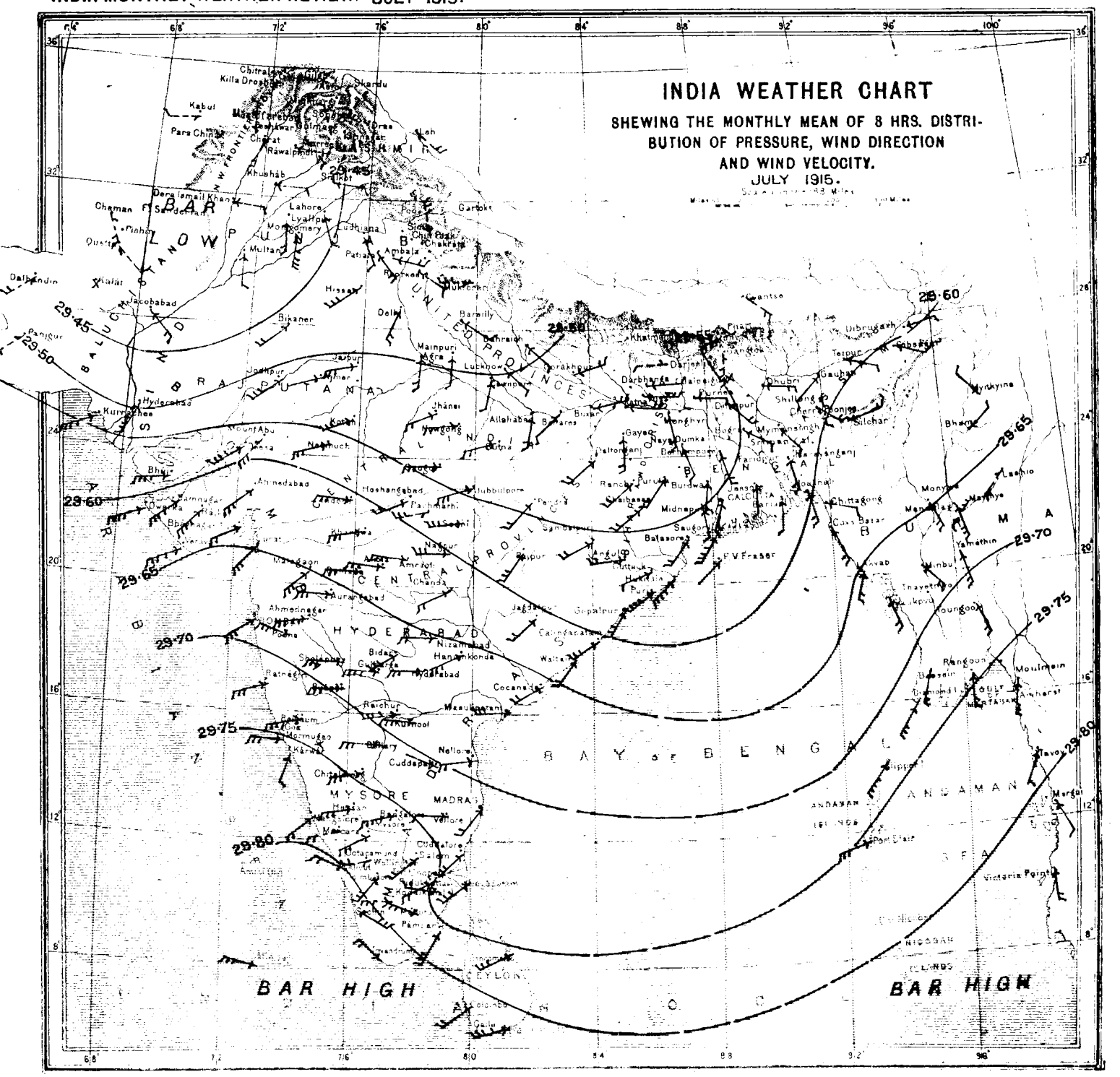
* Mean of 20 days.

C—*concluded.*

and fifth class stations in India, etc., in July, 1915—*concluded.*

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 May to 31st July, 1915.	Normal rainfall of period, 1st May to 31st July.	Departure from normal of period, 1st May to 31st July 1915.	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
																					Extra India.
...	...	...	...	...	86	...	·430	...	...	...	17	...	...	4·99	...	...	14·67	...	...	0·80	Chumbi.
...	...	...	...	...	...	...	...	...	...	...	5	8·1	−3·1	1·24	3·69	−2·45	33·16	27·22	+5·94	0·24	Pemba.
...	...	...	...	...	...	...	...	...	...	...	...	5·7	...	...	2·81	...	...	17·98	...	...	Prison Island.
12·3	...	...	94	...	...	...	...	...	...	...	0	...	...	0	...	...	0	...	...	0	Seistan.

CALCUTTA
SUPERINTENDENT GOVERNMENT PRINTING, INDIA
8, HASTINGS STREET

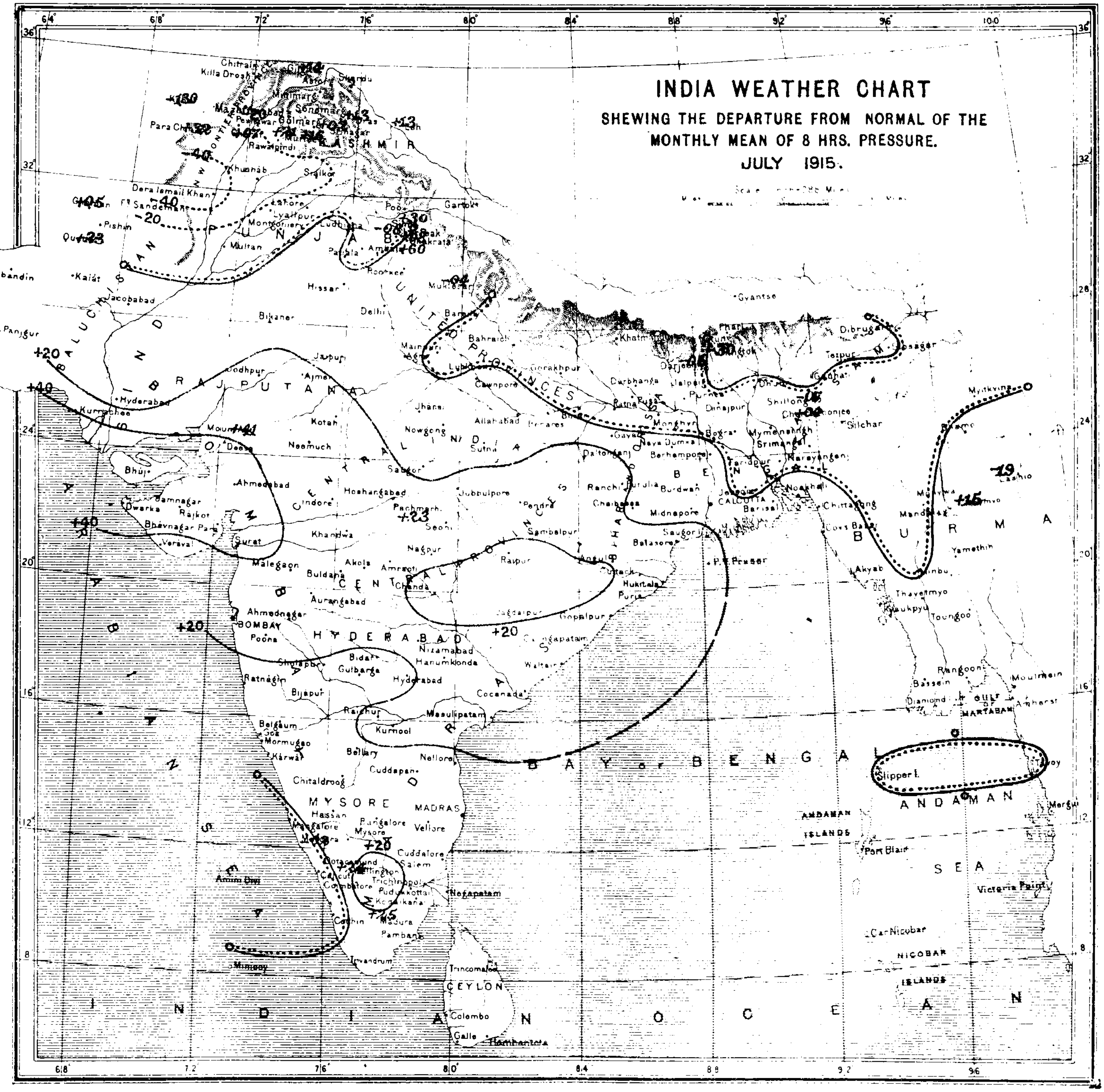


The lines of the above chart represent isobars or lines of equal barometric pressure, the numbers attached indicating the barometric pressure in inches and being drawn for differences of pressure of ·05 inch. The isobars in the Bay of Bengal are filled in by means of the shore observations, and by comparison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

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

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

Wind strengths are based on factor 2·2 for the standard type of Beckley Robinson anemograph instead of 3·0 as used for this plate



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.

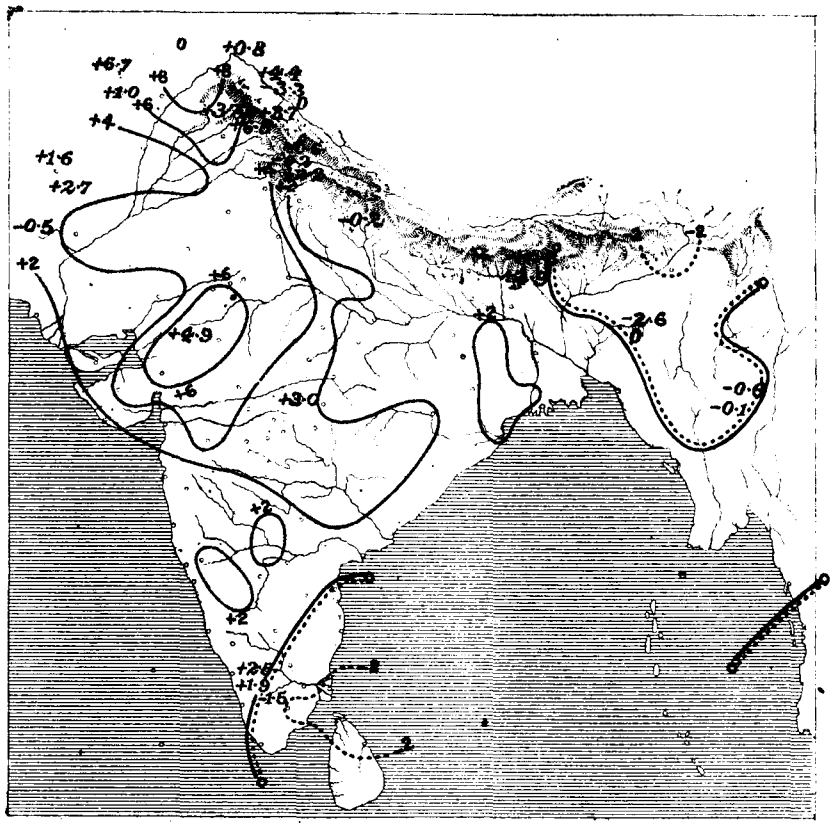


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MINIMUM TEMPERATURE.

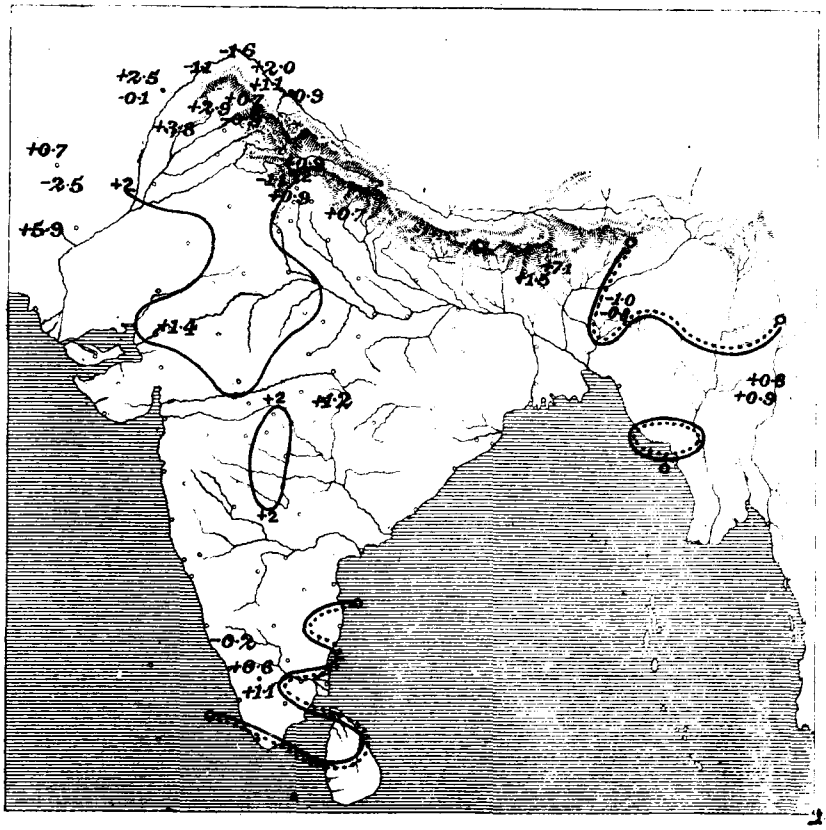


CHART SHEWING THE DEPARTURE FROM NORMAL
OF THE MONTHLY MEAN OF DAILY
MEAN TEMPERATURE.

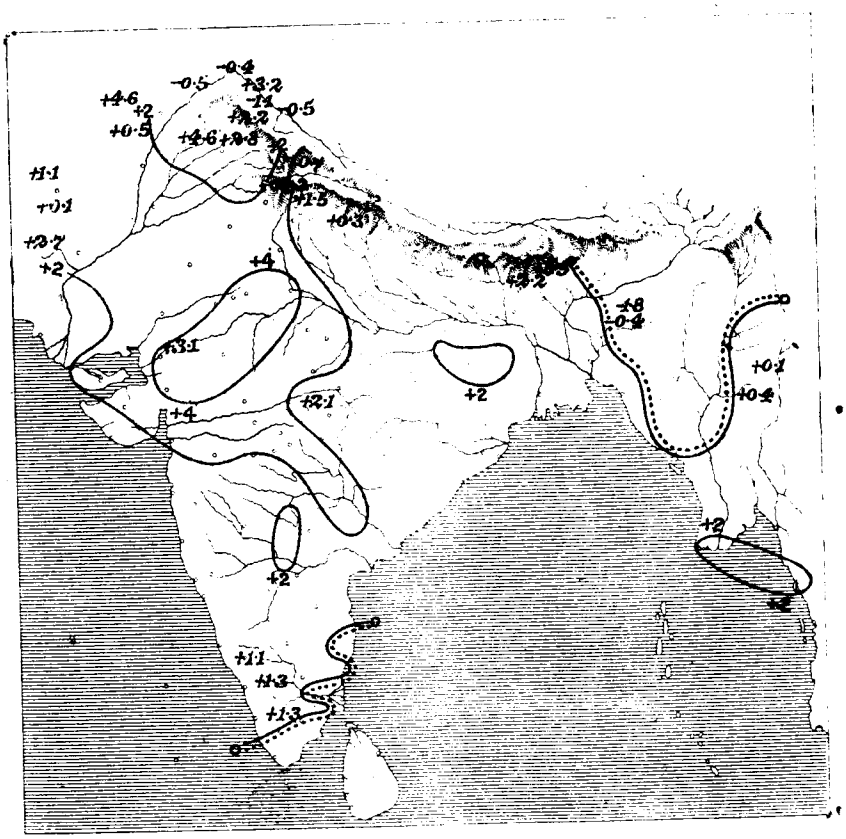


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF ABSOLUTE HUMIDITY AT 8 HRS.

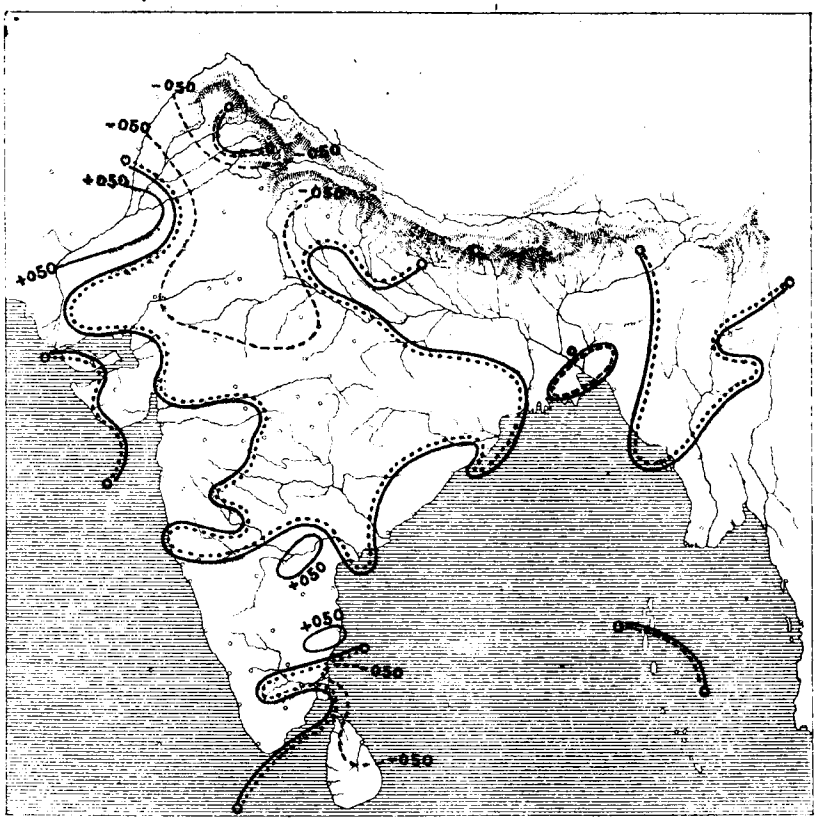


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF RELATIVE HUMIDITY AT 8 HRS.

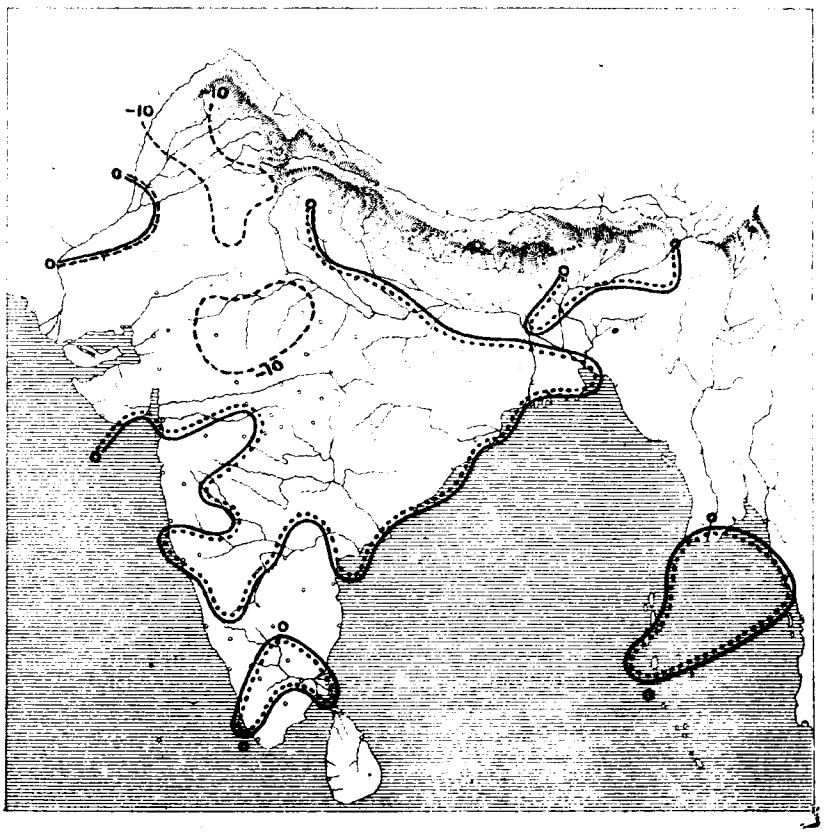


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF CLOUD AMOUNT AT 8 HRS.

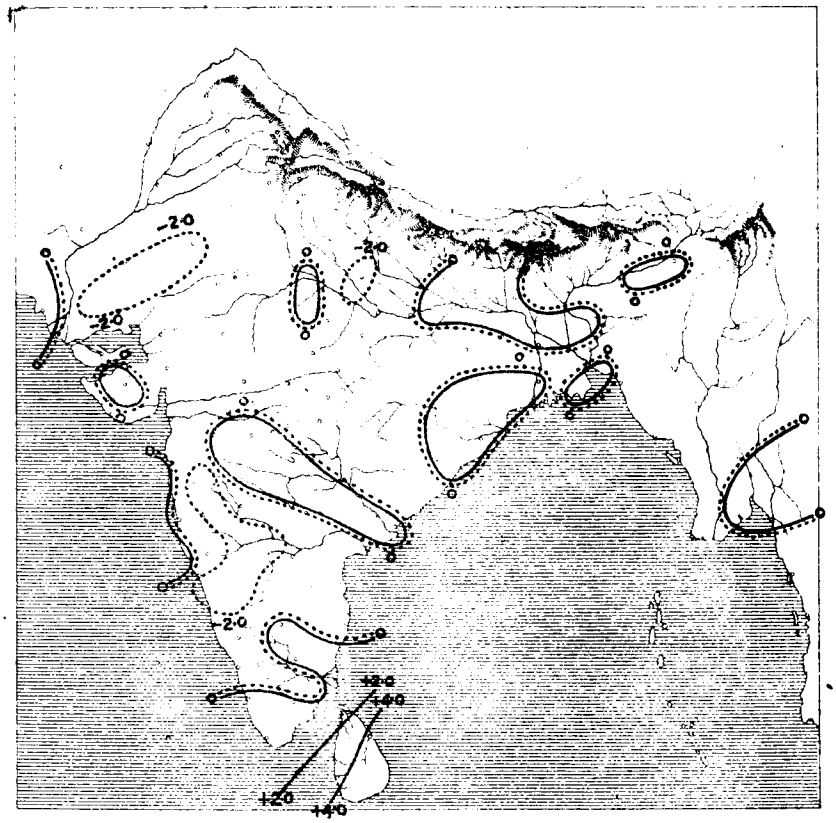
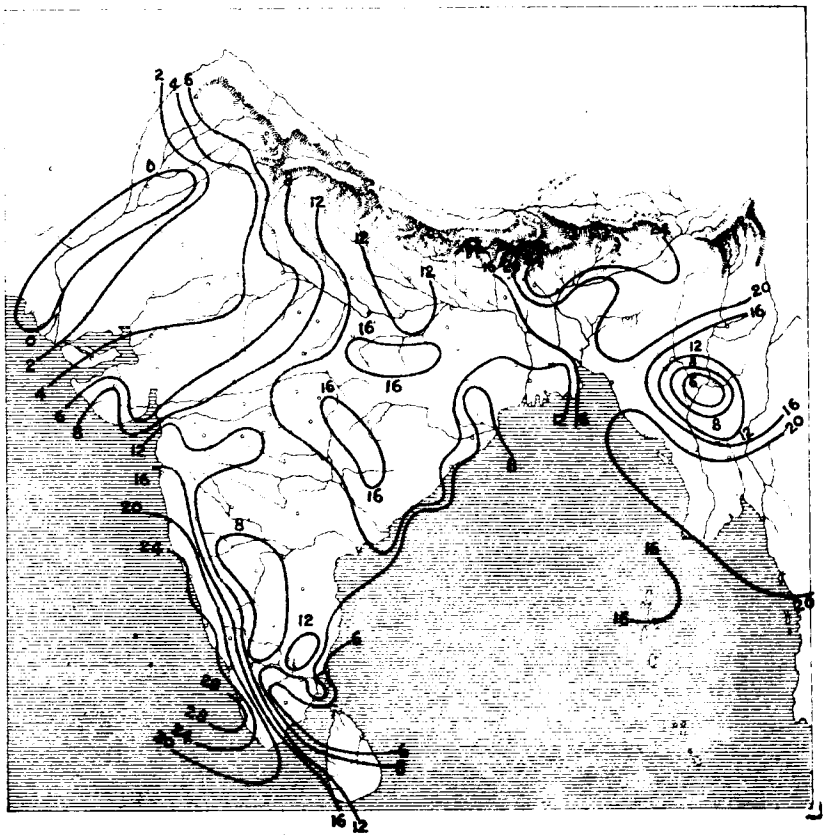
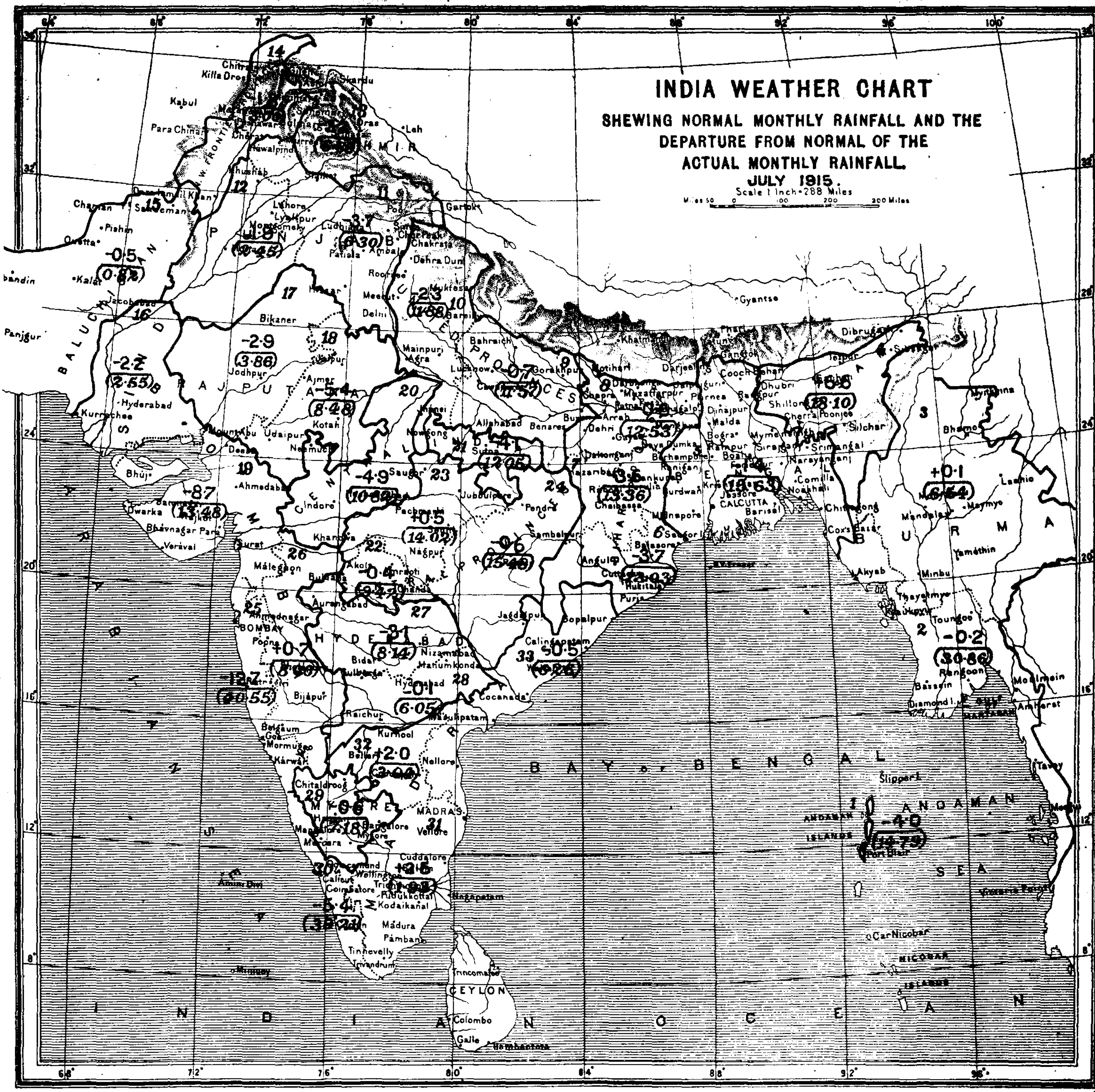


CHART SHEWING THE TOTAL NUMBER OF DAYS IN THE MONTH ON WHICH RAINFALL EQUALLED OR EXCEEDED 0·10 INCH.

(BASED ON THE RETURNS OF TABLE B.)





The country is divided into 33 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. Bengal
6. Orissa
7. Chota Nagpur
8. Bihar
9. United Provinces, East
10. United Provinces, West
11. Punjab, East and North
12. Do., Southwest
13. Kashmir
14. Northwest Frontier Province
15. Baluchistan
16. Sind
17. Rajputana, West
18. Rajputana, East
19. Gujarat
20. Central India, West
21. Do., East
22. Berar
23. Central Provinces, West
24. Do., East
25. Konkan
26. Bombay, Deccan
27. Hyderabad, North
28. Hyderabad, South
29. Mysore
30. Malabar
31. Madras, Southeast
32. Madras, Deccan
33. Madras Coast, North

GOVERNMENT OF INDIA

METEOROLOGICAL DEPARTMENT

MONTHLY WEATHER REVIEW

AUGUST 1915.

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G. C. SIMPSON, D.Sc., F.R.S.,

Offg. Director-General of Observatories.

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‡ Published continuously about four months after date. Copies for 1891—97, January, 1898, January, 1899, to May, 1902, January to November (June excepted), 1906, and January and March, 1904, are out of print.

Continued on page iii of this cover.

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MONTHLY WEATHER REVIEW

PUBLISHED BY ORDER OF

THE GOVERNMENT OF INDIA.

CALCUTTA, AUGUST, 1915.

INTRODUCTION.

THIS review of the weather in India during the month of August 1915, is based on observations taken daily at 8 hrs. at 216 stations, and on additional observations taken at 10 hrs. and 16 hrs. at 14 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, magnetic and seismic 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 weakness which had characterised the monsoon currents in June and July persisted through the greater part of August for which month the total quantity of rainfall in the plains of India was short of the normal by 1″ or 11 per cent. The weakness was shown mainly in the region usually served by the Arabian Sea current where an almost complete break obtained from the 9th to the 20th. As in July the currents penetrated but seldom into north-west India where accordingly, except for occasional local falls of rain, weather was exceedingly dry. Two disturbances occurred over the Bay, one in the first week and the other towards the end of the month and both travelled into the United Provinces.

The total precipitation of the month was deficient over the whole country with the exception of Assam, Bengal, Bihar, the United Provinces, Central India East, the Central Provinces proper, Hyderabad South and the Madras Coast North. The deficit amounted to 10″ in the Konkan, 6″ in Malabar, 5″ in Chota Nagpur and Gujarat, 4½″ in the Bay Islands, 3½″ in Rajputana West and 3″ in the Punjab East and North, Rajputana East, Berar and Mysore. In Sind the month was practically rainless. The greatest excess on the other hand occurred in Central India East (3½″ or 29 per cent.) and the United Provinces East (5″ or 43 per cent).

As is ordinarily the case during the rains the departures of temperature, humidity and cloud over a large part of the country were determined by those of rainfall; compared with the normal temperature was high, and humidity and cloud low, generally in north-west India.

Solar, magnetic and seismic disturbances.

KODAIKANAL OBSERVATORY.

3. *Solar Observations.*—The sun was examined for spots and faculæ on all the days of the month except on the 1st; prominences could not be observed on 7 other days.

Sunspots.—Seventeen new groups of spots were observed during the month as against fourteen in July. The daily average number was 3·1 and the average life of a spot was 5·0 days.

The distribution of spots in latitude was as follows :—

TABLE 1.

—	0°—10°	11°—20°	21°—30°	Mean latitude.	Extreme latitudes.
North . . .	1	5	4	18°·6	5° & 24°
South . . .	...	4	3	21°·0	17° & 27°

Prominences.—Seventy-nine large, four eruptive and three metallic prominences were recorded. The greatest height recorded was 270″ which was observed at latitude — 52° west on the 31st.

Magnetic disturbances.—"Moderate" disturbances, none of which could be definitely associated with sun spots, were recorded on the following dates :—

2nd, 6th to 8th, 10th, 19th and 26th.

T. ROYDS,
for *Director*,
Kodaikanal and Madras Observatories.

Seismic records.

$\phi = 10° 13' 50''$; $\lambda = 77° 28' 00''$; $h = 2343$m. *Subsoil* Rock.

Apparatus.—Milne's Horizontal Pendulum Seismograph.

TABLE 2.

	V	To	ϵ	$\frac{r}{To^2}$
AN :				
AE :	9·76	18·7	1	2·5
AZ :				

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude (μ). An.	Ae.	Az.	Distance Δ (Km.)	Remarks.
1915.		h. m. s.						
Aug. 3rd	e P	13 14 30	...	...	...	...	...	
	i L	13 22 00	...	...	...	...	...	
	M	13 31 06	...	...	60	...	...	
	F	14 44 36	...	...	...	...	...	
„ 6th	e P	13 32 54	...	...	...	...	...	
	e L	13 57 42	...	...	...	...	...	
	M	13 58 42	...	...	50	...	...	
	F	14 46 42	...	...	...	...	...	
Aug. 11th	e P	9 37 12	...	...	...	...	...	
	e L	9 44 54	...	...	...	...	...	
	M	9 48 30	...	...	40	...	...	
	F	10 04 30	...	...	...	...	...	
„ 12th	e P	7 47 24	...	...	...	...	...	
	i L	7 58 54	...	...	...	...	...	
	M	8 03 42	...	...	140	...	...	
	F	8 33 06	...	...	...	...	...	
„ 12th	i P	9 22 48	...	...	...	...	...	
	i L	9 23 06	...	...	...	...	...	
	M	9 26 42	...	...	320	...	...	
	F	9 58 06	...	...	...	...	...	
„ 12th	e P	13 50 00	...	...	...	...	...	
	e L	13 53 36	...	...	...	...	...	
	M	13 54 54	...	...	50	...	...	
	F	14 12 00	...	...	...	...	...	
„ 13th	P	.....	...	...	...	...	...	
	e L	22 23 48	...	...	...	...	...	
	M	22 24 48	...	...	60	...	...	
	F	22 30 00	...	...	...	...	...	
„ 16th	e P	1 22 18	...	...	...	...	...	
	F	2 19 00	...	...	...	...	...	Widening of line.
„ 19th	e P	0 52 30	...	...	...	...	...	
	F	1 14 54	...	...	...	...	...	Widening of line.
„ 31st	e P	20 50 48	...	...	...	...	...	
	e L	21 05 36	...	...	...	...	...	
	M	21 10 30	...	...	60	...	...	
	F	21 39 42	...	...	...	...	...	

T. ROYDS,
Assistant Director.

BOMBAY OBSERVATORY.

Alibag magnetic record.

4. During the month of August 1915, the traces showed 6 calm days and 25 days of small disturbance.

The days of the month selected as quiet for the purposes of the Magnetic Survey of India are the 5th, 14th, 15th, 16th and 24th.

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	S
2	S	10	S	18	S	26	S
3	S	11	S	19	S	27	S
4	S	12	S	20	S	28	S
5	C	13	C	21	S	29	S
6	S	14	C	22	S	30	S
7	S	15	C	23	S	31	S
8	S	16	C	24	C		

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

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° 40′ 13″
Horizontal force	0·36867 C.G.S. unit.
Vertical force	0·16696 C.G.S. unit.
Inclination	24° 21′·9.
Horizontal force range . .	0·00042 C.G.S. unit.
Horizontal force summed range .	0·00276 C.G.S. unit.
Declination range . . .	5′·3.
Declination summed range . .	22′·2.

(NOTE.—Summed range means sum without regard to sign of the twenty-four ordinates of the diurnal inequality).

Seismic records.

ϕ =18° 53′ 36″; λ = 72° 48′ 56″; h=11 m. *Subsoil* Trap.

Apparatus.—Milne's Horizontal Pendulum Seismograph.

TABLE 4.

	V	To	ϵ	r/To²
AN:				
AE:	9	21	1	
AZ:				

Date.	Phase.	Time, G. M. T.	Period (Sec.).	Amplitude (μ). An.	Ae.	Az.	Distance Δ (Km.).	Remarks.
1915.		h. m. s.						
August 3rd	P	13 8 19	...	...	...	...	...	
	M	13 47 5	...	...	56	...	...	
	F	14 24 22	...	...	...	...	...	
August 6th	...	6 30 0	...	...	...	...	...	Thickening of line.
" "	P	13 32 39	...	...	...	...	...	
	M	14 0 39	...	...	67	...	...	
	F	14 45 39	...	...	...	...	...	
" "	...	19 48 0	...	...	...	...	...	Thickening of line.
" 7th	P	.....	...	...	...	...	...	Lost in shifting time.
	M	15 23 58	...	...	44	...	...	
	F	16 2 4	...	...	...	...	...	
" 11th	e P	.....	...	...	...	...	...	
	M	9 40 9	...	...	11	...	...	
	F	9 55 26	...	...	...	...	...	
" 12th	P	7 44 36	...	...	...	...	...	
	M	8 7 42	...	...	56	...	...	
	F	8 39 19	...	...	...	...	...	
" [illegible]	P	9 22 16	...	...	...	...	...	
	M	9 30 8	...	...	167	...	...	
	F	9 58 3	...	...	...	...	...	
" 16th	e P	.....	...	...	...	...	...	
	M	1 50 25	...	...	44	...	...	
	F	2 10 37	...	...	...	...	...	
" 21st	...	20 21 m to 23 m	...	...	...	...	...	Thickening
" 23rd	...	1 0 0	...	...	...	...	...	"
" 28th	...	17 42 0	...	...	...	...	...	"
" 29th	...	2 41 0	...	...	...	...	...	"
" 31st	P	20 55 40	...	...	...	...	...	
	M	21 11 17	...	...	22	...	...	
	F	21 33 40	...	...	...	...	...	

Sensibility to tilt 1·0 mm. of amplitude on the trace = 0·29″.

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

5. CALCUTTA (ALIPORE) OBSERVATORY.

Seismograph dismantled.

6. SIMLA OBSERVATORY.

The Simla seismograph notes will appear in a future number of the Review.

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

TABLE 5.

Place at which felt.	Date.	G. M. T. of earthquake.		Duration.	Intensity Rossi-Forel scale.	No. of shocks.
		h.	m.	sec.		
Turbat-i-Haidari (Persia) .	Aug. 13th	18	54	4	2	1
Drosh	" 21st	20	25	7	6	1

Solar radiation.—No observations with the Angstrom's pyrheliometer were possible during the month owing to overcast skies.

C. W. NORMAND,

Imperial Meteorologist, Simla.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

7. No information has been received.

Weather in the Indian Ocean.

8. Pressure was low at Mauritius and about normal at the stations nearer to the equator. The distribution of pressure over the Indian Ocean was thus favourable for the prospects of Indian rainfall in September.

TABLE 6.

—	Mauritius.	Zanzibar.	Seychelles.
Departure from normal of mean pressure	—·023	+·011	—·004
Actual mean wind direction . .	S 51° E	S 16° W	S 15° E
Normal mean wind direction . .	S 68° E	S 1° W	S 35° E
Actual mean wind velocity (miles per diem).	209	125	238
Normal mean wind velocity (miles per diem).	216	120	231
Rainfall departure from normal . .	—1·44	—1·27	+1·13

Depressions and cyclonic storms.

9. Only two disturbances occurred in the course of the month. The first of these was developed over the head of the Bay between July 31st and the 2nd August; it crossed inland presumably on the night of the 2nd and travelling slowly through Orissa, Chota Nagpur and the east of Central India was dissipated over the western districts of the United Provinces on the 6th. It was of slight intensity throughout and did not produce any marked concentration of rainfall.

The second disturbance was generated off the north Madras coast on the 24th and 25th and after travelling slowly northwards on the 26th and 27th, during which time it was increasing in depth, lay near False Point on the morning of the 28th. The centre moved inland some time during the day and travelling in a north-westerly direction had reached the neighbourhood of Pendra by 8 hrs. of the 29th. It recurved to north during the next 24 hrs. and traversing the east of Central India and of the United Provinces disappeared at the foot of the Nepal hills on the 1st September. Its barometric depth was about a quarter of an inch while crossing the coast, but had diminished to a seventh of an inch by the 31st. It was noteworthy chiefly for the deluge of rain it gave to the region round Lucknow and Cawnpore. In the course of the 72 hrs. between the 31st August and the 2nd September a total fall of 21″ occurred at Cawnpore and of 17″ at Lucknow; the normal rainfall for the whole monsoon period June to September in that region does not exceed 33″.

Destructive floods are reported to have occurred around Lucknow and also in Bihar and Assam.

Pressure.

10. On the mean of all the recording stations in the plains barometric pressure for the month was ·016″ in defect of the normal. The deficiency was not however entirely general, for in a small area comprising Mysore, Hyderabad, the Bombay Deccan, east Gujarat and the central districts of the Central Provinces the recorded monthly values were somewhat higher than usual.

The negative departures were strongly marked over the greater part of northern India, the maximum deficit occurring in the North-West Frontier Province where it averaged ·071″ in amount. Owing to these peculiarities in the distribution of pressure the gradient was unusually steep over the northern half of the Peninsula and the eastern extremity of the monsoon trough lay appreciably to the north of its normal position. Relatively to the plains pressure was in excess at the level of the hill stations in northern India and the south of the Peninsula, or in other words the vertical gradient there was below its normal strength.

TABLE 7.

DIVISION.	Departure from normal of mean 8 hrs. pressure.
	″
Burma	—·016
Assam	—·039
Bengal	—·025
Bihar and Orissa	—·025
United Provinces	—·027
Punjab	—·035
North-West Frontier Province	—·071
Sind	—·021
Rajputana	—·012
Bombay	+·003
Central India	—·015
Central Provinces	—·008
Hyderabad	+·005
Mysore	+·004
Madras	—·006

TABLE 8.

HILL STATION.	Departure from normal pressure. A	PLAIN STATION.	Departure from normal pressure. B	Departure of pressure difference. B—A
	″		″	″
Quetta	—·026	Jacobabad	—·027	—·001
Leh	—·007	Lahore	—·041	—·034
Murree	—·016	Peshawar	—·066	—·050
Simla	+·001	Ludhiana	—·024	—·025
Chakrata	—·051?	Roorkee	—·024	+·027?
Darjiling	—·018	Dhubri	—·038	—·020
Mount Abu	—·006	Deesa	+·010	+·016
Pachmarhi	—·012	Khandwa	+·003	+·015
Kodaikanal	+·015	Madura	—·011	—·026

Temperature.

11. Temperature conditions approximated closely to the normal except in the dry zone of north-west India where the day temperature was appreciably, and the night temperature slightly, higher than usual.

TABLE 9.

Sub-division.	Actual temperature.					Departure from normal of		
	Mean maximum.	Mean minimum.	Monthly mean of mean between maximum and minimum.	Mean daily range of temperature.	Absolute range during month.	Maximum.	Minimum.	Daily range.
	°	°	°	°	°	°	°	°
1. Bay Islands	86·3	79·3	82·8	7·0	14·5	+1·5	+2·1	—0·6
2. Lower Burma	85·3	76·0	80·7	9·3	17·2	+0·9	+1·2	—0·3
3. Upper Burma	89·8	76·2	83·0	13·5	21·9	+0·5	+0·5	0
4. Assam	88·4	77·8	83·1	10·6	18·6	—0·1	+0·6	—0·7
5. Bengal	88·8	79·1	83·9	9·7	16·6	+1·1	+0·9	+0·2
6. Orissa	89·8	79·4	84·6	10·4	18·3	+1·8	+1·4	+0·4
7. Chota Nagpur	89·2	76·9	83·1	12·3	19·6	+1·5	+1·2	+0·3
8. Bihar	89·7	79·3	84·5	10·4	19·1	+0·6	+0·9	—0·3
9. United Provinces, East	89·5	78·9	84·2	10·7	19·4	—0·3	+0·3	—0·6
10. Do., West	91·0	78·4	84·7	12·7	24·4	+0·7	+0·3	+0·4
11. Punjab, East and North	98·8	80·9	89·8	17·9	28·9	+4·5	+2·4	+2·1
12. Do., South-west	103·8	83·9	93·9	19·8	34·0	+2·5	+2·1	+0·4
13. Kashmir	84·2	60·3	72·3	23·9	39·2	+0·9	+0·8	+0·1
14. North-West Frontier Province	105·3	83·1	94·1	22·2	35·1	+5·2	+3·5	+1·7
15. Baluchistan	100·3	71·7	86·0	28·6	40·5	+3·8	+5·1	—1·3
16. Sind	96·6	80·8	88·7	15·8	24·5	+1·3	+1·2	+0·1
17. Rajputana, West	99·5	80·8	90·1	18·7	26·1	+4·1	+1·3	+2·8
18. Do., East	93·0	78·5	85·8	14·5	24·1	+3·1	+1·4	+1·7
19. Gujarat	89·9	77·9	83·9	12·0	18·2	+2·2	+1·3	+0·9
20. Central India, West	85·7	73·4	79·5	12·3	20·7	+1·9	+1·4	+0·5
21. Do., East	85·7	76·7	81·3	9·1	15·9	—1·2	+0·1	—1·3
22. Berar	84·2	72·7	78·5	11·6	19·4	—0·8	+0·8	—1·6
23. Central Provinces, West	83·9	73·7	78·8	10·2	20·1	—0·9	+0·2	—1·1
24. Do., East	85·5	74·4	79·9	11·1	20·6	+0·2	+1·0	—0·8
25. Konkan	84·3	76·5	80·4	7·8	12·6	+0·9	+0·7	+0·2
26. Bombay Deccan	84·7	69·9	77·3	14·8	23·3	+0·5	+0·3	+0·2
27. Hyderabad, North	85·4	71·0	78·3	14·4	23·1	+0·4	+1·2	—0·8
28. Do., South	89·0	73·4	81·2	15·6	26·2	+1·4	+0·5	+0·9
29. Mysore	83·1	66·9	75·0	16·2	24·5	+1·7	+0·6	+1·1
30. Malabar	83·9	75·1	79·5	8·7	14·1	+0·8	+0·8	0
31. Madras, South-east	94·1	76·7	85·4	17·4	25·7	+0·9	+1·2	—0·3
32. Do. Deccan	93·3	76·7	85·0	16·7	26·9	+1·6	+1·8	—0·2
33. Do. Coast, North	91·3	79·2	85·2	12·1	22·9	+1·3	+1·2	+0·1

TABLE 10.

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

Winds.

12. (*a*) In keeping with the steepness of baric gradient referred to in the section on "Pressure" winds were stronger and steadier than usual in most parts of the Peninsula and also in Central India, the Punjab, Sind and Rajputana, while in Burma and north-east India the air motion was on the whole fairly normal, both as regards velocity and steadiness.

(*b*) The direction of movement differed to no great extent from the normal, the only noteworthy feature being the presence of an undue northerly element at most of the stations in the interior of the Peninsula.

TABLE 11.

Division.	Departure from normal of	
	Hourly wind velocity.	Wind steadiness.
Burma	—0·6	+ 3
Assam	—0·1	+ 8
Bengal	—0·5	—10
Bihar and Orissa	0	— 4
United Provinces	—0·2	+ 6
Punjab	+0·9	+10
North-West Frontier Province	—0·5	+ 5
Sind	+1·0	+11
Rajputana	+1·2	+ 4
Bombay	—0·5	— 2
Central India	+1·1	+10
Central Provinces	+1·4	+12
Hyderabad	+2·2	+ 4
Mysore	+1·2	+ 3
Madras	+0·8	+ 3

Humidity and cloud.

13. Humidity, both absolute and relative, was low over the region of marked deficiency of rainfall roughly stretching from the Punjab southwards to central Madras, but the lowness was pronounced only in the northern half of Rajputana and the adjacent districts of the Punjab. Elsewhere the departures from normal were of no significance.

The distribution of cloud agreed in its main features with that of rainfall. There was considerably less cloud than usual in Kashmir, the North-West Frontier Province, the Punjab, Rajputana, Mysore, central and south-east Madras, central Burma and parts of Assam, but in most other parts of the country the sky was covered to about the customary extent.

TABLE 12.

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	0	·898	+·015	7·4	—0·5
Assam	90	+ 1	·948	+·008	6·5	—1·1
Bengal	90	— 1	·989	+·020	7·7	+0·1
Bihar and Orissa	87	— 1	·952	+·019	7·3	+0·2
United Provinces	85	— 1	·939	+·006	6·6	+0·1
Punjab	67	— 7	·841	—·033	2·6	—1·6
North-West Frontier Province.	66	— 7	·875	—·003	1·3	—1·4
Sind	77	+ 2	·887	+·034	5·1	+0·4
Rajputana	65	—11	·730	—·084	4·9	—1·2
Bombay	82	— 3	·817	—·009	7·4	—0·2
Central India	84	— 3	·805	—·021	8·5	+0·3
Central Provinces	85	— 1	·779	—·009	7·8	+0·2
Hyderabad	78	— 3	·719	—·001	6·8	0
Mysore	83	— 1	·628	—·009	7·4	—1·2
Madras	77	— 1	·820	+·011	5·8	—0·7

Rainfall.

14. The aggregate measurements of the rainfall of the month were short of the normal over by far the greater part of the country. The only areas which formed exceptions to the general deficiency were Assam, Bengal, Bihar, the United Provinces, Central India East, Central Provinces proper, Hyderabad South and the Madras Coast North. The deficiency in the plains was between 35 and 50 per cent. in amount in Chota Nagpur, Punjab East and North, the North-West Frontier Province, Rajputana East, Berar, the Bombay Deccan, Konkan and the Madras Deccan, and it exceeded 50 per cent. in the Punjab South-west (71 per cent.), Baluchistan (71 per cent.), Sind (99 per cent.), Rajputana West (79 per cent.), Gujarat (64 per cent.) and Mysore (51 per cent.).

The distribution of rainfall was thus rather unsatisfactory.

TABLE 13.

Sub-division.	Number of rainy days.		Rainfall.			
	Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
			"	"	"	
1. Bay Islands	12·0	18·1	9·17	13·83	—4·66	— 34
2. Lower Burma	23·2	24·0	26·87	27·81	—0·94	— 3
3. Upper Burma	10·2	10·8	6·61	7·41	—0·80	— 11
4. Assam	18·1	17·9	18·15	16·90	+1·25	+ 7
5. Bengal	16·4	16·6	15·37	14·37	+1·00	+ 7
6 Orissa	12·7	15·7	10·60	12·95	—2·35	— 18
7. Chota Nagpur	12·6	16·7	8·20	13·40	—5·20	— 39
8. Bihar	14·7	13·9	14·92	12·28	+2·64	+ 21
9. United Provinces, East	15·9	12·7	16·28	11·38	+4·90	+ 43
10. Do., West	11·6	11·7	11·84	11·62	+0·22	+ 2
11. Punjab, East and North	5·0	6·8	3·73	6·56	—2·83	— 43
12. Punjab, South-west	1·0	2·8	0·68	2·32	—1·64	— 71
13. Kashmir	8·1	8·5	7·18	8·60	—1·42	— 17
14. North-West Frontier Province	2·8	4·3	1·96	3·28	—1·32	— 40

Sub-division.	Number of rainy days.		Rainfall.			
	Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
			"	"	"	
15. Baluchistan	0·5	1·1	0·19	0·66	—0·47	— 71
16. Sind	0·1	2·1	0·01	1·77	—1·76	— 99
17. Rajputana, West	1·2	5·7	0·93	4·51	—3·58	— 79
18. Do., East	7·4	9·5	4·98	7·88	—2·90	— 37
19. Gujarat	4·8	11·0	3·06	8·42	—5·36	— 64
20. Central India, West	10·0	12·4	8·50	10·07	—1·57	— 16
21. Do., East	13·7	12·8	15·47	12·00	+3·47	+ 29
22. Berar	8·4	10·6	4·13	7·27	—3·14	— 43
23. Central Provinces, West	14·1	14·1	13·39	12·25	+1·14	+ 9
24. Do., East	13·6	15·5	15·25	14·46	+0·79	+ 5
25. Konkan	20·4	24·3	14·14	23·99	—9·85	— 41
26. Bombay Deccan	6·5	9·7	3·10	5·61	—2·51	— 45
27. Hyderabad, North	8·6	11·1	5·74	7·68	—1·94	— 25
28. Do., South	8·4	10·6	7·49	6·65	+0·84	+ 13
29. Mysore	6·0	8·9	2·63	5·40	—2·77	— 51
30. Malabar	17·0	21·2	14·87	20·64	—5·77	— 28
31. Madras, South-east	4·6	5·7	3·11	3·82	—0·71	— 19
32. Do. Deccan	4·7	6·6	2·13	3·96	—1·83	— 46
33. Do. Coast, North	10·3	10·2	9·03	6·97	+2·06	+ 30

TABLE 14.

Division.	Rainfall.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Burma	14·57	15·42	—0·85	— 6
Assam	18·15	16·90	+1·25	+ 7
Bengal	15·37	14·37	+1·00	+ 7
Bihar and Orissa	12·15	12·73	—0·58	— 5
United Provinces	13·89	11·51	+2·38	+ 21
Punjab	2·99	5·52	—2·53	— 46
North-West Frontier Province	1·96	3·28	—1·32	— 40

Division.	Rainfall.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Sind	0·01	1·77	—1·76	— 99
Rajputana	3·49	6·86	—3·37	— 49
Bombay	5·07	9·81	—4·74	— 48
Central India	11·59	11·04	+0·55	+ 5
Central Provinces	11·52	11·71	—0·19	— 2
Hyderabad	6·61	7·16	—0·55	— 8
Mysore	2·63	5·40	—2·77	— 51
Madras	5·83	6·31	—0·48	— 8
Mean of India	8·87	9·94	—1·07	— 11

Snowfall.

AFGHANISTAN.

NORTH-WEST FRONTIER PROVINCE.

PUNJAB.

No reports have been received and presumably there was no snowfall.

KASHMIR.

No snow is reported to have fallen beyond a sprinkling on the higher mountains around Kargil.

UNITED PROVINCES.

Almora.—The total fall of the month was estimated at about 5 feet in Byans, 4 feet in Malla Durma, 3½ feet in Chaudas and 1½ feet in Malla Johar.

The snowline descended to a distance of about five miles from the perpetual snows in Malla Byans.

TABLE 15.

Name of pass or peak.	Depth of accumulation at the end of the month.	
	Reported.	Normal.
	Feet.	Feet.
Nuwe pass	14	17
Lipulekh „	5	3
Lampia „	8	7½
Binkaru „	4	12
Untadhura	1½	6

SUMMARY.

16. There was but little snowfall outside of Almora and even there it was by no means unusual. According to the available information the accumulations existing at the end of the month in the western Himalayas were, if anything, of less than the average depth.

HEM RAJ.

Table A.—Abstract of observations taken at 10 hrs. and 16 hrs. at 14 stations in India, etc., in August, 1915.

Table

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

Number of sub-division.	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
	III.—Bengal.																					
5	Calcutta . .	21	29·610	29·515	·095	29·585	—·026	29·533	89·8	80·0	9·8	93·5	77·2	16·3	85·6	86·1	84·6	+2·2	78·2	80·9	81·0	80·0
	VI.—Punjab.																					
11	Lahore . .	702	28·842	28·744	·098	28·785	—·049	29·426	103·1	83·9	19·2	109·2	77·8	31·4	93·6	101·7	92·6	+5·5	76·9	80·1	81·5	79·5
	IX.—Rajputana.																					
18	Jaipur . .	1,431	28·196	28·100	·096	28·148	—·031	29·489	93·6	77·2	16·4	100·2	74·4	25·8	85·5	91·7	83·8	+1·5	73·2	75·8	77·7	75·6
	X.—Bombay.																					
25	Bombay . .	37	29·760	29·696	·064	29·738	+·009	29·715	84·9	78·2	6·7	87·1	75·4	11·7	81·9	82·6	80·5	+1·1	73·3	77·9	77·8	76·3
	XIV.—Mysore.																					
29	Bangalore . .	3,021	26·893	26·794	·099	26·852	+·008	29·677	84·4	66·9	17·5	90·5	64·7	25·8	77·0	81·9	73·8	+0·0	65·4	69·3	70·0	68·2
	XV.—Madras.																					
31	Pudukkottai .	318	29·516	29·387	·129	29·451		29·694	96·3	76·6	19·7	99·9	71·9	28·0	87·4	92·9	86·4			76·9	79·4	
	Madras . .	22	29·778	29·666	·112	29·731	—·015	29·684	95·5	79·1	16·4	100·0	73·7	26·3	88·8	90·3	86·2	+1·7	75·3	78·2	79·6	77·7
	Hill stations, excluding Kashmir and Baluchistan.																					
	Sarain . . .		23·049	23·000	·049	23·022		22·984	71·6	58·1	13·5	75·5	54·2	21·3	66·8	68·9	64·3			61·5	63·0	
	Kalabagh . .																					
	Mukteswar . .	7,592	22·764	22·709	·055	22·735		22·692	67·3	58·5	8·8	74·3	56·6	17·7	62·3	64·2	62·4			61·3	62·8	
	Katmandu . .	4,388	25·583	25·506	·077	25·543	+·106†	25·497	83·8	69·2	14·4	88·2	67·5	20·7	77·3	80·1	76·0	+1·5†	67·0	71·5	73·0	70·5
	Kodaikanal . .	7,688	22·815	22·754	·061	22·785		22·720	64·1	53·2	10·9	68·2	50·6	17·6	61·7	59·7	58·7		51·3	57·9	57·6	55·6
	Dodabetta . .	8,539	22·036	21·988	·048	22·013		21·950	57·5	48·5	9·0	62·5	45·1	17·4	55·4	54·2	52·5		44·2	53·4	53·2	50·3
	Extra India.																					
	Diego Garcia .																					
	Seychelles . .	15	30·009	29·923	·086	29·969	—0·04†	29·907	80·8	76·7	4·1	82·8	75·1	7·7	78·8	80·0	77·3	+0·7†	69·9	72·9	73·6	72·1
	Mauritius . .	181				29·991	—·012	30·127	75·0	59·5	15·5						66·8	—1·1				61·3

N.B.—Elevations in Italics indicate barometric 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.
† Departure from old normal.

A.

at 14 stations in India, etc., in August, 1915.

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 sub-division.
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
																															III.—Bengal.	
·939	·991	·989	·975	+·008	92	81	80	85	−3	8·7	8·9	8·8	+0·1	4	1	1	9	12	10	22	3	0	S 1° W	S 2° E	53	56	88	82	15·91	3·84	Calcutta.	5
																															VI.—Punjab.	
·829	·844	·801	·849	−·035	72	54	40	56	−15	1·9	2·4	2·1	−1·9	11	3	4	6	8	7	4	10	9	S 55° W	S 78° E	10	24	53	49	0·55	0·38	Lahore.	11
																															IX.—Rajputana.	
·771	·773	·775	·786	−·020	83	64	54	69	−9	6·3	5·9	6·1	−1·5	2	2	4	1	1	1	13	21	17	N 81° W	N 69° W	61	42	103	82	4·32	0·96	Jaipur.	18
																															X.—Bombay.	
·751	·898	·885	·853	−·032	78	83	80	81	−6	8·8	8·4	8·6	+0·2	0	0	0	1	3	0	16	38	4	S 78° W	S 81° W	82	79	210	270	8·45	2·01	Bombay.	25
																															XIV.—Mysore.	
·609	·626	·591	·613	0	92	68	56	74	−5	7·1	7·5	7·3		0	1	0	0	0	0	10	33	18	N 83° W	S 81° W	85	88	182	145	2·28	0·44	Bangalore.	29
																															XV.—Madras.	
	·779	·823				60	54			4·3	7·1	5·7		8	3	0	0	4	2	9	13	22	N 75° W		56		99		7·34	2·20	Pudukkottai.	31
·830	·817	·867	·849	+·013	84	61	62	70	−3	4·9	6·5	5·7	−1·2	0	0	1	6	10	3	12	25	5	S 58° W	S 36° W	44	56	215	121	1·20	0·27	Madras.	
																															Hill stations, excluding Kashmir and Baluchistan.	
	·493	·515				75	73			7·6	7·2	7·4																	18·37	2·74	Sarain.	
																															Kalabagh.	
	·530	·558				95	93			9·6	9·2	9·4		21	0	2	1	2	1	3	30	2	S 87° W		48		133		24·83	3·56	Mukteswar.	
·624	·703	·730	·689	+·007	89	75	71	79	−3	7·0	7·8	7·4	+0·3	0	0	1	24	0	0	0	36	1	N 84° W	N 66° W	19	2	15	13	14·79	2·36	Katmandu.	
·359	·442	·453	·418		89	81	87	86		7·3	9·1	8·2		2	5	3	4	4	6	0	19	18	N 64° W		40		196		6·79	1·16	Kodaikanal.	
·245	·387	·396	·338		72	89	94	85		9·1	9·6	9·3		0	12	1	1	1	0	8	23	15	N 61° W		66		221		10·28	3·09	Dodabetta.	
																															Extra India.	
																															Diego Garcia.	
·643	·733	·745	·715	−·022	70	74	73	73	−5	6·0	5·5	5·7	−0·7†	0	0	0	0	24	34	4	0	0	S 15° E	S 25° E	90	89	238	231	3·69	0·95	Seychelles.	
			·463	−·010				70	−4			4·8	−0·3										S 52° E	S 66° E			209		0·78	0·23	Mauritius.	

* One wind variable. † Departure from old normal.

Table B.—Abstract of observations taken at 8 hrs. at 216 stations in India, etc., in August, 1915.

(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 2,300 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	87·1	+0·8	76·1	+0·9	81·6	+0·8	11·0	19·1	—0·6	+3	89	0	·898	+·015	7·4	—0·5	14·57	15·42	—0·85
Assam	—·039	88·4	—0·1	77·8	+0·6	83·1	+0·3	10·6	18·6	—0·1	+8	90	+ 1	·948	+·008	6·5	—1·1	18·15	16·90	+1·25
Bengal	—·025	88·8	+1·1	79·1	+0·9	83·9	+1·0	9·7	16·6	—0·5	—10	90	— 1	·989	+·020	7·7	+0·1	15·37	14·37	+1·00
Bihar and Orissa	—·025	89·6	+1·3	78·8	+1·2	84·2	+1·2	10·8	19·0	0	—4	87	— 1	·952	+·019	7·3	+0·2	12·15	12·73	—0·58
United Provinces of Agra and Oudh	—·027	90·2	+0·2	78·7	+0·3	84·4	+0·3	11·6	21·7	—0·2	+6	85	— 1	·939	+·006	6·6	+0·1	13·89	11·51	+2·38
Punjab	—·035	100·4	+4·0	81·9	+2·3	91·1	+3·1	18·5	30·6	+0·9	+10	67	— 7	·841	—·033	2·6	—1·6	2·99	5·52	—2·53
North-West Frontier Province	—·071	105·3	+5·2	83·1	+3·5	94·1	+4·3	22·2	35·1	—0·5	+5	66	— 7	·875	—·003	1·3	—1·4	1·96	3·28	—1·32
Sind	—·021	96·6	+1·3	80·8	+1·2	88·7	+1·2	15·8	24·5	+1·0	+11	77	+ 2	·887	+·034	5·1	+0·4	0·01	1·77	—1·76
Rajputana	—·012	95·6	+3·5	79·4	+1·4	87·5	+2·4	16·2	24·9	+1·2	+4	65	—11	·730	—·084	4·9	—1·2	3·49	6·86	—3·37
Bombay	+·003	87·1	+1·4	75·1	+0·9	81·1	+1·1	12·0	18·6	—0·5	—2	82	— 3	·817	—·009	7·4	—0·2	5·07	9·81	—4·74
Central India	—·015	85·7	+0·3	75·1	+0·7	80·4	+0·5	10·7	18·3	+1·1	+10	84	— 3	·805	—·021	8·5	+0·3	11·59	11·04	+0·55
Central Provinces	—·006	84·5	—0·6	73·7	+0·5	79·1	0	10·8	20·1	+1·4	+12	85	— 1	·779	—·009	7·8	+0·2	11·52	11·71	—0·19
Hyderabad	+·005	87·4	+1·0	72·4	+0·8	79·9	+0·9	15·1	24·9	+2·2	+4	78	— 3	·719	—·001	6·8	0	6·61	7·16	—0·55
Mysore	+·004	83·1	+1·7	68·9	+0·6	75·0	+1·1	16·2	24·5	+1·2	+3	83	— 1	·628	—·009	7·4	—1·2	2·63	5·40	—2·7
Madras	—·006	91·4	+1·1	77·1	+1·2	84·3	+1·1	14·3	23·0	+0·8	+3	77	— 1	·820	+·011	5·8	—0·7	5·83	6·31	—0·48

Table

(2) Abstract of observations taken at 8 hrs. at 216

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 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	147	29·744		29·820	29·830	31st	29·668	1st	·162	79·3	84·2		74·5		79·4		9·7	86·6	12th	71·4	25th	15·2
	Mergui	66	29·808	—·010	29·804	29·909	31st	29·731	1st	·178	77·8	83·4	—1·1	73·1	+0·2	78·3	—0·5	10·3	89·2	13th	70·0	31st	19·2
	Tavoy	19	29·841	—·021	29·793	29·956	31st	29·745	1st	·211	78·4	84·1	+1·3	75·9	+1·9	80·0	+1·6	8·2	89·2	11th	73·8	30th	15·4
	Moulmein	94	29·747	+·004?	29·779	29·902	31st	29·663	1st	·239	78·0	84·3	+1·1	75·1	+0·9	79·7	+1·0	9·2	90·6	24th	72·0	30th	18·6
	Rangoon	18	29·795	—·002	29·751	29·941	31st	29·682	1st	·259	80·3	86·6	+1·6	77·0	+1·1	81·8	+1·3	9·6	91·5	12th	72·5	31st	19·0
	Bassein	27	29·757	—·022	29·721	29·900	31st	29·625	1st	·275	80·4	85·9	+1·2	77·7	+1·8	81·8	+1·5	8·2	91·2	11th	75·7	31st	15·5
	Diamond Island	41	29·758	—·010	29·733	29·874	31st	29·611	1st	·263	82·4	86·1	+1·9	79·1	+3·2	82·6	+2·5	7·0	88·4	11th & 12th	72·4	22th	16·0
	Toungoo	164	29·629	—·003	29·736	29·757	31st	29·516	1st	·241	79·1	87·1	+0·1	75·4	+0·6	81·2	+0·3	11·7	92·3	24th & 25th	71·2	8th	21·1
	Kyaukpyu	18	29·729		29·687	29·878	31st	29·542	1st	·336	79·8	85·2		75·4		80·3		9·8	88·8	12th & 14th	72·1	30th	18·7
	Akyab	20	29·718	—·007	29·679	29·870	31st	29·516	1st	·354	80·6	86·0	+1·5	77·0	—0·2	81·5	+0·7	9·0	89·9	25th	74·5	30th	15·4
3	Minbu	*165*	29·564	—·021	29·672	29·695	31st	29·440	1st	·255	81·4	90·6	+0·3	77·8	+0·6	84·2	+0·5	12·8	97·7	12th	76·0	31st	21·7
	Yamethin	657	29·098	—·010	29·707	29·221	31st	28·979	1st	·242	78·3	88·2	—1·2?	75·4	+0·8	81·8	—0·2?	12·8	93·3	24th	74·0	6th	19·3
	Mandalay	250	29·489	—·010	29·685	29·598	31st	29·375	1st	·223	82·6	94·9	+1·6	78·8	+0·9	86·9	+1·3	16·1	100·6	15th	76·5	7th	24·1
	Monywa	*280*	29·438	—·032	29·604	29·549	31st	29·317	1st	·232	82·3	96·1	+3·0	80·3	+2·0?	86·2	+2·5?	15·8	102·6	14th	78·6	27th	24·0
	Lashio	*2,820*	26·957	—·035	26·903	27·055	31st	26·859	1st	·196	73·5	83·0	+0·2	70·4	+1·0	76·7	+0·6	12·6	89·1	17th	67·0	17th	22·1
	Bhamo	*361*	29·343	—·010	29·656	29·447	31st	29·243	10th	·204	79·0	88·2	+0·3	75·2	—0·1	81·7	+0·1	13·1	92·2	2nd	73·2	19th	19·0
	Myitkyina	458	29·223	—·032	29·639	29·320	31st	29·107	10th	·213	77·9	87·2	—0·1	75·7	0	81·5	—0·1	11·5	96·2	19th	73·0	17th	23·2
	II.—Assam.																						
4	Dibrugarh	353	29·300	—·050	29·614	29·398	31st	29·139	10th	·259	78·0	85·0	—1·7	75·2	—0·5	80·1	—1·1	9·8	91·6	3rd	70·9	13th	20·7
	Sibsagar	333	29·336	—·040	29·622	29·468	31st	29·178	10th	·290	80·6	87·2	—1·8	73·1	+0·2	82·7	—0·6	9·1	92·6	3rd	74·8	14th	17·8
	Tezpur	252	29·409	—·031	29·618	29·503	31st	29·242	10th	·261	80·7	89·3	+0·2	73·1	+0·5	83·7	+0·6	11·2	93·8	3rd	74·3	14th	19·5
	Gauhati	196	29·473	—·032	29·623	29·576	22nd	29·316	10th	·260	83·2	89·9	0	73·5	+0·7	84·2	+0·3	11·4	93·5	2nd & 3rd	76·1	14th	17·4
	Dhubri	115	29·523	—·036	29·592	29·630	20th	29·300	10th	·330	82·3	86·1	0	79·4	+0·8	82·7	+0·5	6·7	89·5	22nd	76·3	14th	13·2
	Silchar	104	29·573	—·042	29·630	29·692	31st	29·417	1st	·275	81·0	90·1	+0·6	77·9	+1·1	84·0	+0·9	12·2	97·4	3rd	76·2	12th & 17th.	21·1
	Srimangal	66	29·564*		29·579?	29·670	31st	29·410	1st	·260	79·8	91·1	+1·5	77·4	+1·4	84·3	+1·5	13·7	96·2	3rd	76·0	14th & 31st.	20·2
	III.—Bengal.																						
5	Cox's Bazar	36	29·657		29·638	29·796	31st	29·480	1st	·336	80·4	86·8		76·9		81·9		9·9	89·5	1st	74·5	20th	15·0
	Chittagong	87	29·603	—·019	29·635	29·707	12th	29·414	1st	·293	80·6	87·2	+1·5	77·2	+1·0	82·2	+1·2	10·0	91·4	2nd	75·2	13th	16·2
	Noakhali	43	29·635	—·015	29·625	29·769	31st	29·467	1st	·302	81·8	87·6	+2·1	78·6	+1·5	83·1	+1·8	9·0	90·8	3rd	76·4	18th & 31st.	14·4
	Barisal	12	29·644	—·015	29·603	29·761	31st	29·473	2nd	·288	82·3	88·5	+1·8	75·2	+1·0	83·8	+1·3	9·3	92·7	14th	77·0	31st	15·7
	Narayanganj	26	29·617	—·035	29·592	29·722	20th	29·463	1st	·259	83·3	89·0	+1·3	79·5	+0·5	84·2	+0·9	9·5	91·9	3rd, 26th & 27th.	76·0	13th	15·9

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

* Mean of 27 days.

B.—*continued.*

stations in India, etc., in August, 1915—*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, 1915.	Normal rainfall for period, 1st May to 31st August.	Departure from normal of period, 1st May to 31st August, 1915.	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.—Central Provinces—*concld.*
0	1	0	0	0	1	12	16	1	S 73° W	S 56° W	6·4	6·1	+0·3	86	+14	89	0	·832	+·025	6·3	−1·7	10	15·5	−5·5	18·89	13·07	+5·32	38·89	37·33	+1·56	4·36	Raipur.
0	0	0	0	0	1	11	15	4	S 76° W	S 76° W	5·5	4·1	+1·4	83	+ 8	82	0	·815	+·006	7·4	−0·5	13	15·3	−2·3	11·46	13·47	−2·01	29·48	38·48	−9·00	3·20	Chanda.
9	0	0	0	0	2	10	0	0	S 62° W		3·1*			62		84		·792		5·0		16			17·59			40·51			3·00	Jagdalpur.
																																XIII.—Hyderabad.
0	0	0	0	0	0	7	20	4	S 83° W		11·7			92		83	0	·704	−·005	8·5	+0·3	4	9·5	−5·5	2·08	5·35	−3·27	20·49	17·87	+2·62	0·60	Aurangabad.
0	2	0	0	0	1	9	12	7	S 89° W		4·7			75		79	− 3	·724	−·024	7·2	+0·3	13	14·5	−1·5	9·97	10·82	−0·85	20·87	26·26	−5·39	2·76	Nizamabad.
0	0	0	0	0	0	21	2	8	S 69° W		6·5			78		79	− 7	·682	−·027	7·4	+2·0	8	11·7	−3·7	5·08	7·33	−2·25	15·61	21·12	−5·51	2·60	Bidar.
0	0	0	0	0	0	4	21	6	N 87° W	N 75° W	9·6	10·0	−0·4	92	+11	78	− 3	·690	−·022	6·7	−0·5	6	9·1	−3·1	2·20	6·45	−4·25	10·97	18·98	−8·01	0·96	Gulbarga.
0	0	0	0	0	0	10	9	12	N 87° W	S 81° W	11·8	9·5	+2·3	79	− 2	75	− 1	·718	+·013	3·8	−2·1	6	9·3	−3·3	5·01	5·74	−0·73	10·01	15·44	−5·43	2·45	Raichur.
0	0	0	0	0	0	1	20	10	N 77° W	N 83° W	10·7	6·1	+4·6	96	+ 3	79	− 2	·773	+·066	7·5	+0·1	9	11·3	−2·3	9·47	6·80	+2·67	26·71	17·96	+10·75	3·79	Hyderabad (Deccan).
0	0	0	0	0	0	5	15	11	N 81° W		5·7			86		73	+ 2	·742	−·006	6·8	−0·2	10	10·8	−0·8	11·25	6·94	+4·31	24·80	22·83	+1·97	3·20	Hanamkonda.
																																XIV.—Mysore.
0	0	0	0	0	0	6	14	11	N 82° W	S 78° W	7·6	7·8	−0·2	86	− 2	82	− 1	·629	−·026	7·1	−1·6	5	7·2	−2·3	1·25	3·26	−1·97	12·01	12·84	−0·83	0·32	Chitaldrug.
0	1	0	0	0	0	5	16	9	N 81° W	N 87° W	8·0	3·2	+4·8	84	− 4	87	+ 2	·621	−·008	7·1	−1·6	6	9·4	−3·4	1·40	4·21	−2·81	17·62	18·73	−1·11	0·55	Hassan.
0	0	0	0	0	0	6	19	6	W	S 73° W	7·7	6·1	+1·6	88	+20	82	− 3	·628	+·004	7·1	−1·5	8	9·7	−1·7	2·28	5·49	−3·21	17·12	16·87	+0·25	0·44	Bangalore.
1	0	0	0	0	0	13	15	2	S 73° W	S 72° W	7·8	9·1	−1·3	85	− 2	79	− 3	·633	−·008	8·3	−0·2	7	6·7	+0·3	2·85	3·53	−0·68	21·32	14·01	+7·31	1·04	Mysore.
																																XV.—Madras.
2	8	1	4	1	0	3	9	3	N 44° W	N 72° W	4·5	1·8	+2·7	37	+12	87	− 2	·853	+·010	7·4	−1·1	20	24·5	−4·6	13·97	22·79	−8·82	82·62	104·45	−21·83	4·56	Mangalore.
10	2	1	0	1	0	2	5	10	N 58° W	N 22° W	4·7	5·6	−0·9	43	+ 6	94	+ 3	·865	+·024	7·4	−0·4	17	18·4	−1·4	14·99	16·05	−1·06	83·31	89·23	−5·92	5·40	Calicut.
4	6	6	5	0	0	2	2	6	N 7° E	N 13° W	5·2	4·2	+1·0	43	− 4	85	− 1	·836	−·005	7·5	+0·2	18	18·2	−0·2	8·13	13·09	−4·96	83·14	75·49	+7·65	1·48	Cochin.
1	7	0	0	0	0	0	4	19	N 40° W	N 13° W	6·7	6·6	+0·1	88	+ 3	85	0	·824	+·018	8·3	+0·6	10	9·3	+0·7	2·66	4·09	−1·43	41·24	32·89	+8·35	0·92	Trivandrum.
3	1	1	1	5	11	8	1	0	S 4° W	S 43° W	7·2	7·3	−0·1	59	− 6	79	+ 2	·878	+·007	3·2	0	0	1·3	−1·3	0·03	0·92	−0·81	2·53	2·16	+0·37	0·05	Pamban.
0	2	1	0	0	0	0	13	15	N 50° W	N 41° W	4·6	2·3	+2·3	86	+ 7	69	+ 2	·760	+·017	7·5	+2·3	8	5·8	+2·2	4·95	4·13	+0·82	11·22	10·33	+0·89	1·17	Madura.
9	2	0	0	0	0	0	8	12	N 57° W		4·1			65		71	0	·786	+·032	5·3	−1·8	11	9·6	+1·4	7·34	6·77	+0·57	15·68	14·17	+1·49	2·20	Pudukkottai.
0	0	0	0	0	0	13	18	0	S 72° W	S 72° W	5·9	4·5	+1·4	92	+ 9	78	+ 7	·869	+·071	4·0	−1·3	5	5·4	−0·4	2·40	3·68	−1·28	6·87	8·81	−1·94	1·80	Negapatam.
0	0	0	0	0	0	10	18	2	S 80° W	S 85° W	6·0	5·8	+0·2	89	+ 1	66	− 2	·738	+·001	4·7	−1·3	2	5·5	−3·5	1·61	4·28	−2·67	9·38	10·27	−0·89	0·74	Trichinopoly.
4	0	0	0	2	6	18	1	0	S 31° W	S 36° W	6·0	4·7	+1·3	76	− 3	82	− 2	·731	−·012	3·9	−1·6	2	3·2	−1·2	0·65	1·22	−0·57	8·92	6·63	+2·29	0·23	Coimbatore.
3	1	0	0	0	4	10	10	3	S 67° W	S 37° W	4·1	2·9	+1·2	69	− 3	79	− 1	·785	+·006	6·3	−0·2	8	11·0	−3·0	3·23	7·25	−1·02	20·45	19·15	+1·30	2·28	Salem.
5	0	0	0	1	0	25	0	0	S 42° W	S 73° W	4·9	1·7	+3·2	79	+ 7	72	− 6?	·807	−·056?	5·2	−0·8	7	7·8	−0·8	7·17	4·84	+2·33	9·63	10·57	−0·94	2·70	Cuddalore.
3	0	0	0	0	0	1	27	0	S 89° W		2·9			89		75	+ 4?	·807	+·067?	4·1	−1·3	3	8·3	−5·3	2·58	7·77	−5·19	18·27	18·49	−0·22	1·86	Vellore.
1	0	0	0	0	4	13	12	1	S 60° W	S 66° W	4·8	5·0	−0·2	79	0	73	− 3	·816	+·010	5·1	−1·7	4	8·2	−4·2	1·20	4·94	−3·74	11·67	12·01	−0·34	0·37	Madras.
0	1	0	0	0	0	2	21	7	N 81° W	N 82° W				89	+ 6	82	− 9	·724	−·042	5·7	−1·9	4	8·5	−4·5	1·06	6·31	−5·25	11·64	14·25	−3·21	0·37	Cuddapah.

* Mean of 30 days.

Table

(2) Abstract of observations taken at 8 hrs. at 216

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 during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	III.—Bengal—*concld.*																						
	Mymensingh	63	29·590	—·029	29·605	29·695	20th	29·426	1st	·259	81·8	88·4	+1·3	79·5	+1·3	84·0	+1·3	8·9	92·9	2nd	75·3	12th	16·6
	Bogra	75	29·557	—·036	29·584	29·656	15th & 20th	29·374	10th	·282	82·5	89·4	+0·9	79·2	+0·7	84·3	+0·8	10·2	93·7	14th	76·2	14th	17·5
	Dinajpur	123	29·487	—·047	29·564	29·600	15th	29·328	10th	·272	82·4	89·3	+0·4	79·3	+0·8	84·3	+0·6	10·0	94·3	2nd	75·5	29th	18·8
	Jalpaiguri	283	29·366	—·025	29·604P	29·461	15th	29·209	10th	·252	80·8	88·2	—0·2	78·1	+1·0	83·1	+0·4	10·1	94·7	2nd	76·2	31st	18·5
	Saugor Island	10	29·610	—·016	29·565	29·736	12th	29·386	3rd	·350	83·7	88·2	+0·7	79·8	—0·1	84·0	+0·3	8·4	92·0	15th	75·4	31st	16·6
	Midnapore	149	29·467	—·020	29·563	29·581	12th	29·273	2nd	·311	83·4	90·3	+0·7	79·7	+1·4	85·0	+1·1	10·6	94·4	8th, 13th & 14th	76·7	31st	17·7
	Calcutta	21	29·597	—·025	29·565	29·708	12th	29·394	3rd	·314	82·8	89·9	+2·3	80·0	+1·6	84·9	+1·9	9·9	93·5	14th	77·2	20th & 31st	16·3
	Jessore	30	29·607	—·018	29·584	29·709	20th	29·446	2nd	·263	83·7	89·3	+0·7	79·5	+0·8	84·4	+0·7	9·8	93·3	28th	76·9	31st	16·4
	Burdwan	99	29·519	—·025	29·565	29·640	12th	29·341	3rd	·299	82·4	90·0	+0·6	79·6	+0·5	84·8	+0·5	10·4	95·0	14th	77·0	31st	18·0
	Berhampore	67	29·551	—·028	29·567	29·649	15th	29·409	2nd	·240	82·5	89·5	+0·8	79·7	+1·0	84·6	+0·9	9·8	93·1	7th	77·2	14th, 15th & 19th	15·9
	IV.—Bihar and Orissa.																						
	Balasore	50	29·567	—·022	29·562	29·695	12th	29·336	3rd	·359	82·6	90·1	+1·8	79·2	+0·9	84·7	+1·3	10·9	94·1	14th	74·9	15th	19·2
	Hukitala (False Point).	29	29·595	—·026	29·565	29·725	31st	29·350	2nd	·385													
	Cuttack	80	29·552	—·013	29·572	29·693	12th	29·289	3rd	·404	83·3	91·1	+1·8	79·9	+1·6	85·5	+1·7	11·2	94·5	17th	78·0	21st	16·5
	Puri	24	29·616	—·017	29·581	29·761	12th	29·381	3rd	·380	84·0	89·3	+1·5	81·7	+2·3	85·5	+1·9	7·6	96·5	26th	77·3	31st	19·2
	Angul	455	29·163*	—·037*	29·561*	29·292	31st	28·912	3rd	·380	82·4	89·8	+2·7	78·2	+1·4	84·0	+2·1	11·6	94·1	17th	75·8	4th	18·3
	Sambalpur	466	29·145	—·019	29·578	29·297	12th	28·899	3rd	·398	83·0	88·5	+1·4	77·9	+0·7	83·2	+1·1	10·6	93·3	7th	74·8	31st	18·5
7	Chaibasa	*733*	28·865	—·024	29·544	28·989	12th	28·661	3rd	·328	80·8	90·1	+1·4	78·1	+1·5	84·1	+1·5	12·0	94·9	14th	75·8	20th & 23rd	19·1
	Ranchi	2,128	27·520	—·002	29·548	27·640	12th	27·343	4th	·297	76·9	84·6	+1·1	74·0	+1·1	79·3	+1·1	10·6	89·2	18th	71·5	31st	17·7
	Purulia	*816*	28·794†	—·018†	29·555†	28·918	15th	28·637	3rd	·281	81·5	91·6	+2·5	77·4	+0·9	84·5	+1·7	14·2	97·7	2nd	74·1	18th	23·6
	Daltonganj	*730*	28·872	—·014	29·547	28·993	15th	28·690	4th	·300	80·6‡	90·6‡	+1·2‡	78·2‡	+1·2‡	84·4‡	+1·2‡	12·4	94·4	2nd	76·4	8th & 31st	18·0
8	Purnea	124	29·431	—·034	29·569	29·615	15th	29·331	9th	·284	82·6	88·9	—0·1	79·4	+0·9	84·1	+0·4	9·5	93·7	2nd	76·8	4 days	16·9
	Monghyr	155	29·433		29·530	29·578	15th	29·280	9th	·298	84·0	89·7		79·3		84·5		10·4	94·4	2nd	74·9	15th	19·5
	Darbhanga	165	29·428	—·042	29·546	29·546	15th	29·250	9th	·296	82·7	88·9	+0·2	79·6	+0·3	84·3	+0·3	9·3	94·1	2nd	74·2	16th	19·2
	Pusa	188	29·407		29·548	29·535	15th	29·241	9th	·294	82·9	89·9		77·8		83·9		12·1	94·6	8th	73·1	15th	21·5
	Patna	183	29·393	—·047	29·529	29·527	15th	29·250	4th	·277	83·7	89·1	—0·1	79·9	+0·4	84·5	+0·1	9·2	92·7	3rd	77·7	15th	15·0
	Buxar	239	29·339	—·035	29·532	29·454	15th	29·185	4th	·269	82·2	88·9	0	79·2	+0·8	84·1	+0·4	9·7	95·5	2nd	75·4	25th	20·1
	Gaya	372	29·222	—·019	29·542	29·342	15th	29·070	4th	·272	83·5	91·7	+1·5	80·4	+2·0	86·2	+1·7	11·3	95·9	5th	78·0	22nd	17·9
	Naya Dumka	489	29·116	—·028	29·554	29·235	15th	28·981	9th	·254	81·8	90·4	+2·0	78·7	+1·3	84·6	+1·7	11·7	94·8	8th	75·4	20th	19·4
	V.—United Provinces of Agra and Oudh.																						
9	Gorakhpur	267	29·327	—·035	29·541	29·431	20th	29·211	4th	·220	82·1	89·4	—0·2	79·2	+0·6	84·3	+0·2	10·2	94·1	2nd	76·3	15th & 24th	17·8
	Benares	267	29·318	—·025	29·537	29·441	16th	29·164	4th	·277	83·1	89·6	0	79·1	+0·5	84·3	+0·3	10·5	94·8	2nd	76·7	10th	18·1
	Allahabad	305	29·265	—·033	29·528	29·333	16th	29·112	4th	·281	82·2	89·5	—0·4	78·4	—0·2	84·0	—0·3	11·1	93·8	4th	74·5	19th	19·3
	Cawnpore	416	29·167	—·021	29·537	29·264	16th	29·047	5th	·237	82·4	90·2	+0·8	79·3	+0·7	84·7	+0·7	10·9	96·4	19th	75·5	23rd	20·9

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

* Mean of 30 days.
† " " 25 "
‡ " " 18 "

B—*continued.*

stations in India, etc., in August, 1915—*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, 1915.	Normal rainfall for period, 1st May to 31st August.	Departure from normal of period, 1st May to 31st August, 1915.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																III.—Bengal —*concld.*
18	0	0	4	7	2	0	0	0	S 45° E	S 55° E	2·4	2·6	−0·2	40	−28	92	+ 2	·996	+·038	8·8	+0·7	21	19·5	+ 1·5	19·74	15·24	+ 4·50	88·96	63·69	+25·27	3·32	Mymensingh.
11	1	3	7	0	6	3	0	0	S 42° E	S 55° E	1·3	2·6	−1·3	27	−44	90	+ 2	1·010	+·049	8·2	+0·9	21	16·4	+ 4·6	20·74	12·26	+ 8·48	66·06	46·66	+19·40	4·12	Bogra.
1	1	3	9	5	6	4	2	0	S 47° E	S 68° E	3·1	2·8	+0·3	46	−22	90	0	·936	+·028	5·8	−2·2	16	15·6	+ 0·4	14·13	13·33	+ 0·80	52·76	49·42	+ 3·34	3·21	Dinajpur.
31	0	0	0	0	0	0	0	0	Calm	N 78° E	1·2			(a)		93	+ 1	·977	+·029	5·5	−0·2	19	20·0	− 1·0	23·73	25·74	+ 2·99	76·94	92·40	−15·46	4·20	Jalpaiguri.
1	2	1	3	1	8	11	4	0	S 38° W		10·3			49	+ 2	90	+ 1	1·039	+·045	7·8	−0·9	15	16·8	−1·8	13·41	14·49	− 1·08	38·82	44·82	− 6·00	3·19	Saugor Island.
6	1	3	1	4	9	7	0	0	S 4° E		2·8			45		84	− 3	·962	+·013	8·8	+1·5	12	16·6	− 4·6	10·07	12·56	− 2·49	31·02	40·13	− 9·11	3·55	Midnapore.
2	0	3	4	5	4	12	0	1	S 2° E	S 18°	3·6	3·4	+0·2	43	− 4	88	− 1	·988	+·016	8·5	+0·1	17	18·3	− 1·3	15·91	12·16	+ 3·75	42·72	42·22	+ 0·50	3·84	Calcutta.
18	0	1	0	8	3	0	1	0	S 34° E	S 25° E	3·4	2·7	+0·7	33	−17	85	− 5	·989	−·005	7·9	−0·2	14	17·1	− 3·1	15·30	10·88	+ 4·42	45·11	43·64	+ 1·47	3·94	Jessore.
14	0	3	2	5	2	3	2	0	S 33° E	S 32° E	1·8	2·5	−0·7	20	−12	88	0	·973	+·014	8·9	+0·4	10	16·0	− 6·0	5·08	11·53	− 6·45	36·21	40·39	− 4·18	1·44	Burdwan.
3	1	2	6	8	5	5	1	0	S 34° E	S 79° E	3·4	2·9	+0·5	53	+13	89	− 2	·986	0	8·6	−0·1	14	16·5	− 2·5	10·13	11·74	− 1·61	44·88	37·11	+ 7·77	1·60	Berhampore.
																																IV.—Bihar and Orissa.
7	0	4	2	0	3	15	0	0	S 28° W	S 41° W	2·0	3·1	−1·1	43	+ 3	88	+ 1	·983	+·031	6·8	+0·9	16	14·4	+ 1·6	13·25	11·22	+ 2·03	28·44	36·73	− 8·29	3·22	Balasore.
3	2	2	0	1	7	11	2	3	S 40° W		10·8			46	−15					6·9	−1·4	9	15·5	− 6·5	4·60	13·13	− 8·53	20·36	37·70	−17·34	1·78	Hukitola (False Point)
12	0	1	0	0	1	10	7	0	S 61° W	S 66° W	1·8	2·0	−0·2	46	− 1	83	0	·956	+·050	7·0	−0·3	15	16·1	− 1·1	14·83	14·06	+ 0·77	37·72	39·53	− 1·81	7·97	Cuttack
3	2	2	0	0	4	14	3	3	S 60° W		12·1			52		85	− 1	·991	+·025	7·6	+0·7	11	13·1	− 2·1	6·62	12·09	− 5·47	17·92	31·35	−13·43	1·77	Puri.
7	1	4	0	0	2	5	6	6	N 75° W		3·7			36		81	− 5	·893	+·005	7·1	+1·5	12	14·2	− 2·2	7·01	12·67	− 5·66	23·80	32·20	− 8·40	1·45	Angul.
0	1	3	0	0	1	15	7	4	S 73° W	S 30° W	3·5	3·2	+0·3	62	+ 2	86	+ 1	·904	+·021	9·1	+1·1	12	19·1	− 7·1	11·38	18·60	− 7·22	22·50	51·64	−29·14	1·95	Sambalpur.
12	0	1	4	0	2	12	0	0	S 21° W	S 54° W	3·1	1·3	+1·8	37	+ 4	85	− 1	·895	+·023	7·8	+0·7	14	16·9	− 2·9	7·49	11·81	− 4·32	19·53	35·85	−16·32	1·35	Chaibasa.
4	0	2	3	4	4	6	6	2	S 28° W	S 56° W	3·2*	5·3	−2·1	30	+16	87	− 2	·810	+·016	7·9	−0·4	16	18·9	− 2·9	7·26	12·88	− 5·62	33·77	39·53	− 5·76	0·98	Ranchi.
7	0	4	3	2	4	5	4	2	S 22° W		2·1			19		84	− 6	·898	−·015	6·7	+0·3	10	17·7	− 7·7	9·35	11·25	− 1·90	28·49	33·69	− 5·20	3·56	Purulia
11	2	3	2	2	5	4	2	0	S 11° E		3·7			16		82†		·863†		4·7	−0·9	13	16·8	− 3·8	8·72	12·27	− 3·55	19·28	29·71	−10·43	3·23	Daltonganj.
3	1	2	14	4	1	1	5	0	S 81° E	S 89° E	2·5	2·2	+0·3	43	−11	91	0	1·012	+·028	8·4	+1·1	15	16·3	− 1·3	20·86	13·60	+ 7·26	51·12	43·28	+ 7·84	3·25	Purnea
1	2	1	9	8	4	2	2	2	S 58° E		5·1			42		99		1·116		7·4		17			17·85			37·98			4·32	Monghyr.
4	0	2	14	2	0	4	2	3	S 86° E	S 74° E	4·1	3·2	+0·9	33	−31	88	− 1	·888	+·012	7·6	+0·5	18	14·5	+ 3·5	29·49	13·38	+16·11	53·13	36·32	+16·81	6·29	Darbhanga.
1	2	2	16	3	0	3	3	1	S 89° E		3·2			46		89		1·000		7·5		21			21·97			44·34			4·16	Pusa.
9	0	0	16	1	1	2	1	1	S 80° E	S 78° E	3·6	3·2	+0·4	46	− 8	87	0	1·005	+·026	9·3	+0·8	11	13·8	− 2·8	12·94	12·88	+ 0·06	40·08	34·62	+ 5·46	2·78	Patna.
0	1	5	10	4	2	4	5	0	S 72° E		3·7			29		88	0	·968	+·015	7·9	+0·6	12	14·0	− 1·0	14·31	11·90	+ 2·41	23·27	29·06	− 5·79	2·28	Buxar
8	0	3	2	0	4	6	2	0	S 19° W§	S 52° E		2·7		20	+ 1	86‡		1·095‡		6·7	−0·1	11	15·0	− 4·0	6·43	12·88	− 6·45	28·20	33·96	− 5·76	1·32	Gaya.
22	0	1	1	4	1	1	0	1	S 45° E		2·4			13		88	0	·946	+·011	4·3	−2·6	16	18·1	− 2·1	13·22	12·95	+ 0·27	38·77	39·32	− 0·55	2·72	Naya Dumka.
																																V.—United Provinces of Agra and Oudh.
1	0	8	16	0	1	3	2	0	N 82° E	S 88° E	3·6	1·6	+2·0	56	+22	91	+ 3	·997	+·038	4·7	−1·8	23	14·9	+ 8·1	20·44	13·86	+ 6·58	32·15	36·63	− 4·48	2·43	Gorakhpur.
3	2	1	5	5	2	2	5	1	S 32° E	S 54° E	2·4	3·0	−0·6	13	+ 2	87	0	·976	+·018	8·3	+0·3	21	14·7	+ 6·3	12·29	11·51	+ 0·78	29·90	28·21	+ 1·69	1·66	Benares.
10	0	3	3	0	3	4	7	1	S 61° W	N 79° W	2·9	4·8	−1·9	20	+16	84	− 2	·929	−·016	9·5	+1·0	14	14·0	0	11·83	12·03	− 0·20	28·05	28·97	− 0·92	3·81	Allahabad.
9	1	3	3	4	3	5	3	0	S 12° E	S 2° W	2·3	2·9	−0·6	20	+18	87	− 4	·858	+·010	4·2	−2·2P	15	13·3	+ 1·7	22·03	11·81	+10·22	34·63	26·22	+ 8·41	9·26	Cawnpore.

(*a*) Indeterminate.

* Mean of 29 days.
† " 18 "
‡ " 8 "

§ 6 Winds less.

Table

(2) Abstract of observations taken at 8 hrs. at 216

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 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
	V.—United Provinces of Agra and Oudh—*concld.*																						
	Lucknow	368	29·209	—·027	29·532	29·236	16th	29·089	4th	·247	83·3	90·1	—0·3	79·0	+0·5	84·6	+0·1	11·1	95·4	19th	74·4	20th	21·0
	Bahraich	407	29·165	—·037	29·530	29·282	17th & 20th.	29·053	9th	·229	81·6	88·5	—1·6	78·3	0	83·4	—0·8	10·2	94·4	7th	75·1	12th & 13th.	19·3
10	Jhansi	824	28·785	—·020	29·560	28·907	20th	28·642	5th	·265	80·8	89·9	+0·9	77·2	—0·2	83·6	+0·3	12·7	99·0	20th	75·9	24th	25·1
	Agra	556	29·032	—·019	29·539	29·126	17th	28·923	1st	·205	85·6	94·9	+3·5	80·5	+1·3	87·7	+2·4	14·4	103·2	20th	75·9	25th	27·3
	Mainpuri	516	29·055	—·030	29·525	29·161	20th	28·940	4th	·221	82·8	91·8	+0·5	79·0	+0·4	85·4	+0·5	12·8	100·3	20th	74·9	26th	25·4
	Bareilly	568	29·009	—·027	29·534	29·117	20th	28·887	9th	·230	82·4	88·7	—1·2	77·8	—0·2	83·2	—0·7	10·9	94·5	15th	70·8	16th	23·7
	Roorkee	899	28·636	—·024	29·540	28·817	20th	28·562	10th	·255	81·6	89·9	—0·1	77·4	+0·4	83·7	+0·1	12·5	93·2	8th & 20th.	72·6	16th	20·6
	VI.—Punjab.																						
11	Delhi	718	28·861	—·022	29·532	28·975	20th	28·727	8th	·248	85·6	97·6	+5·8	81·9	+2·3	89·8	+4·1	15·7	103·0	20th	78·7	6th	24·3
	Hissar	725	28·839	—·019	29·512	28·957	20th	28·696	8th	·261	88·0	102·5	+4·4	82·5	+2·0	92·5	+3·2	20·0	106·7	31st	78·5	3rd	28·2
	Patiala *	*818*	28·748	—·029	29·520	28·873	23rd	28·599	8th	·274	84·3	96·7	+4·7	80·6	+2·1	88·6	+3·4	16·1	100·9	20th	76·2	30th	24·7
	Ambala	892	28·675	—·026	29·523	28·791	20th	28·554	10th	·237	83·2	96·1	+4·1	79·1	+1·4	87·6	+2·7	17·0	101·1	20th	72·3	30th	28·8
	Ludhiana	812	28·753	—·024	29·518	28·881	20th	28·584	8th	·297	85·1	99·5	+5·2	81·6	+2·5	90·5	+3·9	17·9	103·3	29th	76·0	2nd	27·3
	Lahore	702	28·828	—·041	29·484	28·964	20th	28·651	9th	·313	88·3	103·2	+5·1	83·9	+5·0	93·5	+5·2	19·3	109·2	9th	77·8	19th	31·4
	Sialkot	830	28·707	—·046	29·495	28·831	20th	28·523	8th	·308	84·3	98·5	+4·1	80·3	+2·0	89·2	+3·1	18·2	104·3	1st	74·4	30th	29·9
	Rawalpindi	1,674	27·886	—·049	29·483	28·015	20th	27·707	8th	·308	83·6	96·0	+2·3	77·0	+1·6	86·5	+1·9	19·0	106·1	1st	69·5	17th & 26th.	36·6
12	Khushab	612	28·908	—·047	29·477	29·055	20th	28·707	9th	·348	89·3	101·5	+3·6	84·4	+3·0	94·5	+3·4	20·1	111·8	9th	71·1	19th	40·7
	Lyallpur	605	28·908		29·468	29·058	20th	28·731	9th	·327	89·2	103·9		83·5		93·7		20·4	109·3	9th	77·6	19th	31·7
	Montgomery	568	28·972	—·032	29·487	29·110	20th	28·787	9th	·323	88·7	102·6	+0·8	83·6	+1·5	93·1	+1·1	19·0	106·9	1st	74·3	3rd	32·6
	Multan	426	29·078	—·046	29·459	29·226	20th	28·904	9th	·322	88·6	104·1	+2·9	84·3	+1·7	94·2	+2·3	19·8	110·6	6th	79·6	3rd	31·0
	VII.—North-West Frontier Province.																						
14	Peshawar	1,113	28·411	—·066	29·467	28·540	20th	28·210	9th	·330	87·5	106·4	+7·2	81·3	+5·3	93·8	+5·3	25·1	118·4	9th	76·7	20th	41·7
	D. I. Khan	590	28·900	—·076	29·447?	29·049	20th	28·704	9th	·345	88·9	104·1	+3·2	84·8	+3·6	91·5	+3·4	19·3	108·7	6th & 9th	80·3	3rd	28·4
	VIII.—Sind.																						
16	Jacobabad	186	29·334	—·027	29·476	29·486	20th	29·143	9th	·343	86·7	107·1	+2·5	83·3	+1·4	95·2	+1·9	23·8	114·1	6th & 12th.	79·8	31st	34·3
	Hyderabad	96	29·460	—·026	29·568	29·011	20th	29·274	9th	·337	83·2	95·7	+0·8	79·9	+0·9	88·3	+0·9	16·8	103·6	5th	76·9	29th	26·7
	Karachi	13	29·612	—·009	29·576	29·733	20th	29·412	1st	·321	80·9	86·0	+0·5	79·1	+1·4	82·5	+0·9	6·9	83·3	2nd	76·9	27th	12·4
	IX.—Rajputana.																						
17	Bikaner	*771*	28·812	—·010	29·531	28·944	20th	28·644	9th	·300	86·4	101·9	+1·4	81·9	+0·9	91·9	+2·7	20·0	105·0	1st	78·9	4 days	26·1
	Jodhpur	780	28·847	—·005	29·577	28·965	20th	28·684	1st	·281	82·9	97·1	+3·8	79·7	+1·7	88·4	+2·7	17·4	102·5	5th	77·3	6th	26·2
18	Jaipur	1,431	28·178	—·039	29·543	28·277	20th	28·044	1st	·233	81·5	93·5	+2·1	77·1	+0·7	85·3	+1·4	16·4	100·2	21st	74·4	16th	25·8
	Ajmer	1,611	28·042	—·006	29·578	28·147	20th	27·902	1st	·245	80·5	93·3	+5·3	79·0	+3·1	86·2	+4·2	14·3	98·0	23rd	75·2	6th	22·8
	Kotah	852	28·794	0	29·572	28·900	20th	28·666	1st	·234	83·9	92·3	+1·8	79·4	+0·5	85·9	+1·1	12·9	99·6	21st	76·0	6th	23·6

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

* Mean of 30 days.

B—*continued.*

stations in India, etc., in August, 1915—*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 1915.	Normal rainfall for period, 1st May to 31st August.	Departure from normal of period, 1st May to 31st August, 1915.	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
																																V.—United Provinces of Agra and Oudh—*concld.*
11	0	2	10	4	0	4	0	0	S 70° E	S 88° E	1·7	2·1	−0·4	40	+14	86	−1	·993	+·042	7·5	+0·1	17	13·2	+3·8	21·15	11·27	+9·83	35·48	28·65	+ 6·83	5·20	Lucknow.
24	0	0	6	0	0	0	1	0	E	S 70° E	0·3	2·0	−1·7	16	−32	88	+ 1	·945	−·013	4·1	−1·5	21	13·6	+7·4	19·54	14·29	+5·25	39·88	32·91	+ 6·97	3·49	Bahraich.
1	2	2	0	0	2	8	14	2	S 82° W	S 85° W	4·3	2·8	+1·5	66	+30	80	− 3	·839	−·011	7·8	+2·8	14	13·9	+0·1	9·75	11·63	−1·88	17·89	28·76	−10·87	1·73	Jhansi.
8	1	3	3	1	2	8	5	0	S 43° W	S 40° W	3·7	3·6	+0·1	27	− 2	73	− 8	·880	−·029	6·4	−0·2	10	10·2	−0·2	6·21	8·26	−2·05	13·63	20·82	− 7·19	1.36	Agra.
7	2	5	6	2	1	1	6	1	N 48° E	S 13° W	1·5	1·2	+0·3	13	+ 7	86	+ 2	·954	+·019	5·4	−1·4	13	10·8	+2·2	15·13	9·05	+6·08	19·77	19·48	+ 0·29	1·15	Mainpuri.
13	0	0	6	6	1	4	1	0	S 39° E	S 71° E	0·7	1·9	−1·2	33	+11	86	− 2	·951	+·015	9·2	+2·2	12	12·8	−0·8	17·04	13·20	+3·84	40·00	33·34	+ 6·66	4·03	Bareilly.
20	0	2	1	7	0	0	0	1	S 66° E	S 36° E	1·7	1·8	−0·1	23	− 9	84	− 1	·905	+·021	5·7	−0·8	9	12·4	−3·4	8·92	12·63	−3·71	21·51	30·92	− 9·41	1·80	Roorkee.
																																VI.—Punjab.
4	1	1	3	8	1	1	7	5	S 42° W	S 27° W	4·5	2·8	+1·7	10	− 8	69	−10	·810	−·035	4·5	−2·1	2	9·8	−7·8	3·25	7·88	−4·63	7·38	19·67	−12·29	1·90	Delhi.
3	0	0	1	1	3	7	14	2	S 69° W		6·0			66	+26	57	−14	·714	−·114	3·5	−0·3	3	5·4	−2·4	1·89	3·62	−1·73	4·51	9·79	− 5·28	1·05	Hissar.
1	1	0	8	11	2	3	3	1	S 45° E		3·8*			47		75	− 8	·885	−·052	4·1	−1·6	6	9·0	−3·0	3·63	7·38	−3·75	6·05	16·64	−10·59	1·90	Patiala.
6	0	1	10	11	0	0	3	0	S 65° E	S 51° E	2·7	0·9	+1·8	53	+29	78	− 9	·884	−·049	4·8	−1·1	7	9·1	−2·1	5·00	7·90	−2·90	11·57	20·06	− 8·49	2·41	Ambala.
20	1	1	0	4	1	2	2	0	S 1° E	S 29° E	1·7	1·3	+0·4	11	−28	71	− 9	·842	−·051	1·9	−3·7	4	8·2	−4·2	1·50	7·61	−6·01	4·48	19·11	−14·63	0·66	Ludhiana.
7	0	1	4	7	3	3	5	1	S 12° E	S 41° E	2·2	2·0	+0·2	30	−10	66	− 9	·873	−·032	2·0	−1·8	2	5·9	−3·9	0·55	5·30	−4·75	2·54	13·30	−10·76	0·38	Lahore.
3	3	5	15	5	0	0	0	0	N 82° E	N 33° E	3·0	1·8	+1·2	72	+25	78	− 1	·911	+·015	3·1	−1·0	6	9·4	−3·4	2·11	9·38	−7·27	5·70	20·91	−15·21	0·59	Sialkot.
9	2	4	5	9	1	0	0	1	S 82° E	S 82° E	2·2	1·2	+1·0	43	+14	76	− 2	·873	+·041	3·8	−0·8	11	9·3	+1·7	9·38	8·82	+0·56	13·07	20·40	− 7·33	2·15	Rawalpindi.
5	0	8	11	3	3	1	0	0	S 89° E	N 68° E	6·3	4·5	+1·8	58	+ 1	59	−10	·814	−·055	0·9	−1·6	1	3·2	−2·2	0·48	3·03	−2·55	2·37	8·99	− 6·12	0·48	Khushab.
0	0	3	1	4	0	23	1	1	S 36° W		3·8			62		57		·782		1·1		1	3·0	−2·0	0·48	2·37	−1·89	1·94	7·94	− 6·02	0·43	Lyallpur.
2	1	0	0	3	8	16	1	0	S 27° W	S 12° W	6·6	6·0	+0·6	72	+13	55	− 7	·742	−·075	0·3	−1·7	2	3·8	−1·8	4·52	3·24	+1·28	5·09	6·86	− 1·83	2·62	Montgomery.
5	0	0	0	2	18	6	0	0	S 7° W	S 14° E	1·4	2·1	−0·7	79	+36	67	− 1	·907	+·040	0·3	−1·6	1	2·3	−1·8	0·12	1·74	−1·62	0·65	4·63	− 4·01	0·12	Multan.
																																VII.—North-West Frontier Province.
14	13	0	0	0	1	0	0	4	N 10° W	N 10° W	1·4	2·6	−1·2	53	+10	65	− 5	·844	+·019	2·1	−1·2	0	2·3	−2·3	0	2·08	−2·08	1·29	4·75	− 3·55	0	Peshawar.
10	2	5	2	9	2	1	0	0	S 73° E	N 72° E	1·8	1·5	+0·3	57	+ 1	67	− 8	·907	−·025	0·5	−1·6	0	2·4	−2·4	0	2·10	−2·10	2·11	5·16	− 3·35	0	D. I. Khan.
																																VIII.—Sind.
0	0	0	0	22	9	0	0	0	S 32° E	S 41° E	3·9	3·1	+0·8	94	+22	78	+ 6	·996	+·083	1·9	−0·3	0	1·6	−1·6	0	1·01	−1·01	0·06	2·32	− 2·26	0	Jacobabad.
1	0	0	0	0	1	18	0	0	S 24° W	S 43° W	11·9	11·9	0	92	+ 6	70	0	·783	−·002	4·7	+0·2	0	2·4	−2·4	0	2·14	−2·14	0·39	5·76	− 5·37	0	Hyderabad.
0	0	0	0	0	0	12	19	0	S 73° W	S 76° W	14·1	12·0	+2·1	92	+ 6	84	− 1	·883	+·021	8·8	+1·3	0	1·9	−1·9	0·12	1·59	−1·47	0·25	5·75	− 5·50	0·04	Karachi.
																																IX.—Rajputana.
0	0	0	0	0	7	14	9	1	S 53° W	S 36° W	7·5	5·6	+1·9	79	− 1	56	−13	·708	−·127	1·5	−2·7	2	5·0	−3·0	0·88	3·57	−2·69	2·65	8·94	− 6·29	0·74	Bikaner.
0	0	0	0	0	1	6	4	0	S 49° W		6·9			95		60	−16	·679	−·122	5·5	−1·8	1	5·7	−4·7	0·69	4·31	−3·62	1·90	10·00	− 8·10	0·63	Jodhpur.
2	3	1	0	0	0	5	12	8	N 74° W	N 88° W	4·4	3·4	+1·0	69	+12	73	− 6	·780	−·038	6·4	−0·6	11	10·7	+0·3	4·32	8·31	−3·99	8·25	18·76	−10·51	0·96	Jaipur.
2	0	0	0	0	0	19	16	3	S 79° W	S 85° W	5·7	5·0	+0·7	82	0	63	−15	·706	−·112	5·2	−1·3	4	5·8	−1·8	6·70	7·05	−0·35	7·85	16·81	− 8·96	4·37	Ajmer.
0	0	0	0	0	0	12	12	7	S 82° W		3·0			8[illegible]		68	− 6	·783	−·032	6·0	+0·2	12	10·2	+1·8	8·20	8·20	0	13·54	21·48	− 7·94	1·56	Kotah.

* Mean of 29 days.

Table

(2) Abstract of observations taken at 8 hrs. at 216

Number of sub-division.	Station.	Elevation of barometer above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	X.—Bombay.																						
19	Deesa	466	29·220	+·010	29·637	29·312	20th	29·054	1st	·253	82·5	95·5	+6·4	77·9	+2·1	83·7	+4·3	17·6	99·8	29th	76·0	17th & 18th.	23·8
	Bhuj	334	29·334	—·001	29·617	29·438	20th	29·146	1st	·292	81·3	89·4	+0·8	77·4	+1·1	83·5	+0·9	12·0	93·8	24th	74·6	25th	19·2
	Jamnagar	61	29·625	—·006	29·633	29·718	20th	29·442	1st	·276	82·9	89·7	+1·6	77·6	+0·9	83·6	+1·3	12·1	92·5	10th	73·3	29th	19·2
	Dwarka	37	29·660	—·005	29·643	29·757	20th	29·463	1st	·294	80·9	85·6	+1·1	79·5	+1·4	82·5	+1·3	6·1	87·9	24th	77·4	28th	10·5
	Rajkot	429	29·272	—·003	29·649	29·349	20th	29·102	1st	·247	81·0	91·8	+3·0	76·0	+1·5	83·9	+2·3	15·8	95·2	23rd	72·0	29th	23·2
	Veraval	*18*	29·711	—·007	29·672	29·791	13th	29·535	1st	·256	80·2	82·5	+0·1	79·0	+1·2	80·8	+0·7	3·5	84·4	24th	76·7	21st	7·7
	Bhavnagar Para	55	29·670	+·001	29·671	29·759	20th	29·490	1st	·269	82·7	91·2	+2·7	78·1	+1·3	86·1	+2·0	16·1	98·0	28th	75·8	28th	22·2
	Surat	39	29·705	+·003	29·687	29·786	13th	29·538	1st	·248	81·7	87·1	+0·4	78·0	+1·3	82·5	+0·9	9·1	90·3	26th & 29th.	75·9	5th	14·4
	Ahmadabad	165	29·555	+·014	29·635	29·643	20th	29·377	1st	·266	81·5	93·6	+3·9	77·9	+0·8	85·8	+2·3	15·7	99·9	25th	76·0	8th	23·9
20	Bombay	37	29·753	+·003	29·736	29·852	12th & 13th.	29·618	1st	·234	80·6	85·0	+0·8	78·2	+1·1	81·6	+0·9	6·8	87·1	20th	75·4	2nd, 25th & 26th.	11·7
	Ratnagiri	207	29·614	—·004	29·762	29·702	12th	29·508	1st	·194	79·7	84·0	+0·3	76·3	+0·9	80·2	+0·6	7·7	86·1	19th	73·7	25th	12·4
	Marmagao	*60*	29·785	—·010	29·779	29·857	13th	29·696	1st	·171	79·6	84·3	+0·9	75·9	+0·1	80·1	+0·5	8·4	86·0	22nd	72·9	29th	13·1
	Karwar	44	29·829	+·009	29·808	29·910	12th	29·760	1st	·150	78·2	83·8	+1·4	75·5	+0·8	79·6	+1·1	8·3	86·1	14th	73·0	24th	13·1
26	Malegaon	1,430	28·321	+·011	29·689	28·402	13th	28·183	1st	·219	77·8	87·8	+0·9	72·7	+0·8	80·3	+0·9	15·1	93·4	29th	70·1	16th	23·3
	Ahmadnagar	2,154	27·613	+·005	29·706	27·731	12th	27·525	1st	·206	75·1	84·5	—0·3	68·6	—0·4	76·5	—0·3	15·9	85·9	20th	64·2	18th	25·7
	Poona	1,846	27·952	+·009	29·734	28·030	12th	27·854	4th	·176	73·9	81·7	0	69·9	+0·3	75·8	+0·1	11·8	85·4	2.th	63·3	24th	17·1
	Sholapur	1,590	28·235	+·007	29·727	28·311	12th	28·095	1st	·216	76·3	89·7	+0·9	71·8	+1·0	80·7	+0·9	17·9	95·9	23rd	65·1	14th & 31st.	26·8
	Bijapur	*1,948*	27·865	+·008	29·736	27·951	12th	27·757	1st	·204	74·8	87·4	+0·9	70·1	+0·3	78·7	+0·6	17·3	93·1	22nd	63·0	15th	25·1
	Belgaum	2,562	27·302	+·009	29·781	27·371	31st	27·215	1st	·156	69·9	77·2	+0·9	65·3	0	71·7	+0·5	10·3	85·3	22nd	63·4	14th	21·9
	XI.—Central India.																						
20	Neemuch	1,626	28·055	—·014	29·609	28·144	20th	27·923	4th	·221	77·8	89·0	+3·1	74·4	+1·8	81·2	+2·5	13·6	96·3	2.th	72·0	4th	24·3
	Indore	1,823	27·889	0	29·045	27·976	13th	27·749	4th	·227	75·4	83·3	+0·7	72·4	+1·0	77·8	+0·9	10·9	88·1	29th	71·1	15th & 16th.	17·0
21	Nowgong	754	28·851	—·018	29·537	28·954	17th	28·695	4th	·268	79·7	85·6	—1·3	77·4	+0·4	82·0	—0·5	9·2	91·0	17th	75·0	1st	16·0
	Sutna	1,041	28·548	—·026	29·535	28·685	17th	28·368	4th	·317	79·0	81·9	—1·1	76·0	—0·2	80·5	—0·7	8·9	89·5	4th	73·5	31st	15·8
	XII.—Central Provinces.																						
22	Buldana	2,134	27·622		29·672	27·714	13th	27·494	1st	·220	74·1	82·0	+0·1	70·4	+0·9	76·2	+0·5	11·6	85·9	21st & 23rd.	67·9	14th	18·0
	Akola	925	28·791	—·004	29·765	28·894	13th & 13th.	28·668	1st	·226	77·6	86·0	—1·1	74·1	+0·7	80·1	—0·2	11·9	91·9	21st	71·5	12th	20·4
	Amraoti	1,215	28·496	+·002	29·660	28·607	1.th	28·362	4th	·245	78·4	84·7	—1·5	75·5	+0·8	79·1	—0·3	11·2	90·8	16th	70·9	1.th	19·9
23	Khandwa	1,044	28·664	+·003	29·665	28·765	13th	28·525	4th	·240	76·5	84·9	—0·8	74·8	+0·6	79·9	—0·1	10·1	90·8	20th	72·9	4th	17·9
	Hoshangabad	1,006	28·677	0	29·670	28·789	13th	28·501	4th	·288	77·2	84·3	—0·3	71·1	+0·1	79·2	—0·5	10·2	97·5	23rd	71·2	14th	26·3
	Saugor	1,867	27·815	—·019	29·552	27·912	17th	27·655	4th	·287	75·3	83·5	—0·1	72·8	—0·1	78·1	—0·1	10·7	90·6	19th	70·3	31st	20·3
	Jubbulpore	1,327	28·308	—·014	29·547	28·423	15th	28·087	4th	·336	76·7	83·9	—0·8	74·9	+1·0	79·4	+0·1	9·0	90·9	19th	72·3	31st	18·6
	Seoni	2,033	27·660	+·005	29·613	27·771	12th	27·469	4th	·302	75·2	80·8	—2·3	71·0	—0·7	75·9	—1·5	9·8	85·0	16th	68·6	15th	17·4
	Nagpur	1,037	28·672	+·005	29·633	28·787	13th	28·517	4th	·270	78·2	85·2	—0·7	74·9	+0·3	80·5	—0·2	11·3	92·4	17th	72·4	28th	20·0
24	Pendra	2,040	27·634	—·016	29·557	27·726	13th	27·387	4th	·339	76·8	83·7	+0·4	73·5	+0·9	78·6	+0·7	10·2	85·0	18th	70·0	20th	19·0

N.B. Elevations in italics indicate barometrical determinations.

B—*continued.*

Stations in India, etc., in August, 1915—*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, 1915.	Normal rainfall for period, 1st May to 31st August.	Departure from normal of period, 1st May to 31st August, 1915.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																X.—Bombay.
0	0	0	0	0	2	20	7	2	S 57° W	S 71° W	11·9	8·8	+3·1	89	+14	78	− 6	·861	+·018?	6·9	−1·5	0	9·5	−9·5	0·09	8·01	− 7·92	4·30	19·73	−15·43	0·64	Deesa.
0	0	0	0	0	0	16	15	0	S 67° W	S 76° W	11·7	11·5	+0·2	92	+ 2	75	− 8	·796	−·063	7·5	+0·2	0	4·2	−4·2	0·03	2·95	− 2·92	3·69	11·54	− 7·85	0·02	Bhuj.
0	0	0	0	0	1	25	5	0	S 51° W		16·1			95		88	+ 7?	·992	+·125?	7·5	+2·4	0	7·5	−7·5	0·31	7·01	− 6·70	6·72	16·82	− 10·10	0·09	Jamnagar.
0	0	0	0	0	0	16	15	0	S 67° W		13·7			92		84	− 2	·881	−·021	7·5	−0·5	1	4·9	−3·9	0·17	3·56	− 3·39	7·33	12·65	− 5·32	0·11	Dwarka.
0	0	0	0	0	2	27	2	0	S 45° W	S 77° W	13·6	9·1	+4·5	96	+ 6	79	− 5	·831	−·007	8·8	+1·4	1	7·7	−6·7	0·34	5·91	− 5·57	6·76	21·94	−15·18	0·20	Rajkot
1	1	0	0	0	0	12	15	2	S 76° W	S 77° W	12·4	8·6	+3·8	86	+ 4	88	− 1	·902	+·013	8·8	+0·7	6	6·0	0	1·16	4·08	− 2·92	6·82	15·31	− 8·49	0·18	Veraval.
0	0	0	0	0	0	21	10	0	S 53° W	S 48° W	5·1	8·6	−3·5	93	+ 3	84	+ 4?	·935	+·084?	7·5	0	1	8·4	−7·4	0·20	5·96	− 5·76	7·45	16·08	− 8·63	0·10	Bhavnagar Para.
5	0	0	0	0	6	12	5	3	S 51° W	S 66° W	5·8	7·2	−1·4	62	−18	82	− 3	·880	−·008	8·7	+0·8	6	12·5	−6·5	2·92	7·67	− 4·75	19·71	33·25	−13·54	0·82	Surat.
4	0	0	0	0	0	20	4	3	S 59° W	S 63° W	5·6	3·6	+2·0	76	+ 4	76	− 7	·821	−·034	5·7	−2·7	5	10·8	−5·8	1·42	8·57	− 7·15	9·11	25·23	−16·12	0·50	Ahmadabad.
0	0	0	1	2	0	8	19	1	S 74° W	S 77° W	8·7	11·2	−2·5	79	− 4	85	− 2	·884	+·001	8·3	−0·3	17	19·2	−2·2	8·45	14·19	− 5·74	63·21	58·55	+ 4·66	2·01	Bombay.
0	0	2	1	2	0	10	11	5	S 79° W	S 74° W	7·6	6·9	+0·7	59	− 9	85	− 3	·855	−·017	8·7	+0·5	20	23·6	−3·6	12·90	20·02	− 7·12	69·50	84·70	−15·20	2·25	Ratnagiri.
12	0	0	0	0	2	1	12	4	W	N 56° W	6·2	8·2	−2·0	50	−27	92	+ 1	·933	+·029	8·7	+1·1	21	22·0	−1·0	10·68	15·67	− 4·99	68·08	79·32	−11·24	2·07	Marmagao.
25	1	0	0	0	2	3	0	0	S 34° W	N 81° W	1·8	3·1	−1·3	13	−34	91	+ 4	·873	+·039	7·9	+0·5	19	23·7	−4·7	11·33	22·15	−10·82	75·32	102·46	−27·14	2·52	Karwar.
2	0	0	0	0	0	27	1	1	S 48° W	S 78° W	8·5	9·3	−0·8	89	+ 3	75	− 2	·718	−·005	7·3	+0·7	5	5·9	−0·9	1·35	3·40	− 2·05	13·22	13·66	− 0·44	0·47	Malegaon.
0	0	0	0	0	1	9	13	8	S 86° W	S 83° W	7·2	13·5	−6·3	82	+ 7	76	− 4	·654	−·030	5·8	−0·6	1	5·4	−4·4	0·84	3·78	− 1·94	18·71	11·89	+ 6·82	0·41	Ahmadnagar.
0	0	0	0	0	0	0	11	20	N 61° W	S 83° W	6·3	10·8	−4·5	92	+ 2	85	+ 1	·707	+·013	5·2	−2·8	6	8·9	−2·9	2·12	3·76	− 1·64	24·87	16·88	+ 7·99	0·75	Poona.
0	1	0	0	0	0	3	20	7	N 82° W	S 83° W	10·6	9·3	+1·3	89	+ 5	75	− 1	·677	−·004	6·1	−1·4	4	8·3	−4·2	1·03	5·46	− 4·43	11·43	15·47	− 4·04	0·30	Sholapur.
0	0	0	0	0	0	1	29	1	W	S 82° W	9·8	7·8	+2·0	98	+13	75	− 6	·642	−·047	4·7	−2·5	2	5·3	−3·3	0·45	2·73	− 2·28	8·36	9·26	− 0·90	0·21	Bijapur.
3	0	0	0	0	0	2	25	1	S 86° W	S 83° W	10·8	15·7	−4·9	83	− 5	93	+ 1	·678	+·005	8·5	−0·3	11	17·0	−6·0	7·35	9·23	− 1·88	34·11	36·03	− 1·92	1·20	Belgaum.
																																XI.—Central India.
0	0	0	1	0	0	3	27	0	S 86° W	S 75° W	8·5	8·0	+0·5	92	+ 8	76	− 8	·737	−·047	6·7	−0·5	4	10·0	−6·0	3·84	9·02	− 5·18	12·59	22·26	− 9·67	1·24	Neemuch.
1	0	0	0	0	0	5	12	13	N 77° W	S 85° W	7·7	4·2	+3·5	86	+ 4	85	− 4	·717	−·013	9·4	+0·2	9	10·8	−1·8	7·48	7·67	− 0·19	18·16	23·62	− 5·46	1·38	Indore.
5	2	0	0	2	1	4	16	1	S 83° W	S 89° W	3·2	2·3	+0·9	59	+ 8	87	0	·878	−·007	8·7	+0·5	18	13·6	+4·4	24·12	13·26	+10·86	33·11	33·71	+ 4·40	4·29	Nowgong.
3	1	1	1	0	1	11	11	2	S 73° W	S 89° W	4·9	5·6	−0·7	62	+21	87	0	·858	−·018	9·2	+0·9	14	14·8	−0·8	15·35	12·26	+ 3·09	31·79	32·39	− 0·60	3·37	Sutna.
																																XII.—Central Provinces.
0	0	0	0	0	0	7	16	6	N 88° W		7·0	6·3	+0·7	87		81		·681		8·0		10	12·3	−2·3	3·71	7·41	− 3·70	22·97	23·38	− 0·41	1·16	Buldana.
0	0	0	0	0	0	6	17	6	N 88° W	N 78° W	7·6	6·3	+1·3	89	+ 3	79	− 3	·712	−·026	9·3	+1·3	7	10·1	−3·1	3·66	7·03	− 3·37	20·13	22·55	− 2·42	1·24	Akola.
0	0	0	1	0	0	1	25	4	N 86° W	N 89° W	8·0	5·7	+2·3	89	+ 3	84	− 3	·755	−·019	7·6	−0·2	12	10·2	+1·8	5·64	6·97	− 1·33	19·38	23·55	− 3·67	1·87	Amraoti.
23	0	0	0	0	0	1	5	2	N 84° W	N 86° W	7·9	6·4	+1·5	23	−70	85	+ 1	·779	+·011?	9·0	+1·6	12	10·3	+1·7	4·32	6·66	− 2·34	18·54	21·10	− 2·56	0·79	Khandwa.
1	0	1	0	0	0	16	12	1	S 70° W	S 53° W	4·0	2·8	+1·2	79	0	83	− 1	·827	−·001	8·1	−0·6	15	15·5	−0·5	17·20	14·63	+ 2·57	35·45	36·80	− 1·35	4·20	Hoshangabad.
0	0	0	0	0	0	1	25	7	N 82° W	S 87° W	7·7	3·9	+3·8	95	+31	87	− 1	·759	−·022	8·7	+0·7	15	15·5	−0·5	22·51	13·37	+ 9·14	34·86	35·32	− 0·36	3·85	Saugor.
2	0	0	0	0	1	15	16	2	S 75° W	S 77° W	3·5	3·1	+0·4	82	+11	88	− 1	·804	−·017	8·6	+0·4	19	17·5	+1·5	19·68	16·54	+ 3·14	62·07	43·16	+18·91	4·35	Jubbulpore.
1	4	0	0	0	1	6	9	10	N 74° W	N 76° W	5·3	3·6	+1·7	69	+26	87	− 1	·756	−·014	9·1	+2·2	18	16·8	+1·2	11·86	12·75	− 0·89	35·70	33·18	− 2·48	1·94	Seoni.
0	2	0	0	1	0	0	10	18	N 57° W	S 89° W	6·3	5·3	+1·0	86	+25	81	− 4	·783	−·020	7·7	−0·5	13	13·8	−0·8	8·00	11·76	− 3·76	32·12	35·60	− 3·42	1·91	Nagpur.
5	5	1	1	6	0	2	2	2	S 14° E		4·8			17		85	− 2	·778	−·005	6·4	−0·8	17	18·5	−1·5	16·19	13·65	+ 2·54	35·66	37·27	− 1·61	3·12	Pendra.

Table

(2) Abstract of observations taken at 8 hrs. at 216

Number of sub-division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	XII.—Central Provinces *—concld.*																						
	Raipur	970	28·677	−·013	29·585	28·[illegible]01	12th	28·491	4th	·313	78·3	86·6	+0·8	76·0	+1·3	81·3	+1·1	10·6	93·7	19th	72·6	30th	21·1
	Chanda	*634*	28·066	−·013	29·645	29·192	13th	28·924	4th	·268	79·4	86·9	−0·6	75·9	+0·8	81·4	+0·1	11·0	94·5	16th	72·8	29th	21·7
	Jagdalpur	1,813	27·892		29·620	28·019	12th	27·713	3rd	·306	77·6	84·8		72·1		78·4		12·7	90·6	17th	70·1	5th, 14th & 25th.	20·5
	XIII.—Hyderabad.																						
27	Aurangabad	1,965	27·871	0	29·706	27·9[illegible]0	13th	27·752	1st	·208	74·3	84·3	−0·7	69·8	+0·5	77·1	−0·1	14·5	88·3	21st	67·2	15th	21·1
	Nizamabad	1,248	28·499	+·014	29·689	28·610	12th	28·377	3rd & 4th.	·233	77·2	87·8	+1·7	73·5	+0·7	80·7	+1·2	14·3	94·1	15th	68·9	29th	25·2
	Bidar	*2,165*									74·7	84·1	+0·3	69·8	+2·4	77·0	+1·3	14·3	90·5	15th & 23rd.	67·4	31st	23·1
28	Gulbarga	1,503	28·277	−·007	29·716	28·382	12th	28·167	1st	·215	75·7	90·2	+2·0	72·1	+0·7	81·1	+1·3	18·1	98·0	23rd	69·8	31st	28·2
	Raichur	*1,311*	28·496	+·018	29·741	28·592	12th	28·407	1st	·185	78·3	91·8	+2·8	73·0	+0·5	82·4	+1·7	18·8	99·7	15th	70·0	26th	29·7
	Hyderabad (Deccan)	1,7[illegible]8	28·032	+·003	29·699	28·137	12th	27·918	1st	·219	75·1	85·6	+0·1	72·6	+0·2	79·1	+0·1	13·0	91·8	15th	68·6	26th	23·2
	Hanamkonda	877	28·859	+·001	29·676	28·961	12th	28·738	3rd	·223	79·9	88·3	+0·3	75·8	+0·7	82·1	+0·7	12·5	9[illegible]·0	17th	71·2	28th	23·8
	XIV.—Mysore.																						
29	Chitaldrug	2,405	27·461	+·015	29·775	27·538	31st	27·386	2nd	·162	72·0	83·5	+1·4	68·3	+0·1	75·9	+0·7	15·2	89·6	16th	66·1	28th	23·5
	Hassan	3,149	26·768	+·001	29·787	26·831	12th	26·705	1st	·126	69·2	79·7	+1·2	65·1	+0·4	72·4	+0·8	14·6	84·3	16th & 20th.	62·8	17th	21·5
	Bangalore	3,021	26·888	+·001	29·771	26·974	31st	26·821	1st	·153	71·4	84·5	+2·6	66·9	+1·1	75·7	+1·9	17·6	96·5	14th	61·7	10th	25·8
	Mysore	2,518	27·382	0	29·796	27·450	12th	27·323	1st	·127	72·9	84·9	+1·6	67·4	+0·8	76·1	+1·2	17·5	91·6	16th	64·3	18th	27·3
	XV.—Madras.																						
30	Mangalore	72	29·822	−·008	29·826	29·881	31st	29·761	1st	·120	78·9	84·6	+1·2	74·9	+1·2	79·7	+1·2	9·7	87·2	10th	71·7	23rd	15·5
	Calicut	27	29·864	−·013	29·870	29·933	31st	29·818	19th	·115	76·8	82·9	+0·2	75·1	+0·8	79·0	+0·5	7·8	85·3	11th & 12th.	72·7	25th	12·6
	Cochin	9	29·903	−·007	29·840	29·943	9th	29·816	22nd	·077	78·7	84·0	−0·1	75·1	+0·7	79·5	+0·3	8·9	86·2	20th	72·9	26th	13·3
	Trivandrum	198	29·705	−·002	29·874	29·774	31st	29·658	18th	·116	78·6	84·1	+1·9	75·5	+0·5	79·8	+1·4	8·6	88·0	15th & 18th.	73·0	25th	15·0
31	Pamban	37	29·799	−·015	29·764	29·914	31st	29·755	22nd	·159	82·8	90·2	+0·9	80·6?	+2·2?	85·4?	+1·5?	9·6	91·7	30th	79·3	22nd	12·4
	Madura	447	29·386	−·011	29·763	29·483	31st	29·330	3rd & 22nd.	·153	82·7	94·3	−2·0?	77·1	+1·3	85·7	−0·3?	17·2	93·7	15th	72·1	20th	26·6
	Pudukkottai	318	29·510	−·015	29·758	29·609	31st	29·457	22nd	·152	82·3	96·3	+1·7	76·7	+1·1	86·5	+1·4	19·6	94·9	12th & 15th.	71·9	20th & 21st.	28·0
	Negapatam	31	29·805	0	29·765	29·917	31st	29·747	22nd	·170	82·5	94·3	+0·4	78·8	+1·5	86·6	+0·9	15·5	97·8	17th	74·1	19th	23·7
	Trichinopoly	255	29·582	−·006	29·769	29·695	31st	29·523	22nd	·172	83·1	97·4	+0·9	77·8	+1·0	87·6	+0·9	19·6	101·5	16th	74·1	20th	27·4
	Coimbatore	1,341	28·530	+·014	29·805	28·629	31st	28·463	22nd	·166	76·0	87·8	−0·4	71·7	+0·9	79·7	+0·3	16·1	90·8	20th	70·1	5th	20·7
	Salem	913	28·934	+·004	29·779	29·039	31st	28·869	3rd	·170	79·3	95·0	+0·9	74·3	+1·5	83·6	+1·2	15·7	97·7	14th	71·0	16th	26·7
	Cuddalore	37	29·778	−·007	29·745	29·903	31st	29·715	22nd	·188	83·0	94·4	+0·6	78·3	+1·6	86·4	+1·1	16·1	99·5	6th	72·6	22nd	26·9
	Vellore	707	29·110	−·001	29·750	29·232	31st	29·033	22nd	·191	81·8	94·1	+1·2	76·8	+0·5	85·4	+0·8	17·3	98·9	23rd	74·0	31st	24·9
	Madras	22	29·777	−·010	29·731	29·910	31st	29·696	22nd	·214	83·9	95·7	+1·9	79·1	+1·6	87·4	+1·7	16·6	100·0	23rd	73·7	31st	26·3
32	Cuddapah	428	29·373	−·012	29·725	29·486	12th	29·283	1st	·173	83·9	97·0	+2·7	79·7	+2·9	88·3	+2·8	17·3	103·4	16th	74·6	27th	28·8

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

B.—*continued.*

stations in India, etc., in August, 1915—*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, 1915.	Normal rainfall for period, 1st May to 31st August.	Departure from normal of period, 1st May to 31st August, 1915.	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.—Central Provinces—*concld.*
0	1	0	0	0	1	12	16	1	S 73° W	S 56° W	6·4	6·1	+0·3	86	+14	89	0	·832	+·025	6·3	−1·7	10	15·5	−5·5	18·89	13·07	+5·32	38·89	37·33	+1·56	4·36	Raipur.
0	0	0	0	0	1	11	15	4	S 76° W	S 76° W	5·5	4·1	+1·4	83	+ 8	82	0	·815	+·006	7·4	−0·5	13	15·3	−2·3	11·46	13·47	−2·01	29·48	38·48	−9·00	3·20	Chanda.
9	0	0	0	0	2	10	0	0	S 62° W		3·1*			62		84		·792		5·0		16			17·59			40·51			3·00	Jagdalpur.
																																XIII.—Hyderabad.
0	0	0	0	0	0	7	20	4	S 83° W		11·7			92		83	0	·704	−·005	8·5	+0·3	4	9·5	−5·5	2·08	5·35	−3·27	20·49	17·87	+2·62	0·60	Aurangabad.
0	2	0	0	0	1	9	12	7	S 89° W		4·7			75		79	− 3	·724	−·024	7·2	+0·3	13	14·5	−1·5	9·97	10·82	−0·85	20·87	26·26	−5·39	2·76	Nizamabad.
0	0	0	0	0	0	21	2	8	S 69° W		6·5			78		79	− 7	·682	−·027	7·4	+2·0	8	11·7	−3·7	5·08	7·33	−2·25	15·61	21·12	−5·51	2·60	Bidar.
0	0	0	0	0	0	4	21	6	N 87° W	N 75° W	9·6	10·0	−0·4	92	+11	78	− 3	·690	−·022	6·7	−0·5	6	9·1	−3·1	2·20	6·45	−4·25	10·97	18·98	−8·01	0·96	Gulbarga.
0	0	0	0	0	0	10	9	12	N 87° W	S 81° W	11·8	9·5	+2·3	79	− 2	75	− 1	·718	+·013	3·8	−2·1	6	9·3	−3·3	5·01	5·74	−0·73	10·01	15·44	−5·43	2·45	Raichur.
0	0	0	0	0	0	1	20	10	N 77° W	N 83° W	10·7	6·1	+4·6	96	+ 3	79	− 2	·773	+·066	7·5	+0·1	9	11·3	−2·3	9·47	6·80	+2·67	26·71	17·96	+10·75	3·79	Hyderabad (Deccan).
0	0	0	0	0	0	5	15	11	N 81° W		5·7			86		73	+ 2	·742	−·006	6·8	−0·2	10	10·8	−0·8	11·25	6·94	+4·31	24·80	22·83	+1·97	3·20	Hanamkonda.
																																XIV.—Mysore.
0	0	0	0	0	0	6	14	11	N 82° W	S 78° W	7·6	7·8	−0·2	86	− 2	82	− 1	·629	−·026	7·1	−1·6	5	7·2	−2·3	1·25	3·26	−1·97	12·01	12·84	−0·83	0·32	Chitaldrug.
0	1	0	0	0	0	5	16	9	N 81° W	N 87° W	8·0	3·2	+4·8	84	− 4	87	+ 2	·621	−·008	7·1	−1·6	6	9·4	−3·4	1·40	4·21	−2·81	17·62	18·73	−1·11	0·55	Hassan.
0	0	0	0	0	0	6	19	6	W	S 73° W	7·7	6·1	+1·6	88	+20	82	− 3	·628	+·004	7·1	−1·5	8	9·7	−1·7	2·28	5·49	−3·21	17·12	16·87	+0·25	0·44	Bangalore.
1	0	0	0	0	0	13	15	2	S 73° W	S 72° W	7·8	9·1	−1·3	85	− 2	79	− 3	·633	−·008	8·3	−0·2	7	6·7	+0·3	2·85	3·53	−0·68	21·32	14·01	+7·31	1·04	Mysore.
																																XV.—Madras.
2	8	1	4	1	0	3	9	3	N 44° W	N 72° W	4·5	1·8	+2·7	37	+12	87	− 2	·853	+·010	7·4	−1·1	20	24·5	−4·6	13·97	22·79	−8·82	82·62	104·45	−21·83	4·56	Mangalore.
10	2	1	0	1	0	2	5	10	N 58° W	N 22° W	4·7	5·6	−0·9	43	+ 6	94	+ 3	·865	+·024	7·4	−0·4	17	18·4	−1·4	14·99	16·05	−1·06	83·31	89·23	−5·92	5·40	Calicut.
4	6	6	5	0	0	2	2	6	N 7° E	N 13° W	5·2	4·2	+1·0	43	− 4	85	− 1	·836	−·005	7·5	+0·2	18	18·2	−0·2	8·13	13·09	−4·96	83·14	75·49	+7·65	1·48	Cochin.
1	7	0	0	0	0	0	4	19	N 40° W	N 13° W	6·7	6·6	+0·1	88	+ 3	85	0	·824	+·018	8·3	+0·6	10	9·3	+0·7	2·66	4·09	−1·43	41·24	32·89	+8·35	0·92	Trivandrum.
3	1	1	1	5	11	8	1	0	S 4° W	S 43° W	7·2	7·3	−0·1	59	− 6	79	+ 2	·878	+·007	3·2	0	0	1·3	−1·3	0·03	0·92	−0·81	2·53	2·16	+0·37	0·05	Pamban.
0	2	1	0	0	0	0	13	15	N 50° W	N 41° W	4·6	2·3	+2·3	86	+ 7	69	+ 2	·760	+·017	7·5	+2·3	8	5·8	+2·2	4·95	4·13	+0·82	11·22	10·33	+0·89	1·17	Madura.
9	2	0	0	0	0	0	8	12	N 57° W		4·1			65		71	0	·786	+·032	5·3	−1·8	11	9·6	+1·4	7·34	6·77	+0·57	15·68	14·17	+1·49	2·20	Pudukkottai.
0	0	0	0	0	0	13	18	0	S 72° W	S 72° W	5·9	4·5	+1·4	92	+ 9	78	+ 7	·869	+·071	4·0	−1·3	5	5·4	−0·4	2·40	3·68	−1·28	6·87	8·81	−1·94	1·80	Negapatam.
0	0	0	0	0	0	10	18	2	S 80° W	S 85° W	6·0	5·8	+0·2	89	+ 1	66	− 2	·738	+·001	4·7	−1·3	2	5·5	−3·5	1·61	4·28	−2·67	9·38	10·27	−0·89	0·74	Trichinopoly.
4	0	0	0	2	6	18	1	0	S 31° W	S 36° W	6·0	4·7	+1·3	76	− 3	82	− 2	·731	−·012	3·9	−1·6	2	3·2	−1·2	0·65	1·22	−0·57	8·92	6·63	+2·29	0·23	Coimbatore.
3	1	0	0	0	4	10	10	3	S 67° W	S 37° W	4·1	2·9	+1·2	69	− 3	79	− 1	·785	+·006	6·3	−0·2	8	11·0	−3·0	3·23	7·25	−1·02	20·45	19·15	+1·30	2·28	Salem.
5	0	0	0	1	0	25	0	0	S 42° W	S 73° W	4·9	1·7	+3·2	79	+ 7	72	− 6?	·807	−·056?	5·2	−0·8	7	7·8	−0·8	7·17	4·84	+2·33	9·63	10·57	−0·94	2·70	Cuddalore.
3	0	0	0	0	0	1	27	0	S 89° W		2·9			89		75	+ 4?	·807	+·067?	4·1	−1·3	3	8·3	−5·3	2·58	7·77	−5·19	18·27	18·49	−0·22	1·86	Vellore.
1	0	0	0	0	4	13	12	1	S 60° W	S 66° W	4·8	5·0	−0·2	79	0	73	− 3	·816	+·010	5·1	−1·7	4	8·2	−4·2	1·20	4·94	−3·74	11·67	12·01	−0·34	0·37	Madras.
0	1	0	0	0	0	2	21	7	N 81° W	N 82° W				89	+ 6	82	− 9	·724	−·042	5·7	−1·9	4	8·5	−4·5	1·06	6·31	−5·25	11·64	14·25	−3·21	0·37	Cuddapah.

* Mean of 30 days.

Table

(2) Abstract of observations taken at 8 hrs. at 216

Number of sub-division.	Station.	Elevation of barometer cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean of 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
	XV.—Madras— *concld.*																						
	Bellary	1,475	28·340	−·003	29·742	28·428	12th	28·250	1st	·178	79·0	91·5	+0·7	74·3	+0·5	82·9	+0·6	17·2	98·3	16th	71·7	27th	26·6
	Kurnool	923	28·885	+·014	29·746	28·990	12th	28·796	1st	·194	76·0	91·5	+1·4	76·0	+2·1	83·8	+1·7	15·5	97·5	23rd	72·1	25th	25·4
33	Nellore	66	29·702	−·015	29·702	29·847	31st	29·611	1st	·236	84·6	96·6	+0·9	80·6	+1·8	88·6	+1·3	16·0	102·9	16th	75·1	24th & 31st.	27·8
	Masulipatam	15	29·726	−·016	29·676	29·832	12th & 31st.	29·618	1st	·214	82·5	92·2	+1·0	78·2	+0·5	85·2	+0·7	14·0	99·3	13th & 15th.	72·7	28th	26·6
	Cocanada	26	29·694	−·005	29·657	29·813	12th	29·563	3rd	·250	82·1	90·8	+1·3	78·9	+0·5	84·8	+0·9	11·9	96·7	13th	74·9	4th	21·8
	Waltair (Vizagapatam)	*226*	29·458	−·009	29·621	29·596	12th	29·281	3rd	·317	81·6	88·3	−0·4?	77·9	−0·1	83·1	−0·3?	10·4	93·7	24th	73·4	24th	20·3
	Calingapatam*	19	29·644		29·601	29·782	31st	29·465	3rd	·317	83·0	90·7		79·1		84·9		11·6	96·4	16th	75·8	3rd	20·6
	Gopalpur	33	29·608	−·016	29·581	29·746	12th	29·398	3rd	·348	83·5	89·5	+2·2	80·7	+2·0	85·1	+2·1	8·8	96·4	17th	75·8	3rd	20·6
	Bay Islands.																						
1	P. V. Fraser	8	29·591		29·571	29·732	12th	29·365	2nd	·367	84·6												
	Port Blair	58	29·780	−·010	29·768	29·905	31st	29·667	1st	·238	81·9	86·7	+1·5	78·7	+1·5	82·7	+1·5	8·0	90·6	11th	74·9	23rd	15·7
	Table Island	90	29·715	−·020	29·739	29·833	31st	29·556	1st	·277	81·9	85·9	+1·5	79·9	+2·7	82·9	+2·1	6·0	88·4	12th	75·2	22nd	13·2
	Kashmir.																						
33	Muzaffarabad		27·208			27·325	20th	27·015	9th	·310	77·2	92·6		72·3		82·6		20·0	104·0	1st	68·9	21st	35·1
	Srinagar	5,204	24·677	−·032	24·648	24·788	20th	24·510	9th	·278	71·8	86·8	+2·1	65·2	+1·8	76·0	+1·9	21·6	93·5	1st	57·9	27th	35·6
	Gulmarg	*8,569*	21·772	−·023	21·740	21·855	20th	21·635	9th	·220	61·0	71·3	+3·0	50·9	0	61·1	+1·5	20·4	79·7	12th	43·2	20th	36·5
	Dras	*10,059*	20·716	−·011	20·684	20·791	20th	20·618	1st	·173	59·2	75·7	−4·0	50·8	+2·4	63·2	−0·8	24·9	83·1	1st	44·2	3rd	38·9
	Leh	*11,503*	19·661	−·007	19·629	19·728	18th	19·555	1st	·173	55·4	77·4	+0·5	50·8	+1·1	64·1	+0·8	26·6	81·7	6th & 12th	43·0	31st	38·7
	Skardu	*7,505*	22·701†	−·028†	22·671†	22·787	20th	22·609	25th	·178	69·5	89·3	+2·2	61·7	+0·6	75·5	+1·4	27·6	99·1	1st	51·5	3rd	47·6
	Gilgit	4,890	24·869	−·030	24·842	25·032	27th	24·696	1st	·336	80·5	96·6	+1·4	70·4	−1·3	83·5	+0·1	26·2	102·7	6th, 10th & 11th.	60·7	10th	42·0
	Baluchistan.																						
15	Fort Sandeman	4,614	25·210		25·179	25·343	20th	25·101	9th & 11th.	·242	79·0	100·7		74·3		87·5		26·4	107·7	12th & 13th.	66·1	19th	41·6
	Quetta	5,502	24·458	−·026	24·418	24·542	20th	24·341	9th	·201	69·1	95·9	+4·7	62·6	+1·2	79·2	+2·9	33·3	98·9	6th & 9th	54·5	30th	44·4
	Chaman	4,311	25·444	−·049	25·406	25·534	31st	25·335	9th	·199	83·2	101·9	+4·2	75·1	+3·7	88·5	+3·9	26·8	105·8	9th	69·5	30th	36·3
	Kalat	6,630	23·613		23·575	23·683	20th	23·506	1st	·177	65·0	93·7	+2·4	59·7	+10·5	76·7	+6·5	34·0	97·0	6th & 13th	53·0	30th	44·0
	Dalbandin	2,772	26·831		26·794	26·909	20th & 31st.	26·719	9th	·190	80·0	109·4		72·3		90·8		37·1	114·2	18th	66·0	31st	48·2
	Pasni		29·610		29·570	29·719	20th	29·394	1st	·325	80·2	89·2		75·4		82·3		13·8	93·9	28th	71·6	21st	22·3
	Panjgur		26·483		26·441	26·589	20th	26·371	1st	·198	77·3	103·3		74·3		88·8		29·0	107·4	4 days	65·4	30th	42·0
	Robat		26·635		26·593	26·741	27th	26·551	5th	·190	85·3	108·0		79·9		94·0		28·1	117·3	17th	71·8	31st	45·5
	Hill stations, excluding Kashmir and Baluchistan.																						
	Para Chinar	6,000	24·311	−·004	24·287	24·411	20th	24·197	9th	·214	75·7	87·6	+2·0	66·1	+1·3	76·8	+1·7	21·5	94·2	10th	61·7	27th	32·5
	Cherat	*4,956*	25·511	−·019	25·479	25·623	20th	25·358	9th	·265	76·9	89·5	+2·9	72·2	+2·3	80·9	+2·6	17·3	102·0	9th	66·4	19th	35·6
	Drosh		24·837‡			24·950	20th	24·700	1st	·250	79·7	96·7	+1·4	76·0	+4·1	86·3	+2·7	20·7	103·1	1st	69·8	26th	33·3
	Murree	6,333	23·725	−·016	23·693	23·818	20th	23·588	9th	·230	66·1	74·6	+0·7	62·5	+1·9	68·6	+1·3	12·1	81·1	9th	56·1	26th & 27th.	25·0

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

* Mean of 30 days.
" " 13 "

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

B—*continued.*

stations in India, etc., in August, 1915—*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, 1915.	Normal rainfall for period, 1st May to 31st August.	Departure from normal of period, 1st May to 31st August, 1915.	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
																																XV.—Madras— *concld.*
0	1	0	0	0	0	4	15	11	N 76° W	N 85° W	8·8	8·2	+0·6	86	0	65	− 3	·641	−·007	6·9	−0·7	1	4·4	−3·4	0·46	2·36	−1·90	13·11	8·15	+4·96	0·32	Bellary.
0	2	0	0	0	0	4	13	12	N 73° W	N 89° W	9·3			82	+17	70	− 7	·683	−·051	6·0	−1·2	7	9·8	−2·8	3·12	5·56	−2·44	11·05	14·57	−3·52	1·45	Kurnool.
1	0	0	0	0	1	0	19	10	N 77° W	N 68° W	5·4	6·9	−1·5	89	+14	69	− 1	·801	−·001	6·5	−1·6	5	5·9	−0·9	3·10	3·43	−0·38	9·36	8·18	+1·18	1·73	Nellore.
0	0	0	1	0	2	5	16	7	S 89° W	N 72° W	7·4	5·6	+1·8	76	− 7	79	− 4	·875	−·032	7·0	−0·8	14	10·6	+3·4	11·22	6·83	+4·39	26·87	18·63	+8·19	4·50	Masulipatam.
1	0	0	0	0	0	8	22	0	S 78° W	S 74° W	5·5	5·6	−0·1	96	+17	87	+ 4	·948	+·069	6·6	−0·6	10	9·9	+0·1	7·48	5·55	+1·93	19·75	17·16	+2·59	2·68	Cocanada
2	0	1	0	1	4	18	5	0	S 44° W	S 84° W	5·4			72	− 9	85	+ 6	·908	+·058	6·4	−1·6	8	8·8	−0·8	10·95	5·58	+5·37	27·91	16·48	+11·43	3·96	Waltair (Vizagapatam).
3	2	1	0	0	1	9	9	5	S 87° W		7·3†			59		83		·935		3·7		5	11·0	−6·0	5·77	8·75	−2·98	14·83	20·15	−5·32	1·89	Calingapatam.
3	4	1	1	0	8	10	2	2	S 44° W	S 63° W	8·3	8·0	+0·3	43	−15	84	− 1	·967	+·042	5·8	+0·8	7	11·4	−4·4	12·01	7·53	+4·48	22·15	22·60	−0·15	5·92	Gopalpur.
																																Bay Islands.
0	1	1	2	1	7	15	2	2	S 36° W					61		86		1·025		7·1		9			7·15			21·93			2·68	P. V. Fraser.
2	0	0	0	0	0	9	14	6	S 85° W	S 62° W	7·0	7·9	−0·9	82	+ 3	84	− 4	·908	−·006	7·8	−0·4	14	19·2	−5·2	12·48	14·79	−2·31	43·04	66·63	−23·59	2·73	Port Blair.
0	0	0	0	0	3	16	11	1	S 60° W		17·5			86		91	+ 2	·997	+·059	6·5	−2·2	10	16·9	−6·9	5·86	12·87	−7·01	35·17	52·02	+16·65	2·90	Table Island.
																																Kashmir.
31	0	0	0	0	0	0	0	0	Calm		0·7			(a)		82		·765		4·6		20			14·23			24·79			1·90	Muzaffarabad.
7	1	1	1	13	4	0	2	2	S 37° E	S 48° E	2·7	2·6	+0·1	40	+ 8	75	−10	·580	−·036	3·2	−1·6	2	5·4	−3·4	1·05	2·41	−1·36	3·25	9·64	−6·39	0·43	Srinagar.
14	4	7	2	3	0	0	1	0	N 50° E		1·9			33		72	− 7	·428	+·007	4·5	−0·4	8	10·1	−2·1	7·24	4·91	+2·33	11·61‡	12·96§	−1·35	3·10	Gulmarg.
24	0	0	0	0	0	0	4	3	N 71° W		6·9			23		68	+ 6	·339	+·002	2·7	−1·4	3	1·1	+1·9	0·68	0·48	+0·20	1·64	5·09	−3·45	0·25	Dras.
25	0	1	0	1	3	1	0	0	S 11° E	N 85° W	2·5	1·3	+1·2	13	−47	59	0	·298	+·015	4·7	+0·2	1	1·7	−0·7	0·36	0·52	−0·16	0·62	1·37	−0·75	0·10	Leh.
28	0	0	0	0	0	2	1	0	S 59° W		4·3			7		50	− 4	·353	−·027	2·3	−1·8	3	1·1	+1·9	0·63	0·41	+0·22	1·51	2·59	−1·08	0·30	Skardu.
31	0	0	0	0	0	0	0	0	Calm		0·3			(a)		60	+13	·618	+·155	1·9	−2·0	1	1·8	−0·8	0·24	0·45	−0·21	1·40	2·38	−0·98	0·19	Gilgit.
																																Baluchistan.
31	0	0	0	0	0	0	0	0	Calm		2·5			(a)		59		·576		0·3		4			1·73			3·04			1·03	Fort Sandeman.
20	0	1	1	4	4	1	0	0	S 29° E	S 22° W	2·2	2·0	+0·2	30	+24	67	+11	·483	+·004	1·4	+0·3	0	0·7	−0·7	0	0·45	−0·45	0·13	1·74	−1·61	0	Quetta.
3	0	0	10	12	5	1	0	0	S 52° E	S 61° W	4·6	6·1	−1·5	72	+21	21	−19	·247	−·099	0·3	−0·2	0	0·1	−0·1	0	0·02	−0·02	0	0·22	−0·22	0	Chaman.
31	0	0	0	0	0	0	0	0	Calm	S 16° W	3·9			(a)		54	+13	·341	−·018	0·5		0	0·4	−0·4	0	0·19	−0·19	1·14	1·37	−0·23	0	Kalat.
15	1	0	0	0	3	2	5	5	N 89° W		4·7			32		18		·190		0·4		0			0			0			0	Dalbandin.
7	1	0	3	2	2	8	7	1	S 50° W		6·8			37		85		·876		9·5		0			0			0·12			0	Pasni.
19	1	3	3	0	0	1	2	2	N 15° E		4·7			13		66		·619		1·3		0			0			0·03			0	Panjgur.
6	0	2	0	1	3	11	8	0	S 53° W		5·6			56		40		·496		0		0			0			0·14			0	Robat.
																																Hill stations, excluding Kashmir and Baluchistan.
31	0	0	0	0	0	0	0	0	Calm		1·1			(a)		59	− 2	·518	−·001	0·7	−3·6	8	6·8	+1·2	3·33	2·83	+0·50	11·97	11·37	+0·60	1·32	Para Chinar.
3	4	0	1	5	15	2	1	0	S 7° E	S 31° E	4·9	5·9	−1·0	53	+25	74	− 2	·677	+·036	3·8	−0·5	2	6·1	−4·1	2·04	4·50	−2·46	3·79	11·14	−7·35	1·47	Cherat.
25	1	0	0	0	1	4	0	0	S 45° W		6·5			13		53	− 5	·533	−·023	1·6	−0·7	0	2·8	−2·8	0	0·85	−0·85	1·63	4·43	−2·80	0	Drosh.
12	3	0	2	8	0	0	0	6	N 64° E	N 46° W	3·1	3·9	−0·8	10	−12	85	+ 2	·545	+·015	6·5	+1·3	15	14·6	+0·4	23·83	14·12	+9·71	38·41	32·24	+6·17	5·54	Murree.

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

† Mean of 29 days.
‡ Rainfall since 4th June 1915.
§ Normal rainfall since 1st June.

(a) Indeterminate.

Table

(2) Abstract of observations taken at 8 hrs. at 216

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 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
	Hill stations, excluding Baluchistan —*concld.*																						
	Simla	7,232	23·010	+·001	22·972	23·108	20th	22·899	9th	·209	61·8	66·7	0	59·8	+0·6	63·2	+0·3	6·9	70·4	5th	57·2	30th	13·2
	Sanawar		23·026	−·039	22·938	23·131	20th	22·895	9th	·236	63·3	71·5	+1·1	58·1	+0·1	64·8	+0·6	13·4	75·5	6th & 8th.	54·2	19th & 23rd.	21·3
	Kakabagh		20·071	−·029	20·035	20·141	17th	19·976	9th	·165	51·2	55·3	−0·3	45·8	−2·0	50·7	−1·1	9·8	60·3	7th	42·7	19th	17·6
	Chakrata*	7,072	23·255	−·051	22·245	23·375	20th	23·181	9th	·194													
	Mukteswar	7,592	22·716	−·015	22·705	22·837	20th	22·633	10th	·204	60·8	67·2	−1·6	58·5	+0·8	62·9	−0·4	8·7	74·3	8th	56·6	14th	17·7
	Darjiling	7,132	22·870	−·018	22·825	22·948	20th	22·743	10th	·205	62·0	70·0	+4·1	58·7	+1·3	64·4	+2·7	11·3	75·4	3rd	55·5	1st	18·9
	Shillong	4,920	25·000	−·035	24·952	25·085	20th	24·865	10th	·220	68·4	73·8	−1·2	64·3	+0·8	69·1	−0·2	9·5	79·9	3rd	59·8	30th	20·1
	Cherrapunji	4,309	25·518	−·032	25·499	25·627	20th	25·405	10th	·232	68·1	72·8	+0·8	65·8	+0·8	69·2	+0·8	7·0	80·1	3rd	59·2	24th	20·9
	Maymyo	3,546	26·320	−·013	26·265	26·415	31st	26·220	1st	·195	70·1	76·8	+0·3	67·1	+1·0	71·9	+0·9	9·7	80·5	25th	64·8	31st	15·7
	Pachmarhi	3,528	26·261	−·012	26·208	26·352	13th	26·146	5th	·206	68·6	73·8	−1·1	67·1	+0·1	70·5	−0·5	6·7	79·5	19th	65·1	14th	14·4
	Mount Abu	3,945	25·360	−·006	25·319	25·552	20th	25·733	1st	·219	67·0	74·9	+2·9	64·6	+0·2	69·7	+1·5	10·3	78·7	29th	62·4	17th	16·3
	Mercara	3,781	26·178	−·004	26·111	26·241	31st	26·122	22nd	·119	65·1	71·3	+1·6	61·7	−0·4	66·5	+0·6	9·6	76·5	19th	60·3	16th	16·2
	Ootacamund	7,327	23·025	+·030	22·961	23·102	31st	22·968	1st	·134	57·8	64·5	+1·8	51·9	−0·2	58·2	+0·8	12·6	68·5	13th & 30th.	47·7	12th	20·8
	Kodaikanal	7,688	22·803	+·015	22·738	22·867	31st	22·741	1st	·126	58·0	63·9	+0·8	53·2	+0·7	55·5	+0·7	10·7	66·9	15th	50·6	19th	16·3
	Extra India.																						
	Singapore (a)	10	29·819	−·081	29·780	29·839	11th	29·758	7th	·141	85·0	89·1	+1·7	76·8	+3·2	82·9	+2·5	12·3	91·0	4th & 27th	74·0	23rd	17·0
	Penang (a)	17	29·845	−·070	29·787	29·939	31st	29·794	1st	·115	82·3	85·1	−0·5	73·7	0	80·9	−0·4	14·4	91·0	4 days	70·0	31st	21·0
	Trincomalee	99	29·731	−·018	29·758	29·839	31st	29·671	22nd	·168	79·9	93·8	+2·1	78·1	+1·1	85·9	+1·6	15·7	97·5	11th	75·6	18th	21·9
	Colombo	24	29·875	−·021	29·825	29·937	31st	29·814	15th	·153	78·9	85·2	−0·8	77·1	−0·3	81·2	−0·5	8·1	86·4	27th	73·5	31st	12·9
	Hambantota	61	29·817		29·807	29·924	31st	29·769	19th	·155	77·4	87·0		76·4		81·7		10·6	91·7	6th & 11th.	74·7	1st	17·0
	Minicoy	7																					
	Amini Divi	13	29·895	+·001	29·835	29·954	31st	29·834	1st	·120	82·3	86·1	+0·7	77·3	0	81·7	+0·3	8·8	87·6	14th & 31st.	73·7	28th	13·9
	Gyantse	13,120	18·418		18·439	18·534	17th	18·422	11th	·112	48·9	62·6		40·9		51·7		21·7	70·0	4th & 6th	35·4	25th, 27th & 28th.	34·6
	Phari Jongt	14,400									48·7			33·0							29·0	4th	
	Gangtok	5,667	24·339	−·029	24·295	24·437	26th	24·219	10th	·218	68·1	75·2	+0·6	62·8	+7·2	69·0	+3·9	12·4	81·3	8th	60·2	13th & 14th.	21·1
	Gartok (b)	15,100									46·5	63·5		43·3		53·4		20·2	69·8	13th	39·0	31st	30·8
	Kashgir (b)	4,255	25·381	−·109		25·560	22nd	25·270	12th	·290	75·7	94·4	+4·6	66·6	+1·0	80·5	+2·8	27·8	109·3	6th	69·2	30th	40·0
	Kabul		22·931	−·154		24·050	26th & 31st.	23·880	11th	·170	63·2	101·0	+7·5	61·1	+1·6	81·1	+4·5	39·9	106·8	17th	54·8	30th	52·0
	Meshed	3,104	25·693		29·670	25·837	10th	25·528	11th	·309	75·1	95·5	+7·1	59·6	0	77·5	+3·5	35·9	104·4	8th	49·6	31st	54·6
	Jask	13	29·558	−·035	29·523	29·650	27th	29·381	2nd	·275	87·8	96·2	+1·5	88·5	+2·4	91·3	+2·1	9·7	110·1	2nd	83·5	7th & 30th	26·6
	Muscat	20	29·571	−·011	29·539	29·658	13rd	29·383	2nd	·275	89·2	95·6	+6·5	86·5	+2·5	91·1	+4·5	9·1	107·1	10th	83·6	22nd	23·5
	Bahrein	18																					
	Bushire	14	29·519	−·025	29·495	29·616	21st	29·360	2nd	·256	89·8	95·5	−1·4	85·1	+1·2	90·3	−0·1	10·4	101·3	22nd	80·7	14th	20·6
	Basrah	25	29·470	−·099	29·464	29·576	20th	29·287	2nd	·289	88·8	105·9	+1·7	77·1	−3·9	91·5	−1·1	28·8	112·3	27th	71·1	25th	41·2
	Kerman (b)		24·395			24·470	26th	24·315	4th, 5th & 11th.	·155	77·5	100·8		75·3		88·0		25·5	108·0	13th & 16th.	64·3	29th	43·7
	Ispahan (b)	5,817																					
	Tehran (b)	4,002																					
	Baghdad	127																					
	Beirut (d)																						
	Aden	94	29·825	−·025	29·651	29·731	13th	29·516	5th	·215	86·8	91·2	+2·2	84·3	+3·9	89·2	+3·1	9·9	97·4	20th	82·0	2nd	15·4
	Zanzibar	92	30·095	+·011	30·095	30·152	18th	30·035	29th	·117	75·5	82·0	+0·9	73·1	+0·4	77·6	+0·7	8·9	84·7	31st	71·9	8th	12·8

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.
(d) 5½ hrs. observations.

*Mean of 30 days.
† „ „ 12 „

B—*concluded.*

stations in India, etc., in August, 1915—*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 August, 1915.	Normal rainfall for period, 1st May to 31st August.	Departure from normal of period, 1st May to 31st August, 1915.	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
																																Hill stations, excluding Kashmir and Baluchistan—*concld.*
																91	0	·561	−·002	8·1	−0·1	26	19·8	+6·2	23·27	18·16	+5·11	39·87	44·70	− 4·83	3·21	Simla.
																82	−1	·477	−·012	7·3	−0·3	17	18·9	−1·9	18·37	12·06	+6·31	33·46	30·85	+ 2·61	2·74	Sanin.
6	19	1	0	0	1	0	0	4	N 5° W		6·8			68		92	−1	·347	−·003	6·0	−1·1	20	23·3	−3·3	15·83	19·62	−3·17	30·85†	42·40	−11·55	2·66	Kalabagh.
										S 39° E		3·9								9·7	+3·1	19	20·3	−1·3	9·80	19·93	−10·18	28·38*	50·45	−22·07	1·46	Chakrata.
																						29	17·9	+2·1	21·83	12·67	+12·16	41·62	31·14	+ 7·48	3·56	Mukteswar.
12	0	1	3	1	2	1	11	0	S 70° W		4·5			23		93	−1	·510	+·002	9·3	+0·6										9·35	Darjiling.
30	0	0	0	1	0	0	0	0	S 45° E	N 88° E	0·4	2·7	−2·3	3	−37	96	0	·531	+·010	8·9	+0·9	27	24·4	+2·6	29·83	26·60	+3·23	85·69	90·48	− 4·79	4·15	Shillong.
25	0	0	1	1	2	2	0	0	S 4° W		1·1			13		88	+1	·620	+·007	8·4	+0·8	22	20·3	+1·7	18·41	16·35	+2·06	75·27	57·90	+17·28	4·15	Cherrapunji.
8	0	4	5	4	4	4	2	0	S 41° E		5·1			30		97	+1	·666	+·027	8·9	+0·2	27	27·7	−0·7	92·31	81·81	+7·50	412·08	312·62	+129·46	16·51	Maymyo.
10	0	0	0	0	0	21	0	0	S 45° W		2·8			69		91	+1	·672	+·004	9·0	+1·4	14	15·0	−1·0	6·00	8·29	−2·29	47·09	32·18	+14·91	0·95	Pachmarhi.
0	0	0	0	0	0	7	13	11	N 84° W	S 87° W	7·7	6·8	+0·9	86	+10	95	+3	·657	+·002	9·6	+0·6	21	21·5	−0·5	34·70	21·78	+12·92	68·00	55·64	+12·36	4·61	Mount Abu.
1	0	0	0	0	1	24	4	1	S 51° W	S 59° W	7·0	8·2	−1·2	89	+11	91	−4	·606	−·009	7·2	−1·7	6	17·9	−11·9	3·51	21·05	−17·55	12·45	49·99	−37·54	1·36	Mercara.
0	0	0	0	0	0	6	17	8	N 87° W	N 76° W	5·5	6·1	−0·6	89	−1	94	−2	·581	−·003	8·5	−0·9	23	26·3	−3·3	18·94	26·39	−7·45	82·38	100·20	−17·82	2·53	Ootacamund.
7	0	0	1	0	1	2	15	7	N 83° W		4·3			59		86	−1	·412	+·016	7·9	−0·2	13	13·5	−0·5	5·86	6·67	−0·81	36·97	29·63	+ 7·34	1·06	Kodaikanal.
0	3	0	2	1	0	2	14	9	N 69° W		8·3			66		85	+5	·409	+·029	6·4	+0·1	15	12·7	+2·3	6·79	7·49	−0·70	20·34	22·22	− 1·88	1·16	
																																Extra India.
																				5·6	−0·2	8	12·5	−4·5	4·65	7·47	−2·82	22·40	27·14	−4·74	1·57	Singapore
4	0	0	2	15	4	6	0	0	S 24° E					69								14	13·8	+0·2	18·02	11·35	+6·65	44·37	33·95	+10·42	4·33	Penang.
0	0	0	0	0	0	11	19	1	S 75° W	S 45° W	7·7	10·2	−2·5	92	−5	81	0	·836	−·017	8·3	+5·5	3	5·2	−2·2	5·87	4·45	+1·42	10·59	10·11	+ 0·48	2·16	Trincomalee.
6	0	2	0	0	0	0	2	1	S 52° W	S 61° W	4·3	6·7	−2·4	62	−26	87	+5	·853	−·014	9·7	+3·3	3	6·3	−3·3	0·84	3·61	−2·77	22·13	26·98	+ 5·15	0·28	Colombo.
1	0	0	0	0	0	12	17	1	S 74° W		11·6			89		91		·854		3·4		2			0·42	1·23	−0·81	8·38	7·93	+ 0·45	0·31	Hambantota.
										N 79° W		10·9											10·8			7·46			31·66			Minicoy.
0	1	0	0	0	0	3	13	14	N 70° W		14·4			84		82	−1	·874	−0·15	7·2	+0·2	11	10·9	+0·1	9·63	6·86	+2·77	46·19	35·50	+10·69	2·28	Amini Divi.
10	2	0	5	2	9	0	1	2	S 30° E		4·5			29		75		·259		4·5		11			4·31			10·91			0·80	Gyantse.
6	0	0	1	1	0	2	2	0	S 45° W		6·6			25		77		·265		5·4		7			2·13			9·51			0·98	Pharijong.
30	0	0	0	0	0	0	0	0	N 45° E		0·2			3		89	−3	·609	+·011	2·3	−3·6	23	27·2	+0·8	28·46	22·69	+5·77	106·08	87·66	+18·42	3·54	Gangtok.
21	1	0	1	5	1	1	0	1	S 45° E		6·6			13						4·2		9			2·54			2·61*			0·50	Gartok.
17	0	3	0	3	3	0	2	1	S 72° E	N 42° W	1·5	3·1	−1·6	10	+3	61	+8	·541	+·090	3·1	−0·2	1	1·9	−0·9	0·50	0·64	−0·14	0·50	1·93	− 1·43	0·05	Kashgar.
0	0	2	0	0	1	19	8	1	S 60° W	S 88° E				78	+64	53	+6	·313	−·093	0·3	−0·1	0	0·5	−0·5	0	0·15	−0·15	0·65	1·47	− 0·81	0	Kabul.
26	4	0	1	0	0	0	0	0	N 14° E		1·5			13		47	0	·422	−·013	0·2	−0·2	0	0·1	−0·1	0	0·03	−0·03	0·62	1·82	− 1·20	0	Meshed.
1	0	0	25	2	1	0	1	1	S 86° E	S 74° E	10·2	10·5	−0·3	82	+6	83	+6	1·080	+·050	2·0	−0·7	0	0	0	0	0	0	0	0·06	− 0·06	0	Jask.
1	4	1	17	3	0	0	0	5	N 69° E	S 76° E	1·6	3·2	−1·6	56	−4	73	−8	·998	−·010	3·2	+0·4	0	0	0	0	0	0	0	0·17	− 0·17	0	Muscat.
																							0			0			0·10			Bahrein.
9	1	4	1	2	4	0	2	8	N 31° W	N 59° E	5·5	5·3	+0·2	17	−5	77	+9	1·073	+·086	2·4	+1·6	0	0	0	0	0·01	−0·01	0	0·03	− 0·03	0	Bushire.
0	1	0	0	0	0	7	21	2	S 84° W		5·1			87		51		·688		0		0	0	0	0	0	0	0	0·46	− 0·46	0	Basrah.
30	0	0	1	0	0	0	0	0	E		6·1			45		33		·308		0		0			0			0·33			0	Kerman.
										N 34° W		2·4											0			0·01			0·30			Ispahan.
										S 14° W		1·6											0·2			0·05			0·80			Tehran.
										N 4° W		2·8											0·1			0·05			0·28			Baghdad.
																																Beirut.
8	2	6	4	4	5	2	0	0	S 73° E	S 12° W	7·4	7·8	−0·4	33	−21	72	−1	·917	+·040	2·4	−1·3	0	0·3	−0·3	0	0·13	−0·13	0	0·26	− 0·26	0	Aden.
3	0	0	0	2	14	12	0	0	S 16° W	S 1° W	5·2	5·0	+0·2	81	−5	81	−4	·707	−·024	5·3	−1·0	3	4·2	−1·2	0·45	1·72	−1·27	19·69	17·71	+ 1·98	0·18	Zanzibar.

* Rainfall since 1st June, 1915.
† Rainfall since 22nd May 1915.

Table C.—Abstract of observations taken at 8 hrs. at 59 fourth and fifth class stations in India, etc., in August, 1915.

Table

Abstract of observations taken at 8 hrs. at 59 fourth

Number of sub-division.	Station.	Temperature of air.													Wind direction.										
		Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.	Number of winds from: 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.—Assam.																								
4	Balek	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Bishnath	81·0	91·3	+1·9	77·1	+3·0	84·2	+2·5	14·2	94·5	3rd	74·7	3rd	22·8	...	...	...	...	...	...	...	...	...	...	...
	Borjuli	81·2	91·7	+1·5	76·4	+1·0	84·1	+1·3	15·3	97·3	3rd	69·6	15th	27·7	...	...	...	...	...	...	...	...	...	...	...
	Chandkhira	82·4	93·8	+4·2	75·0	−0·4	84·4	+1·9	18·8	99·9	28th	70·0	7th & 18th	29·9	...	...	...	...	...	...	...	...	...	...	...
	Doom Dooma	77·3	90·8	+1·3	75·6	+0·5	83·2	+0·9	15·2	98·3	3rd & 4th	70·2	14th	28·1	...	...	...	...	...	...	...	...	...	...	...
	Dikom	80·2	89·1	+0·5	77·4	+1·5	83·3	+1·0	11·7	95·4	3rd & 17th	79·6	29th	25·8	...	...	...	...	...	...	...	...	...	...	...
	Golaghat	80·0	89·7	+1·7	76·3	...	83·0	...	13·4	93·4	17th	73·2	14th	20·2	...	...	...	...	...	...	...	...	...	...	...
	Hailakandi	82·4	95·5	+1·4	77·1	+1·2	83·8	+1·3	13·4	97·0	3rd	71·6	14th	25·4	...	...	...	...	...	...	...	...	...	...	...
	Jorehat	80·7	89·9	+0·7	76·7	+0·4	83·3	+0·5	13·2	93·3	21st	75·0	14th	20·3	...	...	...	...	...	...	...	...	...	...	...
	Lumding	80·0	90·6	...	76·0	...	83·8	...	18·7	93·7	3rd & 17th	74·2	18th	19·5	...	...	...	...	...	...	...	...	...	...	...
	Messa	85·2	93·6	+0·6	75·8	+0·3	84·7	+0·5	17·8	96·6	21st & 22nd	72·7	29th	23·9	...	...	...	...	...	...	...	...	...	...	...
	Panerihat	77·2	90·0	+2·6	72·1	−2·6	81·5	0	18·8	93·1	2nd & 4th	69·0	29th & 31st	24·1	...	...	...	...	...	...	...	...	...	...	...
	III.—Bengal.																								
5	Comilla	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Brahmanbaria	83·1	89·5	+1·4	78·9	+1·6	84·2	+1·5	10·6	94·3	27th	75·9	31st	18·4	...	...	...	...	...	...	...	...	...	...	...
	Faridpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Goalundo	83·5	89·0	+1·3	78·4	+0·6	83·7	+0·9	10·6	93·1	17th	75·1	13th & 21st	18·0	...	...	...	...	...	...	...	...	...	...	...
	Pabna	83·7	90·3	−1·7	78·4	+0·5	84·3	+0·4	11·9	94·0	14th	75·7	31st	18·3	...	...	...	...	...	...	...	...	...	...	...
	Sirajganj	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Rampur Boalia	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Malda	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Rangpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Dam Dim	79·4	92·5	+1·4	75·1	+0·5	83·8	+0·9	17·4	98·4	20th	72·8	17th	25·6	...	...	...	...	...	...	...	...	...	...	...
	Kalchini	82·7	89·1	+0·4	74·0	−0·7	81·5	−0·1	15·1	93·1	2nd	72·0	19th & 26th	21·1	...	...	...	...	...	...	...	...	...	...	...
	Nagrakata	82·5	93·6	+2·2	75·6	+1·0	83·1	+1·6	15·0	93·1	4 days.	74·0	8 days.	19·1	...	...	...	...	...	...	...	...	...	...	...
	Cooch Behar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Krishnagar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Bankura	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Raniganj (Asansol)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	IV.—Bihar and Orissa.																								
7	Hazaribagh	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	Bhagalpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Muzaffarpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Motihari	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Chapra	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Arrah	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Dehri	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

C.

and fifth class stations in India, etc., in August, 1915.

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 August, 1915.	Normal rainfall of period, 1st May to 31st August.	Departure from normal of period, 1st May to 31st August, 1915.		
27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
																					II.—Assam.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Balek.
...	...	...	...	...	93	− 1	·983	+·044	...	...	21	18·2	+2·8	22·80	19·65	+ 3·15	86·39	59·43	+26·96	2·80	Bishnath.
...	...	...	...	...	89	− 2	·941	+·001	...	...	14	17·5	−3·5	19·51	13·71	+ 5·80	76·56	54·67	+21·89	4·21	Borjuli.
...	...	...	...	...	86	− 5	·948	+·012	...	...	25	20·0	+5·0	10·30	13·85	− 3·55	104·33	68·74	+35·59	1·10	Chandkhira.
...	...	...	...	...	91	0	·876	−·045	...	...	21	17·3	+3·7	28·44	15·45	+12·99	67·98	61·50	+ 6·48	3·36	Doom Dooma.
...	...	...	...	...	91	− 2	·945	+·031	...	...	22	19·8	+2·2	24·09	18·28	+ 5·81	86·35	65·38	+20·97	4·05	Dikom.
...	...	...	...	...	95	+ 4	·970	+·031	...	...	18	16·7	+1·3	8·59	12·56	− 3·97	50·75	43·48	+ 6·27	1·35	Golaghat.
...	...	...	...	...	88	− 3	·376	+·069	...	...	21	23·5	−2·5	14·02	18·89	− 4·87	114·78	74·92	+39·86	2·85	Hailakandi.
...	...	...	...	...	89	− 1	·937	+·005	...	...	17	18·8	−1·8	16·22	16·83	− 0·61	68·84	50·00	+18·84	4·60	Jorehat.
...	...	...	...	...	89	...	·932	...	...	...	7	10·7	−3·7	5·49	7·16	− 1·67	42·70	28·07	+14·63	1·50	Lumding.
...	...	...	...	...	79	− 8	·830	−·062	...	...	14	20·2	−6·2	13·52	18·51	− 4·99	51·90	60·99	− 9·09	3·40	Messa.
...	...	...	...	...	94	− 1	·880	+·020	...	...	16	13·5	+2·5	13·95	11·17	+ 2·79	86·60	50·32	+36·28	2·56	Panerihat.
																					III.—Bengal.
...	...	...	...	...	...	...	...	...	...	...	22	17·7	+4·3	15·96	15·96	0	76·64	59·55	+17·09	2·05	Comilla.
...	...	...	...	...	84	− 3	·947	+·011	...	...	13	19·0	−6·0	8·86	14·10	− 5·24	65·61	51·95	+13·66	1·84	Brahmanbaria.
...	...	...	...	...	...	...	...	...	...	...	17	17·1	−0·1	18·25	11·78	+ 6·47	63·95	46·26	+17·69	2·57	Faridpur.
...	...	...	...	...	86	0	·988	+·030	...	...	17	16·2	+0·8	12·21	10·58	+ 1·63	58·54	41·85	+16·69	2·50	Goalundo.
...	...	...	...	...	86	− 1	1·000	+·027	...	...	12	14·5	−2·5	5·85	8·69	− 2·84	50·19	39·99	+10·20	1·07	Pabna.
...	...	...	...	...	...	...	...	...	...	...	15	15·0	0	12·84	11·14	+ 1·70	58·14	43·15	+14·99	3·30	Sirajganj.
...	...	...	...	...	...	...	...	...	...	...	13	14·1	−1·1	8·57	9·74	− 1·17	50·12	36·25	+13·87	1·80	Rampur Boalia.
...	...	...	...	...	...	...	...	...	...	...	15	14·5	+0·5	6·97	10·74	− 3·77	31·98	35·04	−3·06	1·30	Malda.
...	...	...	...	...	...	...	...	...	...	...	12	14·1	−2·1	10·88	13·32	− 2·44	64·38	56·24	+8·14	2·28	Rangpur.
...	...	...	...	...	93	− 2	·929	−·019	...	...	22	22·5	−0·5	34·56	35·03	− 0·47	115·83	119·14	−3·31	8·35	Dam Dim.
...	...	...	...	...	85	− 4	·943	+·005	...	...	26	20·8	+5·2	37·88	37·92	− 0·04	97·45	117·59	−20·14	4·40	Kalchini.
...	...	...	...	...	84	− 5	·929	+·026	...	...	22	22·8	−0·8	31·17	34·96	− 3·79	104·27	120·93	−16·66	14·18	Nagrakata.
...	...	...	...	...	...	...	...	...	...	...	19	18·5	+0·5	26·66	25·73	+ 0·93	84·92	105·15	−20·23	5·40	Cooch Behar.
...	...	...	...	...	...	...	...	...	...	...	15	14·5	+0·5	11·32	10·09	+ 1·23	36·82	37·94	−1·12	2·60	Krishnagar.
...	...	...	...	...	...	...	...	...	...	...	13	15·6	−2·6	10·17	10·57	− 0·40	26·96	38·19	−11·23	4·91	Bankura.
...	...	...	...	...	...	...	...	...	...	...	11	16·0	−5·0	3·77	11·78	− 8·01	20·15	37·34	−17·19	0·58	Raniganj (Asansol).
																					IV.—Bihar and Orissa.
...	...	...	...	...	...	...	...	...	...	...	13	17·9	−4·9	8·03	12·74	−4·71	21·85	36·52	−14·67	2·56	Hazaribagh.
...	...	...	...	...	...	...	...	...	...	...	13	12·6	+0·4	7·94	10·90	−2·96	31·20	34·62	−3·42	1·32	Bhagalpur.
...	...	...	...	...	...	...	...	...	...	...	21	13·3	+7·7	15·02	13·51	+5·51	39·55	36·57	+2·98	2·13	Muzaffarpur.
...	...	...	...	...	...	...	...	...	...	...	14	13·9	+0·1	21·15	13·63	+7·52	42·44	41·31	+1·13	8·00	Motihari.
...	...	...	...	...	...	...	...	...	...	...	16	12·9	+3·1	11·09	10·93	+0·16	31·06	30·32	+0·74	3·41	Chapra.
...	...	...	...	...	...	...	...	...	...	...	19	13·9	+5·1	15·68	11·25	+4·73	31·77	32·01	−0·24	3·83	Arrah.
...	...	...	...	...	...	...	...	...	...	...	16	14·4	+1·6	12·98	12·64	+0·34	24·95	30·40	−5·45	2·95	Dehri.

Table

Abstract of observations taken at 8 hrs. at 59 fourth

Number of sub-division.	Station.	Temperature of air.													Wind direction.										
		Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.	Number of winds from									Resultant direction.	Normal direction.
															Calm.	N.	N. E.	E.	S. E.	S.	S. W.	W.	N. W.		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
	V.—United Provinces of Agra and Oudh.																								
10	Meerut	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Dehra Dun	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	IX.—Rajputana.																								
18	Udaipur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	XII.—Central Provinces.																								
23	Chhindwara	74·0	81·2	...	71·4	...	76·3	...	9·8	88·4	17th	67·9	16th	20·5	7	1	0	0	0	0	5	12	6	N 84° W	...
	XIII.—Hyderabad.																								
27	Parbhani	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	XV.—Madras.																								
31	Tinnevelly	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
32	Anantapur	79·4	93·1	...	74·9	...	84·0	...	18·2	99·2	14th	71·9	27th	27·3	...	...	...	...	...	...	...	...	...	...	...
33	Guntur	83·1	93·7	...	78·7	...	86·2	...	15·0	103·7	15th	73·0	28th	30·7	...	...	...	...	...	...	...	...	...	...	...
	Bay Islands.																								
1	Car Nicobar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Kashmir.																								
13	Jammu	83·1	94·2	...	78·6	...	86·4	...	15·6	98·1	4 days	70 8	3rd & 28th.	27·3	0	16	9	1	1	4	0	0	0	N 24° E	...
	Sonamarg	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Kargil	70·6	92·1	...	57·5	...	74·8	...	34·6	100·9	1st	51·0	31st	49·9	0	18	0	1	1	2	2	0	7	N 15° W	...
	Baluchistan.																								
5	Harnai	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Hill stations, exclusive of Kashmir.																								
	Panighatta	78·9	87·6	+0·4	74·3	+0·5	80·9	+0·5	13·3	91·7	3rd	72·6	13th	19·1	...	...	...	...	...	...	...	...	...	...	...
	Kurseong	69·4	73·6	+0·6	65·5	+0·8	69·5	+0·7	8·1	76·3	3rd	62·9	20th	13·4	...	...	...	...	...	...	...	...	...	...	...
	Gnatong	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Lachung	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Ringim	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Mussooree	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Poo	...	81·2	+3·6	60·5	+2·5	70·9	+3·1	20·7	86·7	12th	57·2	31st	29·5	18	0	0	1	1	0	0	11	0	S 84°W	...
	Kailang	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Bakloh	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Pishin	...	97·5	+1·1	65·3	+5·6	81·4	+3·3	32·2	100·4	9th	57·7	30th	42·7	...	...	...	...	...	...	...	...	...	...	...

C—*continued.*

and fifth class stations in India, etc., in August, 1915—*continued.*

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 August, 1915.	Normal rainfall of period, 1st May to 31st August.	Departure from normal of period, 1st May, to 31st August, 1915.		
27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
																					V.—United Provinces of Agra and Oudh.
...	...	...	...	...	...	...	...	...	...	...	6	10·2	− 4·2	3·42	9·29	− 5·87	14·46	22·40	− 7·94	1·10	Meerut.
...	...	...	...	...	...	...	...	...	...	...	24	22·0	+ 2·0	34·91	30·55	+ 4·36	67·13	67·45	− 0·32	6·11	Dehra Dun.
																					IX.—Rajputana.
...	...	...	...	...	...	...	...	...	...	...	4	9·2	− 5·2	2·40	6·95	− 4·55	7·50	18·30	− 10·80	1·27	Udaipur.
																					XII.—Central Provinces.
4·1	...	...	65	...	85	...	·720	...	8·3	...	11	...	...	7·44	...	...	24·52	...	...	1·65	Chhindwara.
																					XIII.—Hyderabad.
...	...	...	...	...	...	...	...	...	...	...	7	10·0	− 3·0	4·48	6·79	− 2·31	18·59	19·96	− 1·37	1·89	Parbhani.
																					XV.—Madras.
...	...	...	...	...	...	...	...	...	...	...	0	1·1	− 1·1	0·09	0·63	− 0·54	3·39	3·07	+ 0·32	0·05	Tinnevelly.
...	...	...	...	...	78	...	·784	...	6·0	...	4	4·9	− 0·9	1·26	2·80	− 1·54	10·00	8·55	+ 1·45	0·42	Anantapur.
...	...	...	...	...	75	...	·838	...	1·9	...	12	9·2	+ 2·8	12·31	5·66	+ 6·65	23·01	16·71	+ 6·30	2·44	Guntur.
																					Bay Islands.
...	...	...	...	...	...	...	...	...	...	...	5	15·5	− 10·5	5·96	10·69	− 4·73	40·76	44·88	− 4·12	2·40	Car Nicobar.
																					Kashmir.
...	...	...	65	...	77	...	·869	...	4·1	...	11	11·1	− 0·1	10·22	12·21	− 1·99	17·57	26·80	− 9·23	1·80	Jammu.
...	...	...	...	...	...	...	...	...	...	...	10	9·2	+ 0·8	4·11	3·38	+ 0·73	9·95	16·37	− 6·42	0·90	Sonamarg.
...	...	...	65	...	38	...	·280	...	3·4	...	1	0·7	+ 0·3	0·18	0·17	+ 0·01	1·12	2·30	− 1·18	0·11	Kargil.
																					Baluchistan.
...	...	...	...	...	...	...	...	...	...	...	2	3·7	− 1·7	0·47	2·40	− 1·93	4·63	6·08	− 1·45	0·29	Harnai.
																					Hill stations, exclusive of Kashmir.
...	...	...	...	...	89	+ 1	·873	+ ·005	...	...	24	21·7	+ 2·3	32·49	32·39	+ 0·10	101·04	103·17	− 2·13	5·20	Panighatta.
...	...	...	...	...	97	+ 4	·695	+ ·056	...	...	26	25·3	+ 0·7	43·47	33·96	+ 9·51	137·35	115·81	+ 21·54	8·51	Kurseong.
...	...	...	...	...	...	...	...	...	...	...	31	...	...	40·46	...	...	147·28	...	...	5·10	Gnatong.
...	...	...	...	...	...	...	...	...	...	...	28	...	...	13·45	...	...	46·56	...	...	1·00	Lachung.
...	...	...	...	...	...	...	...	...	...	...	29	...	...	38·11	...	...	142·64	...	...	3·17	Ringim.
...	...	...	...	...	...	...	...	...	...	...	26	22·4	+ 3·6	21·65	31·85	− 10·20	50·20	72·85	− 22·65	2·82	Mussooree.
...	...	...	29	...	...	...	...	...	5·5	−0·5	0	1·9	− 1·9	0·04	0·74	− 0·70	0·40	2·78	−2·38	0·04	Poo.
...	...	...	...	...	...	...	...	...	...	...	2	3·9	−1·9	0·39	1·47	− 1·08	2·62	6·58	− 3·96	0·15	Kailang.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Bakloh.
...	...	...	...	...	...	...	...	...	...	...	0	0·2	− 0·2	0	0·13	− 0·13	0*	0·43	− 0·43	0	Pishin.

* Rainfall for July wanting.

Table

Abstract of observations taken at 8 hrs. at 59 fourth and

Number of sub-division.	Station.	Temperature of air.													Wind direction.										
		Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.	Number of winds from: 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.																								
	Chumbi (a)	58·9	68·1	...	57·1	...	62·6	...	11·0	72·1	1st	51·1	20th	18·0	...	...	...	...	...	...	...	...	...	...	...
	Pemba	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Prison Island	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Seistan	...	103·5	...	78·9	...	91·2	...	24·6	113·0	17th	72·0	29th	41·0	0	0	0	0	0	0	0	0	31	N 45°W	...

(a) Mean of 30 days.

C—*concluded.*

fifth class stations in India, etc., in August, 1915—*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 August, 1915.	Normal rainfall of period, 1st May to 31st August.	Departure from normal of period, 1st May to 31st August, 1915.		
27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
																					Extra India.
...	...	...	...	...	86	...	·425	...	...	...	23	...	...	6·48	...	...	21·15	...	...	1·40	Chumbi.
...	...	...	...	...	...	...	...	...	...	...	3	4·8	—1·8	0·72	1·73	—1·01	33·83	28·95	+4·93	0·27	Pemba.
...	...	...	...	...	...	...	...	...	...	...	...	6·4	...	...	2·07	...	...	20·05	...	...	Prison Island.
15·2	...	...	100	...	...	...	...	...	...	...	0	...	...	0	...	...	0	...	...	0	Seistan.

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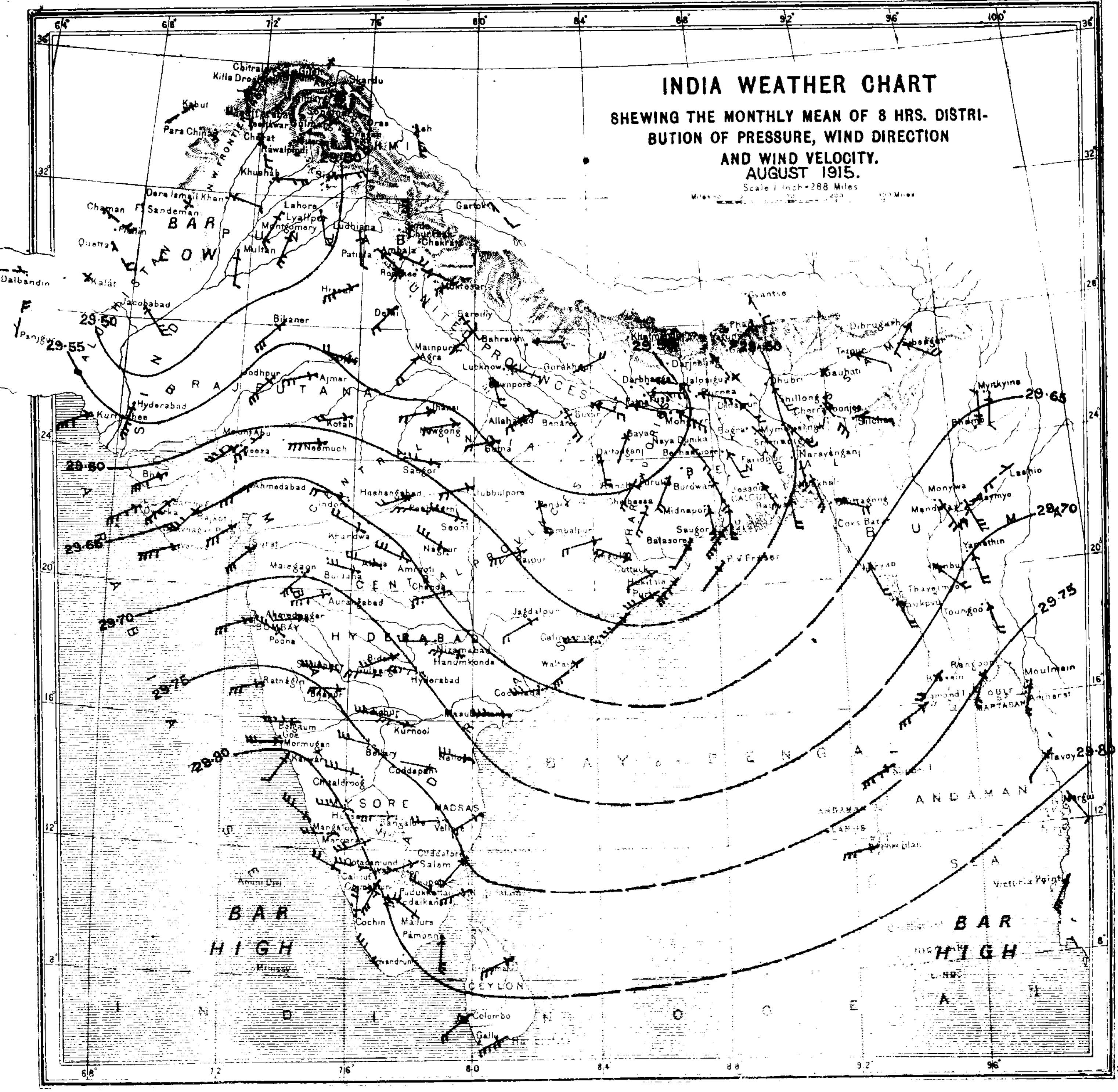
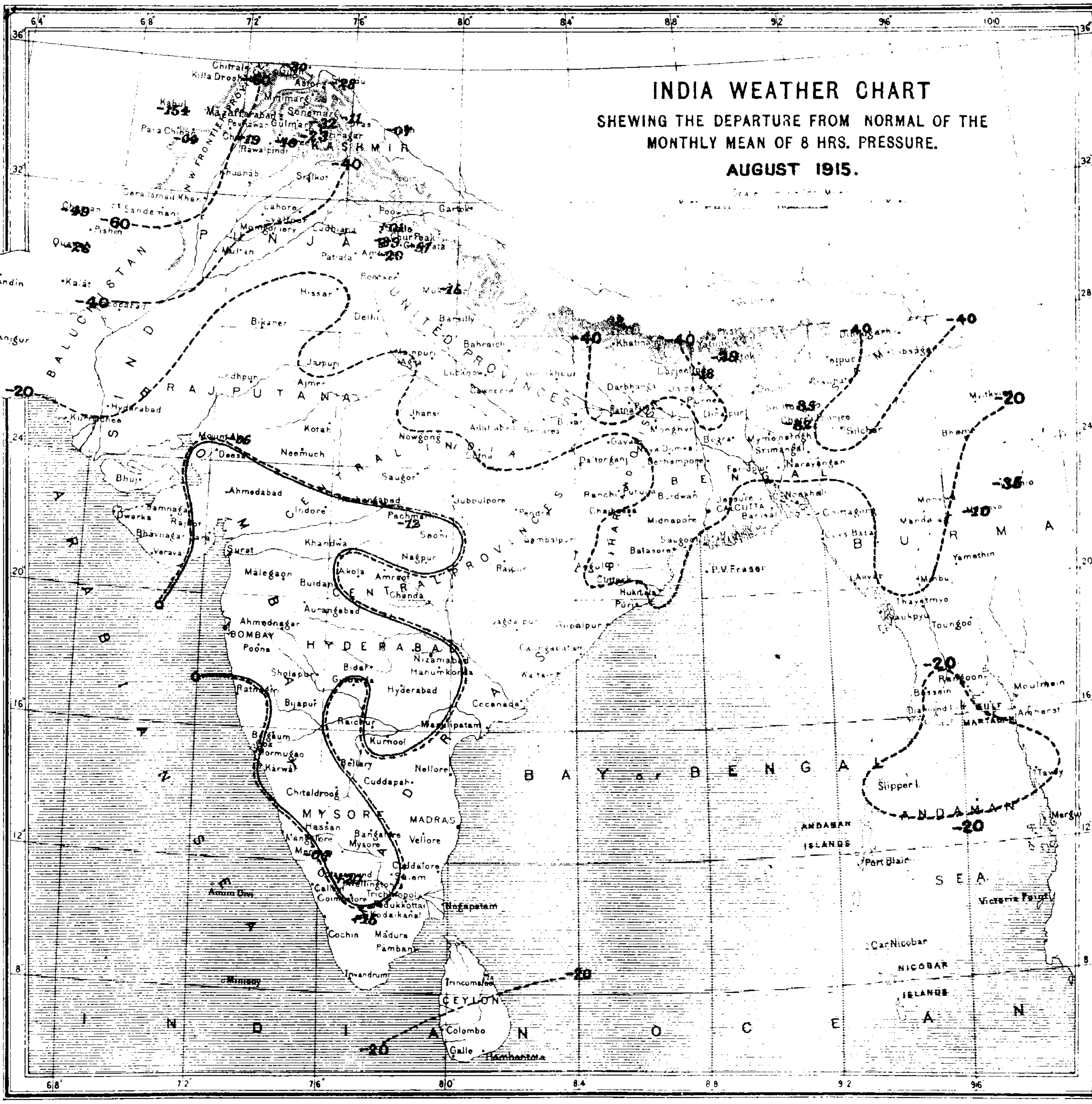


The lines of the above chart represent isobars or lines of equal barometric pressure, the numbers attached indicating the barometric pressure in inches and being drawn for differences of pressure of ·05 inch. The isobars in the Bay of Bengal are filled in by means of the shore observations, and by comparison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

Wind strengths are based on factor 2·2 for the standard type of Beckley Robinson anemograph, instead of 3·0 as used for this plate up to December 1911 inclusive.



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.

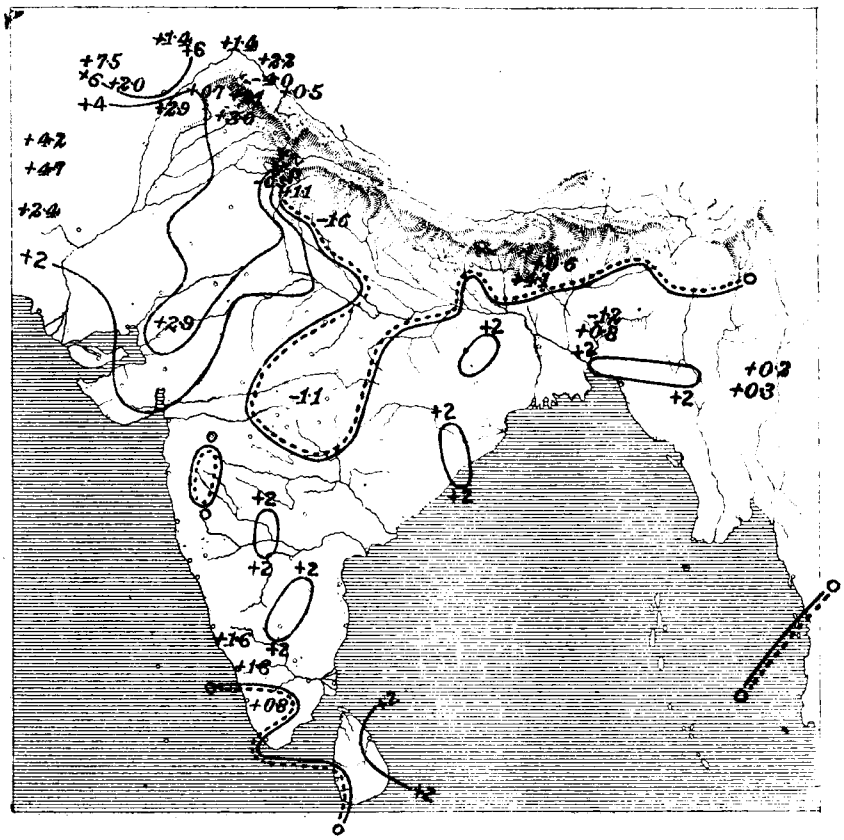


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MINIMUM TEMPERATURE.

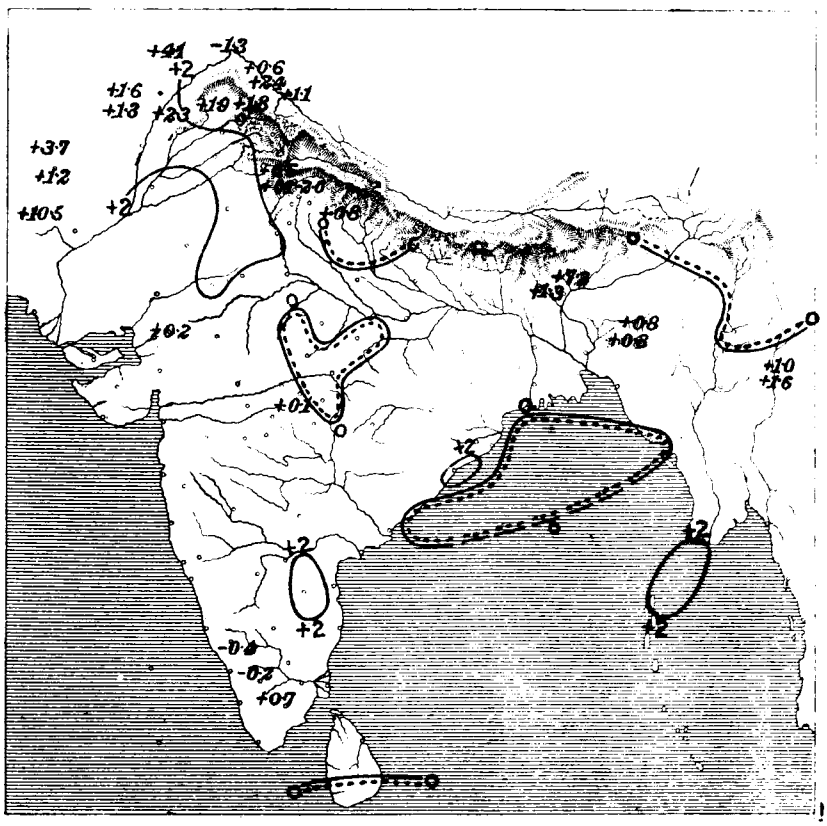


CHART SHEWING THE DEPARTURE FROM NORMAL
OF THE MONTHLY MEAN OF DAILY
MEAN TEMPERATURE.

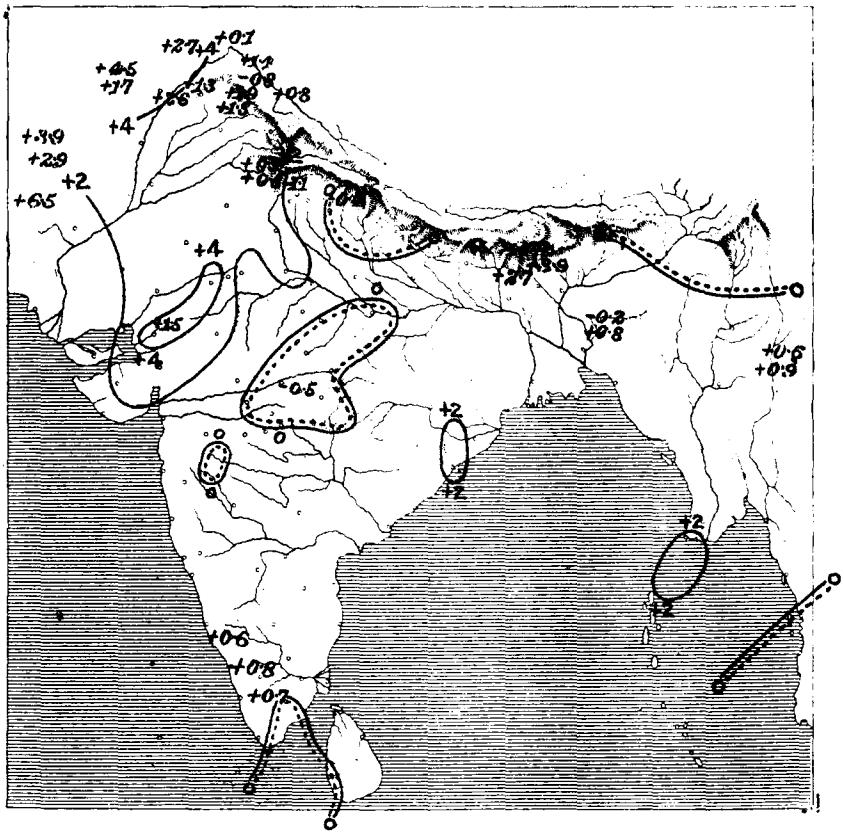


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF ABSOLUTE HUMIDITY AT 8 HRS.

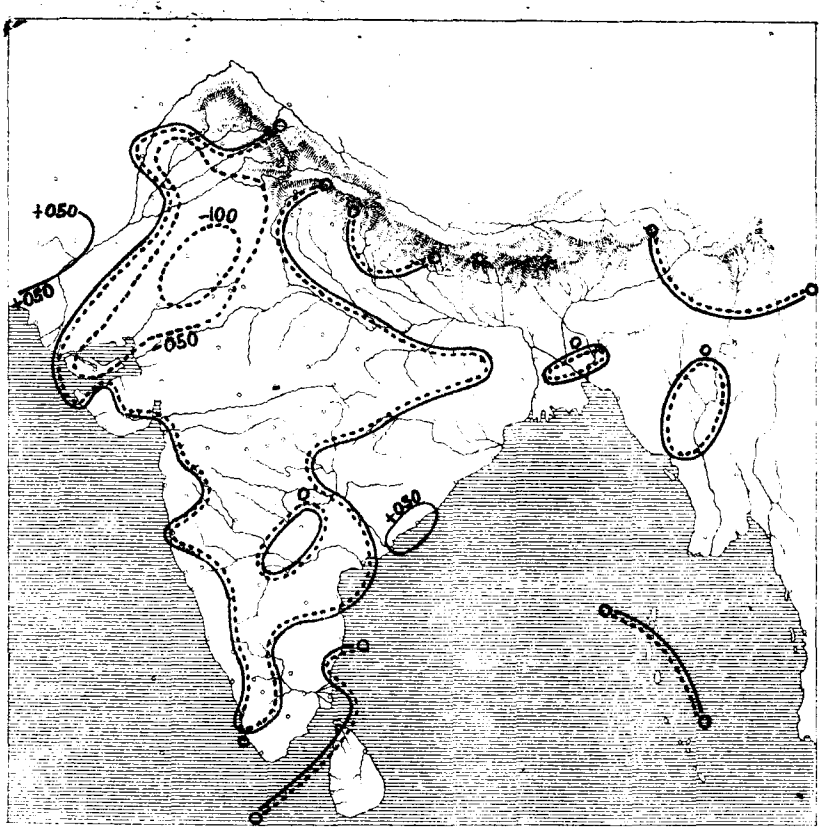


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF RELATIVE HUMIDITY AT 8 HRS.

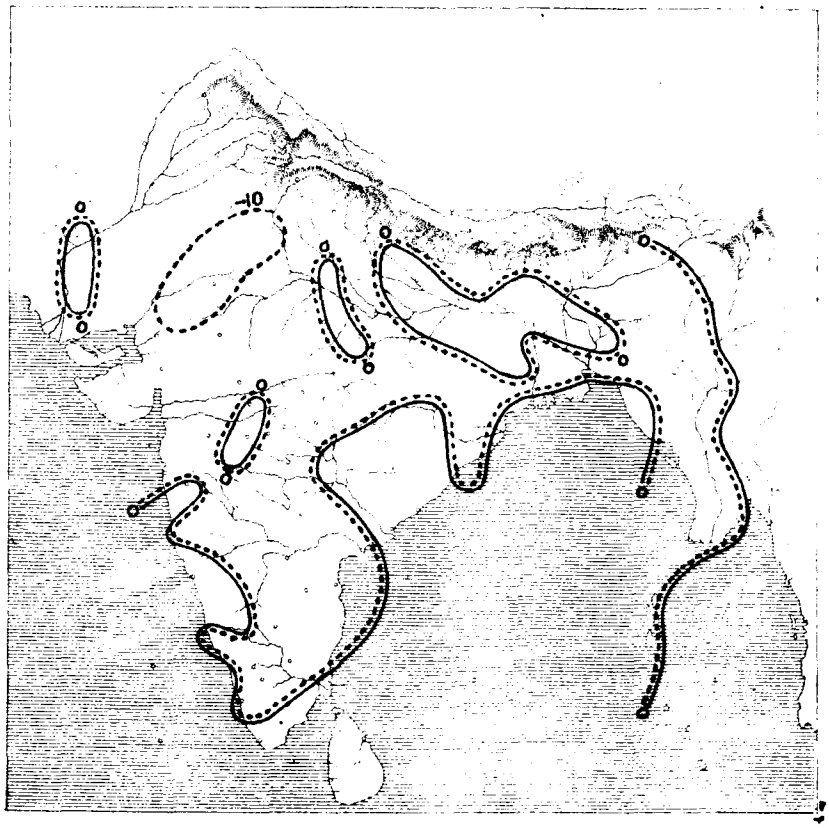


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF CLOUD AMOUNT AT 8 HRS.

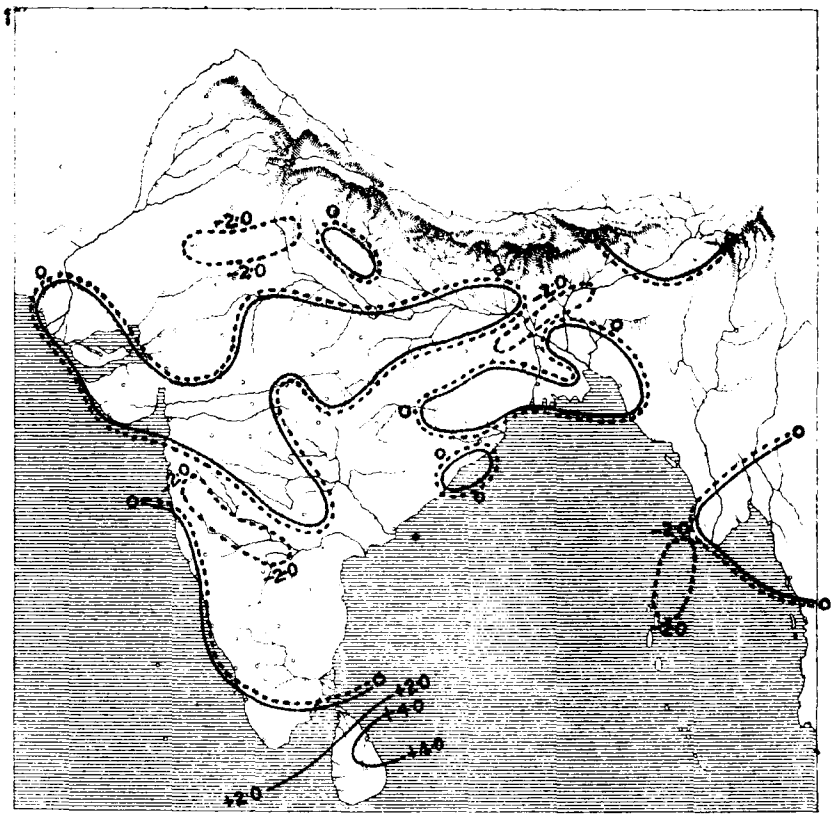
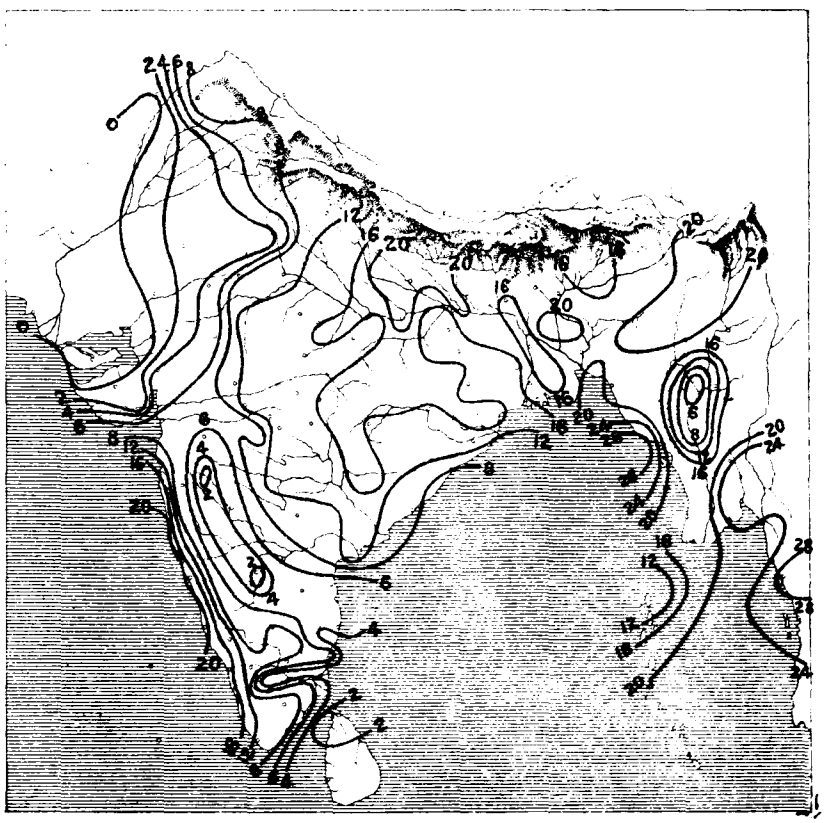
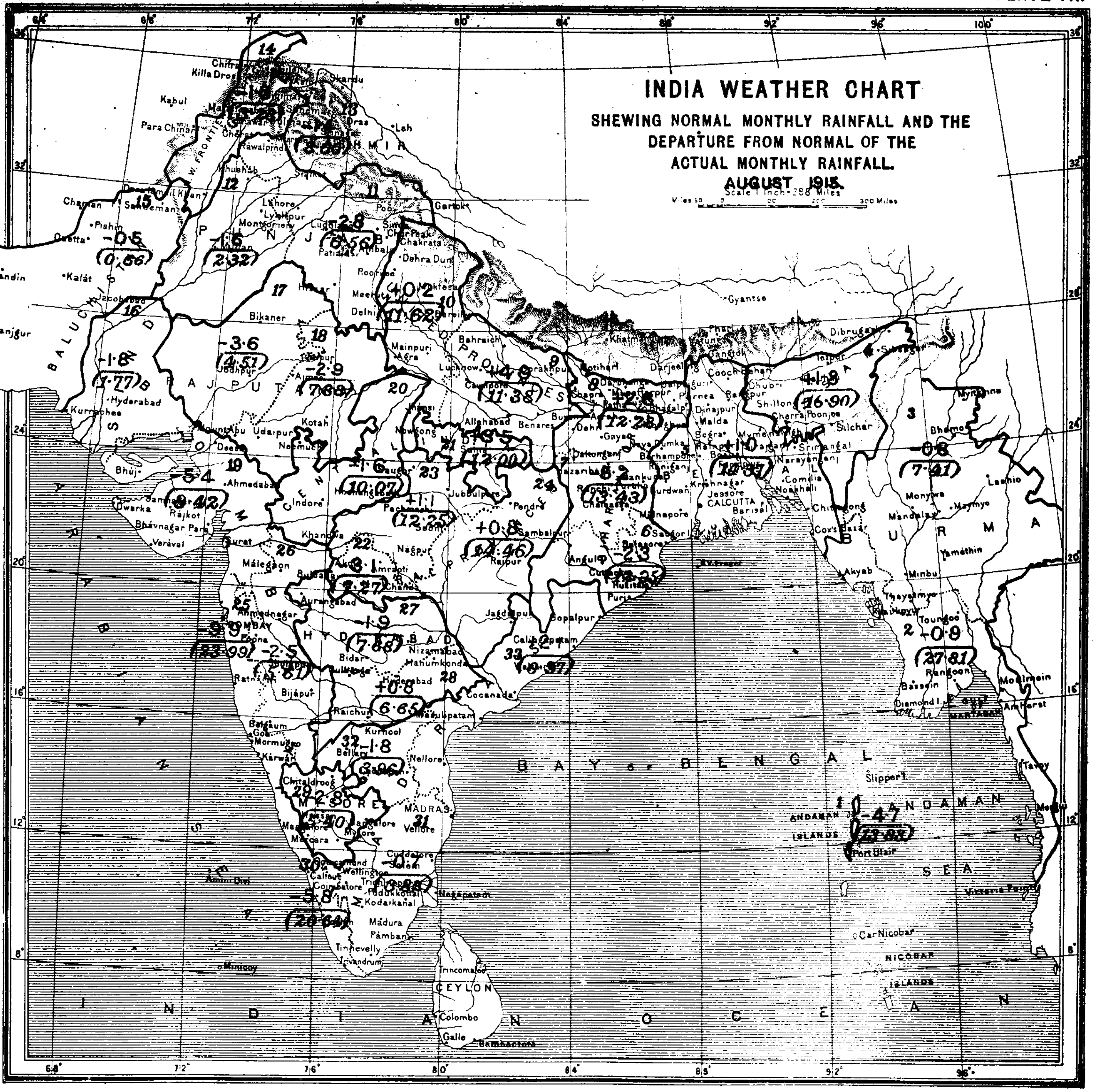


CHART SHEWING THE TOTAL NUMBER OF DAYS IN THE MONTH ON WHICH RAINFALL EQUALLED OR EXCEEDED 0·10 INCH.

(BASED ON THE RETURNS OF TABLE B.)





The country is divided into 33 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. Bengal
6. Orissa
7. Chota Nagpur
8. Bihar
9. United Provinces, East
10. United Provinces, West
11. Punjab, East and North
12. Do., Southwest
13. Kashmir
14. Northwest Frontier Province
15. Baluchistan
16. Sind
17. Rajputana, West
18. Rajputana, East
19. Gujarat
20. Central India, West
21. Do., East
22. Berar
23. Central Provinces, West
24. Do., East
25. Konkan
26. Bombay, Deccan
27. Hyderabad, North
28. Hyderabad, South
29. Mysore
30. Malabar
31. Madras, Southeast
32. Madras, Deccan
33. Madras Coast, North

GOVERNMENT OF INDIA

METEOROLOGICAL DEPARTMENT

MONTHLY WEATHER REVIEW

SEPTEMBER 1915.

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Director-General of Observatories.

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List of cyclones on the West Coast of India and in the Arabian Sea up to the end of year 1881 . Price Rs. 2	Fred. Chambers.
Part II, comprising—	
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Continued on page iii of this cover.

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MONTHLY WEATHER REVIEW.

PUBLISHED BY ORDER OF

THE GOVERNMENT OF INDIA.

CALCUTTA, SEPTEMBER, 1915.

INTRODUCTION.

THIS review of the weather in India during the month of September, 1915, is based on observations taken daily at 8 hrs. at 217 stations, and on additional observations taken at 10 hrs. and 16 hrs. at 13 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, magnetic and seismic 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 increase in the activity of the Arabian Sea monsoon which began in the latter part of August was maintained during September for which month the total rainfall in the plains of India as a whole was nearly normal in amount. The improvement extended to north-west India where the drought which at one time threatened to become acute was mitigated appreciably. As in August the activity of the monsoon in northern India was concentrated chiefly in the east of the United Provinces, and Lucknow experienced a second deluge of rain about the middle of the month.

As frequently happens in years meteorologically similar to the present the rainy season in upper India has been prolonged considerably beyond its normal date and fairly well marked monsoon conditions still prevailed there at the end of September; the normal date for the final withdrawal of the monsoon from that part of the country is about the 15th September.

Although the aggregate rainfall of the month in the plains of India was up to the normal its geographical distribution was decidedly unusual; thus there was a defect in northern and central India excepting the sub-divisions of Orissa, the United Provinces, Punjab East and North, the North-West Frontier Province, Berar and the Central Provinces East, and an excess in the Peninsula excluding the Madras Coast North. In the dry zone of north-west India the actual fall of the month was only 16 per cent. of the normal in the Punjab South-west and 24 per cent. in Rajputana West.

Of climatic elements other than rainfall both cloud and humidity were markedly in defect in Rajputana, and cloud alone in Assam, while temperature was appreciably above the normal in north-west India.

Solar, magnetic and seismic disturbances.

KODAIKANAL OBSERVATORY.

3. *Solar Observations.*—The sun could not be examined for spots and faculae on two days during the month and prominences could not be observed on three other days.

Sunspots.—Twelve groups of spots were recorded as against seventeen in August. The daily average number

was 3·0 and the average life of a spot was 5·9 days. The distribution in latitude of the spots was as follows :—

TABLE 1.

—	0°—10°	11°—20°	21°—30°	Mean latitude.	Extreme latitudes.
North	1	2	...	17°·2	10° & 23°
South	...	3	4	21°·6	17° & 30°

Prominences.—Sixty-nine large, one eruptive, and two metallic prominences were recorded. The highest was 210″ and was observed on the 24th at latitude—34° west.

Magnetic disturbances.—One "moderate" disturbance was recorded from the 22nd to 24th.

T. ROYDS,
for *Director,*
Kodaikanal and Madras Observatories.

Seismic records.

$\phi = 10°\ 13'\ 50''$; $\lambda = 77°\ 28'\ 00''$; $h = 2343$ m. Subsoil Rock.

Apparatus.—Milne's Horizontal Pendulum Seismograph.

TABLE 2.

	V	To	ε	$\frac{r}{To^2}$
AN:				
AE:	9·76	18·9	1	2·4
AZ:				

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude (u). An.	Ae.	Az.	Distance △ (Km.)	Remarks.
1915		h. m. s.						
Sept. 1st	i P	1 10 00	...	...	...	...	...	
	i L	1 10 06	...	...	...	...	...	
	M	1 12 00	...	...	290	...	...	
	F	1 37 12	...	...	...	...	...	
Sept. 1st	e P	2 5 54	...	...	...	...	...	
	i L	2 6 24	...	...	...	...	...	
	M	2 7 24	...	...	100	...	...	
	F	2 16 36	...	...	...	...	...	
„ 6th	e P	18 2 00	...	...	...	...	...	Widening of line.
	F	18 50 42	...	...	...	...	...	
„ 7th	e P	1 41 00	...	...	...	...	...	
	i L	2 3 48	...	...	...	...	...	
	M	2 56 00	...	...	520	...	...	
	F	3 36 00	...	...	...	...	...	
„ 12th	e P	0 9 30	...	...	...	...	...	
	e L	0 16 42	...	...	...	...	...	
	M	0 17 18	...	...	40	...	...	
	F	0 33 06	...	...	...	...	...	
„ 12th	e P	21 42 48	...	...	...	...	...	Widening of line.
	F	22 15 36	...	...	...	...	...	
„ 23rd	e P	8 29 00	...	...	...	...	...	Widening of line.
	F	8 49 24	...	...	...	...	...	

T. ROYDS,
Assistant Director.

BOMBAY OBSERVATORY.

Alibag magnetic record.

4. During the month of September 1915, the traces showed 12 calm days, 17 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 8th, 14th, 15th, 18th and 20th.

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

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

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° 39′ 55″.
Horizontal force	0·36867 C.G.S. unit.
Vertical force	0·16711 C.G.S. „
Inclination	24° 23′·0.
Horizontal force range . . .	0·00045 C.G.S. unit.
Horizontal force summed range . .	0·00294 C.G.S. „
Declination range	5′·6.
Declination summed range . .	20′·6.

(NOTE.—Summed range means sum without regard to sign of the twenty-four ordinates of the diurnal inequality.)

Seismic records.

$\phi = 18° 53' 36''$; $\lambda = 72° 48' 56''$; $h = 11$ m. Subsoil Trap.

Apparatus.—Milne's Horizontal Pendulum Seismograph.

TABLE 4.

	V	To	ϵ	$\frac{r}{To^2}$
AN:				
AE:	9	21	1	
AZ:				

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude (u). An.	Ae.	Az.	Distance Δ (Km.)	Remarks.
1915.		h. m. s.						
Sept. 1st	P	.....	...	...	...	...	...	Beginning mixed in tremors.
	M	1 15 31	...	...	78	...	...	
	F	.....	...	...	...	...	...	End mixed in tremors.
„ 5th	...	3 6 to 9 m.	...	...	...	...	...	Thickening of line.
„ 7th	P	1 40 46	...	...	...	...	...	
	S	1 54 59	...	...	...	...	...	
	M	2 50 54	...	...	289	...	...	
	F	4 29 40	...	...	...	...	...	
„ 12th	P	.....	...	...	...	...	...	Beginning uncertain.
	M	0 17 42	...	...	22	...	...	
	F	0 33 46	...	...	...	...	...	
„ 19th	...	10 35 0	...	...	...	...	...	Thickening of line.
„ 20th	...	13 28 0	...	...	...	...	...	„
„ 23rd	P	8 24 23	...	...	...	...	...	
	M	8 27 0	...	...	22	...	...	
	F	8 49 41	...	...	...	...	...	

One disturbance at about 2h on 1st is marked by tremors. Sensibility to tilt 1·0 mm. of amplitude on the trace =0·29″.

N. A. F. MOOS,

Director,

Bombay and Alibag Observatories.

5.—CALCUTTA (ALIPORE) OBSERVATORY.

Seismograph dismantled.

6. SIMLA OBSERVATORY.

The Simla Seismograph notes will appear in the October number of this Review.

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

TABLE 5.

Place at which felt.	Date.	G. M. T. of earthquake.		Duration.	Intensity Rossi-Forel scale.	No. of shocks.
		h.	m.	sec.		
Chittagong	Sep. 16th	21	23	30	4	1
Meerut	„ 18th	4	33	5	5	1
Srinagar	„ 20th	0	28	2	5	1
Sitarampuram (Udayagiri Taluk).	Sep. 20th	6	30	1	...	1
„	„ 20th	9	30	1	...	1
Srinagar	„ 22nd	16	17	1	5	1
Salonah (Nowgong Assam) .	„ 24th	14	30	12	3	1

Solar radiation.—No observations with the Angstrom's pyrheliometer were possible during the month owing to cloudy skies.

C. W. NORMAND,

Imperial Meteorologist, Simla.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

7. No information has been received.

Weather in the Indian Ocean.

8. Pressure was below the normal at all the three representative stations, the defect being fairly large (·03″) at Mauritius. Winds were on the whole normal as regards velocity, but blew more directly from the south than usual. Rainfall at Mauritius and Zanzibar was short of the average, but that at Seychelles was phenomenally heavy for September.

TABLE 6.

—	Mauritius.	Zanzibar.	Seychelles.
Departure from normal of mean pressure	—·032	—·011	—·021
Actual mean wind direction . .	S 61° E	S	S 28° E
Normal mean wind direction . .	S 71° E	S 5° E	S 40° E
Actual mean wind velocity (miles per diem).	207	86	87
Normal mean wind velocity (miles per diem).	211	98	87
Rainfall departure from normal . .	—0·32	—0·93	+17·75

Depressions and cyclonic storms.

9. Four disturbances occurred during the month, three of them developing over the Bay of Bengal and one inland over the east of Central India. A brief account of these is given below :—

Feeble depression of the 4th to the 9th September.—This was first seen on the 4th as a small closed area of low pressure over the head of the Bay. It became more marked during the next 72 hours and was at the same time displaced southwards, so that on the morning of the 7th it was shown as a distinct depression off Waltair. The centre crossed the coast sometime during the day and by 8 hours of the 8th had reached the neighbourhood of Jagdalpur. During the succeeding 24 hours it moved slowly in a northerly direction and was merged in the monsoon trough of low pressure. It was throughout shallow and failed to produce any marked concentration of rainfall.

Shallow depression of the 13th to the 16th.—This became noticeable over Baghelkhand on the 13th and advancing

slowly westwards disappeared over east Rajputana and the adjacent districts sometime on the 15th. It was very feebly marked but caused some heavy rain in the United Provinces and the east Punjab.

TABLE 7.

District.	Station.	Rainfall during 24 hours preceding 8 hrs. of date.			
		13th.	14th.	15th.	16th.
		"	"	"	"
Benares	Benares	...	4·35	...	...
Bahraich	Bahraich	5·72	4·59	...	...
Lucknow	Lucknow	1·46	9·85	3·50	...
Karnal	Thanesar	...	3·50	5·02	...
Ambala	Ambala	...	3·00	5·50	...
Patiala State	Lehal	...	...	1·95	6·10

Slight disturbance of the 15th to the 17th.—This was apparently the development of a wave of low pressure which entered the south of Burma from the east on the 14th and advanced roughly north-westwards over the Bay. According to the data of a few ships navigating the north of the Bay at the time a concentration of the low pressures into a depression occurred off Arakan on the 15th and by the morning of the 16th the disturbance thus formed had moved to the neighbourhood of Balasore and Saugor Island. It travelled over a distance of about 550 miles during the day and at 8 hours of the 17th was situate over the area between Sutna and Allahabad. A rapid weakening of the monsoon during the next 24 hours caused the depression to disappear.

Barometrically the depression was very shallow throughout and the rainfall associated with it was comparatively light.

The fourth disturbance over the Bay was formed over the Andamans on the 28th, but as it did not cross inland before the 2nd October its history will be given in the next issue of the review.

The Arabian Sea was, as is usually the case in September, free from storms, but there were evidences of a wave of low pressure in the fourth week, this was propagated from south to north along the west coast and was the cause of some useful rain in Gujarat and Rajputana.

Pressure.

10. Barometric pressure was in defect in Tenasserim and most parts of the Peninsula and of north-west and central India, and in excess elsewhere in the plains. The deficiency was most marked on the coast between Bombay and Cochin where it ranged between ·03″ and ·05″, while the greatest excess amounting to about ·03″ occurred in Chota Nagpur, Bengal and the northern districts of Burma. There was thus an abnormal gradient of about ·06″ between north-east India and the west coast of the Peninsula.

TABLE 8.

Division.	Departure from normal of mean 8 hrs. pressure.
	"
Burma	+·013
Assam	+·024
Bengal	+·025
Bihar and Orissa	+·019
United Provinces	+·010
Punjab	—·002
North-West Frontier Province	—·021
Sind	—·017
Rajputana	—·023
Bombay	—·023
Central India	—·011
Central Provinces	—·005
Hyderabad	—·015
Mysore	—·020
Madras	—·015

The vertical pressure gradient was somewhat weaker than usual over the Punjab and in the south of the Peninsula, and was of normal value in other parts of India.

TABLE 9.

HILL STATION.	Departure from normal pressure. A	PLAIN STATION.	Departure from normal pressure. B	Departure of pressure difference. B—A.
	"		"	"
Quetta	—·012	Jacobabad	—·009	+·003
Leh	+·029	Lahore	+·002	—·027
Murree	+·025	Peshawar	—·018	—·043
Simla	+·032	Ludhiana	+·012	—·020
Darjiling	+·026	Dhubri	+·033	+·007
Mount Abu	—·009	Deesa	—·007	+·002
Pachmarhi	—·018	Khandwa	—·009	+·009
Kodaikanal	—·001	Madura	—·021	—·020

Temperature.

11. Temperature conditions of the month were very nearly normal everywhere except in north-west India where in most places weather was appreciably warmer than usual by both day and night.

TABLE 10.

SUB-DIVISION.	ACTUAL TEMPERATURE.					DEPARTURE FROM NORMAL OF		
	Mean maximum.	Mean minimum.	Monthly mean of mean between maximum and minimum.	Mean daily range of temperature.	Absolute range during month.	Maximum.	Minimum.	Daily range.
	°	°	°	°	°	°	°	°
1. Bay Islands	85·7	77·3	81·5	8·5	15·3	+1·1	+0·6	+0·5
2. Lower Burma	86·0	75·4	80·7	10·6	18·1	+0·8	+0·2	+0·6
3. Upper Burma	90·1	74·7	82·4	15·4	27·3	—0·2	—0·5	+0·3
4. Assam	88·1	76·0	82·0	12·1	22·9	—0·4	—0·3	—0·1
5. Bengal	88·2	77·7	83·0	10·5	19·1	0	0	0
6. Orissa	88·1	77·6	82·9	10·5	17·9	—0·9	—0·3	—0·6
7. Chota Nagpur	88·3	74·7	81·5	13·6	22·3	0	—0·1	+0·1
8. Bihar	89·2	78·1	83·7	11·1	20·0	—0·3	+0·5	—0·8
9. United Provinces, East	88·8	77·1	82·9	11·7	22·0	—2·4	+0·1	—2·5
10. Do., West	92·3	76·8	84·5	15·5	25·2	+0·4	+1·2	—0·8
11. Punjab, East and North	96·1	76·8	86·5	19·3	34·7	+1·3	+2·7	—1·4
12. Do., South-west	102·3	79·4	90·9	23·0	34·9	+2·7	+3·3	—0·6
13. Kashmir	79·2	52·7	65·9	26·4	40·9	+4·5	+3·4	+1·1
14. North-West Frontier Province	101·1	77·3	89·2	23·7	36·1	+3·3	+4·6	—1·3
15. Baluchistan	95·0	63·3	79·2	31·7	43·1	+3·7	+6·1	—2·4
16. Sind	97·7	77·9	87·8	19·8	28·8	+2·1	+1·9	+0·2
17. Rajputana, West	103·1	81·0	92·0	22·1	33·9	+6·6	+3·9	+2·7
18. Do., East	98·7	79·4	89·0	19·3	28·3	+6·4	+4·5	+1·9
19. Gujarat	93·1	76·6	84·8	16·5	25·4	+3·7	+1·7	+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.
	°	°	°	°	°	°	°	°
20. Central India, West	92·5	73·3	82·9	19·1	26·2	+6·0	+2·9	+3·1
21. Do., East	87·7	75·7	81·7	11·9	20·7	—1·3	+0·9	—2·2
22. Berar	87·8	72·2	80·0	15·6	23·5	+1·0	+0·8	+0·2
23. Central Provinces, West	88·2	73·1	80·7	15·1	22·2	+1·0	+0·7	+0·3
24. Do., East	86·8	73·7	80·2	13·1	20·1	0	+0·9	—0·9
25 Konkan	84·1	75·7	79·9	8·3	13·4	+0·4	+0·7	—0·3
26. Bombay Deccan	86·1	69·2	77·6	16·9	26·5	+0·7	+0·5	+0·2
27. Hyderabad, North	87·4	71·3	79·3	16·1	23·5	+0·9	+0·7	+0·2
28. Do., South	88·6	73·1	80·9	15·5	23·8	+1·1	+0·6	+0·5
29. Mysore	84·1	67·4	75·7	16·7	25·6	+1·6	+1·5	+0·1
30. Malabar	84·3	75·5	79·9	8·9	13·7	+0·5	+1·2	—0·7
31. Madras, South-east	92·1	76·1	84·1	16·0	26·3	—0·2	+0·9	—1·1
32. Do. Deccan	92·4	75·3	83·8	17·2	28·1	+0·4	+0·7	—0·3
33. Do. Coast, North	89·9	78·2	84·1	11·7	20·5	—0·4	+0·3	—0·7

TABLE 11.

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

Division.	Departure from normal of		
	Mean maximum temperature.	Mean minimum temperature.	Mean temperature.
	°	°	°
Sind	+2·1	+1·9	+2·0
Rajputana	+6·5	+4·2	+5·3
Bombay	+2·0	+1·1	+1·5
Central India	+2·4	+1·9	+2·1
Central Provinces	+0·8	+0·8	+0·8
Hyderabad	+1·1	+0·6	+0·9
Mysore	+1·6	+1·5	+1·6
Madras	0	+0·8	+0·4

Winds.

12. (*a*) As judged by the rate of movement the Bay current was slightly weaker, and the Arabian Sea current stronger, than usual.

(*b*) The degree of steadiness was markedly low in Burma, Rajputana and most of the Peninsula and unusually high in Assam, the United Provinces and the Punjab.

(*c*) The direction of air movement was unusual in many places, but more especially in the north Konkan and the Gangetic plain.

TABLE 12.

Station.	Wind direction.	
	Actual.	Normal.
	°	°
Bombay	N 33 E	S 56
Ratnagiri	N 24 W	S 73 W

Station.	Wind direction. Actual.	Normal.
	°	°
Chaibasa	S 74 E	S 53 W
Ranchi	S 49 E	S 79 W
Gaya	S 72 E	S 57 W
Benares	S 69 E	S 31 W
Allahabad	N 86 E	N 63 W
Mainpuri	S 61 E	S 86 W
Agra	S 59 E	S 59 W
Delhi	S 54 E	S 85 W
Hissar	S 27 E	S 59 W
Ambala	S 72 E	S 39 W

The preceding data suggest an almost complete absence of the usual influx of damp air across the north Konkan coast, and an extension of the region under the influence of the Bay current.

TABLE 13.

Division.	Departure from normal of Hourly wind velocity.	Wind steadiness.
Burma	—0·3	—13
Assam	+0·1	+26
Bengal	—0·7	0
Bihar and Orissa	—0·1	+ 2
United Provinces	—0·4	+18
Punjab	+1·0	+17
North-West Frontier Province	—0·3	+ 5
Sind	—0·5	+ 1
Rajputana	+0·3	—23
Bombay	—0·6	— 9
Central India	+0·1	— 9
Central Provinces	+0·5	—13
Hyderabad	+0·6	—20
Mysore	+0·5	—19
Madras	+0·7	—10

Humidity and cloud.

13. There was less than the usual quantity of aqueous vapour in the air over the interior of Burma, east Assam, lower Bengal, Rajputana, north Gujarat and Baluchistan, but over the rest of the country mean absolute humidity was more or less above the normal. The greatest defect occurred in Rajputana and the adjacent districts to the south which constituted the seat of the greatest shortage of rainfall during the month. The distribution of relative humidity agreed closely with that of absolute humidity.

Cloud amount departed little from its usual value, the chief deviation occurring in Assam and Rajputana where skies were on the average of the month much less clouded than is normally the case in September.

TABLE 14.

Division.	Hygrometry; 8 hrs. Mean humidity.	Departure from normal.	Mean vapour tension in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.
	%					
Burma	89	— 1	·875	—·014	6·7	—0·6
Assam	89	— 1	·905	—·015	5·2	—1·6
Bengal	88	— 1	·940	—·007	5·9	—0·6
Bihar and Orissa	86	+ 1	·915	+·011	5·7	+0·3
United Provinces	83	+ 2	·910	+·051	4·3	+0·3
Punjab	69	0	·779	+·046	2·4	+0·5
North-West Frontier Province.	65	— 1	·735	+·037	1·3	+0·3
Sind	73	0	·819	+·038	1·9	—0·4
Rajputana	57	—12	·681	—·052	2·4	—1·0
Bombay	82	0	·803	+·010	5·7	—0·1
Central India	80	— 3	·805	+·021	4·9	—0·4
Central Provinces	83	0	·792	+·023	5·0	—0·5
Hyderabad	81	+ 1	·745	+·022	6·1	+0·3
Mysore	84	+ 1	·663	+·030	7·3	—0·5
Madras	81	+ 3	·841	+·037	6·1	0

Rainfall.

14. The total rainfall of the month was above the average in Orissa, the United Provinces, the Punjab East and North, the North-West Frontier Province, the Konkan, the Bombay Deccan, Berar, the Central Provinces East, Hyderabad, Mysore and the whole of the Madras Presidency excluding the Madras Coast North and was in defect in nearly all other parts of the country. The largest excess occurred in the United Provinces East (7¾″ or 115 per cent.), and Malabar (3¾″ or 40 per cent.), while the defect was more than 2½″ in amount only in Lower Burma (4¾″ or 25 per cent.), Rajputana East (2¾″ or 68 per cent.), Gujarat (3″ or 61 per cent.) and Central India West (3″ or 51 per cent.)

TABLE 15.

Sub-division.	Number of rainy days.		Rainfall.			
	Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
			″	″	″	
1. Bay Islands	17·5	18·4	13·11	15·19	—2·08	— 14
2. Lower Burma	16·3	19·4	14·00	18·70	—4·70	— 25
3. Upper Burma	8·6	11·0	6·41	8·16	—1·75	— 21
4. Assam	11·7	13·6	9·97	12·11	—2·14	— 18
5. Bengal	11·3	12·4	10·23	11·45	—1·22	— 11
6. Orissa	15·3	12·0	10·66	9·43	+1·23	+ 13
7. Chota Nagpur	10·6	10·6	8·00	8·67	—0·67	— 8
8. Bihar	8·6	9·2	7·37	8·64	—1·27	— 15
9. United Provinces, East	10·2	7·3	14·39	6·67	+7·72	+115
10. Do., West	6·5	5·8	5·89	5·63	+0·26	+ 5
11. Punjab, East and North	4·5	3·2	3·69	3·23	+0·46	+ 14
12. Do., South-west	0·4	1·3	0·16	1·02	—0·86	— 84
13. Kashmir	3·9	4·2	2·53	4·57	—2·04	— 45
14. North-West Frontier Province	2·3	2·0	1·47	1·29	+0·18	+ 14
15. Baluchistan	0·2	0·3	0·10	0·14	—0·04	— 29
16. Sind	0·6	0·6	0·42	0·45	—0·03	— 7
17. Rajputana, West	1·3	2·3	0·51	2·11	—1·60	— 76
18. Do., East	2·9	4·8	1·31	4·08	—2·77	— 68
19. Gujarat	3·5	5·6	1·84	4·74	—2·90	— 61
20. Central India, West	4·6	7·2	2·88	5·89	—3·01	— 51
21. Do., East	6·1	6·9	4·57	6·69	—2·12	— 32
22. Berar	8·0	7·9	6·57	5·81	+0·76	+ 13
23. Central Provinces, West	8·4	9·5	6·34	7·80	—1·46	— 19
24. Do., East	11·7	9·6	9·40	8·00	+1·40	+ 17
25. Konkan	14·9	15·5	14·65	12·60	+2·05	+ 16
26. Bombay Deccan	11·4	8·2	8·19	5·63	+2·56	+ 45
27. Hyderabad, North	11·1	10·2	10·55	8·47	+2·08	+ 25
28. Do., South	9·6	9·7	8·86	6·97	+1·89	+ 27

Table

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

Number of sub-division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure. 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
	III.—Bengal.																					
5	Calcutta . .	21	29·761	29·656	·105	29·710	+·018	29·677	88·8	77·8	11·0	92·3	73·8	18·5	84·9	85·1	83·0	+0·4	76·5	79·8	79·4	78·6
	VI.—Punjab.																					
11	Lahore . . .	702	29·024	28·923	·101	28·966	—·006	29·619	97·6	78·0	19·6	107·6	71·6	36·0	89·8	95·1	86·8	+2·0	73·1	77·9	79·2	76·7
	IX.—Rajputana.																					
18	Jaipur . . .	1,431	28·303	28·194	·109	28·245	—·059	29·581	98·5	77·4	21·1	104·6	74·2	30·4	89·4	94·6	86·5	+4·1	71·8	76·7	76·8	75·1
	X.—Bombay.																					
25	Bombay . .	37	29·801	29·706	·095	29·763	—·028	29·741	85·5	77·4	8·1	87·5	75·4	12·1	81·7	83·0	80·4	+1·0	73·3	78·1	78·2	76·5
	XIV.—Mysore.																					
29	Bangalore . .	3,021	26·905	26·785	·120	26·853	—·021	29·686	83·9	66·7	17·2	89·6	64·3	25·3	76·6	80·3	73·5	+1·7	65·6	70·5	70·8	69·0
	XV.—Madras.																					
31	Pudukkottai . .	318	29·543	29·395	·148	29·469		29·712	94·1	76·1	18·0	101·3	72·4	28·9	86·2	90·3	85·1			76·6	76·8	
	Madras . .	22	29·807	29·677	·130	29·751	—·026	29·704	92·9	77·4	15·5	101·3	72·8	28·5	86·8	89·0	84·1	+0·2	74·6	78·3	79·3	77·3
	Hill stations, excluding Kashmir and Baluchistan.																					
	Sarain . . .		23·165	23·113	·052	23·132		23·094	69·5	53·3	16·2	73·0	47·9	25·1	63·2	67·3	61·0			57·6	59·8	
	Kalabagh . .																					
	Mukteswar . .	7,592	22·883	22·815	·068	22·841		22·799	67·3	55·8	11·5	72·5	52·0	20·5	61·8	63·0	61·1		54·6	59·4	60·3	58·1
	Katmandu . .	4,388	25·683	25·586	·097	25·632	+·109†	25·586	82·2	66·6	15·6	86·6	61·0	25·6	76·0	78·6	74·0	+0·8†	64·7	69·7	71·2	68·5
	Kodaikanal . .	7,688	22·824	22·747	·077	22·785		22·720	65·7	53·7	12·0	70·6	51·6	19·0	62·1	63·0	59·7		51·2	57·5	57·5	55·4
	Dodabetta . .	8,539?																				
	Extra India.																					
	Diego Garcia .																					
	Seychelles . .	15	30·001	29·900	·101	29·959	—·021†	29·897	82·1	77·8	4·3	84·0	72·8	11·2	80·3	80·9	78·7	+1·0†	72·0	75·2	75·4	74·2
	Mauritius . .	181				29·967	—0·32	30·097	77·5	62·6	14·9	81·0	56·7	24·3			69·4	0				63·7

N. B.—Elevations in italics indicate barometric 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.

at 13 stations in India, etc., in September, 1915.

Vapour tension in inches of mercury.					Humidity.					Cloud.				Wind direction.											Wind steadiness.		Wind velocity.		Rainfall.		Station.	Number of sub-division.
														Total number of 10 hrs. and 16 hrs. winds from																		
From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean 10 hrs.	Mean 16 hrs.	Mean of two previous columns.	Departure from normal.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Mean wind direction.	Normal mean wind direction of month.	Average percentage.	Normal percentage.	Mean velocity in miles per diem.	Normal.	Total rainfall for the month.	Heaviest rainfall during the month.		
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
																															III.—Bengal.	
·896	·947	·927	·929	—·023	94	79	77	84	— 2	7·1	7·7	7·4	—0·5	6	1	4	12	13	12	8	1	3	S 36° E	S 9° W	43	46	69	71	10·45	2·04	Calcutta . .	5
																															VI.—Punjab.	
·749	·793	·781	·785	+·067	79	58	50	65	+ 4	2·6	1·9	2·3	+0·4	13	1	7	6	24	2	3	2	2	S 59° E	N 46° E	43	59	43	37	2·73	1·12	Lahore . .	11
																															IX.—Rajputana.	
·713	762	·702	·744	+·052	76	55	45	64	— 5	2·2	5·8	4·0	—0·5	2	3	2	7	5	5	7	15	14	N 87° W	N 42° W	30	43	78	74	2·41	0·78	Jaipur . .	18
																															X.—Bombay.	
·759	·912	·898	·863	—·009	81	84	80	83	— 3	6·7	6·9	6·8	—0·1	0	2	2	5	3	3	4	20	21	N 70° W	N 84° W	50	52	153	189	10·78	2·60	Bombay . .	25
																															XIV.—Mysore.	
·612	·673	·640	·654	+·031	95	74	63	80	0	6·8	7·3	7·1		2	2	2	4	4	4	10	23	9	S 82° W	S 84° W	48	83	145	123	9·58	2·80	Bangalore . .	29
																															XV.—Madras.	
	·782	·745				64	53			5·5	7·7	6·6		21	2	2	0	4	4	11	10	6	S 69° W		32		86		3·42	1·10	Pudukkottai .	31
·820	·853	·868	·858	+·010	88	68	65	75	— 2	6·2	6·0	6·1	—0·2	0	1	1	6	15	19	11	5	2	S 5° E	S 35° W	57	53	97	105	9·36	3·91	Madras.	
																															Hill stations, excluding Kashmir and Baluchistan.	
	·420	·440				73	66			5·9	6·4	6·1																	9·42	2·35	Sanain.	
																															Kalabagh.	
·414	·482	·494	·465		93	88	86	91		8·4	8·2	8·3		16	1	1	10	1	0	2	29	0	S 88° W		32		130		5·54	0·94	Mukteswar.	
·588	·654	·679	·642	+·009	90	73	70	80	— 1	6·5	7·2	6·9	+0·6	0	0	1	23	0	0	0	35	1	N 84° W	N 87° W	20	11	15	12	7·25	1·30	Katmandu.	
·351	·426	·447	·408		85	77	87	83		7·6	9·2	8·4		1	4	1	1	6	6	4	20	17	N 83° W		48		202		6·07	0·99	Kodaikanal.	
																															Dodabetta.	
																															Extra India.	
																															Diego Garcia.	
·710	·812	·811	·785	+·018	74	78	77	78	— 2	6·0	6·3	6·1	+0·5†	3	0	0	0	36	19	2	0	0	S 28° E	S 40° E	87	87	205	210	22·61	10·29	Seychelles.	
			·504	—·009				70	— 2			5·2	+0·2										S 60° E	S 71° E			207		1·06	0·25	Mauritius.	

† Departure from old normal.

Table B.—Abstract of observations taken at 8 hrs. at 217 stations in India, etc., in September, 1915.

(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 2,300 stations.

Division.	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	+·013	87·7	+0·2	75·1	−0·1	81·4	+0·1	12·6	21·9	−0·3	−13	89	−1	·875	−·014	6·7	−0·6	9·41	12·30	−2·89
Assam	+·024	88·1	−0·4	76·0	−0·3	82·0	−0·4	12·1	22·9	+0·1	+26	89	−1	·905	−·015	5·2	−1·6	9·97	12·11	−2·14
Bengal	+·025	88·2	0	77·7	0	83·0	0	10·5	19·1	−0·7	0	88	−1	·940	−·007	5·9	−0·6	10·23	11·45	−1·22
Bihar and Orissa	+·019	88·7	−0·4	77·1	0	82·9	−0·2	11·6	19·9	−0·1	+2	86	+1	·915	+·011	5·7	+0·3	8·36	8·85	−0·49
United Provinces of Agra and Oudh	+·010	90·4	−1·1	77·0	+0·6	83·7	−0·3	13·4	23·4	−0·4	+18	83	+2	·910	+·051	4·3	+0·3	9·79	6·11	+3·68
Punjab	−·002	98·2	+1·7	77·7	+2·9	87·9	+2·3	20·5	34·7	+1·0	+17	69	0	·773	+·046	2·4	+0·5	2·82	2·69	+0·13
North-West Frontier Province	−·021	101·1	+3·3	77·3	+4·6	85·2	+3·9	23·7	36·1	−0·3	+5	65	−1	·735	+·037	1·3	+0·3	1·47	1·29	+0·18
Sind	−·017	97·7	+2·1	77·9	+1·9	87·8	+2·0	19·8	28·8	−0·5	+1	73	0	·819	+·038	1·9	−0·1	0·42	0·45	−0·03
Rajputana	−·023	100·4	+6·5	80·0	+4·2	90·2	+5·3	20·4	30·5	+0·3	−23	57	−12	·681	−·052	2·4	−1·0	1·07	3·48	−2·41
Bombay	−·023	89·0	+2·0	74·1	+1·1	81·5	+1·5	14·9	23·2	−0·6	−9	82	0	·803	+·010	5·7	−0·1	7·30	6·59	+0·71
Central India	−·011	90·1	+2·4	74·5	+1·9	82·3	+2·1	15·5	23·5	+0·1	−9	80	−3	·305	+·021	4·9	−0·4	3·64	6·29	−2·65
Central Provinces	−·005	87·7	+0·8	73·1	+0·8	80·4	+0·8	14·6	21·8	+0·5	−13	83	0	·792	+·023	5·0	−0·5	7·59	7·32	+0·27
Hyderabad	−·015	88·2	+1·1	72·5	+0·6	80·4	+0·9	15·7	23·7	+0·6	−20	81	+1	·745	+·022	6·1	+0·3	9·71	7·71	+2·00
Mysore	−·020	84·1	+1·6	67·4	+1·5	75·7	+1·6	16·7	25·6	+0·5	−19	84	+1	·663	+·030	7·3	−0·5	6·87	4·95	+1·92
Madras	−·015	90·2	0	76·4	+0·8	83·3	+0·4	13·8	22·9	+0·7	−10	81	+3	·841	+·037	6·1	0	6·70	5·73	+0·97

Table

(2) Abstract of observations taken at 8 hrs.

Number of sub-division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches. 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	147	29·763		29·841	29·817	27th	29·697	9th	·120	77·2	82·3		72·9		77·6		9·4	86·4	21st	69·4	10th	17·0
	Mergui	66	29·834	—·010	29·830	29·885	27th	29·745	9th	·140	76·7	82·5	—2·0	72·0	—0·9	77·3	—1·5	10·5	87·7	24th	69·9	10th	17·8
	Tavoy	19	29·880	—·009	29·830	29·949	28th	29·787	9th	·162	78·3	85·6	+1·6	74·9	+0·8	80·3	+1·2	10·7	91·0	2	70·8	1st	20·2
	Moulmein	94	29·793	+·012	29·825	29·864	20th	29·696	10th	·168	78·4	86·4	+1·6	75·4	+0·8	80·9	+1·2	11·0	91·0	20th	72·5	1st	18·5
	Rangoon	18	29·848	+·008	29·803	29·927	20th	29·743	9th	·184	80·0	87·1	+1·4	76·4	+0·4	81·7	+0·9	10·7	9·09	25th	73·5	4th	17·4
	Bassein	27	29·826	+·003	29·789	29·917	20th	29·725	10th	·192	79·9	86·2	+0·6	76·6	+0·5	81·4	+0·5	9·6	90·7	23rd	75·0	11th	15·7
	Diamond Island	41	29·807	—·002	29·783	29·890	20th	29·718	9th	·172	80·4	85·0	+0·4	76·7	+0·4	80·9	+0·4	8·3	89·2	26th	71·2	28th	18·0
	Toungoo	164	29·633	+·012	29·799	29·785	20th	29·581	9th	·204	80·2	90·7	+1·7	75·5	+0·2	83·1	+0·9	15·2	94·1	15th	72·8	29th	21·3
	Kyaukpyu	18	29·815		29·773	29·932	20th	29·680	10th	·252	80·7	86·7		76·3		81·5		10·4	90·9	30th	72·2	26th	18·7
	Akyab	20	29·817	+·022	29·778	29·936	20th	29·687	10th	·249	81·2	87·2	+0·8	77·0	—0·8	82·1	0	10·2	89·9	16th	73·6	26th	16·3
3	Minbu	*165*	29·674	+·015	29·782	29·774	26th	29·511	10th	·233	80·9	90·6	+0·3	76·7	—0·1	83·7	+0·1	13·9	95·3	15th	73·0	26th & 27th.	22·3
	Yamethin	657	29·190	+·017	29·797	29·277	20th	29·050	10th	·227	79·2	91·5	+0·8	75·7	+1·0	83·6	+0·9	15·8	95·5	15th	72·0	26th	23·5
	Mandalay	250	29·603	+·029	29·801	29·709	28th	29·452	10th	·257	81·8	94·4	+1·6	77·1	+0·1	85·7	+0·9	17·3	101·1	14th	72·0	1st	29·1
	Monywa	*280*	29·563	+·033	29·792	29·683	25th	29·403	10th	·280	81·2	94·5	+2·7?	78·8	+1·1	86·6	+1·9?	15·7	100·3	14th	71·6	25th	28·7
	Lashio	*2,820*	27·080	+·013	27·026	27·190	20th	26·929	9th	·261	71·2	82·7	—1·4	67·7	—0·2	75·2	—0·8	15·0	87·9	13th & 15th	59·2	27th	28·7
	Bhamo	*361*	29·479	+·043?	29·795	29·615	28th	29·307	10th	·308	77·9	89·8	0	73·0	—1·6	81·4	—0·8	16·8	96·0	16th	63·1	26th	32·9
	Myitkyina	458	29·356	+·036	29·776	29·510	28th	29·184	9th	·326	76·4	87·3	—2·5	73·7	—1·9	80·5	—2·2	13·6	93·6	14th	67·6	27th	26·0
	II.—Assam.																						
4	Dibrugarh	353	29·457	+·022	29·771	29·592	28th	29·244	10th	·348	77·0	85·5	—1·5	73·8	—1·0	79·6	—1·3	11·7	91·2	30th	70·3	26th	20·9
	Sibsagar	333	29·489	+·012	29·781	29·616	28th	29·296	10th	·320	78·5	86·8	—1·0	76·3	0	81·6	—0·5	10·5	92·1	16th	70·0	22nd	22·1
	Tezpur	252	29·565	+·035	29·775	29·698	25th & 28th.	29·354	10th	·344	80·0	89·0	+0·3	76·1	—0·7	82·6	—0·2	12·9	94·5	25th	70·2	23rd	24·3
	Gauhati	196	29·628	+·043?	29·780	29·774	25th	29·426	10th	·348	82·1	88·9	—1·0	76·4	—0·3	82·6	—0·7	12·5	92·8	16th.	71·1	26th	21·7
	Dhubri	115	29·698	+·033	29·768	29·842	25th	29·497	10th	·345	81·8	85·9	+0·5	78·7	+1·5	82·3	+1·0	7·2	90·3	15th	75·5	24th	14·8
	Silchar	104	29·724	+·020	29·780	29·828	20th & 25th.	29·563	10th	·265	80·2	89·9	+0·1	75·7	—0·6	82·8	—0·3	14·2	93·9	16th	69·6	26th	29·3
	Srimangal	66	29·676*		29·692*	29·778	21st	29·553	9th	·225	78·4	90·8	—0·2	74·8	—0·9	82·8	—0·5	16·0	95·7	16th	68·7	27th	27·0
	III.—Bengal.																						
5	Cox's Bazar	36	29·776		29·757	29·901	20th	29·641	10th	·260	79·5	86·6		75·6		81·1		11·0	91·3	30th	71·7	25th	19·6
	Chittagong	87	29·731	+·022	29·763	29·841	25th	29·591	9th	·250	80·5	86·7	—0·1	76·4	+0·1	81·6	0	10·3	91·4	15th	72·9	25th	18·5
	Noakhali	43	29·774	+·030	29·764	29·904	25th	29·606	10th	·298	81·5	87·2	+0·7	77·7	+0·3	82·5	+0·5	9·5	91·8	15th	73·3	23rd	18·5
	Barisal	12	29·780	+·032	29·749	29·921	25th	29·626	10th	·295	82·3	87·7	—0·3	78·3	+0·2	83·0	—0·1	9·4	90·9	15th & 19th.	74·0	22nd	16·9
	Narayanganj	26	29·767	+·014	29·742	29·898	25th	29·595	10th	·303	83·0	88·1	—0·4	78·6	—0·3	83·4	—0·3	9·5	92·7	15th	74·8	22nd	17·9
	Mymensingh	63	29·743	+·024	29·757	29·873	25th	29·565	10th	·308	81·4	88·3	+0·7	78·5	+0·8	83·4	+0·7	9·8	94·8	16th	74·2	22nd	20·6
	Bogra	75	29·722	+·025	29·748	29·855	25th	29·544	10th	·311	82·5	89·1†	+0·4†	79·2†	+1·4†	84·2†	+0·9†	9·9	94·2	15th	74·4	20th	19·8
	Dinajpur	123	29·654	+·015?	29·732	29·783	25th	29·472	10th	·317	81·9	89·2	+0·6	78·1	+0·6	83·7	+0·6	11·1	94·3	16th	74·5	29th	19·8
	Jalpaiguri	282	29·525	+·034	29·764	29·653	28th	29·344	10th	·309	79·6	89·0	+1·3	76·2	+0·4	82·6	+0·9	12·8	94·1	16th	72·3	29th	21·8
	Saugor Island	10	29·760	+·025	29·715	29·898	25th	29·587	11th	·311	82·7	87·2	—1·0	78·3	—1·4	82·8	—1·2	8·9	89·2	19th	73·8	25th	15·4
	Midnapore	149	29·614	+·017	29·711	29·752	25th	29·435	11th	·317	81·9	88·7	—1·2	77·5	—0·4	83·1	—0·2	11·2	93·0	3rd	73·5	25th	19·5
	Calcutta	21	29·752	+·020	29·720	29·899	25th	29·573	11th	·326	81·4	88·7	+0·7	78·0	0	83·3	+0·3	10·7	92·3	3rd	73·8	26th	18·5

* Mean of 18 days. † Mean of 23 days.

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

B.

at 217 stations in India, etc., in September, 1915.

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 May to 30th September.	Normal rainfall for period 1st May to 30th September.	Departure from normal of period 1st May to 30th Sept., 1915.	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.
9	2	2	2	5	4	2	1	3	S 36° E		4·3			13		91		·847		7·0		26			37·08			121·88			5·75	Victoria Point.
26	1	0	0	2	0	1	0	0	S 33° E	N 76° W	0·5	1·2	−0·7	3	−55	96	+ 3	·878	+·005	6·1	−0·1	24	23·5	+0·5	25·35	27·22	−1·87	103·55	135·13	−31·58	3·15	Mergui.
13	1	2	1	4	4	5	0	0	S 13° E	S 64° W	1·9	0·9	+1·0	27	+16	91	− 2	·883	+·014	5·5	−1·5	22	23·2	−1·2	24·10	34·81	−10·71	170·59	197·18	−26·59	4·80	Tavoy.
1	2	2	4	8	6	6	1	0	S 25° E	S 12° E	5·3	2·3	+3·6	46	+ 9	94	+ 2	·917	+·038	8·5	+1·1	22	22·2	−0·2	22·27	28·34	− 6·07	144·69	173·12	−28·43	3·90	Moulmein.
2	3	2	3	5	7	3	3	2	S 12° E	S 50° W	3·5	2·6	+0·9	23	−25	90	− 2	·919	+·006	9·1	+0·7	15	19·7	−4·7	10·91	15·63	− 4·72	90·35	86·03	+ 4·32	2·45	Rangoon.
13	1	0	3	4	3	3	1	2	S 13° E	S 5° W	2·4	2·9	−0·5	17	−20	92	− 1	·941	+·010	6·8	−0·3	19	20·5	−1·5	14·23	15·48	− 1·25	84·26	96·44	−12·18	2·02	Bassein.
9	1	2	2	2	3	6	4	1	S 57° W	S 51° W	5·6	5·8	−0·2	23	−18	87	+ 1	·909	+·005	6·8	−0·5	22	17·5	+4·5	30·86	17·72	+13·14	101·34	101·40	− 0·06	5·00	Diamond Island.
8	2	2	0	7	8	3	0	0	S 20° E	S 32° E	1·8	2·3	−0·5	43	−12	89	− 1	·908	−·009	8·1	−0·1	9	17·9	−8·9	3·95	12·39	− 8·44	67·27	70·18	− 2·91	0·97	Toungoo.
18	0	2	8	2	0	0	0	0	E		1·2			36		87		·909		8·3		18			10·81			173·32			2·14	Kyaukpyu.
9	0	4	5	8	0	0	0	0	S 81° E	N 87° E	2·3	2·2	+0·1	56	+ 1	91	− 2	·962	+·001	5·2	−2·3	19	19·4	−0·4	11·85	21·71	− 6·86	225·61	174·37	+51·27	2·47	Akyab.
1	0	0	0	25	1	0	0	3	S 43° E	S 42° E	2·9	6·0	−3·1	63	+ 2	82	− 4	·854	−·032	5·5	−0·8	7	10·0	−3·0	5·73	6·19	− 0·46	28·53	26·05	+ 2·48	1·70	Minbu.
14	1	1	1	5	0	1	0	1	S 27° E	S 30° E	1·5	4·0	−2·5	30	−37	85	− 3	·817	−·016	4·4	−2·1	6	10·9	−4·9	2·19	7·31	− 5·12	28·89	28·29	+ 0·60	0·58	Yamethin.
11	0	0	0	11	6	1	0	1	S 24° E	S 3° W	2·1	3·4	−1·3	49	− 6	79	− 4	·850	−·040	3·7	−2·1	10	8·9	+1·1	7·58	6·08	+ 1·50	32·52	24·48	+ 8·04	3·31	Mandalay.
5	5	1	3	11	3	0	1	1	S 66° E		2·0			37		82	− 5	·866	−·055	8·1	+0·8	6	9·7	−3·7	3·65	7·73	− 4·08	23·59	23·21	+ 0·38	1·24	Monywa.
16	2	6	0	1	0	3	1	1	N 15° E		1·7			13		90	− 2	·690	−·042	8·2	+0·2	10	13·5	−3·5	6·00	7·53	− 1·53	50·84	50·45	+ 0·39	1·24	Lashio.
19	2	3	0	1	1	3	9	1	N	N 72° W	0·8	1·5	−0·7	3	−11	90	− 1	·866	−·019	6·7	0	11	12·5	−1·5	5·91	9·17	− 3·26	50·69	62·10	−11·41	1·04	Bhamo.
30	0	0	0	0	0	0	0	0	Calm		1·0			*a*		91	+ 1	·821	−·072	6·0	−1·3	12	11·9	+0·1	10·16	8·48	+ 0·68	89·43	63·43	+26·00	2·47	Myitkyina.
																																II.—Assam.
13	3	4	8	0	0	1	1	0	N 61° E		0·7			33		91	− 1	·849	−·033	6·5	−0·9	16	14·7	+1·3	13·62	12·64	+ 0·98	104·86	86·71	+24·15	2·13	Dibrugarh.
11	5	5	2	1	3	2	0	1	N 45° E	S 79° E	2·9	1·8	+1·1	20	+ 9	91	− 3	·892	−·036	7·1	−1·2	15	14·5	+0·5	13·23	11·86	+ 1·37	86·04	71·42	+14·62	3·78	Sibsagar.
15	0	3	6	3	0	2	1	0	S 80° E		1·3			27		90	− 1	·921	+·008	6·5	−0·4	10	11·6	−1·6	5·83	7·10	− 1·27	55·55	54·70	+ 0·85	1·73	Tezpur.
30	0	0	0	0	0	0	0	0	Calm		1·2			*a*		86	− 2	·941	+·017	6·2	−0·8	9	10·1	−1·1	3·95	6·15	− 2·20	65·2[illegible]	49·91	+15·[illegible]	1·18	Gauhati.
4	0	9	9	3	3	2	0	0	S 89° E	N 82° E	3·5	3·1	+0·4	53	+31	88	− 3	·948	+·027	4·3	−2·6	6	12·8	−6·8	4·55	14·25	− 9·70	84·61	82·95	+ 1·85	1·13	Dhubri.
12	1	7	6	2	0	1	1	0	N 70° E	N 77° E	0·3	1·6	−1·3	40	+37	87	− 3	·898	−·031	3·9	−3·8	15	15·0	0	13·09	13·93	− 0·84	137·94	90·91	+46·93	2·20	Silchar.
																91	+ 4	·885	−·056	1·9		19	15·8	+3·2	5·42	12·14	− 6·69	105·33	70·63	+35·70	0·73	Srimangal.
																																III.—Bengal.
12	0	0	6	9	2	0	0	1	S 57° E		2·4			46		92		·934		6·4		13			14·56			118·55			5·68	Cox's Bazar.
13	0	2	3	6	1	0	0	0	S 74° E	S 60° E	2·0	3·2	−1·2	49	−14	90	+ 2	·930	+·005	5·4	−1·7	7	12·7	−5·7	7·41	11·63	− 4·22	114·15	80·64	+33·51	2·31	Chittagong.
8	0	1	3	14	3	1	0	0	S 45° E		2·4			60		86	− 3	·920	−·032	5·3	+0·4	17	15·7	+1·3	12·81	15·87	− 3·06	117·44	100·17	+17·27	5·18	Noakhali.
11	0	3	3	2	8	3	0	0	S 25° E	S 27° E	1·4	2·0	−0·6	53	+ 7	87	− 1	·955	−·017	5·8	+0·4	12	14·8	−2·8	6·63	11·1	− 4·63	59·91	64·36	− 4·45	1·57	Barisal.
3	1	1	8	7	5	3	1	1	S 46° E	S 18° E	2·1	3·8	−1·7	46	− 2	84	− 4	·941	−·029	6·8	−0·8	9	11·9	−2·9	9·09	9·37	+ 0·32	75·08	55·56	+19·52	2·93	Narayanganj.
22	1	0	3	3	1	0	0	0	S 67° E	S 63° E	1·2	2·0	−0·8	17	−33	90	0	·974	+·017	7·4	0	14	15·3	−1·3	10·08	14·05	− 4·00	99·04	77·77	+21·27	2·16	Mymensingh.
5	3	4	5	3	7	3	0	0	S 55° E	S 49° E	1·1	2·2	−1·1	20	−26	83*	+ 1	·984*	+·032	6·4	+0·7	12	12·0	−0·9	6·89	11·73	− 4·84	72·95	58·39	+14·56	3·21	Bogra.
4	0	3	11	8	4	9	0	0	S 68° E	S 76° E	2·1	2·6	−0·5	66	+14	89	0	·966	+·020	4·8	−1·9	10	12·8	−2·8	8·06	12·35	− 4·29	60·82	61·77	− 0·95	2·84	Dinajpur.
30	0	0	0	0	0	0	0	0	Calm.	N 73° E	1·0			*a*		92	+ 2	·928	+·019	3·8	−1·4	13	15·4	−2·4	13·76	15·75	− 5·99	90·70	112·15	−21·45	2·55	Jalpaiguri.
1	2	3	5	3	10	5	1	0	S 22° E		7·9			40	+11	86	− 2	·865	−·020	6·9	−0·8	13	13·5	−0·5	10·83	11·67	− 0·79	49·70	56·49	− 6·79	5·95	Saugor Island.
2	1	9	2	7	7	1	0	1	S 67° E		2·3			43		87	+ 1	·849	+·020	4·8	+0·7	17	12·1	+4·9	15·18	8·76	+ 6·42	46·	48·89	− 2·69	5·62	Midnapore.
3	1	3	6	6	3	5	1	2	S 46° E	S 13° E	2·8	3·0	−0·2	27	− 6	89	+ 2	·918	−·015	6·1	−0·8	16	13·2	+2·8	10·4[illegible]	10·35	+ 0·10	53·17	52·57	+ 0·60	2·04	Calcutta.

* Mean of 23 days.

a Indeterminate.

Table

(2) Abstract of observations taken at 8 hrs.

Number of sub-division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches. 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
	III.—Bengal—*concld.*																						
	Jessore	30	29·764	+·033	29·741	29·887	26th	29·603	10th	·284	83·0	88·2	-1·0	77·9	−0·5	82·1	−0·7	10·3	91·2	15th	70·5	26th	20·7
	Burdwan	99	29·678	+·023	29·725	29·816	28th	29·491	11th	·325	81·0	85·4	−0·4	77·2	−1·6	83·3	−1·0	12·2	93·0	3rd	72·6	25th	20·4
	Berhampore	67	29·717	+·030	29·733	29·854	25th	29·535	10th	·319	81·8	89·3*	+0·3	78·4	-0·2	85·9	+0·1	10·9	92·6	15th	73·7	22nd	18·9
	IV.—Bihar and Orissa.																						
5	Balasore	50	29·711	+·016	29·706	29·857	25th	29·525	11th	·332	81·5	88·7	−0·1	77·5	−0·4	83·1	−0·3	11·2	91·6	3rd	73·9	29th	17·7
	Hukitala (False Point)	29	29·730	+·009	29·700	29·863	26th	29·536	11th	·327													
	Cuttack	80	29·691	+·026	29·712	29·818	26th	29·493	11th	·325	81·6	89·2	−0·9	78·1	0	83·7	−0·5	11·1	93·5	24th	75·2	5th, 29th & 30th.	18·3
	Puri	24	29·739	+·012	29·704	29·869	20th & 26th.	29·530	11th	·339	81·9	87·3	−1·7	79·9	+0·2	83·6	−0·7	7·4	90·5	28th	74·9	4th	15·6
	Angul	455	29·302	+·022	29·704	29·433	26th	29·092	11th	·341	79·8	87·9	−0·6	76·2	−0·3	82·1	−0·5	11·7	91·1	1st, 20th & 24th.	73·0	30th	18·1
	Sambalpur	486	29·278	+·011	29·713	29·417	25th	29·064	10th & 11th.	·353	80·2	87·5	−1·4	76·2	−0·9	81·9	−1·1	11·3	92·5	20th	72·7	6th	19·8
7	Chaibasa	*733*	29·011	+·011?	29·695?	29·190	25th	28·805	11th	·385	79·3	89·5	0	75·8	−0·1	82·6	−0·1	13·7	93·1	3rd	72·3	27th	20·8
	Ranchi	2,128	27·660	+·031	29·703	27·794	28th	27·474	11th	·320	75·8	83·5	−0·6	72·6	0	77·8	−0·3	11·5	87·5	20th	68·7	27th	18·8
	Purulia	*816*	28·962*	+·041*?	29·729*	29·094	25th & 26th.	28·731	11th	·363	79·8	90·4	+1·1	75·6	−0·1	83·0	+0·5	14·8	98·3	20th	72·1	25th	26·2
	Daltonganj	*730*	29·027	+·020	29·710	29·178	28th	28·820*	11th	·358	79·2	89·7	−0·6	75·2	−0·1	82·5	−0·3	14·5	94·2	11th	70·7	28th	23·5
8	Purnea	124	29·657	+·025	29·735	29·796	28th	29·458	10th	·338	82·6	89·0	+0·1	78·4	+0·9	83·7	+0·5	10·6	92·7	16th	74·8	29th	17·9
	Monghyr	155	29·599		29·706	29·756	25th	29·392	10th	·364	83·7	89·4		78·2		83·8		11·2	93·1	11th	74·7	2nd	18·4
	Darbhanga	165	29·605	+·025	29·724	29·762	28th	29·394	10th	·368	83·0	89·2	+0·5	78·8	+0·2	84·0	+0·3	10·4	97·3	11th	71·9	24th	25·4
	Pusa	188	29·572		29·715	29·733	25th	29·368	10th	·365	83·3	90·2		77·2		83·7		13·0	94·1	11th	72·9	30th	21·2
	Patna	183	29·580	+·006	29·698	29·730	25th	29·344	11th	·386	83·9	88·6	−1·2	79·5	+0·6	84·1	−0·3	9·1	93·9	11th	75·3	20th	18·6
	Buxar	239	29·504	+·014	29·699	29·677	28th	29·295	11th	·382	81·8	88·9	−1·2	78·1	+0·4	83·5	−0·4	10·8	93·5	8th, 10th & 11th.	73·7	24th	19·8
	Gaya	372	29·391	+·030	29·712	29·547	25th	29·185	11th	·362	83·5	91·3?	+0·4?	78·4	+0·6	84·8?	+0·5?	12·9	95·7	10th	75·2	24th	20·5
	Naya Dumka	489	29·276	+·024	29·717	29·414	25th	29·088	10th	·326	81·4	89·4	+0·5	76·8	+0·2	83·1	+0·3	12·6	92·2	8th	73·6	23rd	18·6
	V.—United Provinces of Agra and Oudh.																						
9	Gorakhpur	257	29·492	+·016	29·708	29·666	28th	29·303	10th	·363	81·0	88·4	−2·1	77·1	−0·5	82·7	−1·3	11·3	93·9	10th	73·3	24th	20·6
	Benares	267	29·479	+·018	29·699	29·619	28th	29·283	10th	·366	82·9	89·9	−1·1	77·3	+0·1	83·6	−0·5	12·6	96·0	11th	73·5	14th	22·5
	Allahabad	309	29·421	−·001	29·684	29·588	25th	29·233	10th	·355	82·6	89·4	−2·1	77·0	0	83·2	−1·1	12·4	95·3	11th	73·8	2nd	21·5
	Cawnpore	416	29·327	+·018	29·700	29·502	25th	29·139	10th	·363	81·0	88·9	−2·2	77·3	0	83·1	−1·1	11·6	94·0	10th	71·7	23rd	22·3
	Lucknow	368	29·371	+·013	29·697	29·512	25th	29·178	10th	·364	82·0	88·9	−3·0	77·4	+1·0	83·2	−1·0	11·5	96·0	10th	73·2	24th	22·8
	Bahraich	407	29·333	+·014	29·700	29·512	25th	29·140	10th	·372	80·8	87·3	−4·1	76·5	0	81·9	−2·1	10·8	94·3	9th	72·2	24th	22·1
10	Jhansi	824	28·918	−·010	29·694	29·074	25th	28·745	10th & 11th.	·333	82·5	93·7	+2·2	76·5	+0·4	85·1	+1·3	17·2	98·8	11th	74·1	30th	24·7
	Agra	556	29·175	−·003	29·684	29·351	25th	28·975	10th	·376	86·7	97·4	+4·2	79·6	+2·6	88·5	+3·4	17·8	101·7	10th	72·8	11th	28·9
	Mainpuri	516	29·209	0	29·682	29·378	25th	29·014	10th	·364	81·8	92·1	−0·7	77·1	+1·1	84·6	+0·2	15·0	96·6	29th	72·1	24th	24·5
	Bareilly	568	29·108	+·015	29·696	29·346	25th	28·983	10th	·363	81·3	89·2	−1·5	76·4	+0·7	82·8	−0·4	12·8	93·6	11th	70·2	24th	23·4
	Roorkee	899	28·854	+·027	29·717	29·046	25th	28·652	10th	·394	80·1	88·9	−2·0	74·4	+1·1	81·7	−0·5	14·5	94·0	11th	69·7	28th & 29th.	24·3
	VI.—Punjab.																						
11	Delhi	718	29·015	+·007	29·692	29·204	25th	28·813	10th	·391	83·0	95·0	+2·3	78·2	+1·1	86·6	+1·7	16·8	103·1	11th	72·3	29th	30·8
	Hissar	725	28·983	−·011	29·664	29·154	25th	28·806	10th	·348	85·1	101·1	+3·0	78·2	+2·3	89·6	+2·7	22·9	108·6	11th	71·6	14th	37·0

* Mean of 29 days.

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

B—*continued.*

at 217 stations in India, etc., in September, 1915—*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, 1915.	Normal rainfall for period, 1st May to 30th September.	Departure from normal of period, 1st May to 30th September, 1915.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	35	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																III.—Bengal—*concld.*
12	0	0	1	14	3	0	0	0	S 41° E	S 32° E	2·7	2·3	+0·4	56	+19	83	− 6	·938	−·054	5·0	−1·6	11	12·0	− 1·0	7·48	8·90	− 1·42	52·59	52·54	+ 0·05	2·08	Jessore.
9	0	2	3	11	3	1	0	1	S 49° E	S 18° E	1·6	2·2	−0·6	46	+24	89	+ 3	·933	−·011	6·6	−0·5	9	11·5	− 2·5	4·99	8·70	− 3·71	41·20	49·09	− 7·89	1·07	Burdwan.
3	1	3	10	5	5	2	1	0	S 63° E	S 19° E	2·2	2·7	−0·5	46	+ 8	87	− 2	·942	−·033	6·5	−0·7	9	11·9	− 2·9	8·60	10·03	− 1·43	53·48	47·19	+ 6·29	2·78	Berhampore.
																																IV.—Bihar and Orissa.
8	2	4	2	1	3	8	0	2	S 26° W	S 59° W	1·5	2·6	−1·1	10	−12	89	+ 2	·961	+·012	5·5	+0·4	16	13·3	+ 2·7	12·32	12·23	+ 0·09	40·76	48·96	− 8·20	2·85	Balasore.
3	2	2	3	2	8	6	3	1	S 13° W		9·7			30	− 7					7·0	−0·3	19	12·4	+ 6·6	9·45	10·38	− 0·93	29·81	48·03	−18·27	2·96	Hukitala (False Point).
10	0	3	4	2	1	5	4	1	S 13° W	S 81° W	1·8	1·8	0	10	−20	86	+ 3	·921	+·016	6·9	+0·8	13	12·4	+ 0·6	9·91	10·09	− 0·18	47·63	49·62	− 1·99	3·36	Cuttack.
0	3	2	2	1	8	8	2	4	S 41° W		10·9			30		86	+ 1	·946	−·012	7·2	+1·0	17	11·3	+ 5·7	9·66	9·37	+ 0·29	27·13	40·72	−13·59	2·11	Puri.
9	0	2	2	7	1	1	1	7	S 77° E		3·6			3		87	+ 1	·893	−·006	7·8	+3·3	11	10·0	+ 4·0	6·95	6·76	+ 0·19	30·75	38·96	− 8·21	1·58	Angul.
1	3	13	2	0	0	9	2	0	N 26° E	S	3·4	2·8	+0·6	23	+ 1	87	+ 5	·891	+·008	6·9	+1·0	15	11·5	+ 3·5	9·69	9·02	+ 0·67	32·19	60·66	−28·47	3·54	Sambalpur.
19	0	4	2	1	1	3	0	0	S 74° E	S 53° W	2·0	1·0	+1·0	10	−13	87	+ 1	·864	−·003	6·8	+1·2	11	11·6	− 0·6	4·28	8·82	− 4·54	23·81	44·67	−20·86	1·21	Chaibasa.
0	0	5	8	3	6	5	1	2	S 49° E	S 79° W	3·4	5·0	−1·6	33	+11	87	+ 3	·776	+·023	6·0	−0·1	10	12·2	− 2·2	6·45	9·52	− 3·07	40·22	49·05	− 8·83	1·38	Ranchi.
14	1	5	3	2	1	0	3	1	N 53° E		2·2			17		86	− 2	·873	−·016	6·2	+0·9	10	11·4	− 1·4	11·96	10·61	+ 1·35	40·45	44·30	− 3·85	2·56	Purulia.
5	1	3	8	8	1	2	2	0	S 67° E		3·3			43		86	+ 2	·854	+·003	3·1	−0·9	10	9·6	+ 0·4	10·63	7·16	+ 3·47	29·91	36·87	− 6·96	3·12	Daltonganj.
3	2	7	7	6	2	2	1	0	S 87° E	N 88° E	1·5	2·2	−0·7	46	+ 8	88	− 2	·978	+·020	5·9	+0·2	11	11·0	0	7·21	12·72	− 5·51	58·35	56·00	+ 2·33	2·10	Purnea.
1	0	2	11	12	3	0	1	0	S 63° E		3·2			73		80*		·891*		4·4		11			7·81			45·79			2·61	Monghyr.
3	0	1	21	4	0	0	1	0	S 85° E	S 76° E	3·1	2·8	+0·3	76	+26	87	0	·976	+·031	4·9	−0·2	8	9·0	− 1·0	10·27	8·93	+ 1·34	63·40	45·25	+18·15	3·85	Darbhanga.
1	0	2	20	6	1	0	0	0	S 81° E		2·5			87		87		·987		4·6		7			4·67			49·01			1·74	Pusa.
5	0	2	15	7	0	0	1	0	S 80° E	S 74° E	3·5	2·8	+0·7	66	+36	82	− 1	·937	+·006	5·8	−0·2	10	9·1	+ 0·9	14·71	7·29	+ 7·42	54·78	41·91	+12·88	10·48	Patna.
1	1	4	10	8	2	2	2	0	S 72° E		3·1			53		87	+ 3	·938	+·028	5·9	+0·7	10	9·0	+ 1·0	9·83	6·88	+ 2·95	33·10	35·94	− 2·84	2·60	Buxar.
8	0	3	2	5	1	0	0	0	S 72° E†	S 37° W	3·0*	2·8	?	27	− 6	79	− 3	·907	+·013	3·6	−1·3	5	9·4	− 4·4	2·92	7·79	− 4·87	31·12	41·75	−10·63	1·24	Gaya.
19	0	0	2	7	2	0	0	0	S 45° E		2·5			33		86	+ 1	·920	+·015	3·8	−1·7	13	12·7	+ 0·3	8·90	9·49	−0·59	47·67	48·81	− 1·14	1·36	Naya Dumka.
																																V.—United Provinces of Agra and Oudh.
1	0	9	18	1	0	0	0	1	N 75° E	N 63° E	2·9	1·5	+1·4	82	+56	88	+ 4	·939	+·026	3·8	−0·8	15	8·7	+ 6·3	11·37	7·81	+ 3·56	43·52	41·44	− 0·92	2·88	Gorakhpur.
5	2	1	10	8	1	2	1	0	S 69° E	S 31° W	2·3	2·8	−0·5	49	+38	86	+ 2	·961	+·052	5·3	+0·2	10	8·5	+ 1·5	11·60	6·64	+ 4·96	41·50	34·85	+ 6·65	4·35	Benares.
6	1	3	14	3	0	1	1	1	N 86° E	N 63° W	2·3	4·3	−2·0	53	+38	84	+ 3	·931	+·044	7·0	+1·5	13	7·5	+ 5·5	11·33	5·39	+ 5·91	39·38	34·36	+ 5·02	2·34	Allahabad
5	2	3	8	5	4	1	1	1	S 73° E	S 45° W	2·0	2·6	−0·6	37	+29	89	+ 2	·938	+·072	3·3	−0·3	10	6·6	+ 3·4	20·77	6·27	+14·50	55·40	32·49	+22·91	9·21	Cawnpore.
15	0	1	9	5	0	0	0	0	S 78° E	S 83° E	1·4	2·0	−0·6	43	+36	87	+ 6	·954	+·077	5·2	+0·8	13	7·3	+ 5·7	31·68	5·76	+25·92	67·16	34·41	+32·75	9·85	Lucknow.
23	0	2	2	3	0	0	0	0	S 83° E	S 68° E	0·4	2·3	−1·9	17	−24	86	+ 4	·900	−·004	4·2	+0·9	13	6·4	+ 6·6	24·30	7·07	+17·23	64·18	39·98	+24·20	5·83	Bahraich.
3	4	2	6	2	3	3	7	0	S 16° W	N 1° E	3·3	2·4	+0·9	4	−31	75	− 2	·826	+·012	3·6	+0·7	3	7·4	− 4·4	1·69	6·14	− 4·45	19·52	34·90	−15·38	1·06	Jhansi
9	1	4	5	4	5	2	0	0	S 59° E	S 59° W	3·6	3·3	+0·3	33	+11	69	− 5	·873	+·068	2·7	−0·8	3	5·2	− 2·2	1·22	3·85	− 2·63	14·85	24·67	− 9·82	0·62	Agra.
2	1	0	11	10	2	1	2	1	S 61° E	S 86° W	1·4	1·1	+0·3	56	+37	86	+ 7	·939	+·103	2·5	−1·7	5	5·5	− 0·5	1·55	3·89	− 2·34	21·32	23·37	− 2·05	0·52	Mainpuri.
27	0	0	1	1	0	1	0	0	S 38° E	S 56° E	0·4	1·7	−1·3	3	−23	86	+ 4	·917	+·068	5·6	+2·1	7	6·6	+ 0·4	11·54	6·90	+ 4·64	51·54	40·24	+11·30	3·50	Bareilly.
16	0	0	3	11	0	0	0	0	S 54° E	S 58° E	1·4	1·4	0	46	+31	81	− 1	·833	+·044	4·5	+1·2	10	5·4	+ 4·6	9·18	5·69	+ 3·49	39·69	36·61	− 5·92	2·46	Roorkee.
																																VI.—Punjab.
3	0	2	5	14	3	0	1	2	S 54° E	S 85° W	4·6	2·6	+2·0	56	+27	75	+ 4	·837	+·077	2·0	−1·1	5	4·4	+ 0·6	5·70	4·40	+ 1·30	13·08	24·07	−10·99	3·28	Delhi.
2	0	0	7	9	4	1	7	0	S 27° E	S 59° W	5·7	3·6	+2·1	43	+21	64	− 2	·750	+·018	2·7	+0·6	2	3·0	− 1·0	1·87	1·97	− 0·10	6·38	11·76	− 5·38	1·45	Hissar.

* Mean of 10 days. † Wind observations for 19 days.

Table

(2) Abstract of observations taken at 8 hrs.

Number of sub-division.	Station.	Elevation of bar-cistern above sea-level in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°	Departure from normal.	Mean 8 hrs. pressure reduced to sea level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date	Absolute range during month
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	VI.—Punjab—*concld.*																						
	Patiala	*818*	28·896	−·012	29·677	29·101	25th	28·712	10th	·389	81·3	93·9	+0·7	77·1	+2·6	85·5	+1·7	16·8	103·9	12th	70·2	26th	33·7
	Ambala	892	28·639	+·010	29·694	29·034	25th	28·648	10th	·386	81·1	94·6	+1·7	76·1	+2·3	85·4	+2·0	18·5	103·3	11th	69·3	15th	34·0
	Ludhiana	812	28·918	+·012	29·695	29·112	25th	28·722	10th	·390	81·1	95·3	+1·0	77·5	+2·3	86·4	+1·7	17·8	104·9	10th	69·8	16th	35·1
	Lahore	702	29·007	+·002	29·675	29·183	25th	28·806	10th	·377	83·2	98·0	−0·3	78·4	+5·0	88·2	+2·3	19·6	107·6	10th	71·6	27th	36·0
	Sialkot	830	28·885	+·002	29·682	29·077	25th	28·692	10th	·385	81·9	96·0	+0·8	75·9	+1·8	85·9	+1·3	20·1	104·9	8th	68·5	3rd	36·4
	Rawalpindi	1,674	28·364	−·003	29·683	28·222	25th	27·880	10th	·342	80·3	95·1	+1·6	73·1	+4·0	84·1	+2·8	22·0	100·3	23rd	65·9	11th	34·4
12	Khushab	612	29·037	+·002	29·672	29·280	29th	28·895	10th	·385	87·1	101·2	+2·3	79·3	+3·1	90·3	+2·7	21·9	107·4	2nd	73·5	5th	33·9
	Lyallpur	605	29·085		29·653	29·248	25th	28·874	10th	·374	85·0	101·3		77·7		89·6		23·6	108·3	10th	72·0	27th	36·3
	Montgomery	558	29·136	−·012	29·653	29·284	25th	28·921	10th	·363	86·1	102·5	+1·9	79·5	+3·4	91·0	+2·7	23·0	111·5	8th	74·0	16th	37·5
	Multan	426	29·219	−·016	29·634	29·402	30th	29·041	10th	·361	87·2	104·4	+3·9	81·0	+3·5	92·7	+3·7	23·4	110·3	10th	78·5	13th & 16th.	31·8
	VII.—North-West Frontier Province.																						
14	Peshawar	1,113	28·605	−·018	29·685	28·788	29th	28·434	2nd	·354	81·3	100·0	+4·4	74·5	+4·0	87·3	+4·2	25·5	106·5	2nd	66·0	12th	40·5
	Dera Ismail Khan	590	29·095	−·025	29·649	29·258	30th	28·886	10th	·372	84·9	102·1	+2·3	80·2	+5·2	91·1	+3·7	21·9	107·3	22nd	75·6	10th	31·7
	VIII.—Sind.																						
16	Jacobabad	186	29·508	−·009	29·650	29·653	25th	29·301	10th	·357	86·5	107·2	+3·5	79·6	+3·4	93·4	+3·5	27·6	112·9	10th	74·8	11th & 12th.	38·1
	Hyderabad	96	29·608	−·028	29·656	29·754	25th	29·430	10th	·324	82·3	100·1	+2·7	77·2	+1·0	88·6	+1·9	22·9	107·2	9th	73·9	10th	33·3
	Karachi	13	29·752	−·013	29·716	29·870	25th	29·552	10th	·318	79·5	85·8	+0·2	77·0	+1·2	81·4	+0·7	8·8	89·8	30th	74·8	18th	15·0
	IX.—Rajputana.																						
17	Bikaner	*771*	28·910	−·022	29·630	29·080	25th	28·717	10th	·369	87·9	105·0	+6·9	81·9	+3·1	93·4	+5·0	23·1	111·0	11th	76·8	15th	34·2
	Jodhpur	780	28·964	−·027	29·694	29·092	25th	28·736	10th	·356	84·6	101·2	+6·3	80·1	+4·6	90·6	+5·5	21·1	109·1	11th	75·6	12th	33·5
18	Jaipur	1,431	28·298	−·045*	29·663	28·454	25th	28·102	10th	·352	83·4	98·8	+4·8	77·4	+3·9	88·1	+4·3	21·4	104·6	8th	73·2	4th	30·4
	Ajmer	1,611	28·154	−·018	29·689	28·285	25th	27·949	10th	·337	82·5	97·9	+7·5	79·8	+5·7	88·8	+6·6	18·1	105·2	11th	76·2	17th	29·0
	Kotah	832	28·804	−·022	29·678	29·041	25th	28·695	10th	·346	87·8	99·3	+6·8	80·9	+3·8	90·1	+5·3	18·4	103·8	10th	78·2	30th	25·6
	X.—Bombay.																						
19	Deesa	466	29·328	−·007	29·745	29·427	25th	29·129	10th	·298	83·8	101·2	+7·9	78·4	+4·3	89·8	+6·1	22·8	107·3	26th	75·5	12th	31·8
	Bhuj	334	29·452	−·014	29·736	29·574	25th	29·262	10th	·312	81·7	94·8	+2·8	76·0	+1·4	85·4	+2·1	18·8	101·4	30th	73·0	15th	28·4
	Jamnagar	61	29·735	−·023	29·742	29·827	2.th & 2.th.	29·557	10th	·270	82·5	90·5	+1·1	75·0	+0·7	82·8	+0·9	15·5	94·9	27th	71·3	28th	23·6
	Dwarka	37	29·775	−·015	29·758	29·876	25th	29·603	10th	·273	79·7	88·2	+1·0	77·6	+0·3	81·9	+0·7	8·6	90·2	30th	75·3	28th	23·9
	Rajkot	429	29·364*	−·028*	29·74.*	29·456	25th	29·186	10th	·270	80·7	93·0	+4·4	73·8	+1·6	81·8	+3·0	22·2	100·6	22nd	69·5	15th	31·1
	Veraval	*18*	29·795	−·029	29·756	29·875	18th	29·638	10th	·237	79·0	83·0	−0·6?	76·4	+0·1	79·7	−0·3?	6·6	86·4		73·8	21st	12·6
	Bhavnagar Para	55	29·734	−·022	29·755	29·827	24th	29·589	10th	·238	81·8	95·9	+2·9	77·1	+2·0	86·5	+2·5	18·8	100·2	21st	73·8	16th	26·4
	Surat	39	29·781	−·024	29·763	29·857	18th	29·622	9th	·235	81·2	90·8	+2·2	76·5	+0·8	83·7	+1·5	14·3	97·9	21st	74·5	30th	23·4
	Ahmadabad	163	29·646	−·0.3	29·758	29·730	25th	29·464	10th	·266	83·2	99·5	+7·2	78·5	+2·4	89·0	+4·8	21·0	102·8	21st	75·7	15th	27·2
25	Bombay	37	29·804	−·031	29·781	29·872	18th	29·664	10th	·208	79·8	85·6	+0·9	77·2	+0·5	81·4	+0·7	8·4	87·5	21st & 22nd	75·4	9th	12·1
	Ratnagiri	297	29·631	−·039	29·779	29·700	5th	29·503	9th	·197	79·4	83·9	−0·2	75·4	+0·9	79·7	+0·3	8·5	88·3	26th	73·1	8th & 10th.	15·2
	Marmagao	*60*	29·796	−·049	29·790	29·875	2nd	29·688	9th	·185	78·8	83·1	−0·1	75·4	+0·2	79·3	+0·1	7·7	86·1	27th	73·7	9th & 10th.	12·4
	Karwar	44	29·832	−·025	29·811	29·910	2nd	29·730	9th	·180	77·6	83·7	+1·1	75·0	+1·0	79·3	+1·1	8·7	87·1	25th	73·2	14th & 15th.	13·9

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

* Mean of 29 days.

B—*continued.*

at 217 stations in India, etc., in September, 1915—*continued.*

Wind direction. Number of winds from: Calm.	N.	N.E.	E.	E.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, 1915.	Normal rainfall for period, 1st May to 30th September.	Departure from normal of period, 1st May to 30th September, 1915.	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
																																VI.—Punjab—*concld.*
2	0	0	13	12	2	1	0	0	S 62° E		3·8			77		82	+ 6	·868	+·059	3·3*	+1·0	5	4·2	+0·8	10·09	3·84	+6·25	16·11	20·48	−4·34	5·10	Patiala.
3	1	0	15	9	1	1	0	0	S 72° E	S 39° W	3·0	1·1	+1·9	72	+43	80	− 1	·845	+·043	3·5	+0·5	6	4·5	+1·5	11·25	3·99	+7·26	22·82	24·05	−1·23	5·50	Ambala.
21	1	2	0	4	2	0	0	0	S 60° E	S 20° E	1·6	1·0	+0·6	13	+ 1	78	+ 2	·819	+·051	2·6	−0·1	8	3·8	+4·2	7·34	3·93	+3·41	11·82	23·04	−11·22	2·82	Ludhiana.
9	0	0	6	13	1	1	0	0	S 53° E	S 34° E	1·9	1·5	+0·4	56	+11	72	+ 2	·804	+·015	2·8	+1·2	5	2·5	+2·5	2·73	2·47	+0·26	5·27	15·77	−10·50	1·12	Lahore.
4	3	6	10	5	0	1	0	1	N 77° E	N 73° E	2·2	1·3	+0·9	53	+12	75	+ 3	·802	+·049	3·3	+1·2	4	3·8	+0·2	2·35	3·61	−1·26	8·05	24·52	−16·47	1·49	Sialkot.
5	2	8	6	5	2	0	0	2	N 76° E	N 56° E	1·8	1·1	+0·7	46	+31	70	+ 1	·719	+·000	3·6	+1·5	3	4·3	−1·3	1·18	3·43	−2·25	1·25	23·83	−9·58	0·42	Rawalpindi.
4	0	11	11	2	1	1	0	0	N 77° E	N 65° E	5·7	3·9	+1·8	82	+ 6	55	− 7	·697	−·003?	1·7	+0·4	0	2·1	−2·1	0·14	1·36	−1·22	3·01	10·35	−7·34	0·03	Khushab.
1	0	5	6	7	4	7	0	1	S 43° E		3·1			46		61		·718		1·8		0	2·0	−2·0	0·03	2·17	−2·14	1·96	10·11	−8·15	0·02	Lyallpur.
4	1	3	6	4	7	4	1	0	S 37° E	S 4° W	5·2	5·0	+0·2	37	− 7	56	− 1	·683	+·001	1·3	+0·2	0	1·7	−1·7	0·05	1·34	−1·29	5·05	8·20	−3·15	0·03	Montgomery.
16	1	0	0	2	8	3	0	0	S 4° W	S 5° W	1·0*	1·9	−0·9	37	− 4	63	− 2	·805	+·053	0·3	−0·4	0	0·6	−0·6	0	0·36	−0·36	0·65	5·02	−4·37	0	Multan.
																																VII.—North-West Frontier Province.
22	6	0	0	0	0	1	0	1	N 13° W	N 34° W	1·1	2·0	−0·9	20	−10	67	+ 3	·712	+·064	1·6	+0·2	2	1·5	+0·5	0·79	0·75	+0·04	1·99	5·50	−3·51	0·67	Peshawar.
11	2	12	2	3	0	0	0	0	N 56° E	N 67° E	1·6	1·3	+0·3	49	+19	64	− 5	·758	+·011	1·1	+0·3	0	0·9	−0·9	0	0·59	−0·59	2·11	6·05	−3·94	0	Dera Ismail Khan.
																																VIII.—Sind.
13	0	0	2	10	4	1	0	0	S 35° E	S 48° E	2·4	2·1	+0·3	49	+ 1	69	− 2	·871	+·065	0·6	0	0	0·2	−0·2	0	0·03	−0·03	0·06	2·40	−2·34	0	Jacobabad.
0	1	0	0	1	13	14	0	1	S 24° W	S 39° W	8·8	9·9	−1·1	79	+ 5	69	+ 1	·758	+·032	1·1	−0·4	1	0·6	+0·4	0·49	0·48	−0·08	0·79	6·24	−5·45	0·10	Hyderabad.
0	0	1	1	0	0	10	18	0	S 75° W	S 77° W	9·9	10·7	−0·8	79	− 2	82	0	·828	+·017	4·1	−0·7	0	0·6	−0·6	0	0·41	−0·41	0·25	6·19	−5·94	0	Karachi.
																																IX.—Rajputana.
2	1	1	1	2	2	9	10	4	S 65° W	S 46° W	5·6	5·0	+0·6	53	− 7	49	−16	·628	−·114	0·9	−1·2	0	2·0	−2·0	0	1·26	−1·26	2·65	10·20	−7·55	0	Bikaner.
3	0	1	0	2	0	18	6	0	S 51° W		4·4			69		54	−15	·632	−·090	3·2	−1·1	1	2·5	−1·5	0·31	2·40	−2·09	2·21	12·40	−10·19	0·19	Jodhpur.
4	1	2	7	3	1	3	6	3	S 23° E	N 68° W	3·4	3·1	+0·3	2	−33	67	− 3	·761	+·042	2·8	−0·9	6	4·6	+1·4	2·41	3·42	−1·01	10·66	22·18	−11·52	0·78	Jaipur.
10	0	0	0	2	2	5	7	4	S 71° W	S 89° W	4·0	4·1	−0·1	43	−24	59	−17	·647	−·095	2·9	−0·7	2	3·9	−1·9	0·89	2·57	−1·68	8·74	19·38	−10·64	0·67	Ajmer.
5	4	2	2	3	0	2	9	3	N 60° W		3·9			27		57	−11	·739	−·001	2·0	−1·1	3	5·6	−2·6	1·36	5·04	−3·68	14·90	26·52	−11·62	0·87	Kotah.
																																X.—Bombay.
0	0	0	0	1	4	6	7	12	S 89° W	S 79° W	7·4	6·1	+1·3	62	+ 3	63	− 8	·783	+·007	3·8	−1·1	1	3·5	−2·5	0·64	3·62	−2·98	4·94	23·35	−18·41	0·55	Deesa.
0	2	0	2	0	0	0	26	0	N 85° W	N 87° W	7·8	8·9	−1·1	79	+ 1	70	− 8	·756	−·050	4·0	−0·7	0	2·1	−2·1	0	1·83	−1·83	3·69	13·37	− 9·68	0	Bhuj.
0	0	1	1	0	1	12	12	3	S 72° W		13·2			73		85	+ 8?	·941	+·120?	5·6	+2·6?	3	1·9	+1·1	1·55	2·03	−0·48	8·29	18·85	−10·56	1·02	Jamnagar.
1	1	1	0	0	1	8	15	3	S 83° W		9·6			72		84	+ 1	·847	−·024	4·6	+0·2	1	1·3	−0·3	0·24	1·01	−0·77	7·57	13·66	− 6·09	0·13	Dwarka.
1	0	0	1	2	1	9	14	2	S 69° W	N 87° W	8·9	6·6	+2·3	63	− 8	75	− 6	·779	−·020	5·5	+0·6	4	4·8	−0·8	3·82	3·63	+0·14	10·58	25·62	−15·04	2·10	Rajkot.
6	1	1	0	0	1	1	12	8	N 72° W	N 86° W	6·7	5·8	+0·9	62	+ 7	88	+ 2	·866	+·005	5·5	+0·2	5	3·4	+1·6	2·97	1·80	+1·17	9·79	17·11	− 7·32	1·87	Veraval.
2	0	0	1	1	0	4	10	12	N 76° W	S 63° W	3·9	7·9	−4·0	67	− 6	78	0	·841	+·023	6·2	+1·0	5	5·7	−0·7	2·10	3·65	−1·55	9·55	19·73	−10·18	0·95	Bhavnagar Para.
8	0	1	3	2	3	4	5	4	S 55° W	S 78° W	3·5	5·0	−1·5	23	−29	82	0	·860	+·003	6·5	+0·8	7	7·0	0	3·55	6·05	−2·50	23·26	39·30	−16·04	0·79	Surat.
1	0	0	1	1	1	5	7	14	N 76° W	N 68° W	6·0	2·8	+3·2	62	+ 5	67	−11	·753	−·049	3·9	−1·8	2	4·3	−2·3	0·75	3·62	−2·87	9·86	28·85	−18·99	0·58	Ahmadabad.
0	3	7	4	4	1	3	6	2	N 33° E	S 56° W	5·3	7·9	−1·6	13	− 2	89	+ 2	·898	+·016	7·1	−0·2	11	13·0	−2·0	10·78	10·84	−0·06	73·99	69·39	+ 4·60	2·00	Bombay.
2	14	1	1	2	4	1	3	5	N 74° W	S 73° W	6·3	5·0	+1·3	33	+26	86	− 1	·858	+·002	6·5	+0·2	13	15·3	−2·3	27·67	11·97	+15·70	97·17	96·67	+ 0·50	9·20	Ratnagiri.
12	1	0	0	2	4	0	2	9	N 74° W	N 54° W	5·1	5·4	−0·3	23	−30	95	+ 4	·933	+·043	7·7	+1·3	17	15·3	+1·7	13·77	8·56	+5·21	81·85	87·88	− 6·03	3·60	Marmagao.
23	0	3	0	0	0	3	0	0	*a*	N 36° W	1·2	2·1	−0·9	*a*		92	+ 3	·873	+·045	6·2	+0·2	15	15·8	−0·8	18·83	11·85	+6·98	94·15	114·31	−20·16	3·58	Karwar.

* Mean of 29 days. (*a*) Indeterminate.

Table

(2) Abstract of observations taken at 8 hrs.

Number of sub-division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches. 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
	X.—Bombay —*concld.*																						
26	Malegaon	1,430	28·391	—·007	29·764	28·463	20th	28·231	11th	·232	77·6	90·7	+2·5	70·9	+0·7	80·8	+1·6	19·8	95·8	21st	67·1	15th	28·7
	Ahmadnagar	2,154	27·692	—·017	29·761	27·753	20th	27·538	9th	·215	74·3	85·6	0	67·7	—0·2	76·6	—0·1	17·9	91·6	7th	65·3	4th	28·3
	Poona	1,846	27·999	—·017	29·783	28·051	5th	27·854	9th	·197	74·0	84·7	+0·3	68·5	-0·1	76·6	+0·1	16·2	91·6	20th	64·7	26th	26·9
	Sholapur	1,590	28·236	—·024	29·762	28·319	2nd	25·077	9th	·242	75·8	88·6	+0·3	71·5	+0·9	80·0	+0·6	17·1	94·7	3rd	68·3	1st	26·4
	Bijapur	*1,948*	27·887	—·028	29·762	27·962	2nd	27·741	9th	·221	74·5	86·9	+0·2	70·4	+0·7	78·6	+0·5	16·5	93·2	21st	67·8	5th	25·4
	Belgaum	2,562	27·328	—·014	29·802	27·395	5th	27·215	9th	·180	70·9	80·0	+1·0	65·4	+1·1	73·2	+1·1	13·6	86·5	20th & 21st.	63·1	28th	23·4
	XI.—Central India.																						
20	Neemuch	1,626	28·153	—·018	29·767	28·270	25th	27·964	10th	·306	80·1	95·9	+6·0	75·1	+4·2	85·5	+6·1	20·8	100·7	9th	72·6	21st	28·1
	Indore	1,823	27·975	—·014	29·727	28·073	25th	27·804	10th	·269	78·0	89·1	+4·0	71·6	+1·6	80·3	+2·8	17·5	93·1	21st	68·8	21st	24·3
21	Nowgong	754	28·982	—·007	29·690	29·133	25th	28·792	11th	·341	80·0	88·2	—1·7	75·8	+0·8	82·0	—0·5	12·4	92·8	11th	72·2	30th	20·6
	Sutna	1,041	28·686	—·004	29·676	28·838	25th	28·495	10th	·343	80·1	87·1	—0·8	75·6	+0·9	81·3	+0·1	11·5	92·8	7th	72·0	30th	20·8
	XII.—Central Provinces.																						
22	Buldana	2,134	27·687		29·736	27·764	20th	27·511	10th	·253	75·1	84·7	+1·6	70·0	+0·7	77·3	+1·1	14·7	88·8	21st	66·6	11th	22·2
	Akola	925	28·861	—·016	29·735	28·919	25th	28·647	10th	·272	78·6	90·3	+1·3	73·4	+0·7	81·9	+1·0	16·9	95·2	20th	71·0	11th	24·2
	Amraoti	1,215	27·569	—·007	29·734	27·659	25th & 26th.	27·375	10th	·284	77·4	88·4	+0·2	73·1	+1·0	80·8	+0·6	15·3	94·3	20th	70·3	27th	24·0
23	Khandwa	1,044	28·716	—·009	29·744	28·837	25th	28·574	9th	·263	77·1	90·0	+2·0	73·7	+0·6	81·9	+1·3	16·3	94·4	30th	69·9	11th	24·5
	Hoshangabad	1,006	28·774	+·001?	29·733	28·878	25th	28·602	10th	·276	77·3	88·9	+1·5	73·4	+0·3	81·2	+0·9	15·5	92·5	21st	71·5	3rd	21·0
	Saugor	1,867	27·950	—·024	29·785	28·074	25th	27·774	11th	·300	77·8	86·6	+2·4	72·5	+1·0	80·6	+1·7	16·1	92·2	10th	69·2	12th	23·0
	Jubbulpore	1,327	28·419	—·010	29·686	28·543	25th	28·225	10th	·318	78·9	87·0*	+0·8*	74·3*	+1·6*	81·1*	+1·2*	13·6	91·9	10th	70·9	12th	21·0
	Seoni	2,033	27·756	+·008	29·709	27·865	18th	27·553	10th	·312	77·3	84·5	—0·8	70·6	+0·1	77·5	—0·3	13·9	88·7	15th	67·3	27th	21·4
	Nagpur	1,017	28·753	0	29·715	28·858	25th	28·517	10th	·311	79·5	89·3	+0·3	74·3	+0·5	81·8	+0·4	15·0	93·5	16th	71·3	6th	22·2
24	Pendra	2,030	27·734	+·014	29·694	27·866	26th	27·545	11th	·321	76·7	84·6	0	71·9	+0·7	78·2	+0·3	12·7	88·8	20th	68·6	21st	20·2
	Raipur	970	28·780	—·003	29·695	28·898	25th	28·560	10th	·338	79·1	87·4	—0·6	75·8	+1·1	81·6	+0·3	11·6	92·2	20th	72·1	14th	20·1
	Chanda	*634*	29·133	—·026?	29·712	29·236	26th	28·925	10th	·311	80·0	89·5	+0·6	75·1	+0·8	82·3	+0·7	14·4	92·9	20th	72·8	29th	20·1
	Jagdalpur	1,813	27·969		29·698	28·081	20th	27·770	10th	·311	77·8	85·6		71·9		78·7		13·7	10·2	19th	70·1	6 days	20·1
	XIII.—Hyderabad.																						
27	Aurangabad	1,905	27·927	—·017	29·759	28·001	20th	27·757	9th	·244	75·9	87·0	+0·9	69·4	+0·7	78·2	+0·8	17·6	93·2	21st	66·4	2nd	26·8
	Nizamabad	1,248	28·545	0	29·734	28·632	20th	28·345	9th	·287	77·8	87·8	+1·0	75·2	+0·7	80·5	+0·9	14·6	91·1	16th	70·9	17th	20·2
	Bidar	*2,165*									75·9	84·7	+0·8	69·9?	+2·4?	77·3?	+1·6?	14·8	90·5	21st	67·4	1st & 12th.	23·1
28	Gulbarga	1,503	28·307	—·032	29·746	28·393	2nd	28·135	9th	·261	75·9	89·7	+1·9	71·8	+0·3	80·8	+1·3	17·9	96·0	21st	63·8	1st	27·2
	Raichur	*1,311*	28·518	—·013	29·768	28·609	2nd	28·355	8th	·254	77·3	90·1	+1·9	72·5	+0·1	81·3	+1·0	17·6	96·5	15th	65·7	30th	26·8
	Hyderabad (Deccan)	1,738	28·069	—·021	29·734	28·100	20th	27·893	9th	·267	75·7	85·5	—0·5	72·3	+0·2	78·9	—0·1	13·2	90·4	23rd	69·5	30th	20·9
	Hanamkonda	877	28·914	—·004	29·732	29·031	20th	28·704	9th	·327	80·1	89·1	+1·2	76·0	+1·4	82·5	+1·3	13·1	92·0	23rd	71·7	23rd	20·3
	XIV. Mysore.																						
29	Chitaldrug	2,405	27·478	—·015	29·787	27·557	2nd	27·361	9th	·196	73·2	85·6	+2·2	68·9	+1·6	77·2	+1·9	16·7	92·4	21st	65·9	18th	26·5
	Hassan	3,149	26·781	—·020	29·792	26·818	2nd	26·669	9th	·179	70·6	82·4	+1·9	66·0	+1·7	74·2	+1·8	16·4	87·3	15th	63·4	12th	23·9
	Bangalore	3,021	27·901	—·020	29·792	27·981	2nd	27·793	9th	·188	71·1	83·8	+1·9	66·7	+1·3	75·2	+1·6	17·1	89·6	15th	64·3	12th	25·3
	Mysore	2,518	27·389	—·026	29·801	27·464	2nd	27·304	9th	·160	73·1	84·5	+0·5	67·9	+1·6	76·2	+1·1	16·6	91·3	14th	64·7	12th	26·6

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

* Mean of 29 days.

B—*continued.*

at 217 stations in India, etc., in September, 1915—*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 Sept. 1915.	Normal rainfall for period, 1st May to 30th September.	Departure from normal of period, 1st May to 30th September, 1915.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																X.—Bombay—*concld.*
5	2	1	0	1	2	14	5	0	S 53° W	N 87° W	4·9	6·6	−1·7	56	−14	78	+ 2	·740	+·034	5·2	+0·5	10	7·8	+2·2	5·75	6·10	−0·35	18·97	19·76	−0·79	1·12	Malegaon.
3	2	0	0	3	2	1	10	9	N 77° W	N 70° W	5·3	9·1	−3·8	49	−40	82	+ 2	·692	+·019	5·2	−0·2	10	8·5	+1·5	11·04	6·72	+4·32	29·75	18·61	+11·14	3·27	Ahmadnagar.
3	0	0	0	0	0	2	6	19	N 60° W	N 87° W	5·6	8·1	−2·5	79	+ 9	86	+ 5	·722	+·044	4·5	−2·4	11	7·4	+3·6	8·80	4·71	+4·09	33·67	21·59	+12·08	2·37	Poona.
2	1	2	1	2	0	1	7	14	N 53° W	N 68° W	7·1	6·1	+1·0	56	−11	82	+ 5	·724	+·049	7·0	0	13	9·3	+3·7	11·79	8·40	+3·39	23·22	23·87	−0·65	2·95	Sholapur.
6	3	0	0	1	1	3	12	4	N 83° W	N 87° W	6·2	5·3	+0·9	53	−22	81	0	·687	+·001	5·4	−0·9	15	9·1	+5·9	12·35	6·26	+6·09	20·71	15·52	+5·19	5·03	Bijapur.
11	3	0	1	2	0	0	13	0	N 82° W	N 81° W	8·0	11·5	−3·5	37	−33	92	+ 3	·697	+·037	8·3	+0·8	14	8·9	+5·1	11·04	4·59	+6·45	45·15	40·62	+4·53	3·00	Belgaum.
																																XI.—Central India.
6	0	0	2	0	1	2	19	0	S 83° W	N 89° W	7·4	6·4	+1·0	59	+ 4	69	−11	·702	−·039	3·0	−1·0	3	6·6	−3·6	0·86	5·07	−4·21	13·45	27·33	−13·88	0·38	Neemuch.
3	1	0	0	3	0	0	6	17	N 56° W	N 60° W	4·5	3·0	+1·5	62	+10	80	− 5	·761	+·020	5·1	−1·5	6	8·6	−2·6	6·08	7·05	−0·97	24·24	30·67	−6·43	3·10	Indore.
11	4	5	2	1	1	2	4	0	N 10° E	N 89° W	1·5	1·7	−0·2	13	−26	86	+ 3	·888	+·058	5·9	+0·8	11	7·1	+3·9	5·85	6·06	−0·21	43·96	39·77	+4·19	1·67	Nowgong.
4	2	2	4	4	2	4	6	2	S 36° W	N 69° W	2·7	4·5	−1·8	13	−25	85	+ 3	·871	+·043	5·4	0	9	8·8	+0·2	8·95	6·82	+2·13	40·74	39·21	+1·53	3·68	Satna.
																																XII.—Central Provinces.
1	0	0	2	2	0	2	14	9	N 81° W		5·6	5·9	−0·3	60		82		·715		6·5		8	9·2	−1·2	3·27	7·35	−4·08	26·24	30·73	−4·49	1·18	Buldana.
1	0	1	2	2	0	1	16	7	N 79° W	N 69° W	4·9	4·7	+0·2	56	−18	78	− 2	·758	0	6·6	+0·4	4	8·4	−4·4	4·18	5·95	−1·77	24·31	28·50	−4·19	2·08	Akola.
2	1	2	5	1	0	1	15	3	N 74° W	S 88° W	4·4	3·9	+0·5	37	−22	82	− 1	·765	0	5·3	−0·7	9	8·2	+0·8	9·55	6·06	+3·49	29·43	29·61	−0·18	3·80	Amraoti.
29	0	0	0	0	0	0	0	1	N 45° W	N 79° W	5·2	4·7	+0·5	3	−75	83	+ 1	·773	+·020	5·7	+0·4	5	7·5	−2·5	2·95	6·45	−3·50	21·49	27·55	−6·06	1·37	Khandwa.
1	0	0	3	2	0	16	7	1	S 50° W	S 51° W	2·7	1·9	+0·8	62	+14	87	+ 1	·814	+·015	5·1	−1·0	10	10·0	0	6·33	9·06	−2·73	41·78	45·86	−4·08	1·33	Hoshangabad.
2	1	3	4	2	0	0	17	1	N 77° W	S 80° W	5·2	3·2	+2·0	33	−11	82	0	·779	+·035	4·3	−0·6	7	9·5	−2·5	5·80	7·32	−1·52	40·76	42·64	−1·88	2·68	Saugor.
1	1	3	2	3	4	5	8	3	S 59° W	S 66° W	1·9	2·2	−0·3	27	− 6	83	− 2	·811	+·017	5·0	−0·5	7	10·0	−3·0	4·14	7·86	−3·72	66·21	51·02	+15·19	1·44	Jubbulpore.
4	4	4	2	3	1	4	4	4	N 37° W	N 53° W	2·9	2·8	+0·1	17	−13	82	− 1	·763	+·020	4·7	−0·2	10	11·2	−1·2	7·44	9·14	−1·70	43·14	47·32	−4·18	1·57	Seoni.
1	5	1	3	4	1	2	2	11	N 29° W	N 72° W	4·2	3·9	+0·3	33	0	80	− 1	·799	+·013	5·0	−1·1	14	11·0	+3·0	9·96	8·57	+1·39	42·14	44·17	−2·03	1·77	Nagpur.
5	3	2	3	3	6	3	1	4	S 11° E		3·3			10		86	+ 3	·784	+·043	4·5	−0·8	12	10·1	+1·9	7·96	5·88	+2·08	43·62	43·15	+0·47	3·38	Pendra.
1	0	1	5	2	4	7	7	3	S 43° W	S 63° W	3·7	4·3	−0·6	33	− 1	88	+ 4	·872	+·043	4·7	−1·1	12	10·5	+1·5	6·70	7·82	−1·12	45·59	45·15	+0·44	1·62	Raipur.
10	0	1	1	2	1	4	7	4	S 79° W	N 79° W	4·9	2·9	+2·0	30	+ 6	85	+ 3	·862	+·044	5·5	−0·4	10	11·2	−1·2	6·95	9·83	−2·88	36·43	48·31	−11·88	1·46	Chanda.
16	0	3	0	1	1	3	3	3	N 84° W		0·7			15		83		·795		2·0		13			7·91			47·92			1·45	Jagdalpur.
																																XIII.—Hyderabad.
2	0	1	2	2	1	5	11	6	S 86° W		7·6			49		79	+ 1	·702	+·016	7·0	+1·2	9	8·9	+0·1	5·05	7·09	−2·04	25·54	24·96	+0·58	1·88	Aurangabad.
2	6	1	1	3	2	3	6	6	N 61° W		2·8			33		82	+ 1	·771	+·011	5·6	−0·7	12	9·9	+2·1	9·00	10·09	−1·09	29·87	36·35	−6·48	3·30	Nizamabad.
9	3	0	0	3	0	9	2	4	S 72° W		4·6			30		81	− 2	·729	+·026	7·1	+2·2	12	11·2	+0·8	11·48	9·75	+1·73	27·09	30·87	−3·78	3·50	Bidar.
1	2	0	4	2	2	2	11	6	N 83° W	N 51° W	6·4	7·9	−1·5	37	−21	81	+ 1	·718	+·007	6·4	+0·1	9	11·5	−2·5	5·05	8·56	−3·51	16·02	27·54	−11·52	1·80	Gulbarga.
0	1	0	1	6	0	6	8	8	S 82° W	S 89° W	8·4	7·1	+1·3	43	−26	82	+ 4	·762	+·051	3·1	−2·1	13	10·8	+2·2	6·13	7·62	−1·49	16·14	23·06	−6·92	1·15	Raichur.
3	0	0	0	4	0	3	6	14	N 72° W	N 83° W	6·2	4·1	+2·1	53	−14	85	+ 4	·752	+·028	6·9	+0·6	11	9·2	+1·8	14·41	6·92	+7·49	43·12	24·88	+18·24	4·01	Hyderabad (Deccan).
0	2	0	0	6	6	1	8	7	S 67° W		4·4			33		77	0	·783	+·012	6·5	+0·6	6	9·3	−3·3	3·65	7·28	−3·63	28·45	30·11	−1·66	1·55	Hanamkonda.
																																XIV.—Mysore.
7	0	0	0	1	1	9	9	3	S 70° W	S 80° W	5·3	6·4	−1·1	59	−27	83	+ 1	·673	+·028	7·1	−0·7	11	7·4	+3·6	5·53	4·09	+1·44	17·54	16·93	+0·61	1·53	Chitaldrug.
1	3	2	0	1	1	5	13	4	N 83° W	N 79° W	6·3	2·6	+3·7	53	−23	85	+ 2	·636	+·019	7·0	−0·9	8	7·7	+0·3	2·10	3·95	−1·85	19·72	22·68	−2·96	0·63	Hassan.
1	2	1	1	2	0	6	15	2	S 85° W	S 82° W	6·0	5·1	+0·9	56	−25	87	+ 1	·681	+·053	7·8	−0·2	10	9·4	+0·6	9·58	6·76	+2·82	26·70	23·63	+3·07	2·80	Bangalore.
1	1	0	1	0	1	11	12	3	S 75° W	S 74° W	5·9	7·3	−1·4	72	+ 1	81	− 1	·661	+·020	7·5	−0·3	11	7·9	+3·1	8·02	4·59	+3·43	29·34	18·60	+10·74	3·71	Mysore.

Table

(2) Abstract of observations taken at 8 hrs.

Number of sub-division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches. 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
	XV.—Madras.																						
30	Mangalore	72	29·819	−·041	29·822	29·876	3rd & 4th	29·742	9th	·154	79·2	84·7	+0·8	75·4	+2·0	80·0	+1·4	9·3	87·3	4th	72·4	8th	14·9
	Calicut	27	29·861	−·010	29·817	29·935	3rd & 4th	29·787	12th	·148	74·5	83·5	−0·3	75·9	+1·7	79·7	+0·7	7·6	86·6	3rd	74·1	8th & 10th.	12·5
	Cochin	9	29·897	−·033	29·833	29·966	4th	29·844	20th	·122	79·2	85·3	+0·4	75·6	+1·1	80·5	+0·7	9·7	87·9	1st	73·4	8th	14·5
	Trivandrum	198	29·713	−·019	29·842	29·787	3rd	29·658	9th	·129	78·2	83·9	+1·1	75·1	0	79·5	+0·5	8·8	86·9	3rd	74·0	9th, 10th & 29th.	12·9
31	Pamban	37	29·829	−·015	29·794	29·912	2nd	29·754	10th	·158	84·7	89·5	−0·1	79·4	+1·1	84·4	+0·5	10·1	91·2	4 days	75·5	25th	15·7
	Madura	447	29·406	−·021	29·781	29·494	2nd	29·311	9th	·183	82·0	92·8	−2·3?	76·2	+1·0	84·5	−0·7?	16·6	98·6	14th	68·6	1st	30·0
	Pudukkottai	318	29·536	−·004	29·765	29·617	2nd	29·448	9th	·169	81·6	94·3	−0·1	76·1	+0·5	85·2	+0·2	18·2	101·3	14th	72·4	16th	28·9
	Negapatam	31	29·825	−·011	29·785	29·918	2nd	29·727	10th	·191	81·7	91·9	−0·8	77·5	+0·8	84·7	0	14·4	96·8	14th	73·5	5th	23·3
	Trichinopoly	255	29·601	−·017	29·789	29·685	2nd	29·505	9th	·180	81·9	94·9	−0·3	76·4	+0·6	85·7	+0·1	18·5	102·1	15th	71·8	22nd	30·3
	Coimbatore	1,341	28·512	−·002	29·815	28·619	2nd	28·435	9th	·184	77·1	88·5	−0·6	72·1	+1·4	80·3	+0·4	16·4	92·4	7th	69·2	19th	23·2
	Salem	913	28·952	−·010	29·799	29·039	2nd	28·851	9th	·188	78·7	91·5	0	73·3	+1·0	82·4	+0·5	18·2	98·2	15th	70·4	3rd	27·8
	Cuddalore	37	29·805	−·013	29·772	29·895	2nd	29·687	10th	·208	82·3	92·4	+0·2	77·5	+1·3	84·9	+0·7	14·9	99·9	11th	73·9	29th	26·0
	Vellore	707	29·137	−·008	29·779	29·236	2nd	29·020	9th	·216	80·1	92·1	+0·6	74·4	−1·2?	83·2	−0·3?	17·7	99·1	14th	69·6	17th	29·5
	Madras	22	29·804	−·018	29·758	29·903	2nd	29·673	10th	·230	82·4	92·9	−0·1	77·7	+0·6	85·3	+0·3	15·2	101·4	11th	72·8	17th	28·6
32	Cuddapah	428	29·393	−·028	29·762	29·495	2nd	29·246	9th	·249	82·4	93·3	+3·1	78·0	+2·0?	87·1	+2·5?	18·3	100·5	14th	72·7	29th	27·8
	Bellary	1,475	28·355	−·031	29·760	28·449	2nd	28·213	9th	·236	78·1	91·5	+0·9	73·1	+0·2	82·3	+0·5	18·4	98·3	15th	68·0	17th	30·3
	Kurnool	923	28·905	−·009	29·769	29·001	2nd	28·742	9th	·259	77·7	89·5	−0·1	74·7	+1·3	82·1	+0·6	14·8	95·1	15th	68·8	17th	26·3
33	Nellore	66	29·736	−·020	29·739	29·822	2nd	29·597	9th & 10th	·225	82·5	94·0	−0·6	77·8	+0·1	85·9	−0·3	16·2	100·4	15th	72·9	27th	27·5
	Masulipatam	15	29·781	−·011	29·731	29·887	20th	29·612	9th	·275	82·2	90·0	−0·8	77·8	+0·2	83·9	−0·3	12·2	95·3	15th	73·2	16th	22·1
	Cocanada	26	29·761	+·005	29·724	29·881	20th	29·586	10th	·295	82·3	89·9	+0·1	78·7	+0·4	84·3	+0·3	11·2	96·2	14th	75·2	29th	21·0
	Waltair (Vizagapatam).	*226*	29·539	+·009	29·716	29·680	20th	29·340	12th	·340	81·4	87·7	−0·8	77·6	−0·3?	82·6	−0·5?	10·1	92·1	29th	73·9	2nd	18·2
	Calingapatam	19	29·745		29·702	29·880	20th	29·535	12th	·345	82·4	89·9		78·4		84·2		11·5	93·5	29th	75·5	30th	18·0
	Gopalpur	33	29·725	+·010	29·698	29·852	20th	29·525	12th	·327	81·6	87·9	−0·3	78·9	+0·5	83·4	+0·1	9·0	91·0	22nd	74·7	6th	16·3
	Bay Islands.																						
1	P. V. Fraser	8	29·756		29·764	29·915	25th	29·558	11th	·357	82·3												
	Port Blair	58	29·808	−·013	29·795	29·877	2nd	29·729	10th	·148	81·5	86·4	+1·5	77·3	+0·7	81·9	+1·1	9·1	90·4	22nd & 24th.	74·3	6th	16·1
	Table Island	90	29·753	+·008	29·776	29·843	20th	29·658	10th	·185	81·2	85·1	+0·6	77·3	+0·5	81·2	+0·6	7·8	88·1	22nd	73·5	12th	14·6
	Kashmir.																						
19	Muzaffarabad	2,475	27·387			27·510	25th	27·238	10th	·302	75·4	93·1		63·6		81·3		23·5	97·3	21st & 23rd.	61·3	11th	36·0
	Srinagar	5,204	24·830	−·015	24·801	24·935	17th	24·711	10th	·224	66·5	84·8	+5·4	58·9	+4·9	71·9	+5·1	25·9	89·6	2nd	49·0	12th	40·6
	Gulmarg	*8,569*	21·864	−·012	21·832	21·585	25th	21·719	9th	·266	60·3	69·9	+6·7	45·7	+2·7	57·8	+4·7	24·2	75·3	24th	36·3	11th	39·0
	Dras	*10,059*	20·833	+·022	20·801	20·939	19th & 20th	20·717	10th	·22[illegible]	53·0	71·6	+1·2	45·2	+5·7	58·4	+3·5	26·4	77·2	23rd	37·5	12th	39·7
	Leh	*11,503*	19·769	+·029	19·737	19·901	19th	19·635	10th	·26[illegible]	54·1	71·8	+1·5	44·0	+2·4	57·9	+1·9	27·8	77·8	25th	37·5	12th	40·3
	Skardu	*7,505*	22·827	−·017	22·797	22·936	19th	22·685	3rd	·251	63·9	83·8	+6·3	57·5	+3·7	70·6	+5·0	26·3	91·6	3rd	48·9	11th	42·7
	Gilgit	4,890	25·053	−·004	25·026	25·142	18th	24·884	1st	·258	75·2	93·1	+6·0	65·1	+0·8	79·1	+3·4	28·0	98·2	20th	55·2	11th	43·0

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

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

B—*continued.*

at 217 stations in India, etc., in September, 1915—*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 Sept., 1915	Normal rainfall for period, 1st May to 30th Sept.	Departure from normal in period, 1st May to 30th Sept. 1915.	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
																																XV.—Madras.
2	3	1	8	5	1	1	5	4	N 70° E	N 52° E	4·2	1·6	+2·6	13	+ 2	87	0	·863	+·030	7·4	−0·1	13	15·9	−2·9	8·84	10·77	− 1·93	91·46	115·22	−23·76	2·43	Mangalore.
14	2	1	4	2	0	0	3	4	N 4° E	N 30° W	3·7	5·2	−1·5	14	−19	93	+ 4	·891	+·057	6·9	+0·4	15	11·7	+3·3	12·48	7·21	+ 5·27	95·79	96·44	− 0·65	2·73	Calicut.
8	1	5	5	2	2	2	3	2	N 75° E	N 5° E	4·8	3·7	+1·1	13	−28	87	+ 2	·860	+·021	6·9	+0·6	18	13·9	+4·1	14·89	8·71	+ 6·18	98·03	84·20	+13·83	2·78	Cochin.
8	7	0	0	1	0	0	4	10	N 38° W	N 16° W	5·0	5·9	−0·9	53	−28	88	+ 5	·849	+·051	7·5	+0·6	17	7·6	+9·4	15·80	3·83	+11·97	57·64	36·72	+20·92	3·58	Trivandram.
3	0	0	0	2	13	10	1	1	S 19° W	S 42° W	9·5	7·1	+2·4	72	+20	79	+ 2	·862	−·003	3·6	+0·3	5	2·0	+3·0	4·54	1·20	+ 3·34	7·07	3·36	+ 3·71	1·87	Pamban.
0	4	3	1	0	0	1	9	12	N 47° W	N 29° W	4·0	2·1	+1·9	66	−12	73	+ 4	·795	+·048	7·2	+2·3?	7	6·8	+0·2	7·33	5·29	+ 2·04	18·55	15·62	+ 2·93	2·73	Madura.
13	2	0	0	0	1	4	8	7	N 75° W		3·6			37		73	+ 5	·782	+·058	5·6	−1·3	7	6·8	+0·2	3·42	3·83	− 0·41	19·08	18·00	+ 1·08	1·10	Pudukkottai.
1	0	1	0	0	1	18	8	0	S 58° W	S 72° W	5·6	4·0	+1·6	79	+ 5	83	+ 9	·889	+·075	5·4	+0·2	9	6·2	+2·8	5·13	3·70	+ 1·43	12·00	12·51	− 0·51	1·14	Negapatam.
3	0	0	0	0	1	9	11	6	S 82° W	N 87° W	4·4	4·7	−0·3	69	− 1	73	+ 1	·787	+·030	5·2	−0·4	9	6·0	+3·0	6·37	4·38	+ 1·99	15·75	14·65	+ 1·10	2·05	Trichinopoly.
6	0	1	1	0	5	15	2	0	S 36° W	S 33° W	4·5	4·0	+0·5	62	−12	78	−6?	·724	−·021†	4·2	−0·9	5	3·1	+1·9	3·80	1·42	+ 2·38	12·72	8·05	+ 4·67	2·27	Coimbatore.
3	2	0	1	0	7	5	11	1	S 61° W	S 43° W	3·7	2·5	+1·2	53	− 7	84	+ 4	·818	+·037	5·7	−0·4	9	8·8	+0·2	7·84	6·54	+ 1·30	28·29	25·69	+ 2·60	2·54	Salem.
10	0	0	0	0	0	20	0	0	S 45° W	S 84° W	4·2	1·9	+2·3	66	− 4	75	−5?	·817	−·046?	5·6	+0·5	6	7·1	−1·1	3·33	6·28	− 2·95	12·96	16·85	− 3·89	0·90	Cuddalore.
19	0	0	0	0	0	0	10	1	N 86° W		2·2			13		81	+ 8	·827	+·075	5·3	+0·5	9	9·0	0	7·42	7·87	− 0·45	25·69	26·36	− 0·67	1·56	Vellore.
0	0	1	0	2	4	15	8	0	S 47° W	S 63° W	4·1	4·4	−0·3	73	+ 2	79	+ 1	·863	+·010	6·3	0	7	7·4	−0·4	9·36	5·14	+ 4·22	21·03	17·15	+ 3·88	3·91	Madras.
3	2	2	2	2	0	1	10	8	N 59° W	N 83° W				43	−35	71	−3?	·774	−·001?	5·7	−1·3	8	8·5	−0·5	5·39	6·32	− 0·93	17·03	21·17	− 4·14	1·32	Cuddapah.
4	1	0	1	1	0	4	12	7	N 83° W	N 79° W	6·0	6·7	−0·7	59	−19	74	+ 4	·702	+·048	6·2	−0·8	13	7·2	+5·8	10·02	4·54	+ 5·48	23·13	12·69	+10·44	4·10	Bellary.
3	0	2	2	1	0	6	10	6	N 87° W	N 88° W	5·7			46	− 2	81	+ 3	·767	+·023	6·7	+0·1	10	9·8	+0·2	6·17	6·41	− 0·24	17·22	20·98	− 3·76	1·10	Kurnool.
9	1	0	0	0	2	3	10	5	N 89° W	N 68° W	3·5	4·9	−1·4	52	− 7	79	+ 5	·860	+·031	6·8	−0·8	7	6·3	+0·7	2·78	4·55	− 1·77	12·14	12·73	− 0·59	0·80	Nellore.
5	1	0	0	1	4	6	6	7	S 78° W	N 68° W	5·2	4·2	+1·0	46	−13	83	− 1	·907	−·015?	7·6	+0·6	9	9·2	−0·2	8·25	5·80	+ 2·45	35·12	24·48	+10·64	2·10	Masulipatam.
7	2	0	0	0	0	6	12	3	S 90° W	N 87° W	5·2	4·7	+0·5	61	− 4	85	+ 3	·934	+·038	6·6	+0·4	10	8·3	+1·7	4·58	5·98	− 1·40	24·33	23·14	+ 1·19	1·81	Cocanada.
5	2	1	1	0	4	12	3	2	S 53° W	N 83° W	4·1			46	−21	86	+7?	·934	+·036	6·9	−0·4	9	9·1	−0·1	5·33	7·15	− 1·82	33·24	23·63	+ 9·61	1·44	Waltair (Vizagapatam).
8	3	3	1	0	1	4	5	5	N 60° W		5·0			30		85		·934		4·8		10	7·8	+2·2	11·01	4·57	+ 6·44	26·28	24·72	+ 1·56	5·11	Calingapatam.
1	8	1	1	0	8	8	1	2	S 61° W	N 61° W	8·0	6·8	+1·2	23	−18	87	+ 2	·929	+·001	6·5	+2·7	13	9·8	+3·2	11·41	7·53	+ 3·88	33·56	30·13	+ 3·43	2·85	Gopalpur.
																																Bay Islands.
0	1	3	4	3	9	8	2	0	S 4° E					47		88		·973		6·4		14			5·89			27·82			2·00	P. V. Fraser.
6	0	0	1	1	2	4	11	5	S 33° W	S 61° W	5·6	6·9	−1·3	53	−13	84	− 6	·904	−·011	7·5	−0·4	19	20·4	−1·4	16·92	18·55	− 1·63	59·96	85·18	−25·22	2·82	Port Blair.
1	0	0	1	3	3	10	10	2	S 55° W		11·6			59		87	− 3	·927	−·012	7·2	−1·3	16	16·4	−0·4	9·31	11·23	− 2·52	44·48	63·85	−19·37	1·80	Table Island.
																																Kashmir.
27	0	1	1	0	0	1	0	0	E		0·6			3		72		·639		1·7		3			3·30			23·09			1·60	Muzaffarabad.
9	2	0	1	10	5	0	0	3	S 37° E	S 43° E	2·8	2·4	+0·2	33	+ 8	74	−12	·483	+·021	2·9	−0·3	4	3·8	+0·2	1·40	1·82	− 0·42	4·65	11·46	− 6·81	0·76	Srinagar.
22	0	1	1	3	1	2	0	0	S 33° E		2·3			17		65	−14	·342	+·001	3·6	+0·7	4	5·6	−1·6	1·17	3·39	− 2·22	12·78*	16·25†	− 3·57	0·38	Gulmarg.
24	0	0	0	0	0	2	3	1	S 82° W		6·3			17		64	+ 1	·257	+·013	3·4	+0·6	1	2·1	−1·1	0·23	1·31	− 1·08	1·87	6·40	− 4·53	0·20	Dras.
27	0	0	0	0	2	1	0	0	S 15° W	N 85° W	2·3	1·4	+0·9	10	−40	55	+ 5	·227	+·034	4·2	+0·8	0	0·7	−0·7	0·10	0·28	− 0·18	0·72	1·65	− 0·93	0·06	Leh.
26	0	0	0	1	1	1	1	0	S 23° W		3·4			7		46	−15	·267	−·049	2·7	−0·8	0	1·5	−1·5	0·11	1·08	− 0·98	1·62	3·67	− 2·05	0·06	Skardu.
28	0	0	0	1	0	1	0	0	S		0·2			5		52	+ 3	·455	+·074	1·3	−2·1	0	1·2	−1·2	0·10	0·37	− 0·27	1·50	2·75	− 1·25	0·05	Gilgit.

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

* Rainfall since 4th June 1915.
† Rainfall since 1st June.

Table

(2) Abstract of observations taken at 8 hrs.

Number of sub-division	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches. 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
	Baluchistan.																						
15	Fort Sandeman	4,614	25·320		25·289	25·467	25th	25·227	22nd	·240	73·7	96·1		68·4		82·6		27·7	101·7	2nd & 3rd	63·5	12th	38·2
	Quetta	5,502	24·595	—·012	24·555	24·686	25th	24·468	10th	·218	58·6	89·5	+3·8	51·2	+2·0	70·3	+2·9	38·3	94·3	21st	46·2	10th	48·1
	Chaman	4,311	25·606	—·036	25·568	25·706	25th	25·483	10th	·223	74·8	94·2	+5·4	66·2	+6·0	80·2	+5·7	28·0	99·1	21st	61·0	7th & 8th	38·1
	Kalat	6,630	23·735		23·697	23·829	25th	23·613	10th	·216	56·4	87·2	+1·8	48·7	+10·3	68·0	+6·1	38·5	92·0	21st	42·1	8th	49·9
	Dalbandin	2,772	27·062		26·965	27·106	7th	26·892	10th	·214	70·4	102·2		61·8		82·0		40·4	107·6	22nd	56·8	11th	50·8
	Pasni		29·758		29·719	29·872	25th	29·552	10th	·320	78·7	89·3		71·6		80·5		17·7	95·8	10th	60·4	9th	35·4
	Panjgur		26·642		26·600	26·732	25th	26·531	10th	·201	70·1	99·1		66·9		83·0		32·2	104·4	1st	61·0	11th	43·4
	Robat		26·819		26·777	26·908	25th	26·717	1st	·191	76·2	102·5		71·7		87·1		30·8	108·4	20th	67·1	7th & 11th	41·3
	Hill stations, excluding Kashmir and Baluchistan.																						
	Para Chinar	6,000	24·425	+·022	24·401	24·521	25th	24·318	1st	·203	71·5	84·3	+2·7	61·4	+2·5	72·8	+2·6	22·9	88·8	23rd&24th	53·7	29th	35·1
	Cherat	*4,256*	25·666	+·023	25·634	25·819	25th	25·499	10th	·320	73·4	85·6	+0·6	68·0*	+2·3*	76·7*	+1·5	17·6	93·4	2nd	59·6	25th	33·8
	Drosh		25·001†			25·100	8th & 25th.	24·875	1st	·225	73·3	92·0	+3·3	70·5	+6·2	81·2	+4·7	21·5	100·9	20th	59·4	8th	41·5
	Murree	6,333	23·353	+·025	23·821	23·976	25th	23·718	11th	·258	64·3	72·9	—0·4	60·5	+2·0	66·7	+0·8	12·4	97·1	2nd	53·1	5th	26·0
	Simla	7,232	23·124	+·032	23·086	23·253	25th	22·991	11th	·262	60·9	66·0	—0·1	58·2	+1·6	62·1	+0·7	7·8	69·2	22nd	54·1	14th	15·1
	Sarain		23·141	+·006	23·103	23·249	25th	23·004	11th	·245	56·2	69·7	+0·2	53·3	+1·0	61·5	+0·6	16·4	74·0	1st	47·9	10th&12th	26·1
	Kalabagh		20·147		20·109	20·278	25th	20·027	11th	·251	48·9	54·0		44·2		49·1		9·8	58·4	22nd	41·2	29th	17·2
	Chakrata	7,072	23·406	?	23·366	23·549	25th	23·263	11th	·286													
	Mukteswar	7,592	22·864	+·024	22·823	22·986	25th	22·716	11th	·270	59·7	67·3	—1·8	55·9	+0·5	61·6	—0·7	11·4	72·5	20th&21st	52·0	15th	20·5
	Darjiling	7,432	22·984	+·026	22·939	23·089	28th	22·843	10th	·246	60·7	68·7	+3·8	56·8	+1·1	62·7	+2·5	11·9	74·1	16th	50·1	27th	24·0
	Shillong	4,920	25·119	+·019	25·071	25·224	25th	24·961	10th	·263	67·6	74·5	—0·4	61·4	—0·6	68·0	—0·5	13·1	79·9	16th	54·6	30th	25·3
	Cherrapunji	4,309	25·668	+·023	25·619	25·760	25th	25·511	10th	·249	68·1	73·2	—0·6	64·0	—0·7	68·6	—0·7	9·2	81·6	16th	58·1	1st	23·5
	Maymyo	3,546	26·422	+·042	26·367	26·560	20th	26·289	9th	·271	68·7	77·3	0	64·8	+0·4	71·1	+0·2	12·5	84·2	15th	59·1	27th	25·1
	Pachmarhi	3,528	26·350	—·018	26·297	26·446	25th	26·179	10th	·267	72·5	79·1	+1·9	67·2	+0·9	73·2	+1·4	11·9	82·0	21st&24th	63·1	26th&27th	18·9
	Mount Abu	3,945	25·974	—·009	25·924	26·087	30th	25·818	10th	·269	73·5	81·7	+6·6	68·0	+3·4	74·8	+5·0	13·7	86·8	10th	63·0	6th	23·8
	Mercara	3,781	26·181	—·029	26·114	26·248	2nd&3rd	26·105	9th	·143	66·4	74·5	+2·7	62·4	+0·6	68·5	+1·7	12·1	80·0	21st&26th	60·4	6th	19·6
	Ootacamund	*7,327*	23·035	+·005	22·971	23·096	2nd	22·946	9th	·150	58·4	65·4	+1·8	52·6	+1·5	59·0	+1·7	12·8	69·5	2nd & 14th	50·2	1st & 2nd	19·3
	Kodaikanal	7,638	22·812	—·001	22·747	22·875	2nd	22·726	9th	·149	58·4	65·9	+2·8	53·6	+1·4	59·7	+2·1	12·3	70·6	28th	51·5	2nd	19·1
	Extra India.																						
	Singapore(a)	10	29·851	—·091	29·782	29·932	27th	29·787	11th	·145	83·0	88·3	+0·4	74·7	+0·7	81·5	+0·5	13·6	91·0	14th	72·0	3rd	19·0
	Penang (a)	17	29·841	—·069	29·783	29·908	27th	29·789	28th	·119	81·7	87·1	—1·3	73·1	—1·0	80·1	—1·1	14·0	90·0	21st	71·0	5th, 10th & 19th.	19·0
	Trincomalee	99	29·758	—·016	29·785	29·848	2nd	29·663	10th	·185	79·5	84·2	+3·7P	77·5	+0·9	85·9	+2·3P	16·7	93·5	14th	73·4	18th	25·1
	Colombo	24	29·894	—·024	29·843	29·959	2nd	29·835	15th	·124	78·1	85·1	—1·2	75·6	—1·5	80·3	—1·3	9·5	87·1	15th	71·6	21st	15·5
	Hambantota	64	29·841		29·831	29·934	2nd	29·776	10th	·158	77·9	86·4		76·4		81·4		10·0	91·2	24th	72·8	29th	18·4
	Minicoy	7	29·924	—0.23		29·964	3rd	29·877	11th	·107													
	Amini Divi	*13*	29·891	—·038	29·832	29·964	2nd	29·832	12th	·132	81·1	86·7	+1·4	77·6	+0·5	82·2	+0·9	9·1	89·8	2nd & 3rd	73·7	21st	16·1
	Gyantse	13,120	18·569		18·530	18·665	21st & 25th.	18·446	10th	·219	49·3	64·0		36·2		50·1		27·8	69·8	16th	20·4	28th	49·4
	Pharijong	14,400																					
	Gangtok	5,567	24·442	—·003	24·397	24·566	28th	24·293	9th	·273	67·5	76·3	+2·4	61·0	+7·4	68·7	+4·9	15·3	81·4	16th	57·4	27th	24·0
	Gartok†	15,100									49·6	58·0		36·1		47·1		21·9	64·7	3rd	26·3	23rd	38·4

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

† Aneroid.

* Mean of 29 days.

(a) Nine hours observations.

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

B—*continued.*

t 217 stations in India, etc., in September, 1915—*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, 1915.	Normal rainfall for period, 1st May to 30th September.	Departure from normal of period, 1st May to 30th September, 1915.	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
																															Baluchistan.
0	0	0	0	0	0	0	0	Calm		1·7*			a		48		·395		0·3		0			0			3·04			0	Fort Sandeman.
3	1	0	1	2	1	0	2	S 30° W	S 45° W	1·7	1·6	+0·1	3	+ 1	60	+13	·298	—·009	0·5	+0·2	0	0·2	—0·2	0	0·08	—0·08	0·13	1·82	— 1·69	0	Quetta.
3	0	15	10	2	0	0	0	S 68° E	S 8° E	4·1	5·7	—1·6	79	+41	23	— 7	·193	—·048	0·2	0	0	0	0	0	0	0	0	0·22	— 0·22	0	Chaman.
0	0	0	0	0	0	0	0	Calm	S 14° W	2·8			a		42	+ 2	·195	—·065	0·5		0	0	0	0	0	0	1·14	1·37	— 0·23	0	Kalat.
9	3	7	0	0	1	0	0	1	N 29° E		3·1			30		19		·141		0·5		0		0			0			0	Dalbandin.
9	2	0	1	0	1	2	12	3	N 83° W		6·7			49		85		·825		4·2		0		0			0·12			0	Pasni.
7	1	12	8	1	0	0	1	0	N 62° E		3·6			59		54		·406		0·5		1		0·37			0·40			0·37	Panjgur.
1	0	3	2	0	1	10	13	0	S 69° W		4·4			56		38		·333		0·1		0		0			0·14			0	Robat.
																															Hill stations, excluding Kashmir and Baluchistan.
0	0	0	0	0	0	0	0	Calm		1·0			(a)		60	+ 9	·455	+·084	1·1	−2·3	2	4·1	—2·1	1·08	1·63	— 0·55	13·05	13·00	+ 0·05	0·90	Para Chinar.
7	3	1	1	7	7	1	1	2	S 26° E	S 32° W	4·3	5·8	—1·5	27	+22	63	+ 3	·507	+·035	3·0	+0·9	1	2·9	+1·1	5·55	2·16	+ 3·39	9·34	13·30	— 3·96	2·42	Cherat.
9	0	0	0	0	0	1	0	0	S 45° W		4·6			3		49	− 3	·406	+·027	2·1	+0·5	0	2·3	—2·3	0·14	0·82	— 0·68	1·77	5·25	— 3·48	0·09	Drosh.
5	7	1	2	5	0	0	0	0	N 56° E	N 37° W	2·6	4·2	—1·6	27	+ 8	73	+ 7	·438	+·047	3·7	+1·0	8	7·0	+1·0	6·43	5·91	+ 0·52	44·84	38·15	+ 6·69	2·77	Murree.
																80	+ 3	·425	+·027	5·9	+1·7	8	8·3	—0·3	6·28	5·71	+ 0·57	46·15	50·41	— 4·26	1·25	Simla.
																87	+12	·397	+·016	5·1	+1·4	10	7·3	+2·7	9·42	8·37	+ 1·05	42·88	39·22	+ 3·66	2·35	Sarain.
8	9	0	0	1	5	2	0	5	N 29° W		6·3			23		82	+ 8	·285	+·029	6·3	+1·7	8	8·4	—0·4	15·38	11·11	+ 4·27	46·23§	53·51†	— 7·28	4·27	Kalabagh.
																				7·4	+3·7	10	7·7	+2·3	6·06	6·35	— 0·29	34·44†	56 80	—22·36	1·40	Chakrata.
5	0	2	3	3	0	0	6	1	W		5·2			1		89	+ 6	·455	+·023	6·6	+1·3	13	8·6	+4·4	5·54	6·15	— 0·61	47·16	40·29	+ 6·87	0·94	Mukteswar.
9	0	0	0	1	0	0	0	0	S 45° E	S 89° E	0·2	2·7	—2·5	3	−16	91	— 3	·484	+·006	7·6	—0·5	15	17·0	—2·0	11·37	18·46	— 7·09	97·06	108·94	—11·88	2·12	Darjiling.
0	0	0	5	1	2	2	0	0	S 46° E		0·7			20		83	— 2	·560	—·014	6·1	—0·3	15	18·8	—3·8	8·69	10·99	— 2·30	83·96	68·98	+14·98	1·45	Shillong.
9	0	4	5	2	4	3	3	0	S 41° E		3·1			23		88	— 3	·598	—·022	7·4	+0·1	19	19·1	—0·1	29·02	35·06	— 6·04	471·10	347·68	+122·42	6·86	Cherrapunji.
2	0	4	0	0	1	3	0	0	S 67° E		1·8			2		93	+ 3	·660	—·019	6·5	—0·1	13	15·5	—2·5	15·87	11·14	+ 4·73	62·96	43·32	+19·64	6·86	Maymyo.
0	0	2	1	5	1	2	9	10	N 78° W	N 85° W	5·0	4·5	+0·5	37	— 7	83	— 1	·657	+·031	4·6	—1·8	11	13·4	—2·4	3·35	14·82	—11·47	71·35	70·46	+ 0·89	0·80	Pachmarhi.
3	3	2	0	3	1	8	7	3	S 79° W	S 70° W	4·9	5·8	—0·9	37	— 7	63	—16	·506	—·040	4·0	—1·1	3	7·5	—4·5	0·72	8·92	— 8·20	13·17	58·91	—45·74	0·30	Mount Abu.
3	0	1	2	1	0	1	14	5	N 88° W	N 67° W	3·6	5·3	—1·7	56	−18	93	0	·603	+·026	9·0	+0·5	16	18·2	—2·2	11·41	10·80	+ 0·61	93·79	111·00	—17·21	2·74	Mercara.
5	0	1	3	3	2	1	10	5	S 86° W		3·5			27		86	+ 3	·420	+·036	8·4	+1·3	17	11·5	+5·5	9·25	5·76	+ 2·49	46·22	35·39	+10·83	1·65	Ootacamund.
0	1	2	2	3	3	2	13	4	S 84° W		8·4			40		84	+ 6	·403	+·032	7·4	+1·7	12	12·4	—0·4	6·07	6 52	— 0·45	26·41	28·74	— 2·33	0·99	Kodaikanal.
																															Extra India.
5	0	0	0	5	3	4	2	0	S 8° W					30						6·7	+0·8	8	9·7	—1·7	5·40	5·66	— 0·26	27·80	32·80	— 5·00	1·36	Singapore.
																						20	13·4	+6·6	12·69	13·77	— 1·08	57·66	47·72	+ 9·34	2·19	Penang.
0	0	0	0	0	0	14	15	1	S 70° W	S 43° W	7·4	9·3	—1·9	86	— 8	86	+ 5	·866	+·018	7·6	+4·7	4	5·8	—1·8	1·30	4·63	— 3·33	11·89	14·74	— 2·85	0·66	Trincomalee.
4	2	4	0	0	0	18	1	1	S 59° W	S 57° W	4·1	6·7	—2·6	43	—38	89	+ 7	·848	—·017	9·7	+3·4	13	8·1	+4·9	7·07	4·60	+ 2·47	39·23	31·58	+ 7·62	1·30	Colombo.
1	0	0	0	0	0	8	19	2	S 81° W		11·5	12·3	—0·8	86		90		·858		4·0		6			3·02	2·29	+ 0·73	11·40	10·22	+ 1·18	0·67	Hambantota.
0	3	0	0	0	0	2	15	10	N 65° W	N 75° W	6·1	8·5	—2·4	80	0					4·9	—0·3	15	10·5	+4·5	8·75	6·86	+ 1·89	42·77	38·52	+ 4·25	2·38	Minicoy.
1	4	0	0	0	0	3	6	16	N 56° W		11·3			77		83	+ 2	·875	+·038	7·2	+0·9	11	11·0	0	15·47	5·76	+ 9·71	61·66	41·26	+20·40	8·57	Amini Divi.
6	0	0	3	3	8	0	0	0	S 27° E		3·7			37		53		·188		1·5		4			0·74			11·65			0·27	Gyantse.
																																Phari jong.
3	0	0	0	0	0	1	0	0	S 45° W		0·6			3		90	— 1	·602	+·043	0·8	—4·7	18	21·6	—3·6	13·18	19·30	— 6·12	119·26	106·96	+12·30	2·51	Gangtok.
8	0	0	0	10	0	0	0	2	S 45° E		4·8			27						3·1		1			0·24			0·24‡			0·14	Gartok.

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

(a) Indeterminate.

† Rainfall since 1st June, 1915.
‡ " for May and August 1915 wanting.
§ " Since 22nd May 1915.

* Mean of 28 days.

Table

(2) Abstract of observations taken at 8 hrs.

Number of sub-division.	Station.	Elevation of barometer above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	Extra India—*concld.*																						
	Kashgar (*b*)	4,255	25·528	—·102		25·660	23rd	25·410	8th & 17th	·250	65·0	87·0	+3·9	56·1	—1·2	71·6	+1·3	30·9	92·3	18th	50·3	27th	41·5
	Kabul		24·113	—·122		24·210	25th	24·000	1st	·210	58·1	95·0	+7·4	56·0	+4·5	76·0	+5·9	40·0	102·4	20th	50·0	13th	52·4
	Meshed	3,104	26·839		29·895	26·974	30th	26·705	1st	·269	66·6	88·4	+7·5	52·4	+0·6	70·4	+4·1	36·0	94·4	18th	16·8	10th & 11th.	47·6
	Jask	13	29·732	—·015	29·697	29·836	26th	29·562	11th	·264	85·6	94·8	+1·8	83·9	+2·8	89·4	+2·3	10·9	103·5	11th	79·7	13th	23·8
	Muscat	20	29·753	+·005	29·720	29·839	19th	29·593	10th	·246	88·1	96·1	+7·0	85·0	—1·9	90·5	+4·5	11·1	104·0	24th	81·2	28th	22·8
	Bahrein	18																					
	Bushire	14	29·700	—·027	29·675	29·787	30th	29·570	11th	·217	87·5	94·0	0	80·9	+1·7	87·5	+0·9	13·1	101·1	11th	71·4	30th	29·7
	Busrah	25	29·688	—·062	29·682	29·855	30th	29·501	4th 5th & 10th	·354	85·1	104·2	+4·7	73·2	—1·7	88·7	+1·5	31·0	115·3	11th	56·1	29th & 30th	57·2
	Kerman		24·491			24·570	25th & 30th	24.390	1st	·180	62·1	93·5		59·4		76·4		34·1	101·5	2nd	47·8	15th	53·7
	Ispahan (*b*)	*5,817*	24·295	—0·85		24·360	16th & 30th.	24·140	1st	·240	71·8	91·1	+1·3	58·1	+2·2	74·6	+1·7	33·0	97·9	1st	50·7	30th	47·2
	Tehran (*b*)	*4,002*																					
	Baghdad	127																					
	Beirut (*a*)																						
	Aden	94	29·693	—·040	29·724	29·805	25th	29·616	1st	·189	86·1	94·7	+1·2	84·1	+1·5	89·4	+1·2	10·6	97·4	30th	80·6	25th	16·8
	Zanzibar	72	30·058	—·011	30·056	30·103	26th	29·997	23rd	·106	77·3	83·3	+1·0	74·4	+0·8	78·9	+0·9	8·9	85·7	15th	72·8	8th	12·9

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.
(*b*) Aneroid.
(*a*) 8½ hrs. observations.

B—*concluded.*

at 217 stations in India, etc., in September, 1915—*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 30th September, 1915.	Normal rainfall for period, 1st May to 30th September.	Departure from normal of period, 1st May to 30th September, 1915.	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—*concld.*
28	0	0	0	1	0	0	0	1	*a*	N 29° W	0·9*	2·2	−1·3	*a*		56	+2	·313	+·009	1·5	−0·9	1	0·7	+0·3	0·22	0·31	−0·09	0·72	2·24	−1·52	0·22	Kashgar.
0	0	2	1	3	2	15	7	0	S 45° W	S 13° W				60	+51	65	+13	·319	−·018	0	−0·2	0	0·1	−0·1	0	0·03	−0·03	0·65	1·50	−0·84	0	Kabul.
28	2	0	0	0	0	0	0	0	N		1·2			7		54	+ 5	·350	+·026	0·8	+0·3	0	0·1	−0·1	0	0·02	−0·02	0·62	1·64	−1·22	0	Meshed.
1	0	4	18	5	0	0	0	2	N 58° E	S 81° E	8·3	9·8	−1·5	76	+13	75	+ 1	·915	0	1·9	+0·4	0	0	0	0	0	0	0	0·06	−0·06	0	Jask.
2	2	3	13	8	0	0	2	6	N 56° E	N 72° E	1·2	2·8	−1·6	40	+11	71	− 4	·929	+·019	0·5	−0·6	0	0	0	0	0	0	0	0·17	−0·17	0	Muscat.
																							0			0			0·10			Bahrein.
4	4	0	9	5	1	0	1	6	N 63° E	N 60° E	5·4	5·0	+0·4	27	−25	74	+ 7	·969	+·121	0·5	−0·1	0	0	0	0	0	0	0	0·03	−0·03	0	Bushire.
5	1	1	0	1	0	3	10	7	N 76° W‡		4·6			55		56		·667		0·3		0	0·3	−0·3	0	0·19	−0·19	0	0·65	−0·65	0	Busrah.
30	0	0	0	0	0	0	0	0	Calm.		4·2			*a*		29		·163		0·8		0			0			0·33			0	Kerman.
27	0	1	0	0	0	0	1	0	N 15° W‖	N 72° W	0·7§	2·5	−1·8	4	−30	44	− 8	·340	−·036	0	−9·4	0	0·1	−0·1	0	0·03	−0·03	0·60†	0·33	+0·27	0	Ispahan.
										N 62° E		2·0											0·3			0·88			0·83			Tehran.
										N 11° W		1·8											0			0			0·28			Baghdad.
																																Beirut.
9	4	5	4	4	2	2	0	0	N 82° E	S 56° E	5·4	7·0	−1·6	30	0	79	+ 4	·993	+·051	3·1	−0·8	0	0·2	−0·2	0	0·14	−0·14	0	0·50	−0·50	0	Aden.
7	0	0	0	6	11	6	0	0	S	S 5° E	3·6	4·1	−0·5	63	−23	79	− 4	·736	−·013	6·2	+0·1	1	5·4	−4·4	1·17	2·10	−0·93	20·86	19·81	+1·05	0·86	Zanzibar.

a Indeterminate.
* Mean of 28 days.

† Rainfall for July and August 1915 wanting.
‡ 2 winds less.

§ Mean of 29 days.
‖ 1 wind variable.

Table C.—Abstract of observations taken at 8 hrs. at 57 fourth and fifth class stations in India, etc., in September, 1915.

Table

Abstract of observations taken at 8 hrs. at 57 fourth

Number of sub-division.	Station.	Temperature of air.													Wind direction.										
		Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.	Number of winds from: 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.—Assam.																								
4	Balek	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Bishnath	80·0	91·5	+1·8	75·0	+1·7	83·3	+1·7	16·5	95·7	8th	69·1	23rd	26·6	...	...	...	...	...	...	...	...	...	...	...
	Borjuli	81·3	91·4	+1·2	74·4	−0·7	82·9	+0·3	17·0	97·0	9th	68·6	30th	28·4	...	...	...	...	...	...	...	...	...	...	...
	Chandkhira	80·5	92·4	+2·1	75·1	+0·1	83·7	+1·1	17·3	100·0	16th	68·0	28th	32·0	...	...	...	...	...	...	...	...	...	...	...
	Doom Dooma	75·2	92·0	+2·4	78·4	−0·8	82·7	+1·7	13·6	92·7	17th	66·7	27th	31·6	...	...	...	...	...	...	...	...	...	...	...
	Dikom	78·1	89·2	+0·2	75·1	−0·1	82·1	+0·1	14·1	96·0	16th	69·0	28th	27·0	...	...	...	...	...	...	...	...	...	...	...
	Golaghat	78·6	89·2	+1·7	74·2		81·7		15·0	93·9	16th	66·7	26th	27·2	...	...	...	...	...	...	...	...	...	...	...
	Hailakandi	80·8	90·2	+0·1	75·0	−0·8	82·6	−0·3	15·2	98·0	16th	68·8	27th & 28th.	29·2	...	...	...	...	...	...	...	...	...	...	...
	Jorehat	78·9	89·3	−0·2	75·3	−0·7	82·3	−0·5	14·0	94·9	16th	69·6	26th	25·3	...	...	...	...	...	...	...	...	...	...	...
	Lumding	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Messa	80·9	93·6	+0·2	73·4	−1·8	83·5	−0·5	20·2	101·6	16th	68·9	28th & 30th.	32·7	...	...	...	...	...	...	...	...	...	...	...
	Panerihat	74·9	90·2	+1·2	72·8	−0·84	81·54	+0·1	17·3	94·1	15th	70·9	1st & 3rd	24·1	...	...	...	...	...	...	...	...	...	...	...
	III.—Bengal.																								
1	Comilla	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Brahmanbaria	82·2	88·1	−1·3	77·7	0	82·9	−0·7	10·4	94·0	15th	73·9	22nd & 23rd.	20·1	...	...	...	...	...	...	...	...	...	...	...
	Faridpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Goalundo	82·9	87·7	−1·6	77·9	+0·3	82·8	−0·7	9·8	92·1	15th	73·1	25th	19·0	...	...	...	...	...	...	...	...	...	...	...
	Pabna	84·3	90·2	−3·6	77·4	+1·1	83·8	−1·3	12·8	93·5	16th	70·4	22nd	23·1	...	...	...	...	...	...	...	...	...	...	...
	Sirajganj	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Rampur Boalia	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Malda	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Rangpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Dam Dim	78·2	92·5	+0·7	72·5	−1·3	82·5	−0·3	20·0	96·2	16th	65·0	29th	31·2	...	...	...	...	...	...	...	...	...	...	...
	Kalchini	83·4	90·3	+0·8	72·1	−1·7	81·1	−0·5	18·2	94·1	16th	66·0	29th	28·1	...	...	...	...	...	...	...	...	...	...	...
	Nagrakata	81·1	89·7	−0·4	72·9	−0·9	81·3	−0·7	16·8	92·1	15th & 16th.	68·0	29th	24·1	...	...	...	...	...	...	...	...	...	...	...
	Cooch Behar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Krishnagar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Bankura	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Raniganj (Asansol)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	IV.—Bihar and Orissa.																								
7	Hazaribagh	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	Bhagalpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Muzaffarpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Motihari	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Chapra	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Arrah	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Dehri	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

‡ Mean of 25 days.

C.

and fifth class stations in India, etc., in September, 1915.

Wind velocity.			Wind steadiness.		Hygrometry, 8 hrs.				Cloud.		Rainfall.									Heaviest rainfall during month.	Station.
Mean velocity, miles per hour.	Normal.	Departure from normal.	Actual percentage.	Departure from normal.	Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Mean cloud amount at 8 hrs.	Departure from normal.	Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 30th September, 1915.	Normal rainfall of period, 1st May to 30th September.	Departure from normal of period, 1st May to 30th September, 1915.		
27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
																					II.—Assam.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Balek.
...	...	...	...	...	94	− 1	·966	+ ·038	...	...	17	15·2	+ 1·8	8·29	11·65	− 3·36	94·63	71·08	+23·60	1·92	Bishnath.
...	...	...	...	...	85	− 6	·902	− ·028	...	...	10	14·3	− 4·3	7·40	10·40	− 3·00	83·96	65·07	+18·89	1·54	Borjuli.
...	...	...	...	...	89	− 1	·923	− ·015	...	...	17	16·6	+ 0·4	8·23	9·97	− 1·74	112·56	78·71	+33·85	1·80	Chaudkhira.
...	...	...	...	...	94	+ 2	·824	− ·068	...	...	18	13·8	+ 4·2	19·39	8·90	+10·49	87·37	70·40	+16·97	3·38	Doom Dooma.
...	...	...	...	...	91	0	·878	− ·015	...	...	14	11·8	− 0·8	12·10	10·51	+ 1·59	98·45	75·89	+22·56	2·00	Dikom.
...	...	...	...	...	95	+ 4	·925	0	...	...	10	13·8	− 3·8	11·72	7·58	+ 4·14	62·47	51·06	+11·41	3·24	Golaghat.
...	...	...	...	...	85	− 6	·894	− ·005	...	...	15	14·8	+ 0·2	11·81	13·31	− 1·50	126·59	88·23	+38·36	4·45	Hailakandi.
...	...	...	...	...	91	+ 1	·892	− ·029	...	...	12	13·3	− 1·3	10·85	8·83	+ 2·02	79·69	58·83	+20·86	1·61	Jorehat.
...	...	...	...	...	...	...	...	...	...	...	...	8·5	...	...	6·84	...	...	34·91	...	...	Lumding.
...	...	...	...	...	78	− 8	·820	− ·127	...	...	14	14·0	0	5·93	10·49	− 4·56	57·83	71·48	−13·65	1·22	Messa.
...	...	...	...	...	95	0	·842	+ ·011	...	...	10	12·3	− 2·3	5·33	8·69	− 3·36	91·93	59·01	+32·92	1·46	Panerihat.
																					III.—Bengal.
...	...	...	...	...	...	...	...	...	...	...	10	13·3	− 3·3	6·07	10·99	− 4·92	82·71	70·54	+12·17	2·03	Comilla.
...	...	...	...	...	83	− 3	·909	− ·054	...	...	14	14·3	− 0·3	9·86	10·49	− 0·63	75·47	62·44	+13·03	2·36	Brahmanbaria.
...	...	...	...	...	...	...	...	...	...	...	12	12·1	− 0·1	15·52	9·01	+ 6·51	79·47	55·27	+24·20	8·39	Faridpur.
...	...	...	...	...	85	+ 1	·947	− ·006	...	...	10	12·2	− 2·2	8·50	9·99	− 1·49	67·04	51·84	+15·20	3·00	Goalundo.
...	...	...	...	...	81	− 3	·948	− ·018	...	...	14	11·5	+ 2·5	10·62	8·76	+ 1·86	60·81	48·75	+12·06	2·59	Pabna.
...	...	...	...	...	...	...	...	...	...	...	12	11·7	+ 0·3	7·72	10·04	− 2·32	65·86	53·19	+12·67	2·10	Sirajganj.
...	...	...	...	...	...	...	...	...	...	...	9	12·1	− 3·1	10·39	10·08	+ 0·31	60·51	46·33	+14·18	5·50	Rampur Boalia.
...	...	...	...	...	...	...	...	...	...	...	8	11·2	− 3·2	4·50	10·24	− 5·74	36·48	45·28	− 8·80	1·40	Malda.
...	...	...	...	...	...	...	...	...	...	...	7	13·4	− 6·4	9·89	14·62	− 4·73	74·27	70·86	+ 3·41	4·10	Rangpur.
...	...	...	...	...	93	− 1	·898	− ·019	...	...	17	18·7	− 1·7	30·57	20·79	+ 9·78	146·40	139·93	+ 6·47	5·80	Dam Dim.
...	...	...	...	...	82	− 4	·951	+ ·006	...	...	13	15·5	− 2·5	15·41	17·71	− 2·30	112·86	135·30	−22·44	2·27	Kalchini.
...	...	...	...	...	82	− 4	·868	− ·016	...	...	16	19·5	− 3·5	27·26	21·95	+ 5·31	131·53	142·88	−11·35	4·29	Nagrakata.
...	...	...	...	...	...	...	...	...	...	...	10	15·3	− 5·3	12·67	26·59	−13·92	97·59	131·74	−34·15	4·16	Cooch Behar.
...	...	...	...	...	...	...	...	...	...	...	7	10·8	− 3·8	2·19	8·51	− 6·32	39·01	46·45	− 7·44	0·94	Krishnagar.
...	...	...	...	...	...	...	...	...	...	...	11	11·7	− 0·7	9·72	8·91	+ 0·81	36·68	47·10	−10·42	2·76	Bankura.
...	...	...	...	...	...	...	...	...	...	...	11	11·6	− 0·6	5·72	8·41	− 2·69	25·87	45·75	−19·88	1·61	Raniganj (Asansol).
																					IV.—Bihar and Orissa.
...	...	...	...	...	...	...	...	...	...	...	10	11·9	− 1·9	3·79	9·04	− 0·25	30·64	45·56	−14·92	2·23	Hazaribagh.
...	...	...	...	...	...	...	...	...	...	...	6	9·6	− 3·6	5·77	9·48	− 3·71	36·97	44·10	− 7·13	1·95	Bhagalpur.
...	...	...	...	...	...	...	...	...	...	...	8	8·7	− 0·7	5·77	7·41	− 1·64	45·32	43·98	+ 1·34	2·84	Muzaffarpur.
...	...	...	...	...	...	...	...	...	...	...	12	8·9	+ 3·1	12·48	9·49	+ 2·99	54·92	50·80	+ 4·12	5·27	Motihari.
...	...	...	...	...	...	...	...	...	...	...	8	8·6	− 0·6	5·59	6·93	− 1·34	36·65	37·25	− 0·60	2·22	Chapra.
...	...	...	...	...	...	...	...	...	...	...	10	9·0	+ 1·0	7·33	7·32	+ 0·01	39·10	39·33	− 0·23	1·83	Arrah.
...	...	...	...	...	...	...	...	...	...	...	10	8·9	+ 1·1	3·57	7·00	− 3·43	28·52	37·40	− 8·88	0·68	Dehri.

Table

Abstract of observations taken at 8 hrs. at 57 fourth

Number of sub-division.	Station.	Temperature of air.													Wind direction.										
		Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.	Number of winds from: 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
	V.—United Provinces of Agra and Oudh.																								
10	Meerut	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Dehra Dun	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	IX.—Rajputana.																								
18	Udaipur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	XII.—Central Provinces.																								
23	Chhindwara	75·8	84·5	...	70·1	...	77·3	...	14·4	89·2	10th	66·8	27th	22·4	20	0	0	1	0	0	1	3	5	N 63° W	...
	XIII.—Hyderabad.																								
27	Parbhani	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	XV.—Madras.																								
31	Tinnevelly	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
32	Anantapur	81·7	93·1	...	74·1	...	83·6	...	19·0	99·0	15th	70·0	17th	29·0	...	...	...	...	...	...	...	...	...	...	...
33	Guntur	81·8	92·4	...	77·4	...	84·9	...	15·0	98·6	15th	73·8	6th & 30th.	24·8	...	...	...	...	...	...	...	...	...	...	...
	Bay Islands.																								
1	Car Nicobar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Kashmir.																								
13	Jammu	83·5	91·9	...	76·6	...	84·3	...	15·3	99·1	10th	67·8	3rd	31·3	0	8	18	0	2	2	0	0	0	N 39° E	...
	Sonamarg	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Kargil	63·4	85·5	...	51·5	...	68·5	...	34·0	91·7	3rd	45·4	11th	46·3	0	17	0	4	4	1	2	0	2	N 16° E	...
	Baluchistan.																								
15	Harnai	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Hill stations, exclusive of Kashmir.																								
	Panighatta	78·3	88·1	+0·2	72·4	−0·5	80·3	−0·1	15·7	94·3	16th	68·4	29th	25·9	...	...	...	...	...	...	...	...	...	...	...
	Kurseong	68·0	72·9	−0·8	63·7	−0·5	68·3	−0·7	9·2	77·2	30th	60·8	24th	16·4	...	...	...	...	...	...	...	...	...	...	...
	Gnatong	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Lachung	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Ringim	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Mussooree	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Poo	...	77·8	+4·1	56·1	+4·2	67·0	+4·1	21·7	86·6	20th	52·1	27th	34·5	12	0	1	1	1	0	2	13	0	S 8[illegible]° W	...
	Kailang	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Bakloh	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Pishin	...	90·4	+1·7	53·3	+5·9	71·9	+3·8	37·1	95·0	21st	49·5	8th	45·5	..	...	...	...	...	...	...	...	.	...	...

C—*continued.*

and fifth class stations in India, etc., in September, 1915—*continued.*

Wind velocity.			Wind steadiness.		Hygrometry, 8 hrs.				Cloud.		Rainfall.										
Mean velocity, miles per hour.	Normal.	Departure from normal.	Actual percentage.	Departure from normal.	Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Mean cloud amount at 8 hrs.	Departure from normal.	Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 30th September, 1915.	Normal rainfall of period, 1st May to 30th September.	Departure from normal of period, 1st May to 30th September 1915.	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
																					V.—United Provinces of Agra and Oudh.
...	...	...	...	...	...	...	...	...	...	...	6	5·0	+1·0	6·60	5·72	+0·88	21·06	28·12	−7·06	2·10	Meerut.
...	...	...	...	...	...	...	...	...	...	...	16	10·3	+5·7	9·39	9·43	−0·04	76·52	76·88	−0·36	1·30	Dehra Dun.
																					IX.—Rajputana.
...	...	...	...	...	...	...	...	...	...	...	3	5·3	−2·3	0·97	4·27	−3·30	8·47	22·57	−14·10	0·40	Udaipur.
																					XII.—Central Provinces.
1·6	...	...	23	...	81	...	·715	...	4·0	...	12	...	...	10·57	...	...	35·09	...	...	2·24	Chhindwara.
																					XIII.—Hyderabad.
...	...	...	...	...	...	...	...	...	...	...	11	9·7	+1·3	17·45	8·08	+9·37	36·04	28·04	+8·00	3·44	Parbhani.
																					XV.—Madras.
...	...	...	...	...	...	...	...	...	...	...	2	1·7	+0·3	2·44	1·24	+1·20	5·83	4·31	+1·52	2·10	Tinnevelly.
...	...	...	...	...	82	...	·813	...	5·6	...	13	7·4	+5·6	13·01	5·36	+7·65	23·01	13·91	+9·10	2·62	Anantapur.
...	...	...	...	...	81	...	·879	...	1·5	...	5	9·2	−4·2	4·69	5·67	−0·98	27·70	22·38	+5·32	1·76	Guntur.
																					Bay Islands.
...	...	...	...	...	...	...	...	...	...	...	...	17·3	...	...	13·69	...	...	58·57	...	...	Car Nicobar.
																					Kashmir.
...	...	...	70	...	68	...	·769	...	2·8	...	6	4·2	+1·8	5·32	4·94	+0·38	22·89	31·74	−8·85	2·08	Jammu.
...	...	...	...	...	...	...	...	...	...	...	5	8·0	−3·0	2·51	4·67	−2·16	12·46	21·04	−8·58	0·72	Sonamarg.
...	...	...	47	...	39	...	·225	...	3·1	...	0	1·1	−1·1	0·15	0·62	−0·47	1·27	2·92	−1·65	0·09	Kargil.
																					Baluchistan.
...	...	...	...	...	...	...	...	...	...	...	1	1·0	0	0·97	0·45	+0·52	5·60	6·53	−0·93	0·97	Harnai.
																					Hill stations, exclusive of Kashmir.
...	...	...	...	...	84	+1	·806	−·035	...	...	19	18·8	+0·2	28·64	22·09	+6·55	129·68	125·26	+4·42	5·16	Panighatta.
...	...	...	...	...	97	+8	·666	+·063	...	...	20	19·8	+0·2	18·77	23·07	−4·30	156·12	138·88	+17·24	3·60	Kurseong.
...	...	...	...	...	...	...	...	...	...	...	21	...	...	10·07	...	...	137·25	...	...	1·29	Gnatong.
...	...	...	...	...	...	...	...	...	...	...	17	...	...	7·82	...	...	54·38	...	...	1·12	Lachung.
...	...	...	...	...	...	...	...	...	...	...	14	...	...	16·93	...	...	159·57	...	...	3·58	Ringim.
...	...	...	...	...	...	...	...	...	...	...	14	10·4	+3·6	10·82	9·99	+0·83	61·02	82·84	−21·82	3·37	Mussooree.
...	...	...	40	...	...	...	...	...	4·6	+1·2	1	1·3	−0·3	0·49	0·34	+0·15	0·89	3·12	−2·23	0·22	Poo.
...	...	...	...	...	...	...	...	...	...	...	4	2·7	+1·3	1·59	1·93	−0·34	4·21	8·51	−4·30	0·65	Kailang.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Bakloh.
...	...	...	...	...	...	...	...	...	1·0	...	0	0	0	0	0	0	0	0·43	−0·43	0	Pishin.

Table

Abstract of observations taken at 8 hrs. at 57 fourth

Number of sub-division.	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.	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.																								
	Chumbi (*) . . .	57·4	69·5	...	54·7	...	62·1	...	14·8	71·1	27th	52·1	4 days	19·0	...	...	...	...	...	...	...	...	...	...	...
	Pemba	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Prison Island . . .	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Seistan	...	96·3	...	69·2	...	82·7	...	27·1	104·0	20th	59·0	17th	45·0	0	0	0	0	0	0	0	0	30	N 45° W	...

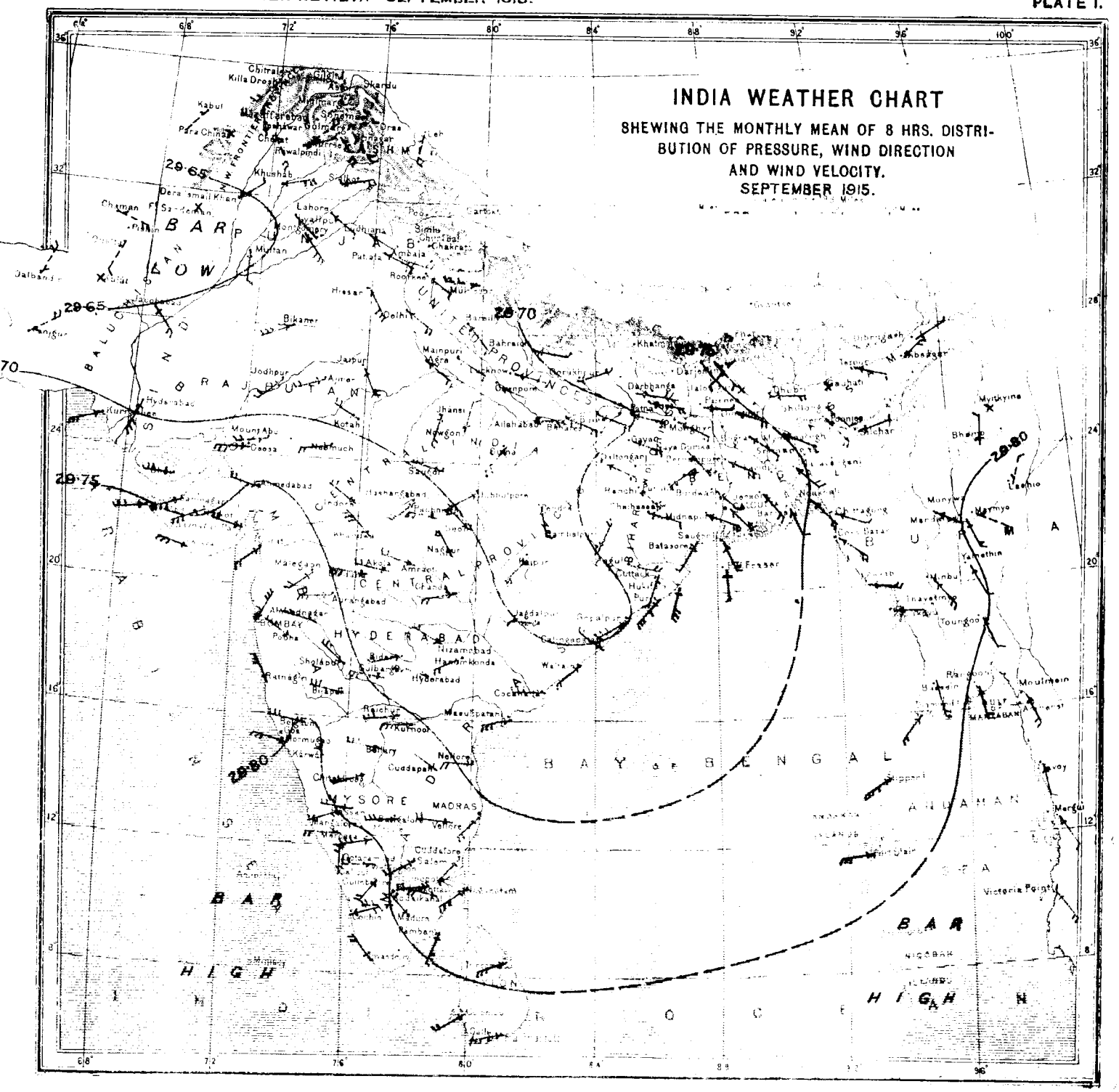
* Mean of 29 days.

C—*concluded.*

and fifth class stations in India, etc., in September, 1915—*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 30th September, 1915.	Normal rainfall of period, 1st May to 30th September.	Departure from normal of period, 1st May to 30th September, 1915.		
27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
																					Extra India.
...	...	...	...	...	79	...	·373	...	...	...	17	...	...	3·70	...	...	24·85	...	...	0·64	Chumbi.
...	...	...	...	...	...	...	...	...	...	...	2	2·7	−0·7	0·48	1·30	−0·82	34·36	30·25	+4·11	0·19	Pemba.
...	...	...	...	...	...	...	...	...	...	...	...	5·1	...	...	1·73	...	...	21·78	...	...	Prison Island.
11·1	...	...	97	...	...	...	...	...	...	...	0	...	...	0	...	...	0	...	...	0	Seistan.

CALCUTTA
SUPERINTENDENT GOVERNMENT PRINTING, INDIA
8, HASTINGS STREET



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

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

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

Wind strengths are based on factor 2·2 for the standard type of Beckley Robinson anemograph, instead of 3·0 as used for this plate up to December 1911 inclusive.

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.

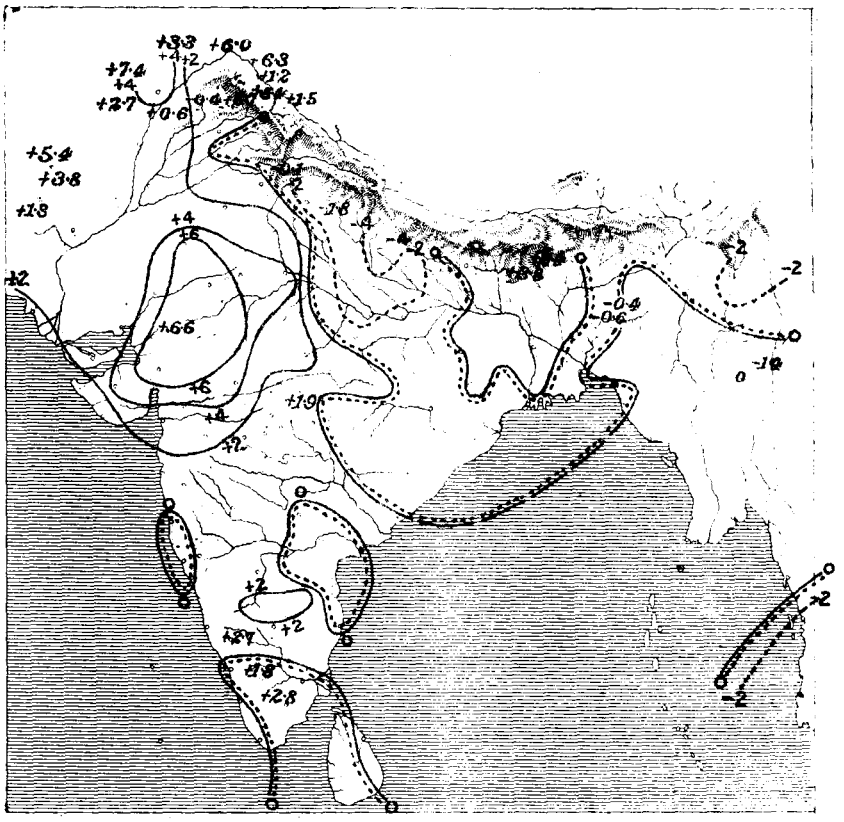


CHART SHEWING THE DEPARTURE FROM NORMAL
OF THE MONTHLY MEAN OF DAILY
MINIMUM TEMPERATURE.

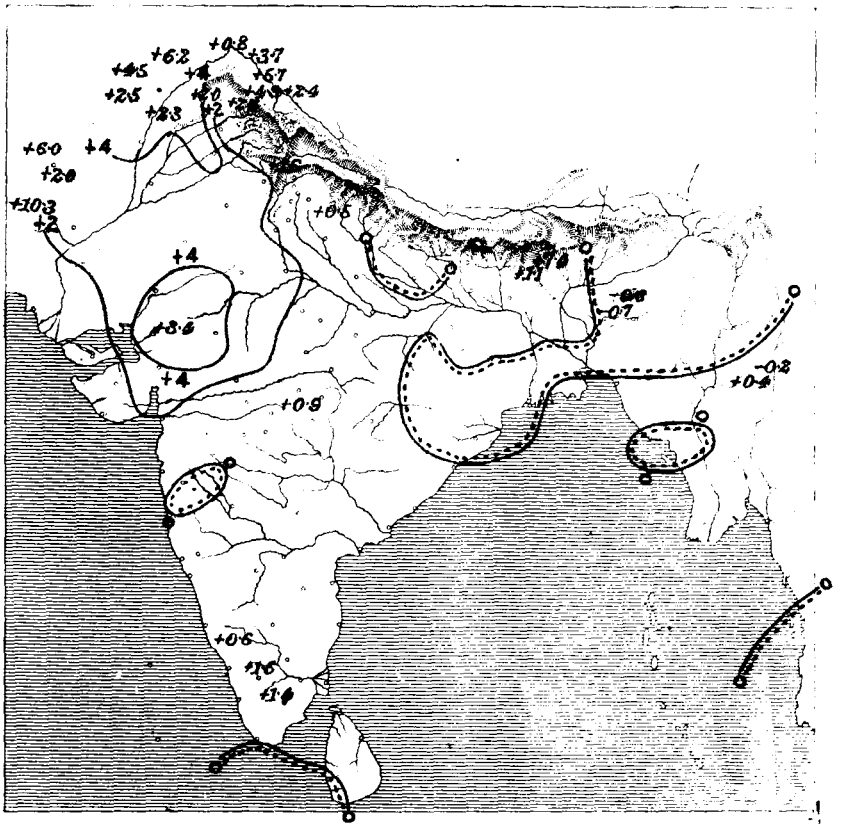


CHART SHEWING THE DEPARTURE FROM NORMAL
OF THE MONTHLY MEAN OF DAILY
MEAN TEMPERATURE.

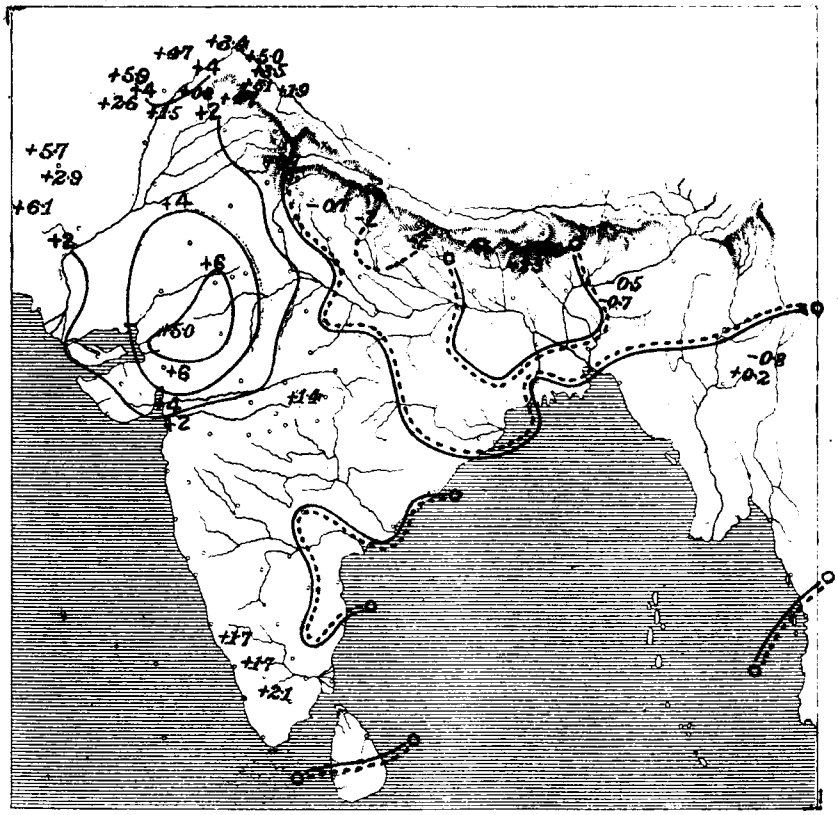


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF ABSOLUTE HUMIDITY AT 8 HRS.

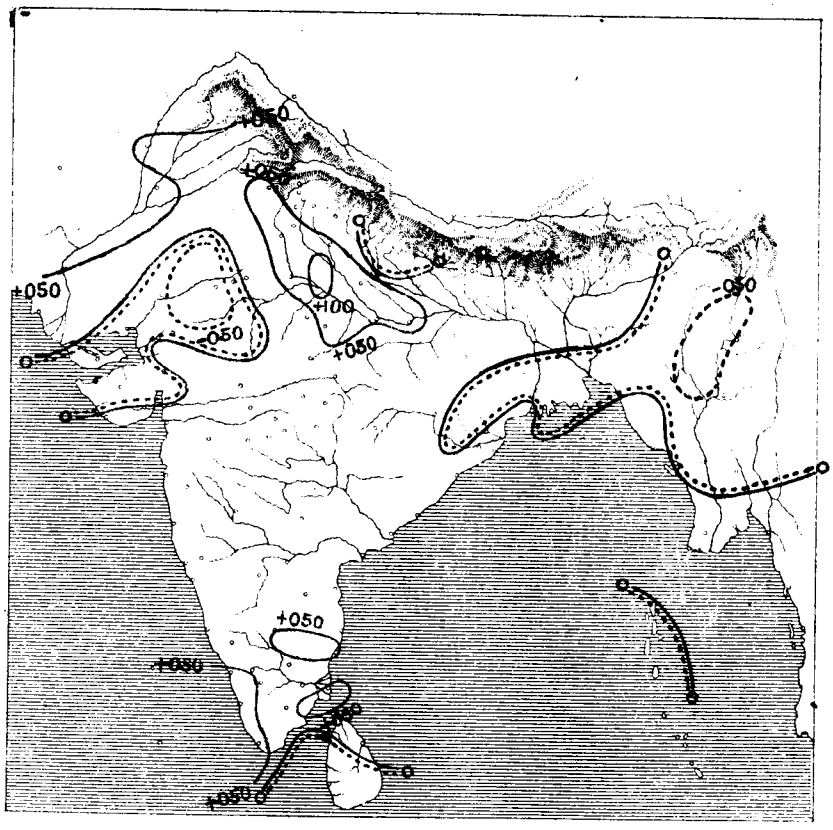


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF RELATIVE HUMIDITY AT 8 HRS.

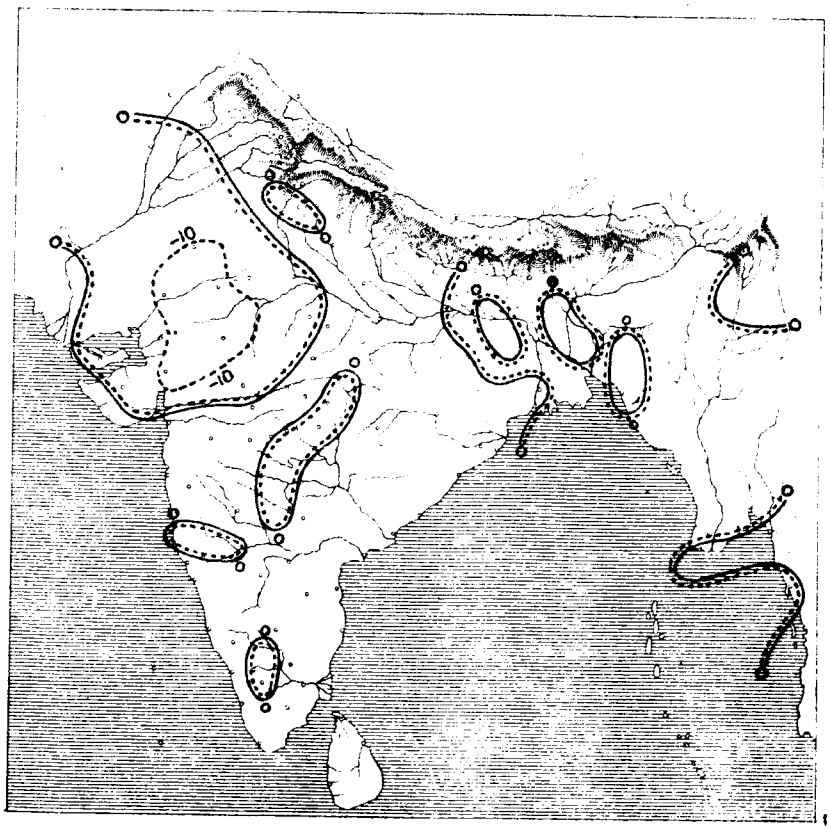


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF CLOUD AMOUNT AT 8 HRS.

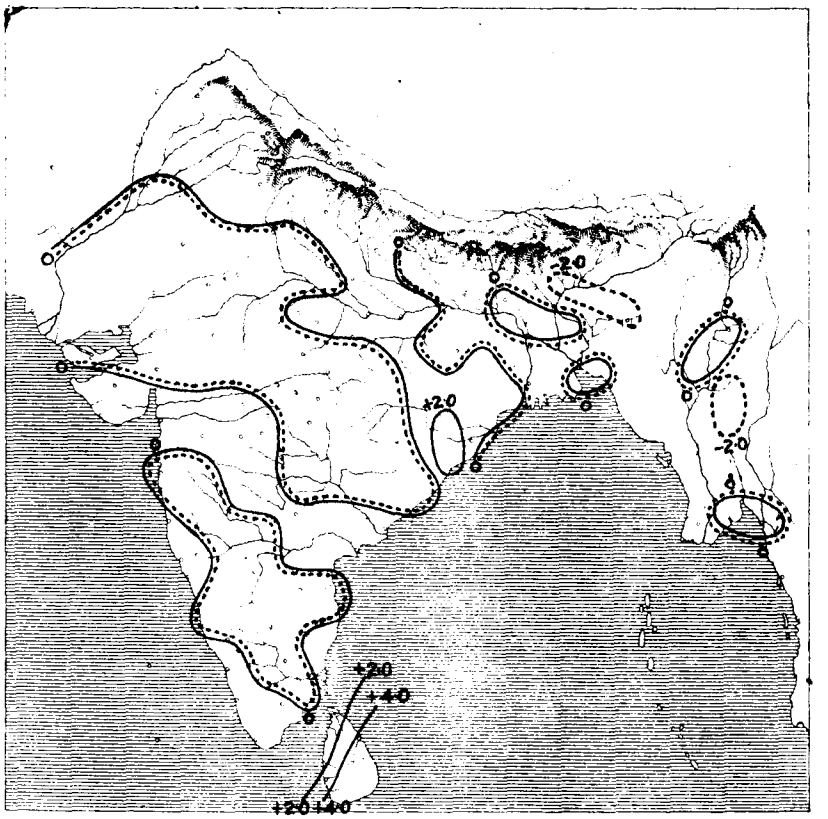
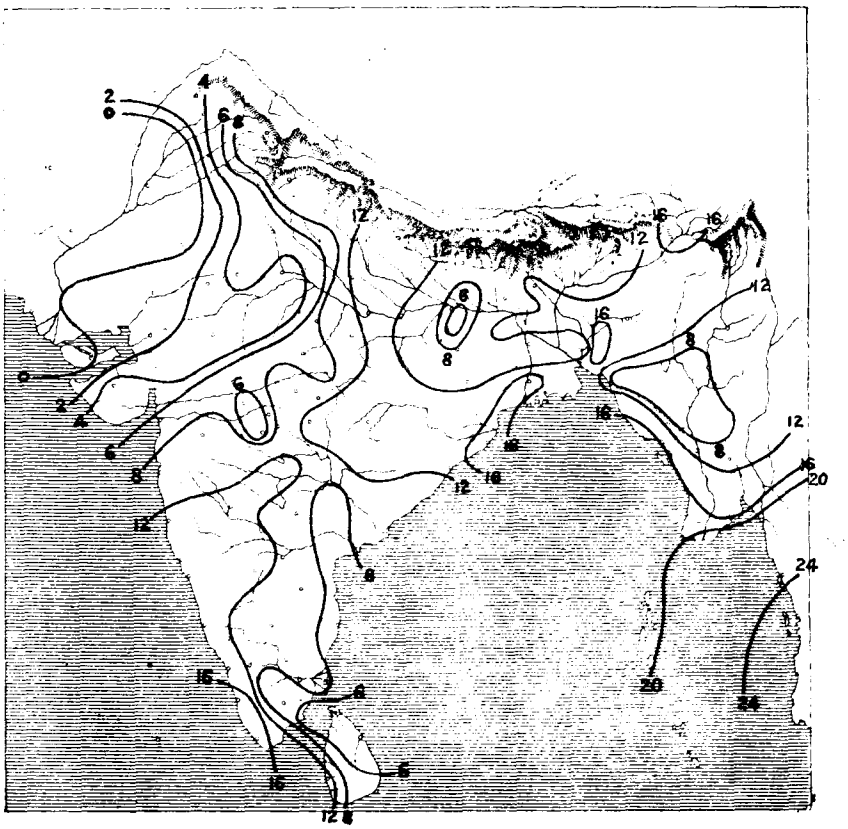


CHART SHEWING THE TOTAL NUMBER OF DAYS IN THE MONTH ON WHICH RAINFALL EQUALLED OR EXCEEDED 0·10 INCH.

(BASED ON THE RETURNS OF TABLE B.)



The country is divided into 33 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. Bengal
6. Orissa
7. Chota Nagpur
8. Bihar
9. United Provinces, East
10. United Provinces, West
11. Punjab, East and North
12. Do., Southwest
13. Kashmir
14. Northwest Frontier Province
15. Baluchistan
16. Sind
17. Rajputana, West
18. Rajputana, East
19. Gujarat
20. Central India, West
21. Do., East
22. Berar
23. Central Provinces, West
24. Do., East
25. Konkan
26. Bombay, Deccan
27. Hyderabad, North
28. Hyderabad, South
29. Mysore
30. Malabar
31. Madras, Southeast
32. Madras, Deccan
33. Madras Coast, North

GOVERNMENT OF INDIA

METEOROLOGICAL DEPARTMENT

MONTHLY WEATHER REVIEW

OCTOBER 1915.

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GILBERT T. WALKER, C.S.I., M.A., Sc.D., F.R.S.,

Director-General of Observatories.

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The Indian Meteorologist's *Vade Mecum*, Part I, 2nd Edition (1883) . . . . . Price Rs. 3	Henry F. Blanford.
Instructions to Observers of the India Meteorological Department, 2nd Edition. (1902) . . . Price Rs. 3	Sir John Eliot.
Handbook of Cyclonic storms in the Bay of Bengal for the use of sailors, 2nd Edition, Vol. I—Text. (1900) Price Rs. 4	Ditto.
Handbook of Cyclonic storms in the Bay of Bengal for the use of sailors, 2nd Edition, Vol. II—Plates. (1901) Price Re. 1-8	Ditto.
Cyclone Memoirs, Part II—Bay of Bengal Cyclone of August 21st to 28th, 1888. (1890) . . . Price Rs. 3	Ditto.
Cyclone Memoirs, Part III—Bay of Bengal Cyclones of September 13th to 20th, and October 27th to 31st, 1888, and Arabian Sea Cyclone of November 6th to 9th, 1888. (1890) . . . . . Price Rs. 5	Ditto.
Cyclone Memoirs, Part IV—An enquiry into the nature and course of storms in the Arabian Sea and a catalogue and brief history of all recorded storms in the Arabian Sea from 1848—1889. (1891) . . . Price Rs. 3	W. L. Dallas.
Monthly weather charts of the Arabian Sea and the adjacent portion of the North Indian Ocean, showing mean pressure, winds and currents. (1888) . . Price Rs. 5	Sir John Eliot.
Charts of the Bay of Bengal and adjacent sea north of the Equator, showing the specific gravity, temperature and currents of the sea surface. (1887) . Price Re. 1-8	W. L. Dallas.
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Annual Rainfall of India for 1907 to 1913	Ditto.
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Part III, comprising—	
Variation of rainfall in Northern India	S. A. Hill.
Meteorological and hypsometrical observations in Western Tibet, recorded by Dr. J. Scully, with a discussion . . Price Rs. 3	Henry F. Blanford.
Part IV, comprising—	
The winds of Karachi . . . . . Price Rs. 3	Fred. Chambers.
Part V, comprising—	
Some results of the meteorological observations taken at Allahabad during the 10 years 1870—79 . . .	S. A. Hill.
The diurnal variations of the barometer at Indian stations, Part II, Goalpara, Patna and Leh . . Price Rs. 3	Henry F. Blanford.
Part VI, comprising—	
The Meteorology of the North-West Himalaya . Price Re. 1	S. A. Hill.
Indian Meteorological Memoirs, Vol. II, containing :—	
Part I, comprising—	
Account of the south-west monsoon storm of the 18th to the 24th of September, 1878, in the north of the Bay of Bengal	Sir John Eliot.
List of cyclones on the West Coast of India and in the Arabian Sea up to the end of year 1881 . Price Rs. 2	Fred. Chambers.
Part II, comprising—	
Note on the foregoing list of cyclones and on the Gujarat land cyclone of July 11th to 13th, 1881	Henry F. Blanford.
On the temperature of North-Western India . Price Rs. 2	S. A. Hill.
Part III, comprising—	
Account of the south-west monsoon storm of the 8th to the 19th October, 1882, in the Bay of Bengal . Price Rs. 2	Sir John Eliot.
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Part V, comprising—	
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* Copies for the years 1876, 1878 to 1881, 1884, 1887 and 1890 are out of print.

† Copies for the years 1891 to 1905 are out of print.

‡ Published continuously about four months after date. Copies for 1891—97, January, 1898, January, 1899, to May, 1902, January to November (June excepted), 1906, and January and March, 1904, are out of print.

Continued on page iii of this cover.

Table

(2) Abstract of observations taken at 8 hrs. at 212

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
	Hill stations, excluding Kashmir and Baluchistan —*concld.*																						
	Simla	7,232	23·209	+·025	23·171	23·305	20th	23·104	26th	·201	52·0	58·2†	+2·1	47·1	+2·2	52·6	+2·1	11·1	64·6	7th	42·1	24th	22·5
	Sarain		23·252	+·017	23·214	23·345	20th	23·130	26th	·215	36·6	60·7	+2·4	34·4	−0·4	47·5	+1·0	26·3	65·9	1st & 8th.	29·1	28th	36·8
	Kalabagh																						
	Chakrata	7,072	23·507	?	23·467	23·604	20th	23·394	26th	·210													
	Mukteswar	7,592	22·916	+·020	22·905	23·039	20th	22·825	26th	·214	51·1	61·1	+0·7	45·3	+2·2	53·2	+1·5	15·8	66·5	1st	40·8	5 days	25·7
	Darjiling	7,432	23·065	+·028	23·020	23·146	13th	22·955	7th	·191	50·6	59·4*	+4·3*	46·1	+3·4	52·4*	+3·9	13·3	66·5	7th	41·0	29th	25·5
	Shillong	4,920	25·213	+·013	25·195	25·329	20th	25·141	7th	·188	59·2	68·6	+1·9	50·1	+3·8	59·3	+2·9	18·5	74·4	5th	39·7	30th	34·7
	Cherrapunji	4,309	25·789	+·009	25·740	25·879	20th	25·676	7th	·203	63·8	70·6	+2·9	56·7	+2·7	63·7	+2·8	13·9	79·9	5th	51·3	26th	28·6
	Maymyo	3,546	26·533	+·018	26·478	26·623	20th	26·409	7th	·214	62·4	75·8	+2·3	51·7	+2·5	65·2	+2·4	21·1	81·2	4th	47·1	27th	34·1
	Pachmarhi	3,528	26·523	−·045	26·470	26·589	20th	26·428	7th	·171	63·1	75·3	+1·5	51·7	+4·2	65·0	+2·9	20·6	80·0	9th & 10th.	45·1	12th	34·9
	Mount Abu	3,945	26·150	−·022	26·100	26·221	30th	26·064	7th	·157	68·5	75·3	+1·6	58·8	+0·5	67·1	+1·1	16·5	86·2	2nd	55·9	17th & 27th.	24·3
	Mercara	3,781	26·225	−·042	26·155	26·310	30th	26·109	6th	·201	66·1	75·9	−0·1	60·8	+0·6	68·3	+0·3	15·1	79·0	9th, 10th & 11th.	56·0	17th	23·0
	Ootacamund	7,227	23·056	−·019	22·992	23·118	30th	22·942	5th	·176	56·5	64·1	+0·8	50·1	+2·5	57·1	+1·7	14·0	68·5	26th	4[illegible]·9	29th	25·6
	Kodaikanal	7,688	22·831	−·022	22·769	22·886	30th	22·738	5th	·148	55·6	61·8	+0·8	51·7	+2·8	56·7	+1·8	10·1	67·1	19th	47·9	30th	19·2
	Extra India.																						
	Singapore (*a*)	10	29·814	−·101	29·775	29·899	9th	29·744	27th	·155	82·1	88·5	+1·3	74·5	+1·2	81·5	+1·3	14·0	92·0	27th & 28th	71·5	14th	20·5
	Penang (*a*)	17	29·841	−·084	29·783	29·912	21st	29·738	25th	·174	81·1	85·3	−1·2	72·9	−1·7	79·6	−1·5	13·4	91·0	1st	70·0	3rd	21·0
	Trincomalee	99	29·801	−·052	29·829	29·878	30th	29·679	4th	·199	76·6	88·8	+3·4	71·3	−0·3	81·5	+1·5	14·5	92·7	9th & 27th.	70·7	6th	22·0
	Colombo	24	29·904	−·037	29·854	29·954	30th	29·825	5th	·129	76·0	83·9	−2·7	73·8	−0·3	78·9	−1·5	10·1	86·6	27th.	71·2	18th	15·4
	Hambantota	64	29·861		29·851	29·908	30th	29·774	5th	·134	75·8	86·5		74·7		80·6		11·8	94·5	8th	72·6	29th	21·9
	Minicoy	7																					
	Amini Divi	13	29·917	−·042	29·858	29·994	30th	29·833	7th	·161	81·9	88·1	+2·1	76·8	+1·4	82·5	+1·7	11·3	91·6	9th	73·0	19th	18·6
	Gyantse†	13,120	18·581		18·542	18·672	12th	18·471	6th	·201	32·0	53·4		14·4		33·9		39·0	60·0	1st	6·2	5 days	53·8
	Pharijong	14,400																					
	Gangtok	5,667	24·559‡	−·014‡	24·513‡	24·630	12th	24·494	7th	·136	57·0	69·5	+4·8	50·6	+9·8	60·1	+7·2	18·9	76·5	1st	45·6	28th	30·9
	Gartok	15,100																					
	Kashgar	4,255	25·754 (*b*)	−·056		25·910	15th	25·500	13th	·410	30·9	54·9	+1·4	28·2	−0·8	41·5	+0·3	26·7	73·3	3rd	22·3	27th	51·0
	Kabul		24·292 (*b*)	−·008		24·410	21st	23·200	8th & 27th.	·210	35·1	76·4	+8·4	32·4	−1·7	54·4	+3·3	44·0	89·6	14th	27·8	25th	61·8
	Meshed	3,104	25·055		29·218	25·229	23rd	25·823	27th	·406	37·3	69·2	+6·9	32·7	−2·6	51·0	+4·1	36·5	78·8	8th	24·0	24th	54·8
	Jask	13	30·024	−·031	29·989	30·155	20th	29·896	1st	·259	71·9	85·7	+2·3	70·7	+1·7	78·2	+2·0	15·0	91·8	1st	67·1	24th	24·7
	Muscat	20	30·042	−·012	30·011	30·180	20th	29·923	1st	·257	75·1	86·4	+3·9	72·1	−3·1	79·2	+0·4	14·3	91·8	2nd	67·4	24th	24·4
	Bahrein	18																					
	Bushire	14	30·023	−·020	29·999	30·170	20th	29·912	8th	·253	65·5	78·2	+0·3	61·9	−0·4	70·0	−0·1	16·3	82·2	1st	58·6	22nd	23·6
	Basrah	25	30·069	−·029	30·064	30·225	19th	29·898	29th	·327	62·0	82·6	+7·3	52·7	−4·3	67·6	+1·5	29·9	93·8	14th	45·1	18th	48·7
	Kermân		24·575 (*b*)			24·710	20th	24·490	8th	·210	38·5	76·8		34·9		55·9		41·9	83·0	3rd, 4th & 5th.	29·8	2nd	53·2
	Ispahan	5,817																					
	Tehran	4,002																					
	Baghdad	127																					
	Beirut (*d*)																						
	Aden	94	29·927	−·024	29·955	30·017	22nd	29·847	8th	·170	77·2	85·9	+0·9	74·6	−0·2	80·2	+0·3	11·3	91·3	3rd	71·7	7th	19·6
	Zanzibar	72	29·932	+·014	29·930	30·075	3rd	29·900	30th	·175	80·6	84·9	+0·7	76·8	−0·4	80·8	+0·1	8·1	87·2	30th	72·2	27th	15·0

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.
(*d*) 8½ hrs. observations.

* Mean of 26 days.
† „ „ 29 „
‡ „ „ 25 „

days. The distribution of the spots in latitude was as follows :—

TABLE 1.

—	° ° 0—10	° ° 11—20	° ° 21—30	Mean latitude.	Extreme latitudes.
North . . .	4	4	5	15° 8	6° & 26°
South . . .	...	3	1	18°·5	15° & 21°

Prominences.—Ninety-four large, one metallic and two eruptive prominences were observed during the month. The greatest height attained was 180″ on the 17th at latitude —2° east, and again on the 27th at latitude—57° east.

Magnetic disturbances.—Two "great" disturbances were recorded from the 14th to 18th and from the 23rd to 24th, both being associated with spots near the central meridian. There were also "moderate" disturbances from the 19th to 22nd and on the 25th.

T. ROYDS,
for *Director*,
Kodaikanal and Madras Observatories.

Seismic records.

$\phi = 10° 13' 50''$; $\lambda = 77° 28' 00''$; $h = 2343$m. *Subsoil* Rock.

Apparatus.—Milne's Horizontal Pendulum Seismograph.

TABLE 2.

	V	To	∈	$\frac{r}{To^2}$
AN:				
AE:	9·76	18·6	1	2·5
AZ:				

Date.	Phase.	Time, G. M. T.	Period (Sec.).	Amplitude (u). An.	Ae.	Az.	Distance Δ (Km.).	Remarks.
1915.		h. m. s.						
October 3rd	e P	7 24 00	...	...	...	...	...	
	i L	7 57 30	...	...	...	...	...	
	M	8 15 48	...	..	350	...	...	
	F	9 48 48	..	.	...	...	...	
„ 5th	e P	14 08 06	...	...	...	...	...	Widening of line.
	F	14 58 30	...	...	...	...	...	
1915. Oct. 11th	e P	h. m. s. 20 52 48	...	...	...	...	...	Widening of line.
	F	21 48 18	...	...	...	...	...	

T. ROYDS,
Assistant Director.

BOMBAY OBSERVATORY.

Alibag magnetic record.

4. During the month of October 1915 the traces showed 9 calm days, 17 days of small and 5 days of moderate disturbances.

The days of the month selected as quiet for purposes of the Magnetic Survey of India are the 2nd, 6th, 13th, 28th and 29th.

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

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

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° 39′ 40″
Horizontal force	0·36861 C.G.S. unit.
Vertical force	0·16722 C.G.S. unit.
Inclination	24° 24′·1.
Horizontal force range . . .	0·00054 C.G.S. unit.
Horizontal force summed range .	0·00313 C.G.S. unit.
Declination range . . .	2′·4.
Declination summed range . .	9′·5.

(NOTE.—Summed range means sum without regard to sign of the twenty-four ordinates of the (diurnal inequality).

Seismic records.

$\phi = 18° 53' 36''$; $\lambda = 72° 48' 56''$; $h = 11$ m. *Subsoil* Trap.

Apparatus.—Milne's Horizontal Pendulum Seismograph.

TABLE 4.

	V	To	ϵ	$\frac{r}{To^2}$
AN:				
AE:	9	21	1	
AZ:				

Date.	Phase.	Time, G. M. T.	Period (Sec.)	Amplitude (u). An.	Ae.	Az.	Distance Δ (Km.)	Remarks.
1915.		h. m. s.						
October 3rd	P	7 15 27	...	...	...	...	...	
	M	8 4 27	...	...	256	...	...	
	F	9 38 26	...	...	...	...	...	
„ 4th		7 16 0	...	...	...	...	...	
„ 12th		6 42 0	...	...	...	...	...	
„ 20th		10 3 0	...	...	...	...	...	
„ 22nd		6 35 0	...	...	...	...	...	
„ 31st		13 0 0	...	...	...	...	...	

Sensibility to tilt 1·0 mm. of amplitude on the trace = 0·29″

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

5. CALCUTTA (ALIPORE) OBSERVATORY.

Seismograph dismantled.

6. SIMLA OBSERVATORY.

Seismic records.

$\phi = 31° 6' 00''$; $\lambda = 77° 11' 00''$; $h = 2433·5$ m. Subsoil Rock.

Apparatus—Two Omori-Ewing Horizontal Pendulum Seismographs (*Masses 50 Kg.*).

TABLE 5.

	V	To	ϵ	$\frac{r}{To^2}$
AN:	14	45	1	
AE:	14	45	1	
AZ:				

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude (u). An.	Ae.	Az.	Distance Δ (Km.).	Remarks.
1915.		h. m. s.						
April 16th	i	14 8 42	...	...	...	...	...	
	F	14 23 00	...	...	...	...	...	Very slight shock.
„ 22nd	i	19 4 00	...	...	...	...	...	
	M	19 10 30	...	18	...	...	...	
	F	19 42 00	...	...	...	...	...	Slight tremors.
„ 28th	P	3 26 6	...	...	...	...	...	
	L	3 28 24	...	...	...	...	...	
	F	3 51 00	...	...	...	...	...	Slight shock.
„ 30th	P	1 49 6	...	...	...	...	...	
	S	1 53 18	...	...	...	...	...	
	L	1 56 48	...	...	...	...	...	
	M	1 58 30	7	14	...	...	...	
	F	2 19 00	...	...	...	...	...	
„ 30th	i	13 1 00	...	...	...	...	...	
	F	13 2 12	...	...	...	...	...	Very slight tremors.
May 2nd	P	5 9 24	...	...	...	...	...	
	S	5 17 24	...	...	...	...	...	
	L	5 29 30	...	...	...	...	...	
	M	5 33 00	37	...	821	...	...	Weight swinging against stops.
	F	9 32 00	...	...	...	...	...	

Date.	Phase.	Time, G. M. T.	Period (Sec.).	Amplitude (u). An.	Ae.	Az.	Distance Δ (Km.).	Remarks.
1915.		h. m. s.						
May 3rd	i	3 31 36	...	...	...	...	...	
	M	3 51 42	18	...	18	...	...	
	e F	4 34 00	...	...	...	...	...	Slight tremors.
„ 5th	P	15 18 30	...	...	...	...	...	
	S	15 20 24	...	...	...	...	...	
	L	15 21 36	...	...	...	..	...	
	M	15 22 42	8	...	32	...	...	
	F	15 46 00	...	...	...	...	...	
„ 6th	i	7 19 00	...	...	...	...	...	
	F	7 26 00	...	...	...	...	...	Very slight tremors.
„ 12th	i	10 54 30	...	...	...	...	...	
	M	11 20 30	24	71	...	...	...	
	F	11 43 00	...	...	...	...	...	
„ 21st	i	4 35 00	...	...	...	...	...	
	F	5 6 00	...	...	...	...	...	Very slight tremors.
„ 30th	i	0 13 18	...	...	...	.	...	
	F	0 23 00	...	...	...	...	...	Very slight tremors.
June 1st	i	14 56 48	...	...	...	...	...	
	M	15 22 18	20	14	25	...	...	
	F	15 53 00	...	...	...	...	...	
„ 3rd	P	8 9 54	...	...	...	...	...	
	L	8 11 12	Rapid	...	18	...	...	
	F	8 27 00	...	...	...	...	...	
„ 4th	i	22 19 36	...	...	...	...	...	
	M	22 30 42	17	...	11	...	.	
	F	22 49 00	...	...	...	...	...	Slight tremors.
„ 6th	P	21 48 48	...	...	...	...	...	
	S	22 10 48	...	...	...	...	...	
	L	22 30 36	...	...	...	...	...	
	M 1	22 36 6	42	86	7	...	...	
	M 2	22 53 00	25	71	36	...	...	
„ 7th	F	0 3 30	...	...	...	...	...	
„ 7th	i	22 26 00	...	...	...	.	...	
	F	22 42 00	...	...	...	...	...	Very slight tremors.
„ 17th	i	23 48 00	...	...	...	...	...	
„ 18th	F	0 15 00	...	...	...	...	...	Very slight tremors.
July 8th	i	22 47 00	...	...	...	...	...	
	F	23 1 00	...	...	...	...	...	Slight tremors.

Date.	Phase.	Time, G. M. T.	Period (Sec.).	Amplitude (u). An.	Ae.	Az.	Distance Δ (Km.).	Remarks.
1915.		h. m. s.						
July 31st	P	1 41 48	...	...	...	...	...	
	S	1 50 12	...	...	...	...	...	
	L	1 55 24	...	...	...	...	...	
	M	2 6 48	35	375	411	...	...	
	F	4 34 00	...	...	..	...	...	
August 3rd	P	13 15 42	...	...	...	...	...	
	S	13 24 24	...	...	...	...	...	
	e L	13 32 6	...	...	...	...	...	
	F	14 16 00	...	...	...	...	...	Very slight distant shock.
„ 6th	i	13 21 48	...	...	...	...	...	
	M	13 47 48	17	14	25	...	...	
	F	14 26 00	...	...	...	...	...	
„ 7th	i	15 14 18	...	...	...	...	...	
	e L	15 23 6	...	...	...	...	...	
	M	15 36 48	17	18	7	...	...	
	F	16 11 00	...	...	...	...	...	
„ 10th	i	2 17 00	...	...	...	...	...	
	F	2 51 00	...	...	...	...	...	Slight tremors.
„ 11th	i	9 26 00	...	...	...	...	...	
	F	9 57 00	...	...	...	...	...	Very slight tremors.
„ 12th	i	7 45 12	...	...	...	...	...	
	M	8 10 12	20	18	...	...	...	
	F	8 39 00	...	...	...	...	...	
„ 12th	P	9 22 30	...	...	...	...	...	
	S	9 27 18	...	...	...	...	...	
	L	9 32 12	...	...	...	...	...	
	M	9 33 48	21	57	54	...	...	
	F	10 16 00	...	...	...	...	...	
„ 13th	i	19 36 00	...	...	...	...	...	
	F	19 47 00	...	...	...	...	...	Very slight tremors.
„ 16th	i	1 16 6	...	...	...	...	...	
	F	1 22 00	...	...	...	...	...	
„ 31st	i	20 55 30	..	...	...	...	...	
	F	21 32 00	...	...	...	...	...	Slight tremors.
Sept. 1st	i	1 14 48	...	...	...	...	...	
	M	1 23 54	...	18	14	...	...	
	F	1 46 00	...	...	...	...	...	Slight tremors.

Date.	Phase.	Time, G. M. T.	Period (Sec.)	Amplitude (u) An.	Ae.	Az.	Distance Δ (Km.).	Remarks.
1915.		h. m. s.						
Sept. 1st	i	2 10 00	...	...	...	...	...	
	F	2 25 00	...	...	...	...	...	Very slight tremors.
„ 7th	P	1 42 24	...	...	...	...	...	
	eL	2 19 6	...	...	...	...	...	
	M1	2 24 24	...	...	...	...	...	Weight of A. machine struck stops at 2 hours 24·4 minutes and 2 hours 32·4 minutes.
	M2	2 32 24	...	...	...	...	...	Weight of B. machine striking stops at 2 hours 32·4 minutes to 2 hours 38·4 minutes.
	F	4 24 00	...	...	...	...	...	
„ 12th	i	0 8 00	...	...	...	...	...	
	F	0 42 00	...	...	...	...	...	Very slight tremors.
„ 12th	i	21 40 00	...	...	...	...	...	
	F	22 7 00	...	...	...	...	...	Very slight tremors.
„ 23rd	P	8 22 00	...	...	...	...	...	
	eS	8 28 18	...	...	...	...	...	
	eL	8 38 18	...	...	...	...	...	
	M	8 39 18	18	21	14	...	...	
	F	9 3 00	...	...	...	...	...	
„ 28th	i	22 21 00	...	...	...	...	...	
	F	22 29 00	...	...	...	...	...	Very slight tremors.
Oct. 3rd	P	7 12 00	...	...	...	...	...	
	eL	7 47 30	...	...	...	...	...	
	M1	7 50 30	33	...	346	...	...	
	M2	7 59 00	28	214	...	...	...	
	F	9 37 00	...	...	...	...	...	
„ 5th	i	14 5 36	...	...	...	...	...	
	F	14 26 00	...	...	...	...	...	Very slight tremors.
„ 8th	i	15 47 00	...	...	...	...	...	
	F	16 15 00	...	...	...	...	...	Very slight tremors.
„ 11th	i	20 37 24	...	...	...	...	...	
	F	20 51 00	...	...	...	...	...	Very slight tremors.
1915.		h. m. s.						
Oct. 12th	i	21 55 00	...	...	...	...	...	
	F	22 32 00	...	...	...	...	...	Very slight tremors.
„ 26th	P	22 10 48	...	...	...	...	...	
	L	22 11 18	Rapid	18	...	...	...	
	F	22 21 00	...	...	...	...	...	Slight local shock.

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

TABLE 6.

Place at which felt.	Date.	G. M. T. of earthquake.	Duration.	Intensity Rossi-Forel scale.	No. of shocks.
		h. m.	Sec.		
Drosh	Oct. 3rd	13 55	5	4	1
Shillong	„ 10th	5 45	1	4	1
Salonah (District Nowgong, Assam).	„ 11th	23 29	7	4	1
Shillong	„ 17th	9 41	1	5	1
Drosh	„ 24th	23 30	7	5	1
Do.	„ 25th	2 0	2	3	1
Do.	„ 26th	22 10	10	7	2
Hoti (District Peshawar, North-West Frontier Province.)	„ 26th	22 10	70	4	1
Srinagar	„ 26th	22 12	5	6	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	1·50
Minimum	1·46
Mean	1·48
Number of days of observation .	2

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ROYAL ALFRED OBSERVATORY, MAURITIUS.

7. No information has been received.

Weather in the Indian Ocean.

8. In the west of the equatorial belt as represented by Zanzibar and Seychelles, barometric pressure was almost normal; the air movement was somewhat in defect and the rainfall was on the whole in decided excess.

TABLE 7.

—	Mauritius.	Zanzibar.	Seychelles.
Departure from normal of mean pressure	+·001	—·003	+·001
Actual mean wind direction . .	S 73° E	S 1° W	S 33° E
Normal mean wind direction . .	S 77° E	S 20° E	S 39° E
Actual mean wind velocity (miles per diem).	180	82	125
Normal mean wind velocity (miles per diem).	179	89	139
Rainfall departure from normal . .	—1·39	—1·04	+4·72

Depressions and cyclonic storms.

9. Four disturbances influenced the weather in India in the course of the month, and only the first of them was sufficiently severe to be classed as a cyclonic storm. The following is a brief statement of their history.

The first was, as has already been mentioned in the September review, generated on the 27th September over the Andamans and by the morning of the 28th when it lay near to Table Island, had acquired a depth of over a tenth of an inch below the pressure of the surrounding region. From here it travelled in a northwesterly direction across the Bay and after reaching the Madras coast in the neighbourhood of Waltair on the 1st October, with a barometric depth of at least a third of an inch, turned southwestwards and skirted the coast line with a slow rate of progression and diminishing intensity. By the morning of the 2nd the centre had reached a point midway between Cocanada and Masulipatam; it crossed the coast shortly after 8 hrs. and rapidly changing its course travelled roughly northwards during the next 48 hours through the east of the Central Provinces. It then turned to north-east and marching past Jubbulpore on the 5th, Sutna on the 6th and Allahabad on the 7th, and broke up against the Nepal hills. Its depth was practically unaffected by its passage overland which is contrary to the usual rule.

Widespread and in places heavy rain occurred under its influence over the northern half of the Peninsula, the central parts of the country and the east of the United Provinces.

The storm was remarkable chiefly for (*a*) its longevity, (*b*) its turning southwestwards on approaching the coast near Vizagapatam, presumably owing to the obstructive action of the Ghats and (*c*) its remaining undiminished in severity during its five days' passage overland. It may be noted that during the past forty years there is not a single instance on record of a storm turning southwestwards in the immediate neighbourhood of a coast line.

The statement below gives the position of the centre at 8 hours on each day of its existence. Only a few observations from ships being available the positions assigned over the Bay are not quite reliable.

TABLE 8.

Date.	Position at 8 A.M.			
	Lat.		Long.	
	°	′	°	′
1st	17	30	84	20
2nd	16	15	82	10
3rd	18	50	80	15
4th	21	25	80	00
5th	23	00	80	40
6th	24	00	81	15
7th	25	00	82	20

The second disturbance was formed over the north-east of the Arabian Sea to the west of Kathiawar during the 4th. It developed slightly on the 5th and moving eastwards crossed inland near Surat on the morning of the 7th. It was throughout its existence very shallow, but occasioned some useful rain in Gujarat and Rajputana.

The third disturbance was formed over the Bay off the north coast of Madras on the 8th and 9th, passed inland on the 10th and advancing rapidly westwards dissipated over Gujarat on the 12th. It was very feebly marked, but gave rise to widespread, but moderate, rainfall over the belt of country stretching from north Madras to east Gujarat and south Rajputana.

The disappearance of the previous disturbance coincided with the formation over the north-east of the Bay of the

fourth depression of the month. This apparently travelled northwards parallel to the coast, crossed into south-east Bengal some time on the 14th as a shallow depression, and disappeared over the region between Calcutta and Narayanganj on the 17th. It was comparatively unimportant and gave rain only in lower Bengal and the southern parts of Assam. Some of the falls in eastern Bengal were however heavy and are reported to have caused local floods.

At the end of the month signs were apparent of the formation over the centre of the Bay of another disturbance.

Pressure.

10. Atmospheric pressure was below the normal throughout the plains by amounts ranging from about ·02″ in Malabar to a tenth of an inch in the region defined by Mainpuri, Agra, Jaipur, Saugor and Jhansi and at Chanda, Raipur, Jubbulpore, Allahabad, Buxar and Patna. On the average of all the plains observatories there was a deficiency of ·074″ which has been surpassed only once during the past 41 years.

The statement below giving the most noteworthy negative departures in previous years shows the extraordinary character of the pressure conditions prevailing in October 1915.

TABLE 9.

Month and year.	Departure from normal of the geographical mean of pressure in the plains of India.
	″
January 1887	—·071
March 1892	—·074
February 1898	—·077

The low pressures extended, although in a modified degree, westwards to Bushire and Aden but scarcely reached to Zanzibar.

TABLE 10.

STATION.	Departure from normal of pressure.
	″
Bushire	—·042
Aden	—·068
Zanzibar	—·003

The lowness was not a mere effect of temperature as recorded in the lower atmospheric strata, for nowhere was the excess in temperature large in amount.

TABLE 11.

DIVISION.	DEPARTURE FROM NORMAL OF	
	Mean 8 hrs. pressure.	Mean temperature.
	″	°
Burma	—·071	+0·9
Assam	—·079	+3·1
Bengal	—·085	+2·5
Bihar and Orissa	—·084	+2·3
United Provinces	—·093	+2·7
Punjab	—·079	+1·7
North-West Frontier Province	—·090	+1·5
Sind	—·073	+1·9
Rajputana	—·087	+3·1
Bombay	—·058	+0·1
Central India	—·087	+2·4
Central Provinces	—·088	+1·4
Hyderabad	—·057	+0·2
Mysore	—·025	+0·5
Madras	—·041	+1·4

Over the greater part of the country, the deficiency in pressure was more marked in the plains than at the level of the observing hill stations; in other words the vertical pressure gradient was not so strong as usual.

TABLE 12.

HILL STATION.	Departure from normal pressure. A	PLAIN STATION.	Departure from normal pressure. B	Departure of pressure difference. B—A
	″		″	″
Quetta	—·049	Jacobabad	—·057	—·008
Leh	+·016	Lahore	—·072	—·088
Murree	—·036	Peshawar	—·085	—·049
Simla	—·023	Ludhiana	—·072	—·049
Darjiling	—·019	Dhubri	—·072	—·053
Mount Abu	—·079	Deesa	—·071	+·008
Pachmarhi	—·090	Khandwa	—·076	+·014
Kodaikanal	—·007	Madura	—·041	—·034

Temperature.

11. The maximum temperature was on the mean of the month slightly higher than usual in the south-east of Madras, Upper Burma, Assam, north Bengal, the region round Agra and Bareilly, the west Punjab, the Himalayas and the Afghan hills, and between 2° and 4° below the normal in the Bombay Deccan, south Gujarat and on the Tenasserim coast from Tavoy southwards. The minimum temperature, on the other hand, corresponded closely with the normal in Lower Burma and most of the Peninsula, and was appreciably in excess in Upper Burma and the whole of northern and central India excluding Baluchistan, the North-West Frontier Province and the north Punjab. Mean temperature was somewhat above normal in the tract between Rajputana and Upper Burma as well as in the Himalayas including Kashmir and about the average over the rest of the country.

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	85·7	77·3	81·5	8·3	15·1	—0·4	+0·2	—0·6
2. Lower Burma	86·3	75·7	81·0	10·7	18·3	—0·9	+0·5	—1·4
3. Upper Burma	90·8	74·3	82·5	16·5	26·3	+2·1	+2·3	—0·2
4. Assam	89·2	74·9	82·0	14·3	24·2	+2·6	+3·6	—1·0
5. Bengal	89·2	76·7	82·9	12·5	22·6	+1·8	+3·1	—1·3
6. Orissa	88·7	76·3	82·5	12·4	24·0	—0·3	+2·9	—3·2
7. Chota Nagpur	88·8	71·7	80·3	17·1	30·3	+1·3	+3·7	—2·4
8. Bihar	90·4	75·6	83·0	14·7	26·1	+1·8	+4·3	—2·5
9. United Provinces, East	90·9	71·9	81·4	19·1	32·0	+0·6	+4·3	—3·7
10. Do., West	93·7	69·7	81·7	24·0	37·6	+2·1	+4·0	—1·9
11. Punjab, East and North	93·3	64·4	78·8	28·9	42·4	+0·9	+2·2	—1·3
12. Do., South-west	97·4	64·6	81·0	32·8	47·6	+2·3	+1·7	+0·6
13. Kashmir	67·5	41·5	54·5	26·0	41·5	+4·1	+3·6	+0·5
14. North-West Frontier Province	93·8	59·7	76·7	34·1	50·9	+2·8	+0·3	+2·5
15. Baluchistan	84·3	49·1	66·7	35·2	51·1	+1·2	—0·9	+2·1
16. Sind	96·6	71·8	84·1	24·8	39·8	+0·9	+2·9	—2·0
17. Rajputana, West	96·9	74·4	85·7	22·5	38·4	+0·5	+4·9	—4·4
18. Do., East	94·2	72·9	83·5	21·3	36·3	+0·3	+6·4	—6·1
19. Gujarat	92·3	74·2	83·3	18·2	32·3	—1·8	+3·4	—5·2
20. Central India, West	89·7	69·5	79·5	20·2	35·1	—0·1	+5·6	+5·7
21. Do., East	88·5	70·1	79·3	18·4	33·4	—0·5	+4·7	—5·2
22. Berar	87·6	70·5	79·0	17·2	32·6	—1·9	+3·1	—5·0
23. Central Provinces, West	88·3	70·2	79·2	18·1	34·3	—0·9	+4·0	—4·9
24. Do., East	87·0	71·2	79·1	15·8	29·5	—0·1	+4·2	—4·3
25. Konkan	85·6	75·5	80·5	10·1	19·8	—1·2	+0·5	—1·7
26. Bombay Deccan	86·4	67·2	76·8	19·2	34·3	—2·1	+0·7	—2·8

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.
	°	°	°	°	°	°	°	°
27. Hyderabad, North	87·0	69·6	78·3	17·4	32·8	—1·4	+2·1	—3·5
28. Do., South	88·3	71·7	80·0	16·6	28·3	—1·3	+1·4	—2·7
29. Mysore	84·1	66·2	75·1	17·9	27·2	+0·9	+0·2	+0·7
30. Malabar	85·7	74·9	80·3	10·7	18·3	+0·3	+0·3	0
31. Madras, South-east	92·0	75·5	83·7	16·5	25·3	+2·4	+1·2	+1·2
32. Do. Deccan	91·5	73·8	82·7	17·7	29·2	+0·3	+1·7	—1·4
33. Do. Coast, North	90·4	77·4	83·9	13·0	24·5	+1·5	+1·7	—0·2

TABLE 14.

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

Division.	Departure from normal of Mean maximum temperature.	Mean minimum temperature.	Mean temperature.
	°	°	°
Sind	+0·9	+2·9	+1·9
Rajputana	+0·4	+5·8	+3·1
Bombay	+1·8	+1·9	+0·1
Central India	—0·3	+5·1	+2·4
Central Provinces	—1·0	+3·8	+1·4
Hyderabad	—1·4	+1·7	+0·2
Mysore	+0·9	+0·2	+0·5
Madras	+1·5	+1·2	+1·4

Winds.

12 (*a*) Winds were stronger and steadier than usual in Madras, Mysore, Hyderabad, the Central Provinces and Central India and were very unsteady and light in the North West Frontier Province. In Burma, the Punjab and Bombay the rate of movement was normal and the steadiness in excess, while the opposite was the case in Rajputana. In north-east India and the United Provinces winds were fairly normal both as regards velocity and steadiness.

(*b*) The direction of movement was unusual generally in the Central Provinces, the Bombay Deccan, Hyderabad, Mysore, the east coast districts south of Gopalpur and parts of Gujarat, being in fact such as usually prevails in September.

TABLE 15.

Station.	Wind Direction. Actual.	Normal.
Veraval	N 71° W	N 2° E
Ahmedabad	N 79° W	N 8 E°
Akola	W	N 53° E
Pachmarhi	N 45° W	N 34° E
Chanda	W	N 14° E
Poona	S 56° W	S 69° E
Belgaum	W	N 53° E
Hyderabad (Deccan)	N 64° W	S 68° E
Raichur	N 81° W	S 79° E
Cocanada	N 82° W	N 11° W
Bangalore	S 86° W	N 1° E
Mercara	N 79° W	N 27° E
Cuddapah	N 71° W	N 72° E
Cuddalore	S 58° W	N 69° W

TABLE 16.

Division.	Departure from normal of	
	Hourly wind velocity.	Wind steadiness.
Burma	—0·1	+ 8
Assam	—0·5	+ 2
Bengal	—0·2	+ 1
Bihar and Orissa	+0·2	— 3
United Provinces	+0·2	+ 1
Punjab	+0·1	+ 7
North-West Frontier Province	—0·6	— 8
Sind	—0·7	— 1
Rajputana	0	—16
Bombay	—0·2	+ 6
Central India	+1·0	+ 9
Central Provinces	+0·9	+ 9
Hyderabad	+1·9	+25
Mysore	+1·2	+41
Madras	+0·7	+13

Humidity and cloud.

13. The air was unusually damp, both absolutely and relatively, in the region comprising Rajputana, Gujarat, Central India, the Central Provinces, Khandesh and Hyderabad, and was appreciably dry, in both respects, in south-east Madras. In north-east India and the United Provinces the absolute humidity was well above the normal, but the percentage of saturation was average owing to excessive temperature. In the rest of the country the departures from the normal were small and irregular.

The distribution of cloud resembled closely to that of the absolute humidity. The sky was covered to about the customary extent in Baluchistan, the North-West Frontier Province, Kashmir, the Bombay Deccan and Upper Burma, clearer than usual in southern India and unusually cloudy in almost all other places. In Rajputana and Gujarat the recorded proportion was more than double the normal amount.

TABLE 17.

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	0	·875	+·016	6·0	+0·8
Assam	88	— 1	·880	+·087	4·8	+0·8
Bengal	87	+ 2	·921	+·077	4·8	+1·2
Bihar and Orissa	81	+ 3	·837	+·095	4·0	+1·3
United Provinces	71	+ 2	·705	+·103	1·8	+0·6
Punjab	59	+ 3	·489	+·044	1·1	+0·5
North-West Frontier Province.	65	+ 6	·446	+·025	0·7	0
Sind	62	0	·622	+·039	1·4	+0·6
Rajputana	53	+ 5	·544	+·109	2·3	+1·3
Bombay	78	+ 9	·758	+·082	3·8	+1·1
Central India	75	+13	·687	+·149	3·3	+1·4
Central Provinces	77	+12	·709	+·142	4·0	+1·9
Hyderabad	77	+ 9	·711	+·072	4·4	+1·2
Mysore	81	0	·625	—·015	5·5	—0·9
Madras	78	— 2	·819	+·006	4·4	—0·8

Rainfall.

14. There were four well-defined periods of rainfall, *viz.*, the 1st to the 8th, the 9th to the 13th, the 14th to the 24th and the 25th to the end of the month. The first period was distinguished by the occurrence of a cyclonic storm over the Bay and an area of disturbed squally weather over the north-east of the Arabian Sea. The combined action of the two disturbances caused a spell of rainy weather over the United Provinces, Central India and the northern half of the Peninsula including the Central Provinces, and affected even north-west India where fairly widespread and much-needed showers occurred. During the second period a cyclonic disturbance of slight intensity passed from the Bay into the

Central Provinces and gave rise to moderate rainfall in the northern half of the Peninsula, south Rajputana, Central India West and parts of east Gujarat. In the third period rainfall was confined almost entirely to Burma, Bengal and Assam and was due in part to a depression which passed from the Bay into lower Bengal and partly to peculiarities in the distribution of pressure. During the last period there were numerous falls on the Burma coast and in southern India.

The aggregate rainfall of the month in the plains of India was above the normal by 0·92 or 32 per cent. The excess was not however common to the whole country, for Upper Burma, Assam, the United Provinces West, the Bombay Deccan, Mysore and Madras excepting the north coast reported short supplies, the deficit being small however in actual amount except in the cases of Madras South-east (—3·98) and Mysore (—1·33). In the areas of excess, rainfall was remarkably heavy for the time of year in Gujarat, Rajputana, Central India, the Central Provinces and Hyderabad South.

TABLE 18.

Sub-division.	Number of rainy days.		Rainfall.			
	Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
			"	"	"	
1. Bay Islands	14·5	12·9	12·66	8·71	+3·95	+ 45
2. Lower Burma	14·7	10·4	12·01	7·67	+4·34	+ 57
3. Upper Burma	7·4	7·2	5·33	5·41	—0·08	— 1
4. Assam	5·7	6·4	4·11	5·12	—1·01	— 20
5. Bengal	5·9	4·9	5·27	4·50	+0·77	+ 17
6. Orissa	7·8	5·1	6·45	4·23	+2·22	+ 52
7. Chota Nagpur	4·4	3·0	2·07	2·09	—0·02	— 1
8. Bihar	3·3	2·6	2·76	2·36	+0·40	+ 17
9. United Provinces, East	2·7	1·7	3·83	1·99	+1·84	+ 92
10. Do., West	1·0	0·8	0·49	0·90	—0·41	— 46
11. Punjab, East and North	0·9	0·4	0·72	0·26	+0·46	+177
12. Punjab, South-west	0·3	0·1	0·17	0·04	+0·13	+325
13. Kashmir	1·4	1·2	0·67	0·64	+0·03	+ 5
14. North-West Frontier Province	1·2	0·6	0·70	0·27	+0·43	+159
15. Baluchistan	0·3	0·1	0·12	0·03	+0·09	+300
16. Sind	0·6	0	0·38	0·01	+0·37	+3700
17. Rajputana, West	1·9	0·1	1·22	0·05	+1·17	+2340
18. Do., East	2·4	0·4	1·56	0·44	+1·12	+255
19. Gujarat	5·1	0·8	3·80	0·59	+3·21	+544
20. Central India, West	4·3	0·8	2·73	0·56	+2·17	+387
21. Do., East	3·0	1·1	2·22	1·02	+1·20	+118
22. Berar	6·3	2·1	4·11	1·55	+2·56	+165
23. Central Provinces, West	6·1	1·8	4·32	1·35	+2·97	+220
24. Do., East	6·0	2·2	5·25	1·55	+3·70	+239
25. Konkan	8·5	5·4	5·73	3·97	+1·76	+ 44
26. Bombay Deccan	4·7	4·5	2·84	3·06	—0·22	— 7
27. Hyderabad, North	5·2	3·3	3·92	2·40	+1·52	+ 63
28. Do., South	5·8	4·2	7·46	2·91	+4·55	+156
29. Mysore	6·1	7·9	4·09	5·42	—1·33	—25

Sub-division.	Number of rainy days.		Rainfall.			
	Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
			"	"	"	
30. Malabar	10·3	11·4	7·70	9·05	—1·35	—15
31. Madras, South-east	4·8	9·0	3·34	7·32	—3·98	—54
32. Do. Deccan	4·8	5·9	2·77	4·27	—1·50	—35
33. Do. Coast, North	7·3	6·6	7·93	6·33	+1·60	+25

TABLE 19.

Division.	Rainfall.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Burma	7·96	6·30	+1·66	+ 26
Assam	4·11	5·12	—1·01	— 20
Bengal	5·27	4·50	+0·77	+ 17
Bihar and Orissa	3·56	2·77	+0·79	+ 29
United Provinces	2·02	1·40	+0·62	+ 44
Punjab	0·58	0·21	+0·37	+176
North-West Frontier Province	0·70	0·27	+0·43	+159

Division.	Rainfall.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Sind	0·38	0·01	+0·37	+3700
Rajputana	1·46	0·32	+1·14	+ 356
Bombay	3·67	2·43	+1·24	+ 51
Central India	2·51	0·79	+1·72	+ 218
Central Provinces	4·62	1·49	+3·13	+ 210
Hyderabad	5·79	2·65	+3·14	+ 118
Mysore	4·09	5·42	—1·33	— 25
Madras	5·02	6·82	—1·80	— 26
Mean of India	3·76	2·84	+0·92	+ 32

Snowfall.

I.—AFGHANISTAN.

15. A snow storm is reported to have occurred on the peaks of the Shakardara and Paghman hills, on the 3rd.

II.—NORTH-WEST FRONTIER PROVINCE.

Kurram.—There was a snow storm on the Sufed Koh on the 5th. At the end of the month a few inches of snow still lay unmelted on the Agam pass and the Paiwar Kotal.

III.—KASHMIR.

The statement below shows the character of snow fall in this area :—

TABLE 20.

Locality.	Date of occurrence.	Depth or character of fall.	REMARKS.
Higher ranges around Srinagar.	At the commencement of the month.	Light	
Dras	10th and 11th	Light	Melted away quickly.
Ranges near Kargil	11th, 12th and 13th.	About 4½ feet.	At the end of the month the unmelted residue on the summit of the Archula, Nakthula, and Barulla was believed to be 2 feet, 1 foot and 3 inches in depth respectively.

IV.—PUNJAB.

Kilba (Simla Hills).—On the ranges near Kilba snow storms were of daily occurrence during the first eleven days with the exception of the 2nd and the 9th. The falls of the 6th and 7th were confined to the heights above 17,500 feet, but on all other occasions the snow line was at 11,000 feet at which level the total fall was estimated at about 1½ feet. At the end of the month the Harang and Shatul passes were quite bare of snow, while the Rupin and Brua were still covered appreciably (about 1 foot of snow lying on the former and 2 feet on the latter).

V.—UNITED PROVINCES.

Almora.—The aggregate fall of the month was estimated at 12½ feet in Byans, 3 feet in Malla Darma, 2½ feet in Malla Danpur and 2 feet in Chaudas. The snow line came down to a distance of 1 to 6 miles from the perpetual snows.

SUMMARY.

16. On the whole there was less snowfall than usually occurs in October in the mountain zone bordering upper India.

HEM RAJ.

Table A.—Abstract of observations taken at 10 hrs. and 16 hrs. at 12 stations in India, etc., in October, 1915.

Table

Abstract of observations taken at 10 hrs. and 16 hrs. at 12

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 pressure.	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
	III.—Bengal.																					
5	Calcutta	21	29·802	29·691	·111	29·743	—·097	29·711	89·6	77·7	11·9	93·9	73·1	20·8	85·6	85·9	83·1	+3·1	76·2	79·4	78·9	78·2
	VI.—Punjab.																					
11	Lahore	702	29·125	29·034	·091	29·069	—·080	29·731	93·9	62·5	31·4	99·2	52·6	46·6	82·9	92·9	76·8	+1·1	59·7	68·9	71·6	66·7
	IX.—Rajputana.																					
18	Jaipur	1,431	28·408	28·308	·100	28·352	—·107	29·697	95·5	70·9	24·6	100·7	60·0	40·7	86·6	93·2	81·9	+4·0	62·0	69·3	70·1	67·1
	X.—Bombay.																					
25	Bombay	37	29·849	29·751	·098	29·309	—·038	29·786	86·8	77·7	9·1	91·1	74·6	16·5	82·1	84·0	80·9	+0·2	72·7	77·5	78·0	76·1
	XIV.—Mysore.																					
29	Bangalore	3,021	26·937	26·825	·112	26·882	—·025	29·715	84·4	65·9	18·5	88·4	62·8	25·6	80·2	83·7	73·6	+1·8	66·8	69·7	70·1	68·1
	XV.—Madras.																					
31	Pudukkottai	318	29·570	29·436	·134	29·503		29·747	94·3	75·6	18·7	99·9	72·2	27·7	86·4	91·5	84·9			75·4	75·6	
	Madras	22	29·839	29·730	·109	29·790	—·055	29·743	91·9	77·0	14·9	97·7	71·4	26·3	87·1	87·8	83·2	+2·4	75·4	79·0	79·5	77·6
	Hill stations, excluding Kashmir and Baluchistan.																					
	Saraia		23·197	23·140	·057	23·161		23·123	69·2	47·4	21·8	75·5	37·6	37·9	61·4	64·6	58·3			53·1	55·3	
	Kalabagh																					
	Katmandu	4,388	25·725	25·638	·087	25·678	+·041	25·633	81·3	64·3	17·0	86·0	58·0	28·0	74·0	76·8	72·8	+5·9	62·3	67·3	69·2	66·3
	Kodaikanal	7,688	22·840	22·772	·068	22·806		22·741	66·1	51·8	14·3	69·5	48·2	21·3	63·0	60·3	59·0		49·0	57·2	57·1	54·4
	Dodabetta	8,539†																				
	Extra India.																					
	Seychelles	15	29·994	29·896	·098	29·956†	+·001†	29·894	83·0	77·9	5·1	85·0	74·8	10·2	81·5	82·0	79·1	+1·4†	72·0	76·3	76·2	74·8
	Mauritius	191				29·937	+·001	30·066	81·5	63·6	17·9	84·9	55·5	29·4			72·2	+0·3				65·1

N.B.—Elevations in italics indicate barometric 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.

† Departure from old normal.

A.

stations in India, etc., in October, 1915.

Vapour tension, in inches of mercury.					Humidity.					Cloud.				Wind direction.											Wind steadiness.		Wind velocity		Rainfall.		Station.	Number of sub-division.
														Total number of 10 hrs. and 16 hrs. winds from																		
From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean 10 hrs.	Mean 16 hrs.	Mean of two previous columns.	Departure from normal.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Mean wind direction.	Normal mean wind direction of month.	Average percentage.	Normal percentage.	Mean velocity in miles per diem.	Normal.	Total rainfall for the month.	Heaviest rainfall during the month.		
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
																															III.—Bengal.	
·885	·923	·895	·921	+·105	93	75	73	83	+ 1	5·9	6·8	6·3	+1·7	3	4	2	8	7	8	12	6	12	S 49° W	N 18° W	18	11	59	49	3·90	0·99	Calcutta	5
																															VI.—Punjab.	
·182	·519	·489	·504	+·059	84	47	33	59	+ 7	1·3	0·6	0·9	+0·1	32	2	1	0	2	0	1	4	20	N 49° W	S 9° W	35	11	17	28	1·30	1·07	Lahore	11
																															IX.—Rajputana.	
·161	·483	·453	·471	+·039	59	36	30	46	0	2·6	3·3	2·9	+1·2	3	9	11	4	1	1	4	13	16	N 32° W	N 27° W	45	38	65	54	0·05	0·05	Jaipur	18
																															X.—Bombay.	
·739	·880	·875	·844	—·008	78	80	75	80	— 1	4·5	3·5	4·0	+0·9	0	1	3	8	6	9	11	11	13	S 57° W	N 9° E	26	32	135	159	2·55	0·75	Bombay	25
																															XIV.—Mysore.	
·590	·632	·614	·726	+·118	93	63	60	77	— 1	5·5	6·7	6·1		1	4	6	4	4	4	7	23	9	N 83° W	N	37	8	118	82	3·22	1·32	Bangalore	29
																															XV.—Madras.	
	·728	·669				58	46			3·8	6·2	5·0		8	4	4	1	4	5	8	12	16	N 78° W		37		84		3·06	2·00	Pudukkottai	31
·851	·877	·892	·839	+·033	92	69	68	78	— 5	5·2	5·1	5·1	—0·9	0	3	6	3	12	4	10	20	4	S 56° W	N 54° E	27	20	78	84	3·71	1·42	Madras.	
																															Hill stations, excluding Kasumir and Baluchistan.	
	·325	·319				59	57			2·6	2·7	2·7																	0·97	0·56	Sarain.	
																															Kalabagh.	
·541	·596	·627	·586	+·110	83	71	66	77	+ 2	5·1	6·6	6·0	+2·0	0	0	2	19	0	0	0	37	4	N 78° W	S 83° W	32	34	11	12	2·85	0·71	Katmandu.	
·319	·409	·433	·387		83	72	83	79		5·3	8·2	6·7		1	4	5	13	15	3	0	9	12	N 76° E		16		169		4·24	1·14	Kodaikanal.	
																															Dodabetta.	
																															Extra India.	
·711	·839	·830	·836	+·012	74	78	76	78	— 3	5·5	6·3	5·9	—0·3†	15	1	0	2	32	7	5	0	0	S 33° E	S 39° E	60	51	125	139	9·59	2·63	Seychelles.	
			·515	—·032				65	— 5			4·5	—0·7										S 73° E	S 77° E			180		0·17	0·03	Mauritius.	

† Departure from old normal.

Table B.—Abstract of observations taken at 8 hrs. at 261 stations in India, etc., in October, 1915.

(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 2,300 stations.

Division.	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	—·071	88·2	+0·5	75·1	+1·4	81·6	+0·9	13·1	21·6	—0·1	+ 8	89	0	·875	+·016	6·0	+0·8	7·96	6·30	+1·66
Assam	—·079	89·2	+2·6	74·9	+3·6	82·0	+3·1	14·3	24·2	—0·5	+ 2	88	— 1	·880	+·087	4·8	+0·8	4·11	5·12	—1·01
Bengal	—·085	89·2	+1·8	76·7	+3·1	82·9	+2·5	12·5	22·5	—0·2	+ 1	87	+ 2	·921	+·077	4·8	+1·2	5·27	4·50	+0·77
Bihar and Orissa	—·084	89·5	+0·9	74·9	+3·6	82·2	+2·3	14·6	26·5	+0·2	— 3	81	+ 3	·837	+·095	4·0	+1·3	3·56	2·77	+0·79
United Provinces of Agra and Oudh	—·093	92·2	+1·3	70·9	+4·2	81·5	+2·7	21·3	34·6	+0·2	+ 1	71	+ 2	·705	+·103	1·8	+0·6	2·02	1·40	+0·62
Punjab	—·079	94·6	+1·3	64·5	+2·1	79·5	+1·7	30·2	44·1	+0·1	+ 7	59	+ 3	·489	+·044	1·1	+0·5	0·58	0·21	+0·37
North-West Frontier Province	—·090	93·8	+2·8	59·7	+0·3	76·7	+1·5	34·1	50·9	—0·6	— 8	65	+ 6	·416	+·025	0·7	0	0·70	0·27	+0·43
Sind	—·073	96·6	+0·9	71·8	+2·9	84·1	+1·9	24·8	39·8	—0·7	— 1	62	0	·622	+·039	1·4	+0·6	0·38	0·01	+0·37
Rajputana	—·067	95·3	+0·4	73·5	+5·8	84·4	+3·1	21·8	37·1	0	—16	53	+ 5	·544	+·109	2·3	+1·3	1·46	0·32	+1·14
Bombay	—·058	89·1	—1·8	72·3	+1·9	80·7	+0·1	16·8	30·3	—0·2	+ 6	78	+ 9	·758	+·082	3·8	+1·1	3·67	2·43	+1·24
Central India	—·087	89·1	—0·3	69·8	+5·1	79·4	+2·4	19·3	34·3	+1·0	+ 9	75	+13	·687	+·149	3·3	+1·4	2·51	0·79	+1·72
Central Provinces	—·088	87·7	—1·0	70·6	+3·8	79·1	+1·4	17·2	32·4	+0·9	+ 9	77	+12	·709	+·142	4·0	+1·9	4·62	1·49	+3·13
Hyderabad	—·057	87·8	—1·4	70·8	+1·7	79·3	+0·2	17·0	30·3	+1·9	+25	77	+ 9	·711	+·072	4·4	+1·2	5·79	2·65	+3·14
Mysore	—·025	84·1	+0·9	66·2	+0·2	75·1	+0·5	17·9	27·2	+1·2	+41	81	0	·625	—·015	5·5	—0·9	4·09	5·42	—1·33
Madras	—·041	90·4	+1·5	75·7	+1·2	83·0	+1·4	14·7	24·4	+0·7	+13	78	— 2	·819	+·006	4·4	—0·8	5.02	6·32	—1·30

Table

(2) Abstract of observations taken at 8 hrs. at 216

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 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	147	29·754		29·832	29·812	20th	29·706	26th	·106	78·5	83·5		74·2		78·8		9·3	88·5	24th	72·2	12th & 29th.	16·3
	Mergui	66	29·825	−·050	29·821	29·889	20th	29·781	5th & 18th.	·108	76·9	82·6	−4·3	72·4	−0·3	77·5	−2·3	10·2	87·8	18th	69·9	9th	17·9
	Tavoy	19	29·869	−·057	29·820	29·919	2nd	29·819	18th	·130	78·0	85·6	−2·1	74·9	+1·2	80·2	−0·5	10·7	89·2	24th & 25th.	71·8	7th	17·4
	Moulmein	94	29·785	−·060	29·817	29·856	21st	29·698	8th	·158	78·3	87·3	−0·6	75·1	+0·2	81·2	−0·2	12·2	92·0	3rd	71·0	30th	21·0
	Rangoon	18	29·846	−·065	29·801	29·915	21st	29·753	8th	·162	79·7	87·7	+0·2	76·3	+0·5	82·0	+0·3	11·4	91·2	3rd	72·1	4th	19·1
	Bassein	27	29·825	−·076	29·788	29·907	21st	29·731	8th	·176	79·9	87·1	−0·2	76·6	+1·0	81·9	+0·4	10·5	91·1	6th	71·8	19th	19·3
	Diamond Island	41	29·798	−·081	29·774	29·882	21st	29·720	9th	·162	81·9	89·1	−0·1	78·2	+1·1	82·2	+0·5	7·9	88·0	20th	73·0	18th	15·0
	Toungoo	162	29·694	−·068	29·801	29·780	20th	29·593	8th	·187	79·9	89·3	−0·6	74·9	+0·3	82·1	−0·1	14·4	93·9	3rd	71·9	31st	22·0
	Kyaukpyu	18	29·819		29·777	29·913	21st	29·675	14th	·238	80·9	86·5		77·6		82·1		8·9	92·4	3rd	75·3	30th	17·1
	Akyab	20	29·817	−·079	29·778	29·926	21st	29·647	14th	·279	80·7	87·8	+0·3	76·8	+0·2	82·3	+0·3	11·0	90·9	1st & 10th.	73·5	27th	17·4
3	Minbu	*165*	29·668	−·091	29·776	29·758	1st	29·566	8th	·192	80·1	91·2	+0·7	76·0	+0·8	83·6	+0·7	15·2	99·1	29th	73·0	4th	26·1
	Yamethin	657	29·188	−·076	29·796	29·275	21st	29·089	8th	·186	79·2	92·0	+1·0	75·1	+1·1	83·6	+1·1	16·9	97·9	6th	72·0	31st	25·9
	Mandalay	250	29·654	−·066	29·801	29·694	1st	29·499	8th	·195	82·7	95·2	+3·4	76·5	+1·7	85·9	+2·5	18·7	99·3	7th	73·0	5th	26·3
	Monywa	*280*	29·560	−·080	29·789	29·643	1st	29·466	8th	·177	80·6	93·5	+3·2	77·8	+2·4	85·7	+2·8	15·7	99·0	7th	74·4	31st	24·6
	Lashio	*2,820*	27·083	−·082	27·029	27·181	2nd	26·988	8th	·196	71·5	83·7	+0·8	67·4	+3·6	75·5	+2·2	16·3	88·3	9th	61·4	3rd	26·9
	Bhamo	*361*	29·488	−·059	29·804	29·534	1st	29·371	8th	·223	77·8	90·8	+3·0	73·0	+3·2	81·9	+3·1	17·8	95·6	10th & 13th.	67·6	30th	28·0
	Myitkyina	458	29·368	−·072	29·788?	29·478	1st	29·247	8th	·23[illegible]	76·1	88·9	+2·7	74·0	+3·4	81·5	+3·1	14·9	93·4	14th	67·2	30th	26·2
	II.—Assam.																						
4	Dibrugarh	353	29·489	−·086	29·805	29·616	30th	29·315	15th	·301	77·3	87·8	+3·3	74·3	+4·8	81·1	+4·1	13·5	92·6	2nd & 15th.	69·3	30th & 31st.	23·3
	Sibsagar	333	29·529	−·086	29·821	29·650	30th	29·363	15th	·287	79·1*	87·3¶	+2·0¶	76·1*	+3·8*	81·7¶	+2·9	11·[illegible]	90·6	4th & 15th.	73·6	6th	17·0
	Tezpur	252	29·599	−·075	29·810	29·721	30th	29·425	15th	·296	78·0	88·9	+2·8	74·3	+3·2	81·6	+3·0	14·6	92·8	11th	67·8	31st	25·0
	Gauhati	196	29·663	−·074	29·818	29·778	30th	29·484	15th	·294	80·4	90·6	+3·3	74·3	+3·8	82·5	+3·5	16·3	93·[illegible]	12th	67·3	31st	26·6
	Dhubri	115	29·738	−·072	29·811	29·859	3rd	29·565	15th	·294	80·7	85·6	+1·7	76·7	+4·0	81·7	+2·9	9·9	90·3	12th	72·5	25th & 31st.	17·8
	Silchar	104	29·745	−·083	29·801	29·826	3rd & 27th.	29·548	15th	·278	80·7	91·1	+2·4	75·0	+2·7	83·1	+2·5	16·1	96·6	2nd	67·3	26th	28·8
	Srimangal	66	29·748†		29·764†	29·838	21st	29·571	15th	·267	78·0	91·6	+2·4	73·6	+3·0	82·6	+2·7	18·0	95·7	10th	64·9	27th	30·8
	III.—Bengal.																						
5	Cox's Bazar	36	29·794		29·775	29·893	21st	29·630	15th	·263	80·9	88·1		75·4		81·3		12·7	91·7	1st	69·9	27th	21·8
	Chittagong	87	29·746	−·080	29·778	29·850	21st	29·539	15th	·311	79·9	89·7	+2·1	75·7	+2·4	82·2	+2·3	13·0	92·7	3rd	69·2	27th	23·5
	Noakhali	43	29·791	−·073	29·784	29·887	21st	29·608	15th	·279	81·3	89·5	+2·3	77·2	+3·7	82·9	+3·0	11·3	92·6	2nd & 3rd.	70·8	28th	22·0
	Barisal	12	29·815	−·078	29·774	29·904	21st	29·645	15th	·259	81·9	88·0	+1·0	77·7	+3·1	83·1	+2·1	10·9	92·6	10th	70·8	28th	21·8
	Narayanganj	26	29·794	−·094	29·769	29·832	27th	29·622	15th	·260	82·3	89·5	+1·6	77·7	+2·4	83·6	+2·0	11·8	91·7	14th	72·0	28th	22·7
	Mymensingh	63	29·775	−·077	29·780	29·865	3rd	29·603	15th	·262	80·6	89·6	+2·9	77·6	+4·2	83·7	+3·5	11·8	93·1	13th	73·1	27th	20·0
	Bogra	75	29·757	−·083	29·783	29·849	28th	29·589	15th	·260	81·0	89·6‡	+2·4‡	76·1‡	+3·0‡	82·8‡	+3·0‡	13·5	92·8	11th	70·8	25th	22·0
	Dinajpur	123	29·710	−·079	29·788	29·831	27th	29·533	15th	·298	80·6	89·8	+2·3	76·0	+4·3	82·9	+3·3	13·8	94·3	13th	70·0	25th	24·3
	Jalpaiguri	283	29·534	−·071	29·806	29·669	30th	29·336	15th	·284	77·6	89·4§	+3·0§	74·1	+4·0	81·7§	+3·5	15·3	93·2	12th	67·4	27th & 30th.	25·8

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

§ Mean of 30 days.
* " 22 "
† " 23 "
‡ " 27 "
¶ " 21 "

B.

stations in India, etc., in October, 1915.

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, 1915.	Normal rainfall for period, 1st May to 31st October.	Departure from normal of period, 1st May to 31st October, 1915.	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.
13	0	0	0	8	4	4	2	0	S 4° E		4·8			40		90		·871		6·5		26			31·32			153·20			4·02	Victoria Point
29	0	0	1	0	1	0	0	0	S 45° E	N 5° E	0·5	1·1	−0·6	3	−15	97	+ 8	·892	+·024	6·5	+1·9	20	16·6	+ 3·4	22·00	12·35	+ 9·65	125·55	147·48	−21·93	4·09	Mergui.
11	1	2	3	5	8	0	0	1	S 41° E	N 9° E	1·8	0·8	+1·0	33	+30	92	+ 3	·876	+·009	5·4	+1·8	19	12·4	+ 6·6	20·90	10·33	+10·57	191·49	207·51	−16·02	3·15	Tavoy.
0	1	2	4	15	7	1	1	0	S 42° E	S 85° E	2·0	1·6	+0·4	69	+37	92	+ 4	·893	+·021	7·6	+2·6	16	11·3	+ 4·7	17·29	8·71	+ 8·58	161·98	181·83	−19·85	3·60	Moulmein.
2	5	6	2	4	5	2	2	3	N 58° E	S 53° E	3·2	2·1	+1·1	10	−12	90	0	·905	+·002	8·6	+2·8	14	9·9	+ 4·1	11·09	6·75	+ 4·34	101·44	92·78	+ 8·66	2·75	Rangoon.
13	0	0	4	2	3	1	0	3	S 41° E	N 80° E	2·7	2·4	+0·3	13	− 5	91	− 2	·935	+·014	6·4	+1·6	13	12·3	+ 0·7	13·63	8·00	+ 5·63	97·89	104·41	− 6·55	3·60	Bassein.
5	2	3	2	3	1	7	2	6	N 87° W	N 53° E	5·7	5·5	+0·2	16	−16	84	+ 1	·912	+·003	7·8	+2·3	10	10·9	− 0·9	9·85	8·11	+ 1·74	111·19	109·51	+ 1·68	4·20	Diamond Island.
10	6	6	1	2	4	2	0	0	N 57° E	N 84° E	1·5	1·3	+0·2	20	+ 2	89	0	·902	+·010	7·5	+1·9	11	10·2	+ 0·8	7·88	7·42	+ 0·46	75·15	77·60	− 2·45	1·55	Toungoo.
23	0	1	4	2	0	0	1	0	S 82° E		2·1			17		89		·939		7·0		15			11·55			184·87			1·03	Kyaukpyu.
3	6	10	4	5	1	0	0	2	N 52° E	N 50° E	2·3	1·8	+0·5	56	−19	91	0	·948	+·034	4·4	−0·8?	13	8·8	+ 4·2	16·00	9·89	+ 6·11	241·64	184·26	+57·38	3·51	Akyab.
0	0	0	0	31	0	0	0	0	S 45° E	S 10° W	2·9	4·7	−1·8	100	+89	83	− 1	·840	−·011	4·8	+0·1	9	6·3	+ 2·7	4·13	4·51	− 0·38	32·66	30·56	+ 2·10	1·18	Minbu.
14	1	1	1	6	7	1	0	0	S 27° E	S 15° E	1·3	2·5	−1·2	37	0	86	− 1	·855	+·002	3·3	−1·9	8	7·9	+ 0·1	4·62	5·88	− 1·26	33·51	34·17	− 0·66	2·35	Yamethin.
15	0	1	0	5	9	1	0	0	S 15° E	S	1·4	2·3	−0·9	43	+18	79	− 4	·866	+·011	2·4	−1·5	5	6·4	− 1·4	3·15	5·00	− 1·85	35·67	29·48	+ 6·19	2·30	Mandalay.
10	7	2	3	6	1	0	0	2	N 57° E		1·3			27		86	− 3	·888	−·002	6·5	+1·1	6	6·5	− 0·5	1·68	4·68	− 3·00	25·27	27·89	− 2·62	0·48	Monywa.
20	1	6	2	1	0	0	0	1	N 50° E		1·5			27		90	− 3	·694	+·037	6·0	−1·5	10	9·2	+ 0·8	3·99	5·43	− 1·44	54·53	55·58	− 1·05	0·97	Lashio.
27	2	2	0	0	0	0	0	0	N 23° E	N 4° W	0·9	1·4	−0·5	10	−12	89	0	·844	+·065	5·7	+1·0	5	6·2	− 1·2	2·63	3·94	− 1·31	53·32	66·04	−12·72	1·45	Bhamo.
31	0	0	0	0	0	0	0	0	Calm		1·1			(a)		89	0	·801	+·027	5·6	−0·6	9	8·4	+ 0·6	4·63	7·15	− 2·52	94·06	70·58	+23·48	0·92	Myitkyina.
																																II.—Assam.
19	3	2	6	0	0	1	0	0	N 61° E		0·3			27		89	0	·835	+·102	5·4	+0·6	7	7·6	− 0·6	7·08	4·26	+ 2·82	111·94	84·97	+26·97	1·63	Dibrugarh.
15	5	5	1	1	1	1	1	1	N 24° E	N 86° E	0·7	1·4	−0·7	27	+ 2	91*	− 5	·901*	+·108	8·3	+1·2	8	7·5	+ 0·5	3·16	4·97	− 1·81	89·20	76·39	+12·81	1·13	Sibsagar.
16	1	5	5	3	1	0	0	0	N 83° E		1·1			37		92	+ 3	·877	+·114	5·8	+1·4	6	5·8	+ 0·2	3·04	3·75	− 0·71	58·59	58·45	+ 0·14	1·37	Tezpur.
25	2	2	0	1	0	1	0	0	N 34° E		1·0			7		84	− 5	·870	+·078	5·3	−0·3	1	3·6	− 2·6	0·18	2·46	− 2·28	45·41	52·37	+13·04	0·10	Gauhati.
4	0	9	10	3	1	2	2	0	N 83° E	N 67° E	3·0	2·8	+0·2	49	+ 6	85	− 3	·893	+·096	4·5	+0·9	6	4·2	+ 1·8	5·31	3·59	+ 1·72	90·12	86·54	+ 3·58	1·50	Dhubri.
28	0	1	1	0	0	0	1	0	N 45° E	N 63° E	0·2	1·2	−1·0	3	− 1	86	− 3	·899	+·070	1·4	−4·0?	5	7·4	− 2·4	5·30	6·49	− 1·19	143·14	97·40	+45·74	2·62	Silchar.
																90	+ 4	·880	+·042	3·0		8	8·3	− 0·3	6·42	7·88	− 1·46	112·35	78·51	+33·84	1·75	Srimangal.
																																III.—Bengal.
11	4	2	3	6	3	1	0	1	S 76° E		1·9			23		89		·937		4·9		8			11·12			129·67			3·75	Cox's Bazar.
18	0	8	3	1	0	0	0	1	N 57° E	N 67° E	2·0	2·0	0	37	−10	90	+ 1	·919	+·057	5·2	+0·7	12	6·9	+ 5·1	15·76	6·22	+ 9·54	129·91	83·88	+43·05	8·19	Chittagong.
14	2	4	5	2	2	0	0	2	N 68° E		1·0			26		88	0	·931	+·056	4·2	+1·4	8	7·3	+ 0·7	13·97	7·96	+ 6·01	131·41	108·13	+23·28	5·62	Noakhali.
17	0	3	1	3	3	2	1	1	S 30° E	N 20° E	0·8	1·5	−0·7	17	+ 6	86	+ 2	·935	+·045	6·0	+2·7	12	6·3	+ 5·7	9·25	5·93	+ 3·32	69·16	70·29	− 1·13	3·31	Barisal.
10	1	2	3	5	2	3	2	3	S 29° E	N 50° E	1·0	2·0	−1·0	13	+ 2	83	− 2	·916	+·045	4·8	+0·5	7	5·5	+ 1·5	7·61	4·58	+ 3·03	82·69	60·14	+22·55	2·78	Narayanganj.
24	0	0	3	3	0	0	0	1	S 72° E	S 85° E	1·0	1·2	−0·2	13	−24	90	+ 3	·946	+·093	6·3	+1·9	3	5·5	− 2·5	1·33	5·20	− 3·87	100·37	82·97	+17·40	1·03	Mymensingh.
13	2	7	3	0	3	3	0	0	N 72° E	N 86° E	1·3	1·2	+0·1	23	+ 7	90†	+ 6	·936†	+·107	4·5	+2·1	3	4·9	− 1·9	1·47	4·22	− 2·75	74·42	62·61	+11·81	0·98	Bogra.
6	1	7	10	3	1	1	1	1	N 79° E	N 53° E	1·4	1·8	−0·4	49	+27	86	+ 1	·902	+·093	2·6	−0·5	7	3·8	+ 3·2	7·74	3·03	+ 4·66	68·56	64·85	+ 3·71	2·60	Dinajpur.
31	0	0	0	0	0	0	0	0	Calm	N 51° E	0·7			(a)		91	+ 4	·860	+·091	2·1	−0·7	6	4·4	+ 1·6	6·51	4·41	+ 2·10	97·21	116·56	−19·35	4·15	Jalpaiguri.

(a) Indeterminate.

* Mean of 22 days.
† " " 27 "

Table

(2) Abstract of observations taken at 8 hrs. at 216 stations

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 during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	III.—Bengal—*concld.*																						
	Saugor Island	10	29·808	—·084	29·763	29·913	28th	29·678	15th	·235	82·3	87·8	+0·7	77·9	+1·7	82·8	+1·2	9·9	90·0	14th	74·2	28th	15·8
	Midnapore	149	29·663	—·093	29·762	29·781	28th	29·531	15th	·250	80·8	89·6	+0·2	76·3	+3·1	83·0	+1·7	13·3	94·0	14th	69·7	26th	24·3
	Calcutta	21	29·792	—·097	29·760	29·905	28th	29·646	15th	·259	81·1	89·6	+2·4	77·6	+3·3	83·6	+2·9	12·0	93·9	14th	73·1	26th & 27th.	20·8
	Jessore	30	29·794	—·085	29·771	29·907	27th	29·610	16th	·297	82·6	89·8	+1·4	77·0	+2·7	83·4	+2·1	12·8	97·5	13th	69·7	28th	27·8
	Burdwan	99	29·718	—·097	29·765	29·837	28th	29·565	15th	·272	80·8	90·1	+1·1	76·8	+2·3	83·4	+1·7	13·3	95·2	14th	70·2	26th	25·0
	Berhampore	67	29·755	—·089	29·771	29·867	28th	29·580	15th	·287	80·6	89·0	+1·2	77·3	+3·0	83·1	+2·1	11·7	93·6	14th	71·7	25th	21·9
	IV.—Bihar and Orissa.																						
6	Balasore	50	29·770	—·085	29·766	29·892	28th	29·642	15th	·250	80·0	88·4	0	76·1	+2·9	82·2	+1·5	12·3	92·4	9th	67·8	27th	24·6
	Hukitala (False Point).	29	29·787	—·091	29·757	29·900	28th	29·691	15th	·209													
	Cuttack	80	29·748	—·079	29·769	29·873	28th	29·639	10th	·234	80·7	89·2	−0·9	77·1	+2·5	83·1	+0·8	12·1	93·4	14th	70·8	27th	22·6
	Puri	24	29·796	—·087	29·761	29·909	28th	29·681	10th	·228	82·1	89·5	+0·5	79·6	+2·8	84·6	+1·7	9·9	93·7	20th	74·3	30th	19·4
	Angul	455	29·365*	—·080*	29·767*	29·490	28th	29·270	8th & 10th	·220	79·7	88·1	—1·0	74·2	+3·3	81·1	+1·1	13·9	92·3	17th	66·0	28th & 29th	26·3
	Sambalpur	486	29·345	—·086	29·782	29·482	28th	29·237	5th	·245	79·3	88·5	—0·3	74·5	+2·9	81·5	+1·3	14·0	91·4	21st	64·5	29th	26·9
7	Chaibasa	733	29·069	—·096	29·757	29·195	28th	28·956	15th	·239	78·3	89·9	+1·5	73·5	+3·6	81·7	+2·5	16·4	93·2	14th & 23rd	64·7	26th & 27th	28·5
	Ranchi	2,128	27·718	—·060	29·770	27·831	28th	27·596	7th	·235	74·6	83·5	+0·2	69·6	+3·3	76·6	+1·7	13·9	87·4	14th	62·7	27th	24·7
	Purulia	816	29·017	—·067	29·785	29·139	28th	28·882	15th	·257	79·6	90·9	+1·9	73·5	+3·3	82·2	+2·6	17·4	97·0	8th	63·3	28th	33·7
	Daltonganj	730	29·099	—·079	29·789	29·259	28th	28·955	7th	·304	75·5	91·0	+1·6	70·2	+4·6	80·6	+3·1	20·8	94·5	13th	60·4	28th	34·1
8	Purnea	124	29·700	—·091	29·770	29·828	28th	29·534	15th	·294	80·5	89·3	+1·7	75·6	+4·5	82·5	+3·1	13·7	92·9	14th	67·8	25th	25·1
	Monghyr	155	29·656		29·764	29·786	28th	29·494	15th	·302	82·3	90·3		76·4		83·3		13·9	94·0	13th	69·3	25th	24·7
	Darbhanga	165	29·651	—·092	29·771	29·789	28th	29·508	15th	·281	82·0	89·2	+2·1	76·8	+4·1	83·0	+3·1	12·4	94·3	14th	70·1	30th	24·2
	Pusa	188	29·625		29·769	29·766	27th & 28th.	29·486	8th	·280	81·0	90·7		74·4		82·5		16·3	95·7	14th	67·3	31st	28·4
	Patna	183	29·616	—·107?	29·754	29·765	28th	29·480	15th	·285	82·2	89·0	+0·5	76·8	+4·3	82·9	+2·4	12·2	92·7	14th	69·9	25th	22·8
	Buxar	239	29·562	—·099	29·759	29·716	28th	29·383	7th	·333	79·1	91·7	+1·6	74·2	+3·6	82·9	+2·6	17·5	95·1	13th, 21st & 26th	66·5	25th	28·6
	Gaya	372	29·453	—·080	29·777	29·608	28th	29·307	7th	·301	81·9	92·4	+2·5	75·6	+4·3	84·0	+3·5	16·8	95·7	13th	68·0	27th	27·7
	Naya Dumka	489	29·321	—·093	29·763	29·452	28th	29·159	15th	·293	80·9	90·3	+2·3	75·1	+4·4	82·7	+3·3	15·2	94·1	14th	66·7	26th	27·4
	V.—United Provinces of Agra and Oudh.																						
9	Gorakhpur	257	29·546	—·095	29·762	29·711	28th	29·379	7th	·332	79·8	89·4	+0·7	73·5	+3·9	81·5	+2·3	15·9	93·6	14th	63·3	28th	30·3
	Benares	267	29·548	—·088	29·771	29·712	28th	29·318	7th	·394	80·1	90·9	+0·6	71·8	+4·1	81·4	+2·3	19·1	94·0	13th & 26th.	62·6	31st	31·4
	Allahabad	309	29·489	—·106?	29·756	29·666	28th	29·266	7th	·400	78·7	91·0	+0·2	71·0	+3·7	81·0	+1·9	20·0	94·2	13th	61·1	30th	33·1
	Cawnpore	416	29·395	—·087	29·772	29·571	28th	29·253	7th	·318	77·4	90·9	+0·4	71·1	+4·2	81·0	+2·3	19·8	94·6	14th	62·1	30th	32·5
	Lucknow	368	29·438	—·091	29·764	29·612	28th	29·292	7th	·320	80·1	92·6	+1·4	71·7	+6·1	82·1	+3·7	20·9	95·8	14th	62·4	29th	33·4
	Bahraich	407	29·391	—·093	29·760	29·561	28th	29·215	14th	·346	78·7	90·9	+0·3	72·0	+4·1	81·5	+2·2	18·9	95·7	14th	64·3	30th	31·4
10	Jhansi	824	28·996	—·102	29·778	29·155	28th	28·860	6th	·295	80·2	91·5	+1·4	72·1	+2·3	83·3	+1·9	22·4	98·0	15th	59·8	31st	38·2
	Agra	553	29·258	—·091	29·772	29·431	28th	29·121	7th	·310	82·8	97·0	+3·6	73·0	+5·0	85·0	+4·3	24·0	101·6	16th	63·9	31st	37·7
	Mainpuri	516	29·276	—·103	29·755	29·460	28th	29·139	7th	·321	77·3	96·1	+3·2	69·8	+4·9	82·9	+4·1	26·3	99·5	15th	59·4	31st	40·1
	Bareilly	568	29·223	—·087	29·760	29·410	28th	29·068	14th	·342	75·7	91·9	+2·4	69·2	+4·2	80·5	+3·3	22·7	95·5	14th	60·5	23rd	35·0
	Roorkee	899	28·908	—·082	29·785	29·077	28th	28·758	15th	·319	74·1	89·0	0	64·5	+3·5	76·7	+1·7	24·5	92·6	13th	55·4	25th	37·2

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

* Mean of 30 days.

B—*continued.*

in India, etc., in October, 1915 —*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, 1915.	Normal rainfall for period, 1st May to 31st October.	Departure from normal of period, 1st May to 31st October, 1915.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																III.—Bengal—*concld.*
0	10	1	3	3	5	2	2	5	N 11° W		6·0			20	− 2	86	+ 1	·952	+·061	5·9	+0·9	10	7·5	+2·5	6·30	7·01	−1·61	56·00	64·40	−8·40	2·21	Saugor Island.
5	4	6	1	3	4	3	1	4	N 18° E		1·7			10		85	+ 6	·895	+·112	4·3	+1·9	11	5·0	+6·0	4·60	3·29	+1·31	50·80	52·18	−1·38	0·70	Midnapore.
3	0	3	4	4	4	6	2	5	S 9° W	N 58° W	2·4	2·0	+0·4	17	− 2	89	+ 5	·934	+·079	6·1	+2·6	7	5·9	+1·1	3·90	3·91	−0·01	57·07	56·48	+0·59	0·99	Calcutta.
25	0	0	0	4	1	0	1	0	S 28° E	S 67° E	1·8	1·5	+0·3	17	− 5	83	− 2	·926	+·050	4·5	+1·0	1	5·7	−4·7	1·25	4·81	−3·56	53·84	57·35	−3·51	1·02	Jessore.
10	8	2	0	4	4	1	0	2	N 33° E	N 28° W	1·3	1·4	−0·1	13	− 1	86	+ 5	·909	+·100	4·8	+1·1	8	4·0	+4·0	5·18	2·91	+2·27	46·38	52·00	−5·62	1·77	Burdwan.
6	5	2	4	4	4	3	1	2	N 51° E	S 39° W	1·3	1·5	−0·2	17	+12	87	+ 2	·915	+·082	5·1	+1·5	5	4·5	+0·5	1·51	3·55	−2·04	54·99	50·74	+4·25	0·37	Berhampore.
																																IV.—Bihar and Orissa.
12	4	1	2	1	4	3	0	4	N 63° W	N 41° W	0·6	1·9	−1·3	3	−33	88	+ 5	·916	+·101	5·1	+2·1	9	5·6	+3·4	8·65	5·54	+3·11	49·41	54·50	−5·09	3·47	Balasore.
1	2	1	2	2	5	3	5	10	N 82° W		7·2			33	−14					4·9	+0·2	8	7·4	+0·6	8·97	8·27	+0·70	38·78	56·35	−17·57	2·89	Hukitala (False Point).
12	0	2	4	2	1	4	5	1	S 29° W	N 51° W	1·5	1·3	+0·2	13	− 5	82	+ 2	·862	+·066	4·7	+1·0	8	5·8	+2·2	8·60	4·99	+3·61	58·23	54·61	+1·62	3·38	Cuttack.
7	5	0	1	2	3	4	2	6	N 76° W		7·6			26		84	+ 3	·925	+·073	5·3	+2·1	8	7·2	+0·8	6·96	7·09	−0·13	34·09	47·81	−13·72	1·74	Puri.
2	1	2	3	4	0	0	3	16	N 83° W		3·5			42		81	+ 2	·828	+·088	4·8	+1·9	10	4·8	+5·2	9·62	3·38	+6·24	40·37	42·34	−1·97	3·69	Angul.
0	5	15	0	0	0	5	3	3	N 8° E	N 33° E	3·0	2·1	+0·9	46	−11	84	+ 7	·840	+·099	4·5	+1·6	5	3·3	+1·7	1·74	1·87	−0·13	33·93	62·53	−28·60	0·62	Sambalpur.
16	1	3	4	0	0	6	1	0	S 40° E	S 63° W	1·9	0·7	+1·2	3	−19	82	0	·794	+·078	4·9	+2·0	5	3·7	+1·3	1·34	2·32	−0·98	25·15	46·89	−21·84	0·40	Chaibassa.
1	3	3	4	2	2	1	7	8	N 42° W	N 89° W	3·5	3·3	+0·2	30	+ 9	77	+ 7	·662	+·061	4·7	+1·6	6	3·9	+2·1	1·86	2·46	−0·60	42·08	51·51	−9·43	0·63	Ranchi.
4	2	2	3	2	2	1	2	12	N 29° W		1·7			32		78	0	·787	+·088	4·4	+2·2	4	3·5	+0·5	2·05	2·62	−0·57	42·50	46·92	−4·42	1·11	Purulia.
14	0	3	7	2	2	2	1	0	S 69° E		3·3†			26		81	+ 1	·722	+·081	2·0	+0·1	4	2·9	+1·1	1·14	1·60	−0·46	31·05	38·47	−7·42	0·40	Daltonganj.
3	7	8	5	1	3	2	1	0	N 50° E	N 79° E	1·2	1·5	−0·3	33	+18	89	+ 1	·923	+·125	3·7	+1·4	3	3·1	−0·1	2·25	2·92	−0·67	60·58	58·92	+1·66	1·09	Purnea.
2	2	2	6	6	1	4	6	2	S 18° E		2·9			10		77		·855		3·8		4			1·02			46·81			0·48	Monghyr.
9	0	2	9	8	0	3	0	0	S 66° E	S 68° E	1·6	1·5	+0·1	49	+28	86	+ 3	·938	+·148	2·3	+0·5	1	3·0	−2·0	1·17	2·74	−1·57	64·57	47·99	+16·58	0·91	Darbhanga.
9	0	1	10	6	1	0	4	0	S 66° E		1·6			39		87		·916		2·6		2			0·93			49·94			0·49	Pusa.
15	1	0	10	0	2	1	2	0	S 77° E	S 8° W	2·1	1·6	+0·5	23	+ 1	80	+ 6	·883	+·142	4·2	+2·0	4	3·1	+0·9	1·93	2·76	−0·83	56·72	44·67	+12·05	0·77	Patna.
3	0	3	5	2	3	8	7	0	S 27° W		3·0			29		79	+ 7	·794	+·114	3·5	+1·3	3	2·6	+0·4	1·52	2·70	−1·18	34·62	38·64	−4·02	0·68	Buxar.
7	0	3	3	3	2	8	5	0	S 25° W	S 9° W	2·5	2·0	+0·5	27	− 5	69	− 4	·748	+·060	2·7	0	2	2·8	−0·8	0·41	2·01	−1·60	31·53	43·76	−12·23	0·19	Gaya.
30	0	0	1	0	0	0	0	0	E		0·6			3		80	+ 2	·843	+·098	3·9	+1·5	5	4·0	+1·0	2·49	3·21	−0·72	50·16	52·02	−1·86	1·28	Naya Dumka.
																																V.—United Provinces of Agra and Oudh.
6	0	6	17	0	0	0	1	1	N 76° E	N 27° W	1·9	0·9	+1·0	62	+40	83	+ 6	·852	+·134	1·5	−0·2	2	2·5	−0·5	9·37	3·91	+5·46	52·89	48·35	+4·54	5·92	Gorakhpur.
2	1	0	1	9	2	11	2	3	S 20° W	S 50° W	2·2	1·8	+0·4	46	+28	77	+ 3	·791	+·121	2·7	+0·8	5	2·4	+2·6	5·97	2·58	+3·39	47·47	37·43	+10·04	4·80	Benares.
9	0	2	5	0	0	3	11	1	W	N 86° W	2·3	2·3	0	24	− 1	75	+ 7	·744	+·119	3·3	+1·3	3	1·9	+1·1	4·62	2·52	+2·10	44·00	36·88	+7·12	2·84	Allahabad.
10	1	2	4	2	1	4	5	2	S 59° W	S 76° W	1·6	1·5	+0·1	7	−22	73	− 2	·698	+·130	0·7	−0·3	2	1·4	+0·6	1·86	1·35	+0·51	57·26	33·84	+23·42	0·94	Cawnpore.
24	0	2	3	0	0	0	2	0	N 59° E	N 58° W	1·4	1·3	+0·1	7	− 2	70	0	·724	+·102	1·9	+0·6	2	1·6	+0·4	1·89	1·20	+0·69	69·05	35·61	+33·44	1·77	Lucknow.
20	1	1	4	4	0	1	0	0	S 75° E	N 77° E	0·6	1·2	−0·6	23	+13	76	0	·754	+·063	1·4	+0·4	1	1·5	−0·5	0·14	1·69	−1·55	64·32	41·67	+22·65	0·11	Bahraich.
1	1	2	6	0	1	7	11	2	S 78° W	S 70° W	3·2	1·8	+1·4	33	−10	61	+ 5	·638	+·103	2·2	+1·3	2	0·9	+1·1	2·35	0·72	+1·63	21·93	35·62	−13·69	1·35	Jhansi.
13	1	2	4	1	1	7	2	0	S 11° W	N 68° W	2·2	2·2	−0·1	13	−27	50	− 7	·563	+·065	1·3	+0·5	3	0·7	+2·3	1·38	0·83	+0·55	16·23	25·50	−9·27	0·54	Agra.
8	2	2	3	3	0	2	7	4	N 59° W	N 83° W	1·3	0·7	+0·6	20	+ 4	66	+ 1	·636	+·093	1·0	−0·1	2	0·8	+1·2	0·49	1·52	−1·03	21·81	24·89	−3·08	0·22	Mainpuri.
29	0	0	0	1	0	0	1	0	S 23° W	N 15° W	0·2	0·9	−0·7	2	− 4	78	+ 2	·703	+·094	2·2	+1·4	0	0·8	−0·8	0·09	1·38	−1·29	51·63	41·62	+10·01	0·09	Bareilly.
26	0	0	0	2	0	0	0	2	S 45° E	S 58° E	0·7	0·9	−0·2	3	− 3	77	+ 2	·656	+·129?	1·2	+0·6	0	0·7	−0·7	0·04	0·57	−0·53	30·73	37·18	−6·45	0·04	Roorkee.

† Mean of 29 days.

Table

(2) Abstract of observations taken at 8 hrs. at 216 stations

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 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
	VI.—Punjab.																						
	Delhi	718	29·095	−·079	29·782	29·253	28th	28·961	7th	·292	77·8	94·4	+2·6	72·3	+4·1	83·4	+3·3	22·1	98·4	16th	64·8	27th	33·6
	Hissar	725	29·087	−·077	29·786	29·245	28th	28·939	7th	·306	75·3	97·0	+1·0	67·5	+4·3	82·3	+2·7	29·5	101·6	16th	57·4	27th	44·2
	Patiala	*818*	28·980	−·092	29·780	29·120	28th	28·835	7th	·285	72·1	91·8	+0·3	65·4	+2·9	78·6	+1·6	26·4	95·8	16th	55·4	31st	40·4
	Ambala	892	28·903	−·088	29·783	29·068	28th	28·764	15th	·304	71·5	92·9	+0·7	64·0	+3·2	78·4	+1·9	28·9	96·3	16th	54·1	30th & 31st.	42·2
	Ludhiana	812	29·001	−·072	29·798	29·156	28th	28·854	15th	·302	71·8	92·0	+0·2	65·8	+2·3	78·9	+1·3	26·2	96·5	16th	57·2	31st	39·3
	Lahore	702	29·105	−·072	29·793	29·256	28th	28·953	15th	·203	71·0	93·8	−1·1	62·5	+2·2	78·2	+0·5	31·3	99·2	16th	52·6	31st	46·6
	Sialkot	830	28·974	−·080	29·795	29·118	28th	28·826	15th	·292	70·5	92·2	−0·3	61·0	−1·5	76·6	−0·9	31·2	97·3	16th	53·7	31st	43·6
	Rawalpindi	1,674	28·152	−·078	29·826	28·279	28th	28·014	15th	·265	67·0	92·0	+3·4	56·6	+0·1	74·3	+1·7	35·4	97·0	17th	48·0	30th	49·0
12	Khushab	612	29·203	−·076	29·795	29·352	28th	29·045	15th	·307	75·9	97·0	+2·9	62·7	−0·8	79·8	+1·1	34·3	102·6	15th	54·4	31st	48·2
	Lyallpur	605	29·195		29·781	29·357	28th	29·044	15th	·313	72·3	96·3		61·6		78·9		34·7	101·5	15th	51·5	31st	50·0
	Montgomery	558	29·248	−·079	29·782	29·401	28th	29·104	15th	·297	76·2	97·1	+0·8	66·0	+3·0	81·6	+1·9	31·1	103·0	16th	55·8	31st	47·2
	Multan	426	29·382	−·072	29·778	29·548	28th	29·226	15th	·322	76·9	99·2	+3·3	68·1	+3·0	83·6	+3·1	31·1	104·4	15th	59·5	31st	44·9
	VII.—North-West Frontier Province.																						
14	Peshawar	1,113	28·722	−·085	29·843	28·884	2nd	28·594	6th	·290	65·3	92·4	+4·2	57·9	0	75·1	+2·1	34·5	97·8	15th	46·9	31st	50·9
	D. I. Khan	590	29·215	−·095	29·791	29·366	28th	29·052	15th	·314	70·6	95·2	+1·4	61·6	+0·5	78·4	+0·9	33·6	101·7	15th	50·9	31st	50·8
	VIII.—Sind.																						
16	Jacobabad	186	29·652	−·057	29·799	29·812	30th	29·522	15th	·290	77·4	100·2	+1·0	65·9	+2·7	83·0	+1·9	34·3	108·1	10th	56·8	31st	51·3
	Hyderabad	96	29·729	−·080	29·778	29·901	29th	29·624	15th	·277	80·0	98·6	+0·7	73·3	+3·2	85·9	+1·9	25·3	103·7	14th	66·6	29th	37·1
	Karachi	13	29·837	−·081	29·801	30·000	29th	29·727	6th	·273	81·0	90·9	+4·3P	76·1	+3·1	83·5	+3·7P	14·8	100·9	13th	70·0	30th	30·9
	IX.—Rajputana.																						
17	Bikaner	*771*	29·053	−·072	29·787	29·199	28th	28·937	7th	·262	81·6	97·5	+1·4	74·4	+3·0	85·9	+2·2	23·1	103·5	1st	65·9	31st	37·6
	Jodhpur	780	29·057	−·084	29·796	29·201	28th	28·926	7th	·275	80·9	96·4	−0·5	74·4	+6·9	85·4	+3·2	22·0	101·6	1st & 14th.	62·4	31st	39·2
18	Jaipur	1,431	28·394	−·104	29·774	28·543	29th	28·270	7th	·273	80·0	95·4	+0·8	70·9	+6·1	83·1	+3·5	24·5	100·7	14th	60·1	29th	40·6
	Ajmer	1,611	28·241	−·083	29·824	28·371	29th	28·127	7th	·244	75·2	92·0	+0·1	71·8	+7·6	81·9	+3·9	20·2	95·4	23rd	58·4	31st	37·0
	Kotah	832	28·996	−·090	29·780	29·141	28th	28·877	7th	·264	83·9	95·1	+0·1	75·9	+5·6	85·5	+2·9	19·2	99·0	1st	67·8	31st	31·2
	X.—Bombay.																						
19	Deesa	466	29·396	−·071	29·818	29·521	28th & 30th.	29·259	7th	·262	80·7	96·4	−1·1	72·6	+5·6	84·5	+2·3	23·8	103·9	1st	61·1	31st	42·8
	Bhuj	334	29·513	−·084	29·799	29·665	30th	29·376	6th	·289	80·9	94·4	−1·7	73·7	+2·8	84·1	+0·5	20·7	98·8	23rd	66·8	31st	32·0
	Jamnagar	61	29·793	−·092	29·799	29·925	30th	29·661	7th	·264	82·7	93·9	−0·8	72·6	+1·8P	82·8	+0·5P	20·4	99·1	1st	66·7	31st	32·4
	Dwarka	37	29·827	−·083	29·810	29·964	30th	29·691	6th	·273	82·0	87·8	+1·2	78·7	+3·3	83·3	+2·3	9·1	95·4	31st	71·5	27th	23·9
	Rajkot	429	29·422	−·086	29·801	29·548	30th	29·290	7th	·258	79·9	94·6	−1·0	71·4	+3·2	83·0	+1·1	23·2	100·1	25th	63·5	31st	36·6
	Veraval	*18*	29·843	−·075	29·804	29·959	30th	29·675	6th	·284	79·9	85·6	−3·3	76·2	+3·8	80·9	+0·3	9·4	92·0	24th	70·0	31st	22·0
	Bhavnagar Para	55	29·811	−·069	29·812	29·935	30th	29·643	7th	·292	81·0	93·6	−2·9	73·9	+3·9	83·7	+0·5	19·7	100·2	24th25th &26th.	67·6	31st	32·6
	Surat	39	29·835	−·065	29·817	29·959	30th	29·665	7th	·294	78·8	89·9	−3·8	73·6	+2·4	81·7	−0·7	16·3	98·7	24th	65·5	31st	33·2
	Ahmadabad	163	29·710	−·064	29·822	29·831	30th	29·569	7th	·262	81·9	95·7	−1·5	74·8	+2·4	85·3	+0·5	20·9	102·5	24th	67·6	31st	34·9
25	Bombay	37	29·853	−·046	29·830	29·946	30th	29·726	7th	·220	79·7	86·7	−1·1	77·7	+1·0	82·2	−0·1	9·0	91·1	31st	74·6	10th	16·5
	Ratnagiri	207	29·679	−·035	29·827	29·739	30th	29·616	4th & 7th.	·123	80·1	85·9	−2·3	75·1	+1·1	80·5	−0·6	10·8	95·5	29th	69·7	31st	25·8
	Marmagao	*60*	29·836	−·037	29·830	29·897	30th	29·730	11th	·117	78·4	84·9	−0·8	75·1	−0·5	80·0	−0·7	9·8	87·3	30th	70·2	15th	17·1
	Karwar	44	29·877	−·009	29·855	29·935	14th	29·832	5th & 10th.	·103	76·8	84·9	−0·5	74·1	+0·5	79·5	0	10·8	88·6	26th	68·9	15th & 16th.	19·7

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

B—*continued.*

in India, etc., in October, 1915—*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, 1915.	Normal rainfall for period, 1st May to 31st October.	Departure from normal of period, 1st May to 31st October, 1915.	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
																																VI.—Punjab.
8	1	2	1	2	0	2	10	5	N 75° W	N 83° W	2·2	1·7	+0·5	37	+ 5	47	− 5	·458	+·014	0·9	+0·2	0	0·3	−0·3	0	0·29	−0·29	13·08	24·36	−11·28	0	Delhi.
11	2	0	2	1	3	5	5	2	S 62° W		2·9			27	+ 5	54	+ 2	·490	+·059	1·8	+1·3	1	0·4	+0·6	0·28	0·11	+0·17	6·66	11·87	−5·21	0·25	Hissar.
10	3	0	2	1	0	0	4	6	N 24° W		3·5			39		68	+ 4	·545	+·031	1·2	+0·7	0	0·6	−0·6	0	0·29	−0·29	16·14	20·77	−4·63	0	Patiala.
15	3	0	3	3	0	0	1	6	N 1° W	N 10° W	2·4	0·8	+1·6	16	+12	70	+ 1	·551	+·041	1·7	+1·2	0	0·4	−0·4	0·06	0·23	−0·17	22·88	24·28	−1·40	0·06	Ambala.
29	1	1	0	0	0	0	0	0	N 24° E	S 55° E	0·6	0·8	−0·2	7	− 4	65	+ 4	·514	+·047	0·8	0	1	0·4	+0·6	0·51	0·28	+0·23	12·33	23·32	−10·99	0·51	Ludhiana.
29	0	0	0	0	0	0	0	2	N 45° W	S 83° E	0·6	1·2	−0·6	3	− 9	69	+ 8	·533	+·065	1·3	+0·8	2	0·4	+1·6	1·30	0·16	+1·14	6·57	15·93	−9·36	1·07	Lahore.
7	6	10	7	1	0	0	0	0	N 50° E	N 54° E	1·4	1·0	+0·4	62	+30	71	+11	·530	+·081	0·9	+0·1	2	0·6	+1·4	1·38	0·19	+1·19	9·43	24·71	−15·28	1·17	Sialkot.
12	2	3	1	0	0	0	7	6	N 44° W	N 5° W	1·8	1·0	+0·8	37	+23	58	0	·389	0	0·8	−0·2	1	1·1	−0·1	0·33	0·39	−0·06	14·58	24·22	−9·64	0·33	Rawalpindi.
9	1	10	10	1	0	0	0	9	N 68° E	N 48° E	2·6	2·8	−0·2	62	+19	39	− 7	·353	−·031	0·8	+0·4	1	0·2	+0·8	0·7	0·03	+0·14	3·18	10·38	−7·20	0·11	Khushab.
14	0	7	1	5	1	3	0	0	S 77° E		1·4			23		60		·479		1·0		0	0·2	−0·2	0	0·07	−0·07	1·95	10·18	−8·23	0	Lyallpur.
7	0	2	3	5	8	4	2	0	S 13° E	S 41° E	2·2	3·0	−0·8	43	+ 7	49	+ 6	·449	+·061	1·2	+0·7	2	0	+2·0	0·25	0·02	+0·23	5·30	8·22	−2·92	0·15	Montgomery.
23	4	0	0	2	2	0	0	0	N 65° E	S 40° E	0·6	1·1	−0·5	3	−18	61	+ 5	·570	+·105	0·8	+0·5	0	0·1	−0·1	0	0·01	−0·01	0·65	5·03	−4·38	0	Multan.
																																VII.—North-West Frontier Province.
29	1	0	0	0	0	0	1	0	N 45° W	S 40° W	0·3	1·7	−1·4	3	−11	72	+13	·451	+·046	0·7	−0·4	1	0·4	+0·6	0·25	0·12	+0·13	2·24	5·62	−3·38	0·22	Peshawar.
22	3	1	1	0	0	0	1	3	N 14° W	N 34° E	1·0	0·8	+0·2	20	− 5	53	− 1	·441	+·003	0·8	+0·4	2	0·1	+1·9	0·46	0·04	+0·42	2·57	6·09	−3·52	0·24	D. I. Khan.
																																VIII.—Sind.
24	2	0	1	0	1	0	0	3	N 19° W	N 41° E	1·1	1·5	−0·4	10	− 1	60	+ 4	·574	+·093	0·8	+0·4	1	0	+1·0	0·63	0	+0·63	0·69	2·40	−1·71	0·63	Jacobabad.
0	10	1	0	0	9	9	1	1	S 61° W	S 56° W	4·7	6·3	−1·6	27	− 2	57	+ 1	·578	+·044	1·2	+0·7	0	0	0	0·04	0	+0·04	0·83	6·24	−5·41	0·04	Hyderabad.
7	6	5	2	0	1	2	7	1	N 26° W	N 50° W	6·7	6·9	−0·2	30	+ 1	68	− 5	·715	−·021	2·2	+0·6	1	0	+1·0	0·13	0	+0·13	0·28	6·19	−5·81	0·13	Karachi.
																																IX.—Rajputana.
7	1	3	3	2	1	5	8	1	S 76° W	S 48° W	3·2	3·6	−0·4	23	−24	45	− 3?	·486	+·026?	1·7	+1·0	1	0·3	+0·7	1·26	0·08	+1·18	3·91	10·28	−6·37	1·09	Bikaner.
9	0	4	3	0	3	9	2	1	S 29° W		2·6			23		49	+ 6	·513	+·111	2·3	+1·2	3	0·2	+2·8	2·45	0·11	+2·34	4·66	12·51	−7·85	1·25	Jodhpur.
11	3	4	2	1	0	0	3	7	N 13° W	N 42° W	2·9	2·3	+0·6	33	−14	51	+ 2	·523	+·072	2·4	+1·2	0	0·5	−0·5	0·05	0·26	−0·21	10·71	22·44	−11·73	0·05	Jaipur.
23	0	1	0	0	0	1	5	1	N 83° W	S 82° W	1·8	2·0	−0·2	20	− 9	62	+ 2	·552	+·072	2·9	+1·8	3	0·5	+2·5	2·35	0·22	+2·13	11·09	19·60	−8·51	1·32	Ajmer.
8	2	1	1	3	0	5	5	6	N 82° W		2·5			30		56	+ 9	·645	+·182	2·4	+1·4	5	0·4	+4·6	2·51	0·31	+2·20	17·41	26·83	−9·42	0·86	Kotah.
																																X.—Bombay.
3	1	6	3	6	3	8	1	0	S 33° E	S 77° E	4·9	4·8	+0·1	33	− 3	58	+17	·717	+·212	2·5	+1·4	5	0·3	+4·7	2·02	0·21	+1·81	6·96	23·56	−16·60	0·74	Deesa.
6	5	0	1	0	0	3	14	2	N 76° W	N 62° W	4·9	5·0	−0·1	56	+ 7	64	+ 2	·669	+·038	2·7	+1·3	3	0·4	+2·6	0·98	0·24	+0·74	4·67	13·61	−8·94	0·44	Bhuj.
3	2	4	1	3	1	12	4	1	S 50° W		7·3			30		85	+19	·943	+·244	2·6	+1·5	1	0	+1·0	1·55	0·01	+1·54	9·82	18·86	−9·04	1·47	Jamnagar.
2	4	1	0	3	3	6	6	6	S 88° W		8·2			37		77	− 1	·832	+·015	3·8	+1·8	1	0·1	+0·9	0·42	0·04	+0·38	7·99	13·70	−5·71	0·36	Dwarka.
0	2	1	2	3	0	11	8	4	S 72° W	N 5° W	5·1	4·2	+0·9	43	+10	69	+ 3	·700	+·052?	3·4	+1·9	3	1·0	+2·0	0·76	0·39	+0·37	11·34	26·01	−14·67	0·32	Rajkot.
3	5	2	0	2	3	4	6	6	N 71° W	N 2° E	7·0	4·5	+2·5	33	−32	80	+12	·821	+·139	3·5	+1·5	3	0·5	+2·5	0·78	0·37	+0·41	10·57	17·48	−6·91	0·42	Veraval.
8	2	0	1	1	1	2	9	7	N 74° W	N 73° W	2·2	5·0	−2·8	46	+ 1	78	+17	·823	+·261?	4·3	+2·4	2	0·4	+1·6	1·40	0·24	+1·16	10·95	19·97	−9·02	1·03	Bhavnagar Para.
14	2	1	2	7	3	1	0	1	S 50° E	N 53° E	2·0	3·2	−1·2	27	+ 9	85	+15	·841	+·131	4·8	+3·1	6	1·9	+4·1	4·18	1·43	+2·75	27·44	40·73	−13·29	1·20	Surat.
6	0	2	1	1	2	6	2	11	N 79° W	N 8° E	4·0	2·4	+1·6	37	+ 4	66	+10	·719	+·150	3·0	+1·5	4	0·5	+3·5	1·89	0·35	+1·54	11·75	29·20	−17·45	0·94	Ahmadabad.
0	3	4	8	9	2	3	2	0	S 71° E	N 81° E	5·7	6·6	−0·9	46	−22	85	+ 3	·864	+·023	4·8	+1·2	5	2·5	+2·5	2·55	1·84	+0·71	76·54	71·23	+5·31	0·75	Bombay.
1	6	4	3	7	4	3	1	2	S 82° E	S 68° E	6·1	4·5	+1·6	20	−20	78	0	·791	−·009	4·6	+1·0	9	4·7	+4·3	3·27	3·71	−0·44	100·44	100·38	+0·06	1·09	Ratnagiri.
13	1	1	6	1	1	4	1	3	S 63° E	S 67° E	3·7	4·5	−0·8	3	−26	91	+ 1	·884	−·003	5·4	+0·8	7	6·0	+1·0	3·71	3·91	−0·20	85·56	91·73	−6·23	2·01	Marmagao.
27	0	0	0	0	1	3	0	0	S 34° W	N 48° E	1·2	1·8	−0·6	13	−34	91	+ 2	·845	+·027	4·3	+0·2	9	7·1	+1·9	5·25	5·64	−0·39	99·40	119·95	−20·55	1·90	Karwar.

Table

(2) Abstract of observations taken at 8 hrs. at 216 stations

Number of sub-division.	Station.	Elevation of bar cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	X.—Bombay—*concld.*																						
26	Malegaon	1,430	28·450	—·060	29·832	28·566	30th	28·327	7th	·239	75·8	90·4	—0·9	67·8	+2·1	79·1	+0·6	22·6	95·0	25th	57·1	30th	37·9
	Ahmadnagar	2,154	27·749	—·056	29·823	27·841	30th	27·655	3rd	·186	74·6	85·5	—3·2	66·1	+1·0	75·8	—1·1	19·4	90·9	25th	55·3	31st	35·6
	Poona	1,846	28·161	—·036	29·850	28·153	30th	27·953	7th	·200	74·0	86·3	—2·7	66·9	+0·5	76·6	—1·1	19·4	93·2	25th	56·9	31st	36·3
	Sholapur	1,590	28·283	—·056	29·810	28·369	30th	28·192	3rd	·177	75·9	88·6	—1·8	69·3	+0·9	79·0	—0·5	19·3	96·6	25th	61·6	31st	35·0
	Bijapur	*1,948*	27·933	—·050	29·811	28·018	31st	27·857	11th	·161	74·0	86·6	—2·3	68·4	·0	77·5	—1·1	18·2	91·2	24th	60·2	31st	31·0
	Belgaum	2,562	27·371	—·023	29·846	27·445	30th	27·311	11th	·134	71·2	81·2	—2·0	64·8	—0·3	73·0	—1·1	16·4	87·5	24th	57·8	15th	29·7
	XI.—Central India.																						
20	Neemuch	1,626	28·240	—·076	29·802	28·364	30th	28·114	7th	·250	77·8	90·9	—0·2	70·3	+5·9	80·6	+2·9	20·6	95·9	1st	61·9	31st	34·0
	Indore	1,823	28·040	—·080	29·803	28·160	30th	27·904	4th	·256	76·0	88·4	—0·1	68·6	+5·3	78·5	+2·6	19·8	93·1	25th	56·9	31st	36·2
21	Nowgong	754	29·061	—·095	29·779	29·220	28th	28·907	6th	·313	75·6	89·7	—0·3	69·7	+4·6	79·7	+2·1	20·0	94·0	25th	55·0	31st	36·0
	Sutna	1,041	28·765	—·095	29·767	28·925	28th	28·541	6th	·382	76·2	87·3	—0·7	70·5	+4·8	78·9	+2·1	16·8	89·8	4 days	59·0	31st	30·8
	XII.—Central Provinces.																						
22	Buldana	2,134									75·0	83·7	—2·2	69·3	+1·3	76·5	—0·5	14·4	88·6	25th	63·1	31st	25·5
	Akola	925	28·924	—·082	29·801	29·055	28th	28·778	4th	·277	77·5	90·5	—1·4	70·2	+4·2	80·3	+1·4	20·3	95·0	24th	55·8	30th	39·2
	Amraoti	1,215	28·629	—·084	29·794	28·758	28th	28·463	4th	·285	77·6	88·7	—2·1	71·9	+3·7	80·3	+0·8	16·8	93·2	25th	60·1	31st	33·1
23	Khandwa	1,014	28·810	—·076	29·814	28·940	30th	28·665	4th	·275	75·3	90·4	—1·5	70·8	+4·8	80·6	+1·7	19·6	96·0	25th	56·9	31st	39·1
	Hoshangabad	1,006	28·844	—·083	29·808	28·985	28th	28·676	4th	·309	75·6	88·5	—1·1	70·5	+4·3	79·5	+1·6	18·0	91·3	24th	57·6	31st	33·7
	Saugor	1,807	28·027	—·096	29·771	28·185	28th	27·851	5th	·324	76·8	88·7	+0·8	69·5	+5·4	79·1	+2·1	19·2	92·2	23rd & 28th.	60·2	29th	32·0
	Jubbulpore	1,327	28·490	—·099	29·772	28·654	28th	28·286	5th	·368	75·5	87·6	+0·1	70·5	+6·6?	79·1	+3·5?	17·1	91·1	24th	56·5	31st	34·6
	Seoni	2,033	27·817	—·082	29·761	27·972	28th	27·570	4th	·402	75·5	84·7	—2·0	67·5	+3·6	76·1	+0·8	17·2	88·8	24th	55·5	31st	33·3
	Nagpur	1,017	28·815	—·087	29·782	28·964	28th	28·624	4th	·340	77·6	89·8	—0·6	72·2	+4·1	81·0	+1·7	17·6	93·8	26th	60·8	31st	33·0
24	Pendra	2,640	27·796	—·074	29·767	27·942	28th	27·581	5th	·361	75·3	84·5	—0·1	68·3	+3·7	76·4	+1·8	16·2	87·7	14th	60·2	31st	27·5
	Raipur	970	28·843	—·100	29·763	28·978	28th	28·682	5th	·296	75·0	88·4	+0·2	73·5	+4·0	80·9	+2·1	14·9	92·3	25th	65·6	29th & 31st.	26·7
	Chanda	*634*	29·192	—·101	29·773	29·301	30th	29·030	4th	·301	79·0	89·5	—0·5	72·8	+4·8	81·1	+2·1	16·7	93·1	9th	58·2	3.st	34·9
	Jagdalpur	1,813	28·023		29·763	28·136	28th	27·874	3rd	·262	76·5	85·5		70·2		77·9		15·3	89·2	5 days	60·1	30th	29·1
	XIII.—Hyderabad.																						
27	Aurangabad	1,905	27·885	—·064	29·817	28·093	30th	27·877	3rd	·216	76·2	86·9	—3·2	67·9	+1·8	77·4	—0·7	19·0	92·1	24th	56·6	30th	35·5
	Nizamabad	1,218	28·603	—·062	29·795	28·708	30th	28·455	3rd	·253	77·6	88·2	—0·6	71·3	+3·2	79·7	+1·3	16·9	94·1	26th	59·3	31st	34·8
	Bidar	*2,165*									77·3	85·9	—0·1	69·5	+1·3	77·7	+0·5	16·4	91·5	25th & 26th.	63·4	31st	28·1
28	Gulbarga	1,503	28·363	—·062	29·808	28·474	30th	28·261	3rd	·213	75·5	88·6	—2·0	69·1	+0·1	78·8	—0·9	19·5	94·0	24th	60·8	31st	33·2
	Raichur	*1,311*	28·571	—·027	29·823	28·646	30th	28·485	2nd	·161	77·1	89·8	—0·2	71·4	—0·8	80·6	—0·5	18·4	94·2	24th	67·7	31st	26·5
	Hyderabad (Deccan)	1,738	28·121	—·063	29·789	28·211	28th	28·002	3rd	·209	76·3	86·6	—1·8	71·6	+2·5	79·1	+0·3	15·0	91·6	26th	62·7	31st	28·9
	Hanamkonda	877	28·968	—·067	29·787	29·078	30th	28·834	3rd	·244	80·2	88·4	—1·4	74·8	+3·7	81·6	+1·1	13·6	91·0	6 days	66·2	30th	24·8
	XIV.—Mysore.																						
29	Chitaldrug	2,405	27·516	—·021	29·827	27·566	30th	27·445	10th	·121	73·0	85·1	+0·2	68·0	+0·1	76·5	+0·1	17·1	90·7	25th	64·0	16th	26·7
	Hassan	3,149	26·810	—·024	29·628	26·857	30th	26·739	10th	·118	69·9	81·6	—0·1	64·3	+0·2	72·9	+0·1	17·3	85·5	26th	57·7	12th	27·8
	Bangalore	3,021	26·932	—·027	29·827	26·976	30th	26·854	10th	·122	71·4	84·4	+2·5	65·9	+0·8	75·1	+1·7	18·5	88·4	18th	62·8	12th	25·6
	Mysore	2,518	27·414	—·028	29·833	27·461	30th	27·345	10th	·116	72·3	85·3	+0·9	66·6	—0·3	75·9	+0·3	18·7	88·3	18th	59·5	12th	28·8

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

B—*continued.*

in India, etc., in October, 1915—*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, 1915.	Normal rainfall for period, 1st May to 31st October.	Departure from normal of period, 1st May to 31st October, 1915.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																X.—Bombay—*concld.*
14	0	0	0	1	1	8	6	0	S 55° W	N 61° W	3·5	2·2	−0·7	46	+ 7	74	+14	·664	+·113	3·8	+1·1	5	2·6	+2·4	2·68	1·95	+0·73	21·65	21·71	−0·06	0·90	Malegaon.
3	4	1	1	1	2	1	7	11	N 55° W	N 36° E	3·9	5·8	−1·9	53	+21	74	+12	·633	+·076	3·2	+0·6	5	3·0	+2·0	4·14	1·89	+2·25	33·89	20·50	+13·39	2·08	Ahmadnagar.
0	0	0	0	0	0	25	3	3	S 56° W	S 69° E	5·9	4·6	+1·3	92	+35	82	+11	·638	+·087	3·1	−0·6	4	5·1	−1·1	1·23	3·88	−2·65	34·90	25·47	+9·43	0·35	Poona.
4	1	3	1	0	0	4	4	13	N 53° W	N 68° E	5·6	6·0	−0·4	56	+33	75	+14	·670	+·105	4·6	+0·4	5	4·5	+0·5	2·69	3·41	−0·72	25·91	27·28	−1·37	1·06	Sholapur.
5	4	2	1	0	1	4	8	6	N 65° W	N 77° W	2·6	2·9	−0·3	46	+38	76	+ 6	·639	+·010	3·4	−0·1	7	4·5	+2·5	3·84	3·04	+0·80	24·55	18·56	+5·99	1·04	Bijapur.
15	0	0	2	0	0	0	14	0	W	N 53° E	5·9	7·0	−1·1	39	+21	87	+ 9	·660	+·039	4·8	+0·3	8	7·8	+0·2	2·80	5·03	−2·23	47·95	45·65	+2·30	0·82	Belgaum.
																																XI.—Central India.
4	8	1	3	0	1	0	14	0	N 53° W	N 2° E	7·3	4·4	+2·9	43	+25	65	+14	·615	+·152	3·3	+2·0	5	0·7	+4·3	2·36	0·32	+2·04	15·81	27·65	−11·84	0·73	Neemuch.
8	2	4	1	0	0	0	7	9	N 40° W	N 18° E	2·9	1·6	+1·3	46	+21	75	+13	·667	+·125	4·0	+2·3	7	1·9	+5·1	2·96	1·98	+1·88	27·20	31·75	−4·55	0·57	Indore.
5	4	4	1	5	7	3	2	0	S 29° E	S 67° W	1·2	1·1	+0·1	23	− 2	80	+11	·717	+·152	3·2	+1·2	3	1·5	+1·5	2·46	1·11	+1·35	46·4	40·82	+5·54	1·27	Nowgong.
3	0	2	4	2	0	9	10	1	S 61° W	N 27° W	2·5	2·8	−0·3	40	− 9	82	+14	·750	+·167	2·5	+0·2	3	2·2	+0·8	2·19	2·24	−0·05	42·93	41·45	+1·48	1·06	Sutna.
																																XII.—Central Provinces.
4	0	1	1	1	0	2	14	11	N 72° W		1·9	3·8	−1·9	61		74		·631		4·7		9	2·8	+6·2	7·06	2·25	+4·81	33·30	32·98	+0·32	2·25	Buldana.
6	1	1	0	1	1	5	11	5	W	N 53° E	3·7	2·6	+1·1	54	+36	73	+11	·691	+·130	5·0	+2·3	6	2·6	+3·4	2·81	2·08	+0·73	27·12	30·58	−3·46	0·78	Akola.
4	0	6	7	0	1	0	12	1	N 22° W	N 63° E	3·[illegible]	2·8	+1·1	13	−19	74	+16	·690	+·147	4·7	+2·0	5	2·5	+2·5	3·01	1·93	+1·08	32·44	31·54	+0·90	1·02	Amraoti.
30	0	0	0	0	0	0	0	1	N 45° W	N 2° E	3·7	2·3	+1·4	3	− 8	78	+17	·691	+·157	3·8	+1·8	5	1·9	+3·1	2·26	1·07	+1·19	23·75	28·62	−4·87	0·69	Khandwa.
7	0	3	4	0	0	10	7	0	S 57° W	N 79° E	1·9	1·2	+0·7	30	+12	84	+13	·755	+·173	4·3	+2·4	6	2·0	+4·0	2·44	1·33	+1·11	44·22	47·19	−2·97	0·97	Hoshangabad.
1	1	1	4	0	2	9	12	1	S 65° W	S 27° W	4·5	2·3	+2·5	49	+35	69	+13	·634	+·147	3·6	+1·9	4	1·8	+2·2	1·98	0·99	+0·99	42·74	43·63	−0·89	0·61	Saugor.
3	2	2	1	6	6	2	3	3	S 1° E†	S 27° E	1·6	1·4	+0·4	20	−16	82	+ 7	·728	+·130	3·6	+1·7	5	2·2	+2·8	4·58	1·63	+2·95	70·79	52·65	+18·14	2·27	Jubbulpore.
11	8	3	1	1	1	1	3	2	N 8° W	N 9° E	2·8	2·0	+0·8	30	+ 7	76	+13	·665	+·134	4·3	+2·1	7	2·9	+4·1	5·84	1·76	+4·08	48·98	49·08	−0·10	2·26	Seoni.
0	8	5	2	1	0	1	4	10	N 18° W	N 7° E	3·6	2·8	+0·8	59	+30	75	+11	·717	+·136	4·5	+1·7	6	2·8	+3·2	4·64	1·92	+2·72	46·78	46·09	+0·69	1·70	Nagpur.
16	2	2	2	1	2	2	4	3	N 18° W		2·3			5		75	+11	·661	+·133	3·5	+0·8	7	2·9	+4·1	7·37	2·46	+4·91	50·99	45·61	+5·38	3·60	Pendra.
4	2	4	5	1	2	3	6	4	N 41° W	N 27° E	3·3	2·8	+0·5	13	− 5	81	+ 8	·779	+·126	2·6	−0·4†	4	3·3	+0·7	6·47	1·99	+4·48	52·06	47·14	+4·92	4·45	Raipur.
15	1	0	0	1	1	3	6	4	W	N 11° E	4·0	1·7	+2·3	33	+15	82	+ 9	·820	+·141	4·5	+1·8	4	2·6	+1·4	2·25	1·69	+0·56	38·68	50·00	−11·32	0·92	Chanda.
20	4	0	0	1	0	4	1	1	N 72° W		0·7			13		82		·747		2·9		8			3·71			51·53			0·77	Jagdalpur.
																																XIII.—Hyderabad.
5	2	3	3	1	0	5	8	4	N 72° W		5·8			30		71	+16	·630	+·092	4·5	+1·7	4	2·6	+1·4	3·95	1·70	+2·25	29·49	26·66	+2·83	1·78	Aurangabad.
10	7	2	1	0	0	4	3	4	N 37° W		2·6			33		79	+ 7	·738	+·052	4·8	+1·7	7	2·5	+4·5	4·32	1·75	+2·57	34·19	38·10	−3·91	1·44	Nizamabad.
7	1	5	1	1	0	11	0	5	S 85° W		5·2			26		75	+ 5	·702	+·066	4·6	+2·9	5	3·6	+1·4	3·41	3·07	+0·34	30·50	33·94	−3·44	1·25	Bidar.
2	2	5	4	1	0	2	8	7	N 36° W	N 72° E	5·3	6·1	−0·8	33	+10	75	+ 7	·656	+·022	3·9	+0·6	5	3·6	+1·4	5·22	3·06	+2·16	21·21	30·60	−9·36	2·15	Gulbarga.
0	1	2	3	3	0	8	4	10	N 81° W	S 79° E	9·0	5·3	+3·7	33	+27	77	+10	·718	+·064	2·1	−1·4	8	3·6	+4·4	6·31	3·25	+3·09	22·48	26·31	−3·83	2·78	Raichur.
8	0	4	0	1	0	0	12	6	N 64° W	S 68° E	5·5	2·8	+2·7	46	+38	85	+12	·763	+·115	5·3	+1·4	5	4·5	+0·5	7·60	3·23	+4·37	50·72	28·11	+22·61	4·17	Hyderabad (Deccan).
2	2	0	0	3	5	2	9	8	S 85° W		3·4			46		75	+ 6	·772	+·095	4·9	+1·4	8	3·2	+4·8	5·89	1·90	+3·99	34·34	32·01	+2·33	2·40	Hanamkonda.
																																XIV.—Mysore.
4	0	0	2	1	0	11	12	1	S 67° W	S 45° W	4·3	4·1	+0·2	66	+52	78	+ 2	·633	−·010	5·3	−0·2	5	6·8	−1·8	1·28	4·53	−3·25	18·82	21·45	−2·63	0·42	Chitaldrug.
6	2	0	1	1	0	5	14	5	N 86° W	N 53° E	5·2	1·8	+3·4	52	+29	83	+ 1	·608	−·023	5·2	−1·5	9	9·7	−0·7	7·52	6·99	+0·59	27·30	29·67	−2·37	2·54	Hassan.
0	1	1	2	4	0	4	15	4	S 86° W	N 1° E	5·1	3·4	+1·7	49	+46	83	+ 1	·631	+·003	6·2	+0·1	4	9·4	−5·4	3·22	6·28	−3·06	23·92	23·91	+0·01	1·32	Bangalore.
4	0	2	1	1	1	6	12	4	S 85° W	S 72° W	4·7	5·3	−0·6	53	+35	79	− 4	·627	−·030	5·2	−2·0	8	9·5	−1·5	4·78	7·04	−2·26	34·12	25·64	+8·48	1·04	Mysore.

* Mean of 30 days.

† 3 winds less.

Table

(2) Abstract of observations taken at 8 hrs. at 216 stations

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 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
	XV.—Madras.																						
30	Mangalore	72	29·849	—·022	29·853	29·910	13th	29·802	10th	·108	79·8	85·3	—0·4	74·4	+0·4	79·9	0	10·9	89·6	26th	70·4	14th	19·2
	Calicut	27	29·889	—·018	29·845	29·950	14th	29·815	10th	·135	78·6	85·4	—0·7	75·2	+0·5	80·3	—0·1	10·2	87·8	26th	69·0	12th	18·3
	Cochin	9	29·918	—·014	29·854	29·975	14th	29·856	10th	·119	79·6	87·0	+0·4	75·2	+0·5	81·1	+0·5	11·8	89·9	25th	70·7	12th	19·2
	Trivandrum	198	29·724	—·015	29·853	29·772	30th	29·659	10th	·113	78·6	84·9	+2·1	74·9	—0·1	79·9	+1·0	10·0	88·0	18th	71·8	13th	16·2
31	Pamban	37	29·848	—·033	29·813	29·894	14th	29·754	10th	·140	81·7	88·8	+1·0	79·0	+1·8	83·9	+1·4	9·8	90·2	5 days	76·3	31st	13·9
	Madura	447	29·430	—·041	29·869	29·503	30th	29·339	10th	·164	81·9	93·4	+2·3	75·4	+1·4	84·4	+1·9	18·0	97·0	17th & 18th	70·1	18th	26·9
	Pudukkottai	318	29·564	—·031	29·513	29·615	13th	29·472	10th	·143	81·6	94·4	+3·9	75·6	+1·2	85·0	+2·5	18·8	99·9	19th	72·2	26th	27·7
	Negapatam	31	29·847	—·037	29·807	29·904	30th	29·752	10th	·152	82·7	92·1	+3·4	78·0	+1·8	85·1	+2·6	14·1	95·9	17th	74·6	31st	21·3
	Trichinopoly	255	29·628	—·035	29·816	29·690	30th	29·536	10th	·154	81·5	93·9	+2·8	75·3	+1·0	84·6	+1·9	18·6	99·1	9th	69·6	18th	29·5
	Coimbatore	1,341	28·569	—·013	29·845	28·625	13th	28·486	10th	·139	76·5	88·8	+0·7	70·4	—0·2	79·6	+0·3	18·4	92·2	26th	62·3	12th	29·9
	Salem	913	28·980	—·021	29·828	29·035	13th	28·898	10th	·137	78·8	92·2	+2·5	72·8	+1·4	82·5	+1·9	19·4	96·0	18th	68·2	12th	27·8
	Cuddalore	37	29·834	—·040	29·801	29·897	30th	29·735	10th	·162	83·0	92·9	+4·4	77·7	+3·2?	85·3	+3·8?	15·2	97·4	19th	73·0	19th	24·4
	Vellore	707	29·170	—·037	29·814	29·230	30th	29·075	10th	·155	76·0	91·3	+2·1	73·6	+0·6	82·5	+1·3	17·7	95·2	18th	69·6	30th	25·6
	Madras	22	29·839	—·050	29·782	29·902	30th	29·734	2nd	·168	83·0	91·8	+2·5	76·8	+1·8	84·3	+2·1	15·0	97·6	18th	71·2	11th	26·4
32	Cuddapah	428	29·439	—·047	29·803	29·515	30th	29·330	2nd	·185	82·5	93·7	+1·1	77·0	+2·8	85·4	+1·9	16·7	98·3	25th	71·3	1st	27·0
	Bellary	1,475	28·404	—·041	29·812	28·469	30th	28·305	10th	·164	77·8	91·6	+1·3	71·2	0	81·4	+0·7	20·4	97·1	8th	66·5	29th	30·6
	Kurnool	923	28·958	—·028	29·825	29·035	30th	28·858	10th	·177	77·4	89·3	—1·6	73·3	+2·3	81·3	+0·3	16·0	94·3	24th	64·2	31st	30·1
33	Nellore	66	29·779	—·061	29·779	29·861	30th	29·653	2nd	·208	83·2	94·4	+3·0	78·1	+2·3	86·3	+2·7	16·3	100·4	18th	73·1	10th	27·3
	Masulipatam	15	29·829	—·070	29·779	29·934	30th	29·635	2nd	·299	82·4	90·2	+1·1	77·0	+1·0	83·6	+1·1	13·2	94·5	9th	71·5	31st	23·0
	Cocanada	26	29·808	—·072	29·771	29·914	28th	29·632	2nd	·282	81·2	89·4	+1·3	77·3	+1·3	83·3	+1·3	12·1	95·8	19th	70·7	28th	25·1
	Waltair (Vizagapatam).	*296*	29·596	—·080	29·763	29·706	30th	29·317	1st	·389	81·8	88·5	+0·3	77·1	+0·8	82·8	+0·5	11·4	94·1	19th	73·4	31st	20·7
	Calingapatam	19	29·799		29·757	29·910	28th & 30th.	29·629	1st	·281	81·3	90·4		77·5		84·0		12·0	95·5	16th	69·8	30th	25·7
	Gopalpur	33	29·781	—·089	29·754	29·894	28th	29·666	10th	·228	81·3	89·7	+2·0	77·6	+3·3	83·6	+2·7	12·1	95·2	18th	70·1	30th	25·1
	Bay Islands.																						
1	P. V. Fraser	8	29·8 0†		29·759†	29·895	12th	29·658	15th	·237	83·8												
	Port Blair	58	29·813	—·049	29·801	29·867	21st	29·739	31st	·128	80·8	85·8	—0·8	76·6	—0·3	81·2	—0·5	9·2	89·6	30th	73·1	9th	16·5
	Table Island	90	29·757	—·063	29·781	29·831	21st	29·659	31st	·172	81·4	85·6	0	78·1	+0·7	81·8	+0·3	7·5	88·6	27th & 28th	75·0	9th	13·6
	Kashmir.																						
13	Muzaffarabad		27·491			27·626	30th	27·368	15th	·258	62·5	83·8		56·2		72·5		32·6	93·3	15th & 16th	48·1	31st	45·2
	Srinagar	5,204	24·915	—·068	24·886	25·038	30th	24·771	8th	·264	52·9	75·8	+5·7	45·0	+3·9	60·4	+4·8	30·8	82·6	13th	32·0	31st	50·6
	Gulmarg*	*8,569*	21·994		21·962	22·009	2nd	21·985	1st & 3rd.	·024	45·9	57·0		38·8		47·9		18·2	61·0	1st	36·5	1st	24·5
	Dras	*10,059*	20·884	+·006	20·852	20·989	30th	20·746	7th	·243	37·3	58·1	+0·7	33·0	+6·2	45·5	+3·5	25·1	64·0	1st	22·5	31st	41·5
	Leh	*11,503*	19·806	+·016	19·774	19·921	30th	19·648	25th	·273	45·4	65·1	+6·5	31·7	+4·4	49·9	+5·5	30·4	71·6	17th	23·0	31st	48·6
	Skardu	*7,505*	22·941	—·018	22·911	23·138	30th	22·802	6th	·336	48·3	68·3	+1·9	43·7	+2·4	56·0	+2·1	24·6	76·0	7th	32·7	31st	43·3
	Gilgit	4,890	25·202	—·027	25·175	25·438	30th	25·035	8th	·403	62·1	80·4	+5·5	53·7	+0·9	67·0	+3·2	26·7	86·7	15th	46·2	31st	40·5

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.

* Mean of 4 days.

† " " 30 "

B—*continued.*

in India, etc., in October, 1915—*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, 1915.	Normal rainfall for period, 1st May to 31st October.	Departure from normal of period, 1st May to 31st October, 1915.	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
																																XV.—Madras.
2	5	5	11	2	0	3	1	2	N 61° E	S 89° E	4·0	1·6	+2·4	43	+ 3	83	0	·837	+·002	4·9	−0·7	11	9·8	+ 1·2	6·43	6·91	− 0·48	97·89	122·13	−24·24	1·70	Mangalore.
10	2	2	2	1	1	2	3	8	N 45° W	N 76° E	4·1	5·4	−1·3	27	−20	88	+ 2	·855	+·012	4·5	−1·4	7	10·9	− 3·9	6·07	9·70	− 3·63	101·86	106·14	− 4·28	1·35	Calicut.
6	2	8	8	1	0	1	2	3	N 49° E	N 34° E	4·8	3·2	+1·6	40	−14	81	− 3	·819	−·027	5·6	0	13	14·0	− 1·0	8·23	13·06	− 4·83	106·26	97·26	+ 9·00	2·08	Cochin.
6	12	0	0	1	0	0	3	9	N 26° W	N 14° W	4·7	3·7	+1·0	66	+18	82	− 2	·797	−·015	5·7	−1·0	8	11·9	− 3·9	7·74	10·49	− 2·75	65·38	47·21	+18·17	4·16	Trivandrum.
7	3	0	1	3	11	2	3	1	S 10° W	S 68° W	5·1	6·3	−1·2	37	+15	81	− 1	·866	−·013	3·5	−0·9	4	9·7	− 5·7	2·84	9·65	− 6·81	9·91	13·01	− 3·10	1·45	Pamban.
2	5	2	2	1	0	0	8	11	N 41° W	N 14° W	3·2	1·8	+1·4	56	− 5	70	− 6	·765	−·017	6·4	+1·2	6	10·8	− 4·8	7·95	8·51	− 0·56	26·50	24·13	+ 2·37	2·85	Madura.
8	4	0	1	0	0	1	4	13	N 45° W		3·5			58		70	−11	·754	−·051	3·7	−2·7	3	9·0	− 6·0	3·06	5·60	− 2·54	22·14	23·60	− 1·46	2·00	Pudukkottai.
0	0	1	0	0	0	11	14	5	S 82° W	N 85° W	5·3	3·4	+1·9	82	+42	79	− 2	·877	+·015	4·7	−1·5	4	10·1	− 6·1	1·10	10·84	− 9·74	13·10	23·35	−10·25	0·45	Negapatam.
0	0	1	0	1	2	7	14	6	S 83° W	N 77° W	3·3	2·8	+0·5	72	+36	71	− 9	·765	−·045	3·4	−2·3	8	9·5	− 1·5	5·91	7·15	− 1·24	21·66	21·80	− 0·14	2·30	Trichinopoly.
13	0	0	1	0	7	10	0	0	S 23° W	S 4° E	3·5	2·0	+1·5	49	+24	79	− 7	·723	−·046	3·1	−2·5	6	9·9	− 3·9	2·85	6·63	− 3·78	15·57	14·68	+ 0·89	0·89	Coimbatore.
10	0	0	0	0	3	0	17	1	S 83° W	S 40° W	3·5	1·8	+1·7	56	+45	78	− 3	·771	−·008	5·1	−0·7	7	10·2	− 3·2	7·52	6·66	+ 0·86	35·81	32·35	+ 3·46	2·30	Salem.
13	0	0	0	1	1	11	1	4	S 58° W	N 69° W	2·8	1·6	+1·2	43	− 4	72	−14?	·808	−·081?	4·3	−0·9	2	10·7	− 8·7	0·45	11·62	−11·17	13·41	28·47	−15·06	0·19	Cuddalore.
15	0	0	0	0	0	3	9	4	N 87° W		1·5			45		81	0	·851	+·077	3·7	−0·7	4	7·5	− 3·5	1·82	6·98	− 5·16	27·51	33·34	− 5·83	0·95	Vellore.
0	2	0	0	1	2	18	6	2	S 59° W	N 83° W	3·3	3·5	−0·2	72	+40	81	− 2	·905	+·026	4·3	−1·0	7	10·6	− 3·6	3·71	11·27	− 7·56	24·74	28·42	− 3·68	1·42	Madras.
0	5	0	1	3	2	1	12	7	N 71° W	N 72° E				53	+31	68	− 5	·753	−·011	3·8	−1·0	4	6·4	− 2·4	2·48	5·08	− 2·60	19·51	26·25	− 6·74	0·96	Cuddapah.
12	1	0	1	1	0	3	5	8	N 71° W	N 62° W	4·4	3·1	+1·3	40	+33	70	+ 3	·660	+·034	3·9	−1·4	3	6·4	− 3·4	1·68	3·98	− 2·30	24·81	16·67	+ 8·14	1·20	Bellary.
1	0	3	3	2	0	6	10	6	N 87° W	N 66° W	3·9			40	+33	75	+ 1	·708	+·005	4·2	+0·1	4	4·9	− 0·9	2·09	3·30	− 1·21	19·31	24·28	− 4·97	0·67	Kurnool.
8	1	1	0	0	5	1	7	8	N 83° W	N 68° W	3·4*	3·2	+0·2	43	+25	77	− 3	·863	+·001	4·3	−2·3?	3	8·1	− 5·1	0·62	8·32	− 7·70	12·76	21·05	− 8·29	0·23	Nellore.
7	1	0	0	0	1	1	7	14	N 62° W	N 1° E	4·5	3·4	+1·1	62	+22	81	− 2	·895	+·013	4·9	0	9	8·4	+ 0·6	4·86	7·96	− 3·10	39·98	32·44	+ 7·54	1·50	Masulipatam.
7	3	0	1	0	0	5	11	4	N 82° W	N 11° W	4·7	5·5	−0·8	53	− 8	85	+ 6	·905	+·081	5·2	+0·7	8	8·2	− 0·2	5·36	7·99	− 2·63	29·69	31·13	− 1·44	1·32	Cocanada.
7	2	2	1	2	2	9	4	2	S 57° W	N 74° W	3·7			30	−15	79	+ 7	·858	+·081	5·1	+0·1	7	6·7	+ 0·3	9·43	6·45	+ 2·98	42·67	30·08	+12·59	3·34	Waltair (Vizag.).
8	4	2	1	2	2	2	4	6	N 50° W		4·5			27		85		·914		3·4		10	4·8	+ 5·2	12·62	4·43	+ 8·19	38·90	29·15	+ 9·75	4·24	Calingapatam.
6	9	0	1	2	4	2	0	7	N 29° W	N 23° W	6·1	5·8	+0·3	30	−15	82	0	·889	+·075	4·6	+2·4	6	6·9	− 0·9	8·76	8·29	+ 0·47	42·32	38·42	+ 3·90	3·09	Gopalpur.
																																Bay Islands.
0	3	1	2	5	3	3	10	4	S 77° W					29		84		·975		5·5		8			5·72			33·54			1·90	P. V. Fraser.
12	0	0	0	0	1	2	6	10	N 72° W	S. 68° W	4·0	4·6	−0·6	49	+31	88	− 1	·920	0	7·1	+0·7	18	15·4	+ 2·6	18·42	10·89	+ 7·53	78·38	96·07	−17·69	3·63	Port Blair.
3	1	0	2	3	3	8	8	3	S 57° W		8·9			46		84	− 1	·901	−·006	6·4	−0·7	11	10·3	+ 0·7	6·90	6·53	+ 0·37	51·38	70·38	−19·00	2·60	Table Island.
																																Kashmir.
26	1	0	0	1	1	1	1	0	S 45° W		0·3			3		64		·367		0·7		1			2·12			30·21			2·11	Muzaffarabad.
16	0	1	2	7	3	1	0	1	S 41° E	S 51° E	1·8	2·2	−0·4	30	+ 8	77	− 9	·312	+·026	1·1	−1·0	2	2·5	− 0·5	0·47	1·08	− 0·61	5·12	12·54	− 7·42	0·34	Srinagar.
1	0	1	1	0	1	0	0	0	S 73° E		2·0			43		61		·189		6·7		3			0·75			13·53†			0·50	Gulmarg.
25	0	0	1	0	2	0	2	1	S 52° W		3·2			7		77‡	+ 7	·191‡	+·037	3·2	+1·2	3	1·4	+ 1·6	1·27	0·42	+ 0·85	3·14	6·82	− 3·68	0·70	Dras.
24	0	1	1	1	3	1	0	0	S 26° E	S 83° W	2·5	1·5	+1·0	17	−26	43	− 4	·130	+·017	2·1	−0·3	1	0·1	+ 0·9	0·20	0·17	+ 0·03	0·92	1·82	− 0·90	0·11	Leh.
28	0	0	2	0	0	0	1	0	E		1·2			3		64	− 1	·220	+·006	2·9	+0·1	3	0·1	+ 2·9	0·73	0·06	+ 0·67	2·35	3·73	− 1·38	0·28	Skardu.
31	0	0	0	0	0	0	0	0	Calm.		0			(a)		58	+11	·327	+·090	2·0	−1·4	2	0·6	+ 1·4	0·41	0·25	+ 0·16	1·91	3·00	− 1·09	0·22	Gilgit.

(a) Indeterminate.
† Rainfall since 4th June.

* Mean of 30 days.
‡ " " 20 "

Table

(2) Abstract of observations taken at 8 hrs. at 216 stations

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.	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
	Baluchistan.																						
15	Fort Sandeman	4,614	25·429		25·398	25·573	30th	25·328	15th	·245	57·6	86·4		51·4		68·9		35·0	92·5	16th	42·1	30th	50·4
	Quetta	5,502	24·686	—·049	24·646	24·826	30th	24·591	16th	·235	39·1	77·8	+2·5	35·1	—3·8	56·5	—0·7	42·7	83·6	1st	29·7	22nd	53·9
	Chaman	4,311	25·742	—·066	25·704	25·881	30th	25·614	16th	·267	57·1	79·7	—0·2	50·4	—2·3	65·1	—1·3	29·3	80·2	1st	43·0	20th	47·2
	Kalat	6,630	23·801		23·763	23·927	30th	23·710	16th	·217	37·7	75·9	+1·4	33·4	+3·4	54·7	+2·4	42·5	81·5	16th	27·5	31st	54·0
	Dalbandin	2,772	27·169		27·132	27·322	30th	27·032	16th	·290	53·7	86·8		47·7		67·2		39·1	99·1	1st	37·8	21st	61·3
	Pasni		29·859		29·820	30·033	29th	29·736	16th	·297	78·1	93·0		64·5		78·7		28·5	100·4	26th	55·6	26th	44·8
	Panjgur		26·779		26·737	26·930	30th	26·649	16th	·281	55·3	84·2		52·9		68·6		31·3	92·6	1st	47·2	30th	45·4
	Robat		26·978		26·936	27·150	29th	26·796	16th	·354	62·2	90·8		58·6		74·7		32·2	100·2	14th	49·3	18th	50·9
	Hill stations, excluding Kashmir and Baluchistan.																						
	Para Chinar	6,000	24·464	—·045	24·440	24·548	28th	24·370	8th	·178	62·7	77·4	+2·8	48·8	—0·4	63·1	+1·2	28·6	81·0	15th	45·1	7th & 30th.	38·9
	Cherat	*4,956*	25·732	—·027	25·700	25·854	28th	25·616	15th	·238	67·0	79·0	+1·2	59·5	+1·8	69·3	+1·5	19·5	86·6	15th	55·7	9th	30·9
	Drosh		25·132‡			25·300	30th	25·025	6th & 8th.	·275	58·0	80·8	+3·7	56·4	+3·6	68·6	+3·7	24·4	88·3	15th	53·4	7th	34·9
	Murree	6,323	23·880	—·036	23·848	23·983	2nd & 28th.	23·781	8th	·202	60·8	70·6	+1·8	57·6	+4·5	64·1	+3·1	16·0	77·0	15th	50·2	1st	26·8
	Simla	7,232	23·147	—·023	23·109	23·244	2nd	23·048	7th	·196	60·4	65·1	+2·3	55·6	+4·5	60·4	+3·4	9·5	71·8	12th	51·1	28th	20·7
	Sarain		23·176	—·034	23·138	23·258	29th	23·078	7th & 8th.	180	49·7	69·3	+4·2	47·3	+5·0	58·3	+4·6	22·0	75·5	15th	37·6	29th & 31st.	37·9
	Kalabagh		20·171	—·004	20·133	20·278	2nd	20·047	25th	·231	47·8	54·0	+4·7	43·3	+5·6	48·6	+5·1	10·7	60·6	13th	35·2	30th	25·4
	Chakrata	7,072	23·43[illegible]		23·392	23·529	1st	23·312	7th	·217													
	Mukteswar	7,592	22·886	—·028	22·845	22·989	2nd	22·780	15th	·209	60·6	69·8	+3·3	55·4	+5·6	62·6	+4·5	14·4	73·7	21st	49·8	27th	23·9
	Darjiling	7,432	23·005	—·019	22·960	23·106	1st	22·907	15th	·199	58·9			55·0	+5·1						50·0	27th	
	Shillong	4,920	25·137	—·038	25·099	25·232	28th & 30th.	25·016	15th	·216	66·6	73·3†	+1·6†	57·7	+3·2	65·5†	+2·4	15·6	77·8	11th	49·7	25th	28·1
	Cherrapunji	4,309	25·690	—·045	25·641	25·777	1st	25·551	15th	·226	69·1	75·5	+3·5	62·8	+2·3	69·1	+2·9	12·7	79·5	14th	56·4	25th	23·1
	Maymyo	3,546	26·427	—·033	26·372	26·517	1st	26·333	8th	·184	69·2	79·5	+2·7	63·2	+3·1	71·4	+2·9	16·3	84·2	14th	55·6	4th	28·6
	Pachmarhi	3,528	26·409	—·090	26·356	26·544	28th	26·234	4th	·310	71·2	78·4	—0·2	63·8	+4·6	71·1	+2·2	14·6	82·5	24th	50·1	31st	32·4
	Mount Abu	3,945	26·031	—·079	25·981	26·154	30th	25·879	7th	·275	72·7	78·2	—1·0	65·2	+0·7	71·7	—0·1	13·0	82·2	12th	60·4	19th & 31st.	21·8
	Mercara	3,781	26·20[illegible]	—·028	26·140	26·252	30th	26·133	10th	·119	66·9	75·2	—0·8	60·6	—1·5	67·9	—1·1	14·6	81·3	22nd	54·0	12th	27·3
	Ootacamund	*7,327*	23·054	—·001	22·990	23·090	24th	22·988	10th	·102	59·4	67·2	+3·2	49·9	—0·6	58·5	+1·3	17·3	71·0	13th	45·0	7th	26·0
	Kodaikanal	7,688	22·829	—·007	22·764	22·864	30th	22·776	10th	·088	58·3	66·2	+3·7	51·8	+0·4	59·0	+2·1	14·4	69·5	12th & 16th.	48·2	15th	21·3
	Extra India.																						
	Singapore (a)	10	29·825	—·115	29·756	29·878	4th & 17th.	29·706	9th	·172	84·0	88·2	+0·3	75·0	+1·0	81·6	+0·7	13·2	91·5	6th, 8th & 30th.	69·9	23rd	22·5
	Penang (a)	17	29·851	—·069	29·793	29·909	4th	29·807	25th	·102	82·5	88·3	—0·1	73·2	0	80·7	—0·1	15·1	92·0	29th	70·0	27th	20·0
	Trincomalee	99	29·782	—·029	29·809	29·838	13th	29·702	10th	·136	78·9	94·7	+6·0	76·1	+0·6	85·4	+3·3	18·6	99·6	17th	73·6	22nd	26·0
	Colombo	24	29·907	—·018	29·856	29·949	30th	29·831	10th	·118	77·2	85·5	—0·5	75·4	+0·1	80·4	—0·2	16·1	87·4	25th	71·2	26th & 28th.	16·2
	Hambantota	64	29·843		29·838	29·887	13th & 30th.	29·784	10th	·103	78·1	88·1		76·2		82·2		11·9	91·9	15th	72·8	13th	19·1
	Minicoy	7	29·940	+·002		29·975	15th	29·883	10th	·092													
	Amini Divi	*13*	29·915	—·015	29·856	29·973	14th	29·862	9th	·111	82·3	88·4	+2·5	77·5	+0·9	83·0	+1·7	10·9	91·6	20th	71·1	12th	20·5
	Gyantse	13,120	18·576		18·537	18·656	1st	18·493	9th	·163	49·7	66·5		32·8		49·6		33·7	69·8	8 days	22·[illegible]	27th	47·6
	Pharijong	14,400																					
	Gangtok	5,667	24·474	—·041	24·429	24·566	2nd & 3[illegible]th.	24·398	8th	·168	66·7	75·0	+4·2	59·9	+11·5	67·5	+7·9	15·1	78·7	16th	52·2	26th	26·5
	Gartok *	15,100									40·1	54·1		36·7		45·4		17·4	57·1	1st	32·7	3rd	24·4

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. * Mean of 6 days. † Mean of 30 days.
‡ Aneroid.

B—*continued.*

n India, etc., in October, 1915—*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 1915.	Normal rainfall for period, 1st May to 31st October.	Departure from normal of period, 1st May to 31st October 1915.	Heaviest rainfall during month.	Station.
5	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																Baluchistan.
31	0	0	0	0	0	0	0	0	Calm		0·5			(a)		33		·165		0·2		2			0·26			3·30			0·15	Fort Sandeman.
26	2	0	0	0	0	0	0	3	N 27° W	N 59° W	1·5	1·4	+0·1	17	+14	69e	+25	·170e	−·025	0	−0·3	0	0·2	−0·2	0	0·09	−0·09	0·13	1·91	−1·78	0	Quetta.
2	0	0	24	2	1	1	1	0	S 83° E	S 45° E	3·5	5·8	−2·3	79	+25	26	− 7	·123	−·079	0	−0·5	0	0·2	−0·2	0	0·07	−0·07	0	0·29	−0·29	0	Chaman.
31	0	0	0	0	0	0	0	0	Calm	S 11° E	3·9			(a)		d 45	+ 7	d ·107	−·077	0		0	0·2	−0·2	0	0·04	−0·04	1·14	1·41	−0·27	0	Kalat.
5	2	10	4	0	0	0	0	0	N 51° E		3·3			46		26		·108		0		0			0			0			0	Dalbandin.
6	9	2	1	0	0	0	6	7	N 25° W		5·6			59		57		·535		0·2		0			0			0·12			0	Pasni.
2	4	16	8	0	0	1	0	0	N 52° E		5·2			79		41		·183		0·1		0			0·03			0·43			0·03	Panjgur.
2	0	0	0	0	1	13	14	1	S 68° W		4·3			82		37		·207		0		0			0			0·14			0	Robat.
																																Hill stations, excluding Kashmir and Baluchistan.
31	0	0	0	0	0	0	0	0	Calm		1·0			(a)		30	0	·225	+·014	0	−1·1	1	2·0	−1·0	0·15	0·78	−0·63	13·20	13·78	−0·58	0·15	Para Chinar.
7	17	0	0	0	2	1	0	4	N 11° W	N 11° W	4·5	7·4	−2·9	56	+ 5	d 33	− 9	d ·211	−·044	1·2	+0·2	0	0·9	−0·9	0·15	0·29	−0·14	9·41	13·59	−4·10	0·08	Cherat.
29	0	0	1	1	0	0	0	0	S 66° E		1·7			7		46	− 8	·225	−·018	1·2	−0·3	2	2·3	−0·3	0·99	1·25	−0·26	2·76	6·50	−3·74	0·63	Drosh.
8	15	0	1	2	0	0	0	5	N 3° W	N 27° W	3·3	4·5	−1·2	56	+37	35	−10	·175	−·038	0·7	−0·6	1	2·3	−1·3	1·06	1·27	−0·21	45·90	39·42	+6·48	1·06	Murree.
																51	+ 3	·271	+·062	2·3	+1·5	1	1·3	−0·3	0·59	0·87	−0·28	46·74	51·28	−4·54	0·45	Simla.
																79	+12	·295	+·074	2·1	+1·5	3	1·4	+1·6	0·97	1·12	−0·15	45·35	40·31	+3·51	0·56	Sarain.
14	7	0	0	0	6	1	0	3	N 56° W		4·5			10		53	+ 3	·184	+·049	2·5	+1·8	4	1·0	+3·0	1·45	1·49	−0·04	†† 47·68	55·00‡	−7·32	0·70	Kalabagh.
										N 39° E		4·5								2·6	+1·7	1	1·2	−0·2	0·18	0·82	−0·64	34·62‡	57·62	−23·00	0·12	Chakrata.
7	2	2	8	2	0	3	7	0	S 86° E		4·6			5		62	+ 6	·327	+·073	2·3	+1·0	0	1·4	−1·4	0·22	1·70	−1·48	47·38	41·99	+5·39	0·69	Mukteswar.
29	0	0	0	2	0	0	0	0	S 45° E	N 73° E	0·2	2·4	−2·2	3	−29	85	− 1	·424	+·047	7·1	+1·8	3	4·3	−1·3	0·98	4·49	−3·51	9·04	113·43	−15·39	0·21	Darjiling.
21	0	0	3	3	1	1	2	0	S 33° E		0·5			17		78	− 1	·509	+·043	6·0	+2·6	11	9·8	+1·2	9·26	6·07	+3·19	90·22	75·05	+18·17	2·85	Shillong.
9	1	6	7	1	1	2	3	1	N 66° E		2·2			23		82	+ 1	·559	+·040	5·9	+1·5	7	8·7	−1·7	14·69	14·52	+0·17	48·79	332·20	+123·59	7·02	Cherrapunji.
25	0	1	0	0	0	5	0	0	S 45° W		1·4			13		92	+ 2	·662	+·018	4·3	−0·7	7	12·0	−5·0	3·73	7·15	−3·42	66·69	50·47	+16·22	1·67	Maymyo.
3	1	2	4	3	0	2	5	11	N 45° W	N 34° E	3·2	2·3	+0·9	33	+22	80	+23	·602	+·168	4·9	+2·5	9	3·0	+6·0	8·00	1·91	+6·09	79·35	72·37	+6·98	1·82	Pachmarhi.
10	2	5	1	6	0	3	3	1	S 88° E	N 27° W	3·1	3·6	−0·5	9	− 9	58	+14	·464	+·126	2·2	+1·7	6	0·6	+5·4	5·06	0·59	+4·47	16·23	59·50	−41·27	2·05	Mount Abu.
8	1	4	0	0	0	5	10	3	N 79° W	N 27° E	3·0	3·1	−0·1	43	+18	87	− 2	·570	−·013	6·7	+0·1	15	13·3	+1·7	7·43	8·62	−1·19	101·22	119·62	−18·40	1·66	Mercara.
7	0	0	6	7	2	4	4	1	S 20° E		2·9			30		77	− 1	·391	+·018	5·5	−0·5	10	14·6	−4·6	6·31	8·71	−2·40	52·53	44·10	+8·43	1·76	Ootacamund.
1	3	4	3	6	2	1	7	4	N 19° W		6·8			7		78	− 6	·379	−·003	3·6	−1·6	9	15·8	−6·8	4·24	10·93	−6·69	30·65	39·67	−9·02	1·14	Kodaikanal.
																																Extra India.
12	0	1	0	2	2	13	1	0	S 34° W					49						6·3	+0·6	12	11·8	+0·2	7·67	7·32	+0·35	35·47	40·12	−4·65	1·52	Singapore.
																						13	18·1	−5·1	14·93	16·93	−2·00	71·99	64·65	+7·34	4·26	Penang.
1	0	0	0	0	0	16	14	0	S 66° W	S 45° W	5·7	6·2	−0·5	89	+14	82	− 4	·806	−·061	6·4	+2·8	6	10·8	−4·8	2·66	7·61	−4·95	14·55	22·35	−7·80	0·72	Trincomalee.
11	0	7	1	0	0	4	6	2	N 51° W	S 41° W	3·4	5·4	−2·0	17	−25	88	+ 4	·824	−·044	9·0	+2·7	9	15·9	−6·9	13·13	14·94	−1·81	52·33	46·52	+5·81	7·00	Colombo.
0	1	0	0	0	0	4	23	3	N 89° W		12·0	8·2	+3·8	90		87		·835		3·6		3			1·27	4·72	−3·45	12·67	14·94	−2·27	0·92	Hambantota.
0	4	0	0	0	0	3	11	10	N 69° W	N 73° W	4·7	5·4	−0·7	78	+21					4·4	−0·8	9	11·3	−2·3	5·97	8·22	−2·25	48·74	46·74	+2·00	2·54	Minicoy.
0	6	2	0	1	1	6	4	11	N 57° W		7·6			52		78	− 2	·852	−·018	5·1	−1·2	4	9·1	−5·1	1·36	5·98	−4·62	‡‡ 47·55	47·24	+0·31	0·45	Amini Divi.
11	0	0	1	8	11	0	0	0	S 22° E		4·2			61		39		·140		0·5		1			0·27			11·92			0·27	Gyantse.
																																Pharijong.
29	0	0	0	0	0	2	0	0	S 45° W		0·4			3		87	+ 3	·567	+·113	1·2	−2·2	4	9·1	−5·1	3·09	5·34	−2·25	112·35	112·30	+10·05	1·28	Gangtok.
0	0	0	0	6	0	0	0	0	S 45° E		8·8			100						4·8		0			0			0·24*			0	Gartok.

(a) Indeterminate.
d Mean of 30 days.
* Rainfall for May and August 1915 wanting.
‡‡ ,, for September 1915 wanting.
(e) Mean of 29 days.

‡ Rainfall since 1st June 1915.
†† ,, ,, 22nd May 1915.

Table

(2) Abstract of observations taken at 8 hrs. at 216

Number of sub-division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	Extra India—*concld.*																						
	Kashgar	4,255	25·624†	—·096		25·990	30th	25·310	16th	·680	50·0	70·7	+0·1	44·3	+1·4	57·5	+0·7	26·4	85·3	1st	33·3	31st	52·0
	Kabul		24·199†	—·131		24·400	29th	24·100	6th & 16th	·300	46·3	85·9	+8·4	43·8	+2·2	64·8	+5·3	42·1	97·8	15th	35·8	30th	62·0
	Meshed	3,104	26·956		30·140	27·112	2nd	26·791	28th	·321	50·0	72·4	+2·4	39·9	—2·6	56·1	—0·1	32·5	89·4	14th	29·0	18th&19th	60·4
	Jask	13	29·890	—·045	29·856	30·054	29th	29·748	16th	·306	81·0	92·7	+2·4	76·8	+0·9	84·7	+1·7	15·9	99·8	12th	72·5	22nd	27·3
	Muscat	20	29·913	—·027	29·885	30·052	30th	29·757	16th	·295	83·8	93·0	+4·8	79·4	—1·2	86·2	+1·8	13·6	96·6	15th	74·6	24th	24·0
	Bahrein	18																					
	Bushire	14	29·903	—·042	29·877	30·061	30th	29·784	5th	·277	75·3	85·3	—2·3	69·2	—2·1	77·3	—2·2	16·1	90·3	6th	63·9	22nd	26·4
	Busrah	25	29·944	—·030	29·938	30·136	29th	29·791	4th	·347	72·6	92·7	+3·6	59·7	—6·7	76·2	—1·5	33·0	102·3	5th & 11th	51·1	27th	51·2
	Kerman		24·563†			24·720	30th	24·420	16th	·300	48·4	82·8		43·9		63·3		38·9	92·0	16th	39·3	19th	52·7
	Ispahan	*5,817*																					
	Tehran	*4,002*																					
	Baghdad	127																					
	Beirut (*a*)																						
	Aden	94	29·806	—·068	29·932	29·895	22nd	29·696	3rd	·199	83·2	93·6	+4·0	80·6	+2·8	87·1	+3·4	13·0	96·8	16th	74·9	23rd	21·9
	Zanzibar	72	30·015	—·003	30·013	30·074	9th	29·970	4th	·104	78·7	83·8	+0·4	75·3	0	79·5	+0·2	8·5	88·0	25th	72·4	8th	14·6

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*) 8½ hrs. observations.
† Aneroid.

B—*concluded.*

stations in India, etc., in October, 1915—*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 1915.	Normal rainfall for period, 1st May to 31st October.	Departure from normal of period, 1st May to 31st October 1915.	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 —*concld.*
28	1	0	0	0	0	0	0	2	N 27° W	N 38° W	0·7	1·2	−0·5	6	− 6	61	+ 5	·217	+·011	2·9	+0·6	0	0·1	−0·1	0	0·02	−0·02	0·27	2·26	−1·99	0	Kashgar.
0	0	3	1	3	7	6	11	0	S 42° W	S 10° E				43	+36	57	+ 3	·185	−·047			0	0·7	−0·7	0	0·36	−0·36	0·66	1·86	−1·20	0	Kabul.
29	0	0	0	1	1	0	0	0	S 27° E		0·9*			6		54	− 7	·201	−·051	1·6	−0·6	0	1·0	−1·0	0	0·39	−0·39	0·62	2·23	−1·61	0	Meshed.
5	4	9	2	1	0	1	0	9	N 8° E	N 56° E	6·5	7·7	−1·2	49	+16	57	−12	·598	−·154	0·4	−0·5	0	0·2	−0·2	0	0·04	−0·04	0	0·10	−0·10	0	Jask.
1	3	1	4	2	0	0	1	19	N 28° W	N 76° W	1·1	2·7	−1·6	59	+31	52	−14	·589	−·166	1·0	+0·4	0	0·1	−0·1	0	0·07	−0·07	0	0·24	−0·24	0	Muscat.
																							0·1			0·01			0·11			Bahrein.
12	7	6	2	2	0	0	0	2	N 29° E	N 67° E	4·6	4·5	+0·1	43	−15	64	− 1	·562	−·070	0·4	−0·7	0	0·2	−0·2	0	0·10	−0·10	0	0·13	−0·13	0	Bushire.
6	1	0	0	0	1	6	10	7	N 87° W		3·8			61		50*f*		·391*f*		0		0	0·2	−0·2	0	0·03	−0·03	0	0·73	−0·73	0	Basrah.
31	0	0	0	0	0	0	0	0	Calm.		3·3			(*a*)		44		·148		1·6		0			0			0·33			0	Kerman.
										N 74° W		2·1											0·4			0·17			0·50			Ispahan.
										N 18° E		2·1											1·0			0·30			1·18			Tehran.
										N 6° W		2·0											0·3			0·08			0·36			Baghdad.
																																Beirut.
7	9	15	0	0	0	0	0	0	N 29° E	N 79° E	8·9	9·3	−0·4	72	+ 4	78	+ 8	·838	+·113	1·0	−1·3	0	0·1	−0·1	0	0·08	−0·08	0	0·58	−0·58	0	Aden.
11	0	0	0	4	9	3	1	0	S 1° W	S 20° E	3·4	3·7	−0·3	46	−26	79	− 3	·773	−·017	6·8	+0·6	7	5·6	+1·4	2·63	3·67	−1·04	23·49	23·48	+0·01	1·72	Zanzibar.

* Mean of 30 days.
f ,, ,, 28 ,,
(*a*) Indeterminate.

Table C.—Abstract of observations taken at 8 hrs. at 57 fourth and fifth class stations in India, etc., in October, 1915.

Table

Abstract of observations taken at 8 hrs. at 57 fourth

Number of sub-division.	Station.	Temperature of air.													Wind direction.										
		Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.	Number of winds from: 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.—Assam.																								
4	Bishnath	78·6	90·4	+3·1	72·9	+7·3	81·7	+5·2	17·5	94·1	12th	64·7	31st	29·4	...	...	...	...	...	...	...	...	...	...	...
	Borjuli	79·5	91·6	+3·2	72·6	+3·5	82·1	+3·3	19·0	95·7	15th	68·8	1st	26·9	...	...	...	...	...	...	...	...	...	...	...
	Chandkhira	78·1	94·2	+7·0	74·4	+4·5	84·3	+5·7	19·8	99·6	10th & 15th,	67·5	27th	32·1	...	...	...	...	...	...	...	...	...	...	...
	Doom Dooma	73·9	93·2	+9·7	72·3	+4·6	82·7	+7·3	20·9	98·5	11th	65·2	31st	32·3	...	...	...	...	...	...	...	...	...	...	...
	Dikom	77·2	89·8	+3·8	73·0	+5·4	81·4	+4·6	16·8	94·8	4th & 11th.	65·6	31st	29·2	...	...	...	...	...	...	...	...	...	...	...
	Golaghat	77·5	87·3	+3·4	72·7	...	80·0	...	14·6	91·9	2nd	67·2	31st	24·7	...	...	...	...	...	...	...	...	...	...	...
	Hailakandi	78·9	91·2	+3·2	75·0	+3·7	83·1	+3·5	16·2	96·0	14th	69·3	27th	26·7	...	...	...	...	...	...	...	...	...	...	...
	Jorehat	77·9	89·4	+2·7	73·8	+3·8	81·6	+3·3	15·6	94·3	2nd	67·9	30th	26·4	...	...	...	...	...	...	...	...	...	...	...
	Lumding *	77·2	87·7	...	73·5	...	80·6	...	14·2	91·9	3rd	67·0	26th	24·9	...	...	...	...	...	...	...	...	...	...	...
	Mesea	80·6	95·2	+2·2	72·8	+5·4	83·0	+3·8	20·4	96·6	3rd	65·1	31st	31·5	...	...	...	...	...	...	...	...	...	...	...
	Pancrihat	72·2	89·2	+2·6	70·7†	+4·2†	79·9†	+3·4†	18·5	93·6	3rd & 5th.	64·2	31st	29·4	...	...	...	...	...	...	...	...	...	...	...
	III.—Bengal.																								
5	Comilla	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Brahmanbaria	82·3	89·5	+1·6	76·6	+3·1	83·1	+2·3	12·9	94·6	2nd	69·9	27th	24·7	...	...	...	...	...	...	...	...	...	...	...
	Faridpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Goalundo	82·3	90·6	+1·8	76·2	+3·7	83·1	+2·7	14·4	95·1	13th	70·1	25th, 26th & 28th.	25·0	...	...	...	...	...	...	...	...	...	...	...
	Pabna	83·1	91·5	−0·8	78·1	+6·7	84·8	+2·9	13·4	95·0	2nd	73·7	2nd & 17th.	21·3	...	...	...	...	...	...	...	...	...	...	...
	Sirajganj	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Rampur Boalia	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Malda	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Rangpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Dam Dim	75·4	93·0	+2·3	68·5	+3·0	80·7	+2·7	24·5	97·7	2nd	59·8	30th	37·9	...	...	...	...	...	...	...	...	...	...	...
	Kalchini	82·5	90·4	+2·1	68·7	+2·4	79·5	+2·3	21·7	94·1	12th	60·6	31st	34·1	...	...	...	...	...	...	...	...	...	...	...
	Nagrakata	80·9	89·3	+0·8	70·9	+3·5	80·1	+2·1	18·4	94·1	16th	62·0	31st	32·1	...	...	...	...	...	...	...	...	...	...	...
	Cooch Behar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Krishnagar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Bankura	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Raniganj (Asansol)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	IV.—Bihar and Orissa.																								
7	Hazaribagh	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	Bhagalpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Muzaffarpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Motihari	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Chapra	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Arrah	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Dehri	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

† Mean of 27 days. * Mean of 30 days.

C.

and fifth class stations in India, etc., in October, 1915.

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 1915.	Normal rainfall of period, 1st May to 31st October 1915.	Departure from normal of period, 1st May to 31st October 1915.		
27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
																					II.—Assam.
...	...	...	...	...	87	− 4	·862	+·106	...	...	9	7·0	+2·0	5·76	5·29	+0·47	100·44	76·37	+24·07	1·60	Bishnath.
...	...	...	...	...	81	− 4	·811	+·037	...	...	7	7·2	−0·2	4·78	3·55	+1·23	88·74	68·62	+20·12	1·92	Borjuli.
...	...	...	...	...	94	+ 2	·904	+·083	...	...	6	8·0	−2·0	4·06	8·32	−4·26	116·62	87·03	+29·59	1·15	Chandkhira.
...	...	...	...	...	93	0	·788	+·041	...	...	5	6·3	−1·8	2·15	4·72	−2·57	89·52	75·12	+14·40	1·08	Doom Dooma.
...	...	...	...	...	90	+ 2	·839	+·118	...	...	5	7·5	−2·5	2·88	5·49	−2·61	101·33	81·38	+19·95	0·73	Dikom.
...	...	...	...	...	95	+ 5	·895	+·112	...	...	8	6·3	+1·7	1·98	2·79	−0·81	64·45	53·85	+10·60	0·51	Golaghat.
...	...	...	...	...	90	− 3	·893	+·094	...	...	5	9·0	−4·0	5·25	9·49	−4·24	131·84	97·72	+34·12	2·17	Hailakandi.
...	...	...	...	...	91	+ 1	·866	+·069	...	...	3	7·0	−4·0	3·15	3·91	−0·76	82·84	62·74	+20·10	1·72	Jorehat.
...	...	...	...	...	92	...	·863	...	...	...	5	6·3	−1·3	3·93	5·27	−1·34	49·76	40·18	+9·58	1·8[illegible]	Lumding.
...	...	...	...	...	80	− 1	·825	+·038	...	...	9	6·0	+3·0	5·66	3·09	+2·57	63·49	74·57	−11·08	2·48	Messa.
...	...	...	...	...	97	+ 4	·764	+·121	...	...	6	5·5	+0·5	1·92	3·65	−1·73	93·85	62·66	+31·19	0·73	Pancribat.
																					III.—Bengal.
...	...	...	...	...	...	...	...	...	...	...	7	6·1	+0·9	17·76	6·04	+11·72	100·47	76·58	+23·89	7·44	Comilla.
...	...	...	...	...	83	− 2	·908	+·023	...	...	8	7·7	+0·3	22·34	5·42	+16·92	97·81	67·86	+29·95	9·81	Brahmanbaria.
...	...	...	...	...	...	...	...	...	...	...	1	5·4	−4·4	0·38	4·55	−4·17	79·85	59·82	+20·03	0·13	Faridpur.
...	...	...	...	...	85	+ 5	·932	+·095	...	...	3	7·0	−4·0	0·86	6·06	−5·20	67·90	57·90	+10·00	0·40	Goalundo.
...	...	...	...	...	88	+ 9	1·006	+·171	...	...	5	4·8	+0·2	1·83	4·82	−2·99	62·64	53·57	+9·07	0·54	Pabna.
...	...	...	...	...	...	...	...	...	...	...	5	4·6	+0·4	3·36	4·69	−1·33	69·22	57·88	+11·34	1·56	Sirajganj.
...	...	...	...	...	...	...	...	...	...	...	4	4·1	−0·1	1·44	3·14	−1·70	61·95	49·47	+12·48	0·70	Rampur Boalia.
...	...	...	...	...	...	...	...	...	...	...	2	3·9	−1·9	1·34	3·85	−1·91	38·42	49·13	−10·71	1·20	Malda.
...	...	...	...	...	...	...	...	...	...	...	8	3·6	+4·4	4·07	4·19	−0·12	78·34	75·05	+3·29	1·01	Rangpur.
...	...	...	...	...	91*	+ 1	·805*	+·040	...	...	5	6·5	−1·5	9·00	5·07	+3·93	155·40	145·00	+10·40	2·70	Dam Dim.
...	...	...	...	...	77	− 4	·872	+·051	...	...	5	6·3	−1·3	2·98	5·86	−2·88	115·34	141·16	−25·82	1·21	Kalchini.
...	...	...	...	...	78	− 2	·818	+·093	...	...	10	7·3	+2·7	8·38	7·46	+0·92	139·91	150·34	−10·43	2·71	Nagrakata.
...	...	...	...	...	...	...	...	...	...	...	6	4·8	+1·2	5·79	6·03	−0·24	103·38	137·77	−34·39	2·11	Cooch Behar.
...	...	...	...	...	...	...	...	...	...	...	6	4·5	+1·5	3·99	3·94	+0·05	43·00	50·39	−7·39	1·80	Krishnagar.
...	...	...	...	...	...	...	...	...	...	...	5	4·0	+1·0	2·03	2·73	−0·70	38·71	49·83	−11·12	0·85	Bankura.
...	...	...	...	...	...	...	...	...	...	...	3	3·6	−0·6	2·09	2·31	−0·22	27·96	48·06	−20·10	1·12	Raniganj (Asansol).
																					IV.—Bihar and Orissa.
...	...	...	...	...	...	...	...	...	...	...	7	4·0	+3·0	2·76	2·83	−0·07	33·40	48·39	−14·99	1·02	Hazaribagh.
...	...	...	...	...	...	...	...	...	...	...	2	2·6	−0·6	0·94	2·05	−1·11	37·91	46·15	−8·24	0·75	Bhagalpur.
...	...	...	...	...	...	...	...	...	...	...	2	2·6	−0·6	0·49	2·88	−2·39	45·81	46·86	−1·05	0·25	Muzaffarpur.
...	...	...	...	...	...	...	...	...	...	...	5	2·6	+2·4	4·11	2·67	+1·44	59·03	53·47	+5·56	1·77	Motihari.
...	...	...	...	...	...	...	...	...	...	...	3	2·4	+0·6	1·53	2·27	−0·74	38·18	39·52	−1·34	1·20	Chapra.
...	...	...	...	...	...	...	...	...	...	...	2	3·0	−1·0	1·68	2·40	−0·72	40·78	41·73	−0·95	0·95	Arrah.
...	...	...	...	...	...	...	...	...	...	...	3	2·6	+0·4	0·43	2·11	−1·68	28·95	39·51	−10·56	0·18	Dehri.

* Mean of 30 days.

Table

Abstract of observations taken at 8 hrs. at 57 fourth

Number of sub-division.	Station.	Temperature of air.													Wind direction.										
		Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.	Number of winds from: 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
	V.—United Provinces of Agra and Oudh.																								
10	Meerut	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Dehra Dun	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	IX.—Rajputana.																								
18	Udaipur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		...	...	...	...	...	...	...
	XII.—Central Provinces.																								
23	Chhindwara	73·9	85·8	...	66·9	...	76·2	...	18·9	88·7	24th	52·7	31st	36·0	25	1	2	1	0	0	0	0	2	N 14° W	...
	XIII.—Hyderabad.																								
27	Parbhani	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	XV.—Madras.																								
31	Tinnevelly	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
32	Anantapur	78·8	91·1	...	72·3	...	81·7	...	18·8	95·8	23rd	67·4	16th & 31st,	28·4	...	...	...	...	...	...	...	...	...	...	...
33	Guntur	82·0	91·3	...	76·1	...	83·7	...	15·2	97·6	9th	69·5	29th	28·1	...	...	...	...	...	...	...	...	...	...	...
	Bay Islands.																								
1	Car Nicobar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Kashmir.																								
13	Jammu	74·7	89·1	...	68·2	...	78·6	...	20·9	93·6	19th	64·8	29th	28·8	...	19	12	0	0	0	0	0	0	N 18° E	...
	Sonamarg	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Kargil	48·7	71·9	...	43·8	...	57·8	...	28·1	80·9	1st	34·6	31st	46·3	0	1	0	9	18	3	0	0	0	S 56° E	...
	Baluchistan.																								
15	Harnai	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Hill stations, exclusive of Kashmir.																								
	Panighatta	78·4	88·3	+1·9	71·0	+3·6	79·7	+2·7	17·3	91·9	16th	65·2	30th	26·7	...	...	...	...	...	...	...	...	...	...	...
	Kurseong	69·5	73·9	+3·1	64·5	+5·0	69·2	+4·1	9·4	76·3	10th	58·9	26th	17·4	...	...	...	...	...	...	...	...	...	...	...
	Gnatong	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Lachung	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Ringim	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Mussooree	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Poo	...	74·0	+8·4	50·1	+8·5	62·1	+8·5	23·9	80·9	17th	42·4	30th	38·5	16	0	0	7	2	0	1	5	0	S 56° E	...
	Kailang	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Bakloh	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Pishin	...	78·0	+1·0	35·1	−2·1	56·5	−0·5	42·9	86·6	1st	28·2	31st	58·4	...	...	...	...	...	...	...	...	...	...	...

C—*continued.*

and fifth class stations in India, etc., in October, 1915—*continued.*

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, 1915.	Normal rainfall of period, 1st May to 31st October, 1915.	Departure from normal of period, 1st May to 31st October, 1915.		
27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
																					V.—United Provinces of Agra and Oudh.
...	...	...	...	...	...	...	...	...	...	...	0	0·5	−0·5	0	0·56	−0·56	21·03	28·68	−7·62	0	Meerut.
...	...	...	...	...	...	...	...	...	...	...	1	1·2	−0·2	0·27	0·89	−0·62	76·79	77·77	−0·98	0·27	Dehra Dun.
																					IX.—Rajputana.
...	...	...	...	...	...	...	...	...	...	...	9	0·2	+8·8	5·63	0·14	+5·49	14·10	22·71	−8·61	1·10	Udaipur.
																					XII.—Central Provinces.
0·7	...	...	13	...	77	...	·650	...	3·5	...	8	...	...	7·88	...	...	42·97	...	...	1·91	Chhindwara.
																					XIII.—Hyderabad.
...	...	...	...	...	...	...	...	...	...	..	6	3·4	+2·6	5·80	2·32	+3·43	41·84	30·36	+11·48	1·86	Parbhani.
																					XV.—Madras.
...	...	...	...	...	...	...	...	...	...	...	6	8·9	−2·9	4·18	6·65	−2·47	10·01	10·96	−0·95	1·30	Tinnevelly.
...	...	...	...	...	73	...	·723	...	3·4	...	2	6·0	−4·0	1·79	4·11	−2·32	24·80	18·02	+6·78	0·78	Anantapur.
...	...	...	...	...	79	...	·856	...	1·1	...	6	7·2	−1·2	4·32	5·45	−1·13	32·02	27·83	+4·19	1·76	Guntur.
																					Bay Islands.
...	...	...	...	...	...	...	...	...	...	...	...	15·7	...	...	11·16	...	...	69·73	...	...	Car Nicobar.
																					Kashmir.
...	...	...	94	...	57	...	·486	...	0·5	...	2	0·3	+1·7	0·75	0·14	+0·61	23·64	31·88	−8·24	0·60	Jammu.
...	...	...	...	...	...	...	...	...	...	...	8	4·6	+3·4	2·31	1·76	+0·55	14·77	22·80	−8·03	0·72	Sonamarg.
...	...	...	87	...	63	...	·220	...	3·0	...	1	0·5	+0·5	0·20	0·15	+0·05	1·47	3·07	−1·60	0·11	Kargil.
																					Baluchistan.
...	...	...	...	...	...	...	...	...	...	...	1	0·1	+0·9	0·19	0·04	+0·15	5·79	6·57	−0·78	0·19	Harnai.
																					Hill stations, exclusive of Kashmir.
...	...	...	...	...	76	+ 8	·734	+·089	...	...	8	4·8	+3·2	8·33	5·14	+3·19	138·01	130·40	+7·61	4·52	Panighatta.
...	...	...	...	...	96	+17	·694	+·217	...	...	8	5·3	+2·7	8·10	5·69	+2·41	164·22	144·57	+19·65	3·33	Kurseong.
...	...	...	...	...	...	...	...	...	...	...	13	...	...	4·25	...	...	141·60	...	...	0·89	Gnatong.
...	...	...	...	...	...	...	...	...	...	...	8	...	...	2·03	...	...	56·41	...	...	0·42	Lachung.
...	...	...	...	...	...	...	...	...	...	...	4	...	...	2·58	...	...	162·15	...	...	1·17	Ringim.
...	...	...	...	...	...	...	...	...	...	...	3	1·2	+1·8	1·48	0·84	+0·64	62·50	83·68	−21·18	0·91	Mussooree.
...	...	...	10	...	...	...	...	...	3·5	+2·0	1	0·8	+0·2	0·44	0·39	+0·05	1·33	3·51	−2·18	0·26	Poo.
...	...	...	...	...	...	...	...	...	...	...	...	1·2	...	...	0·52	...	...	9·03	...	...	Kailang.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Sa'ach.
...	...	...	...	...	...	...	...	...	...	...	0	0·2	−0·2	0	0·07	−0·07	0	0·50	−0·50	0	Pishin.

Table

Abstract of observations taken at 8 hrs. at 57 fourth

Number of sub-division.	Station.	Temperature of air.													Wind direction.										
		Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.	Number of winds from: 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.																								
	Chumbi . . .	50·1	65·5	...	48·0	...	56·7	...	17·5	78 0	18th	34·5	31st	43·5	...	...	...	...	...	...	...	...	...	...	...
	Pemba	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Prison Island . .	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Seistan	...	82·3	...	53·0	...	67·6	...	29·3	91·0	14th	43·0	20th	48·0	0	1	1	0	0	2	0	0	27	N 43° W	...

C—*concluded.*

and fifth class stations in India, etc., in October, 1915—*concluded.*

Wind velocity.			Wind steadiness.		Hygrometry, 8 hrs.				Cloud.		Rainfall.										
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 1915.	Normal rainfall of period, 1st May to 31st October.	Departure from normal of period, 1st May to 31st October 1915.	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.
...	...	...	...	...	83	...	·308	...	...	...	0	...	...	0·10	...	...	24·95	...	...	0·06	Chumbi.
...	...	...	...	...	...	...	...	...	...	...	6	4·8	+1·2	2·18	2·80	−0·62	36·54	33·05	+3·49	0·58	Pemba.
...	...	...	...	...	...	...	...	...	...	...	...	5·6	...	...	4·29	...	...	26·07	...	...	Prison Island.
9·5	...	...	84	...	...	...	...	...	...	...	0	...	...	0	...	...	0	...	...	0	Seistan.

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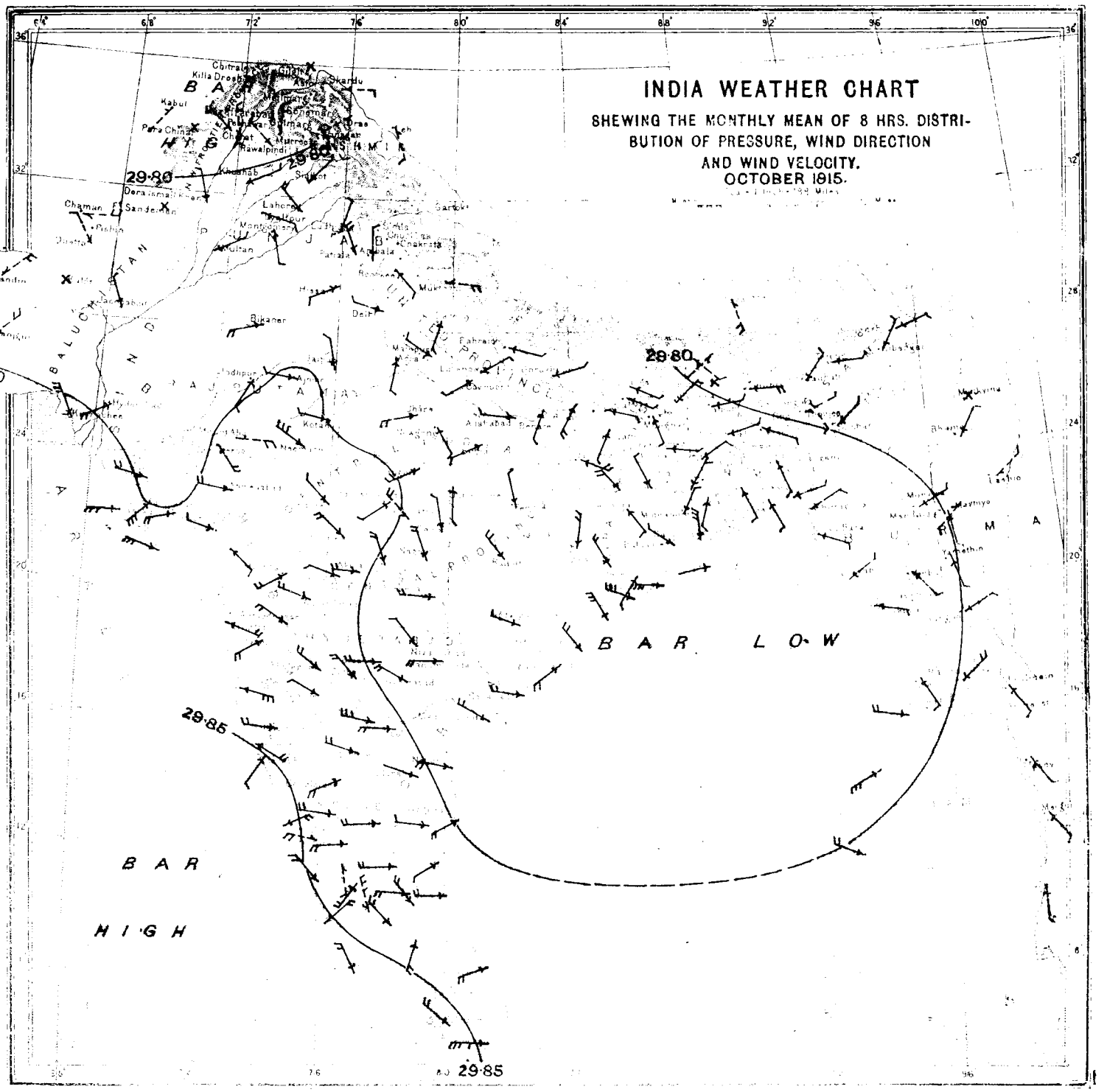


The lines [illegible] chart represent isobars or lines of equal [illegible] ched indicating the barometric pressure in [illegible] drawn for differences of pressure of [illegible] isobars in the [illegible] are filled in by means of the shore observations and by comparison with the [illegible] distribution 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 ,, ,, ,, ,, ,,

Wind strengths are based on factor 2·2 for the standard type of Beckley Robinson anemograph, instead of 3·0 as used for this plate up to December 1911 inclusive.

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.

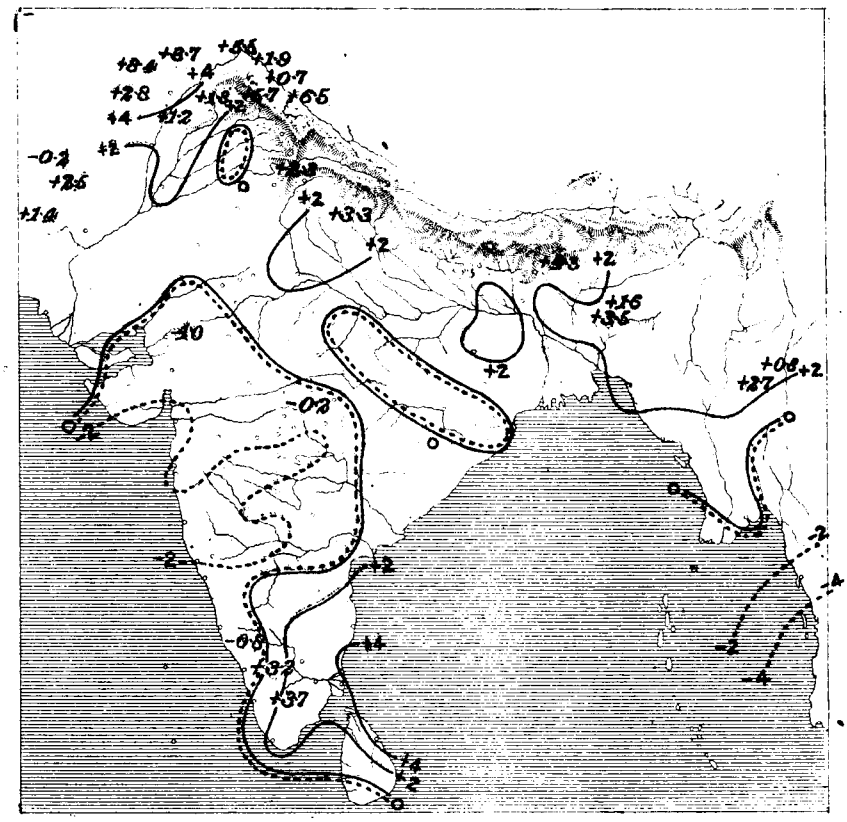


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MINIMUM TEMPERATURE.

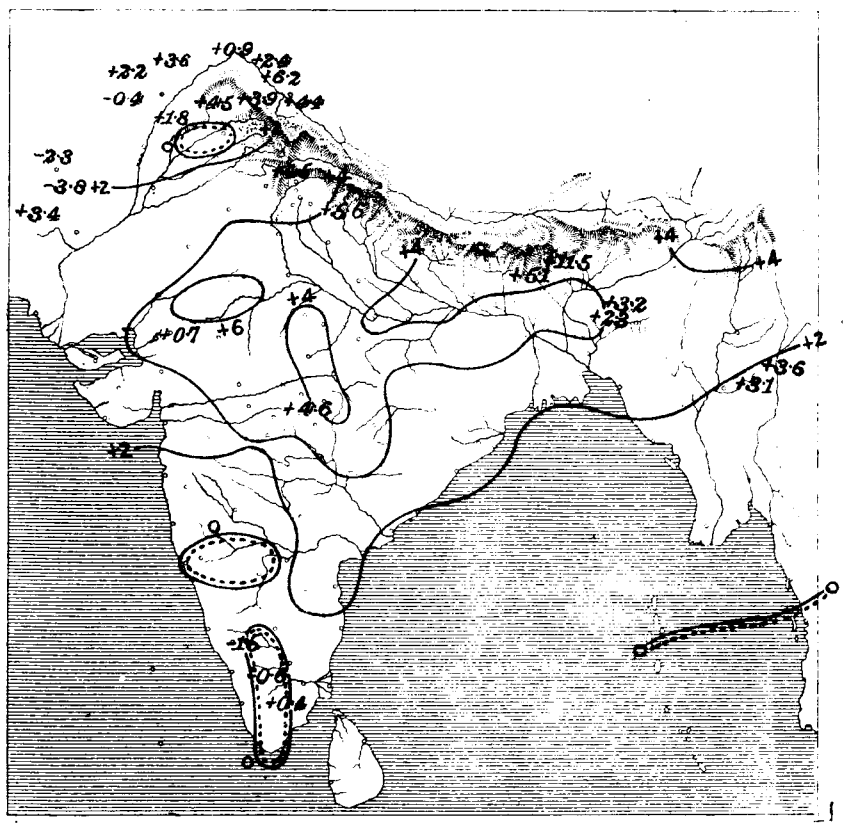


CHART SHEWING THE DEPARTURE FROM NORMAL
OF THE MONTHLY MEAN OF DAILY
MEAN TEMPERATURE.

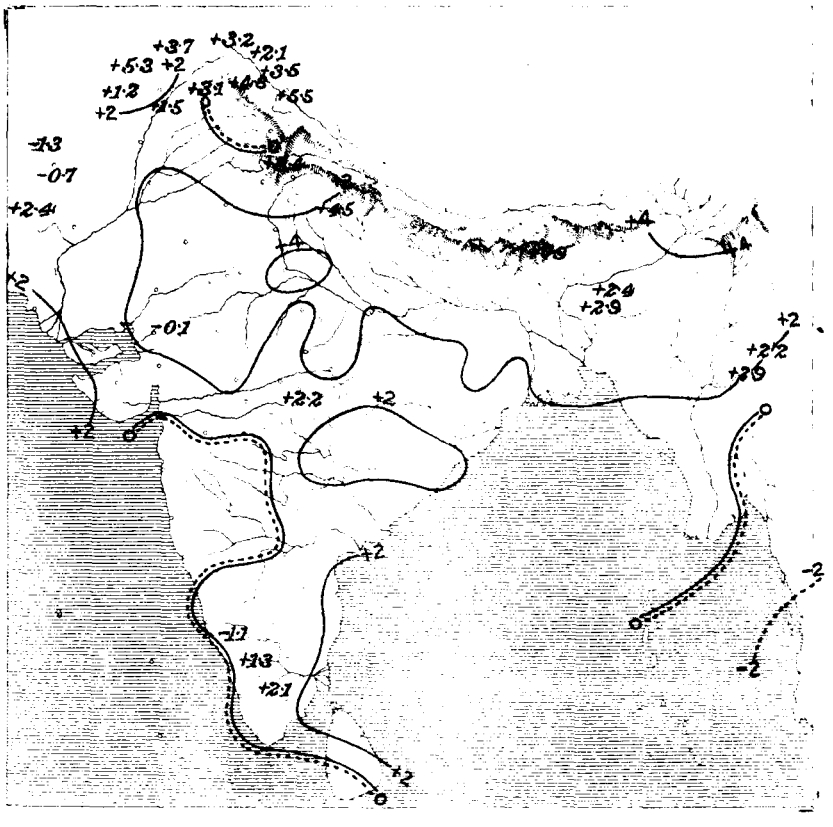


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF ABSOLUTE HUMIDITY AT 8 HRS.

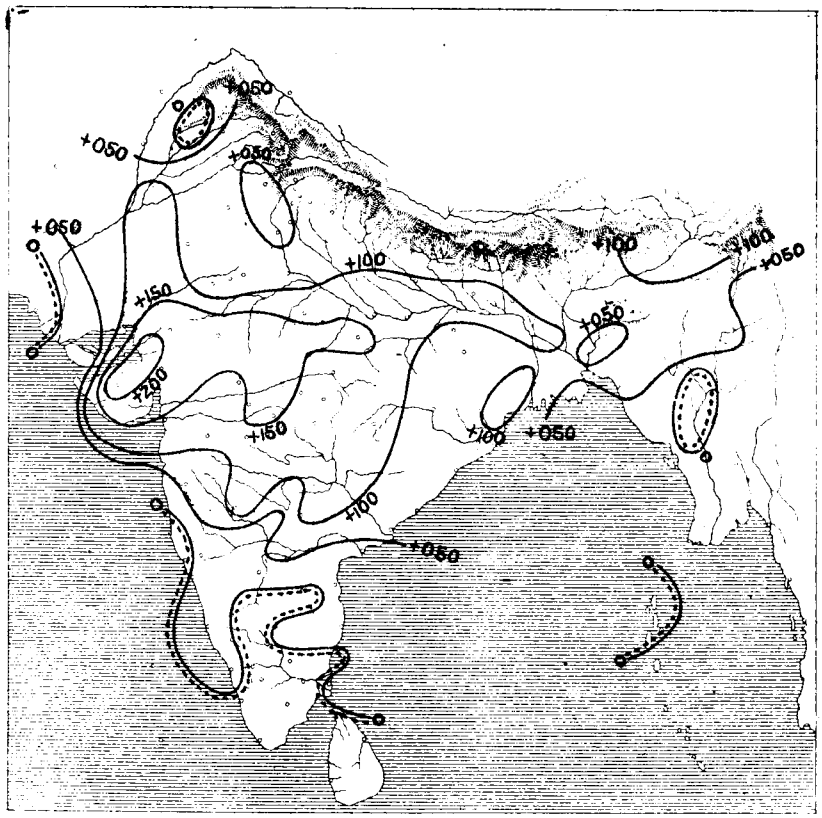


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF RELATIVE HUMIDITY AT 8 HRS.

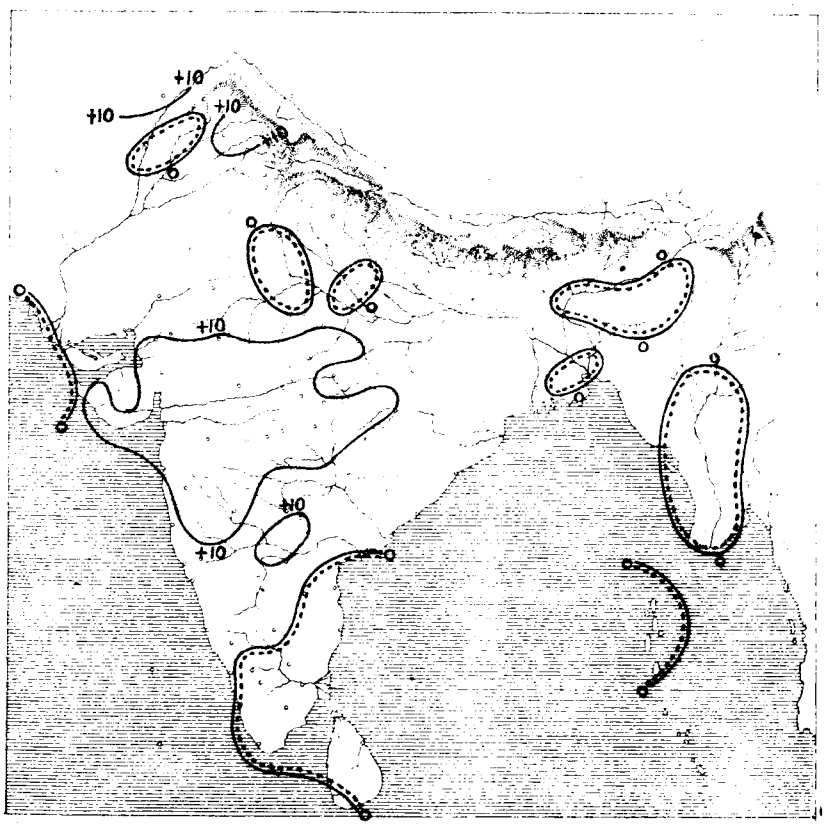


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF CLOUD AMOUNT AT 8 HRS.

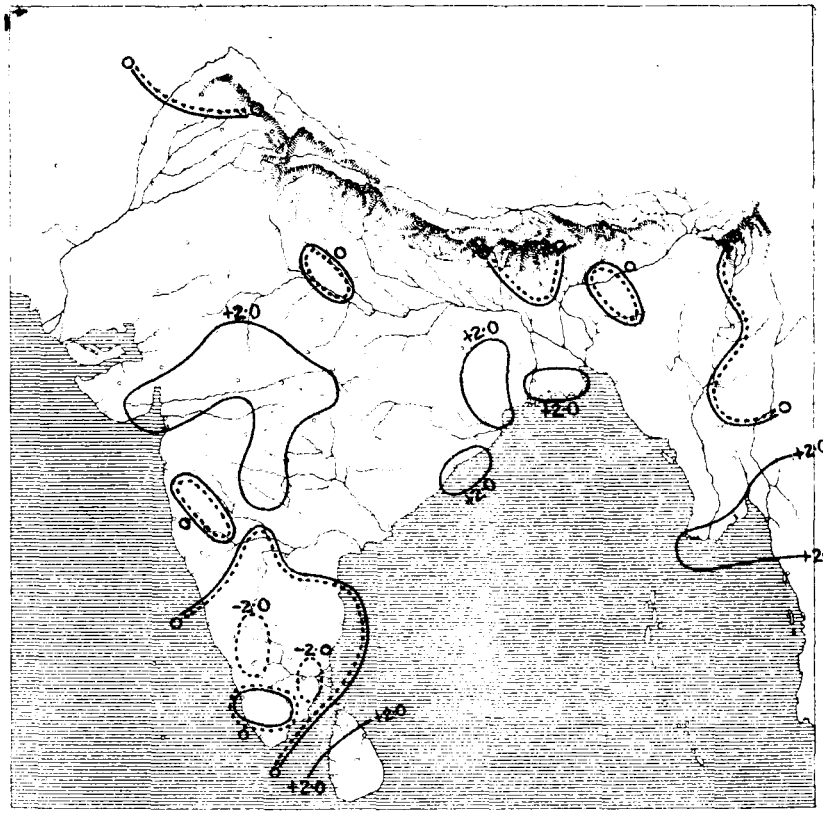
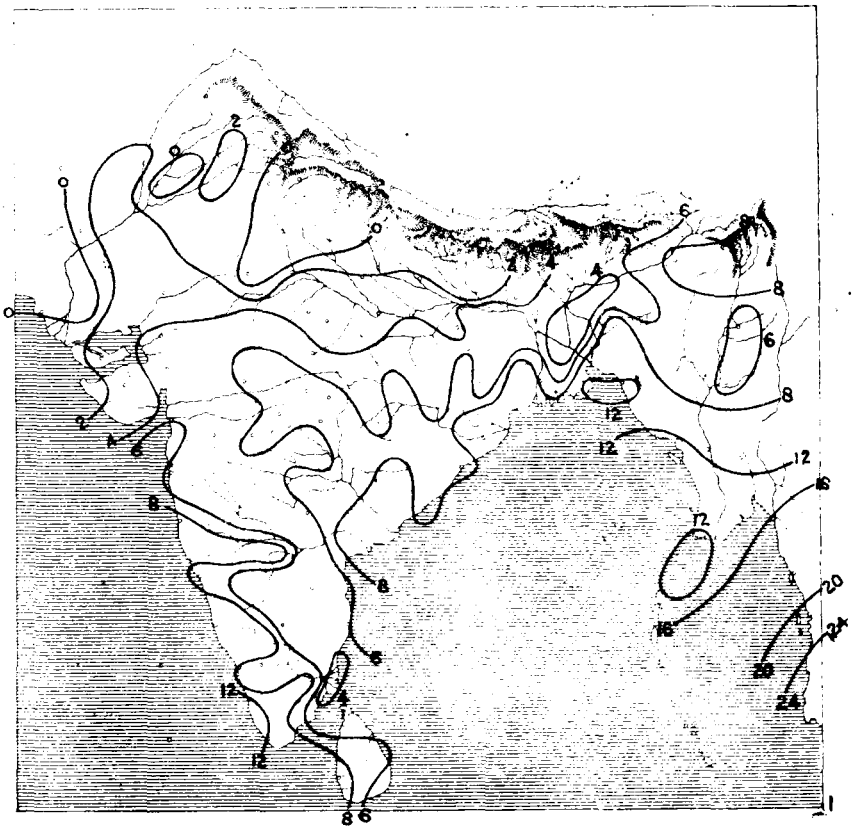
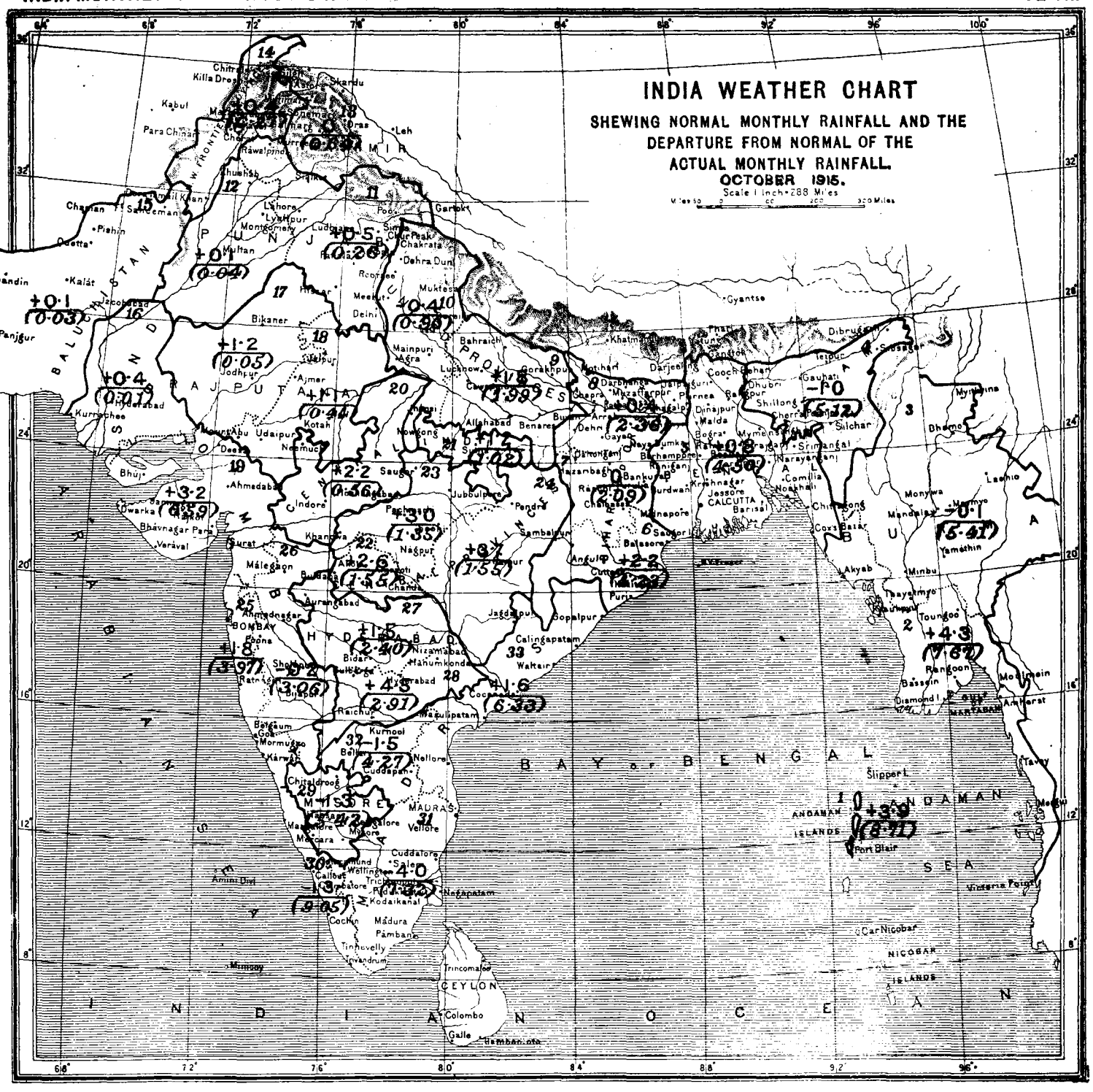


CHART SHEWING THE TOTAL NUMBER OF DAYS IN THE MONTH ON WHICH RAINFALL EQUALLED OR EXCEEDED 0·10 INCH.

(BASED ON THE RETURNS OF TABLE B.)





The country is divided into 33 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. Bengal
6. Orissa
7. Chota Nagpur
8. Bihar
9. United Provinces, East
10. United Provinces, West
11. Punjab, East and North
12. Do., Southwest
13. Kashmir
14. Northwest Frontier Province
15. Baluchistan
16. Sind
17. Rajputana, West
18. Rajputana, East
19. Gujarat
20. Central India, West
21. Do., East
22. Berar
23. Central Provinces, West
24. Do., East
25. Konkan
26. Bombay, Deccan
27. Hyderabad, North
28. Hyderabad, South
29. Mysore
30. Malabar
31. Madras, Southeast
32. Madras, Deccan
33. Madras Coast, North

GOVERNMENT OF INDIA

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MONTHLY WEATHER REVIEW

NOVEMBER 1915.

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GILBERT T. WALKER, C.S.I., M.A., Sc.D., F.R.S.,

Director-General of Observatories.

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Continued on page iii of this cover.

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MONTHLY WEATHER REVIEW.

PUBLISHED BY ORDER OF

THE GOVERNMENT OF INDIA.

CALCUTTA, NOVEMBER, 1915.

INTRODUCTION.

THIS review of the weather in India during the month of November, 1915, is based on observations taken daily at 8 hrs. at 212 stations, and on additional observations taken at 10 hrs. and 16 hrs. at 12 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, magnetic and seismic 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. The retreating monsoon current was more vigorous than usual and provided abundant rainfall in Bengal, Bihar and Orissa and most of the Peninsula. As usually happens when the current is determined to an abnormal degree to the Peninsula there was less rain than usual in Burma and also in Assam. Over the tract of country stretching from the north-west frontier to the western confines of Bihar the weather was drier even than usual. Skies were unusually clear and the air dry in most parts of the rainless region comprising north-west India, the United Provinces and the west of Central India, while over the greater part of the area of excessive rainfall the sky was more cloudy and the air damper than usual Mean temperature differed but little from the normal except in the tract of country stretching north-eastwards from the Bombay Deccan to Assam and Upper Burma, where it was from 3° to 5° higher than usual. The excess occurred chiefly in the night temperature, and was in general associated with the prevalence of unusually heavy cloud and high absolute humidity, induced mainly by the disturbances of the month.

Solar, magnetic and seismic disturbances.

KODAIKANAL OBSERVATORY.

3. *Solar Observations.*—The sun was examined for spots and faculæ on 28 days during the month, but prominences could not be observed on 7 days.

Sunspots.—Nineteen new groups of spots were recorded during the month. The mean daily number was the same as in October, namely, 3·2, but the average life of a spot was only 4·3 days compared with 6·1 days in October. All the spots were small except 2291, which was of a moderate size. It came round the east limb on the 18th and disappeared at the west limb on the 30th. The distribution in latitude was as follows :—

TABLE 1.

—	0°—10°	11°—20°	21°—30°	31°—40°	Mean latitude.	Extreme latitudes.
North . .	...	6	4	2	20°·4	11° & 32°
South . .	...	4	3	...	19°·6	15° & 23°

Prominences.—Sixty-eight large, 4 eruptive, and 2 metallic prominences were observed during the month. A highly eruptive prominence was observed on the 9th extending from the equator to latitude —30° east. The portion from —1° east to —6° east ascended with great velocity and attained a height of 360″ at 9h. 49m. The "C" line showed violent movements in the line of sight as the prominence developed. Another remarkable prominence, 330″ high, was photographed on the 8th extending from +37° west to +47° west.

Magnetic disturbances.—One "great" disturbance was recorded from 19h. 30m. on the 5th to 17h. on the 7th; it was probably due to the formation of spot group 2280 near the central meridian. "Moderate" disturbances were recorded 7 other days.

T. ROYDS,
for *Director*,
Kodaikanal and Madras Observatories.

Seismic records.

$\phi = 10° 13' 50''$; $\lambda = 77° 28' 00''$; $h = 2343$ m. Subsoil Rock.

Apparatus.—Milne's Horizontal Pendulum Seismograph.

TABLE 2.

	V	To		$\frac{r}{To^2}$
AN:				
AE:	9·76	18·1	1	2·6
AZ:				

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude (u). An.	Ae.	Az.	Distance Δ (Km.)	Remarks.
1915		h. m. s.						
Nov. 1st	e P	7 35 06	...	...	...	...	...	
	i L	7 55 36	...	...	...	...	...	
	M	8 8 54	...	...	290	...	...	
	F	10 55 24	...	...	...	...	...	
„ 18th	e P	4 21 30	...	...	...	...	...	
	e L	4 41 18	...	...	...	...	...	
	M	4 45 54	...	...	60	...	...	
	F	5 17 12	...	...	...	...	...	
„ 18th	e P	20 34 06	...	...	...	...	...	
	e L	20 40 30	...	...	...	...	...	
Nov. 18th	M	20 45 24	...	...	50	...	...	
	F	21 6 00	...	...	...	...	...	
„ 20th	e P	15 53 36	...	...	...	...	...	
	e L	15 55 54	...	...	...	...	...	
	M	15 59 30	...	...	50	...	...	
	F	16 13 36	...	...	...	...	...	
„ 21st	e P	1 19 12	...	...	...	...	...	
	e L	1 35 36	...	...	...	...	...	
	M	1 39 42	...	...	190	...	...	
	F	2 39 42	...	...	...	...	...	

T. ROYDS,
Assistant Director.

BOMBAY OBSERVATORY.

Alibag magnetic record.

4. During the month of November 1915 the traces showed 8 calm days, 18 days of small, 3 days of moderate and one day of great disturbance.

The days of the month selected as "quiet" for the purposes of the Magnetic Survey of India are the 4th, 9th, 14th, 24th and 25th.

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	S	10	S	18	M	26	S
3	S	11	S	19	S	27	S
4	C	12	S	20	S	28	S
5	S	13	C	21	S	29	C
6	G	14	C	22	S	30	C
7	S	15	S	23	S	...	...
8	S	16	M	24	C	...	...

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

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 the declination for the month are as follows:—

Easterly declination	0° 39′ 18″.
Horizontal force	0·36854 C.G.S. unit.
Vertical force	0·16721 C.G.S. „
Inclination	24° 24′·3.
Horizontal force range . . .	0·00047 C.G.S. unit.
Horizontal force summed range . .	0·00265 C.G.S. „
Declination range	2′·2.
Declination summed range . .	10′·5.

(NOTE.—Summed range means sum without regard to sign of the twenty-four ordinates of the diurnal inequality.)

Seismic records.

$\phi = 18\ 53'\ 36''$; $\lambda = 72°\ 48'\ 56''$; $h = 11$ m. Subsoil Trap.

Apparatus.—Milne's Horizontal Pendulum Seismograph.

TABLE 4.

	V	To		$\frac{r}{To^2}$
AN:				
AE:	9	21	1	
AZ:				

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude (u). An.	Ae.	Az.	Distance Δ (Km.)	Remarks.
1915.		h. m. s.						
Nov. 1st	P	7 34 32	...	...	...	...	...	
	M	8 5 16	...	...	333	...	...	
	F	.....	...	...	...	...	...	End mixed in the beginning of the following disturbance.
„ 1st	P	.....	...	...	...	...	...	Beginning mixed in the end of the preceding disturbance.
	M	9 42 59	...	...	78	...	...	
	F	10 31 56	...	...	...	...	...	
Nov. 1st	F	10 31 56	...	...	...	...	...	
„ 4th	...	4 27 0	...	...	...	...	...	Thickening of line.
„ 8th	...	12 10 0	...	...	...	...	...	„
„ 14th	...	19 39 0	...	...	...	...	...	„
„ 18th	P	4 19 52	...	...	...	...	...	
	M	4 45 40	...	...	67	...	...	
	F	5 7 58	...	...	...	...	...	
„ 18th	P	.....	...	...	...	...	...	Commencement uncertain.
	M	20 50 14	...	...	56	...	...	
	F	21 8 10	...	...	...	...	...	
		h. m. h. m.						
„ 20th	...	15 57 to 16 3	...	...	...	...	...	Thickening of line.
„ 20th	P	1 13 42	...	...	...	...	...	
	M	1 32 54	...	...	56	...	...	
	F	2 14 15	...	...	...	...	...	
„ 25th	...	20 24 0	...	...	...	...	...	Thickening of line.
„ 30th	...	6 36 0	...	...	...	...	...	„
„ 30th	...	18 10 to 15 m.	...	...	...	...	...	„
„ 30th	P	20 8 7	...	...	...	...	...	
	M	20 9 50	...	...	33	...	...	
	F	20 13 22	...	...	...	...	...	

Sensibility to tilt 1·0 mm. of amplitude on the trace = 0·29″.

N. A. F. MOOS,

Director,

Bombay and Alibag Observatories.

5.—CALCUTTA (ALIPORE) OBSERVATORY.

Seismograph dismantled.

6. SIMLA OBSERVATORY.

Seismic records.

$\phi = 31° 6' 0''$; $\lambda = 77° 11' 0''$; $h = 2433{\cdot}5$ m. Subsoil Rock.

Apparatus.—Two Omori—Ewing Horizontal Pendulum Seismographs. (Masses 50 Kg.).

TABLE 5.

	V	To	ϵ	$\frac{r}{To^2}$
AN :	14	45	1	
AE :	14	45	1	
AZ :				

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude (u) An.	Ae.	Az.	Distance Δ (Km.)	Remarks.
1915.		h. m. s.						
Nov. 1st	P	7 33 12	...	...	...	...	...	
	S	7 40 48	...	...	...	...	...	
	L	7 52 25	...	...	...	...	...	
	M_1	7 57 48	15	225	...	...	...	
	M_2	9 34 18	14	43	...	...	...	M_2 may be due to an after shock.
	F	10 39 30	...	...	...	...	...	
„ 4th	i	3 43 00	...	...	...	...	...	
	F	3 59 00	...	...	...	...	...	Very slight tremors.
„ 18th	i	4 18 42	...	...	...	...	...	
	e L	4 32 30	...	...	...	...	...	
	M	4 36 18	15	36	25	...	...	
	F	5 45 00	...	...	...	...	...	
„ 19th	i P	13 58 42	...	...	...	...	...	
	F	13 59 54	...	...	...	...	...	Very slight local shock.
„ 21st	e	0 48 30	...	...	...	...	...	
	M	1 31 00	17	21	7	...	...	
1915. Nov. 21st	F	h. m. s. 2 21 30	...	...	...	...	...	
„ 26th	P	20 7 00	...	...	...	...	...	
	S	20 7 24	...	...	...	...	...	
	L & M	20 7 36	...	29	11	...	...	
	F	20 15 06	...	...	...	...	...	
„ 30th	e	20 12 00	...	...	...	...	...	
	F	20 45 00	...	...	...	...	...	Very slight tremors.

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

TABLE 6.

Place at which felt.	Date.	G. M. T. of earthquake.	Duration.	Intensity Rossi-Forel scale.	No. of shocks.
		h. m.	sec.		
Chaman	Nov. 8th	12 47	15	3	1
Srinagar	„ 8th	16 34	5	7	1
Borjuli (Darrang district, Assam).	„ 14th	1 19	64	8	2
Shillong	„ 14th	1 22	1	5	2
Gauhati	„ 14th	1 27	30	7	2
Salonah (Nowgong district, Assam).	„ 14th	1 36	15	6	1
Drosh	„ 16th	17 00	3	3	1
Toungoo	„ 19th	3 4	3	3	2
Cherat	„ 26th	20 8	3	5	1
Drosh	„ 26th	20 8	12	6	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	1·52
Minimum	1·41
Mean	1·46
Number of days of observation . . .	10

C. W. NORMAND,

Imperial Meteorologist, Simla.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

7. No information has been received.

Weather in the Indian Ocean.

8. The deficiency of pressure prevailing over the Indian region did not extend appreciably southwards, for at the latitudes of Zanzibar and Seychelles the barometer read somewhat higher than usual. Winds were weak but approximately normal in direction at Zanzibar, and were strong at Seychelles where the direction differed largely from the normal. Rainfall was about the average.

TABLE 7.

—	Mauritius.	Zanzibar.	Seychelles.
Departure from normal of mean pressure		+·014	+·005
Actual mean wind direction . .		S 33° E	N 56° E
Normal mean wind direction . .		S 45° E	S 56° E
Actual mean wind velocity (miles per diem).		55	103
Normal mean wind velocity (miles per diem).		82	93
Rainfall departure from normal . .		+0·75	+0·47

Depressions and cyclonic storms.

9. Three disturbances were developed over the Bay of Bengal in the course of the month. The first of these was generated probably near the Andamans at the beginning of the month, and thence travelled along a westerly path to the Coromandel coast which it crossed near Nellore during the 5th. It was central near Bellary on the morning of the 6th, and by 8 hrs. of the 7th had passed out into the Arabian Sea in the neighbourhood of Goa. Very little information is available at present for the Arabian Sea, and it is not now possible to follow the further career of the disturbance with any certainty. From a report received from the Hospital ship *Takada* it would appear that the disturbance lay off Bombay on the 8th. Although the storm was of considerable intensity the rainfall associated with it was comparatively light and was confined to the coasts round the Bay, the Madras Deccan, south Hyderabad, the Bombay Deccan and the west coast of the Peninsula. The second disturbance appeared over the south-west of the Bay on the 12th and advancing northwards parallel to the coast was dissipated off Orissa on the 17th. It was not quite as deep as its predecessor, but gave rise to widespread and heavy rainfall in the south and east of the Peninsula and in lower Bengal. It is extremely unusual for storms to break up in this manner, only one or two similar occurrences having been recorded during the past forty years. The last disturbance became visible to the north-east of Ceylon on the 21st, and by the morning of the 22nd had passed into central Madras. Although very feeble it was the cause of some heavy rain in south and east Madras.

Pressure.

10. The barometer read lower than usual almost everywhere in the plains; the deficiency averaged about ·015″ in northern India, ·023″ in Burma and ·05″ in the Peninsula, and was attributable in part at least to the prevailing high temperature.

TABLE 8.

DIVISION.	Departure from normal of mean 8 hrs. pressure.	Departure from normal of mean temperature.
	″	°
Burma	—·023	+1·6
Assam	—·013	+3·2
Bengal	—·017	+3·4
Bihar and Orissa	—·026	+3·1
United Provinces	—·002	+1·3
Punjab	—·001	+0·1
North-West Frontier Province . . .	—·019	+0·3
Sind	—·009	+0·9
Rajputana	—·018	+0·6
Bombay	—·047	+2·1
Central India	—·023	+1·6
Central Provinces	—·041	+3·2
Hyderabad	—·057	+3·0
Mysore	—·046	+1·4
Madras	—·058	+1·4

The deficiency was on the whole appreciably less at the level of the hill stations, an indication that the deficient pressures in the plains were due in great part to the reduced density of the lower atmosphere.

TABLE 9.

HILL STATION.	Departure from normal pressure. A	PLAIN STATION.	Departure from normal pressure. B	Departure of pressure difference. B—A.
	"		"	"
Quetta	—·025	Jacobabad	+·005	+·030
Leh	+·020	Lahore	—·002	—·022
Murree	+·008	Peshawar	—·019	—·027
Simla	+·025	Ludhiana	+·007	—·018
Darjiling	+·028	Dhubri	—·007	—·035
Mount Abu	—·022	Deesa	—·023	—·001
Pachmarhi	—·045	Khandwa	—·034	+·011
Kodaikanal	—·022	Madura	—·062	—·040

Temperature.

11. Maximum temperature was, on the mean of the month, about 3° higher than usual in Baluchistan, Kashmir, the Sikkim Himalayas and parts of Upper Burma, and very nearly normal over the rest of the Indian region. Minimum temperature varied slightly but irregularly from the average in north-west India, Lower Burma and the southern coast districts of Madras, but in the rest of the country it was above the normal, the excess amounting to 6° in Orissa, Chota Nagpur and the east of the Central Provinces, and between 4° and 5½° in Assam, Bengal, Bihar, Berar, the Central Provinces West, the Bombay Deccan, Hyderabad and the Madras Deccan.

A reference to Plate III will show that the region of high minimum temperature coincided roughly with that of excessive cloud and vapour tension.

The high temperature conditions persisted through a large part of the month, being most marked between the 19th and the 26th.

At some stations in Bengal, the maximum temperature has passed the limit previously reached in November :—

TABLE 10.

STATION.	Highest maximum temperature recorded in November 1915.	Highest maximum temperature on record in November previous to 1915.
	°	°
Cox's Bazar	91·1	89·3
Mymensingh	90·2	89·3
Bogra	91·5	91·2
Jalpaiguri	89·6	87·9
Saugor Island	90·3	88·9
Calcutta	90·6	90·2

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	86·1	77·7	81·9	8·3	13·2	+0·1	+0·5	—0·4
2. Lower Burma	86·5	73·0	79·8	13·5	22·0	+0·3	+1·1	—0·8
3. Upper Burma	86·2	66·8	76·5	19·4	30·8	+2·5	+3·0	—0·5
4. Assam	84·5	65·2	74·9	19·3	32·2	+2·4	+4·0	—1·6
5. Bengal	85·1	68·7	76·8	16·4	31·5	+2·2	+4·6	—2·4
6. Orissa	84·2	70·0	77·1	14·2	31·5	—0·3	+6·4	—6·7
7. Chota Nagpur	83·1	62·9	73·1	20·2	38·3	+1·6	+6·0	—4·4
8. Bihar	83·7	64·1	73·9	19·6	36·4	+1·3	+4·4	—3·1
9. United Provinces, East	84·1	58·2	71·1	25·9	40·1	+0·9	+2·5	—1·6

Sub-division.	Actual temperature.					Departure from normal of		
	Mean maximum.	Mean minimum.	Monthly mean of mean between maximum and minimum.	Mean daily range of temperature.	Absolute range during month.	Maximum.	Minimum.	Daily range.
	°	°	°	°	°	°	°	°
10. United Provinces, West	84·4	54·2	69·3	30·2	44·9	+0·8	+0·4	+0·4
11. Punjab, East and North	83·3	49·6	66·5	33·8	49·6	+1·3	—0·9	+2·2
12. Do., South-west	85·2	50·2	67·7	34·9	52·2	+1·1	—1·2	+2·3
13. Kashmir	61·2	30·9	46·1	30·2	44·3	+3·3	—0·2	+3·5
14. North-West Frontier Province	81·3	46·3	63·8	35·1	49·3	+1·4	—0·9	+2·3
15. Baluchistan	76·5	40·7	58·6	35·8	49·4	+3·2	—1·4	+4·6
16. Sind	88·3	59·6	74·0	28·7	44·7	+1·3	+0·5	+0·8
17. Rajputana, West	88·9	57·9	73·4	30·9	46·9	0	+1·9	—1·9
18. Do., East	86·6	56·6	71·6	30·0	44·0	+0·4	+0·5	—0·1
19. Gujarat	92·4	65·1	78·8	27·3	38·1	+2·1	+2·2	—0·1
20. Central India, West	86·3	57·9	72·0	23·4	39·5	+1·9	+3·3	—1·4
21. Do., East	81·5	54·9	68·2	26·7	44·5	—0·3	+1·3	—1·6
22. Berar	87·3	64·9	76·1	22·5	34·4	+2·1	+5·5	—3·4
23. Central Provinces, West	84·9	60·5	72·7	24·4	38·8	+1·4	+4·2	—2·8
24. Do., East	83·5	64·2	73·9	19·3	35·6	+1·0	+5·7	—4·7
25. Konkan	88·0	74·1	81·1	13·9	22·0	0	+2·7	—2·7
26. Bombay Deccan	86·5	64·0	75·3	22·6	35·5	+0·5	+4·5	—4·0
27. Hyderabad, North	85·8	65·6	75·7	20·1	33·2	+0·9	+5·5	—4·6
28. Do., South	86·7	69·0	77·9	17·7	31·7	+0·6	+5·1	—4·5
29. Mysore	81·3	65·4	73·3	15·9	24·4	—0·1	+2·9	—3·0
30. Malabar	85·4	74·9	80·1	10·6	16·7	—0·9	+1·2	—2·1
31. Madras, South-east	86·8	73·7	80·3	13·1	21·6	+0·9	+2·1	—1·2
32. Do. Deccan	87·1	71·2	79·1	15·9	28·7	—1·0	+4·8	—5·8
33. Do. Coast, North	84·5	74·1	79·3	10·4	23·7	+0·2	+3·7	—3·5

TABLE 12.

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

Winds.

12. (*a*) There was a strong westerly component in the mean wind direction on the coast from Madras to Pamban, and an undue easterly element in Chota Nagpur and lower Bengal. Over the rest of the country the deviations from the normal type were irregular and of no great significance. (*b*) Winds were weaker and less steady even than usual in Bombay and over most of northern India, and were abnormally strong and steady in the Central Provinces and Hyderabad. In Madras and Mysore the rate of air movement was up to the average, but the steadiness was low.

TABLE 13.

Division.	Departure from normal of	
	Hourly wind velocity.	Wind steadiness.
Burma	+0·3	− 3
Assam	—0·2	+ 4
Bengal	—0·2	— 7
Bihar and Orissa	+0·1	— 2
United Provinces	—0·3	— 7
Punjab	—0·2	+ 4
North-West Frontier Province	—0·9	− 1
Sind	—0·8	— 3
Rajputana	—1·0	— 2
Bombay	—0·7	— 5
Central India	—0·2	— 4
Central Provinces	+0·8	+18
Hyderabad	+0·7	+22
Mysore	0	—44
Madras	+0·2	—11

Humidity and cloud.

13. Absolute humidity or vapour tension was in defect over north-west India, and above normal over the rest of the Indian region. The relative humidity was almost equal to the normal in Burma, Assam, Bengal and Bihar, but elsewhere it had a distribution very similar to that of absolute humidity.

Cloud amount was in defect in the north-west where humidity was low, and about normal or in excess in nearly all other places. The excess was most marked in Chota Nagpur, Orissa, the Circars and Hyderabad, the region of the greatest departure from normal of absolute humidity.

TABLE 14.

Division.	Hygrometry; 8 hrs.				Cloud.	
	Mean humidity.	Departure from normal.	Mean vapour tension in inches of mercury.	Departure from normal.	Mean cloud amount at 8 hrs.	Departure from normal.
	%					
Burma	85	0	·739	+·027	4·4	+0·4
Assam	88	0	·665	+·077	3·8	+1·1
Bengal	84	+ 1	·700	+·076	3·3	+1·4
Bihar and Orissa	80	+ 5	·617	+·113	3·5	+2·1
United Provinces	68	— 2	·430	+·018	0·4	—0·4
Punjab	61	— 1	·289	—·022	0·3	—1·0
North-West Frontier Province.	67	+ 1	·260	—·027	0·4	—1·5
Sind	55	— 4	·367	—·061	0	—1·3
Rajputana	37	—13	·226	—·081	0·1	—1·0
Bombay	62	+ 2	·541	+·041	2·0	+0·6
Central India	61	+ 2	·380	+·014	1·0	—0·1
Central Provinces	67	+ 6	·508	+·093	2·6	+0·9
Hyderabad	71	+ 8	·608	+·112	4·2	+2·0
Mysore	81	+ 6	·606	+·049	6·5	+1·6
Madras	84	+ 5	·798	+·073	5·8	+1·3

Rainfall.

14. There was little or no rain in north-west India, the United Provinces and Central India East, areas where only a few cents are recorded even under normal conditions. The total measurements fell short of the normal also in Burma, Assam, Berar, the Central Provinces West and Hyderabad North, the defect being greatest actually in Upper Burma,

where it averaged three-quarters of an inch in amount. The usual monthly aggregate was on the other hand exceeded largely in Madras, Mysore and Bihar and Orissa, and slightly in the Bay Islands, Bengal, the Central Provinces East and the Bombay Deccan. In Persia where ordinarily winter rains set in early in November the weather was unusually dry during nearly the whole month.

TABLE 15.

Sub-division.	Number of rainy days.		Rainfall.			
	Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
			"	"	"	
1. Bay Islands	10·5	9·3	8·26	7·75	+0·51	+ 7
2. Lower Burma	2·9	3·4	2·16	2·50	0·34	— 14
3. Upper Burma	2·2	3·0	1·25	1·98	—0·73	— 37
4. Assam	0·8	1·5	0·40	0·91	—0·51	— 56
5. Bengal	1·6	0·8	1·00	0·67	+0·33	+ 49
6. Orissa	5·8	1·0	8·43	0·81	+7·62	+941
7. Chota Nagpur	2·5	0·4	1·78	0·20	+1·58	+790
8. Bihar	1·2	0·3	1·54	0·18	+1·36	+756
9. United Provinces, East	0·1	0·3	0·04	0·16	—0·12	— 75
10. Do., West	0	0·2	0	0·11	—0·11	—100
11. Punjab, East and North	0	0·2	0	0·10	—0·10	—100
12. Do., South-west	0	0·2	0	0·09	—0·09	—100
13. Kashmir	0·1	0·6	0·01	0·28	—0·27	— 96
14. North-West Frontier Province	0	0·5	0	0·34	—0·34	—100
15. Baluchistan	0	0·6	0	0·22	—0·22	—100
16. Sind	0	0·1	0	0·07	—0·07	—100
17. Rajputana, West	0	0·1	0	0·07	—0·07	—100
18. Do., East	0	0·2	0	0·11	—0·11	—100
19. Gujarat	0·1	0·3	0·02	0·18	—0·16	— 89
20. Central India, West	0·3	0·3	0·12	0·18	—0·06	— 33
21. Do., East	0	0·4	0·01	0·28	—0·27	— 96
22. Berar	0·8	0·8	0·29	0·52	—0·23	— 44
23. Central Provinces, West	0·7	0·6	0·26	0·41	—0·15	— 37
24. Do., East	1·0	0·6	0·61	0·44	+0·17	+ 39
25. Konkan	1·6	1·3	0·78	0·78	0	0
26. Bombay Deccan	1·5	1·3	1·22	0·76	+0·46	+ 61
27. Hyderabad, North	1·3	1·2	0·59	0·76	—0·17	— 22
28. Do., South	2·9	1·7	0·94	0·94	0	0
29. Mysore	6·5	3·3	3·48	2·12	+1·36	+ 64
30. Malabar	10·8	5·2	9·83	3·87	+5·96	+154
31. Madras, South-east	11·2	7·6	9·97	6·42	+3·55	+ 55
32. Do. Deccan	5·7	3·0	5·29	1·92	+3·37	+176
33. Do. Coast, North	9·7	3·2	9·72	3·20	+6·52	+204

TABLE 16.

Division.	Rainfall.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Burma	1·61	2·18	—0·57	— 26
Assam	0·40	0·91	—0·51	— 56
Bengal	1·00	0·67	+0·33	+ 49
Bihar and Orissa	3·30	0·34	+2·96	+871
United Provinces	0·02	0·13	—0·11	— 85
Punjab	0	0·09	—0·09	—100
North-West Frontier Province	0	0·34	—0·34	—100
Sind	0	0·07	—0·07	—100
Rajputana	0	0·10	—0·10	—100
Bombay	0·76	0·58	+0·18	+ 31
Central India	0·07	0·23	—0·16	— 70
Central Provinces	0·40	0·45	—0·05	— 11
Hyderabad	0·77	0·85	—0·08	— 9
Mysore	3·48	2·12	+1·36	+ 64
Madras	9·33	4·70	+4·63	+ 99
Mean of India	1·64	1·03	+0·61	+ 59

Snowfall.

I.—AFGHANISTAN.

15. A slight fall was visible on the peaks of the Shakardara range on the 13th.

II.—NORTH-WEST FRONTIER PROVINCE.

Wano } No snow fell.
Kurram }

III.—KASHMIR.

(*a*) *Srinagar.*—No snow fell in the valley or on the surrounding mountains.

(*b*) *Skardu.*—No snowfall occurred in this locality.

(*c*) *Dras.*—There was a slight fall on the 14th.

(*d*) *Kargil.*—Snow fell on most of the surrounding hills on the 13th, 14th and 15th, and on the Archulla also on the 29th. The total fall amounted to 1¾ feet on the Archulla, 1 foot on the Nakthula and 4 inches on the Barulla. At the close of the month the unmelted residue of the accumulations was estimated at 2¼ feet on the Archulla, 6 inches on the Nakthula and about an inch on the Barulla.

IV.—PUNJAB.

Kilba (*Simla Hills*).—No snow fell on the passes near Kilba.

V.—UNITED PROVINCES.

Almora.—The total fall of the month was estimated at about 1 foot in Chaudas and on the Lampia pass and at 8 inches on the Lipulekh. There was a mere sprinkling in Mallas Danpur and Darma and none at all in Malla Johar. The snowline descended from the perpetual snows to a distance of 6 or 7 miles in Byans, 3 to 4 miles in Malla Danpur and ½ mile in Chaudas and Malla Darma.

TABLE 17.

Name of pass or peak.	Depth of accumulation at the end of the month.	
	Reported.	Normal.
	Feet.	Feet.
Nuwe pass	8	19½
Pindari peak	½	1½
Untadhura	3	8
Ralamdhura	1	6½
Binkaru pass	2½	16
Lipulekh "	5½	4
Lampia "	7½	7

VI.—SIKKIM.

There was a slight fall on the 18th at Gyantse.

SUMMARY.

16. According to the available information there was decidedly less snowfall than usual in November.

HEM RAJ.

Table A.—Abstract of observations taken at 10 hrs. and 16 hrs. at 12 stations in India, etc., in November, 1915.

Table

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

Number of sub-division.	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
	III.—Bengal.																					
5	Calcutta . .	21	29·887	29·774	·113	29·927	—·037	29·894	84·6	70·4	14·2	90·6	60·2	30·4	80·1	81·8	76·9	+4·5	68·4	72·4	73·0	71·3
	VI.—Punjab.																					
11	Lahore . .	702	29·336	29·242	·094	29·281	—·005	29·967	83·3	48·5	34·8	91·4	42·1	49·3	70·4	82·1	63·9	+0·7	46·4	58·0	63·6	56·0
	IX.—Rajputana.																					
18	Jaipur . .	1,431	28·590	28·494	·096	28·533	—·029	29·914	86·6	55·3	31·3	93·0	47·1	45·9	79·3	84·7	69·3	+0·4	47·3	58·9	60·7	55·6
	X.—Bombay.																					
25	Bombay . .	37	29·917	29·808	·109	29·859	—·054	29·835	88·1	75·9	12·2	91·7	72·1	19·6	81·9	84·2	81·2	+1·9	68·9	74·7	76·8	73·5
	XIV.—Mysore.																					
29	Bangalore . .	3,021	26·964	26·857	·107	26·910	—·037	29·767	80·0	64·4	15·6	85·3	58·8	26·5	74·7	76·7	71·2	+1·6	62·8	67·6	67·8	66·1
	XV.—Madras.																					
31	Pudukkottai .	318	29·614	29·495	·119	29·555		29·802	88·4	73·7	14·7	94·1	71·4	22·7	82·3	84·4	81·1			75·0	75·0	
	Madras . .	22	29·903	29·798	·105	29·853	—·073	29·805	86·0	74·0	12·0	92·7	71·4	21·3	81·7	82·2	79·2	+1·3	72·8	76·5	76·7	75·3
	Hill stations, excluding Kashmir and Baluchistan.																					
	Sarain . . .		23·270	23·202	·068	23·226		23·189	60·3	34·5	25·8	65·9	29·1	36·8	49·9	47·2	46·9			42·1	40·8	
	Kalabagh . .																					
	Katmandu . .	4,388	25·831	25·721	·110	25·773	+·075†	25·727	75·1	49·3	25·8	80·4	42·7	37·7	63·0	70·5	61·7	+3·9†	46·9	56·4	59·4	54·2
	Kodaikanal . .	7,688	22·845	22·772	·073	22·809		22·744	61·8	51·7	10·1	67·1	47·9	19·2	58·7	56·9	56·7		50·1	56·3	55·2	53·9
	Dodabetta . .	8,539?																				
	Extra India.																					
	Seychelles . .	15	29·984	29·884	·100	29·947	+·005†	29·885	83·4	77·3	6·1	85·1	74·5	10·6	81·8	82·3	79·0	+1·4†	71·3	76·0	76·2	74·5
	Mauritius . .	181				29·890	+·020	30·018	83·4	67·5	15·9	87·6	59·2	28·4			74·7	—0·2				67·9

N.B.—Elevations in Italics indicate barometric 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.

† Departure from old normal.

A.

at 12 stations in India, etc., in November, 1915.

Vapour tension in inches of mercury.					Humidity.					Cloud.				Wind direction.											Wind steadiness		Wind velocity.		Rainfall.		Station.	Number of sub-division.
														Total number of 10 hrs. and 16 hrs. winds from																		
From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean 10 hrs.	Mean 16 hrs.	Mean of two previous columns.	Departure from normal.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Mean wind direction.	Normal mean wind direction of month.	Average percentage.	Normal percentage.	Mean velocity in miles per diem.	Normal.	Total rainfall for the month.	Heaviest rainfall during the month.		
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
																															III.—Bengal.	
·677	·699	·700	·707	+·129	89	67	5	77	+ 3	3·5	4·7	4·1	+1·6	8	8	12	6	3	1	3	2	17	N 1° E	N 12° W	39	58	48	44	2·33	1·16	Calcutta.	5
																															VI.—Punjab.	
·289	·320	·342	·313	—·003	84	43	31	57	0	0·3	0·2	0·3	−1·2	48	0	1	0	0	0	0	2	9	N 48° W	N 42° W	18	18	12	23	0	0	Lahore.	11
																															IX.—Rajputana.	
·230	·249	·235	·239	—·058	52	25	20	37	−10	0	0	0	−1·5	7	6	12	9	2	3	4	4	13	N 10° E	N 24° W	28	35	40	47	0	0	Jaipur.	18
																															X.—Bombay.	
·616	·763	·819	·758	+·042	69	70	70	74	+ 1	2·0	2·5	2·3	+0·6		1	10	16	3	0	0	12	18	N 5° E	N 18° E	32	51	125	168	0·02	0·01	Bombay.	25
																															XIV.—Mysore.	
·555	·591	·577	·587	+·048	92	70	64	78	+ 3	6·6	6·7	6·7		1	7	14	17	6	1	3	3	8	N 53° E	N 60° E	42	68	122	88	3·31	1·00	Bangalore.	29
																															XV.—Madras.	
	·769	·741				70	64			7·7	8·5	8·1		14	5	8	9	4	3	4	1	12	N 26° E		20		84		5·83	1·81	Pudukkottai.	31
·789	·842	·846	·846	+·050	95	79	78	87	+ 3	6·6	6·0	6·3	+0·4		14	12	12	7	2	3	4	6	N 40° E	N 27° E	39	62	84	114	20·77	2·84	Madras.	
																															Hill stations, excluding Kashmir and Baluchistan.	
	·190	·192				52	58			0·8	1·1	0·9																	0	0	Sarain.	
																															Kalabagh.	
·296	·384	·381	·354	+·018	83	67	51	71	− 4	2·3	3·6	2·9	+0·3	0	0	0	16	0	0	0	44	0	W	N 81° W	47	42	9	10	0	0	Katmandu.	
·347	·431	·418	·399		91	87	91	90		8·3	9·5	8·9		0	9	11	4	6	4	1	10	15	N 17° W		32		164		8·03	1·22	Kodaikanal.	
																															Dodabetta.	
																															Extra India.	
·689	·826	·825	·805	−·031	73	76	75	78	− 5	4·9	5·5	5·2	−1·7†	16	3	4	6	11	3	2	2	13	N 56° E	S 56° E	8	14	103	93	10·88	3·93	Seychelles	
			·575	−·025				67	− 3			5·3	+0·3										S 81° E	S 83° E			204		0·64	0·17	Mauritius.	

† Departure from old normal.

Table B.—Abstract of observations taken at 8 hrs. at 212 stations in India, etc., in November, 1915.

(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 2,300 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	—·023	86·4	+1·3	70·5	+2·0	78·4	+1·6	15·9	25·6	+0·3	—3	85	0	·739	+·027	4·4	+0·4	1·61	2·18	—0·57
Assam	—·013	84·5	+2·4	65·2	+4·0	74·9	+3·2	19·3	32·2	—0·2	+4	88	0	·665	+·077	3·8	+1·1	0·40	0·91	—0·51
Bengal	—·017	85·1	+2·2	68·7	+4·6	76·8	+3·4	16·4	31·5	—0·2	—7	84	+ 1	·700	+·076	3·3	+1·4	1·00	0·67	+0·33
Bihar and Orissa	—·026	83·7	+0·8	65·6	+5·5	74·6	+3·1	18·1	35·4	+0·1	—2	80	+ 5	·617	+·113	3·5	+2·1	3·30	0·34	+2·96
United Provinces of Agra and Oudh	—·002	84·2	+0·9	56·4	+1·7	70·3	+1·3	27·8	42·3	—0·3	—7	68	— 2	·430	+·018	0·4	—0·4	0·02	0·13	—0·11
Punjab	—·001	84·0	+1·2	49·8	—1·0	66·9	+0·1	34·2	50·5	—0·2	+4	61	— 1	·289	—·022	0·3	—1·0	0	0·09	—0·09
North-West Frontier Province	—·019	81·3	+1·4	46·3	—0·9	63·8	+0·3	35·1	49·3	—0·9	—1	67	+ 1	·260	—·027	0·4	—1·5	0	0·34	—0·34
Sind	—·009	88·3	+1·3	59·6	+0·5	74·0	+0·9	28·7	44·7	—0·8	—3	55	— 4	·367	—·061	0	—1·3	0	0·07	—0·07
Rajputana	—·018	87·5	+0·3	57·1	+0·9	72·3	+0·6	30·4	45·2	—1·0	—2	37	—13	·226	—·081	0·1	—1·0	0	0·10	—0·10
Bombay	—·047	89·6	+1·1	66·7	+3·1	78·1	+2·1	23·0	33·9	—0·7	—5	62	+ 2	·541	+·041	2·0	+0·6	0·76	0·58	+0·18
Central India	—·023	83·9	+0·8	56·4	+2·3	70·1	+1·6	27·5	42·0	—0·2	—4	61	+ 2	·380	+·014	1·0	—0·1	0·07	0·23	—0·16
Central Provinces	—·041	85·0	+1·4	62·6	+4·9	73·8	+3·2	22·4	36·8	+0·8	+18	67	+ 6	·508	+·093	2·6	+0·9	0·40	0·45	—0·05
Hyderabad	—·057	86·3	+0·8	67·6	+5·2	76·9	+3·0	18·7	32·3	+0·7	+22	71	+ 8	·508	+·112	4·2	+2·0	0·77	0·85	—0·08
Mysore	—·049	81·3	—0·1	65·4	+2·9	73·3	+1·4	15·9	24·4	0	—44	81	+ 6	·606	+·049	6·5	+1·6	3·48	2·12	+1·36
Madras	—·058	86·0	+0·2	73·7	+2·7	79·8	+1·4	12·3	22·2	+0·2	—11	84	+ 5	·798	+·073	5·8	+1·3	9·33	4·70	+4·63

Table

(2) Abstract of observations taken at 8 hrs. at 212

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 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	147	29·786		29·864	29·843	20th	29·699	26th	·144	77·3	83·3		74·0		78·7		9·3	89·1	20th	69·3	29th	19·8
	Mergui	66	29·887	—·023	29·883	29·964	21st	29·804	26th	·160	77·1	84·4	—2·9	71·1	+0·7	77·7	—1·1	13·3	87·9	20th	67·7	29th	20·2
	Tavoy	19	29·937	—·035	29·889	30·021	21st	29·857	1st	·164	78·3	87·0	—0·8	71·5	+1·9	79·3	+0·5	15·5	89·7	19th	65·4	27th	24·3
	Moulmein	94	29·894	—·008	29·926	29·981	21st	29·792	1st	·189	76·3	88·6	+0·1	71·3	—0·3	79·9	—0·1	17·3	91·4	19th	64·0	30th	27·4
	Rangoon	18	29·959	—·015	29·915	30·047	21st	29·845	1st	·202	77·3	89·4	+1·0	73·5	+0·9	81·0	+0·9	14·9	91·1	21st	68·0	29th	23·1
	Bassein	27	29·942	—·025	29·905	30·027	21st	29·823	1st	·204	77·7	87·1	+1·1	74·2	+2·4	80·7	+1·7	12·9	90·1	21st	69·9	30th	20·2
	Diamond Island	41	29·899	—·039	29·875	29·989	21st	29·764	1st	·225	81·0	86·1	+0·7	77·4	+1·7	81·8	+1·2	8·7	88·4	6th	74·8	29th & 30th	13·6
	Toungoo	164	29·817	—·015	29·925	29·902	21st	29·696	1st	·206	75·3	88·6	+1·7	69·8	0	79·2	+0·9	18·8	91·5	20th	62·9	30th	28·6
	Kyaukpyu	18	29·943		29·901	30·032	20th	29·820	1st	·212	78·6	85·9		74·9		80·4		11·0	88·9	4th	72·4	17th & 18th.	16·5
	Akyab	20	29·949	—·025	29·909	30·047	20th	29·824	1st	·223	75·9	86·0	+1·2	72·4	+1·3	79·2	+1·3	13·6	89·5	4th	63·6	27th	25·9
3	Minbu	*165*	29·818	—·040	29·928	29·912	20th	29·701	1st & 7th.	·211	75·9	87·3	0	71·0	+2·5	79·2	+1·3	16·3	90·3	22nd & 23rd.	66·0	30th	24·3
	Yamethin	657	29·323	—·021	29·939	29·418	20th	29·204	7th	·214	74·8	90·7	+3·6	70·3	+3·1	80·5	+3·3	20·4	94·9	6th	63·0	30th	31·9
	Mandalay	250	29·756	—·005	29·959	29·858	20th	29·619	7th	·239	74·4	90·9	+3·7	69·4†	+1·7†	80·2†	+2·7	21·5	96·6	6th	62·8	27th	33·8
	Monywa	*280*	29·717	—·033	29·950	29·811	21st	29·581	7th	·230	74·2	89·8	+4·5	70·3	+2·9	80·0	+3·7	19·5	93·2	3rd	61·0	28th	32·2
	Lashio	*2,820*	27·215	—·013	27·161	27·314	20th	27·048	7th	·266	64·2	78·6	+1·0	59·0	+4·0	68·8	+2·5	19·6	83·6	5th	50·2	30th	33·4
	Bhamo	*361*	29·656	+·001?	29·982	29·771	20th	29·487	7th	·284	68·3	84·1	+3·2	63·2	+3·3	73·6	+3·3	20·9	89·2	6th	56·6	30th	32·6
	Myitkyina	458	29·541	—·024	29·972	29·638	20th & 21st.	29·387	7th	·251	67·7	82·0	+1·8	64·6	+3·3	73·3	+2·5	17·4	85·8	5th	58·2	26th	27·6
	II.—Assam.																						
4	Dibrugarh	353	29·677	—·018	30·004	29·788	20th	29·513	7th	·275	67·4	81·9	+2·7	63·3	+3·4	72·6	+3·1	18·6	87·4	1st	56·3	29th	31·1
	Sibsagar	333	29·711	—·020	30·010	29·821	20th	29·557	7th	·264	61·6*			58·0*	+1·6?*						55·4	29th	
	Tezpur ‡	252	29·784	—·011	30·003	29·885	20th	29·627	7th	·258	67·8	83·0	+2·7	64·0	+3·2	73·5	+2·9	19·0	87·9	1st	57·4	30th	30·5
	Gauhati	196	29·852	—·008	30·009	29·951	30th	29·699	7th	·252	70·2	84·4	+2·6	64·6	+4·1	74·5	+3·3	19·8	88·9	1st	57·2	30th	31·7
	Dhubri	115	29·914	—·007	29·986	30·003	20th	29·770	7th	·233	73·7	83·0	+2·9	67·9	+4·6	75·5	+3·7	15·1	86·8	17th	62·3	29th & 30th.	24·5
	Silchar	104	29·917	—·011	29·975	30·011	20th	29·775	7th	·236	78·5	86·5	+1·6	67·4	+3·9	77·0	+2·7	19·1	91·5	22nd	56·8	29th	34·7
	Srimangal	66	29·925		29·941	30·013	30th	29·797	6th	·216	72·4	88·3	+1·9	64·2	+4·9	76·3	+3·4	24·1	93·7	2nd	53·1	29th	40·6
	III.—Bengal.																						
5	Cox's Bazar	36	29·938		29·920	30·025	20th	29·819	1st	·206	76·1	86·4		69·9		78·1		16·5	91·1	2nd & 4th.	60·1	28th	31·0
	Chittagong	87	29·901	—·017	29·936	29·998	20th	29·778	1st	·220	73·1	84·6	+1·6	68·8	+3·3	76·7	+2·5	15·8	88·7	3rd	58·6	29th	30·1
	Noakhali	43	29·959	—·005	29·949	30·046	20th	29·825	7th	·221	74·3	85·4	+2·7	69.7	+6·2?	77·5	+4·5?	15·7	89·3	4th	57·8	29th	31·5
	Barisal	12	29·982	—·012	29·941	30·073	20th	29·857	1st	·216	76·3	84·6	+1·6	70·4	+5·4	77·5	+3·5	14·2	88·7	1st	59·4	28th & 30th.	29·3
	Narayanganj	26	29·957	—·023	29·942	30·058	20th	29·833	7th	·225	74·8	86·3	+2·9	69·9	+4·0	78·1	+3·5	16·4	91·9	1st	59·6	27th	32·3

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

* Mean of 7 days.
† " " 29 "
‡ " " 28 "

B.

stations in India, etc., in November, 1915.

Wind direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind velocity. Mean velocity, miles per hour.	Normal.	Departure from normal.	Wind steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 30th November, 1915.	Normal rainfall for period, 1st May to 30th November.	Departure from normal of period, 1st May to 30th November, 1915	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																I.—Burma.
3	7	15	2	2	0	0	1	0	N 39° E		5·1			66		82		·765		6·4		11			11·74			164·94			3·84	Victoria Point.
21	5	4	0	0	0	0	0	0	N 20° E	N 29° E	2·3	1·2	+1·1	27	−25	86	+ 4	·800	+·027	3·4	−0·3	4	6·0	−2·0	4·91	3·46	+ 1·45	130·46	150·94	−20·48	2·54	Mergui.
10	3	6	3	2	3	1	1	1	N 65° E	N 29° E	2·0	0·9	+1·1	23	+15	78	− 5	·752	−·005	3·9	+2·0	3	4·0	−1·0	0·80	2·63	− 1·83	192·29	210·14	−17·85	0·39	Tavoy.
0	0	2	25	3	0	0	0	0	S 89° E	N 4° E	5·5	1·8	+3·7	96	+74	81	− 3	·739	−·033	3·9	+0·8	3	2·7	+0·3	1·10	2·19	− 1·09	163·08	184·02	−20·94	0·88	Moulmein.
2	5	12	9	1	0	1	0	0	N 55° E	N 68° E	3·1	2·8	+0·3	66	+ 6	85	− 1	·797	+·017	3·3	+4·7	2	3·1	−1·1	0·41	2·38	− 1·97	101·85	95·16	+ 6·69	0·22	Rangoon.
18	3	2	3	4	0	0	0	0	N 77° E	N 56° E	3·5	2·6	+0·9	23	−36	86	− 1	·822	+·045	4·3	+1·1	4	4·1	−0·1	0·83	3·14	− 2·31	98·72	107·58	− 8·86	0·21	Bassein.
3	2	11	12	1	1	0	0	0	N 68° E	N 53° E	8·5	6·7	+1·8	69	− 4	82	+ 4	·865	+·058	4·7	−1·0	6	5·2	+0·8	9·57	4·71	+ 4·86	120·76	114·22	+ 6·54	5·82	Diamond Island.
6	11	10	0	2	1	0	0	0	N 29° E	N 12° W	0·9	1·2	−0·3	59	+ 7	87	− 2	·764	+·012	4·2	−0·4	1	2·6	−1·6	1·16	1·74	− 0·58	76·51	79·34	− 3·03	0·90	Toungoo.
22	0	5	2	1	0	0	0	0	N 65° E		0·4			23		85		·828		4·5		3			1·81			186·68			1·48	Kyaukpyu.
2	10	14	3	0	0	0	0	1	N 31° E	N 26° E	2·0	1·7	+0·3	79	− 5	87	− 3	·780	+·034	2·4	−1·0	3	3·5	−0·5	4·82	3·98	+ 0·84	246·46	188·24	+53·22	3·97	Akyab.
0	0	0	0	23	0	0	0	7	S 45° E	N 48° W	3·0	5·2	−2·2	49	−27	82	+ 3	·731	+·065	4·6	+1·3	2	2·4	−0·4	0·68	1·81	− 1·13	33·34	32·37	+ 0·97	0·38	Minbu.
21	4	1	0	0	1	0	0	3	N 14° W	N 18° W	1·0	2·2	−1·2	20	−28	82	− 3	·708	+·021	1·5	−2·3	1	2·6	−1·6	0·33	1·57	− 1·24	33·84	35·74	− 1·90	0·22	Yamethin.
30	0	0	0	0	0	0	0	0	Calm	N 11° E	0·4	1·5	−1·1	(a)		84	− 1	·717	+·028	2·2	−1·2	4	3·2	+0·8	2·62	1·72	+ 0·90	38·29	31·20	+ 7·09	1·23	Mandalay.
4	10	2	0	0	0	0	0	14	N 22° W		1·6			72		83	− 5P	·702	+·007	5·3	+0·8	1	2·7	−1·7	0·42	2·41	− 1·99	25·69	30·30	− 4·61	0·32	Monywa.
24	0	3	1	0	0	1	1	0	N 45° E		1·1			3		92	− 1	·547	+·043	4·1	−2·6	5	4·2	+0·8	2·04	2·42	− 0·38	56·87	58·30	− 1·43	0·67	Lashio.
17	5	6	0	1	0	0	0	1	N 25° E	N 23° E	1·0	1·2	−0·2	33	− 6	93	+ 2	·647	+·068	6·1	+2·1	2	2·7	−0·7	0·44	1·64	− 1·20	53·76	67·68	−13·92	0·30	Bhamo.
28	1	1	0	0	0	0	0	0	N 24° E		1·3			7		89	+ 3	·606	+·023	4·6	−0·1	1	2·4	−1·4	0·65	1·25	− 0·60	94·71	71·83	+ 2·88	0·46	Myitkyina.
																																II.—Assam.
19	0	6	5	1	0	0	0	0	N 63° E		0·4			30		89	0	·601	+·062	3·0	−0·4	2	2·4	−0·4	0·94	1·31	− 0·37	112·88	86·28	+26·60	0·65	Dibrugarh.
24	1	5	0	0	0	0	0	0	N 38° E	N 60° E	0·4	1·1	−0·7	20	− 7	96*	P	·528*	P	7·1	+1·4	1	2·1	−1·1	1·36	1·07	+ 0·29	90·56	77·46	+13·10	1·34	Sibsagar.
9	0	8	10	1	0	0	0	0	N 74° E		1·1§			56		92	+ 3	·628	+·073	3·7	+1·1	0	1·7	−1·7	0	0·96	− 0·96	58·59	59·41	− 0·82	0	Tezpur.
26	2	2	0	0	0	0	0	0	N 23° E		1·0			10		91	− 2	·673	+·078	5·9	+0·4	0	1·0	−1·0	0·05	0·31	− 0·26	65·46	52·68	+12·78	0·03	Gauhati.
1	0	14	14	0	0	0	1	0	N 67° E	N 65° E	4·9	3·7	+1·2	82	+ 5	81	− 6P	·681	+·081	4·4	+2·8	1	0·5	+0·5	0·14	0·26	− 0·12	90·26	86·80	+ 3·46	0·14	Dhubri.
22	0	4	4	0	0	0	0	0	N 66° E	N 79° E	0·1	1·2	−1·1	23	+15	85	− 2	·702	+·078	0·4	−3·4P	1	1·8	−0·8	0·80	1·40	− 0·60	143·94	98·80	+45·14	0·80	Silchar.
																88	0	·702	+·091	1·8		0	0·8	−0·8	0·02	1·25	− 1·23	112·37	79·76	+32·61	0·02	Srimangal.
																																III.—Bengal.
15	2	7	5	1	0	0	0	0	N 59° E		1·0			43		88		·792		3·8		3			5·84			135·51			4·12	Cox's bazar.
16	0	13	1	0	0	0	0	0	N 48° E	N 43° E	1·5	2·0	−0·5	46	−27	91	+ 3	·746	+·073	4·1	+1·1	1	1·7	−0·7	1·12	1·82	− 0·70	131·03	88·68	+42·35	1·08	Chittagong.
13	9	7	0	0	0	0	0	1	N 15° E		0·8			53		85	− 2	·725	+·054	2·9	+1·3	1	1·6	−0·6	0·25	1·85	− 1·60	131·66	109·98	+21·68	0·14	Noakhali.
6	7	15	2	0	0	0	0	0	N 36° E	N 18° E	0·7	1·2	−0·5	69	+44	81	− 3	·741	+·061	4·0	+2·2	4	1·5	+2·5	2·47	1·30	+ 1·17	71·63	71·59	+ 0·04	0·93	Barisal.
14	3	6	3	1	0	1	0	2	N 39° E	N 13° E	0·7	1·5	−0·8	30	−13	81	− 4	·707	+·055	3·1	+0·6	1	1·1	−0·1	0·37	0·96	− 0·59	83·06	61·10	+21·96	0·31	Narayanganj.

(a) Indeterminate.

§ Mean of 27 days.
* " 7 "

Table

(2) Abstract of observations taken at 8 hrs. at 212

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 during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	III.—Bengal—*concld.*																						
	Mymensingh	63	29·941	—·015	29·956	30·024	20th	29·802	7th	·221	72·8	85·9	+3·6	69·4	+5·3	77·6	+4·5	16·5	90·2	3rd	61·1	29th	29·1
	Bogra	75	29·936	—·013	29·963	30·036	20th	29·797	7th	·229	71·1	84·8	+2·3	66·8	+4·2	75·8	+3·3	18·0	91·5	6th	58·1	26th	33·4
	Dinajpur	123	29·895	—·011	29·976	29·981	20th	29·745	7th	·236	71·0	84·7	+2·2	65·1	+4·6	74·9	+3·4	19·6	89·3	6th	57·0	26th & 27th.	32·3
	Jalpaiguri	283	29·749	—·011	29·990	29·818	13th & 20th.	29·592	7th	·226	68·0	84·3	+2·6	64·0‡	+3·3‡	74·1‡	+2·5	20·3	89·6	1st	59·3	30th	30·3
	Saugor Island	10	29·931	—·029	29·938	30·081	20th	29·850	1st	·234	76·0	84·2	+2·2	71·1	+4·1	77·6	+3·1	13·1	90·3	1st & 2nd	60·5	29th	29·8
	Midnapore	149	29·846	—·029	29·916	29·961	20th	29·716	7th	·245	73·8	85·0	+0·2	69·1	+6·1	77·0	+3·1	15·9	91·8	9th	58·9	28th	32·9
	Calcutta	21	29·977	—·030	29·945	30·080	20th	29·847	1st & 7th	·233	73·8	84·9	+2·9	70·3	+6·0	77·6	+4·5	14·6	90·6	1st & 2nd	60·2	28th	30·4
	Jessore	80	29·978	—·013	29·955	30·066	20th	29·847	1st	·219	74·2	85·6	+2·4	68·6	+4·9	77·1	+3·7	17·0	91·8	1st	56·1	28th	35·7
	Burdwan	99	29·913	—·019	29·961	30·024	20th	29·762	1st	·262	72·7	85·5	+1·9	68·3	+4·1	76·9	+3·0	17·2	90·2	2nd	57·6	28th	32·6
	Berhampore	67	29·949	—·014	29·967	30·061	20th	29·802	7th	·259	71·9	83·9	+1·7	68·4	+4·3	76·2	+3·0	15·5	89·6	2nd, 6th & 7th	58·0	28th	31·6
	IV.—Bihar and Orissa.																						
6	Balasore	50	29·953	—·030	29·949	30·056	20th	29·822	7th	·234	72·5	83·8	−0·2	69·4	+6·9	76·6	+3·3	14·4	90·1	8th	58·4	29th	31·7
	Hukitala (False Point).	29	29·943	—·054	29·913	30·055	30th	29·777	16th	·278													
	Cuttack	80	29·913	—·036	29·936	30·030	30th	29·752	16th	·278	74·6	84·1	—1·1	71·4	+5·5	77·7	+2·2	12·7	89·9	9th	60·4	30th	29·5
	Puri	24	29·951	—·053	29·915	30·078	30th	29·752	16th	·326	75·9	84·7	—0·1	73·6	+5·0	79·1	+2·5	11·1	92·2	1st	64·3	30th	27·9
	Angul	455	29·533	—·032	29·944	29·646	30th	29·417	5th	·231	74·0	83·3	—1·2	68·6	+8·9	75·9	+3·9	14·7	89·1	4 days	56·0	30th	33·1
	Sambalpur	486	29·508	—·052	29·954	29·632	30th	29·394	5th	·238	73·0	85·0	+1·3	67·1	+5·7	76·0	+3·5	17·9	90·0	8th & 9th	54·7	30th	35·3
7	Chaibasa	*733*	29·246	—·036	29·951	29·354	20th	29·118	7th	·236	69·9	84·3	+1·9	65·5	+6·7	74·9	+4·3	18·8	92·6	9th	54·7	29th	37·9
	Ranchi	2,128	27·869	—·001	29·967	27·964	20th	27·765	7th	·199	67·3	78·5	+0·5	61·0	+3·2?	69·7	+1·9?	17·5	85·7	8th	50·1	29th	35·6
	Purulia	*816*	29·201‡	0 ‡	29·991‡	29·308	20th	29·060	7th	·248	71·2‡	85·9	+2·1	66·0	+5·5	76·0	+3·8	19·9	92·3	9th	55·1	28th & 29th	37·2
	Daltonganj	*730*	29·289	—·021	30·002	29·381	20th	29·185	7th	·196	65·3	83·9	+0·7	59·2	+5·7	71·6	+3·2	24·7	90·2	1st	47·5	28th	42·7
8	Purnea	124	29·899	—·018	29·982	29·984	20th	29·740	7th	·244	69·6	83·5	+1·5	65·7	+4·7	73·6	+3·1	19·8	88·2	6th	53·3	27th	34·9
	Monghyr	155	29·869		29·980	29·969	20th	29·703	7th	·266	72·2	82·8		65·4		74·1		17·4	89·6	1st	55·1	27th	34·5
	Darbhanga	165	29·858	—·012	29·983	29·953	20th	29·692	7th	·261	71·4	83·4	+1·7	64·0	+2·7	73·7	+2·2	19·4	88·7	2nd	53·6	27th	35·1
	Pusa	188	29·830		29·980	29·936	21st	29·670	7th	·260	68·3	83·9		61·1		72·5		22·8	89·7	3rd	50·4	27th	39·2
	Patna	183	29·829	—·030	29·972	29·926	20th	29·673	7th	·253	72·3	81·6	—0·3	65·4	+4·7	73·5	+2·2	16·2	87·9	2nd	55·2	28th	32·
	Buxar	239	29·731	—·014	29·985	29·897	20th	29·625	7th	·271	69·3	85·7	+1·5	63·1	+3·4	74·4	+2·5	22·6	92·5	7th	53·1	28th	39·
	Gaya	372	29·658	—·008	29·993	29·748	23rd & 3.th, 20th	29·517	7th	·231	71·5	83·6	+0·2	64·9	+5·4	74·3	+2·8	18·7	90·8	3rd	53·7	28th	37·1
	Naya Damka	[illegible]	29·517	—·016	29·970	29·620		29·379	6th & 7th.	·241	73·1	85·2	+3·1	65·5	+5·6	75·3	+4·3	19·7	91·2	2nd	52·7	28th	38·5
	V.—United Provinces of Agra and Oudh.																						
9	Gorakhpur	257	29·759	—·009	29·983	29·870	20th	29·593	7th	·277	68·5	83·8	+1·9	60·6	+2·8	72·2	+2·3	23·2	88·3	7th	51·0	27th	37·3
	Benares	267	29·771	+·001	30·001	29·864	20th & 29th.	29·607	7th	·257	69·1	83·7	+0·9	58·6	+3·1	71·1	+2·0	25·1	89·1	6th & 7th	48·3	28th	40·8
	Allahabad	305	29·713	—·015	29·990	29·818	20th	29·559	7th	·259	67·0	83·8	+0·3	57·4	+2·2	70·6	+1·3	26·4	88·6	3rd	47·6	28th	41·0
	Cawnpore	416	29·618	+·005	30·011	29·729	20th	29·458	7th	·271	63·3	82·9	—0·3	56·6	+0·5	69·8	+0·1	26·3	87·6	1st	47·9	28th	39·7

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

‡ Mean of 29 days.

B—*continued.*

stations in India, etc., in November, 1915—*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 November, 1915.	Normal rainfall for period, 1st May to 30th November.	Departure from normal of period, 1st May to 30th November, 1915.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																III.—Bengal—*concld.*
27	0	0	0	1	0	0	0	2	N 45° W	N 58° E	0·6	0·8	−0·2	3	−30	87	0	·702	+·062	3·0	+0·6	1	0·9	+ 0·1	0·11	0·73	− 0·62	100·48	83·70	+16·78	0·11	Mymensingh.
17	5	4	0	0	0	0	3	1	N 6° W	N 27° E	0·8	1·0	−0·2	30	− 8	88	+ 5	·680	+·084	2·8	+1·8	2	0·5	+ 1·5	0·35	0·65	− 0·30	74·77	63·26	+11·51	0·18	Bogra.
5	3	2	7	2	1	2	5	3	N 26° E	N 21° E	1·7	1·6	+0·1	10	−45	83	0	·637	+·067	1·9	+0·6	1	0·4	+ 0·6	0·31	0·12	+ 0·19	68·87	64·97	+ 3·90	0·31	Dinajpur.
30	0	0	0	0	0	0	0	0	Calm	N 20° E	0·8			(a)		88	+ 4	·601	+·046	2·3	+1·2	1	0·4	+ 0·6	0·32	0·10	+ 0·22	97·53	116·66	−19·13	0·29	Jalpaiguri.
0	6	17	5	0	0	1	0	1	N 41° E		5·7			76	+ 3	86	0	·779	+·093	4·5	+1·8	6	1·4	+ 4·6	6·03	1·37	+ 4·66	62·03	65·77	− 3·74	2·21	Saugor Island.
7	7	10	3	0	0	0	0	3	N 27° E		1·7			60		79	+ 8	·670	+·144	3·4	+2·0	4	0·9	+ 3·1	3·39	0·69	+ 2·70	54·19	52·87	+ 1·32	1·70	Midnapore.
2	6	13	2	0	0	0	1	6	N 17° E	N	1·9	1·8	+0·1	65	+21	83	+ 1	·698	+·086	3·5	+1·7	4	0·9	+ 3·1	2·33	0·56	+ 1·77	59·40	57·04	+ 2·36	1·16	Calcutta.
24	1	2	0	3	0	0	0	0	N 85°	N 5° W	1·2	1·2	0	12	−14	81	− 2	·693	+·063	2·3	+0·4	1	1·1	− 0·1	0·46	1·12	− 0·66	54·30	58·47	− 4·17	0·42	Jessore.
16	8	2	1	1	1	0	0	1	N 16° E	N 5° W	1·1	1·2	−0·1	27	−13	81	+ 6	·658	+·106	4·0	+2·2	2	0·9	+ 1·1	0·53	0·66	− 0·13	46·91	52·66	− 5·75	0·30	Burdwan.
19	8	0	0	0	0	1	0	2	N 14° W	N 13° W	0·8	1·1	−0·3	30	0	84	0	·665	+·071	3·8	+1·9	2	0·6	+ 1·4	0·41	0·52	− 0·11	55·40	51·26	+ 4·14	0·22	Berhampore.
																																IV.—Bihar and Orissa.
14	8	2	0	0	0	0	0	6	N 12° W	N 21° W	0·4	1·5	−1·1	46	−21	89	+ 9	·716	+·153	5·3	+3·6	7	1·2	+ 5·8	9·75	0·94	+ 8·81	59·16	55·44	+ 3·72	3·94	Balasore.
2	16	7	2	0	0	0	1	2	N 12° E		6·7			76	− 4					4·9	+1·5	10	2·2	+ 7·8	22·53	2·54	+19·99	61·31	58·89	+ 2·42	8·21	Hukitala (False Point)
16	0	8	5	0	0	0	1	0	N 59° E	N 45° W	1·3	1·2	+0·6	40	+23	84	+ 6	·727	+·149	4·9	+2·4	6	1·7	+ 4·3	9·84	1·28	+ 8·56	63·07	55·89	+10·18	4·35	Cuttack
5	12	5	1	0	0	0	0	7	N 1° W		5·9			70		89	+11	·797	+·156	5·5	+3·5	12	1·8	+10·2	22·74	2·91	+19·83	56·83	50·72	+ 6·11	9·56	Puri.
10	1	3	3	1	0	0	0	12	N 15° W		3·0			37		83	+10	·710	+·206	5·7	+4·5	8	0·4	+ 7·6	6·09	0·13	+ 5·96	46·46	42·47	+ 3·99	3·90	Angul.
0	12	16	1	0	0	0	0	1	N 26° E	N 21° E	3·1	2·0	+1·1	89	+14	81	+ 7	·665	+·145	4·1	+2·3	3	0·9	+ 2·1	1·74	0·93	+ 0·81	35·67	63·46	−27·79	0·98	Sambalpur.
21	0	5	3	0	0	0	1	0	N 57° E	S 77° W	1·6	0·7	+0·9	20	−13	81	−12	·595	+·096	4·9	+3·2	4	0·9	+ 3·1	3·62	0·52	+ 3·10	28·77	47·51	−18·74	2·63	Chaibasa.
11	3	6	3	1	1	0	1	4	N 27° E	N 63° W	2·1	2·7	−0·6	30	+12	72	+ 9	·479	+·080	4·2	+2·6	3	0·6	+ 2·4	0·49	0·22	+ 0·27	42·57	51·73	− 9·16	0·20	Ranchi.
7	3	4	1	0	0	0	2	13	N 25° W		1·7*			57		75*	+ 5	·579*	+·130	4·4	+3·2	2	0·7	+ 1·3	2·38	0·23	+ 2·15	44·88	47·15	− 2·27	1·73	Purulia.
17	0	2	4	4	0	1	0	2	S 81° E		1·8			20		83	+ 4	·524	+·089	2·3	+1·2	2	0·4	+ 1·6	2·16	0·21	+ 1·95	33·21	38·68	− 5·47	1·52	Daltonganj.
7	3	8	3	0	1	3	4	1	N 16° E	N 50° E	1·6	1·1	+0·5	20	+ 9	89	0	·646	+·099	1·9	+1·2	2	0·2	+ 1·8	0·93	0·10	+ 0·83	61·51	59·02	+ 2·49	0·71	Purnea.
12	1	0	3	0	0	0	8	6	N 61° W		2·1			33		75		·592		2·2		2			4·48			51·29			2·82	Monghyr.
25	0	2	1	0	0	1	1	0	N 45° E	N 48° W	1·0	1·2	−0·2	3	− 7	81	− 2	·632	+·081	0·8	+0·2	1	0·3	+ 0·7	0·42	0·10	+ 0·32	64·90	48·09	+16·90	0·42	Darbhanga.
12	1	2	2	0	0	4	7	2	N 83° W		1·0			27		87		·599		1·4		1			0·56			50·50			0·50	Pusa.
20	1	1	3	0	1	0	2	2	N 9° E	S 60° W	1·4	1·3	+0·1	7	−20	74	+ 3	·590	+·090	2·0	+0·9	1	0·4	+ 0·6	2·55	0·17	+ 2·38	59·27	41·84	+14·43	2·51	Patna.
5	2	3	2	1	1	9	7	0	S 66° W		2·1			33		75	+ 8	·525	+·070	2·5	+1·4	1	0·4	+ 0·6	0·65	0·41	+ 0·24	35·27	39·05	− 3·78	0·65	Buxar.
20	0	0	1	0	4	3	1	1	S 28° W	S 7° E	1·5	1·7	−0·2	20	−13	69	− 2	·532	+·065	2·4	+0·9	2	0·6	+ 1·4	2·35	0·42	+ 1·93	33·88	44·18	−10·30	2·14	Gaya.
23	1	1	2	0	0	0	0	0	N 57° E		1·2			10		71	− 3	·588	+·079	2·9	+1·8	1	0·6	+ 0·4	0·81	0·32	+ 0·49	50·97	52·34	− 1·37	0·81	Naya Dumka.
																																V.—United Provinces of Agra and Oudh.
19	0	2	3	0	0	0	6	0	N 49° W	N 67° W	1·1	0·7	+0·4	7	−23	79	+ 3	·557	+·060	0·3	−0·4	0	0·3	− 0·3	0	0·15	− 0·15	52·89	48·50	+ 4·39	0	Gorakhpur.
19	1	0	1	2	0	4	1	2	S 56° W	S 53° W	1·0	1·4	−0·4	10	−12	74	− 1	·526	+·064	1·4	+0·4	1	0·6	+ 0·4	0·11	0·60	− 0·49	47·58	37·73	+ 9·85	0·11	Benares.
20	0	1	2	0	0	0	6	1	N 71° W	N 82° W	0·4	1·7	−1·3	13	−12	72	+ 3	·480	+·043	1·7	+0·6	0	0·5	− 0·5	0	0·31	− 0·31	44·00	37·19	+ 6·81	0	Allahabad.
22	1	0	0	2	1	2	2	0	S 36° W	N 68° W	1·0	1·4	−0·4	13	− 6	74	− 3	·435	+·040	0	−0·7	0	0·3	− 0·3	0	0·29	− 0·29	57·26	34·13	+23·13	0	Cawnpore.

(a) Indeterminate.

* Mean of 23 days.

Table

(2) Abstract of observations taken at 8 hrs. at 212

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 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
	V.—United Provinces of Agra and Oudh—*concld.*																						
	Lucknow	368	29·662	+·001	30·002	29·784	20th	29·488	7th	·296	68·1	85·5	+1·7	57·0	+3·9	71·3	+2·8	28·5	90·6	2nd	48·0	28th	42·6
	Bahraich	407	29·609	—·004	29·992	29·727	20th	29·436	7th	·291	66·9	84·7	+1·2	58·8	+2·3	71·8	+1·7	25·9	89·3	7th	50·3	27th	39·0
10	Jhansi	824	29·214	—·007	30·024	29·324	20th	29·084	7th	·240	67·6	86·9	+1·1	55·5	—3·9?	71·2	—1·4?	31·4	92·6	1st & 3rd	45·8	28th	46·8
	Agra	556	29·481	+·004	30·017	29·608	20th	29·3[illegible]5	7th	·27[illegible]	67·9	85·7	+1·0	56·6	0	71·2	+0·5	29·1	92·7	1st	49·2	28th	43·5
	Mainpuri	516	29·511	—·001	30·012	29·650	20th	29·344	7th	·306	61·5	85·9	+1·1	53·8	—0·4	69·9	+0·3	32·1	92·3	2nd	45·5	28th	46·8
	Bareilly	568	29·444	—·002	30·000	29·573	20th	29·[illegible]72	7th	·301	62·5	82·9	+1·3	51·2	+1·0	68·6	+1·1	28·7	90·1	7th	45·0	27th	45·1
	Roorkee	899	29·116	+·009	30·027	29·210	20th	28·943	7th	·287	59·9	80·4	—0·1	50·9	+1·1	65·7	+0·5	29·5	84·8	2nd	42·4	26th	42·4
	VI.—Punjab.																						
11	Delhi	718	29·305	+·004	30·023	29·431	20th	29·158	7th	·273	62·5	83·9	+1·0	56·8	+0·1	70·3	+0·5	27·1	91·0	3rd	48·3	23rd	42·7
	Hissar	725	29·296	—·003	30·027	29·427	20th	29·150	7th	·277	58·7	85·9	+0·8	50·2	—0·1	68·1	+0·3	35·7	95·1	2nd	40·2	29th	54·9
	Patiala	*818*	29·170	—·026?	30·002	29·297	20th	29·023	3rd	·274	57·0	82·2	+0·1	51·1	—0·8	66·7	—0·3	31·1	90·6	1st	42·0	27th	48·6
	Ambala	892	29·114	—·001	30·020	29·255	20th	28·952	7th	·303	55·6	83·7	+1·2	48·6	—1·7	66·1	—0·3	35·1	88·1	1st & 13th	40·1	27th	48·0
	Ludhiana	812	29·205	+·007	30·035	29·354	20th	29·055	7th	·299	56·8	82·9	+2·0	52·8	+1·2	67·9	+1·6	30·1	89·9	1st	45·0	28th	44·9
	Lahore	702	29·211	—·002	30·032	29·454	20th	29·148	7th	·306	54·3	83·9	0	48·5	+0·3	66·2	+0·1	35·4	93·5	1st	42·1	28th	51·4
	Sialkot	830	29·184	+·002	30·037	29·317	20th	29·023	7th	·294	56·6	83·5	+2·1	46·3	—4·0	64·9	—0·9	37·2	90·1	1st	38·1	27th	52·0
	Rawalpindi	1,674	28·330	—·012	30·075	28·463	20th	28·193	7th	·270	51·0	80·8	+2·9	42·3	—2·0	61·6	+0·5	38·5	88·5	1st	34·1	26th	54·4
12	Khushab	612	29·422	+·001	30·042	29·556	30th	29·245	7th	·311	59·3	84·7	+1·1	47·1	—4·2	65·9	—1·5	37·6	91·1	1st	38·8	27th	52·3
	Lyallpur	605	29·410		30·023	29·550	20th	29·252	7th	·298	56·3	84·1		47·6		65·9		36·5	89·5	1st	40·0	27th	59·5
	Montgomery	558	29·465	—·007	30·024	29·606	20th	29·310	1st	·296	59·5	84·9	+0·1	51·7	—0·3	68·3	—0·1	33·2	95·4	1st	45·0	24th	50·4
	Multan	426	29·607	—·002	30·022	29·747	20th	29·438	1st	·309	61·2	87·0	+2·2	54·5	+1·0	70·8	+1·6	32·5	94·3	1st	47·7	25th	46·6
	VII.—North-West Frontier Province.																						
14	Peshawar	1,113	28·912	—·019	30·084	29·050	20th	28·756	7th	·294	48·5	79·9	+2·6	43·7	—2·4	61·8	+0·1	36·2	86·2	3rd	35·9	26th	50·3
	D. I. Khan	590	29·432	—·026?	30·032	29·572	20th	29·279	7th	·293	55·1	82·8	+0·2	48·8	+0·6	65·8	+0·4	34·0	89·8	1st	41·5	26th	48·3
	VIII.—Sind.																						
16	Jacobabad	186	29·861	+·005	30·017	30·013	30th	29·705	8th	·308	62·1	88·8	+1·0	52·1	+0·3	70·4	+0·7	36·7	99·1	1st	44·2	25th	54·9
	Hyderabad	96	29·927	—·015	29·978	30·057	30th	29·776	8th	·281	67·2	90·5	+1·4	60·5	+1·6	75·5	+1·5	30·0	99·1	1st	52·1	26th	47·0
	Karachi	13	30·022	—·016	29·967	30·146	30th	29·868	8th	·258	71·3	85·7	+1·4	66·2	—0·5	76·0	+0·5	19·5	82·0	11th	59·9	25th	32·1
	IX.—Rajputana.																						
17	Bikaner	*771*	29·247	—·005	30·012	29·383	21st	29·114	7th	·269	65·0	88·1	+2·7	55·5	—3·8?	71·8	—0·5?	32·6	97·0	1st	46·9	27th & 28th.	50·1
	Jodhpur	780	29·227	—·025	29·990	29·352	21st	29·102	7th	·250	68·7	89·7	0	60·4	+1·9	75·0	+0·9	29·3	96·4	1st	52·7	27th	43·7
18	Jaipur	1,431	28·578	—·026	30·010	28·680	20th	28·453	7th	·227	66·3	86·9	+0·4	55·4	—0·3	71·2	+0·1	31·5	94·5	1st	47·2	27th	47·3
	Ajmer	1,611	28·413	—·015	30·053?	28·529	20th	28·293	7th	·236	57·4	84·8	+0·4	53·6	+1·2	69·2	+0·8	31·2	92·4	1st	47·0	27th	45·4
	Kotah	832	29·186	—·019	30·001	29·288	20th	29·065	7th	·223	69·1	88·1	—0·1?	60·7	+0·5	74·4	+0·2?	27·4	94·2	1st	54·8	28th	39·4

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

B—*continued.*

stations in India, etc., in November, 1915—*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 November, 1915.	Normal rainfall for period, 1st May to 30th November.	Departure from normal of period, 1st May to 30th November, 1915.	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
																																V.—United Provinces of Agra and Oudh—*concld.*
28	0	0	0	0	0	1	1	0	S 66° W	N 72° W	1·0	1·0	0	7	−6	61	−11?	·426	+·003	0·3	−0·6	0	0·3	−0·3	0	0·10	−0·10	69·05	35·71	+33·34	0	Lucknow.
15	4	0	4	0	1	0	2	0	N 34° E	N 2° W	1·2	1·3	−0·1	13	0	73	−4	·490	+·010	0	−0·5	0	0·5	−0·5	0	0·21	−0·21	64·32	41·88	+22·44	0	Bahraich.
10	1	4	0	0	1	9	4	1	S 71° W	S 81° W	2·2	1·3	+0·9	27	+4	47	−5	·321	−·048	0·7	0	0	0·3	−0·3	0·01	0·11	−0·10	21·94	35·73	−13·79	0·01	Jhansi.
20	0	1	1	1	2	1	3	1	S 45° W	N 56° W	1·2	2·0	−0·8	10	−27	43	−14	·293	−·044	0·3	−0·5	0	0·2	−0·2	0	0·07	−0·07	16·23	25·57	−9·34	0	Agra.
7	6	2	2	2	0	4	4	3	N 38° W	N 60° W	0·4	0·6	−0·2	23	+4	65	−2	·253	−·012	0	−1·0	0	0·3	−0·3	0	0·15	−0·15	21·81	25·04	−3·23	0	Mainpuri.
30	0	0	0	0	0	0	0	0	Calm	N 7° E	0	0·9	−0·9	*a*		77	+1	·412	+·036	0	−0·7	0	0·3	−0·3	0	0·23	−0·23	51·63	41·85	+9·78	0	Bareilly.
28	0	1	0	1	0	0	0	0	E	S 81° E	0·2	0·8	−0·6	5	+3	79	+2	·408	+·043	0	−0·8	0	0·5	−0·5	0	0·22	−0·22	30·73	37·40	−6·67	0	Roorkee.
																																VI.—Punjab.
15	0	0	1	0	0	1	10	5	N 78° W	N 89° W	1·0	1·5	−0·5	43	+5	49	−5	·276	−·027	0	−1·0	0	0·3	−0·3	0	0·10	−0·10	13·08	24·46	−11·38	0	Delhi.
10	1	0	4	0	4	5	5	1	S 42° W	S 18° W	1·9	2·0	−0·1	27	+16	49	−11	·239	−·068	0	−1·2	0	0	0	0	0·01	−0·01	6·66	11·88	−5·22	0	Hissar.
17	3	1	2	4	0	0	2	1	N 56° E		2·1			10		68	+3	·320	−·032	0	−0·9	0	0·2	−0·2	0	0·08	−0·08	16·14	20·85	−4·71	0	Patiala.
20	0	2	7	0	0	0	0	1	N 75° E	N 24° W	1·3	1·0	+0·3	27	+19	76	+2	·343	−·004	0	−0·9	0	0·3	−0·3	0	0·25	−0·25	22·88	24·53	−1·65	0	Ambala.
29	0	1	0	0	0	0	0	0	N 45° E	S 27° W	0·3	0·7	−0·4	3	−4	65	+1	·301	−·014	0	−1·5	0	0·2	−0·2	0	0·08	−0·08	12·33	23·40	−11·07	0	Ludhiana.
30	0	0	0	0	0	0	0	0	Calm	N 5° W	0·4	0·9	−0·5	*a*		74	+3	·315	−·016	0·2	−0·8	0	0·1	−0·1	0	0·05	−0·05	6·57	15·90	−9·41	0	Lahore.
18	2	3	7	0	0	0	0	0	N 66° E	N 42° E	0·6	0·6	0	33	+18	73	+7	·336	+·021	0·4	−0·7	0	0·2	−0·2	0	0·08	−0·08	9·43	24·79	−15·36	0	Sialkot.
17	1	1	1	1	1	4	3	1	S 63° W	N 50° W	1·4	0·9	+0·5	13	+2	59	−5	·223	−·033	0·9	−0·8	0	0·4	−0·4	0	0·23	−0·23	14·58	24·45	−9·87	0	Rawalpindi.
26	0	0	1	0	1	2	0	0	S 10° W	N 38° E	1·8	2·0	−0·2	8	−14	39	−11	·197	−·059	0·3	−0·9	0	0·1	−0·1	0	0·05	−0·05	3·18	10·43	−7·25	0	Khushab.
19	0	2	1	2	1	3	0	2	S 11° E		0·8			6		69		·314		0·4		0	0·2	−0·2	0	0·10	−0·10	1·95	10·28	−8·33	0	Lyallpur.
14	0	1	2	6	4	1	1	1	S 31° E	S 72° E	1·7	2·1	−0·4	30	+3	55	+4	·281	−·002	0·3	−1·0	0	0·1	−0·1	0	0·06	−0·06	5·30	8·28	−2·98	0	Montgomery.
23	0	1	0	5	0	1	0	0	S 45° E	N 72° E	0·2	0·9	−0·7	13	−10	58	−2	·321	−·007	0·2	−0·6	0	0·1	−0·1	0	0·08	−0·08	0·65	5·11	−4·46	0	Multan.
																																VII.—North-West Frontier Province.
30	0	0	0	0	0	0	0	0	Calm	S 31° W	0	1·5	−1·5	*a*		75	+9	·230	−·016	0·6	−1·7	0	0·5	−0·5	0	0·32	−0·32	2·24	5·94	−3·70	0	Peshawar.
28	0	2	0	0	0	0	0	0	N 45° E	N 9° E	0·2	0·6	−0·4	3	−1	60	−6	·260	−·039	0·2	−1·3	0	0·3	−0·3	0	0·12	−0·12	2·57	6·21	−3·64	0	D. I. Khan.
																																VIII.—Sind.
29	0	0	1	0	0	0	0	0	E	N 18° E	0·5	1·2	−0·7	3	−9	59	+2	·332	+·001?	0	−1·3	0	0·1	−0·1	0	0·08	−0·08	0·69	2·48	−1·79	0	Jacobabad.
0	19	0	1	2	2	3	1	2	N 8° W	N 10° W	3·5	4·6	−1·1	49	+8	50	−2	·334	−·038	0	−1·3	0	0·1	−0·1	0	0·08	−0·08	0·83	6·32	−5·49	0	Hyderabad.
7	7	12	1	0	0	0	2	1	N 23° E	N 49° E	5·0	5·5	−0·5	59	−8	55	−11	·435	−·083	0	−1·2	0	0·1	−0·1	0	0·05	−0·05	0·38	6·24	−5·86	0	Karachi.
																																IX.—Rajputana.
23	0	0	2	3	1	1	0	0	S 42° E	N 76° W	0·7	2·4	−1·7	17	−2	31	−18	·190	−·117	0	−1·3	0	0·1	−0·1	0	0·05	−0·05	3·91	10·33	−6·42	0	Bikaner.
4	3	23	0	0	0	0	0	0	N 40° E		2·4			79		21	−17	·146	−·109	0	−1·1	0	0·2	−0·2	0	0·10	−0·10	4·66	12·61	−7·95	0	Jodhpur.
15	4	4	2	1	1	1	0	2	N 31° E	N 1° W	1·7	2·0	−0·3	23	−2	40	−11	·259	−·062	0	−1·3	0	0·2	−0·2	0	0·15	−0·15	10·71	22·59	−11·88	0	Jaipur.
30	0	0	0	0	0	0	0	0	Calm	N 2° W	0·1	1·2	−1·1	*a*		49	−14	·235	−·005	0	−1·1	0	0·3	−0·3	0	0·16	−0·16	11·09	19·76	−8·67	0	Ajmer.
27	1	1	0	1	0	0	0	0	N 52° E		0·6			3		42	−5	·300	−·023	0·1	−0·1	0	0·1	−0·1	0	0·02	−0·02	17·41	26·85	−9·44	0	Kotah.

a Indeterminate.

Table

(2) Abstract of observations taken at 8 hrs. at 212

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 during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	X.—Bombay.																						
19	Deesa	466	29·541	—·023	29·973	29·642	20th	29·430	7th	·212	72·4	85·4	+3·1	60·5	+2·6	78·0	+2·9	34·9	100·4	10th	53·9	20th	46·5
	Bhuj	334	29·669	—·028	29·950	29·769	20th	29·543	7th	·226	74·5	91·3	+1·6	60·4	—2·6?	75·8	—0·5?	30·9	97·2	10th	56·8	15th	40·4
	Jamnagar	61	29·941	—·042	29·948	30·048	30th	29·814	7th	·234	75·8	90·5	+0·5	62·8	0	76·7	+0·3	27·7	96·7	1st	56·1	15th	40·6
	Dwarka	37	29·967	—·043	29·950	30·063	30th	29·848	7th	·215	76·1	88·4	+1·9	69·3	+1·2	78·9	+1·5	19·1	95·8	11th	62·2	24th	33·6
	Rajkot	429	29·546	—·047	29·932	29·642	30th	29·429	8th	·213	74·5	90·1	+2·3	62·8	+3·2	77·9	+2·7	30·3	97·6	11th	56·4	28th	41·2
	Veraval	*18*	29·947	—·051	29·908	30·039	30th	29·819	7th	·220	77·5	90·4	+1·6	70·2	+2·7	80·3	+2·1	20·2	94·7	3rd	64·8	18th	29·9
	Bhavnagar Para	55	29·928	—·043	29·930	30·026	30th	29·809	7th	·217	73·8	92·9	+1·7	65·0	+2·0	78·9	+1·9	27·9	98·2	1st	59·8	16th, 17th & 18th.	38·4
	Surat	39	29·931	—·053	29·913	30·037	30th	29·803	7th	·234	75·4	94·0	+2·6	67·8	+4·3	80·9	+3·5	26·2	96·9	11th	61·5	5th	35·4
	Ahmadabad	163	29·842	—·030	29·957	29·933	20th	29·731	8th	·207	77·2	95·7	+2·8	67·2	+1·7	81·5	+2·3	28·5	100·2	10th	63·6	27th	36·6
	Bombay	37	29·908	—·061	29·885	30·019	30th	29·757	7th	·262	78·3	88·1	+0·9	75·9	+2·4	82·0	+1·7	12·2	91·7	12th	72·1	6th & 14th.	19·6
	Ratnagiri	207	29·715	—·059	29·862	29·826	30th	29·559	7th	·267	81·3	91·7	+1·1	73·9	+3·9	82·8	+2·5	17·8	95·5	2nd & 12th.	68·3	3rd	27·2
	Marmagao	*60*	29·865	—·063	29·860	29·973	30th	29·704	7th	·269	76·9	85·0	—1·7	74·3	+1·3	79·7	—0·2	10·7	87·8	24th	71·3	5th	16·5
	Karwar	44	29·897	—·038	29·877	29·997	30th	29·761	7th	·236	75·2	87·8	—0·3	72·5	+3·0	79·9	+1·3	14·8	91·9	29th	67·3	2nd	24·6
26	Malegaon	1,430	28·553	—·039	29·918	28·659	30th	28·436	7th	·223	72·9	89·7	+2·2	62·5	+5·6	76·1	+3·9	27·2	93·9	11th	52·1	5th	41·8
	Ahmadnagar	2,154	27·826	—·050	29·912	27·933	30th	27·711	7th	·222	73·1	85·9	+0·4	62·6	+5·8	74·2	+3·1	23·3	89·2	11th	54·8	5th	34·4
	Poona	1,816	28·125	—·045	29·928	28·225	30th	28·014	7th	·211	71·6	88·1	+1·4	63·2	+4·4	75·6	+2·9	23·9	91·8	10th & 28th.	52·3	5th	39·5
	Sholapur	1,590	28·357	—·062	29·891	28·472	30th	28·178	6th	·294	75·0	88·6	+1·0	67·0	+4·9	77·8	+2·9	21·6	96·8	28th	61·6	15th	35·2
	Bijapur	*1,948*	27·996	—·061	29·885	28·113	30th	27·813	6th	·300	72·8	85·9	—1·4	65·5	+4·4	75·2	+1·5	19·4	88·4	6th	56·3	30th	32·1
	Belgaum	2,562	27·410	—·041	29·892	27·515	30th	27·247	7th	·268	79·8	82·1	—0·3	63·1	+2·0	72·6	+0·9	19·0	87·2	28th	57·5	1st	29·7
	XI.—Central India.																						
20	Neemuch	1,626	28·391	—·023	29·999	28·486	20th	28·280	7th	·206	68·8	88·2	+1·3	58·3	+3·5	72·2	+2·4	27·9	91·1	1st & 10th.	52·8	27th	38·3
	Indore	1,823	28·170	—·035	29·970	28·263	20th	28·061	7th	·202	68·7	86·3	+2·6	57·4	+3·1	71·8	+2·9	23·9	92·1	10th	51·4	16th	40·7
21	Nowgong	754	29·261	—·018	30·000	29·332	20th	29·131	7th	·231	60·6	82·2	—0·1	53·7	+0·7	67·9	+0·3	28·5	89·0	1st	44·9	29th	44·1
	Sutna	1,041	28·964	—·014	30·000	29·054	20th & 30th.	28·829	7th	·225	64·5	80·9	—0·5	56·1	+2·0	68·5	+0·7	24·8	85·8	2nd, 3rd & 4th.	41·0	28th	44·8
	XII.—Central Provinces.																						
22	Buldana	2,134									74·2	83·7	+1·4	64·7	+2·8?	74·2	+2·1?	19·0	87·5	11th	60·0	13th	27·5
	Akola	925	29·057	—·051	29·946	29·174	30th	28·940	7th	·234	73·3	90·4	+2·8	63·7	+6·6	77·1	+4·7	26·7	94·7	10th	54·3	4th	40·4
	Amraoti	1,215	28·761	—·049	29·941	28·676	30th	28·639	6th	·227	74·0	87·9	+1·4	66·2	+4·5	77·0	+2·9	21·7	92·3	10th	57·5	30th	35·3
23	Khandwa	1,044	28·938	—·034	29·971	29·005	30th	28·840	7th	·215	69·5	89·5	+2·0	61·0	+5·0	75·2	+3·5	28·5	95·0	9th	52·3	5th	42·7
	Hoshangabad	1,006	29·001	—·033	29·995	29·055	29th	28·888	7th	·197	66·2	85·4	+1·1	59·9	+5·2	72·6	+2·1	25·5	88·9	10th	51·8	29th	37·1
	Saugor	1,817	28·190	—·031	29·975	28·279	30th	28·074	7th	·205	68·9	84·1	+1·3	59·3	+1·5	71·7	+1·7	24·8	89·0	1st	52·2	28th	36·8
	Jubbulpore	1,327	29·653	—·033	29·981	28·785	30th	28·574	7th	·211	65·5	82·3	+0·3	58·3	+5·8	70·3	+3·1	24·0	88·9	10th	46·3	29th	40·6
	Seoni	2,033	27·957	—·023	29·971	28·066	30th	27·863	7th	·203	68·8	81·1	—0·6?	59·3	+4·2	70·2	+1·8?	21·8	85·9	9th	48·3	29th	37·6
	Nagpur	1,017	28·566	—·043	29·952	29·080	30th	28·850	7th	·230	71·7	8[illegible]·9	+1·5	65·0	+5·4	76·0	+3·5	21·9	91·7	10th	53·8	30th	37·9
24	Pendra	2,040	2[illegible]	—·028	29·981	28·05[illegible]	30th	27·853	7th	·1[illegible]7	66·4	79·6	+0·1	60·0	+4·8	69·8	+2·5	13·6	85·8	8th	48·2	29th	37·6

N.B. Elevations in italics indicate barometrical determinations.

B—*continued.*

stations in India, etc., in November, 1915—*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 November, 1915.	Normal rainfall for period, 1st May to 30th November.	Departure from normal of period, 1st May to 30th November, 1915.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																X.—Bombay.
0	1	17	11	1	0	0	0	0	N 62° E	N 81° E	6·0	5·3	+0·7	86	+23	34	− 7	·268	−·046	0·2	−0·6	0	0·2	−0·2	0	0·12	− 0·12	6·96	23·68	−16·72	0	Deesa.
22	4	2	1	0	0	0	1	0	N 23° E	N 34° W	2·5	4·0	−1·5	10	−25	38	−20?	·321	−·148?	0	−1·0	0	0·2	−0·2	0	0·10	− 0·10	4·67	13·71	− 9·04	0	Bhuj.
5	1	14	9	1	0	0	0	0	N 62° E		5·3			74		91	+37?	·814	+·354?	0·2	−0·3	0	0	0	0	0	0	9·82	18·86	− 9·04	0	Jamnagar.
0	14	12	3	0	0	0	0	1	N 25° E		8·3			86		66	− 5	·587	−·064	1·0	−0·2	0	0	0	0	0	0	7·99	13·70	− 5·71	0	Dwarka.
4	8	11	6	0	0	0	0	1	N 38° E	N 48° E	3·8	3·7	+0·1	66	+19	42	− 8	·362	−·043	1·1	+0·2	0	0·3	−0·3	0	0·23	− 0·23	11·34	26·24	−14·90	0	Rajkot
3	12	13	1	0	0	0	0	1	N 23° E	N 22° E	4·7	4·2	+0·5	79	+ 9	46	− 8	·437	−·035	1·4	0	0	0·1	−0·1	0	0·28	− 0·28	10·57	17·76	− 7·19	0	Veraval.
11	3	5	0	0	0	0	1	10	N 18° W	N 60° W	2·0	4·7	−2·7	48	− 5	52	− 2	·445	+·030	1·5	+0·2	0	0·2	−0·2	0	0·19	− 0·19	10·95	20·16	− 9·21	0	Bhavnagar Para
5	3	9	9	3	1	0	0	0	N 71° E	N 55° E	1·9	3·4	−1·5	59	+ 6	65	+ 5	·565	+·077	2·0	+1·2	0	0·3	−0·3	0	0·12	− 0·12	27·44	40·85	−13·41	0	Surat.
2	0	12	5	9	0	0	0	2	N 79° E	N 55° E	4·0	3·1	+0·9	59	− 1	32	−14	·301	−·076	0·4	−0·9	0	0·3	−0·3	0	0·15	− 0·15	11·75	29·35	−17·60	0	Ahmadabad.
0	2	13	12	3	0	0	0	0	N 69° E	N 73° E	5·2	7·0	−1·8	79	+ 1	78	+ 5	·757	+·083	2·2	+0·5	0	0·7	−0·7	0·02	0·28	− 0·36	76·56	71·61	+ 4·95	0·01	Bombay.
2	2	4	11	9	2	0	0	0	S 80° E	S 78° E	5·4	5·5	−0·1	66	+ 3	59	+ 1	·631	+·067	2·7	+1·0	1	0·9	+0·1	0·81	0·46	+ 0·35	101·25	100·84	+ 0·41	0·80	Ratnagiri.
6	3	7	13	1	0	0	0	0	N 69° E	S 84° E	3·9	5·3	−1·4	66	−12	87	+ 7	·804	+·083	4·8	+2·7	3	1·7	+1·3	0·94	0·96	− 0·02	86·50	92·75	− 6·25	0·38	Marmagao.
29	1	0	0	0	0	0	0	0	N	N 65° E	0·3	2·0	−1·7	3	−67	87	+ 6	·764	+·103	4·7	+2·7	3	2·5	+0·5	1·07	1·67	− 0·60	100·47	121·62	−21·15	0·65	Karwar
22	1	3	2	0	0	2	0	0	N 57° E	N 74° W	2·3	3·5	−1·2	10	−42	58	+ 7	·481	+·113	3·0	+1·4	1	0·9	+0·1	0·15	0·41	− 0·26	21·80	22·12	− 0·32	0·14	Malegaon.
2	3	4	2	5	4	2	4	3	S 18° E	N 76° E	4·3	4·8	−0·5	1	−14	61	+ 5	·493	+·080	2·6	+0·9	3	0·9	+2·1	0·64	0·50	+ 0·14	34·53	21·00	+13·53	0·35	Ahmadnagar.
0	0	0	0	0	0	30	0	0	S 45° W	S 76° E	5·4	4·6	+0·8	96	+69	74	+13	·574	+·154?	0·7	−1·1?	1	1·6	−0·6	0·33	0·82	− 0·49	35·23	26·29	+ 8·94	0·33	Poona.
3	9	10	9	7	0	0	1	0	N 84° E	S 87° E	6·6	6·1	+0·5	66	+ 2	63	+12	·547	+·134	2·8	+0·2	2	1·3	+0·7	0·89	0·89	0	26·80	28·17	− 1·37	0·58	Sholapur.
6	3	10	4	5	1	1	0	0	N 71° E	S 76° E	2·2	2·6	−0·4	49	− 5	68	+ 3	·548	+·048?	3·1	+0·8	1	1·6	−0·6	0·39	0·89	− 0·50	24·94	19·45	+ 5·49	0·37	Bijapur.
24	0	1	4	1	0	0	0	0	E	S 87° E	4·9†	7·9	−3·0	18	−40	76	+14	·575	+·116	4·2	+1·5	1	2·0	−1·0	0·94	1·47	− 0·53	48·89	47·12	+ 1·77	0·94	Belgaum.
																																XI.—Central India.
12	0	0	18	0	0	0	0	0	E	N 51° E	3·3	3·9	−0·6	60	+12	36	−10	·267	−·051	0·2	−0·7	0	0·2	−0·2	0	0·15	− 0·15	15·81	27·80	−11·99	0	Neemuch
16	0	7	3	3	1	0	0	0	N 80° E	N 45° E	2·0	1·4	+0·6	33	+15	57	+ 2	·398	+·019	0·4	−0·7	1	0·5	+0·5	0·11	0·30	− 0·19	27·31	32·05	− 4·74	0·11	Indore.
19	2	3	0	0	1	1	3	1	N 37° W	N 53° W	0·6	0·7	−0·1	13	0	75	+ 5	·400	+·010	1·9	+0·8	0	0·6	−0·6	0·01	0·33	− 0·32	46·43	41·21	+ 5·22	0·01	Nowgong.
15	0	3	3	2	2	0	5	0	S 49° E	N 13° W	1·7	2·3	−0·6	3	−44	74	+10	·455	+·078	1·6	+0·3	0	0·7	−0·7	0·01	0·33	− 0·32	42·94	41·78	+ 1·16	0·01	Sutna.
																																XII.—Central Provinces.
1	0	6	13	10	0	0	0	0	S 83° E		1·5	3·7	−2·2	80		73		·619		2·7		0	0·9	−0·9	0·05	0·56	− 0·51	33·35	33·54	− 0·19	0·05	Buldana.
9	0	3	12	5	1	0	0	0	S 82° E	N 89° E	3·0	2·6	+0·4	59	+19	59	+ 3	·496	+·108	2·4	+1·0	1	0·7	+0·3	0·16	0·43	+ 0·03	27·58	31·01	− 3·43	0·46	Akola.
2	0	16	11	1	0	0	0	0	N 65° E	N 67° E	4·3	2·8	+1·5	82	+31	57	+ 8	·483	+·100	2·5	+1·0	0	0·9	−0·9	0	0·51	− 0·51	32·44	32·05	+ 0·39	0	Amraoti.
30	0	0	0	0	0	0	0	0	Calm	N 74° E	3·2†	2·0	+1·2	*a*		63	+ 8	·456	+·101	1·9	+0·6	0	0·8	−0·8	0	0·39	− 0·39	23·75	29·01	− 5·26	0	Khandwa.
2	0	16	9	3	0	0	0	0	N 68° E	N 66° E	1·8	1·5	+0·3	79	+19	65	0	·424	+·035	1·4	+0·2	0	0·7	−0·7	0	0·43	− 0·43	44·22	47·62	− 3·40	0	Hoshangabad.
1	0	8	8	8	5	0	0	0	S 75° E	S 73° E	4·4	2·0	+2·4	62	+29	48	− 1	·334	+·004	1·5	+0·5	0	0·6	−0·6	0·09	0·40	− 0·31	42·83	44·03	− 1·20	0·09	Saugor.
10	6	5	1	5	3	0	0	0	N 69° E	S 37° E	1·4	1·2	+0·2	27	−14	72	− 1	·460	+·065	1·6	+0·5	0	0·8	−0·8	0·05	0·43	− 0·38	70·84	53·08	+17·76	0·05	Jubbulpore.
10	7	9	3	1	0	0	0	0	N 39° E	N 36° E	3·1	1·7	+1·4	53	+10	65	+ 5	·462	+·078	2·3	+1·0	1	0·8	+0·2	0·58	0·53	+ 0·05	49·56	49·61	− 0·05	0·54	Seoni
1	13	8	5	2	0	0	0	1	N 32° E	N 21° E	3·3	2·7	+0·6	69	+39	65	+ 6	·508	+·098	2·8	+1·1	0	1·0	−1·0	0	0·68	− 0·68	46·78	46·77	+ 0·01	0	Nagpur.
22	4	0	0	0	0	0	0	4	N 24° W		0·7			27		72	+16	·469	+·125	3·6	+2·0	2	0·5	+1·5	1·16	0·20	+ 0·96	52·15	45·81	+ 6·34	0·60	Pendra.

† Mean of 29 days.
a Indeterminate.

Table

(2) Abstract of observations taken at 8 hrs. at 212

Number of sub-division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	XII.—Central Provinces *—concld.*																						
	Raipur	970	28·999	−·054	29·940	29·144	30th	28·881	6th	·263	70·2	84·8	+1·6	65·5	+5·3	75·2	+3·5	19·3	89·7	9th	53·6	30th	36·1
	Chanda	*634*	29·331	−·073	29·924	29·464	30th	29·180	6th	·284	72·9	86·7	+1·3	65·5	+7·1	76·1	+4·2	21·2	89·9	8th	51·4	30th	38·5
	Jagdalpur	1,813	28·142		29·905	28·243	10th	27·987	5th	·256	72·3	83·1		65·9		74·5		17·2	87·2	7th, 9th & 10th.	57·1	30th	30·1
	XIII.—Hyderabad.																						
27	Aurangabad	1,905	28·078	−·058	29·922	28·174	30th	27·959	7th	·215	75·4	86·9	+0·2	64·4	+5·9	75·6	+3·1	22·5	91·6	10th	53·0	14th	38·6
	Nizamabad	1,248	28·711		29·916	28·835	30th	28·541	6th	·294	74·0	86·2	+1·2	65·8	+6·5	76·0	+3·9	20·4	88·8	3rd & 11th.	54·9	30th	33·9
	Bidar	*2,185*									73·6	84·2	+1·4	66·7	+4·0	75·4	+2·7	17·5	87·5	11th	60·4	30th	27·1
28	Gulbarga	1,503	28·447	−·059	29·899	28·568	30th	28·244	6th	·324	74·0	88·5	+1·1	66·8	+4·3	77·7	+2·7	21·7	92·0	28th	55·3	30th	36·7
	Raichur	*1,311*	28·632	−·048	29·890	28·768	30th	28·371	6th	·297	76·1	87·6	+1·1	70·1	+2·9	78·9	+2·0	17·5	92·0	3rd	62·7	30th	29·3
	Hyderabad (Deccan)	1,708	28·207	−·063	29·891	28·333	30th	28·009	6th	·324	73·0	84·5	−0·2	68·3	+6·1	76·4	+2·9	16·2	89·4	4th	58·5	30th	30·9
	Hanamkonda	877	29·082	−·055	29·913	29·208	30th	28·901	5th	·307	75·9	86·2	+0·5	70·9	+6·9	78·5	+3·7	15·3	89·9	10th	60·2	30th	29·7
	XIV.—Mysore.																						
21	Chitaldrug	2,405	27·654	−·039	29·875	27·657	30th	27·368	6th	·289	72·0	82·2	−0·7	66·9	+2·8	74·6	+1·1	15·3	86·2	4th, 10th & 11th.	61·6	16th	24·6
	Hassan	3,149	26·837	−·042	29·863	26·940	30th	26·691	6th	·249	69·1	80·1	−0·2	64·0	+4·0	72·1	+1·9	16·1	84·3	11th	59·9	2nd & 17th.	24·4
	Bangalore	3,021	26·856	−·051	29·862	27·055	30th	26·788	6th	·267	69·7	80·1	+0·5	64·4	+2·5	72·2	+1·5	15·7	85·3	3rd	58·8	17th	26·5
	Mysore	2,518	27·437	−·051	29·859	27·540	30th	27·299	6th	·241	72·1	82·6	0	66·3	+2·3	74·5	+1·1	16·3	85·0	4 days.	62·8	18th	22·2
	XV.—Madras.																						
30	Mangalore	72	29·862	−·044	29·866	29·947	30th	29·748	6th	·199	79·2	85·9	−2·2	74·3	+1·8	80·1	−0·2	11·6	89·9	30th	71·4	3rd	18·5
	Calicut	27	29·896	−·043	29·852	29·981	30th	29·799	6th	·182	78·1	85·3	−1·8	75·3*	+1·6*	80·2*	0	10·0	88·5	11th	71·7	8th	16·8
	Cochin	9	29·925	−·033	29·864	29·989	30th	29·844	5th	·145	78·9	85·6	−1·1	75·0	+0·6	80·8	−0·3	11·6	89·6	11th	71·7	28th	17·9
	Trivandrum	198	28·733	−·030	29·862	29·794	29th	29·652	5th	·142	78·0	83·9	+1·3	74·8	+0·7	79·4	+1·0	9·1	86·5	25th	73·0	22nd	13·5
31	Pamban	37	29·872	−·057	29·837	29·969	30th	29·748	5th	·221	80·1	87·0	+2·1	76·7	+1·0	81·9	+1·5	10·3	88·7	6th & 24th.	74·5	19th & 21st.	14·2
	Madura	447	29·467	−·062	29·849	29·565	30th	29·343	6th	·222	78·6	87·1	−0·3	75·2	+2·8	81·2	+1·3	11·9	91·1	11th	73·1	2nd	18·0
	Pudukkottai	318	29·606	−·059	29·858	29·696	30th	29·454	5th	·242	78·6	88·4	+1·9	73·7	+1·8	81·0	+1·9	14·7	94·1	7th & 9th.	71·4	21st	22·7
	Negapatam	31	29·885	−·054	29·845	29·978	30th	29·720	5th	·258	79·6	86·1	+1·6	75·4	+1·1	80·7	+1·3	10·7	90·8	3rd & 7th.	72·7	20th & 22nd.	18·1
	Trichinopoly	255	29·669	−·056	29·853	29·789	30th	29·508	5th	·281	78·7	88·1	+0·8	74·3	+2·4	81·2	+1·6	13·8	95·5	7th	71·1	23rd	24·4
	Coimbatore	1,341	28·599	−·036	29·880	28·707	29th	28·458	6th	·249	75·3	85·7	−0·3	70·6	+1·8	78·2	+0·7	15·1	90·0	10th	68·3	19th	21·7
	Salem	913	29·016	−·043	29·870	29·125	30th	28·863	5th	·262	76·6	87·5	0	71·7	+3·0	79·6	+1·5	15·8	92·0	7th	66·1	30th	25·9
	Cuddalore	37	29·882	−·062	29·849	29·993	30th	29·669	5th	·324	78·5	86·0	+1·0	75·2	+3·2	80·6	+2·1	10·8	94·9	3rd	72·0	28th	22·9
	Vellore	707	29·224	−·059	29·875	29·341	30th	29·028	5th	·313	76·6	85·8	+1·3	70·6	+1·9	78·2	+1·6	15·2	92·1	3rd	65·4	16th	26·7
	Madras	22	29·886	−·071	29·850	30·019	30th	29·657	5th	·362	78·8	86·2	+1·0	74·0	+1·8	80·1	+1·4	12·2	92·6	2nd	71·1	6th & 14th.	21·5
32	Cuddapah	428	29·493	−·078	29·363	29·628	30th	29·248	6th	·380	77·6	87·7	−1·0	73·4	+4·2	80·5	+1·6	14·3	94·6	1st	65·3	16th	28·3

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

* Mean of 29 days.

B.—*continued.*

stations in India, etc., in November, 1915—*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 November, 1915.	Normal rainfall for period, 1st May to 30th November, 1915.	Departure from normal of period, 1st May to 30th November, 1915.	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.—Central Provinces—*concld.*
4	6	7	9	3	0	0	0	1	N 58° E	N 40° E	2·5	2·3	+0·2	56	+33	78	+13	·583	+·139	2·0	+0·3	1	1·0	0	0·33	0·42	−0·09	52·39	47·56	+4·83	0·21	Raipur.
20	4	1	0	0	0	0	0	5	N 19° W	N 39° E	4·2	1·2	+3·0	27	− 2	79	+ 8	·655	+·169	3·7	+1·7	2	1·5	+0·5	0·62	0·77	−0·15	39·30	50·77	−11·47	0·43	Chanda.
9	3	8	4	2	1	0	2	1	N 50° E		2·2			33		81		·649		4·8		1			0·49			52·12			0·38	Jagdalpur.
																																XIII.—Hyderabad.
0	0	3	16	10	0	0	1	0	S 78° E		5·2			79		57	+ 9	·504	+·111	3·8	+2·3	1	0·6	+0·4	0·64	0·57	+0·17	30·13	27·13	+3·00	0·57	Aurangabad.
9	5	6	2	4	3	1	0	0	N 71° E		2·8			27		72	+ 3	·507	+·083	4·3	+2·3	2	0·9	+1·1	0·78	0·62	+0·16	34·97	38·72	−3·75	0·68	Nizamabad.
4	2	9	9	4	2	1	0	0	N 81° E		4·7			60		2	+ 9	·600	+·102	3·8	+1·9	1	1·5	−0·5	0·24	1·00	−0·76	30·74	34·94	−4·20	0·15	Bidar.
1	4	9	13	2	1	0	0	0	N 69° E	N 81° E	5·9	5·8	+0·1	72	+23	68	+ 5	·566	+·069	2·8	+0·6	2	1·1	+0·9	0·30	0·61	−0·01	21·84	31·21	−9·37	0·38	Gulbarga.
1	2	15	7	4	1	0	0	0	N 67° E	N 83° E	5·7	5·3	+0·4	72	+ 8	77	+13	·689	+·148	3·5	+0·9	2	1·6	+0·4	1·40	0·72	+0·68	23·88	27·03	−3·15	1·15	Raichur.
9	0	18	0	2	0	0	0	1	N 48° E	S 72° E	4·2	2·6	+1·6	59	+36	82	+13	·662	+·152	6·2	+3·6	3	2·0	+1·0	0·79	0·86	−0·09	51·51	28·99	+22·52	0·37	Hyderabad (Deccan).
0	10	1	1	5	1	0	0	9	N 7° W		3·2			30		70	+ 7	·627	+·116	5·0	+2·2	3	1·1	+1·9	0·45	0·65	−0·20	34·79	32·66	+2·13	0·16	Hanamkonda.
																																XIV.—Mysore.
7	0	4	8	4	0	2	3	2	E	S 81° E	3·6	4·5	−0·9	26	−39	80	+11	·620	+·073	7·2	+3·1	6	3·1	+2·9	3·04	1·83	+1·21	21·86	23·29	−1·43	0·99	Chitaldrug.
3	2	4	9	4	1	1	2	4	N 72° E	N 77° E	3·5	2·2	+1·3	30	−45	83	+ 7	·588	+·037	6·6	+1·4	8	4·9	+4·0	4·89	2·65	+1·64	31·59	32·32	−0·72	1·65	Hassan.
1	2	9	8	1	0	2	4	3	N 42° E	N 71° E	5·1	3·7	+1·4	33	−41	82	+ 4	·598	+·048	6·7	+2·0	8	4·5	+3·5	3·31	2·83	+0·48	33·23	32·74	+0·49	1·00	Bangalore.
4	1	7	5	3	2	3	4	1	N 85° E	N 67° E	4·5	6·3	−1·8	17	−50	79	+ 2	·622	+·037	5·7	−0·2	6	3·2	+2·8	5·61	2·07	+3·54	39·73	27·71	+12·02	4·14	Mysore.
																																XV.—Madras.
0	1	5	19	4	1	0	0	0	N 88° E	S 82° E	3·8	1·9	+1·9	82	+ 5	82	+ 9	·816	+·088	5·2	+1·7	10	4·1	+5·9	8·15	2·79	+5·36	106·04	124·92	−18·88	8·03	Mangalore.
3	1	6	19	4	1	1	1	3	N 78° E	N 87° E	3·4	4·8	−1·4	42	−31	90	+ 8	·861	+·068	5·3	+1·1	12	5·9	+6·1	13·02	4·75	+8·27	114·88	110·89	+3·99	1·76	Calicut.
1	0	9	14	5	0	1	0	0	N 85° E	N 89° E	3·8	3·0	+0·8	76	+ 9	84	+ 4	·826	+·089	6·0	+1·8	14	8·4	+5·6	8·19	6·29	+1·90	114·45	103·55	+10·90	1·13	Cochin.
15	7	3	1	1	0	0	1	2	N 9° E	N 5° W	3·2	2·6	+0·6	33	+ 7	85	0	·811	+·044	8·6	+3·0	14	9·1	+4·9	11·44	6·23	+5·21	76·82	53·44	+23·38	3·17	Trivandrum.
4	3	6	0	0	2	4	4	7	N 46° W	N 21° E	7·0	7·4	−0·4	33	−19	85	0	·863	+·002	5·1	+0·4	14	12·4	+1·6	12·85	11·18	+1·67	22·76	24·19	−1·43	1·88	Pamban.
0	7	5	1	1	1	1	7	7	N 30° W	N 3° E	2·6	4·8	−2·2	49	−21	84	+ 7	·821	+·077	7·9	+2·8	13	7·3	+5·7	11·96	4·64	+7·32	38·46	28·77	+9·69	1·76	Madura.
8	5	9	0	1	1	0	1	5	N 13° E		3·5			43		81	+ 1	·788	+·048	7·0	+0·9	8	8·2	−0·2	5·83	5·30	+0·53	27·97	28·90	−0·93	1·81	Pudukkottai.
0	4	5	0	1	0	6	9	5	N 64° W	N 30° W	5·2	4·2	+1·0	46	− 2	87	+ 5	·882	+·070	7·2	+0·7	15	12·0	+3·0	13·20	15·38	−2·08	26·40	38·73	−12·33	2·61	Negapatam.
6	3	4	0	0	0	5	7	5	N 62° W	N 13° E	2·4	2·8	−0·4	43	+ 6	83	+ 4	·816	+·065	5·8	+0·4	11	7·8	+3·2	9·86	4·89	+4·97	31·52	26·69	+4·83	3·00	Trichinopoly.
14	1	5	2	0	3	4	1	0	S 52° E	N 81° E	1·7	1·8	−0·1	7	−41	82	− 3	·713	−·004	4·4	−0·9	10	6·5	+3·5	6·09	3·19	+2·90	21·66	17·87	+3·79	1·47	Coimbatore.
23	0	0	2	0	1	0	4	0	S 63° W	N 50° E	2·6	2·3	+0·3	7	−20	81	+ 6	·767	+·057	6·3	+1·4	8	5·8	+2·2	5·30	3·54	+1·76	41·11	35·86	+5·22	1·7[illegible]	Salem.
15	0	1	0	0	3	2	1	8	N 75° W	N 25° W	3·2	1·6	+1·6	23	−47	85	− 2	·818	+·005	6·7	+1·7	13	10·8	+2·7	15·11	12·03	+3·08	28·52	40·50	−11·98	3·13	Cuddalore.
23	0	1	0	0	0	1	4	1	N 81° W		2·0			16		86	+ 2	·780	+·070	5·0	+0·8	13	7·6	+5·4	10·20	5·23	+5·07	37·81	38·57	−0·76	3·86	Vellore.
2	9	1	0	0	2	3	4	9	N 45° W	N 1° E	3·5	4·7	−1·2	56	− 7	87	+ 4	·852	+·060	5·7	+0·3	18	11·0	+7·0	20·77	12·78	+7·99	45·51	41·20	+4·31	2·84	Madras.
1	1	2	3	9	3	0	3	8	S 59° E	N 89° E				7	−34	81	+ 6	·764	+·078	5·1	+1·0	6	5·2	+2·8	9·32	3·26	+6·06	28·83	29·51	−0·68	3·82	Cuddapah.

Table

(2) Abstract of observations taken at 8 hrs. at 212

Number of sub-division.	Station.	Elevation of barometer above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean of 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
	XV.—Madras—*concld.*																						
	Bellary	1,475	28·451	−·068	29·870	28·580	30th	28·122	6th	·458	74·9	86·4	−1·0	69·4	+3·7	77·9	+1·3	17·0	92·1	4th	63·7	30th	28·4
	Kurnool	923	29·018	−·053	29·891	29·159	30th	28·730	6th	·429	75·0	87·3	−0·9	70·8	+6·6	79·0	+2·9	16·5	92·1	4th	62·6	16th & 30th.	29·5
33	Nellore	66	29·646	−·085	29·847	29·981	30th	29·535	5th	·446	77·6	85·6	−0·5	73·9	+2·4	79·8	+0·9	11·7	97·9	2nd	67·1	6th	30·8
	Masulipatam	15	29·921	−·079	29·871	30·065	30th	29·594	5th	·471	78·0	85·4	+0·1	74·1	+3·0	79·7	+1·5	11·3	91·8	4th	71·0	15th	20·8
	Cocanada	26	29·911	−·073	29·874	30·051	30th	29·626	5th	·425	77·6	84·2	+1·3	74·4	+3·7	79·3	+2·5	9·8	89·7	1st	69·8	30th	19·9
	Waltair (Vizagapatam)	*226*	29·722	−·064	29·891	29·561	30th	29·517	5th	·314	78·6	84·4	0	74·6	+2·3	79·5	+1·1	9·8	91·0	4th	68·1	30th	22·9
	Calingapatam	19	29·939		29·896	30·086	30th	29·751	16th	·335	77·1	83·6		74·0		78·8		9·6	88·9	4th	68·8	30th	20·1
	Gopalpur	33	29·933	−·058	29·907	30·071	30th	29·730	16th	·341	75·6	83·6	+0·1	73·5	+7·2	78·5	+3·7	10·1	90·7	2nd	63·1	30th	27·6
	Bay Islands.																						
1	P. V. Fraser	8	29·963		29·913	30·080	20th	29·825	5th	·255	81·2												
	Port Blair	58	29·865	−·030	29·853	29·937	20th	29·713	1st	·224	80·9	86·5	−0·1	77·0	0	81·7	−0·1	9·5	89·0	10th	74·7	27th	14·3
	Table Island	90	29·835	−·025	29·859	29·909	21st	29·683	1st	·226	81·4	85·7	+0·3	78·5	+1·0	82·1	+0·7	7·2	87·3	9th	75·2	2nd & 3rd.	12·1
	Kashmir.																						
13	Muzaffarabad		27·652			27·778	20th	27·516	7th	·262	51·4	79·3		44·8		62·1		34·5	85·8	1st	38·1	27th	47·7
	Srinagar	5,204	25·028	−·006	24·999	25·149	21st	24·939	7th	·210	35·9	64·3	+3·0	29·3	−2·8	46·8	+0·1	35·0	72·4	1st	22·5	27th	49·9
	Dras	*10,059*	20·914	+·016	20·882	21·016	22nd	20·808	26th	·208	21·7	46·7	+2·4	19·0	+3·1	32·8	+2·7	27·7	54·9	6th	13·0	20th	41·9
	Leh	*11,503*	19·818	+·020	19·786	19·934	22nd	19·702	26th	·232	30·2	51·3	+3·6	21·7	+1·0	36·5	+2·3	29·6	58·7	4th	16·3	23rd & 27th.	42·4
	Skardu	*7,505*	23·016	−·017	22·986	23·177	22nd	22·922	26th	·255	31·8	57·5	+2·7	29·4	−0·8	43·4	+0·9	28·1	64·1	6th	22·5	27th	41·6
	Gilgit	4,890	25·318	+·004	25·291	25·483	22nd	25·230	7th	·253	48·1	67·9	+4·6	41·5	−1·3	54·7	+1·7	26·4	76·7	1st	34·2	27th	42·5
	Baluchistan.																						
15	Fort Sandeman	4,614	25·526		25·495	25·641	20th	25·418	7th	·223	42·2	76·3		38·0		57·1		38·3	86·0	1st	32·1	23rd	53·9
	Quetta	5,502	24·741	−·025	24·711	24·860	20th	24·670	8th	·190	30·0	69·9	+4·1	28·4	−4·8	49·2	−0·3	41·5	76·0	1st	24·5	24th	51·5
	Chaman	4,311	25·809	−·014	25·771	25·931	20th	25·705	8th	·226	48·4	71·4	+4·0	43·3	+0·6	57·4	+2·3	28·1	76·8	1st, 12th & 13th.	35·7	24th	41·1
	Kalat	6,672	23·851		23·813	23·934	20th	23·766	27th	·168	29·9	68·8	+1·6	27·1	0	47·9	+0·8	41·7	74·8	1st & 12th	21·9	24th	52·9
	Dalbandin	2,772	27·252		27·215	27·386	20th	27·145	8th	·241	44·8	79·1		38·1		58·6		41·0	85·9	13th	29·3	24th	56·6
	Pasni		30·024		29·984	30·112	20th	29·893	1st	·219	66·7	85·8		57·2		71·5		28·6	92·3	16th	51·1	24th	41·2
	Panjgur		26·864		26·822	26·984	31st	26·759	8th	·225	45·9	80·4		44·2		62·3		36·2	87·0	9th	39·0	24th	48·0
	Robat		27·010		26·968	27·170	20th	26·847	8th	·323	52·2	80·5		50·2		65·3		30·3	90·6	1st	41·2	24th	49·4
	Hill stations, excluding Kashmir and Baluchistan.																						
	Para Chinar	6,000	24·533	−·017	24·509	24·605	21st	24·450	1st	·155	51·6	68·5	+2·9	38·6	−2·4	53·5	+0·3	29·9	86·0	1st	33·1	25th	52·9
	Cherat	*4,256*	25·839	+·016	25·807	25·951	20th	25·731	7th	·220	56·6	68·5	+1·5	49·3	−0·6	58·9	+0·5	19·2	77·5	1st	43·5	23rd	34·0
	Drosh		25·252*			25·375	21st	25·150	1st & 7th.	·225	47·1	67·8	+2·2	45·7	+1·3	56·7	+1·7	22·1	80·1	1st	39·8	26th & 27th.	40·3
	Murree	6,333	23·951	+·008	23·919	24·057	20th	23·858	26th	·199	52·5	61·6	+0·8	48·9	+3·4	55·3	+2·1	12·7	67·1	1st	43·5	30th	23·6

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

* Aneroid.

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

B—*continued.*

stations in India, etc., in November, 1915—*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 November, 1915.	Normal rainfall for period 1st May to 30th November.	Departure from normal of period, 1st May to 30th November, 1915.	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
																																XV.—Madras—*concld.*
6	5	4	4	3	1	1	0	6	N 26° E	S 85° E	3·1	2·3	+0·8	30	− 3	76	+11	·651	+·120	5·1	+1·2	7	3·1	+3·9	7·27	1·96	+5·31	32·08	18·63	+13·45	3·64	Bellary.
14	1	6	4	2	0	1	1	1	N 62° E	N 34° W	2·3			27	+26	76	+ 4	·664	+·085	3·8	+1·0	4	2·1	+1·9	3·59	1·08	+2·51	22·90	25·36	−2·46	2·30	Kurnool.
11	5	3	0	1	1	1	1	7	N 22° W	N 44° W	2·8	3·4	−0·6	37	−18	90	+ 7	·839	+·068	6·2	−0·2	15	7·5	+7·5	33·65	8·74	+29·91	51·41	29·79	+21·62	8·47	Nellore.
2	10	9	2	1	1	0	2	3	N 16° E	N 14° E	4·9	3·9	+1·0	59	−19	87	+ 7	·826	+·091	5·3	+1·6	12	4·3	+7·7	20·73	5·01	+15·72	60·71	37·45	+23·26	4·12	Masulipatam.
6	5	13	1	1	0	0	1	3	N 27° E	N 12° E	7·6	7·3	+0·3	56	−27	88	+14	·836	+·173	6·5	+2·9	12	4·3	+7·7	13·96	5·01	+8·92	43·65	36·17	+7·48	2·23	Cocanada.
6	13	7	1	1	0	0	1	1	N 16° E	N 15° W	5·0			62	+19	78	+15	·762	+·169	5·6	+1·7	11	3·1	+7·9	9·50	3·19	+6·31	52·47	33·27	+18·90	2·34	Waltair (Vizagapatam).
1	10	7	3	1	0	0	1	7	N 8° E		6·2‖			62		87		·811		4·3		10	0·6	+9·4	15·16	1·40	+10·76	51·06	30·55	+20·51	6·39	Calingapatam.
1	14	3	0	0	0	0	0	12	N 15° W	N 25° W	7·0	6·1	+0·9	86	− 1	89	+11	·790	+·174	4·9	+3·3	11	2·8	+8·2	18·75	3·42	+15·33	61·07	41·84	+19·23	6·53	Gopalpur.
																																Bay Islands.
1	5	14	6	1	1	0	1	1	N 47° E					67		81		·870		4·6		8			12·49			46·03			5·22	P. V. Fraser.
10	2	5	4	3	3	2	0	1	S 88° E	N 72° E	5·5	4·9	+0·6	25	+ 5	83	− 2	·880	0	6·9	+1·1	14	12·2	+1·8	10·17	9·94	+0·23	88·55	106·01	−17·46	1·84	Port Blair.
1	1	4	12	9	2	1	0	0	S 76° E		8·1			66		78	− 2	·825	−·014	6·0	−0·6	7	6·5	+0·5	6·35	5·55	+0·80	57·73	75·93	−18·20	1·53	Table Island.
																																Kashmir.
28	0	0	0	0	1	1	0	0	S 27° W		5·1			7		56		·214		0·6		0			0			30·21			0	Muzaffarabad.
19	1	1	1	5	2	1	0	0	S 45° E	S 53° E	1·5	1·9	−0·4	23	0	76*	−11	·175*	−·014	0·9	−1·5	0	1·1	−1·1	0	0·35	−0·35	5·12	12·89	−7·77	0	Srinagar.
27	0	0	0	0	0	1	1	1	W		2·0			8		?	?	?	?	1·6	−1·1	0	1·0	−1·0	0·03	0·30	−0·27	3·17	7·12	−3·95	0·03	Dras.
22	2	6	0	0	0	0	0	0	N 34° E	S 46° W	2·8	1·5	+1·3	23	+ 9	?	?	?	?	1·8	−1·6	1	0·2	+0·8	0·10	0·04	+0·06	1·02	1·86	−0·84	0·10	Leh.
28	0	0	0	1	0	0	0	1	(*a*)		1·0			(*a*)		?	?	?	?	1·7	−1·8	0	0·1	−0·1	0	0·04	−0·04	2·35	3·77	−1·32	0	Skardu.
30	0	0	0	0	0	0	0	0	Calm		0			(*a*)		51	+ 5	·172	+·020	0·8	−3·2	0	0·1	−0·1	0	0·04	−0·04	1·91	3·04	−1·13	0	Gilgit.
																																Baluchistan.
30	0	0	0	0	0	0	0	0	Calm		0·2			(*a*)		33†		·095†		0·2		0			0			3·30			0	Fort Sandeman.
23	0	2	2	3	0	0	0	0	S 85° E	S 18° W	1·2	1·5	−0·3	17	+12	?	?	?	?	0·2	−1·5	0	0·8	−0·8	0	0·29	−0·29	0·13	2·20	−2·07	0	Quetta.
1	0	0	23	6	0	0	0	0	S 82° E	S 61° E	4·0	4·7	−0·7	89	+26	23‡	−22	·080‡	−·085	0·3	−1·0	0	0·7	−0·7	0	0·22	−0·22	0	0·51	−0·51	0	Chaman.
30	0	0	0	0	0	0	0	0	Calm	S 20° W	3·8			(*a*)		?	?	?	?	0		0	0·8	−0·8	0	0·26	−0·26	1·14	1·67	−0·53	0	Kalat.
7	7	11	3	1	1	0	0	0	N 41° E		2·6			56		27§		·082§		0·1		0			0			0			0	Dalbandin.
7	7	0	1	0	0	0	6	9	N 40° W		4·0			56		76		·513		0·2		0			0			0·12			0	Pasni.
0	1	18	11	0	0	0	0	0	N 60° E		4·2			89		41		·127		0·1		0			0			0·43			0	Panjgur.
1	0	0	0	0	2	13	13	1	S 66° W		4·0			82		30		·115		0		0			0			0·14			0	Robat.
																																Hill stations, excluding Kashmir and Baluchistan
30	0	0	0	0	0	0	0	0	Calm		0·7			(*a*)		35	− 9	·134	−·034	0·8	−1·1	0	1·3	−1·3	0	0·48	−0·48	13·20	14·26	−1·06	0	Para Chinar.
6	21	0	0	0	0	0	0	3	N 5° W	N 13° W	4·7	8·5	−3·8	73	+ 9	29	−14	·131	−·060	0·9	−1·0	0	0·3	−0·3	0	0·08	−0·08	9·49	13·67	−4·18	0	Cherat.
30	0	0	0	0	0	0	0	0	Calm		0·6			(*a*)		51	+ 2	·166	+·008	1·7	−0·5	0	1·1	−1·1	0	0·33	−0·33	2·76	6·83	−4·07	0	Drosh.
10	10	1	1	7	0	0	0	1	N 43° E	N 75° E	4·0	4·2	−0·2	30	+23	29	− 9	·112	−·029	0·8	−1·3	0	1·0	−1·0	0	0·70	−0·70	45·90	40·12	+5·78	0	Murree.

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

* Mean of 22 days.
† " " 23 "
‡ " " 27 "

(*a*) Indeterminate.
§ Mean of 24 days.
‖ " " 25 "

Table

(2) Abstract of observations taken at 8 hrs. at 212

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
	Hill stations, excluding Kashmir and Baluchistan —*concld.*																						
	Simla	7,232	23·209	+·025	23·171	23·305	20th	23·104	26th	·201	52·0	58·2†	+2·1	47·1	+2·2	52·6	+2·1	11·1	64·6	7th	42·1	24th	22·5
	Sarain		23·252	+·017	23·214	23·345	20th	23·130	26th	·215	36·6	60·7	+2·4	34·4	−0·4	47·5	+1·0	26·3	65·9	1st & 8th.	29·1	28th	36·8
	Kalabagh																						
	Chakrata	7,072	23·507	?	23·467	23·604	20th	23·394	26th	·210													
	Mukteswar	7,592	22·916	+·020	22·905	23·039	20th	22·825	26th	·214	51·1	61·1	+0·7	45·3	+2·2	53·2	+1·5	15·8	66·5	1st	40·8	5 days	25·7
	Darjiling	7,432	23·065	+·028	23·020	23·146	13th	22·955	7th	·191	50·6	59·4*	+4·3*	46·1	+3·4	52·4*	+3·9	13·3	66·5	7th	41·0	29th	25·5
	Shillong	4,920	25·213	+·013	25·195	25·329	20th	25·141	7th	·188	59·2	68·6	+1·9	50·1	+3·8	59·3	+2·9	18·5	74·4	5th	39·7	30th	34·7
	Cherrapunji	4,309	25·789	+·009	25·740	25·879	20th	25·676	7th	·203	63·8	70·6	+2·9	56·7	+2·7	63·7	+2·8	13·9	79·9	5th	51·3	26th	28·6
	Maymyo	3,546	26·533	+·018	26·478	26·623	20th	26·409	7th	·214	62·4	75·8	+2·3	51·7	+2·5	65·2	+2·4	21·1	81·2	4th	47·1	27th	34·1
	Pachmarhi	3,528	26·523	−·045	26·470	26·589	20th	26·428	7th	·171	63·1	75·3	+1·5	51·7	+4·2	65·0	+2·9	20·6	80·0	9th & 10th.	45·1	12th	34·9
	Mount Abu	3,945	26·150	−·022	26·100	26·221	30th	26·064	7th	·157	68·5	75·3	+1·6	58·8	+0·5	67·1	+1·1	16·5	86·2	2nd	55·9	17th & 27th.	24·3
	Mercara	3,781	26·225	−·042	26·155	26·310	30th	26·109	6th	·201	66·1	75·9	−0·1	60·8	+0·6	68·3	+0·3	15·1	79·0	9th, 10th & 11th.	56·0	17th	23·0
	Ootacamund	7,227	23·056	−·019	22·992	23·118	30th	22·942	5th	·176	56·5	64·1	+0·8	50·1	+2·5	57·1	+1·7	14·0	68·5	26th	4[illegible]·9	29th	25·6
	Kodaikanal	7,688	22·831	−·022	22·769	22·886	30th	22·738	5th	·148	55·6	61·8	+0·8	51·7	+2·8	56·7	+1·8	10·1	67·1	19th	47·9	30th	19·2
	Extra India.																						
	Singapore (*a*)	10	29·814	−·101	29·775	29·899	9th	29·744	27th	·155	82·1	88·5	+1·3	74·5	+1·2	81·5	+1·3	14·0	92·0	27th & 28th	71·5	14th	20·5
	Penang (*a*)	17	29·841	−·084	29·783	29·912	21st	29·738	25th	·174	81·1	85·3	−1·2	72·9	−1·7	79·6	−1·5	13·4	91·0	1st	70·0	3rd	21·0
	Trincomalee	99	29·801	−·052	29·829	29·878	30th	29·679	4th	·199	76·6	88·8	+3·4	71·3	−0·3	81·5	+1·5	14·5	92·7	9th & 27th.	70·7	6th	22·0
	Colombo	24	29·904	−·037	29·854	29·954	30th	29·825	5th	·129	76·0	83·9	−2·7	73·8	−0·3	78·9	−1·5	10·1	86·6	27th.	71·2	18th	15·4
	Hambantota	64	29·861		29·851	29·908	30th	29·774	5th	·134	75·8	86·5		74·7		80·6		11·8	94·5	8th	72·6	29th	21·9
	Minicoy	7																					
	Amini Divi	13	29·917	−·042	29·858	29·994	30th	29·833	7th	·161	81·9	88·1	+2·1	76·8	+1·4	82·5	+1·7	11·3	91·6	9th	73·0	19th	18·6
	Gyantse†	13,120	18·581		18·542	18·672	12th	18·471	6th	·201	32·0	53·4		14·4		33·9		39·0	60·0	1st	6·2	5 days	53·8
	Pharijong	14,400																					
	Gangtok	5,667	24·559‡	−·014‡	24·513‡	24·630	12th	24·494	7th	·136	57·0	69·5	+4·8	50·6	+9·8	60·1	+7·2	18·9	76·5	1st	45·6	28th	30·9
	Gartok	15,100																					
	Kashgar	4,255	25·754 (*b*)	−·056		25·910	15th	25·500	13th	·410	30·9	54·9	+1·4	28·2	−0·8	41·5	+0·3	26·7	73·3	3rd	22·3	27th	51·0
	Kabul		24·292 (*b*)	−·008		24·410	21st	23·200	8th & 27th.	·210	35·1	76·4	+8·4	32·4	−1·7	54·4	+3·3	44·0	89·6	14th	27·8	25th	61·8
	Meshed	3,104	25·055		29·218	25·229	23rd	25·823	27th	·406	37·3	69·2	+6·9	32·7	−2·6	51·0	+4·1	36·5	78·8	8th	24·0	24th	54·8
	Jask	13	30·024	−·031	29·989	30·155	20th	29·896	1st	·259	71·9	85·7	+2·3	70·7	+1·7	78·2	+2·0	15·0	91·8	1st	67·1	24th	24·7
	Muscat	20	30·042	−·012	30·011	30·180	20th	29·923	1st	·257	75·1	86·4	+3·9	72·1	−3·1	79·2	+0·4	14·3	91·8	2nd	67·4	24th	24·4
	Bahrein	18																					
	Bushire	14	30·023	−·020	29·999	30·170	20th	29·912	8th	·253	65·5	78·2	+0·3	61·9	−0·4	70·0	−0·1	16·3	82·2	1st	58·6	22nd	23·6
	Basrah	25	30·069	−·029	30·064	30·225	19th	29·898	29th	·327	62·0	82·6	+7·3	52·7	−4·3	67·6	+1·5	29·9	93·8	14th	45·1	18th	48·7
	Kermân		24·575 (*b*)			24·710	20th	24·490	8th	·210	38·5	76·8		34·9		55·9		41·9	83·0	3rd, 4th & 5th.	29·8	2nd	53·2
	Ispahan	5,817																					
	Tehran	4,002																					
	Baghdad	127																					
	Beirut (*d*)																						
	Aden	94	29·927	−·024	29·955	30·017	22nd	29·847	8th	·170	77·2	85·9	+0·9	74·6	−0·2	80·2	+0·3	11·3	91·3	3rd	71·7	7th	19·6
	Zanzibar	72	29·932	+·014	29·930	30·075	3rd	29·900	30th	·175	80·6	84·9	+0·7	76·8	−0·4	80·8	+0·1	8·1	87·2	30th	72·2	27th	15·0

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.
(*d*) 8½ hrs. observations.

* Mean of 26 days.
† „ „ 29 „
‡ „ „ 25 „

B—*concluded.*

stations in India, etc., in November, 1915—*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 30th Nov., 1915.	Normal rainfall for period, 1st May to 30th November.	Departure from normal of period, 1st May to 30th November, 1915.	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
																																Hill stations, excluding Kashmir and Baluchistan—*concld.*
																39	−2	·150	+·011	0·2	−1·3	0	0·9	−0·9	0	0·45	−0·45	46·74	51·73	−4·99	0	Simla.
																69	+6	·151	+·011	0·8	−0·3	0	0·7	−0·7	0	0·36	−0·36	43·85	40·70	+3·15	0	Sanain.
																																Kalabagh.
																				0	−1·1	0	0·7	−0·7	0	0·43	−0·43	34·62*	58·05	−23·43	0	Chakrata.
3	0	0	11	6	4	5	1	0	S 43° E		4·2			53		47	0	·177	+·013	0·2	−1·1	0	0·2	−0·2	0	0·21	−0·21	47·28	42·20	+5·18	0	Mukteswar.
30	0	0	0	0	0	0	0	0	Calm	N 87° E	0·1	2·0	−1·9	(a)		75	−2	·275	+·013	2·8	−0·5	4	0·8	+3·2	1·33	0·29	+1·04	99·37	113·72	−14·35	0·30	Darjiling.
19	0	0	2	6	1	2	0	0	S 36° E		0·7			30		73	−2	·362	+·023	3·9	+2·0	3	2·8	+0·2	0·57	1·46	−0·89	93·79	76·51	+17·28	0·22	Shillong.
10	1	8	7	1	0	1	1	1	N 62° E		1·6			43		68	−2	·399	+·026	4·4	+2·2	1	1·7	−0·7	0·71	2·61	−1·90	486·50	364·81	+121·69	0·50	Cherrapunji.
30	0	0	0	0	0	0	0	0	Calm		1·1			(a)		93	+4	·532	+·018	2·3	−1·8	7	5·1	+1·9	5·89	3·04	+2·85	72·58	53·51	+19·07	3·18	Maymyo.
14	0	5	7	4	0	0	0	0	N 87° E	N 82° E	2·2	2·0	+0·2	43	+25	75	+20	·427	+·091	1·2	−0·3	3	0·9	+2·1	0·87	0·52	+0·35	80·22	72·89	+7·33	0·60	Pachmarhi.
21	0	4	1	3	0	0	1	0	N 82° E	N 27° E	2·4	3·2	−0·8	17	−10	36	−4	·249	−·012	0·2	−0·8	0	0·3	−0·3	0	0·22	−0·22	18·23	59·72	−41·49	0	Mount Abu.
8	0	11	10	0	0	0	0	1	N 64° E	N 71° E	2·6	3·8	−1·2	62	−8	86	+3	·547	+·031	6·8	+1·3	10	5·0	+5·0	8·54	2·73	+5·61	109·55	122·35	−12·79	2·97	Mercara.
16	0	1	4	4	2	0	1	2	S 62° E		1·7			20		87	+12	·396	+·061	7·3	+2·2	18	8·0	+10·0	8·44	3·79	+4·65	60·97	47·89	+13·08	2·01	Ootacamund.
0	2	7	3	7	0	0	5	6	N 36° E		6·9			23		94	+14	·415	+·068	7·5	+2·3	16	10·2	+5·8	8·03	6·50	+1·53	33·68	46·17	−7·49	1·22	Kodaikanal.
																																Extra India.
14	0	0	0	1	0	1	0	14	N 49° W					43						6·2	+0·4	15	13·3	+1·7	12·15	8·42	+3·73	47·[illegible]2	43·54	−0·92	2·32	Singapore.
																				6·9	+5·2	21	15·4	+5·6	18·87	13·06	+5·81	90·86	77·71	+13·15	3·91	Penang
6	0	1	2	0	0	10	11	0	S 67° W	S 57° W	5·0	3·9	+1·1	53	+31	89	+1	·813	−·036	6·9	+2·8	12	13·5	−1·5	10·33	14·41	−4·08	24·83	36·76	−11·88	3·10	Trincomalee.
8	2	10	1	0	0	4	4	1	N 4° E	N 48° E	3·0	4·5	−1·5	23	−7	90	+7	·804	−·035	9·3	+4·2	17	12·8	+4·2	26·01	12·32	+13·69	78·34	58·84	+19·50	6·22	Colombo
0	10	3	0	0	0	0	11	6	N 39° W		6·9	5·5	+1·4	66		92		·817		5·8		9			4·62	6·85	−2·23	17·29			0·88	Hambantota.
										N 7° W		4·5											6·8			5·27			52·01			Minicoy.
2	5	2	3	1	0	1	4	12	N 32° W		5·1			50		77	+2	·841	+·010	5·7	+1·1	5	3·3	+1·7	2·95	1·66	+1·29	65·97	48·90	+17·07	2·12	Amini Divi.
0	0	6	0	23	1	4	0	1	S 34° E					79		44		·080		0·1		0			0			11·92			0	Gyantse.
																																Phari Jong.
26	0	2	0	1	0	1	0	0	E		1·1			6		82	+5	·381	+·040	1·0	−1·4	4	3·6	+0·4	0·87	1·83	−0·96	123·22	114·13	+9·09	0·32	Gangtok.
																																Gartok.
29	0	0	0	1	0	0	0	0	S 45° E	N 5° W	0·3	0·7	−0·4	3	−8	74	+9	·127	−·006	2·9	+0·3	0	0	0	0	0·01	−0·01	0·72	2·27	−1·55	0	Kashgar.
0	0	0	1	4	3	7	13	2	S 59° W	S 45° W				57	+45	61	−3	·124	−·014	0·7	−1·2	0	1·7	−1·7	0	0·68	−0·68	0·68	2·64	−1·98	0	Kabul.
23	0	0	0	0	1	0	0	0			1·0			3		76		·163		2·3		0	1·5	−1·5	0	0·58	−0·58	0·62	2·81	−2·19	0	Meshed.
0	8	13	3	0	0	0	0	6	N 21° E	N 27° E	5·1	7·1	−2·0	72	+15	71	+4	·549	+·037	0·1	−1·4	0	0·6	−0·6	0	0·32	−0·32	0	0·42	−0·42	0	Jask.
9	1	2	3	2	0	1	1	11	N 25° W	S 74° W	0·6	2·5	−1·9	30	−3	65	−1	·566	−·068	0·9	−0·6	0	0·8	−0·8	0	0·35	−0·35	0	0·59	−0·59	0	Muscat.
																							0·3			0·04			0·15			Bahrein.
8	4	8	4	3	0	0	0	3	N 45° E	N 61° E	4·9	4·5	+0·4	46	−24	75	−1	·473	−·003	1·9	−0·8	0	2·4	−2·4	0	1·56	−1·56	0	1·69	−1·69	0	Bushire.
4	1	0	2	3	0	6	11	3	S 77° W		4·5			43		62		·344				0	1·8	−1·8	?	0·89	?	0?	1·62	−1·62?	?	Busrah.
30	0	0	0	0	0	0	0	0	Calm		3·9			(a)		35		·083		0·9		0			0			0·33			0	Kermen.
										N 62° W		1·8											1·6			0·72			1·22			Ispahan.
										N 11° E		1·6											3·2			1·05			2·23			Tehran.
										N 5° W		1·7											1·5			0·79			1·15			Baghdad.
																																Beirut.
8	8	13	1	0	0	0	0	0	N 30° E	N 12° E	8·3	9·4	−1·1	66	−14	76	+4	·709	+·010	1·6	−1·7	0	0·3	−0·3	0	0·10	−0·10	0	0·68	−0·68	0	Aden.
10	1	0	1	11	7	0	0	0	S 33° E	S 45° E	2·3	3·4	−1·1	57	+15	80	−2	·[illegible]	−·015	6·7	+0·[illegible]	8	11·4	−3·4	9·38	8·64	+0·74	32·87	32·12	+0·75	4·37	Zanzibar.

* Rainfall since 1st June, 1915.

(a) Indeterminate.

Table C.—Abstract of observations taken at 8 hrs. at 58 fourth and fifth class stations in India, etc., in November, 1915.

Table

Abstract of observations taken at 8 hrs. at 58 fourth

Number of sub-division.	Station.	Temperature of air.													Wind direction.										
		Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.	Number of winds from: 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.—Assam.																								
4	Bishnath	70·5	83·9	+2·3	61·5	+7·2	72·7	+4·7	22·4	90·3	1st	52·7	30th	37·6	...	...	...	...	...	...	...	...	...	...	...
	Borjuli	69·0	84·4	+0·5	58·7	+0·4	71·5	+0·5	25·7	90·6	1st	49·8	30th	40·8	...	...	...	...	...	...	...	...	...	...	...
	Chandkhira	69·3	87·9	+3·7	65·0	+5·2	76·5	+4·5	22·9	93·6	3rd	55·0	29th	38·6	...	...	...	...	...	...	...	...	...	...	...
	Doom-Dooma	63·4	86·4	+8·3	60·3	+4·0	73·3	+6·1	26·1	92·8	5th	52·4	30th	40·4	...	...	...	...	...	...	...	...	...	...	...
	Dikom	66·8	83·8	+2·7	59·1	+3·3	71·5	+3·0	24·7	89·8	5th	49·6	30th	40·2	...	...	...	...	...	...	...	...	...	...	...
	Golaghat	67·3	81·6	+3·7	62·1	...	71·9	...	19·5	86·9	1st, 2nd & 4th	51·2	28th	35·7	...	...	...	...	...	...	...	...	...	...	...
	Hailakandi	*73·4	86·6	+1·6	66·3	+4·6	76·5	+3·1	20·3	91·0	1st & 3rd	56·2	29th	34·8	...	...	...	...	...	...	...	...	...	...	...
	Jorehát	67·4	83·6	+2·1	63·7	+4·0	73·7	+3·1	19·9	88·9	1st	55·9	29th	33·0	...	...	...	...	...	...	...	...	...	...	...
	Lumding	68·0	80·9	...	63·5	...	72·2	...	17·4	86·4	1st	55·6	30th	30·8	...	...	...	...	...	...	...	...	...	...	...
	Messa	71·1	90·0	+2·6	62·3	+6·3	76·1	+4·5	27·7	94·6	1st	52·7	30th	41·9	...	...	...	...	...	...	...	...	...	...	...
	Panerihat	61·1	85·0	+3·2	59·9	+3·3	72·5	+3·3	25·1	88·9	1st, 2nd & 7th.	49·8	30th	39·1	...	...	...	...	...	...	...	...	...	...	...
	III.—Bengal.																								
5	Comilla	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Brahmanbaria	77·0	86·0	+0·8	69·6	+6·1	77·8	+3·5	16·4	91·6	2nd	59·7	28th	31·9	...	...	...	...	...	...	...	...	...	...	...
	Faridpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Goalundo	72·8	86·1	+1·3	65·3	+4·5	75·2	+2·9	19·8	94·1	6th	53·1	27th	41·0	...	...	...	...	...	...	...	...	...	...	...
	Pabna	74·6	87·8	−0·3	63·8	+8·0	78·8	+3·9	18·0	93·0	1st & 2nd	58·0	28th	35·0	...	...	...	...	...	...	...	...	...	...	...
	Sirajganj	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Rampur-Boalia	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Malda	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Rangpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Dam-Dim	63·4	80·4	+3·3	57·8	+4·3	74·1	+3·8	22·6	94·7	3rd	51·8	29th	42·9	...	...	...	...	...	...	...	...	...	...	...
	Kalchini	75·1	85·4	+1·4	58·0	+1·7	71·7	+1·5	27·4	90·1	5 days	52·0	30th	38·1	...	...	...	...	...	...	...	...	...	...	...
	Nagrakata	76·2	85·9	+1·5	61·2	+1·9	73·5	+1·7	24·7	91·1	1st	57·0	26th	34·1	...	...	...	...	...	...	...	...	...	...	...
	Cooch Behar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Krishnagar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Bankura	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Raniganj (Asansol)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	IV.—Bihar and Orissa.																								
7	Hazaribagh	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	Bhagalpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Muzaffarpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Motihari	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Chapra	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Arrah	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Dehri	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

* Mean of 29 days.

C.

and fifth class stations in India, etc., in November, 1915.

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 November 1915.	Normal rainfall of period, 1st May to 30th November.	Departure from normal of period, 1st May to 30th November, 1915.		
27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
																					II.—Assam.
...	...	..	...	...	82	− 7	·622	+·036	...	...	0	1·5	−1·5	0	0·52	− 0·52	100·44	76·89	+23·55	0	Bishnath.
...	...	...	...	...	75	− 6	·540	−·035	...	...	0	2·0	−2·0	0	0·67	− 0·67	88·74	69·29	+19·45	0	Borjuli.
...	...	...	...	...	97	+ 2	·692	+·086	...	...	0	1·3	−1·3	0	1·42	− 1·42	116·62	88·45	+28·17	0	Chandkhira.
...	...	...	...	...	92	− 1	·542	+·007	...	...	1	1·0	0	0·20	0·46	− 0·26	89·72	75·58	+14·14	0·15	Doom Dooma.
...	...	...	...	...	85	− 4	·558	+·039	...	...	1	1·0	0	0·15	0·46	− 0·31	101·48	81·84	+19·64	0·15	Dikom.
...	...	...	...	...	96	+ 5	·642	+·053	...	...	0	0·8	−0·8	0·08	0·35	− 0·27	64·53	54·20	+10·33	0·04	Golaghat.
...	...	...	...	...	86*	− 7	·713*	+·115	...	...	1	1·2	−0·2	0·32	1·21	− 0·89	132·16	98·93	+33·23	0·32	Hailakandi.
...	...	..	...	...	94	0	·634	+·055	...	...	0	1·2	−1·2	0	0·42	− 0·42	82·84	63·16	+19·68	0	Jorehat.
...	...	...	...	...	97	...	·661	...	...	...	2	1·6	+0·4	1·10	1·38	− 0·28	50·86	41·56	+ 9·30	0·86	Lumding.
...	...	...	...	...	73	− 2	·558	−·019	...	...	0	1·0	−1·0	0·09	0·32	− 0·23	63·58	74·89	−11·31	0·09	Messa.
...	...	...	...	...	95	+ 2	·516	+·050	...	...	0	1·5	−1·5	0	0·48	− 0·48	93·85	63·14	+30·71	0	Panerihat.
																					III.—Bengal.
...	...	..	...	...	...	...	...	...	...	...	1	1·4	−0·4	0·15	1·15	− 1·00	100·62	77·73	+22·89	0·12	Comilla.
...	...	...	...	...	79	− 1	·753	+·050	...	...	2	0·7	+1·3	0·26	0·56	− 0·30	98·07	68·42	+29·65	0·14	Brahmanbaria.
...	...	...	...	...	...	...	...	...	...	...	1	1·3	−0·3	1·15	1·23	− 0·08	81·00	61·05	+19·95	1·08	Faridpur.
...	...	...	...	...	85	+ 6	·690	+·067	...	...	1	0·3	+0·7	0·15	0·51	− 0·36	68·05	58·41	+ 9·64	0·15	Goalundo.
...	...	...	...	...	87	+ 9	·761	+·146	...	...	1	0·5	+0·5	0·22	0·49	− 0·27	62·86	54·06	+ 8·80	0·16	Pabna.
...	...	...	...	...	...	...	...	...	...	...	1	0·6	+0·4	0·26	0·50	− 0·24	69·48	58·38	+11·10	0·21	Sirajganj.
...	...	...	...	...	...	...	...	...	...	...	2	0·6	+1·4	0·75	0·45	+ 0·30	62·70	49·92	+12·78	0·55	Rampur Boalia.
...	...	...	...	...	...	...	...	...	...	...	3	0·5	+2·5	1·79	0·24	+ 1·55	40·21	49·37	−9·16	1·00	Malda.
...	...	...	...	...	...	...	...	...	...	...	1	0·2	+0·8	0·33	0·11	+ 0·22	73·67	75·16	+3·51	0·33	Rangpur.
...	...	...	...	...	89	− 4	·525	−·003	...	...	0	0·5	−0·5	0·05	0·09	− 0·04	155·45	145·09	+10·36	0·05	Dam Dim.
...	...	...	...	...	71	− 4	·636	+·020	...	...	0	1·0	−1·0	0	0·34	− 0·34	115·84	141·59	−25·66	0	Kalchini.
...	...	...	...	...	67	− 6	·606	+·075	...	...	1	1·2	−0·2	0·50	0·27	+ 0·23	130·41	156·61	−16·20	0·50	Nagrakata.
...	...	...	...	...	...	...	...	...	...	...	1	0·3	+0·7	0·14	0·08	+ 0·06	105·52	137·85	−34·33	0·14	Cooch Behar.
...	...	...	...	...	...	...	...	...	...	...	2	1·1	+0·9	0·46	1·02	− 0·56	43·46	51·41	−7·95	0·30	Krishnagar.
...	...	...	...	...	...	...	...	...	...	...	4	1·0	+3·0	1·38	0·51	+ 0·87	40·09	50·34	−10·25	0·90	Bankura.
...	...	...	...	...	...	...	...	...	...	...	2	0·6	+1·4	1·05	0·46	+ 0·59	29·01	48·52	−19·51	0·67	Raniganj (Asansol).
																					IV.—Bihar and Orissa.
...	...	...	...	...	...	...	...	...	...	...	2	0·7	+1·3	1·25	0·25	+1·00	34·65	48·64	−13·99	0·74	Hazaribagh.
...	...	...	...	...	...	...	...	...	...	...	2	0·3	+1·7	2·99	0·12	+2·87	40·90	46·27	−5·37	1·50	Bhagalpur.
...	...	...	...	...	...	...	...	...	...	...	1	0·3	+0·7	0·35	0·16	+0·19	46·16	47·02	−0·86	0·35	Muzaffarpur.
...	...	...	...	...	...	...	...	...	...	...	0	0·2	−0·2	0·01	0·20	−0·19	59·04	53·67	+5·37	0·01	Motihari.
...	...	...	...	...	...	...	...	...	...	...	1	0·4	+0·6	0·89	0·23	+0·66	39·07	39·75	−0·68	0·89	Chapra.
...	...	...	...	...	...	...	...	...	...	...	1	0·4	+0·6	2·10	0·16	+1·94	42·88	41·89	+0·99	2·10	Arrah.
...	...	...	...	...	...	...	...	...	...	...	2	0·5	+1·5	4·14	0·35	+3·79	33·09	39·86	−6·77	3·97	Dehri.

* Mean of 29 days.

Table

Abstract of observations taken at 8 hrs. at 58 fourth

Number of sub-division.	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.	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
	V.—United Provinces of Agra and Oudh.																								
10	Meerut	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Dehra Dun	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	IX.—Rajputana.																								
18	Udaipur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	XII.—Central Provinces.																								
23	Chhindwara	66·5	82·6	...	58·7	...	70·6	...	23·9	87·7	10th	47·3	29th	40·4	26	1	3	0	0	0	0	0	0	N 34° E	...
	XIII.—Hyderabad.																								
27	Parbhani	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	XV.—Madras.																								
31	Tinnevelly	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
32	Anantapur	76·0	86·6	...	70·7	...	78·6	...	15·9	92·4	4th	64·1	16th	28·3	...	...	...	...	...	...	...	...	...	...	...
33	Guntur	77·3	85·7	...	73·1	...	79·4	...	12·6	92·7	4th	66·0	30th	26·7	...	...	...	...	...	...	...	...	...	...	...
	Bay Islands.																								
1	Car Nicobar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Kashmir.																								
13	Jammu	63·7	80·7	...	57·6	...	69·1	...	23·1	88·1	1st	50·8	30th	37·3	0	23	7	0	0	0	0	0	0	N 10° E	...
	Sonamarg	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Kargil	33·9	59·7	...	21·2	...	40·4	...	38·5	68·1	1st	13·0	24th & 27th.	55·1	0	0	0	11	18	1	0	0	0	S 60° E	...
	Baluchistan.																								
5	Harnai	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Hill stations, exclusive of Kashmir.																								
	Panighatta	70·1	83·5	+1·2	63·2	+2·5	73·3	+1·9	20·3	89·3	1st	59·8	28th	29·5	...	...	...	...	...	...	...	...	...	...	...
	Kurseong	62·4	68·8	+2·9	55·7	+2·4	62·3	+2·7	13·1	75·5	1st	51·1	26th	24·4	...	...	...	...	...	...	...	...	...	...	...
	Gnatong	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Lachung	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Ringim	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Mussoorie	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Poo	...	63·7	...	37·2	...	50·5	...	26·5	70·1	1st & 4th	32·0	27th	38·1	13	0	0	6	8	0	0	3	0	S 56° E	...
	Kailang	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Bakloh	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Pishin	...	70·8	+1·9	36·1	−5·5	48·4	−1·8	44·7	75·7	3rd	19·0	24th	56·7	...	...	...	...	...	...	...	...	...	...	...

C—*continued.*

and fifth class stations in India, etc., in November, 1915—*continued.*

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 November, 1915.	Normal rainfall of period, 1st May to 30th November.	Departure from normal of period, 1st May to 30th November, 1915.		
27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
																					V.—United Provinces of Agra and Oudh.
...	...	...	...	...	...	...	...	...	...	...	0	0·3	− 0·3	0	0·12	− 0·12	21·06	28·30	− 7·74	0	Meerut.
...	...	...	...	...	...	...	...	...	...	...	0	0·7	− 0·7	0	0·30	− 0·30	76·79	78·07	− 1·28	0	Dehra Dun.
																					IX.—Rajputana.
...	...	...	...	...	...	...	...	...	...	...	0	0·1	− 0·1	0	0·02	− 0·02	14·10	22·73	− 8·63	0	Udaipur.
																					XII.—Central Provinces.
0·8	...	...	13	...	68	...	·445	...	1·6	...	2	...	...	0·87	...	...	43·84	...	...	0·57	Chhindwara.
																					XIII.—Hyderabad.
...	...	...	...	...	...	...	...	...	...	...	3	0·8	+ 2·2	1·48	0·49	+ 0·99	43·32	30·85	+12·47	0·83	Parbhani.
																					XV.—Madras.
...	...	...	...	...	...	...	...	...	...	...	14	9·1	+ 4·9	13·36	6·73	+ 6·63	23·37	17·69	+ 5·68	3·03	Tinnevelly.
...	...	...	...	...	80	...	·712	...	5·0	...	6	2·4	+ 3·6	4·29	1·38	+ 2·91	29·09	19·40	+ 9·69	3·10	Anantapur.
...	...	...	...	...	86	...	·810	...	2·0	...	7	3·2	+ 3·8	5·00	2·49	+ 2·51	37·02	30·32	+ 6·70	2·10	Guntur.
																					Bay Islands.
...	...	...	...	...	...	...	...	...	...	...	11	13·1	− 2·1	10·82	11·83	−1·01	82·43	81·56	+ 0·87	1·50	Car Nicobar.
																					Kashmir.
...	...	...	93	...	55	...	·327	...	0	...	0	0·3	− 0·3	0	0·08	− 0·08	23·64	31·96	− 8·32	0	Jammu.
...	...	...	...	...	...	...	...	...	...	...	0	1·8	− 1·8	0·06	1·18	− 1·12	14·83	23·98	− 9·15	0·06	Sonamarg.
...	...	...	90	...	71	...	·135	...	1·9	...	0	0·7	− 0·7	0	0·20	− 0·20	1·47	3·27	− 1·80	0	Kargil.
																					Baluchistan.
...	...	...	...	...	...	...	...	...	...	...	0	0·6	− 0·6	0	0·30	− 0·30	5·79	6·87	− 1·08	0	Harnai.
																					Hill stations, exclusive of Kashmir.
...	...	...	...	...	65	+ 4	·481	+·015	...	...	0	0·3	− 0·3	0·02	0·07	− 0·05	138·03	130·47	+ 7·56	0·02	Panighatta.
...	...	...	...	...	84	+ 6	·469	+·113	...	...	2	0·2	+ 1·8	0·38	0·07	+ 0·31	164·66	144·64	+ 19·96	0·16	Kurseong.
...	...	...	...	...	...	...	...	...	...	...	5	...	...	13·40	...	...	155·00	...	...	4·50	Gnatong.
...	...	...	...	...	...	...	...	...	...	...	0	...	...	0	...	...	56·41	...	...	0	Lachung.
...	...	...	...	...	...	...	...	...	...	...	3	...	...	1·92	...	...	164·07	...	...	0·72	Ringim.
...	...	...	...	...	...	...	...	...	...	...	0	0·6	− 0·6	0	0·33	− 0·33	62·50	84·01	− 21·51	0	Mussooree.
...	...	...	37	...	...	...	...	...	1·1	−0·8	0	0·7	− 0·7	0	0·21	− 0·21	1·33	3·72	−2·39	0	Poo.
...	...	...	...	...	...	...	...	...	...	...	...	0·9	...	...	0·37	...	...	9·40	...	...	Kailang.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Bakloh.
...	...	...	...	...	...	...	...	...	...	...	0	0·4	− 0·4	0	0·11	− 0·11	0	0·61	− 0·61	0	Pishin.

Table

Abstract of observations taken at 8 hrs. at 58 fourth and

Number of sub-division.	Station.	Temperature of air.													Wind direction.										
		Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.	Number of winds from									Resultant direction.	Normal direction.
															Calm.	N.	N. E.	E.	S. E.	S.	S. W.	W.	N. W.		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
	Extra India.																								
	Chumbi (a) . . .	36·3	48·5	...	30·6	...	39·5	...	17·9	62·0	14th	22·0	30th	40·0	...	...	...	...	...	...	...	...	...	...	...
	Pemba	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Prison Island . .	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Seistan	...	75·1	...	41·0	...	58·1	...	34·1	83·0	1st	33·0	24th	50·0	20	5	1	0	0	0	0	0	4	N 13°W	...

(a) Mean of 30 days.

C—*concluded.*

fifth class stations in India, etc., in November, 1915—*concluded.*

Wind velocity.			Wind steadiness.		Hygrometry, 8 hrs.				Cloud.		Rainfall.										
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 November, 1915.	Normal rainfall of period, 1st May to 30th November.	Departure from normal of period, 1st May to 30th November 1915.	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.
...	...	...	...	...	76	...	·160	...	...	...	0	...	...	0·08	...	...	25·03	...	...	0·08	Chumbi.
...	...	...	...	...	...	...	...	...	...	...	9	11·9	−2·9	2·95	8·73	−5·78	39·49	41·78	−2·29	0·67	Pemba.
...	...	...	...	...	...	...	...	...	...	...	...	9·2	...	...	7·32	...	...	33·39	...	...	Prison Island.
2·9	...	...	30	...	...	...	...	...	...	...	0	...	...	0	...	...	0	...	...	0	Seistan.

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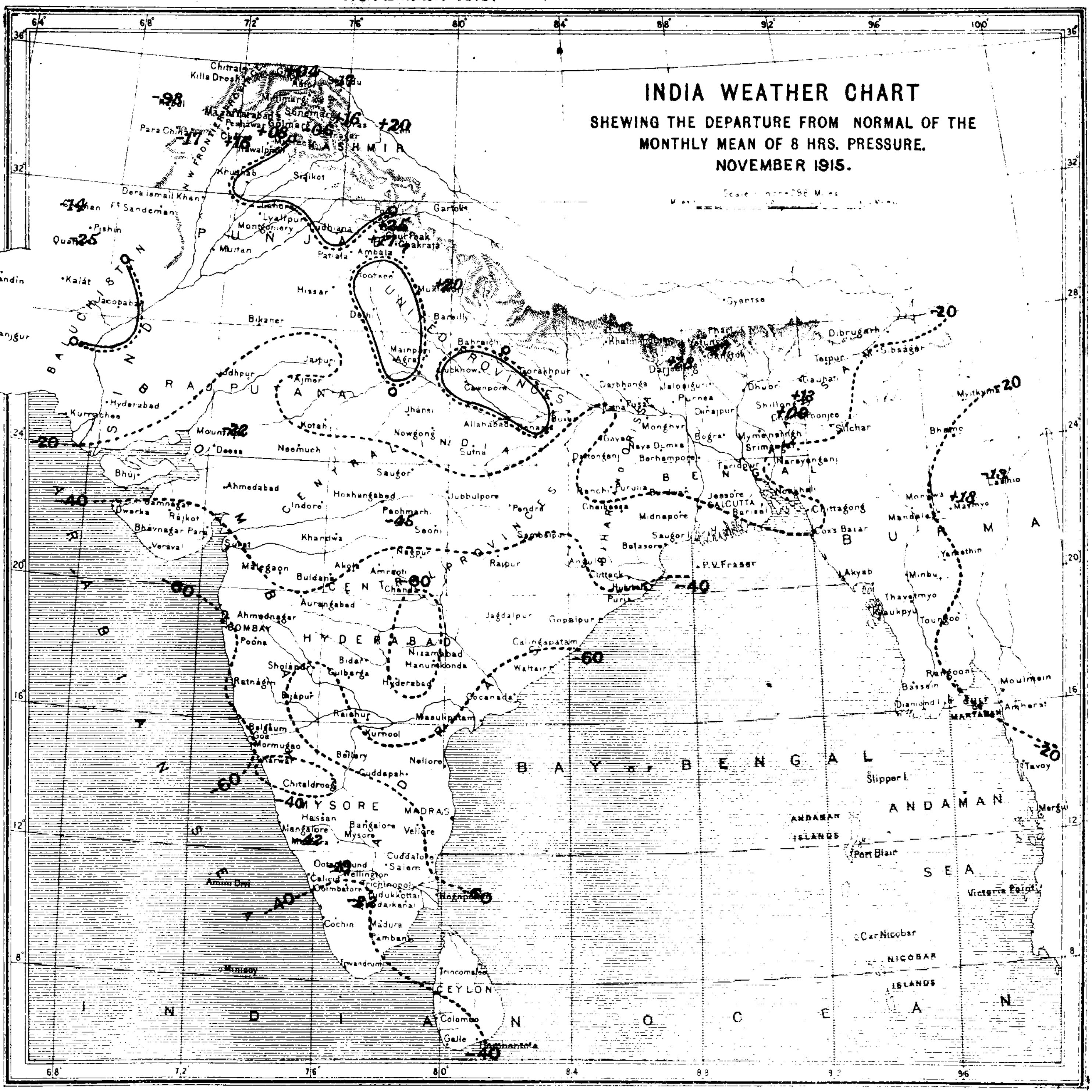
8, HASTINGS STREET

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

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

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

Wind strengths are based on factor 2·2 for the standard type of Beckley Robinson anemograph, instead of 3·0 as used for this plate up to December 1911 inclusive.



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.

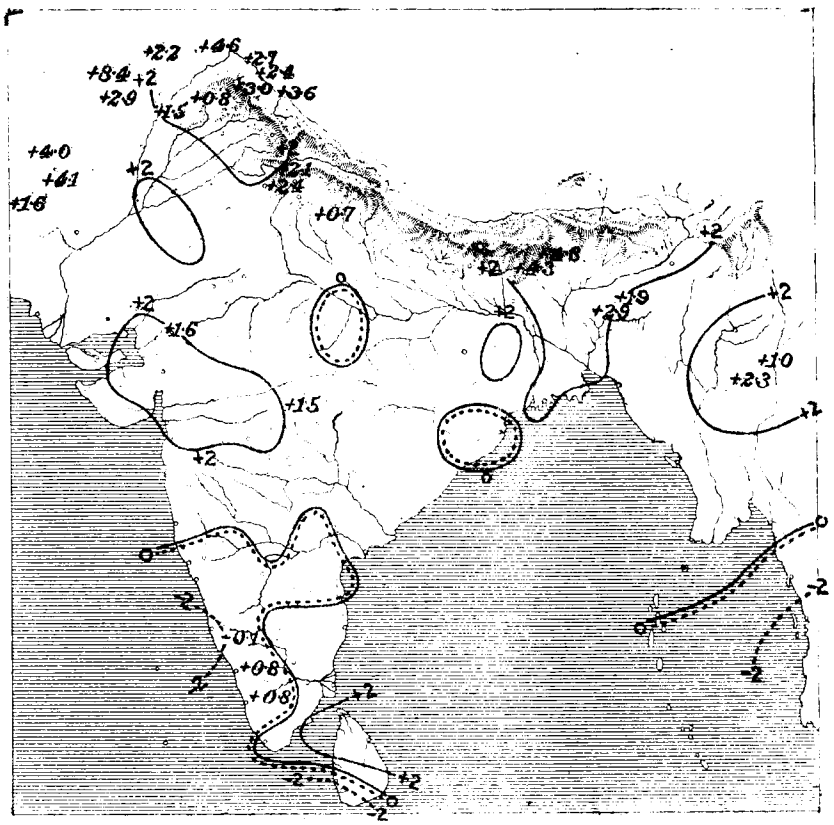


CHART SHEWING THE DEPARTURE FROM NORMAL
OF THE MONTHLY MEAN OF DAILY
MINIMUM TEMPERATURE.

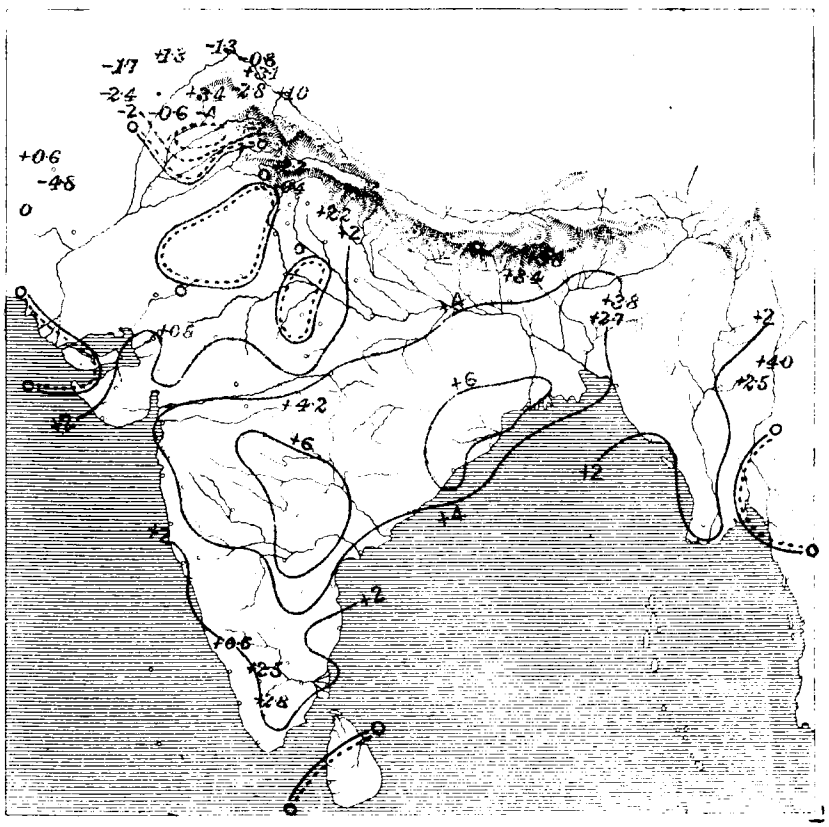


CHART SHEWING THE DEPARTURE FROM NORMAL
OF THE MONTHLY MEAN OF DAILY
MEAN TEMPERATURE.

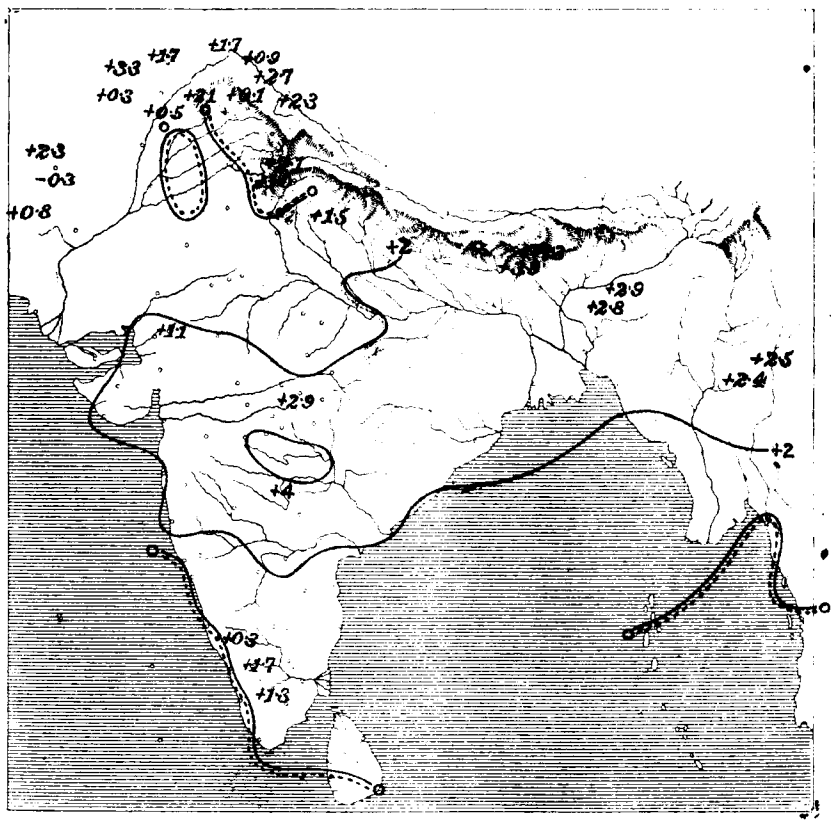


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF ABSOLUTE HUMIDITY AT 8 HRS.

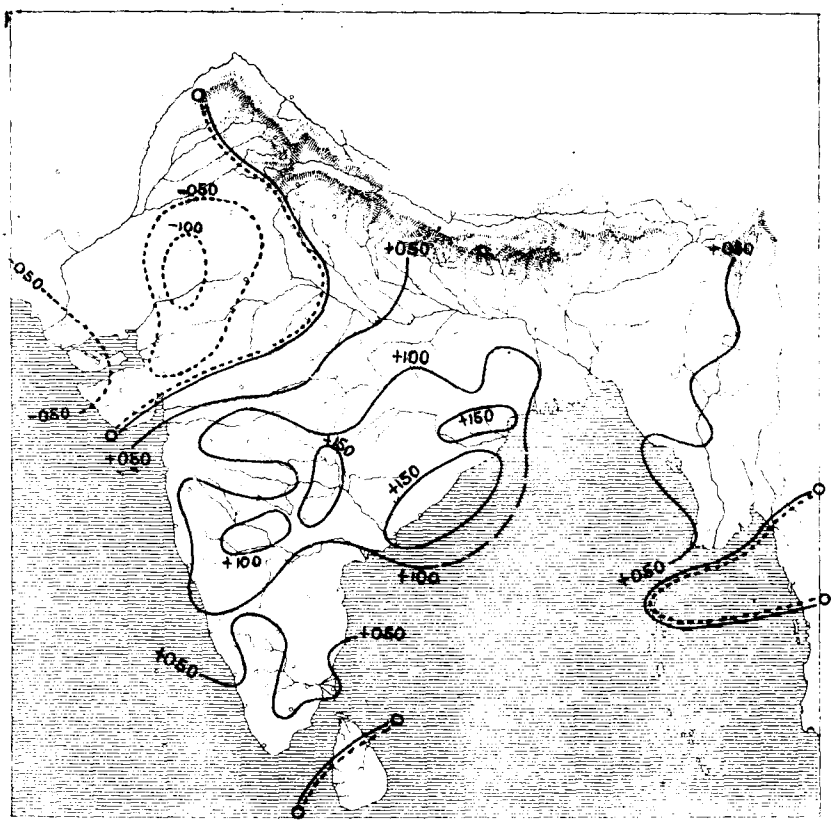


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF RELATIVE HUMIDITY AT 8 HRS.

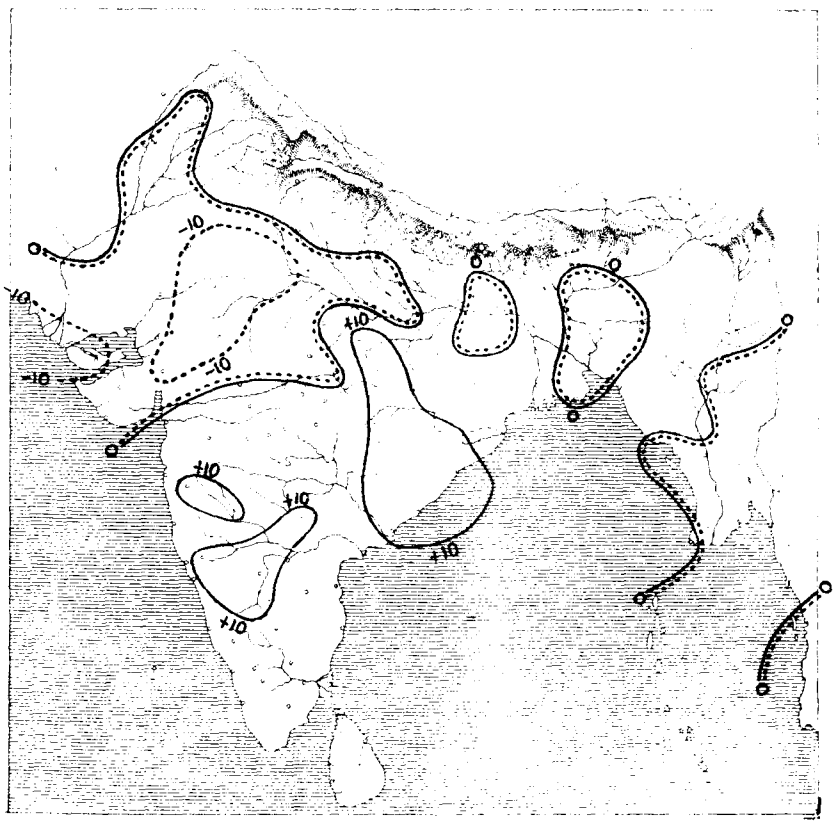


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF CLOUD AMOUNT AT 8 HRS.

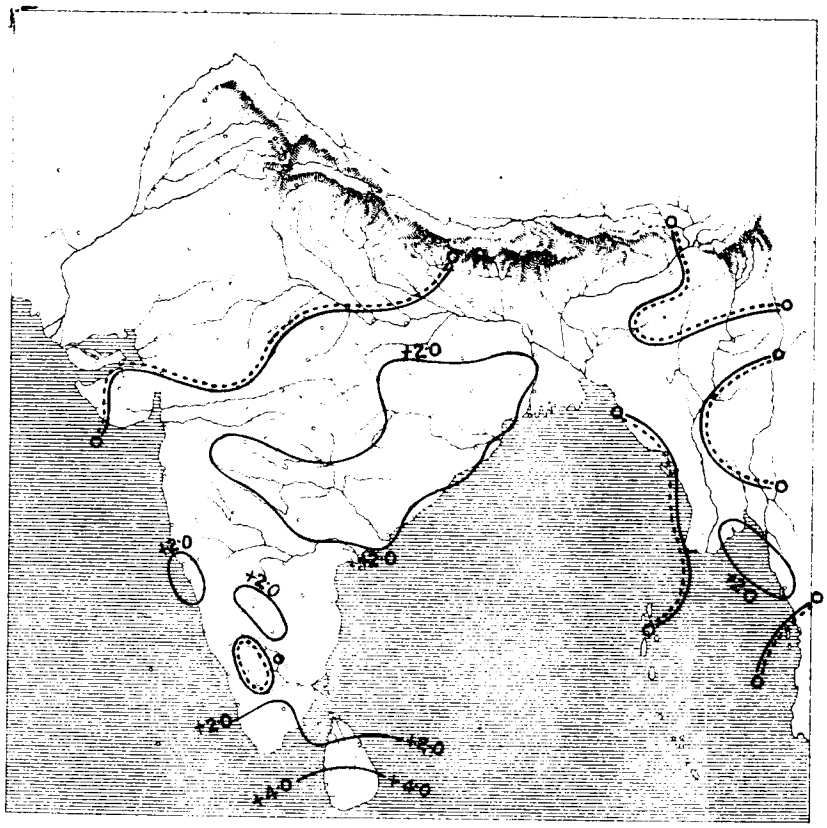
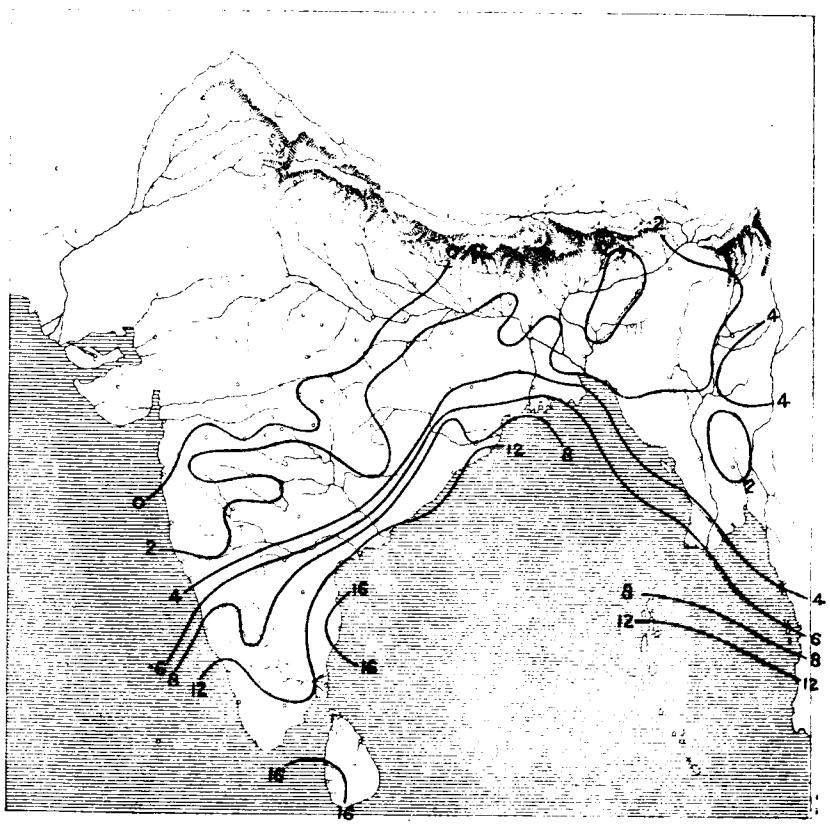


CHART SHEWING THE TOTAL NUMBER OF DAYS IN THE MONTH ON WHICH RAINFALL EQUALLED OR EXCEEDED 0·10 INCH.

(BASED ON THE RETURNS OF TABLE B.)



The country is divided into 33 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. Bengal
6. Orissa
7. Chota Nagpur
8. Bihar
9. United Provinces, East
10. United Provinces, West
11. Punjab, East and North
12. Do., Southwest
13. Kashmir
14. Northwest Frontier Province
15. Baluchistan
16. Sind
17. Rajputana, West
18. Rajputana, East
19. Gujarat
20. Central India, West
21. Do., East
22. Berar
23. Central Provinces, West
24. Do., East
25. Konkan
26. Bombay, Deccan
27. Hyderabad, North
28. Hyderabad, South
29. Mysore
30. Malabar
31. Madras, Southeast
32. Madras, Deccan
33. Madras Coast, North

GOVERNMENT OF INDIA

METEOROLOGICAL DEPARTMENT

MONTHLY WEATHER REVIEW

DECEMBER 1915.

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GILBERT T. WALKER, C.S.I., M.A., Sc.D., F.R.S.,

Director-General of Observatories.

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Weather Bureau

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Continued on page iii of this cover.

Weather Bureau

GOVERNMENT OF INDIA.

METEOROLOGICAL DEPARTMENT.

MONTHLY WEATHER REVIEW.

PUBLISHED BY ORDER OF

THE GOVERNMENT OF INDIA.

CALCUTTA, DECEMBER, 1915.

INTRODUCTION.

THIS review of the weather in India during the month of December, 1915, is based on observations taken daily at 8 hrs. at 212 stations, and on additional observations taken at 10 hrs. and 16 hrs. at 11 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, magnetic and seismic 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 chief features of the meteorology of the month were :—(*a*) The occurrence during the first week of widespread, but unseasonable, rainfall over Burma and the Andamans; (*b*) the continuance beyond the normal date of monsoon rainfall in the south of the Peninsula; and (*c*) the entire absence of cold weather storms in Persia, and the consequent prevalence of unusually dry weather in northwest India where ordinarily the first burst of winter rains occurs near Christmas.

The rainfall of the month was above normal in the Bay Islands, Burma, Berar and the Bombay Deccan and was deficient over the remainder of the country; the deficiency amounted to 1½″ in Kashmir and 1″ on the Madras Coast North, where it was greatest.

Of other climatic elements temperature and humidity were in general nearly normal, while cloud amount was decidedly low in Sind, Kashmir, Baluchistan and Mysore.

Atmospheric pressure averaged over the plains was only ·002″ above normal.

Solar, magnetic and seismic disturbances.

KODAIKANAL OBSERVATORY.

3. *Solar Observations.*—The weather during the second half of the month was not very favourable for solar observations. There were 8 days, six of them consecutive, on which no observations were possible and on two other days prominences could not be recorded.

Sunspots.—Fifteen new groups of spots were observed during the month. The mean daily number was 3·1 and the average life of a spot was 6 days as compared with 3·2 and 4·3 days, respectively, last month. The distribution in latitude was as follows :—

TABLE 1.

—	0°—10°	11°—20°	21°—30°	31°—40°	Mean latitude.	Extreme latitudes.
North . .	2	1	3	...	1[illegible]	7° & 23°
South . .	0	6	2	1	19·8	14° & 31°

Prominences.—80 large and 4 metallic prominences were observed. No large eruptive prominence was recorded. The greatest height attained was 300″ on the 18th at latitude —68° east. A polar prominence reaching the unusual height of 200″ was photographed on the 21st at —87° east.

Magnetic disturbances.—One "great" disturbance was recorded from 9^h on the 6th to 13^h on the 7th, when the spot group 2,302 had passed the central meridian. "Moderate" disturbances were recorded from 14th to 15th and from 25th to 27th.

T. ROYDS,
for *Director,*
Kodaikanal and Madras Observatories.

Seismic records.

$\phi = 10° 13' 50''$; $\lambda = 77° 28' 00''$; $h = 2{,}343$ m. Subsoil Rock.

Apparatus.—Milne's Horizontal Pendulum Seismograph.

TABLE 2.

	V	To	ϵ	$\frac{r}{To^2}$
AN:				
AE:	9·76	17·9	1	2·4
AZ:				

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude (u). An.	Ae.	Az.	Distance △ (Km.)	Remarks.
1915		h. m. s.						
Dec. 3rd	e P	2 45 06	...	...	...	...	...	
	i L	2 49 30	...	...	...	...	...	
	M	2 54 06	...	...	190	...	...	
	F	3 27 24	...	...	...	...	...	
„ 17th	e P	7 16 36	...	...	...	...	...	
	i L	7 22 00	...	...	...	...	...	
	M	7 25 54	...	...	60	...	...	
	F	7 52 42	...	...	...	...	...	
„ 18th	e P	19 13 24	...	...	...	...	...	Widening of line.
	F	19 23 48	...	...	...	...	...	
„ 19th	e P	20 21 18	...	...	...	...	...	
	i L	20 24 48	...	...	...	...	...	
	M	20 27 12	...	...	110	...	...	
	F	20 55 12	...	...	...	...	...	

T. ROYDS,
Assistant Director.

BOMBAY OBSERVATORY.

Alibag magnetic record.

4. During the month of December 1915 the traces showed 14 calm days, 16 days of small, and one day of moderate disturbance.

The days of the month selected as "quiet" for the purposes of the Magnetic Survey of India are the 1st, 5th, 18th, 22nd and 31st.

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

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

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 the declination for the month are as follows :—

Easterly declination	0° 38′ 50″.
Horizontal force	0·36867 C.G.S. unit.
Vertical force	0·16738 C.G.S. „
Inclination	24° 25′·1.
Horizontal force range	0·00034 C.G.S. „
Horizontal force summed range	0·00196 C.G.S. „
Declination range	1′·5.
Declination summed range	6′·9.

(NOTE.—Summed range means sum without regard to sign of the twenty-four ordinates of the diurnal inequality.)

Seismic records.

$\phi = 18° 53' 36''$; $\lambda = 72° 48' 56''$; $h = 11$ m. Subsoil Trap.

Apparatus.—Milne's Horizontal Pendulum Seismograph.

TABLE 4.

	V	To	ϵ	$\frac{r}{To^2}$
AN:				
AE:	9	21	1	
AZ:				

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude (u) An.	Ae.	Az.	Distance Δ (Km.)	Remarks.
1915.		h. m. s.						
Dec. 3rd	P	.....	...	...	...	...	...	Beginning mixed in tremors.
	M	2 52 20	...	...	500	...	...	
	F	.....	...	...	...	...	...	End mixed in tremors.
„ 4th	...	12 56 00	...	...	...	...	...	Thickening of line.
„ 13th	...	11 43 00	...	...	...	...	...	„
„ 17th	P	7 14 40	...	...	...	...	...	
	M	7 20 10	...	...	78	...	...	
	F	7 41 16	...	...	...	...	...	
„ 17th	...	19 19 to 23 m	...	...	...	...	...	Thickening of line.
„ 19th	P	20 22 11	...	...	...	...	...	
	M	20 31 51	...	...	56	...	...	
	F	20 47 41	...	...	...	...	...	
„ 21st	...	19 14 00	...	...	...	...	...	Thickening of line.
„ 22nd	...	4 34 00	...	...	...	...	...	„
„ 26th	...	3 41 00	...	...	...	...	...	„
„ 31st	...	19 5 to 9 m	...	...	...	...	...	„

Sensibility to tilt 1·0 mm. of amplitude on the trace = 0·29″.
One disturbance at about 30 d. 2¾ h. and another at about 31 d. 23¼ h. is marked by tremors.

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

5.—CALCUTTA (ALIPORE) OBSERVATORY.

Seismograph dismantled.

6.—SIMLA OBSERVATORY.

Seismic records.

$\phi = 31° 06' 00''$; $\lambda = 77° 11' 00''$; $h = 2438·5$ m. Subsoil Rock.

Apparatus.—Two Omori—Ewing Horizontal Pendulum Seismographs. (Masses 50 Kg.).

TABLE 5.

	V	To	ϵ	$\frac{r}{To^2}$
AN :	14	45	1	
AE :	14	45	1	
AZ :				

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude (u) An.	Ae.	Az.	Distance Δ (Km.)	Remarks.
1915.		h. m. s.						
Dec. 3rd	P	2 42 24	...	...	...	...	...	
	S	2 44 48	...	...	...	...	...	
	L	2 46 36	...	...	...	...	...	
	M	2 48 24	10	357	464	...	...	
	F	3 38 42	...	...	...	...	...	
„ 6th	i	21 21 24	...	...	...	...	...	
	e F	21 41 00	...	...	...	...	...	Slight tremors.
„ 7th	i	13 06 00	...	...	...	...	...	
	F	13 13 00	...	...	...	...	...	Very slight tremors.
„ 17th	P	7 07 36	...	...	...	...	...	
	S	7 09 30	...	...	...	...	...	
	L	7 11 00	...	...	...	...	...	
	M	7 12 00	8	107	71	...	...	
	F	7 50 42	...	...	...	...	...	
„ 19th	P	20 25 24	...	...	...	...	...	
	S	20 29 12	...	...	...	...	...	
	L	20 33 42	...	...	...	...	...	
	M	20 34 12	20	14	3	...	...	
	F	21 00 12	...	...	...	...	...	
„ 20th	P	8 43 18	...	...	...	...	...	
	e L	8 44 00	Rapid	3	3	...	...	
	F	8 45 42	...	...	...	...	...	Very slight local shock.
„ 27th	i	9 22 30	...	...	...	...	...	
	F	9 27 30	...	...	...	...	...	Very slight tremors.
„ 30th	P	2 36 36	...	...	...	...	...	
	S	2 37 30	...	...	...	...	...	
	L	2 38 30	...	...	...	...	...	
	F	2 48 30	...	...	...	...	...	
„ 31st	i	13 15 30	...	...	...	...	...	
	F	13 34 30	...	...	...	...	...	Slight tremors.
„ 31st	e P	18 55 30	...	...	...	...	...	
	L	18 59 48	...	...	...	...	...	
	M	19 00 18	11	18	...	...	...	
	F	19 17 30	...	...	...	...	...	
„ 31st	i	23 19 18	...	...	...	...	...	
	F	23 36 30	...	...	...	...	...	Slight tremors.

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

TABLE 6.

Place at which felt.	Date.	G. M. T. of earthquake.		Duration.	Intensity Rossi-Forel scale.	No. of shocks.
		h.	m.	sec.		
Nizamabad	Dec. 5th	9	30	...	6	1
Borjuli (District Darrang, Assam).	„ 5th	15	13	58	7	2
Gauhati	„ 5th	15	20	20	7	2
Sibsagar	„ 5th	15	23	5	7	2
Shillong	„ 5th	15	25	1	6	1
Salonah (District Nowgong, Assam).	„ 5th	15	26	22	5	4
Drosh	„ 29th	4	27	3	3	1
Dera Ismail Khan	„ 30th	2	34	19	8	2
Multan	„ 30th	2	49	2	6	3
Drosh	„ 31st	22	00	3	3	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	1·47
Minimum	1·42
Mean	1·44
Number of days of observation . . .	5

G. C. SIMPSON,

Imperial Meteorologist, Simla.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

7. No information has been received.

Weather in the Indian Ocean.

8. In the equatorial belt pressure inclined to be high at both Zanzibar and Seychelles, and rainfall was in great defect at the former station. Winds were slightly above their normal strength, and at Zanzibar the direction was considerably more northerly than is ordinarily the case.

TABLE 7.

—	Mauritius.	Zanzibar.	Seychelles.
Departure from normal of mean pressure		+ ·009	+ ·005
Actual mean wind direction . .		N 23° E	N 43° W
Normal mean wind direction . .		N 85° E	N 44° W
Actual mean wind velocity (miles per diem).		115	137
Normal mean wind velocity (miles per diem).		110	109
Rainfall departure from normal . .		—4·93	+0·52

Depressions and cyclonic storms.

9. *Cyclonic storm of the 2nd to the 5th in the Bay of Bengal.*—At the commencement of the month conditions were disturbed over the Bay of Bengal in the neighbourhood of the Andamans. A storm was developed in this area during the 2nd. The centre was situate to the west of Port Blair on the morning of the 3rd; from here it travelled northwards and on reaching the neighbourhood of Table Island on the 4th turned to east and disappeared over the north of the Andaman Sea probably on the night of the 5th. It was apparently a moderately severe disturbance, and is reported to have caused very rough weather and seas. Its final path was unique, as there is not a single instance on record during the past forty years of a storm formed in December to the west of the Andamans having advanced towards the coast of Tenasserim or Pegu.

Widespread rain fell over Burma between the 2nd and the 5th.

Cold weather disturbance of the 9th to the 15th.—This first became visible near Bushire on the 9th, and thence advanced slowly over southern Baluchistan, reaching Gujarat sometime on the 13th; thence it travelled north-eastwards and disappeared apparently in the hills of the east Punjab during the 15th. Its barometric depth was small, less than two-tenths of an inch, but it produced nearly general precipitation in Makran (south Baluchistan), the North-West Frontier Province, Kashmir, the Punjab and the north-west of the United Provinces and local falls in Rajputana.

On the 24th and the 25th an area of unsettled weather lay over Ceylon and the extreme south-west of the Bay and was the cause of widespread rainfall over southern

India. On the 26th it was supplemented by a slight depression over Gujarat, and under their combined influence extensive and locally heavy rainfall occurred in the Central Provinces, north Hyderabad, the Bombay Deccan, Mysore and the south of Madras. The passing away of these conditions coincided with the appearance of a slight disturbance over Persia: this was transmitted eastwards across northern India between the 27th and the 30th. It was, however, a wave of low pressure rather than a definite depression and exerted no marked influence on the weather beyond causing light precipitation along the Himalayas.

Pressure.

10. Barometric pressure at the level of the plains was in defect in the North-West Frontier Province, the southern Punjab, Rajputana, the east of the United Provinces, Bihar, Bengal, Assam and the greater part of Burma, and above normal generally elsewhere. The departures, both negative and positive, were in general of small magnitude, only in a few places exceeding ·020″. On the average of all the recording stations in the plains there was an excess of ·002″.

Pressure in Kashmir and the Punjab was in greater excess at the hill stations than in the plains, so that the vertical gradient was not as steep as usual. Opposite conditions obtained in Baluchistan and the Central Provinces. In Bengal, Rajputana and the south of the Peninsula vertical gradients closely coincided with their usual values.

TABLE 8.

DIVISION.	Departure from normal of mean 8 hrs. pressure.
	″
Burma	—·009
Assam	—·011
Bengal	—·002
Bihar and Orissa	+·003
United Provinces	+·001
Punjab	0
North-West Frontier Province	—·013
Sind	+·007
Rajputana	—·009
Bombay	+·007
Central India	+·002
Central Provinces	+·008
Hyderabad	+·013
Mysore	+·013
Madras	+·011

TABLE 9.

HILL STATION.	Departure from normal pressure. A	PLAIN STATION.	Departure from normal pressure. B	Departure of pressure difference B—A.
	″		″	″
Quetta	—·009	Jacobabad	+·014	+·023
Leh	+·025	Lahore	+·001	—·024
Murree	+·025	Peshawar	—·007	—·032
Simla	+·022	Ludhiana	+·004	—·018
Darjiling	+·004	Dhubri	—·003	—·007
Mount Abu	+·010	Deesa	+·007	—·003
Pachmarhi	—·019	Khandwa	+·012	+·031
Kodaikanal	+·003	Madura	+·001	—·002

Temperature.

11. The mean temperature of the month differed to no great extent from the normal except on the southern coast of Burma from Rangoon to Mergui where a defect of about 3° was recorded, due principally to the lowness of maximum temperature.

Charts of maximum and minimum temperatures for the month present very similar features, the only important difference occurring in Baluchistan, the North-West Frontier Province, and the north Punjab, where the former was rather high and the latter appreciably low.

An interesting feature of the temperature conditions o the month in the extreme north of India was the frequen. inversion at night of the normal temperature relations between the hills and plains, with the result that on the mean of the month Murree was 6° warmer at night than Rawalpindi, and Cherat 7° warmer than Peshawar.

The lowest temperature observed in the plains was 28° registered at Peshawar on the early morning of the 22nd.

TABLE 10.

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	83·2	74·9	79·1	8·3	15·5	—1·5	—1·5	0
2. Lower Burma	81·7	65·4	73·6	16·2	26·9	—3·3	—1·6	—1·7
3. Upper Burma	78·8	56·5	67·7	22·4	31·6	0	+0·8	—0·8
4. Assam	76·2	53·9	65·0	22·4	32·3	+1·6	+1·4	+0·2
5. Bengal	78·2	55·7	67·0	22·5	31·5	+0·6	+0·2	+0·4
6. Orissa	79·2	56·5	67·8	22·8	30·3	—0·5	—0·5	0
7. Chota Nagpur	76·7	50·2	63·5	26·5	35·6	+0·3	—0·1	+0·4
8. Bihar	75·4	52·0	63·7	23·4	32·9	0	+0·8	—0·8
9. United Provinces, East	75·7	48·6	62·2	27·1	37·3	+0·6	+0·2	+0·4
10. United Provinces, West	75·8	46·7	61·3	29·1	38·9	+1·6	+0·1	+1·5
11. Punjab, East and North	72·7	42·1	57·4	30·6	43·2	+1·7	—1·1	+2·8
12. Do., South-west	72·4	42·0	57·2	30·4	44·1	+0·5	—0·3	+0·8
13. Kashmir	45·1	21·5	33·3	23·6	43·5	+0·8	—1·1	+1·9
14. North-West Frontier Province	69·4	36·3	52·9	33·1	45·7	—0·3	—3·5	+3·2
15. Baluchistan	63·7	32·2	47·9	31·6	54·5	+1·6	—4·4	+6·0
16. Sind	78·2	52·1	65·1	26·1	40·2	+0·2	0	+0·2
17. Rajputana, West	79·3	50·7	64·9	28·6	43·7	+1·6	+1·0	+0·6
18. Do., East	79·1	51·2	65·2	27·9	39·4	+1·5	+1·6	—0·1
19. Gujarat	85·0	58·2	71·6	26·8	39·9	+0·4	+1·4	—1·0
20. Central India, West	80·3	50·9	65·7	29·3	41·1	+1·2	+1·5	—0·3
21. Do., East	75·3	46·1	60·7	29·2	43·5	+0·1	—0·9	+1·0
22. Berar	82·2	55·8	69·0	26·3	35·0	0	+0·2	—0·2
23. Central Provinces, West	79·8	51·1	65·4	28·7	39·0	+0·4	+0·1	+0·3
24. Do., East	78·7	52·7	65·7	26·0	36·7	—0·3	+0·1	—0·4
25. Konkan	85·7	68·2	76·9	17·5	26·5	—1·2	—0·4	—0·8
26. Bombay Deccan	82·2	54·1	68·2	28·1	39·6	—1·8	—1·1	—0·7
27. Hyderabad, North	81·1	55·6	68·4	25·5	36·7	—1·4	—0·6	—0·8
28. Do., South	82·7	58·1	70·4	24·5	35·1	—1·4	—2·0	+0·6
29. Mysore	79·2	58·1	68·7	21·1	33·1	—1·3	—0·9	—0·4
30. Malabar	87·4	71·1	79·3	16·3	24·9	+0·4	—0·5	+0·9
31. Madras, South-east	83·9	69·2	76·6	14·7	23·7	—0·1	—0·6	+0·5
32. Do. Deccan	83·9	61·1	72·5	22·8	33·7	—2·5	—1·0	—1·5
33. Do. Coast, North	81·0	64·2	72·6	16·8	23·3	—0·6	—1·3	+0·7

TABLE 11.

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

Winds.

12. (*a*) The air movement was lighter even than usual over most of northern and central India as well as in Hyderabad and Bombay, and was somewhat in excess of the normal in Burma and Madras. The degree of steadiness was markedly low in Bengal, the North-West Frontier Province and Central India, and high in Hyderabad.

(*b*) The usual northerly element in the mean wind directions over Rajputana was either weak or altogether wanting; elsewhere the deflections from the normal course were irregular.

TABLE 12.

DIVISION.	DEPARTURE FROM NORMAL OF	
	Hourly wind velocity.	Wind steadiness.
Burma	+0·4	— 5
Assam	—0·4	— 2
Bengal	—0·3	—13
Bihar and Orissa	—0·1	— 6
United Provinces	—0·2	+ 1
Punjab	+0·2	+ 4
North-West Frontier Province	—0·7	—13
Sind	—0·6	0
Rajputana	—0·3	— 1
Bombay	—0·6	0
Central India	—0·6	—11
Central Provinces	+0·2	+ 3
Hyderabad	—0·4	+19
Mysore	+0·3	— 2
Madras	+0·6	+ 2

Humidity and cloud.

13. Absolute humidity was in appreciable defect generally in the Punjab, the North-West Frontier Province, Rajputana, Hyderabad, the south Konkan, Madras and Tenasserim, and in excess in Assam; elsewhere the air contained about the usual quantity of aqueous vapour.

The map of relative humidity shows a widespread defect over north-west India with its maximum value over the northern half of Rajputana and the adjacent districts of the United Provinces, and small departures on either side of the normal over the rest of the country.

The distribution of cloud followed closely that of absolute humidity. There was more than the customary amount of cloud in the upper Brahmaputra valley, the greater part of Burma and at a few stations in Bengal, Bihar, the United Provinces, Central India and the Central Provinces, while over the rest of the country skies were unusually clear.

TABLE 13.

Division.	Hygrometry; 8 hrs.				Cloud.	
	Mean humidity.	Departure from normal.	Mean vapour tension in inches of mercury.	Departure from normal in inches of mercury.	Mean cloud amount at 8 hrs.	Departure from normal.
	%					
Burma	85	+ 1	·552	—·017	4·1	+1·1
Assam	93	— 1	·458	+·030	4·0	—0·5
Bengal	84	— 1	·452	—·006	1·3	—0·2
Bihar and Orissa	78	0	·385	—·001	1·2	—0·2
United Provinces	72	— 4	·305	—·013	1·4	0
Punjab	68	— 4	·217	—·027	2·0	—0·6
North-West Frontier Province.	69	— 2	·173	—·040	2·7	—0·5
Sind	57	— 2	·272	—·015	1·5	—0·7
Rajputana	46	—12	·202	—·049	1·6	—0·4
Bombay	60	0	·394	—·015	1·1	—0·4
Central India	64	0	·286	—·009	1·7	0
Central Provinces	62	— 1	·323	—·011	2·0	—0·1
Hyderabad	61	— 1	·397	—·031	2·4	—0·5
Mysore	75	+ 1	·474	—·017	2·9	—1·0
Madras	76	— 1	·609	—·028	3·1	—0·5

Rainfall.

14. The rainfall of the month was unusually heavy for the time of year in the Bay Islands, Burma and Berar, the quantity received in Lower Burma being eleven times the normal; it was also above the average in the Bombay Deccan. Over the remainder of the Indian region rainfall was either altogether wanting or lighter than usual, the deficit amounting to 1½″ in Kashmir, 1″ on the Madras Coast North and about three-quarters of an inch in Baluchistan, Malabar and Madras South-east.

December, like November, was almost rainless in Persia, where under ordinary conditions moderate rain is expected.

TABLE 14.

Sub-division.	Number of rainy days.		Rainfall.			
	Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
			″	″	″	
1. Bay Islands	4·0	4·5	10·83	4·27	+6·56	+154
2. Lower Burma	2·4	0·5	3·19	0·29	+2·90	+1000
3. Upper Burma	1·8	0·8	1·00	0·38	+0·62	+163
4. Assam	0·4	0·8	0·16	0·35	—0·19	— 54
5. Bengal	0	0·3	0	0·16	—0·16	—100
6. Orissa	0	0·7	0	0·37	—0·37	—100
7. Chota Nagpur	0	0·4	0	0·22	—0·22	—100
8. Bihar	0·1	0·2	0·03	0·09	—0·06	— 67
9 United Provinces, East	0·2	0·5	0·07	0·26	—0·19	— 73
10. Do., West	0·4	0·9	0·11	0·42	—0·31	— 74
11. Punjab, East and North	0·5	0·9	0·12	0·49	—0·37	— 76
12. Do., South-west	0·2	0·5	0·07	0·21	—0·14	— 67
13. Kashmir	1·0	2·7	0·45	1·97	—1·52	— 77
14. North-West Frontier Province	0·3	1·0	0·08	0·56	—0·48	— 86

Sub-division.	Number of rainy days.		Rainfall.			
	Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
			"	"	"	
15. Baluchistan	0	1·9	0·01	0·78	—0·77	— 99
16. Sind	0	0·2	0	0·08	—0·08	—100
17. Rajputana, West	0	0·3	0	0·14	—0·14	—100
18. Do., East	0·1	0·7	0·04	0·28	—0·24	— 86
19. Gujarat	0	0·2	0	0·06	—0·06	—100
20. Central India, West	0·6	0·6	0·16	0·27	—0·11	— 41
21. Do., East	0·2	0·6	0·04	0·28	—0·24	— 86
22. Berar	1·2	0·7	1·24	0·39	+0·85	+218
23. Central Provinces, West	0·7	0·7	0·19	0·42	—0·23	—55
24. Do., East	0·1	0·8	0·02	0·47	—0·45	— 96
25. Konkan	0·2	0·3	0·05	0·15	—0·10	— 67
26. Bombay Deccan	0·9	0·5	0·57	0·31	+0·26	+ 84
27. Hyderabad, North	0·4	0·7	0·32	0·40	—0·08	— 20
28. Do., South	0	0·4	0·01	0·23	—0·22	— 96
29. Mysore	1·0	0·9	0·37	0·51	—0·14	— 27
30. Malabar	0·6	1·4	0·26	1·04	—0·78	— 75
31. Madras, South-east	3·7	4·2	2·69	3·53	—0·84	— 24
32. Do. Deccan	0·1	0·8	0·06	0·51	—0·45	— 88
33. Do. Coast, North	0·2	1·1	0·06	1·09	—1·03	— 94

TABLE 15.

Division.	Rainfall.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Burma	1·86	0·35	+1·51	+431
Assam	0·16	0·35	—0·19	— 54
Bengal	0	0·16	—0·16	—100
Bihar and Orissa	0·01	0·19	—0·18	— 95
United Provinces	0·09	0·35	—0·26	— 74
Punjab	0·10	0·42	—0·32	— 76
North-West Frontier Province	0·08	0·56	—0·48	— 86

Division.	Rainfall.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Sind	0	0·08	—0·08	—100
Rajputana	0·02	0·24	—0·22	— 92
Bombay	0·30	0·20	+0·10	+ 50
Central India	0·10	0·27	—0·17	— 63
Central Provinces	0·42	0·43	—0·01	— 2
Hyderabad	0·16	0·32	—0·16	— 50
Mysore	0·37	0·51	—0·14	— 27
Madras	1·38	2·22	—0·84	— 38
Mean of India	0·46	0·29	+0·17	+ 59

Snowfall.

I.—AFGHANISTAN.

15. Light snow is reported to have fallen on the summits of some of the ranges around Kabul.

II.—NORTH-WEST FRONTIER PROVINCE.

(*a*) *Wano.*—No snow fell.

(*b*) *Kurram.*—Snow fell on the Sufed Koh on the 5th, 15th, 23rd, 28th and 29th. The fall of the 15th is reported to have reached down to levels 1½ miles below the cantonment. At the end of the month there was an accumulation of about 5 inches on the Agam pass (elevation 11,730 feet).

(*c*) *Kohat.*—Snow to a depth of 3½ inches fell on the Samana range on the 16th.

III.—KASHMIR.

(*a*) *Srinagar.*—There were frequent light falls on the surrounding mountains, and one of them extended down to the level of the main valley.

(*b*) *Skardu.*—On the 16th snow to a depth of about a foot fell on all the higher mountains, and there was a sprinkling in Skardu itself.

(*c*) *Dras.*—Light snow fell on the 15th, 22nd and 29th.

(*d*) *Kargil.*—Altogether there were five falls of snow on the surrounding mountains, *viz.*, on the 5th, 16th, 23rd, 24th and 28th. The total fall of the month amounted to 5 feet on the Archulla, 3½ feet on the Nakthulla and 1½ feet on the Barulla, Narianulla, Pazgola and Sinculla. At the end of the month the unmelted residue was estimated at about 2 feet on the Archulla, 1½ feet on the Nakthulla and 4 inches on the Barulla, Sinculla and Narianulla mountains.

IV.—PUNJAB.

(*a*) *Chamba.*—The first snowfall of the season in the upper Ravi valley occurred on the 15th December when the snowline descended to an elevation of 5,500 feet on the range between the lower Beas and the upper Ravi and to 3,500 feet on the range between the upper Ravi and the upper Chenab. The depth of snow measured at Kalatop, near Dalhousie (elevation 7,880 feet) on the morning of the 16th was 1 foot 6 inches, and at Tisa (elevation 4,500 feet), on the range between the Ravi and the Chenab, 3 inches. On the 24th December there was another fall which descended to 6,500 feet on the range between the lower Beas and the upper Ravi and to 5,500 feet on the range between the Ravi and the Chenab. The depth of snow at Kalatop was 1½ feet and at Bhandal 3 inches. There was a third fall on the 28th and 29th December but only on the higher hills above 8,000 feet. Since the first fall of snow all the higher passes have been closed.

(*b*) *Kangra.*—Snowfall occurred in Kulu on the 15th, 16th and 29th, the lowest descent being to 7,000 feet.

(*c*) *Kilba* (*Simla Hills*).—On the ranges opposite Kilba light snow fell down to a level of 11,000 feet on the 11th and of 5,700 feet on the 15th. In the middle of the month the accumulation on the Rupin pass was about 3 feet in depth.

V.—UNITED PROVINCES.

(*a*) *Garhwal.*—Snow is reported to have fallen on the higher peaks in the north of the district on the 15th and 29th.

(*b*) *Almora.*—The total fall of the month amounted to 4 feet in Malla Danpur, 2½ feet in Chaudas and Malla Darma and 2¼ feet in Byans. The falls are reported to have extended to levels ranging from 2 to 13 miles below the permanent snowline. No snow fell in Malla Johar.

TABLE 16.

Name of pass or peak.	Depth of accumulation at the end of the month.	
	Reported.	Normal.
	Feet.	Feet.
Nuwe pass	12	33
Untadhura	12	11½
Balamdhura	8	9
Binkaru pass	5½	26
Lipulekh "	11	5
Lampia "	13	3
Pindari peak	4	3

SUMMARY.

16. The snowfall of the month was on the whole distinctly below the average, and the accumulations existing at the beginning of January 1916 were of less than the usual depth except, perhaps, in parts of the Almora hills.

HEM RAJ.

Table A.—Abstract of observations taken at 10 hrs. and 6 hrs. at 11 stations in India, etc., in December, 1915.

Table

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

Number of sub-division.	Station.	Height 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 to gravity at 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
	III.—Bengal.																					
5	Calcutta . .	21	30·035	29·962	·123	30·017	—·011	29·986	77·7	56·5	21·2	81·9	52·3	29·6	70·3	76·1	66·1	+0·8	54·9	62·1	62·8	59·9
	VI.—Panjab.																					
11	Lahore . . .	702	29·410	29·313	·097	29·352	—·003	30·059	71·1	41·4	29·7	76·8	33·8	43·0	57·5	69·6	54·1	—0·5	39·6	49·6	56·4	48·5
	IX.—Rajputana.																					
18	Jaipur . . .	1,431	28·646	28·544	·102	28·584	—·026	29·997	78·5	51·0	27·5	82·5	42·0	40·5	69·7	76·0	62·8	+1·3	44·3	54·2	57·3	51·9
	X.—Bombay.																					
25	Bombay . .	37	30·025	29·908	·117	29·974	+·021	29·939	83·9	70·6	13·3	87·9	67·3	20·6	76·2	80·6	76·4	0	62·9	68·6	71·1	67·5
	XIV.—Mysore.																					
29	Bangalore . .	3,021	27·055	26·943	·112	27·000	+·018	29·883	78·5	57·8	20·9	82·5	49·8	32·7	71·2	75·8	67·1	+0·4	56·5	62·1	63·0	60·5
	XV.—Madras.																					
31	Pudukkottai . .	318	29·722	29·602	·120	29·662		29·914	83·2	68·3	14·9	86·1	62·4	23·7	77·7	81·1	75·7			69·4	70·3	
	Madras . .	22	30·041	29·937	·104	29·988	+·008	29·942	84·4	69·9	14·5	86·5	63·8	22·7	80·1	81·0	76·4	+0·7	67·4	72·1	72·0	70·5
	Hill stations, excluding Kashmir and Baluchistan.																					
	Sarain . . .		23·244	23·177	·067	23·199		23·161	49·9	29·1	20·8	58·4	24·1	34·3	40·0	38·9	38·6			33·7	34·1	
	Kalabagh . .																					
	Katmandu . .	4,338	25·823	25·716	·107	25·767	+·057	25·720	65·8	37·8	28·0	70·4	32·8	38·6	50·0	62·2	50·9	—1·7	36·2	46·5	51·3	44·8
	Kodaikanal . .	7,638	22·874	22·810	·064	22·842		22·777	62·5	46·2	16·3	72·4	39·6	22·8	59·2	56·7	54·3		41·6	51·8	52·3	48·6
	Dodabetta . .	8,538																				
	Extra India.																					
	Seychelles . .	15	29·983	29·880	·103	29·941	+·005	29·880	82·0	76·7	5·3	84·3	73·7	10·6	80·1	81·0	78·2	+0·3	71·3	75·6	75·9	74·3
	Mauritius . .	181																				

N.B.—Elevations in italics indicate barometric determinations.
Note.—The barometric readings are not reduced to sea-level in the case of hill or plateau stations, the elevations of which exceed 1,000 feet.

A.

at 11 stations in India, etc., in December, 1915.

Vapour tension in inches of mercury.					Humidity.					Cloud.				Wind direction.											Wind steadiness.		Wind velocity.		Rainfall.		Station.	Number of sub-division.
														Total number of 10 hrs. and 16 hrs. winds from																		
From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean 10 hrs.	Mean 16 hrs.	Mean of two previous columns.	Departure from normal.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Mean wind direction.	Normal mean wind direction of month.	Average percentage.	Normal percentage.	Mean velocity in miles per diem.	Normal.	Total rainfall for the month.	Heaviest rainfall during the month.		
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
																															III.—Bengal.	
·412	·449	·395	·431	—·007	90	60	44	68	— 3	0·9	1·5	1·2	—0·6	1	15	0	0	1	0	3	4	38	N 40° W	N 13° W	82	63	55	44	0	0	Calcutta . .	5
																															VI.—Punjab.	
·221	·252	·280	·249	—·022	85	54	40	61	— 2	2·5	3·0	2·7	—0·1	36	3	0	0	3	1	0	6	13	N 55° W	N 36° W	26	21	17	23	0·15	0·15	Lahore . .	11
																															IX.—Rajputana.	
·212	·232	·242	·229	—·038	57	32	27	44	— 9	1·5	2·9	2·2	—0·3	8	3	4	10	5	2	8	12	10	N 79° W	N 27° W	14	27	56	51	0·11	0·11	Jaipur . .	18
																															X.—Bombay.	
·472	·596	·637	·593	—·046	63	66	61	67	— 5	0·8	1·2	1·0	—0·9	0	2	8	17	4	0	0	11	20	N 1° E	N 15° E	31	55	144	170	0·07	0·07	Bombay . .	25
																															XIV.—Mysore.	
·462	·452	·427	·461	—·005	94	59	49	69	— 1	2·7	3·1	2·9		0	2	24	29	7	0	0	0	0	N 74° E	N 72° E	85	81	134	96	0·29	0·22	Bangalore . .	29
																															XV.—Madras.	
	·608	·599				65	57			4·5	6·8	5·7		3	10	37	9	0	0	0	0	3	N 41° E		82		137		4·38	1·62	Pudukkottai .	34
·640	·682	·658	·679	—·050	88	67	63	75	— 7	3·9	3·7	3·8	—1·7	0	27	30	2	0	0	0	0	3	N 22° E	N 24° E	87	81	125	128	0·43	0·18	Madras.	
																															Hill stations, excluding Kashmir and Baluchistan.	
	·129	·148				55	64			3·2	3·0	3·1																	0·81	0·38	Sarain.	
																															Kalabagh.	
·195	·227	·267	·251	—·017	85	77	48	73		3·5	3·3	3·4		0	0	0	26	0	0	0	26	0	W	N 72° W	32	43	10	16	0	0	Katmandu.	
·222	·311	·348	·294		69	64	77	70	— 5	4·1	5·5	4·8	+2·2	0	8	9	17	16	1	0	3	8	N 73° E		43		194		5·32	1·24	Kodaikanal.	
																															Dodabetta.	
																															Extra India.	
·697	·839	·823	·810	—·022	76	80	78	80	— 3†	7·0	6·8	6·9	—0·1	3	3	3	0	0	0	0	5	43	N 43° W	N 44° W	79	55	137	109	14·96	2·87	Seychelles.	
																															Mauritius.	

† Departure from old normal.

Table B.—Abstract of observations taken at 8 hrs. at 212 stations in India, etc., in December, 1915.

(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 2,300 stations.

Division.	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	—·009	80·5	—1·9	51·7	—0·6	71·2	—1·2	18·8	28·8	+0·4	— 5	85	+ 1	·552	—·017	4·1	+1·1	1·86	0·35	+1·51
Assam	—·011	76·2	+1·6	53·9	+1·4	65·0	+1·5	22·4	32·3	—0·4	— 2	93	— 1	·458	+·030	4·0	—0·5	0·16	0·35	—0·19
Bengal	—·002	78·2	+0·6	55·7	+0·2	67·0	+0·4	22·5	31·5	—0·3	—13	84	— 1	·452	—·006	1·3	—0·2	0	0·16	—0·16
Bihar and Orissa	+·003	76·9	0	52·0	+0·1	64·9	0	24·0	32·8	—0·1	— 6	78	0	·385	—·001	1·2	—0·2	0·01	0·19	—0·18
United Provinces of Agra and Oudh	+·001	75·7	+0·9	47·8	+0·1	61·8	+0·5	28·0	38·1	—0·2	+ 1	72	— 4	·305	—·013	1·4	0	0·09	0·35	—0·26
Punjab	0	72·6	+1·5	42·1	—1·0	57·3	+0·2	30·5	43·5	+0·2	+ 4	68	— 4	·217	—·027	2·0	—0·6	0·10	0·42	—0·32
North-West Frontier Province	—·013	69·4	—0·3	36·3	—3·5	52·9	—1·9	33·1	45·7	—0·7	—13	69	— 2	·173	—·040	2·7	—0·5	0·08	0·56	—0·48
Sind	+·007	78·2	+0·2	52·1	0	65·1	+0·1	25·1	40·2	—0·6	0	57	— 2	·272	—·015	1·5	—0·7	0	0·08	—0·08
Rajputana	—·009	79·2	+1·5	51·0	+1·5	65·1	+1·5	28·2	41·1	—0·3	— 1	46	—12	·202	—·049	1·6	—0·4	0·02	0·24	—0·22
Bombay	+·007	81·3	—0·8	59·0	0	71·7	—0·4	25·2	37·0	—0·6	0	60	0	·394	—·015	1·1	—0·4	0·30	0·20	+0·10
Central India	+·002	77·8	+0·6	48·5	+0·2	63·2	+0·5	29·3	42·3	—0·6	—11	64	0	·286	—·009	1·7	0	0·10	0·27	—0·17
Central Provinces	+·008	80·0	+0·1	52·7	+0·1	66·3	+0·1	27·3	37·4	+0·2	+ 3	62	— 1	·323	—·011	2·0	—0·1	0·42	0·43	—0·01
Hyderabad	+·013	82·0	—1·4	57·1	—1·4	69·5	—1·4	24·9	35·8	—0·4	+19	61	— 1	·397	—·031	2·4	—0·5	0·16	0·32	—0·16
Mysore	+·013	79·2	—1·3	58·1	—0·9	68·7	—1·1	21·1	33·1	+0·3	— 2	75	+ 1	·474	—·017	2·9	—1·0	0·37	0·51	—0·14
Madras	—·011	83·7	—0·5	67·1	—0·8	75·4	—0·7	16·7	25·2	+0·6	+ 2	76	— 1	·609	—·028	3·1	—0·5	1·38	2·22	—0·84

Tabl

(2) Abstract of observations taken at 8 hr

Number of sub-division.	Station.	Height 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
	I.—Burma.																						
8	Victoria Point	147	29·833		29·911	29·913	26th	29·751	5th	·162	74·4	82·1		70·9		76·5		11·2	87·7	6th	64·3	29th	23·
	Mergui	66	29·940	+·002	29·916	30·027	26th	29·816	5th	·211	71·6	82·4	−4·6	65·2	−2·1	73·8	−3·2	17·2	86·3	6th	58·6	29th	28·
	Tavoy	19	29·991	−·011	29·943	30·079	26th	29·852	5th	·227	70·3	83·3	−3·9	63·1	−2·0	73·5	−2·9	20·7	87·6	6th	52·6	25th	34·
	Moulmein	94	29·950	+·008	29·984	30·065	21st	29·799	5th	·266	68·7	82·9	−4·4	63·5	−3·5	73·2	−3·9	19·4	87·9	9th	55·5	20th	32·
	Rangoon	18	30·018	+·001	29·974	30·123	21st	29·832	5th	·296	68·8	82·7	−4·4	65·4	−1·9	74·1	−3·1	17·3	86·8	2nd	60·7	24th	26·
	Bassein	27	30·008	−·005	29·972	30·127	21st	29·826	5th	·301	69·1	81·5	−2·8	65·2	−0·2	73·4	−1·5	16·3	87·0	3rd	60·9	25th	26·
	Diamond Island	41	29·965	−·021P	29·942	30·089	21st	29·765	4th	·324	75·6	81·0	−2·6	71·4	−1·1	76·2	−1·9	9·6	85·0	2nd	69·0	22nd, 26th & 28th.	16·
	Toungoo	164	29·880	−·002	29·992	30·001	21st	29·742	5th	·259	65·1	80·5	−2·7	59·9	−1·7	70·2	−2·2	20·6	85·2	1st	54·9	20th	30·
	Kyaukpyu	18	30·016		29·974	30·117	21st	29·864	5th	·253	71·1	79·7		66·5		73·2		13·2	84·8	2nd	59·3	30th	25·
	Akyab	20	30·019	−·010	29·980	30·128	21st	29·853	5th	·275	66·7	80·1	−1·0	63·2	−0·3	71·7	−0·7	16·9	84·2	2nd	57·5	30th	28·
	Minbu	*165*	29·382	−·028	29·996	29·972	21st	29·773	6th	·199	65·6	80·4	−2·5	60·4	−0·1	70·4	−1·3	20·0	85·5	1st	57·0	4 days	28·
	Yamethin	657	29·375	−·013	30·007	29·468	21st	29·268	6th	·200	64·5	81·4	−2·4	60·4	+2·4?	70·9	0 ?	21·0	87·7	1st	55·8	27th	31·
	Mandalay	250	29·819	0	30·023	29·915	21st	29·719	6th	·196	64·8	84·1	+0·9	60·5	+1·1	72·3	+1·0	23·6	89·9	1st	55·5	21st	34·
	Mongwa	*950*	29·777	−·003	30·018	29·862	21st	29·693	5th & 6th.	·169	63·7	83·1	+2·8	60·5	+1·0	71·8	+1·9	22·6	88·4	2nd	58·0	4 days	30·
	Lashio	*2,820*	27·237	−·005	27·183	27·369	21st	27·133	31st	·236	52·7	70·5	−3·3	49·1	+1·0	60·1	−1·1	21·4	75·1	1st	43·6	29th	31·
	Bhamo	*361*	29·711	0	30·047	29·803	21st	29·634	6th	·166	56·1	77·2	+2·0	51·6	+0·4	64·4	+1·2	25·6	80·9	1st	47·1	30th	33·
	Myitkyina	458	29·597	−·028	30·040	29·678	21st	29·513	30th	·165	57·2	75·2	+0·2	52·9	+1·2	64·1	+0·7	22·3	79·8	1st & 2nd.	49·4	8th	30·
	II.—Assam.																						
4	Dibrugarh	353	29·725	−·025	30·062	29·809	21st	29·621	5th	·188	55·8	75·1	+2·0	52·4	+2·1	63·8	+2·1	22·7	80·2	2nd	45·3	5th & 11th.	30·
	Sibsagar	333	29·767	−·018	30·079	29·847	21st	29·666	6th	·181	56·3	73·9*	+1·6*	51·7	+1·2	62·3*	+1·4	21·2	79·6	2nd	49·0	11th	30·
	Tezpur	252	29·837	−·008	30·063	29·918	21st	29·745	6th	·173	57·3	75·9	+2·8	54·4	+1·3	65·6	+2·1	22·5	80·3	1st	51·2	11th	29·
	Gauhati	196	29·918	+·008P	30·080	30·009	21st	29·821	6th	·188	60·6	76·8	+1·5	52·7	+1·4	64·7	+1·5	24·1	81·9	2nd	49·3	12th	32·
	Dhubri	115	29·975	−·003	30·050	30·075	21st	29·876	5th & 6th.	·199	60·3	75·2	+0·8	56·5	+1·9	65·9	+1·3	18·7	79·7	1st	53·3	12th	26·
	Silchar	104	29·983	−·003	30·044	30·078	21st	29·863	5th	·209	62·0	80·4	+0·7	55·4	+0·6	67·9	+0·7	25·0	86·4	2nd	52·4	21st & 30th.	34·
	Srimangal	66	30·000		30·020	30·097	21st	29·8.0	5th	·227	57·6	82·3	+1·3	49·4?	−0·1?	65·9?	+0·5?	32·9	88·4	1st	45·6	30th	42·
	III.—Bengal.																						
5	Cox's Bazar	36	30·009		29·991	30·112	21st	29·849	5th	·263	64·4	80·7		58·5		69·6		22·2	86·3	1st	54·7	30th	31·
	Chittagong	87	29·973	−·004	30·010	30·074	21st	29·832	5th	·242	62·2	79·8	+0·3	56·8	−0·8	67·7	−0·3	21·8	84·2	4th	53·2	9th	31·
	Noakhali	43	30·030	+·006	30·022	30·141	21st	29·875	5th	·266	62·4	79·1	+1·1	56·3	+1·8	67·7	+1·5	22·8	84·8	4th	53·6	29th	31·
	Barisal	12	30·040	+·003	30·019	30·157	21st	29·912	5th	·245	63·2	77·6	−0·2	56·3	+0·2	67·0	0	21·3	82·0	1st & 5th.	53·8	20th	28·
	Narayanganj	26	30·043	−·008	30·019	30·145	21st	29·903	5th	·242	62·1	78·7	+0·6	58·0	+0·7	68·4	+0·7	20·7	84·1	4th	55·0	9th	29·
	Mymensingh	62	30·015	−·002	30·033	30·115	21st	29·890	5th	·225	60·7	78·9	+2·1	56·6	+1·6	67·7	+1·9	22·3	85·4	5th	53·8	30th	31·
	Bogra	75	30·011	−·003	30·042	30·114	21st	29·902	5th	·212	59·6	77·3	+0·7	55·0	+1·2	66·1	+0·9	22·3	81·5	1st	51·4	14th	30·
	Dinajpur	123	29·961	−·003	30·016	30·064	21st	29·868	6th	·196	58·2	77·7	+0·8	52·4	+1·5	65·1	+1·1	25·3	85·8	3rd	49·0	9th	36·
	Jalpaiguri	223	29·795	−·010	30·053	29·867	21st	29·688	6th	·199	56·9	77·4	+1·7	53·7	+1·1	65·6	+1·4	23·7	83·1	1st	50·5	14th	32·
	Saugor Island	10	30·082	+·004	30·038	30·183	21st	29·954	5th	·229	63·7	77·2	+0·6	57·4	−1·6	67·3	−0·5	19·8	81·3	1st	52·7	20th & 22rd.	28·
	Midnapore	149	29·928	−·005	30·043	30·045	21st	29·830	5th	·215	61·5	79·0	−1·0	55·1	−0·4	67·0	−0·7	23·9	84·2	31st	50·5	23rd	33·7
	Calcutta	21	30·069	−·006	30·037	30·172	21st	29·946	5th	·226	59·6	77·8	+0·8	56·5	+0·5	67·1	+0·7	21·3	81·9	5th	52·3	20th	29·6

* Mean of 27 days.

N. B.—Elevations in italics indicate barometrical determinations

B.

at 212 stations in India, etc., in December, 1915.

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.	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, 1915.	Normal rainfall for this period.	Departure from normal of this period.	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.
0	5	15	8	2	0	0	0	0	N 54° E		6·5			86		72		·617		5·5		3			1·87			1·87			1·42	Victoria Point.
19	4	8	1	1	0	0	0	0	N 39° E	N 14° E	2·5	1·3	+1·2	30	−35	80	+ 3	·620	−·067	1·5	−1·6	2	1·1	+0·9	0·84	0·37	+ 0·47	0·84	0·37	+ 0·47	0·61	Mergui.
11	5	11	2	1	1	0	0	0	N 43° E	N 30° E	2·2	0·9	+1·3	49	+38	79	− 4	·584	−·074	2·7	+1·6	2	0·3	+1·7	0·41	0·21	+ 0·20	0·41	0·21	+ 0·20	0·18	Tavoy.
0	0	6	22	2	0	1	0	0	N 86° E	N 50° E	6·3	2·0	+4·3	89	+32	82	− 1	·582	−·068	3·6	+1·7	2	0·2	+1·8	3·77	0·07	+ 3·70	3·77	0·07	+ 3·70	3·34	Moulmein.
2	10	12	6	0	0	0	0	1	N 37° E	N 41° E	3·9	3·3	+0·6	76	+ 4	86	+ 3	·606	−·018	8·0	+5·6	3	0·4	+2·8	4·53	0·15	+ 4·38	4·53	0·15	+ 4·38	2·15	Rangoon.
23	2	3	3	0	0	0	0	0	N 51° E	N 40° E	2·9	2·6	+0·3	23	−42	87	+ 1	·622	+·010	5·1	+2·8	2	0·5	+1·5	3·15	0·29	+ 2·86	3·15	0·29	+ 2·86	1·94	Bassein.
2	6	17	6	0	0	0	0	0	N 45° E	N 42° E	3·1	6·5	+1·6	82	− 4	74	0	·682	−·015	3·5	+0·5	2	0·8	+1·2	6·10	0·75	+ 5·35	6·10	0·75	+ 5·35	5·17	Diamond Island.
2	15	10	0	0	0	0	0	4	N 10° E	N 10° W	1·5	1·5	0	82	+10	94	+ 5	·578	+·003	4·5	+1·8	3	0·4	+2·6	4·02	0·24	+ 3·78	4·02	0·24	+ 3·78	3·05	Toungoo.
23	0	6	2	0	0	0	0	0	N 56° E		0·8			27		84		·637		3·3		2			0·69			0·69			0·40	Kyaukpyu.
4	15	9	2	0	0	0	0	1	N 19° E	N 18° E	2·2	1·3	+0·5	79	− 2	89	− 1	·581	+·003	2·4	+0·3	0	0·3	−0·3	0·02	0·73	− 0·71	0·02	0·73	− 0·71	0·02	Akyab.
0	0	0	0	0	0	2	1	28	N 51° W	N 50° W	3·1	5·0	−1·9	92	+18	82	+ 4	·515	+·012	4·4	+2·2	3	0·6	+2·4	2·00	0·46	+ 1·54	2·00	0·46	+ 1·54	0·85	Minbu.
21	3	0	0	0	1	1	0	5	N 41° W	N 13° W	0·8	2·5	−1·7	23	−18	85	0	·514	+·003	1·6	−0·5	3	0·7	+2·3	3·68	0·35	+ 3·33	3·68	0·35	+ 3·33	1·33	Yamethin.
30	0	0	0	0	0	0	0	1	N 45° W	N 4° W	0·2	1·4	−1·2	3	−33	86	0	·529	0	1·8	−0·3	2	0·7	+1·3	0·75	0·33	+ 0·42	0·75	0·33	+ 0·42	0·43	Mandalay.
8	10	6	0	0	0	0	0	7	N 2° W		1·5			62		85	− 4	·563	−·018	4·3	+1·2	2	1·0	+1·0	0·50	0·37	+ 0·13	0·50	0·37	+ 0·13	0·27	Monywa.
21	2	4	0	1	0	0	0	3	N 12° E		1·4			20		95	+ 1	·379	−·007	5·9	+0·2	2	1·2	+0·8	1·34	0·75	+ 0·58	1·34	0·76	+ 0·58	0·86	Lashio.
29	1	1	0	0	0	0	0	0	N 24° E	N 1° E	0·6	1·2	−0·6	7	−22	97	+ 3	·436	+·008	7·8	+4·4?	0	1·1	−1·1	0	0·56	− 0·56	0	0·56	− 0·56	0	Bhamo.
27	1	2	1	0	0	0	0	0	N 45° E		1·0			10		69	0	·414	−·031	4·2	−0·1	0	1·6	−1·6	0	0·51	− 0·51	0	0·51	− 0·51	0	Myitkyina.
																																II.—Assam.
29	0	1	1	0	0	0	0	0	N 66° E		0·2			7		97	+ 2	·432	+·039	4·4	+1·5	1	1·0	0	0·46	0·36	+ 0·10	0·46	0·36	+ 0·10	0·39	Dibrugarh.
30	0	0	0	0	1	0	0	0	S	N 63° E	0·4	1·2	−0·8	3	−26	97	− 2	·437	+·019	7·8	+2·3	1	1·6	−0·6	0·23	0·49	− 0·26	0·23	0·49	− 0·26	0·17	Sibsagar.
17	0	3	10	1	0	0	0	0	N 84° E		1·1			43		93	0	·428	+·030	1·6	−0·5	1	0·5	+0·5	0·50	0·25	+ 0·25	0·50	0·25	+ 0·25	0·50	Tezpur.
30	0	1	0	0	0	0	0	0	N 45° E		0·9			3		93	− 4	·493	+·055	4·3	−2·7	0	0·3	−0·3	0	0·09	− 0·09	0	0·09	− 0·09	0	Gauhati.
2	1	12	12	1	1	1	0	0	N 70° E	N 54° E	3·7	3·4	+0·3	72	0	88	− 2	·477	+·030	8·2	+7·0?	0	0·1	−0·1	0	0·05	− 0·05	0	0·05	− 0·05	0	Dhubri.
22	2	5	2	0	0	0	0	0	N 45° E	S 81° E	0·5	1·1	−0·6	27	+20	89	− 1	·488	+·021	0	−2·1	0	0·7	−0·7	0	0·43	− 0·43	0	0·43	− 0·43	0	Silchar.
																93	+ 3	·443	+·010	1·5		0	1·0	−1·0	0	0·35	− 0·35	0	0·35	− 0·35	0	Srimangal.
																																III.—Bengal.
17	2	6	5	1	0	0	0	0	N 60° E		1·0			37		89		·539		1·6		0			0·01			0·01			0·01	Cox's Bazar.
20	1	10	0	0	0	0	0	0	N 44° E	N 32° E	1·1	2·0	−0·9	83	−41	92	+ 3	·514	+·007	0·5	−1·6	0	0·9	−0·9	0	0·79	− 0·79	0	0·79	− 0·79	0	Chittagong.
12	15	1	0	0	0	0	0	3	N 3° W		0·6			58		88	0	·493	−·007	1·7	+0·3	0	0·3	−0·3	0	0·31	− 0·31	0	0·31	− 0·31	0	Noakhali.
21	6	2	0	0	0	0	0	2	N	N 11° E	0·4	1·2	−0·8	23	+10	83	− 3	·480	−·029	1·8	+0·6	0	0·7	−0·7	0·01	0·47	− 0·46	0·01	0·47	− 0·46	0·01	Barisal.
18	6	1	0	0	0	0	1	7	N 21° W	N 5° W	0·6	1·5	−0·9	43	− 4	82	− 5	·484	−·018	1·5	−0·7	0	0·5	−0·5	0	0·17	− 0·17	0	0·17	− 0·17	0	Narayanganj.
29	0	1	0	0	0	0	0	1	N	N 36° E	0·4	0·7	−0·3	5	−27	88	− 2	·469	+·001	1·4	−0·1	0	0·3	−0·3	0	0·07	− 0·07	0	0·07	− 0·07	0	Mymensingh.
23	3	1	0	0	0	0	2	2	N 28° W	N 1° W	0·6	1·0	−0·4	20	−25	83	+ 2	·440	+·018	1·3	+0·8	0	0·2	−0·2	0	0·03	− 0·03	0	0·03	− 0·03	0	Bogra.
12	0	3	4	0	1	2	8	1	N 84° W	N 12° W	1·2	1·4	−0·2	12	−41	85	− 2	·414	+·006	1·0	−0·1	0	0·1	−0·1	0·03	0·03	0	0·03	0·03	0	0·03	Dinajpur.
31	0	0	0	0	0	0	0	0	Calm.	N 12° E	0·5			a		91	+ 4	·421	+·002	2·1	+1·0	1	0·3	+0·7	0·17	0·09	+ 0·09	0·17	0·08	+ 0·09	0·17	Jalpaiguri.
0	20	10	1	0	0	0	0	0	N 17° E		5·4			96	+14	86	− 1	·508	−·008	1·5	−1·0	0	0·6	−0·6	0	0·33	− 0·33	0	0·33	− 0·33	0	Saugor Island.
14	8	2	0	0	0	0	0	7	N 12° W		1·8			45		68	0	·373	−·010	0·8	−0·4	0	0·3	−0·3	0	0·25	− 0·25	0	0·25	− 0·25	0	Midnapore.
6	5	0	0	1	0	0	0	19	N 38° W	N 4° W	2·3	1·8	+0·5	72	+22	83	+ 2	·422	−·018	1·0	−0·5	0	0·4	−0·4	0	0·21	− 0·21	0	0·21	− 0·21	0	Calcutta.

(a) Indeterminate.

Table

(2) Abstract of observations taken at 8 hrs.

Number of sub-division.	Station.	Height 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
	III.—Bengal—*concld.*																						
	Jessore	30	30·064	+·007	30·042	30·170	21st	29·935	5th	·235	61·9	77·8	+0·3	53·6	−1·1	65·7	−0·4	24·2	83·0	5th	48·1	24th	34·9
	Burdwan	99	29·998	−·002	30·050	30·116	21st	29·838	5th	·228	60·3	79·1	+0·6	54·8	−1·3	67·0	−0·3	24·3	83·5	5th	49·6	20th	34·0
	Berhampore	67	30·027	−·002	30·046	30·125	21st	29·925	6th	·200	58·8	76·5	−0·1	55·2	−0·2	65·8	−0·1	21·3	80·8	1st	51·2	20th	29·6
	IV.—Bihar and Orissa.																						
6	Balasore	50	30·068	+·016	30·085	30·185	21st	29·935	5th	·250	60·2	78·9	−1·0	55·1	−0·6	67·0	−0·8	23·8	82·5	31st	51·2	21st	31·3
	Hukitola (False Point)	29	30·069	+·006	30·039	30·182	21st	29·938	5th	·244													
	Cuttack	80	30·031	+·015	30·055	30·137	21st	29·903	5th	·234	61·9	78·6	−3·0?	57·7	−1·2	68·2	−2·1?	20·9	82·7	31st	54·4	11th	28·3
	Puri	24	30·079	+·010	30·044	30·189	21st	29·953	5th	·236	64·8	81·2	+0·7	62·3	+0·2	71·7	+0·5	18·9	83·2	5th, 6th & 20th.	59·3	22nd	23·9
	Angul	455	29·643	+·018	30·069	29·743	21st	29·536	5th	·207	62·2	78·7	−0·4	54·5	−0·1	66·6	−0·2	24·2	84·1	31st	50·0	21st	34·1
	Sambalpur	486	29·621	+·006	30·083	29·707	21st	29·526	5th	·181	59·8	78·7	−1·1	52·7	−1·4	65·7	−1·3	26·0	81·7	31st	48·0	12th	33·7
7	Chaibasa	*733*	29·331	−·009	30·072	29·440	21st	29·226	6th	214	55·3	78·3	+0·8	51·1	+0·1	64·7	+0·5	27·2	83·0	31st	47·0	22nd	36·0
	Ranchi	2,128	27·915	+·009	30·067	28·004	21st	27·819	6th	·185	57·1	73·2	−0·1	50·9	−0·3	62·1	−0·2	22·3	76·7	17th & 26th.	43·8	21st	32·9
	Purulia	*816*	29·264†	+·013†	30·077†	29·374	21st	29·165	6th	·209	58·9	78·3*	+0·7*	53·4†	+0·1†	66·1*	+0·4*	25·4	82·2	29th	48·6	20th	33·6
	Daltonganj	*730*	29·353	−·013	30·090	29·461	21st	29·237	30th	·224	51·5	76·6	−0·1	45·4	−0·5	61·0	−0·3	31·2	80·5	17th	40·6	11th & 23rd.	39·9
8	Purnea	124	29·969	−·009	30·056	30·078	21st	29·675	5th	·203	56·2	76·0	+0·2	50·5	+1·1	63·2	+0·7	25·5	80·9	1st	46·6	10th	34·3
	Monghyr	155	29·939		30·055	30·051	21st	29·832	30th	·219	59·2	74·4		54·0		64·2		20·4	79·0	1st	48·9	23th	30·1
	Darbhanga	165	29·934	−·001	30·063	30·029	21st	29·827	6th	·202	59·7	74·9	0	51·3	−1·4?	63·1	−0·7?	23·6	81·0	4th	47·3	14th	33·7
	Pusa	188	29·904		30·059	30·018	21st	29·789	6th	·229	55·4	75·9		49·3?		62·6?		26·6?	81·1	4th	45·4	10th	35·7
	Patna	183	29·902	−·022?	30·051	30·009	21st.	29·793	6th	·216	59·9	72·9	−1·4	53·3	+1·5	63·1	+0·1	19·6	77·3	4th	43·4	10th	28·9
	Buxar	239	29·853	−·013	30·053	29·958	21st	29·736	6th	·222	56·3	76·8	+0·7	51·5	+0·6	64·1	+0·7	25·3	80·5	18th	45·7	23rd	34·8
	Gaya	272	29·733	+·005	30·079	29·837	21st	29·611	30th	·226	58·9	75·3	−1·0	52·5	+1·2	63·9	+0·1	22·8	78·6	8th	48·0	20th	30·6
	Naya Dumka	489	29·588	−·003	30·058	29·691	21st	29·499	6th	·192	59·6	77·6	+1·5	51·1	−0·4	64·3	+0·5	26·5	81·3	1st	46·3	10th	35·0
	V.—United Provinces of Agra and Oudh.																						
9	Gorakhpur	257	29·821	−·007	30·054	29·908	21st	29·699	6th	·209	55·6	75·0	+0·8	50·2	+0·2	62·6	+0·5	24·8	79·4	3rd	45·6	22nd	33·8
	Benares	267	29·841	+·006	30·080	29·954	21st	29·713	6th	·241	55·5	75·6	+0·5	47·6	−0·2	61·6	+0·1	28·0	79·9	7th	41·8	23rd	38·1
	Allahabad	309	29·790	−·005	30·073	29·892	21st	29·667	6th	·225	55·3	76·3	+0·5	47·7	−0·1	62·0	+0·2	28·6	81·1	7th	41·5	24th	39·6
	Cawnpore	416	29·686	+·003	30·090	29·803	20th	29·554	6th	·249	52·7	75·1	+0·6	48·1	−0·4	61·6	+0·1	27·0	80·0	7th & 30th	42·5	24th	37·5
	Lucknow	368	29·726	+·001	30·075	29·834	21st	29·603	6th	·231	57·4	76·5	+0·8	49·0	+2·7?	62·8	+1·7?	27·5	81·4	7th	42·2	24th	39·2
	Bahraich	407	29·666	−·002	30·062	29·773	21st	29·530	6th	·243	53·9	75·6	+0·4	49·1	+1·4	62·4	+0·9	26·5	80·5	2nd	44·6	22nd	35·9
10	Jhansi	824	29·277	−·002	30·109	29·381	21st	29·129	29th	·252	56·7	79·6	+1·3	49·2	−3·2?	64·4	−0·9?	30·4	86·1	16th	43·8	9th	42·3
	Agra	556	29·546	+·004	30·096	29·653	21st	29·405	6th & 29th.	·248	57·7	76·9	+1·4	49·9	+0·8	63·4	+1·1	27·0	81·4	6th	43·3	19th	38·1
	Mainpuri	516	29·585	+·014	30·098	29·684	21st	29·441	6th	·243	52·4	76·9	+2·0	46·5	−0·6	61·7	+0·7	30·4	80·3	6th	40·3	20th	40·0
	Bareilly	568	29·496	−·005	30·067	29·602	20th	29·349	6th	·253	52·1	74·0	+1·3	46·1	+0·1	60·1	+0·7	27·9	77·9	2nd	41·0	9th	36·9
	Roorkee	899	29·162	+·007	30·099	29·257	20th	29·033	6th	·224	48·4	71·6	−0·3?	41·9	−1·4	56·8	−0·9?	29·7	75·5	2nd	38·2	9th	37·3
	VI.—Punjab.																						
11	Delhi	718	29·361	+·002	30·094	29·486	20th	29·225	6th & 29th.	·241	53·6	74·8	+1·5	49·7	+0·7	62·2	+1·1	25·1	81·0	6th	42·7	22nd	37·3
	Hissar	725	29·354	−·007	30·102	29·475	17th	29·199	29th	·276	48·7	76·1	+1·9	42·5	+0·5	59·8	+1·2	32·6	82·7	6th	35·4	22nd	47·3

N.B. Elevations in italics indicate barometrical determinations.

* Mean of 29 days.
† " " 30 "

B—*continued.*

at 212 stations in India, etc., in December, 1915—*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.	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, 1915.	Normal rainfall for this period.	Departure from normal of this period.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																III.—Bengal—*concld.*
29	1	1	0	0	0	0	0	0	N 24° E	N 11° W	1·2	1·1	+0·1	7	−32	79	− 5	·440	−·010	0·9	−0·4	0	0·5	− 0·5	0	0·19	− 0·19	0	0·19	− 0·19	0	Jessore.
16	1	12	2	0	0	0	0	0	N 48° E	N 22° W	1·1	1·2	−0·1	46	+ 7	71	− 2	·381	−·009	1·3	−0·3	0	0·3	− 0·3	0	0·16	− 0·16	0	0·16	− 0·16	0	Burdwan.
23	3	0	0	0	0	2	2	1	N 60° W	N 41° W	0·5	1·0	−0·5	13	−27	84	0	·419	−·008	0·9	−0·8	0	0·3	− 0·3	0	0·11	− 0·11	0	0·11	− 0·11	0	Berhampore.
																																IV.—Bihar and Orissa.
30	1	0	0	0	0	0	0	0	N	N 25° W	0·2	1·5	−1·3	3	−69	81	+ 3	·423	+·001	0·9	−0·5	0	0·5	− 0·5	0	0·26	− 0·26	0	0·26	− 0·26	0	Balasore.
1	17	0	0	0	0	0	1	12	N 20° W		4·6			89	+ 3					1·9	−0·8	0	0·9	− 0·9	0	0·77	− 0·77	0	0·77	− 0·77	0	Hukitala (False Point).
27	0	0	0	0	0	1	3	0	S 79° W	N 48° W	0·7	0·9	−0·2	13	− 1	80†	+ 3	·443†	−·011	1·2	−1·1	0	0·6	− 0·6	0	0·35	− 0·35	0	0·35	− 0·35	0	Cuttack.
1	15	0	0	0	0	0	0	15	N 23° W		4·9			94		80	+ 3	·495	−·014	1·2	−0·2	0	0·6	− 0·6	0	0·43	− 0·43	0	0·43	− 0·43	0	Puri.
8	0	1	0	0	0	0	4	18	N 51° W		2·5			65		74	− 5	·420	−·007	1·0	−0·6	0	1·2	− 1·2	0	0·53	− 0·53	0	0·53	− 0·53	0	Angul.
0	17	12	0	0	0	1	0	1	N 16° E	N 16° E	2·5	1·8	+0·7	56	+ 5	81	+ 7	·413	+·007	0·9	−0·9	0	0·4	− 0·4	0	0·28	− 0·28	0	0·28	− 0·28	0	Sambalpur.
25	0	0	0	0	0	4	2	0	S 59° W	S 68° W	1·5	0·7	+0·8	20	−20	83	− 3	·366	−·012	1·5	0	0	0·6	− 0·6	0	0·24	− 0·24	0	0·24	− 0·24	0	Chaibasa.
8	1	0	0	0	0	0	9	13	N 61° W	N 68° W	3·0	3·1	−0·1	66	+27	64*	0	·300*	−·009	1·5	−0·1	0	0·6	− 0·6	0	0·22	− 0·22	0	0·22	− 0·22	0	Ranchi.
5	0	0	0	0	0	0	8	18	N 58° W		1·6*			78		68	− 1	·341	−·004	1·6	+0·3	0	0·6	− 0·6	0	0·17	− 0·17	0	0·17	− 0·17	0	Purulia.
16	0	2	7	4	1	1	0	0	S 75° E		2·0			36		88	+ 7	·332	−·013	1·0	−0·2	0	0·6	− 0·6	0	0·24	− 0·24	0	0·24	− 0·24	0	Daltonganj.
3	0	5	0	1	3	8	8	3	S 72° W	S 88° W	1·2	1·1	+0·1	40	+21	93	+ 2	·421	+·042	1·4	+0·6	0	0·2	− 0·2	0	0·10	− 0·10	0	0·10	− 0·10	0	Purnea.
4	1	1	0	0	1	10	11	3	S 78° W		2·7			61		73		·370		1·2		0			0			0			0	Monghyr.
18	0	0	1	0	0	1	11	0	S 86° W	N 86° W	1·1	1·5	−0·4	37	+ 7	82	− 5	·421	+·017	·8	0	0	0·1	− 0·1	0	0·06	− 0·06	0	0·06	− 0·06	0	Darbhanga.
10	2	0	1	0	2	6	7	3	S 81° W		1·6			39		89		·388		1·5		0			0·02			0·02			0·02	Pusa.
13	0	0	0	1	3	5	9	0	S 59° W	S 78° W	1·4	1·4	0	43	−11	74	− 1	·381	+·010	1·2	+0·1	0	0·3	− 0·3	0	0·09	− 0·09	0	0·09	− 0·09	0	Patna.
3	0	0	1	0	3	15	9	0	S 52° W		2·6			74		75	+ 4	·342	−·006	2·0	+0·6	0	0·5	− 0·5	0·06	0·21	− 0·15	0·06	0·21	− 0·15	0·06	Buxar.
26	1	0	0	0	1	3	0	0	S 45° W	S 10° W	1·2	1·8	−0·6	10	−22	66	− 6	·334	−·009	1·1	−0·5	0	0·2	− 0·2	0	0·14	− 0·14	0	0·14	− 0·14	0	Gaya.
28	1	0	0	1	0	0	1	0	N 45° W		1·3			1		70	− 3	·362	−·003	0·5	−0·6	0	0·3	− 0·3	0	0·08	− 0·08	0	0·08	− 0·08	0	Naya Dumka.
																																V.—United Provinces of Agra and Oudh.
22	0	0	2	0	0	1	5	1	W	N 69° W	1·4	0·8	+0·6	14	−18	85	+ 4	·376	+·008	0·8	−0·3	0	0·4	− 0·4	0·07	0·15	− 0·08	0·07	0·15	− 0·08	0·07	Gorakhpur.
12	0	0	1	3	2	10	2	1	S 33° W	S 56° W	1·1	1·7	−0·6	40	+11	86	− 1	·353	0	1·5	+0·3	0	0·5	− 0·5	0	0·25	− 0·25	0	0·25	− 0·25	0	Benares.
19	0	0	0	0	0	2	9	1	S 86° W	N 76° W	0·6	2·2	−1·6	37	+ 8	73	− 4	·322	−·018	2·1	+0·6	1	0·5	+ 0·5	0·14	0·27	− 0·13	0·14	0·27	− 0·13	0·14	Allahabad
12	1	1	0	0	2	2	10	3	N 88° W	N 82° W	1·4	1·8	−0·4	41	+12	76	− 9	·303	−·011	0·8	−0·4	0	0·7	− 0·7	0·02	0·24	− 0·22	0·02	0·24	− 0·22	0·02	Cawnpore.
30	0	0	0	0	0	0	1	0	W	N 76° W	1·2	1·2	0	3	−26	62	−16?	·307	−·014	1·7	+0·3	0	0·8	− 0·8	0	0·35	− 0·35	0	0·35	− 0·35	0	Lucknow.
9	4	0	1	0	2	3	8	4	N 77° W	N 51° W	1·5	1·1	+0·4	40	+16	79	− 3	·229	−·016	0·8	−0·3	1	0·7	+ 0·3	0·37	0·32	+ 0·05	0·37	0·32	+ 0·05	0·37	Bahraich.
12	0	1	0	0	0	10	5	3	S 73° W	N 79° W	2·0	1·5	+0·5	46	+28	56	− 3	·259	−·047	1·4	+0·3	2	0·7	+ 1·3	0·23	0·27	− 0·04	0·23	0·27	− 0·04	0·13	Jhansi
17	0	1	1	1	1	5	3	2	S 60° W	N 61° W	1·6	2·1	−0·5	29	−16	53	−14	·253	−·025	1·3	−0·1	0	0·8	− 0·8	0	0·33	− 0·33	0	0·33	− 0·33	0	Agra.
7	2	1	1	1	1	5	5	7	N 73° W	N 66° W	1·1	0·8	+0·3	37	+13	65	− 8	·260	−·028	1·6	−0·3	0	1·1	− 1·1	0·01	0·46	− 0·45	0·01	0·46	− 0·45	0·01	Mainpuri.
0	1	0	0	0	0	0	0	0	N	N 44° W	0	1·2	−1·2	3	−11	81	0	·316	+·009	2·3	+0·8	0	1·0	− 1·0	0·04	0·38	− 0·34	0·04	0·38	− 0·34	0·04	Bareilly.
15	0	2	0	2	0	0	0	2	N 45° E	N 39° W	1·0	1·0	0	3	− 4	82	− 2	·281	+·004	1·0	−1·1	1	1·3	− 0·3	0·20	0·63	− 0·43	0·20	0·63	− 0·43	0·11	Roorkee.
																																VI.—Punjab.
	0	0	1	2	0	1	12	7	N 80° W	N 87° W	1·5	1·8	−0·3	49	+ 5	54	− 9	·224	−·029	1·4	−0·8	0	1·1	− 1·1	0·02	0·48	− 0·46	0·02	0·48	− 0·46	0·01	Delhi.
	2	0	6	4	4	7	4	1	S 5° W	N 84° W	2·9	2·0	+0·9	30	+23	60	−11	·208	−·036	2·5	+0·1	0	0·8	− 0·8	0·02	0·31	− 0·29	0·02	0·31	− 0·29	0·02	Hissar.

* Mean of 29 days.
† „ „ 30 „

Table

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

Number of sub-division.	Station.	Height 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
	VI.—Punjab—*concld.*																						
	Patiala	*818*	29·235	—·014	30·087	29·334	17th	29·086	29th	·248	47·7	72·5	+1·3	44·1	—0·1	58·3	+0·6	28·4	79·6	6th	35·4	23rd	43·2
	Ambala	892	29·161	0	30·100	29·262	16th	29·037	29th	·225	46·6	73·1	+1·0	41·7	—1·8	57·4	—0·4	31·4	78·7	6th	33·1	23rd	45·6
	Ludhiana	812	29·257	+·004	30·105	29·371	20th	29·123	29th	·248	47·2	72·1	+1·7	44·6	+0·2	58·4	+0·9	27·5	77·5	6th	36·8	23rd	40·7
	Lahore	702	29·375	+·001	30·115	29·495	20th	29·249	29th	·246	43·5	71·3	—1·5?	40·5	—0·4	55·9	—0·9?	30·8	76·8	3rd	33·8	23rd	43·0
	Sialkot	830	29·247	+·008	30·123	29·366	20th	29·123	29th	·243	45·6	72·0	+2·4	38·3	—4·4	55·1	—1·0	33·7	79·1	2nd & 3rd	33·5	23rd	45·6
	Rawalpindi	1,674	28·384	0	30·176	28·516	16th	28·266	6th & 29th.	·250	39·6	69·5	+2·4	34·3	—3·1	51·9	—0·3	35·2	74·2	3rd	31·3	12th	42·9
12	Khushab	612	29·498	+·008	30·135	29·634	16th	29·363	29th	·271	46·0	72·6	+0·5						78·9	1st			
	Lyalipu	605	29·483		30·112	29·611	17th	29·352	29th	·259	44·7	70·2		39·0		54·6		31·2	77·3	1st	34·0	23rd	43·3
	Montgome	558	29·538	—·002	30·114	29·680	17th	29·405	15th	·275	47·7	72·7	+0·2	42·3	—0·3	57·5	—0·1	30·4	81·3	5th	32·5	23rd	47·8
	Multan	426	29·687	0	30·114	29·855	17th	29·536	15th	·319	49·4	74·2	+0·7	44·6	—0·4	59·4	+0·1	29·6	79·9	1st	38·6	21st	41·3
	VII.—North-West Frontier Province.																						
14	Peshawar	1,113	28·981	—·007	30·183	29·100	20th	28·869	6th	·231	37·7	67·8	+0·8	34·5	—4·7	51·2	—1·9	33·3	75·0	7th	28·4	22nd	46·6
	Dera Ismail Khan	590	29·511	—·018	30·130	29·656	16th & 17th.	29·392	29th	264	42·5	71·0	—1·3	38·2	—2·3	54·6	—1·8	32·8	76·7	1st & 2nd	31·8	22nd	44·9
	VIII.—Sind.																						
16	Jacobabad	186	29·952	+·014	30·114	30·181	17th	29·815	15th	·366	49·1	76·3	—0·4	43·8	—0·5	60·0	—0·5	32·5	81·5	3rd	35·6	24th	45·9
	Hyderabad	96	30·023	—·002	30·077	30·231	17th	29·896	15th	·335	56·5	78·7	—0·3	52·0	—0·3	65·4	—0·3	26·7	87·9	4th	45·9	23rd	42·0
	Karachi	13	30·118	+·003	30·081	30·305	17th	30·009	15th	·296	63·7	79·5	+1·3	60·5	+0·9	70·0	+1·1	19·0	86·3	1st	53·6	27th	32·7
	IX.—Rajputana.																						
17	Bikaner	*771*	29·299	—·018	30·085	29·439	17th	29·149	15th	·290	53·5	77·2	+2·1	47·6	—2·8?	62·4	—0·3?	29·6	85·0	4th	39·9	18th	45·1
	Jodhpur	780	29·288	—·011	30·070	29·448	17th	29·134	15th	·314	58·9	81·3	+1·6	53·7	+1·0	67·5	+1·3	27·6	87·5	1st	45·3	30th	42·2
18	Jaipur	1,431	28·622	—·023?	30·085	28·718	17th	28·501	15th	·217	57·1	78·7	+1·4	51·1	+2·0	64·9	+1·7	27·6	83·8	1st	42·1	18th	41·7
	Ajmer	1,611	28·461	—·006	30·129?	28·579	17th	28·324	15th	·255	50·1	77·1	+0·9	48·0	+1·5	62·6	+1·2	29·1	82·8	2nd	42·0	7th	40·8
	Kotah	832	29·251	—·002	30·080	29·365	17th	29·131	29th	·234	60·8	81·5	+2·3	54·6	+1·3	68·1	+1·8	26·9	86·2	16th	50·6	24th	35·6
	X.—Bombay.																						
19	Deesa	466	29·615	+·007	30·058	29·734	17th	29·503	15th	·231	63·0	87·8	+2·1	55·0	+2·1?	71·4	+2·3?	32·8	92·8	2nd	47·3	30th	45·5
	Bhuj	334	29·748	+·001	30·049	29·894	17th	29·654	15th	·240	63·8	82·4	+0·4	52·5	—3·5?	67·5	—1·5?	29·9	88·4	1st	46·7	7th	41·7
	Jamnagar	61	30·035	+·009	30·044	30·173	17th	29·936	15th	·237	66·0	82·2	+0·2	56·1	+0·8	69·1	+0·5	26·1	89·9	1st	47·3	31st	42·6
	Dwarka	37	30·056	+·001	30·038	30·171	17th	29·965	15th	·206	68·4	81·6	+0·7	63·6	+2·8?	72·6	+1·7?	18·0	89·3	1st & 2nd	58·5	31st	30·8
	Rajkot	429	29·631	—·008?	30·018	29·740	17th	29·541	15th	·199	63·8	86·1	+0·9	54·3	+1·4	70·2	+1·1	31·8	91·6	1st	45·7	31st	45·9
	Veraval	*18*	30·043	+·001	30·003	30·116	17th	29·985	15th	·131	68·9	83·2	—1·0	63·6	+1·4	73·4	+0·2	19·6	90·1	2nd	57·6	31st	32·5
	Bhavnagar Para	55	30·028	+·007	30·030	30·131	17th	29·953	15th	·178	64·8	85·8	+0·4	58·0	+1·7	71·9	+1·1	27·8	91·6	1st	52·0	31st	39·6
	Surat	39	30·028	+·003	30·011	30·102	17th	29·959	23rd	·143	66·3	88·0	+0·3	60·3	+2·0	74·1	+1·1	27·7	93·5	1st	54·9	31st	38·6
	Ahmadabad	163	29·933	+·016	30·051	30·015	17th	29·852	15th	·193	69·7	88·0	+1·6	60·5	+1·0	74·3	+1·3	27·5	94·3	1st	52·5	10th	41·8
25	Bombay	37	30·016	+·009	29·994	30·087	17th	29·972	23rd & 25th.	·115	72·6	84·0	—0·7	70·5	+0·5	77·2	—0·1	13·5	87·9	2nd	67·3	7th	20·6
	Ratnagiri	207	29·818	+·006	29·868	29·896	21st	29·770	7th	·126	75·5	88·7	—0·6	68·3	+1·0	78·5	+0·2	20·4	93·5	1st	62·9	7th	30·6
	Marmagao	*60*	29·967	+·004	29·963	30·028	17th	29·920	23rd & 29th.	·108	71·1	82·5	—3·3	68·8	—1·7	75·7	—2·5	13·7	86·3	30th	64·6	7th	21·7
	Karwar	44	29·991	+·020	29·970	30·055	17th	29·941	28th	·114	68·1	87·5	—0·1	65·1	—1·3	76·3	—0·7	22·4	90·9	30th	58·0	7th	32·9

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

B—*continued.*

at 212 stations in India, etc., in December, 1915—*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.	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, 1915.	Normal rainfall for this period.	Departure from normal of this period.	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
																																VI.—Punjab—*concld.*
8	5	0	3	1	1	0	4	9	N 35° W		2·8			39		71	− 2	·235	−·039	2·1	−0·3	1	1·3	−0·3	0·10	0·40	−0·30	0·10	0·40	−0·30	0·10	Patiala.
16	9	0	1	1	0	0	0	4	N 5° W	N 41° W	2·1	1·1	+1·0	37	+17	76	− 6	·243	−·028	2·6	+0·2	1	1·6	−0·6	0·28	0·69	−0·41	0·28	0·69	−0·41	0·20	Ambala.
30	0	1	0	0	0	0	0	0	N 45° E	N 47° W	0·5	0·9	−0·4	3	−14	72	− 3	·234	−·024	1·3	−1·6	0	1·4	−1·4	0·07	0·75	−0·68	0·07	0·75	−0·68	0·03	Ludhiana.
26	1	0	1	0	0	0	1	2	N 31° W	N 58° W	0·7	0·9	−0·2	7	0	82	0	·231	−·024	2·1	−0·5	1	0·9	+0·1	0·15	0·40	−0·25	0·15	0·40	−0·25	0·15	Lahore.
23	1	3	2	0	0	0	0	2	N 31° E	N 63° E	0·6	0·7	−0·1	20	+13	84	+ 9	·256	+·004	1·4	−1·0	1	1·1	−0·1	0·21	0·69	−0·48	0·21	0·69	−0·48	0·21	Sialkot.
10	1	1	0	1	0	2	4	2	N 80° W	N 41° W	2·1	0·9	+1·2	17	+ 3	70	− 4	·169	−·038	2·2	−1·4	1	1·7	−0·7	0·19	0·97	−0·78	0·19	0·97	−0·78	0·19	Rawalpindi.
27	0	1	2	0	1	0	0	0	S 83° E	N 27° E	1·6	1·5	+0·1	9	− 5	45	−15	·140	−·058?	2·3	−0·2	0	0·6	−0·6	0·04	0·43	−0·39	0·04	0·43	−0·39	0·04	Khushab.
19	2	2	2	1	0	3	0	2	N 17° E		1·0			7		79		·232		2·8		1	0·5	+0·5	0·42	0·20	+0·22	0·42	0·20	+0·22	0·42	Lyallpur.
9	5	1	2	4	2	0	1	7	N 4° W	N 66° E	2·4	1·9	+0·5	19	+ 1	62	− 2	·205	−·022	1·8	−0·7	0	1·1	−1·1	0·01	0·38	−0·37	0·01	0·38	−0·37	0·01	Montgomery.
23	4	2	0	2	0	0	0	0	N 35° E	N 53° E	0·3	0·8	−0·5	17	− 1	63	− 6	·223	−·035	1·6	−0.5	0	0·7	−0·7	0·08	0·25	−0·17	0·08	0·25	−0·17	0·08	Multan.
																																VII.—North-West Frontier Province.
28	0	0	0	0	3	0	0	0	S	S 16° W	0·3	1·7	−1·4	10	−19	74*	+ 4	·172*	−·033	1·7	−2·0	0	1·1	−1·1	0·06	0·49	−0·43	0·06	0·49	−0·43	0·06	Peshawar.
27	0	0	1	0	0	0	1	2	N 45° W	N 32° W	0·5	0·6	−0·1	3	− 8	64	− 8	·175	−·047	3·6	+1·0	0	0·7	−0·7	0	0·21	−0·21	0	0·21	−0·21	0	Dera Ismail Khan.
																																VIII.—Sind.
27	0	1	2	0	1	0	0	0	S 83° E	N 7° E	0·9	1·2	−0·3	9	− 5	62	− 4	·221	−·028	2·5	−0·1	0	0·4	−0·4	0	0·11	−0·11	0	0·11	−0·11	0	Jacobabad.
8	18	1	0	0	2	1	0	1	N 2° W	N 2° E	3·8	5·1	−1·3	56	0	54	− 1	·251	−·020	0·7	−1·2	0	0·2	−0·2	0	0·06	−0·06	0	0·06	−0·06	0	Hyderabad.
0	8	18	4	0	0	0	0	1	N 36° E	N 54° E	5·9	6·1	−0·2	86	+ 4	56	− 2	·344	+·003	1·3	−0·6	0	0·4	−0·4	0	0·13	−0·13	0	0·13	−0·13	0	Karachi.
																																IX.—Rajputana.
17	0	2	6	1	2	2	1	0	S 65° E	N 4° W	1·8	2·4	−0·6	22	0	43	−11	·171	−·055	1·6	−0·8	0	0·4	−0·4	0	0·19	−0·19	0	0·19	−0·19	0	Bikaner.
5	1	24	1	0	0	0	0	0	N 45° E		2·9			82		29	−15	·143	−·070	1·1	−1·1	0	0·5	−0·5	0	0·14	−0·14	0	0·14	−0·14	0	Jodhpur.
13	2	4	6	0	0	2	3	1	N 42° E	N 2° W	2·4	2·1	+0·3	20	− 2	48	−10	·220	−·035	1·9	−0·1	1	0·6	+0·4	0·11	0·22	−0·11	0·11	0·22	−0·11	0·11	Jaipur.
30	0	0	0	1	0	0	0	0	S 45° E	N 24° E	0·7	1·2	−0·5	3	− 1	59	−13	·217	−·053	1·6	−0·4	0	0·5	−0·5	0·05	0·28	−0·23	0·05	0·28	−0·23	0·04	Ajmer.
29	1	0	0	1	0	0	0	0	N 67° E		0·3			2		49	− 9	·259	−·030	1·7	+0·4	0	0·6	−0·6	0	0·29	−0·29	0	0·29	−0·29	0	Kotah.
																																X.—Bombay.
0	2	17	10	1	1	0	0	0	N 61° E	N 72° E	6·0	5·8	+0·2	82	+10	42	− 4	·215	−·001	0·9	−0·4	0	0·2	−0·2	0	0·06	−0·06	0	0·06	−0·06	0	Deesa.
24	5	1	0	0	0	0	1	0	N 3° W	N 15° W	2·6	4·2	−1·6	18	+11	44	−13?	·267	−·082?	0·9	−0·5	0	0·1	−0·1	0	0·05	−0·05	0	0·05	−0·05	0	Bhuj.
3	2	12	8	4	1	1	0	0	N 72° E		5·8			63		83	+31?	·540	+·220?	0·8	+0·1	0	0·3	−0·3	0	0·07	−0·07	0	0·07	−0·07	0	Jamnagar.
1	9	15	5	0	0	0	0	1	N 36° E		8·4			82		66	− 1	·465	−·008	1·1	−0·3	1	0·3	+0·7	0·19	0·06	+0·13	0·19	0·06	+0·13	0·19	Dwarka.
7	4	6	8	1	0	3	0	2	N 54° E	N 69° E	4·1	3·4	+0·7	37	−13	46	− 3	·270	−·023	1·5	+0·5	0	0·2	−0·2	0	0·05	−0·05	0	0·05	−0·05	0	Rajkot.
1	13	14	0	2	0	0	0	1	N 75° E	N 27° E	5·4	4·2	+1·2	82	+ 7	51	0	·360	+·007	0·5	−1·1	0	0·3	−0·3	0	0·12	−0·12	0	0·12	−0·12	0	Veraval.
7	6	1	2	0	0	2	3	10	N 35° W	N 77° W	2·2	4·6	−2·4	49	− 9	60	+ 6	·378	+·059?	1·2	−0·4	0	0·2	−0·2	0	0·10	−0·10	0	0·10	−0·10	0	Bhavnagar Para.
9	0	4	14	4	0	0	0	0	E	N 48° E	1·5	3·2	−1·7	63	+ 5	65	+ 4	·421	+·024	1·1	−0·2	0	0·2	−0·2	0	0·05	−0·05	0	0·05	−0·05	0	Surat.
6	0	14	8	2	0	1	0	0	N 67° E	N 62° E	2·7	3·4	−0·7	69	− 5	38	− 9	·273	−·022	1·1	−0·3	0	0·1	−0·1	0	0·04	−0·04	0	0·04	−0·04	0	Ahmedabad.
0	1	11	17	2	0	0	0	0	N 74° E	N 70° E	5·0	7·1	−1·1	89	+ 3	74	+ 2	·588	+·003	1·1	−0·6	0	0·2	−0·2	0	0·07	−0·07	0	0·07	−0·07	0	Bombay.
1	1	8	14	12	0	0	0	0	S 78° E	S 74° E	6·3	5·8	+0·5	82	+17	48	− 7	·424	−·050	0·8	−0·5	0	0·3	−0·3	0	0·09	−0·09	0	0·09	−0·09	0	Ratnagiri.
0	0	11	20	0	0	0	0	0	N 74° E	S 77° E	5·5	5·8	−0·3	96	+16	76	0	·582	−·040	1·4	−0·1	0	0·3	−0·3	0	0·18	−0·18	0	0·18	−0·18	0	Marmagao.
14	3	10	0	0	0	1	0	3	N 26° E	N 67° E	1·1	2·2	−1·1	40	−40	77	+ 1	·533	−·020	0·4	−0·8	0	0·3	−0·3	0	0·18	−0·18	0	0·18	−0·18	0	Karwar.

* Mean of 30 days.

Table

(2) Abstract of observations taken at 8 hrs.

Number of sub-division.	Station.	Height 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
	X.—Bombay—*concld.*																						
26	Malegaon	1,430	28·638	+·013	30·072	28·717	21st	28·581	6th	·136	62·0	84·2	−0·5	52·6	+0·8	68·4	+0·1	31·6	89·3	1st	43·3	4th	46·0
	Ahmadnagar	2,154	27·905	0	30·047	27·979	21st	27·843	6th	·136	62·8	81·1	−2·1	51·1	−1·1	66·1	−1·6	30·0	85·1	1st	44·2	4th	40·8
	Poona	1,846	28·217	+·015	30·070P	28·293	21st	28·169	23rd	·124	60·7	82·9	−1·7	52·8	−1·0	67·9	−1·3	30·1	86·4	11th	44·5	4th	41·9
	Sholapur	1,590	28·456	−·001	30·028	28·539	21st	28·397	6th	·142	66·2	83·7	−1·8	57·2	−0·8	70·5	−1·3	26·5	86·5	31st	51·1	5th	35·4
	Bijapur	*1,948*	28·091	0	30·019	28·169	21st	28·038	7th	·131	65·2	81·7	−2·9	55·2	−2·1	68·4	−2·5	26·5	86·6	31st	48·3	3rd & 7th	38·3
	Belgaum	2,562	27·496	+·016	30·018	27·546	11th	27·446	7th	·100	65·3	79·7	−2·0	56·0	−2·3	67·9	−2·1	23·7	83·6	31st	48·3	5th	35·3
	XI.—Central India.																						
29	Neemuch	1,626	28·451	+·002	30·094	28·556	21st	28·347	15th	·209	59·9	80·0	+1·5	50·7	+1·5	65·4	+1·5	29·3	84·7	12th	43·9	30th	40·8
	Indore	1,823	28·237	+·001	30·076	28·330	21st	28·153	15th	·177	60·4	80·6	+0·9	51·2	+1·6	65·9	+1·3	29·4	85·5	1st	44·1	4th	41·4
21	Nowgong	754	29·333	−·004	30·096	29·433	21st	29·211	6th	·222	51·7	75·9	+0·7	46·0	−0·7	61·0	0	29·9	82·3	16th	41·5	4th	40·8
	Sutna	1,041	29·042	+·010	30·107	29·148	21st	28·920	6th	·228	53·0	74·7	−0·6	46·2	−1·1	60·5	−0·9	28·5	87·3	17th	41·0	21st	46·3
	XII.—Central Provinces.																						
32	Buldana	2,134									66·4	79·4	−0·2	57·2	−0·6	68·3	−0·4	22·2	82·7	13th & 15th.	53·3	5th	29·4
	Akola	945	29·158	+·012	30·074	29·252	21st	29·079	6th	·173	62·3	84·5	+0·6	52·4	+0·5	68·5	+0·5	32·1	87·8	12th	44·4	6th	43·4
	Amraoti	1,215	28·854	+·003	30·059	28·945	21st	28·766	6th	·179	66·1	82·6	−0·3	57·9	+0·7	70·3	+0·2	24·7	85·8	13th	53·7	7th	32·1
23	Khandwa	1,044	29·035	+·012	30·080	29·133	21st	28·949	15th	·184	61·3	84·3	+0·8	51·2	+0·4	67·7	+0·6	33·1	88·4	1st & 12th.	43·0	4th	45·4
	Hoshangabad	1,006	29·088	+·008	30·102	29·204	21st	28·992	5th	·212	57·7	80·1	+0·7	51·7	0	65·9	+0·3	28·4	84·3	16th	44·4	4th	39·9
	Saugor	1,807	28·249	−·013P	30·074P	28·357	21st	28·153	6th	·204	59·6	76·8	+2·0	53·4	+0·9	66·1	+1·5	25·4	83·2	13th & 16th.	49·6	31st	33·6
	Jubbulpore	1,327	28·742	+·003	30·097	28·841	21st	28·639	6th	·202	54·5	77·5	+0·4	47·9	+1·5	62·7	+0·9	29·6	82·7	16th	42·5	5th, 22nd & 23rd.	40·2
	Seoni	2,033	28·046	+·021P	30·096	28·130	21st	27·958	6th	·172	59·9	76·6	−1·3	49·4	−0·7	63·0	−1·0	27·2	81·6	14th	44·0	23rd	37·6
	Nagpur	1,017	29·065	+·012	30·079	29·156	21st	28·980	6th	·176	61·0	81·3	−0·3	52·7	−1·7	67·0	−1·0	28·6	84·8	15th	47·3	22nd	37·5
24	Pendra	2,010	28·024	+·014	30·089	28·116	21st	27·936	6th	·180	58·2	75·2	0	50·9	+1·0	63·1	+0·5	24·3	78·8	16th	45·6	21st	33·2
	Raipur	970	29·104	+·003	30·072	29·186	20th	29·014	30th	·172	59·5	79·3	−0·1	54·3	+0·2	66·8	+0·1	25·0	82·7	16th	49·6	22nd	33·1
	Chanda	*634*	29·450	+·002	30·063	29·541	21st	29·371	6th	·170	60·5	81·8	−0·8	51·3	−0·8	66·5	−0·8	30·5	86·5	31st	45·8	23rd	40·7
	Jagdalpur	1,813	28·246		30·069	28·315	20th	28·148	5th	·167	57·9	78·6		54·3		66·4		24·3	82·2	31st	42·5	22nd	39·7
	XIII.—Hyderabad.																						
27	Aurangabad	1,905	28·165	−·006	30·054	28·238	21st	28·097	6th	·141	66·1	81·0	−2·8	55·0	+0·5	68·0	−1·1	26·0	84·4	7th	47·3	4th	37·1
	Nizamabad	1,248	28·817		30·053	28·892	21st	28·746	6th	·146	63·9	82·0	−1·0	52·8	−0·9	67·4	−0·9	29·2	87·8	31st	47·9	22nd	39·9
	Bidar	*2,165*									68·7	80·4	−0·5	59·1	−1·4	69·7	−0·9	21·3	88·5	6th	55·4	3rd & 4th.	33·1
28	Gulbarga	1,503	28·559	+·010	30·046	28·632	21st	28·504	6th	·128	65·7	84·4	−0·9	55·8	−2·7	70·1	−1·8	28·6	89·4	17th	48·4	3rd	41·0
	Raichur	*1,311*	28·749	+·030	30·034	28·818	21st	28·691	6th	·127	68·6	84·0	−0·7	61·2	−2·3	72·6	−1·5	22·8	89·0	31st	55·2	8th	33·8
	Hyderabad (Deccan)	1,738	28·315	+·003	30·036	28·383	21st	28·250	6th	·133	64·2	80·4	−2·4	56·2	−1·8	68·3	−2·1	24·2	86·0	31st	50·5	17th	35·5
	Hanamkonda	877	29·208	+·030	30·057	29·279	21st	29·125	6th	·154	67·9	81·9	−1·5	59·4	−1·3	70·7	−1·4	22·5	85·8	31st	55·7	6th	30·1
	XIV.—Mysore.																						
29	Chitaldrug	2,405	27·642	+·022	29·997	27·699	11th	27·595	7th	·104	67·3	80·2	−1·7	59·7	−1·3	70·0	−1·5	20·5	85·6	31st	54·7	4th	30·9
	Hassan	3,149	26·921	+·017	29·991	26·989	23rd	26·878	7th	·111	64·3	78·1	−1·6	55·9	0	67·0	−0·8	22·2	82·5	31st	46·9	5th	35·6
	Bangalore	3,021	27·045	+·008	29·991	27·106	11th	27·006	6th	·100	64·4	78·5	0	57·6	−0·9	68·1	−0·5	20·9	82·5	7th	49·8	5th	32·7
	Mysore	2,518	27·5 9	+·005	29·976	27·581	12th	27·487	8th & 21st.	·094	67·1	80·0	−1·9	59·0	−1·2	69·5	−1·5	21·0	84·5	31st	51·5	5th	33·0

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

B—*continued.*

at 212 stations in India, etc., in December, 1915—*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.	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 Dec. 1915.	Normal rainfall for this period.	Departure from normal of this period.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																X.—Bombay—*concld.*
18	0	1	1	0	1	9	1	0	S 41° W	N 69° W	2·6	3·1	−0·5	30	−31	54	+ 1	·205	−·002	2·3	+0·5	0	0·4	−0·4	0·01	0·22	−0·21	0·01	0·22	−0·21	0·01	Malegaon.
10	1	2	1	6	4	3	2	2	S 9° E	N 81° E	3·4	3·9	−0·5	23	+16	57	− 1	·328	−·023	1·4	−0·1	1	0·7	+0·3	2·70	0·45	+2·25	2·70	0·45	+2·25	2·70	Ahmadnagar.
0	0	0	0	0	0	31	0	0	S 45° W	N 88° E	5·9	4·4	+1·5	100	+78	72	+14?	·388	+·058?	0·1	−1·6	0	0·5	−0·5	0	0·1	−0·19	0	0·19	−0·19	0	Poona.
2	1	3	11	12	0	0	0	2	S 79° E	S 74° E	6·6	5·8	+0·8	66	− 2	56	+ 7	·359	+·016	1·6	−0·5	1	0·6	+0·4	0·38	0·46	−0·08	0·38	0·46	−0·08	0·35	Sholapur.
11	0	3	9	7	1	0	0	0	S 77° E	S 67° E	1·8	2·8	−1·0	53	−16	59	− 8	·366	−·032	0·9	−1·2	0	0·6	−0·6	0·04	0·30	−0·26	0·04	0·30	−0·26	0·04	Bijapur.
22	0	3	5	1	0	0	0	0	N 80° E	S 81° E	4·5	8·8	−4·3	27	−49	64	+ 6	·395	+·003	1·4	−0·6	1	0·5	+0·5	0·76	0·34	+0·42	0·76	0·34	+0·42	0·76	Belgaum.
																																XI.—Central India.
18	2	0	11	0	0	0	0	0	N 80° E	N 58° E	2·8	4·2	−1·4	37	−28	51	− 4	·265	+·002	1·5	0	0	0·6	−0·6	0·06	0·21	−0·15	0·06	0·21	−0·15	0·06	Neemuch.
18	0	4	2	4	3	0	0	0	S 68° E	N 68° E	1·6	1·3	+0·3	27	+ 9	57	− 2	·298	−·016	1·6	0	1	0·6	+0·4	0·55	0·25	+0·30	0·55	0·25	+0·30	0·53	Indore.
13	3	2	1	0	4	1	7	0	S 87° W	N 76° W	0·5	0·8	−0·3	17	+ 3	75	+ 1	·289	−·020	2·1	+0·4	0	0·7	−0·7	0·04	0·50	−0·46	0·04	0·50	−0·46	0·04	Nowgong.
12	1	3	2	0	4	5	4	0	S 38° W	N 24° W	1·4	2·5	−1·1	17	−27	72	+ 4	·291	−·001	1·4	−0·3	0	0·8	−0·8	0·02	0·43	−0·41	0·02	0·43	−0·41	0·02	Satna.
																																XII.—Central Provinces.
4	0	1	8	10	4	2	1	1	S 50° E		1·2	4·0	−2·8	55		49		·312		2·5		1	1·1	−0·1	2·60	0·59	+2·01	2·60	0·59	+2·01	2·59	Buldana.
17	1	3	4	4	1	1	0	0	S 80° E	S 85° E	2·3	2·3	0	27	−17	55	− 2	·308	−·013	2·0	0	1	1·1	−0·1	1·26	0·71	+0·55	1·26	0·71	+0·55	1·25	Akola.
4	1	16	8	2	0	0	0	0	N 63° E	N 72° E	3·5	2·9	+0·6	76	+ 4	50	− 2	·318	−·014	1·7	−0·1	1	0·8	+0·2	0·45	0·57	−0·12	0·45	0·57	−0·12	0·45	Amraoti.
31	0	0	0	0	0	0	0	0	Calm.	N 63° E	2·1	2·0	+0·1	a		58	+ 1	·317	+·019?	1·8	+0·3	1	0·4	+0·6	0·63	0·31	+0·32	0·63	0·31	+0·32	0·63	Khandwa.
2	1	18	5	5	0	0	0	0	N 65° E	N 63° E	2·0	1·9	+0·1	76	+11	62	− 5	·295	−·026	1·2	−0·4	1	0·8	+0·2	0·12	0·51	−0·39	0·12	0·51	−0·39	0·12	Hoshangabad.
6	1	4	7	9	2	2	0	0	S 69° E	S 77° E	3·3	2·0	+1·3	53	+21	46	− 8	·230	−·046	1·5	+0·1	0	0·6	−0·6	0	0·53	−0·53	0	0·53	−0·53	0	Saugor.
11	1	0	1	13	5	0	0	0	S 38° E	S 41° E	0·8	1·2	−0·4	53	+17	73	− 2	·310	−·011	1·6	+0·2	1	0·6	+0·4	0·10	0·31	−0·21	0·10	0·31	−0·21	0·10	Jubbulpore.
24	5	1	0	1	0	0	0	0	N 15° E	N 30° E	2·4	1·6	+0·8	17	−25	60	− 4	·312	−·015	2·2	+0·5	1	0·8	+0·2	0·18	0·55	−0·37	0·18	0·55	−0·37	0·18	Seoni.
8	13	2	4	0	0	0	0	4	N 9° E	N 7° E	2·3	2·2	+0·1	56	+27	64	+ 4	·343	−·002	1·8	−0·3	1	0·9	+0·1	0·16	0·56	−0·40	0·16	0·56	−0·40	0·16	Nagpur.
31	0	0	0	0	0	0	0	0	Calm.		0·5			*		62	+ 1	·302	+·008	1·2	+0·1	0	0·7	−0·7	0	0·38	−0·38	0	0·38	−0·38	0	Pendra.
12	4	5	4	2	1	0	1	2	N 45° E	N 14° E	1·5	1·8	−0·3	33	+17	69	+ 4	·354	+·002	0·5	−1·4	0	0·5	−0·5	0	0·26	−0·26	0	0·26	−0·26	0	Raipur.
30	0	0	0	0	0	0	0	1	N 45° W	N 39° E	4·3	1·2	+3·1	3	−29	77	+ 4	·409	+·010	1·4	−0·3	0	0·8	−0·8	0	0·28	−0·28	0	0·28	−0·28	0	Chanda.
1	5	1	2	2	3	1	8	10	N 51° W		1·7†			43		82		·391		6·6		0			0			0			0	Jagdalpur.
																																XIII.—Hyderabad.
2	0	7	15	7	0	0	0	0	E		4·4			80		51	+ 1	·330	−·008	2·0	+0·7	1	0·7	+0·3	1·18	0·31	+0·87	1·18	0·31	+0·87	1·16	Aurangabad.
20	2	1	1	4	2	0	0	1	S 69° E		2·4			13		67	0	·397	−·038	1·3	−0·6	1	0·4	+0·6	0·10	0·11	−0·01	0·10	0·11	−0·01	0·10	Nizamabad.
4	1	7	9	8	2	0	0	0	S 84° E		4·7			65		54	− 8	·376	−·063	8·7	+7·4?	0	0·7	−0·7	0·02	0·30	−0·28	0·02	0·30	−0·28	0·02	Bidar.
1	0	7	21	1	1	0	0	0	N 83° E	N 76° E	3·6	5·3	−1·7	89	+42	54‡	− 7	·345‡	−·064	0·9	−0·3	0	0·3	−0·3	0·04	0·22	−0·18	0·04	0·22	−0·18	0·04	Gulbarga.
0	1	11	7	10	1	1	0	0	E	S 77° E	5·4	5·4	0	68	+ 2	69	+ 5	·435	+·016	1·1	−1·1	0	0·2	−0·2	0	0·15	−0·15	0	0·15	−0·15	0	Raichur.
21	0	8	0	1	0	1	0	0	N 53° E	S 63° E	2·9	2·3	+0·6	27	+13	74	+ 2	·446	+·002	1·3	−0·7	0	0·4	−0·4	0	0·17	−0·17	0	0·17	−0·17	0	Hyderabad (Deccan).
7	5	0	4	7	2	1	0	5	N 79° E		2·2			17		58	− 7?	·400	−·062	1·8	−0·7	0	0·5	−0·5	0·01	0·22	−0·21	0·01	0·22	−0·21	0·01	Hanamkonda.
																																XIV.—Mysore.
4	0	2	14	10	1	0	0	0	S 73° E	S 77° E	5·1	5·7	−0·6	76	−12	70	+ 3	·466	−·012	2·5	−0·5	1	0·7	+0·3	0·29	0·42	−0·13	0·29	0·42	−0·13	0·29	Chitaldrug.
2	0	4	17	8	0	0	0	0	S 83° E	N 82° E	3·5	2·5	+1·0	81	− 4	77	+ 1	·466	−·022	2·8	−1·1	0	0·9	−0·9	0·10	0·85	−0·75	0·10	0·85	−0·75	0·07	Hassan.
2	2	13	14	2	0	0	0	0	N 68° E	N 67° E	5·4	4·0	+1·4	89	+ 3	78	0	·476	−·012	3·5	−0·6	1	1·4	−0·4	0·29	0·49	−0·20	0·29	0·49	−0·20	0·24	Bangalore.
1	1	14	15	1	0	0	0	0	N 68° E	N 68° E	7·1	7·5	−0·4	89	+ 6	74	− 1	·489	−·023	2·7	−1·7	2	1·1	+0·9	0·36	0·43	−0·07	0·36	0·43	−0·07	0·20	Mysore.

a Indeterminate. † Mean of 29 days. ‡ Mean of 30 days.

Table

(2) Abstract of observations taken at 8 hrs.

Number of sub-division.	Station.	Height 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
	XV.—Madras.																						
30	Mangalore	72	29·942	+·007	29·947	30·016	13th	29·892	23rd	·124	76·0	88·4	−0·6	69·3	−0·9	78·8	−0·7	19·1	93·3	30th	63·3	5th	30·0
	Calicut	27	29·972	+·007	29·928	30·048	12th	29·913	23rd	·135	75·3	86·2	−1·0	70·6*	+0·1*	78·5*	−0·5	15·4	88·4	30th	64·7	15th	23·7
	Cochin	9	29·981	+·002	29·918	30·056	13th	29·934	28th & 29th.	·122	77·2	89·3	+0·6	72·4	−0·4	80·8	+0·1	16·9	93·0	21st	67·0	15th	26·0
	Trivandrum	198	29·786	+·011	29·816	29·855	12th	29·737	23rd	·118	76·4	85·8	+2·7	72·1	−1·0	78·9	+0·9	13·7	88·0	21st & 22nd.	68·0	14th & 15th.	20·0
31	Pamban	37	29·974	+·006	29·938	30·046	12th	29·925	27th	·121	76·9	85·4	+3·2	74·1	−0·4	79·8	+1·4	11·3	87·8	12th	71·9	28th	15·9
	Madura	447	29·570	+·001	29·936	29·646	12th	29·518	3rd	·128	75·5	85·0	−1·1	72·0	+1·8?	78·5	+0·3?	13·0	88·0	1st	68·4	7th	19·6
	Pudukkottai	318	29·712	+·012	29·968	29·769	12th	29·657	3rd	·112	73·5	83·2	−2·6?	68·3	−0·6	75·8	−1·6?	14·9	86·1	1st & 17th	62·4	5th	23·7
	Negapatam	31	29·995	+·015	29·954	30·062	11th	29·919	27th	·113	76·0	82·1	0	70·9	−1·2	76·6	−0·6	11·2	85·6	2nd	65·7	8th	19·9
	Trichinopoly	255	29·781	+·010	29·974	29·855	12th	29·729	3rd	·126	74·6	84·5	−0·9	68·4	−0·9	76·4	−0·9	16·1	88·3	22nd	62·0	5th	25·3
	Coimbatore	1,341	28·702	+·029?	30·001?	28·773	11th	28·654	27th	·119	70·8	83·0	−2·0	64·6	−1·2	73·8	−1·6	18·4	86·3	31st	55·5	14th	30·8
	Salem (d)	913	28·122	+·018	29·987	29·199	12th	29·076	8th	·123	72·5	84·7	−1·7	64·6	−0·8	74·7	−1·3	20·1	88·4	31st	56·6	6th	31·8
	Cuddalore	37	30·006	+·013	29·974	30·077	11th	29·954	3rd	·123	74·2	82·7	−0·5	70·0	+0·3	76·3	−0·1	12·7	84·9	7th	62·2	5th	22·7
	Vellore	707	28·352	+·026	30·017	29·417	11th & 13th.	29·302	6th	·115	69·7	82·5	+0·8	62·9	−1·6	72·7	−0·4	19·6	86·2	1st	54·6	5th	31·5
	Madras	22	30·032	+·010	29·985	30·097	11th	29·974	6th	·123	75·3	84·4	+1·1	70·0	+0·3	77·2	+0·7	14·4	86·5	17th	63·6	5th	22·9
32	Cuddapah	628	29·633	+·009	30·011	29·710	21st	29·582	6th	·128	70·9	84·6	−2·1	65·2	−0·1	74·9	−1·1	19·4	88·4	31st	59·0	5th	29·4
	Bellary	1,475	28·566	+·005	30·012	28·630	21st	28·508	6th	·122	68·5	83·5	−2·4	60·1	−1·2	71·8	−1·8	23·4	89·1	31st	54·2	4th	34·9
	Kurnool	923	29·145	+·025	30·042	29·226	21st	28·000	6th	·136	64·9	83·7	−3·0	58·0	−1·6	70·9	−2·3	25·7	87·7	31st	51·0	4th	36·7
33	Nellore	66	29·994	+·004	29·996	30·068	21st	29·932	6th	·136	71·5	82·8	−1·4	67·4	−0·7	75·1	−1·1	15·4	85·6	31st	63·8	4th	21·8
	Masulipatam	15	30·074	+·011	30·023	30·159	21st	29·978	5th	·181	69·9	81·9	−1·2	64·7	−1·8	73·3	−1·5	17·2	83·7	7th	60·9	15th	22·8
	Cocanada	26	30·075	+·027	30·038	30·160	21st	29·978	5th	·182	69·1	80·0	−0·6	64·2	−1·9	72·1	−1·3	15·8	81·1	2nd	60·7	12th & 13th.	20·4
	Waltair (Vizagapatam).	*226*	29·861	+·013	30·035	29·957	21st	29·748	5th	·209	71·7	81·1	+0·4	66·1	−2·1	73·6	−0·9	15·0	83·0	30th	61·6	12th	21·4
	Calingapatam	19	30·082		30·039	30·178	21st	29·951	5th	·227	66·6	80·4		61·9		71·1		18·5	85·0	31st	56·3	12th	28·7
	Gopalpur	33	30·062	+·005	30·037	30·170	21st	29·944	5th	·226	65·4	79·7	−0·2	60·7	0	70·2	−0·1	19·0	82·3	7th	57·9	12th	24·4
	Bay Islands.																						
1	P. V. Fraser	8	30·069		30·023	30·166	21st	29·940	5th	·226	72·7												
	Port Blair	58	29·914	−·010	29·902	29·998	21st	29·756	4th	·242	78·5	83·9	−1·9	74·7	−1·8	79·3	−1·9	9·2	86·6	16th	68·7	30th	17·9
	Table Island	90	29·899	−·006	29·924	30·008	21st	29·645	4th	·363	77·9	82·5	−1·2	75·2	−1·2	78·8	−1·2	7·3	84·9	2nd	71·7	4th	13·2
	Kashmir.																						
18	Muzaffarabad		27·711			27·848	17th	27·579	29th	·269	40·6	63·7		36·7		50·2		27·0	75·0	2nd	33·1	10th & 14th.	41·9
	Srinagar	5,204	25·058	+·021	25·029	25·238	21st	24·865	5th	·373	25·9	44·3	−4·0	22·7	−5·2	33·5	−4·6	21·6	59·6	1st	13·5	14th	46·1
	Gulmarg	*8,569*																					
	Dras	*10,059*	20·565	+·027	20·833	21·032	2nd	20·663	15th	·369	8·2	29·4	+1·7	4·3	+4·1	16·9	+2·9	25·1	41·3	5th	−16·3	31st	57·6
	Leh	*11,503*	19·747	+·025	19·715	19·942	2nd	19·553	29th	·389	16·8	36·8	+0·8	12·8	−0·3	24·8	+0·3	24·0	44·7	4th	4·0	31st	40·7
	Skardu	*7,505*	23·022	+·014	22·992	23·227	17th	22·790	5th	·437	22·8	43·8	+2·3	20·7	−1·9	32·2	+0·2	23·1	53·5	6th	14·8	9th	38·7
	Gilgit	*4,890*	25·331	+·058	25·354	25·623	17th	25·124	5th	·499	35·6	52·7	+3·3	31·7	−2·2	42·2	+0·5	21·0	62·7	1st	26·7	12th & 21st.	36·0

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

* Mean of 29 days.

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

(d) Mean of 30 days.

B—*continued.*

at 212 stations in India, etc., in December, 1915—*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.	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, 1915.	Normal rainfall for this period.	Departure from normal of this period.	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
																																XV.—Madras.
0	0	4	24	3	0	0	0	0	N 89° E	S 86° E	4·7	2·1	+2·6	96	+10	63	−4	·567	−·062	1·5	−1·0	0	0·7	−0·7	0·02	0·48	−0·46	0·02	0·48	−0·46	0·02	Mangalore.
2	0	5	19	5	0	0	0	0	E	N 85° E	3·1	5·1	−2·0	84	+1	79	+1	·694	+·003	1·4	−0·9	1	1·8	−0·8	0·27	1·10	−0·83	0·27	1·10	−0·83	0·25	Calicut.
1	0	15	14	1	0	0	0	0	N 69° E	N 36° E	3·8	3·1	+0·7	89	+10	70	−4	·654	−·035	1·6	−1·2	1	2·4	−1·4	0·64	1·61	−0·97	0·64	1·61	−0·97	0·60	Cochin.
10	2	11	7	1	0	0	0	0	N 60° E	N 49° E	2·9	2·7	+0·2	56	+20	76	−3	·690	−·026	4·0	−0·2	5	3·5	+1·5	2·21	2·20	+0·01	2·21	2·20	+0·01	0·88	Trivandrum.
0	16	10	0	0	0	0	0	5	N 7° E	N 13° E	12·1	9·6	+2·5	89	+6	88	0	·811	−·008	5·0	+0·6	13	9·1	+3·9	7·92	7·55	+0·37	7·92	7·55	+0·37	2·55	Pamban.
0	9	11	5	0	0	0	2	4	N 22° E	N 5° E	4·4	3·4	+1·0	69	−14	75	0	·658	−·012	5·7	+1·5	5	3·3	+1·7	1·46	1·78	−0·32	1·46	1·78	−0·32	0·41	Madura.
2	9	17	0	0	0	0	0	3	N 23° E		5·7			81		75	−2	·616	−·038	4·9	−0·4	6	2·0	+4·0	4·38	1·05	+3·33	4·38	1·05	+3·33	1·68	Pudukkottai.
0	3	13	0	0	0	1	1	13	N 5° W	N 6° W	11·1	6·6	+4·5	69	−17	84	+2	·755	+·003?	6·1	−0·2	10	9·4	+0·6	10·93	11·28	−0·35	10·93	11·28	−0·35	2·90	Negapatam.
0	12	5	0	0	0	0	5	9	N 20° W	N 16° E	3·9	3·3	+0·6	79	+29	75	−2	·635	−·033	4·6	−0·1	5	4·5	+0·5	2·87	2·68	+0·19	2·87	2·68	+0·19	1·30	Trichinopoly.
9	3	13	4	0	1	1	0	0	N 50° E	N 77° E	1·8	2·2	−0·4	53	−30	74	−9?	·566	−·079?	3·3	−1·5	3	2·6	+0·4	0·67	1·15	−0·48	0·67	1·15	−0·48	0·23	Coimbatore.
15	0	2	11	0	0	0	2	0	N 82° E	N 40° E	2·7*	2·8	−0·1	33	+4	77	0	·606	−·028	2·5	−1·4	1	2·4	−1·4	0·42	1·10	−0·68	0·42	1·10	−0·68	0·42	Salem.
2	9	3	0	0	0	0	0	17	N 23° W	N 10° W	3·9	2·0	+1·9	82	+3	80	−7	·677	−·066?	4·5	−0·1	5	6·0	−1·0	2·74	7·21	−4·47	2·74	7·21	−4·47	1·05	Cuddalore.
25	1	3	0	0	0	0	1	1	N 1° E		2·3			12		85	−1	·618	−·014	2·8	−1·2	2	3·7	−1·7	0·87	3·52	−2·65	0·87	3·52	−2·65	0·45	Vellore.
0	7	4	0	0	0	0	8	12	N 37° W	N 8° E	5·3	5·3	0	72	−11	78	−5	·682	−·044	3·8	−1·1	2	5·3	−3·3	0·43	6·24	−5·81	0·43	6·24	−5·81	0·18	Madras.
0	3	1	5	9	1	0	3	9	N 45° E	S 75° E				13	−30	77	0	·589	−·027	2·2	−1·2	1	1·6	−0·6	0·12	1·04	−0·92	0·12	1·04	−0·92	0·12	Cuddapah.
6	2	3	10	7	3	0	0	0	S 78° E	S 59° E	2·7	2·4	+0·3	56	+13	68	+2	·477	+·008	2·0	−1·3	0	0·3	−0·3	0·01	0·12	−0·11	0·01	0·12	−0·11	0·01	Bellary.
17	0	2	9	1	0	1	1	0	E	S 80° E	2·2			30	+29	72	0	·449	−·052	1·5	−0·4	0	0·5	−0·5	0	0·30	−0·30	0	0·30	−0·30	0	Kurnool.
3	13	0	2	0	0	1	0	12	N 19° W	N 51° W	2·8	3·1	−0·3	72	0	87	+2	·671	−·031	3·3	−2·5?	2	3·0	−1·0	0·42	3·07	−2·65	0·42	3·07	−2·65	0·25	Nellore.
7	12	11	0	0	0	0	0	0	N 20° E	N 15° E	3·2	3·8	−0·6	72	−14	79	−2	·579	−·060	1·5	−1·2	0	1·2	−1·2	0	1·04	−1·04	0	1·04	−1·04	0	Masulipatam.
1	21	5	9	1	0	0	0	3	N 4° E	N 5° E	6·5	6·6	−0·1	86	−4	77	+4	·552	−·011	2·5	−0·3	0	1·0	−1·0	0	1·0	−1·08	0	1·08	−1·08	0	Cocanada.
1	12	5	3	1	0	1	2	5	N 3° E	N 31° W	4·0			62	+13	63	+1	·491	−·016	2·9	−0·2	0	1·1	−1·1	0	1·05	−1·05	0	1·05	−1·05	0	Waltair (Vizagapatam).
0	9	0	0	0	0	0	6	16	N 40° W		4·7			84		80		·517		1·7		0	1·4	−1·4	0	2·78	−2·78	0	2·78	−2·78	0	Calingapatam.
0	16	0	0	0	0	0	0	15	N 22° W	N 23° W	5·6	6·0	−0·4	99	+24	75	−2	·470	−·027	1·0	−0·2	0	1·1	−1·1	0	0·97	−0·97	0	0·97	−0·97	0	Gopalpur.
																																Bay Islands.
2	23	7	0	0	0	0	0	0	N 10° E					90		71		·575		1·2		0			0			0			0	P. V. Fraser.
3	8	8	5	2	0	1	0	4	N 31° N	N 55° E	5·6	5·3	+0·3	56	−2	74	−7	·723	−·096	5·7	−1·5	5	7·3	−2·3	12·52	6·81	+5·71	12·52	6·81	+5·71	5·60	Port Blair.
1	5	12	9	1	1	0	0	2	N 52° E		10·3			69		67	−9	·643	−·120?	5·7	−0·5	3	1·6	+1·4	9·13	1·72	+7·41	9·13	1·72	+7·41	7·75	Table Island.
																																Kashmir.
25	1	2	0	0	0	2	1	0	N 45° W		1·1			3		67		·169		2·4		1			0·58			0·58			0·58	Muzaffarabad.
12	2	0	1	7	2	2	1	4	S 11° E	S 42° E	1·5	1·9	−0·4	10	−9	?	?	?	?	5·8	+0·3	1	3·5	−2·5	0·22	1·41	−1·19	0·22	1·41	−1·19	0·19	Srinagar.
											Closed for the winter months.																					Gulmarg.
23	1	0	0	0	1	2	2	2	W		1·7			15		?	?	?	?	4·7	−0·4	3	6·1	−2·1	0·89	1·71	−0·82	0·89	1·71	−0·82	0·37	Dras.
22	4	5	0	0	0	0	0	0	N 26° E	S 22° W	2·2	0·9	+1·3	27	+10	?	?	?	?	4·2	−1·5	0	0·6	−0·6	0·08	0·17	−0·09	0·08	0·17	−0·09	0·05	Leh.
28	0	0	0	0	0	1	2	0	S 75° W		0·5			10		?	?	?	?	3·7	−2·2	0	1·0	−1·0	0·01	0·32	−0·31	0·01	0·32	−0·31	0·01	Skardu.
30	0	0	0	0	0	1	0	0	S 45° W		0·1			3		57†	−2	·127†	−·004	3·6	−2·4	0	0·3	−0·3	0	0·11	−0·11	0	0·11	−0·11	0	Gilgit.

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

* Mean of 29 days.
† " " 23 "

Table

(2) Abstract of observations taken at 8 hrs.

Number of sub-division	Station.	Height 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
	Baluchistan.																						
15	Fort Sandeman	4,614	25·551		25·520	25·709	17th	25·382	15th	·327	32·1	62·7		28·6		45·6		34·1	77·1	4th	15·3	19th	61·8
	Quetta	5,502	24·742	−·009	24·702	24·868	17th	24·631	30th	·237	25·6	58·1	+1·5	22·6	−6·8	40·3	−2·7	35·5	69·9	4th & 5th	16·7	20th	58·2
	Chaman	4,311	25·828	−·011	25·790	25·950	17th	25·675	28th	·275	36·7	58·8	+3·3	32·8	−4·1	45·8	−0·4	26·0	72·0	4th	23·3	22nd	48·7
	Kalat	6,630	23·824		23·786	23·933	17th	23·726	30th	·207	25·5	56·7	0	21·8	−2·3	39·2	−1·1	34·9	72·7	4th	13·2	24th	59·5
	Dalbandin	2,772	27·306		27·263	27·448	17th	27·141	1th	·307	36·1	65·7		31·2		48·4		34·5	80·2	4th	17·8	24th	62·4
	Pasni		30·114		30·074	30·268	17th	30·040	7th & 10th	·228	58·4	78·1		49·8		63·9		28·3	86·8	3rd	40·5	25th	46·3
	Panjgur		26·904		26·862	27·040	17th	26·815	30th	·225	40·5	66·1		38·4		52·3		27·7	79·6	1st	29·8	24th	49·8
	Robat		27·051		27·009	27 212	17th	26·876	4th	·336	42·7	68·0		50·2†		53·4†		17·8	77·8	2nd	42·3	1st	28·5
	Hill stations, excluding Kashmir and Baluchistan.																						
	Para Chinar	6,000	24·529	−·002	24·505	24·605	21st	24·436	15th	·169	38·8	57·6	+3·1	30·6	−2·2	44·1	+0·5	27·0	65·2	3rd	24·9	21st	41·3
	Cherat	*4,256*	25·849	+·031	25·815	25·944	17th	25·749	29th	·195	47·5	56·1	+1·2	41·6	−1·0	48·9	+0·1	14·5	66·7	2nd	34·5	17th	32·2
	Drosh		25·266*			25·425	17th & 21st.	25·100	15th	·325	38·2	52·5	+0·4	36·1	+0·4	44·8	+0·4	17·4	63·5	3rd	31·4	20th & 21st.	32·1
	Murree	6,333	23·937	+·025	23·905	24 037	27th	23·813	6th	·224	43·1	52·2	+0·1	40·4	+1·8	46·3	+0·9	11·8	60·9	2nd	29·9	16th	31·0
	Simla	7,232	23·176	+·022	23·138	23·270	21st	23·062	29th	·208	43·3	50·7	+0·8	39·8	+0·5	45·3	+0·7	10·9	58·8	23rd	33·1	16th	25·7
	Sarain		23·209	+·004	23·171	23·318	21st	23·094	29th	·224	31·9	50·0	−0·6	28·9	−1·2	39·5	−0·9	21·1	58·4	5th	24·1	31st	34·3
	Kalabagh																						
	Chakrata	7,072	23·473	+·077	23·434	23·566	21st	23·362	29th	·204													
	Mukteswar	7,592	22·903	+·011	22·862	23·002	21st	22·788	30th	·214	44·6	54·5	+0·1	40·0	+1·8	47·2	+0·9	14·5	61·9	23rd	32·2	30th	29·7
	Darjiling	7,432	23·009	+·004	22·964	23·075	1st	22·916	30th	·159	40·9	51·7	+2·5	37·9	+1·2	44·8	+1·9	13·8	60·0	5th	34·4	8th	25·6
	Shillong	4,920	25·223	+·003	25·175	25·294	21st	25·141	6th	·153	49·3	62·2	0	41·2	+2·0	51·7	+1·0	21·0	68·0	4th	37·3	7th	30·7
	Cherrapunji	4,309	25·776	+·006	25·729	25·851	21st	25·700	6th	·151	55·5	63·0	+0·8	48·0	+0·6	55·5	+0·7	15·0	72·0	4th	43·3	30th	28·7
	Maymyo	3,546	26·544	+·029	26·489	26·628	21st	26·449	6th	·179	51·5	68·6	−1·0	45·2	+2·6	56·9	+0·8	23·4	72·1	3rd	39·6	28th	32·5
	Pachmarhi	3,528	26·566	−·019	26·513	26·641	21st	26·490	6th	·151	50·9	71·1	+0·5	45·4	−0·4	58·2	+0·1	25·7	74·0	14th	29·1	5th	34·9
	Mount Abu	3,945	26·174	+·010	26·124	26·268	17th	26·076	15th	·192	61·6	69·0	+0·7	53·3	+0·3	61·1	+0·5	15·7	73·2	1st	48·2	30th	25·0
	Mercara	3,781	26·281	−·003	26·214	26·334	13th	26·234	22rd	·100	61·2	74·5	−1·0	55·5	−2·2	65·0	−1·6	19·0	79·0	31st	50·0	14th	29·0
	Ootacamund	*7,327*	23·080	+·010	23·026	23·130	11th	23·044	6th	·086	54·5	65·5	+1·2	41·7	−2·6	53·6	−0·7	23·8	70·3	23rd	33·3	5th	37·0
	Kodaikanal	7,688	22·862	+·003	22·798	22·898	31st	22·822	6th	·076	53·8	62·6	+0·2	46·2	−1·4	54·4	−0·6	16·4	72·4	7th	39·6	15th	32·8
	Extra India.																						
	Singapore(a)	10	29·862	−·068	29·793	29·901	25th	29·804	20th	·097	80·4	86·5	+0·6	73·6	+1·0	80·1	+0·8	12·9	92·0	1st	72·0	5 days	20·0
	Penang (a)	17	29·868	−·062	29·810	29·915	17th	29·799	6th & 10th	·116	80·7	87·2	−0·7	72·5	−1·2	79·9	−0·9	14·7	89·5	5th	69·0	11th	20·5
	Trincomalee	99	29·875	−·004	29·903	29·941	12th	29·814	3rd	·127	76·6	84·4	+1·4	74·3	+0·1	79·4	+0·7	10·1	90·7	9th	68·4	6th	22·3
	Colombo	24	29·951	0	29·901	30·024	12th	29·879	23rd	·145	73·1	85·8	−1·1	71·5	−1·4	78·7	−1·3	14·3	91·7	20th	66·4	7th	25·3
	Hambantota	64	29·906		29·897	29·989	12th	29·831	3rd	·158	74·2	85·2		73·3		79·3		11·9	89·2	1st	69·6	12th	19·6
	Minicoy	7	30·027	+·053		30·081	13th	29·993	20th	·088													
	Amini Divi	*13*	29·987	+·002	29 928	30·061	13th	29·933	29th	·128	80·9	87·6	+1·8	71·9	−1·7	79·7	+0·1	15·7	89·6	4th & 21st	65·9	13th	23·7
	Gyantse ‡	13,120	18·457		18·419	18·580	2nd & 3rd.	18·362	30th	·218	21·4	43·1		1·6		22·4		41·5	54·8	21st	0·2	11 days	54·6
	Pharijong	14,400																					
	Gangtok	5,567	24·536	−·028	24·491	24·610	20th	24·464	9th	·146	48·9	62·4	+2·1	42·7	+8·6	52·5	+5·3	19·7	68·6	5th	38·2	31st	30·4
	Gartok	15,100																					

N.B. Elevations in italics indicate barometrical determinations.
(a) Nine hours observations.

* Aneroid.
† Mean of 4 days.
‡ " " 30 "

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

B—*continued.*

at 212 stations in India, etc., in December, 1915—*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.	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, 1915.	Normal rainfall for this period.	Departure from normal of this period.	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
																																Baluchistan.
31	0	0	0	0	0	0	0	0	Calm		0·2			(a)		?		?		1·3		0			0			0			0	Fort Sandeman.
19	2	0	3	3	2	0	1	1	S 67° E	S 7° E	1·5	1·7	−0·2	10	+ 1	?	?	?	?	2·9	−0·2	0	2·2	−2·2	0	0·94	−0·94	0	0·94	− 0·94	0	Quetta.
0	0	0	20	8	1	0	1	1	S 75° E	S 52° E	3·5	4·9	−1·4	82	+10	59*	−26	·095*	−·068	2·3	−1·5	0	2·8	−2·8	0	1·12	−1·12	0	1·12	− 1·12	0	Chaman.
30	0	0	0	1	0	0	0	0	S 45° E	S 24° W	3·4			3	−4	?	?	?	?	2·5		1	2·6	−1·6	0·42	1·18	−0·76	0·42	1·18	− 0·76	0·42	Kalat.
9	5	13	1	1	1	0	0	1	N 38° E		3·0			53		39†		·101†		3·0		0			0			0			0	Dalbandin.
3	15	0	1	0	0	0	3	9	N 21° W		5·2			72		68‡		·323‡		1·2		2			1·10			1·10			0·92	Pasni.
1	2	16	11	0	0	0	0	1	N 57° E		4·6			82		61§		·151§		2·1		3			1·76			1·76			0·93	Panjgur.
0	0	0	0	0	2	21	7	1	S 51° W		3·9			89		35¶		·10·¶		0·6		0			0			0			0	Robat.
																																Hill stations, excluding Kashmir and Baluchistan.
31	0	0	0	0	0	0	0	0	Calm		0·3			(a)		56‡	− 5	·129‡	−·022	1·8	−1·6	0	3·3	−3·3	0·07	1·25	− 1·18	0·07	1·25	− 1·18	0·07	Para Chinar.
5	22	0	0	0	1	0	1	2	N 6° W	N 13° W	6·9	9·6	−2·7	72	− 3	22	−24	·067	−·076	2·4	−1·1	1	1·7	−0·7	0·13	1·49	− 1·36	0·13	1·49	− 1·36	0·10	Cherat.
26	0	2	2	1	0	0	0	0	N 80° E		1·2			13		46	−17	·106	−·040	2·4	−1·6	0	2·9	−2·9	0·03	1·02	− 0·99	0·03	1·02	− 0·99	0·03	Drosh.
10	2	4	3	2	3	7	0	0	S 28° E	S 84° E	5·0	5·2	−0·2	20	− 9	25††	−13	·095††	−·032	1·3	−2·5	2	2·6	−0·6	0·55	1·45	− 0·90	0·55	1·45	− 0·90	0·45	Murree.
																36	− 5	·094	−·012	3·1	−0·5	2	2·1	−0·1	1·06	1·24	− 0·18	1·06	1·24	− 0·18	0·85	Simla.
																74††	− 4	·132††	−·009	2·9	−0·4	3	2·3	+0·7	0·81	2·10	− 1·29	0·81	2·10	− 1·29	0·36	Sarain.
																																Kalabagh.
5	2	0	4	2	0	1	15	2	N 84° W		5·3			40		33	−10	·090	−·025	1·6	−1·1	2	2·3	−0·3	0·66	1·39	− 0·73	0·66	1·39	− 0·73	0·53	Chakrata.
31	0	0	0	0	0	0	0	0	Calm	S 89° E	0	2·1	−2·1	(a)		75	− 1	·189	−·006	2·2	−0·6	1	1·8	−0·8	0·61	0·83	− 0·22	0·61	0·83	− 0·22	0·61	Mukteswar.
24	0	0	1	4	0	2	0	0	S 30° E		0·1			17		81	+11	·263	+·043	2·2	−0·9	0	0·7	−0·7	0·05	0·22	− 0·17	0·05	0·22	− 0·17	0·05	Darjiling.
9	2	9	9	0	0	1	1	0	N 60° E		1·1			53		71	+ 7	·305	+·038	2·1	+0·5	0	0·6	−0·6	0	0·19	− 0·19	0	0·19	− 0·19	0	Shillong.
21	0	0	0	0	0	0	0	0	Calm		0·9			(a)		96	+ 6	·368	−·064	1·7	+0·1	0	0·8	−0·8	0	0·24	− 0·24	0	0·24	− 0·24	0	Cherrapunji.
21	0	3	1	1	1	4	0	0	S 23° E	S 52° E	1·5	2·0	−0·5	7	− 3	78	+16	·292	−·013	2·5	−0·1	3	0·7	+2·3	2·34	0·46	+ 1·88	2·34	0·46	+ 1·88	1·07	Maymyo.
20	1	3	0	2	1	3	1	0	S 18° E	N 8° E	2·4	3·0	−0·6	5	− 9	43	+ 1	·234	+·018	1·1	−0·7	1	0·8	+0·2	0·50	0·56	− 0·06	0·50	0·56	− 0·06	0·50	Pachmarhi.
1	0	11	19	0	0	0	0	0	N 74° E	N 72° E	3·4	4·7	−1·3	92	+ 9	84	+ 1	·452	−·010	1·1	−0·4	0	0·4	−0·4	0	0·16	− 0·16	0	0·16	− 0·16	0	Mount Abu.
18	0	0	2	7	4	0	0	0	S 38° E		2·3			37		63	+ 4	·266	−·003	4·2	−0·8	2	1·2	+0·3	0·32	0·85	− 0·53	0·32	0·85	− 0·53	0·17	Mercara.
1	2	5	9	9	1	1	1	2	S 86° E		8·1			53		67	+ 5	·270	+·015	2·7	−0·9	3	4·1	−1·1	1·58	2·28	− 0·70	1·58	2·28	− 0·70	0·93	Ootacamund.
14	5	9	0	0	0	0	0	3	N 17° E					46						1·3	+0·4	8	5·9	+2·1	5·32	4·09	+ 1·23	5·32	4·09	+ 1·23	1·24	Kodaikanal.
																																Extra India.
0	1	2	4	3	1	5	9	6	W					30						6·8	+1·7	14	14·2	−0·2	13·28	10·69	+ 2·59	13·28	10·69	+ 2·59	3·68	Singapore.
																				7·4	+5·7	5	10·6	−5·6	3·25	7·15	− 3·90	3·25	7·15	− 3·90	1·07	Penang.
1	3	15	3	0	1	1	4	3	N 25° E	N 23° E	7·2	5·3	+1·9	53	+14	84	− 3	·771	−·052	6·1	+1·4	9	14·0	−5·0	9·00	14·25	− 5·25	9·00	14·25	− 5·25	2·64	Trincomalee.
6	11	13	0	0	0	0	0	1	N 22° E	N 33° E	4·6	6·1	−1·5	72	− 6	86	+ 5	·702	−·083	7·2	+2·8	4	7·1	−3·1	1·52	5·42	− 3·90	1·52	5·42	− 3·9	0·77	Colombo.
0	15	16	0	0	0	0	0	0	N 23° E		8·3	5·4	+2·9	96		89		·741		4·3		7			8·57	5·42	+ 3·15	8·57	5·42	+ 3·15	2·10	Hambantota.
0	6	14	9	1	1	0	0	0	N 55° E	N 42° E	2·3	4·5	−2·2	78	+18					4·3	+1·0	4	3·5	+0·5	3·08	3·06	− 0·02	3·08	3·06	+ 0·02	1·27	Minicoy.
2	13	13	0	1	0	0	0	2	N 21° E		3·0			81		72	+ 1	·758	−·023	2·7	−0·9	1	1·7	−0·7	0·45	0·84	− 0·39	0·45	0·84	− 0·39	0·15	Amini Divi.
0	1	0	0	19	0	0	0	0	S 47° E		4·9¶			60		?		?														Gvantse.
																																Phari Jong.
0	0	1	0	0	0	0	0	0	N 45° E		0·9			3		82	+ 7	·281	+·030	0·5	−1·5	0	1·9	−1·9	0·13	0·89	− 0·76	0·13	0·89	− 0·76	0·07	Cangtok.
																																Gartok.

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

(a) Indeterminate.

* Mean of 17 days.
† " " 15 "
‡ " " 27 "

§ Mean of 28 days.
¶ " " 29 "
†† " " 30 "

Table

(2) Abstract of observations taken at 8 hrs.

Number of sub-division.	Station.	Height 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 during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	Extra India—*concld.*																						
	Kashgar	4,255	25·720*	−·070		25·990	23rd	25·330	5th	·660	19·5	43·4	+5·6	16·9	0	30·1	+2·8	26·5	55·3	6th	11·3	26th	44·0
	Kabul		24·267*	−·093		24·440	17th	24·150	15th	·290	26·9	59·7	+5·6	24·3	−1·6	42·0	+2·0	35·4	70·8	1st	19·8	21st & 22nd	51·0
	Meshed	3,104	26·034		29·297	26·283	17th	25·788	30th	·495	30·9	57·8	+7·8	26·4	−4·1	42·1	+1·9	31·4	75·4	2nd	17·0	22nd	58·4
	Jask	13	30·132	+·021	23·097	30·263	17th	30·039	7th	·224	67·0	80·6	+3·0	64·9†	+0·9†	72·7†	+1·9	15·7	85·9	5th	60·1	27th	25·8
	Muscat	20	30·157	+·043	30·125	30·268	22nd	30·041	7th	·227	80·3	80·7	+3·8	68·3	−2·0	74·5	+0·9	12·4	86·0	5th	63·3	27th	22·7
	Bahrein	18																					
	Bushire	14	30·168	+·027	30·144	30·271	22nd	30·078	1st	·193	56·2	63·3	−0.2	52·9	−2·3	60·6	−1·3	15·4	84·7	1st	47·5	25th	37·2
	Basrah	25	30·236‡	+·042‡	‡30·232	30·347	21st	30·061	24th	·286	49·5	67·8	+4·5	40·3	−9·3	54·1	−2·4	27·5	77·3	24th	32·6	4th	44·7
	Kerman																						
	Ispahan	*5,817*																					
	Tehran	*4,002*																					
	Baghdad	127																					
	Beirut (*a*)																						
	Aden	94	30·002	+·010	30·030	30·082	22nd	29·923	7th	·159	73·9	79·7	−1·8	71·9	−1·3	75·8	−1·5	7·8	81·8	3rd & 13th	68·1	27th	13·7
	Zanzibar	72	29·937	+·009	29·935	30·010	11th	29·896	1st	·114	82·7	86·9	+1·2	79·8	+0·7	83·4	+0·9	7·1	88·4	11th	76·7	20th	11·7

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*) 8½hrs. observations.

* Aneroid.

† Mean of 9 days.

‡ Mean of 30 days.

B—*concluded.*

at 212 stations in India, etc., in December, 1915—*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.	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, 1915.	Normal rainfall for this period.	Departure from normal of this period.	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—*concld.*
29	1	0	0	0	0	1	0	0	N 75° W	N 8° W	0·5	0·7	−0·2	4	− 3	72		·077		3·2	−1·0	0	0·2	−0·2	0	0·09	−0·09	0	0·09	−0·09	0	Kashgar.
0	0	1	1	5	2	10	10	2	S 50° W	S 56° W				55	+45	?	?	?	?	2·3	−0·8	0	1·5	−1·5	0	0·51	−0·51	0	0·51	−0·51	0	Kabul.
29	1	0	0	0	1	0	0	0	(a)		0·8d			(a)		69*		·160*		3·8	−0·7	1	2·1	−1·1	0·35	0·78	−0·43	0·35	0·78	−0·43	0·35	Meshed.
0	10	16	1	0	0	0	0	4	N 22° E	N 23° E	6·9	7·5	−0·6	86	+13	67	− 5	·443	−·010	0·9	−1·9	0	2·1	−2·1	0	1·27	−1·27	0	1·27	−1·27	0	Jask.
17	0	0	0	0	0	2	6	6	N 78° W	S 74° W	1·1	2·9	−1·8	40	+ 3	63	− 5	·470	−·067	2·3	−0·2	2	1·3	+0·7	0·27	0·62	−0·35	0·27	0·62	−0·35	0·13	Muscat.
																							1·7			0·81			0·81			Bahrein.
11	1	9	0	1	0	0	0	9	N 3° E	N 63° E	5·9	4·7	+1·2	43	−15	72	−11	·330	−·068	3·5	−1·0	1	4·1	−3·1	0·20	3·25	−3·05	0·20	3·25	−3·05	0·20	Bushire.
4	1	0	1	0	0	8	14	2	S 81° W‡		4·9†			67		69		·245				1	2·5	−1·5	0·21	0·82	−0·61	0·21	0·82	−0·61	0·17	Basrah.
																																Kerman.
										S 85° W		1·9											1·7			0·79			0·79			Ispahan.
										N 11° E		2·0											3·8			1·28			1·28			Tehran.
										N 3° W		2·2											3·1			1·17			1·17			Baghdad.
																																Beirut.
5	3	22	1	0	0	0	0	0	N 42° E	N 76° E	9·9	9·4	+0·5	76	+ 4	73	− 1	·610	−·053	3·9	−0·8	0	0·5	−0·5	0	0·13	−0·13	0	0·13	−0·13	0	Aden.
6	13	11	1	0	0	0	0	0	N 23° E	N 85° E	4·8	4·6	+0·2	74	+33	78	− 4	·863	−·013	6·8	+0·9	2	8·5	−6·5	0·61	5·54	−4·93	0·61	5·54	−4·93	0·17	Zanzibar.

* Mean of 10 days.
† Mean of 29 days.

(a) Indeterminate.
d Mean of 30 days.

‡ One wind less.

Table C.—Abstract of observations taken at 8 hrs. at 57 fourth and fifth class stations in India, etc., in December, 1915.

Table

Abstract of observations taken at 8 hrs. at 57 fourth

Number of sub-division.	Station.	Temperature of air.													Wind direction.										
		Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.	Number of winds from: 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.—Assam.																								
4	Bishnath	59·0	77·2	+2·3	48·8	+4·6	63·0	+3·5	28·4	82·1	1st	39·9	11th	42·2	...	...	...	...	...	...	...	...	...	...	...
	Borjuli	61·0	80·3	+2·3	46·8	+1·8	63·5	+2·1	33·5	83·4	1st	43·4	11th & 22nd.	40·0	...	...	...	...	...	...	...	...	...	...	...
	Chandkhira	57·5	82·4	+2·1	51·7	+1·4	67·1	+1·7	30·7	85·6	1st	49·5	10th & 23rd.	36·1	...	...	...	...	...	...	...	...	...	...	...
	Doom Dooma	52·4	79·3	+10·5	49·1	+1·6	64·2	+6·1	30·2	86·8	1st	41·2	4th	42·6	...	...	...	...	...	...	...	...	...	...	...
	Dikom	55·5	77·2	+2·3	48·2	+2·3	62·7	+2·3	29·0	83·2	1st	42·6	4th	40·6	...	...	...	...	...	...	...	...	...	...	...
	Golaghat	54·8	75·3	+4·2	49·7		62·5		25·6	80·4	1st & 2nd	45·8	11th	34·6	...	...	...	...	...	...	...	...	...	...	...
	Hailakandi	59·0	79·8	+0·2	53·8	+1·2	66·8	+0·7	26·0	84·5	2nd	50·0	30th	34·5	...	...	...	...	...	...	...	...	...	...	...
	Jorehat	55·8	76·5	+1·8	51·6	+1·8	64·1	+1·8	24·9	81·9	1st	47·6	11th	34·3	...	...	...	...	...	...	...	...	...	...	...
	Lumding	57·0	78·0		50·9*		63·7*		25·1	79·4	2nd	48·0	10th	31·4	...	...	...	...	...	...	...	...	...	...	...
	Messa	60·8	81·7	+0·2	48·7	+3·2	65·2	+1·7	33·0	88·[illegible]	2nd	44·8	10th	43·6	...	...	...	...	...	...	...	...	...	...	...
	Panerihat	50·6	78·3	+2·1	49·9	+1·8	64·1	+1·9	28·4	82·3	1st	44·5	11th	37·8	...	...	...	...	...	...	...	...	...	...	...
	III.—Bengal.																								
1	Comilla	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Brahmanbaria	65·1	80·9	+0·9	56·5	+2·4	68·7	+1·7	24·4	87·0	4th	54·1	7th & 30th	32·9	...	...	...	...	...	...	...	...	...	...	...
	Faridpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Goalundo	62·1	79·3	+1·7	52·0	+0·5	65·7	+1·1	27·3	84·1	2nd & 4th	49·1	4 days	35·0	...	...	...	...	...	...	...	...	...	...	...
	Pabna	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Sirajganj	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Rampur Boalia	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Malda	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Rangpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Dam Dim	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Kalchini	63·3	77·5	−0·4	47·5	+0·3	62·5	−0·1	30·0	82·1	1st	42·5	11th	38·6	...	...	...	...	...	...	...	...	...	...	...
	Nagrakata	68·0	78·6	+0·5	52·1	−0·1	65·3	+0·2	26·5	83·1	4 days	48·0	5th, 14th & 31st.	35·1	...	...	...	...	...	...	...	...	...	...	...
	Cooch Behar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Krishnagar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Bankura	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Raniganj (Asansol)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	IV.—Bihar and Orissa.																								
7	Hazaribagh	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	Bhagalpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Muzaffarpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Motihari	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Chapra	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Arrah	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Dehri	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

* Mean of 14 days.

C.

and fifth class stations in India, etc., in December, 1915.

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.	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, 1915.	Normal rainfall of this period.	Departure from normal of this period.		
27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
																					II.—Assam.
...	...	...	...	...	84	− 8	·423	+ ·058	...	...	1	1·2	− 0·2	0·57	0·25	+ 0·32	0·57	0·25	+ 0·32	0·55	Bishnath.
...	...	...	...	...	75	−11	·400	+ ·021	...	...	0	...	0	0·04	0·06	− 0·02	0·04	0·06	− 0·02	0·04	Borjuli.
...	...	...	...	...	96	0	·454	+ ·007	...	...	0	1·0	− 1·0	0	0·54	− 0·54	0	0·54	− 0·54	0	Chandkhira.
...	...	...	...	...	86	− 9	·340	− ·045	...	...	1	2·0	− 1·0	0·30	0·41	− 0·11	0·30	0·41	− 0·11	0·21	Doom Dooma.
...	...	...	...	...	89	− 4	·394	+ ·031	...	...	2	1·7	+ 0·3	0·57	0·55	+ 0·02	0·57	0·55	+ 0·02	0·30	Dikom.
...	...	...	...	...	95	+ 4	·410	− ·019	...	...	1	0·7	+ 0·3	0·11	0·39	− 0·28	0·11	0·39	− 0·28	0·10	Golaghat.
...	...	...	...	...	94	+ 2	·464	+ ·022	...	...	0	1·5	− 1·5	0	0·51	− 0·51	0	0·51	− 0·51	0	Hailakandi.
...	...	...	...	...	96	+ 1	·427	+ ·003	...	...	1	1·5	− 0·5	0·46	0·42	+ 0·04	0·46	0·42	+ 0·04	0·46	Jorehat.
...	...	...	...	...	98	...	·454	...	...	...	0	0·5	− 0·5	0	0·21	− 0·21	0	0·21	− 0·21	0	Lumding.
...	...	...	...	...	75	− 3	·404	− ·028	...	...	1	1·2	− 0·2	0·70	0·33	+ 0·37	0·70	0·33	+ 0·37	0·70	Messa.
...	...	...	...	...	97	+ 5	·358	+ ·009	...	...	1	0·7	+ 0·3	0·25	0·26	− 0·01	0·25	0·26	− 0·01	0·25	Panerihat.
																					III.—Bengal.
...	...	...	...	...	...	...	...	...	...	...	0	0·3	− 0·3	0	0·22	− 0·22	0	0·22	− 0·22	0	Comilla.
...	...	...	...	...	79	− 5	·489	− ·015	...	...	0	1·2	− 1·2	0	0·50	− 0·50	0	0·50	− 0·50	0	Brahmanbaria.
...	...	...	...	...	...	...	...	...	...	...	0	0·3	− 0·3	0	0·08	− 0·08	0	0·08	− 0·08	0	Faridpur.
...	...	...	...	...	81	− 2	·451	+ ·003	...	...	0	0·7	− 0·7	0	0·23	− 0·23	0	0·23	− 0·23	0	Goalundo.
...	...	...	...	...	...	...	...	...	...	...	0	0·8	− 0·8	0	0·19	− 0·19	0	0·19	− 0·19	0	Pabna.
...	...	...	...	...	...	...	...	...	...	...	0	0·3	− 0·3	0	0·09	− 0·09	0	0·09	− 0·09	0	Sirajganj.
...	...	...	...	...	...	...	...	...	...	...	0	0·1	− 0·1	0	0·03	− 0·03	0	0·03	− 0·03	0	Rampur Boalia.
...	...	...	...	...	...	...	...	...	...	...	0	0	0	0	0·02	− 0·02	0	0·02	− 0·02	0	Malda.
...	...	...	...	...	...	...	...	...	...	...	0	0·2	− 0·2	0	0·04	− 0·04	0	0·04	− 0·04	0	Rangpur.
...	...	...	...	...	...	...	...	...	...	...	0	0·5	− 0·5	0·02	0·19	− 0·17	0·02	0·19	− 0·17	0·02	Dam Dim.
...	...	...	...	...	71	− 2	·419	− ·008	...	...	1	0·8	+ 0·2	0·11	0·33	− 0·22	0·11	0·33	− 0·22	0·11	Kalchini.
...	...	...	...	...	62	−11	·425	+ ·029	...	...	0	0·8	− 0·8	0	0·38	− 0·38	0	0·38	− 0·38	0	Nagrakata.
...	...	...	...	...	...	...	...	...	...	...	0	0·3	− 0·3	0	0·07	− 0·07	0	0·07	− 0·07	0	Cooch Behar.
...	...	...	...	...	...	...	...	...	...	...	0	0·2	− 0·2	0	0·06	− 0·06	0	0·06	− 0·06	0	Krishnagar.
...	...	...	...	...	...	...	...	...	...	...	0	0·2	− 0·2	0	0·09	− 0·09	0	0·09	− 0·09	0	Bankura.
...	...	...	...	...	...	...	...	...	...	...	0	0·3	− 0·3	0	0·09	− 0·09	0	0·09	− 0·09	0	Raniganj (Asansol).
																					IV.—Bihar and Orissa.
...	...	...	...	...	...	...	...	...	...	...	0	0·4	− 0·4	0	0·22	− 0·22	0	0·22	− 0·22	0	Hazaribagh.
...	...	...	...	...	...	...	...	...	...	...	0	0·1	− 0·1	0·01	0·04	− 0·03	0·01	0·04	− 0·03	0·01	Bhagalpur.
...	...	...	...	...	...	...	...	...	...	...	0	0·1	− 0·1	0	0·05	− 0·05	0	0·05	− 0·05	0	Muzaffarpur.
...	...	...	...	...	...	...	...	...	...	...	0	0·4	− 0·4	0·02	0·16	− 0·14	0·02	0·16	− 0·14	0·01	Motihari.
...	...	...	...	...	...	...	...	...	...	...	0	0·3	− 0·3	0·03	0·13	− 0·10	0·03	0·13	− 0·10	0·03	Chapra.
...	...	...	...	...	...	...	...	...	...	...	0	0·4	− 0·4	0·03	0·17	− 0·14	0·03	0·17	− 0·14	0·03	Arrah.
...	...	...	...	...	...	...	...	...	...	...	0	0·4	− 0·4	0·03	0·23	− 0·20	0·03	0·23	− 0·20	0·03	Dehri.

Table

Abstract of observations taken at 8 hrs. at 57 fourth

Number of sub-division.	Station.	Temperature of air.													Wind direction.										
		Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.	Number of winds from: 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.—Assam.																								
4	Bishnath	59·0	77·2	+2·3	48·8	+4·6	63·0	+3·5	28·4	82·1	1st	39·9	11th	42·2	...	...	...	...	...	...	...	...	...	...	...
	Borjuli	61·0	80·3	+2·3	46·8	+1·8	63·5	+2·1	33·5	83·4	1st	43·4	11th & 22nd.	40·0	...	...	...	...	...	...	...	...	...	...	...
	Chandkhira	57·5	82·4	+2·1	51·7	+1·4	67·1	+1·7	30·7	85·6	1st	49·5	10th & 23rd.	36·1	...	...	...	...	...	...	...	...	...	...	...
	Doom Dooma	52·4	79·3	+10·5	49·1	+1·6	64·2	+6·1	30·2	86·8	1st	44·2	4th	42·6	...	...	...	...	...	...	...	...	...	...	...
	Dikom	55·5	77·2	+2·3	48·2	+2·3	62·7	+2·3	29·0	83·2	1st	42·6	4th	40·6	...	...	...	...	...	...	...	...	...	...	...
	Golaghat	54·8	75·3	+4·2	49·7		62·5		25·6	80·4	1st & 2nd	45·8	11th	34·6	...	...	...	...	...	...	...	...	...	...	...
	Hailakandi	59·0	79·8	+0·2	53·8	+1·2	66·8	+0·7	26·0	84·5	2nd	50·0	30th	34·5	...	...	...	...	...	...	...	...	...	...	...
	Jorehat	55·8	76·5	+1·8	51·6	+1·8	64·1	+1·8	24·9	81·9	1st	47·6	11th	34·3	...	...	...	...	...	...	...	...	...	...	...
	Lumding	57·0	76·0		50·9*		63·7*		25·1	79·4	2nd	48·0	10th	31·4	...	...	...	...	...	...	...	...	...	...	...
	Messa	60·8	81·7	+0·2	48·7	+3·2	65·2	+1·7	33·0	88·4	2nd	44·8	10th	43·6	...	...	...	...	...	...	...	...	...	...	...
	Panerihat	50·6	78·8	+2·1	49·9	+1·8	64·1	+1·9	28·4	82·3	1st	44·5	11th	37·8	...	...	...	...	...	...	...	...	...	...	...
	III.—Bengal.																								
	Comilla	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Brahmanbaria	65·1	80·9	+0·9	56·5	+2·4	68·7	+1·7	24·4	87·0	4th	54·1	7th & 30th	32·9	...	...	...	...	...	...	...	...	...	...	...
	Faridpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Goalundo	62·1	79·3	+1·7	52·0	+0·5	65·7	+1·1	27·3	84·1	2nd & 4th	49·1	4 days	35·0	...	...	...	...	...	...	...	...	...	...	...
	Pabna	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Sirajganj	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Rampur Boalia	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Malda	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Rangpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Dam Dim	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Kalchini	63·3	77·5	−0·4	47·5	+0·3	62·5	−0·1	30·0	82·1	1st	43·5	11th	38·6	...	...	...	...	...	...	...	...	...	...	...
	Nagrakata	68·0	78·6	+0·5	52·1	−0·1	65·3	+0·2	26·5	83·1	4 days	48·0	5th, 14th & 31st.	35·1	...	...	...	...	...	...	...	...	...	...	...
	Cooch Behar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Krishnagar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Bankura	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Raniganj (Asansol)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	IV.—Bihar and Orissa.																								
7	Hazaribagh	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	Bhagalpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Muzaffarpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Motihari	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Chapra	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Arrah	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Dehri	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

* Mean of 14 days.

C.

and fifth class stations in India, etc., in December, 1915.

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.	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, 1915.	Normal rainfall of this period.	Departure from normal of this period.		
27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
																					II.—Assam.
...	...	...	...	...	84	− 8	·423	+ ·058	...	...	1	1·2	− 0·2	0·57	0·25	+ 0·32	0·57	0·25	+ 0·32	0·55	Bishnath.
...	...	...	...	...	75	−11	·400	+ ·021	...	...	0	...	0	0·04	0·06	− 0·02	0·04	0·06	− 0·02	0·04	Borjuli.
...	...	...	...	...	96	0	·454	+ ·007	...	...	0	1·0	− 1·0	0	0·54	− 0·54	0	0·54	− 0·54	0	Chandkhira.
...	...	...	...	...	86	− 9	·340	− ·045	...	...	1	2·0	− 1·0	0·30	0·41	− 0·11	0·30	0·41	− 0·11	0·21	Doom Dooma.
...	...	...	...	...	89	− 4	·394	+ ·031	...	...	2	1·7	+ 0·3	0·57	0·55	+ 0·02	0·57	0·55	+ 0·02	0·30	Dikom.
...	...	...	...	...	95	+ 4	·410	− ·019	...	...	1	0·7	+ 0·3	0·11	0·39	− 0·28	0·11	0·39	− 0·28	0·10	Golaghat.
...	...	...	...	...	94	+ 2	·461	+ ·022	...	...	0	1·5	− 1·5	0	0·51	− 0·51	0	0·51	− 0·51	0	Hailakandi.
...	...	...	...	...	96	+ 1	·427	+ ·003	...	...	1	1·5	− 0·5	0·46	0·42	+ 0·04	0·46	0·42	+ 0·04	0·46	Jorehat.
...	...	...	...	...	98	...	·454	...	...	...	0	0·5	− 0·5	0	0·21	− 0·21	0	0·21	− 0·21	0	Lumding.
...	...	...	...	...	75	− 3	·404	− ·028	...	...	1	1·2	− 0·2	0·70	0·33	+ 0·37	0·70	0·33	+ 0·37	0·70	Messa.
...	...	...	...	...	97	+ 5	·358	+ ·009	...	...	1	0·7	+ 0·3	0·25	0·26	− 0·01	0·25	0·26	− 0·01	0·25	Panerihat.
																					III.—Bengal.
...	...	...	...	...	...	...	...	...	...	...	0	0·3	− 0·3	0	0·22	− 0·22	0	0·22	− 0·22	0	Comilla.
...	...	...	...	...	79	− 5	·489	− ·015	...	...	0	1·2	− 1·2	0	0·50	− 0·50	0	0·50	− 0·50	0	Brahmanbaria.
...	...	...	...	...	...	...	...	...	...	...	0	0·3	− 0·3	0	0·08	− 0·08	0	0·08	− 0·08	0	Faridpur.
...	...	...	...	...	81	− 2	·451	+ ·003	...	...	0	0·7	− 0·7	0	0.23	− 0·23	0	0·23	− 0·23	0	Goalundo.
...	...	...	...	...	...	...	...	...	...	...	0	0·8	− 0·8	0	0·19	− 0·19	0	0·19	− 0·19	0	Pabna.
...	...	...	...	...	...	...	...	...	...	...	0	0·3	− 0·3	0	0·09	− 0·09	0	0·09	− 0·09	0	Sirajganj.
...	...	...	...	...	...	...	...	...	...	...	0	0·1	− 0·1	0	0·03	− 0·03	0	0·03	− 0·03	0	Rampur Boalia.
...	...	...	...	...	...	...	...	...	...	...	0	0	0	0	0·02	− 0·02	0	0·02	− 0·02	0	Malda.
...	...	...	...	...	...	...	...	...	...	...	0	0·2	− 0·2	0	0·04	− 0·04	0	0·04	− 0·04	0	Rangpur.
...	...	...	...	...	...	...	...	...	...	...	0	0·5	− 0·5	0·02	0·19	− 0·17	0·02	0·19	− 0·17	0·02	Dam Dim.
...	...	...	...	...	71	− 2	·419	− ·008	...	...	1	0·8	+ 0·2	0·11	0·33	− 0·22	0·11	0·33	− 0·22	0·11	Kalchini.
...	...	...	...	...	62	−11	·425	+ ·029	...	...	0	0·8	− 0·8	0	0·38	− 0·38	0	0·38	− 0·38	0	Nagrakata.
...	...	...	...	...	...	...	...	...	...	...	0	0·3	− 0·3	0	0·07	− 0·07	0	0·07	− 0·07	0	Cooch Behar.
...	...	...	...	...	...	...	...	...	...	...	0	0·2	− 0·2	0	0·06	− 0·06	0	0·06	− 0·06	0	Krishnagar.
...	...	...	...	...	...	...	...	...	...	...	0	0·2	− 0·2	0	0·09	− 0·09	0	0·09	− 0·09	0	Bankura.
...	...	...	...	...	...	...	...	...	...	...	0	0·3	− 0·3	0	0·09	− 0·09	0	0·09	− 0·09	0	Raniganj (Asansol).
																					IV.—Bihar and Orissa.
...	...	...	...	...	...	...	...	...	...	...	0	0·4	− 0·4	0	0·22	− 0·22	0	0·22	− 0·22	0	Hazaribagh.
...	...	...	...	...	...	...	...	...	...	...	0	0·1	− 0·1	0·01	0·04	− 0·03	0·01	0·04	− 0·03	0·01	Bhagalpur.
...	...	...	...	...	...	...	...	...	...	...	0	0·1	− 0·1	0	0·05	− 0·05	0	0·05	− 0·05	0	Muzaffarpur.
...	...	...	...	...	...	...	...	...	...	...	0	0·4	− 0·4	0·02	0·16	− 0·14	0·02	0·16	− 0·14	0·01	Motihari.
...	...	...	...	...	...	...	...	...	...	...	0	0·3	− 0·3	0·03	0·13	− 0·10	0·03	0·13	− 0·10	0·03	Chapra.
...	...	...	...	...	...	...	...	...	...	...	0	0·4	− 0·4	0·03	0·17	− 0·14	0·03	0·17	− 0·14	0·03	Arrah.
...	...	...	...	...	...	...	...	...	...	...	0	0·4	− 0·4	0·03	0·23	− 0·20	0·03	0·23	− 0·20	0·03	Dehri.

Table

Abstract of observations taken at 8 hrs. at 57 fourth

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.	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
	V.—United Provinces of Agra and Oudh.																								
10	Meerut	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Dehra Dun	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	IX.—Rajputana.																								
18	Udaipur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	XII.—Central Provinces.																								
23	Chhindwara	54·1	78·3	...	48·0	...	63·2	...	30·3	81·7	12th	41·9	28th	39·8	30	0	0	0	0	0	0	0	1	N 45° W	...
	XIII.—Hyderabad.																								
27	Parbhani	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	XV.—Madras.																								
31	Tinnevelly	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
32	Anantapur	68·7	83·1	...	60·5	...	71·3	...	22·6	88·2	31st	54·1	5th & 6th	34·1	...	...	...	...	...	...	...	...	...	...	...
33	Guntur	68·6	81·1	...	62·2	...	71·7	...	18·9	89·2	31st	58·0	4th	31·2	...	...	...	...	...	...	...	...	...	...	...
	Bay Islands.																								
1	Car Nicobar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Kashmir.																								
13	Jammu	53·5	70·2	...	48·8	...	59·5	...	21·4	74·1	4 days	45·3	17th & 18th	28·8	0	22	8	0	0	1	0	0	0	N 13° E	...
	Sonamarg	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...
	Kargil	21·3	40·2	...	7·3	...	22·7	...	32·9	52·1	1st	−3·0	18th	55·1	0	1	0	6	15	6	2	0	1	S 43° E	...
	Baluchistan.																								
	Harnai	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Hill stations, exclusive of Kashmir.																								
	Panighatta	63·1	76·2	−0·4	55·6	+1·4	65·9	+0·5	20·6	81·5	1st	51·0	31st	30·5	...	...	...	...	...	...	...	...	...	...	...
	Kurseong	55·7	60·8	+0·3	47·8	+0·2	54·8	+0·3	13·0	68·3	4th	44·9	31st	23·4	...	...	...	...	...	...	...	...	...	...	...
	Gnatong	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Lachung	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Ringim	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Mussoorce	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Poo	...	49·0	+2·6	28·6	+1·9	38·8	+2·3	20·4	58·7	5th	24·0	31st	34·7	19	3	0	2	0	0	0	3	4	N 24° W	...
	Kailang	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Bakloh	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Pishin	...	59·0	+2·0	20·1	−7·0	39·6	−2·5	38·9	71·7	4th	12·0	24th	59·7	..	...	...	...	...	...	...	...	...	...	...

C—*continued.*

and fifth class stations in India, etc., in December, 1915—*continued.*

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.	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, 1915.	Normal rainfall of this period.	Departure from normal of this period.	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
																					V.—United Provinces of Agra and Oudh.
...	...	...	...	...	...	...	...	...	...	...	0	1·3	−1·3	0·04	0·49	−0·45	0·04	0·49	−0·45	0·04	Meerut.
...	...	...	...	...	...	...	...	...	...	...	1	1·6	−0·6	0·21	0·87	−0·66	0·21	0·87	−0·66	0·13	Dehra Dun.
																					IX.—Rajputana.
...	...	...	...	...	...	...	...	...	...	...	0	0·4	−0·4	0·07	0·11	−0·04	0·07	0·11	−0·04	0·07	Udaipur.
																					XII.—Central Provinces.
0·7	...	...	3	...	70	...	·294	...	1·2	...	1	...	...	0·63	...	...	0·63	...	...	0·63	Chhindwara.
																					XIII.—Hyderabad.
...	...	...	...	...	...	...	...	...	...	...	2	0·7	+1·3	2·52	0·24	+2·28	2·52	0·24	+2·28	1·71	Parbhani.
																					XV.—Madras.
...	...	...	...	...	...	...	...	...	...	...	5	5·1	−0·1	3·20	3·33	−0·13	3·20	3·33	−0·13	1·02	Tinnevelly.
...	...	...	...	...	85	...	·598	...	1·7	...	0	0·5	−0·5	0	0·16	−0·16	0	0·16	−0·16	0	Anantapur.
...	...	...	...	...	76	...	·533	...	...	...	0	0·7	−0·7	0	0·52	−0·52	0	0·52	−0·52	0	Guntur.
																					Bay Islands.
...	...	...	...	...	...	...	...	...	...	...	5	7·9	−2·9	12·00	6·91	+5·09	12·00	6·91	+5·09	4·10	Car Nicobar.
																					Kashmir.
...	...	...	90	...	54	...	·218	...	0·3	...	1	1·7	−0·7	0·20	1·20	−1·00	0·20	1·20	−1·00	0·12	Jammu.
...	...	...	...	...	...	...	...	...	...	...	3	6·8	−3·8	1·34	5·87	−4·53	1·34	5·87	−4·53	0·65	Sonamarg.
...	...	...	68	...	73	...	·088	...	4·0	...	1	2·1	−1·1	0·28	0·64	−0·36	0·28	0·64	−0·36	0·23	Kargil.
																					Baluchistan.
...	...	...	...	...	...	...	...	...	...	...	0	1·7	−1·7	0	0·74	−0·74	0	0·74	−0·74	0	Harnai.
																					Hill stations, exclusive of Kashmir.
...	...	...	...	...	60	+ 1	·340	−·005	...	...	1	0·8	+0·2	0·17	0·44	−0·27	0·17	0·44	−0·27	0·17	Panighatta.
...	...	...	...	...	93	+20	·417	+·150	...	...	1	1·2	−0·2	0·12	0·62	−0·50	0·12	0·62	−0·50	0·12	Kurseong.
...	...	...	...	...	...	...	...	...	...	...	3	...	...	1·43	...	...	1·43	...	...	0·90	Gnatong.
...	...	...	...	...	...	...	...	...	...	...	0	...	...	0	...	...	0	...	...	0	Lachung.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Ringim.
...	...	...	...	...	...	...	...	...	...	...	1	1·9	−0·9	1·06	1·00	+0·06	1·06	1·00	+0·06	0·97	Mussooree.
...	...	...	23	...	...	...	...	...	4·1	+0·1	2	2·5	−0·5	0·30	0·83	−0·53	0·30	0·83	−0·53	0·19	Poo.
...	...	...	...	...	...	...	...	...	...	...	...	2·3	...	...	1·00	...	...	1·00	...	...	Kailang.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Bakloh.
...	...	...	...	...	...	...	...	...	...	...	0	2·7	−2·7	0	1·27	−1·27	0	1·27	−1·27	0	Pishin.

Table

Abstract of observations taken at 8 hrs. at 57 fourth

Number of sub-division.	Station.	Temperature of air.													Wind direction.										
		Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.	Number of winds from: 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.																								
	Chumbi (*) . . .	24·3	26·1	...	18·7	...	22·4	...	7·4	30·0	18th	15·0	10th, 16th & 22nd.	15·0	...	...	...	...	...	...	...	...	...	...	...
	Pemba	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Prison Island . . .	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Seistan	...	63·4	...	33·9	...	48·6	...	29·5	75·0	3rd	24·0	26th	51·0	25	2	0	0	0	0	0	0	4	N 31° W	...

* Mean of 29 days.

C—*concluded.*

and fifth class stations in India, etc., in December, 1915—*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.	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, 1915.	Normal rainfall of this period.	Departure from normal of this period.		
27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
																					Extra India.
...	...	...	...	...	90	...	·119	...	0·2	...	0	...	...	0	...	...	0	...	...	0	Chumbi.
...	...	...	...	...	...	...	...	...	...	...	5	10·4	−5·4	1·80	7·36	−5·56	1·80	7·36	−5·56	0·70	Pemba.
...	...	...	...	...	...	...	...	...	...	...	...	9·2	...	...	5·67	...	...	5·67	...	...	Prison Island.
4·3	...	...	19	...	...	...	...	...	...	...	0	...	...	0	...	...	0	...	...	0	Seistan.

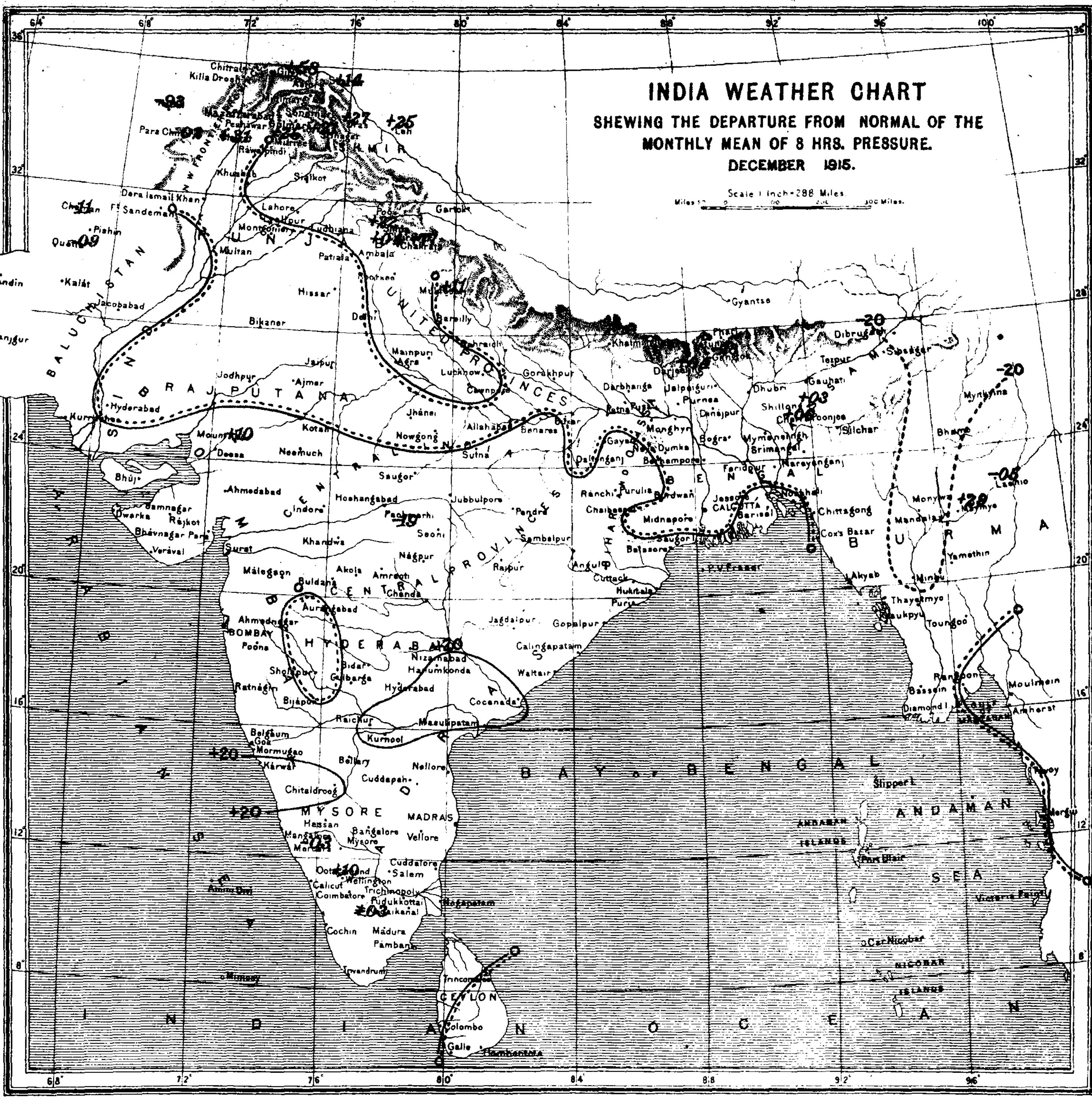
CALCUTTA
SUPERINTENDENT, GOVERNMENT PRINTING, INDIA
8 HASTINGS STREET

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

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

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

Wind strengths are based on factor 2·2 for the standard type of Beckley Robinson anemograph, instead of 3·0 as used for this plate up to December 1911 inclusive.



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.

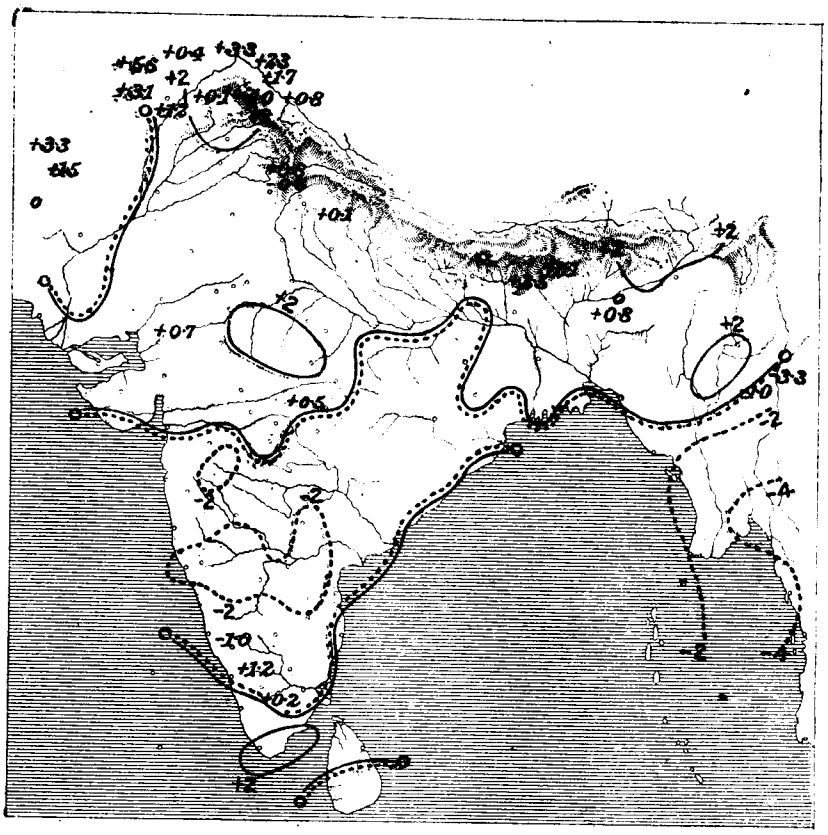


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MINIMUM TEMPERATURE.

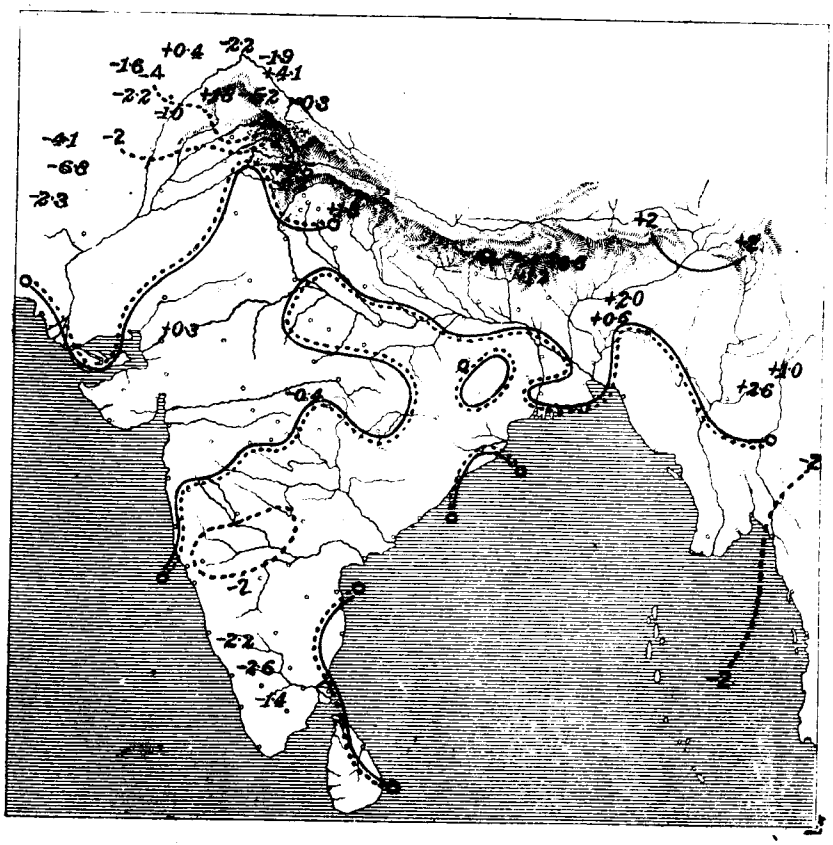


CHART SHEWING THE DEPARTURE FROM NORMAL
OF THE MONTHLY MEAN OF DAILY
MEAN TEMPERATURE.

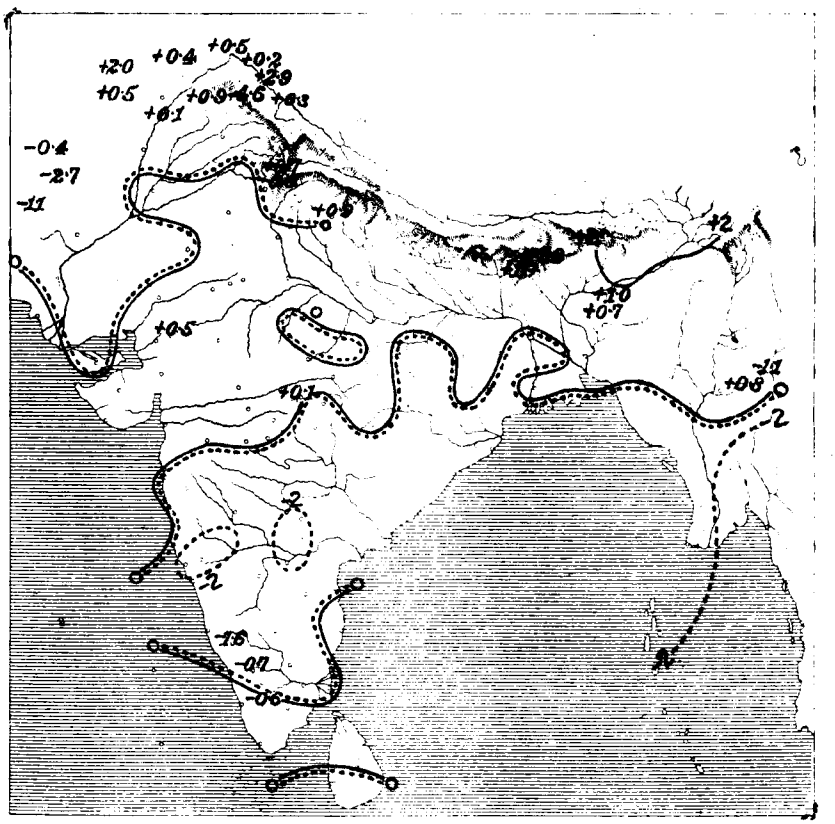


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF ABSOLUTE HUMIDITY AT 8 HRS.

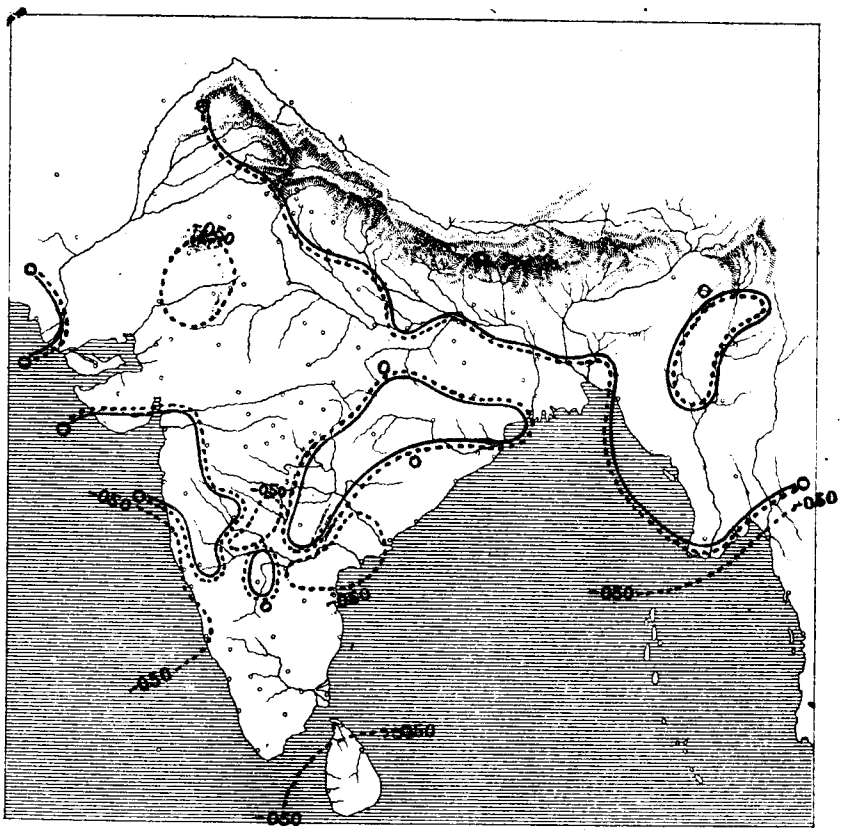


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF RELATIVE HUMIDITY AT 8 HRS.

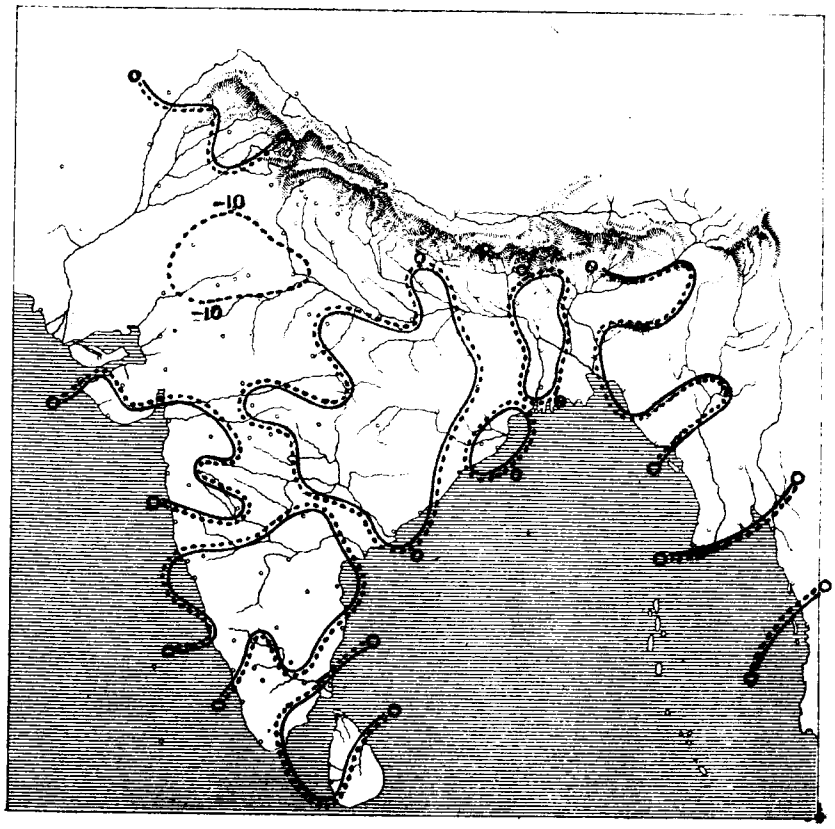


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF CLOUD AMOUNT AT 8 HRS.

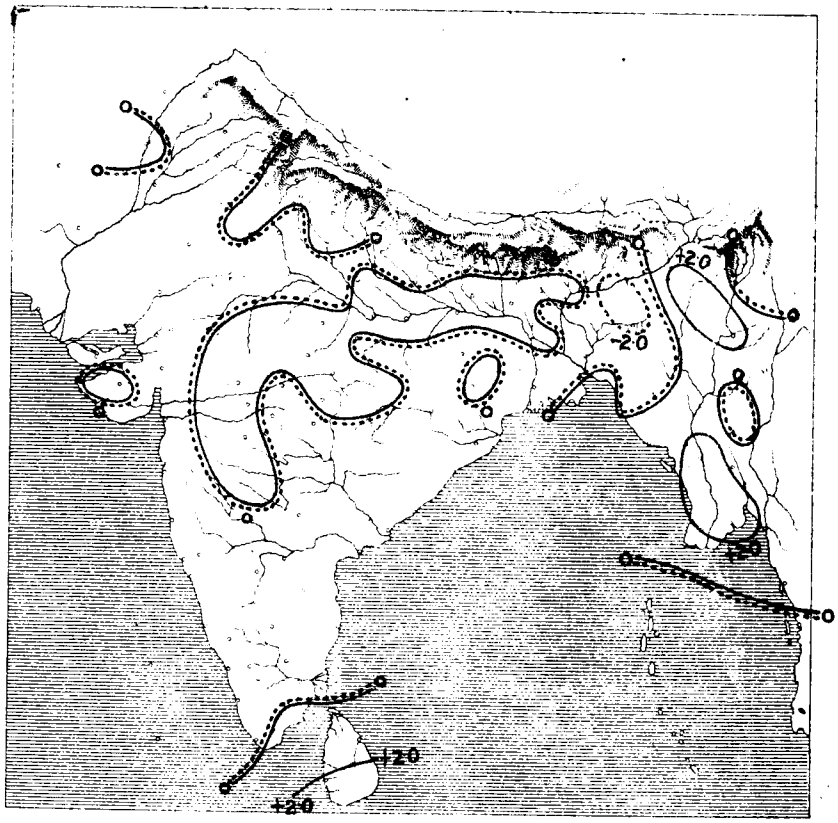
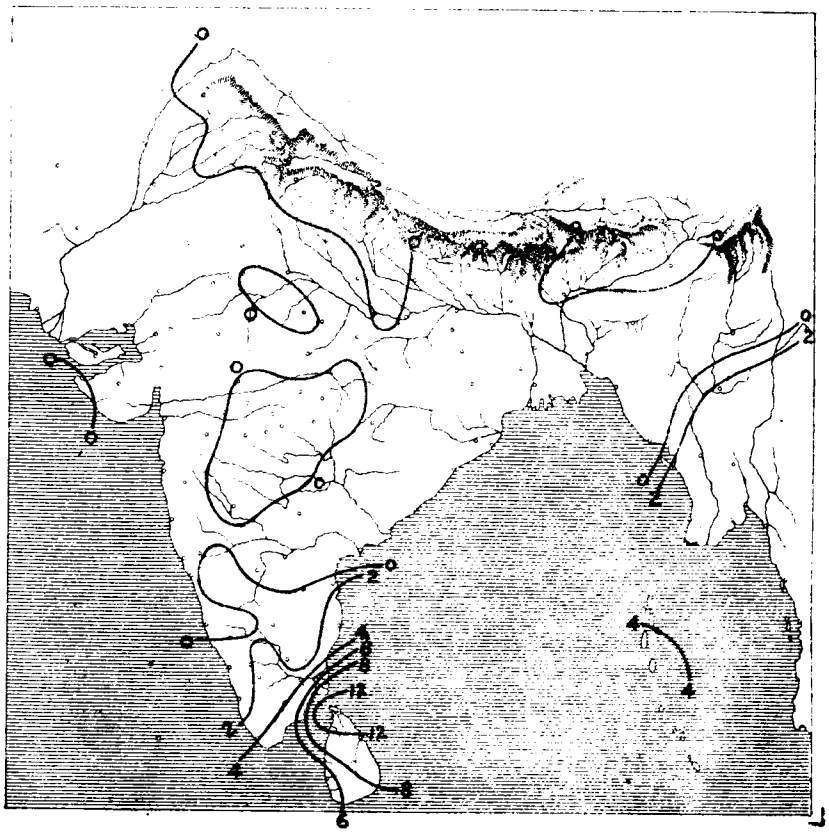
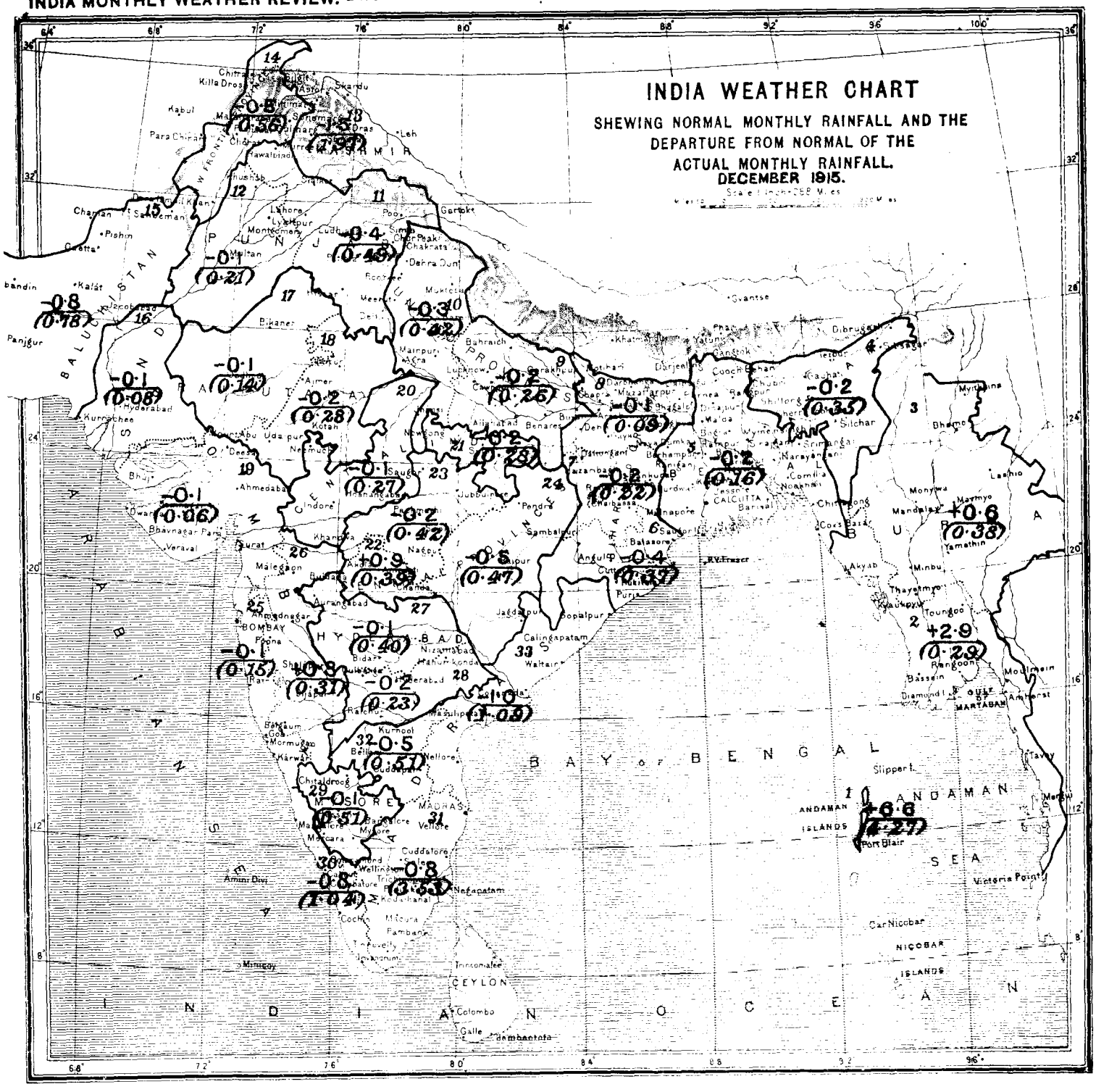


CHART SHEWING THE TOTAL NUMBER OF DAYS IN THE MONTH ON WHICH RAINFALL EQUALLED OR EXCEEDED 0·10 INCH.

(BASED ON THE RETURNS OF TABLE B.)





The country is divided into 33 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. Bengal
6. Orissa
7. Chota Nagpur
8. Bihar
9. United Provinces, East
10. United Provinces, West
11. Punjab, East and North
12. Do., Southwest
13. Kashmir
14. Northwest Frontier Province
15. Baluchistan
16. Sind
17. Rajputana, West
18. Rajputana, East
19. Gujarat
20. Central India, West
21. Do., East
22. Berar
23. Central Provinces, West
24. Do., East
25. Konkan
26. Bombay, Deccan
27. Hyderabad, North
28. Hyderabad, South
29. Mysore
30. Malabar
31. Madras, Southeast
32. Madras, Deccan
33. Madras Coast, North

GOVERNMENT OF INDIA.

METEOROLOGICAL DEPARTMENT.

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ANNUAL SUMMARY, 1915.

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UNDER THE DIRECTION OF

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