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FOR THE YEAR

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GOVERNMENT OF INDIA.

METEOROLOGICAL DEPARTMENT.

MONTHLY WEATHER REVIEW.

PUBLISHED BY ORDER OF

THE GOVERNMENT OF INDIA.

CALCUTTA, JANUARY, 1907.

INTRODUCTION.

THIS review of the weather in India during the month of January 1907 is based on observations taken daily at 8 h. at 234 stations, and on additional observations taken at 10 h. and 16 h. at 36 stations. In the rainfall summary the data furnished by the meteorological observatories, and such rainfall statements of the month as had been published by the Provincial Governments up to the date of the preparation of the review, have been utilized. The brief notes on solar, seismic and magnetic disturbances have been supplied by the chief observatories.

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

Up to the present there have been published in Tables I and II the data of the first, second and third class stations. In the present number, the former tables have been called Table B and Table A respectively, and a Table C has been introduced, containing the data of the fourth class stations.

Summary of the chief features of the weather in India during the month of January, 1907.

2. The weather was comparatively warm and dry and the skies clear over the greater part of northern India, and no very marked depressions occurred in the winter storm-track to give heavy rainfall in the plains or deep snowfall in the hills. Snowfall was generally light, except in Ladak. In the Frontier Province, however, and in the Punjab hills, precipitation was in excess, while in Assam and Burma rainfall was exceedingly abundant, and measured 215 and 363 per cent. respectively above normal. In the Peninsula rainfall was more or less in defect except in the south; temperature was normal and cloud proportion was almost uniformly high.

Four depressions reached India from Persia or Baluchistan, but from only two, at the beginning and end of the month, was any widespread precipitation derived. A slight depression which arose in Gujarat, acting in conjunction with a simultaneous disturbance in the Punjab, gave considerable rainfall over parts of Central India, the United Provinces and the Central Provinces on the 10th. The rainfall in Assam and Burma occurred chiefly during the last nine days of the month.

For the greater part of the month temperature was high in the north-west, and warm waves spread over the whole of the northern India between the 6th and the 9th and, after a spell of cooler weather, between the 19th and the 25th. High temperatures thereafter persisted until the 30th, on which day a cold wave began to traverse India eastwards from Sind.

Solar, seismic and magnetic disturbances.

Kodaikanal Observatory.

3. *Solar Observations.*—The early part of the month was not very favourable for solar observations, but there was only one day (5th) when the sky was completely overcast. There were three other days on which prominences could not be observed. During the whole of the month the spectroheliograph was out of use owing to the rebuilding of the siderostat house.

Sunspots.—The revival in spot activity noticed last month continued and 30 new groups were recorded, of which two were returns of groups previously seen. No less than 25 of the groups were in the northern hemisphere and only 5 in the southern. Ten of the groups were within 10° of the equator and 17 other groups had a latitude of between 10° and 20°. The chief groups of the month were Nos. 1034 and 1051. The former of these when seen during the previous rotation was a fairly compact group, but on its return it was scattered over 10° of latitude and 19° of longitude; on most days the C line was reversed in its spectrum. No. 1051, which came round the limb on the 27th, consisted of a leading large spot with a double umbra and a large train of followers. On the 30th its spectrum showed a great disturbance in the hydrogen line and D_3 was intensely dark near the spot.

Prominences.—Large prominences were abundant. No less than 71 reached a height of about one minute and upwards and of these 9 were over 2 minutes high. The tallest seen was on the 24th at position angle 72° and this reached a height of 175 seconds.

There were "great" magnetic disturbances on the 15th and 16th and "moderate" disturbances on the 8th, 9th and 15th. On the 15th the great group 1034 was crossing the central meridian and on the 10th group No. 1037 had formed just beyond the central meridian.

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

Bombay Observatory:—Note on the Colaba and Alibag Records.

4. *Magnetic disturbances.* During the month the traces showed 5 calm days, 21 days of small, 4 days of moderate and one day of great disturbance.

Movements suspected to be due to seismic causes occurred on the 8th at about 17 h., the strain apparently lasting for about 6 hours.

The days selected as quiet for the purposes of the Magetic Survey of India are the 3rd, 4th, 19th, 21st and 29th.

The mean observed absolute values of the several elements, and the ranges and the summed ranges of the horizontal force and declination are as follow:—

Declination	1° 3′ 48″ east.
Horizontal force	0·36875 C. G. S. unit.
Dip	23° 10′·8.
Horizontal force range	0·00041 C. G. S. unit.
Horizontal force summed range	0·00266 C. G. S. unit.
Declination range	1′·79.
Declination summed range	7′·27.

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

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

The magnitudes of the disturbances are determined from horizontal force traces. C.=calm; S.=small; M.=moderate; G.=great; V. G.=very great. Days are reckoned from midnight to midnight.

Seismic disturbances.—Six seismic disturbances were recorded during the month on 1st, 2nd, 4th, 8th, 12th and 19th, that recorded on the 4th being the largest.

Date.	Commencement. G. M. T.	Maximum. G. M. T.	End. G. M. T.	Amplitude in m. m.	Duration.	REMARKS.
	H. M.	H. M.	H. M.		H. M.	
Jan. 1	0 54·5	1 4·9	1 49·0	0·6	0 54·5	
„ 2	12 23·6	13 14·0	*	1·8	..	* Lost in shifting time.
„ 4	5 25·5	†	8 44·5	†	3 19·0	
„ 8	5 48·2	6 20·1	7 7·2	0·5	1 19·0	† Traces overlap.
„ 12	8 38·6	8 47·2	9 8·9	0·4	0 30·3	
„ 19	13 42·8	13 45·3	14 6·4	0·5	0 23·6	

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

CALCUTTA OBSERVATORY.

5. List of displacements recorded by the Milne seismograph at the Alipore Observatory during January 1907.

Date 1907.	P. T. Commencement. G. M. T.	L. W. Commencement. G. M. T.	Maximum. G. M. T.	End. G. M. T.	Duration.	Max. displacement on trace from mean position. m.m.	REMARKS.
	H. M.	H. M.	H. M.	H. M.	H. M.		
January 2nd*	12-12·3	12-59·1	13-1·1	15-38·7	3-26·4	2·0	
4th†	5-25·4	—	?	9-4·5	3-39·1	—	
	10-2·1	10-9·2	10-17·4	10-34·7	0-32·6	1·25	
5th	23-49·9	23-56·5	0-1·1	0-29·6	0-39·7	1·75	
8th	6-3·0	6-23·3	(*a*)	7-49·9	1-46·9	?	(*a*) After 6-30 G. M. T. the instrument was interfered with for taking away the watch to have it rated. So the max. and its amplitude can not be determined.
10th	5-46·4	5-58·6	6-0·1	6-13·8	0-27·4	0·75	
12th	-34·7	8-36·7	8-41·8	8-49·9	0-15·2	0·75	
14th	20-23·2	22-0·8	22-6·4	22-30·0	2-7·1	0·50	
31st	18-49·6	—	—	19-41·4	0-51·8	—	Thickening o f line.

* As the watch which marks the time is under repair the approximate times of commencement, etc., as far as can be determined are given.

† As the boom moved throughout the breadth of the trace several times the times of maxima and their amplitudes can not be determined.

C. W. PEAKE,
Meteorologist, Calcutta.

SIMLA OBSERVATORY.

6. List of earthquakes recorded by the Omori-Ewing seismograph. The magnification was 15 during the month.

Date.	Beginning of 1st P. T. G. M. T.	Beginning of 2nd P. T. G. M. T.	Beginning of L. W. G. M. T.	Time of maximum amplitude G. M. T.	Approximate end G. M. T.	Duration approximate.	Maximum displacement of style m. m.	REMARKS.
	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.		
4th	5-25·6	5-31·05	5-33·4	5-40·0?	8 0	2 35	Hit the stops.*	The distance of the centre of disturbance comparable with 2,700 miles.
10th	...	...	...	14-25·0	14-26·0	0 1	·	Local.
11th	...	...	...	16-33·0	...	...	1·0	»
19th	...	...	16-32·0	...	16-33·0	0 1	...	Tremor.
22nd	...	...	19-48·5	...	19-50·0	0 1·5	...	»

* Whenever a severe earthquake occurs the tracing style is prevented from going off the paper by stops which are placed on each side of the heavy brass.

J. PATTERSON,
Imperial Meteorologist, Simla.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

7. Solar observations.—Observations were taken on every day except the 4th, 11th, 13th, 17th, 25th, 28th and 30th, groups of sunspots being seen throughout. They were especially numerous between the 1st and 6th and faculæ were visible on each day of observation :—

Day.	Time	Disturbance.
5	1 to 23 h. .	Occasional small fluctuations in H. F.
5	4 to 4½ h. .	Decrease of H. F. (15).
5	9 to 11½ h. .	Wave in H.F. (+30) steep at end.
8	½ to 1½ h. .	Ditto (+20).
8	3 to 4 h. .	Ditto (+17).
8	5½ h. . .	Sudden increase in H. F. (16).
8	20 h. 40 m. .	Ditto (14) followed by rapid fluctuations (±8) till 9 d. 3½ h.
8	23 h. to .	Occasional small fluctuations in Dec. with wave 9 d.-0½ to 1 h. (+2).
9	3½ h. . .	
10	20½ h. to .	Rapid fluctuations in H. F. (±10).
11	0 h. . .	
11	11 h. to .	
12	1h. . .	
12	11 to 17 h. .	Wave in H. F. (—45).
12	22 h. to ?	Two successive waves in H. F. (+19) and (+16).
13	1 h.. . .	
14	23 h. 35 m. .	Sudden increase in H. F. (+27).
15	0 h. to 4 h. .	Double wave in H. F. (+40) and (—35).
15	6 to 9 h. .	Wave in H. F. (—15).
15	11½ to 12½ h.	Decrease in H. F. (62).
15	13 to 15 h. .	Double wave in H. F. (+12 to —12).
16	11 to 16 h. .	Small fluctuations in H. F.
24	14 to 16 h. .	Wave in H. F. (—20).
24	19 to 21 h. .	Ditto. (—22).
24	22½ to 24 h.	Ditto. (+16).
25	17 to 19 h. .	Ditto. (+16).
27	18½ to 20 h. .	Ditto. (+20).
28	1½ to 3½ h. .	Ditto. (+15).
28	11 h. to .	Loss of H. F. and Dec. register.
29	9 h. . .	
31	10 to 21 h. .	Occasional small fluctuations in H. F.

Weather in the Indian monsoon region.

8. Pressure was above normal over the whole region represented by Mauritius, Zanzibar and Seychelles, the excess being greatest at Mauritius where it amounted to 0·07". Winds were nearly normal in direction, but velocity was low except at Seychelles. At Mauritius rainfall was very light, while at the other stations it was heavier than usual:—

	Mauritius.	Zanzibar.	Seychelles.
Departure from normal of mean pressure.	+·072	+·022	+·015
Actual mean wind direction	N 89° E	N 10° E	N 30° W
Normal mean wind direction	S 86° E	N 33° E	N 39° W
Actual mean wind velocity (miles per diem).	188	131	150
Normal mean wind velocity (miles per diem).	266	181	147
Rainfall departure	−5·92	+1·86	+1·90

Depressions and cyclonic storms.

9. The weather during the month was remarkably free from severe disturbances of the wintertype, depressions which arise in Persia or Baluchistan and travel eastward into India. Several slight disturbances of this nature, however, occurred, but the resulting precipitation was not heavy; in addition, three shallow depressions were formed over the Indian land area, and one over the Bay of Bengal. The following is a summary of these disturbances:—

(a) An area of low pressure appeared over Gujarat on the 6th, and a depression, which had apparently formed in Baluchistan, had advanced by the morning of the 8th into north Rajputana and the adjacent districts of the Punjab, where it remained stationary for the next two days. With the advent of the latter depression into northwest India snow began to fall in Kashmir, and by the 9th precipitation had extended over the hills and submontane districts of the Punjab. In the meantime the area of low pressure in Gujarat extended into the central portions of the country, and on the 10th the combined action of these two disturbances gave widespread rain over the United Provinces, the east of Central India, the northern half of the Central Provinces, and the Punjab plains; and snow fell in the hill districts of upper India. Both depressions then filled up rapidly, and by the 12th weather was dry over the whole of northern India.

(b) Weather was again slightly unsettled in northwest India from the 14th to the 16th owing to the arrival of a depression which had advanced eastward from Persia, but no precipitation resulted except light snow in Kashmir on the 15th and 16th. On the latter date disturbed conditions appeared in the southeast of the Bay of Bengal and rain was falling at the Andamans. These latter conditions gradually moved northward and disappeared on the 20th, after giving rain at most stations in Burma between the 17th and 19th.

(c) Pressure began to give way in northwest India on the 21st, and the fall continued until the 24th when pressure was nearly a quarter of an inch in defect in Sind and the neighbouring districts of the Punjab and Rajputana. The deficiency of pressure completely reversed the pressure gradients in northern India and permitted the inflow of winds from the Arabian Sea and the Bay of Bengal, but the precipitation associated with these abnormal conditions was confined to Assam in the east and to the hill and submontane districts of upper India in the west; in the latter region precipitation continued until the 27th and some heavy falls of snow occurred in Kashmir on the 26th. Pressure began to recover on the 25th, and by the 27th had risen sufficiently to allow the winds on the Kathiawar coast to become nearly normal in direction. By the next morning however another depression had appeared in Baluchistan, and, entering the southwest Punjab on the 29th, travelled northward and gave light precipitation in the extreme north of India from the 29th to the end of the month.

(d) Simultaneously with these disturbed conditions in northwest India, weather was unsettled in the northeast, where pressure was in large defect and a slight depression was shown. The winds in consequence remained southerly at the head of the Bay up to the 28th, but no rain fell except in Assam from the 23rd to the 28th, and in the extreme north of Burma on the 27th and 28th. Precipitation was renewed in Assam on the 31st, owing to the advance eastward of an area of low pressure which had formed in the United Provinces on the 30th.

Pressure.

10. In most of the observing stations in India the barometers in use are mercury instruments on Fortin's principle of fiducial point adjustment, with tubes of 0·4" bore throughout. These are on the whole preferable to the pattern of barometer on the Kew principle, still in use at some Indian stations, which requires no hand adjustment to a fiducial level before affording a pressure reading, its scale being calibrated to compensate for the change of level of the cistern mercury as the pressure alters.

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

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

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

Dehra.	Patiala.	Trivandrum.
Katmandu.	Diego Garcia (Six Islands, Chagos).	
Kurnool.		

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

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

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

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

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

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

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

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

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

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

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

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

(2) The mean daily range.

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

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

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

The distribution of the mean 8 h. 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 h. pressure reduced to 32°F.

The greater part of the normal 8 h. daily and monthly means of pressure utilized in the pressure section of the review have been deduced from the barometric observations of the whole of the twenty-two years' period 1878—99, and in all except 27 cases the periods employed equalled or exceeded ten years.

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

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

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

In January 1907 pressure was low on the average of the whole country by 0·02″. The deficiency was least in the south of India, where it averaged 0·01″ and greatest in the north where it varied between 0·02″ and 0·06″, and the gradient from north to south was accordingly below its normal value. Departures from normal were irregular in Burma, pressure having been high in the eastern districts and low in the west.

In the hills of northern India departures were of sign opposite to those in the adjacent plains, and in consequence the vertical gradients were slight; in the central parts of the country vertical gradients were approximately normal.

The following table gives the departures from normal of the pressure at hill stations, and opposite each of these the corresponding departure at that plain station which is conveniently to be considered with it: the last column showing the departures from normal of the differences of the pairs of stations so associated :—

Hill Station.	Departure from normal pressure.	Plain Station.	Departure from normal pressure.	Departure of pressure difference.
	"		"	"
Quetta	+·017	Jacobabad	—·045	—·062
Leh	+·037	Lahore	—·046	—·083
Murree	0	Peshawar	—·047	—·047
Simla	+·003	Ludhiana	—·035	—·038
Chakrata	+·007	Roorkee	—·023	—·030
Darjeeling	+·021	Dhubri	—·045	—·066
Lashio	—·022	Bhamo	+·015	+·037
Mount Abu	—·001	Deesa	—·020	—·019
Pachmarhi	—·018	Khandwa	—·022	—·004

The table below gives the departures of mean pressure recorded in the fourteen chief political divisions :—

Division.	Departure from normal of mean 8 h. pressure.
	"
Burma	—·003
Eastern Bengal and Assam	—·035
Bengal	—·032
United Provinces of Agra and Oudh	—·035
Punjab	—·036
North-West Frontier Province	—·051
Sind	—·039
Rajputana	—·028
Bombay	—·010
Central India	—·030
Central Provinces	—·018
Hyderabad	—·014
Mysore	—·010
Madras	—·010

Large and rapid oscillations of pressure occurred during the month, especially in northern India in the track of the winter depressions. The following table indicates these changes :—

Date.	Character of pressure departures in northern India.
1st	Moderate excess.
3rd	Moderate defect.
5th	Slight to moderate excess.
7th to 9th	Moderate to large defect.
10th	Pressure normal.
11th to 14th	Moderate to large excess.
15th to 20th	Pressure normal.
21st to 31st	Moderate to very large defect.

Temperature.

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

It should be noted that for the purposes of Table B the mean temperature of the day really denotes the mean temperature of the 24 hours preceding 8 h. of the day in question, and that therefore the month for which the means are given in this table terminates at 8 h. 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 h. as in Table B), and the monthly means apply therefore to monthly periods ending at midnight of the last day of the month in question.

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

The departures from normal of the mean daily mean temperature of the month given in Table A have been obtained by a comparison of the actual mean with normal means calculated in the same manner. The normal means

derived from all the available trustworthy temperature data for each station are given in the "Indian Meteorological Memoirs," Volume XVII, pages 16 to 20.

The methods of exposing thermometers will be found fully described in the hand-book of instructions to observers in India, or briefly in the Annual Report on the Meteorology of India for the year 1886, page 37. All thermometers in use have been verified by comparison with Kew standard thermometers at Calcutta, and all thermometer readings are corrected to their true values, and hence are strictly comparable.

The mean distribution of temperature in India in each month is exhibited by means of three charts, which show the departures of the mean maximum, mean minimum and mean daily temperature from their normal values for the month. These charts are Nos. 1 and 2 of Plate III and No. 1 of Plate IV. In these charts equal departures of temperature are indicated by lines, the lines being drawn for differences of 2 degrees of departure. A continuous line indicates that the temperature was in excess by the amount shown by the number given near the line, and a broken line that it was in defect by the amount indicated by the number similarly placed. The line of no departure, separating areas of excessive from areas of deficient temperature, consists of a continuous and of a broken line placed parallel and near to each other, the broken line being on the side of deficient temperature, and the continuous line on that of excessive temperature. The departures of the temperature of the month from the normal at the hill stations are given in figures with a positive or negative sign to indicate excess or defect; they are not taken into account when the lines are drawn.

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

In January 1907 day and night temperatures were high in northern India, in consequence of the fewness of cold weather storms and the lack of rainfall. Mean values were 2° in excess of the normal over the greater part of that area, and showed their most marked departures, $3\frac{1}{2}$° to 5°, in the Indus valley. In the Peninsula mean monthly temperature was nearly normal; temperature by night was inclined to be high, while by day it was on the whole high in Bombay, normal in Mysore and Madras, and low in Hyderabad. In Burma days were cool and nights warm, especially in the central districts where minimum temperature was 5° in excess of the normal.

In the hill stations of Baluchistan, Afghanistan and northwest India both day and night temperatures were above normal by between 2° and 11°.

During the first five days of the month, temperature was approximately normal, except in northwest India and the interior of Burma where it was considerably higher than usual; but from the 6th to the 9th, the high temperatures in the northwest spread eastwards, and on the latter date covered the greater part of northern India. Rainfall occurred on the 10th and cooled the air considerably, especially in the central portions of the country, and temperature there remained in slight to moderate defect until the 19th. Warm weather had been prevalent in Baluchistan from the beginning of the month, and on the 19th a warm wave began to spread eastwards into India. This had reached Assam by the 25th, and high temperatures continued over the whole region of northern India until the 30th. A rapid fall then occurred in Baluchistan, and was spreading eastwards over Central India and the United Provinces on the last day of the month.

The following tables give temperature details for the 34 meteorological divisions and average conditions for the fourteen chief political divisions of the Empire:—

Division.	Actual temperature.					Departure from normal of month of		
	Mean maximum.	Mean minimum.	Monthly mean of mean between maximum and minimum.	Mean daily range of temperature.	Absolute range during month.	Maximum.	Minimum.	Daily range.
	°	°	°	°	°	°	°	°
1. Bay Islands	85·3	76·2	80·8	9·1	16·8	—0·3	+0·6	—0·9
2. Lower Burma	86·0	66·2	76·2	19·9	29·1	—0·4	+2·4	—2·8
3. Upper do.	81·6	56·0	68·9	25·6	36·0	—0·2	+4·0	—4·2
4. Assam	75·0	52·5	63·8	22·5	33·5	+1·5	+1·8	—0·3
5. Eastern Bengal	78·3	55·1	66·7	23·3	33·1	+2·6	+3·1	—0·5
6. Bengal	79·9	55·9	68·0	24·0	36·8	+1·9	+2·4	—0·5
7. Orissa	81·9	57·6	69·8	24·3	39·1		—0·3	+0·4
8. Chota Nagpur	78·7	51·9	65·4	26·8	42·1	+1·5	+1·7	—0·2
9. Bihar	76·8	52·2	64·5	24·6	36·5	+2·6	+1·9	+0·7
10. United Provinces East	76·7	49·8	63·3	26·9	40·6	+3·0	+2·1	+0·9

Division.	Actual temperature.					Departure from normal of month of		
	Mean maximum.	Mean minimum.	Monthly mean of mean between maximum and minimum.	Mean daily range of temperature.	Absolute range during month.	Maximum.	Minimum.	Daily range.
	°	°	°	°	°	°	°	°
11. United Provinces West	73·5	49·5	61·5	23·9	38·4	+2·3	+2·9	—0·6
12. Punjab East and North	69·9	47·1	58·5	22·8	38·2	+2·4	+4·1	—1·7
13. Punjab South-West	74·0	46·5	60·4	27·5	43·3	+5·2	+4·3	+0·9
14. Kashmir	40·4	20·2	30·3	20·2	44·5	+7·0	+5·3	+1·7
15. N.-W. Frontier Province	70·0	44·7	57·3	25·3	38·9	+3·7	+4·7	—1·0
16. Baluchistan	61·4	32·9	47·1	28·5	55·7	+9·2	+2·8	+6·4
17. Sind	80·3	53·7	67·0	26·7	44·3	+4·6	+4·0	+0·6
18. Rajputana West	79·6	50·6	65·1	29·0	46·6	+5·0	+2·7	+2·3
19. Do. East	79·2	50·6	64·9	28·6	44·4	+4·6	+3·9	+0·7
20. Gujarat	84·9	57·6	71·2	27·3	42·7	+2·5	+2·2	+0·3
21. Central India West	80·6	49·9	65·2	30·7	44·1	+2·1	+0·6	+1·5
22. Do. East	76·7	48·4	62·6	28·4	43·6	+1·6	+1·1	+0·5
23. Berar	86·4	56·2	71·3	30·2	44·4	+1·5	+0·6	+0·9
24. Central Provinces West	81·4	52·0	66·8	29·4	45·1	+1·2	+0·2	+1·0
25. Do. East	81·0	53·8	67·4	27·3	43·1	—0·4	—0·2	—0·2
26. Konkan	85·8	68·8	77·2	17·0	25·0	—0·2	+1·5	—1·7
27. Bombay Deccan	86·3	55·9	71·1	30·4	43·6	+1·0	+0·7	+0·3
28. Hyderabad North	84·5	57·8	71·2	26·7	38·5	...	...	...
29. Do. South	85·2	61·4	73·3	23·8	37·0	—0·6	+1·1	—1·7
30. Mysore	82·4	58·5	70·5	23·9	36·1	0	+0·7	—0·7
31. Malabar	87·0	71·6	79·3	15·4	22·5	—0·2	+0·9	—1·1
32. Madras South-East	85·7	67·5	76·6	18·2	29·4	+0·2	+0·2	0
33. Madras Deccan	88·1	62·6	75·3	25·5	36·9	—0·2	+1·4	—1·6
34. Do. Coast North	82·4	65·6	74·0	16·8	28·1	0	+0·5	—0·5

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

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

Winds.

12. The 8 h. wind data, consisting of observations of the direction of the wind and of the air movement as registered by Robinson anemometers, are given in Table B under the headings "Wind directions," "Wind velocity" and "Wind steadiness." In these columns are shown the number of days the wind at 8 h. blew from each of eight points, the resultant direction of wind, the mean hourly air movement and the steadiness. The wind resultant is calculated in all cases by the use of Lambert's formula, in which equal values are given to each wind observation irrespective of velocity. The mean wind directions are shown in Plate I by means of arrows in the usual manner.

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

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

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

In January 1907 the conditions of wind at 8 h. were approximately normal over the greater part of the Indian land area.

Below are given the data of velocity and steadiness of wind for the fourteen chief political divisions :—

Province.	Departure from normal of	
	Hourly wind velocity.	Wind steadiness.
Burma	—0·3	— 9
Eastern Bengal and Assam	—0·3	— 1
Bengal	+0·2	— 5
United Provinces of Agra and Oudh	—0·9	—10
Punjab	+0·2	0
North-West Frontier Province	—0·9	—21
Sind	—1·0	—10
Rajputana	+0·4	+ 4
Bombay	—0·2	— 1
Central India	—1·2	— 1
Central Provinces	—0·4	— 2
Hyderabad	—1·2	+14
Mysore	—0·8	—12
Madras	+0·2	— 5

Humidity and cloud.

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

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

The proportion of cloud is estimated in tenths of the sky expanse, an overcast sky being denoted by 10 and a cloudless sky by 0. The monthly means in Table A are the arithmetical means of the cloud amounts at 10 h. and 16 h. and the normal means, with which the attual

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 h. in each month in India is shown in Chart No. 1 of Plate VI, and the discussion of this and of the hygrometric features is based on the data given in Table B.

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

In January 1907 the air, notwithstanding the deficiency in rainfall, was damper than usual. Vapour tension was above normal everywhere except in Tenasserim, the Central Provinces, Khandesh and at a few stations in Madras, the greatest excess occurring in central Burma, Arakan and parts of north Bombay. Relative humidity in the plains bore roughly the same characters as vapour tension, but in the hills low values were recorded in spite of an excess of vapour.

Cloud proportion was considerably below the average in Baluchistan and Sind, and slightly below in the Punjab, the United Provinces, the greater part of Rajputana, Chota Nagpur, the east of the Peninsula, Khandesh and at a few stations in Burma: over the rest of the country skies were much more clouded than is usual in January.

The general features may best be gathered by a reference to plates V and VI (Chart. No. I.), and to the following table :—

Division.	Absolute humidity.		Relative humidity.		Cloud amount.	
	Actual.	Departure from normal.	Actual.	Departure from normal.	Actual.	Departure from normal.
	"	"	%			
Burma	·544	+·040	86	+2	2·2	+0·4
Eastern Bengal and Assam	·454	+·039	90	0	3·2	+1·4
Bengal	·409	+·025	81	+2	1·8	+0·4
United Provinces of Agra and Oudh	·345	+·040	83	+4	2·2	−0·2
Punjab	·309	+·054	83	+4	2·8	−1·1
North-West Frontier Province	·252	+·047	80	+9	3·7	−0·4
Sind	·338	+·070	68	+6	1·6	−1·4
Rajputana	·271	+·027	60	−2	2·2	−0·5
Bombay	·424	+·035	64	+3	1·4	+0·3
Central India	·296	+·006	67	+1	2·7	+1·1
Central Provinces	·320	−·005	63	+1	1·4	+0·1
Hyderabad	·430	+·005	63	−1	1·6	+0·1
Mysore	·483	+·017	75	+5	2·5	+0·1
Madras	·641	+·020	80	+2	2·5	0

Rainfall.

14. Rainfall observations are made at upwards of 2,500 stations in India. The time of observation is 8 h. The rainfall data for each province are tabulated in the office of the Meteorologist, Director of Land Records, or other office in the province, and published in the provincial gazettes.

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

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

The distribution of the total number of rainy days in each month is exhibited in Chart No. 2 of Plate VI. A "rainy day" is one on which 0·10 inch or more of rain is received within 24 hours.

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

The month of January 1907 was singularly free from important cold weather storms, and precipitation was accordingly much below the average in Baluchistan and northern and central India. In Sind and Baluchistan practically no rain fell, while Bengal and Bombay received barely 8 and 33 per cent. of their respective normal amounts.

In the North-West Frontier Province, on the other hand, and in the Punjab hills, Assam and Burma rainfall was abundant and considerably above normal. The precipitation in Burma occurred chiefly between the 17th and 19th and during the last nine days of the month; in Assam during the last week, and in north-west India from the 8th to 11th, 23rd to 26th, and 29th to 31st.

Details of the month's rainfall are shown in the two tables below :—

Division.	Number of rainy days.		Rainfall.			
	Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure.
			Inches.	Inches.	Inches.	Per cent.
Bay Islands	3·0	2·4	3·22	0·75	+2·47	+329
Lower Burma	0·9	0·1	0·35	0·05	+0·30	+600
Upper do.	1·0	0·3	0·38	0·10	+0·28	+280
Assam	3·9	1·9	2·36	0·75	+1·61	+215
Eastern Bengal	0·2	0·9	0·09	0·46	—0·37	— 80
Bengal	0·1	0·9	0·04	0·41	—0·37	— 90
Orissa	0	0·6	0·01	0·26	—0·25	— 96
Chota Nagpur	0·3	1·1	0·09	0·51	—0·42	— 82
Bihar	0·1	1·3	0·05	0·71	—0·66	— 93
United Provinces East	0·3	1·5	0·07	0·67	—0·60	— 90
Do. do. West	1·2	2·0	0·83	0·99	—0·16	— 16
Punjab East and North	2·2	2·4	1·09	1·23	—0·14	— 11
Do. South-West	0·2	1·3	0·17	0·54	—0·37	— 69
Kashmir	5·6	4·7	2·94	3·29	—0·35	— 11
North-West Frontier Province	3·1	2·5	1·59	1·37	+0·22	+ 16
Baluchistan	0	2·9	0·01	1·29	—1·28	— 99
Sind	0	0·8	0·01	0·28	—0·27	— 96
Rajputana West	0·1	0·5	0·04	0·16	—0·12	— 75
Do. East	0·9	1·0	0·37	0·39	—0·02	— 5
Gujarat	0	0·1	0·01	0·04	—0·03	— 75
Central India West	0·6	0·6	0·15	0·23	—0·08	— 35
Do. East	0·6	1·8	0·19	0·86	—0·67	— 78
Berar	0·1	0·6	0·05	0·29	—0·24	— 83
Central Provinces West	0·7	1·0	0·30	0·55	—0·25	— 45
Do. East	0·7	0·8	0·20	0·40	—0·20	— 50
Konkan	0·2	0·2	0·06	0·13	—0·07	— 54
Bombay Deccan	0·1	0·2	0·03	0·10	—0·07	— 70
Hyderabad North	0·3	0·2	0·04	0·08	—0·04	— 50
Do. South	0·3	0·2	0·04	0·08	—0·04	— 50
Mysore	0·4	0·1	0·19	0·07	+0·12	+171
Malabar	0·8	0·2	0·28	0·22	+0·06	+ 27
Madras South-East	0·6	1·0	0·31	0·71	—0·40	— 56
Madras Deccan	0·1	0	0·02	0·12	—0·10	— 83
Madras Coast North	0·2	0·2	0·05	0·24	—0·19	— 79

Division.	Rainfall. Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	Inches.	Inches.	Inches.	
Burma	0·37	0 08	+0·29	+363
Eastern Bengal and Assam	1·24	0·61	+0·63	+103
Bengal	0·04	0·50	—0·46	— 92
United Provinces of Agra and Oudh.	0·43	0·82	—0·39	— 48
Punjab	0·90	1·09	—0·19	— 17
North-West Frontier Province.	1·59	1·37	+0·22	+ 16
Sind	0·01	0·28	—0·27	— 99
Rajputana	0·28	0·33	—0·05	— 15
Bombay	0·03	0·09	—0·06	— 67
	Inches.	Inches.	Inches.	
Central India	0·17	0·46	—0·29	— 63
Central Provinces	0·17	0·41	—0·24	— 59
Hyderabad	0·04	0·08	—0·04	— 50
ysore	0·19	0·07	+0·12	+171
Madras	0·19	0·45	—0·26	— 58
Mean of India, when the size of the above areas is taken into account.	0·34	0·44	—0·10	— 23

Snowfall.

I.—AFGHANISTAN.

15. No snow fell in Kabul beyond a slight shower on the 29th. The fall was heavier on the Hazara hills. At the close of the month the plain of Kabul was bare of snow but on the surrounding hills a thin covering remained.

II.—NORTH-WEST FRONTIER PROVINCE.

Snow fell on the highest peaks around Wano on the 7th, 8th and 15th. The total fall of the month was much lighter than usual. At the end of the month the accumulation on peaks measured about half an inch in depth.

Snow fell on eleven days on the hills surrounding the Kurram valley, and on the Sufed Koh. The accumulation at the end of the month measured 6 feet on the Sufed Koh and only a few passes were closed.

There were one or two falls of no great depth on the hills bordering Kohat.

III.—KASHMIR.

Leh.—There were fourteen falls in all during the month, but none of these exceeded 3 inches in depth. The accumulation in Leh at the end of the month was estimated at about 1 foot. The Chang La (elevation 18,000 feet) east of Leh remained open for laden animals till the middle of the month. There was much more cloud than usual.

IV.—PUNJAB.

(1) *Murree.*—No snow fell on the hills adjacent to Kahuta, but three light falls occurred at Murree.

(2) *Chamba.*—Occasional snowstorms occurred at the recording stations. The most severe storm was that of the 8th and 9th when moderate to heavy snow fell, and the snowline descended to 3,500 feet on the Bhandal range.

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

Recording Station.	Total amount of snowfall. Ft.	In.	Reported depth of accumulation at the end of the month. Ft.	In.
Kalatop	4	4	2	9
Surkhigalli	0	5		
Sao	0	4		
Bakani	2	0		
Bre	2	0		
Chitrari	2	4		
Ulansa	4	2	2	1
Barmaur	6	3	2	6
Langera	7	10	6	8
Bhandal	1	8		
Bhent	2	9		
Deuar	1	0		
Bara	5	9	1	10
Khangu	4	6	1	3
Chatri	3	6	0	10
Alwas	7	1	2	0
Tisa	1	0		
Padri Pass.			6	0

(3) *Dalhousie.*—A snow storm occurred on the 8th. The fall was only 5 inches deep at Dalhousie, but was believed to be at least double that amount at Bakrota, Kalatop, Khajiar and Dain Kund. During January 1906 the total fall at Dalhousie amounted to over 2 feet.

(4) *Kangra.*—There were occasional falls above 6,000 feet, while it rained below that level. Weather was unusually warm.

KULU TAHSIL.			SAVAJ TAHSIL.		
Pass.	Depth of accumulation at the end of the month.		Pass.	Depth of accumulation at the end of the month.	
	Actual.	Normal.		Actual.	Normal.
	Ft.	Ft. In.		Ft.	Ft. In.
Rohtang	12	14— 4	Srikhand	10	11— 8
Hamta	13	13— 9	Chul	3	6— 6
Chandar Khani	5½	7—11	Maghin	1	5— 9
Barsai	6	6— 9	Dundku	2	6—10
Boja Dhar	5½	6— 7	Tikkar	1	5— 7
Lohri Achhri	9½	8— 4	Ram Garh	1	1— 8
Sari	7	8— 5	Nuhnon	1	3— 6
Bhubu	3½	6— 1	Raghopur	3	5—10
Bastari	5	4—11	Jalori	3	5— 9
Majhang	1½	2— 4	Lambri	2	6— 2
			Sakiran	1	6— 4
			Gargarasan	2	8— 2
			Supakun	1	6— 4
			Bashleo	2	5—11
			Placha	?	6—11
			Tirath	1	7—11

(5) *Kailang.*—Snow fell on twelve days giving a total amount much in excess of the normal.

(5) *Kilba.*—Snowstorms of feeble intensity occurred on twelve days on the hills near Kilba. The snowline descended to 5,750 feet on the 10th and 15th.

Pass.	Depth of accumulation at the end of the month.		
	Actual.	Normal.	
	Feet.	Feet.	Inches.
Rupin	8	11	2
Brua	8	11	5
Harang	4	5	11
Shatul	8	10	10
Buldar	9	12	5
Runang	7	9	4

All the passes were closed to travellers.

V.—United Provinces.

(1) *Almora.*—Occasional falls occurred during the month. The total measuring about 9 feet in depth in Malla Johar, Byans and on the Nuwe pass, 5½ feet on the Pindari, Kaphini and Kantela peaks, and 5 feet on the Binkaru peak. The snowline came down to the foot of the hills. Temperature was abnormally low.

Peak or pass.	Depth of accumulation at the end of the month.			
	Actual.		Normal.	
	Feet.	Inches.	Feet.	Inches.
Unta Dhura	36	0	18	6
Ralam Dhura	33	0	11	10
Milam Dhura	47	0	14	8
Pindari Peak	5	5	8	8
Kaphini „	5	5	8	1
Kantela „	5	5	8	1
Nuwe Pass	35	0	31	0
Binkam „	30	0	...	...
Lipu Lekh „	9	0	17	4
Lampia „	9	6	7	6

(2) *Garhwal.*—Snowstorms occurred intermittently during the month, those of the 9th and 10th being severe: the snowline descended to about 5,000 feet on those dates.

16. Summary of the preceding information.

(*a*) Weather was much less disturbed than usual in Persia, Baluchistan and Afghanistan.

(*b*) The snowfall of the month was heavier than usual in Ladak and below normal in south west Kashmir.

(*c*) In the hill districts of the Punjab and of the United Provinces the snowfall of the month was on the whole light and the accumulation at the end of the month were accordingly not so deep as usual except locally in parts of Kumaon.

Crop report.

17. *Burma.*—Reaping of wet weather paddy was practically completed, and threshing and winnowing were in progress generally. The condition of miscellaneous standing crops in Upper Burma was on the whole good.

Eastern Bengal and Assam.—More rain was wanted in most districts. Pruning and hoeing of tea, plucking of cotton, pressing of sugarcane, gathering of mustard and transplantation of summer rice were in progress. The prospects of winter rice and other standing crops were moderate.

Bengal.—More rain was needed in parts for the spring crops, the prospects of which were, however, fair on the whole. Sugarcane pressing was in progress and the harvesting of winter rice was almost finished.

United Provinces.—The spring crops were being irrigated and weeded and were doing well. Ploughing for extra crops and for sugarcane continued, and harvesting of peas was commenced, prospects were good.

Punjab.—Ploughing and sowing of extra spring crops were in progress and the condition and prospects of the standing crops were generally good; rain was, however, urgently needed for unirrigated crops in Hissar, Rohtak and Ambala.

North-West Frontier Province.—The standing crops were in excellent condition but more rain was wanted in Dera Ismail Khan. Pressing of sugarcane was in progress and the outturn was good.

Jammu and Kashmir.—The condition of the standing crops was good and fodder was sufficient except in the Kishtwar tehsil.

Rajputana.—Agricultural operations and prospects were generally satisfactory, and pasturage and fodder were sufficient.

Central India.—Autumn harvesting, cotton picking, irrigation of spring crops and poppy cultivation were in progress. The standing crops were in good condition.

Central Provinces.—Picking of cotton and threshing and winnowing of autumn crops were almost completed. The condition of the standing spring crops was good.

Bombay.—Threshing of autumn crops and cotton picking were in progress. Standing crops were generally in good condition but they had sustained some damage from insects, locusts, blight and frost.

Hyderabad.—The early rice harvest and late rice sowings were in progress. Spring crops were generally in fair to good condition.

Mysore.—The standing crops were in good condition and were being harvested and the prospects of the season were favourable. Ploughing and sowing were in progress.

Coorg.—Picking of coffee and threshing of rice were in progress, water and fodder were sufficient.

Madras.—Ploughing, sowing, weeding and transplanting were in progress. The standing crops were generally fair, but in parts of Madura they were withering and in some other parts of the presidency they had been damaged by rain. The condition of cattle was generally good.

J. H. FIELD.

Table A.—Abstract of observations taken at 10 hrs. and 16 hrs., at 36 stations in India, etc., in January, 1907.

Table

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

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure.						Temperature of air.										Temperature, wet-bulb.			
			Mean of 10 hrs.	Mean of 16 hrs.	Mean daily range.	Mean of daily mean pressures.	Departure from normal.	Mean reduced to S.L. and gravity 45° Lat.	Mean maximum.	Mean minimum.	Mean daily range.	Highest maximum.	Lowest minimum.	Absolute range.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of three previous columns.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	I.—Burma.																					
2	Rangoon	36	30·005	29·881	·124	29·942	—·006	29·915	88·4	66·8	21·6	93·3	62·0	31·3	77·8	87·4	75·6	+0·9	64·6	68·4	70·0	67·7
	III—Bengal.																					
6	Calcutta	21	·050	·918	·132	·974	—·044	·941	80·0	57·7	22·3	86·6	52·1	34·5	71·7	79·0	67·9	+2·7	56·0	63·9	65·0	61·6
	IV—United Provinces of Agra and Oudh.																					
10	Allahabad	309	29·751	·624	·127	·675	—·051	·948	77·9	49·7	28·2	87·0	42·3	44·7	66·4	76·5	62·1	+2·6	48·2	57·0	60·3	55·1
11	Dehra Dun	2,283	27·772	27·686	·086	27·718	—·022	·984	69·3	47·5	21·8	75·4	42·3	33·1	59·6	65·9	57·5	+2·9	45·5	53·0	55·8	51·4
	V.—Punjab.																					
12	Lahore	702	29·334	29·245	·089	29·280	—·046	·984	71·6	46·7	24·9	79·1	37·3	41·8	59·2	69·9	57·2	+4·2	45·3	54·6	59·3	53·1
	VIII.—Rajputana.																					
19	Jaipur	1,431	28·627	28·515	·112	28·562	—·022	·995	79·0	51·2	27·8	87·5	42·6	44·9	68·8	77·1	63·7	+3·8	46·1	55·2	57·7	53·0
	Udaipur	1,925	·126	·010	·116	·059		·968	80·3	49·3	32·8	89·1	42·4	46·2	69·3	76·9	63·9		44·7	56·7	61·6	54·3
	IX.—Bombay.																					
26	Bombay	37	30·008	29·891	·117	29·943	—·012	·920	84·9	70·4	14·5	88·9	66·3	22·6	76·0	80·8	76·8	+2·3	64·8	68·6	72·0	68·5
	XI.—Central Provinces.																					
24	Buldana	2,132	27·913	27·793	·120	27·845	—·035	·926	82·7	59·1	23·6	90·2	50·4	39·8	75·3	81·1	70·3	+1·0	50·3	58·4	59·7	56·1
	Nagpur	1,017	29·038	28·900	·138	29·961	—·006	·954	84·9	53·8	31·1	93·1	48·1	45·0	71·6	83·3	68·6	—0·2	50·2	58·9	62·5	57·2
	XII.—Hyderabad.																					
29	Hyderabad	1,690	28·350	·224	·126	28·281	—·010	·930	84·2	59·7	24·5	91·4	54·0	37·4	75·2	81·4	71·1	+0·7	56·4	63·4	64·7	61·5
	XIII.—Mysore.																					
30	Bangalore	3,021	27·030	26·918	·112	26·972	—·014	·894	80·9	57·7	23·2	86·8	51·9	34·9	72·8	79·4	68·4	+0·9	56·0	62·6	63·0	60·5
	Mysore	2,518	·520	27·391	·129	27·454	—·017	·891	83·5	59·8	23·7	87·9	54·0	33·9	71·6	82·2	70·7	0	56·5	63·5	62·8	60·9
	XIV—Madras.																					
32	Periyakulam	944	29·071	28·936	·141	29·000		·885	86·7	63·8	22·9	90·7	51·6	39·1	77·6	84·7	75·2		61·6	68·0	68·8	66·2
	Pudukkottai	318	·719	29·587	·132	·653		·905	86·4	67·5	18·9	89·9	60·6	29·3	78·0	84·4	77·0		66·6 (d)	70·6	70·5	69·3
	Madras	22	30·035	·925	·110	·977	—·019	·931	88·9	66·9	17·0	86·5	59·6	26·9	79·7	80·9	74·6	—0·7	66·3	72·7	72·4	70·5
	Stations in the Bay.																					
1	Port Blair	61	29·946	·843	·103	·896	—·002	·888	86·0	76·0	10·0	88·7	69·5	19·2	81·9	84·1	80·2	0	71·6	75·1	75·6	74·1
	Kashmir.																					
14	Srinagar	5,204	25·002	24·914	·088	24·949	—·042	24·920	49·5	32·1	17·4	55·8	24·6	31·2	39·3	47·6	38·3	+8·1	30·6	36·8	44·6	37·3
	Leh	11,503	19·717	19·640	·077	19·673	+·052	19·641	32·3	10·7	21·6	45·4	—5·1	50·5	22·8	26·7	19·5	+2·2	9·3	19·8	22·8	17·3
	Baluchistan.																					
16	Quetta	5,502	24·723	24·633	·090	24·668	+·005	24·628	60·3	32·0	28·3	73·2	19·0	54·2	49·8	56·6	45·5	+5·8	29·3	39·5	42·5	37·1

NOTE—The barometric readings are not reduced to sea-level, in the cases of hill or plateau stations, the elevations of which exceed 3,200 feet.
** Mean of 30 days. ‡ Mean of 28 days. § Mean of 27 days. ¶ Mean of 26 days.

A.

t 36 stations in India, etc., in January, 1907.

Vapour tension in inches of mercury.					Humidity.					Cloud.				Wind direction.										Wind steadiness.		Wind velocity.		Rainfall.		Station.	Number of observations.
														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 hour.	Normal.	Total rainfall for the month.	Heaviest rainfall during the month.		
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
																									%	%					I.—Burma.	
·589	·570	·506	·572	+·004	89	60	39	70	0	1·4	2·7	2·1	+0·1	5	6	11	8	2	15	3	12		S 35° E	N 27° E	10	36	39°	91	0·17	0·09	Rangoon.	2
																															III.—Bengal.	
·434	·439	·392	·372	+·041	88	64	44	68	−2	1·2	0·8	1·1	−0·4	1	7		1	4	2	16	6	25	N 75° W	N 30° W	52	42	81	62	0	0	Calcutta.	6
																															IV.—United Provinces of Agra and Oudh.	
·338	·349	·312	·339	−·001	90	54	36	65	−3	1·9	2·3	2·1	−0·2	8	3	4	10	3	1	1	19	13	N 51° W	N 42° W	29	26	66°	91	0·01	0·01	Allahabad.	10
·282	·326	·322	·319	+·043	85	64	52	69	+2	3·4	2·4	2·9	−0·4	17	9	11	10	4	3	1	5	2	N 65° E	S 66° W	31	20	20	33	2·61	1·84	Dehra Dun.	11
																															V.—Punjab.	
·292	·369	·370	·342	+·079	90	73	51	74	+4	2·8	3·3	3·1	−0·6	13	1		8	10	1		17	12	N 82° W	N 20° W	18	21	60°	44	0·72	0·58	Lahore.	12
																															VIII.—Rajputana.	
·256	·273	·245	·264	−·004	66	39	26	48	−8	2·6	2·8	2·7	−0·6	5	6	5	5	5	2	7	10	17	N 52° W	N	31	18	80°	79	0·07	0·06	Jaipur.	19
·247	·309	·311	·290		72	43	34	50		0·7	1·2	1·0		28	1	4	7	4	3	4	9	1	S 2° E		6		56°		0	0	Udaipur.†	
																															IX.—Bombay.	
·541	·603	·677	·625	+·034	72	69	69	72	0	1·0	0·6	0·8	−0·3		3	12	15	1			10	21	N ° W	N 6° E	42	58	193	238	0	0	Bombay.	26
																															XI.—Central Provinces.	
·282	·288	·252	·274	−·026	52	33	24	44	−5	0·9	1·3	1·1	−0·9	3	11	8	6	7	8	2	6	11	N 8° E	N 68° E	16	12	123°	137	0.01	0·01	Buldana.	24
·324	·349	·312	·333	−·030	77	45	28	52	−2	0·9	1·4	1·2	−0·8	6	17	21	7	1	1	3	3	3	N 27° E	N 72° E	55	30	59°	84	0·09	0·09	Nagpur.	
																															XII.—Hyderabad.	
·423	·442	·404	·421	−·002	82	51	38	58	+1	1·2	1·6	1·4	−0·2	43		6	8	3				1	N 79° E	S 54° E	23	55	46°	86	0	0	Hyderabad. †	29
																															XIII.—Mysore.	
·435	·451	·391	·430	+·022	90	57	40	64	+2	2·1	2·0	2·1			2	17	31	7	2	1	1	1	N 81° E	N 88° E	74	78	162°	127	0·95	0·80	Bangalore.	30
·425	·453	·334	·408	−·015	80	52	33	57	−1	2·1	2·8	3·0	0		1	15	29	12	3		2		N 89° E	N 83° E	74	81	189°	211	0·09	0·09	Mysore.	
																															XIV.—Madras.	
·530	·562	·496	·529		88	59	43	63		3·0	4·9	4·0		21	2	4	6	13	2	6	5	3	S 38° E		18		41°		0·88	0·47	Periyakulam.	32
·646	·651	·565	·621		95	67	49	70		4·4	4·7	4·6		1	4	51	3	3					N 47° E		90		221°		0·19	0·15	Pudukkottai.	
·644	·710	·683	·697	+·012	97	70	64	80	+1	2·8	2·2	2·5	−1·6		3	38	14	7					N 61° E	N 51° E	84	76	138	127	0·11	0·05	Madras.	
																															Stations in the Bay.	
·716	·781	·773	·775	−·032	80	72	66	76	−3	2·5	5·1	4·3	+0·7		2	13	5	16	4	2	5	3	N 62° E	N 39° E	24	76	127°	156	4·36	2·04	Port Blair.	1
																															Kashmir.	
·159	·194	·267	·207	+·049	85	79	79	85 ‖	+1	6·1	6·2	6·5	−0·7	15	7	4	1	9	3	3	1	14	N 40° W	S 21° E	7	4	69°	74	2·01	0·54	Srinagar.	14
·059	·096	·096	·080	+·016	77	70	67	72	+10	7·3	7·1	7·2	+0·4			1		2	51	6	1	1	S 4° W	S 13° W	39	32	34	24	1·62	0·42	Leh.	
																															Baluchistan.	
·141	·143	·132	·147	−·017	79	40	30	54	−16	3·0	2·6	2·3	−1·8	33	4			2	1	3	8	11	N 66° W	N 84° W	39	28	34°	70	0·04	0·04	Quetta.	16

† Wind observations 1 less. ‖ Mean of three previous columns. * Corrected.

Table

Abstract of observations taken at 10 hrs. and 16 hrs., at 36 stations

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure.						Temperature of air.										Temperature, wet-bulb.			
			Mean of 10 hrs.	Mean of 16 hrs.	Mean daily range.	Mean of daily mean pressures.	Departure from normal.	Mean reduced to sea-level and gravity 45° Lat.	Mean maximum.	Mean minimum.	Mean daily range.	Highest maximum.	Lowest minimum.	Absolute range.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of three previous columns.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	Hill Stations excluding Kashmir and Baluchistan.																					
	Simla . . .	7,224	23·145	23·088	·059	23·106	+·001	23·068	50·7	40·2	10·5	60·8	30·5	30·3	47·0	47·1	44·8	+6·0	34·3	38·8	39·8	37·5
	Sarain . . .		·211	·139	·072	·163			50·5	32·2	18·3	65·2	24·7	40·5	41·3	41·7	40·7			36·4	37·5	
	Kalabagh . .													Observations not received.								
	Chakrata . .	7,022	·337	·276	·061	·294	+·005	·254	56·1	39·3	16·8	67·3	29·7	37·6	47·9	49·2	47·0	+4·3	34·8	40·7	42·9	39·5
	Muktesar . .	7,556	22·922	22·851	·071	22·877		22·835	54·6	40·2	14·4	64·9	29·1	35·8	48·5	50·9	46·7		33·3	39·3	41·6	38·1
	Katmandu . .	4,388	25·746	25·619	·127	25·677	†−·010	25·631	66·4	37·1	29·3	70·1	30·8	39·3	49·2	53·5	51·1	†+1·5	35·7	45·3	51·9	44·3
	Darjeeling . .	7,376	23·039	23·002	·037	22·992	−·019	22·970	50·5	37·9	12·6	56·3	33·2	23·1	46·2	48·5	43·5	+3·4	35·3	42·5	45·0	40·9
	Pachmarhi . .	3,528	26·572	26·475	·097	26·516	−·011	26·463	73·1	46·4	26·7	79·7	37·3	42·4	66·0	70·5	59·1	+0·4	40·4	52·7	55·1	49·4
	Mount Abu . .	3,945	·161	·084	·077	·114	−·001	·064	68·1	54·2	13·9	74·0	45·4	28·6	64·3	65·6	60·4	+2·2	46·3	48·8	51·5	48·8
	Chikalda . .	3,612	·458	·356	·102	·399	−·038	·343	74·8	54·8	20·0	81·7	50·2	31·5	66·1	71·7	64·1	+0·1	48·8	54·5	56·9	53·4
	Ootacamund .	*7,329*	23·104	23·034	·070	23·063		22·999	65·9	41·8	24·1	70·5	32·1	38·4	61·7	60·6	53·1		37·2	49·3	51·4	46·0
	Kodaikanal . .	7,688	22·872	22·803	·069	22·838		·773	62·8	46·3	16·5	70·4	40·8	29·6	58·1	58·0	54·6		40·6	49·8	52·0	47·5
	Dodabetta . .	8,539?	·072	·015	·057	·044		21·681	58·9	44·6	14·3	68·4	33·2	35·2	54·9	54·0	51·7		40·7	46·1	47·7	44·8
	Extra India.																					
	Minicoy . .	7	30·000	29·924	·076	29·965		29·989	85·7			89·3			83·3	82·5				75·8	75·1	
	Zanzibar . .	72	29·930	·816	·114	·876	+·022	·875	84·7	78·7	6·0	87·0	75·1	11·9	82·2	84·4	80·7	−1·2	74·5	77·6	77·6	76·6
	Diego Garcia .													Observations not received.								
	Seychelles . .	15	·971	·887	·084	·940	+·015†	·879	82·2	76·6	5·6	84·6	74·2	10·4	80·3	80·7	78·2	−0·3†	72·4	75·8	76·0	74·7
	Mauritius . .	181				·833	+·072	·960				88·6	66·0	22·6			76·6	−2·3				70·9

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

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

—concluded.

India, etc., for January, 1907—concluded.

Vapour tension in inches of mercury.					Humidity.					Cloud.				Wind direction.										Wind steadiness.		Wind velocity.		Rainfall.		Station.	Number of subdivision.
														Total number of 10 hrs. and 16 hrs. winds from																	
From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean 10 hrs.	Mean 16 hrs.	Mean of two previous columns.	Departure from normal.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Mean wind direction.	Normal mean wind direction of month.	Average percentage.	Normal percentage.	Mean velocity in miles, per diem.	Normal.	Total rainfall for the month.	Heaviest rainfall during the month.		
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
																									%	%					Hill Stations excluding Kashmir and Baluchistan.	
·140	·143	·171	·159	+·008	58	46	54	57	− 4	4·2	7·0	5·6	0	6	20	1		5	26	2		2	S 9° E	S 15° E	14	20	150*	120	3·37	2·04	Simla.	
	·168	·184				66	70			4·5	6·0	5·3		20	4		1		23	7	7		S 24° W		42		62*		3·74§	2·40§	Sarain.	
										Observation is not received.																					Kalabagh.	
·159	·183	·214	·193	+·031	67	56	62	66	0	4·1	5·0	4·6	0	23	13	2	2	8	13	1			S 60° E	S 51° W	16	6	104*	137	2·49	2·01	Chakrata.	
·124	·148	·171	·156		50	45	47	51		4·1	5·2	4·7		13			7	5	2	4	30	1	S 71° W		39		203*		1·18	0·69	Muktesar.	
·195	·262	·257	·246	−·007	87	74	44	72	− 5	1·3	2·2	1·8	−1·6	15	3		9	3	2		30		S 87° W	N 78° W	31	46	16	21	0·16	0·16	Katmandu.	
·182	·237	·266	·236	+·026	79	75	78	81	− 4	5·7	6·5	6·1	+0·4	8	1	2	1	2	1	20	10	17	S 86° W	N 81° W	52	20	86*	89	0·23	0·12	Darjeeling.	
·186	·227	·260	·238	−·055	59	39	36	53	−10	1·3	1·0	1·2	−1·2	1	8	5	9	6	2	4	10	17	N 30° W	N 75° W	27	10	70*	84	0·52	0·52	Pachmarhi.	
·227	·170	·223	·214	+·007	54	29	35	47	− 2	1·1	1·3	1·2	−1·2		7	6	2	2	2	2	8	15	N 80° W	N 61° W	91	12	158*	125	0·21	0·21	Mount Abu.	
·280	·297	·296	·298	−·016	65	47	39	58	0	1·4	1·2	1·3	−0·7	32	6			2		16		6	S 80° W	S 44° W	23	21	161*	132	0·04	0·04	Chikalda.	
·183	·222	·285	·239		66	42	55	55		1·7	3·3	2·5			6	10	15	13	4	6	4	4	S 86° E		32		93*		0·16	0·06	Ootacamund.	
·207	·275	·329	·270		64	59	70	64		2·9	5·2	4·1			7	7	13	12	8		1	13	N 74° E		27		261		0·97	0·84	Kodaikanal.‡	
·216	·224	·270	·236		72	53	66	64		2·1	4·1	3·1			8	5	18	12	6	4	3	6	S 86° E		32		396*		0·34	0·21	Dodabetta.	
																															Extra India.	
	·793	·773				70	70			3·4	4·3	3·9			23	26	5	2	1	2		3	N 29° E		72		87*		2·39	0·62	Minicoy.	
·802	·838	·848	·856	−·006	81	81	72	79	+ 2	6·8	8·5	6·2	+1·5		16	18	6	4	7	7	1	3	N 40° E	N 33° E	34	70	131*	187	4·84	0·69	Zanzibar.	
										Observation is not received.																					Diego Garcia.	
·746	·837	·843	·827	−·006	81	80	80	83	− 1	6·5	7·7	7·1	+0·1†	14	8	4	2				2	32	N 30° W	N 39° W	63	61	150	147	19·96	5·40	Seychelles.	
			·660	−·077				72	− 3			6·2	−0·2										N 89° E	S 86° E			188	266	1·72	0·71	Mauritius.	

*Corrected. § Snow water. † Departures from old normals.
‡ Wind variable 1.

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Table B.—Abstract of observations taken at 8 hrs., at 234 stations in India, etc., in January, 1907.

Provincial data based on the material in Table B except that the statement of rainfall depends on the complete data of about 2,500 stations.

	Pressure departure from normal.	Temperature of air.								Wind.		Hygrometry.				Cloud.		Rainfall.		
		Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean and maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Absolute range during month.	Departure of velocity from normal.	Departure of steadiness from normal.	Mean humidity.	Departure from normal.	Mean vapour tension.	Departure from normal.	Mean cloud amount.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.
ma	—·003	83·8	—0·3	61·1	+3·1	72·5	+1·4	22·7	32·6	—0·3	— 9	86	+2	·544	+·040	2·2	+0·4	0·37	0·08	+0·29
tern Bengal and Assam	—·035	77·4	+2·3	54·3	+2·7	65·9	+2·5	23·1	33·2	—0·3	— 1	90	0	·454	+·039	3·2	+1·4	1·24	0·61	+0·63
gal	—·032	79·0	+1·6	54·4	+1·5	66·7	+1·5	24·6	37·9	+0·2	— 5	81	+2	·409	+·025	1·8	+0·4	0·04	0·50	—0·46
ted Provinces of Agra and Oudh	—·035	74·9	+2·6	49·7	+2·5	62·3	+2·6	25·3	39·4	—0·9	—10	83	+4	·345	+·040	2·2	—0·2	0·43	0·82	—0·39
jab	—·036	71·0	+3·2	46·9	+4·2	59·0	+3·7	24·1	39·6	+0·2	0	83	+4	·309	+·054	2·8	—1·1	0·90	1·09	—0·19
h-West Frontier Province	—·051	70·0	+3·7	44·7	+4·7	57·3	+4·2	25·3	38·9	—0·9	—22	80	+9	·252	+·047	3·7	—0·4	1·52	1·37	+0·22
	—·039	80·3	+4·6	53·7	+4·0	67·0	+4·3	26·7	44·3	—2·0	—10	68	+6	·338	+·070	1·6	—1·4	0·01	0·28	—0·27
utana	—·028	79·4	+4·7	50·6	+3·6	65·0	+4·2	28·8	45·2	+0·4	+ 4	60	—2	·271	+·027	2·2	—0·5	0·28	0·33	—0·05
bay	—·010	85·5	+1·2	59·9	+1·5	72·7	+1·4	25·6	38·5	—0·2	— 1	64	+3	·424	+·035	1·4	+0·3	0·03	0·09	—0·06
ral India	—·030	78·6	+1·8	49·1	+0·8	63·9	+1·4	29·5	43·9	—1·2	— 1	67	+1	·296	+·006	2·7	+1·1	0·17	0·46	—0·29
ral Provinces	—·018	82·2	+1·0	53·2	+0·2	67·7	+0·6	29·0	44·4	—0·4	— 2	62	+1	·320	—·005	1·4	+0·1	0·17	0·41	—0·24
erabad	—·014	89·9	—0·6	59·8	+1·1	72·4	+0·2	25·1	39·6	—2·2	+14	63	—1	·430	+·005	1·6	+0·1	0·04	0·08	—0·04
ore	—·010	82·4	0	58·5	+0·7	70·5	+0·3	23·9	36·1	—0·8	—12	75	+5	·483	+·017	2·5	+0·1	0·29	0·17	+0·12
ras	—·010	85·5	0	67·2	+0·6	76·3	+0·3	18·4	28·9	+0·2	— 3	80	+2	·641	+·020	2·3	0	0·19	0·45	—0·26

Table

Abstract of observations taken at 8 hrs., at 234 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
	I.—Burma.																						
2	Mergui	119	29·896	+·022	29·948	29·960	4th	29·857	28th	·103	75·0	88·2	+0·1	68·7	+1·8	78·5	+1·0	19·5	90·9	18th, 20th & 27th.	60·8	8th	30·1
	Tavoy	19	30·021	+·019	29·972	30·083	4th	29·989	27th	·091	67·8	88·7	−0·8	63·7	−0·5	76·2	−0·7	25·0	93·0	18th	55·8	8th	37·2
	Moulmein	94	29·945	+·012	29·978	30·023	4th	29·878	27th	·145	69·4	88·1	−0·3	65·8	+0·6	77·0	+0·2	22·3	92·5	26th	59·9	13th	32·6
	Rangoon	36	29·992	−·007	29·966	30·069	5th	29·921	27th	·148	69·0	88·3	−0·8	66·6	+2·4	77·5	+0·8	21·7	93·1	26th	61·8	10th	31·3
	Bassein	27?	30·005	+·003	29·970	30·090	5th	29·946	27th	·144	67·9	86·2	+0·5	65·3	+3·6	75·8	+2·1	20·9	89·7	3rd	61·0	6th & 9th.	28·7
	Diamond Island	41	29·982	−·005	29·958	30·047	5th	29·938	27th	·109	77·1	83·8	−0·2	73·9	+2·9	78·9	+1·4	9·9	86·9	2nd	71·2	19th	15·7
	Toungoo	183	29·847	+·002	29·979	29·925	6th	29·757	27th	·168	65·2	84·1	−1·2	61·4	+3·8	72·8	+1·3	22·7	88·3	3rd	55·6	8th & 19th.	32·7
	Akyab	20	30·007	−·027	29·970	30·078	5th	29·916	28th	·162	65·6	80·9	−0·5	64·1	+4·8	72·5	+2·2	16·8	83·9	29th	59·6	23rd	24·3
3	Thayetmyo	121	29·918	−·002	29·985	29·995	5th	29·811	27th	·184	65·5	87·3	+1·4	58·9	+5·4	73·1	+3·4	28·4	91·5	27th	51·9	26th	39·6
	Minbu	*165*	29·852	−·035	29·968	29·944	5th	29·717	27th	·227	65·9	85·5	−0·2	61·2	+5·1	73·4	+2·5	24·3	92·2	29th	52·5	26th	39·7
	Yamethin	657	29·348	−·014	29·982	29·431	4th	29·224	27th	·207	65·4	85·6	−1·6	60·1	+5·5	72·9	+2·0	25·5	89·8	3rd	55·7	26th	34·1
	Mandalay	250	29·781	−·002	29·991	29·874	5th	29·685	28th	·229	64·5	86·7	+2·6	60·2	+4·2	73·5	+3·4	26·5	90·0	29th	56·2	14th & 20th.	33·8
	Monywa	*280*	29·783		30·002	29·889	4th	29·645	27th	·254	63·2	83·9		59·8		71·9		24·1	87·8	28th	51·1	20th	33·7
	Lashio	*2,751*	27·199	−·022	27·145	27·300	5th	27·051	27th	·249	53·3	74·2	−0·9	48·4	+3·4	61·3	+1·3	25·8	78·6	12th	42·0	14th	36·6
	Bhamo	*331*	29·675	+·015	30·037	29·776	5th	29·492	27th	·284	53·4	74·7	−2·5	48·8	+0·3	61·8	−1·1	25·9	78·8	4th	42·2	20th & 21st.	36·6
	Myitkyina	458	29·570		30·015	29·687	4th	29·381	27th	·306	56·8	75·2		50·9		63·1		24·3	79·3	4th & 8th.	45·1	19th & 20th.	34·2
	II.—Eastern Bengal and Assam.																						
4	Dibrugarh	353	29·696		30·033	29·803	5th	29·468	27th	·335	52·3	73·0		49·6		61·3		23·4	76·4	19th	42·9	1st	33·5
	Sibsagar	333	29·726*	−·043*	30·038*	29·858	4th	29·502	27th	·356	53·5	70·7	+0·6	49·7	+0·2	60·2	+0·4	21·0	79·6	11th	43·2	1st	36·4
	Tezpur	252	29·792		30·019	29·835	5th	29·562	27th	·333	55·3	74·6		53·4		64·0		21·2	81·6	3rd	48·0	5th	33·6
	Gauhati	195	29·865		30·029	29·970	5th	29·633	27th	·337	55·4	75·9		51·6		63·8		24·3	79·6	6th, 10th & 24th.	47·1	1st 5th & 20th.	32·5
	Dhubri	115	29·919	−·145	29·997	30·018	5th	29·710	27th	·308	57·1	75·5	+1·5	54·6	+1·5	65·1	+1·5	20·9	79·6	31st	49·8	1st	29·8
	Silchar	104	29·939	−·041	30·002	30·012	4th	29·762	27th	·250	59·8	80·3	+2·5	55·9	+3·6	68·1	+3·1	24·4	85·4	6th	50·0	3rd	35·4
5	Chittagong	87	29·952	−·024	29·991	30·023	5th	29·831	27th & 28th.	·194	62·2	80·2	+1·9	58·5	+3·2	69·4	+2·6	21·7	83·1	10th	54·9	4 days	28·2
	Neakhali	43	29·990		29·981	30·074	5th	29·849	27th	·225	63·5	78·5		57·0		67·8		21·5	83·6	29th	49·9	3rd	33·9
	Barisal	12	30·027	−·030	29·986	30·115	5th	29·877	27th	·238	61·8	80·3	+2·7	58·0	+3·6	69·2	+2·2	22·3	85·3	28th & 29th.	51·2	4th	34·1
	Comilla	36	30·000		29·985	30·088	5th	29·837	27th	·251	61·7	80·8		56·7		68·8		24·1	84·4	28th & 29th.	50·9	2nd	33·6
	Narayanganj	26	30·019	−·023	29·994	30·107	5th	29·857	27th	·250	61·8	79·3	+1·4	58·0	+2·8	68·7	+2·1	21·3	83·5	28th & 29th.	53·8	5th	29·7
	Faridpur	46	29·994		29·992	30·089	5th	29·827	27th	·262	60·4	79·0		55·1		67·1		23·9	84·4	28th	49·5	3rd	34·9
	Sirajganj	49	29·996		29·999	30·094	5th	29·792	27th	·302	59·2	78·3		55·8		67·1		22·5	84·3	28th	50·9	3rd & 21st.	33·4
	Mymensingh	63	29·979	−·039	29·995	30·071	5th	29·793	27th	·278	60·6	78·5	+3·5	56·4	+3·9	67·5	+3·7	22·1	82·7	28th	52·5	20th	30·2
	Bogra	75	29·954	−·039	29·971	30·040	5th & 12th,	29·752	27th	·288	59·8	78·5	+2·4	55·2	+3·3	66·9	+2·9	23·3	84·2	28th	50·7	3rd & 21st.	33·5
	Rampur Boalia	70	29·973		29·998	30·070	1st	29·765	27th	·305	61·1	77·7		50·3		64·0		27·4	82·6	28th	45·1	1st & 3rd	37·5
	Malda	72	29·960†		29·988†	30·053	1st	29·731	27th	·322	58·7	75·9		52·9		64·4		23·0	81·8	28th	46·8	1st & 3rd,	35·0
	Dinajpur	123	29·907	−·034	29·994	30·004	1st	29·692	27th	·312	56·8	78·1	+2·4	51·6	+2·2	64·9	+2·3	26·5	82·8	28th	44·9	21st & 22nd,	37·9
	Rangpur	123	29·920		30·005	30·012	5th	29·705	27th	·307	58·3	77·5		53·6		65·6		23·9	81·2	28th	47·6	19th, 21st & 22nd.	33·6

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

* Mean of 25 days.

† Mean of 30 days.

NOTE. 2.—The barometrical readings are not reduced to sea-level in the cases of hill or plateau

3.

n India, etc., in January, 1907.

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, mile 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. 1906 to 31st January 1907.	Normal rainfall for period, 1st Dec. to 31st Jan.	Departure from normal of period, 1st Dec. 1906 to 31st Jan. 1907.	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.
17	2	5	1	3	2		1		N 76° E	S 4° W	1·8	2·0	−0·2	20	+ 9	76	− 5	·655	−·055	2·7	−0·3	1	1·40	−0·40	1·38	0·91	+ 0·47	1·38	1·29	+0·09	1·30	Mergui.
31									*	N 9° W	1·3‡	1·2	+0·1	*		88	+ 1	·607	−·038	2·3	+0·3	0	0·20	−0·20	0·03	0·21	− 0·18	0·03	0·27	− 0·24	0·03	Tavoy.
27	2	1			1				N 24° E	N 43° E	1·3	2·4	−1·1	7	−51	86	+ 1	·620	+·018	2·1	+0·8	1	0·40	+0·60	0·14	0·36	− 0·22	0·14	0·41	− 0·27	0·10	Moulmein.
4	11	12	2		1		1		N 27° E	N 29° E	3·2	3·8	+0·6	66	+34	84	+ 1	·597	+·029	2·8	+1·3	0	0·20	−0·20	0·17	0·12	+ 0·05	0·17	0·21	− 0·04	0·09	Rangoon.
19	3	4	1			2	1	1	N 8° E	N 2° W	2·9‡	3·6	+0·7	17	−15	90	+ 3	·621	+·044	1·7	−0·1	1	0·10	+0·90	0·10	0·14	− 0·04	0·10	0·27	− 0·17	0·10	Bassein.
1	6	19	4					1	N 40° E	N 14° E	8·9	7·9	+1·0	99	+18	73	0 ?	·690	+·037	1·3	−1·0	0	0·41	−0·44	0·02	0·21	− 0·19	0·02	0·91	− 0·89	0·02	Diamond Island.
30	1								N	N 9° W	1·1	1·7	−0·6	3	−62	92	+ 4	·583	+·082	2·0	+0·9	3	0·20	+2·80	1·68	0·08	+ 1·60	1·71	0·25	+ 1·46	1·02	Toungoo.
1	9	16	3	1	1				N 39° E	N 21° E	3·0	2·8	+0·2	79	− 8	93	+ 6	·592	+·098	1·1	+0·4	0	0·10	−0·10	0·02	0·06	− 0·04	0·07	0·76	− 0·69	0·02	Akyab.
21	2	2		2	1		1	2	N 10° E	N 11° E	4·3‡	2·8	+1·5	8	−28	81	+ 7	·515	+·098	1·8	+1·2	1	0·10	+0·90	0·72	0·02	+ 0·70	0·79	0·17	+ 0·62	0·72	Thayetmyo.
5	3			2	1		2	18	N 45° W	N 52° W	5·4	5·6	−0·4	59	+11	79	+ 5	·509	+·084	1·9	+1·2	2	0·10	+1·90	0·49	0	+ 0·49	0·62	0·63	− 0·01	0·39	Minbu.
22	3	1		3				2	N 24° E	N 11° W	1·5	2·4	−0·9	10	−16	79	+ 2	·500	+·071	3·1	+2·6	1	0·20	+0·80	0·71	0·08	+ 0·63	0·77	0·57	+ 0·20	0·63	Yamethin.
12	12				7				N	N 13° E	2·2	2·1	+0·1	16	+ 3	85	+ 2	·516	+·057	0·5	−0·6	0	0·10	−0·10	0·15	0·05	+ ·10	0·15	0·34	− 0·19	0·08	Mandalay.
8							7	16	N 59° W		2·3			66		87		·505		0·9		0	0	0	0	0	0	0	0·15	− 0·15	0	Monywa.
23	1		1	1		3		2	S 77° W		3·2‡			7		92	+ 2	·377	+·039	4·0	−0·5	3			1·11	0·39	+ 0·72	1·11	1·05	+ 0·06	0·66	Lashio.
28		3							N 45° E	N 18° W	0·9	2·6	−1·7	10	− 6	96	+ 3	·400	+·017	2·4	−0·7	4	1·20	+2·80	1·36	0·72	+ 0·64	1·36	1·14	+ 0·22	0·58	Bhamo.
1	1	12	15	2					N 72° E		3·9			86		89		·412		4·9		4			0·98			0·98			0·34	Myitkyina.
																																II.—Eastern Bengal and Assam.
21									*		0			*		97		·378		6·8		4	1·00	0	0·70	1·57	− 0·87	0·70	2·33	− 1·63	0·35	Dibrugarh.
10	2	1	1	1	1	1	2	12	N 45° W	N 82° E	1·4	1·8	−0·4	43	+20	96	− 3	·399	−·005	5·1	−0·3	6	3·70	+2·30	2·76	1·31	+ 1·45	2·79	1·88	+ 0·91	1·14	Sibsagar.
26		3	2						N 58° E		3·5			13		93		·397		2·6		6	1·80	+4·20	2·56	0·65	+ 1·91	2·56	1·08	+ 1·48	1·16	Tezpur.
23	3	4			1				N 31° E		1·3			20		97		·430		6·0		4	1·70	+2·30	1·30	0·64	+ 0·66	1·30	0·88	+ 0·42	0·65	Gauhati.
2	1	7	19	1	1				N 80° E	N 55° E	5·8	3·8	+2·0	82	+43	95	+ 4	·450	+·041	2·4	+0·5	0	0·90	−0·90	0	0·43	− 0·43	0	0·50	− 0·50	0	Dhubri.
31									*	S 72° E	0·7	1·7	−1·0	*		86	− 5	·451	+·020	3·6	+0·1	5	1·90	+3·10	6·80	0·72	+ 6·08	6·80	1·18	+ 5·62	3·90	Silchar.
2	6	16	1	6					N 53° E	N 28° E	3·3	3·1	+0·2	66	+11	90	+ 2	·513	+·053	1·2	+0·1	0	0·68	−0·68	0	0·30	− 0·30	0	1·15	− 1·15	0	Chittagong.
24	2	1	1	1		2			N 45° E		1·8			3		90		·539		2·3		0	0·97	−0·97	0	0·44	− 0·44	0	0·82	− 0·82	0	Noakhali.
18	2	1		1	3	2	2	2	N 72° W	N 4° E	1·3	1·7	−0·4	10	− 1	89	+ 2	·552	+·083	0·6	−0·2	0	1·00	−1·00	0	0·67	− 0·67	0	1·27	− 1·27	0	Barisal.
21	1	1		2	3	3			S		2·0			15		93		·517		2·6		0	1·29	−1·29	0	0·54	− 0·54	0	0·76	− 0·76	0	Comilla.
7	3	2	2		2	6	2	7	N 69° W	N 10° W	2·0	2·3	−0·3	27	−12	88	+ 1	·489	+·040	3·6	+2·3	0	1·00	−1·00	0	0·38	− 0·38	0	0·54	− 0·54	0	Narayanganj
16	3				8		1	3	S 45° W		1·8			13		89		·476		1·6		0	0·97	−0·97	0	0·49	− 0·49	0	0·57	− 0·57	0	Faridpur.
25	3				2		1		N 45° W		1·9			3		90		·458		2·5		0	1·07	−1·07	0	0·47	− 0·47	0	0·58	− 0·58	0	Sirajganj.
22	1	3	3	2					N 74° E	N 54° E	0·8	1·3	−0·5	23	− 6	90	− 1	·476	+·056	9·8	+8·3	0	1·00	−1·00	0	0·50	− 0·50	0	0·55	− 0·55	0	Mymensingh.
27	3	1							N 14° E	N 18° W	0·9	1·7	−0·8	12	−21	82	− 3	·429	+·023	1·3	+0·1	0	1·06	−1·06	0	0·57	− 0·57	0	0·59	− 0·59	0	Bogra.
28	2				1				N 45° W		1·0			3		84		·451		2·6		0	0·85	−0·85	0·01	0·35	− 0·34	0·01	0·41	− 0·40	0·01	Rampur Boalia.
8	5	2	1	1	1	2		11	N 29° W		4·4‡			43		88		·441		1·0		0	0·97	−0·97	0	0·68	− 0·68	0·02	0·92	− 0·90	0	Malda.
21	1	2	3				2	2	N 14° E	N 61° W	1·2	2·3	−1·1	13	−23	92	+ 5	·428	+·051	2·8	+1·7	0	0·84	−0·84	0	0·51	− 0·51	0	0·55	− 0·55	0	Dinajpur.
18	1	3	7				1	1	N 60° E		1·1			27		89		·439		3·0		0	0·90	−0·90	0	0·49	− 0·49	0	0·58	− 0·58	0	Rangpur.

‡ Uncorrected readings.

* Indeterminate.

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

Table

Abstract of observations taken at 8 hrs., at 234 stations

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	Jalpaiguri	284	29·756	—·033	30·016	29·857	5th	29·552	27th	·299	56·8	75·9	+3·9	58·5	+2·7	64·7	+3·3	22·4	78·4	7 days	46·6	19th	31·8
	Cooch Behar	156	29·886		30·009	29·988	5th	29·656	28th	·330	56·2	76·5		53·4		65·0		23·1	79·3	6th, 7th & 19th.	48·7	1st, 2nd & 19th.	30·6
	III.—Bengal.																						
6	Saugor Island	25	30·027	—·028	29·997	30·116	1st	29·871	27th	·245	65·2	76·9	+2·3	60·9	+1·7	69·9	+2·0	18·0	84·4	29th	54·4	3rd	30·0
	Midnapore	149	29·889		29·994	29·994	1st	29·729	27th	·265	59·6	83·7		55·2		69·5		28·5	92·3	28th	49·6	3rd & 15th,	42·7
	Calcutta	21	30·026	—·039	29·994	30·123	1st	29·857	27th	·276	61·0	79·6	+2·5	57·4	+2·1	68·6	+2·3	22·2	86·4	28th & 29th.	51·9	2nd & 3rd.	34·5
	Jessore	33	30·013	—·032	29·994	30·129	5th	29·846	27th	·283	63·1	79·0	+1·1	55·7	+2·7	67·4	+1·9	23·3	84·5	28th	48·2	3rd	36·3
	Krishnagar	47	29·981*		29·980*	30·087	5th	29·789	27th	·298	57·8	86·0		54·0		67·1		26·0	87·1	28th	47·9	3rd	39·2
	Burdwan	99	29·942	—·047	29·996	30·049	1st	29·765	27th	·284	60·4	86·0	+2·0	57·7	+2·8	69·3	+2·4	23·1	88·3	28th	52·8	3rd	35·5
	Bankura	313	29·722		30·003	29·828	1st	29·538	27th	·290	61·2	81·2		55·7		68·5		25·5	90·1	28th	50·1	15th	40·0
	Raniganj	334	29·713		30·023	29·818	1st	29·528	27th	·290	57·3	79·9		54·0		67·0		25·9	88·0	28th	49·2	3rd & 14th.	38·8
	Berhampore	67	29·974	—·044	29·994	30·080	1st	29·777	27th	·303	59·7	78·5	+1·7	56·1	+2·7	67·3	+2·2	22·4	84·8	28th	52·2	1st &	32·6
	Naya Dumka	489	29·546		30·025	29·658	1st	29·314	27th	·314	59·2	77·7		52·6		65·2		25·1	84·9	28th	47·0	3rd, 3rd	37·9
7	Balasore	50	30·007	—·028	30·003	30·109	1st	29·842	27th	·267	61·0	82·6	+1·3	56·4	+0·7	69·5	+1·0	26·2	91·9	28th	48·0	15th	43·0
	False Point	21	30·042	—·019	30·006	30·123	1st	29·915	27th	·208	64·4	79·8	+0·7	58·3	0	69·1	+0·4	21·5	88·1	29th	50·1	15th	38·0
	Cuttack	80	29·982	—·022	30·010	30·065	5th	29·846	27th	·219	62·1	82·7	—0·8	59·4	—0·4	71·6	—0·6	24·3	92·4	28th	53·1	15th	39·3
	Puri	24	30·048		30·011	30·125	5th	29·920	27th	·205	67·6	80·7		63·4		72·0		17·3	84·1	30th	56·6	15th & 19th.	27·5
	Angul	455	29·588		30·030	29·672	1st	29·459	27th	·213	60·2	83·0		54·8		68·9		28·2	90·1	28th	47·1	15th	43·0
	Sambalpur	486	29·572	—·016	30·004	29·678	13th	29·436	27th	·240	59·7	81·5	—0·7	53·4	—1·4	67·5	—1·1	26·1	89·1	28th	46·2	19th	42·9
8	Chaibassa	*760*	29·257	—·035	30·016	29·360	1st	29·093	27th	·267	56·0	82·0	+0·9	53·5	+0·4	67·8	+0·7	28·5	89·9	28th & 31st.	46·7	15th	43·2
	Ranchi	2,128	27·868	—·015	30·040	27·964	1st	27·723	27th	·241	58·0	75·6	+1·2	53·2	+2·3	64·4	+1·8	22·4	83·2	31st	45·5	14th	37·7
	Purulia	*816*	29·202		30·015	29·308	13th	29·034	27th	·274	57·6	80·8		54·3		67·6		26·5	90·5	28th	48·1	14th	42·4
	Hazaribagh	2,007	27·981	—·028	30·022	28·079	12th	27·823	28th	·256	60·1	75·4	+2·3	52·9	+2·4	64·2	+2·4	22·5	82·7	31st	45·5	15th	37·5
	Daltonganj	*730*	29·296*		30·040*	29·417	12th	29·129	27th	·288	50·9*	79·7*		45·8*		62·5*		33·9*	89·1	28th	39·5	15th	49·6
9	Purnea	123	29·922	—·032	30·010	30·027	1st	29·673	27th	·354	56·5	77·5	+2·8	50·4	+2·1	64·0	+2·5	27·1	82·7	28th	43·7	21st	39·0
	Bhagalpur	160	29·901		30·022	30·004	1st & 12th.	29·662	27th	·342	62·4	77·8		52·9		65·4		24·9	82·2	28th & 31st.	47·3	3rd & 15th.	34·9
	Monghyr	155							Observatory		not opened.												
	Darbhanga	165	29·880	—·033	30·011	29·988	1st & 5th.	29·628	27th	·358	55·5	78·3	+3·6	52·3	+0·2	64·3	+1·9	24·0	80·1	31st	46·3	20th	33·8
	Pusa	168	29·875		29·989	1st	29·627	27th	·362	55·1			51·4							45·3	20th		
	Muzaffarpur	178	29·872		30·017	29·983	5th	29·630	27th	·353	58·6	75·5		52·2		63·9		23·3	80·1	31st	47·0	2nd & 20th.	33·1
	Motihari	224	29·808		30·008	29·920	5th	29·552	27th	·368	52·4	76·0		49·7		62·9		26·3	81·3	28th	44·2	2nd	37·1
	Chapra	181	29·857		30·006	29·968	5th	29·630	27th	·338	54·9	75·8		51·5		63·7		24·3	83·3	28th	46·2	2nd	37·1
	Patna	183	29·866	—·047	30·014	29·962	1st	29·632	27th	·350	59·3	75·3	+2·3	54·7	+4·5	65·0	+3·4	20·6	82·5	28th	49·4	15th & 16th	33·1
	Arrah	190	29·854		30·010	29·964	13th	29·633	27th	·331	55·4	77·0		51·3		64·2		25·7	83·9	28th	45·6	3rd	38·3
	Buxar	239	29·797		30·008	29·909	12th	29·582	28th	·327	56·8	77·3		52·1		64·7		25·2	85·1	31st	46·4	15th	38·7
	Dehri	351	29·683		30·011	29·801	1st	29·483	27th	·318	58·9	78·5		55·3		66·9		23·2	86·3	31st	48·6	3rd	37·7
	Gaya	375	29·664	—·043	30·017	29·776	1st	29·467	27th	·309	56·5	77·7	+1·8	52·2	+0·6	64·9	+1·2	25·5	84·9	31st	46·4	16th	38·7
	IV.—United Provinces of Agra and Oudh.																						
10	Gorakhpur	257	29·766	—·043	29·998	29·888	5th	29·526	27th	·362	56·1	75·8	+2·9	51·0	+1·8	63·4	+2·4	24·8	81·1	28th	46·1	2nd, 3rd & 19th.	35·0
	Benares	267	29·771	—·043	30·012	29·891	13th	29·579	27th	·312	55·8	76·8	+2·5	49·1	+0·9	63·0	+1·7	27·7	86·0	31st	43·6	15th	42·4
	Allahabad	309	29·724	—·049	30·011	29·861	12th	29·554	27th	·307	54·3	77·7	+3·3	49·2	+1·3	63·5	+2·3	28·5	87·1	31st	42·5	13th	44·6

* Mean of 30 days.

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

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

—continued.

India, etc., in January, 1907—continued.

Wind direction. Number of winds from N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction	Normal direction	Wind velocity. Mean velocity, miles per hour.	Normal.	Departure from normal.	Wind steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st Dec. 1906 to 31st January, 1907.	Normal rainfall for period, 1st Dec. to 31st January.	Departure from normal of period, 1st Dec. 1906 to 31st Jan. 1907.	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
2					1	1	4	N 51° W	N 18° E	1·2			23	−20	87	−4	·410	+·014	2·5	+1·4	0	0·97	−0·97	0	0·50	−0·50	0·05	0·54	−0·49	0	Jalpaiguri.
	2	5						N 81° E		1·3			20		88		·399		2·5		0	0·90	−0·90	0	0·43	−0·43	0	0·51	−0·51	0	Cooch Behar
																															III.—Bengal.
15	4			2	4	2	4	N 17° W	N 13° E	8·3†	7·2	+1·1	56	− 8	91	+1	·570	+·044	3·7	+2·2	0	0·74	−0·74	0	0·21	−0·21	0·02	0·54	−0·52	0	Saugor Island.
9				2	1	1	4	N 29° W		2·2			33		75		·387		1·8		0	0·94	−0·94	0	0·55	−0·55	0	0·75	−0·75	0	Midnapore.
1			1		6	1	10	N 76° W	N 6° W	3·4†	2·6	+0·8	40	+ 8	89	+5	·485	+·047	2·3	+1·2	0	0·78	−0·78	0	0·32	−0·32	0	0·54	−0·54	0	Calcutta
4								N	N 14° W	0·2	1·6	−1·4	13	− 1	82	−5	·477	+·012	1·9	+0·7	0	0·90	−0·90	0	0·46	−0·46	0	0·64	−0·64	0	Jessore.
4					5	6		N 58° W		1·0			43		91		·442		1·1		0	0·81	−0·81	0	0·43	−0·43	0	0·53	−0·53	0	Krishnagar.
5	1	1		3	2	3		N 40° W	N 23° W	1·4	1·6	−0·2	27	+ 1	81	+9	·431	+·062	3·8	+2·3	0	0·81	−0·81	0	0·29	−0·29	0	0·40	−0·40	0	Burdwan.
				1	10	1		W		2·5			37		68		·365		0·5		0	1·06	−1·06	0	0·34	−0·34	0	0·47	−0·47	0	Bankura.
					1	3		N 56° W		0·9			10		78		·370		0·5		0	0·97	−0·97	0	0·43	−0·43	0	0·51	−0·51	0	Raniganj.
3	2	3		2	1	3	4	N 45° W	N 67° W	1·2	1·6	−0·4	20	− 6	86	−2	·446	+·031	1·9	+0·5	0	1·06	−1·06	0	0·41	−0·41	0	0·52	−0·52	0	Berhampore.
1								§		1·3					75		·385		0·4		0	1·17	−1·17	0	0·59	−0·59	0	0·75	−0·75	0	Naya Dumka
1	12			1	4	1	9	N 34° W	N 27° W	2·4	2·8	−0·4	59	+ 9	77	−4	·417	−·025	2·0	+0·5	0	0·61	−0·61	0	0·27	−0·27	0·12	0·45	−0·33	0	Balasore.
5	8	1			4	5	8	N 47° W	N 28° W	4·8	5·9	−1·1	59	− 9	89	+1	·550	+·011	2·2	+0·7	0	0·71	−0·71	0	0·46	−0·46	0·42	1·15	−0·73	0	False Point.
4	1				3	3		S 79° W	N 8° W	1·3†	1·4	−0·1	17	+ 7	87	+9	·495	+·010	1·0	−0·5	0	0·55	−0·55	0	0·16	−0·16	0·05	0·43	−0·38	0	Cuttack.
	22	1			3	1	4	N 12° W		10·0†			79		77		·532		0·4		0	0·43	−0·43	0	0·26	−0·26	0·02	0·91	−0·89	0	Puri.
1		1			1	1	9	18	N 61° W	4·7			79		75		·400		1·2		0			6			0·39			0	Angul.
	2	6	3	16	2	2		S 62° E	N 32° E	4·3	2·6	+1·7	62	−12	73	0	·379	−·026	1·2	−0·1	0	1·00	−1·00	0·02	0·28	−0·26	0·36	0·52	−0·16	0·02	Sambalpur.
29					1	1		S 63° W	S 68° W	?	1·2	?	7	−33	78	+4	·352	−·026	0·3	−1·1	0	1·23	−1·23	0	0·14	−0·14	0·21	0·24	−0·03	0	Chaibassa.
9	1	1		1	1		8	10	N 63° W	N 73° W	7·1	5·2	+1·9	49	+13	62	−1	·297	−·003	1·5	−0·1	0	1·35	−1·35	0·06	0·29	−0·23	0·10	0·38	−0·28	0·05	Ranchi.
5	1					1	18	6	N 78° W		2·2		76		73		·351		1·1		0	1·35	−1·35	0	0·44	−0·44	0	0·62	−0·62	0	Purulia.
7	1			1	4	6	5	7	S 78° W	S 86° W	6·3	5·8	+0·5	43	− 1	61	−3	·316	+·018	1·2	−0·7	0	1·45	−1·45	0·06	0·48	−0·42	0·06	0·68	−0·62	0·04	Hazaribagh.
23			5	1		2		S 63° E		2·2*			13		89*		·335		1·3		0	1·63	−1·63	0·11	0·76	−0·65	0·24	1·05	−0·81	0·04	Daltonganj.
15		5		2		5	2	2	W	S 74° W	1·7	2·1	−0·4	6	−23	94	+3	·431	+·081	1·6	+0·4	0	0·50	−0·90	0	0·47	−0·47	0	0·57	−0·57	0	Purnea.
24				1	1	3	2		S 37° W	1·8			17		72		·406		9·4		0	1·32	−1·32	0	0·55	−0·55	0	0·62	−0·62	0	Bhagalpur.
																	Observatory	not	opened.												Monghyr.
21								§	S 84° W	0·5	2·6	−2·1			94	+8	·419	+·039	1·4	+0·1	0	1·30	−1·30	0	0·62	−0·62	0	0·69	−0·69	0	Darbhanga.
7	2	1	5	2	4	4	5	1	S 11° W				17		88		·386		0·9		0						0			0	Pusa.
21		1	2				3	4	N 37° W	0·8†			17		87		·430		0·9		0	1·33	−1·33	0	0·79	−0·79	0	0·86	−0·86	0	Muzaffarpur
21		2	3	2			3		E	1·5			9		95		·380		5·0		1	1·32	−0·32	0·22	0·59	−0·37	0·22	0·73	−0·51	0·22	Motihari.
31									§	1·0					89		·384		0·6		0	1·48	−1·48	0	0·74	−0·74	0	0·83	−0·83	0	Chapra.
2		3	4	2		3	16	1	S 85° W	S 70° W	4·6	2·4	+2·2	37	−11	79	+2	·404	+·048	1·7	0	0	1·32	−1·32	0	0·56	−0·56	0	0·66	−0·66	0	Patna.
17	1	1		1	1	7	2	1	S 56° W		1·6		27		84		·376		0·8		0	1·58	−1·58	0·02	0·88	−0·86	0·02	1·01	−0·99	0·02	Arrah.
11		1	3	1	1	6	8		S 58° W		4·0		30		77		·358		3·0		0	1·65	−1·65	0·07	0·78	−0·71	0·07	0·98	−0·91	0·05	Buxar.
4					6	16	5		S 43° W		3·0		72		72		·364		2·0		0	1·35	−1·35	0·08	0·59	−0·51	0·08	0·91	−0·83	0·01	Dehri.
20				1	2	3	5		S 50° W	S 16° W	3·3	3·0	+0·3	27	− 5	79	+6	·365	+·020	2·0	+0·3	0	1·32	−1·32	0·04	0·59	−0·55	0·04	0·76	−0·72	0·04	Gaya.
																															IV.—United Provinces of Agra and Oudh.
30							1		W	N 84° W	0·2†	1·6	−1·4	3	−33	83	+1	·379	+·029	1·5	−0·3	1	1·50	−0·50	0·20	0·76	−0·56	0·20	0·90	−0·70	0·20	Gorakhpur.
21			3			5	2		S 36° W	S 49 °W	1·7	2·9	−1·2	23	−12	84	0	·380	+·039	2·0	+0·1	1	1·40	−0·40	0·17	0·67	−0·50	0·17	0·88	−0·71	0·12	Benares.
14		1	2	1		4	9		S 71° W	N 74° W	2·5	3·8	−1·3	27	+ 1	78	−1	·326	+·003	2·3	+0·4	0	1·69	−1·60	0·01	0·76	−0·75	0·01	1·00	−0·99	0·01	Allahabad.

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

† Uncorrected readings.

‡ Mean of 27 days.

§ Indeterminate.

Table

Abstract of observations taken at 8 hrs., at 234 stations

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs. in inches.								Temperature of air.											
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	IV.—United Provinces of Agra and Oudh.																						
	Cawnpore	416	29·621	—·027	30·028	29·756	12th	29·429	28th	·327	53·1	76·2	+2·3	49·7	+2·6	63·0	+2·5	26·5	85·9	27th	44·6	14th	41·3
	Lucknow	368	29·672	—·027	30·027	29·794	12th	29·457	28th	·337	53·6	77·6	+3·6	49·2	+2·5	63·4	+3·1	28·4	84·0	27th	43·1	15th	40·9
	Bahraich	401	29·611	—·041	30·002	29·734	5th	29·376	28th	·358	54·2	75·9	+3·5	50·5	+3·4	63·2	+3·5	25·4	81·6	27th	42·5	2nd	39·1
11	Jhansi	858	29·190	—·024	30·057	29·337	12th	29·038	24th	·299	59·3	79·1	+2·7	55·1	+4·0	67·1	+3·4	24·0	89·2	30th	48·2	15th	41·0
	Agra	556	29·485	—·034	30·043	29·633	12th	29·328	24th	·305	54·0	74·4	+0·9	52·2*	+3·6	63·4*	+2·3	22·2	84·5	30th	46·9	1st & 17th.	37·6
	Mainpuri	516	29·505	—·038	30·017	29·639	1st	29·300	28th	·339	53·3	75·3	+3·6	49·3	+3·1	62·3	+3·4	26·0	85·8	30th	42·3	15th	43·5
	Bareilly	568	29·434	—·043	30·010	29·572	11th	29·201	28th	·371	51·4	73·0	+2·4	48·5	+2·4	60·8	+2·4	24·5	80·3	29th	42·0	3rd, 15th & 16th.	38·3
	Meerut	738	29·273	—·035	30·034	29·415	11th	29·082	28th	·333	50·6	72·5	+2·1	47·8	+2·8	60·2	+2·5	24·7	80·1	30th	39·8	15th	40·3
	Roorkee	899	29·100	—·023	30·036	29·235	11th	28·881	28th	·354	49·9	70·5	+0·9	46·5	+2·1	58·5	+1·5	24·0	76·5	28th	41·2	3rd	35·3
	Dehra Dun	2,233	27·735	—·027	30·047	27·861	5th	27·515	28th	·346	50·4	69·4	+3·2	47·4	+2·6	58·4	+2·9	22·0	75·5	3rd	42·5	13th	33·0
	V.—Punjab.																						
12	Delhi	718	29·308	—·028	30·043	29·449	12th	29·117	28th	·302	53·4	72·5	+1·8	51·0	+3·1	61·8	+2·5	21·5	81·7	30th	45·2	16th	36·5
	Sirsa	662	29·359	—·035	30·039	29·530	12th	29·174	24th	·356	51·4	73·8	+2·8	47·7	+4·6	60·8	+3·7	26·1	82·3	30th	38·0	31st	44·3
	Patiala	*818*	29·184		30·030	29·330	11th	29·021	28th	·309	51·8	70·0		48·5		59·3		21·5	76·8	30th	40·0	31st	36·8
	Ambala	892	29·101	—·026	30·028	29·234	11th	28·924	28th	·310	50·7	71·3	+3·5	46·3	+3·0	58·8	+3·2	25·0	77·5	26th	39·0	15th	38·5
	Ludhiana	812	29·191	—·035	30·033	29·333	11th	29·042	24th	·291	51·3	67·2	?	43·3	+4·0	57·8	?	18·9	73·5	25th	40·6	15th & 31st	32·9
	Lahore	702	29·303	—·046	30·035	29·470	11th	29·144	29th	·326	48·0	71·8	+2·8	45·5	+4·8	58·7	+3·8	26·3	79·3	30th	37·1	31st	42·2
	Sialkot	830	29·180	—·023	30·046	29·339	11th	29·001	29th	·338	50·4	68·5	+2·3	46·3	+3·5	57·4	+2·9	22·2	75·5	30th	37·0	31st	38·5
	Rawalpindi	1,674	28·310	—·036	30·084	28·466	12th	28·080	30th	·386	46·1	64·2	+1·1	43·2	+5·3	53·7	+3·2	21·0	71·9	4th & 29th.	36·0	1st	35·9
13	Khushab	612	29·412*	—·043	30·015*	29·596	12th	29·218	30th	·378	50·8	72·9	+5·3	45·2	+3·9	59·4	+4·6	27·7	81·8	3rd & 4th.	37·4	31st	44·4
	Montgomery	558	29·475	—·033	30·045	29·663	11th	29·247	29th	·416	51·3	74·5	+6·0	45·7	+3·5	60·1	+4·8	28·8	82·8	29th	38·5	31st	44·3
	Multan	420	29·622	—·052	30·041	29·813	11th	29·378	29th	·435	52·3	74·6	+4·4	48·7	+5·4	61·7	+4·9	25·9	80·3	29th	39·0	31st	1·3
	VI.—North-West Frontier Province.																						
15	Peshawar	1,110	28·930	—·047	30·111	29·090	12th	28·714	30th	·376	46·7	65·7	+2·2	44·6	+5·0	55·2	+3·6	21·1	73·7	3rd & 4th.	38·9	17th & 31st.	34·8
	D. I. Khan	590	29·452	—·055	30·044	29·640	11th	29·256	30th	·384	47·3	74·2	+5·1	44·7	+4·3	59·4	+4·7	29·5	81·3	3rd	38·0	31st	43·3
	VII.—Sind.																						
17	Jacobabad	186	29·873	—·045	30·036	30·085	12th	29·662	24th	·423	51·4	78·6	+5·0	47·3	+4·0	63·0	+4·5	31·3	86·1	29th	37·5	30th	48·6
	Hyderabad	96	29·973	—·040	30·030	30·155	12th	29·779	24th	·376	59·1	81·9	+5·1	54·7	+3·6	68·3	+4·4	27·2	91·6	26th	45·5	30th	46·1
	Kurrachee	30	30·049	—·032	30·031	30·215	12th	29·844	24th	·371	62·4	80·5	+3·6	59·0	+4·5	66·8	+4·1	21·5	84·4	3rd	46·2	30th	38·2
	VIII.—Rajputana.																						
18	Bikaner	*771*	29·241	—·047	30·031	29·429	12th	29·036	24th	·393	55·4	76·8	+5·0	52·2	+2·7	64·5	+3·9	24·6	85·2	29th	46·6	15th	38·6
	Jodhpur	782	29·257		30·069	29·415	1st	29·079	24th	·336	57·5	80·4		52·9		66·7		27·5	87·1	28th & 29th.	41·1	31st	46·0
	Pachpadra	*380*	29·670	—·028	30·035	29·843	1st	29·525	24th	·318	55·4	81·5		46·7	+1·6	64·1	?	34·8	89·3	29th	34·2	31st	55·1
	Jaipur	1,431	28·594	—·021	30·071	28·737	1st	28·430	24th	·307	55·6	79·3	+4·7	50·8	+2·8	65·1	+3·8	28·5	87·7	27th	42·5	13th & 15th.	45·2
	Sambhar	1,254	28·766	—·021	30·064	28·916	1st	28·597	24th	·319	53·9	78·4	+4·8	49·3	+3·9	63·9	+4·4	29·1	87·4	27th	42·0	15th & 31st.	45·4
	Ajmer	1,611	28·419	—·023	30·092	28·573	1st	28·263	24th	·310	53·3	78·3	+4·2	50·4	+4·9	64·4	+4·6	27·9	85·4	27th	43·8	14th	41·6
	Kotah	819§	29·200		30·068	29·345	12th	29·050	24th	·295	58·2	80·0		54·2		67·1		25·8	91·9	30th	48·0	15th	43·0
	Udaipur	1,925	28·106		30·090	28·264	13th	27·960	24th	·304	54·7	80·2		48·3§		64·3§		31·9	89·0	27th.	42·2	31st	46·8

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

* Mean of 30 days.

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

§ Mean of 28 days.

—continued.

India, etc., in January 1907—continued.

Wind direction. Number of winds from N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind velocity. Mean velocity miles per hour.	Normal.	Departure from normal.	Wind steadiness. Actual Percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st Dec. 1906 to 31st January 1907.	Normal rainfall for period, 1st Dec. to 31st January.	Departure from normal of period, 1st Dec. 1906 to 31st Jan. 1907.	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
					1			S 45° W	N 79° W	0	3·0	−3·0	3	−29	85	+ 6	·345	+·025	1·1	−0·8	1	1·60	−0·60	0·20	0·68	−0·48	0·20	0·85	− 0·65	0·20	Cawnpore.
	1				1	3	1	N 79° W	N 84° W	0·9†	2·2	−1·3	13	−16	82	0	·340	+·026	1·6	−0·9	0	1·90	−1·90	0	0·96	−0·96	0	1·34	− 1·34	0	Lucknow.
1	1	1	2		2	1	3	N 8° W	N 45° W	2·0	2·2	−0·2	3	−20	87	0	·372	+·034	2·4	+1·0	0	1·90	−1·90	0·01	0·92	−0·91	0·01	1·26	−1·25	0·01	Bahraich.
					3	2		S 62° W	N 68° W	1·0	2·1	−1·1	13	− 5	73	+11	·372	+·078	2·4	+0·6	1	1·20	−0·20	0·45	0·62	−0·17	0·45	0·86	− 0·41	0·35	Jhansi.
			10		13		2	S 13° W	N 59° W	4·1	3·6	+0·5	53	+21	76	+ 4	·320	+·039	2·1	−0·5	1	1·20	−0·20	0·32	0·53	−0·21	0·50	0·82	− 0·32	0·27	Agra.
		2	3	2	2	6	4	S 56° W	N 59° W	1·7	1·6	+0·1	23	− 5	82	+ 6	·335	+·050	2·8	+0·2	1	1·50	−0·50	0·22	0·73	−0·51	0·26	1·07	− 0·81	0·22	Mainpuri.
1						2		N 63° W	N 45° W	1·2	2·2	−1·0	7	−18	89	+ 6	·343	+·046	2·7	0	1	2·36	−1·36	0·53	1·05	−0·52	0·73	1·38	− 0·65	0·53	Bareilly.
			1			8		S 84° W	S 88° W	0·8	2·0	−1·2	23	−12	87	+10	·325	+·062	2·5	−0·6	1	2·30	−1·30	0·89	1·35	−0·46	1·64	1·83	−0·19	0·89	Meerut.
			1			1	6	N 52° W	N 53° W	2·0	2·1	−0·1	23	+ 7	92	+ 7	·331	+·054	1·9	−1·1	1	2·80	−1·80	1·21	1·68	−0·47	1·89	2·29	− 0·40	1·21	Roorkee.
								‡	S 45° E	0·8†	1·6	−0·7			80	+ 1	·295	+·032	3·6	−1·1	2	3·50	−1·50	2·61	2·38	+0·23	3·51	3·18	+ 0·33	1·84	Dehra Dun.
																															V.—Punjab.
1	3	1	6	1		13	2	S 84° W	S 87° W	3·7	2·9	+0·8	23	−12	83	+15	·340	+·081	2·9	−0·7	2	2·40	−0·40	0·78	1·23	−0·45	1·26	1·76	−0·50	0·63	Delhi.
		1	2			3	2	W	N 36° W	1·4	3·4	−2·0	6	− 5	81	+ 5	·308	+·057	3·5	−0·7	1	1·50	−0·50	0·10	0·84	−0·74	0·66	1·15	−0·49	0·10	Sirsa.
2	1	5	5	2		2	8	N 34° E		4·3			13		87		·340		3·5		5			2·55			2·70			1·12	Patiala.
			2				5	N 45° W	N 45° W	2·3	1·9	+0·4	10	− 8	86	− 1	·321	+·037	3·3	−0·1	3	2·80	+0·20	0·60	1·62	−1·02	0·70	2·44	−1·74	0·30	Ambala.
4	2	1	1			3	6	N 26° W	N 59° W	2·0	1·7	+0·3	33	+14	88	+ 6	·338	+·065	2·1	−2·4	3	2·60	+0·40	1·30	1·84	−0·54	2·74	2·62	+0·12	0·76	Ludhiana.
		1	6			4		S 16° E	N 88° W	2·2	1·7	+0·5	13	+10	89	+ 7	·307	+·052	3·7	−0·3	2	1·90	+0·10	0·72	1·12	−0·40	0·97	1·50	−0·53	0·58	Lahore.
	3	5	1				2	N 57° E	N 49° E	1·5	1·3	+0·2	17	+ 9	84	+ 2	·313	+·044	2·7	−0·7	1	3·40	−2·40	0·55	2·51	−1·96	2·75	3·03	−0·28	0·24	Sialkot.
	1	1					2	N 9° E	N 40° W	1·7	2·0	−0·3	6	− 8	88	+ 4	·279	+·049	5·2	+0·5	4	4·20	−0·20	4·14	2·74	+1·40	5·21	3·48	+1·73	1·94	Rawalpindi.
3	4	1	1	1	3	3	1	N 26° W	N 18° E	4·2	2·9	+1·3	10	− 1	74	+ 4	·280	+·067	1·0	−2·2	1	1·50	−0·50	0·11	0·82	−0·71	0·24	1·36	−1·12	0·10	Khushab.
4	5	5	4	2	2	4		N 78° E	N 18° E	4·7	3·4	+1·3	20	+ 6	72	− 3	·275	+·029	1·9	−1·9	0	1·30	−1·30	0	0·8.	−0·84	0·22	1·26	−1·04	0	Montgomery.
4	2		3				1	N 35° E	N 45° E	1·1	1·3	−0·2	17	− 6	76	+ 5	·302	+·058	1·0	−2.2	0	1·10	−1·10	0	0·45	−0·45	0·40	0·64	−0·24	0	Multa n.
																															VI.—North West Frontier Province.
1				4	2		2	S 43° W	S 18° W	0·9	2·5	−1·6	13	−26	79	+ 6	·237	+·033	4·7	0	3	2·90	+0·10	1·57	1·60	−0·03	3·03	1·93	+1·10	0·82	Peshawar.
	1				1		2	N 45° W	N 37° W	?	1·4	?	3	−15	80	+11	·266	+·061	2·6	−0·7	0	1·40	−1·40	0·03	0·44	−0·41	0·24	0·65	−0·41	0·03	D. I. Khan.
																															VII.—Sind.
1	3		5	1	1		3	E	N 22° E	2·5	2·2	+0·3	9	− 9	66	+ 4	·254	+·036	1·4	−2·1	0	1·00	−1·00	0	0·27	−0·27	0	0·36	−0·36	0	Jacobabad.
8	1			2	4	1	8	N 42° W	N 7° E	6·2	7·0	−0·8	46	− 5	70	+12	·362	+·104	0·9	−2·3	0	0·70	−0·70	0	0·24	−0·24	0	0·29	−0·29	0	Hyderabad.
2	17	1				3	3	N 26° E	N 50° E	6·7	9·2	−2·5	59	−15	67	+ 3	·399	+·070	2·6	+0·1	0	1·10	−1·10	0	0·66	−0·66	0	0·79	−0·79	0	Kurrachee.
																															VIII.—Rajputana.
		3	7	7	5	3	1	S 28° E	N 22° W	4·5	3·7	+0·8	49	+27	62	+ 5	·280	+·051	2·9	−0·4	0	1·10	−1·10	0	0·39	−0·39	0·25	0·56	−0·31	0	Bikaner.
5	8		3		2	1	1	N 31° E		3·2			33		49		·239		2·9		0	0·90	−0·90	0·07	0·23	−0·16	0·18	0·38	−0·20	0·07	Jodhpur.
4	7	7	3	2	3	2	3	N 58° E		5·2	4·1	+1·2	30		57	− 4	·266	+·028	1·3	−1·7	0	1·00	−1·00	0	0·38	−0·38	0·08	0·50	−0·42	0	Pachpadra.
4	5	3			1	2	4	N 6° E	N 6° E	3·3†	3·3	0	33	+ 4	60	− 6	·270	+·005	2·5	−0·6	0	1·50	−1·50	0·07	0·60	−0·53	0·21	0·79	−0·58	0·06	Jaipur.
1	1	3	1	1		2		E	N 24° E	3·3†	4·1	−0·8	8	− 6	66	0	·279	+·036	2·4	−0·3	1	1·10	−0·10	0·20	0·39	−0·19	1·00	0·74	+0·26	0·11	Sambhar.
		2		3		2	1	6 N 56° W	N 9° W	3·0	2·2	+0·8	10	− 8	68	− 5	·279	+·015	3·1	+0·6	0	1·30	−1·30	0	0·44	−0·44	0·25	0·71	−0·46	0	Ajmer.
		1				3		S 45° W		1·0			3		60		·293		1·6		2	0·70	+1·30	0·28	0·15	+0·13	0·28	0·44	−0·16	0·13	Kotah.
1							3	N 34° W		2·3			13		61		·265		1·0		0	0·30	−0·30	0			0·01			0	Udaipur.

† Uncorrected readings.

‡ Indeterminate.

Tabl

Abstract of observations taken at 8 hrs., at 234 station

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean, between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	IX.—Bombay.																						
20	Deesa	466	29·576	−·020	30·026	29·700	1st	29·439	24th	·261	58·3	86·9	+3·8	50·4	−1·1	68·7	+1·4	36·5	93·8	28th	36·4	31st	57·4
	Bhuj	395	29·665	−·012	30·034	29·774	2nd	29·519	24th	·255	63·2	83·9	+3·5	57·0	+2·6	70·4	+3·1	26·9	91·1	28th	49·0	31st	42·1
	Jamnagar	61	30·004		30·010	30·107	2nd	29·890	24th	·217	60·2	83·0		56·7		69·8		26·3	89·0	25th	50·3	16th	38·7
	Dwarka	37?	30·036		30·020	30·136	2nd	29·916	24th	·220	69·1	79·2		63·6		71·4		15·6	86·8	3rd	56·6	17th	30·2
	Rajkot	429	29·622	−·008	30·024	29·727	2nd	29·530	24th	·197	63·5	86·3	+2·3	54·4	+3·3	70·4	+2·8	31·9	92·9	28th	45·0	31st	47·9
	Veraval	*18*	30·033	−·008	29·993	30·098	2nd	29·969	7th	·129	66·3	82·3*	+0·8*	61·9	+3·1	72·0*	+2·0	20·4	89·7	6th	53·8	16th	35·9
	Bhavnagar Para	55	30·011	P	30·010	30·105	2nd	29·930	24th	·175	62·3	86·9	P	55·6	P	71·2	P	31·3	94·1	26th	48·5	19th	45·6
	Surat	39	30·004	−·008	29·989	30·088	2nd	29·919	28th	·169	64·6	88·6	+1·7	59·9	+3·4	74·3	+2·6	28·7	96·2	29th	54·0	17th	42·2
	Ahmedabad	163	29·896	−·012	30·016	30·006	2nd	29·801	24th & 28th.	·205	64·3	86·8	+2·8	59·1	+2·1	73·0	+2·5	27·7	94·6	28th	50·7	31st	43·9
26	Bombay	37	29·992	−·019	29·970	30·050	2nd	29·916	28th	·134	72·3	85·0	+2·4	70·2	+2·3	77·3	+2·4	14·8	89·0	2nd	66·5	11th, 17th & 25th.	22·5
	Ratnagiri	110	29·839	−·010	29·952	29·943	15th	29·838	28th	·105	72·0	87·3	−0·4	67·4	+1·2	77·4	+0·4	19·9	93·8	2nd	62·9	4th & 11th.	30·9
	Goa	199	29·808	P	29·949	29·847	15th	29·764	7th	·083	72·9	84·8	−2·1	69·9	+2·1	77·4	0	14·9	89·0	2nd & 4th.	66·0	25th	23·9
	Mormugao	60	29·956	−·003	29·952	30·002	16th	29·909	27th	·093	72·0	84·9	−0·9	70·4	+1·5	77·7	+0·3	14·5	89·0	2nd	67·8	11th, 16th & 17th.	21·9
	Karwar	44	29·972	−·007	29·951	30·008	16th	29·920	28th	·088	68·8	87·1	+0·2	66·0	+0·5	76·6	+0·4	21·1	90·3	2nd	63·0	5 days	27·3
27	Malegaon	1,430	28·588	−·027	30·035	28·694	2nd	28·509	9th	·185	61·0	88·0	+2·4	52·9	+1·0	70·5	+1·7	35·1	94·9	24th	44·7	19th	50·2
	Ahmednagar	2,154	27·884	+·008	30·057	27·965	1	27·814	9th	·151	62·7	85·9	+1·9	53·6	+2·9	69·8	+2·4	32·3	92·4	30th	47·1	21st	45·3
	Poona	1,846	28·158	−·002	30·053	28·257	1st	28·115	9th	·152	61·9	87·3	+1·4	52·9	−1·4	70·1	0	34·4	93·0	24th, 28th & 30th.	45·8	25th	47·2
	Sholápur	1,590	28·430	−·016	30·018	28·507	1st	28·358	9th	·149	67·6	88·2	+0·5	59·3	+1·1	73·3	+0·8	28·9	94·7	26th	51·1	4th	43·6
	Bijapur	*1,948*	28·070	−·006	30·012	28·152	1st	28·018	31st	·134	67·6	85·3	+0·1	59·5	+0·9	72·4	+0·5	25·8	91·2	4 days.	54·2	4th & 17th.	37·1
	Belgaum	2,539	27·466	−·009	29·993	27·527	1st	27·414	9th	·113	65·9	83·0	−0·5	57·4	−0·1	70·2	−0·3	25·6	88·8	28th	50·4	18th	38·4
	X.—Central India.																						
21	Neemuch	1,624	28·403	−·013	30·074	28·527	1st	28·262	24th	·265	56·5	80·3	+2·7	49·3	+0·6	64·8	+1·7	31·0	89·0	27th	43·8	17th	45·5
	Indore	1,823	28·209	P	30·072	28·321	1st	28·106	9th	·215	58·8	80·8	+1·4	50·4	+0·6	65·6	+1·0	30·4	87·1	27th, 29th & 30th.	44·1	19th	43·2
22	Nowgong	757	29·275	−·041	30·045	29·422	12th	29·128	24th	·294	53·0	75·7	+0·6	48·3	+1·3	62·0	+1·0	27·4	85·5	29th & 30th.	42·0	1st	43·7
	Sutna	1,040	28·976	−·036	30·045	29·103	12th & 13th.	28·834	24th	·269	53·9	77·7	+2·6	48·4	+0·8	63·1	+1·7	29·3	85·9	27th 30th, & 31st.	42·2	4 days	43·7
	IX—Central Provinces.																						
23	Buldana	2,132	8 hrs. data not available.																				
	Akola	990	29·101	−·018	30·033	29·197	2nd	29·002	28th	·195	61·1	86·7	+1·5	54·1†	+0·7	70·3†	+1·1	32·6	94·3	28th & 30th.	46·9	19th, 20th & 22nd.	47·4
	Amraoti	1,215	28·815	−·007	30·031	28·903	1st	28·708	30th	·195	64·7	86·1	+1·5	58·3	+0·5	72·2	+1·0	27·8	94·2	29th	52·8	20th	41·4
24	Khandwa	1,044	28·979	−·022	30·038	29·078	1st	28·879	9th	·199	58·4	86·0	+2·1	52·4	+0·6	69·2	+1·4	33·6	93·2	30th	44·1	19th	49·1
	Hoshangabad	1,006	29·032	−·019	30·060	29·151	1st	28·911	9th	·240	55·9	80·9	+0·6	50·8	−1·5	65·9	−0·5	30·1	89·5	28th & 29th.	43·3	3rd	46·2
	Saugor	1,807	28·209	−·021	30·050	28·380	1st	28·091	24th	·239	59·5	77·9	+1·0	55·0	+3·2	66·5	+2·1	22·9	85·1	30th	48·0	18th	37·1
	Jubbulpore	1,327	28·694	−·023	30·063	28·807	1st	28·564	31st	·243	53·0	78·7	+1·1	47·5	−0·5	63·1	+0·3	31·2	87·4	28th	40·3	15th	47·4
	Seoni	2,033	27·990	−·012	30·061	28·086	1st	27·866	31st	·220	58·8	80·4	+1·2	52·5	+1·2	66·5	+1·2	27·9	88·3	25th 27th, & 30th.	42·0	3rd	46·3
	Nagpur	1,017	29·016	−·013	30·089	29·112	1st	28·895	31st	·217	60·9	84·7	+1·2	53·8	−1·8	69·3	−0·3	30·9	93·1	28th	48·1	3rd	45·0
25	Pendra	2,123?	27·952‡		30·023‡	28·051	12th	27·851	31st	·200	57·4	76·8		52·2		64·5		24·6	85·3	28th	44·6	14th & 15th.	40·7
	Raipur	970	29·061	−·019	30·033	29·148	1st	28·925	31st	·223	52·5	81·1	−0·5	53·8	−1·6	67·5	−1·1	27·3	90·8	28th	48·4	15th & 19th.	42·4
	Chanda	*634*	29·399	−·023	30·012	29·434	1st	29·232	31st	·202	61·3	85·2	−0·2	55·3	+1·2	70·3	+0·5	29·9	93·5	31st	47·1	4th	46·4

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

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

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

continued.

ndia, etc., in January, 1907—continued.

Wind direction. Number of winds from N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind velocity. Mean velocity, miles per hour.	Normal.	Departure from normal.	Wind steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st Dec. 1906 to 31st January 1907.	Normal rainfall for period, 1st Dec. to 31st January.	Departure from normal of period, 1st Dec 1906 to 31st Jan., 1907.	Heaviest rainfall during month.	Station.
27	28	29	30	31	32	33		34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																															IX.—Bombay.
18	5		1	1	2			N 49° E	N 56° E	7·3*	8·5	[−1·2]	62	+ 4	53	+ 7	·267	+·040	2·2	+0·6	0	0·36	−0·36	0·03	0·15	−0·12	0·07	0·21	− 0·14	0·03	Deesa.
	1		9	8	3			S 75° W	N 45° W	7 0	6·5	[+0·5]	53	+35	72	+17	·421	+·106	1·7	+0·1	0	0·10	−0·10	0	0·07	−0·07	0	0·14	− 0·14	0	Bhuj.
	2		1	2		1		S 5° W		6·0			6		67		·354		0		0			0			0			0	Jamnager.
5	2			2	3	5		N 10° W		11·6			49		76		·546		1·7		0			0			0·15			0	Dwarka.
6	2	3	1	1	3	3		N 36° E	N 55° E	5·2	5·2	·0	17	−25	60	+ 7	·352	+·062	1·2	+0·2	0	0·20	−0·20	0	0·04	− 0·04	0	0·08	− 0·08	0	Rajkot.
14						3		N 17° E	N 20° E	7·7	5·9	+1·8	89	+14	63	+11	·409	+·087	0·8	−0·5	0	0	0	0	0	0	0	0·09	− 0·09	0	Veraval.
1		1		10	3	10		N 82° W	N 85° W	4·5	6·9	−1·4	53	−12	54	?	·313	?	1·9	+0·8	0	0·10	−0·10	0	0·07	− 0·07	0	0·14	− 0·14	0	Bhavanagar Para.
8	8	5				1		N 57° E	N 5° E	4·0	4·9	−0·9	62	+20	78	+14	·480	+·104	0·7	0	0	0·20	−0·20	0·08	0·05	+ 0·03	0·08	0·06	+ 0·02	0·08	Surat.
11	6	1		1	1	2		N 39° E	N 48° E	5·1	4·3	+0·8	59	−12	50	+ 3	·300	+·030	2·4	+0·7	0	0·11	−0·11	0	0·03	− 0·03	0	0·10	− 0·10	0	Ahmedabad.
14	12	1				1		N 59° E	N 58° E	8·0*	9·9	−1·9	82	+ 1	75	+ 3	·605	+·056	1·3	+0·4	0	0·10	−0·10	0	0·10	− 0·10	0	0·16	− 0·16	0	Bombay.
4	20	2						N 78° E	S 88° E	8·4	7·7	+0·7	79	+24	68	+ 8?	·531	+·052	0·8	b	0	0·20	−0·20	0	0·15	− 0·15	0	0·20	− 0·20	0	Ratnagiri.
7	20	1				1		N 74° E	N 75° E	7·0*	5·6	+1·4	86	− 1	73	+ 6	·592	+·025	1·8	+1·4	1			0·78	0·19	+ 0·59	1·14	0·25	+ 0·89	0·71	Goa.
3	21	3				2		N 82° E	S 84° E	8·3*	8·2	+0·1	79	+ 2	82	+ 1?	·641	+·008	1·4	+1·0	0			0·09	0	+ 0·09	0·23	0	+ 0·23	0·06	Mormugao.
12						2		N 20° E	N 62° E	3·2*	3·5	−0·3	69	−18	84	+ 5	·593	+·060	1·6	+1·2	0	0·10	−0·10	0·14	0·09	+ 0·05	1·29	0·16	+ 1·24	0·07	Karwar.
2	1		1	2	13	9		N 68° W	N 68° W	10·0	5·1	+4·9	62	− 3	42	−16	·238	−·069	0	−1·3	0	0·10	−0·10	0·02	0·11	− 0·09	0·02	0·37	− 0·35	0·02	Malegaon.
1			1			7		N 43° W	N 5° W	3·9	5·9	−2·0	23	+16	49	−12	·295	−·048	1·0	+0·1	0	0·20	−0·20	0	0·01	− 0·01	4·16	0·51	+ 3·65	0	Ahmednagar
1	2	1			10	6		N 69° W	S 70° W	6·1*	6·2	−0·1	40	−28	55	− 2	·313	+·005	0·3	−0·5	0	0·20	−0·20	0	0·04	− 0·04	0·04	0·23	− 0·19	0	Poona.
8	6	11				5		N 84° E	S 66° E	8·5	7·8	+0·7	53	− 2	48	0	·331	+·006	1·0	0	0	0·20	−0·20	0	0·07	− 0·07	0·08	0·50	− 0·42	0	Sholapur.
4	7	11		2	1	5		S 81° W	S 59° E	3·5	4·2	−0·7	40	− 4	70	+ 2	·475	+·020	4·8	?	0	0·20	−0·20	0	0	0	1·19	0·03	+ 1·16	0	Bijapur.
	6	1						S 79° E	S 81° E	4·5*	10·0	−5·5	23	−20	65	+ 9	·414	+·058	0·9	0	1	0·20	+0·80	0·12	0·04	+ 0·08	0·86	0·16	+ 0·70	0·12	Belgaum.
																															X.—Central India.
4	2		2	2	1	1		N 12° E	N 48° E	4·5	6·5	−2·0	27	−23	56	− 1	·258	−·006	1·5	−0·1	0	0·40	−0·40	0·03	0·21	− 0·18	0·03	0·49	− 0·46	0·03	Neemuch.
4	5	2	2	3	1	1		S 70° E	N 36° E	2·8	2·4	+0·4	17	+ 6	58	− 4	·293	−·005	3·5	+2·1	0	0·40	−0·40	0·07	0·13	− 0·06	0·07	0·33	− 0·26	0·07	Indore.
			4		9			N 52° W	N 56° W	1·4	1·4	0	37	+11	77	+ 1	·214	+·006	2·5	+0·2	1	1·70	−0·70	0·29	0·71	− 0·42	0·29	1·26	− 0·97	0·29	Nowgong.
					6	6		N 67° W	N 20° W	0·9	4·1	−3·2	37	+ 1	76	+ 6	·320	+·028	3·4	+2·2	1	1·80	−0·80	0·14	0·22	− 0·78	0·14	1·25	− 1·21	0·14	Sutna.
																															IX—Central Provinces.
																	8 hrs. data not available.														Buldana.
3	3	1		1	1	1		N 67° E	S 84° E	2·4	3·7	−1·3	3	−32	60	+ 5	·334	+·036	1·8	+0·6	0	0·70	−0·70	0	0·33	− 0·33	0·91	1·08	− 0·17	0	Akola.
6	6	1		1				N 71° E	N 87° E	1·4	4·3	−2·8	37	−24	43	− 4	·299	−·028	1·5	+0·3	0	0·90	−0·90	0·06	0·35	− 0·29	0·43	0·92	− 0·49	0·06	Amraoti.
4	1	1				2		N 42° E	N 39° E	2·2	3·3	−1·1	17	− 6	62	+ 6	·312	+·037	1·4	+0·4	0	0·50	−0·50	0·07	0·26	− 0·19	0·07	0·69	− 0·62	0·07	Khandwa.
14	3				1	1		N 47° E	N 63° E	4·1	2·8	+1·3	49	− 8	68	+ 1	·312	−·001?	1·9	+0·5	1	0·80	+0·20	0·38	0·26	+ 0·10	0·36	0·79	− 0·43	0·29	Hoshangabad
1	9	7	1	10	2			S 3° E	S 84° E	4·5	3·5	+1·0	40	+11	51	− 8	·249	−·031	1·3	0	1	1·50	−0·50	0·39	0·64	− 0·25	0·39	1·34	− 0·95	0·37	Saugor.
1	3	15	7					S 40° E	S 63° E	1·9	2·0	−0·1	69	+33	73	− 2	·296	−·025	1·3	+0·1	1	1·40	−0·40	0·26	0·72	− 0·46	0·26	1·05	− 0·79	0·26	Jubbulpore.
5	2	1	1	1	1	1		N 34° E	N 39° E	3·5	2·6	+0·9	23	− 9	64	− 3	·314	−·025	1·4	−0·2	0	1·20	−1·20	0·06	0·53	− 0·47	1·04	1·05	− 0·01	0·06	Seoni.
6	1				1	2		N 8° E	N 13° E	2·4	3·5	−1·1	62	+30	81	0	·327	−·021	1·3	0	0	1·00	−1·00	0·09	0·43	− 0·34	0·59	0·91	− 0·32	0·09	Nagpur.
1			1	1	1	2		N 78° W		1·9			7		66		·313		1·2		1			0·22			1·84			0·22	Pendra.
8	1	1	3	3	2			S 5° W	N 13° E	2·5	2·7	−0·2	13	+ 3	70	+ 8	·361	+·014	0·5	−0·9	1	0·80	+0·20	0·14	0·20	− 0·06	0·14	0·45	− 0·31	0·12	Raipur.
1	4	1	1	1	1			S 64° E	N 68° E	1·2	2·0	−0·8	13	−15	74	+ 3	·359	+·002	1·1	0	1	0·60	+0·40	0·21	0·30	− 0·09	0·72	0·64	+ 0·08	0·21	Chanda.

es of hill or plateau station, the elevations of which exceed 3,000 feet.

* Uncorrected readings.

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Abstract of observations taken at 8 hrs., at 234 stati

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.											
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest Pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean, between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	
1	2.	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23.	
	XII.—Hyderabad.																						
28	Aurangabad .	1,905	28·125*		30·029	28·215	2nd	28·062	9th	·153	66·9	86·5		53·3		69·9		33·2	93·2	27th	48·2	26th	4
	Nizamabad . .	1,260	28·780		30·038	28·888	7th	28·698	30th	·190	67·1	84·7		57 4		71·1		27·3	92·4	31st	52·7	5th	3
	Bidar . . .	*8,764*	27·884		30·034	27·970	19th	27·795	31st	·175	70·1	82·3		62·7		72·5		19·6	89·7	30th	59·0	19th	3
29	Gulbarga . .	1,503	28·511	—·020	30·008	28·575	1st	28·457	31st	·118	67·1	86·1	-0·6	59·5	+1·0	72·8	+0·2	26·6	93·0	27th	53·3	4th	3
	Raichur . .	*5,486*	28·706	—·007	27·998	28·762	1st	28·651	31st	·111	71·0	86·0	-0·7	64·2	+0·8	75·1	+0·1	21·8	92·6	30th	58·2	25th	3
	Hyderabad (Deccan).	1,690	28·332	—·014	30·031	28·401	1st	28·263	31st	·138	63·9	83 9	—0·6	59·5	+1·4	71·7	+0·4	24·4	91·3	27th	53·8	15th	3
	Hanumkonda .	871	29·155		30·002	29·228	1st	29·057	30th	·171	67·8	84·7		62·3		73·5		22·4	93·0	30th	56·7	15th	3
	XIII.—Mysore.																						
30	Chitaldroog .	2,405	27·605	—·014	29·979	27·656	1st	27·552	28th	·104	69·9	83·6	—0·2	61·7	+0·6	72·7	+0·2	21·9	89·1	28th & 29th.	54·9	15th	3
	Hassan . .	3,091	26·962	+·003	30·034	27·008	1st	26·921	27th	·087	63·2	81·8	+0·3	54·8	+0·7	68·3	+0·5	27·0	87·2	2.th	46·1	28th	4
	Bangalore . .	3,021	27·019	—·019	30·015	27·071	1st	26·965	27th	·106	64·4	80·6	+0·4	57·7	+0·9	69·2	+0·7	22·9	86·8	29th	51·9	26th	3
	Mysore . .	2,518	27·513	—·009	30·011	27·563	1st	27·472	28th	·691	67·4	83·4	-0·6	59·8	+0·5	71·6	-0·1	23·6	88·0	28th & 29th.	53·9	28th	3
	XIV—Madras.																						
31	Mangalore . .	65	29·947	—·007	29·945	29·985	21st	29·897	7th	·088	76·3	87·1	—1·4	70·8	+1·3	79·0	—0·1	16·3	91·7	14th	67·0	25th	2
	Calicut . .	27	29·976	—·008	29·933	30·026	16th	29·933	7th	·093	75·5	88·1	+0·5	71·3	+1·7	79·7	+1·1	16·8	89·3	5 days	66·2	28th	2
	Cochin . . .	10	29·982	—·010	29·919	30·017	1st & 21st.	29·950	7th	·067	75·4	89·0	-0·1	72·4	+0·9	80·7	+0·4	16·6	90·3	7 days	67·8	28th & 29th.	2
	Trivandrum .	198	29·782	+·010	29·913	25·817	16th & 29th.	29·740	7th	·077	75·2	83·6	+0·2	71·9	—0·5	77·8	—0·2	11·7	85·5	10th	66·0	28·h & 29th.	1
32	Tinnevelly .	168	29·865	—·006	29·965	29·902	1st	29·832	28th	·070	75·7	87·9	+0·2	71·6	0	79·8	+0·1	16·3	91·3	26th & 30th.	64·9	27th	2
	Pamban . .	37	29·980	—·007	29·944	30·017	1st	29·933	7th	·084	74·3	82·4	+0·5	74·5	—0·3	78·5	+0·1	7·9	83·8	4 days	69·2	30th & 31st.	1
	Madura . .	447	29·586	+·002	29·979	29·626	1st	29·557	28th	·069	73·8	87·8	+0·3	68·9	+0·3	78·3	+0·3	18·9	90·9	29th	65·2	28th	3
	Periyakulam .	944	29·065		29·974	29·111	1st	29·034	28th	·077	69·9	86·4		63·8		74·7		22·6	90·7	30th	51·6	29th	3
	Pudukkottai .	318	29·715		29·973	29·756	1st	29·685	28th	·071	72·6	86·3		67·5		76·9		18·8	89·9	30th	60·6	27th	2
	Negapatam .	31	29·981	—·021	29·941	30·011	1st	29·947	31st	·064	74·7	83·8	+2·0	71·1	+0·3	77·5	+1·2	12·7	85·9	2nd	65·5	28th, 29th & 31st.	2
	Trichinopoly .	255	29·781	—·007	29·975	25·8·9	1st	29·754	28th	·065	74·0	87·3	—0·1	67·5	+0·3	77·4	+0·1	19·8	91·0	30th	59·9	27th	3
	Coimbatore . .	1,348	28·677	—·006	30·007	28·725	1st	28·633	27th	·052	69·2	86·1	—0·7	63·9	0	75·0	—0·4	22·2	90·4	26th	55·7	28th & 29th.	3
	Salem . . .	940	29·105	—·021	30·007	29·145	1st	29·072	27th	·073	73·4	89·4	+1·1	64·2	+0·5	76·8	+0·8	25·2	94·7	30th	54·8	28th	3
	Cuddalore . .	37	29·988	—·019	29·957	30·023	16th	29·950	28th	·073	71·8	82·9	—0·4	67·9	+0·6	75·4	+0·1	15·0	85·1	30th	61·2	28th & 29th.	2
	Vellore . . .	707	29·330		30·003	29·377	1st	29·285	28th	·092	67·3	84·7		62·1		73·4		22·6	90·9	30th	54·8	27th, 28th & 31st.	3
	Madras . .	22	30·020	—·021	29·973	30·057	1st	29·972	27th	·085	73·0	83·9	—0·8	67·1	—0·3	75·5	—0·6	16·8	86·5	22nd & 30th.	59·5	31st	2
33	Cuddapah . .	433	29·600	—·018	29·965	29·656	1st	29·532	28th	·124	70·7	88·9	+0·5	64·5	+0·1	76·7	+0·3	24·4	95·2	30th	59·8	26th	3
	Bellary . . .	1,475	28·538	—·017	30·002	28·600	1st	28·477	28th	·123	67·8	88·5	+0·9	62·7	+2·2	75·6	+1·6	25·8	95·0	30th	58·1	24th	3
	Kurnool . .	923	29·088	?	29·990	29·158	1st	29·019	30th	·139	67·0	86·8	—1·9	60·6	+1·9	73·7	0	26·2	93·7	30th	55·4	23rd	3
33	Nellore . .	52	29·986	—·010	29·982	30·037	13th	29·915	26th	·122	71·0	85·5	—0·5	66·3	0	75·9	—0·3	19·2	91·8	30th	60·6	31st	3
	Masulipatam .	15	30·050	—·007	30·000	30·108	1st	29·972	28th & 31st.	·136	71·6	83·5	0	66·3	+1·0	74·9	+0·5	17·2	89·0	31st	63·2	5 days	2
	Cocanada . .	26	30·032	—·017	29·994	30·087	5th	29·952	27th	·135	76·5	82·C	+1·0	66·4	+1·1	74·2	+1·1	15·8	90·6	28th & 30th.	62·0	15th	2
	Waltair (Vizag.) .	*226*	29·836	—·015	30·008	29·908	5th	29·742	27th & 28th.	·166	73·0	81·0	?	67·7	?	73·4	?	13·3	84·8	29th	63·9	17th, 20th & 2.st.	2
	Calingapatam .	19	30·040		29·999	30·106	5th	29·935	27th & 28th.	·171													
	Gopalpur . .	72	29·997	—·001	30·013	30·073	5th	29·868	28th	·205	65·3	79·9	—0·4	61·1	—0·1	70·5	—0·3	18·8	89·2	29th	55·0	20th	3

* Mean of 29 days.

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

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

—*continued.*

India, etc., in January, 1907—continued.

Wind direction. Number of winds from N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind velocity. Mean velocity miles per hour.	Normal.	Departure from normal.	Wind steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normalin 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. 1906 to 31st Jan. 1907.	Normal rainfall for period, 1st Dec. to 31st January.	Departure from normal of period, 1st Dec. 1905 to 31st Jan. 1907.	Heaviest rainfall during month.	Station.
26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																															XII.—Hyderabad.
	5	8				3		N 67° E		6·8 †			33		45		·311		0·9		0	0·20	−0·20	0·03	0·12	− 0·09	0·83	0·73	+ 0·10	0·03	Aurangabad.
							2	N 45° E		1·8 †			3		77		·515		1·0		0	0·20	−0·20	0	0·05	− 0·05	1·25	0·38	+ 0·87	0	Nizamabad.
2	3	4	10	3	6	2	1	S 31° E		2·9			37		57		·413		3·2		1	0·10	+0·90	0·10	0·02	+ 0·08	3·64	0·54	+ 3·10	0·10	Bidar.
4	10	9	1	1		1		N 60° E	S 86° E	4·8	7·1	−2·3	59	+27	60	+ 3	·401	+·025	1·1	0	0	0·20	−0·20	0	0·07	− 0·07	2·80	0·07	+ 2·73	0	Gulbarga.
	6	7	7					S 87° E	S 55° E	8·6	8·1	+0·5	53	0	60	− 3	·457	+·008	1·4	−0·1	0	0·10	−0·10	0	0	0	0·67	0	+ 0·67	0	Raichur.
								§	S 51° E	1·8	3·6	−1·8			72	− 3	·435	−·019	1·7	+0·3	0			0	0·06	− 0·06	1·84	0·23	+ 1·61	0	Hyderabad (Deccan).
1			6	5			1	S 26° E		3·4			30		69		·480		1·6		1	0·20	+0·80	0·11			2·38			0·11	Hanumkonda.
																															XIII.—Mysore.
1	1	9	11	1		3	2	S 67° E	S 69° E	5·0	6·7	−1·7	46	− 9	65	+ 7	·478	+·056	1·5	0	0	0·30	−0·30	0	0·01	− 0·01	2·06	0·10	+ 1·96	0	Chitaldroog.
	4	7	3	1	5			S 88° E	S 80° E	0·9	2·9	−2·0	38	−31	84	+12	·494	+·034	3·0	+0·3	0	0·10	−0·10	0	0	0	4·17	0·18	+ 3·99	0	Hassan.
	5	23	2		1			N 87° E	N 87° E	6·8	5·3	+1·5	89	+ 7	79	+ 1	·480	+·022	3·0	0	2	0·10	+1·90	0·95	0·14	+ 0·81	2·10	0·62	+ 1·48	0·80	Bangalore.
	9	10	5	1	2	1		N 89° E	N 72° E	7·9	8·8	−0·9	56	−14	72	− 1	·480	−·004	2·5	0	0	0·10	−0·10	0·09	0	+ 0·09	2·28	0·17	+ 2·11	0·09	Mysore.
																															XIV.—Madras.
1	5	24	1					N 82° E	S 85° E	5·0	3·1	+1·9	92	+14	75	+ 4	·684	+·083	1·7	+0·1	1	0·10	+0·90	0·14	0·05	+ 0·09	1·09	0·50	+ 0·59	0·11	Mangalore.
	12	17	2					N 73° E	N 80° E	7·4 †	8·4	−1·0	92	+ 9	79	+ 2	·694	+·033	2·2	+0·8	0	0·30	−0·30	0·05	0·19	− 0·14	0·52	1·16	− 0·64	0·03	Calicut.
	9	18	1					N 77° E	N 42° E	4·9 †	5·1	−0·2	86	+ 5	74	+ 2	·659	+·018	2·5	+1·1	2	1·00	+1·00	1·52	0·54	+ 0·98	6·66	2·20	+ 4·46	1·18	Cochin.
2	3				1		1	N 10° E	N 44° E	1·9 †	4·0	−2·1	13	−37	77	0	·681	+·004	3·0	+0·1	2	1·30	+0·70	0·72	0·63	+ 0·09	7·19	2·87	+ 4·32	0·62	Trivandrum.
16	4					2	6	N 8° W	N 19° W	3·1	5·1	−2·0	76	− 7	83	+ 5	·730	+·032	4·8	+2·3	2	1·50	+0·50	0·71	1·02	− 0·31	7·24	4·77	+ 2·47	0·43	Tinnevelly.
10	16	1					1	N 28° E	N 15° E	12·6	11·4	−1·2	82	+38	84		·785	‡	3·5		5	2·20	+2·80	3·65	1·33	+ 2·32	7·89	11·64	− 3·75	1·85	Pambau.
12	8	2					4	N 13° E	N 3° E	4·6	5·1	−0·5	69	−10	77	+ 3	·639	+·007	3·8	+1·0	0	0·80	−0·80	0	0·26	− 0·26	1·92	2·13	− 0·21	0	Madura.
1		1			1			N 45° E		1·7			1		77		·572		2·8		2	0·90	+1·10	0·80	0·63	+ 0·17	3·56	2·19	+ 1·37	0·47	Periyakulam.
3	26	1	1					N 44° E		9·3			92		85	− 9	·681		4·1		1			0·19			3·64			0·15	Pudukkottai.
2	7	1				1	20	N 23° W	N 1° W	13·2 †	7·8	+5·4	76	+15	81	− 1	·710	−·004	5·1	−0·4	3	1·90	+1·10	1·58	1·37	+ 0·21	15·37	14·16	+ 1·21	1·08	Negapatam.
8	9	1				4		N 15° E	N 18° E	4·0 †	4·4	−0·4	59	+11	81	+ 4	·675	+·043	2·9	−0·1	0	0·60	−0·60	0·04	0·27	− 0·23	3·35	3·03	+ 0·62	0·04	Trichinopoly.
2	14	3	2		1	2	1	N 46° E	N 67° E	3·1	2·9	+0·2	49	−23	84	0?	·600	−·018	3·9	+1·4	3	0·50	+2·50	1·48	0·16	+ 1·32	5·38	1·29	+ 4·09	0·80	Coimbatore.
5	8	13						N 60° E	N 50° E	4·8	4·8	0	69	+27	76	+ 1	·639	+·054	1·8	−0·6	1	0·30	+0·70	0·27	0·23	+ 0·04	2·01	1·49	+ 0·52	0·27	Salem.
4						2	16	N 41° W	N 21° W	7·1	2·6	+4·5	66	−13	87	− 1	·680	−·030	2·0	−2·2	0	1·20	−1·20	0·05	0·80	− 0·75	18·40	8·99	+ 9·41	0·05	Cuddalore.
			1		1	1	2	W		3·0 †			8		85		·577		1·8		0	0·70	−0·70	0	0·49	− 0·49	5·07	3·37	+ 1·70	0	Vellore.
9	4			3	1	2	5	N 16° W	N 16° E	5·8 †	5·7	−0·1	40	−18	87	+ 5	·716	+·027	2·6	−0·8	0	2·10	−2·10	0·11	0·52	− 0·41	16·54	6·54	+10·00	0·05	Madras.
	6	2	18	3			2	S 60° E	S 65° E				66	+12	75	0	·569	−·012	2·0	+0·5	0	0·20	−0·20	0·02	0·16	− 0·14	2·78	1·30	+ 1·48	0·02	Cuddapah.
		8	5	5	2	2	1	S 15° E	S 36° E	3·0 †	3·6		30	−12	64	− 2	·436	−·019	1·5	−0·1	0	0·10	−0·10	0	0·09	− 0·09	1·23	0·20	+ 1·03	0	Bellary.
	2	3	1	2				S 76° E	S 80° E	2·9 †			17	+13	85	?	·562	?	1·5	+0·2	1	0·20	+0·80	0·16	0·07	+ 0·09	5·85	0·19	+ 5·66	0·10	Kurnool.
1			2	3	2	1	13	N 67° W	N 51° W	4·1 †	3·7	+0·4	37	−14	87	+ 1	·667	−·008	3·0	−0·7	1	0·50	+0·50	0·18	0·55	− 0·37	14·61	2·19	+12·42	0·18	Nellore.
4	2	1						N 24° E	N 14° E	4·7	4·6	+0·1	20	−55	90	+ 4	·701	+·058	1·1	−0·7	0	0·30	−0·30	0	0·07	− 0·07	7·22	0·85	+ 6·37	0	Masulipatam.
6	7						3	N 12° E	N 7° W	5·2	7·8	−2·6	43	−38	82	+ 9	·619	+·077	1·9	+0·2	0	0·40	−0·40	0	0·11	− 0·11	8·48	0·91	+ 7·57	0	Cocanada.
3	10			2	8	6		N 31° W	N 78° W	7·6			46	− 2	69	+ 3	·598	+·041	0·6	−0·8	0	0·60	−0·60	0	0·16	− 0·16	1·19	1·96	− 0·77	0	Waltair (Vizagapatam)
7	3	1				3	11	N 37° W		6·0			69								0			0			0·49			0	Calingapatam.
						1	17	N 48° W	N 21° W	9·7	8·4	+1·3	59	−22	80	+ 3	·503	+·004	0·1	−1·3	0	0·40	−0·40	0	0·12	− 0·12	1·52	0·87	+ 1·05	0	Gopalpur.

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

‡ Mean of 30 days.

§ Indeterminate.
† Uncorrected readings.

Table

Abstract of observations taken at 8 hrs., at 234 station

Number of subdivision.	Station.	Elevation of bar-sisters above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of Air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	Stations in the Bay.																						
1	P. V. Fraser	*8*								Observations not available.													
	Car Nicobar	25	29·928		29·980	29·962	2nd	29·848	16th	·114	81·8	85·8		77·1		81·5		8·7	87·4	30th	73·3	19th	14·1
	Port Blair	61	29·929	−·007	29·921	29·957	21st	29·901	16th	·056	78·2	86·1	−0·3	76·2	+0·6	81·2	+0·2	9·9	88·7	3rd	69·5	31st	19·2
	Slipper Island	90	29·917		29·942	29·961	5th	29·882	27th	·078	79·4	84·1		75·4		79·8		8·7	88·1	26th	71·1	18th	17·0
	Kashmir.																						
14	Srinagar	5,204	24·972	−·025	24·943	25·152	1st	24·635	30th	·507	33·9	49·8	+10·8	31·9	+5·5	40·9	+8·2	17·9	56·0	27th	24·6	3rd	31·4
	Gulmarg	*8,569*								Observations not received.													
	Sonemarg	*8,764*	21·827		21·795	21·957	1st	21·531	30th	·426	25·7	40·7		20·1		30·9		19·6	53·9	26th	6·1	12th	47·8
	Dras	*10059*	20·807		20·775	21·076	4th	20·481	30th	·595	7·2‡	26·1		0·1‡		13·0‡		26·0	40·9	22nd	−24·9	12th	65·8
	Leh	11,503	19·693	+·037	19·666	19·939	3rd	19·397	30th	·542	13·9	32·5	+2·7	10·7	+1·9	21·6	+2·3	21·8	45·6	7th	−5·1	13th	50·7
	Skardu	*7,505*	22·964		22·934	23·244	3rd	22·598	30th	·646	28·8	42·1		25·9		34·5		17·2	72·0	27th	21·1	3rd & 15th.	50·9
	Minimarg	*9,359*	21·370		21·338	21·578	2nd	21·053	30th	·525	21·8	36·3		11·6		24·0		24·7	47·3	21st	−1·0	12th	48·3
	Astor	*7,955*	22·574§		22·544§	22·829	2nd	22·210	30th	·619	28·4	41·7		25·3		33·5		16·4	49·9	7th	16·0	2nd	33·9
	Gilgit	4,890	25·287		25·210	25·542	2nd	24·824	30th	·718	40·6	52·6	+7·4	34·6	+3·2	43·7	+5·2	17·8	57·2	23rd & 28th.	27·7	26th	29·5
	Baluchistan.																						
16	Quetta	5,502	24·704	+·017	24·664	24·872	2nd	24·513	24th	·359	35·2	60·8	+9·5	30·9	+4·6	45·9	+5·6	29·9	78·1	19th, 20th 21st.	18·8	30th	54·3
	Chaman	4,311	25·799	+·027	25·761	25·961	2nd	25·584	24th	·377	42·2	62·3	+8·9	38·7	+4·6	50·5	+6·5	23·6	75·3	19th	21·8	30th	53·5
	Robat		27·019			27·130	29th	26·929	28th	·201	42·6	56·9		38·0		46·0		16·9	59·4	29th	29·1	30th	30·3
	Hill Stations excluding Kashmir and Baluchistan.																						
	Chitral	*5,456*									37·1	52·6		33·4		43·1		19·4	60·6	21st	23·0	31st	32·6
	Pasu Chinar	6,000	24·494		24·461	24·640	12th	24·228	30th	·412	42·0	55·1		34·9		45·9		20·2	65·1	4th	25·4	30th	39·7
	Chitral	*4,956*	25·738	−·081	25·706	25·879	12th	25·478	30th	·401	47·0	53·5	+4·3	42·6	+5·7	48·6	+5·0	9·9	60·6	5th	32·0	30th	27·6
	Mussoo	6,989	23·862	0	23·832	24·016	1st	23·590	30th	·426	43·4	49·4	+2·2	36·1	+0·9	42·8	+1·6	13·3	64·6	4th	28·0	31st	41·0
	Kailang	*10,097*	20·987		20·942	21·038	18th	20·943	10th	·095	21·2	35·2	+0·9	17·0	+2·4	26·1	+1·7	18·2	55·5	6th	0·1	13th	55·4
	Simla	7,224	23·115	+·003	23·077	23·221	1st	22·971	31st	·250	44·2	50·9	+6·4	40·3	+5·8	45·6	+6·1	10·6	60·6	4th	30·5	10th	30·3
	Sanain		23·179			23·308	1st	23·039	31st	·269	34·3	50·6		31·7		42·3		19·1	65·2	4th	29·7	12th	40·5
	Kalabagh								Observations not received.														
	Chakrata	7,922	23·306	+·007	23·266	23·412	5th	23·153	28th	·259	43·9	58·3	+5·7	39·4	+3·2	47·9	+4·5	16·9	67·3	3rd & 4th.	29·7	10th	37·6
	Muktesar	7,556	22·889		22·848	22·997	5th	22·726	28th	·271	44·5	55·0		40·3		47·7		14·7	65·9	4th	28·9	18th	36·1
	Darjeeling	7,376	23·040	+·021	22·995	23·146	5th	22·828	27th	·318	42·5	52·6	+2·6	37·9	+3·1	44·3	+3·5	13·7	58·2	5th & 12th.	33·0	18th	23·2
	Shillong	6,920	25·178		25·131	25·289	5th	24·998	27th	·291	47·7	63·8		41·0		52·3		22·5	69·4	11th	32·2	16th	37·2
	Cherra Poonjee	4,309	25·747		25·698	25·846	5th	25·596	27th	·250	53·9	68·2		48·3		55·8		12·9	67·7	13th	44·3	21st	23·4
	Mayurgo	3,515	26·518		26·483	26·588	6th	26·388	28th	·200	51·0	71·2		44·6		57·9		26·6	75·9	2nd	36·6	20th	39·3
	Pachmarhi	3,528	26·589	−·018	26·486	26·660	1st	26·445	9th	·215	55·4	72·9	+1·6	45·8	−1·7	59·4	−0·1	27·1	79·7	30th	34·8	4th	44·9
	Mount Abu	3,945	26·137	−·001	26·087	26·270	1st	26·015	24th	·255	60·4	69·4	+1·6	54·1	+2·9	61·3	+2·4	14·3	74·2	27th	45·4	31st	28·8
	Mescara	3,781	26·296	+·008	26·239	26·312	1st	26·251	27th	·061	61·4	77·9	+0·2	57·3	+0·7	67·6	+0·5	20·6	82·5	30th	52·1	19th & 29th.	30·4
	Ootacamund	*7,399*	23·090		23·036	23·139	1st	23·036	19th & 27th	·063	52·3	65·9		41·7		53·8		24·2	70·5	26th	32·2	15th	38·3
	Kodaikanal	7,633	22·858		22·793	22·899	1st	22·816	16th	·083	53·2	68·8		46·3		53·1		16·5	70·4	29th	40·8	15th	29·6

* Wind direction for 28 days. ‡ Mean of 30 days. § Mean of 29 days.

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

M.S.—Elevations in italics indicate barometrical determinations.

—*continued.*

India, etc., in January, 1907—continued.

Wind direction. Number of winds from N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind velocity. Mean velocity miles per hour.	Normal.	Departure from normal.	Wind steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st Dec. 1906 to 31st January 1907.	Normal rainfall for period, 1st Dec. to 31st January.	Departure from normal of period, 1st Dec. 1906 to 31st Jan. 1907	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
																															Stations in the Bay.
															Observations not available.																P. V. Fraser.
6	10	6	2	1		1		N 50° E		4·6			58		741		·799		8·3		3			2·25			14·43			1·25	Car Nicobar*
7	9	1	5	4		3	2	N 42° E	N 23° E	4·7†	6·5	−1·8	30	−36	79	− 2	·756	− ·025	3·8	−0·3	4			4·36	1·02	+ 3·34	7·48	7·64	− 0·16	2·04	Port Blair.
8	12	4	1	1			3	N 33° E		8·8			66		74		·732		6·8		2			2·07			3·59			1·34	Slipper Island.
			6	1	1		4	S 13° E	S 26° E	2·8	3·1	−0·3	10	− 8	85	− 6	·169	+ ·020	6·2	−1·7	8	6·40	+1·60	2·01	3·49	− 1·48	2·60	4·40	− 1·80	0·54	**Kashmir** Srinagar.
															Observations not received.																Gulmarg.
3	2	7	2		1		2	N 63° E		3·1			30		97		·137		7·5		12			12·08			14·25			4·24	Sonemarg.
				1	1			S 24° W		2·9			7		78‡		·064‡		6·7		12	8·70	+3·30	4·00	3·98	+ 0·02	5·13	6·17	− 1·04	0·60	Dras.
	3	2		6				S 47° E	S 13° W	1·4†	1·0	+0·4	20	−18	70	+17	·061	+ ·025	7·4	+0·7	7	0·30	+0·20	1·62	0·31	+ 1·31	1·73	0·50	+ 1·23	0·42	Leh.
					6			S 45° W		1·7			20		95		·152		8·2		4	3·00	+1·00	1·02	1·71	− 0·69	1·02	2·42	− 1·40	0·29	Skardu.
	1	9	2			2	1	E		4·6			27		78‡		·086‡		7·5		12			6·32			7·57			1·17	Minimarg.
1	1			9	5	1	1	S 28° W		2·8			37		65		·112		7·7		6			1·33			1·59			0·36	Astor.
		1				2	1	W		1·6			6		52	−15	·123	− ·010	7·3	+0·4	6	0·30	−0·30	0·07	0·21	− 0·14	0·07	0·30	− 0·23	0·05	Gilgit.
																															Baluchistan.
		1	1					S 24° E	S 12° W	1·4	2·9	−1·5	7	+ 2	68	−11	·137	− ·011	2·3	−1·4	0	4·80	−4·80	0·04	2·03	− 1·99	0·43	2·84	− 2·41	0·04	Quetta.
12	4	3					10	N 3° W	S 58° E	7·2	6·8	+0·4	72	+12	69	+ 1	·195	+ ·030	2·5	−1·9	0	3·40	−3·40	0	1·30	− 1·30	0·69	2·22	− 1·62	0	Chaman.
	2	9		1	3			S 13° E		7·7			53		45		·128		4·3		0			0·03						0·02	Robat.
																															Hill stations excluding Kashmir and Baluchistan.
3		1	1	1				N 63° E		1·4			7		75		·165		4·0‡		6			1·82			2·74			0·50	Chitral.
1		1						N 45° E		4·0			3		64		·171		4·7		5	1·00	+4·00	1·78	0·63	+1·15	4·52	1·42	+3·10	0·45	Para Chinar.
15			2		1		7	N 14° W	N 12° W	7·6	13·4	−5·8	62	− 8	55	− 4	·179	+ ·022	4·0	−0·8	4			3·32	2·07	+1·25	6·75	3·07	+3·68	1·32	Cherat.
1			4	8				S 15° E	S 62° E	6·5	9·0	−2·5	33	−16	54	− 8	·146	+ ·010	5·1	−0·2	9	2·80	+6·20	6·04	3·67	+2·37	7·81	4·81	+ 3·00	1·97	Murree.
1	3	7	9	2	2	3	4	S 45° W		0·2†	0·9	−0·7	1		79		·098		7·0		12			7·23	2·92	+4·31	7·28	4·00	+3·28	2·35	Kailang.
7	2		6	10	1		1	S 36° E	S 63° E	6·1	5·0	+1·1	23	− 7	49	− 4	·139	+ ·017	4·2	−0·5	4	3·60	+0·40	3·37	2·71	+0·66	3·97	3·94	+0·03	2·04	Simla.
				15	6			S 12° W		2·5			66		79		·155		4·3		6			3·74			4·83			2·40	Sarain.
															Observations not received.																Kalabagh.
14	2			1			2	N	N 34° E	4·4	5·7	−1·3	51	+ 6	55	− 3	·158	+ ·027	4·0	−0·1	1	5·00	−4·00	0·49	3·73	−3·24	1·64	4·89	−3·25	0·25	Chakrata.
1	3	5	2			1	11	1	N 64° W	7·4			13		49		·134		3·7		3			1·18			1·32			0·69	Muktesar.
	5	5	5	2	3	2	2	S 67° E	S 57° E	3·4	3·7	−0·3	23	0	74	− 3	·203	+ ·013	4·1	−0·1	1	1·71	−0·71	0·23	0·71	−0·48	0·23	0·94	−0·71	0·12	Darjeeling.
					2			S 45° W		2·0			3		73		·247		1·5		2	1·50	+0·50	0·80	0·53	+0·27	0·80	0·81	−0·01	0·54	Shillong.
	10	2			2	4		N 24° E		4·8			23		75		·310		2·8		2	1·70	+0·30	1·57	0·83	+0·74	1·57	1·04	+0·53	1·10	Cherra Poonjee.
								I		1·5†					92		·349		1·7		0	0·20	−0·20	0·13	0·06	+0·07	0·13	0·51	−0·38	0·03	Maymyo.
1		1	1		4	2	4	N 87° W	S 3° E	2·8	3·5	−0·7	17	− 1	63	+ 5	·266	− ·020	1·2	−0·7	1	1·50	−0·50	0·52	0·65	−0·13	0·52	1·12	−0·60	0·52	Pachmarhi.
3	2			7	2	7		N 67° W	N 2° W	6·6	5·2	+1·4	27	+ 9	37	− 7	·197	− ·008	1·2	−0·5	1	0·70	+0·30	0·21	0·33	−0·12	0·31	0·54	−0·23	0·21	Mount Abu.
	8	9	1					N 73° E	N 74° E	2·1	5·0	−2·9	53	−21	82	+ 7	·451	+ ·033	4·5	+0·4	1	0·20	+0·80	0·44	0·02	+0·42	1·94	0·53	+1·41	0·41	Mercara.
	3	10	9	3	2			S 62° E		3·8			62		52		·209		1·3		0	0·60	−0·60	0·16	0·35	−0·19	3·93	2·00	+1·93	0·06	Ootacamund.
2	4	9	7	4		2	3	S 81° E		11·0†			42		62		·244		2·8		1	1·40	−0·40	0·97	1·17	−0·20	7·16	6·74	+0·42	0·84	Kodaikanal.

* Plateau stations, the elevations of which exceed 3,500 feet.

† Uncorrected readings.

‖ Indeterminate.

Table

Abstract of observations taken at 8 hrs

Number of sub-division.	Station.	Elevation of bar cistern above sea-level in feet.	Pressure 8 hrs. in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	XIII.—Extra India.																						
37	Singapore*	10	29·961		29·892	30·005	21st & 25th.	29·903	18th	·102	82·0	88·2		72·3		80·3		15·9	90·6	27th & 29th.	69·5	10th	21·1
	Penang*	20	29·928		29·872	29·949	2nd	29·905	16th	·044	79·7	88·3		72·9		80·6		15·4	91·0	6 days	69·0	3rd	22·0
	Trincomalee	12	29·977	−·011	29·915	30·007	20th	29·949	12th	·058	76·2	83·3	0	73·7	−0·9	78·5	−0·5	9·6	86·0	1st & 2nd	70·0	26th	16·0
	Colombo	40	29·940	−·010	29·906	29·980	21st	29·902	7th	·078	76·6	87·7	+0·2	72·6	+0·5	80·2	+0·4	15·1	90·5	2nd & 23rd.	69·5	26th	21·0
	Minicoy	7	29·988		29·921	30·025	1st	29·943	7th	·082	80·2	85·7	−0·1						89·3	7th			
	Amini Divi	*13*	29·987	−·018	29·928	30·027	16th	29·932	7th	·095	81·2	86·4	+2·1	74·7	+0·8	80·6	+1·5	11·7	91·0	9th	69·5	28th	21·5
	Gyantse	13,120	18·477			18·664	4th	18·288	27th	·376	15·5	43·3		8·7		26·0		24·6	50·3	3rd, 7th, & 10th.	3·5	15th, 18th & 19th.	46·8
	Pharijong	14,400									Observations not received.												
	Gangtok	5,660P	24·525		24·480	24·616	11th	24·291	28th	·325	48·7	61·1		41·5		51·3		19·6	68·0	10th & 12th.	38·2	18th	29·8
	Gartok	15,100P						Observatory not opened.															
	Kashgar§	4,255	25·704			26·070	1st	25·400	25th	·670	21·9	37·4	+5·0	17·2	+4·7	27·3	+4·9	20·2	46·2	24th	6·5	31st	39·7
	Kabul		24·328		24·297	24·499	4th	24·132	24th & 29th	·367	33·1	57·0	+12·1	28·7	+10·8	42·9	+11·5	28·3	68·7	25th	20·4	16th	48·3
	Meshed	3,104	27·752			28·190	5th	27·370	17th	·820	35·4	46·5		29·0	+6·7	37·8		17·5	62·4	18th	5·0	26th	57·4
	Jask‡	13	30·105	−·022	30·075	30·233	2nd	29·923	24th	·310	66·4	77·2	+3·4	63·1	+2·8	70·2	+3·1	14·1	81·3	24th	49·8	29th	31·5
	Muscat	20	30·125	+·004	30·092	30·230	14th	29·941	24th	·289	70·5	79·4	+7·2	68·1	+0·9	73·8	+4·1	11·3	85·9	8th	60·6	29th	25·3
	Bahrein	18	30·222		30·193	30·445	28th	30·015	22nd	·430	62·4	66·3		58·6		61·5		9·7	74·5	14th	42·7	28th	31·8
	Bushire	14	30·135	+·001	30·108	30·311	28th	29·979	22nd	·332	54·5	65·8	+1·7	52·4	+0·7	59·1	+1·2	13·4	78·1	18th	35·9	29th	42·2
	Busrah	25	30·224		30·210	30·448	28th	29·985	13th	·463	49·4	61·4		40·5		51·0		20·9	76·6	12th	23·7	26th	52·9
	Ispahan¶	*5,817*	24·277			24·580	5th	24·000	27th	·580	31·5	54·6	+8·1	27·3‖	+4·2‖	40·8	+6·2	27·3	68·8	18th	8·2	26th	60·6
	Tehran¶	*4,009*	25·954			26·350	5th	25·700	12th	·650	33·1	50·3	+8·0	28·9 **	−2·7 **	39·6 **	+5·4	21·4	61·5	2nd	15·7	26th, 27th & 28th.	45·8
	Baghdad	220	30·067	+·041	30·280	30·286	28th	29·817	16th	·469	41·4 †† 54·6	58·3 62·4	−1·8	37·4 50·7	−0·8	47·8 56·6	−1·3	20·7 11·7	70·6 71·2	11th 8th	22·8 30·0	25th 25th	47·8 41·2
	Beirut				30·097																		
	Aden	94	30·013	+·031	30·039	30·094	10th	29·933	27th	·161	73·7	79·6	−1·9	71·0	−1·8	75·3	−1·4	8·6	83·3	2nd	67·9	11th, 19th	15·4
	Perim	201	29·947	+·016	29·986	29·977	7th	29·909	27th	·068	77·4	82·8	+0·1	72·4	−1·1	77·6	−0·5	10·4	84·1	1st	70·4	28th	13·7
	Zanzibar	72	29·982	+·021	29·931	29·983	2nd	29·850	20th	·133	80·8	84·8	−1·3	78·7 ‡‡	−0·8	81·7 ‡‡	−1·1	6·1	87·0	29th	75·1	7th	11·9
	Do. Dunga§§	*154*	29·849		29·931	29·912	2nd	29·775	28th	·137	78·8	86·0 ‡‡		74·9 ‡‡		80·5		11·1	86·4	3rd	71·9	4th	16·5

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

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

** Mean of 29 days.
†† 8½ hrs. observations.
* 9 hrs. observations.
¶ Aneroid uncorrected.
§ Aneroid corrected.
‖ Mean of 30 days.
‡‡ Mean of 16 days.
§§ Observations of 17 days.

—*concld.*

234 stations in India, etc., in January 1907—concluded.

Wind direction. Number of winds from N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction	Wind velocity. Mean velocity miles per hr.	Normal.	Departure from normal.	Wind steadiness. Actual percentage.	Departure from normal.	Hygrometry 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days	Departure from normal of days.	Rainfall of month	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st Dec. 1906 to 31st January 1907.	Normal rainfall for period, 1st Dec. to 31st January.	Departure from normal of period 1st Dec. 1906 to 31st Jan. 1907.	Heaviest rainfall during month.	Station.
26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																															Extra India.
7	16	5					3	N 6° E		5·3†			79						5·5		10			5·20			20·58			1·58	Singapore.
21	4	1		1		1	1	N 5° E		10·1†			79						3·5		2			1·54			12·74			1·22	Penang.
5	2	3						N 35° E	N 30° E	1·1†	7·7	−6·6	23	−42	89	+10	·806‡	+·029	5·7	+1·7	10			9·89	5·38	+ 4·51	20·85	21·28	−0·43	2·64	Trincomalee.
14	11	2	1	1			1	N 25° E	N 37° E	8·6†	8·7	−0·1	76	− 5	85	+11	·773	+·004	3·3	−0·3	2			0·83	3·20	− 2·37	2·74	9·99	−7·25	0·33	Colombo.
11	13	3	1		2		1	N 30° E	N 42° E	3·6	6·4	−2·8	72	+ 7	78	− 1	·801	+·008	3·3	+0·1	6			2·39	2·09	+ 0·30	4.90	6·75	−1·35	0·62	Minicoy.
9	20						1	N 28° E					89		73	−1	·783	−·011	3·6	−0·7	2			1·31	0·19	+ 1·12	3·10	0·51	+ 2·59	0·73	Amini Divi.
	1		14	10	5	1		S 15° E		2·8			79								0			0			0			0	Gyantse.
								Observations not received.																							Phariong.
	1		1		2			S		2·6			5		82		·288		1·3		4			1·12						0·31	Gangtok.
																Obser	vatory	not op	ened.												Gartok.
				1			4	N 56° W	N 56° W	0·7	0·6	+0·1	10	+ 7					4·1	−2·1	2			0·40	0·27	+0·13	0·48	0·46	+ 0·02	0·20	Kashgar.
9	4	6	1	4	1	1	5	N 22° E	N 32° W				37	+32	72		·142		3·7	?	0			0·22	1·24	−1·02	0·85	1·53	− 0·68	0·08	Kabul.
															81		·176		4·0	−1·3	2			0·59	0·41	+0·18	2·94	1·11	+ 1·83	0·39	Meshed.
7	10	4					7	N 18° E	N 18° E	13·0	12·0	+1·	66	− 5	65	− 8	·432	−·014	3·0	+1·1	0			0·01	0·87	−0·86	1·14	1·65	− 0·51	0·01	Jask.
							11	N 45 W	S 59° W	4·5	4·8	−0·3	37	+ 4	73	+5	·547	+·061	2·1	−0·4	1			0·23	1·28	−1·05	1·80	1·54	+ 0 26	0·23	Muscat.
		3		2	2	12	12	N 75° W		6·7‡			62		69		·398		0		0			0			0			0	Bahrein.
7	5	3	6	1			6	N 24° E	N 58° E	12·4	8·0	+4·4	40	−14	80	+2	·355	+·006	4·0	4·0·7	1			0·37	3·12	−2·75	0·62	6·36	− 5·74	0·22	Bushire.
2				5		1		N 3° W					56		76		·285				1			0·19			1·32			0·12	Busrah.
1		1			1	1	1	N45° W	S 79° W	4·1	3·1	+1·0	3	−29	73	−9	·141	+·003	2·2	−1·3	0				0·28	−0·28	0·40	0·80	− 0·40	0	Ispahan.
7	13	1	1		2	1	1	N 28° E	N 16° E	3·8‡	2·8	+0·9	56	+10	61		·133	P	9·6	+5·8	2			0·67	1·29	−0·62	2·98	2·66	+ 0·32	0·38	Tehran.
2				1		1	6	N45° W	N 8° W	3·9	3·2	+0·7	27	+ 2	76	−4	·208	−·036	4·0	+1·4	2			1·14	1·38	−0·24	1·88	3·02	− 1·14	0·60	Baghdad.
2	1	7	5	4	5	1		S 35° E					33		68††		·294††		6·1††		12			7·68			12·63			1·32	Beirut.
5	22	2					1	N 39° E	N 30° E	13·7	13·5	+0·2	89	+15	72	−3	·560	−·092	5·5	−0·9	1			0·25	0·32	−0·07	0·37	0·69	− 0·32	0·21	Aden.
	1	23					1	N 87° E	S 31° E	19·0	19·3	−0·3	96	+13	72	−4	·684	0	2·8	−2·4	2			0·35	0·34	+0·01	0·35	0·42	− 0·7	0·20	Perim.
0	8	3	2	1	3			N 36° E	N 36° E	5·4	7·8	−2·4	46	−31	83	+3	·876	+·009	5·8	−0·4	13			4·24	3·27	+1·47	17·68	6·14	+11·54	0·69	Zanzibar.
	5		1		2		6	?		9·0			43				·882		5·8		6			2·28			7·70			0·68	Do. Dunga.‖‖

‡ Observations of 30 days.

† Uncorrected readings.

‖‖ Wind direction for 14 days.

‡ Indeterminate.

Table C.—Abstract of observations taken at 8 hrs. at 24 fourth class stations in India, in January 1907.

Tabl

Abstract of observations taken at 8 hrs

Number of Subdivision.	Station.	Temperature of air.												Wind direction.										
		Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.	Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
	II.—Eastern Bengal and Assam.																								
4	Bishnath	49·2	75·1	...	44·9	...	60·0	...	30·2	78·8	10th, 11th & 12th.	37·8	1st	41·0	...	...	...	...	...	...	...	...	...	...	...
	Borjuli	53·3	78·9	...	45·1	...	62·0	...	33·8	82·8	7th	38·2	1st	44·6	...	...	...	...	...	...	...	...	...	...	...
	Chandkhira	58·0	78·2	...	52·7	...	65·5	...	25·5	82·0	6th	46·5	22nd	35·5	...	...	...	...	...	...	...	...	...	...	...
	Doom Dooma	49·7	62·9	...	44·8	...	53·9	...	17·6	69·6	30th	40 1	18th & 19th.	29·5	...	...	...	...	...	...	...	...	...	...	...
	Dikom	49·7	71·1	...	45·3	...	58·2	...	25·8	79·6	19th	38·3	1st	41·3	...	...	...	...	...	...	...	...	...	...	...
	Golaghat	55·4	73·3	...	49·0	...	61·2	...	24·3	77·6	13th	42·0	1st	35·6	...	...	...	...	...	...	...	...	...	...	...
	Hailakandi	59·4	79·4	...	?	...	?	...	?	84·0	17th & 30th.	?	?	?	...	...	...	...	...	...	...	...	...	...	...
	Jorehat	54·2	74·2	...	49·8	...	62·0	...	24·4	78·9	19th	43·4	1st	35·5	...	...	...	...	...	...	...	...	...	...	...
	Messa	59·2	80·1	...	46·3	...	63·2	...	33·8	84·3	8th	40·2	1st	44·1	...	...	...	...	...	...	...	...	...	...	...
	Panerihat*	48·5	77·5	...	46·8	...	62·2	...	30·7	80·9	10th	41·0	2nd	39·9	...	...	...	...	...	...	...	...	...	...	...
	Srimangal	58·8	85·0	...	52·5	...	68·8	...	32·5	84·3	18th	45·2	2nd	39·1	...	...	...	...	...	...	...	...	...	...	...
	Tura†	70·4	75·6	...	58·7	...	67·1	...	16·9	78·6	5th, 18th & 19th.	53·4	16th	25·2	...	4	...	1	10	...	16	...	...	S 12° W	...
5	Brahmanbaria	63·6	80·6	...	56·0	...	68·3	...	24·6	83·8	29th	50·6	1st & 9th.	33 2	...	...	...	...	...	...	...	...	...	...	...
	Dam Dim	48·8	83·7	...	45·1	...	64·4	...	38·6	87·9	26th	36·9	1st	51·0	...	...	...	...	...	...	...	...	...	...	...
	Goalundo	59·4	79·6	...	52·8	...	66·2	...	26·8	85·5	28th	46·8	3rd	38·7	...	...	...	...	...	...	...	...	...	...	...
	Kalchini	62·8	77·1	...	48·2	...	62·7	...	28·9	81·0	19th	42·0	2nd	39·0	...	...	...	...	...	...	...	...	...	...	...
	Nagrakata	64·1	77·4	...	52·3	...	64·9	...	25·1	81·1	10th	45·9	1st	35·2	...	...	...	...	...	...	...	...	...	...	...
	Pabna	63·2	84·3	...	53·7	...	69·0	...	30·6	89·0	29th & 31st.	49·5	3rd	39·5	...	...	...	...	...	...	...	...	...	...	...
	III.—Bengal.																								
6	Fraserganj	70·8	...	No observations taken en of maximum and minimum thermometers											1	9	...	...	...	9	5	1	6	N 84° W	...
	XI.—Central Provinces.																								
24	Chhindwara	...	...	...	...	...	...	...	...	...	Observatory not opened			...	...	...	...	...	...	...	...	...	...	...	...
	Hill Stations.																								
	Panighatta	61·0	76·7	...	55·6	...	66·2	...	21·1	84·3	19th	51·6	2nd	32·7	...	..	...	...	...	...	...	...	...	...	...
	Kurseong	50·7	60·4	...	48·2	...	54·3	...	12·2	65·1	6th	46·0	25th	19·1	...	...	...	...	...	...	...	...	...	...	...
	Poo	...	40·9	...	28·0	...	34·5	...	12·9	55·4	6th	18·2	13th	37·2	21	...	...	2	3	1	1	...	2	S 45° E	...
	Killa Drosh	38·7	51·3‡	...	...	...	...	...	...	60·3	6th	...	...	...	...	1	2	...	...	...	5	...	2	N 85° W	...
	Pishin	...	61·0	...	29·0	...	45·0	...	32·0	72·3	19th, 20th & 21st.	13·0	30th	59·3	...	...	...	...	..	...	...	...	...	...	...

* Mean of 24 days.

‡ 10 hours observations.

C.

at 24 fourth class stations in India, etc., in January 1907.

Wind velocity.			Wind steadiness.		Hygrometry, 8 hrs.				Cloud.		Rainfall.									Heaviest rainfall during month.	Station.
Mean velocity, miles per hour.	Normal.	Percentage departure from normal.	Actual percentage.	Departure from normal.	Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Mean cloud amount at 8 hrs.	Departure from normal.	Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st December 1906 to 31st January 1907.	Normal rainfall for period.	Departure from normal of period 1st Dec. 1906 to 31st January 1907.		
27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
																					II.—Eastern Bengal and Assam.
...	...	...	...	...	100	...	·362	...	...	...	6	...	...	2·23	...	...	2·72	...	...	0·98	Bishnath.
...	...	...	...	...	90	...	·377	...	...	...	5	...	...	2·02	...	...	2·07	...	...	1·00	Borjuli.
...	...	...	...	...	98	...	·475	...	...	...	5	...	...	4·28	...	...	4·28	...	...	1·97	Chandkhira.
...	...	...	...	...	95	...	·344	...	...	...	4	...	...	1·33	...	...	1·33	...	...	0·46	Doom Dooma.
...	...	...	...	...	93	...	·339	...	...	...	4	...	...	0·92	...	...	0·92	...	...	0·43	Dikom.
...	...	...	...	...	90	...	·406	...	...	...	6	...	...	2·31	...	...	2·31	...	...	0·76	Golaghat.
...	...	...	...	...	93*	...	·482*	...	...	...	5	...	...	10·37	...	...	10·37	...	...	5·85	Hailakandi.
...	...	...	...	...	96	...	·406	...	...	...	5	...	...	1·85	...	...	1·85	...	...	0·89	Jorehat.
...	...	...	...	...	83	...	·421	...	...	...	5	...	...	1·85	...	...	1·99	...	...	0·49	Messa.
...	...	...	...	...	94	...	·327	...	...	...	1	...	...	0·36	...	...	0·40	...	...	0·36	Panerihat.
...	...	...	...	...	94	...	·477	...	...	...	4	...	...	1·37	...	...	1·37	...	...	0·72	Srimangal.
...	...	...	45	...	63	...	·469	...	...	...	0	...	...	0	...	...	0	...	...	0	Tura.
...	...	...	...	...	93	...	·553	...	...	...	1	...	...	0·15	...	...	0·15	...	...	0·15	Brahmanbaria.
...	...	...	...	...	97	...	·349	...	...	...	1	...	...	0·28	...	...	0·28	...	...	0·17	Dam Dim.
...	...	...	...	...	88	...	·453	...	...	...	0	...	...	0	...	...	0	...	...	0	Goalundo.
...	...	...	...	...	80	...	·463	...	...	...	3	...	...	1·03	...	...	1·03	...	...	0·48	Kalchini.
...	...	...	...	...	73	...	·430	...	...	...	2	...	...	1·92	...	...	1·92	...	...	1·38	Nagrakata.
...	...	...	...	...	78‡	...	·458‡	...	...	...	0	...	...	0	...	...	0	...	...	0	Pabna.
																					III.—Bengal.
...	...	...	29	...	79	...	·600	...	...	...	0	...	...	0	...	...	...	...	...	0	Fraserganj.
																					XI.—Central Provinces.
Observatory not opened				...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Chhindwara.
																					Hill Stations.
...	...	...	...	...	70	...	·376	...	...	...	1	...	...	0·30	...	...	0·30	...	...	0·14	Panighatta.
...	...	...	...	...	71	...	·263	...	...	...	2	...	...	0·59	...	...	0·61	...	...	0·31	Kurseong.
...	...	...	10	...	...	...	...	...	4·9	...	4	...	...	1·41	3·20	—1·79	1·50	4·25	—2·75	0·42	Poo.
...	...	...	35	...	72	...	·171	...	4·1	...	8	...	...	2·47	...	...	3·73	...	...	0·82	Killa Drosh**
...	...	...	...	...	...	...	...	...	...	...	0	4·30	—4·30	0·03	2·16	—2·13	0·33	3·36	—3·03	0·03	Pishin.

‡ Mean of 30 days.

** Wind directions for 10 days.

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

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 I of the 8 hrs. observations. The mean wind directions for the hill stations are indicated by broken arrows to distinguish them from the wind arrows for the plain stations. The mean velocity of the winds during the month is shewn by the following notation:—

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

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

PLATE III.

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

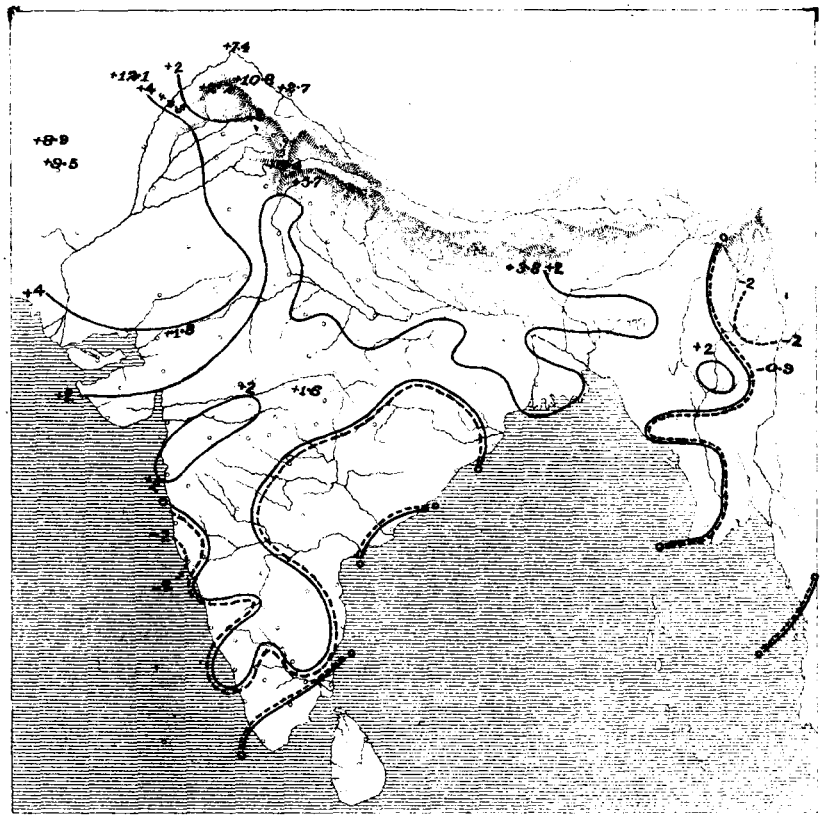

CHART SHEWING THE DEPARTURE FROM NORMAL
OF THE MONTHLY MEAN OF DAILY
MINIMUM TEMPERATURE.

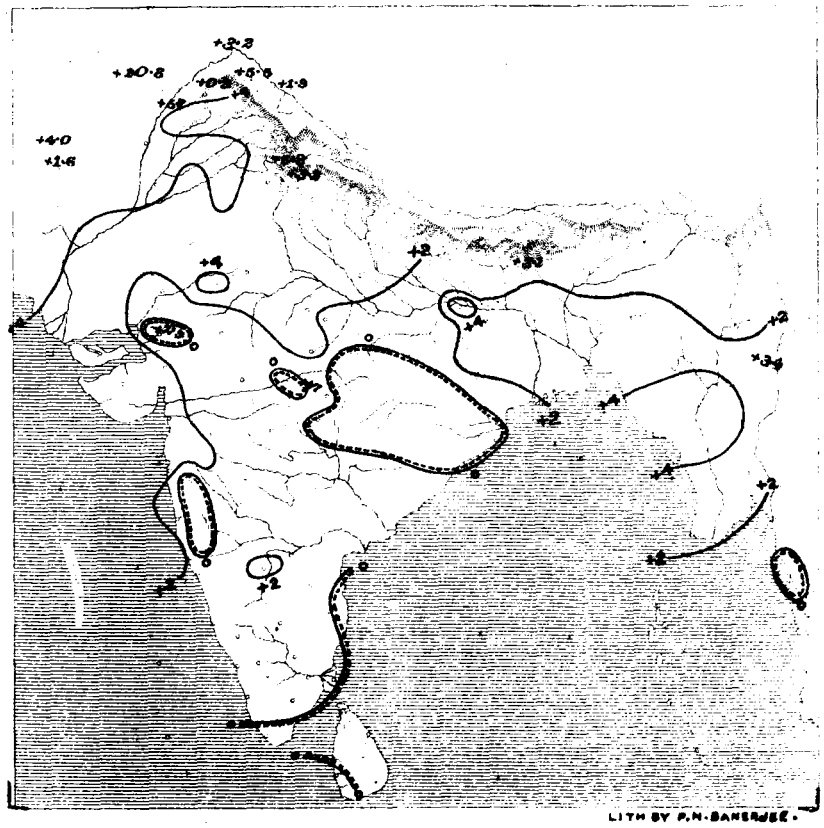

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PLATE IV.

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

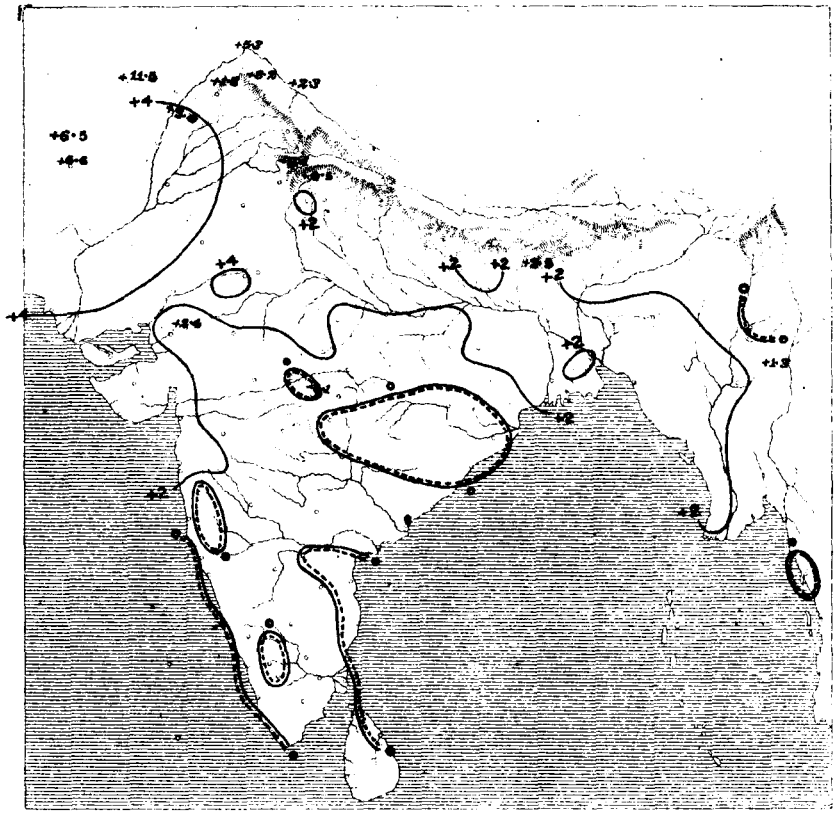


CHART SHEWING THE MONTHLY MEAN OF
PRESSURE AND RESULTANT
WIND DIRECTION.

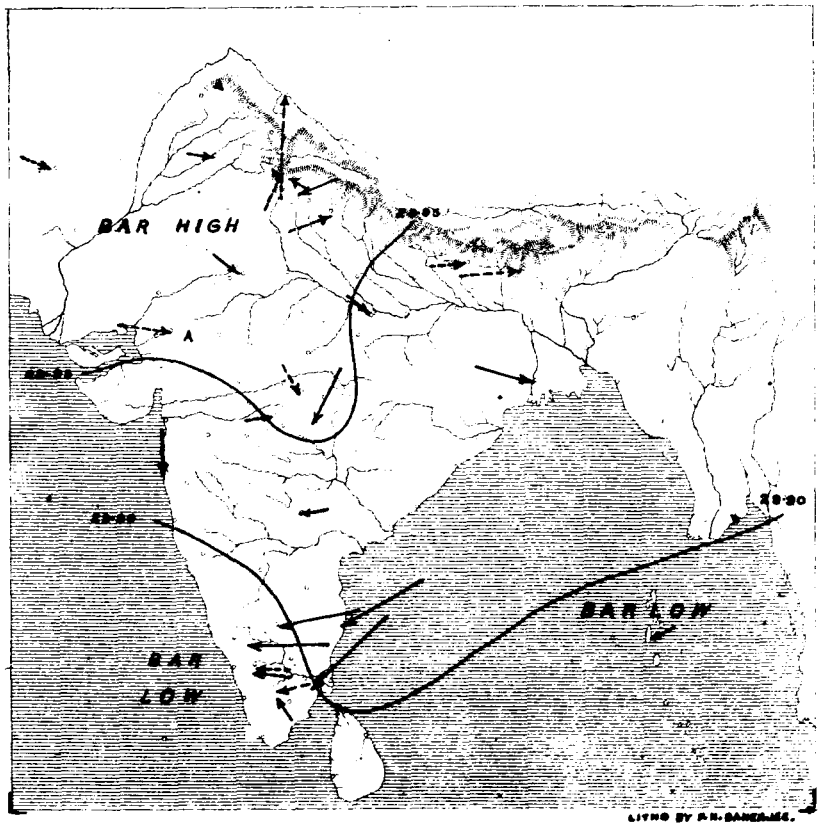


PLATE V.

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

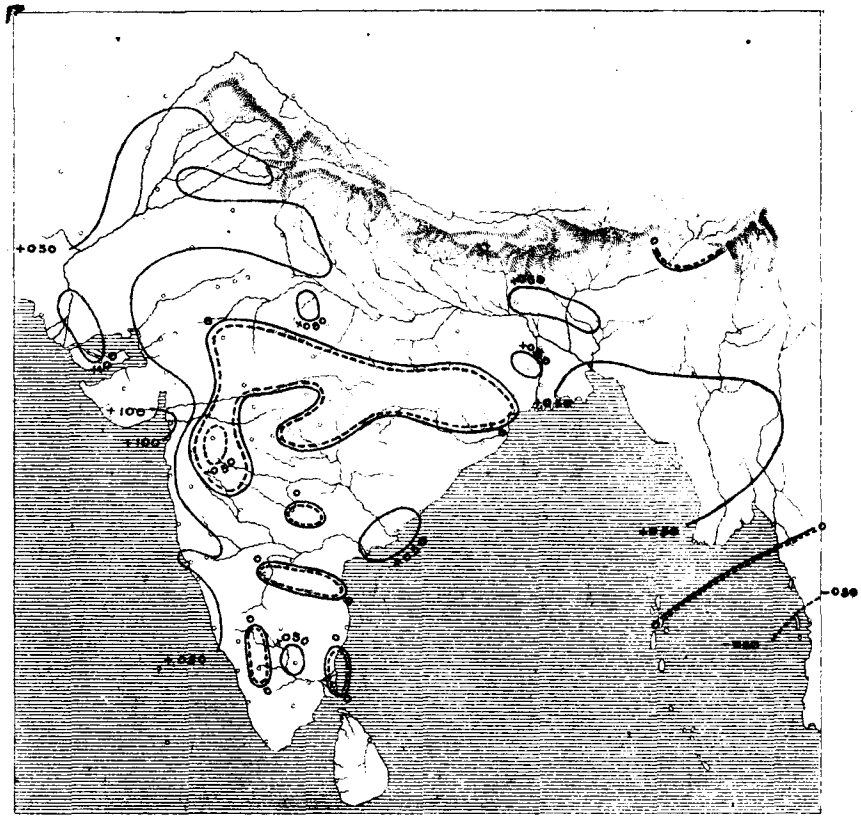


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF RELATIVE HUMIDITY AT 8 HRS.

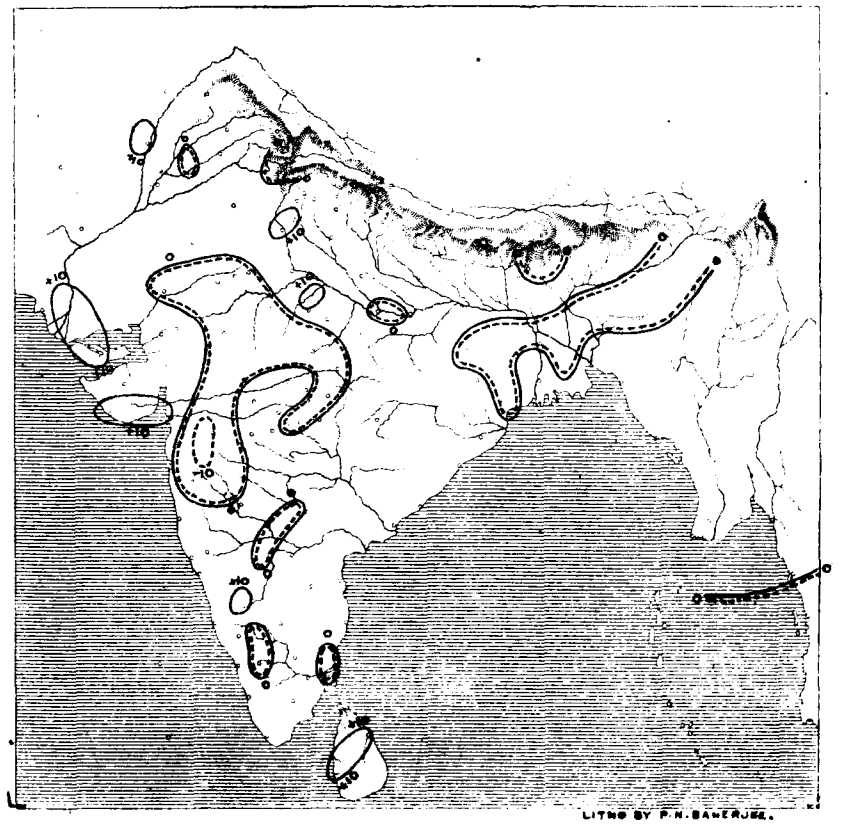


PLATE VI.

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

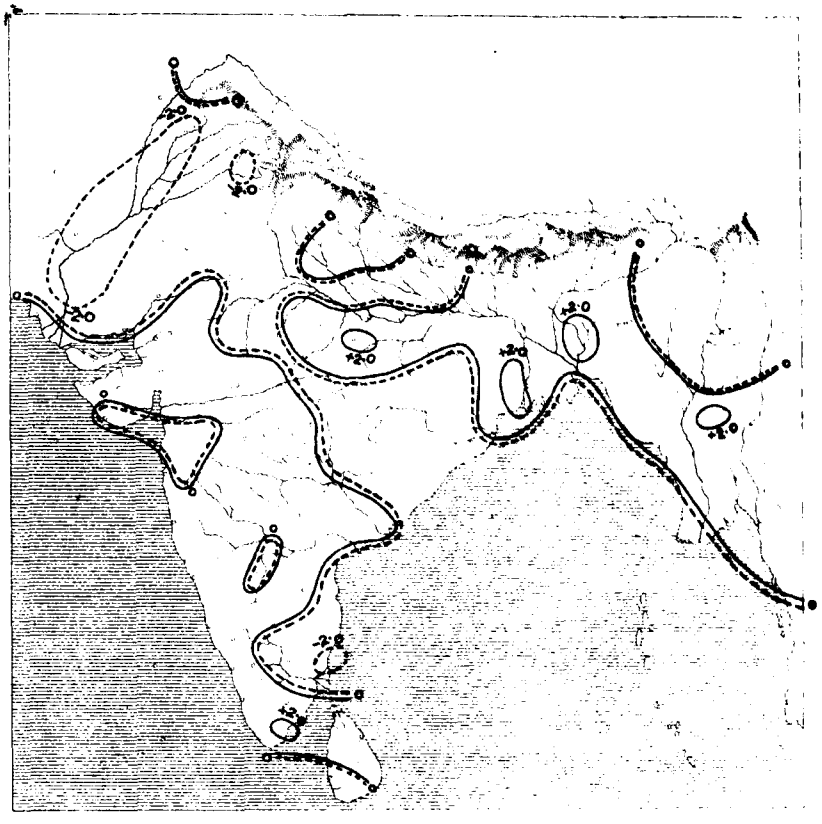
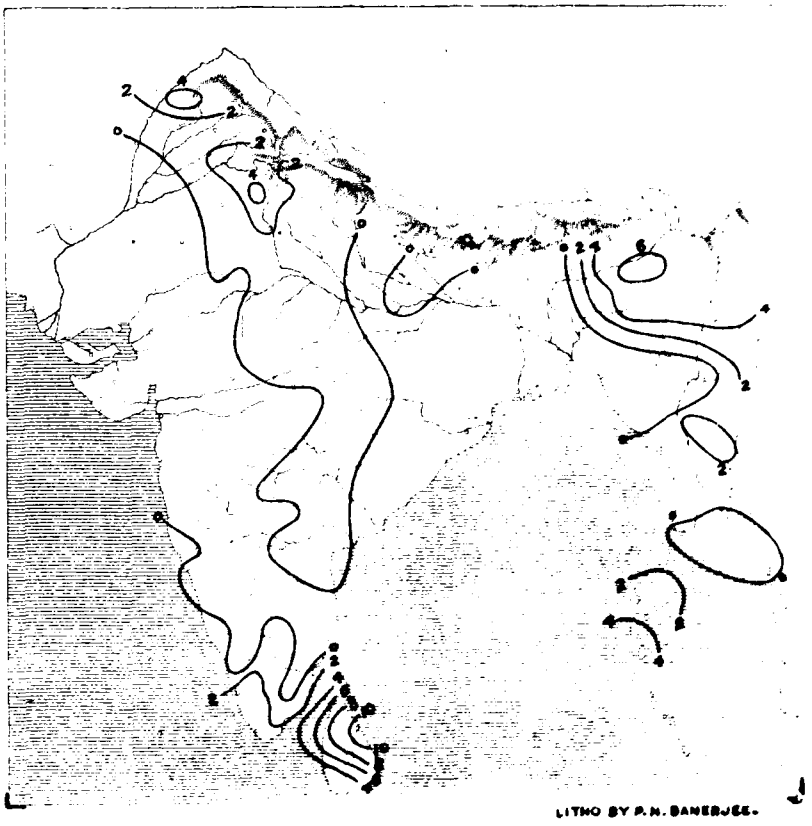


CHART SHEWING THE TOTAL NUMBER OF DAYS IN THE MONTH ON WHICH RAINFALL EQUALLED OR EXCEEDED 0·10 INCH.



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The country is divided into 31 areas as shewn in the list below. The numbers in that list correspond with the red numbers on the chart, and serve to identify the areas. The numbers in brackets on the chart give the average over the divisions of the normal monthly rainfall; the numbers above these give the departures from normal of the average actual rainfall over the divisions.

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

GOVERNMENT OF INDIA.

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INTRODUCTION.

THIS review of the weather in India during the month of February 1907, is based on observations taken daily at 8 hrs. at 235 stations, and on additional observations taken at 10 hrs. and 16 hrs. at 36 stations. In the rainfall summary the data furnished by the meteorological observatories, and such rainfall statements of the month as had been published by the provincial Governments up to the date of the preparation of the review have been utilized. The brief notes on solar, seismic and magnetic disturbances are supplied by the chief observatories.

Summary of the chief features of the weather in India during the month of February, 1907.

2. (*a*) The weather during the month was chiefly characterized by excessive precipitation in northern and central India.

(*b*) Four depressions crossed northern India from west to east and during the first and third most of the rainfall and snowfall was received.

The 1st entered India on the 4th and disappeared on the 7th.

The 2nd entered India on the 10th and disappeared on the 14th.

The 3rd entered India on the 16th and disappeared on the 21st.

The 4th entered India on the 22nd and disappeared on the 26th.

(*c*) Within the third depression a deep secondary formed in the north Punjab on the 18th and disappeared the next day.

(*d*) Two cold waves of moderate severity crossed northern India; the first lasted from the 4th to the 12th and the second from the 16th to the 28th.

(*e*) Maximum temperature on the mean of the month was in large defect.

(*f*) Minimum temperature was almost normal.

Solar, seismic and magnetic disturbances.

SOLAR PHYSICS OBSERVATORY, KODAIKANAL.

Solar Observations—February 1907.

3. The month was a favourable one for solar work and complete observations were made on every day.

Sunspots.—The increased solar activity noticed in December and January continued throughout the month: 32 new groups were recorded and the mean daily number was 7·1. Not only were the spots numerous, but several of the groups were of a very large size and one, at least, (No. 1061) was easily seen without a telescope. Five of the groups were returns of groups seen during the previous rotations. For once the groups were nearly equally divided between the northern and southern hemispheres, the numbers being 17 and 15 respectively. The distribution in latitude was as follows:—

	0°-10°	10°-20°	20°-30°
North	4	11	2
South	5	10	...

The chief groups of the month were Nos. 1057, 1058, 1061 and 1075. No. 1057 was visible from the 4th to the 16th. It was, at first, irregular in outline and had many small companions, but by the time it had reached the central meridian most of the companions had disappeared and the main spot had increased in size and had become more regular in shape. The umbra was a double one. No. 1058 formed on the visible disc on the 5th. It rapidly developed and on the 9th it consisted of two pairs of regular spots close together. After this it underwent little change. The largest group of the month was No. 1061, already referred to: it was a return of 1010 and 1034. It had changed largely in size and shape since its last appearance and changes continued during this appearance. On most days the spectrum indicated disturbance. No. 1075 was first seen on the 20th and was formed on the visible disc. It rapidly developed and after it had crossed the central meridian on the 23rd it consisted of three moderate-sized spots in a train. On the 25th the middle spot filled up but the other two remained till the spot disappeared round the limb.

Prominences.—Large prominences were as abundant as in January. 75 prominences of over one minute in height were recorded and of these 10 were more than two minutes high. The tallest was one seen on the 4th, at position angle 90°, which reached a height of 210″.

Magnetic disturbances.—A "very great" magnetic disturbance took place from 6 hrs. on the 9th to 10 hrs. on the 10th and "moderate" disturbances occurred on the 8th and 14th. Group 1057 crossed the central meridian on the early morning of the 10th and 1065 crossed on the 9th. On the 14th no spot was very near the central meridian.

C. MICHIE SMITH,

Director,

Kodaikanal and Madras Observatories.

COLABA OBSERVATORY, BOMBAY.

Note on the Alibag Magnetic Record, February 1907.

4. During the month the traces showed 5 calm days, 16 days of small, 5 days of moderate and 2 days of great disturbance.

The days of the month selected as quiet are the 4th, 5th, 6th, 19th and 27th.

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

Declination	1° 4′ 51″ East.
Horizontal Force	0·36876 C. G. S. Unit.
Dip	23° 12′3″.
Horizontal Force Range	0·00055 C. G. S. Unit.
Horizontal Force Summed Range	0·00335 C. G. S. Unit.
Declination Range	1′39.
Declination Summed Range	8′·10.

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

MAGNETIC DISTURBANCES.

February 1907.

February 1907.		February 1907.		February 1907.	
	S.	11	M.	21	S.
2	S.	12	M.	22	S.
3	S.	13	S.	23	
4	C.	14	M.	24	S.
5	C.	15	S.	25	S.
6	C.	16	S.	26	S.
7	M.	17	S.	27	C.
8	M.	18	S.	28	S.
9	G.	19	C.		
10	G.	20	S.		

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

Seismic Disturbances recorded at Colaba.

Only two small seismic disturbances were recorded during the month on the 9th and the 24th, as given in the following list.

Date.	Commencement.	Maximum.	End.	Amplitude in mm.	Duration.
	H. M.	H. M.	H. M.		H. M.
9th	4 48·9	4 50·6	5 4·8	0·5	0 15·9
24th	7 53·4	8 2.5	8 33·2	0·5	0 39·8

All times given above denote G. M. T.

N. A. F. MOOS,

Director,

Government Observatories, Bombay and Alibag.

5. *List of displacements recorded by the Milne Seismograph at the Alipore Observatory during February 1907.*

Date 1907.	P. T. Commencement. G. M. T.	L. W. Commencement. G. M. T.	Maximum G. M. T.	End. G. M. T.	Duration.	Maximum displacement on trace from mean position mm.	REMARKS.
	H. M.	H. M.	H. M.	H. M.	H. M.		
February 3rd	19-49·1	19-57·3	19-57·8	20-47·6	0-58·5	1·00	
" 24th	8-2·0	...	...	8-44·7	0-42·7	...	Thickening of line.

C. W. PEAKE,

Meteorologist, Calcutta.

SIMLA OBSERVATORY.

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

Date.	Beginning of 1st P. T. G. M. T.	Beginning of 2nd P. T. G. M. T.	Beginning of L. W. G. M. T.	Time of Maximum amplitude G. M. T.	Approximate End G. M. T.	Duration.	Maximum displacement of style mm.	Remarks.
	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.		
23rd	...	...	...	10 0	...	...	0. 5	Local.

J. PATTERSON,
Imperial Meteorologist, Simla.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

7. *Solar observations*:—Observations were taken on every day except the 3rd, 4th, 23rd, 24th, 25th and 27th, groups of sunspots being seen on each day of observation. They were particularly numerous between the 11th and 16th and faculæ were visible throughout.

Day.	Time.	Disturbance.
7	12 h. to	
8	17 h.	
9	8 h. to	
10	11 h.	
10	21½ h. to 23 h.	Wave in H. F. (+ 15).
11	0 to 3 h.	Small rapid fluctuations in H. F.
11	22 to 24 h.	Wave in H. F. (+ 24).
12	1½ to 3½ h.	Wave in H. F. (+ 54); in Dec. (−27); Small fluctuations followed in H. F. till 6h.
13	23½ to	Wave in H. F. (+ 17) steep at commencement.
14	1 h.	
14	2½ to 3½ h.	Wave in H. F. (−9).
14	8½ to 8½ h.	Wave in H. F. (−15).
14	8½ h.	Sudden increase in Dec. (3'0').
14	12 to 18 h.	Decrease in H. F. (94).
14	19 to 19½ h.	Wave in H. F. (+ 36), in Dec. (+ 3'0).
14	22½ to 23½ h.	Wave in H. F. (+ 30).
17	21½ to 22½ h.	Wave in H. F. (+ 14).
22	18½ to 20 h.	Wave in H. F. (−17).
23	1½ h. to ?	Wave in H. F. (+ 16).
23	5½ to 6½ h.	Wave in H. F. (+ 13).
23	20½ to 22½ h.	Wave in H. F. (+ 15).
24	23½ h. to	Two successive waves in H. F. (+ 18 and + 8), in Dec. (+ 1''2 and + 1''0).
25	1½ h.	
25	15½ to 16½ h.	Wave in H. F. (−13).
26	0½ to 2½ h.	Wave in H. F. (+ 18).

Weather in the Indian monsoon region.

8. Pressure was much higher than usual in the southern Indian Ocean, as represented by Mauritius; the excess apparently diminished northwards, becoming almost evanescent at Zanzibar and Seychelles.

Winds were considerably below their normal strength; at Zanzibar the direction was less easterly and at Seychelles more westerly than usual.

Rainfall was about 40 per cent. in excess of the normal at Seychelles, and in large defect at the other two stations.

The following table gives the pressure and wind data for the three stations:—

February 1907.	Mauritius.	Zanzibar.	Seychelles.
Departure from normal of mean pressure.	+·052	+·012	+·006
Actual mean wind direction.	S 85° E	N 50° E	N 2° W
Normal mean wind direction.	S 81° E	N 33° E	N 21° W
Actual mean wind velocity (miles per diem).	205	117	109
Normal mean wind velocity (miles per diem).	264	161	147
Rainfall departure from normal.	−4·47	−1·54	+ 5·01

Barometric depressions and cold weather storms.

9. The weather was affected by four depressions which passed across northern India from the west to the east and in consequence abnormally heavy rainfall occurred during the month.

The first of the series reached Baghdad on the 31st January and entered India on the 4th February; in its passage eastward it gave light rain at Jask on the 3rd and in Baluchistan on the 4th. When the depression reached India it coalesced on the 5th with another which had formed over Gujarat on the 2nd. The combined depressions appear to have remained stationary over Rajputana and on the 5th, 6th and 7th caused rain over the country west of Bengal and north of the latitude of Nagpur. The rainfall was heavy

and general in the United Provinces and the Punjab; at Benares the total fall amounted to 5·12″ and at Roorkee to 3·07.″ The depression also caused heavy snow in Kashmir and the west Himalayas on the same date.

The second depression followed very closely after the first and occasioned heavy rain at the entrance to the Persian Gulf on the 8th and light precipitation in Baluchistan on the 9th, 10th and 11th; a local depression, as in the preceding case, formed over Gujarat and combined with the Persian depression on its arrival in India; this disturbance was transmitted across northern India and reached Assam on the 14th. The rainfall associated with it was again very widespread over northern and central India, excluding Rajputana and central India (west) but it was much lighter and not so general in character. In the Central Provinces thunderstorms and hailstorms were numerous.

The third depression passed through Persia on the 15th, when it gave rain in the Persian Gulf and entered north-west India next day. This depression differed from the previous ones in that after its entry into India it was very diffused in character, being hardly discernible as a depression and that within it a deep secondary depression formed in the north Punjab on the 18th. The secondary caused very heavy precipitation in Kashmir and the west Himalayas, the total fall at Sonemarg amounting to 3·83″ and at Simla to 3·16″. The primary depression was also very active and caused light to moderately heavy rainfall over northern and central India excluding Eastern Bengal and Assam and Bengal and disappeared in Assam on the 21st. *Numerous hailstorms also occurred during the passage of the depression.

The fourth and last depression of the month appeared in Persia on the 19th, but it did not affect the Indian weather beyond giving cloud along its track, until it reached north-east India on the 26th when it gave rain locally in deltaic Bengal and Assam.

* An exceptionally severe hailstorm was reported from the Limbdi and Wadhwan states in Kathiawar on the 17th and destroyed most of the crops within its track while numbers of sheep, goats and birds were killed; the hailstones were about the size of cotton bolls and the storm lasted for 10 or 15 minutes.

Atmospheric pressure.

10. Pressure departures at 8 hrs. were somewhat irregularly distributed being in slight defect in Arakan, the North-West Frontier Province, Rajputana, Central India, the Bombay Presidency and the central districts of Madras, and in slight to moderate excess of the normal over the rest of the country; on the mean of the whole land area of India there was an excess of ·006″, while the provincial departures are given in the appended table.

Province.	Departure from normal of mean 8 hrs. pressure.
	″
Burma	+·003
Eastern Bengal and Assam	+·017
Bengal	+·019
United Provinces	+·012
Punjab	+·006
North-West Frontier Province	—·005
Sind	—·021
Rajputana	—·008
Bombay	—·003
Central India	—·001
Central Provinces	0
Hyderabad	+·010
Mysore	+·002
Madras	+·004

It will be seen from the above table that the greatest deficiency of pressure was ·021″ in Sind and the greatest excess ·019″ in Bengal. The horizontal distribution was thus approximately normal.

Conditions were on the other hand very abnormal at the level of the observing stations in Baluchistan, and upper India where pressure was in marked defect relatively to the neighbouring plains; in other words the vertical gradient was much steeper than usual over these regions, a type of distribution usually associated with more disturbed weather than usual.

In the following table are given the departures from normal of the pressures at 8 hrs. of some of the hill stations and opposite to each hill station is given the coresponding data for the station in the plains which is most conveniently situated with reference to it. The last column shows the difference between the pairs of stations so associated :—

Hill station.	Departure from normal pressure A.	Plain station.	Departure from normal pressure B.	Departure of pressure difference B—A.
	″		″	″
Quetta	—·055	Jacobabad	—·012	+·043
Leh	—·032	Lahore	—·007	+·025
Murree	—·022	Peshawar	—·006	+·016
Simla	—·032	Ludhiana	+·007	+·039
Chakrata	—·019	Roorkee	+·020	+·039
Darjeeling	+·013	Dhubri	+·016	+·003
Lashio	—·024	Bhamo	+·032	+·056
Mount Abu	—·027	Deesa	—·017	+·010
Pachmarhi	—·016	Khandwa	—·010	+·006

Temperature.

11. The departures from normal of the temperature conditions of the month were determined almost solely by the distribution of rainfall, snowfall and cloud. Temperature both by day and by night did not differ much from the normal in the Peninsula excluding the Central Provinces and in Burma, the regions where rainfall and cloud were slightly less than usual. Maximum temperature was unusually low over the whole of northern and central India, west of Bengal, where the precipitation of the month was much above the normal. The deficiency in the maximum was greatest in the east and north Punjab and the central districts of Rajputana, in which areas it varied from 6° to 8°. On the other hand the prevalence of cloudy and rainy weather prevented nocturnal radiation and the minimum was normal or in slight excess over the whole of northern and central India, the greatest excess however did not exceed on the average of the month 4° as compared with a deficiency of over 8° in the maximum at a few stations.

Four waves of low temperature affected northern India during the month; of these the second and fourth were moderately severe and advanced right across the country from the north-west frontier to Burma between the 4th and 12th and the 16th and the 28th.

The data for provinces and divisions are given in the following tables:—

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

Division.	Actual temperature.					Departure from normal of month of		
	Mean maximum.	Mean minimum.	Monthly mean of mean between maximum and minimum.	Mean daily range of temperature.	Absolute range during month.	Maximum.	Minimum.	Daily range.
	°	°	°	°	°	°	°	°
1. Bay Islands	86·1	75·5	80·8	10·6	17·9	—1·2	—0·4	—0·8
2. Lower Burma	89·2	67·7	78·5	21·5	31·4	—0·1	+1·5	—1·6
3. Upper do.	86·8	57·4	72·1	29·4	41·8	—0·3	+0·4	—0·7
4. Assam	75·1	55·1	65·1	20·0	30·9	—1·6	+0·4	—2·0
5. Eastern Bengal	79·2	56·4	67·8	22·9	37·0	—0·4	+1·0	—1·4
6. Bengal	81·1	59·9	70·5	21·2	36·2	—1·2	+1·0	—2·2
7. Orissa	84·6	65·4	75·0	19·2	32·0	—2·1	+1·6	—3·7
8. Chota Nagpur	76·9	56·2	66·6	20·7	35·0	—4·0	+0·7	—4·7
9. Bihar	75·1	54·9	65·1	20·1	35·6	—3·5	+0·7	—4·2
10. United Provinces East	74·3	53·1	63·7	21·2	38·4	—4·6	+1·5	—6·1
11. Do. do. West	70·5	50·6	60·7	19·9	36·6	—5·0	+0·4	—5·4
12. Punjab East and North	65·8	47·7	56·8	18·1	38·1	—5·6	+1·0	—6·6
13. Do. South-West	68·1	46·8	57·5	21·3	45·5	—3·6	+0·1	—3·7
14. Kashmir	36·6	16·8	26·7	19·8	40·5	—0·3	+1·9	—2·2

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 month of Maximum.	Minimum.	Daily range.
	°	°	°	°	°	°	°	°
15. North-West Frontier Province	64·1	44·7	54·4	19·8	42·8	—4·9	+0·9	— 5·8
16. Baluchistan	51·9	35·7	43·4	15·3	50·4	—5·7	—0·9	— 4·8
17. Sind	74·5	54·7	64·6	19·7	47·9	—5·0	+1·1	— 6·1
18. Rajputana West	74·8	54·0	64·4	20·8	51·0	—5·0	+1·6	— 6·6
19. Do. East	74·6	53·2	63·9	21·4	46·1	—5·6	+2·1	— 7·7
20. Gujarat	83·0	60·5	71·8	22·5	43·7	—2·1	+1·7	— 3·8
21. Central India West	79·7	53·6	66·7	26·1	47·6	—2·6	+1·5	— 4·1
22. Do. East	75·1	54·0	64·6	21·1	40·4	—4·9	+2·3	— 7·2
23. Berar	86·7	60·6	73·7	26·2	44·4	—3·7	+1·0	— 4·7
24. Central Provinces West	81·8	57·3	69·6	24·6	42·5	—3·3	+1·4	— 4·7
25. Do. do. East	83·0	58·7	70·9	24·4	39·1	—3·1	+0·7	— 3·8
26. Konkan	84·4	69·7	77·1	14·7	24·4	—0·9	+0·8	— 1·7
27. Bombay Deccan	90·2	59·9	75·1	30·4	48·5	—0·1	+0·9	— 1·0
28. Hyderabad North	89·7	63·0	76·4	26·7	39·6	...	...	...
29. Hyderabad South	91·2	66·8	79·0	24·4	35·9	—0·7	+0·9	— 1·6
30. Mysore	88·4	62·1	75·3	26·3	36·2	+0·8	+0·7	+ 0·1
31. Malabar	87·6	73·9	80·8	13·8	20·1	—0·3	+1·0	— 1·3
32. Madras South-East	89·6	69·1	79·3	20·5	31·6	—0·1	+0·4	— 0·5
33. Madras Deccan	94·3	67·4	80·9	26·8	38·6	—0·3	+1·0	— 1·3
34. Madras Coast North	85·2	70·3	77·8	14·9	24·8	—0·9	+1·2	— 2·1

Winds.

12. In general the winds were feebler than usual in northern India and above their normal strength in the peninsula. Directions varied rather irregularly and in some cases largely from the normal. From the standpoint of the weather these deviations from the normal type were however of but little significance.

Province.	Departure from normal of Hourly wind velocity.	Wind steadiness.
Burma	—0·7	— 8
Eastern Bengal and Assam	—0·6	+ 6
Bengal	—0·1	+10
United Provinces	—0·8	— 7
Punjab	+0·3	+ 7

Province.	Departure from normal of Hourly wind velocity.	Wind steadiness.
North-West Frontier Province	—1·2	—19
Sind	—0·7	+ 2
Rajputana	+0·7	+17
Bombay	—0·3	— 3
Central India	—1·0	+ 4
Central Provinces	+0·3	—.2
Hyderabad	—0·3	+10
Mysore	—0·6	— 4
Madras	+0·2	+ 1

Humidity and cloud.

13. The humidity of the air was high over by far the greater part of the Indian area. This was especially the case in a belt stretching westwards from Orissa and Chota Nagpur to lower Sind where the largest excess of rainfall occurred.

Eastern Bengal and Assam, Khandesh, the Coromandel coast and a part of Pegu were the only areas where there was a deficiency of moisture, both absolute and relative.

There was more than the average proportion of cloud over practically the whole of northern India and in a minor degree this feature was shared by the north-eastern half of the Deccan, the north Madras coast and parts of south India.

On the other hand there was rather less cloud than usual in the remainder of the peninsula, at most stations in Burma and in the adjacent districts of Eastern Bengal and Assam.

The table given below gives the data for both humidity and cloud.

PROVINCE.	HYGROMETRY; 8 HOURS.				CLOUD.	
	Mean Humidity.	Departure from normal.	Mean vapour tension in inches of mercury.	Departure from normal in inches of mercury.	Mean Cloud amount at 8 hours.	Departure from normal.
	%		"			
Burma	81	+ 2	·355	+·009	1·5	—0·4
Eastern Bengal and Assam.	85	0	·465	+·007	3·4	+0·7
Bengal	81	+ 7	·475	+·032	3·3	+1·1
United Provinces	82	+11	·375	+·039	4·3	+1·5
Punjab	84	+ 9	·325	+·039	5·1	+1·4
North-West Frontier Province.	82	+ 9	·280	+·024	5·6	+1·7
Sind	70	+ 9	·354	+·035	4·4	+1·7
Rajputana	66	+11	·323	+·057	4·6	+2·0
Bombay	67	+ 6	·482	+·044	1·6	+0·5
Central India	68	+10	·355	+·038	3·8	+2·1
Central Provinces	67	+12	·408	+·077	2·6	+0·8
Hyderabad	60	+ 6	·480	+·045	1·4	—0·1
Mysore	71	+ 7	·514	+·042	1·6	—0·3
Madras	79	+ 2	·700	+·026	2·3	+0·1

Rainfall.

14. The precipitation of the month was unusually heavy over the country west of Bengal and north of the Nizam's Dominions, and occurred almost solely during four well-defined periods of disturbed weather, namely, on the 1st and 2nd, the 4th to the 8th, the 9th to the 15th and the 16th to the 20th. During the second and fourth of these periods the precipitation was moderately heavy and spread over practically the whole of northern and central India. In this part of the country the excess was actually greatest in central India (east) which obtained 4·69 inches, as compared with 0·62 inches, the normal fall of the month.

Burma, Madras, Mysore, the Bombay Deccan and the Konkan were completely and Assam partially beyond the influence of the disturbed conditions, and accordingly received less rain than usual:—

DIVISION.	NUMBER OF RAINY DAYS.		RAINFALL.			
	Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure.
			Inches.	Inches.	Inches.	Per cent.
Bay Islands	0	1·0	0	0·41	—0·41	—100
Lower Burma	0·1	0·3	0·03	0·19	—0·16	—84
Upper do.	0·1	0·4	0·04	0·17	—0·13	—77
Assam	3·2	3·3	1·28	1·39	—0·11	—8
Eastern Bengal and Assam	1·8	1·4	0·73	0·83	—0·10	—12
Bengal	2·3	1·5	0·93	0·85	+0·08	+9
Orissa	1·9	1·3	0·95	0·77	+0·18	+23
Chota Nagpur	4·6	1·6	2·27	0·76	+1·51	+199
Bihar	4·4	1·3	2·36	0·55	+1·81	+329

Division.	Number of rainy days.		Rainfall.			
	Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure.
			Inches.	Inches.	Inches.	Per cent.
United Provinces East	5·5	1·1	2·92	0·48	+2·44	+508
Do. do. West	4·9	1·6	2·87	0·87	+2·00	+230
Punjab East and North	5·4	2·2	3·30	1·24	+2·06	+166
Do. South-West	2·9	1·3	1·08	0·55	+0·53	+96
Kashmir	7·2	4·7	4·41	2·70	+1·71	+63
North-West Frontier Province	6·3	2·8	2·99	1·34	+1·65	+123
Baluchistan	6·7	3·8	3·30	1·59	+1·71	+108
Sind	3·0	0·7	1·31	0·25	+1·06	+424
Rajputana West	2·9	0·3	1·30	0·13	+1·17	+900
Do. East	3·2	0·6	1·76	0·26	+1·50	+577
Gujarat	1·1	0·2	0·38	0·11	+0·27	+245
Central India West	1·3	0·6	0·67	0·29	+0·38	+131
Do. do. East	6·9	1·3	4·69	0·62	+4·07	+656
Berar	4·0	0·6	3·17	0·23	+2·94	+1,278
Central Provinces West	5·2	0·8	3·30	0·38	+2·92	+768
Do. do. East	2·8	0·8	1·46	0·45	+1·01	+224
Konkan	0·1	0·1	0·04	0·05	−0·01	−20
Bombay Deccan	0·3	0·2	0·11	0·10	+0·01	+10
Hyderabad North	0·8	0·3	0·19	0·16	+0·03	+19
Do. South	0·2	0·4	0·06	0·18	−0·12	−67
Mysore	0	0·1	0	0·04	−0·04	−100
Malabar	0	0·2	0·01	0·18	−0·17	−94
Madras South-East	0·2	0·7	0·05	0·51	−0·46	−90
Do. Deccan	0	0	0	0·11	−0·11	−100
Do. Coast North	0·2	0·6	0·09	0·45	−0·36	−80

Division.	Rainfall in inches.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
Burma	0·04	0·18	−0·14	−78
Eastern Bengal and Assam.	1·01	1·11	−0·10	−9
Bengal	1·52	0·72	+0·80	+111
United Provinces	2·90	0·66	+2·24	+339
Punjab	2·84	1·09	+1·75	+161
North-West Frontier Province.	2·99	1·34	+1·65	+123
Sind	1·31	0·25	+1·06	+424
Rajputana	1·62	0·23	+1·39	+604

Division.	Rainfall in inches.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
Bombay	0·18	0·09	+0·09	+100
Central India	1·50	0·35	+1·15	+329
Central Provinces	2·84	0·34	+2·50	+735
Hyderabad	0·12	0·17	−0·05	−29
Mysore	0	0·04	−0·04	−100
Madras	0·05	0·41	−0·36	−88
Mean of India when the size of the above areas is taken into account.	1·30	0·47	+0·83	+177

Snowfall.

I.—Afghanistán.

15. Snow fell at Kabul on twelve days. The total fall of the month was 36½ inches and the largest amount on any single day was 7 inches.

II.—North-West Frontier Province.

(*a*) *Wano.*—Snowstorms occurred on the 4th, 5th, 9th, 10th, 13th, and 16th. The snowline descended to 4,500 feet. At the end of the month there was an accumulation of about 6 inches on the peaks.

(*b*) *Kurram.*—During the month there were in all thirteen falls and most of these extended to Parachinar. The accumulation on the Sufed Koh was estimated at 10½ feet at the end of the month and all the passes were blocked.

(*c*) *Kohat.*—There were ten falls on the Samana range. The total fall of the month at Fort Lockhart was 4 feet 2 inches.

III.—Kashmir.

Snowstorms occurred at Leh on seven days. The total fall of the month measured only 4½ inches in depth. The accumulation of snow at the end of the month in the open fields round Leh did not exceed 1 foot in depth.

IV.—Punjab.

(*a*) *Murree.*—Snow fell on fifteen days at Murree and on four days on the hills near Kahuta; the total fall amounted to 7½ feet in the former and 3⅛ feet in the latter locality. The average amounts for the period are 4⅛ feet and 2¼ feet in the two cases.

(*b*) *Chamba.*—Snow fell almost without intermission during the period from the 3rd to the 20th giving a total much in excess of the average.

The snowline descended to 3,000 feet on the Bhandal range. The statement below gives the reported depth of snow accumulation at the recording stations:—

Forest Station or Range.	Depth of accumulation at the end of February.		
	Actual.		Normal.
	Ft.	In.	Ft.
Kalatop	11	6	7
Kainthli	2	0	4
Surkhigalli	0	2	1
Bea	2	0	2
Ulansa	0	4	4
Barmaur	7	2	6
Langera	6	0	7
Bhent	3	6	6
Bhandal	2	10	2
Alwas	3	0	4
Chairi	2	0	3½
Khangu	2	0	4
Bara	3	0	3
Kilar	3	9	1

The Khajiar road was blocked with snow. At the Timber Depot the accumulation measured 15 feet in depth and on the Chawari Pass more than 16 feet. The Sach Pass was closed.

(*c*) *Dalhousie.*—A total fall of 12 feet 10 inches fell during the month.

At Bakrota, Kalatop, Dainkund and Khajiar the total fall was at least double of that at Dalhousie.

(*d*) *Kulu.*—In all there were fourteen falls in the Kulu tahsil and 12 falls in the Saraj tahsil; the snowline descended to 3,500 feet in the former and to 5,200 feet in the latter locality. The falls of the 12th, 19th and 20th were heavy; the total fall of the month was however not greater than that received in February 1906.

The statement below gives the reported depth of accumulation on the various passes at the end of February 1907 with the corresponding average data:—

Kulu tahsil.				Saraj tahsil.			
Name of Pass.	1907.		Normal.	Name of Pass.	1907.		Normal.
	Ft.	In.	Ft.		Ft.	In.	Ft.
Rohtang	20	0	17	Siri Khand	19	0	18
Hamta	22	0	15	Chul	14	0	10
Barsai	13	0	7½	Hingan	12	0	...
Chandarkhani	17	6	11	Dundku	13	0	10
Boja Dhar	12	6	8	Tikkar	8	0	8
Lohri Achhri	13	0	10	Ram Garh	6	0	2
Sari	19	0	12	Nuhnon	4	0	4
Bhubu	13	6	8	Raghopur	10	0	9
Bastari	11	0	7	Jalori	10	0	8
Majhang	5	0	3	Bhimri	6	0	...
				Sakiran	9	0	9
				Gargarasan	10	0	12
				Supakun	8	0	9
				Bashleo	10	0	9
				Placha	14	0	11
				Tirath	15	0	12½

(*e*) *Kailang.*—Snow fell on 12 days to a total depth of 2 feet 9 inches.

(*f*) *Simla.*—Snow fell on 11 days the lowest elevation reached being 5,750 feet. The reported accumulations on the passes, all of which were closed, are shown below, but photographic evidence of the snows, as seen from Simla,

would indicate that the accumulation was probably in excess of the normal:—

Name of Pass.	Depth of accumulation at the end of February.		
	Actual.		Normal.
	Ft.	In.	Ft.
Rupin Pass	10	0	15
Brua „	10	0	15
Harang „	6	0	9
Shatul „	10	0	14
Buldar „	8	0	15

V.—United Provinces.

(*a*) *Garhwal.*—Snow fell without intermission during the first twenty days of the month. The falls during the first week and on the 12th and 19th were heavy and descended to 5,000 feet.

(*b*) Snowstorms were of frequent occurrence in Malla Johar and of occasional occurrence in other parts. The snowline descended to the inhabited area. The total fall was reported as amounting to 48 feet in Malla Darma, 25 feet in Malla Johar, 20 feet in Chaudas, 17 feet in Byans and 16 feet in Malla Danpur.

The statement below gives a comparison of the actual depth of snow accumulation with that of the normal:—

Name of Passes and Peaks.	Depth of accumulation at the end of February.		
	Actual.		Normal.
	Ft.	In.	Ft
Unta Dhura	48	0	25
Ralam „	45	0	20
Milam „	36	0	19
Pindari peak	16	0	9
Kaphini „	16	0	9
Kantela „	16	0	9
Binkaru pass	27	0	37½
Nuewe „	41	0	35
Lipu Lekh „	25	0	19
Lampia „	27	0	21

Summary of the preceding information.

16. The reports quoted above indicate that over the greater part of the mountain zone bordering upper India the snowfall of the month was considerably in excess of the normal and that notwithstanding the prevalence of very dry weather in January the accumulations of snow at the end of February were greater than usual.

Crop report.

17. *Burma*:—Threshing and winnowing of wet weather paddy was nearly completed in lower Burma and sowing and transplanting of dry weather paddy and harvesting of miscellaneous crops were progressing generally in upper Burma. The standing crops were in good condition.

Eastern Bengal and Assam:—The transplanting of summer rice, the preparation of land for jute and early rice and the harvesting of mustard, the pruning of tea and the pressing of sugarcane were in progress. The prospects of the standing crops were generally fair.

Bengal:—Prospects of the spring crops were on the whole fair though heavy rain and hail had caused some damage in parts of Bihar and Chota Nagpur. Harvesting of spring crops had commenced and sugarcane pressing was in progress.

United Provinces:—Extra crops and sugarcane were being sown and opium extracted. Hail and excessive rain caused damage to crops in some of the districts but on the whole the prospects of the spring crops were fair and harvesting had commenced.

Punjab:—The condition and prospects of the standing crops were generally good though some injury had been caused by locusts, rats and hail. Sowing of extra spring crops and of sugarcane and cotton were in progress. Cattle were in good condition.

North-West Frontier Province:—Pressing of sugarcane was in progress and sowings of extra spring crops had commenced. The standing crops were in excellent condition.

Jammu and Kashmir:—The condition of the standing crops in Jammu was good and fodder was sufficient except in Kishtwar tahsil. In Kashmir prices were almost stationary.

Rajputana:—Agricultural operations were satisfactory and prospects generally favourable. Harvesting of the grain crop had commenced in Jhalawar and extra spring sowings were in progress in Bharatpur.

Central India:—The threshing of autumn crops was completed and the harvesting of spring crops was in

progress. The standing crops and probable outturn were fair to good.

Central Provinces:—The harvesting of spring crops was in progress and threshing had commenced. Fodder and water were sufficient and prospects were generally favourable.

Bombay:—The standing crops were in good condition except for slight damage by locusts, rats and insects in parts of Kurrachee and by rust in parts of Kaira. Harvesting of spring crops and cotton picking were in progress and in parts of the Deccan threshing had commenced.

Hyderabad:—The spring crops were being harvested and the weeding of late rice was in progress. The standing crops were in fair to good condition.

Mysore:—The standing crops were in good condition and the prospects of the season were favourable. Cattle were generally healthy.

Coorg:—Threshing of rice was completed. Water and fodder were sufficient.

Madras:—The standing crops were generally fair but some were withering in parts of Trichinopoly and harvesting was in progress with varying outturn. Ploughing, sowing, weeding and transplanting were being carried on.

J. PATTERSON.

TABLE A.—Abstract of observations taken at 10 hrs. and 16 hrs., at 36 stations, in India, etc., in February, 1907.

Table

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

Number of sub-division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure.						Temperature of air.										Temperature, Wet-bulb.			
			Mean of 10 hrs.	Mean of 16 hrs.	Mean daily range.	Mean of daily mean pressures.	Departure from normal.	Mean reduced to S. L. and gravity, 45° Lat.	Mean maximum.	Mean minimum.	Mean daily range.	Highest maximum.	Lowest minimum.	Absolute range.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of three previous columns.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	I.—Burma.																					
2	Rangoon	36	29·970	29·829	·141	29·896	—·017	29·868	93·6	67·4	26·2	98·0	61·3	36·7	80·1	92·4	78·4	+1·1	65·2	69·8	71·3	68·8
	III.—Bengal.																					
6	Calcutta	21	30·050	·919	·131	·977	+·020	·944	82·6	61·5	21·1	88·0	51·4	36·6	73·8	81·6	71·2	+0·9	59·5	64·6	67·0	63·7
	IV.—United Provinces of Agra and Oudh.																					
10	Allahabad	309	29·748	·633	·115	·679	+·011	·954	75·1	54·6	20·5	83·9	42·5	41·4	67·2	73·6	63·7	—1·2	53·3	59·1	60·9	57·8
11	Dehra Dun	2,233	27·746	27·672	·074	27·702	—·001	·963	64·7	46·7	18·0	76·2	39·0	37·2	57·0	61·2	55·2	—2·4	44·9	51·5	53·3	49·9
	V.—Punjab.																					
12	Lahore	702	29·221	29·244	·077	29·273	—·008	·983	66·3	48·6	17·7	78·2	37·3	40·9	57·7	64·1	56·3	—1·0	47·2	53·7	56·3	52·4
	VIII.—Rajputana.																					
19	Jaipur	1,431	28·598	28·499	·099	28·537	—·001	·972	73·5	53·3	20·2	91·2	42·2	49·0	65·1	70·9	62·3	—1·9	48·9	55·0	56·8	53·6
	Udaipur	1,925?	29·085	27·974	·111	·025		·935	77·8	53·2	24·6	90·5	38·4	52·1	68·1	76·6	65·6		49·9	58·3	62·1	56·8
	IX.—Bombay.																					
26	Bombay	37	29·955	29·869	·126	29·926	—·007	·904	83·7	69·9	13·8	88·7	63·3	25·4	76·3	79·8	75·9	+1·1	64·6	68·1	70·8	67·8
	XI.—Central Provinces.																					
24	Buldana	2,132	27·892	27·758	·134	27·816	—·028	·8[illegible]	83·8	61·2	22·6	90·1	49·2	40·9	74·5	82·1	72·1	—1·7	52·6	59·9	61·3	57·9
	Nagpur	1,017	29·009	28·862	·147	28·928	+·010	·915	86·0	60·3	25·7	93·6	50·1	43·5	74·4	84·0	72·8	—1·5	56·9	62·9	65·5	61·8
	XII.—Hyderabad.																					
29	Hyderabad	1,690	28·325	·186	·139	·249	—·005	·879	90·1	65·1	25·0	96·3	60·2	36·1	78·7	88·2	77·3	+0·2	60·5	65·9	66·8	64·4
	XIII.—Mysore.																					
30	Bangalore	3,021	27·022	26·897	·125	26·957	—·012	·848	87·2	60·4	26·8	92·3	53·9	38·4	76·8	85·5	73·1	+1·1	57·7	64·1	63·5	61·8
	Mysore	2,518	·515	27·366	·149	27·438	—·004	·852	89·1	64·6	24·5	93·7	59·6	34·1	78·1	88·1	76·2	+1·0	59·3	65·2	63·6	62·7
	XIV.—Madras.																					
32	Periyakulam	944	29·069	28·904	·165	28·986		·862	92·2	65·9	26·3	95·9	58·6	37·3	80·7	90·6	79·0		63·2	69·6	69·4	67·4
	Pudukkottai	318	·717	29·562	·155	29·640		·889	91·5	68·5	23·0	95·8	64·0	31·8	81·3	89·2	80·0		67·8	71·7	72·1	70·5
	Madras	22	30·024	·906	·118	·963	—·003	·917	86·2	68·4	17·8	91·2	63·6	27·6	82·1	82·6	76·4	—0·2	68·1	73·9	74·5	72·2
	Station in the Bay.																					
1	Port Blair	61	29·948	29·835	·113	29·890	—·002	·883	86·9	74·3	12·6	89·1	68·3	20·8	81·7	85·3	79·7	—0·9	71·6	75·3	76·1	74·3
	Kashmir.																					
14	Srinagar	5,204	24·937	24·873	·064	24·901	—·036	24·872	43·9	32·4	11·5	56·8	28·6	28·2	36·7	42·1	36·3	+3·3	30·8	34·6	39·4	34·9
	Leh	11,503	19·596	19·532	·064	19·563	—·030	19·531	29·3	9·1	20·2	35·0	—1·9	36·9	21·1	25·3	17·4	—1·4	7·8	17·7	21·3	15·6
	Baluchistan.																					
16	Quetta	5,502	24·627	24·563	·064	24·588	—·059	24·548	48·9	32·5	16·4	70·3	16·0	54·3	42·1	46·0	40·6	—1·6	31·4	37·3	39·3	36·0

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

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

A.

36 stations, in India, etc., for February, 1907.

Vapour Tension in inches of mercury.					Humidity.					Cloud.				Wind Direction.										Wind Steadiness.		Wind Velocity.		Rain fall.		Station.	Number of sub-division.
														Total number of 10 hrs. and 16 hrs. winds from								Mean wind direction.	Normal mean wind direction of month.								
From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean 10 hrs.	Mean 16 hrs.	Mean of two previous columns.	Departure from normal.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.			Average percentage.	Normal percentage.	Mean velocity in miles per diem.	Normal.	Total rainfall for the month.	Heaviest rainfall during the month.		
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
																									%	%					I.—Burma.	
·600	·595	·484	·583	—·022	89	58	32	66	− 3	0·6	1·0	0·8	−1·0	4	7	14	3	1	16	5	6		S 51° E	S 42° W	9	15	37*	91	0	0	Rangoon.	2
																															III.—Bengal.	
·488	·495	·470	·510	+·026	88	59	44	67	+ 1	2·5	3·0	2·8	+0·6		8	10	4	2	1	10	6	15	N 34° W	N 73° W	36	25	88	79	0·09	0·05	Calcutta	6
																															IV.—United Provinces of Agra and Oudh.	
·394	·397	·373	·402	+·075	91	60	47	71	+13	4·3	4·0	4·2	+1·8	4	6	6	9	2	3	3	13	10	N 35° W	N 63° W	24	34	75*	108	3·38	0·84	Allahabad.	10
·280	·318	·315	·314	+·032	86	69	59	73	+11	5·7	7·3	6·5	+2·1	10	3	8	8	10	10	5	1	1	S 54° E	S 35° W	34	29	37	41	5·05	1·49	Dehra Dun.	11
																															V.—Punjab.	
·318	·363	·354	·351	+·064	90	76	61	79	+17	5·4	5·8	5·6	+1·7	15	2	5	7	2	2		10	13	N 32° W	N 30° W	23	30	49*	53	2·48	1·26	Lahore.	12
																															VIII.—Rajputana.	
·209	·313	·294	·309	+·047	73	51	41	59	+12	5·0	6·0	5·5	+2·4	1	3	4	12	8	4	5	8	11	N 75° E	N 20° W	2	33	112	91	2·28	1·47	Jaipur.	19
·230	·374	·386	·365		78	55	43	59		4·1	4·3	4·2		6	3	3	10	4	4	6	16	4	S 70° W		16		71*		1·19	0·53	Udaipur.	
																															IX.—Bombay.	
·542	·586	·638	·612	−·007	74	64	62	71	0	0·3	0·4	0·4	−0·8		4	14	7	1			4	26	N 9° W	N 1° W	57	57	247	250	0·27	0·27	Bombay.	26
																															XI.—Central Provinces.	
·300	·341	·291	·315	+·054	55	41	28	45	− 6	1·4	3·3	2·4	−1·3	3	8	4	3	5	5	4	10	14	N 55° W	N 22° W	28	27	136*	154	2·19	1·11	Buldana.	24
·425	·437	·402	·423	+·079	80	52	36	57	+14	2·2	2·5	2·4	+0·2	5	6	14	9	7	1	5	6	3	N 55° E	N 42° E	27	19	82*	106	2·86	0·72	Nagpur.	
																															XII.—Hyderabad.	
·476	·483	·389	·447	+·005	76	50	30	53	+ 3	1·2	1·8	1·5	−0·5	31		1	13	8			2	1	S 76° E	S 51° E	30	27	53*	98		0	Hyderabad	29
																															XIII.—Mysore.	30
·449	·456	·332	·417	+·010	85	50	28	56	+ 2	0·2	1·2	0·7			4	11	19	10	5	3	3	1	S 87° E	S 69° E	50	59	174*	120	0	0	Bangalore.	
·443	·463	·287	·403	−·034	73	48	21	49	− 4	2·3	2·5	2·4	−0·7		4	10	16	12	6	5	1	2	S 78° E	N 87° E	46	56	162*	190	0	0	Mysore.	
																															XIV—Madras.	
·535	·576	·444	·518		84	55	31	57		2·1	3·8	3·0		12	1	6	19	13	1	2	1	1	S 79° E		53		57*		0	0	Periyakulam.	32
·674	·647	·563	·628		95	60	43	66		4·4	4·5	4·5		3	2	17	21	8	1	4			N 83° E		64		179*		0·08	0·08	Pudukkottai.	
·688	·732	·749	·746	+·031	98	66	67	80	+ 2	3·0	2·0	2·5	−0·7			7	26	21	2				S 7 5° E	S 84° E	84	72	119	120	0	0	Madras.	
																															Stations in the Bay.	
·741	·799	·779	·796	−·041	87	74	64	78	− 1	2·8	4·0	3·4	+0·3		17	17	2	4	1	2	5	8	N 9° E	N 42° E	53	71	110*	120	0	0	Port Blair.	1
																															Kashmir	
·157	·179	·217	·180	+·006	85	81	78	81†	− 3	8·4	7·8	8·1	+1·5	12	4	1	1	9	11	4		14	S 38° W	S 9° W	12	8	88*	84	6·73	1·78	Srinagar.	14
·054	·073	·086	·070	+·003	79	63	63	71†	+ 7	6·3	7·9	7·1	+0·3		1	5	4	1	24	14	6	1	S 16° W	S 9° W	55	25	[illegible]	31	0·50	0·20	Leh.	
																															Baluchistan	
·170	·176	·180	·185	+·014	90	68	61	76	+ 9	6·0	6·8	6·4	+2·2	8	5		1	6	12	4	10	10	S 64° W	N 84° W	28	30	88*	84	2·28	0·53	Quetta.	16

† Mean of three previous columns. * Corrected. ¶ Mean of 27 days.

Table

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

Number of sub-division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure.						Temperature of air.										Temperature, Wet-bulb.			
			Mean of 10 hrs.	Mean of 16 hrs.	Mean daily range.	Mean of daily mean pressures.	Departure from normal.	Mean reduced to S. L. and gravity, 45° Lat.	Mean maximum.	Mean minimum.	Mean daily range.	Highest maximum.	Lowest minimum.	Absolute range.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of three previous columns.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	Hill Stations excluding Kashmir and Baluchistan.																					
	Simla	7,224	23·076	23·026	·050	23·044	—·024	23·006	43·4	33·2	10·2	58·3	27·1	31·2	39·7	40·3	38·1	-2·5	31·0	34·6	36·1	33·9
	Sarain		·141	·091	·050	·104			42·8	28·7	14·1	57·4	21·8	35·6	36·7	38·5	35·6			34·4	35·7	
	Kalabagh								Register not received.													
	Chakrata	7,022	·271	·233§	·038	·236	—·019	·196§	45·4	32·5	12·9	62·0	26·7	35·3	39·4	40·0	38·8	—4·7	31·2	36·3	37·4	35·0
	Muktesar	7,556	22·867	22·811	·056	22·832		22·790	45·5	32·8	12·7	60·1	27·1	33·0	40·1	41·9	39·0		31·2	37·0	38·5	35·6
	Katmandu	4,388	25·702	25·596	·106	25·646	-·002‡	25·600	64·8	41·9	22·9	73·9	32·8	41·1	53·6	61·5	53·2	+0·7‡	40·2	48·6	51·4	46·7
	Darjeeling	7,376	22·997	22·960	·037	22·976	—·013	22·930	48·0	36·0	12·0	55·0	32·0	23·0	43·8	46·0	41·8	+0·2	35·0	41·7	44·0	40·2
	Pachmarhi	3,528	26·542	26·451	·091	26·488	—·011	26·434	72·9	51·3	21·6	78·5	29·3	39·2	65·6	69·4	61·9	—1·4	46·6§	56·3‖	57·7‖	53·5
	Mount Abu	3,945	·112	·039	·073	·066	—·028	·017	64·4	52·3	12·1	76·2	45·4	30·8	60·0	62·0	58·1	—2·9	47·7	50·9	52·8	50·5
	Chikalda	3,642	·434	·335	·099	·376	—·026	·320	75·6	55·3	20·3	82·7	48·7	34·0	66·5	72·1	65·3	—3·2	50·4	55·6	58·3	54·8
	Ootacamund	7,399	23·119	23·050	·069	23·075		23·010	67·7	43·7	24·0	70·6	38·5	32·1	63·3	63·4	55·5		37·7	48·3	50·6	45·5
	Kodaikanal	7,688	22·887	22·817	·070	22·852		22·788	67·6	47·6	20·0	72·0	44·9	27·1	62·1	60·8	57·6		41·5	49·2	53·2	48·0
	Dodabetta	8,539	·074	·021	·053	·048		21·985	59·1	45·6	13·5	61·9	41·5	20·4	55·6	57·2	52·4		40·9	45·1	49·4	44·8
	Extra India.																					
	Minicoy	7	30·007	29·926	·081	29·969		29·902	85·9			87·7			83·5	83·7				76·3	76·3	
	Zanzibar	72	29·914	·797	·117	·858	+·012	·855	86·7	79·9	6·8	88·9	75·2	13·7	83·5	86·4	82·3	—0·4	75·3	78·3	78·2	77·3
	Diego Garcia								Register not received.													
	Seychelles	15	·972	·881	·091	·935	+·006‡	·874	83·6	76·6	7·0	85·5	74·2	11·3	80·8	82·0	79·0	—0·1‡	72·4	76·2	76·0	74·9
	Mauritius	181				·793	+·052	·920				88·1	67·1	21·0			77·9	—0·6				73·1

§ Mean of 27 days. ‖ Mean of 24 days. ‡ Departure from old normals.

A—*concluded.*

36 stations, in India, etc., for February, 1907—concluded.

Vapour Tension, in inches of mercury.					Humidity.					Cloud.				Wind Direction.										Wind Stradiness.		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 direction of month.	Average percentage.	Normal percentage.	Mean velocity in miles per diem.	Normal.	Total rainfall for the month.	Heaviest rainfall during the month.		
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
																															Hill Stations excluding Kashmir and Baluchistan.	
·153	·149	·172	·168	+·009	82	64	70	75	+14	7·1	8·0	7·6	+1·9	6	10	3	1	4	31	1			S 13° E	S 11° E	41	25	156*	120	7·47	2·03	Simla	
	·177	·183				82	79			6·3	7·8	7·1		31	5		1		14	4	1		S 11° W		25		42*		12·62	2·28	Sarain.	
														Register not received.																	Kalabagh.	
·164	·186	·200	·193	+·020	89	76	80	85	+19	4·9	6·5	5·7	+0·8	25	14	5	1	4	7				N 44° E	S 6° W	20	4	148*	151	7·84	2·37	Chakrata.	
·160	·192	·203	·195		86	78	76	83		7·0	8·1	7·6		21	1	5	8	5	2	3	11		S. 31° E		7		156*		4·72	1·38	Muktesar.	
·231	·288	·265	·271	+·011	86	70	50	72	+ 3	4·8	5·8	5·3	+1·8	12		1	17				26		N 85° W	N 87° W	14	47	19	29	1·35	0·42	Katmandu.	
·196	·245	·271	·247	+·024	91	85	86	90	+ 7	7·0	7·4	7·2	+1·2	10				1	1	26	8	10	S 68° W	S 83° W	62	31	144*	132	0·51	0·28	Darjeeling.	
·275†	·337‖	·331‖	·318	+·058	72§	52‖	46‖	61	+12	2·3	3·6	3·0	+0·7		5	3	1	6		22	7	12	S 80° W	N 69° W	43	25	157*	106	3·53	0·94	Pachmarhi.	
·284	·274‖	·303	·291	+·103	71	54	55	64	+30	4·6	5·3	5·0	+2·6		2	6	1	3	5	21	7	11	S 70° W	N 66° W	42	28	166*	146	1·98	0·62	Mount Abu.	
·316	·320	·332	·327	+·054	71	50	43	59	+16	2·2	3·5	2·9	+1·1	9	8	2		3	5	19		10	S 77° W	N 81° W	32	24	172	156	4·28	2·32	Chikalda.	
·170	·188	·240	·214		58	32	41	47		1·0	3·7	2·4		1	6	17	19	10			1	2	N 71° E		68		107*		0	0	Ootacamund.	
·205	·225	·330	·254		62	41	63	55		1·8	5·9	3·8			9	13	9	8	11		2	4	N 77° E		34		294		0	0	Kodaikanal.	
·212	·194	·249	·218		69	44	53	55		1·3	4·3	2·8			7	26	9	8	2	2	2		N 61° E		60		376*		0	0	Dodabetta.	
																															Extra India.	
	·811	·806				71	70			3·0	3·9	3·5			20	25	4	1				5	N 25° E		81		95*		1·94	0·56	Minicoy. (a)	
·818	·899	·854	·874	+·004	80	78	68	77	0	7·1	6·1	6·6	+2·0		20	11	9	6	2	6	1	1	50° E	N 33° E	43	55	117*	161	1·42	0·33	Zanzibar.	
														Register not received.																	Diego Garcia.	
·744	·848	·824	·828	—·014	81	80	75	82	— 1	6·0	6·1	6·1	—0·4‡	22		4	2	8			3	11	N 2° W	N 21° W	20	53	109	147	17·15	6·43	Seychelles.	
			·727	—·030				76	— 2			6·4	+0·1										S 85° E	S 81° E			205	264	2·78	0·73	Mauritius.	

* Corrected.

(a) Wind observation 1 less.

I. G. P. O. No. 71 D. G. O.—25-2-08.—385.—A. M.

Table B.—Abstract of observations taken at 8 hrs., at 235 stations in India, etc., in February, 1907.

(1) Provincial means.

(2) Data of stations.

(1) Provincial means based on the material in Table B (2) except that the statement of rainfall depends on the complete data of about 2,500 stations.

	Pressure departure from normal.	Temperature of air.								Wind.		Hygrometry.				Cloud.		Rainfall.		
		Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Absolute range during month.	Departure of velocity from normal.	Departure of steadiness from normal.	Mean humidity.	Departure from normal.	Mean vapour tension.	Departure from normal.	Mean cloud amount.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.
Burma	+·003	88·0	—0·2	62·5	+1·1	75·3	+0·4	25·5	36·6	—0·7	— 8	1	+ 2	·555	+·009	1·5	—0·4	0·04	0·18	—0·14
Eastern Bengal and Assam	+·017	78·0	—0·8	56·0	+0·8	67·0	0	22·0	35·2	—0·6	+ 6	85	0	·465	+·007	3·4	+0·7	1·01	1·11	—0·10
Bengal	+·019	79·2	—2·5	58·8	+1·0	69·0	—0·8	20·4	35·0	—0·1	+10	81	+ 7	·475	+·032	3·3	+1·1	1·52	0·72	+0·80
United Provinces of Agra and Oudh.	+·012	72·3	—4·8	51·8	+0·9	62·1	—2·0	20·5	37·4	—0·8	— 7	82	+11	·375	+·039	4·3	+1·5	2·90	0·66	+2·24
Punjab	+·006	66·4	—5·0	47·5	+0·8	57·0	—2·2	19·0	40·1	+0·3	+ 7	84	+ 9	·325	+·039	5·1	+1·4	2·84	1·09	+1·75
North-West Frontier Province	—·005	64·1	—4·9	44·7	+0·9	54·4	—2·1	19·5	42·8	—1·2	—19	82	+ 9	·280	+·024	5·6	+1·7	2·99	1·34	+1·65
Sind	—·021	74·5	—5·0	54·7	+1·1	64·6	—2·0	19·7	47·9	—0·7	+ 2	70	+ 9	·354	+·035	4·4	+1·7	1·31	0·25	+1·06
Rajputana	—·008	74·7	—5·3	53·5	+1·9	64·1	—1·7	21·1	47·9	+0·7	+17	66	+11	·323	+·057	4·6	+2·0	1·62	0·23	+1·39
Bombay	—·003	85·5	—1·1	62·6	+1·2	74·1	0	22·9	40·3	—0·3	— 3	67	+ 6	·482	+·044	1·6	+0·5	0·18	0·09	+0·09
Central India	—·001	77·4	—3·7	53·8	+1·9	65·6	—1·0	23·6	44·0	—1·0	+ 4	68	+10	·355	+·038	3·8	+2·1	1·50	0·35	+1·15
Central Provinces	0	83·0	—3·4	58·2	+1·2	70·7	—1·1	24·8	41·9	+0·3	— 2	67	+12	·408	+·077	2·6	+0·8	2·84	0·34	+2·50
Hyderabad	+·010	90·6	—0·7	65·1	+0·9	77·9	+0·1	25·4	37·5	—0·3	+10	60	+ 6	·480	+·045	1·4	—0·1	0·12	0·17	—0·05
Mysore	+·002	88·5	+0·8	62·1	+0·7	75·3	+0·7	26·3	36·2	—0·6	— 4	71	+ 7	·514	+·042	1·6	—0·3	0	0·04	—0·04
Madras	+·004	88·9	—0·3	69·9	+0·8	79·4	+0·2	19·0	29·2	+0·2	+ 1	79	+ 2	·700	+·026	2·3	+0·1	0·05	0·41	—0·36

Table

(2) *Abstract of observations taken at 8 hrs., at 235*

Number of sub-division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.							Temperature of Air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	I.—Burma.																						
2	Mergui	119	29·876	+·012	29·929	29·922	7th	29·816	13th	·106	76·9	88·8	−0·8	71·9	+2·8	80·4	+1·0	16·9	92·4	20th, & 21st.	63·3	13th	29·1
	Tavoy	19	29·993	+·018	29·944	30·045	7th	29·936	13th	·109	71·2	91·1	0	68·3	+1·5	79·7	+0·8	22·8	94·0	20th	58·3	12th	35·7
	Moulmein	94	29·904	+·009	29·936	29·948	7th	29·841	13th & 14th.	·107	71·4	91·5	0	68·5	+0·8	80·0	+0·4	23·0	95·5	27th	61·9	11th	33·6
	Rangoon	36	29·952	−·011	29·928	29·997	7th	29·862	13th	·135	69·8	93·3	+0·5	67·4	+1·5	80·4	+1·0	25·9	96·1	21st, 22nd & 28th	63·8	11th	32·3
	Bassein	27?	29·964	+·002	29·929	30·026	7th	29·864	13th	·162	70·1	90·7	+0·7	66·9	+2·0	78·8	+1·4	23·8	95·2	28th	62·9	5th & 6th.	32·3
	Diamond Island	41	29·945	−·015	29·921	30·010	7th	29·846	13th	·164	78·2	83·9	−0·3	74·4	+2·1	79·2	+0·9	9·5	86·9	27th	72·7	2nd & 11th.	14·2
	Toungoo	183	29·805	+·005	29·937	29·860	7th	29·709	13th	·151	65·6	89·3	−1·6	61·1	0	75·2	−0·8	28·2	92·8	28th	54·1	10th	38·7
	Akyab	20	29·976	−·018	29·940	30·024	4th	29·383	14th	·141	65·3	85·2	+0·4	63·1*	+1·6	74·2*	+1·0	22·1	91·4	21st	56·1	10th	35·3
3	Thayetmyo	121	29·877	+·015	29·944	29·931	4th	29·779	13th	·152	67·5	92·7	+0·1	57·6	+0·7	75·1	+0·4	35·1	98·5	22nd	51·9	7th & 11th,	46·6
	Minbu	*165*	29·811	−·003	29·926	29·876	4th	29·717	13th	·159	68·1	90·9	−0·7	61·5	+0·3	76·2	−0·2	29·4	98·2	22nd	55·0	7th	42·2
	Yamethin	257	29·804	+·002	29·934	29·858	4th	29·199	13th	·159	66·7	91·1	−1·4	60·4	−0·2	75·8	−0·8	30·7	96·3	22nd	53·2	10th	43·1
	Mandalay	250	29·740	+·017	29·949	29·807	4th	29·625	14th	·182	66·8	91·5	+1·6	61·0	+0·9	76·3	+1·3	30·5	97·0	22nd	54·7	10th	42·3
	Monywa	*280*	29·734		29·953	29·805	4th	29·609	14th	·186	65·8	88·9		60·6		74·8		28·3	95·3	22nd	54·6	10th	40·7
	Lashio	*2,751*	27·155	−·024	27·101	27·226	26h	27·059	14th	·167	55·9	79·0	0	49·8	+1·1	64·4	+0·6	29·2	85·5	21st	43·0	10th	42·5
	Bhamo	*381*	29·626	+·032	29·983	29·717	4th	29·484	14th	·233	58·6	80·7	−1·5	52·9	−0·2	66·8	−0·9	27·8	86·4	22nd	46·7	10th	39·7
	Myitkyina	458	29·522		29·864	29·621	4th	29·382	14th	·239	59·3	79·4		55·1		67·3		24·3	86·2	22nd	50·1	10th	36·1
	II.—Eastern Bengal and Assam.																						
4	Dibrugarh	353	29·671		30·004	29·765	4th	29·525	13th	·240	57·7	72·1		54·6		63·4		17·5	79·9	21st	49·9	10th	30·0
	Sibsagar	333	29·710	+·001	30·019	29·812	9th	29·538	14th	·274	57·3	72·7	−0·4	53·3	0	63·0	−0·2	19·4	78·6	20th, & 21st.	47·2	5th & 10th.	31·4
	Tezpur	252	29·772		29·967	29·870	4th	29·640	14th	·230	58·8	74·9		56·1		65·5		18·8	81·1	20th	52·0	5th	29·1
	Gauhati	195	29·860‡		30·023‡	29·934	4th	29·744	14th	·190	57·6	76·7		53·9†		65·3†		22·8	82·1	20th	49·1	10th	33·0
	Dhubri	115	29·910	+·016	29·988	29·796	9th	29·786	13th	·210	59·5	75·9	−2·1	55·9	−0·1	65·9	−1·1	20·0	81·6	20th & 28th.	51·8	4th, 5th & 10th.	29·8
	Silchar	104	29·935	+·002	29·988	30·012	9th	29·828	14th	·184	61·4	78·4	−2·3	57·0	+1·4	67·7	−0·5	21·4	84·4	20th & 21st.	52·4	10th	32·0
5	Chittagong	87	29·944	+·014	29·983	30·018	9th	29·833	14th	·185	65·0	82·9	+0·6	59·7	+0·7	71·3	+0·7	23·2	87·6	21st	51·4	10th	36·2
	Noakhali	43	29·984		29·975	30·069	9th	29·883	14th	·186	64·8	80·1		58·4		69·3		21·7	84·8	21st	50·4	9th, & 10th.	34·4
	Barisal	12	30·022	+·022	29·981	30·100	9th	29·922	13th	·187	64·9	81·4	−0·3	60·4	+0·7	70·9	+0·2	21·0	85·8	13th	51·2	10th	34·6
	Comilla	36	29·999		29·984	30·079	9th	29·884	14th	·195	64·2	82·1		58·0		70·1		24·1	87·4	20th & 26th.	49·3	9th	38·1
	Narayanganj	26	30·017	+·029	29·992	30·105	9th	29·885	14th	·220	63·1	80·1	−2·1	59·0	+0·4	69·6	−0·9	21·1	85·5	26th	52·3	9th	33·2
	Faridpur	46	29·994		29·992	30·083	9th	29·887	14th	·196	63·2	79·7		56·9		68·3		22·8	85·4	26th & 28th.	49·0	9th	36·4
	Sirajganj	49	29·997		29·998	30·086	9th	29·892	14th	·194	61·1	79·9		56·7		68·3		23·2	86·8	27th	47·4	9th	39·4
	Mymensingh	63	29·977	+·021	29·994	30·058	9th	29·867	14th	·191	62·2	79·0	+0·6	57·3	+1·7	68·2	+1·2	21·7	85·2	27th	49·0	9th	36·2
	Bogra	75	29·953	+·022	29·975	30·034	9th	29·856	14th	·178	61·6	80·2	0	56·5	+2·0	68·4	+1·0	23·7	86·7	27th	48·7	9th	38·0
	RampurBoalia	70	29·974		29·99	30·071	9th	29·865	14th	·206	63·4	78·5		52·8		65·6		25·7	85·1	26th & 27th.	46·1	3rd, 9th 10th.	39·0
	Malda	72	29·950		29·978	30·085	7th	29·835	13th	·200	61·2	77·0		53·9		65·5		23·1	83·3	27th & 28th.	46·3	3rd.	37·0
	Dinajpur	123	29·901	+·026	29·987	29·988	4th	29·790	14th	·198	59·4	78·6	−0·8	52·8	−0·3	65·7	−0·6	25·8	84·3	18th & 27th,	41·9	3rd	42·4
	Rangpur	123	29·913		29·999	29·997	9th	29·805	14th	·192	59·5	77·5		54·2*		65·9*		23·3	82·7	20th 27th & 28th.	44·6	9th	38·1

* Mean of 27 days. ‡ Mean of 22 days.

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

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

B.

stations in India, etc., in February, 1907.

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., 1906, to 28th Feb., 1907.	Normal rainfall for period, 1st Dec. to 28th Feb.	Departure from normal of period, 1st Dec., 1906, to 28th Feb., 1907.	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.
22		1		3	2				S 40° E	N 8° W	2·0	2·1	−0·1	14	−33	86	+ 3	·791	+ ·034	2·8	−0·8	3	2·80	+0·20	2·02	1·73	+ 0·29	3·40	3·02	+ 0·38	1·25	Mergui.
28									a	N 54° W	1·3¶	1·4	−0·1			90	+ 2	·694	0	3·1	+0·7	1	0·80	+0·20	0·82	0·65	+ 0·17	0·85	0·92	− 0·07	0·82	Tavoy.
21		2	3	2					E	N 84° E	1·3¶	2·3	−1·0	21	−27	89	+ 5	·691	+ ·015	3·7	+2·4	0	0·50	−0·50	0	0·25	− 0·25	0·14	0·66	− 0·52	0	Moulmein.
10	4	7	3				2	2	N 34° E	S 67° W	3·4¶	3·8	−0·4	49	− 8	83	− 2	·612	−·021	1·1	−0·1	0	0·40	−0·40	0	0·31	− 0·31	0·17	0·52	− 0·35	0	Rangoon.
20	3	1					1	3	N 22° W	N 43° W	4·5¶	4·5	0	21	− 38	89	+ 2	·660	−·009	0	−2·0	0	0·30	−0·30	0	0·29	− 0·29	0·10	0·56	− 0·46	0	Bassein.
	14	4	1					9	N 6° W	N 9° W	1·2¶	8·8	−7·6	32	+ 7	75	− 12	·730	+·031	2·6	+0·3	0	0·40	−0·40	0	0·07	− 0·07	0·02	0·98	− 0·96	0	Diamond Island.
21								7	N 45° W	N 6° E	1·0	1·9	−0·9	29	− 6	90	+ 6	·577	+·022	0·7	−0·6	0	0·30	−0·30	0	0·15	− 0·15	1·71	0·40	+ 1·31	0	Toungoo.
	9	15	3					1	N 32° E	N 24° E	4·8¶	3·5	+1·3	85	+ 2	87	+ 5	·549	+·009	0·3	−0·9	0	0·30	−0·30	0	0·12	− 0·12	0·07	0·88	− 0·81	0	Akyab.
21	3						2	2	N 38° W	N 50° W	6·1 ¶	3·5	+2·6	18	−25	66	0	·450	+·004	0·1	−0·5	0	0·10	−0·10	0	0·04	− 0·04	0·79	0·21	+ 0·58	0	Thayetmyo.
6	3	1		2	1			15	N 36° W	N 70° W	5·1	6·3	−1·2	53	+35	64	0	·439	−·005	0·1	−0·7	0	0·10	−0·10	0	0·03	− 0·03	0·62	0·66	− 0·04	0	Minbu.
15	5			2	2			4	N 18° W	S 63° E	1·9	3·1	−1·2	14	+ 2	68	− 2	·449	−·018	0	−0·7	0	0·30	−0·30	0	0·38	− 0·38	0·77	0·95	− 0·18	0	Yamethin.
19	4			1	4				S 45° E	S 30° W	2·9	2·4	+0·5	4	− 7	71	+ 2	·477	+·022	0·2	−0·9	0	0·30	−0·30	0	0·05	− 0·05	0·15	0·39	− 0·24	0	Mandalay.
11							6	11	N 60° W		2·4			56		75		·483		0·7		0	0	0	0	0	0	0·15	− 0·15	0	Monywa.
20	1	1	4	1		J			N 87° E		4·4¶			17		82	0	·369	+·017	2·1	−2·3	0			0·02	0·29	− 0·27	1·13	1·34	− 0·21	0·02	Lashio.
22		6							N 45° E	N 18° W	1·3	2·8	−1·5	21	− 3	92	+ 5	·454	+·020	3·1	+0·3	1	1·10	−0·10	0·27	0·39	− 0·12	1·63	1·53	+ 0·10	0·23	Bhamo.
14		6	8						N 71° E					46		89		·448		2·6		1			0·37			1·35			0·28	Myitkyina.
																																II.—Eastern Bengal and Assam.
25		2	1						N 59° E		0·8			7		93		·442		5·8		7	6·70	+0·30	3.12	2·56	+ 0·56	3·82	4·89	− 1·07	0·93	Dibrugarh.
3	2	1	1		2	6	2	11	N 73° W	N 48° E	2·4	2·3	+0·1	46	+10	96	− 2	·451	−·007	3·7	−2·2	4	4·90	−0·90	1·69	1·98	− 0·29	4·48	3·86	+ 0·62	0·66	Sibsagar.
21		2	4			1			N 82° E		3·8			18		89		·444		2·9		3	2·60	+0·40	1·10	0·87	+ 0·23	3·66	1·95	+ 1·71	0·61	Tezpur.
13	3	5		1	2	3		1	N 31° E		2·4			7		94		·449		5·1		2	1·80	+0·20	1·33	0·73	+ 0·60	2·68	1·61	+ 1·02	1·05	Gauhati.
1	2	1	13		5	3	2	1	S 68° E	N 67° E	4·7	4·3	+0·4	36	+5	89	+ 5	·457	+·030	3·1	+0·9	2	1·20	+0·80	1·76	0·48	+ 1·28	1·78	0·98	+ 0·78	1·50	Dhubri.
28									(a)	S 63° E	0·2	2·4	−2·2			88	+ 1	·486	−·006	2·6	−1·1	4	3·70	+0·30	1·68	2·31	− 0·63	3·48	3·49	+ 4·99	0·58	Silchar.
1	9	10	2	2			1	3	N 22° E	N 45° E	3·1	3·9	−0·8	63		83	− 1	·516	−·007	1·1	−1·2	2	1·89	+0·11	0·32	0·98	− 0·66	0·32	2·13	− 1·81	0·18	Chittagong.
19	1	6	1				1		N 40° E		1·8			29		84		·521		2·4		2	1·81	+0·19	1·69	1·00	+ 0·69	1·69	1·82	− 0·13	1·43	Noakhali.
15	3	4			1		1	4	N 7° W	N 13° W	2·0	2·1	−0·1	29	+21	82	− 3	·549	−·010	1·6	−0·8	4	1·77	+2·23	1·11	1·04	+ 0·07	1·11	2·31	− 1·20	0·80	Barisal.
18	2	1	2	3	1			1	N 86° E		1·6			14		84		·510		1·9		0	2·18	−2·18	0·10	0·97	− 0·87	0·10	1·73	− 1·63	0·07	Comilla.
11		2			2	1		12	N 49° W	N 27° W	2·2	2·9	−0·7	36	+28	84	0	·489	−·022	2·6	−0·4	2	2·12	−0·12	2·09	1·28	+ 0·81	2·09	1·82	+ 0·27	1·55	Narayanganj.
16	8				1			3	N 13° W		1·8			32		84		·495		1·8		2	2·00	0	1·24	1·32	− 0·08	1·24	1·89	− 0·65	1·09	Faridpur.
25					1	1	1		S 45° W		2·1			11		83		·450		3·3		0	1·57	−1·57	0·23	0 ·91	− 0·68	0·23	1·49	− 1·26	0·08	Sirajganj.
9	1	3	6	2	1		3	3	N 53° E	N 74° E	1·7	1·9	−0·2	18	−13	83	− 2	·466	+·009	8·6	+6·5	1	1·48	−0·48	0·24	1·03	− 0·79	0·24	1·58	− 1·34	0·13	Mymensingh.
24		1				2		1	W	N 27° W	1·3	2·4	−1·1	5	− 6	76	− 3	·421	0	2·6	+0·8	2	1·52	+0·48	0·34	0·85	− 0·51	0·34	1·44	− 1·10	0·19	Begra.
26					1		1	3	S 70° W		2·2			3		82		·481		2·6		3	1·35	−1·65	0·70	0·84	− 0·14	0·71	1·25	− 0·54	0·30	Rampur Boalia.
5	2	2		2	4	5	3	5	S 74° W		4·5¶			25		80		·437		2·0		2	1·23	+0·77	1·01	0·75	+ 0·26	1·03	1·67	− 0·64	0·30	Malda.
11	1	2	2			7	4	1	S 72 °W	N 83° W	2·7	3·6	−0·9	25	− 4	84	+ 4	·429	+·036	4·0	+2·5	1	1·39	−0·3	0·19	0·37	− 0·18	0·19	0·92	− 0·73	0·11	Dinajpur.
14	2	3	1	1	2		3	2	N 18° W		2·5			11		83		·426		4·8		0	1·13	−1·13	0·05	0·43	− 0·38	0·05	1·01	− 0·96	0·22	Rangpur.

† Mean of 25 days.

(a) Indeterminate.

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

¶ Uncorrected reading.

Table

(2) *Abstract of observations taken at 8 hrs., at 235*

Number of sub-division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	Jalpaiguri	284	29·741	+·016	30·000	29·828	4th	29·624	13th	·204	58·2	76·0	−0·5	54·6	+1·8	65·3	+0·7	21·3	86·4	13th	47·6	3rd	38·8
	Cooch Behar	156	29·872		29·994	29·968	4th	29·740	13th	·228	57·6	75·4		54·3		64·9		21·1	81·3	20th	48·7	9th	32·6
	III.—Bengal.																						
6	Sangor Island	25	30·014	+·023	29·984	30·121	9th	29·892	14th	·229	39·0	81·9	+0·7	64·9	−0·6	73·4	+0·1	17·0	87·9	28th	53·4	10th	34·5
	Midnapore	149	29·882		29·984	29·982	9th	29·767	14th	·215	66·7	85·2		62·6		73·9		22·6	92·3	25th & 28th.	52·6	10th	39·7
	Calcutta	21	30·025	+·022	29·993	30·131	9th	29·918	14th	·213	65·3	82·5	+0·5	61·4	+1·0	71·9	+0·8	21·1	88·1	28th	51·2	10th	36·9
	Jessore	33	30·008	+·023	29·989	30·103	9th	29·903	14th	·200	65·5	80·3	−2·8	57·9	+0·6	69·1	−1·1	22·4	85·5	20th	48·7	8th	36·8
	Krishnagar	47	29·982‡		29·981‡	30·081	9th	29·879	13th	·202	61·2	81·1		57·8		69·4		23·3	87·1	28th	48·9	9th & 10th.	38·2
	Burdwan	99	29·942	+·019	29·995	30·041	9th	29·827	13th & 14th.	·214	64·4	81·6	−2·2	60·6	+2·0	71·1	−0·1	21·0	88·4	28th	54·8	10th	33·6
	Bankura	813	29·715		29·994	29·897	9th	29·602	14th	·205	64·7	81·0		60·7		70·9		20·3	88·1	26th, 27th, & 28th.	53·6	9th & 10th.	34·5
	Raniganj	334	29·707		30·013	29·800	9th	29·594	14th	·206	62·5	80·2		58·5		69·4		21·7	87·5	27th	52·2	9th & 10th.	35·3
	Berhampore	67	29·974	+ 020	29·993	30·069	9th	29·854	14th	·215	61·6	79·7	−2·3	58·3	+1·8	69·1	−0·3	21·4	86·3	26th & 27th.	51·2	9th & 10th.	35·1
	Naya Dumka	489	29·541		30·017	29·655	4th	29·434	13th	·222	62·1	77·4‡		56·6		67·0‡		20·8	85·9	27th	49·0	10th	36·9
7	Balasore	50	29·896	+·027	29·990	30·101	9th	29·866	14th	·235	67·6	83·5	−1·9	63·9	+2·0	73·7	+0·1	19·6	88·9	27th	55·1	10th	33·8
	False Point	21	30·021	+·020	29·984	30·119	9th	29·886	14th	·233	71·5	81·8	−1·0	64·7	−0·1	73·3	−0·6	17·1	86·1	20th	56·6	10th, & 11th	29·5
	Cuttack	80	29·950	+·013	29·976	30·053	9th	29·824	14th	·229	70·5	87·7	−2·4	67·9	+2·2	77·8	−0·1	19·8	93·4	27th	61·7	9th	31·7
	Puri	24	30·018		29·981	30·126	9th	29·890	14th	·236	74·1	83·3		70·2		76·7		13·1	85·6	4 days	62·1	10th	23·5
	Angul	455	29·560		29·993	29·659	9th	29·440	14th	·219	67·7	86·3		63·5		75·0		22·8	90·6	27th	55·1	10th	35·5
	Sambalpur	456	29·528	0	29·982	29·657	9th	29·408	14th	·249	67·	85·1	−2·9	62·1	+2·2	73·6	−0·4	23·0	92·6	26th	54·7	9th	37·9
8	Chaibassa	*760*	29·251	+·020	29·997	29·946	9th	29·131	13th	·215	63·3	82·3	−2·9	0·0	+1·7	71·1	−0·6	22·3	89·4	18th, 26th & 28th.	51·7	10th	37·7
	Ranchi	2,128	27·860	+·023	30·027	27·921	9th	27·752	13th	·169	9·	74·1	−4·1	55·3	+0·5	64·8	−1·8	18·8	82·1	26th	47·5	9th	34·6
	Purulia	*816*	29·198		30·002	29·295	9th	29·091	13th	·204	61·7	9·9		58·2		69·1		21·7	87·5	26th	51·1	10th	36·4
	Hazaribagh	2,007	27·975	+·015	30·015	28·050	4th	27·863	13th	·187	60·2	73·1	−4·9	54·5	0	63·8	−2·5	18·6	80·7	26th	48·2	9th	32·5
	Daltonganj	*730*	29·282		30·006	29·367	8th & 9th.	29·170	13th	·197	57·8§	75·3§		53·2§		64·3§		22·1	81·0	12th	47·0	3rd, 9th & 10th.	34·0
9	Purnea	123	29·908	+·026	29·996	30·027	4th	29·	1st	·223	58·4	77·6	−1·5	51·9	+0·5	64·8	−0·5	25·7	84·2	27th	42·7	3rd	41·5
	Bhagalpur	160	29·889		30·009	29·892	4th	29·781	13th	·211	64·7	76·6		55·8		66·2		20·8	84·2	27th			
	Monghyr	155								Obse	rva	y	not op	ened.							48·3	3rd	35·9
	Darbhanga	165	29·868	+·025	29·998	29·849	9th	29·753	13th	·196	57·6	74·7	−2·1	53·8	−0·6	64·2	−1·4	20·9	82·1	1st	47·8	9th	34·3
	Pusa	166	29·864			29·912	20th	29·762	13th & 14th.	·180	58·1			53·4							47·7	2nd	
	Muzaffarpur	178	29·854		29·998	29·946	7th	29·740	13th	206	60·2	74·2		54·6		64·4		19·6	81·6	1st	48·0	2nd	33·6
	Motihari	224	29·788		29·966	29·876	7th	29·680	14th	·196		75·1		52·2		63·7		22·9	82·3	1st	44·2	2nd	38·1
	Chapra	181	29·850		29·996	29·926	5th & 7th.	29·749	1st	·177		?		?		?		?	?	?	?	?	?
	Patna	183	29·853	+·017	29·999	29·935	4th	29·752	13th & 14th.	·183	61·1	74·1	−4·1	56·2	+2·6	65·1	−0·8	17·9	81·5	1st & 27th.	49·9	9th	31·6
	Arrah	190	29·845		30·000	29·916	5th	29·739	13th	·177	·4	73·9		55·4‡		64·6‡		18·5	82·9	1st	47·6	8rd	35·3
	Buxar	239	29·784		29·994	29·859	8th	29·689	13th	·170	59·9	74·1		55·5		64·8		18·6	84·1	1st	45·9	2nd	38·2
	Dehri	351	29·676		30·001	29·770	4th	29·573	13th	·197		75·4		58·6		67·0		16·8	83·8	26th & 27th.	52·1	2nd	31·7
	Gaya	375	29·653	+·011	30·004	29·73.	9th	29·542	13th	·189	60·9	75·2	−6·1	56·4	+0·2	65·8	−3·0	18·8	83·9	26th	46·2	3rd	35·7
	IV.—United Provinces of Agra and Oudh.																						
10	Gorakhpur	257	29·752	+·013	29·982	29·832	7th	29·660	14th	·172	58·6	74·6	−3·4	53·5	+0·9	64·1	−1·3	21·1	83·1	1st.	45·1	2nd	38·0
	Benares	267	29·760	+·012	29·998	29·860	8th	29·669	13th	·191	59·9	73·9	−5·5	53·6	+1·6	64·3	−2·0	21·3	83·5	1st	43·1	2nd & 3rd	39·4
	Allahabad	309	29·714	+·007	29·996	29·830	8th	29·623	13th	·207	59·9	75·1	−5·1	54·2	+2·4	64·7	−1·4	20·9	83·1	1st	42·5	2nd	40·6

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

NOTE 1.—The barometric readings are not reduced to

* Indeterminate.

† Uncorrected Reading.
‡ Mean of 27 days.

B—*continued*.

***stations, in India, etc., in February, 1907*—continued.**

Wind Direction.										Wind Velocity.			Wind Steadiness.		Hygrometry, 8 hrs.				Cloud.		Rainfall.									Heaviest rainfall during month.	Station.
Number of winds from																														
Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N. W.	Resultant direction.	Normal direction.	Mean velocity in miles per hour.	Normal.	Departure from normal.	Actual percentage.	Departure from normal.	Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal, in inches of mercury.	Mean cloud amount at 8 hrs.	Departure from normal.	Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st Dec., 1906, to 28th Feb., 1907.	Normal rainfall for period, 1st Dec. to 28th Feb.	Departure from normal of period, 1st Dec., 1906, to 28th Feb., 1907.		
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
28									*	N 40° E	1·2					87	+ 1	·426	+ ·044	3·8	+ 2·3	2	1·03	+ 0·97	0·70	0·45	+ 0·25	0·75	0·99	— 0·24	0·44	Jalpaiguri.
17		2	8	1					N 84° E		1·6			26		87		·416		4·3		2	1·21	+ 0·79	0·68	0·42	+ 0·26	0·68	0·93	— 0·25	0·45	Cooch Behar.
																																III.—Bengal.
	8	11	4		1	2		2	N 31° E	N 3° W	8·†	8·7	−0·2	63	+39	88	+ 2	·630	—·012	4·1	+0·9	3	1·75	+1·26	1·90	1·12	+ 0·78	1·92	1·66	+ 0·26	1·24	Sauger Island.
								3	N 3° E		3·6			78		71		·463		2·4		3	1·77	+1·23	0·51	1·09	−0·58	0·51	1·84	− 1·33	0·29	Midnapore.
2	17	5			1																											
8	6	4	2	1			1	6	N 2° E	S 46° W	3·8†	3·3	+0·5	40	+24	82	+ 1	·520	+ ·003	2·8	+ 0·6	2	1·61	−1·61	0·09	1·00	−0·91	0·09	1·54	— 1·45	0·05	Calcutta.
22	4	1		1					N 14° E	N 18° W	8	2·0	−1·2	14	+ 2	78	− 5	·493	—·009	2·1	−0·2	2	1·77	+0·23	0·63	1·16	−0·53	0·63	1·80	— 1·17	0·44	Jessore.
17	3	1	1				1	5	N 23° W		·5‡			89		89		·481		1·8		2	1·58	+0·42	1·22	1·10	+0·12	1·22	1·63	— 0·41	0·75	Krishnagar.
11	9	2	1					5	N 4° W	N 27° W	2·3	2·0	+0·3	49	+29	76	+ 8	·459	+ ·043	5·6	+3·1	1	1·58	−0·58	0·94	0·92	+ 0·02	0·94	1·32	— 0·38	0·86	Burdwan.
17	2	2		1	1	1	2	2	N 45° W		2·5.			11		71		·432		2·9		2	1·88	+0·12	1·59	1·03	+0·56	1·59	1·50	+ 0·09	1·34	Bankura.
24	2	1					1		N		1·2			12		79		·448		2·4		1	1·52	−0·52	1·22	1·05	+0·17	1·22	1·56	− 0·34	0·97	Raniganj.
12	5	1			2	4	1	3	N 59° W	S 83° W	2·0	2·2	−0·2	21	−10	83	+ 3	·465	+ ·020	2·9	+0·7	2	1·65	+0·35	0·75	0·97	−0·22	0·75	1·49	— 0·74	0·31	Berhampore.
27	1								N		1·4.			4		77		·429		1·9		4	1·62	+2·38	1·28	0·70	+0·58	1·28	1·45	− 0·17	0·50	NayaDumka.
3	11	2				2	1	9	N 22° W	N 42° W	2·6	3·8	−1·2	67	+32	76	− 2	·516	—·010	3·0	0	4	2·16	+1·84	1·59	1·20	+0·39	1·71	1·65	+ 0·06	0·75	Balasore.
7	8	3				2	2	6	N 32° W	N 57° W	6·4	7·8	−1·4	49	+ 6	87	+ 1	·675	+ ·008	3·1	0	3	1·29	+1·71	1·89	0·95	+0·94	2·31	2·10	+ 0·21	1·21	False Point.
15		5	5			2		1	N 63° E	N 36° E	1·8†	2·1	−0·3	25	+18	84	+ 6	·629	+ ·067	3·4	+1·0	2	1·16	+0·84	0·45	0·46	−0·01	0·50	0·89	— 0·39	0·33	Cuttack.
2	9	3	1		2	6	2	3	N 36° W		12·6			32		78		·673		2·2		0	1·08	−1·08	0·11	0·99	−0·88	0·13	1·90	− 1·77	0·08	Puri.
6	2	1		3	3		5	8	N 69° W		4·5			29		85		·585		4·4		5			2·54			2·93			0·98	Angul.
	4	8	9	6	1				N 78° E	N 27° E	4·4	2·9	+1·5	67	+ 5	72	+ 5	·479	+ ·021	2·5	+ ·5	3	1·00	+2·00	1·37	0·51	+0·86	1·73	1·03	+ 0·70	0·83	Sambalpur.
									*	S 86° W	?		?			82	+13	·474	+ ·051	3·2	+1·1	3	1·61	+1·39	1·67	1·26	+0·41	1·88	1·50	+ 0·38	0·69	Chaibasa.
28																																
2	6		1	1	1		5	12	N 43° W	N 68° W	7·3	5·8	+1·5	60	+25	73	+14	·362	+ ·036	4·1	+2·0	3	2·10	+0·90	2·23	1·36	+0·87	2·33	1·74	+ 0·59	0·99	Ranchi.
3	1	1	1		1	2	11	8	N 73° W		2·9			56		81		·447		3·2		2	1·97	+0·03	1·48	1·02	+0·46	1·48	1·64	− 0·16	1·18	Purulia.
2	1	2		1	6	5	6	5	S 70° W	S 87° W	6·8	7·2	−0·4	42	− 2	73	+16	·377	+ ·073	3·7	+1·1	6	1·84	+4·16	4·62	0·76	+3·86	4·68	1·44	+ 3·24	1·16	Hazaribagh.
13		3	4	5	2			1	S 72° E		3·3			32		80§		·332§		3·5		7	1·30	+5·70	3·86	0·53	+3·33	4·10	1·58	+ 2·52	0·86	Daltonganj.
6	1	3	1		2	9	2	4	S 76° W	S 64° W	3·0	3·1	−0·1	29	+ 9	89	+ 5	·436	+ ·043	3·6	+2·1	1	1·13	−0·13	0·44	0·56	−0·12	0·44	1·13	— 0·69	0·34	Purnea.
12					5	3	8		S 55° W		3·1			42		69		·425		4·2		3	1·52	+1·48	1·77	0·68	+1·09	1·77	1·30	+ 0·47	0·89	Bhagalpur.
																	Observatory not opened.														Monghyr.	
23			1			2	2		S 63° W	N 89° W	2·0	3·7	−1·7	7	−24	89	+12	·331	+ ·039	2·9	+1·3	2	1·23	+0·77	1·02	0·51	+0·51	1·02	1·20	— 0·18	0·65	Darbhanga.
12	1	3	2	1	1	4	3	1	S 63° W					7		86		·420		3·9		3			1·22			1·22			0·71	Pusa.
21			1	1		1	2	2	W		1·8†			9		86		·452		1·8		3	1·27	+1·73	1·55	0·47	+1·08	1·55	1·33	+ 0·22	0·78	Muzaffarpur.
12		3	1		2	4	5	1	S 68° W		3·4			18		90		·405		4·1		5	1·00	+4·00	1·07	0·37	+0·70	1·29	1·10	+ 0·19	0·23	Motihari.
									?							?		?		2·8		4	1·13	+2·87	2·54	0·49	+2·05	2·54	1·32	+ 1·22	1·16	Chapra.
2		1	2	1	1	11	10		S 57° W	S 70° W	5·0	3·3	+1·7	56	+ 9	79	+11	·429	+ ·058	4·0	+1·6	5	1·16	+3·84	2·84	0·60	+2·24	2·84	1·26	+ 1·58	1·16	Patna.
9				2	3	10	4		S 40° W		2·6			53		83		·431		2·0		6	1·10	+4·90	3·39	0·61	+2·78	3·41	1·62	+ 1·79	1·10	Arrah.
4			3	4	2	9	4	2	S 31° W		5·6			42		78		·404		4·6		7	1·39	+5·61	4·97	0·52	+4·45	5·04	1·50	+ 3·54	1·70	Buxar.
2	1	1	1	1	4	9	3	1	S 25° W		4·5			56		74		·430		4·9		6	1·29	+4·71	4·09	0·52	+3·57	4·17	1·43	+ 2·74	1·75	Dehri.
12	1	1		4	3	2	5		S 31° W	S 37° W	3·8	3·6	+0·2	25	−10	85	+17	·462	+ ·079	4·4	+2·1	6	1·39	+4·61	3·64	0·63	+3·01	3·68	1·39	+ 2·29	1·05	Gaya.
																																IV.—United Provinces of Agra and Oudh.
11		1	1			1	8	3	N 77° W	N 73° W	1·5†	2·2	−0·7	32	− 7	77	+ 4	·383	+ ·019	3·3	+1·4	4	1·10	+2·70	1·21	0·49	+0·72	1·41	1·39	+ 0·02	0·57	Gorakhpur.
14	1		3	1	1	3	5		S 42° W	S 52° W	2·9	3·9	−1·0	14	−20	81	+ 5	·436	+ ·058	3·9	+1·7	7	1·20	+5·80	6·69	0·46	+6·23	6·86	1·34	+ 5·52	1·88	Benares.
10	2	2	1			5	7	1	N 86° W	S 81° W	2·8	4·5	−1·7	32	+ 8	78	+ 9	·411	+ ·050	4·5	+2·0	7	1·00	+6·00	3·38	0·47	+2·91	3·39	1·47	+ 1·92	0·84	Allahabad.

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

§ Mean of 16 days.

Table

(2) *Abstract of observations taken at 8 hrs., at 235*

Number of sub-division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs. in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean 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
	Cawnpore	416	29·604	+·025	30·007	29·718	8th	29·501	14th	·214	57·9	73·8	−5·0	52·7	+1·2	63·3	−1·9	21·1	81·9	26th & 28th.	45·6	2nd	36·3
	Lucknow	368	29·659	+·023	30·011	29·760	8th	29·561	14th	·199	56·2	74·0	−4·8	52·3	+1·4	63·2	−1·7	21·7	82·0	26th	42·6	2nd	39·4
	Bahraich	401	29·595	+·013	29·983	29·695	10th	29·487	14th	·208	56·4	73·2	−3·5	52·3	+1·6	62·8	−1·0	20·9	80·6	28th	44·0	2nd	36·6
11	Jhansi	858	29·169	+·009	30·033	29·308	8th	29·032	6th	·276	60·0	77·5	−3·7	57·5	+2·1	67·5	−0·8	20·0	85·2	8th	51·7	9th & 21st.	33·5
	Agra	556	29·469	+·010	30·021	29·602	8th	29·349	6th	·253	56·0	72·0	−6·6	53·0*	−0·1	62·5*	−3·4	19·0	81·5	28th	46·0	9th	35·5
	Mainpuri	516	29·483*	+·010	29·993*	29·636	8th	29·374	14th	·262	55·8	73·1†	−3·7	51·2	+0·8	62·1†	−1·5	21·9	80·3	26th & 28th.	40·3	1st	40·0
	Bareilly	568	29·416	+·003	29·989	29·542	8th	29·326	14th	·216	53·1	70·5	−4·5	49·7	0	60·1	−2·3	20·8	78·3	28th	40·5	1st	37·8
	Meerut	738	29·252	+·007	30·007	29·395	8th	29·119	6th	·276	53·3	69·2	−5·2	48·8	+0·4	59·0	−2·5	20·4	79·1	28th	40·8	1st & 2nd.	38·3
	Roorkee	890	29·068	+·020	30·019	29·220	8th	28·983	14th	·237	52·0	67·0	−6·1	47·8	+0·1	57·4	−3·0	19·2	74·5	28th	38·7	1st	35·8
	Dehra Dun	2,223	27·718	+·006	30·026	27·828	8th	27·625	14th	·203	50·9	64·4	−4·8	46·3	−0·7	55·4	−2·8	18·1	74·0	28th	39·0	8th	35·0
	V.—Punjab.																						
12	Delhi	718	29·289	+·014	30·019	29·434	8th	29·142	6th	·292	54·7	69·9	−4·9	51·4	−0·4	60·7	−2·7	18·5	80·7	28th	46·2	2nd & 9th.	34·5
	Sirsa	682	29·342	+·005	30·019	29·515	8th	29·181	6th	·334	52·4	69·1	−6·1	48·0	+1·2	58·6	−2·5	21·1	82·3	28th	38·0	1st	44·3
	Patiala	*818*	29·168		30·011	29·318	8th	29·056	6th	·262	52·9	66·0		48·9		57·5		17·1	75·8	28th	39·5	1st & 2nd.	26·3
	Ambala	892	29·078	+·018	30·002	29·215	8th	29·000	6th	·215	52·2	66·8	−4·7	47·5	−0·3	57·2	−2·5	19·3	75·5	28th	38·0	2nd	37·5
	Ludhiana	812	29·173	+·007	30·013	29·343	8th	29·062	6th	·281	52·1	63·1	−8·1	49·7	+2·2	56·4	−3·0	13·4	75·5	28th	40·1	1st	25·4
—	Lahore	702	29·290	−·007	30·019	29·483	8th	29·113	18th	·370	50·5	65·9	−6·8	47·1	+3·0	56·5	−1·9	18·8	77·8	28th	37·1	1st	40·7
	Sialkot	830	29·170	+·022	30·034	29·338	8th	29·011	18th	·327	51·2	64·9	−4·7	46·5	+0·4	55·7	−2·2	18·4	78·0	28th	37·0	1st	41·0
	Rawalpindi	1,674	28·298	−·002	30·068	28·464	8th	28·107	18th	·357	46·7	60·8	−4·0	42·6	+1·2	51·7	−1·4	18·2	70·9	28th	36·0	1st	34·9
13	Khushab	612	29·407	+·019	30·040	29·599	8th	29·211	18th	·388	50·5	66·5	−2·2	46·0	−0·1	56·3	−1·2	20·5	82·3	28th	37·4	1st	44·9
	Montgomery	558	29·461	+·015	30·029	29·648	8th	29·301	18th	·347	52·4	68·6	−1·2	46·2	−0·2	57·4	−2·2	22·4	83·8	28th	37·0	7th	46·8
	Multan	420	29·602	−·018	30·021	29·742	8th	29·469	6th	·273	52·7	69·2	−4·5	48·1	+0·6	58·7	−2·0	21·1	84·8	28th	40·0	1st & 12th.	44·8
	VI.—North-West Frontier Province.																						
15	Peshawar	1,110	28·923	−·006	30·100	29·089	8th	28·754	18th	·335	46·9	61·0	−5·1	44·4	+1·8	52·7	−1·7	16·6	74·2	26th	35·4	7th	38·8
	D. I. Khan	590	29·456	−·004	30·045	29·636	8th	29·284	18th	·352	49·7	67·2	−4·7	44·9	0	56·1	−2·4	22·3	81·3	28th	34·5	7th	46·8
	VII.—Sind.																						
17	Jacobabad	186	29·848	−·012	30·009	29·963	8th	29·714	28th	·269	55·2	72·9	−5·0	50·9	+2·4	61·9	−1·3	22·0	93·1	28th	40·1	7th	53·0
	Hyderabad	96	29·932	−·027	29·988	30·059	20th	29·831	14th	·325	58·7	75·7	−5·1	54·6	+0·2	65·2	−2·5	21·1	97·1	28th	42·0	19th	55·1
	Kurrachee	30	30·004	−·024	29·986	30·141	20th	29·903	14th	·238	62·2	74·8	−4·9	58·7	+0·7	66·8	−2·1	16·1	83·9	26th, 27th & 28th.	48·2	1st	35·7
	VIII.—Rajputana.																						
18	Bikaner	*771*	29·207	−·017	29·995	29·377	8th	29·086	6th	·291	55·7	72·3	−3·6	51·9	−1·6	62·1	−2·6	20·4	88·7	28th	43·1	1st	45·6
	Jodhpur	782	29·215		30·021	29·357	8th	29·090	14th	·267	60·1	75·4		56·5		66·0		18·9	92·1	28th	42·1	1st	50·0
	Pachpadra	*880*	29·624	−·015	29·984	29·787	8th	29·507	14th	·280	59·4	76·6	−6·4	53·6	+4·8	65·0	−0·8	23·0	94·5	28th	37·2	1st	57·3
19	Jaipur	1,431	28·566	0	30·035	28·698	8th	28·422	6th	·276	57·6	72·8	−5·8	52·6	+0·7	62·7	−2·6	20·2	86·2	28th	42·0	1st	44·2
	Sambhar	1,254	28·735	+·001	30·027	28·877	8th	28·591	6th	·286	55·7	72·9	−4·5	51·5	+1·8	62·2	−1·4	21·4	86·4	28th	40·0	1st	46·4
	Ajmer	1,611	28·388	−·007	30·046	28·531	8th	28·251	6th	·280	56·8	71·4	−6·4	53·3	+3·9	62·4	−1·3	18·1	85·9	28th	41·9	1st	44·0
	Kotah	819	29·170		30·032	29·323	8th	29·031	6th	·292	60·7	78·6		56·0		67·3		22·6	89·0	28th	44·6	4th	44·4
	Udaipur	1,985	28·068		30·029	28·182	8th	27·941	6th	·241	56·6	77·2		52·7		65·0		24·5	89·5	28th	38·2	1st	51·3

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

* Mean of 20 days.
† " " 27 "

Note—The barometric readings are not reduced to sea-level in the cases

B—*continued.*

tations, in India, etc., in February, 1907—continued.

Wind Direction.										Wind Velocity.			Wind Steadiness.		Hygrometry, 8 hrs.				Cloud.		Rainfall.								Station
Number of winds from									Resultant direction.	Normal direction.	Mean velocity in miles per hour.	Normal.	Departure from normal.	Actual percentage.	Departure from normal.	Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Mean cloud amount at 8 hrs.	Departure from normal.	Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st Dec., 1906, to 28th Feb., 1907.	Normal rainfall for period, 1st Dec., to 28th Feb.	Departure from normal of period, 1st Dec. 1906, to 28th Feb., 1907.	Heaviest rainfall during month.	
Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.																					
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
17	1		2	1	1	1	3	2	W	N 81° W	0	3·9	−3·9	9	−15	87	+20	·419	+·085	3·8	+1·9	5	1·00	+4·00	2·43	0·48	+1·95	2·63	1·33	+1·30	1·04	Cawnpore.
19			3				3	3	W	N 74° W	1·7	3·0	−1·3	11	−19	79	+ 7	·365	+·021	4·7	+1·9	5	1·20	+3·80	2·06	0·44	+1·62	2·06	1·78	+0·28	0·90	Lucknow.
12	1		2	1	1	1	2	8	N 54° W	N 68° W	2·9	3·2	−0·3	29	− 2	83	+ 5	·385	+·017	3·7	+0·7	5	1·60	+3·40	1·80	1·01	+0·79	1·81	2·27	−0·46	0·61	Bahraich.
21	1	2	1	2			1		N 70° E	S 81° W	2·6	2·5	+0·1	11	−12	78	+25	·408	?	3·0	+1·3	5	0·80	+4·20	3·29	0·41	+2·88	3·74	1·27	+2·47	1·00	Jhansi.
6		1		10		8		3	S	N 53° W	4·6	4·3	+0·3	35	− 4	77	+12	·349	+·039	4·5	+2·1	4	0·60	+3·40	2·52	0·29	+2·23	3·02	1·11	+1·91	0·95	Agra.
12	2	1	1		2	2		8	N 47° W	N 63° W	2·6	2·0	+0·6	29	+ 9	81	+ 9	·366	+·039	4·3	+1·0	4	0·70	+3·30	1·86	0·96	+0·90	2·12	2·03	+0·09	0·67	Mainpuri.
19	1				2	1	4	1	S 80° W	N 51° W	2·6	3·1	−0·5	18	− 8	90	+14	·358	+·034	4·4	+1·3	4	1·18	+2·82	2·04	0·74	+1·30	2·77	2·12	+0·65	0·65	Bareilly.
18	1	1					7	1	N 7° W	N 89° W	1·2	2·6	−1·4	25	− 6	84	+11	·341	+·038	4·6	+1·5	5	1·50	+3·50	2·29	0·90	+1·39	3·93	2·73	+1·20	1·23	Meerut.
20		2		2				4	N	N 10° W	2·3	2·8	−0·5	10	− 2	91	+11	·354	+·046	4·3	+1·0	7	2·90	+4·10	3·68	1·32	+2·36	5·57	3·61	+1·96	1·38	Roorkee.
28									§	N 32° W	1·6‡	1·7	−0·1			80	+ 6	·302	+·021	6·0	+2·2	8	4·10	+3·90	5·05	2·21	+2·84	8·56	5·39	+3·17	1·49	Dehra Dun.
																																V—Punjab.
1	3	2	1	3	2	2	10	4	N 79° W	N 86° W	3·7	3·5	+0·2	36	+ 3	80	+15	·343	+·061	5·6	+1·9	5	1·40	+3·60	1·61	0·71	+0·90	2·87	2·47	+0·40	0·57	Delhi.
5	2	2	6	4	3	3	2	1	S 54° E	S 76° W	4·1	4·1	0	25	+21	84	+11	·333	+·045	4·6	+0·5	3	1·10	+1·90	0·79	0·33	+0·46	1·45	1·48	−0·03	0·43	Sirsa.
3	5		3	5	1	1	4	6	N 27° W		6·0			18		88		·358		5·3		4			5·84		∞	8·54			3·06	Patiala.
14	1		2	2				9	N 27° W	N 39° W	2·8	2·3	+0·5	25	0	86	+ 2	·340	+·016	5·8	+2·4	5	2·30	+2·70	4·22	2·41	+1·91	5·02	4·85	+0·17	2·90	Ambala.
8	1	3	2	5		1	1	7	N 16° E	N 52° W	2·4	1·9	+0·5	14	−14	89	+11	·352	+·044	5·0	+0·5	7	2·40	+4·60	6·65	1·30	+5·35	9·39	3·92	+5·47	2·01	Ludhiana.
12	3	4	3	1			3	1	N 26° E	N 23° W	2·0	2·2	−0·2	25	+16	90	+12	·335	+·040	5·9	+2·3	5	2·20	+2·80	2·48	1·10	+1·38	3·45	2·60	+0·85	1·26	Lahore.
18		2	4	1	1		1	1	N 34° E	N 18° E	1·6	1·8	−0·2	16	+ 2	83	+ 4	·319	+·012	3·9	+0·7	8	3·50	+4·50	3·67	1·80	+1·87	6·42	4·83	+1·59	0·93	Sialkot.
22	1	3			1			1	N 27° E	N 45° W	2·5	2·3	+0·2	11	−13	89	+ 7	·286	+·023	5·5	+1·2	7	4·40	+2·60	4·54	2·24	+2·30	9·75	5·72	+4·03	1·37	Rawalpindi.
15	1	6	2			1	2	1	N 28° E	N 29° E	4·3	3·3	+1·0	21	+10	87	+17	·319	+·087	4·6	+1·3	6	1·80	+4·20	1·69	0·69	+1·00	1·93	2·05	−0·12	0·80	Khushab.
8	1	8	2	4		1	1	3	N 51° E	N 18° E	4·3	4·2	+0·1	29	+13	76	+ 7	·296	+·021	5·1	+1·4	4	1·30	+2·70	0·67	0·67	0	0·89	1·93	−1·04	0·20	Montgomery.
12	6	8						2	N 18° E	N 37° E	2·2	1·8	+0·4	49	+29	74	+ 6	·297	−·007?	4·9	+1·6	0	1·20	−1·20	0·20	0·43	−0·23	0·80	1·07	−0·47	0·07	Multan.
																																VI.—North-West Frontier Province.
23					2	1		2	S 58° W	S 27° W	1·5	3·2	−1·7	7	−32	83	+ 7	·267	+·015	5·6	+1·1	6	2·90	+3·10	2·75	1·22	+1·53	5·78	3·15	+2·63	0·90	Peshawar.
21	1			1				5	N 37° W	N 22° W	?	1·9	?	18	− 6	81	+10	·292	+·032	5·5	+2·2	5	2·00	+3·00	1·22	0·77	+0·45	1·46	1·44	+0·02	0·34	D. I. Khan.
																																VII.—Sind.
6	3	3	3	3	3	1	1	5	N 36° E	N 37° E	4·6	3·0	+1·6	14	− 6	63	+ 6	·274	+·025	4·4	+1·0	3	0·90	+2·10	0·75	0·34	+0·41	0·75	0·70	+0·05	0·35	Jacobabad.
2	8	1		1	1	4	1	10	N 40° W	N 21° W	6·3	6·9	−0·6	49	+ 9	70	+13	·347	+·045	3·5	+0·9	3	0·60	+2·40	1·32	0·22	+1·10	1·32	0·51	+0·81	0·58	Hyderabad.
3	1	17	3				2	2	N 39° E	N 39° E	6·7	9·8	−3·1	63	+ 4	76	+ 7	·440	+·034	5·3	+3·2	4	0·80	+3·20	2·03	0·31	+1·72	2·03	1·10	+0·93	0·98	Kurrachee.
																																VIII.—Rajputana.
1	1	2	8	7	5	3	1		S 50° E	N 39° W	5·8	4·5	+1·3	53	+29	59	+ 6	·266	+·018	5·1	+1·8	1	0·80	+0·20	0·40	0·26	+0·14	0·65	0·82	−0·17	0·24	Bikaner.
9	4	7	1	2		2	1	2	N 26° E		3·7			32		60		·312		5·7		5	0·50	+4·50	1·35	0·11	+1·24	1·53	0·49	+1·04	0·36	Jodhpur.
	3	5	7	4	2	2	2	3	N 73° E		4·8	4·5	+0·3	29		69	+16	·355	+·118	3·0	+0·2	5	0·30	+4·65	1·70	0·08	+1·62	1·78	0·58	+1·20	0·69	Pachpadra.
4	5	6	10	2			1		N 62° E	N 2° W	4·7‡	3·8	+0·9	60	+29	63	+ 6	·298	+·021	5·3	+2·4	3	0·50	+2·50	2·28	0·17	+2·11	2·49	0·96	+1·53	1·47	Jaipur.
20	2	1	3	1				1	N 53° E	N 9° E	4·6‡	4·7	−0·1	18	−10	74	+15	·329	+·069	5·1	+2·6	3	0·50	+2·50	1·70	0·18	+1·52	2·70	0·92	+1·78	1·09	Sambhar.
12		5	1	7	1	1		1	S 73° E	N 2° W	3·5	2·5	+1·0	29	+18	74	+10?	·344	+·060	5·2	+2·9	6	0·70	+5·30	2·18	0·24	+1·94	2·43	0·95	+1·48	1·30	Ajmer.
26		4		1		2		1	N 45° E		1·9			4		50		·320		3·1		2	0·50	+2·50	1·57	0·25	+1·32	1·85	0·69	+1·16	1·20	Kotah.
22	2	4					1	2	N 35° W		2·8			14		69		·363		4·0		2	0·20	+2·70	1·19			1·20			0·52	Udaipur.

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

‡ Uncorrected readings.
§ Indeterminate.

Table

(2) *Abstract of observations taken at 8 hrs., at 235*

Number of sub-division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	IX.—Bombay.																						
20	Deesa	466	29·536	−·017	29·979	29·663	20th	29·435	14th	·228	63·1	82·1	−4·4	55·9	+0·8	69·0	−1·8	26·2	94·8	27th	37·4	1st	57·4
	Bhuj	395	29·626	−·006	29·992	29·765	20th	29·509	14th	·256	64·9	80·7	−3·6	59·4	+1·3	70·1	−1·2	21·3	94·6	28th	53·0	1st & 19th	41·6
	Jamnagar	61	29·962		29·968	30·097	20th	29·854	14th	·243	63·7	81·7		60·1		70·9		21·6	91·5	28th	52·8	1st	38·7
	Dwarka	37	29·998		29·982	30·151	20th	29·880	3rd	·251	70·5	77·9		65·0		71·5		12·9	81·3	28th	57·6	8th & 20th.	23·7
	Rajkot	429	28·592	−·004	29·992	29·706	20th	29·510	14th & 15th.	·196	65·7	84·7	−2·5	57·3	+2·8	71·0	+0·2	27·4	95·9	28th	46·0	1st	49·9
	Veraval	*18*	30·006	+·003	29·966	30·111	20th	29·919	15th	·192	68·1	80·6	−0·9	63·2	+2·5	71·9	+0·8	17·4	91·6	27th	53·3	1st	38·3
	Bhavnagar Para	55	29·979	−·013	29·978	30·072	20th	29·879	3rd	·193	65·8	86·1	+0·3	59·8	0	72·9	+0·2	26·3	96·4	27th & 28th.	49·0	2nd	47·4
	Surat	39	29·982	−·007	29·967	30·059	20th	29·898	15th	·161	66·7	87·8	−1·9	62·3	+3·3	75·1	+0·7	25·5	98·7	28th	51·6	2nd	47·1
	Ahmedabad	163	29·857	+·002	29·976	29·970	20th	29·770	3rd	·206	66·8	85·5	−2·0	61·3	+1·0	73·4	−0·5	24·2	97·1	27th & 28th.	47·7	1st	49·4
26	Bombay	37	29·879	−·002	29·957	30·054	7th	29·908	15th	·146	72·1	83·3	+0·7	69·8	+1·1	76·6	+0·9	13·5	87·5	28th	63·5	1st	24·0
	Ratnagiri	110	29·882	0	29·934	29·948	7th	29·820	15th	·128	72·2	85·0	−1·4	68·7	+1·4	76·9	0	16·3	89·3	26th	60·9	2nd	28·4
	Goa	199	29·792	†	29·932	29·847	7th	29·725	15th	·122	74·7	84·0	−2·6	71·0	+0·9	77·5	−0·9	13·0	88·0	22nd	67·0	3rd	21·0
	Mormugao	*60*	29·839	+·006	29·935	30·000	7th	29·877	15th	·123	73·9	84·0	−0·9	71·6	+0·4	77·9	−0·3	12·4	88·0	22nd	65·3	2nd	22·7
	Karwar	44	29·954	−·004	29·932	30·004	8th	29·897	15th	·107	70·3	85·8	−0·5	67·4	+0·1	76·7	−0·2	18·4	89·3	22nd	63·5	2nd, 3rd & 4th.	25·8
27	Malegaon	1,430	28·568	−·004	30·005	28·643	20th	28·489	3rd	·154	64·1	89·4	−0·5	55·9	+0·5	72·7	0	33·5	96·4	24th	40·6	1st	55·8
	Ahmednagar	2,154	27·856	†	30·011	27·919	28th	27·789	15th	·130	66·5	89·1	+1·0	57·2	+2·1	73·2	+1·6	31·9	96·9	25th	46·1	1st	50·8
	Poona	1,846	28·154	−·005	30·009	28·220	7th	28·072	15th	·148	64·3	90·1	−1·2	56·1	−1·0	73·1	−1·1	34·0	97·0	26th	42·3	1st	54·7
	Sholapur	1,590	28·394	−·013	29·963	28·446	20th	28·324	15th	·122	72·5	93·2	−0·5	61·9	+2·7	79·1	+1·1	28·3	98·7	24th	56·1	1st & 2nd.	42·6
	Bijapur	*1,948*	28·041	+·013	29·959	28·099	7th	27·965	2nd	·134	73·0	91·2	+0·8	65·3	+1·1	78·3	+1·0	25·9	97·2	25th	59·2	1st & 2nd	38·0
	Belgaum	2,538	27·446	−·004	29·950	27·491	27th	27·370	2nd	·121	70·0	88·4	−0·2	59·7	+0·1	74·1	−0·1	28·7	94·8	26th	46·0	1st	48·8
	X.—Central India.																						
21	Neemuch	1,624	28·366	−·006	30·026	28·475	8th	28·255	6th	·220	59·5	78·4	−2·8	53·1	+1·0	65·8	−0·9	25·3	88·5	25th	39·8	1st	48·7
	Indore	1,823	28·173	+·005	30·015	28·266	20th	28·087	14th	·179	63·7	81·0	−2·3	54·1	+2·0	67·6	−0·2	26·9	88·1	25th	41·6	1st	46·5
22	Nowgong	757	29·254	−·002	30·014	29·395	8th	29·139	6th	·256	58·2	74·9	−5·4	54·2	+2·1	64·1	−1·7	21·7	83·5	25th	41·0	2nd	42·5
	Sutna	1,040	28·954	−·001	30·011	29·079	8th	28·849	13th	·230	59·4	75·2	−4·4	51·8	+2·5	65·0	−1·0	20·4	82·4	26th	44·2	2nd	38·2
	XI.—Central Provinces.																						
23	Buldana	1,122								8 hrs.	data	not	available.										
	Akola	930	29·064	−·001	29·983	29·145	20th	28·983	3rd	·162	66·1	87·3	−3·4	59·0	+1·5	73·2	−1·0	28·3	94·8	17th	46·9	2nd	47·9
	Amraoti	1,215	28·782	+·016	29·990	28·861	8th	28·706	14th	·155	67·4	86·1	−4·0	62·1	+0·4	74·1	−1·8	24·0	93·2	26th	52·3	1st	40·9
24	Khandwa	1,044	28·945	−·010	29·991	29·051	20th	28·869	3rd	·182	63·7	87·0	−1·8	57·9	+2·0	72·5	+0·1	29·1	92·7	11th & 25th.	44·6	2nd	48·1
	Hoshangabad	1,006	28·988	−·016	30·002	29·097	8th	28·912	14th	·185	62·1	82·0	−3·4	56·8	+0·9	69·5	−1·3	25·1	90·0	25th	44·8	1st	45·2
	Saugor	1,807	28·175	0	30·011	28·289	8th	28·084	6th	·205	60·5	77·9	−3·4	55·6	+0·2	66·8	−1·6	22·3	87·1	26th	49·5	2nd& 21st	37·6
	Jubbulpore	1,327	28·660	−·004	30·009	28·768	8th	28·554	13th	·244	60·0	78·2	−4·2	55·4	+3·0	66·8	−0·6	22·8	86·4	11th & 25th.	45·3	2nd	41·1
	Seoni	2,033	27·960	+·003	30·015	28·035	9th	27·861	13th	·174	62·1	80·1	−3·7	57·4	+2·0	68·8	−0·9	22·7	88·8	26th	49·5	1st	39·3
	Nagpur	1,017	28·983	+·010	29·993	29·065	8th	28·888	13th	·177	66·4	85·8	−3·5	60·3	+0·3	73·1	−1·6	25·5	93·6	26th	50·1	1st	43·5
25	Pendra	2,129	27·953		30·020	28·045	8th	27·837	13th	·208	59·8	76·1		55·0		65·6		21·1	85·8	26th	48·1	2nd	37·7
	Raipur	970	29·029	+·004	29·989	29·124	8th	28·911	13th	·213	65·6	81·5	−2·9	59·7	−0·8	72·1	−1·9	24·8	92·6	26th	53·4	2nd & 9th	39·2
	Chanda	*634*	29·361	−·003	29·963	29·441	9th	29·279	14th	·162	69·0	88·5	−3·3	61·3†	+2·1	75·0†	−0·6	27·2	95·5	26th	55·0	2nd	40·5

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

† Mean of 26 days.

B—*continued.*

tations, in India, etc., in February, 1907—continued.

Wind Direction. Number of winds from Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind Velocity. Mean velocity in miles per hour.	Normal.	Departure from normal.	Wind Steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs., in inches of mercury.	Departure from normal, in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st Dec., 1906, to 28th Feb., 1907.	Normal rainfall for period, 1st Dec. to 28th Feb.	Departure from normal of period, 1st Dec., 1906, to 28th Feb., 1907.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																IX.—Bombay.
4	1	12	5	1	1	1	1	2	N 53° E	N 30° E	7·0*	8·6	−1·6	49	+13	66	+23	·398	+·151	4·1	+2·1	5	0·27	+4·73	2·18	0·07	+2·11	2·25	0·28	+1·97	1·04	Deesa.
4	3	3	2	2	1	1	5	7	N 37° W	N 69° W	6·7	7·3	−0·6	32	− 3	82	+23	·507	+·123	3·3	+2·0	3	0·30	+2·70	1·17	0·09	+1·08	1·17	0·23	+0·94	0·67	Bhuj.
23			1		1	3			S 25° W		6·9			11		79		·478		0		0			0			0			0	Jamnagar.
1	7	5	2	1		3	3	6	N 14° W		10·1*			42		76		·579		3·0		3			1·81			1·97			1·03	Dwarka.
5	3	1	1	7	2	2	3	4	S 20° W	N 2° W		6·1	−0·4	7	−24	69	+10	·438	+·070	2·3	+1·3	2	0·30	+1·70	0·76	0·09	+0·67	0·76	0·17	+0·59	0·60	Rajkot.
	16	7	3	1	1				N 24° E	N 7° E	8·9	7·1	+1·8	60	−12	73	+14	·509	+·108	1·1	−0·1	0	0·10	−0·10	0·02	0·01	+0·01	0·02	0·10	−0·08	0·02	Veraval.
7	2		1	1		2	3	12	N 53° W	S 85° W	4·6	8·1	−3·5	49	−16	62	0	·403	+·008	2·2	+1·1	1	0·20	+0·80	0·33	0·07	+0·26	0·33	0·21	+0·12	0·30	Bhavnagar Para.
4	10	3	5	3	2		1		N 45° E	N 27° W	4·2	5·0	−0·8	39	− 4	77	+12	·519	+·082	1·6	+0·5	0	0·10	−0·10	0	0·08	−0·08	0·08	0·14	−0·06	0	Surat.
1	5	7	4	3		1	3	4	N 25° E	N 11° E	4·5	4·0	+0·5	39	−19	59	+ 9	·389	+·068	4·2	+2·8	1	0·30	+0·70	0·31	0·14	+0·17	0·31	0·24	+0·07	0·20	Ahmedabad.
	8	12	5	2				1	N 42° E	N 47° E	10·3	1·4	−0·1	74	+ 3	73	+ 2	·588	+·009	0·5	−0·7	1	0·10	+0·90	0·27	0·02	+0·25	0·27	0·18	+0·09	0·27	Bombay.
7	3	10	7	1					N 58° E	N 73° E	11·0	8·2	+2·8	60	+20	72	+ 7	·584	+·045	0·6	−0·1	0	0·10	−0·10	0	0·03	−0·03	0	0·23	−0·23	0	Ratnagiri.
1	2	3	12		2	1		1	N 70° E	N 67° E	8·2*	5·9	+2·3	63	−14	78	+ 4	·678	+·037	0·4	−0·2	0			0	0·06	−0·06	1·14	0·31	+0·83	0	Goa.
7	11	3	3	3				1	N 29° E	N 80° E	9·2*	9·3	−0·1	49	+ 1	87	+ 5	·737	+·051	1·4	+0·8	0			0	0·05	−0·05	0·23	0·05	+0·18	0	Mormugao.
4	11	11	2						N 27° E	N 55° E	3·3*	4·1	−0·8	78	− 5	88	+ 4	·655	+·042	1·1	+0·6	0	0	0	0	0·02	−0·02	1·40	0·18	+1·22	0	Karwar.
2	2					1	10	13	N 62° W	N 63° W	6·7	6·1	+0·6	78	+ 7	48	− 9	·300	−·053	0·2	−1·1	2	0·10	+1·90	0·45	0·03	+0·42	0·47	0·40	+0·07	0·29	Malegaon.
13	2			1				12	N 39° W	N 13° W	6·0	8·3	−2·3	46	+11	44	−15	·290	−·092	1·1	+0·2	0	0·30	−0·30	0·09	0·40	−0·31	2·25	0·91	+1·34	0·04	Ahmednagar.
10			1	3	1	2	8	2	S 68° W	N 76° W	7·7*	7·1	+0·6	29	+13	56	+ 4	·340	+·023	0·6	−0·2	0	0·10	−0·10	0·05	0·06	−0·01	0·09	0·29	−0·20	0·05	Poona.
1	4	3	4	8	1	2		5	N 76° E	N 72° E	9·5	7·5	+2·0	25‖	+ 9	43	+ 3	·351	+·041	0·5	−0·4	0	0·10	−0·10	0	0·03	−0·03	0·08	0·53	−0·45	0	Sholapur.
	6	4		6	3	3		6	N 11° E	N 79° W	5·0	4·8	+0·2	14	− 8	63	+ 7	·518	+·081?	3·6	?	0	0·20	−0·20	0	0·07	−0·07	1·19	0·10	+1·09	0	Bijapur.
27			1						E	N 68° E	4·3	9·7	−5·4	4	−20	53	+ 5	·377	+·031	0·1	−0·8	0	0·10	−0·10	0	0·03	−0·03	0·86	0·19	+0·67	0	Belgaum.
																																X.—Central India.
4	1	8	6	1	1	1	1	2	N 47° E	N 30° E	5·5	7·0	−1·5	46	+15	56	+ 8	·291	+·028	4·7	+3·4	1	0·50	+0·50	0·60	0·17	+0·43	0·63	0·66	−0·03	0·43	Neemuch.
9	2	6	3	3	2		1	2	N 63° E	N 29° W	3·7	2·8	+0·9	29	+17	53	+ 1	·323	+·029	0·2	−1·1	0	0·50	−0·50	0·08	0·13	−0·10	0·15	0·51	−0·36	0·05	Indore.
7	9	1	2	4		1	1	3	N 12° E	N 85° W	2·0	2·0	0	29	+10	80	+13?	·393	+·058	4·5	+2·0	4	1·00	+3·00	2·04	0·48	+1·56	2·33	1·74	+0·59	1·29	Nowgong.
12		2	3	3	2	1	3	2	S 31° E	N 30° W	1·5	4·8	−3·3	7	−28	81	+22	·413	?	5·6	+3·9	8	1·50	+6·50	5·67	0·65	+5·02	5·81	2·00	+3·81	1·34	Sutna.
																																Central Provinces.
																8 hrs.	data	not ava	ilable.												Buldana
10		4	3	3		3	4	2	N 23° W	S 38° E	4·0	4·3	−0·3	3	− 5	66	+21	·430	+·141	2·4	+0·9	3	0·30	+2·70	2·31	0·17	+2·14	3·22	1·25	+1·97	1·66	Akola.
15	1	4	4	1	1	1	1		N 76° E	S 83° E	2·9	4·8	−1·9	21	−11	65	+16	·448	+·099	2·5	+1·2	6	0·60	+5·40	5·26	0·21	+5·05	5·69	1·13	+4·56	1·40	Amraoti.
17		2	4			1	1	3	N 31° E	N 18° W	4·5	4·1	+0·4	14	−10	54	+ 8	·331	+·062	1·7	+0·5	2	0·30	+1·70	0·34	0·05	+0·29	0·41	0·74	−0·33	0·24	Khandwa.
20	3	3	1			1			N 29° E	N 60° E	4·5	2·9	+1·6	18	−22	67	+ 9	·381	+·061	3·3	+1·9	4	0·50	+3·50	1·87	0·27	+1·60	2·23	1·06	+1·17	0·70	Hoshangabad
1	1	4	5	13	1	1	1	1	S 66° E	S 72° E	6·6	3·7	+2·9	56	+25	58	+ 6	·305	+·025	3·2	+1·8	4	0·80	+3·20	1·85	0·41	+1·44	2·24	1·75	+0·49	0·67	Saugor.
9	2	3		7	5	1		1	S 44° E	S 63° E	2·3	2·4	−0·1	29	+ 9	78	+12	·409	+·062	3·5	+1·4	7	1·10	+5·90	5·16	0·56	+4·60	5·42	1·61	+3·81	1·26	Jubbulpore.
9	2	7	2	1	1	3	1	2	N 35° E	N 31° E	5·4	2·9	+2·5	21	−15	71	+ 9	·398	+·031?	3·0	+0·8	8	1·50	+6·50	4·41	0·88	+3·53	5·45	1·93	+3·52	0·83	Seoni.
4	12	4	3	2			3		N 28° E	N 18° E	5·5	4·4	−0·9	49	+13	68	+16	·452	+·092	2·9	1·1	7	0·90	+6·10	2·86	0·38	+2·48	3·45	1·29	+2·16	0·72	Nagpur.
19		1		1	1	2		4	N 81° W		2·7			10		76		·409		3·6		7			3·70			5·54			1·27	Pendra.
13	3	3	3	1	3			2	N 57° E	N 4° W	3·1	4·0	−0·9	18	+ 6	72	+19	·462	+·107	0·3	−1·8	1	0·70	+0·30	0·55	0·35	+0·21	0·70	0·80	−0·10	0·55	Raipur.
10	3	1	4	3	3	1	1	2	S 79° E	N 76° E	2·7	2·7	0	14	− 6	65	+ 5	·461	+0·42	1·8	+0·5	1	0·60	+0·40	1·79	0·49	+1·30	2·51	1·13	+1·38	1·70	Chanda.

* Uncorrected readings.

Table

(2) *Abstract of observations taken at 8 hrs. at 235*

Number of sub division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	XII.—Hyderabad.																						
28	Aurangabad .	1,905	28·110*		30·009*	28·168	22nd	28·056	3rd	·112	69·4†	88·8†		58·6†		73·7†		30·2	93·7	24th & 25th.	48·2	2nd	45·5
	Nizamabad .	1,260	28·740		29·977	28·791	9th	28·651	15th	·140	73·0	91·7		63·6		77·7		28·1	97·9	5th	58·7	3rd	39·2
	Bidar . . .	*2,165*	27·854		29·982	27·909	17th	27·786	2nd	·123	73·2	88·7		66·8		77·7		21·9	95·5	25th	61·5	1st, 2nd & 4th.	34·0
29	Gulbarga . .	1,503	28·487	+·007	29·965	28·554	9th	28·417	15th	·137	73·4	92·4	−0·2	64·5	+0·2	78·5	0	27·9	100·0	25th	58·3	2nd & 14th.	41·7
	Raichur . .	*1,311*	28·670	+·013	29·949	28·733	9th	28·600	14th	·133	75·0	92·3	−0·5	68·8	+0·6	80·6	+0·1	23·5	98·1	24th, 25th & 27th.	64·6	1st & 14th.	33·5
	Hyderabad (Dn.) .	1,690	28·298	+·011	29·978	28·361	9th	28·215	15th	·146	68·7	89·9	−1·4	65·2	+1·8	77·6	+0·2	24·7	96·3	24th, 25th & 26th.	60·2	1st	36·1
	Hanumkonda .	871	29·116		29·955	29·195	9th	29·032	15th	·163	72·6	90·1		68·5		79·3		21·6	95·5	24th, 25th & 26th.	63·2	5th	32·3
	XIII.—Mysore.																						
30	Chitaldroog .	2,405	27·587	−·003	29·941	27·645	7th	27·530	14th	·115	74·0	89·9	+0·6	66·1	+0·2	78·0	+0·4	23·8	94·6	26th	60·9	4th & 5th.	33·7
	Hassan . .	3,091	26·953	+·012	29·998	26·998	9th	26·893	15th	·105	67·3	87·6	+1·3	57·5	+0·1	72·6	+0·7	30·1	91·8	26th	53·1	3rd	38·7
	Bangalore . .	3,021	27·006	−·010	29·982	27·053	9th	26·911	15th	·112	67·4	87·0	+1·2	60·4	+0·8	73·7	+1·0	26·6	92·3	25th	53·9	12th	38·4
	Mysore . .	2,518	27·501	+·009	29·980	27·548	22nd	27·435	15th	·113	70·9	88·9	+0·1	64·4	+1·5	76·7	+0·8	24·5	93·5	25th	59·4	5th	34·1
	XIV.—Madras.																						
31	Mangalore . .	65	29·939	+·002	29·936	29·989	9th	29·890	15th	·099	78·7	86·2	−1·9	73·3	+1·0	79·8	−0·5	12·9	89·2	27th	67·5	2nd	21·7
	Calicut . .	27	29·972	+·003	29·929	30·017	7th	29·911	15th	·106	77·6	89·0	+0·2	73·5	+0·9	81·3	+0·6	15·5	91·8	26th	70·2	1st, 2nd & 5th.	21·6
	Cochin . .	9	29·977	−·005	29·914	30·022	7th	29·924	15th	·098	78·5	90·5	+0·6	75·0	+1·3	82·8	+1·0	15·5	92·8	21st	71·2	12th	21·6
	Trivandrum . .	198	29·780	+·016	29·912	29·827	22nd	29·731	14th	·096	76·3	84·7	−0·3	73·6	+0·6	79·2	+0·2	11·1	86·5	25th	71·0	12th	15·5
32	Tinnevelly . .	168	29·855	+·021	29·955	29·910	9th	29·786	14th	·124	77·6	92·3	+0·3	72·3	−0·4	82·3	−0·1	20·0	97·3	25th	67·9	13th	29·4
	Pamban . .	37	29·973	+·011	29·937	30·017	9th	29·921	14th	·096	79·1	84·9	0	74·4	−0·5	79·7	−0·3	10·5	87·3	25th	69·7	1st & 16th.	17·6
	Madura . .	447	29·579	+·015	29·969	29·621	9th	29·507	14th	·117	76·2	91·3	−0·7	69·9	+0·4	80·6	−0·2	21·4	95·4	24th	64·7	13th	30·7
	Periyakulam .	944	29·055		29·958	29·102	7th	28·988	14th	·114	73·0	91·8		65·9		78·6		25·9	95·9	25th	58·6	13th	37·3
	Pudukkottai . .	318	29·706		29·962	29·757	9th	29·629	14th	·128	74·8	91·3		68·5		79·9		22·8	95·8	24th	64·0	13th	31·8
	Negapatam . .	31	29·974	−·007	29·934	30·024	9th	29·916	15th	·108	77·6	85·6	+1·2	72·1	0	78·9	+0·6	13·5	88·4	23rd	66·0	1st	22·4
	Trichinopoly .	255	29·771	+·002	29·963	29·825	9th	29·686	14th	·139	76·3	91·5	−0·8	68·9	+0·5	80·2	−0·2	22·6	97·1	25th	62·9	12th	34·2
	Coimbatore .	1,348	28·659	−·004	29·980	28·713	9th	28·590	15th	·123	71·7	91·5	−0·5	66·8	+1·3	79·2	+0·4	24·7	96·9	25th & 28th.	58·2	13th	38·7
	Salem . .	940	29·092	−·010	29·989	29·142	9th	29·018	14th	·124	75·7	94·3	+0·7	67·1	+1·6	80·7	+1·2	27·2	98·7	23rd	52·3	1st	46·4
	Cuddalore . .	37	29·974	−·002	29·942	30·025	9th	29·900	14th	·125	74·5	85·5	+0·1	69·3	+0·4	77·4	+0·2	16·2	89·1	24th & 25th.	64·2	1st	24·9
	Vellore . .	707	29·307		29·979	29·365	9th	29·227	15th	·138	70·3	88·6‡		65·2‡		76·9‡		23·4	94·4	25th	57·8	12th	36·6
	Madras . .	22	30·000	−·005	29·953	30·065	9th	29·922	14th	·143	75·7	86·1	−0·8	68·3	+0·3	77·2	−0·3	17·8	91·5	25th	62·0	1st	29·5
33	Cuddapah . .	433	29·565	+·002	29·944	29·623	10th	29·474	15th	·149	76·3	94·8	−0·3	68·9	−0·2	81·8	−0·3	25·9	101·2	25th	61·4	12th	39·8
	Bellary . .	1,475	28·503	−·012	29·950	28·557	9th	28·433	15th	·124	72·9	95·0	+0·8	67·3	+1·9	81·2	+1·4	27·7	101·0	26th	62·2	12th	38·8
	Kurnool . .	923	29·050	−·014	29·940	29·122	9th	28·971	14th	·151	72·4	93·0	−1·5	66·1	+1·3	79·6	−0·1	26·9	99·2	25th	62·0	13th	37·2
34	Nellore . .	61	29·960	+·017	29·955	30·028	9th	29·858	14th	·170	74·5	88·9	−1·7	68·9	−0·2	78·9	−1·0	20·0	94·3	25th & 27th.	65·1	12th & 13th.	29·2
	Masulipatam .	15	30·025	+·016	29·975	30·111	9th	29·941	15th	·170	76·5	85·8	−1·1	70·1	+1·8	78·0	+0·4	15·7	90·6	27th	64·2	13th	26·4
	Cocanada . .	26	30·009	+·012	29·971	29·069	9th	29·931	14th	·138	75·4	85·4	−0·4	71·0	+1·4	78·2	+0·5	14·4	92·6	27th	65·0	13th	27·6
	Waltair (Vizagapatam).	*226*	29·801	+·003	29·972	29·880	9th	29·694	14th	·186	76·3	8·27		71·7		77·2		11·0	85·4	27th	67·9	6th & 13th.	17·5
	Calingapatam .	19	30·014		29·973	30·089	9th	29·908	14th	·181													
	Gopalpur . .	72	29·961	+·028	29·976	30·056	9th	29·848	14th	·210	73·6	88·2	−0·3	69·7	+1·8	76·5	+0·8	13·5	86·7	27th & 28th.	63·5	11th	23·2

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

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

* Mean of 17 days.
† „ 26 „
‡ „ 27 „

B—*continued.*

stations, in India, etc., in February, 1907—continued.

Wind Direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W	Resultant direction	Normal direction.	Wind Velocity. Mean velocity in miles per hour.	Normal.	Departure from normal.	Wind Steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st Dec. 1906 to 28th Feb., 1907.	Normal rainfall for period 1st Dec. to 28th Feb.	Departure from normal of period, 1st Dec. 1906 to 28th Feb. 1907.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																XII—Hyderabad.
8	1	3	5	4	1		3	1	E		7·8†			22		44†		·319†		1·0†		1	0·20	+0·80	0·27	0·11	+0·16	1·10	0·84	+0·26	0·27	Aurangabad.
16		3		3		2	1	3	N 23° W		2·9§			3		63		·513		0·2		1	0·40	+0·60	0·48	0·13	+0·35	1·73	0·51	+1·22	0·40	Nizamabad.
	5	5	2	4	3	5	2	2	N 62° E		5·9			4		57		·478		2·2		0	0·40	−0·40	0	0·18	−0·18	3·64	0·72	+2·92	0	Bidar.
3	4	8	2	3	3	3		2	N 58° E	N 89° E	6·4	7·7	−1·3	29	+ 3	55	+ 6	·448	+·055	0·2	−0·7	0	0·40	−0·40	0	0·29	−0·29	2·80	0·36	+2·44	0	Gulbarga.
2	1	5		16	4				S 54° E	S 23° E	9·1	7·0	+2·1	63	+32	57	+ 5	·501	+·063	0·3	−0·7	0	0·20	−0·20	0	0·24	−0·24	0·67	0·24	+0·43	0	Raichur.
27			1						E	S 68° E	2·3	4·1	−1·8	4	− 5	73	+ 6	·511	+·016	2·6	+1·2	0			0	0·15	−0·15	1·84	0·38	+1·46	0	Hyderabad (Dn.)
5		1		19	3				S 42° E		6·8			74		73		·587		3·5		1	0·60	+0·40	0·35			2·68			0·35	Hanumkonda
																																XIII—Mysore.
1	1	3	4	4	4	2	3	6	S 18° E	S 6° E	4·8	6·3	−1·5	3	−13	55	+ 4	·463	+·039	0·4	−1·1	0	0·10	−0·10	0	0·07	−0·07	2·06	0·17	+1·89	0	Chitaldroog.
14		2	3	5	3	1			S 49° E	S 72° E	1·1	2·8	−1·7	32	−19	80	+13	·532	+·053	3·2	+0·8	0	0·10	−0·10	0	0·06	−0·06	4·17	0·24	+3·93	0	Hassan.
			13	5	4	5	1		S 47° E	S 62° E	7·2	5·0	+2·2	56	+ 1	78	+ 8	·529	+·051	0·6	−1·1	0	0·20	−0·20	0	0·09	−0·09	2·10	0·71	+1·39	0	Bangalore.
3		1	6	7	3	4	4		S 26° E	S 89° E	6·7	7·9	−1·2	39	+17	71	+ 3	·532	+·024	2·3	+0·1	0	0·30	−0·30	0	0·22	−0·22	2·28	0·39	+1·89	0	Mysore.
																																XIV—Madras.
8	3	9	8						N 57° E	N 76° E	5·3§	2·9	+2·4	56	−11	79	+ 2	·779	+·074	1·2	−0·5	0	0·10	−0·10	0	0·03	−0·03	1·09	0·53	+0·56	0	Mangalore.
	3	11	14						N 64° E	N 69° E	9·7	9·8	−0·1	85	+18	80	+ 2	·758	+·023	1·8	−0·2	0	0·40	−0·40	0	0·15	−0·15	0·52	1·31	−0·79	0	Calicut.
		9	17	2					N 78° E	N 41° E	7·3§	5·5	+1·8	88	+17	76	+ 1	·752	+·011	1·3	−0·3	0	1·70	−1·70	0	0·87	−0·87	6·66	3·07	+3·59	0	Cochin.
25		1	1					1	N 38° E	N 55° E	2·5§	4·7	−2·2	4	−43	76	− 2	·698	−·025	1·1	−1·5	0	1·10	−1·10	0	0·64	−0·64	7·19	3·51	+3·68	0	Trivandrum.
4	13	9						2	N 14° E	N 17° W	3·4	4·9	−1·5	78	+ 2	83	+ 6	·788	+·076	2·8	+0·5	1	1·80	−0·80	0·14	1·48	−1·34	7·38	6·25	+1·13	0·14	Tinnevelly.
7	4	14	2	1					N 44° E	N 56° E	8·0	9·0	−1·0	63	−12	80		·788		2·8		1	0·50	+0·50	0·34	0·73	−0·39	8·23	12·37	−4·14	0·34	Pamban.
9	5	6	4	2				2	N 42° E	N 14° E	1·0	4·5	−3·5	42	−21	78	+ 3	·706	+·019	4·3	+2·3	0	0·90	−0·90	0	0·51	−0·51	1·92	2·62	−0·70	0	Madura.
20	1		3	1	1	1		1	S 63° E		2·3			7		70		·571		2·0		0	1·40	−1·40	0	0·97	−0·97	3·56	3·16	+0·40	0	Periyakulam.
3	2	7	11	2		1	1	1	N 68° E		7·4			56		81		·709		4·3		0			0·08			3·72			0·08	Pudukkottai.
2		7	4	1		1	2	11	N 4° W	N 18° E	11·9	6·4	+5·5	39	− 1	76	− 4	·732	−·022	4·4	0	0	0·80	−0·80	0·05	0·58	−0·53	15·42	14·74	+0·68	0·05	Negapatam.
21	4	1	1	1					N 31° E	N 27° E	1·1§	2·9	−2·8	18	−18	80	+ 2	·723	+·038	3·1	+0·4	0	0·50	−0·50	0	0·79	−0·79	3·65	3·82	−0·17	0	Trichinopoly.
2	4	10	9	2			1		N 60° E	N 63° E	3·6	2·9	+0·7	67	+ 4	83	0?	·649	−·013	3·3	+0·8	0	0·80	−0·80	0	·046	−0·46	5·38	1·75	+3·63	0	Coimbatore.
1		6	16	1			2	2	N 74° E	N 53° E	5·8	5·3	+0·5	63	+ 8	80	+ 6	·726	+·092	1·9	+0·3	0	0·50	−0·50	0	0·33	−0·33	2·01	1·82	+0·19	0	Salem.
5	1				1	9	12		N 64° W	N 60° W	5·6	2·2	+3·4	70	+19	85	− 4	·720	−·060?	2·6	−0·2	0	0·70	−0·70	0·06	0·71	−0·65	18·46	9·70	+8·76	0·05	Cuddalore.
24	1			1		1	1		N 45° W		3·0			4		86		·644		1·3		0	0·50	−0·50	0	0·13	−0·13	5·07	3·50	+1·57	0	Vellore.
3	1		2		10	6	2	3	S 28° W	S 34° W	5·0§	5·0	0	42	+26	85	+ 3	·754	+·012	1·6	−1·1	0	0·60	−0·60	0	0·23	−0·23	16·54	6·77	+9·77	0	Madras.
		2	12	12	1		1		S 69° E	S 72° E				78	+15	67	+ 1	·607	−·007	0·9	0	0	0·20	−0·20	0	0·07	−0·07	2·78	1·37	+1·41	0	Cuddapah.
		1	12	7	1	4	3		S 10° E	S 11° E	4·0	4·0	0	49	+29	55	− 1	·440	−·028	0·4	−1·1	0	0·10	−0·10	0	0·02	−0·02	1·23	0·22	+1·01	0	Bellary.
15		5	6	2					S 56° E	S 58° E	4·6§			39	+31	79	?	·635	?	0·6	−0·2	0	0·10	−0·10	0	0·02	−0·02	5·85	0·21	+5·64	0	Kurnool.
4		3	5	10	2		4		S 11° E	S 14° E	4·9§	4·6	+0·3	42	+26	84	− 1	·711	−·031	2·7	+0·2	0	0·30	−0·30	0	0·10	−0·10	14·61	2·29	+12·32	0	Nellore.
21	1	2	1	3					N 87° E	N 41° E	5·2	4·7	+0·5	16	− 8	92	+ 6	·837	+·089	2·9	+0·3	2	0·30	+1·70	0·43	0·22	+0·21	7·65	1·07	+6·58	0·23	Masulipatam
15	2	1	2				2	6	N 27° W	N 17° W	5·1	7·2	−1·8	32	−35	82	+ 8	·724	+·086	4·3	+2·1	0	0·50	−0·50	0·07	0·37	−0·30	8·55	1·28	+7·27	0·07	Cocanada.
3		5				4	16		N 87° W	N 86° W	7·4			53	−10	74	+ 3	·866	+·018	3·7	+1·7	1	0·50	+0·50	0·70	0·17	+0·53	1·89	2·13	−0·24	0·68	Waltair (Vizag.).
	4	2				4	10	5	N 79° W		6·5			53								0			0			0·49			0	Calingapatam
8		2				4	1	13	N 56° W	N 37° W	12·1	10·9	+1·2	49	−13	81	+ 3	·673	+·056	0·9	−1·5	0	0·90	−0·90	0·06	0·48	−0·42	1·98	1·35	+0·63	0·06	Gopalpur.

§ Uncorrected mean velocity

Table

(2) *Abstract of observations taken at 8 hrs., at 235*

Number of sub-division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.											
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	Stations in the Bay.																						
1	P. V. Fraser	*8*	30·038†‡		29·975‡‡	30·116	9th	29·917	14th	·199	74·8												
	Car Nicobar*	25	29·926		29·878	29·964	7th & 10th.	29·856	27th	·108	82·4	87·3		76·7		82·0		10·6	88·6	23rd & 25th.	70·2	14th	18·4
	Port Blair	61	29·925	−·002	29·917	29·983	7th	29·876	13th	·107	76·3	86·9	−1·2	74·5	−0·4	80·7	−0·8	12·4	89·2	7th & 23rd.	68·5	12th	20·7
	Slipper Island	90	29·900		29·925	29·957	7th	29·823	13th	·134	78·4	84·2		75·3		79·8		8·9	87·1	23rd	72·6	11th	14·5
	Kashmir.																						
15	Srinagar	*5,204*	24·909	−·045	24·880	25·069	27th	24·734	12th	·325	33·9	43·7	+1·4	32·1	+4·8	37·9	+3·1	11·6	57·0	27th	28·6	1st & 2nd.	28·4
	Sonemarg	*8,764*	21·752		21·720	21·921	27th	21·593	7th	·328	17·9	32·3		11·5		21·9		20·8	43·4	25th	−2·4	15th	45·8
	Dras	*10,059*	20·709		20·677	21·010	27th	20·514	7th & 12th.	·496	3·2	24·0		−5·1		9·5		29·1	33·4	13th	−19·9	13th & 27th.	53·3
	Leh	11,503	19·579	−·032	19·547	19·849	27th	19·372	1st	·477	13·3	29·2	−2·2	9·1	−0·7	19·2	−1·5	20·1	35·0	13th, 19th & 25th.	−2·1	3rd	37·1
8	Skardu	*7,505*	22·866		22·836	23·150	27th	22·668	12th	·482	28·9	39·6		26·4		33·0		13·2	51·0	2nd	18·1	14th	32·9
	Minimarg	*9,359*	21·274		21·242	21·494	27th	21·114	12th	·380	17·5	35·9		2·5		19·2		33·4	52·3	26th	−10·0	15th	62·3
	Astor	*7,955*	22·487		22·457	22·791	27th	22·302	12th	·489	23·9	37·1		19·7		28·4		17·4	44·9	25th	10·0	15th	34·9
	Gilgit	4,890	25·165		25·138	25·441	27th	24·965	11th	·476	41·0	51·3	0	38·2	+1·6	44·8	+0·8	13·1	61·2	26th, 27th & 28th.	31·7	2nd	29·5
	Baluchistan.																						
16	Quetta	5,502	24·605	−·055	24·565	24·777	26th	24·499	16th	·278	35·9	48·5	−4·6	31·8	+0·1	40·2	−2·3	16·7	70·1	28th	15·8	7th	54·3
	Chaman	4,311	25·707	−·016	25·669	25·863	25th	25·552	2nd	·311	40·1	50·3	−8·7	24·9	−1·8	42·6	−4·3	15·4	63·8	23rd & 28th.	12·3	6th	51·5
	Robat	...	26·913			27·083	17th	26·814	2nd	·269	45·1	54·2		40·5		47·4		13·7	75·4	28th	36·0	1st & 7th.	45·4
	Hill Stations exluding Kashmir and Baluchistan.																						
	Chitral	*5,486*									34·9	46·6		32·6		39·6		14·0	61·1	26th	27·5	1st & 2nd.	33·6
	Para Chinar	6,000	24·129		24·396	24·512	26th	24·249	18th	·263	53·8	46·4		28·6		37·5		17·8	62·6	28th	13·2	6th	49·4
	Cherat	*4,956*	25·692	−·037	25·660	25·850	8th	25·552	18th	·298	40·2	46·3	−5·8	37·3	−2·8	41·8	−4·3	9·0	58·6	26th, 27th & 28th.	31·0	7th	27·6
	Murree	6,333	23·806	−·022	23·774	23·917	8th	23·659	18th	·258	36·2	41·5	−6·5	28·5	−6·0	35·0	−6·3	13·0	58·0	28th	22·5	14th	35·5
	Kailang	*10087*	20·983		20·938	21·050	8th & 9th.	20·944	2nd	·106	18·1	31·4	−2·0	13·1*	−0·7	22·3*	−1·4	18·3	42·0	25th	2·1	8th	39·9
	Simla	7,224	23·046	−·032	23·008	23·163	28th	22·935	14th	·228	36·9	42·9	−3·0	32·8	−2·8	37·9	−2·9	10·1	53·0	28th	27·1	7th	25·9
	Sarsia	...	23·113			23·247	10th	23·015	13th & 14th.	·232	30·7	42·4		28·0		35·3		14·4	56·4	28th	21·8	8th & 9th.	34·6
	Kalabagh	...									Register not received.												
	Chakrata	7,022	23·249	−·019	23·209	23·373	10th	23·151	14th	·222	36·4	45·1	−6·1	32·5	−3·6	38·8	−4·9	12·6	59·8	28th	26·7	8th	33·1
	Muktesar	7,556	22·835		22·794	22·935	10th	22·732	13th	·203	38·0	45·1		32·7		38·9		12·4	58·5	28th	26·9	8th & 15th.	31·6
	Darjeeling	7,376	22·998	+·013	22·953	23·072	19th	22·886	14th	·186	39·8	47·8	−0·1	35·9	+0·3	41·9	+0·1	11·9	52·7	12th	32·0	2nd	20·7
	Shillong	4,920	25·162		25·114	25·220	16th	25·056	14th	·164	49·0	61·8		41·8		51·8		20·0	67·9	21st	34·2	4th	33·7
	Cherra Poonjee	4,309	25·733		25·684	25·777	5th & 20th.	25·641	14th	·136	53·2	60·3		48·2		54·3		12·1	67·7	21st	42·3	9th	25·4
	Maymyo	3,545	26·495		26·440	26·547	4th	26·419	13th	·128	52·6	74·8		44·0		59·4		30·8	80·4	22nd	34·6	10th & 11th.	45·8
	Pachmarhi	3,528	26·505	−·016	26·452	26·586	8th	26·432	13th	·154	59·1	72·4	−3·1	50·6	−0·9	61·5	−2·0	21·8	78·7	26th	39·3	2nd	39·4
	Mount Abu	3,945	26·083	−·027	26·033	26·174	27th	25·962	6th	·212	56·6	63·8	−5·0	52·3	−1·3	58·1	−3·2	11·5	75·2	28th	45·4	1st, 8th & 20th.	29·8
	Mercara	3,781	26·290	+·005	26·223	26·332	26th	26·245	15th	·087	65·1	82·2	+1·0	59·1	+0·3	70·7	+0·7	23·1	86·0	17th	54·1	1st	31·9
	Ootacamund	*7,329*	23·094		23·030	23·157	26th	23·017	14th	·140	55·6	67·6		43·7		55·7		23·9	70·5	20th	38·7	13th	31·8
	Kodaikanal	7,688	22·864		22·799	22·918	27th	22·819	2nd	·099	54·9	67·4		47·6		55·3		19·8	72·0	14th	44·9	10th	27·1

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

* Mean of 27 days.

†† Mean of 21 days.

† Mean of 25 days.

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

B—*continued.*

stations, in India, etc., in February, 1907—continued.

Wind Direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind Velocity. Mean velocity in miles per hour.	Normal.	Departure from normal.	Wind Steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st Dec. 1906 to 28th Feb., 1907.	Normal rainfall for period, 1st Dec. to 28th Feb.	Departure from normal of period, 1st Dec. 1906 to 28th Feb. 1907.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																Stations in the Bay.
3	8	6	1		1	6	2	1	N 14° W		7·5			29		83°		·728°		2·4		1			0·29			0·21¶			0·20	P. V. Fraser.
	8	10	5	1	1			2	N 36° E		4·5†			67		73		·810		9·8		1			1·00			15·43			1·00	Car Nicobar.
	4	4				1	11	8	N 51° W	N 8° E	3·7	5·0	—1·3	67	+16	85	+ 1	·773	—·041	3·0	—0·4	0			0	0·40	—0·40	7·48	8·04	— 0·56	0	Port Blair.
3	20	1	1					3	N 1° W		1·1			82		87		·836		6·5		0			0			3·59			0	Slipper Island.
																																Kashmir.
6	2		2	9	2	1		6	S 50° E	S 24° E	3·6	3·5	+0·1	14	— 9	86	— 3	·169	+·011	8·5	+0·9	11	6·40	+4·60	6·73	2·80	+3·93	9·33	7·20	+ 2·13	1·78	Srinagar.
19	3	1	3	1			1		N 48° E		1·9			14		100		·102		7·4		10			19·27			33·52			5·04	Soneamarg.
26					2				S 45° W		0·3			4		81		·049		6·3		10	8·20	+1·80	3·42	2·57	+0·85	8·55	8·74	— 0·19	0·90	Dras.
22			2		2	1	1		S 7° E	S 27° W	1·6	1·3	+0·3	10	—26	70	+23	·058	+·022	8·0	+2·0	2	1·00	+1·00	0·50	0·35	+0·15	2·23	0·85	+ 1·38	0·20	Leh.
24		1			1	2			S 24° W		2·2			7		96		·155		8·8		3	2·60	+0·40	0·96	1·15	—0·19	1·98	3·57	— 1·59	0·34	Skardu.
19		1	4	1			1		E		2·4			15		66		·069		7·4		11			5·15			12·72			0·97	Minimarg.
12		2			10	1	2		S 8° W		2·2			32		68		·091		7·2		6			1·82			3·41			0·47	Astor.
17					8	2	1		S 60° W		2·6			32		60	+ 4	·148	+·012	8·6	+2·1	0	0·90	—0·90	0·03	0·16	—0·13	0·10	0·46	— 0·36	0·03	Gilgit.
																																Baluchistan.
17	1			2	4	1	1	2	S 26° W	S 4° W	3·7	3·5	+0·2	18	+ 6	83	+ 9	·178	+·012	6·4	+2·6	6	6·40	—0·40	2·28	3·21	+0·07	2·71	5·05	— 2·34	0·53	Quetta.
10	6	4	1		1	2		4	N 3° W	S 46° E	6·7	8·4	—1·7	32	—29	78°	+14	·201°	+·019	5·4	+1·3	7	4·30	+2·70	3·51	1·75	+1·76	4·11	3·97	+ 0·14	1·37	Chaman.
10	1	3	1	1	2	8	2		S 39° W		3·1			25		70		·217		5·4		4			1·20						0·52	Robat.
																																Hill Stations excluding Kashmir and Baluchistan.
24	1		1						N 45° E		0·6			4		77		·157		3·4		3			0·44			3·18			0·17	Chitral.‖
24	1	1					1	1	N 27° W		3·2			7		83		·161		5·2		11	4·80	+6·20	5·03	1·93	+3·10	9·56	3·35	+ 6·20	1·20	Para Chinar.
3	11			4		1		9	N 17° W	N 16° W	9·8	13·6	—3·8	53	— 3	74	+14	·176	+·010	4·6	+0·2	8			7·10	3·31	+3·79	13·85	6·38	+ 7·47	2·00	Cherat.
9	2		2	7	8				S 33° E	S 68° E	5·8	8·9	—3·1	46	+ 6	74	+10	·152	+·008	5·6	+0·8	14	2·70	+11·30	12·79	3·84	+8·95	20·60	8·65	+11·95	2·00	Murree.
	1	2	3	7	4	5	3	3	S 7° E		0·2	1·0	—0·8	29		82		·085		6·9		10			4·78	3·02	+1·76	12·06	7·02	+ 5·04	2·20	Kailang.
4	7			5	12				S 22° E	S 53° E	6·5	5·0	+1·5	36	+11	67	+11	·141	+·010	5·8	+1·3	12	4·00	+8·00	7·47	3·00	+4·47	11·44	6·94	+ 4·50	2·03	Simla.
15			1		7	3	2		S 18° W		1·8			32		85		·162		6·8		12			12·62§			17·45			2·26§	Sarain.
																	Regist	er not	receive	d.												Kalabagh.
7	15	2	1		1			2	N 3° E	N 66° E	6·1	6·3	—0·2	60	+29	79	+15	·173	+·029	4·4	+0·8	9	5·60	+3·40	8·84	4·20	+4·64	12·49	9·09	+ 3·40	2·37	Chakrata.
8		3	6	4		2	2	3	E		3·0			18		79		·180		6·7		9			3·59			4·92			1·38	Muktesar.
10	1	2	3	3	1	5	3		S	S 53° E	6·2	5·5	+0·7	15	— 5	87	+ 3	·219	+·008	6·1	+1·3	5	2·52	+2·48	2·07	1·01	+1·06	2·30	1·95	+ 0·35	0·98	Darjeeling.
21				2	5				S 33° W		4·0			25		69		·240		3·1		2	1·30	+0·10	0·41	0·79	—0·38	1·21	1·60	— 0·39	0·16	Shillong.
7		4	1			8	6	1	S 76° W		7·5			32		73		·303		3·4		3	3·10	—0·10	5·76	2·08	+3·68	7·33	3·12	+ 4·21	3·62	Cherra Poonjee.
28					1	1			S 66° W		(a) 2·2			7		88		·356		0·4		0	0·20	—0·20	0	0·30	—0·30	0·13	0·81	— 0·68	0	Maymyo.
8	1	2		2	1	9	2	3	S 61° W	S 23° W	6·6	4·4	+2·2	82	+16	71‡	+20	·3581	+·063	2·3	+0·1	7	1·00	+6·00	3·53	0·47	+3·06	4·05	1·59	+ 2·46	0·94	Pachmarhi.
8	4	2		1		6	5	4	N 71° W	N 45° W	7·1	8·1	+1·0	36	+ 8	60	+18	·273	+·067	0·4	—1·6	5	0·50	+4·50	1·98	0·29	+1·69	2·39	0·83	+ 1·46	0·62	Mount Abu.
16	1	4	4	2	1				N 30° E	N 60° E	1·0	4·3	—3·3	29	—13	81	+11	·509	+·061	2·6	—0·4	0	0·30	—0·30	0	0·14	—0·14	1·34	0·67	+ 1·27	0	Mercara.
4		5	12	4	2	1			S 34° E		4·7			63		44		·203		1·0		0	1·20	—1·20	0	0·38	—0·38	3·93	2·38	+ 1·55	0	Ootacamund.
	6	11	7	2	1		1		N 54° E		12·0			63		55		·233		1·3		0	2·30	—2·30	0	1·48	—1·48	7·16	8·22	— 1·06	0	Kodaikanal.

hill or plateau stations, the elevations of which exceed 3,500 feet. ‡ Mean of 26 days. § Snow water. ‖ Wind direction for 26 days.

(a) Uncorrected reading. ¶ Since 1st February 1907.

Table

(2) *Abstract of observations taken at 8 hrs., at 235 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
	XIII.—Extra India.																						
37	Singapore (*a*)	10	29·964		29·895	30·041	7th	29·877	22nd	·164	82·1	88·9		72·5		80·7		16·4	92·2	14th	68·5	8th	23·7
	Penang (*a*)	20	29·920		29·865	29·940	21st	29·907	5th, 11th & 19th.	·033	80·0	90·6		71·9		81·3		18·7	95·0	22nd	66·0	9th	29·0
	Trincomalee	12	29·974	0	29·912	30·014	9th	29·908	14th	·106	77·4	85·4	+0·4	74·1	−1·0	79·8	−0·3	11·3	87·0	18th & 23rd.	70·0	15th	17·0
	Colombo	40	29·938	−·010	29·904	29·988	27th	29·891	14th	·097	77·4	87·7	−0·6	72·9	0	80·3	−0·3	14·8	92·5	10th	70·0	14th & 15th.	22·5
	Minicoy	7	29·987		29·920	30·036	9th	29·931	2nd	·105	81·4	85·9	−0·5						87·7	28th			
	Aminí Divi	*13*	29·988		29·929	30·030	9th	29·935	15th	·095	81·7	87·5		76·5		82·1		11·0	93·7	28th	71·3	2nd	22·4
	Pharijong	14,400										Register not received.											
	Gyantse	13,120	18·412			18·558	28th	18·336	7th	·222	13·9	39·5		8·8		24·1		30·7	45·3	27th	5·5	28th	39·8
	Gartok											Observatory not opened.											
	Gangtok	5,660?	24·501		24·456	24·588	28th	24·382	14th	·206	45·8	58·4		39·6		49·0		18·8	68·8	16th	36·0	2nd	32·8
	Kashgar	4,255	25·652(*c*)			25·870	27th	25·490	7th	·380	20·3	37·4	−7·5	15·4	−6·9	26·4	−7·2	22·0	61·2	27th	2·3	3rd	58·9
	Kabul		24·270		24·239	24·418	26th	24·106	18th	·312	29·2	47·6	−0·8	24·0	+1·0	35·8	+0·1	23·6	61·7	23rd	14·4	13th	47·3
	Meshed*	3,104	27·671			27·890	3rd	27·310	27th	·580	34·7	43·1		26·6	−1·8	34·8		16·5	58·3	26th	7·0	8th & 9th.	51·3
	Jask	13	30·011	−·041	29·981	30·148	20th	29·888	2nd	·260	64·4	72·8	−2·1	61·3	−0·5	67·1	−1·3	11·5	80·3	26th	52·3	6th	27·0
	Muscat†	20	29·994	−·060	29·966	30·116	17th & 21st.	29·805	2nd	·311	68·3	75·9	+3·1	65·7	−2·1	70·8	+0·5	10·2	82·4	25th	61·0	10th	21·4
	Bahrein‡	18	30·096		30·068	30·212	17th	29·949	13th	·263	61·9	64·7		55·9		60·3		8·8	69·8	12th	44·8	6th	25·0
	Bushire	14	30·003	−·073	29·976	30·114	28th	29·854	14th	·260	54·7	62·8	−2·9	52·2	−0·6	57·5	−1·8	10·6	67·2	12th & 14th.	45·3	1st	21·9
	Busrah	25	30·056		30·042	30·207	17th	29·812	14th	·395	56·8	64·4		45·9		55·2		18·5	72·2	26th	33·9	6th	38·3
	Ispahan	*5,817*	24·175 (*b*)			24·310	24th	23·930	15th	·380	32·0	47·6	−6·6	27·4	−1·7	37·5	−4·2	20·2	61·3	26th	12·5	5th	48·8
	Tehran	*4,009*	25·863 (*b*)			26·000	4 days	25·600	13th	·400	32·4	46·5	−5·6	29·1	−3·8	37·8	−4·7	17·4	61·5	26th	21·7	5th & 6th	39·8
	Baghdad	220	29·891	−·072	30·103	30·060	23rd	29·617	12th	·443	47·1	62·6	−2·0	42·6‖	+0·8	52·7‖	−0·6	20·0	71·8	28th	32·0	6th	39·8
	Beirut		29·903		29·925	30·100	8th	29·624	12th	·476	55·6	63·3		51·0		57·2		12·3	70·8	27th	47·0	6th	23·8
	Aden	*94*	29·927	−·020	29·954	30·021	28th	29·853	3rd	·168	75·8	80·4	−1·3	73·7	+0·3	77·1	−0·5	6·7	84·3	28th	67·4	3rd	16·9
	Perim	*201*	29·812	+·023	29·851	29·851	1st	29·766	27th	·085	76·9	80·7	−2·7	71·7	−2·5	76·3	−2·6	9·0	81·9	27th	70·4	6th	11·5
	Zanzibar	72	29·917‡	+·008	29·916‡	29·975	28th	29·861	3rd	·114	82·3‡	86·7	−0·3	79·9	−0·4	83·3	−0·4	6·8	88·9	16th	75·2	26th	13·7
	De. Dunga	*154*	29·834§		29·916§	29·908	28th	29·785	6th	·123	79·9§	90·1§		55·7		72·4¶		34·4	97·7	16th	52·2	14th, 15th & 16th.	45·5

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

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

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

† Mean of 26 days.
‡ " " 27 "
§ " " 23 "
‖ " " 25 "

B—*concluded.*

***in India, etc., in February 1907*—concluded.**

Wind direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind velocity. Mean velocity in miles per hour.	Normal.	Departure from normal.	Wind steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st Dec. 1906 to 28th February 1907.	Normal rainfall for period, 1st December to 28th February.	Departure from normal of period, 1st Dec. 1906 to 28th Feb. 1907.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																Extra India.
	4	17	2	1				1	3	N 33° E				74						4·9		6			5·50			26·08			3·89	Singapore.
1	10	4	1	2	1	1		3	N 4° W		10·9			53						0·4		2			0·80			13·54			0·50	Penang.
25			1		1			1	S 45° E	N 7° E	1·1	6·9	−5·8	2	−19	84	+ 3	·794	−·017	3·1	0	3			1·32	1·98	− 0·66	22·24	23·26	− 1·02	0·83	Trincomalee.
	5	11	2	2	1		5	2	N 21° E	N 58° E	6·2	6·4	−0·2	46	− 7	83	+11	·785	−·003	2·3	−0·1	5			3·85	2·29	+ 1·56	6·59	12·28	− 5·69	1·72	Colombo.
	13	12	2					1	N 24° E	N 20° E	4·0	5·2	−1·2	85	+19	76	− 1	·810	+·014	3·5	+0·4	4			1·94	0·35	+ 1·59	6·84	7·10	− 0·26	0·56	Minicoy.
3	5	16	1					3	N 29° E					74		72	− 4	·787	−·044	3·1	−0·8	0			0	0	0	3·10	0·51	+ 2·59	0	Amini Divi.
																		Register not received.														Pharijong.
				18	2	3			S 19° E		3·3‡			74								0			0			0‡			0	Gyantse.
																		Observatory not opened.														Gartok.
19		5		2		1		1	N 58° E		3·2			14		78		·242		2·1		10			4·59			5·82			1·10	Gangtok.
23	3							2	N 14° W	N 29° W	0·6	1·5	−0·9	14	+ 4					4·3	−0·2	0			0	0·12	− 0·12	0·48	0·58	− 0·10	0	Kashgar.
	6	9	3	1	2	3	1	3	N 27° E	S 51° E				39	+30	80		·133		5·2	+1·9	12			3·65	0·98	+ 2·67	4·50	2·51	+ 1·99	0·70	Kabul.
																90		·188		5·0	+0·4	3			0·63	1·03	− 0·40	3·57	2·14	+ 1·43	0·25	Meshed.
4	3	3	6				1	6	N 26° E	N 10° E	11·6	12·2	−0·6	49	−19	75	− 1	·460	−·037	6·3	+3·8	4			2·09	0·97	+ 1·12	3·23	2·62	+ 0·61	0·82	Jask.
14		1				1	1	9	N 49° W	S 82° W	4·6	4·7	−0·1	32	− 9	74	+ 3	·521	+·010	2·2	−0·2	3			3·12	0·78	+ 2·34	4·92	2·32	+ 2·60	1·86	Muscat.
	2	1	2	9	2	1	6	9	N 63° W		4·5†			32		77		·433		1·3		6			1·87			1·87			0·65	Bahrein. (c)
3	1	4	5	6	2		1	6	N 75° E	N 49° E	10·3	8·0	+2·3	25	−22	85	+ 9	·367	+·004	5·7		8			4·76	2·35	+ 2·41	5·38	8·71	− 3·33	1·84	Bushire.
6	10				12				S					7		77		·361				7			1·94			3·28			0·89	Busrah.
21				2			4	1	S 72° W	S 82° W	2·5	4·6	−2·1	11	−31	77	− 3	·146	−·033	4·6	+1·4	9			2·19	0·17	+ 2·02	2·59	0·97	+ 1·62	0·97	Ispahan.
3	6	13	3	1		1		1	N 39° E		4·9			68		76††		1·54††		4·9		8			2·24			5·22			0·50	Tehran.
14	4			1	3		1	5	N 45° W	N 3° E	5·5	4·4	+1·1	21	− 2	73	+ 3	·247	−·014	4·7	+2·1	2			0·96	2·17	− 1·21	2·34	5·19	− 2·35	0·40	Baghdad.
12			3	3	2	8			S 3° W					36		74		·322		6·5		14			3·32			20·95			1·60	Beirut.
	2	25	1						N 44° E	N 31° E	21·6	15·3	+6·3	98	+20	78‡	+ 2	·691	+·016	7·9	+0·6	0			0·03	0·29	− 0·26	0·40	0·98	− 0·58	0·02	Aden.
			28						E	S 33° E	18·6	19·2	−0·6	100	+29	73	− 5	·677	−·039	1·4	−4·2	0			0	0·26	− 0·26	0·35	0·68	− 0·33	0	Perim.
1	8	11	1	1		4	1		N 27° E	N 27° E	4·9†	6·7	−1·8	52	−20	81‡	+ 2	·892‡	+·028	5·9‡	−0·2	6			1·42	1·38	+ 0·04	19·10	7·52	+11·58	0·33	Zanzibar. (e)
											†† 6·0																						
1	8	2					2	9	N 24° W		6·0			82		89§		·909§		3·5‖		9			6·30			14·00			1·67	Do. f (Dueqm.)

‡ Rainfall for January wanting.

¶ Mean of 9 days.
†† " " 20 "
‖ " " 13 "

(e) Wind direction for 27 days.

(f) Wind direction for 22 days.

Table C.—Abstract of observations taken at 8 hrs. at 24 fourth class stations in India, in February 1907.

Table.

Abstract of observations taken at 8 hrs.

Number of sub-division.	Station.	Temperature of air.													Wind direction.										
		Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.	Number of winds from								Resultant direction.	Normal direction.
															Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
	II.—Eastern Bengal and Assam.																								
4	Bishnath	54·4	75·2	...	49·3	...	62·3	...	25·9	82·6	20th	43·3	5th	39·3	...	...	...	...	...	...	...	...	...	...	...
	Borjuli	58·4	75·8	...	53·5	...	64·7	...	22·3	81·8	19th	43·4	6th	38·4	...	...	...	...	...	...	...	...	...	...	...
	Chandkhira	59·3	78·7	...	52·3	...	65·5	...	26·4	85·0	21st	44·8	9th & 10th.	40·2	...	...	...	...	...	...	...	...	...	...	...
	Doom Dooma	55·7	72·8	...	51·7	...	62·3	...	21·1	76·4	21st	45·1	10th	31·3	...	...	...	...	...	...	...	...	...	...	...
	Dikom	56·8	73·6	...	51·0	...	62·3	...	22·6	82·4	20th	43·5	10th	38·9	...	...	...	...	...	...	...	...	...	...	...
	Golaghat	58·5	73·5	...	53·6	...	63·6	...	19·9	80·3	20th	46·2	10th	34·1	...	...	...	...	...	...	...	...	...	...	...
	Hailakandi	61·3	78·9	...	?	...	?	...	?	84·0	20th & 21st.	?	?	?	...	...	...	...	...	...	...	...	...	...	...
	Jorehat	57·8	75·0	...	54·0*	...	64·5	...	21·0	80·9	20th & 21st.	47·0	5th	33·9	...	...	...	...	...	...	...	...	...	...	...
	Messa	60·7	81·3	...	47·7	...	64·5	...	33·6	86·1	28th	43·8	9th, 11th & 12th.	42·3	...	...	...	...	...	...	...	...	...	...	...
	Panerihat	51·9	74·8	...	49·9	...	62·4	...	24·9	81·6	20th	46·0	11th & 15th.	35·6	...	...	...	...	...	...	...	...	...	...	...
	Srimangal	61·2	81·7	...	53·5	...	67·6	...	28·2	86·7	20th	47·9	4th	38·8	...	...	...	...	...	...	...	...	...	...	...
	Turat	70·5	75·2	...	58·9	...	67·1	...	16·3	80·6	28th	52·4	9th	28·2		1			9	1	17			S 18° W	...
5	Brahmanbaria	65·6	80·8	...	56·5	...	68·7	...	24·3	87·3	20th	48·6	9th	38·7	...	...	...	...	...	...	...	...	...	...	...
	Dam Dim	52·3	82·7	...	47·8	...	65·3	...	34·9	87·3	27th	40·9	2nd	46·4	...	...	...	...	...	...	...	...	...	...	...
	Goalundo	62·6	80·2	...	54·2	...	67·2	...	26·0	87·3	26th	44·8	9th	42·5	...	...	...	...	...	...	...	...	...	...	...
	Kalchihi	62·4	75·2	...	50·8	...	63·0	...	24·4	81·8	20th	45·0	3rd	36·8	...	...	...	...	...	...	...	...	...	...	...
	Nagrakata	61·4	75·7	...	52·7	...	64·2	...	23·0	82·1	20th	42·9	9th	39·2	...	...	...	...	...	...	...	...	...	...	...
	Pabna	65·6	83·5	...	54·8	...	69·2	...	28·7	88·0	26th & 28th.	48·0	9th	40·0	...	...	...	...	...	...	...	...	...	...	...
	III.—Bengal.																								
9	Fraserganj	70·6	No	obse	rvation	s ta	ken of	max	imum	and m	inimum	ther	mometers.			1				14	4		9	S 42° W	...
	XI.—Central Provinces.																								
24	Chhindwara								Obser	vatory	not opene	d.													
	Hill Stations.																								
	Paninghatta	60·0	74·9	...	53·9	...	64·4	...	21·0	80·7	20th	46·1	2nd	34·6	...	...	...	...	...	...	...	...	...	...	...
	Kurseong	50·2	58·2	...	45·9	...	52·1	...	12·3	79·5	22nd	39·5	2nd	60·0	...	...	...	...	...	...	...	...	...	...	...
	Poot	...	33·1	...	22·3	...	27·8	...	10·8	42·1	22nd	12·0	13th	30·1	20	...	...	1	...	1	1	...	4	N 72° W	...
	Killa Drosh§	35·4	45·5	...	...	...	...	...	...	60·3	26th	...	...	...	...	...	...	...	...	...	5	...	2	S 68° W	...
	Pishin	..	48·7	...	31·2	...	40·0	...	17·5	70·3	28th	16·0	7th	54·3											

* Mean of 27 days. † 10 hrs. observation. ‡ Observation of 27 days. § Wind direction for 7 days only.

C.

at 24 stations in India, etc., in February, 1907.

Wind velocity.			Wind steadiness.		Hygrometry, 8 hrs.				Cloud.		Rainfall.									Heaviest rainfall during month.	Station.
Mean velocity, miles per hour.	Normal.	Percentage departure from normal.	Actual percentage.	Departure from normal.	Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal, in inches of mercury.	Mean cloud amount at 8 hrs.	Departure from normal.	Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st December, 1906, to 28th February, 1907.	Normal rainfall for period.	Departure from normal of period, 1st Dec., 1906 to 28th Feb., 1907.		
27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
																					II.—Eastern Bengal and Assam.
...	...	...	...	...	99	...	·428	...	...	...	3	...	...	0·82	...	...	3·54	...	...	0·41	Bisnath.
...	...	...	...	...	90	..	·445	...	...	...	2	...	...	0·68	...	...	2·75	...	...	0·30	Borjuli.
...	...	...	...	...	95	...	·481	...	...	...	2	...	...	0·92	...	...	5·20	...	...	0·76	Chandkhira.
...	...	...	...	...	96	...	·433	...	...	...	10	...	...	3·25	...	...	4·58	...	...	0·87	Doom Dooma.
...	...	...	...	...	90	...	·420	...	...	...	6	...	...	2·75	...	...	3·67	...	...	1·05	Dikom.
...	...	...	...	...	92	...	·453	...	...	...	5	...	...	1·10	...	...	3·41	...	...	0·28	Golaghat.
...	...	...	...	...	90	...	·486	...	...	...	3	...	...	2·25	...	...	12·62	...	...	0·92	Hailakandi.
...	...	...	...	...	96	...	·461	...	...	...	2	...	...	0·51	...	...	2·36	...	...	0·21	Jorehat.
...	...	...	...	...	85	...	·458	...	...	...	3	...	...	0·99	...	...	2·98	...	...	0·48	Messa.
...	...	...	...	...	94	...	·365	...	...	...	2	...	...	0·98	...	...	1·38	...	...	0·44	Panerihat.
...	...	...	...	...	91	...	·496	...	...	...	0	...	...	0·17	...	...	1·54	...	...	0·08	Srimangal.
...	...	...	68	...	57	...	·417	...	3·5	...	3	...	...	1·34	...	...	1·34	...	...	0·50	Tura.
...	...	...	...	...	91	...	·579	...	...	...	1	...	...	0·66	...	...	0·81	...	...	0·60	Brahmanbaria.
...	...	...	...	...	96	...	·384	...	...	...	3	...	...	1·24	...	...	1·52	...	...	0·57	Dam Dim.
...	...	...	...	...	83	...	·475	...	...	...	3	...	...	0·92	...	..	0·92	...	...	0·61	Goalundo.
...	...	...	...	...	79	...	·449	...	...	...	4	...	...	1·84	...	...	2·87	...	...	0·85	Kalchini.
...	...	...	...	...	77	...	·419	...	...	...	6	...	...	2·63	...	...	4·55	...	...	1·00	Nagrakata.
...	...	...	...	...	40	...	·488	...	...	...	3	...	...	0·68	...	...	0·68	...	...	0·30	Pabna.
																					III.—Bengal.
...	...	...	50	...	80*	...	·600*	...	...	...	1	...	...	0·57	...	...	...	...	...	0·50	Fraserganj.
																					XI.—Central Provinces.
											Observatory not opened.										Chhindwara.
																					Hill Stations.
...	...	...	...	...	...	...	...	...	...	...	2	...	...	0·83	...	...	1·13	...	...	0·58	Panighatta.
...	...	...	...	...	77	...	·283	...	...	...	6	...	...	1·30	...	...	1·91	...	...	0·32	Kurseong.
...	...	...	11	...	...	...	...	...	4·3	...	11	...	...	3·83	...	...	5·33	8·18	−2·85	0·65	Poo.
...	...	...	72	...	77	...	·158	...	5·0	...	0	...	...	0	...	...	3·73	...	...	0	Killa Drosh.§
...	...	...	...	...	...	...	...	...	3·8	...	8	...	...	4·71	...	...	5·04	6·22	−1·18	1·77	Pishin.

LITHO. BY S. B MUNDLE

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

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

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

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

PLATE III

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

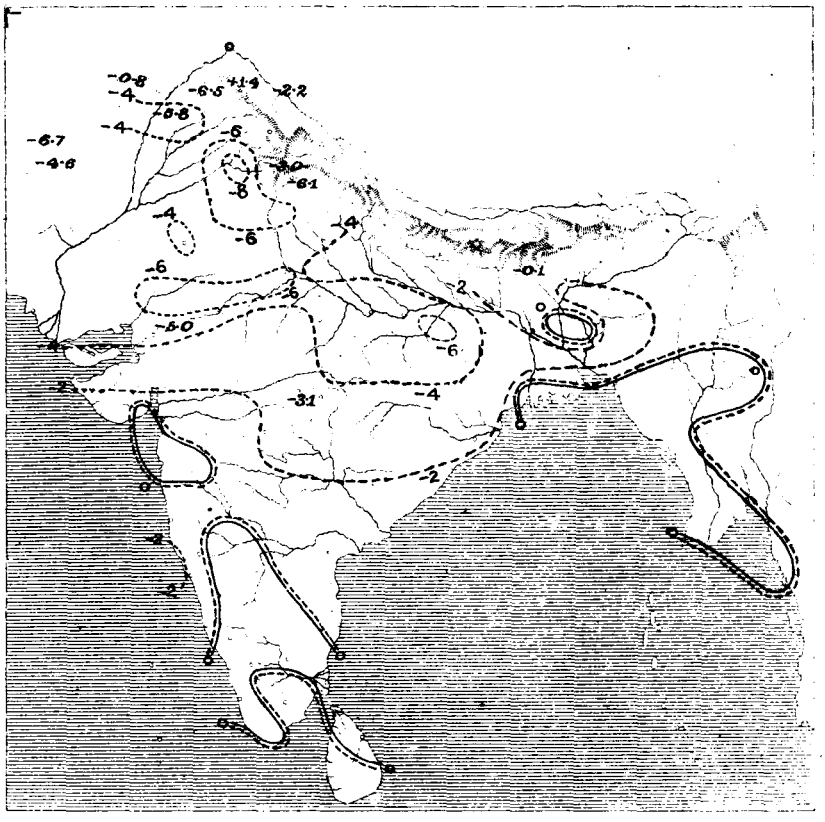
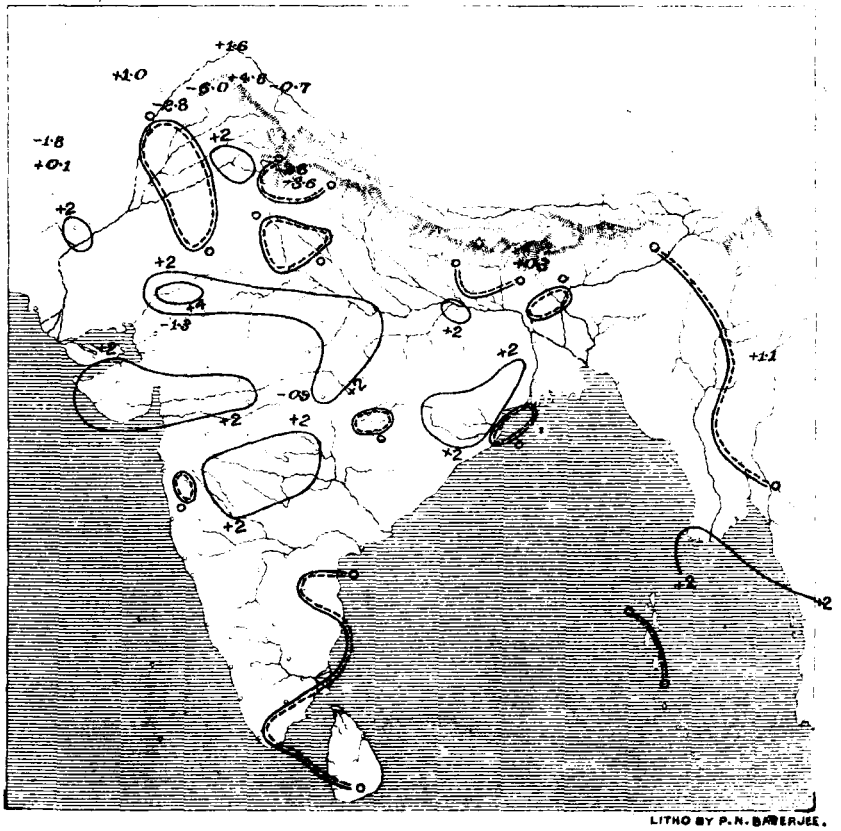


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MINIMUM TEMPERATURE.



LITHO BY P. N. BANERJEE.

PLATE IV.

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

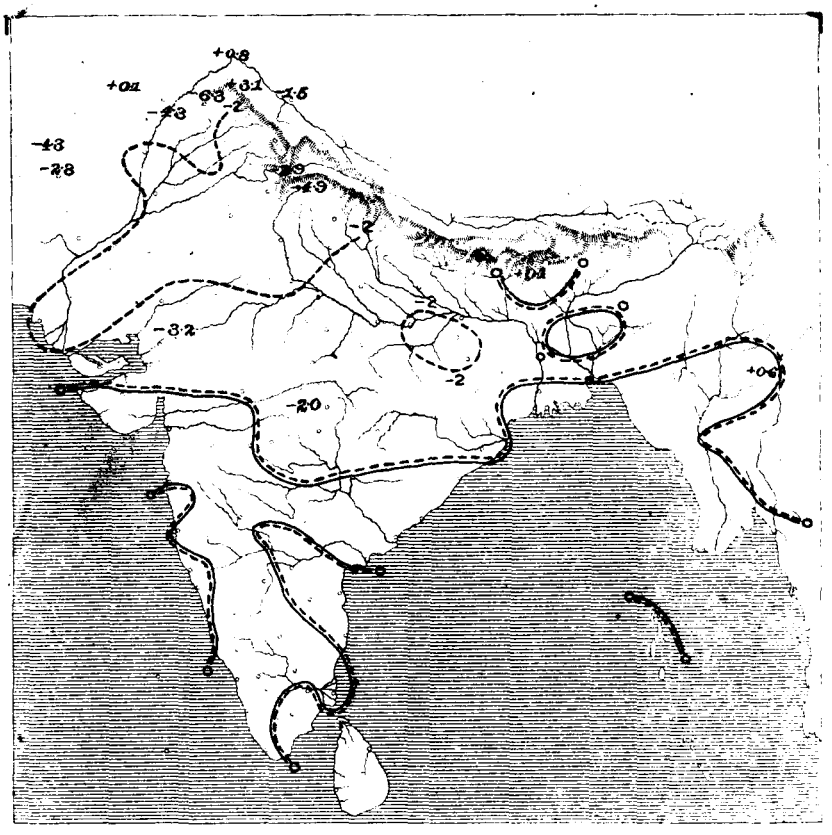
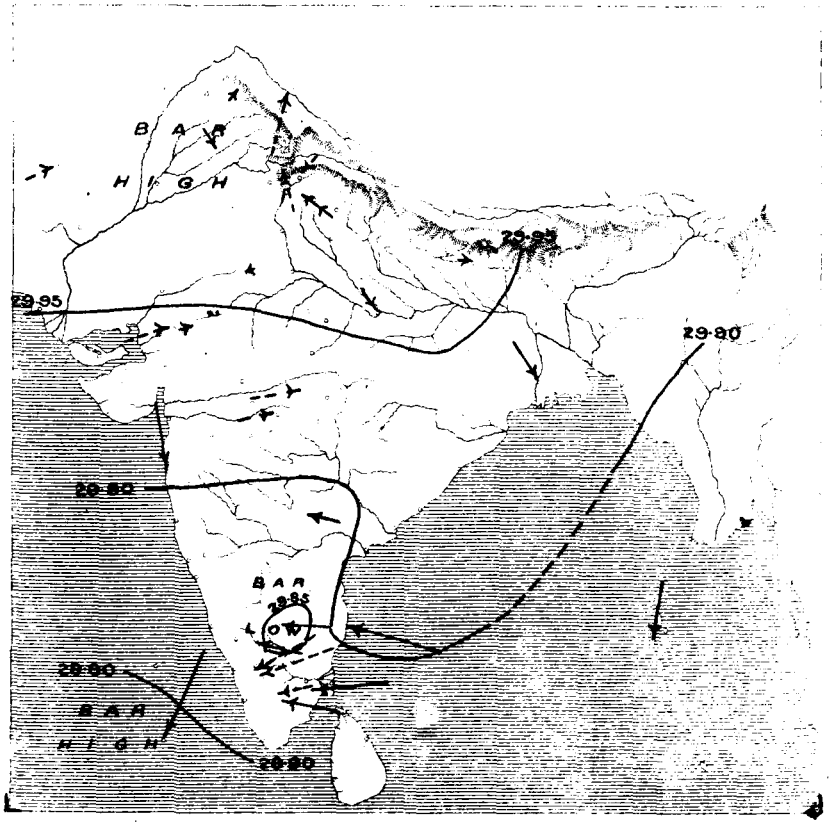


CHART SHEWING THE MONTHLY MEAN OF PRESSURE AND RESULTANT WIND DIRECTION.



LITHO BY G.S. MUNDLE.

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

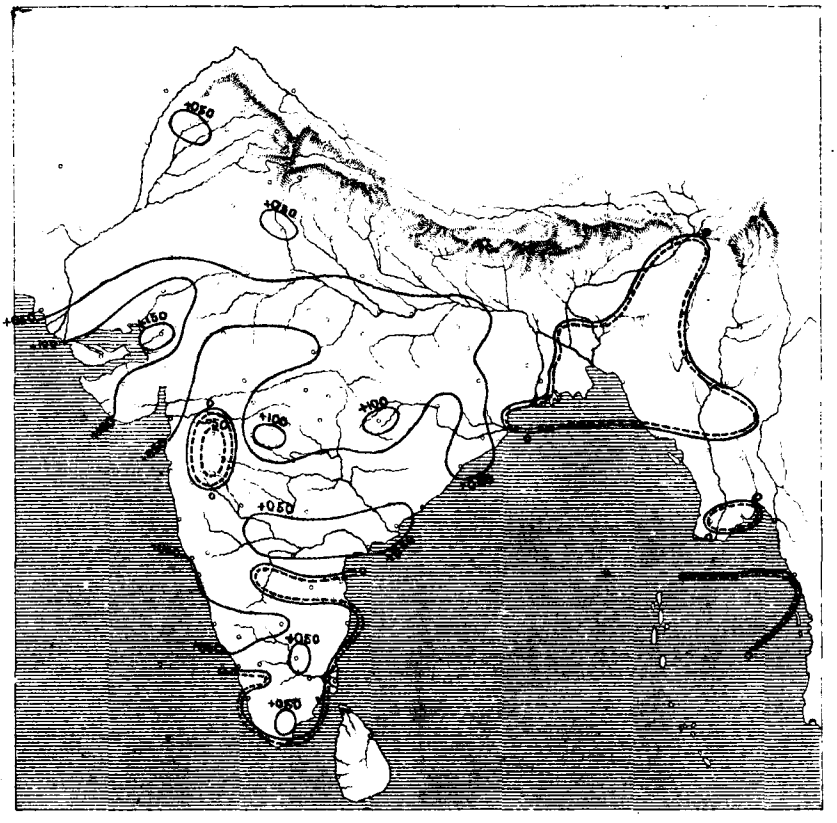
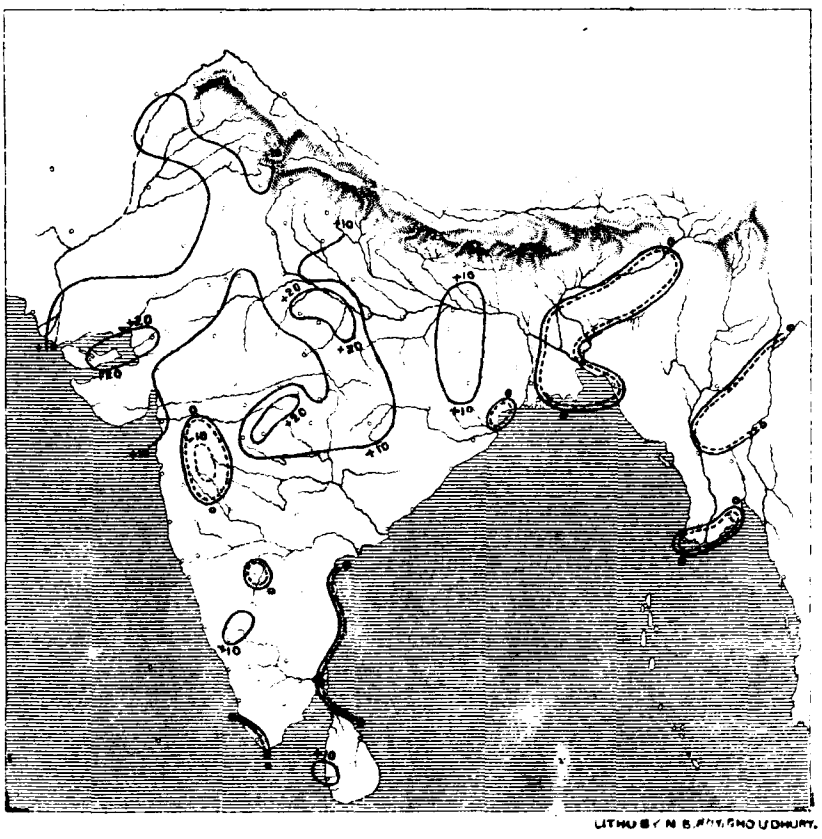


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF RELATIVE HUMIDITY AT 8 HRS.



LITHO BY N.S. CHOUDHURY.

PLATE VI.

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

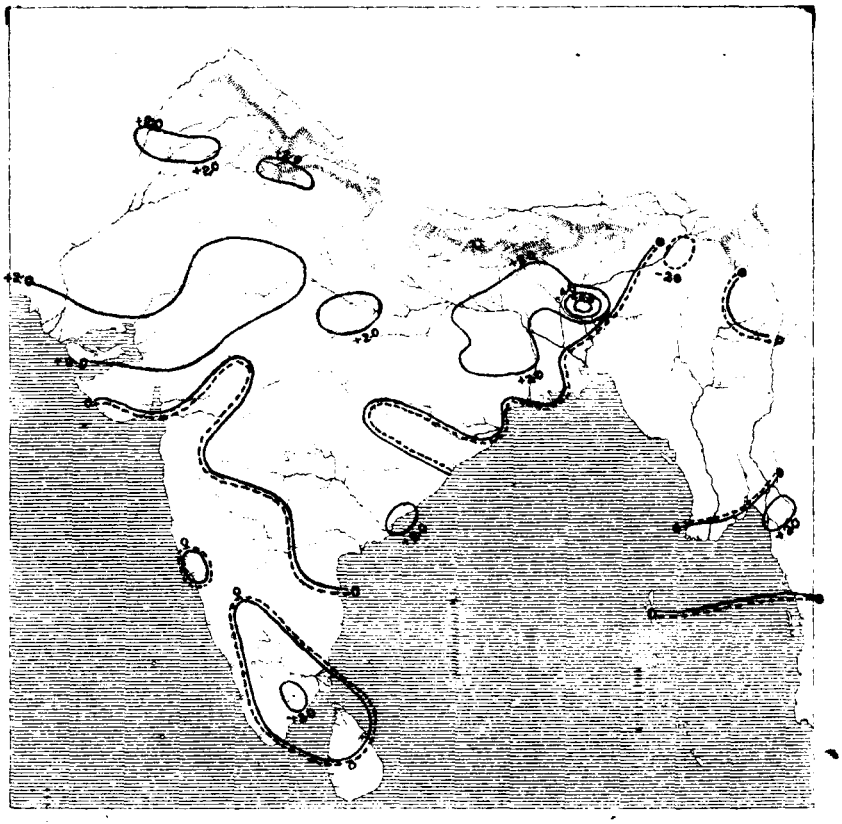
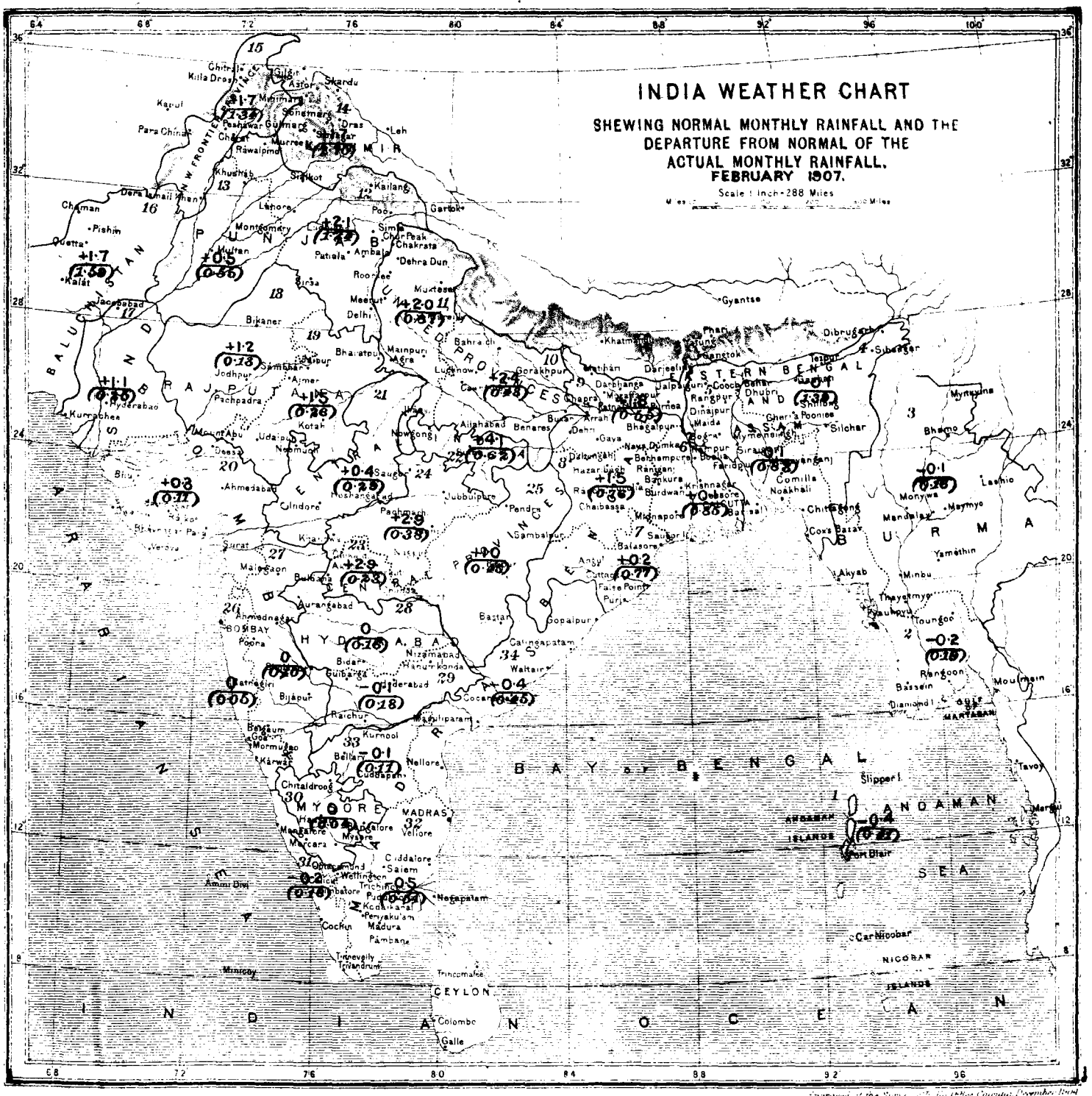


CHART SHOWING THE TOTAL NUMBER OF DAYS IN THE MONTH ON WHICH RAINFALL EQUALLED OR EXCEEDED 0·10 INCH.

(BASED ON THE RETURNS OF TABLE B.)

LITHO BY N.B.ROY,CHOUDHURY.



Engraved at the Survey Office, Calcutta, December 1907.

LITHO. BY S.S. MUNDLE.

The country is divided into 31 areas as shewn in the list below. The numbers in that list correspond with the red numbers on the chart, and serve to identify the areas. The numbers in brackets on the chart give the average over the divisions of the normal monthly rainfall; the numbers above these give the departures from normal of the average actual rainfall over the divisions.

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

GOVERNMENT OF INDIA.

METEOROLOGICAL DEPARTMENT.

MONTHLY WEATHER REVIEW.

PUBLISHED BY ORDER OF

THE GOVERNMENT OF INDIA.

CALCUTTA, MARCH, 1907.

INTRODUCTION.

THIS review of the weather in India during the month of March, 1907, is based on observations taken daily at 8 hrs. at 236 stations, and on additional observations taken at 10 hrs. and 16 hrs. at 36 stations. In the rainfall summary the data furnished by the meteorological observatories and such rainfall statements of the month as had been published by the Provincial Governments up to the date of the preparation of the review, have been utilized. The brief notes on solar, seismic and magnetic disturbances are supplied by the chief observatories.

Summary of the chief features of the weather in India during the month of March 1907.

2. Weather over northern India presented the same general characteristics as the preceding month, being very wet and cold. An exceptionally large number of cold weather disturbances crossed northern India of which the most active were :—

(*a*) That of the 10th to 13th which gave light to moderate general precipitations in northeast India, the tract of country, extending from Bihar to the North-West Frontier Province, Kashmir and Baluchistan. It was followed by a cold wave of moderate severity.

(*b*) The depression of the 14th to the 20th, combined with low pressure conditions in the Bay, caused heavy and general rain on the north Madras coast, in Orissa, northeast India and Burma; a severe cold wave followed in its rear.

(*c*) The depression of the 21st to the 25th was associated with heavy general rain over the same areas as in (*a*) as well as in east Rajputana. The cold wave accompanying this depression was the most severe during the year.

A cyclonic storm, the earliest on record, formed over the south of the Bay from the 4th to the 6th and advanced in a direction south of west to the east coast of Ceylon where it broke up on the 10th.

Owing to the unusual number of disturbances with the consequent wet and cloudy weather, maximum and minimum temperature were in defect over the whole of northern India, the deficiency being much more marked in the maximum than in the minimum.

During the passage of the cold waves accompanying the depressions from the 14th to 20th and the 21st to the 25th maximum temperatures from 20° to 28° below normal were recorded along the tract of their central part.

The rainfall of the month was in very large excess over Burma, northeast India, the United Provinces, the Punjab, and Madras. In Burma where very little rain is usually received the heavy rainfall occurred most unseasonably.

Solar, seismic and magnetic disturbances.

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

KODAIKANAL.

3. *Solar Observations.*—March was very favourable for Solar observations and there was no day without any observation.

Sunspots.—The sudden increase of spot activity noticed after a lull in October and November last and which culminated in February of this year in a large number of big spots came to an end about the third week of March, while the first half of the month shared with the previous three months the increased activity and had an average of 7 spots a day, the later half had only 3·7. The daily average for the month was 5·3 as against 7·0 in February. There

were observed 28 spot groups or only 4 more than that recorded for February; but most of these were small ones. Eight were very small ephemeral dots which did not last more than a day. Three of the groups were returns of those observed during the previous solar rotation. The two chief spots of the month were numbers 1090 and 1094. Both of them were in the southern hemisphere of the sun and they were in the latitudes 13° and 15° respectively. The former came round the east limb on the 3rd and was the return of spot number 1057 observed in February. It had not undergone much change when on the other side of the sun. The spot was of round and regular outline as before and traversed the solar disc this time also without much alteration of shape. It disappeared at the west limb on the 15th. Spot No. 1094 was on the sun from the 5th to the 18th. It was the return of the huge scattered group of February No. 1061. Most of the smaller companions had now disappeared and the main spot also was decreased in size. This is the 4th apparition of the same spot group No. 1010 which was first observed here on December 12. During these three months of its life it had undergone immense changes and its spectrum had also showed frequent disturbances in the Hydrogen lines; but in the present rotation there was not much alteration in its shape nor did its spectrum indicate any great disturbance.

As in February but quite unlike some of the other preceding months the spots were more evenly distributed between the northern and southern hemispheres of the sun. Their positions with regard to latitude was normal and were as follows:—

	0°-10°	10°-20°	20°-30°	Total.
North	6	9	1	16
South	3	9		12

Prominences.—Large prominences were equally abundant as in January and February. There were as many as 50 of these which were equal to or exceeding a minute high or covering 10° or more of the solar limb. Six were two minutes or more in height. The tallest of the month and perhaps the highest recorded here was photographed in Ca light on the 14th at 9 hrs. 25 min. 1st between position angle 3° and 15°. It was 6½ minutes high and was probably eruptive as it was absent in two other photographs taken half an hour and one hour later. On the 20th a huge cloud about 150″ high and overhanging 25° of the limb between position angle 95° and 110° was photographed.

Magnetic disturbances.—On the 10th between 10 hrs. 30 min. and 18 hrs. there was a "great" magnetic disturbance at that time the two large spots of the month Nos. 1090 and 1093 were about a day's journey on either side of the central meridian. "Moderate" disturbances were recorded on the 11th, 12th, 21st and 22nd. On all these days spots were not far from the central meridian of the sun.

J. EVERSHED,
Acting Director,
Kodaikanal and Madras Observatories.

Colaba.

Note on the Alibag Magnetic Record.

4. During the month the traces showed 14 calm days, 14 days of small and 3 day of moderate disturbance.

Movements suspected to be due to seismic causes occurred on the 10th at about 5 hrs., the strain apparently lasting for about 13 hours.

The days of the month selected as quiet are the 5th, 9th, 18th, 23rd and 27th.

The mean observed absolute values of the several elements as also the ranges and the summed ranges of the Horizontal Force and Declination for the month are as follows:—

Declination	1° 3′ 50″ east.
Horizontal force	0·36871 C. G. S. unit.
Dip	23° 12′·3.
Horizontal force range	0·00059 C. G. S. unit.
Horizontal force, summed range	0·00384 " "
Declination range	2′·74.
Declination summed range	11′·13.

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

MAGNETIC DISTURBANCES, MARCH 1907.

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

The magnitudes of the disturbances are determined from horizontal force traces.

C=calm; S=small; M=moderate; G=great; V G=very great. Days are reckoned from midnight to midnight.

SEISMIC DISTURBANCES RECORDED AT COLABA.

Only one small seismic disturbance was recorded during the month on the 29th.

Date.	Commencement.		Maximum.		End.		Amplitude in m.m.	Duration.	
	H.	M.	H.	M.	H.	M.		H.	M.
29	20	54·6	21	15·8	21	51·1	1·0	0	56·5

All times given above denote G.M.T.

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

CALCUTTA OBSERVATORY.

5. List of displacements recorded by the Milne Seismograph at the Alipore Observatory during March 1907.

Date. 1907.	P. T. Commencement. G. M. T.	L. W. Commencement. G. M. T.	Maximum. G. M. T.	End. G. M. T.	Duration.	Maximum displacement on trace from mean position. mm.	REMARKS.
	H. M.	H. M.	H. M.	H. M.	H. M.		
March. 19th	22 4·5	22 20·3	22 32·5	22 50·8	0 46·3	0·50	
29th	20 52·0	...	21 2·9	21 59·2	1 7·0	4·25	
31st	22 15·6	22 24·3	22 33·4	23 45·3	1 29·7	1·25	

C. W. PEAKE,

Meteorologist, Calcutta.

SIMLA OBSERVATORY.

6. List of earthquakes recorded by the Omori-Ewing Seismograph; the magnification was 15 during the month.

Date. G.M.T.	Beginning of 1st P.T. G.M.T.	Beginning of 2nd P.T. G.M.T.	Beginning of L. W. G.M.T.	Time of Maximum amplitude. G.M.T.	Approximate end. G.M.T.	Duration.	Maximum displacement of style. mm.	REMARKS.
	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.		
2nd	...	...	16 4·4	...	16 6·1	0 1·7	1·0	Local.
19th	...	...	12 20·6	...	12 21·8	0 1·2	0·5	Tremor.
21st	...	...	0 15·3	...	0 15·7	0 0·4	0·5	Do.
22nd	...	...	3 23·0?	...	3 30·5?	0 7·5	1·0	Do.
29th	20 53·0	20 55·7	20 59·5	...	21 20·0	0 27·0	5·0	Origin unknown, but probably about 1,100 miles distant.
31st	...	...	15 55·4	...	6 2·0	0 6·6	0·5	Tremor.

An earthquake of slight intensity occurred at Srinagar on the 2nd March at 11 hrs. G. M. T.

J. PATTERSON,

Imperial Meteorologist, Simla.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

7. Solar observations.—Observations were taken on every day except the 1st, 3rd, 16th, 21st and 24th to 29th, groups of sunspots being seen throughout. They were especially numerous between the 4th and 15th and faculæ were visible on each day of observation.

Day.	Time.	Disturbance.
1	19h. 40m. to 19h. 45m.	Decrease in H. F. (13).
2	oh. 7m. to oh. 14m.	Decrease of H. F. (14), 6h. to 8½h. wave in H. F. (+21).
4	oh. to 14h.	Occasional small fluctuations in H. F.
5	23h. 10m.	Sudden increase in H. F.; 7h. to 8½h. wave in H. F. (+20).
7	14½h. to 21h.	Two successive shallow waves in H. F. (−10 and +13).
10 to 11	8h. to 14h.	
11 to 12	22h. to 13h.	Occasional small rapid fluctuations in Declination (H. F. register defective from 11h. 11h. to 15h. 12h).
21 to 22	17h. to 16h.	
25 to 26	10h. to 2h.	Occasional small fluctuations in H. F. with wave 15½h. to 16h. (+13).

Weather in the Indian monsoon region.

8. Conditions were abnormal over the Indian Ocean as represented by Mauritius, Zanzibar and the Seychelles.

Thus at all the three stations pressure was more or less in excess, the velocity of wind less than usual, particularly at Mauritius and the rainfall below the average. The defect of rainfall was most marked at the Seychelles which obtained only 18 per cent. of its normal supply. The direction of air movement was very unusual at Zanzibar where it was N 42° E, the normal being S 44° E: this would indicate that the extension northwards of the southeast trades was taking place much more slowly than usual.

	Mauritius.	Zanzibar.	Seychelles.
	"	"	"
Departure from normal of mean pressure.	+·007	+·012	+·030
Actual mean wind direction.	S 79° E	N 42° E	N 21° W
Normal mean wind direction.	S 78° E	S 44° E	N 17° W
Actual mean wind velocity (miles per diem).	162	118	108
Normal mean wind velocity (miles per diem).	250	130	118
Rainfall departure.	−1·91	−1·65	−8·94

Depressions and cyclonic storms.

9. March was characterized by an unusually large number of cold weather depressions in northern India and by very unsettled and wet weather in Burma, the south of the Bay and south India.

The first depression to affect the weather in March entered northwest India on the last day of the previous month and gave light precipitation in Kashmir, the North-West Frontier Province and the Punjab hills on the 1st and 2nd. The depression in its course across northern India did not give any more rain until it reached northeast India when it caused light rain in parts of Bihar, Eastern Bengal and Assam and of North Burma, and disappeared on the 6th.

The next depression made its appearance over Baghdad on the 2nd, and after giving light rain in Persia entered India on the 5th. It moved right across the country without causing any precipitation until reaching Assam when light rainfall occurred on the 8th and 9th. Within the depression a fairly deep secondary formed in the Punjab and gave moderately heavy precipitation in Kashmir on the 5th and 6th.

The third depression of the month appeared over Baghdad on the 7th and had entered northwest India by the morning of the 10th. It moved rapidly across northern India and disappeared in Upper Burma on the 13th. Within the depression a deep secondary formed in the north Punjab between the 10th and the 11th, and completely reversed the pressure gradients in northern India, producing an inflow of winds from the Bay and the Arabian Sea; the latter filled up in the hills on the 12th. The disturbance caused widespread and light to moderate precipitation in Baluchistan, the North-West Frontier Province, Kashmir, the Punjab, the central and submontane districts of the United Provinces and northeast India.

The next disturbance was affecting Arabia on the 11th, but it pursued a course considerably south of the usual track, and entering lower Sind on the 14th it passed across the head of the Peninsula and of the Bay, disappearing in Burma on the 20th. It occasioned light precipitation in Baluchistan, lower Sind, east Rajputana and the Central Provinces excluding the western districts. It was probably owing to the abnormal course of the depression that no precipitation occurred in the United Provinces or upper India, while the depression was crossing the head of the Bay into Burma, a large area of low pressure appeared over the south of the Bay on the 15th and apparently moved northward. The combined action of these two disturbances caused an inflow of southerly winds into northeast India and Burma, and rain accordingly fell over northeast India, the northern half of the east coast and south and central Burma from the 17th to the 20th, being widespread on the 18th and 19th. Weather was also unsettled over the Peninsula during this period and scattered falls of rain were received.

As the preceding depression was passing away a fresh disturbance was advancing from Persia and gave light precipitation to Baluchistan on the 20th; it entered northwest India next day and within it a small secondary formed in the Punjab and disappeared in the hills, while the primary pursued the usual course across northern India to Burma. The associated precipitation was very widespread over northeast India, the United Provinces, east Rajputana, the Punjab, the North-West Frontier Province and Kashmir, being heavy in northeast India and Kashmir.

The sixth depression was shown over Baghdad on the 21st and reached northwest India on the 24th before the previous depression had disappeared. It travelled right across India without giving any appreciable precipitation until it reached northeast India, when it was the cause of light local rain there and in Orissa.

The last disturbance of the month formed locally over Baluchistan on the 25th and gave light precipitation in the hill and submontane districts of upper India.

The cyclonic storm in the Bay of Bengal from the 5th to the 10th March. Cyclonic storms in the Bay are of very rare occurrence in March and as far as known the only one on record passed over the Car Nichobars on the 26th March 1892. Cyclonic storms which occur in the Bay before the setting in of the monsoon are generally associated with temporary advances of monsoon winds and there may have been a very feeble advance about the first of the month; at any rate the winds at Port Blair bad a slight southerly component from the 4th to the 12th. Unsettled weather set in over the Andaman Sea on the 4th and in south Burma and the Andaman Islands rain fell from that date until the 7th. This in conjunction with the observations from ship's logs seems to indicate that a storm was forming in the south of the Bay on the 5th; it had formed by the 7th and was apparently travelling in a direction south of west. The British India Steam Navigation Company's boat Vadala from Bombay to Rangoon ran into the storm area, the wind being north northeast, about noon on the 7th when in Lat. 8° 56′ N and Long. 85° 7′ E, and by 2 hrs. the next morning she was experiencing hurricane winds from the northeast veering to east north east by 3 hrs. and then to east southeast at 4 hrs. by which time the wind had moderated to a strong gale with continuous heavy rain up to 8 hrs. The barometer fell from 8 hrs. of the 7th to 4 hrs. 30 min. of the 8th and during that time it fell half an inch. The boat at noon of the 8th was in Lat. 10° 04 north, Long. 87° 02′ east and must have passed sightly to the north of the centre of the storm between 2 hrs. and 3 hrs. on the 8th. The storm crossed the east coast of Ceylon during the 10th near Batticaloa south and did considerable damage to the town.

Pressure.

10. On the mean of the month the geographical distribution of pressure was ·026″ in excess. The greatest excess of pressure occurred along the base of the Himalayas, being most strongly accentuated in the north of eastern Bengal, Bihar and the north Punjab, and decreased southwards, becoming normal in south India. The general

features of the pressure distribution thus resembled those of last year and the type usually prevailing in February rather than in March except in south India.

On the other hand the pressure conditions in the higher regions of the atmosphere as represented by the hill stations were almost the reverse of those on the plains; in the regions represented by Pachmarhi, and Mount Abu, the deficiency of pressure was slightly below normal but did not differ much from the conditions at the plains stations in their neighbourhood. In Baluchistan and at Darjeeling pressure was also approximately normal but it decreased in a northerly direction and at Leh (elevation 11,500 ft.) it was ·091″ in defect. The vertical gradients were thus abnormally steep in northern India, and amounted to ·146″ between Sialkot and Leh.

The vertical pressure gradients at 11 pairs of representative stations, and the provincial departures from normal are given in the following tables.

Hill Station.	Departure from normal pressure.	Plain Station.	Departure from normal pressure.	Departure of pressure difference.
Quetta	—·011	Jacobabad	+·029	+·040
Leh	—·091	Lahore	+·032	+·123
Murree	—·034	Peshawar	+·020	+·054
Simla	—·043	Ludhiana	+·039	+·082
Chakrata	—·035	Roorkee	+·049	+·084

Hill Station.	Departure from normal pressure.	Plain Station.	Departure from normal pressure.	Departure of pressure difference.
Darjeeling	+·016	Dhubri	+·053	+·043
Mount Abu	—·011	Deesa	+·005	+·016
Pachmarhi	—·005	Khandwa	+·013	+·017

Provinces.	Departure from normal of mean 8 hrs. pressure.
Burma	+·024
Eastern Bengal and Assam	+·038
Bengal	+·044
United Provinces of Agra and Oudh	+·041
Punjab	+·043
North-West Frontier Province	+·029
Sind	+·019
Rajputana	+·018
Bombay	+·010
Central India	+·017
Central Provinces	+·028
Hyderabad	+·018
Mysore	+·008
Madras	+·012

Temperature.

11. It was noted that the pressure distribution resembled more that of the cold weather type rather than that of March, and the temperature conditions clearly show that this was the case.

Mean temperature was in defect over nearly the whole country; the deficiency was greatest along the base of the Himalayas and gradually changed into normal conditions in south India and Tenasserim; it is interesting to note that the greatest excess of pressure and the greatest defect of temperature occurred in the same areas, and that both gradually changed into normal conditions in the south.

Maximum temperature was in defect over almost the whole of India, the only exceptions being in the extreme south of the peninsula and on the north Konkon coast. The maximum was lowest in the submontane Punjab where it varied on the mean of the month from 8° to 11½° below normal, while over the whole of northern India it was more than 4° in defect; this deficiency however gradually lessened towards the south and finally disappeared in south India.

The geographical distribution of the departures from normal of the minimum was very similiar to that of the maximum, but the defect in northern India was not nearly so great, and did not exceed 4½°; on the other hand in the south eastern districts of the Peninsula and in the greater part of Burma it was slightly above normal. In the western Himalayas the deficiency was nearly 9° and was almost as large as that in the maximum, while in Kashmir low temperature conditions were not so well marked.

During the first ten days of the month no marked cold waves crossed northern India but a cold wave of moderate severity followed the third depression of the month, and owing to the rapidity with which the depressions succeeded each other, temperature did not have time to recover during the intervals. This resulted in there being two waves of greater severity than the others. The first appears to have entered Sind on the 15th, but when it reached the northwest of the United Provinces it intensified and then travelled eastward, its central part passing from the northwest of the United Provinces across Chota Nagpur and lower Bengal into central Burma. Along this line the wave reduced the maximum to more than 20° below normal, and in Chota Nagpur maximum temperature was 27° in defect. The minimum was affected to a much less extent and did not fall to more than 10° below normal. The second commenced its course in the Punjab, on the 22nd, when maximum temperature was 29° in defect at Ludhiana and 28° at Lahore and Sialkot; by the next day the wave had reached northeast India and maximum temperatures from 20° to 28° below normal were recorded in Bihar and north Bengal. As generally happens the minimum was not affected as much as the maximum, and the greatest deficiency occurred in the North-West Frontier Province and the central Himalayas where it varied from 10° to 17°.

Although no lowest temperatures on record for March were recorded, yet at Simla the minimum was 25·4° on the 12th, being the lowest except in 1898 when it was 23·4°, and at Chakrata 26·7° was registered on the 13th, being the lowest recorded during the past 33 years.

Division.	Actual temperature.					Departure from normal of month of		
	Mean maximum.	Mean minimum.	Monthly mean of mean between maximum and minimum.	Mean daily range of temperature.	Absolute range during month.	Maximum.	Minimum.	Daily range.
	°	°	°	°		°	°	°
1. Bay Islands	87·0	76·2	81·6	10·8	17·4	—3·7	—0·7	—3·0
2. Lower Burma	90·7	71·9	81·4	18·8	29·7	—2·1	+0·8	—2·9
3. Upper Burma	92·0	64·6	78·3	27·4	42·0	—2·5	+0·1	—2·6
4. Assam	78·6	59·6	69·2	19·0	33·6	—4·5	—2·1	—2·4
5. Eastern Bengal	84·3	62·1	73·2	22·2	36·8	—3·7	—2·1	—1·6
6. Bengal	87·1	65·8	76·5	21·3	36·5	—4·6	—2·7	—1·9
7. Orissa	89·6	69·9	79·8	19·6	31·7	—3·4	—0·9	—2·5
8. Chota Nagpur	86·2	61·9	74·0	24·3	39·6	—5·2	—2·1	—3·1
9. Bihar	84·3	60·0	72·2	24·3	37·6	—6·3	—3·5	—2·8
10. United Provinces (East)	85·0	58·2	71·6	26·8	40·6	—6·3	—2·8	—3·5
11. United Provinces (West)	80·1	55·8	68·0	24·3	39·0	—7·4	—3·5	—3·9
12. Punjab (East and North)	75·1	53·4	64·3	21·7	34·2	—9·0	—3·0	—6·0
13. Punjab (South-West)	78·3	54·0	66·2	24·3	39·5	—6·0	—3·0	—3·0
14. Kashmir	43·5	21·7	32·6	21·8	45·5	—5·0	—3·2	—1·8
15. North-West Frontier Province	72·4	50·0	61·3	22·4	37·3	—7·4	—3·7	—3·7
16. Baluchistan	66·5	44·8	55·6	21·7	47·3	—1·3	—1·1	—0·2
17. Sind	88·2	63·6	76·0	24·6	42·6	—1·9	+0·3	—2·2
18. Rajputana (West)	87·4	59·9	73·7	27·5	42·1	—5·0	—2·9	—2·1
19. Rajputana (East)	86·1	60·1	73·1	26·0	40·1	—4·6	—0·1	—4·5
20. Gujarat	91·5	66·0	78·8	25·5	40·5	—1·2	+0·1	—1·3
21. Central India (West)	88·7	59·9	74·3	28·8	42·1	—3·3	—1·1	—2·2
22. Central India (East)	85·6	59·1	72·9	27·5	40·4	—5·3	—2·0	—3·3
23. Berar	96·0	66·5	81·3	29·5	41·5	—2·7	—1·2	—1·5
24. Central Provinces (West)	91·6	62·4	77·0	29·2	42·4	—3·4	—2·0	—1·4
25. Central Provinces (East)	91·3	64·2	77·8	27·1	39·8	—3·5	—1·6	—1·9
26. Konkon	86·7	73·3	80·0	13·4	21·7	—0·4	—0·4	0
27. Bombay Deccan	96·1	64·6	80·4	31·5	41·8	—0·5	—1·1	+0·6
28. Hyderabad (North)	95·6	68·7	82·1	26·9	37·4	...	...	...
29. Hyderabad (South)	96·9	71·8	84·4	25·1	34·1	—1·4	0	—1·4
0. Mysore	92·1	65·8	79·0	26·4	35·1	—0·3	—0·3	0
31. Malabar	89·5	76·5	83·0	13·0	18·0	—0·1	0	—0·1
32. Madras (South-East)	93·8	73·6	83·7	20·3	31·6	—0·1	+1·2	—1·3
33. Madras (Deccan)	100·1	73·2	86·6	26·9	38·8	—0·9	+0·3	—1·2
34. Madras Coast (North)	88·8	73·4	81·1	15·3	25·8	—2·0	+0·4	—2·4

PROVINCE.	DEPARTURE FROM NORMAL OF		
	Mean maximum temperature.	Mean minimum temperature.	Mean temperature.
Burma	—2·2	+0·5	—0·9
Eastern Bengal and Assam	—4·0	—2·1	—3·1
Bengal	—4·8	—2·4	—3·6
United Provinces of Agra and Oudh	—6·9	—3·2	—5·0
Punjab	—8·1	—3·0	—5·6
North-West Frontier Province	—7·4	—3·7	—5·6
Sind	—1·9	+0·3	—0·8

PROVINCE.	DEPARTURE FROM NORMAL OF		
	Mean maximum temperature.	Mean minimum temperature.	Mean temperature.
Rajputana	—4·7	—1·2	—3·0
Bombay	—0·7	—0·4	—0·6
Central India	—4·3	—1·5	—2·9
Central Provinces	—3·2	—1·7	—2·5
Hyderabad	—1·4	0	—0·
Mysore	—0·3	—0·3	—0·3
Madras	—0·5	+0·7	+0·1

Winds.

12. The air movement was greater than usual over the Peninsula (excluding Bombay but including the Central Provinces) in Rajputana and in the Punjab, but in the rest of the country it was below the average, more especially in Eastern Bengal and Assam and the North-West Frontier Province. In Rajputana the wind was much stronger than usual, probably owing to the large number of depressions that crossed this region. Wind directions were much more variable than usual in Burma, Bengal, the United Provinces, the North-West Frontier Province and Central India. In Burma winds have generally a strong northerly component throughout the month, but owing to the disturbed weather over the Bay the winds were from the south on several occasions and this would account for the unsteadiness of the wind in that province. The mean directions were also very abnormal in parts of the province of Bengal, in Eastern Bengal and the east of the United Provinces; the most noticeable departures occurred at Barisal where the wind was north instead of south, at Darbhanga where it was northeast instead of west and at Gorakhpur the wind was east northeast instead of west northwest. Raipur also had a southeast wind instead of a west northwest. In the peninsula the winds did not depart much from their normal directions. In Rajputana and Sind the winds were much steadier than usual although their mean direction varied considerably and irregularly from the normal.

PROVINCE.	DEPARTURE FROM NORMAL OF	
	Hourly wind velocity.	Wind steadiness.
Burma	—0·5	—23
Eastern Bengal and Assam	—1·2	+ 1
Bengal	—0·6	—15
United Provinces of Agra and Oudh	—0·8	—22
Punjab	+0·5	+ 2
North-West Frontier Province	—1·1	—17
Sind	—0·8	+14
Rajputana	+1·2	+14
Bombay	—0·1	— 1
Central India	—0·9	—13
Central Provinces	+0·8	+ 4
Hyderabad	+0·7	+ 6
Mysore	+0·4	— 2
Madras	+0·9	— 5

Humidity and cloud.

13. The actual amount of moisture in the air did not differ appreciably from the average value over the greater part of the country, the only noticeable exceptions being a deficiency in the coast districts from Vizagapatam to Akyab and an excess in Chota Nagpur. On the other hand the relative humidity on account of the low temperature conditions was generally above normal in northern India and Burma: the excess was most marked in Chota Nagpur, the United Provinces, the Punjab and north Rajputana. In the Peninsula normal conditions were the predominating feature. No marked departures from the normal occurred in the cloud distribution and there was slightly more than the usual proportion of the sky overcast along the base of the Himalayas, in the province of Bengal and south east

Madras; there was however somewhat less cloud than the average in the Bombay Presidency, the Central Provinces and the eastern districts of northeast India.

Province.	Hygrometry, 8 hrs.				Cloud.	
	Mean humidity.	Departure from normal.	Mean vapour ension in inches of mercury.	Departure from normal in inches of mercury.	Mean cloud amount at 8 hrs.	Departure from normal.
	%		"			
Burma . . .	76	+ 3	·640	+·007	2·6	+0·5
Eastern Bengal and Assam.	83	+ 3	·563	—·028	3·6	+0·3
Bengal . . .	72	+ 7	·535	+·004	3·0	+0·7
United Provinces of Agra and Oudh.	66	+12	·390	+·023	2·7	+0·6
Punjab . . .	72	+11	·366	+·004	3·7	+0·7
North-West Frontier Province.	75	+ 7	·339	—·022	4·2	+0·2
Sind	55	0	·415	—·004	2·1	—0·4
Rajputana . . .	48	+ 7	·314	+·014	1·8	—0·5
Bombay . . .	60	+ 3	·531	+·009	1·1	—0·5
Central India . .	47	+ 7	·339	+·019	2·5	+1·0
Central Provinces .	45	+ 3	·360	+·005	0·9	—0·9
Hyderabad . . .	53	+ 8	·516	+·062	1·5	+0·4
Mysore . . .	62	— 2	·520	—·020	1·5	—0·1
Madras . . .	74	0	·763	+·009	2·9	+0·6

Rainfall.

14. March like the preceding month was very wet over the greater part of the country.

Burma and the Andamans usually receive very little rain during the month but this year heavy and widespread rainfall occurred during two periods of disturbed weather. The first occurred during the existence of the cyclonic storm in the south of the Bay from the 4th to the 10th when heavy rain fell in the Andamans and in south Burma, but it did not extend far into the interior. With the appearance of the area of low pressure in the south of the Bay on the 16th rainfall began in south Tenasserim and spread northward reaching the Mandalay and Monywa districts by the 19th. In the northern districts the rainfall was chiefly associated with the first cold weather depression that crossed northern India.

In the south of the Peninsula only scattered falls of rain occurred during the passage of the disturbance that gave the rain to Burma but on the 21st rain fell in Mysore, and again on the 29th it was fairly widespread in the western half of south India; as is usual in March the rain in the last two cases was associated with thunderstorms.

In northeast India, the United Provinces, the Punjab and Kashmir precipitation occurred with most of the depressions that crossed the country but was most widespread in northeast India during the passage of the fourth disturbance.

The greatest percentage and actual excess of rainfall occurred in the Bay Islands where it amounted to 3·28 inches, or nearly 2,000 per cent., and in the following table are given those divisions in which the excess exceeded 200 per cent. of the normal value.

Division.	Actual Rainfall.	Percentage departure from normal.
	"	
1. Bay Islands	3·45	+1929
2. Lower Burma	2·04	+ 750
3. Upper Burma	0·83	+ 232
4. Bengal	3·57	+ 253
5. Chota Nagpur	3·13	+ 341
6. Bihar	1·52	+ 322
7. Rajputana West	0·26	+ 271
8. Madras Coast North	1·54	+ 267

Rainfall in Central India, the Central Provinces, the Bombay Presidency and Hyderabad north is normally very scanty and this year it was much more so than usual except in Sind and the east of the Central Provinces; the deficiency was actually greatest in the Central Provinces west where it amounted to 0·3 inch.

Plate VII gives data for the 34 meteorological divisions and the annexed tables give the same information and for the 14 provinces in addition.

MARCH 1907.

Division.	Number of rainy days.		Rainfall.			
	Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
			Inches.	Inches.	Inches.	
1. Bay Islands .	4·0	0·5	3·45	0·17	+3·28	+1929
2. Lower Burma .	2·8	0·4	2·04	0·24	+1·80	+ 750
3. Upper Burma .	1·1	0·7	0·83	0·25	+0·58	+ 232

Division.	Number of rainy days.		Rainfall.			
	Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
			Inches.	Inches.	Inches.	
4. Assam	7·7	7·1	3·64	4·51	−0·87	− 19
5. Eastern Bengal	4·6	2·5	2·86	1·78	+1·08	+ 61
6. Bengal	4·9	1·8	3·57	1·01	+2·56	+ 252
7. Orissa	3·2	1·8	2·24	1·08	+1·16	+ 107
8. Chota Nagpur	3·9	1·5	3·13	0·71	+2·42	+ 341
9. Bihar	3·6	0·8	1·52	0·36	+1·16	+ 322
10. United Provinces, East.	1·8	0·7	0·60	0·31	+0·29	+ 94
11. United Provinces, West.	2·7	1·1	1·03	0·48	+0·55	+ 115
12. Punjab, East and North.	3·9	1·5	1·91	0·74	+1·17	+ 158
13. Punjab, South West	2·2	1·3	0·69	0·50	+0·19	+ 38
14. Kashmir	6·0	5·0	3·39	2·65	+0·74	+ 28
15. N.-W. Frontier Province.	6·2	3·4	2·62	1·76	+0·86	+ 49
16. Baluchistan	2·6	3·2	1·08	1·16	−0·08	− 7
17. Sind	0·7	0·4	0·21	0·16	+0·05	+ 31
18. Rajputana, West	0·8	0·2	0·26	0·07	+0·19	+ 271
19. Do., East	1·2	0·5	0·42	0·19	+0·23	+ 121
20. Gujarat	0	0·1	0·01	0·02	−0·01	− 50
21. Central India, West.	0·2	0·3	0·04	0·11	−0·07	− 64
22. Central India, East.	0·7	0·7	0·20	0·30	−0·10	− 33
23. Berar	0·1	0·7	0·04	0·32	−0·28	− 88
24. Central Provinces, West.	0·1	0·8	0·07	0·36	−0·29	− 81
25. Central Provinces, East.	1·7	1·3	0·83	0·64	+0·19	+ 30
26. Konkon	0·1	0·1	0·02	0·06	−0·04	− 66
27. Bombay, Deccan	0·2	0·4	0·08	0·19	−0·11	− 58
28. Hyderabad, North.	0·5	0·8	0·12	0·34	−0·22	− 65
29. Hyderabad, South.	1·4	0·8	0·69	0·49	+0·20	+ 41
30. Mysore	1·1	0·6	0·45	0·32	+0·13	+ 41
31. Malabar	1·2	1·0	0·83	0·57	+0·26	+ 46
32. Madras, South East.	1·3	0·7	0·80	0·45	+0·35	+ 78
33. Madras, Deccan	0·4	0·2	0·16	0·16	0	0
34. Madras Coast, North.	2·3	0·8	1·54	0·42	+1·12	+ 267

Division.	Rainfall.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	Inches.	Inches.	Inches.	
Burma	1·38	0·24	+1·14	+475
Eastern Bengal and Assam	3·25	3·16	+0·09	+3
Bengal	2·65	0·77	+1·88	+244
United Provinces of Agra and Oudh.	0·81	0·39	+0·42	+108
Punjab	1·66	0·69	+0·97	+141
North-West Frontier Province	2·62	1·76	+0·86	+49
Sind	0·21	0·16	+0·05	+31
Rajputana	0·38	0·16	+0·22	+138
Bombay	0·05	0·11	−0·06	−55
Central India	0·10	0·18	−0·08	−44
Central Provinces	0·22	0·40	−0·18	−45
Hyderabad	0·43	0·42	+0·01	+2
Mysore	0·45	0·32	+0·13	+41
Madras	0·95	0·42	+0·53	+126
Mean of India, when the size of the above areas is taken into account.	1·08	0·58	+0·50	+86

Snowfall.

I.—AFGHANISTAN.

15. Snow fell in Kabul on six days and rain on four days. The total precipitation during the month was equivalent to 5·13 inches of rain. Fairly heavy snow is said to have fallen on the mountains surrounding Kabul as well as on the Ghazni and Hazara hills. The plain of Kabul was free of snow at the end of the month.

II.—NORTH-WEST FRONTIER PROVINCE.

There were in all fourteen falls of snow on the hills surrounding the valley of Kurram and on the Sufed Koh. The snowline descended as low as Parachinar on the 11th, 15th and 21st and eight miles down the valley on one occasion. At the close of the month the accumulation on the Sufed Koh was estimated at 11 feet and all the passes were blocked.

Several falls occurred on the hills bordering the Kohat district. The total fall measured 2½ feet in depth on the Samana range.

III.—KASHMIR.

There were altogether four light falls in Leh which were said to have extended down the valley to a distance of 30 miles. The total fall was well above the small normal of the month. At the close of the month there were six to eight inches of snow in the open fields around Leh.

IV.—PUNJAB.

(*a*) *Murree.*—Snow fell on two days at Murree and on one occasion on the hills near Kahuta; the total fall amounted to 21 inches in the former and six inches in the latter locality.

(*b*) *Chamba.*—Snowstorms occurred at most of the recording stations on the 10th, 11th, 21st and 28th, while local falls were reported on the 2nd, 5th, 6th, 9th, 15th, 17th, 18th, 20th, 22nd to the 24th and the 26th. The fall of the 11th is said to have descended unusually low. The statement below shows the total amount of snow received during the month as well as the actual and average depth of accumulation on the last day of the month.

Recording Station.	Total amount of snowfall during month.		Depth of accumulation at the end of the month.		
			Actual.		Normal.
	Ft.	Inches.	Ft.	Inches.	Ft.
Kalatope	12	2	5	4	4
Kainthli	3	0	0	6	½
Surkhigalli	0	10			
Bakloh	0	2			
Barmaur	14	4	5	6	3
Ulansa	6	11	2	5	2½
Chitrari	1	9			
Darkund	1	9	0	3	3
Bakani	0	10½			
Sao	0	7			
Langera	6	3	6	0	5
Bhent	3	9	3	0	4½
Bhandal	2	5			
Deur	1	3			
Alwas	4	7	3	0	3
Bara	4	3	2	0	2
Khangu	5	6	3	0	3
Chatri	2	5	1	6	2½
Tisa	1	0			

The Bathri, Chuari and Sach passes remained closed: snow measured 7 feet in thickness on the first two at the end of the month.

(*c*) *Dalhousie.*—Snow fell on four days to a total depth of 2½ feet. The fall is considered to have been much heavier in amount at Bakrata, Kalatope, Dainkund and Khijiar.

(*d*) *Kangra.*—Frequent falls occurred during the month. The snowline descended to 3,500 feet in the Kulu tahsil and 5,200 feet in the Saraj tahsil. In the opinion of the Assistant Commissioner the snowfall of the month is the heaviest on record for March during the past 25 years with the possible exception of 1904.

Kulu Tahsil.			Saraj Tahsil.		
Pass.	Depth of accumulation at the end of the month.		Pass.	Depth of accumulation at the end of the month.	
	Actual.	Normal.		Actual.	Normal.
	Ft.	Ft.		Ft.	Ft.
Rohtang	21	16½	Sirikhand	27	17
Hamta	25	14½	Chul	14	7
Barsai	9	6½	Maghin	13	6½
Chandarkhani	18	10	Dundku	12	7
Boja Dhar	12	7	Tikkar	9	6
Lohri Achhri	13	8½	Ramgarh	7	3
Sari	19	10	Nuhnon	4	3
Bhubu	15	6	Raghopur	9	6½
Bastari	6	5	Jalori	9	6
Majhang	8	2	Lambri	3	5
			Sakiran	13	6½
			Gargarasan	11	10
			Supakun	8	7
			Bashles	11	7
			Placha	15	9
			Tirath	17	10

All the passes with the exception of the Dulchi remained closed at the end of the month.

(*e*) *Kailang.*—A total of 3⅜ feet fell on ten days.

(*f*) *Poo.*—Snow fell on 13 days to a total depth of 2½ feet. The fall is regarded to have been the heaviest known in March for years.

(*g*) *Kilba.*—Snow fell on nine days chiefly towards the end of the month. The lowest elevation reached was 5,750 feet.

Pass.	Depth of accumulation at the end of the month.	
	Actual.	Normal.
	Ft.	Ft.
Rupin	12	15½
Brua	12	15½
Harang	6	6½
Shatul	12	14
Buldar	13	17½
Runang	12	10½

Photographs made from Simla appear to show that in spite of the above figures the quantity of snow was in excess of the average.

All the passes were closed.

V. UNITED PROVINCES.

(1) *Garhwal.*—Intermittent falls occurred during the month, those of the 11th, 12th, 16th, 17th, 20th and 21st being heavy. The snowline descended to about 5,500 feet on the 21st.

(2) *Almora.*—There were frequent snowstorms, the total fall was reported as amounting to 15¾ feet in Malla Johar, 10½ feet in Malla Danpur, 20¼ feet in Chandas, 35¼ in Malla Darma and 30 feet in Byans. Snow to a depth of several inches is reported to have fallen down to an elevation of 6,000 feet towards the end of the month. Temperature was unusually low and the crops backward.

	Depth of accumulation at the end of the month.	
	Actual.	Normal.
Untaptta Dhura	45 Feet.	16½
Ralam „	36 „	12½
Milam „	27 „	9½
Pindari Peak	11½ „	4½
Kaphini „	11½ „	4½
Kantela „	11½ „	4½
Binkaru Pass	89 „	27½
Nuwe „	37 „	32
Lipu Lekh „	28 „	22½
Lampia „	30 „	22½

VI—ASSAM.

Darrang.—The total fall of the period first April 1906 to the 31st March 1907 was probably normal in amount.

Hills north of Lakhimpur.—The snowfall during the year 1906-07 is said to have been less than the normal.

Hills northeast and west of Sadiya.—Heavy snow fell from January 30th to February 5th; the falls descended to an elevation of about 4,500 feet on the ranges to the east of the Dihong river. After this disturbed period the snowline retreated to 9,000 feet on the hills round Sadiya. According to hill men the snowfall was on the whole heavier than usual, though the Assistant Political Officer does not regard this source of information as reliable.

SUMMARY OF THE PRECEDING INFORMATION.

16. (*a*) Light to heavy snow fell in Kabul, and on the surrounding hills during the first fortnight of the month. The plain of Kabul was however free of snow at the end of the month.

(*b*) In Kurram and the hills bordering Kohat snow storms were of frequent occurrence. On three occasions snow fell as low as Parachinar and on one occasion even lower. At the end of the month there was an accumulation of about 11 feet on the Sufed Koh: the normal depth of accumulation there perhaps does not exceed 9 feet.

(*c*) The snowfall was heavier than usual in Leh and Kailang.

(*d*) The fall was on the whole considerably heavier than usual in the Punjab Himalayas, particularly in Kulu, where according to the statement of the Assistant Commissioner it exceeded any previously on record for March during the past 25 years: snow is said to have fallen down to 3,500 feet on the passes in the Kulu tahsil.

(*e*) In Almora the weather was unusually disturbed and the snowfall heavier than usual. Snow is reported to have descended to 5,500 feet in Garhwal. The accumulations at the close of the month in Almora were greatly above normal.

(*f*) The information relating to the Assam Himalayas is very imperfect, but tends to show that snowfall during the winter (up to March) was normal in Darrang, less than usual in the hills to the north of Lakhimpur and excessive on the ranges to the north and east of Sadiya.

Crop report.

17. *Burma.*—The standing crops in Upper Burma were in good condition but in the Arakan hill tracts about one-third of the tobacco crop was reported to have been destroyed by hailstorms. The price of paddy rose largely in parts of the province.

Eastern Bengal and Assam.—The plucking and manufacture of tea and the sowing of jute and rice were in progress, and the harvesting of spring crops and the pressing of sugarcane were nearly finished. The prospects of tea and of transplanted rice and other standing crops was fair to good.

Bengal.—The pressing of sugarcane was nearly over, and lands were being prepared for next season's crops. The harvesting of spring crops was well advanced but some damage had been caused by rain and hail.

United Provinces.—Harvesting was in progress and the sowing of extra crops. Pressing and sowing of sugarcane and extraction of opium were nearing completion. Damage to wheat from wind was reported to be widespread in Bareilly and some injury was caused by rain, hail and rust.

Punjab.—Harvesting of spring crops was in progress and the sowings of extra spring crops and in some districts of autumn crops were being made. Prospects were generally good but some damage had been caused by heavy rain, hail and locusts.

North-West Frontier Province.—The standing crops were in good condition except gram which was withering; some damage had also been caused by hail. Sowings of extra spring crops were in progress.

Jammu and Kashmir.—Land was being prepared for autumn sowings. The condition of the standing crops was good and fodder was sufficient except in the Kishtwar tahsil.

Rajputana.—Harvesting had commenced and extra spring sowings were in progress. Slight damage was reported from hailstorms.

Central India.—The standing crops and probable outturn were good but there had been some slight damage by hail.

Central Provinces.—Prospects were generally good but some damage had been done by hail, rain and cloudy

weather. Harvesting, threshing and winnowing of spring crops and the preparation of land for the next autumn crops were in progress.

Bombay.—The harvesting of spring crops, cotton picking and the preparation of land for next season were in progress. The standing crops were in good condition except for slight damage caused by rain, blight, insects and rats.

Hyderabad.—The spring harvest was nearly completed, late rice was being weeded, the crop being in fair to good condition, and lands were being prepared for monsoon sowings.

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

Coorg.—Water and fodder were sufficient and prices of foodgrains were normal.

Madras.—Ploughing, sowing, weeding and transplanting were in progress. The standing crops were generally fair but cotton was damaged in parts of Kistna and some crops were withering in parts of Madura. Harvesting was carried on with varying outturn.

J. PATTERSON.

TABLE A.—Abstract of observations taken at 10 hrs. and 16 hrs., at 36 stations in India, etc., in March, 1907.

Table

Abstract of observations taken at 10 hrs. and 16 hrs., at 36

Number of sub-division	Station.	Elevation of barometer cistern above sea-level, in feet.	Pressure.						Temperature of Air.										Temperature, Wet-bulb.			
			Mean of 10 hrs.	Mean of 16 hrs.	Mean daily range.	Mean of daily mean pressures.	Departure from normal.	Mean reduced to S. L. and gravity, 45° Lat.	Mean maximum.	Mean minimum.	Mean daily range.	Highest maximum.	Lowest minimum.	Absolute range.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of three previous columns.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	I.—Burma.																					
2	Rangoon . .	36	29·955	29·813	·142	29·883	+·021	29·856	91·6	72·2	19·4	97·1	67·1	30·0	82·4	89·4	79·2	— 2·0	70·0	73·8	75·1	73·0
	III.—Bengal.																					
6	Calcutta . .	21	·977	·845	·132	·905	+·049	·872	87·4	67·5	20·2	93·7	53·0	35·7	79·8	85·7	76·7	— 2·6	64·5	70·0	69·9	68·1
	IV.—United Provinces of Agra and Oudh.																					
10	Allahabad . .	309	·654	·527	·127	·581	+·033	·847	87·5	59·6	27·9	95·6	53·9	41·7	78·5	85·9	72·7	— 4·1	54·9	61·9	62·2	59·7
11	Dehra Dun . .	2,232	27·710	27·627	·083	27·661	+·033	·907	71·8	50·8	21·0	81·2	44·2	37·0	63·8	68·3	60·9	—6·1	47·9	55·3	56·3	53·2
	V.—Punjab.																					
12	Lahore . .	702	29·251	29·171	·080	29·205	+·038	·898	75·8	53·3	22·5	85·7	48·9	36·8	66·5	74·0	63·8	— 5·2	50·9	58·2	60·4	56·5
	VIII.—Rajputana.																					
19	Jaipur . .	1,431	28·535	28·425	·110	28·472	+·019	·875	84·6	60·0	24·6	93·2	51·3	41·9	74·8	82·9	71·9	— 3·0	51·4	57·8	58·8	56·0
	Udaipur . .	1,925?	·048	27·925	·123	27·981		·851	87·4	58·4	29·0	92·9	51·6	41·3	78·3	86·3	73·2		51·2	61·0	64·0	58·7
	IX.—Bombay.																					
26	Bombay . .	37	29·954	29·833	·121	29·890	+·013	·867	86·6	73·9	12·7	90·4	70·7	19·7	80·7	82·8	78·6	+ 0·6	68·9	72·2	74·2	71·8
	XI.—Central Provinces.																					
24	Buldana . .	2,132	27·850	27·717	·133	27·776	—·009	·818	91·6	68·3	23·3	96·0	61·3	34·7	82·5	90·4	79·3	— 1·9	53·5†	60·6	62·7	58·9
	Nagpur . .	1,017	28·938	28·779	·159	28·854	+·020	·820	95·6	64·9	30·7	100·1	58·1	42·0	83·7	93·5	79·5	— 2·9	56·1	64·8	66·8	62·6
	XII.—Hyderabad.																					
29	Hyderabad .	1,690	·277	·138	·139	·204	+·009	·814	95·1	70·2	24·9	98·6	66·2	32·4	84·5	92·7	82·0	— 1·1	62·0	68·2	68·6	66·3
	XIII.—Mysore.																					
30	Bangalore . .	3,021	26·998	26·865	·133	26·932	0	·799	90·7	64·9	25·8	93·8	58·9	34·9	81·4	88·2	76·8	+ 0·1	60·3	66·2	65·2	63·9
	Mysore . .	2,518	27·485	27·339	·146	27·412	+·005	·807	93·1	67·6	25·5	95·9	62·9	33·0	81·8	91·2	79·4	0	62·1	66·7	65·8	64·9
	XIV.—Madras.																					
32	Periyakulam .	944	29·026	28·866	·160	28·946		·815	95·3	69·5	25·8	99·4	60·0	39·4	84·4	92·6	82·4		66·0	72·8	72·5	70·5
	Pudukkottai .	318	29·667	29·511	·156	29·589		·835	96·4	73·5	22·9	100·9	65·2	35·7	86·4	92·9	85·0		70·6	74·2	74·2	73·0
	Madras . .	22	·971	·847	·124	·909	+·004	·862	89·7	73·4	16·3	95·1	66·2	28·9	86·0	85·5	80·0	+ 0·5	72·4	76·5	76·9	75·3
	Station in the Bay.																					
1	Port Blair . .	61	29·930	29·820	·110	29·874	+·010	·866	87·4	75·9	11·5	91·0	73·4	17·6	83·4	85·3	80·1	—2·2	73·2	77·3	77·5	76·0
	Kashmir.																					
14	Srinagar . .	5,204	24·917	24·844	·073	24·876	—·028	24·847	52·0	35·5	16·5	64·1	30·9	33·2	43·1	49·5	42·6	— 2·5	33·8	40·4	46·3	40·2
	Leh . . .	11,503	19·610	19·538	·072	19·572	—·086	19·540	35·8	16·2	19·6	40·3	8·9	31·4	27·7	32·6	24·8	— 6·1	14·2	23·2	25·9	21·1
	Baluchistan.																					
16	Quetta . .	5,502	24·654	24·576	·078	24·608	—·019	24·568	62·6	38·2	24·4	74·7	29·0	45·7	54·9	59·5	50·8	— 1·8	34·6	43·8	45·6	41·3

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

† Mean of 30 days.

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

A.

stations in India, etc., in March, 1907.

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								Mean wind direction.	Normal mean wind direction of month.								
From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean 10 hrs.	Mean 16 hrs.	Mean of two previous columns.	Departure from normal.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.			Average percentage.	Normal percentage.	Mean velocity in miles per diem.	Normal.	Total rainfall for the month.	Heaviest rainfall during the month.		
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
																									%	%					I.—Burma.	
·708	·727	·686	·727	+·038	87	75	69	81	+ 2	4·8	5·5	5·2	+2·1		6	10	18	19	3		2	4	S 89° E	N 63° E	55	66	114°	101	4·46	2·32	Rangoon	2
																															III.—Bengal.	
·575	·611	·525	·610	—·033	85	61	44	68	+ 1	3·8	3·8	3·8	+1·6		6	7	1	8	7	17	5	11	S 68° W	S 60° W	23	41	108	118	4·02	2·75	Calcutta	6
																															IV.—United Provinces of Agra and Oudh.	
·272	·336	·252	·331	—·027	73	36	21	47	+ 5	2·4	3·6	3·0	+0·8	5	4	9	10	4	1	4	10	15	N 17° W	N 63° W	24	41	85°	122	·020	0·20	Allahabad	10
·303	·238	·311	·320	+·029	81	58	46	63	+16	4·0	4·8	4·4	+0·8	5	7	9	10	6	11	6	5	2	S 64° E	N 31° W	18	28	51	50	2·76	1·38	Dehra Dun††	11
																															V.—Punjab.	
·265	·360	·343	·368	+·008	85	59	43	64	+10	3·6	4·8	4·2	+0·7	10	11	6	4	4		1	9	17	N 25° W	N 12° W	42	81	74°	70	0·97	0·41	Lahore	12
																															VIII.—Rajputana.	
·277	·272	·199	·253	—·052	54	32	18	37	— 2	2·0	3·2	2·6	—0·5	1	8	5	10	5	3	6	9	15	N 38° E	N 30° W	21	60	129	108	0·36	0·23	Jaipur	19
·294	·327	·328	·306		59	34	26	39		0·8	1·5	1·2		15	6	5	5	3	1	7	14	6	N 66° W		23		104°		0·04	0·04	Udaipur	
																															IX.—Bombay.	
·643	·680	·736	·715	—·022	77	65	65	73	— 2	1·3	0·5	0·9	—0·4		9	3	4	1	2	1	12	25	N 35° W	N 36° W	56	46	223	262	0	0	Bombay	26
																															XI.—Central Provinces.	
·236†	·268	·232	·239	—·017	33†	24	16	24	— 6	0·4	1·1	0·8	—1·2	3	8	6	3	2	3	3	16	18	N 50° W	N 26° W	47	43	174°	178	0	0	Buldana.	24
·344	·387	·331	·350	+·004	56	34	21	38	+ 4	0·4	2·1	1·3	—1·1	5	9	13	6	2	6	14	5	2	N 10° E	N 6° E	3	12	86°	118	0·01	0·01	Nagpur.	
																															XII.—Hyderabad.	
·461	·494	·400	·453	—·007	62	42	26	44	0	1·5	3·0	2·3	+0·7	26	2	7	9	10	2	2	2	2	S 82° E	S 48° E	26	23	65°	101	0·85	0·50	Hyderabad.	29
																															XIII.—Mysore.	
·476	·473	·358	·445	—·002	77	44	21	51	+ 1	1·0	2·5	1·8			2	10	20	10	6	7	5	2	S 72° E	S 26° E	39	46	177°	118	1·25	0·32	Bangalore	30
·493	·474	·322	·439	+·002	73	43	22	48	+ 1	1·5	3·2	2·4	—0·2		5	13	14	12	6	4	5	3	S 87° E	N 88° E	35	37	177°	192	1·28	1·09	Mysore	
																															XIV.—Madras.	
·602	·657	·534	·597		82	55	36	58		2·4	4·6	3·5		7	1	3	6	28	5	5	5	2	S 37° E		48		71°		7·18	2·27	Periyakulam	32
·718	·682	·601	·667		86	54	39	60		4·6	4·3	4·5			4	17	7	16	4	9	1	3	S 80° E		24		212°		0·51	0·41	Pudukkottai ††	
·787	·789	·815	·821	+·019	95	63	67	79	+ 1	3·5	1·4	2·6	+0·4		1	8	18	27	4	4			S 64° E	S 44° E	72	81	157	149	0	0	Madras	
																															Station in the Bay.	
·786	·858	·840	·855	—·037	87	75	69	81	+ 2	4·8	5·5	5·2	+2·1		6	10	18	19	3		2	4	S 89° E	N 63° E	55	66	114°	101	4·46	2·32	Port Blair	1
																															Kashmir.	
·177	·225	·285	·216	—·039	84	80	79	81‡	0	7·1	7·3	7·2	+1·5	1	7	2		11	4	3	5	29	N 50° W	N 24° W	39	16	128°	115	4·10	0·95	Srinagar	14
·069	·091	·089	·086	—·016	74	60	48	63	+ 5	6·8	7·0	6·9	+0·4		4	10	6	1	21	12	8		S 8° W	S 45° W	31	23	51	48	0·59	0·31	Leh	
																															Baluchistan.	
·169	·177	·165	·168	—·040	73	42	34	51	— 5	2·9	4·2	3·6	—0·5	16	7	1	1	4	7	5	9	12	N 81° W	S 78° W	27	30	89°	96	2·50	1·18	Quetta	16

‡Mean of three previous columns. § Mean of 26 days. * Corrected. †† Wind observations less 1.
of hill or plateau stations, the elevations of which exceed 3,500 feet.

Table

Abstract of observations taken at 10 hrs. and 16 hrs., at 36

Number of sub-division.	Station.	Elevation of barometer cistern above sea-level, in feet.	Pressure. Mean of 10 hrs.	Mean of 16 hrs.	Mean daily range.	Mean of daily mean pressures.	Departure from normal.	Mean reduced to S. L., and gravity, 45° Lat.	Temperature of Air. Mean maximum.	Mean minimum.	Mean daily range.	Highest maximum.	Lowest minimum.	Absolute range.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Temperature, Wet-bulb. Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of three previous columns.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	Hill Stations, excluding Kashmir and Baluchistan.																					
	Simla	7,224	23·084	23·037	·047	23·054	−·051	23·016	49°0	37°2	11°8	59°2	25°4	23°8	44°9	46°0	42°4	−3°1	33°2	37°7	39°6	36°8
	Sarain		23·156	23·101	·055	23·119			43°3	30°6	17°7	62°3	20°9	41°4	44°0	42°9	39°8			37°1	37°8	
	Kalabagh								Observations not received													
	Chakrata	7,022	·279	·237	·042	·245	−·036	·205	52°4	35°8	16°6	64°0	26°5	37°5	45°0	45°4	44°4	−3°9	38°9	40°5	40°8	38°4
	Muktesar	7,556	22·872	22·812	·059	22·836	¶	22·793	51°0	35°7	15°3	63°3	25°9	37°6	44°2	46°6	43°7		38°1	38°8	40°6	37°5
	Katmandu	4,388	25·690	25·584	·106	25·634	+·023	25·589	69°6	43°7†	25°9	78°7	37°6	41°1	58°2	66°4	57°1†	−3°7	41°8	51°5	53°5	48°9
	Darjeeling	7,376	23·015	22·977	·028	22·993	−·001	22·984	53°1	39°1	14°0	61°4	33°6	27°8	48°4	51°1	46°5	−3°2	37°3 ††	45°1	48°0	43°5
	Pachmarhi	3,528	·518	·418	·100	·460	−·004	·407	81°6	57°0	24°6	87°7	47°8	39°9	74°0	80°3	69°6	−3°1	48°7	55°7	57°7†	54°0
	Mount Abu	3,945	26·107	26·027	·080	26·059	−·009	26·010	73°8	58°6	15°2	82°7	52°4	30°3	68°0	71°9	66°5	−3°4	51°6	55°5	58°1	55°0
	Chikalda	3,642	·408	·308	·100	·350	−·013	·294	83°9	42°4	21°5	89°1	56°3	32°8	76°1	81°4	73°5	−3°1	53°1	57°9	59°5	56°8
	Ootacamund	7,329	23·121	23·051	·070	23·080		23·017	68°5	48°1	20°4	72°1	43°3	28°8	64°4	63°9	58°6		43°8	52°7	53°9	50°1
	Kodaikanal	7,688	22·891	22·820	·071	22·856		22·791	68°4	51°0	17°4	72°0	46°0	26°0	63°0	61°1	59°7		44°6	52°3	53°5	50°1
	Dodabetta	8,539?	·111	·048	·063	·080		22·017	60°9	47°8	13°1	64°2	43°5	20°7	57°1	58°3	54°3			49°1	51°0	
	Extra India.																					
	Minicoy	7	29·992	29·911	·081	29·956		29·889	87°4			90°5			85°3	85°5				76°8	76°9	
	Zanzibar	72	·932	·804	·128	·872	+·012	·870	87°3	79°8	7°5	92°0	76°2	15°8	83°5	86°9	82°3	+0°8	74°8	77°7	78°1	76°9
	Diego Garcia								Observations not received.													
	Seychelles	15	·976	·883	·093	·935	¶ +·030	·873	85°1	77°9	7°2	86°7	75°5	11°2	82°6	84°0	80°5	¶ +1°6	73°0	76°4	76°9	75°4
	Mauritius	181				·784	+·007	29·910				86°5	67°3	19°2			77°1	−0°2				73°2

¶ Departures from old normals. †† Mean of 30 days.

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

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

A—*concluded.*

stations in India, etc., for March, 1907—concluded.

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
																									%	%					Hill Stations, excluding Kashmir and Baluchistan.	
·151	·154	·179	·159	−·015	70	54	59	62	+13	5·2	7·2	6·2	+1·2	2	19	1		3	28	3		6	S 23° W	S 33° W	14	4	155*	137	6·71	2·43	Simla.	
	·153	·177				56	66			5·8	6·6	6·2		25	2	4	1	2	22	4	1	1	S 2° E		31		60*		7·08	3·32	Sarain.	
													Register	not	rec	eive	d.													Kalabagh.	
·176	·208	·213	·197	+·008	84	70	70	76	+24	†4·2	5·4	4·8	+0·8	29	9	5		7	12				S 63° E	S 39° W	16	13	170*	170	8·62	5·09	Chakrata.	
·164	·183	·196	·179		79	66	65	71		5·5	6·8	6·2		22		5	6	2	1	5	20	1	S 83° W		22		154*		6·39	2·64	Muktesar.	
·244†	·310	·266	·271	−·030	85†	64	44	65	+ 4	3·5	4·0	3·8	+0·5	5		1	24	1			30	1	N 82° W	N 82° W	8	47	22	32	4·49	0·92	Katmandu.	
·205	·270	·308	·259	+·005	85	79	81	83	+ 8	6·2	7·0	6·6	+1·5	5		4		1		32	14	6	S 67° W	S 78° W	66	42	166*	180	4·75	1·36	Darjeeling.	
†† ·253	·236	·222†	·232	−·019	†† 56	28	22†	35	+ 1	0·7	1·5	1·1	−1·2		2	8	3	6	3	14	6	20	N 74° W	N 57° W	29	32	132*	120	0	0	Pachmarhi.	
·305	·300	·329	·306	+·095	62	45	42	49	+18	1·1	1·7	1·4	−0·9		9	17		4		13	9	10	N 33° W	N 81° W	31	38	183*	173	0·13	0·12	Mount Abu.	
·305	·271	·256	·272	0	54	30	24	36	+ 4	1·4	2·2	1·8	−0·5	16	9	3		1	5	12		16	N 64° W	N 51° W	31	27	166*	180	0	0	Chikalda.	
·245	·279	·313	·280		72	46	53	58		2·8	5·8	4·3			3	18	19	11	7		1	3	N 85° E		60		113*		2·60	1·15	Ootacamund.	
·239	·291	·340	·290		63	50	64	59		2·4	5·3	3·9			15	10	11	15	6			3	N 74° E		45		296*		1·79	0·56	Kodaikanal.‡	
	·270	·306				57	63			3·8	6·2	5·0			10	24	12	13	2			1	N 66° E		66		373*		3·85	1·09	Dodabetta.	
																															Extra India.	
	·808	·809				67	67			2·9	3·2	3·1			32	17	1					12	N 5° E		85		106*		0	0	Minicoy.	
·801	·876	·847	·872	−·045	78	76	66	76	− 5	5·2	4·1	4·7	−0·6		15	7	11	4	7	10	5	3	N 42° E	S 44° E	11	13	118*	130	4·04	2·27	Zanzibar.	
											Obs	erva	tions	not	rec	eive	d.													Diego Garcia.	
·752	·824	·832	·833	−·028	79	74	71	79	− 4	5·4	6·5	6·0	−0·7	15	16	5	2	2			8	14	N 21° W	N 17° W	48	39	108	118	1·99	0·70	Seychelles.	
			·744	−·003				80	0			6·6	+0·2										S 79° E	S 78° E			162	250	7·31	1·98	Mauritius.	

* Corrected. ‡ Wind variable.

†† Mean of 19 days.

G. I. C P. O.—No. 241 Meteo —25-3-08.—385.—W.H.D.R.

Table B.—Abstract of observations taken at 8 hrs. at 236 stations in India, etc., in March 1907.

(1) Provincial means.

(2) Data of stations.

(1) Provincial means based on the material in Table B (2) except that the statement of rainfall depends on the complete data of about 2,500 stations.

	Pressure departure from normal.	Temperature of air.								Wind.		Hygrometry.				Cloud.		Rainfall.		
		Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Absolute range during month	Departure of velocity from normal.	Departure of steadiness from normal.	Mean humidity.	Departure from normal.	Mean vapour tension.	Departure from normal.	Mean cloud amount.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.
Burma	+·024	91·3	—2·2	68·3	+0·5	79·9	—0·9	23·1	35·8	—0·5	—23	76	+ 3	·640	+·007	2·6	+0·5	1·38	0·24	+1·14
Eastern Bengal and Assam	+·058	82·7	—4·0	61·4	—2·1	72·1	—3·1	21·3	35·9	—1·2	+ 1	83	+ 3	·563	—·028	3·6	+0·3	3·25	3·16	+0·09
Bengal	+·044	86·5	—4·8	64·1	—2·4	75·3	—3·6	22·4	36·4	—0·6	—15	72	+ 7	·535	+·004	3·0	+0·7	2·65	0·77	+1·88
United Provinces of Agra and Oudh.	+·041	82·4	—6·9	56·9	—3·2	69·7	—5·0	25·5	39·7	—0·8	—22	66	+12	·390	+·023	2·7	+0·6	0·81	0·39	+0·42
Punjab	+·043	75·9	—8·1	53·6	—3·0	64·8	—5·6	22·4	35·6	+0·5	+ 2	72	+11	·366	+·004	3·7	+0·7	1·66	0·69	+0·97
North-West Frontier Province	+·029	72·4	—7·4	50·0	—3·7	61·3	—5·6	22·4	37·3	—1·1	—17	75	+ 7	·339	—·022	4·2	+0·2	2·62	1·76	+0·86
Sind	+·019	88·2	—1·9	63·6	+0·3	76·0	—0·8	24·6	42·6	—0·8	+14	55	0	·415	—·004	2·1	—0·4	0·21	0·16	+0·05
Rajputana	+·018	86·6	—4·7	60·1	—1·2	73·3	—3·0	26·5	40·8	+1·2	+14	48	+ 7	·314	+·014	1·8	—0·5	0·38	0·16	+0·22
Bombay	+·010	91·7	—0·7	67·4	—0·4	79·6	—0·6	24·3	36·2	—0·1	— 1	60	+ 3	·531	+·009	1·1	—0·5	0·05	0·11	—0·06
Central India	+·017	87·6	—4·3	59·5	—1·5	73·6	—2·9	28·2	41·2	—0·9	—13	47	+ 7	·339	+·019	2·5	+1·0	0·10	0·18	—0·08
Central Provinces	+·012	92·3	—3·2	63·6	—1·7	78·0	—2·5	28·7	41·5	+0·8	+ 4	45	+ 3	·360	+·005	0·9	—0·9	0·22	0·40	—0·18
Hyderabad	+·018	96·3	—1·4	70·4	0	83·4	—0·7	25·9	35·5	+0·7	+ 6	53	+ 8	·516	+·062	1·5	+0·4	0·43	0·42	+0·01
Mysore	+·008	92·1	—0·3	65·8	—0·3	79·0	—0·3	26·4	35·1	+0·4	— 2	62	— 2	·520	—·020	1·5	—0·1	0·45	0·32	+0·13
Madras	+·012	92·8	—0·5	74·0	+0·7	83·4	+0·1	18·9	29·0	+0·9	— 5	74	0	·763	+·009	2·9	+0·6	0·95	0·42	+0·53

Table

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

Number of sub-division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	I.—Burma.																						
2	Mergui	119	29·858	+ ·020	29·910	29·955	19th	29·742	14th	·213	80·0	90·1	−1·1	73·6	+1·7	81·9	+0·3	16·5	95·4	31st	69·4	7th	26·0
	Tavoy	19	29·983	+ ·029	29·934	30·085	19th	29·873	14th	·192	75·6	92·2	−1·1	71·5	+1·3	81·9	+0·1	20·7	95·0	2nd & 5th.	67·3	25th	27·7
	Moulmein	94	29·892	+ ·032	29·925	29·997	6th	29·781	14th	·216	77·2	92·5	−1·6	72·9	+0·2	82·7	−0·7	19·6	97·4	2nd	66·3	6th	31·1
	Rangoon	36	29·936	+ ·011	29·909	30·050	6th	29·815	14th	·234	75·0	92·1	−4·5	72·2	+1·1	82·2	−1·7	19·9	98·1	1st	67·3	22nd	30·8
	Bassein	27?	29·942	+ ·020	29·907	30·056	6th	29·818	13th	·238	75·2	92·1	−2·3	71·6	+1·1	81·9	−0·6	20·5	97·2	17th	66·4	24th	30·8
	Diamond Island	41	29·928	+ ·004	29·904	30·013	6th	29·810	13th & 14th.	·203	79·7	94·1	−1·5	76·0	+1·0	80·1	−0·2	8·1	87·4	17th	69·2	6th	18·2
	Toungoo	183	29·786	+ ·033	29·913	29·895	6th	29·661	13th	·234	75·1	94·5	−3·3	69·4	+0·9	82·0	−1·2	25·1	100·4	31st	61·6	22nd	38·8
	Akyab	20	29·945	,0	29·908	30·026	6th	29·833	13th	·193	71·5	88·1	−1·0	68·3*	−0·6	78·4*	−0·8	19·8	94·9	16th	60·6	2nd	34·3
3	Thayetmyo	121	29·850	+ ·043	29·914	29·959	6th	29·748	13th	·211	78·3	97·7	−2·1	67·6	+1·1	82·7	−0·5	30·1	104·5	29th, & 30th.	58·9	4th	45·6
	Minbu	*165*	29·774	+ ·020	29·885	29·854	6th	29·685	23rd	·169	75·8	96·5	−2·8	69·8	+0·5	83·2	−1·2	26·7	102·2	29th, 30th & 31st	60·0	4th	42·2
	Yamethin	657	29·258	+ ·002	29·875	29·329	5th	29·184	23rd	·145	75·5	95·5	−3·6	68·7	+0·6	82·1	−1·5	26·8	100·8	30th	60·2	22nd	40·6
	Mandalay	250	29·699	+ ·038	29·902	29·787	19th	29·584	13th	·203	76·1	97·0	−0·7	68·8	+0·9	82·9	+0·1	28·2	103·1	30th & 31st.	61·3	2nd & 3rd.	41·8
	Monywa	*280*	29·697		29·917	29·770	6th	29·611	13th	·159	73·6	94·9		68·2		81·6		26·7	102·8	30th	61·1	21st & 22nd.	41·7
	Lashio	*2,751*	27·152	+ ·017	27·098	27·226	6th	27·081	23rd	·145	63·1	84·2	−2·0	55·2	−0·5	69·7	−1·3	29·0	90·5	31st	49·0	2nd & 22nd.	41·5
	Bhamo	*381*	29·600	+ ·064	29·951	29·701	6th	29·491	23rd	·210	65·2	85·5	−3·5	58·2	−1·9	71·9	−2·7	27·3	93·4	30th	50·7	1st	42·7
	Myitkyina	458	29·501		29·923	29·613	6th	29·408	23rd	·205	65·5	84·4		60·4		72·4		24·0	93·7	30th	54·1	1st	39·6
	II.—Eastern Bengal and Assam.																						
4	Dibrugarh	353	29·648		29·978	29·794	5th	29·510	13th	·284	62·4	74·7		58·8		66·8		15·9	83·9	31st	52·4	21st	31·5
	Sibsagar	333	29·692	+ ·066	29·998	29·825	5th	29·561	13th	·264	62·7	75·2	−2·8	57·1	−2·9	66·2	−3·4	18·1	83·6	31st	51·2	1st	32·4
	Tezpur	252	29·740		29·962	29·859	5th	29·609	13th	·250	63·8	78·1		59·8		69·0		18·3	87·6	21st	55·0	6th & 21st	32·6
	Gauhati	195	29·806		29·966	29·908	19th	29·681	13th	·227	63·1	80·7		58·8		69·8		21·9	89·0	31st	53·1	21st	35·9
	Dhubri	115	29·853	+ ·053	29·929	29·937	19th	29·702	12th	·235	65·1	80·0	−6·5	60·8	−2·6	70·4	−4·6	19·2	90·2	31st	54·8	21st	35·4
	Silchar	104	29·894	+ ·037	29·955	29·998	20th	29·777	13th	·221	67·8	82·8	−3·2	62·3	−0·9	72·7	−2·1	20·5	89·5	31st	55·9	21st	33·6
5	Chittagong	87	29·902	+ ·037	29·940	30·001	19th	29·773	13th	·228	71·4	86·7	0	65·6	−2·0	76·2	−1·0	21·1	91·1	5 days	59·9	1st, 2nd & 3rd.	31·2
	Noakhali	43	29·938		29·928	30·027	19th	29·846	12th	·181	71·9	83·2		65·1		74·2		18·1	89·3	31st	56·9	1st	32·4
	Barisal	12	29·969	+ ·052	29·927	30·063	19th	29·847	13th	·216	73·9	86·3	−3·0	66·3	−2·9	76·3	−3·0	20·0	92·3	13th	56·7	1st	35·6
	Comilla	36	29·948		29·939	30·043	20th	29·827	13th	·216	71·4	87·7		61·6		76·2		23·1	93·3	11th	56·3	1st	37·0
	Narayanganj	26	29·961	+ ·060	29·936	30·071	19th	29·816	12th	·255	70·9	85·6	−4·4	65·9	−2·3	75·8	−3·4	19·7	93·0	31st	58·3	1st	34·7
	Faridpur	46	29·932		29·929	30·035	19th	29·808	12th	·232	70·3	85·9		63·1		74·5		22·8	91·8	11th & 12th.	55·0	21st	36·8
	Sirajganj	49	29·937		29·937	30·043	19th	29·793	12th	·250	68·1	85·6		62·2		73·9		23·4	93·3	10th, 11th, & 31st.	55·4	21st	36·9
	Mymensingh	63	29·926	+ ·057	29·941	30·021	19th	29·783	12th	·238	68·7	83·4	−3·5	63·0	−1·4	73·2	−2·5	20·4	90·2	31st	56·5	21st	33·7
	Bogra	75	29·893	+ ·064	29·922	29·991	19th	29·746	12th	·245	67·7	85·0	−5·2	61·8	−2·1	73·4	−3·7	23·2	93·2	9th	54·7	21st	38·5
	Rampur Boalia	70	29·901		29·923	30·004	19th	29·764	12th	·240	69·9	85·1		58·7		71·9		26·4	92·6	9th	52·1	1st	40·5
	Malda	72	29·888		29·914	30·005	16th	29·726	12th	·279	67·0	83·2		58·5		70·9		24·7	91·8	9th	51·8	14th & 31st.	40·0
	Dinajpur	123	29·851	+ ·079	29·935	29·951	19th	29·727	13th	·224	66·4 5	83·6 ††	−5·5	58·2	−3·1	70·9	−4·3	25·4	92·8	31st	52·9	4 days	39·9
	Rangpur	123	29·852		29·935	29·938	19th	29·670	12th	·268	66·5	82·5		59·4		70·8††		23·1	92·6	31st	52·6	21st	40·0

* Mean of 27 days.

†† „ 29 „

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

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

B.

stations in India, etc., in March, 1907.

Wind Direction. Number of winds from: Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind Velocity. Mean velocity in miles per hour.	Normal.	Departure from normal.	Wind steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st Dec. 1906 to 31st March 1907.	Normal rainfall for period.	Departure from normal of period, 1st Dec. 1906 to 31st March 1907.	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.
22	1	3		2	1		2		N 63° E	N 27° W	2·4	2·2	+0·2	7	−46	82	+ 1	·829	−·006	2·7	−0·7	7	4·70	+2·30	3·30	3·28	+0·02	6·70	6·30	+0·40	1·24	Mergui.*
31									*	N 34° W	1·4†	1·6	−0·2	*		87	+ 2	·773	+·002	3·3	+0·9	5	1·60	+3·40	2·61	1·24	+1·37	3·46	2·16	+1·30	1·02	Tavoy.
21	1	1	2	5			1		S 71° E	S 58° E	2·2	3·2	−1·1	17	−48	83	+ 3	·776	−·010	4·9	+3·0	4	0·60	+3·40	0·91	0·36	+0·55	1·05	1·02	+0·03	0·26	Moulmein.
11	3	5	2	1	3		4	2	N 11° E	S 64° W	4·1	4·5	−0·4	13	−55	86	+ 1	·745	+·009	3·4	+1·4	4	0·50	+3·50	3·34	0·20	+3·14	3·51	0·72	+2·79	1·44	Rangoon.
15	1	1	1	1	1	1	5	5	N 66° W	N 55° W	6·6§	5·6	+1·0	23	−45	88	+ 4	·772	−·006	2·4	+0·4	3	0	+3·00	3·18	0·01	+3·17	3·28	0·57	+2·71	1·57	Bassein.
	6	5	1	3				16	N 14° W	N 30° W	1·3	2·3	−1·0	66	−7	80	+11	·820	+·060	3·2	+0·4	5	0	+5·00	1·76	0·05	+1·71	1·78	1·03	+0·75	1·17	Diamond Island.
22	1			2	2	1		3	S 52° W	S 51° E	1·5	3·1	−1·6	3	−40	81	+ 7	·712	+·035	3·6	+1·5	4	0·30	+3·70	2·51	0·11	+2·40	4·22	0·51	+3·71	1·85	Toungoo.
7	7	12	5						N 41° E	N 32° E	5·2	3·7	+1.5	66	−9	86	+ 4	·668	−·034	1·7	−0·7	2	0·60	+1·40	1·13	0·52	+0·61	1·20	1·40	−0·20	0·96	Akyab.
6	1	1		1	5	3	6	8	N 78° W	S 68° W	9·8†	4·8	+5·0	40	+1	56	− 3	·554	+·003	1·6	+1·0	1	0·10	+0·90	0·35	0·03	+0·32	1·14	0·24	+0·90	0·35	Thayetmyo.
4			1	7	4	1	1	13	S 84° W	S 63° E	6·8	7·4	−0·6	17	−6	58	0	·520	−·007	1·1	+0·6	1	0·10	+0·90	0·83	0·04	+0·79	1·45	0·70	+0·75	0·83	Minbu.
19	2	1		1	5	1		2	S 17° W	S 38° E	4·5	4·6	−0·1	7	−44	66	+ 7	·587	+·051	1·6	+0·9	3	0·30	+2·70	2·49	0·21	+2·28	3·26	1·16	+2·10	1·55	Yamethin.
8	4	1			15	1		2	S 9° W	S 8° W	4·0	4·2	−0·2	23	+7	60	+ 6	·537	+·029	0·3	−1·0	1	0·40	+0·60	0·59	0·16	+0·43	0·74	0·55	+0·19	0·59	Mandalay.
10	1					1	3	16	N 52° W		2·5			62		64		·548		1·6		1	0·50	+0·50	0·11	0·29	−0·13	0·11	0·39	−0·28	0·11	Monywa.
17		5	3			4	1	1	N 56° E		4·2			7		70	− 2	·404	−·016	2·4	−2·3	2			0·76	0·58	+0·18	1·89	1·92	−0·03	0·39	Lashio.
18	1	12							N 42° E	N 3° W	1·6	3·3	−1·7	40	+11	83	+ 4	·512	−·008	4·0	+1·8	1	1·90	−0·90	1·92	0·66	+1·26	3·55	2·19	+1·36	1·75	Bhamo.
11	3	6	7	4					N 72° E		9·1‡			49		78		·490		4·0		4			1·25			2·60			0·33	Myitkyina.
																																II.—Eastern Bengal and Assam.
23	1	4	2		1				N 59° E		1·0			20		88		·491		7·5		10	10·00	0	4·67	5·34	−0·67	8·49	10·23	−1·74	1·42	Dibrugarh.
2	8	9	1		3	1	1	6	N 6° E	N 51° E	3·4	3·0	+0·4	49	−1	91	− 2	·512	−·044	3·6	−2·6	13	9·80	+3·20	5·68	5·11	+0·57	10·16	8·97	+1·19	1·32	Sibsagar.
13		5	13						N 78° E		2·4			56		86		·503		4·8		8	5·50	+2·50	2·20	2·68	−0·48	5·86	4·63	+1·23	0·47	Tezpur.
8	4	5	2	7	3	1	1		S 83° E		3·6			30		87		·506		4·2		9	5·40	+3·60	6·31	2·82	+3·49	8·04	4·43	+4·51	1·38	Gauhati.
2	1	4	18	2	2	2			S 87° E	N 72° E	6·5	6·3	+0·2	69	+22	85	+10	·530	+·006	4·3	+1·7	7	2·40	+4·60	3·63	1·88	+1·75	5·39	2·86	+2·53	1·05	Dhubri.
31									*	S 83° E	0·5	3·0	−2·5	*		84	+ 2	·576	−·011	3·2	−1·7	9	10·80	−1·80	6·28	8·61	−2·33	14·76	12·10	+2·66	2·06	Silchar.
	7	9	2	8	1			4	N 48° E	N 87° E	4·1	5·5	−1·4	19	−5	80	− 3	·620	−·071	2·8	−0·4	4	2·77	+1·23	1·48	2·74	−1·26	1·80	4·02	−2·22	0·55	Chittagong.
16	2	1	4	3	1	2	1	1	S 76° E		2·8			13		86		·673		3·2		8	3·26	+4·74	6·48	2·75	+3·73	8·17	4·57	+3·60	2·18	Noakhali.
14	2	5	2		2	3	1	2	N 18° E	S 18° W	1·9	3·7	−1·8	10	−3	83	− 2	·692	−·062	2·7	−1·2	7	3·03	+3·97	5·23	1·96	+3·27	6·34	4·27	+2·07	1·87	Barisal.
13		3	3	5	6			1	S 49° E		2·8			33		83		·644		2·7		7	3·93	+3·07	2·84	2·74	+0·10	2·94	4·47	−1·53	0·80	Comilla.
7	2	2	3	3	5	4		5	S 4° E	S 12° W	3·4	5·0	−1·6	10	−29	83	0	·629	−·068	1·1	−0·1	5	3·18	+1·82	2·92	2·75	+0·17	5·01	4·57	+0·44	1·14	Narayanganj.
12	3		1	4	7	1	1	1	S 8° E		2·7			23		82		·612		3·2		4	3·50	+0·50	4·21	2·30	+1·91	5·48	4·19	+1·29	1·83	Faridpur.
25	1		2	1	1		1		S 63° E		1·6			7		80		·551		2·2		4	2·20	+1·80	2·34	1·26	+1·08	2·57	2·75	−0·18	1·37	Sirajganj.
4	1	6	12	5	1	1	1		E	S 76° E	2·5	3·2	−0·7	58	−3	82	+ 1	·578	−·032	7·1	+3·5	5	3·52	+1·48	2·63	2·03	+0·60	2·87	3·61	−0·74	0·94	Mymensingh.
19		6	3	1		2			N 74° E	S 53° E	2·1	3·6	−1·5	22	−1	76	+ 2	·521	−·041	3·1	+0·7	6	1·74	+4·26	2·66	1·33	+1·33	3·00	2·77	+0·23	0·91	Bogra.
31									*		1·4			*		80		·588		2·3		5	1·68	+3·32	1·97	1·15	+0·82	2·68	2·40	+0·28	0·88	Rmpur Boalia.
5	3	5	1	4	3	4	1	5	N		4·0			5		75		·496		2·7		4	1·10	+2·90	2·69	0·82	+1·87	3·72	2·49	+1·23	1·49	Malda.
6	2	8	6	1	3	1	2		N 66° E	S 14° W	3·2	4·9	−1·7	33	+30	80	+14	·516	+·040	3·8	+1·9	5	1·19	+3·81	2·49	0·67	+1·82	2·68	1·59	+1·09	1·13	Dinajpur.
15	1	3	6		1	2	1		N 81° E		2·5			21		88		·592§		2·2		5	1·68	+3·32	2·84	1·16	+1·68	2·89	2·17	+0·72	1·04	Rangpur.‖

* Indeterminate. ‡ Mean of 20 days. † Uncorrected readings. § Mean of 30 days. ‖ Wind observations 2 less.

Table

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

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level in feet.	Pressure, 8 hrs., in inches.								Temperature of air.											
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8		10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	Jalpaiguri	284	29·697	+·070	29·952	29·779	19th	29·572	13th	·207	64·4	80·2	−4·6	59·0	−0·7	69·6	−2·7	21·2	88·9	30th, 31st	52·1	20th	36·8
	Cooch Behar	156	29·821		29·939	29·909	19th	29·675	12th	·234	65·2	80·9		60·0		70·5		20·9	89·3	30th, 31st	51·7	15th	37·6
	III.—Bengal.																						
6	Saugor Island	25	29·945	+·043	29·914	30·047	19th	29·827	12th	·220	75·8	86·2	−1·0	71·4	−3·6	78·8	−2·3	14·8	92·9	10th	64·0	18th, 19th	28·9
	Midnapore	149	29·817		29·916	29·932	16th	29·682	12th	·250	73·5	90·2		67·6		78·9		22·6	99·3	5th & 9th	60·6	1st	38·7
	Calcutta	21	29·951	+·046	29·918	30·063	19th	29·816	12th	·247	72·5	87·6	−3·2	67·4	−2·1	77·6	−2·7	20·2	93·6	10th	58·2	1st	35·4
	Jessore	33	29·935	+·044	29·916	30·044	19th	29·811	12th	·233	71·5	85·5	−6·9	64·7	−3·5	75·2	−5·2	20·8	93·0	11th	53·2	1st	39·8
	Krishnagar	47	29·918		29·916	30·023	19th	29·770	12th	·253	68·9	87·1		64·1		75·6		23·0	93·6	9th& 11th	53·9	1st	39·7
	Burdwan	99	29·870	+·048	29·921	29·968	19th	29·733	12th	·235	70·7	87·6	−6·1	66·1	−2·3	76·9	−4·2	21·5	95·4	9th	60·3	1st &2nd	35·1
	Bankura	213	29·646		29·919	29·766	19th	29·502	12th	·264	71·4	88·0		66·3		77·2		21·7	96·1	5th & 9th	60·1	1st	36·6
	Raniganj	334	29·642		29·942	29·751	16th	29·502	12th	·249	68·9	86·8		64·1		75·5		22·7	94·5	9th	58·1	1st	36·4
	Berhampore	67	29·903	+·056	29·922	30·013	16th	29·757	12th	·256	69·1	86·7	−6·0	63·7	−2·0	75·2	−4·0	23·0	94·8	9th	58·2	1st	36·6
	Naya Dumka	489	29·479†		29·946†	29·572	19th	29·335	12th	·237	68·9	85·7		62·6		74·2		23·1	94·5	9th	56·0	21st	38·5
7	Balasore	50	29·927	+·055	29·920	30·033	19th	29·792	12th	·241	74·5	89·8	−2·9	68·3	−0·8	79·3	−1·9	21·0	97·5	13th	62·2	1st	35·3
	False Point	21	29·957	+·041	29·920	30·057	20th	29·836	12th	·221	77·2	84·7	−2·8	70·4	−1·8	77·6	−2·2	14·3	88·1	21st	63·6	20th	29·5
	Cuttack	80	29·885	+·033	29·910	29·988	20th	29·756	12th	·232	75·4	93·8	−3·2	71·7	−0·8	82·8	−2·0	22·1	100·9	13th	66·2	5th	34·7
	Puri	24	29·957		29·920	30·053	19th& 20th	29·841	23rd	·212	78·3	85·7		73·6		79·7		12·1	88·6	29th	67·6	19th	21·0
	Angul	455	29·437		29·924	29·602	19th	29·357	12th	·245	73·2	91·5		68·1		79·8		23·4	98·1	27th	61·1	2nd & 6th.	37·0
	Sambalpur	486	29·460	+·018	29·905	29·572	20th	29·345	12th	·227	74·2	91·9	−4·8	67·0	−0·2	79·5	−2·6	24·9	96·6	12th & 28th.	58·7	2nd	37·9
8	Chaibassa	*760*	29·177	+·033	29·910	29·284	19th	29·053	12th	·231	70·1	90·1	−4·7	65·9	−1·1	78·0	−2·9	24·2	98·4	28th	57·2	1st	41·2
	Ranchi	2,128	27·909	+·033	29·938	27·917	19th	27·693	12th	·224	67·1	82·8	−4·8	61·2	−2·1	72·0	−3·5	21·6	89·7	28th	55·0	19th	34·7
	Purulia	*816*	29·123‡		29·914‡	29·220	19th	29·016	12th	·204	68·2	87·5		63·3		75·4		24·2	98·6	3rd	56·1	8th	42·5
	Hazaribagh	2,007	27·921	+·026	29·924	28·007	19th	27·795	22nd	·212	68·2	82·5	−6·1	60·7	−3·1	71·6	−4·6	21·8	89·7	8th &11th	54·2	19th	35·5
	Daltonganj	*730*	29·202		29·921	29·314	19th	29·031	22nd	·283	63·9§	87·3§		58·4§		73·2§		29·5	96·6	29th	52·5	6th	44·1
9	Purnea	123	29·848	+·070	29·923	29·951	16th	29·734	13th	·217	64·3	84·1	−5·8	57·0	−3·4	70·5	−4·6	27·1	92·7	20th&31st	51·7	1st & 21st.	41·0
	Bhagalpur	160	29·317		29·934	29·911	19th	29·709	13th	·202	70·1	84·5		60·6		72·6		23·9	93·2	30th	54·3	1st	38·9
	Monghyr	155									Observatory not opened.												
	Darbhanga	165	29·804	+·072	29·931	29·892	19th	29·698	13th	·194	64·6	82·9	−5·0	58·4	−4·5	70·7	−4·8	24·5	91·1	30th & 31st.	53·8	1st	37·3
	Pusa	166	29·801			29·887	19th	29·701	13th	·186	65·2			57·5							51·7	23rd	
	Muzaffarpur	177	29·789		29·930	29·880	19th	29·700	13th	·180	67·5	82·5		59·1		70·9		23·4	90·7	30th & 31st.	54·0	14th	36·7
	Motihari	224	29·732		29·926	29·828	19th	29·630	13th	·198	62·8	82·7		57·3†		70·1†		25·4	90·9	30th & 31st.	51·7	31st	39·2
	Chapra	181	29·776		29·919	29·886	19th	29·657	22nd	·229	?	?		?		?		?	?	?	?	?	?
	Patna	183	29·774	+·050	29·918	29·873	19th	29·677	22nd	·196	69·1	83·4	−7·5	61·6	−2·4	72·5	−5·0	21·8	91·5	30th	56·3	1st	35·2
	Arrah	190	29·774		29·925	29·882	19th	29·655	22nd	·227	67·0	84·4		59·6		72·0		24·8	91·4	29th & 30th.	55·1	1st & 19th.	36·3
	Buxar	239	29·703		29·908	29·807	19th	29·569	22nd	·238	66·6	85·1		60·7		72·9		24·4	93·0	29th & 30th.	55·9	1st	37·1
	Dehri	351	29·593		29·911	29·693	19th	29·440	22nd	·253	68·9	86·7		63·6		75·2		23·1	95·3	29th	58·1	1st, 14th & 18th.	36·2
	Gaya	375	29·574	+·035	29·917	29·664	19th	29·425	22nd	·229	68·5	86·5	−6·8	62·3	−3·8	74·4	−5·3	24·2	93·9	29th	56·2	1st	37·7
	IV.—United Provinces of Agra and Oudh.																						
10	Gorakhpur	257	29·687	+·060	29·912	29·790	19th	29·573	11th	·217	68·7	88·1	−7·4	58·6	−3·9	70·9	−5·7	24·5	91·2	30th	53·6	1st & 20th.	37·6
	Benares	267	29·678	+·035	29·910	29·788	19th	29·536	11th	·252	69·1	85·8	−7·0	59·6	−2·2	72·7	−4·6	26·2	93·1	29th	51·1	14th	42·0
	Allahabad	309	29·63³	+·028	29·908	29·748	19th	29·489	22nd	·259	69·0	87·2	−5·8	59·6	−2·5	73·4	−4·2	27·6	95·6	29th	54·0	14th	41·6

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

‡ Mean of 29 days.

§ Mean of 28 days.

† Mean of 30 days.

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

B—*continued.*

in India, etc., in March, 1907—continued.

Wind Direction.											Wind Velocity.			Wind Steadiness.		Hygrometry, 8 hrs.				Cloud.		Rainfall.									Station.
Number of winds from																															
Calms.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Mean velocity in miles per hour.	Normal.	Departure from normal.	Actual percentage.	Departure from normal.	Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Mean cloud amount at 8 hrs.	Departure from normal.	Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st Dec. 1906 to 31st Mar. 1907.	Normal rainfall for period.	Departure from normal of period, 1st Dec. 1906 to 31st Mar. 1907.	Heaviest rainfall during month.	
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
11	3	6	7	2				2	N 58° E	N 75° E	2·4			43	+ 2	83	+ 8	·503	0	3·0	+1·1	5	2·10	+2·90	2·19	1·23	+ 0·96	2·94	2·22	+ 0·72	0·50	Jalpaiguri.
12		1	17	1					E		2·1			59		80		·500		3·5		5	2·41	+ 2·59	2·41	1·66	+ 0·75	3·09	2·59	+ 0·50	0·93	Cooch Behar.
																																III.—Bengal.
	7	7		1	6	7	2	1	N 63° W	S 49° W	12·2*	13·1	−0·9	7	−32	85	+ 2	·757	−·054	4·1	−0·2	4	1·81	+ 2·19	6·38	1·33	+ 5·05	8·30	2·99	+ 5·31	4·95	Saugor Island.
3	9	3	1	1	9	3		2	N 19° E		4·2			3		71		·564		2·8		7	2·59	+ 4·41	2·50	1·67	+ 0·83	3·01	3·51	− 0·50	0·82	Midnapore.
1		3	4	6	3	8	2	4	S 1° W	S 42° W	4·5*	4·9	−0·4	25	−22	82	+ 1	·667	−·039	3·5	+0·6	5	2·00	+ 3·00	4·02	1·19	+ 2·83	4·11	2·73	+ 1·38	2·75	Calcutta.
17	2	1	2	4	3		1	1	S 63° E	S 32° W	1·5	2·9	−1·4	13	−16	81	+ 1	·627	−·074	4·0	+0·2	7	3·13	+ 3·87	6·53	1·93	+ 4·60	7·16	3·73	+ 3·43	2·73	Jessore.
9	3	2	1	2	4	4	4	2	S 63° W		2·6			13		81		·579		4·2		5	1·97	+ 3·03	5·41	1·11	+ 4·30	6·63	2·74	+ 3·89	2·81	Krishnagar.
8	5	2	1		3	5		7	N 50° W	S 58° W	2·4	3·1	−0·7	20	−17	74	+10	·559	+·006	3·7	+0·9	6	2·16	+ 3·84	2·80	1·34	+ 1·46	3·74	2·66	+ 1·08	0·87	Burdwan.
22		1		2		3	3		S 45° W		2·7			13		69		·519		2·5		5	1·76	+ 3·24	3·65	1·30	+ 2·35	5·24	2·80	+ 2·44	1·38	Bankura.
30	1								N		0·9			3		74		·530		2·2		6	1·48	+ 4·52	3·92	0·76	+ 3·16	5·14	2·32	+ 2·82	1·18	Raniganj.
2	3		5	5	9	3	1	2	S 22° E	S 42° W	2·7	3·3	−0·6	37	− 6	74	+ 2	·538	−·028	3·2	+0·5	4	1·73	+ 2·27	0·94	0·97	− 0·03	1·69	2·46	− 0·77	0·46	Berhampore.
29	1		1						N 45° E		1·5			3		69		·489		2·2		6	1·41	+ 4·59	3·25	0·81	+ 2·44	4·53	2·26	+ 2·27	1·00	Naya Dumka.
1	6	3			4	10	3	4	S 89° W	S 61° W	4·2	5·8	−1·6	35	− 1	72	− 7	·621	−·089	3·5	−0·1	6	2·87	+ 3·13	3·08	1·82	+ 1·26	4·79	3·47	+ 1·32	1·00	Balasore.
3	4	4	1		1	12	4	2	S 84° W	S 70° W	9·3	10·8	−1·5	33	−21	82	− 4	·769	−·059	4·4	+0·2	2	1·48	+ 0·52	4·00	1·15	+ 2·85	6·31	3·25	+ 3·06	3·50	False Point.
15	1	4	2	1	2	5	1		S 27° E	S 50° W	2·8*	3·2	−0·5	7	−22	82	+ 4	·728	+·014	4·3	+1·4	1	1·77	− 0·77	1·85	1·23	+ 0·62	2·35	2·12	+ 0·23	1·82	Cuttack.
6	2	6				15	1	1	S 63° W		14·5†			30		79		·776		3·3		2	1·05	+ 0·95	1·35	0·65	+ 0·70	1·43	2·55	− 1·07	0·97	Puri.
3	4	6	2	4	1	1	2	8	N 6° E		6·0			30		76		·624		3·5		6			3·20			6·13			1·68	Angul.
	2	5	9	8	6	1			S 69° E	N 46° E	4·3	3·1	+1·2	59	+13	60	+ 5	·515	+·033	2·4	+0·6	5	1·80	+ 3·20	2·39	1·07	+ 1·32	4·12	2·10	+ 2·02	0·94	Sambalpur.
22	1	2	1		1	2	2		W	S 69° W	?	1·7	?	3	−48	72	+15	·528	+·067	2·3	+0·4	3	2·19	+ 0·81	2·27	1·05	+ 1·22	4·15	2·55	+ 1·60	1·13	Chaibassa.
3	3		1	2	4	2	6	10	N 76° W	N 86° W	7·7	6·5	+1·2	40	− 3	57	+12	·377	+·061	2·5	+0·9	3	2·58	+ 0·42	4·74	1·37	+ 3·37	7·07	3·11	+ 3·96	2·15	Ranchi.
5	1	2	1	2	3	2	10	5	N 89° W		3·6			36		72		·503		3·0		5	2·17	+ 2·83	3·79	1·01	+ 2·78	5·27	2·65	+ 2·62	1·55	Purulia.
	2		3	2	6	9	5	4	S 48° W	S 86° W	7·0	8·1	−1·1	46	− 6	58	+17	·389	+·075	3·0	+0·7	5	1·81	+ 3·19	3·25	0·80	+ 2·55	8·03	2·24	+ 5·79	1·22	Hazaribagh.
18	1	2	6	2	1	1			S 33° E		3·3			27		79§		·474		2·2		4	1·67	+ 2·33	1·25	0·63	+ 0·70	5·43	2·21	+ 3·22	0·46	Daltenganj.
5		6	3		1	8	1	7	N 53° W	N 45° E	2·1	4·0	−1·8	17	+13	78	+ 9	·469	−·003	3·1	+1·7	5	0·83	+ 4·17	1·94	0·44	+ 1·50	2·38	1·57	+ 0·81	0·73	Purnea.
12	1	6	1	1	2	6	2		S 13° W		2·6			5	−21	62		·446		3·6		5	0·84	+ 4·16	1·89	0·44	+ 1·45	3·66	1·74	+ 1·92	0·52	Bhagalpur.
																Observatory not opened.															Monghyr.
28		2	1			1	1		N 45° E	S 82° W	1·3	4·5	−3·2	3		81	+20	·493	+·054	2·3	+1·0	7	0·83	+ 6·17	1·71	0·46	+ 1·25	2·73	1·66	+ 1·07	0·81	Darbhanga.
12		3	6	1	2	1	4	1	S 72° E					10		73		·455		3·6		6			1·77			2·99			0·78	Pusa.
7		2	6	6	1	3	4	2	S 39° E		3·7			23		73		·486		1·9		4	0·97	+ 3·03	1·66	0·43	+ 1·23	3·21	1·76	+ 1·45	0·78	Muzaffarpur.
17		3	4	1	1	1	2	2	N 72° E		3·4			10		78		·443		2·7		4	0·77	+ 3·23	2·28	0·49	+ 1·79	3·57	1·59	+ 1·98	1·56	Motihari.
			14		2				S 82° E		?			14		?		?		1·1		3	0·71	+ 2·29	0·75	0·38	+ 0·37	3·29	1·70	+ 1·59	0·26	Chapra. ¶
	2	3	6	1	4	9	5	1	S 27° W	S 63° E	5·5	3·9	+1·6	23	− 6	63	+13	·450	+·053	2·3	+0·5	5	0·74	+ 4·26	1·38	0·39	+ 0·99	4·22	1·65	+ 2·57	0·37	Patna.
10	1	5		7	2	5		1	S 39° E		2·7			23		66		·436		1·1		4	0·81	+ 3·19	1·25	0·47	+ 0·78	4·66	2·09	+ 2·57	0·52	Arrah.
4	1	1	7	4	6	6	2		S 20° E		4·9			40		62		·402		2·9		4	0·87	+ 3·13	1·71	0·28	+ 1·43	6·75	1·78	+ 4·97	1·12	Buxar.
4	1		5	1	5	10	4	1	S 29° W		4·6			43		59		·415		2·7		2	1·00	+ 1·00	1·34	0·53	+ 0·81	5·51	1·96	+ 3·55	1·03	Dheri.
9	2	4	3	1	4	1	7		S 45° W	S 37° W	4·4	4·2	+ ·2	2	−37	69	+16	·482	+·044	3·3	+1·2	4	1·03	+ 2·97	0·82	0·55	+ 0·27	4·50	1·94	+ 2·56	0·40	Gaya.
																																IV.—United Provinces of Agra and Oudh.
12	1	5	3	3	1	2	2	2	N 69° E	N 72° W	1·8*	3·2	−1·4	13	−23	61	+ 4	·339	−·013	2·9	+1·3	3	0·70	+ 2·30	1·92	0·73	+ 1·59	3·73	1·72	+ 1·61	0·85	Gorakhpur.
8	1	1	4	7	2	2	4	2	S 28° E	S 54° W	3·4	4·7	−1·3	10	−27	61	+ 3	·428	+·006	1·8	−0·2	2	0·80	+ 1·20	0·66	0·25	+ 0·41	7·52	1·59	+ 5·93	0·41	Benares.
4		3	5	4	3	1	6	5	S 18° W	S 85° W	3·1	5·1	−2·0	3	−36	54	+ 7	·383	+·014	2·2	+0·2	1	0·60	+ 0·40	0·20	0·26	− 0·06	3·59	1·73	+ 1·86	0·20	Allahabad.

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

§ Mean of 16 days. * Uncorrected readings. ¶ Wind observations 15 less.

Table

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

Number of sub division.	Station.	Elevation of bar-sisters 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
	Cawnpore	416	29·525	+·047	29·919	29·643	19th	29·341	11th	·302	65°5	86°2	−4·6	57°4	−3·0	71·8	−3·8	28·8	93°4	29th	50°6	20th	42·8
	Lucknow	368	29·579	+·050	29·925	29·700	19th	29·394	11th	·306	63·6	85°0	−6·5	56·8	−3·5	70·9	−5·0	28·2	92·5	27th	52·1	13th & 18th.	40·4
	Bahraich	401	29·524	+·048	29·902	29·643	19th	29·354	11th	·289	65·2	82·8	−6·2	57·4	−1·4	70·1	−3·8	25·4	90·1	28th	51·0	20th	39·1
11	Jhansi	858	29·093	+·016	29·910	29·226	19th	28·931	11th	·295	68·7	88°0	−5·1	63·1	−3·2	75·6	−4·2	24·9	96·7	27th	57·7	16th	39·0
	Agra	556	29·402	+·039	29·947	29·531	19th	29·199	11th	·332	64·8	82·8	−8·3	59·2	−3·5	71·0	−5·9	23·6	91·0	29th	53·0	17th	38·0
	Mainpuri	516	29·422	+·046	29·921	29·554	19th	29·219	11th	·335	63·3	83·9	−5·8	55·9	−2·8	69·9	−4·3	28·0	92·8	29th	50·3	18th	42·5
	Bareilly	568	29·350	+·036	29·912	29·472	19th	29·142	11th	·330	60·5	79·3	−8·2	54·7	−4·3	67·0	−6·3	24·6	88·3	28th	49·0	18th	39·3
	Meerut	738	29·190	+·040	29·932	29·292	19th	28·953	11th	·339	60·8	79·5	−7·1	54·0	−3·7	66·8	−5·4	25·5	89·1	27th	48·3	20th	40·8
	Roorkee	899	29·027	+·049	29·941	29·143	19th	28·828	11th	·315	59·4	75·8	−9·6	52·9	−3·2	64·4	−6·4	22·9	84·0	27th	45·7	20th	38·3
	Dehra Dun	2,233	27·690	+·039	29·966	27·771	30th	27·489	11th	·282	57·1	71·7	−8·0	51·0	−4·0	61·4	−6·0	20·7	79·0	31st	44·0	12th & 19th.	35·0
	V.—Punjab.																					
12	Delhi	718	29·231	+·051	29·949	29·332	30th	29·022	11th	·310	62·4	79·7	−7·7	58·4	−3·8	69·1	−5·8	21·3	86·7	27th & 29th.	53·7	23rd	33·0
	Sirsa	662	29·278	+·038	29·942	29·431	30th	29·015	11th	·416	60·6	81·1	−7·5	54·5	−2·7	67·8	−5·1	26·6	89·3	1st	49·6	29th	39·7
	Patiala	*818*	29·110		29·937	29·244	30th	28·868	11th	·376	60·5	75·8		54·1		65·0		21·7	82·4	28th	49·0	19th	33·4
	Ambala	892	29·023	+·042	29·932	29·129	19th	28·752	11th	·377	58·0	75·0	−8·9	53·0	−4·1	64·0	−6·5	22·0	80·5	3rd, 27th & 28th.	46·0	19th	34·5
	Ludhiana	812	29·114	+·039	29·941	29·253	30th	28·799	11th	·454	58·7	73·1	−11·3	54·6	−2·9	63·9	−7·1	18·5	80·0	25th	50·6	19th	29·4
	Lahore	702	29·229	+·032	29·944	29·373	30th	28·885	11th	·488	58·2	75·6	−9·5	52·8	−1·4	64·2	−5·5	22·8	83·4	26th	49·1	18th & 29th.	34·3
	Sialkot	830	29·116	+·055	29·962	29·245	30th	28·728	11th	·517	59·8	73·1	−8·6	52·4	−3·2	62·8	−5·9	20·7	80·5	26th	46·2	29th	34·3
	Rawalpindi	1,674	28·252	+·025	29·995	28·397	30th	27·780	11th	·607	53·9	67·1	−9·4	47·5	−3·2	57·3	−6·3	19·6	76·9	26th	42·1	22nd	34·8
13	Khushab	612	29·354	+·064	29·973	29·503	30th	28·966	11th	·537	59·7	74·8	−5·8	53·2	−3·6	64·0	−4·7	21·6	83·4	31st	44·5	22nd	38·9
	Montgomery	558	29·399	+·054	29·954	29·556	30th	29·056	11th	·500	62·1	79·3	−6·4	52·8	−3·1	66·1	−4·8	26·5	87·8	6th	47·0	8th	40·8
	Multan	420	29·538	+·030	29·948	29·711	30th	29·227	11th	·484	61·9	80·8	−5·7	56·1	−2·3	68·5	−4·0	24·7	87·8	6th & 26th.	48·9	12th	38·9
	VI.—North-West Frontier Province.																					
15	Peshawar	1,110	28·865	+·020	30·026	29·032	30th	28·480	11th	·552	54·2	68·0	−8·1	46·5	−3·4	58·3	−5·8	19·5	76·2	31st	43·4	28th	32·8
	D. I. Khan	590	29·394	+·037	29·968	29·536	30th	29·009	11th	·527	58·8	76·8	−6·7	51·5	−4·0	64·2	−5·4	25·3	85·3	26th	43·6	22nd	41·7
	VII.—Sind.																					
17	Jacobabad	186	29·769	+·029	29·925	29·933	30th	29·619	11th	·314	67·0	87·9	−3·2	60·0	+0·4	74·0	−1·4	27·9	94·6	26th	48·1	12th	46·5
	Hyderabad	96	29·863	+·016	29·916	29·868	30th	29·735	21st	·233	70·8	90·1	−3·0	64·0	−0·2	77·1	−1·6	26·1	99·1	26th	57·0	18th	42·1
	Kurrachee	30	29·949	+·013	29·931	30·046	4th	29·825	21st	·221	72·2	86·7	+0·6	66·8	+0·7	76·8	+0·7	19·9	97·4	27th	58·2	8th	39·2
	VIII.—Rajputana.																					
18	Bikaner	*771*	29·149	+·017	29·922	29·319	30th	28·964	11th	·355	64·3	84·3	−5·0	59·2	−5·5	71·8	−5·3	25·1	93·2	1st	51·1	18th	42·1
	Jodhpur	782	29·167		29·956	29·303	30th	29·040	11th & 26th.	·263	68·8	88·2		62·6		75·4		25·6	94·6	26th	56·2	19th	38·4
	Pachpadra	*380*	29·572	+·017	29·924	29·686	30th	29·447	26th	·239	67·9	89·7	−4·9	58·0	−0·3	73·8	−2·6	31·7	96·5	1st	50·8	8th	45·7
19	Jaipur	1,431	28·515	+·031	29·957	28·618	30th	28·403	24th	·245	67·3	84·7	−5·0	59·9	−0·9	72·3	−3·0	24·8	93·2	27th	51·5	17th	41·7
	Sambhar	1,254	28·681	+·022	29·947	28·820	30th	28·500	11th	·320	64·7	85·0	−3·7	58·3	−0·5	71·7	−2·1	26·7	94·5	27th	51·9	17th	42·6
	Ajmer	1,611	28·339	+·011	29·963	28·481	30th	28·182	11th	·299	65·8	84·0	−5·1	60·9	+1·2	72·5	−2·0	23·1	91·4	27th	55·2	17th	36·2
	Kotah	819?	29·105		29·949	29·253	30th	29·021	10th	·232	70·2	89·4		63·6		76·5		25·8	97·0	22nd & 27th.	58·0	18th	39·0
	Udaipur	1,925	28·031		29·956	28·160	30th	27·929	24th	·231	68·7	87·3		57·9		72·6		29·4	92·5	25th	51·7	19th	40·8
	IX.—Bombay.																					
20	Deesa	466	29·485	+·005	29·916	29·562	19th & 31st.	29·383	14th	·179	73·5	94·6	−1·5	61·9	−1·9	78·3	−1·7	32·7	101·8	31st	56·4	13th & 18th.	45·4
	Bhuj	395	29·580	+·026	29·938	29·665	19th	29·473	18th	·192	74·2	92·0	−1·9	65·5	+0·1	78·8	−0·9	26·5	98·6	24th, 25th & 26th.	59·5	12th	39·1

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

B—*continued.*

in India, etc., in March, 1907—continued.

Wind Direction. Number of winds from: Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind Velocity. Mean velocity in miles per hour.	Normal.	Departure from normal.	Wind Steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st Dec. 1906 to 31st March 1907.	Normal rainfall for period.	Departure from normal of period, 1st Dec. 1906 to 31st March 1907.	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
18	2	2	1		1	3	2	2	N 61° W	S 89° W	0·1	4·3	−4·2	10	−26	66	+20	·415	+·060	0·9	−0·4	1	0·70	+0·30	0·31	0·26	+ 0·05	2·94	1·59	+ 1·35	0·24	Cawnpore.
18		1	1	3		2	2	4	W	N 80° W	1·7	3·8	−2·1	8	−35	62	+ 9	·370	−·016	1·8	−0·3	3	0·90	+2·10	0·62	0·33	+ 0·29	2·68	2·11	+ 0·57	0·30	Lucknow.
13	2	2	3	3		1	3	4	N	N 51° W	3·4	3·6	−0·2	11	−17	69	+ 7	·429	−·006	3·0	+1·0	4	1·00	+3·00	0·99	0·57	+ 0·42	2·80	2 84	+ 0·04	0·43	Bahraich.
8	5	1	4	1	5	2	4	1	S 45° W	S 84° W	5·9	3·0	+2·9	3	−29	69	+31	·489	+·125	0·5	−0·3	0	0·50	−0·50	0	0·26	− 0·26	3·71	1·53	+ 2·21	0	Jhansi.
3		7		12		7		2	S 45° E	N 66° W	5·7	4·8	+0·9	33	−10	57	+ 9	·345	+·003	3·9	+1·7	2	0·80	+1·20	0·33	0·26	+ 0·07	3·35	1·37	+ 1·98	0·18	Agra.
6	4	1	1	3	3	6	2	5	S 80° W	N 63° W	2·6	2·5	+0·1	20	−12	67	+16	·393	+·041	3·2	+0·7	0	0·50	−0·50	0	0·04	− 0·04	2·12	2·07	+ 0·05	0	Mainpuri.
19	2	2		1	1		4	2	N 46° W	N 43° W	2·3	3·7	−1·4	13	−23	71	+13	·379	+·006	3·4	+1·2	2	1·82	+0·18	0·52	0·76	− 0·24	3·29	2·88	+ 0·41	0·30	Bareilly.
18	2	3		1	1		4	2	N 35° W	N 86° W	1·4	2·8	−1·4	17	−30	71	+15	·380	+·033	3·1	+0·8	3	1·40	+1·60	0·71	0·63	+ 0·08	4·64	3·36	+ 1·28	0·23	Meerut.
14	1	3		4	1			8	N 8° W	N 41° W	2·7	3·0	−0·3	17	+ 2	75	+13	·378	+·026	2·5	+0·1	3	1·90	+1·10	1·76	0·69	+ 1·07	7·33	4·30	+ 3·03	0·75	Roorkee.
31									*	N 5° W	2·3†	2·1	+0·2	*		71	+14	·333	+·015	5·3	+2·7	7	2·60	+4·40	2·83	0·94	+ 1·89	11·39	6·33	+ 5·06	1·38	Dehra Dun.
																																V.—Punjab.
3	4	3	4	4	2	3	3	5	N 7° E	N 87° W	4·5	3·9	+0·6	9	−41	69	+20	·385	+·062	3·7	+0·7	2	1·50	+0·50	0·46	0·50	−0·04	3·33	2·97	+ 0·36	0·15	Delhi.
1	3	6	7	4	2	2	4	2	N 72° E	N 24° W	4·9	4·7	+0·2	22	+19	69	+12	·366	+·012	3·3	+0·1	2	1·10	+0·90	0·38	0·32	+0·06	1·83	1·80	+ 0·03	0·23	Sirsa.
1	8	4	4	4	2		3	5	N 17° E		6·0			33		80		·422		4·0		4			1·57			10·11			0·62	Patiala.
16			2	4			1	8	N 34° W	N 37° W	3·1	3·2	−0·1	13	−11	81	+18	·393	+·006	3·4	+1·4	3	1·40	+1·60	2·76	0·37	+ 2·39	7·78	5·22	+ 2·56	1·28	Ambala.
7	3	7		5		1		8	N 13° E	N 21° W	3·0	2·2	+0·8	30	+ 8	77	+14	·379	+·008	3·1	−0·7	5	1·70	+3·30	3·20	0·79	+ 2·41	12·59	4·71	+ 7·88	1·04	Ludhiana.
8	5	4	4	2	2		3	3	N 26° E	N 10° W	3·1	2·9	+0·2	27	+ 9	77	+12	·374	0	4·3	+0·9	3	1·70	+1·30	0·97	0·65	+ 0·32	4·42	3·25	+ 1·17	0·41	Lahore.
10	4	2	6	2	1	1	1	4	N 40° E	N 7° E	2·0	2·1	−0·1	23	− 6	74	+ 7	·379	−·004	3·2	+0·4	6	2·90	+3·10	3·55	1·14	+ 2·41	9·97	5·97	+ 4·00	1·48	Sialkot.
17	1	2	2	2		2	2	3	N 24° W	N 39° W	3·0	2·9	+0·1	7	−19	77	+ 5	·322	−·017	4·6	+0·5	9	4·20	+3·80	4·41	1·89	+ 2·52	14·16	7·61	+ 6·55	1·51	Rawalpindi.
8	4	12	1		1	1	2	2	N 24° E	N 2° E	6·2	5·1	+1·1	43	+21	72	+14	·364	+·027	3·6	+0·8	3	1·70	+1·30	0·93	1·13	− 0·20	2·86	3·18	− 0·32	0·35	Khushab.
5	5	8	3	6	1		1	2	N 57° E	N 53° E	6·6	5·4	+1·2	40	+18	58	+ 6	·312	−·015	3·9	+1·5	3	1·20	+0·80	0·46	0·35	+ 0·11	1·35	2·28	− 0·93	0·22	Montgomery.
3	11	5		5		1		1	N 27° E	N 50° E	2·9	1·3	+1·0	43	+18	61	+ 2	·333	−·036	3·3	+1·5	0	1·20	−1·20	0·11	0·39	− 0·28	0·71	1·46	− 0·75	0·08	Multan.
																																VI.—North-West Frontier Province.
22	1	1	1			3	3		S 83° W	S 27° W	1·7	3·6	−1·9	11	−14	80	+ 8	·329	−·030	4·2	−0·6	6	3·90	+2·10	1·83	2·04	− 0·21	7·61	5·19	+ 2·42	0·34	Peshawar.
20		5		2	1			3	N 41° E	N 13° W	P	2·1	P	13	−19	70	+ 5	·348	−·014	4·2	+1·0	1	2·50	−1·50	0·51	0·89	− 0·38	1·97	2·31	− 0·34	0·24	D. I. Khan.
																																VII.—Sind.
1	2	10	2	8				8	N 45° E	N 83° E	5·1	3·9	+1·2	43	+18	42	+ 1	·282	−·011	3·1	+0·3	0	0·70	−0·70	0·09	0·15	− 0·06	0·84	0·85	− 0·01	0·09	Jacobabad.
4	7	1	1	1	1	9	2	5	N 71° W	S 83° W	7·9	8·4	−0·5	30	+ 2	51	+ 2	·394	+·011	1·1	−1·3	2	0·30	+1·70	0·47	0·16	+ 0·31	1·79	0·67	+ 1·12	0·24	Hyderabad.
	4	15				1	5	6	N 2° E	N 32° W	8·3	11·4	−3·1	59	+23	71	− 3	·568	−·012	2·1	−0·2	0	0·50	−0·50	0·05	0·19	− 0·14	2·08	1·29	+ 0·79	0 05	Kurrachee.
																																VIII.—Rajputana.
2	1	1	7	11	4	2	2	1	S 46° E	S 46° W	7·8	5·3	+2·5	49	+38	58	+18	·354	+·065	2·1	−0·9	1	0·50	+0·50	0·17	0·19	− 0·02	0·82	1·01	− 0·19	0·14	Bikaner.
3	7	3	3	1	2	2	1	4	N 20° E		4·3			40		36		·253		2·5		0	0·20	−0·20	0·04	0·01	+ 0·03	1·57	0·50	+ 1·07	0·03	Jodhpur.
	1	6	9	4	4	4	2	1	N 86° E		6·2	5·2	+0·9	40		51	+ 2	·353		0·2	−2·2	1	0·30	+0·70	0·24	0·11	+ 0·13	2·02	0·69	+ 1·33	0·24	Pachpadra.
1	2	10	9	3	1		1	4	N 58° E	N 29° W	5·2†	4·5	+0·7	53	+13	44	0	·285	−·042	2·8	+0·2	3	0·70	+2·30	0·86	0·34	+ 0·52	3·35	1·30	+ 2·05	0·38	Jaipur.
14	2	4	6	1	2			2	N 66° E	N 11° W	6·7†	5·7	+1·0	30	+ 8	57	+12	·339	+·039	2·5	+0·1	2	0·80	+1·20	0·54	0·28	+ 0·26	3·24	1·20	+ 2·04	0·31	Sambhar.
18		5		3		4		1	S 72° E	S 63° W	4·9	4·1	+0·8	7	− 4	53	+ 5	·329	−·008	2·4	+2·3	2	0·60	+1·40	0·25	0·16	+ 0·09	2·68	1·11	+ 1·57	0·10	Ajmer.
12		1	2	6		2		8	N 8° W		2·6			2		37		·256		1·1		0	0·40	−0·40	0·01	0·07	− 0·06	1·86	0·76	+ 1·10	0·01	Kotah.
22	1	2			1	2	2	1	N 75° W		4·4			10		48		·339		1·1		0	0·30	−0·30	0·04			1·24			0·04	Udaipur.
																																IX.—Bombay.
1	3	8	9	2	3	2	1	2	N 71° E	N 7° W	8·7†	8·6	+0·1	43	+11	45	+ 8	·364	+·052	1·6	−0·5	0	0·18	−0·18	0·06	0·05	+ 0·01	2·31	0·33	+ 1·98	0·03	Deesa.
4	2	2	2	1		1	5	14	N 44° W	N 60° W	8·3	8·8	−0·5	53	−12	68	+11	·567	+·067	1·2	−0·8	0	0·10	−0·10	0	0·06	− 0·06	1·17	0.29	+ 0·88	0	Bhuj.

* Indeterminate. † Uncorrected readings.

Table

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

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.											
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean, between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	Jamnagar	61	29·911		29·917	29·997	19th	29·809	14th	·188	71·7	90·4		64·8		77·6		25·6	100·1	31st	59·3	4th	40·8
	Dwarka	37	29·950		29·934	30·032	19th	29·829	14th	·203	76·6	82·9		71·2		77·1		11·7	97·8	31st	65·7	5th	32·1
	Rajkot	429	29·546	+·018	29·937	29·622	19th	29·450	14th	·173	73·2	94·2	−1·4	62·6	+0·2	78·4	−0·6	31·6	99·9	31st	57·0	13th & 20th.	42·9
	Veraval	*18*	29·961	+·026	29·921	30·023	19th	29·867	14th	·156	73·8	83·8	−2·5	67·0	+2·1	75·4	−0·2	16·8	97·1	31st	58·3	3rd	38·8
	Bhavnagar Para	55	29·928	−·001	29·925	29·995	19th	29·842	14th	·153	74·8	95·6	+2·0	65·9	−0·9	80·7	+0·6	29·7	103·6	27th	59·5	19th	44·1
	Surat	39	29·930	−·002	29·914	29·987	19th	29·858	14th	·129	74·8	94·5	−2·1	68·2	+2·2	81·4	+0·1	26·3	105·2	31st	62·5	20th	42·7
	Ahmedabad	163	29·806	+·015	29·922	29·885	19th	29·722	14th	·163	75·4	95·9	−1·1	67·0	−0·8	81·5	−1·0	25·9	101·6	26th	62·7	10th	38·9
26	Bombay	37	29·941	+·010	29·918	29·990	5th	29·870	14th	·120	77·0	86·5	+0·8	73·9	+0·5	80·2	+0·7	12·6	88·5	1st, 2nd & 29th.	70·5	14th	18·0
	Ratnagiri	110	29·846	+·006	29·897	29·985	6th	29·739	13th	·156	76·7	87·8	0	71·7	−0·7	79·7	−0·4	16·1	99·8	2nd	67·9	1st & 19th.	31·9
	Goa	199	29·762	−·005	29·904	29·814	6th	29·660	14th	·154	78·7	85·9	−1·4	74·0	−0·2	80·1	−0·8	11·9	88·0	2nd & 3rd.	71·0	14th & 19th.	17·0
	Mormugao	*60*	29·909	+·020	29·904	29·963	6th	29·806	14th	·157	79·0	85·8	−1·1	75·0	−0·5	80·4	−0·8	10·8	89·0	2nd & 3rd.	71·4	19th	17·6
	Karwar	44	29·914	−·001	29·893	29·981	5th	29·814	14th	·167	74·1	87·6	−0·2	71·9	−1·1	79·8	−0·7	15·7	89·3	31st	65·5	19th	23·8
27	Malegaon	1,430	28·525	+·005	29·930	28·581	19th	28·454	14th	·127	74·3	96·8	0·5	62·8	−0·8	79·8	−0·7	34·0	101·4	22nd & 25th.	54·2	18th	47·2
	Ahmednagar	2,154	28·827	+·033	29·943	27·873	4th & 9th.	27·768	13th	·105	75·2	95·2	+1·4	62·6	+0·1	78·9	+0·8	32·6	98·4	22nd & 23rd.	55·6	19th	42·8
	Poona	1,849	28·120	+·007	29·947	28·173	19th	28·050	13th	·123	70·9	95·5	−2·2	60·7	−3·2	78·1	−2·7	34·8	99·0	30th	53·8	18th	45·2
	Sholapur	1,590	28·354	+·004	29·903	28·400	1st	28·267	13th	·133	78·2	98·9	−1·5	69·2	−0·1	84·1	−0·8	29·7	102·2	26th	63·1	19th	39·1
	Bijapur	*1,948*	28·003	+·016	29·903	28·049	9th	27·924	14th	·125	77·7	96·3	−0·2	69·1	−1·5	82·7	−0·9	27·2	99·2	28th	63·2	19th	36·0
	Belgaum	2,539	27·420	+·084	29·899	27·466	9th	27·325	14th	·141	74·5	93·9	0	63·3	−0·9	78·6	−0·5	30·6	97·2	16th	56·9	19th	40·4
	X.—Central India.																						
21	Neemuch	1,624	28·321	+·010	29·945	28·443	20th	28·195	11th	·248	69·5	88·0	−3·4	59·8	−1·7	73·9	−2·6	28·2	94·5	25th	52·8	19th	41·7
	Indore	1,823	28·139	+·028	29·949	28·228	31st	28·054	11th	·174	71·8	89·4	−3·1	60·0	−0·4	74·7	−1·8	29·4	94·1	22nd & 25th.	51·6	14th	42·5
22	Nowgong	754	29·187	+·018	29·928	29·314	30th	29·048	22nd	·266	66·9	86·5	−5·9	57·8	−3·0	72·2	−4·5	28·7	93·5	22nd	52·0	11th	41·5
	Sutna	1,040	28·887	+·011	29·922	29·001	19th & 30th.	28·750	22nd	·251	68·5	86·6	−4·7	60·3	−0·9	73·5	−2·8	26·3	93·5	29th	54·3	14th	39·2
	XI.—Central Provinces.																						
23	Buldana	2,132					8hrs.	observations		not available.													
	Akola	930	29·012	+.012	29·912	29·104	19th	28·933	22nd	·171	75·4	96·4	−2·8	64·8*	−1·2	80·7*	−2·0	31·6	101·8	22nd	55·9	19th	45·9
	Amraoti	1,215	28·731	+·024	29·916	28·815	19th	28·651	22nd	·164	76·0	95·5	−2·6	68·1	−1·1	81·8	−1·9	27·4	100·3	28th	63·3	1st	37·0
24	Khandwa	1,044	28·902	+·012	29·927	28·987	19th	28·810	14th	·177	72·3	95·6	−2·0	63·8	−1·1	79·6	−1·6	31·8	100·7	22nd	54·6	13th	46·1
	Hoshangabad	1,006	28·939	+·007	29·931	29·041	19th	28·939	23rd	·102	70·4	92·2	−3·5	61·7	−2·9	77·0	−3·2	30·5	97·6	22nd & 27th.	54·9	13th	42·7
	Saugor	1,807	28·129	+·011	29·925	28·243	30th	28·018	22nd	·225	70·9	87·6	−4·5	62·6	−1·9	75·2	−3·2	25·0	94·6	27th	55·0	17th	29·6
	Jubbulpore	1,327	28·603	+·008	29·927	28·715	19th	28·481	22nd	·234	68·0	88·5	−4·3	58·4	−2·4	73·5	−3·4	30·1	95·0	27th	51·8	13th & 14th.	43·2
	Seoni	2,033	27·969	+·007	29·924	28·003	20th	27·808	22nd	·195	71·3	90·5	−2·7	62·8	−0·7	76·7	−1·7	27·7	96·8	27th	56·0	14th & 19th.	40·8
	Nagpur	1,017	28·918	+·014	29·910	29·006	19th	28·827	22nd	·179	74·4	95·2	−3·1	65·0	−2·8	80·1	−3·0	30·2	100·1	29th	58·1	1st	42·0
25	Pendra	2,123?	27·895		29·920	28·004	19th	27·808	17th	·196	68·3	84·6		60·1		72·4		24·5	90·8	26th, 27th & 28th.	54·1	19th	36·7
	Raipur	970	28·970	+·020	29·917	29·092	19th	28·884	22nd	·208	72·8	92·3	−4·2	65·1	−3·5	78·7	−3·9	27·2	97·7	26th & 28th.	59·4	14th & 19th.	38·3
	Chanda	*634*	29·293	+·005	29·880	29·375	19th	29·226	22nd	·149	78·6	97·0	−2·7	67·3	+0·3	82·2	−1·2	29·7	102·5	27th	58·1	1st	44·4
	XII—Hyderabad.																						
28	Aurangabad	1,905	28·073		29·941	28·126	19th	28·018	14th	·108	76·7	94·9		64·9		79·9		30·0	99·2	27th & 28th.	58·2	2nd & 19th.	41·0
	Nizamabad	1,260	28·683		29·901	28·745	1st & 5th.	28·605	13th	·140	79·6	97·3		69·4		83·4		27·9	102·9	28th	62·2	20th	40·7

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

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

* Mean of 30 days.

B—*continued.*

in India, etc., in March, 1907—continued.

Wind Direction.											Wind Velocity.			Wind Steadiness.	Hygrometry, 8 hrs.				Cloud.		Rainfall.									Station.
Number of winds from																													
Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Mean velocity 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. 1906 to 31st March 1907.	Normal rainfall for period.	Departure from normal of period, 1st Dec. 1906 to 31st March 1907.	Heaviest rainfall during month.	
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
12			2	1			8	6	2	S 71° W		10·1			37		71		·556		0·1		0			0			0			0	Jamnagar.
3	6	2			1	4	7	8		N 66° W		11·5			53		74		·681		1·1		0			0			1·97			0	Dwarka.
14		1	1			3	6	6		N 75° W	N 25° W	5·0	7·7	−2·7	37	−17	67	+ 3	·535	+ ·021	0·7	−1·4	0	6	0	0	0	0	0·76	0·17	+ 0·59	0	Rajkot.
9	12						3	7		N 25° W	N 13° W	10·7	7·7	+3·0	62	− 3	71	+ 9	·591	+ ·079	0·5	−1·3	0	0	0	0	0	0	0·02	0·10	− 0·08	0	Veraval.
	2	1	1	1	1	2	3	20		N 50° W	N 85° W	6·6	8·6	−2·0	69	+ 4	56	− 4	·494	0	0·8	−0·5	0	0·10	− 0·10	0·01	0·08	− 0·07	0·34	0·29	+ 0·05	0·01	Bhavnagar Para.
9	10	1	2	1	4	3	1			N 4° E	N 46° W	4·7	6·1	−1·4	13	−23	73	+10	·639	+ ·083	0·5	−0·7	0	0	0	0	0	0	0·08	0·14	− 0·06	0	Surat.
	2	6	9			3	3	7		N 19° E	N 1° E	5·2	4·7	+0·5	30	− 4	46	+ 3	·399	+ ·023	1·6	−0·4	0	0	0	0	0·06	− 0·06	0·31	0·30	+ 0·01	0	Ahmedabad.
	9	14	3	1	1	1	1	1		N 33° E	N 40° E	9·3*	10·9	−1·6	62	+ 8	73	− 2	·694	− ·008	0·7	−1·1	0	0	0	0	0·02	− 0·02	0·27	0·20	+ 0·07	0	Bombay.
1	11	9	7	3						N 45° E	N 22° E	11·9	8·3	+3·6	69	+47	70	+1	·641	− ·037	0·4	−1·0	0	0·10	− 0·10	0	0·01	− 0·01	0	0·24	− 0·24	0	Ratnagiri.
1	7	5	9	2	2	3				N 72° E	N 58° E	9·5*	6·3	+3·2	43	− 7	75	− 1	·738	− ·027	1·7	−0·3	0			0	0	0	1·14	0·31	+ 0·83	0	Goa.
3	14	2	1	3	3	1		4		N	N 72° E	10·5	9·0	+1·5	40	+15	80	+ 1	·793	− ·008	2·5	+0·2	0			0	0	0	0·23	0·05	+ 0·18	0	Mormugao.
17	5	9								N 29° E	N 43° E	2·8*	4·6	−1·8	43	−18	91	+ 9	·785	+ ·059	1·2	−0·3	0	0	0	0	0	0	1·40	0·18	+ 1·22	0	Karwar.
5	1	1	1	1		2	13	7		N 74° W	N 68° W	8·1	7·7	+0·4	56	− 9	35	−18 ?	·302	− ·165	0·1	−1·6	0	0·10	− 0·10	0	0·04	− 0·04	0·47	0·44	+ 0·03	0	Malegaon.
7	6				1			17		N 36° W	N 1° W	6·8	9·1	−2·3	69	+19	30	−26	·259	−·252?	0·2	−0·9	0	0·30	− 0·30	0·07	0·32	− 0·25	2·32	1·23	+ 1·09	0·07	Ahmednagar.
22			1			6	2			N 84° W	S 37° W	9·1*	8·5	+0·6	23	−10	43	+ 2	·325	− ·012	0·3	−0·9	1	0·30	+ 0·70	0·20	0·04	+ 0·16	0·29	0·33	− 0·04	0·20	Poona.
2	6	3	4	7	1	1		7		N 40° E	N 14° E	9·3	7·9	+1·4	27	+ 5	38	+ 3	·375	+ ·028	0·5	−0·8	0	0·60	− 0·60	0	0·26	− 0·26	0·08	0·79	− 0·71	0	Sholapur.
1	7	5	1	6	1	3	1	6		N 11° E	N 84° W	6·0	4·9	+1·1	23	−17	56	+ 1	·535	+ ·002?	4·2	+3·1	0	0·70	− 0·70	0	0·49	− 0·49	1·19	0·59	+ 0·60	0	Bijapur.
26	1	2	2							N 58° E	N 8° E	6·6*	11·3	−4·7	10	− 1	42	− 6	·357	− ·039	1·3	+0·4	0	0·90	− 0·90	0·06	0·43	− 0·37	0·92	0·62	+ 0·30	0·06	Belgaum.
																																X.—Central India.
2	8	9	3	1		2	4	2		N 13° E	N 34° E	7·1	7·8	−0·7	46	+21	35	− 2	·257	− ·039	2·0	+0·2	0	0·10	− 0·10	0	0·04	− 0·04	0·63	0·70	− 0·07	0	Neemuch.
7	2	7	6	1		3	4	1		N 45° E	N 7° W	4·3	3·4	+0·9	27	− 2	42	+ 2	·337	+ ·017	1·3	0	0	0·10	− 0·10	0	0·04	− 0·04	0·15	0·55	− 0·40	0	Indore.
7	6		8	2	1		6	1		N 33° E	S 80° W	2·5	2·5	0	17	−28	52	+2?	·336	− ·024	2·0	+0·5	0	0·70	− 0·70	0	0·22	− 0·22	2·33	1·96	+ 0·37	0	Nowgong
19			2	2		1	4	3		W	N 54° W	1·5	5·4	−3·9	011	−46	60	+20	·424	+ ·120	4·5	+3·2	1	1·00	0	0·21	0·43	− 0·22	6·02	2·43	+ 3·59	0·15	Sutna.
																																XI.—Central Provinces.
														8	hrs.	obse	rvat	ions	not ava	ilable.												Buldana.
3	2	6	4	2		1	7	6		N 9° E	N 45° W	4·0	4·8	−0·8	27	+16	37	+ 2	·329	+ ·021	0·7	−1·0	0	0·90	− 0·90	0	0·43	− 0·43	3·22	1·68	+ 1·54	0	Akola.
	5	8	5	1	3	5	3	1		N 45° E	N 72° E	5·9	4·8	+1·1	20	− 2	53	+14	·478	+ ·110	0·6	−0·8	0	0·80	− 0·80	0	0·32	− 0·32	5·69	1·45	+ 4·24	0	Amraoti.
12		3	5	2	1	1	2	5		N 43° E	N 40° W	4·9	5·0	−0·1	13	−16	37	+ 2	·291	+ ·001	0·8	−0·3	0	0·30	−0·30	0	0·12	− 0·12	0·41	0·86	− 0·45	0	Khandwa.
14	1	9	3	1	1	2				N 64° E	N 63° E	2·7	2·6	+0·1	33	+ 8	37	−9?	·272	− ·066	1·8	+0·1	0	0·40	−0·40	0	0·18	− 0·18	2·23	1·24	+0·99	0	Hoshangabad.
1	1	5	5	11	4	2	1	1		S 58° E	S 69° E	7·1	4·2	+2·9	49	+31	35	− 4	·259	− ·048	1·1	−0·4	0	0·60	−0·60	0·06	0·29	− 0·23	2·30	2·04	+0·26	0·03	Saugor.
5	3	5	2	7	4	2	2	1		S 64° E	S 23° E	2·7	2·7	0	23	−.6	47	− 1	·322	− ·035	1·2	−0·6	0	1·20	− 1·20	0·01	0·43	− 0·42	5·43	2·04	+3·39	0·01	Jubbulpore.
4	5	7	4	2	3	4	2			N 64° E	N 37° E	6·0	3·2	+2·8	23	− 4	41	− 6	·309	− ·073	0·3	−1·1	0	1·70	− 1·70	0	0·59	− 0·59	5·45	2·52	+ 2·93	0	Seoni.
5	10	8		1	3	1		3		N 15° E	N 14° E	3·6	4·9	−1·3	46	+14	42	+ 1	·356	− ·023	0·5	−1·4	0	1·10	−1·10	0·01	0·48	− 0·47	3·46	1·77	+1·69	0 01	Nagpur.
13	3				7	4		4		S 54° W		3·6			27		55		·378		1·4		3			3·29			8·83			2·55	Pendra.
13		4	4	1	2	4	2	1		S 45° E	N 59° W	8·0	4·9	+3·1	10	− 1	63	+21	·502	+ ·133	0·2	−2·0	4	1·80	+ 2·20	1·12	0·65	+ 0·47	1·82	1·45	+ 0·37	0·24	Raipur.
6	1	2	4	5	7	2	1	3		S 31° E	N 46° E	2·9	3·0	−0·1	30	− 2	45	− 2	·460	+ ·026	0·5	−1·0	1	1·40	−0·40	0·13	1·19	− 1·06	2·64	2·32	+ 0·32	0·13	Chanda.
																																XII.—Hyderabad.
13	4	2	3	1	1	2	4	1		N 18° W		9·6			10		36		·334		0·5		0	0·50	− 0·50	0	0·14	− 0·14	1·10	0·98	+0·12	0	Aurangabad.
15	1	2		3		2		7		N 37° W		2·7			17		52		·526		0·6		2	0·80	+ 1·20	0·25	0·48	− 0·23	1·98	0·99	+ 0·99	0·13	Nizama au.

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

* Uncorrected readings.

Table

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

Number of subdivision	Station.	Elevation of bar-cistern above sea-level in feet.	Pressure, 8 hrs., in inches.								Temperature of Air.											
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded month.	Date.	Lowest pressure recorded 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
	Bidar	*2,165*	27·808		29·916	27·874	5th	27·726	13th	·148	78·7	94·5		71·7		83·1		22·8	97·4	23rd & 25th	67·0	3rd	30·4
29	Gulbarga	1,503	28·447	+·018	29·908	28·512	4th	28·336	13th	·176	78·3	98·4	−0·8	70·3	−0·4	84·4	−0·6	28·1	102·0	25th, 26th & 28th.	64·8	1st	37·2
	Raichur	*1,811*	28·621	+·015	29·883	28·693	5th	28·517	14th	·176	80·9	98·3	−0·5	73·8	−0·2	86·0	−0·4	24·5	102·1	27th	68·1	18th	3 ·0
	Hyderabad (Deccan)	1,690	28·260	+·022	29·916	28·321	5th	28·167	13th	·154	75·2	95·1	−2·8	70·2	+0·6	82·7	−1·1	24·9	98·8	23rd & 27th	66·2	3rd & 4th	32·6
	Hanumkonda	871	29·069		29·893	29·134	20th	28·968	13th	·166	77·4	95·6		72·7		84·2		22·9	100·8	27th	68·3	4th&10th	32·5
	XIII.—Mysore.																						
30	Chitaldroog	2,405	27·561	+·005	29·894	27·615	5th & 6th.	27·449	14th	·166	77·9	91·4	0	69·4	−0·8	81·9	−0·4	25·0	97·2	16th & 28th	63·9	3rd	33·3
	Hassan	3,091	26·931	+·017	29·939	26·982	6th	26·827	14th	·155	72·9	90·2	−0·9	61·1	−1·1	75·7	−1·0	29·1	94·3	20th	56·3	9th	38·0
	Bangalore	3,021	26·984	−·002	29·925	27·022	5th	26·886	14th	·136	72·8	90·8	+0·1	64·9	+0·2	77·9	+0·2	25·9	93·8	20th & 26th	58·6	4th	34·9
	Mysore	2,518	27·475	+·012	29·934	27·529	5th	27·367	14th	·162	74·6	93·1	−0·4	67·6	+0·4	80·4	0	25·5	96·0	15th	62·0	4th	34·0
	XIV.—Madras.																						
31	Mangalore	65	29·907	+·006	29·904	29·962	5th	29·809	14th	·153	81·0	88·3	−1·1	75·7	−0·3	82·0	−0·7	12·6	90·2	16th	72·4	20th	17·8
	Calicut	27	29·918	+·013	29·904	30·005	5th	29·856	14th	·149	81·3	90·4	+0·1	76·1	0	83·3	+0·1	14·3	92·3	28th, 29th & 31st.	72·7	8th	19·6
	Cochin	9	29·952	0	29·890	30·007	6th	29·853	14th	·154	81·2	91·3	+0·1	77·2	+0·2	84·3	+0·2	14·1	92·3	9 days	73·7	2nd & 29th.	18·6
	Trivandrum	198	29·759	+·022	29·889	29·821	6th	29·652	14th	·169	79·7	87 8	+0·7	76·8	+0·1	82·4	+0·4	11·0	89·5	23rd	73·5	8th	16·0
32	Tinnevelly	168	29·809	+·025	29·907	29·877	5th	29·700	14th	·177	81·7	97·0	+0·5	74·6	−1·0	85·9	−0·3	22·4	101·3	26th & 27th	67·4	7th	33·9
	Pamban	37	29·924	+·008	29·888	29·995	6th	29·826	14th	·169	82·1	88·8	0	73·2	+2·1	83·5	+1·1	10·6	91·8	28th	74·7	7th	17·1
	Madura	447	29·534	+·016	29·919	29·593	6th	29·428	14th	·165	80·6	96·2	−0·5	74·0	+1·2	85·1	+0·4	22·2	99·5	26th & 27th	67·6	7th	31·9
	Periyakulam	944	29·016		29·908	29·069	6th	28·912	14th	·157	77·3	95·2		69·5		81·6		25·7	99·4	19th	60·0	7th	39·4
	Pudukkottai	318	29·658		29·911	29·711	4th & 5th.	29·550	14th	·161	79·8	96·3		73·5		84·9		22·8	100·9	27th	65·2	7th	35·7
	Negapatam	31	29·933	−·005	29·893	29·975	5th	29·835	14th	·140	81·9	89·3	+0·6	77·7	+2·2	83·5	+1·4	11·6	94·4	24th	71·0	8th	23·4
	Trichinopoly	255	29·723	+·004	29·913	29·781	6th	29·610	14th	·171	80·9	97·4	−0·5	73·8	+1·0	85·6	+0·3	23·6	102·6	26th	65·9	7th	36·7
	Coimbatore	1,348	28·622	0	29·930	28·677	4th	28·504	14th	·173	75·8	96·0	−0·2	70·4	+0·6	83·2	+0·2	25·6	98·4	10th, 13th & 27th.	64·8	4 days	33·6
	Salem	940	29·053	−·001	29·939	29·114	4th	28·939	14th	·175	79·6	98·8	+0·2	72·6	+1·8	85·7	+1·0	26·2	102·2	26th	64·4	4th & 7th	37·8
	Cuddalore	37	29·929	+·013	29·896	29·978	5th	29·819	14th	·159	80·1	89·2	−0·1	74·1	+1·9	81·7	+0·9	15·1	93·1	24th	68·2	6th & 7th	24·9
	Vellore	707	29·265		29·923	29·314	9th	29·149	14th	·165	76·6	92·3		70·9		81·6		21·4	97·9	25th	61·7	4th	36·2
	Madras	22	29·954	+·002	29·907	30·003	5th	29·842	14th	·161	80·3	89·5	−0·5	73·6	+1·4	81·6	+0·5	15·9	95·0	24th	66·5	4th	28·5
33	Cuddapah	433	29·509	+·012	29·881	29·559	9th	29·394	13th & 14th.	·165	82·9	100·9	−0·8	74·3	−0·7	87·6	−0·8	26·6	106·7	25th	65·9	4th	40·8
	Bellary	1,475	28·458	−·002	29·885	28·514	5th	28·345	1 th	·169	79·5	100·5	+0·2	73·1	+1·0	86·8	+0·6	27·4	104·0	25th & 28th.	65·2	7th	38·8
	Kurnool	923	29·003	+·003	29·876	29·063	5th	28·884	14th	·179	79·9	98·9	−2·0	72·1	+0·6	85·5	−0·7	26·8	102·7	27th	66·0	4th, 5th & 7th.	36·7
34	Nellore	61	29·904	+·027	29·899	29·959	5th	29·785	13th	·174	78·9	92·9	−3·3	73·1	+0·7	83·0	−1·3	19·8	101·8	24th	68·1	5th	33·7
	Masulipatam	15	29·972	+·025	29·922	30·049	20th	29·842	13th	·207	80·9	89·4	−2·0	73·4	+1·1	81·4	−0·5	16·0	92·6	13th, 14th & 26th.	68·1	4th, 5th & 8th.	24·5
	Cocanada	26	29·659	+·022	29·921	30·031	20th	29·837	13th	·194	79·5	89·0	−2·7	73·7	+0·2	81·4	−1·3	15·3	94·6	13th	68·5	6th	26·1
	Waltair (Vizag.)	*226*	29·747	+·016	29·916	29·820	20th	29·644	13th	·176	79·3	86·0		74·3		80·2		11·7	91·4	24th	69·9	4th	21·5
	Calingapatam	19	29·858		29·917	30·044	20th	29·828	13th	·216													
	Gopalpur	72	29·901	+·017	29·915	30·000	19th	29·797	12th & 13th.	·203	77·6	86·5	−0·1	72·7	−0·5	79·6	−0·3	13·8	89·7	5th	66·5	5th	23·2

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

B—*continued.*

in India, etc., in March, 1907—continued.

Wind Direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Wind Velocity. Normal direction.	Mean velocity in miles per hour.	Normal.	Departure from normal.	Wind Steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st Dec. 1906 to 31st March 1907.	Normal rainfall for period.	Departure from normal of period, 1st Dec. 1906 to 31st March 1907.	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
	5	4	2		3	10	4	3	S 89° W		6·1			27		48		·471		2·3		1	1·40	— 0·40	0·13	0·50	— 0·37	3·77	1·22	+ 2·55	0·12	Bidar.
7	3	8	3	5	2	1		2	N 69° E	N 79° E	8·8	7·9	+0·9	37	+16	65	+22	·629	+·188	1·0	0	1	0·80	+ 0·20	2·20	0·52	+ 1·68	5·00	0·88	+ 4·12	2·15	Gulbarga.
5	2	6	10		2	4		2	N 84° E	S 3° W	10·0	7·2	+2·8	33	+ 5	46	— 3	·492	—·018	1·5	+0·1	1	0·70	+ 0·30	0·16	0·44	— 0·28	0·83	0·68	+ 0·15	0·14	Raichur.
25		1	1	3				1	S 77° E	S 47° E	2·7	4·2	—1·5	10	— 2	62	+ 5	·539	+·017	2·2	+1·0	2			0·85	0·58	+ 0·27	2·69	0·96	+ 1·73	0·50	Hyderabad (Deccan).
3	2		2	19	5				S 43° E		8·6			69		65		·619		2·7		1	0·70	+ 0·30	0·44			3·12			0·36	Hanumkonda
																															XIII.	—Mysore.
1	1	1	3	3	1	6	10	5	S 80° W	S 56 °W	5·3	6·4	−1·1	40	+ 3	45	— 6	·433	-·057	1·0	−0·1	1	0·50	+ 0·50	0·47	0·34	+ 0·13	2·53	0·51	+ 2·02	0·47	Chitaldroog.
10			2	7	5	2	2	3	S 6° E	S 37° E	3·5	3·0	+0·5	30	+ 7	67	0	·543	−·005	2·3	+0·3	0	0·90	− 0·90	0·09	0·38	— 0·29	4·26	0·62	+ 3·64	0·05	Hassan.
		2	9	3	5	9	3		S 15° E	S 12° E	7·4	4·9	+2·5	40	−10	66	0	·530	−·013	1·2	−0·4	2	1·00	+ 1·00	1·25	0·48	+ 0·77	3·35	1·19	+ 2·16	0·82	Bangalore.
5	1	2	2	5	4	7	4	1	S 16° W	S 39° W	7·5	8·0	−0·5	30	− 2	68		·574	−·004	1·6	0	2	1·00	+ 1·00	1·28	0·23	+ 1·05	3·56	0·62	+ 2·94	1·09	Mysore.
																															XIV.	—Madras.
25		1	5						N 83° E	N 70° E	3·6*	3·0	+0·6	20	−20	78	0	·832	+·024	1·6	−0·8	0	0·20	− 0·20	0	0·07	− 0·07	1·09	0·60	+ 0·49	0	Mangalore.
2	4	9	7	2			2	5	N 37° E	N 42° E	13·4	10·5	+2·9	49	+ 2	76	0	·811	−·001	2·1	+0·1	0	0·90	− 0·90	0·11	0·58	— 0·47	0·63	1·89	− 1·26	0·09	Calicut.
	2	13	15	1					N 67° E	N 31° E	8·3*	6·8	+1·5	89	+14	77	0	·844	−·004	1·6	−0·5	4	2·60	+ 1·40	2·54	2·15	+ 0·39	9·20	5·22	+ 3·98	1·19	Cochin.
19	5	3					1	3	N 6° W	N 24° E	2·8*	5·5	−2·7	30	−17	76	− 1	·771	−·024	3·5	+1·1	4	2·60	+ 1·40	0·93	1·78	— 0·85	8·12	5·29	+ 2·83	0·31	Trivandrum.
4	9	3	1	1	1		3	9	N 20° W	N 25° W	3·8	4·7	−0·9	56	— 4	77	+ 4	·837	+·072	3·5	+1·2	1	2·30	− 1·30	0·66	1·03	— 0·37	8·04	7·28	+ 0·76	0·55	Tinnevelly.
3	4	7	6	3	3	1	1	1	N 73° E	S 87° E	7·2	7·4	−0·2	46	−23	79		·870		2·3		1	0·90	+ 0·10	0·79	0·72	+ 0·07	9·02	13·09	− 4·07	0·79	Pamban.
4	5	8	8	2			1	3	N 46° E	N 28° E	6·6	3·8	+2·8	53	+ 3	76	+ 3	·793	+·027	4·8	+2·6	0	1·00	− 1·00	0	0·47	— 0·47	1·92	3·09	− 1·17	0	Madura.
25		1		3	1	1			S 34° E		8·1			13		70		·664		2·6		6	2·30	+ 2·70	7·18	1·73	+ 5·45	10·74	4·89	+ 5·85	1·95	Periyakulam.
9	4	9	3	4	3	4	1	1	N 76° E					27		77		·790		4·6		2			0·51			4·23			0·41	Pudukkottai.
	2	4	1	10	3	3	4	4	S 24° E	S 85° E	12·7	6·3	+6·4	20	−16	75	− 2	·834	+·007	3·4	−0·8	1	0·50	+ 0·50	0·23	0·52	− 0·29	15·65	15·26	+ 0·39	0·17	Negapatam.
19		4	3	1	2	2			S 76° E	N 31° E	1·5*	3·8	−2·3	17	− 5	76	+ 3	·808	+·061	3·3	+0·5	0	0·50	− 0·50	0·03	0·41	− 0·38	3·68	4·23	— 0·55	0·03	Trichinopoly.
6	1	10	6		2	3	3		N 62° E	N 84° E	4·2	2·9	+1·3	30	−10	73	− 7	·664	—·066	3·5	+1·0	1	1·10	— 0·10	1·35	0·50	+ 0·85	6·73	2·25	+ 4·48	1·35	Coimbatore.
8		4	11	1	2	4	1		S 83° E	N 66° E	5·6	5·3	+0·3	37	− 3	79	+ 8	·811	+·100	3·7	+2·0	0	1·20	− 1·20	0	0·71	— 0·71	2·01	2·53	— 0·52	0	Salem.
	5	1	1		7	4	7	6	W	N 86° W	7·3	2·4	+4·8	40	−10	77	− 8	·800	−·065?	2·6	−0·6	0	0·40	− 0·40	0·01	0·30	— 0·29	18·47	10·00	+ 8·47	0·01	Cuddalore.
16	1	3	2	1				8	N 7° W		5·0			27		80		·735		1·4		1	0·39	+ 0·70	0·31	0·19	+ 0·12	5·38	3·69	+ 1·69	0·31	Vellore.
2	3				13	7	3	3	S 38° W	S 25° W	6·6*	6·2	+0·4	53	− 1	80	+ 2	·831	+·021	2·8	+0·3	0	0·80	− 0·80	0	0·21	− 0·21	16·54	6·98	+ 9·56	0	Madras.
		2	9	12	1	4	1	1	S 54° E	S 72° E				59	+ 2	58	0	·661	+·007	1·8	+0·6	0	0·20	− 0·20	0·10	0·04	+ 0·06	2·88	1·41	+ 1·47	0·07	Cuddapah.
3	1		3	5	4	4	6	5	S 45° W	S 45° W	4·9	4·6	+0·3	27	+16	42	− 8	·426	−·103	0·9	−0·5	0	0·50	— 0·50	0·09	0·14	− 0·05	1·32	0·36	+ 0·96	0·05	Bellary.
9	1	2	3	3	9	2	1	1	S 20° E	E	16·4*			30	+19	64	+11	·652	+·106	1·1	−0·1	0	0·60	− 0·60	0·02	0·41	— 0·39	5·87	0·62	+ 5·25	0·02	Kurnool.
4	1			3	15	1	1	1	S 10° E	S 32° E	6·5*	6·4	+0·1	74	+ 6	80	− 1	·792	−·031	3·1	+0·5	0	0·30	— 0·30	0	0·08	- 0·08	14·61	2·37	+12·24	0	Nellore.
15		1		5	8	1	1		S 12° E	S 20° E	6·2	5·5	+0·7	40	− 3	86	+ 3	·896	+·039?	4·0	+1·3	2	0·40	+ 1·60	0·56	0·12	+ 0·44	8·21	1·19	+ 7·02	0·40	Masulipatam.
9	5	1	3	2	1	4	1	5	N 29° W	N 52° W	5·4	6·5	−1·1	17	−26	80	+ 5	·814	+·063	4·4	+1·9	4	0·70	+ 3·30	1·64	0·47	+ 1·17	10·19	1·75	+ 8·44	0·35	Cocanada.
2		4	2	1		11	11		S 67° W	S 88° W	10·9			46	−29	72	0	·717	−·025	4·6	+1·9	2	0·60	+ 1·40	0·79	0·32	+ 0·47	2·68	2·45	+ 0·23	0·60	Waltair (Vizag.).
	1	4	1	1	5	10	7	2	S 54° W		8·4			46								1			0·66			1·15			0·42	Calingapatam
	6	2			2	10	2	9	N 71° W	S 89° W	14·5	13·9	+0·6	49	+ 7	75	− 3	·664	−·076	1·8	−0·7	3	1·00	+2·00	1·32	0·65	+ 1·17	3·80	2·00	+ 1·80	1·54	Gopalpur.

*Uncorrected readings. ‡ Mean of 30 days.

Table

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

Number of subdivision.	Station.	Elevation of bar-ometer above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of Air.											
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	Stations in the Bay.																						
1	P. V. Fraser ‡	*8*	29·991		29·927	30·093	20th	29·874	12th	·219	78·0												
	Car Nicobar	25	29·910		29·862	29·976	20th	29·832	14th	·144	82·5	87·5		75·7		81·6		11·8	89·3	24th	71·1	14th	18·2
	Port Blair	61	29·904	+·002	29·896	29·980	19th	29·815	14th	·165	78·7	87·4	−3·7	75·9	−0·7	81·6	−2·2	11·5	91·2	31st	73·5	4 days.	17·7
	Slipper Island	90	29·878		29·982	29·988	19th & 27th.	29·781	13th & 14th.	·157	80·4	86·5		76·4		81·5		10·1	89·6	29th	72·6	18th	17·0
	Kashmir.																						
14	Srinagar	5,204	24·894	−·036	24·865	25·121	31st	24·488	11th	·633	38·3	51·6	−3·8	35·3	−1·8	43·6	−2·8	16·3	63·6	26th	31·1	19th	32·5
	Gulmarg	*8,569*					Observations not received.																
	Sonemarg	*9,764*	21·763		21·731	21·991	31st	21·401	11th	·590	22·3	37·2		16·6		26·9		20·6	46·4	26th	6·1	19th	46·3
	Dras	*10,059*	20·721		20·689	21·078	31st	20·335	11th	·743	10·1	30·6		0·6		15·6		30·0	40·9	25th	−18·9	13th	59·8
	Leh	11,503	19·601	−·091	19·569	19·933	31st	19·320	11th	·613	21·6	35·6	−7·5	16·2	−4·9	25·9	−6·2	19·4	39·5	4 days.	8·9	19th	30·6
	Skardu	*7,505*	22·840		22·810	23·243	31st	22·484	11th	·759	36·0	48·7*		30·9*		39·8*		17·8	66·5	30th	24·1	29th	42·4
	Minimarg	*9,359*	21·298		21·266	21·600	31st	20·930	11th	·670	22·8	44·0		6·8		25·4		37·2	61·3	2nd	−5·9	13th & 19th,	66·3
	Astor	*7,955*	22·493		22·463	22·873	31st	22·088	11th	·785	29·7	42·3		25·1		33·7		17·2	54·9	2nd	9·0	30th	45·9
	Gilgit	4,890	25·135		25·108	25·524	31st	24·721	11th	·803	47·0	58·1	−3·6	42·4	−2·9	50·3	−3·3	15·7	67·3	26th	27·2	8th	40·1
	Baluchistan.																						
18	Quetta	5,502	24·642	−·011	24·602	24·780	30th	24·452	11th	·328	47·7	61·9	−2·6	38·0	−2·0	49·9	−2·3	23·9	73·1	21st	28·8	7th	44·3
	Chaman	4,311	25·716	0	25·678	25·822	31st	25·565	21st	·257	51·6	67·4	+0·1	44·0	−0·1	55·7	0	23·4	79·8	31st	29·6	12th	50·2
	Robat		26·390			27·087	6th	26·689	9th	·398	58·4	70·2		52·3		61·3		17·9	88·9	21st	42·1	7th	46·8
	Hill Stations excluding Kashmir and Baluchistan.																						
	Chitral	*5,486*									39·2	54·1		25·5		45·0		18·9	65·1	5th	32·0	8th & 9th,	33·1
	Para Chinar	6,000	24·430		24·392	24·589	30th	24·046	11th	·543	42·1	54·3		25·0		44·7		19·3	64·7	31st	29·8	12th	38·9
	Cherat	*4,956*	25·714	0	25·682	25·878	30th	25·331	11th	·547	45·5	54·0	−7·5	42·2 ††	−5·7 ††	48·1 ††	−6·8	11·8	63·1	26th	36·0	12th	27·1
	Murree	6,393	23·813 ††	−·034	23·781 ††	23·980	30th	23·386	11th	·594	40·6	46·9*	−11·4	31·6	−9·3	38·9	−10·4	15·3	58·0	31st	24·5	12th	38·5
	Kailang	*10,087*	20·978		20·929	21·027	5th	20·939	26th	·088	22·5	36·6	−4·8	17·0	−4·5	26·8	−4·7	19·6	44·2	25th	9·0	13th	35·2
	Simla	7,224	23·062	−·042	23·024	23·157	9th & 30th,	22·829	11th	·328	42·1	49·0	−7·4	37·2	−8·8	43·1	−8·1	11·8	58·3	1st	25·4	12th	32·9
	Samin		23·138			23·233	30th	22·917	11th	·316	37·1	48·2		30·8		39·5		17·4	57·4	1st	20·9	13th	36·5
	Kalabagh				Register not received.																		
	Chakrata	7,022	23·258	−·035	23·218	23·370	30th	23·098	11th	·272	40·3	52·3	−9·4	36·5	−7·8	44·4	−8·6	15·8	61·8	1st	26·7	13th	35·1
	Muktesar	7,556	22·843		22·802	22·921	1st	22·673	22nd	·248	41·5	50·8		36·4		43·6		14·4	60·4	10th	25·9	18th	34·5
	Darjeeling	7,376	23·015	+·010	22·970	23·104	27th	22·864	23rd	·240	44·9	52·7	−3·8	39·3	−3·0	46·0	−3·4	13·4	61·2	30th	33·5	20th	27·7
	Shillong	4,920	25·163		25·115	25·260	5th	25·023	23rd	·237	55·8	66·2		48·0		57·1		18·2	73·4	31st	39·2	21st & 28th,	34·2
	Cherra Poonjee	4,309	25·729		25·680	25·794	27th	25·612	23rd	·182	57·7	64·4		52·7		58·6		11·7	69·2	17th	45·8	20th & 24th,	23·4
	Maymyo	3,545	26·496		26·441	26·556	19th	26·398	13th	·158	63·8	79·1		52·4		65·8		26·7	85·9	31st	43·1	3rd	42·8
	Pachmarhi	3,528	26·490	−·005	26·437	26·561	30th	26·396	22nd	·168	67·2	81·2	−3·2	56·9	−3·5	69·1	−3·4	24·3	86·7	27th	47·8	19th	38·9
	Mount Abu	3,945	26·081	−·011	26·031	26·186	31st	25·964	11th	·222	64·5	73·6	−4·1	58·7	−2·8	66·2	−3·5	14·9	79·2	31st	52·9	11th & 15th,	26·3
	Mercara	3,781	26·273	+·007	26·206	26·317	6th	26·174	14th	·143	68·8	84·8	+0·2	62·2	+0·4	73·5	+0·2	22·6	88·5	16th & 17th,	59·6	7th	28·9
	Ootacamund	*7,399*	23·106		23·042	23·153	5th	23·053	14th	·100	59·3	68·4		48·1		58·2		20·3	72·0	15th	43·2	3rd	28·8
	Kodaikanal	7,688	22·858		22·803	22·905	5th	22·807	13th	·098	56·8	68·4		51·0		57·0		17·4	72·0	16th	46·0	2nd	26·0

N. B.—Elevations in italics indicate barometrical determinations.
NOTE.—The barometric readings are not reduced to sea-level in the cases of hill or plateau stations, the elevations of which exceed 3,000 feet.
†† Mean of 18 days. * Mean of 30 days.
‡ „ „ 22 „

B—*continued.*

in India, etc., in March, 1907—continued.

Wind Direction.										Wind Velocity.			Wind Steadiness.		Hygrometry, 8 hrs.				Cloud.		Rainfall.								Heaviest rainfall during month.	Station.
Number of winds from																													
Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Mean velocity in miles per hour.	Normal.	Departure from normal.	Actual percentage.	Departure from normal.	Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Mean cloud amount at 8 hrs.	Departure from normal.	Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st Dec. 1906 to 31st March 1907.	Normal rainfall for period.	Departure from normal of period, 1st Dec. 1906 to 31st March 1907.		
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																															Stations in the Bay.	
	3	4	1		3	7		1	S 79° W		10·0			5		80		·772		2·7		2			0·50						0·40	P. V. Fraser
	8	6	5	1	1	1		1	N 39° E		3·1			45		77		·855		9·2		10			6·75						1·30	Car Nico bar.
S	5	5	5	5	1	1		4	N 30° E	N 22° W	4·9	4·2	+0·7	23	−17	85	+ 2	·833	−·024	5·3	+2·5	4			4·46	0·40	+4·06	11·94	8·44	+3.50	2·32	Prt Blair.
	12	4	5	1	2		1	6	N 12° E		9·8			53		80		·822		7·0		4			2·43			6·02			0·97	Slipper Island.
																																Kashmir.
8	3		1	4	1	4	1	9	N 66° W	S 3° W	5·2	4·8	+0·4	23	+15	86	− 3	·201	−·026	7·1	+1·2	10	6·60	+3·46	4·10	3·14	+0·96	13·23	10·34	+3·09	0·95	Srinagar.
															Observations not received.																	Gulmarg.
19	3	1	4		2	2			N 85° E		2·4			11		100		·123		7·0		16			17·34			50·86			4·60	Sonemarg.
30							1		N 4° W		0·9			3		86		·063		6·0		12	10·80	+1·20	3·68	4·39	− 0·41	12·43	13·13	−1·60	0·85	Dras.
20		3	5		1	1	1		N 85° E	S 62° W	2·1†	2·0	+0·1	17	− 3	54*	+ 14	·074*	−·008	7·7	+1·6	2	1·00	+1·00	0·69	0·22	+ 0·37	2·82	1·07	+1·75	0·31	Leh.
32		1		2	2	4			S 8° W		5·7			20		76		·161		7·4		3	2·70	+0·30	0·76	1·20	− 0.44	2·74	4·77	−2·03	0·28	Skardu.
26			4	1					S 81° E		2·9			17		77		·096		7·5		15			6·74			19·46			1·10	Minimarg.
9		1		1	19		1		S 3° W		3·9			61		66		·113		7·7		7			2·30			5·71			0·85	Astor.
24						2	4		S 71° W		3·2			23		44	− 7	·126	−·043	6·5	+0·3	1	1·40	−0·40	0·39	0·59	− 0·20	0·49	1·05	−0·56	0·33	Gilgit.
																																Baluchistan.
16	1	1	2	5	3		1	2	S 49° E	S 42° W	3·7	4·0	−0·3	17	+ 6	52	−10	·167	−·044	2·5	−0·5	6	4·00	+2·00	2·50	1·84	+ 0·66	5·21	6·89	−1·68	1·18	Quetta.
2	6	5	8	2		1	1	6	N 31° E	S 31° E	9·9	9·9	0	46	−5	56	− 3	·221	−·038	2·5	−1·2	2	4·70	−2·0	0·49	1·31	− 0·82	4·60	5·28	−0·68	0·16	Chaman.
19		1	1	2	1	5	1	1	S 22° W		4·6			20		54		·263		1·7		1			0·19						0·10	Robat.
																																Hill Stations excluding Kashmir and Baluchistan.
24	3		1		1	1	1		N 45° W		2·0			3		69		·104		3·7		4			2·77			5·95			1·24	Chitral.
27				1			2	1	S 85° W		12·7			9		65		·179		4·7		10	9·00	+1·00	4·42	4·76	− 0·34	13·97	8·11	+5·86	1·20	Para Chinar
8	7	1			6		2	7	N 43° W	N 10° W	8·3	14·2	−5·9	30	−28	69	+13	·207	−·010	3·1	−1·8	12			4·64	3·79	+ 0·85	18·49	10·17	+ 8·32	0·76	Cherat.
12	3		2	4	10				S 26° E	S 33° E	7·0	9·0	−2·0	37	+ 5	66	+12	·166	−·011	4·1	−0·8	13	4·90	+3·10	7·02	4·05	+ 2·97	27·62	12·70	+14·92	1·95	Murree.
		1	2	13	4	6	5		S 10° E	—	0·3			55		78		·097		6·6		10			5·82			18·28			2·30	Kailang
3	14		1	3	10				N 58° E	N 31° W	6·4	5·7	+0·7	10	− 5	53	+ 9	·135	−·011	5·2	+1·4	9	4·30	+4·70	6·71	2·07	+ 4·64	18·15	9·01	+9·14	2·43	Simla.
20	1			1	8	1			S		2·5			27		71		·152		5·0		7			7·08			24·53			3·32	Sarain.
																																Kalabagh.
7	17	5			1			1	N 8° E	N 13° E	7·2	7·1	+0·1	66	+27	74	+23	·187	+·011	3·3	+0·5	9	4·50	+4·50	8·62	2·30	+6·32	21·11	11·39	+9·72	5·09	Chakrata.
12	1	3	5	2			8		N 19° E		6·4			7		69		·177		4·8		12			6·45			11·37			2·64	Muktesar.
13	1	4	1	1	1	6	4		S 62° W	S 37° E	7·1	7·5	−0·4	13	+ 2	72	+ 3	·233	−·018	5·6	+1·9	8	3·35	+ 4·65	4·75	1·55	+ 3·20	7·85	3·50	+3·55	1·36	Darjeeling.
21					5	4	1		S 27° W		7·9			30		64		·282		3·2		9	4·40	+4·60	4·98	1·82	+ 3·16	6·19	3·42	+2·77	1·95	Shillong.
10		4			7	7	3		W ¶		8·0			36		78		·368		3·9		12	9·00	+3·00	9·10	13·83	− 4·73	16·43	16·95	−0·52	5·23	Cherra Poonjee.
9					3				S 45° W					3		75		·452		1·2		2	0·90	+1·10	1·68	0·34	+ 1·34	1·81	1·15	+0·66	1·24	Maymyo.
3	2	1	4	3	2	6	3	2	S 35° W	N 13° W	5·6	5·0	+0·6	17	+13	41	+ 6	·268	−·008	1·3	−0·8	0	0·90	−0·90	0	0·33	− 0·33	4·05	1·92	+2·13	0	Pachmarhi.
2	8	6	2	1		5	4	3	N 15° W	N 23° W	7·7	7·2	+0·5	33	+ 4	50	+15	·298	+·066	1·4	−0·6	1	0·50	+0·50	0·13	0·13	0	2·42	0·96	+1·46	0·12	Mount Abu.
9	6	5	4	1			1	5	N 17° E	N 22° E	2·1	3·7	−1·6	42	+21	74	+ 6	·524	+·031	3·4	+0·5	2	2·00	0	0·62	0·61	− 0·19	2·56	1·48	+1·08	0·44	Mercara.
2		3	11	8			2		N 87° E		4·7			69		53		·271		1·9		5	1·80	+3·20	2·60	1·00	+ 1·60	6·53	3·38	+3·15	1·15	Ootacamund.
3	7	6	6	1			3		N 52° E		12·5†			56		60		·283		1·6		4	3·20	+0·80	1·79	3 59	− 1·80	8·95	11·81	−2·86	0·56	Kodaikanal.

¶ Mean of 12 days. † Uncorrected readings. § Wind variable ‖ Wind observations § less.

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. 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
	XIII.—Extra India.																						
37	Singapore (*a*)	10	29·955		29·886	30·053	27th	29·843	3rd	·210	83·4	89·1		73·8		81·5		15·3	91·8	15th	71·5	6th	20·3
	Penang (*a*)	20	29·921		29·866	29·947	18th	29·887	24th	·060	81·9	90·9		74·0		82·5		16·9	93·0	5th & 6th.	72·0	4 days	21·0
	Trincomalee	12	29·933	0	29·871	29·982	6th	29·844	14th	·138	79·0	87·6	−0·4	76·0	0	81·8	−0·2	11·6	91·0	27th	73·0	5th	18·0
	Colombo	40	29·913	−·013	29·879	29·978	19th	29·813	14th	·165	79·9	88·9	−0·5	74·9	0	81·9	−0·3	14·0	92·5	12th	71·0	1st	21·5
	Minicoy	7	29·971		29·904	30·029	6th	29·861	14th	·168	83·2	87·2	−0·7						90·5	29th			
	Amini Div	*13*	29·969	+·013	29·910	30·028	6th	29·863	14th	·165	83·4	89·4	+1·4	78·0	−0·1	83·7	+0·7	11·4	93·1	2nd & 29th.	74·2	20th	18·9
	Gyantse	13,120	18·412			18·538	29th	18·289	22nd	·249	25·5	46·3		13·8		30·0		32·5	56·3	31st	8·5	6th	47·8
	Pharijong	14,400	17·801			17·881	30th	17·665	17th	·226	12·3	34·9		3·0		19·2		31·9	56·1	13th & 14th.	−6·0	21st	62·1
	Gangtok	5,660?	24·514		24·469	24·599	27th	24·383	13th	·216	50·7	62·6		43·2		52·9		19·4	71·0	31st	36·4	20th	34·6
	Gartok	15,100?						Observatory not opened.															
	Kashgar (*c*) *	4,255	25·526			25·870	4th	24·800	6th	1·070	37·4	53·1	+0·9	32·9	+1·7	42·0	+1·3	20·2	60·2	5th	26·5	9th	33·7
	Kabul		24·258		24·227	24·440	30th	23·966	11th	·474	37·1	56·0	−1·2	31·0†	−4·5	43·7†	−2·9	25·0	69·2	31st	22·9	11th	46·3
	Meshed	3,104	27·582			27·990	6th	27·290	19th	·700	45·7	54·4		37·0	−1·4	45·7		17·4	73·4	31st	19·0	6th	54·4
	Jask	13	29·954	−·034	29·924	30·089	6th	29·730	14th	·359	72·5	80·7	+2·0	68·2	+2·1	74·4	+2·1	12·5	87·3	22nd	61·3	22nd	26·0
	Muscat (*f*)	20	29·962	−·010	29·930	30·045	5th & 6th.	29·728	14th	·317	76·6	85·4	+3·8	72·5‡	+0·5‡	78·8‡	+4·7	12·9	95·0	4th	68·0	13th & 14th.	27·0
	Bahrein	18	30·074		30·045	30·324	5th	29·949	12th	·475	68·5	72·7		63·5		68·1		9·2	83·1	3rd	55·3	7th	27·8
	Bushire	14	29·975	−·012	29·948	30·257	5th	29·745	12th	·512	61·7	70·4	−1·9	58·1	−0·7	64·3	−1·3	12·3	90·1	31st	47·8	7th & 8th.	42·3
	Busrah	25	30·044		30·029	30·402	5th	29·750	31st	·652	62·8	72·4		51·9		62·2		20·5	85·3	28th	39·7	6th	45·6
	Ispahan (*b*) ¶	*5,817*	24·229 (*b*)			24·410	25th	24·000	4th	·410	43·3	60·7	−0·3	37·5	+1·3	49·2	+0·5	23·2	73·3	28th	27·7	8th	45·6
	Tehran	*4,002*	25·832			26·100	6th	25·600	4th	·500	42·4	58·2	+1·0	37·3†	−1·1	47·8†	−0·1	20·9	75·5	29th	22·7	5th	51·8
	Baghdad	220	29·868	−·067	30·075	30·242	5th	29·466	2nd	·776	54·7	70·0	−2·3	49·5‖	+1·0	59·8‖	−0·7	20·5	82·4	29th	35·8	5th	46·6
	Beirut (*d*)		29·984			30·327	5th	29·642	2nd	·685	56·4	62·5		50·2		56·4		12·3	71·8	26th	42·2	3rd	29·6
	Aden	94	29·920	+·023	29·917	30·035	6th	29·805	14th	·230	78·1	83·3	−1·1	75·3	+0·1	79·3	−0·5	8·0	86·8	27th	70·4	2nd & 5th.	16·4
	Perim	201	29·747	+·011	29·894	29·772	1st	29·704	15th	·068	79·9	83·4	−1·9	74·9	−0·9	79·2	−1·4	8·5	85·1	29th	73·2	1st & 2nd.	11·9
	Zanzibar	72	29·928	+·022	29·827	29·979	21st	29·875	3rd	·104	82·4	87·4	+1·1	80·0	+0·6	83·7	+0·9	7·4	92·0	23rd	76·2	26th	15·8
	Do. Dunga	*154*	29·818		29·930	29·913	20th	29·804	8th	·109	80·8	88·6							94·5	12th			

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

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

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

* Observations of 13 days. † Mean of 30 days. ‡ Mean of 25 days. (*f*) Mean of 26 days.

‖ Mean of 29 days. ¶ 7hrs. observations.

B—*concluded.*

at 236 stations in India, etc., in March 1907—concluded.

Wind direction. Number of winds from Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction	Normal direction	Wind velocity. Mean velocity in miles per hour.	Normal.	Departure from normal.	Wind steadiness. Actual percentage.	Departure from normal.	Hygrometry 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st Dec. 1906 to 31st Mar. 1907.	Normal rainfall for period.	Departure from normal of period, 1st Dec. 1906 to 31st Mar. 1907.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																Extra India.
	1	14	7	6	1			2	N 71° E		‡‡ 6·5			69						5·5		9			4·97			31·05			1·05	Singapore.
											‡‡ 10·1																				1·65	Penang.
3	5	6	8	3	1			5	N 49° E					49						1·3		9			6·43			19·97				
30	1	1	1		7				N 13° E	S 37° W	‡‡ 1·4	5·6	-4·2	20	— 3	87	+ 6	·860	—·018	2·9	+0·5	3			1·90	1·45	+ 0·45	24·14	24·71	— 0·57	1·60	Trincomalee.
	3	7	5	9	2	1	3	1	S 88° E	S 58° E	‡‡ 7·0	5·4	+1·6	38	+ 6	81	+ 7	·827	—·018	3·1	+0·2	1			1·00	4·45	— 3·45	7·59	16·73	— 9·14	0·70	Colombo.
	17	6	2					6	N 4° E	N 20° W	4·5	5·4	+5·3	82	+25	72	— 4	·816	—·024	3·0	0	0			0	0·98	— 0·98	6·84	8·08	— 1·24	0	Minicoy.
2	15	12						2	N 16° E					86		75	+ 1	·867	—·005	3·4	+0·4	0			0	0	0	3·10	0·51	+ 2·59	0	Amini Divi.
			1	16	7	5	2		S 18° E		4·0			76		94		·131				0			0			0			0	Gyantse.
25					4			2	S 18° W		4·1†			10		84		·070		3·4		0			0						0	Pharijong.
25		4	1			1			N 45° E		3·8			13		80		·298		1·9		17			7·84			13·66			0·82	Gangtok.
													Observatory not			opened.															Gartok.
11								2	N 45° W	N 1° W	3·4	2·4	−1·0	1	— 7	63	?	·137	?	6·5	+0·7	0			0	0·20	— 0·20	0·48	0·78	— 0·30	0	Kashgar.
	9	11	4				2	4	N 19° E	N 80° W				69	+52	72		·163		3·8	—0·1	9			5·13	4·90	+ 0·23	5·63	7·41	+ 2·22	1·80	Kabul.
																75		·232		5·2	−0·3	5			2·11	2·43	— 0·32	5·68	4·57	+ 0·11	1·09	Meshed.
	4	1	11	1	1		1	12	N 15° E	N 23° E	14·3 (g)	11·0	+3·3	37	+ 1	69	— 5	·562	—·004	2·8	+0·5	0			0	1·15	— 1·15	3·23	3·77	— 0·54	0	Jask.
7				6			1	12	N 51° W	N 72° W	5·1 (h)	4·6	+0·5	7	−23	70	+ 2	·631	+·055	1·0	−1·2	0			0	1·65	— 1·05	4·92	3·37	+ 1·55	0	Muscat.
	3		3	2	1	1	9	11	N 58° W		6·5			48		76		·528		0		0			0						0	Bahrein.
4	6	3	3	3	3	2	1	6	N 6° E	N 41° E	14·0	8·5	+5·5	20	−20	77	+ 7	·428	—·004	6·0		1			0·22	1·00	— 0·88	5·60	9·71	— 4·11	0·11	Bushire.
4	15				12				N					10		73		·424		4·6		7			2·31			5·57			0·83	Busrah.
28			1		2		4		S 56° W	S 82° W	5·5	6·3	−0·8	10	−34	67	− 9	·191	—·047	3·8	+0·2	4			1·36	0·99	+ 0·37	3·95	1·96	+ 1·99	0·53	Ispahan.
5	8	13		1		2		2	N 22° E		6·5			61		77		·222		4·0		5			1·20			6·42			0·30	Tehran.
16	8				3		2	2	N 27° W	N 11° W	5·0	4·0	+1·0	23	− 1	70	0	·309	−·030	3·7	+1·4	5			4·17	1·60	+ 2·57	7·01	6·79	+ 0·22	1·46	Baghdad.
7		1	4	5		13	1		S 9° W					40		71		·326		5·7		17			8·59			29·54			1·94	Beirut.
	1	20							N 44° E	N 82° E	20·7	15·8	+4·9	99	+20	73	— 3	·693	−·033	5·2	0	0			0	0·87	— 0·87	0·40	1·85	— 1·45	0	Aden.
			31						E	S 73° E	24·5	19·3	+5·2	109	+47	76	— 2	·775	+·009	1·7	−3·6	0			0	0·27	— 0·27	0·35	0·95	— 0·60	0*	Perim.
3	8	3	6	2	1	5			N 81° E	S 27° E	5·0	5·4	−0·4	20	− 2	79	− 4	·875	−·019	4·9 (g)	−0·6	6			4·04	6·50	− 2·46	23·14	14·02	+ 9·12	2·27	Zanzibar.
	8	1				3	1	18	N 38° W		5·7			78		86		·901		4·4		7			5·42			19·44			1·43	Do. Dunga.

(g) Mean of 22 days.

(h) Mean of 6 days.

‡‡ Uncorrected readings.

Table C.—Abstract of observations taken at 8 hrs. at 24 fourth class stations in India, etc., in March, 1907.

Table

Abstract of observations taken at 8 hrs.

Number of subdivision.	Station.	Temperature of air.													Wind direction.										
		Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.	Number of winds from									Resultant direction.	Normal direction.
															Calm.	N.	N.E.	E.	S E.	S.	S.W.	W.	N.W.		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
	II.—Eastern Bengal and Assam.																								
4	Bisnath	58·9	78·4	...	53·7	...	...	...	24·7	88·6	31st	45·8	1st	42·8	...	...	..	...	...	...	...	...	...	...	...
	Borjuli	63·5	80·6	...	55·4	...	...	...	25·2	89·8	31st	47·2	1st	42·6	...	...	...	..	...	...	...	...	...	...	...
	Chandkhira	66·6	83·5	...	58·2	...	...	...	25·3	89·5	30th	49·1	1st	40·4	...	...	...	...	...	...	...	...	...	...	...
	Doom Dooma	60·4	75·8	...	54·6	...	...	...	21·2	82·9	31st	48·4	1st	34·5	...	...	...	...	...	...	...	...	...	...	...
	Dikom	61·4	75·8	...	56·3	...	...	...	19·5	87·2	31st	48·3	1st	38·9	...	...	...	...	...	...	...	...	...	...	...
	Golaghat	62·6	76·9	...	57·5	...	...	...	19·4	86·2	31st	51·0	1st	35·2	...	...	...	...	...	...	...	...	...	...	...
	Hailakandi	67·6	83·1	...	61·6*	...	...	...	21·5	90·0	31st	54·0	2nd	36·0	...	...	...	...	...	...	...	...	...	...	...
	Jorehat	63·3	76·6	...	58·3	...	...	...	18·3	85·7	31st	50·8	1st	34·9	...	...	...	...	...	...	...	...	...	...	...
	Messa	64·2	86·1	...	52·3	...	...	...	33·8	90·3	31st	48·3	16th	42·0	...	...	...	...	...	...	...	...	...	...	...
	Panerihat	56·9	78·3	...	54·4	...	...	...	23·9	85·5	31st	45·8	21st	39·7	...	...	...	...	...	...	...		...	...	...
	Srimangal	70·6	87·8	...	60·6	...	...	...	27·2	95·3	26th	50·4	1st	44·9	...	...	...	...	...	...	...	...	...	...	...
	Tura (*a*)	74·6	81·1	...	62·8	...	...	...	18·3	86·6	11th	55·4	24th	31·2	...	4	...	...	4	1	21	1	...	S 41° W	...
5	Brahmanbaria	73·3	86·7	...	63·6	...	...	...	23·1	92·8	12th	56·6	1st	36·2	...	...	...	...	...	...	...	...	...	...	...
	Dam Dim	57·5	84·6	...	52·8	...	...	...	31·8	90·9	30th	44·9	14th	46·0	...	...	...	...	...	...	...	...	...	...	...
	Goalundo	70·7	86·9	...	60·7	...	...	...	26·2	93·5	11th	51·4	21st	42·1	...	...	...	...	...	...	...	...	...	...	...
	Kalchini	64·8	81·0	...	56·0	...	...	...	25·0	89·0	30th	48·5	21st	40·5	...	...	...	...	...	...	...	...	...	...	...
	Nagrakata	63·3	79·8	...	56·0	...	...	...	23·8	88·1	30th	50·4	19th	37·7	...	...	...	...	...	...	...	...	...	...	...
	Pabna	71·0	87·3	...	60·7	...	...	...	26·6	96·4	31st	54·0	2nd	42·4	...	...	...	...	...	...	...	...	...	...	...
	III.—Bengal.																								
6	Fraserganj	76·8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	24	...	...	7	S 15° W	...
	XI.—Central Provinces.																								
24	Chhindwara	...	...	...	...	...	...	...	Observatory not opened.				...	...	...	...	...	...	...	...	...	...	...	...	...
	Hill Stations.																								
	Panighatta	66·6	80·1	...	59·4	...	...	...	20·7	89·7	30th	49·2	19th	40·5	...	...	...	...	..	...	...	...	...	...	...
	Kurseong	55·9	63·9	...	50·0	...	...	...	13·9	73·9	30th	43·7	19th	30·2	...	...	...	...	...	...	...	...	...	...	...
	Poo	...	39·8	...	28·0	...	...	...	11·8	47·6	30th	16·5	13th	31·1	15	1	1	1	4	2	3	1	2	S	...
	Killa Drosh	40·1	53·5	..	37·3	...	...	...	16·2	64·3	26th	30·4	8th & 12th.	33·9	...	...	2	...	...	...	6	...	2	S 76° W	...
	Pishin	...	64·0	...	37·4	...	...	...	26·6	77·3	31st	28·0	7th	49·3	...	...	...	...	...	...	...	...	...	...	...

(*a*) 10 hrs. observations.

* Mean of 30 days.

C.

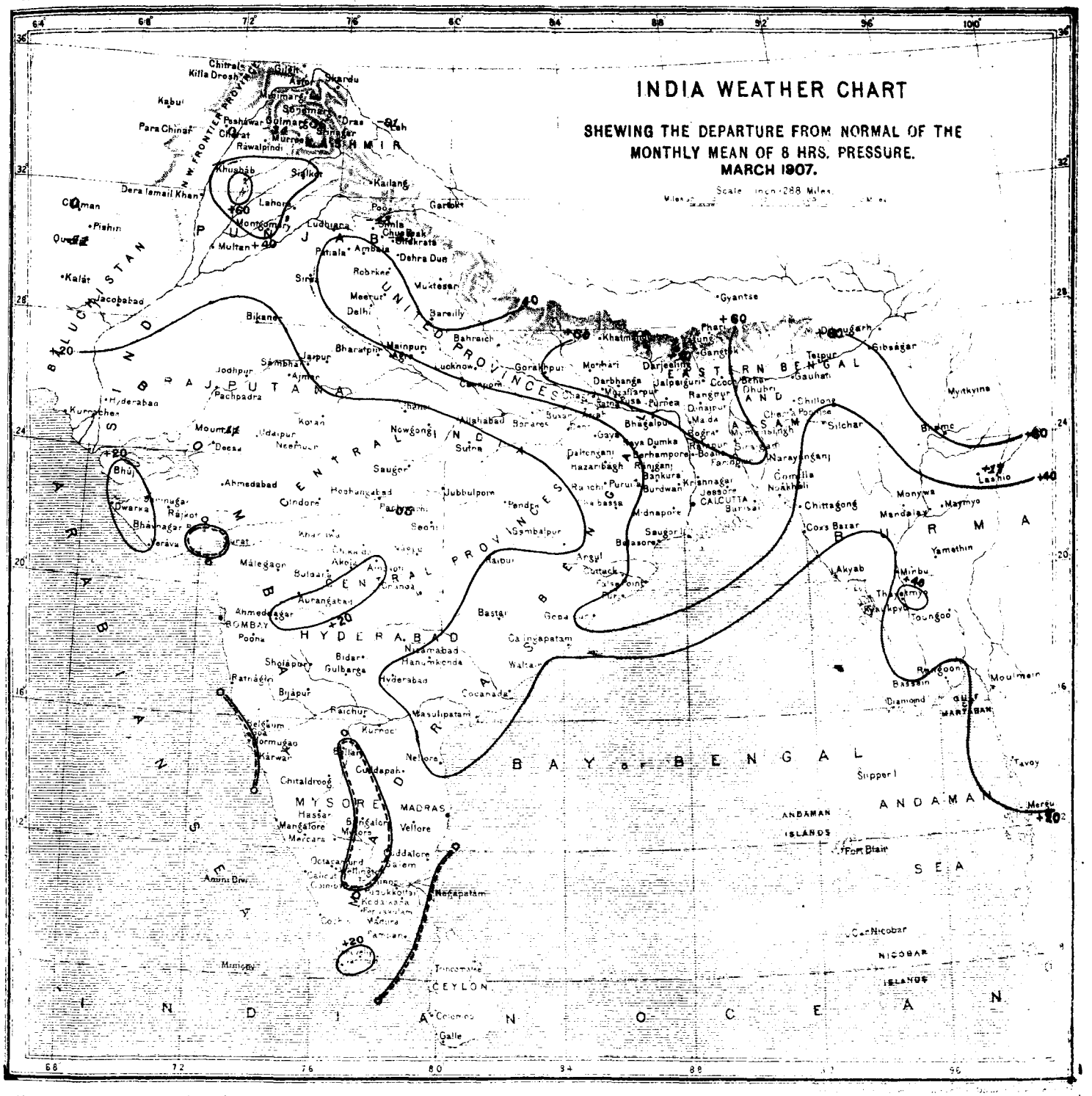
at 24 fourth class stations in India, etc., in March 1907.

Wind velocity.			Wind steadiness.		Hygrometry, 8 hrs.				Cloud.		Rainfall.									Heaviest rainfall during month.	Station.
Mean velocity miles per hour.	Normal.	Percentage departure from normal.	Actual percentage.	Departure from normal.	Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Mean cloud amount at 8 hrs.	Departure from normal.	Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st December 1906 to 31st March 1907.	Normal rainfall for period.	Departure from normal of period 1st December 1906 to 31st March 1907.		
27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
																					II.—Eastern Bengal and Assam.
...	...	...	...	...	98	...	·494	...	...	...	9	...	...	3·20	...	...	6·74	...	...	0·70	Bisnath.
...	...	...	...	....	84	...	·498	...	...	...	6	...	...	2·45	...	...	5·20	...	...	1·00	Borjuli.
...	...	...	...	...	88	...	·577	...	...	...	5	...	...	2·21	...	...	7·41	...	...	1·03	Chandkhira.
...	...	...	...	...	95	...	·504	...	...	...	13	...	...	4·59	...	...	9·17	...	...	1·14	Doom Dooma.
...	...	...	...	...	88	...	·482	...	...	...	13	...	...	4·35	...	...	8·02	...	...	1·35	Dikom.
...	...	...	...	...	94	...	·540	...	...	...	11	...	...	4·05	...	...	7·46	...	...	0·88	Golaghat.
...	...	...	...	...	86	...	·581	...	...	...	8	...	...	4·37	...	...	16·99	...	...	1·46	Hailakandi.
...	...	...	...	...	89	...	·517	...	...	...	11	...	...	2·97	...	...	5·33	...	...	0·93	Jorehat.
...	...	...	...	...	84	...	·516	...	...	...	6	...	...	2·61	...	...	5·59	...	...	1·08	Messa.
...	...	...	...	...	90	...	·420	...	...	...	10	...	...	3·05	...	...	4·43	...	...	0·65	Panerihat.
...	...	...	...	...	81	...	·613	...	...	...	5	...	...	2·82	...	...	4·36	...	...	1·16	Srimangal.
...	...	...	65	...	62	...	·523	...	3·8	...	7	...	...	7·03	...	...	...	...	...	3·40	Tura.
...	...	...	...	...	80	...	·662	...	...	...	6	...	...	3·23	...	...	4·04	...	...	1·60	Brahmanbaria.
...	...	...	...	...	92	...	·441	...	...	...	4	...	...	1·91	...	...	3·43	...	...	0·55	Dam Dim.
...	...	...	...	...	78	...	·589	...	...	...	5	...	...	2·53	...	...	3·45	...	...	1·12	Goalundo.
...	...	...	...	...	74	...	·517	...	...	...	5	...	...	2·10	...	...	4·97	...	...	1·01	Kalchini.
...	...	...	...	...	75	...	·437	...	...	...	8	...	...	3·55	...	...	8·10	...	...	0·95	Nagrakata.
...	...	...	...	...	80	...	·613	...	...	...	5	...	...	1·48	...	...	2·16	...	...	0·50	Pabna.
																					III.—Bengal.
...	...	...	65	...	80	...	·742	...	...		3	...	...	5·28	...	...	...	...	...	4·10	Fraserganj.
																					XI.—Central Provinces.
...	...	...	...	Observatory	not	opened.		...	...	...	...	...	...	...	...	...	...	...	...	...	Chhindwara.
																					Hill Stations.
...	...	...	...	...	60	...	·389	...	...	...	6	...	...	2·28	...	...	3·41	...	...	0·71	Panighatta.
...	...	...	...	...	67	...	·295	...	...	...	6	...	...	2·86	...	...	4·77	...	...	0·68	Kurseong.
...	...	...	12	...	...	...	...	...	5·9	...	7	...	...	3·92	...	...	9·25	...	...	1·68	Poo.
...	...	...	13	...	67	...	·165	...	2·7	...	6	...	...	2·95	...	...	6·68	...	...	1·30	Killa Drosh.
...	...	...	...	...	...	...	...	...	2·5	...	5	...	...	1·88	...	...	6·92	...	...	0·78	Pishin.

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

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

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



LITHO. BY S.B. MUNDLE

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

PLATE III.

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

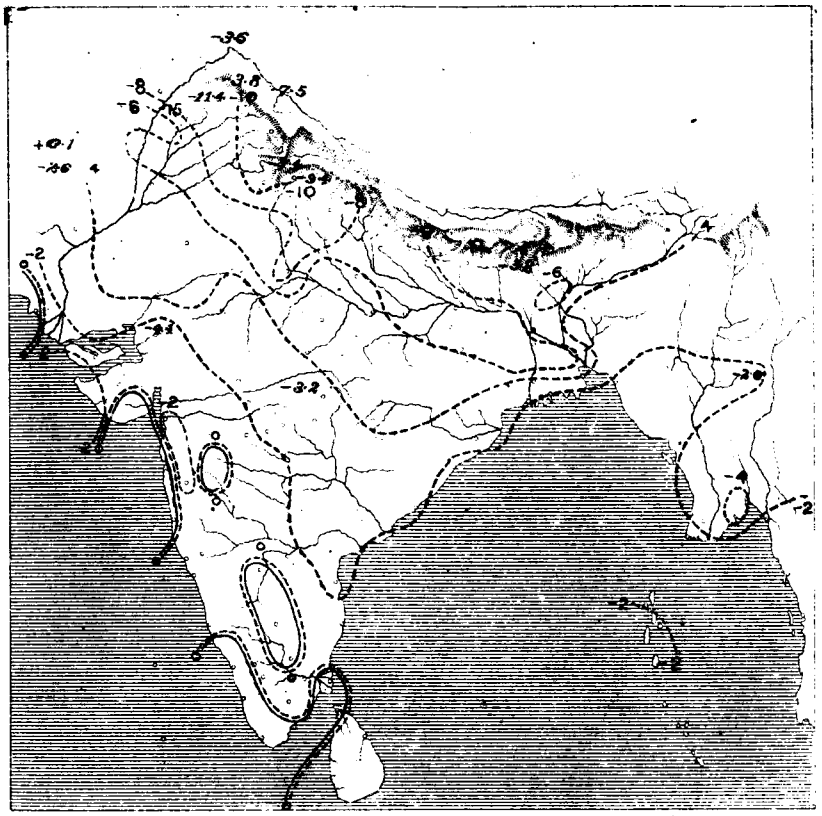


CHART SHEWING THE DEPARTURE FROM NORMAL
OF THE MONTHLY MEAN OF DAILY
MINIMUM TEMPERATURE.

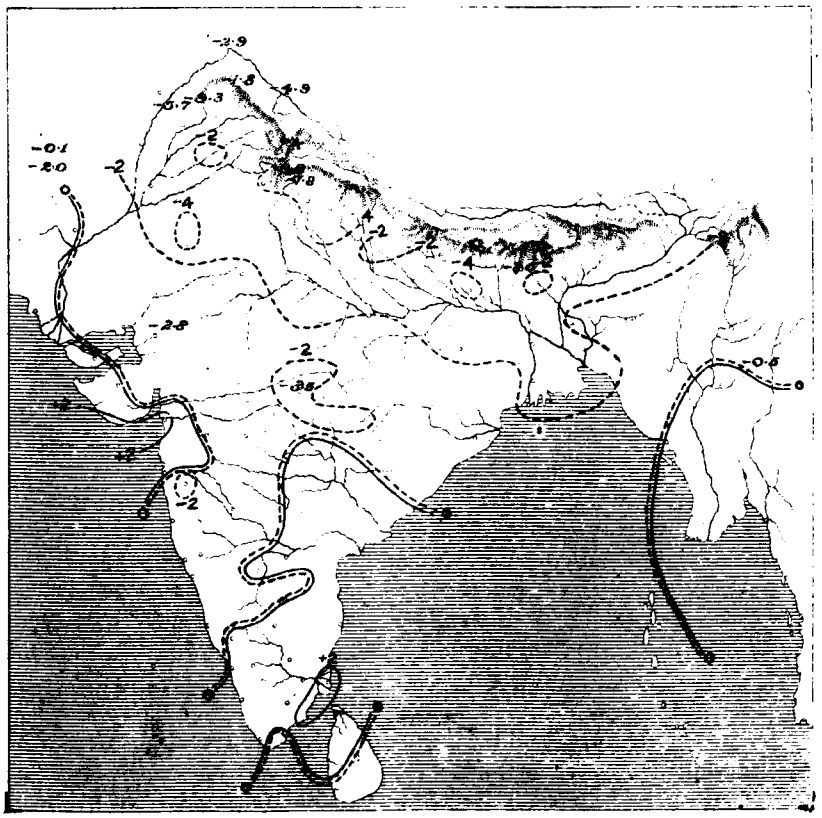


PLATE IV.

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

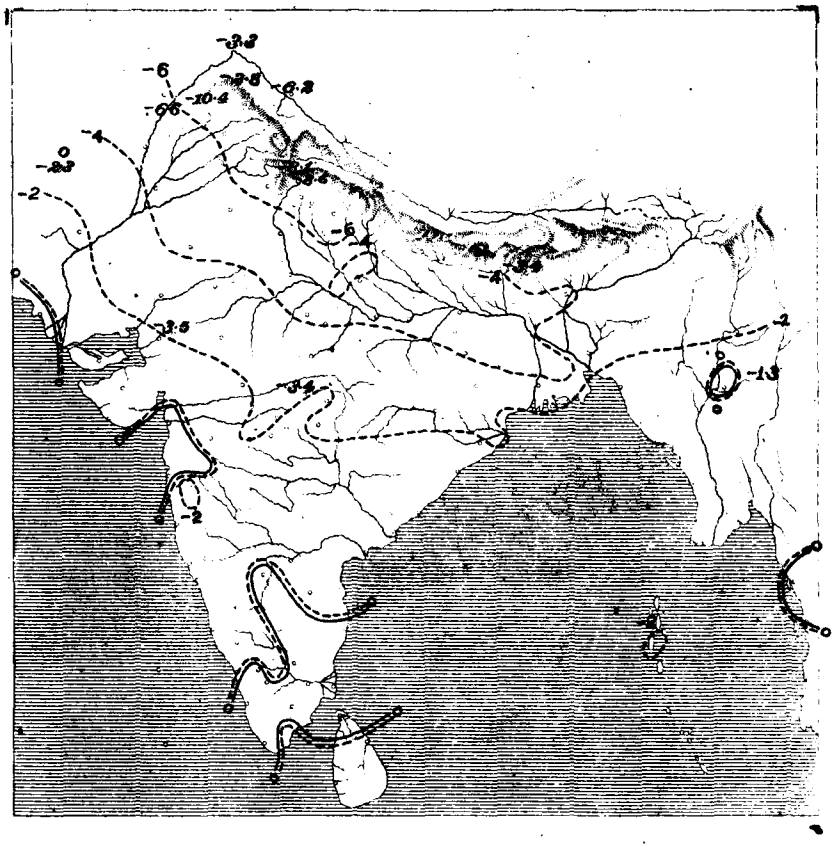
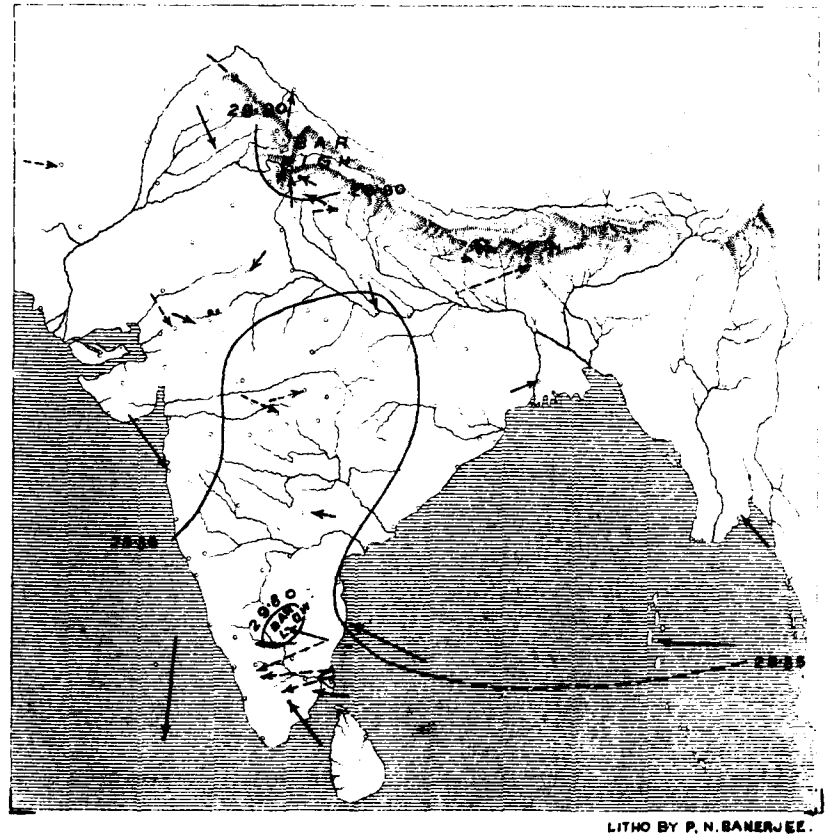


CHART SHEWING THE MONTHLY MEAN OF
PRESSURE AND RESULTANT
WIND DIRECTION.



LITHO BY P. N. BANERJEE.

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

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

LITHO BY R.N.BANERJI

PLATE VI.

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

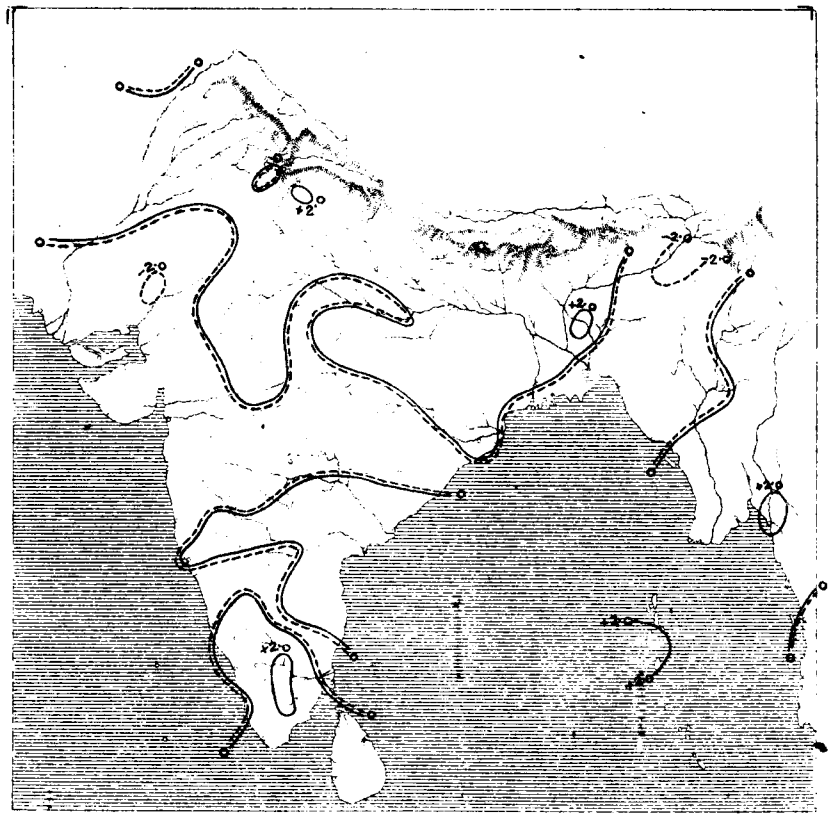
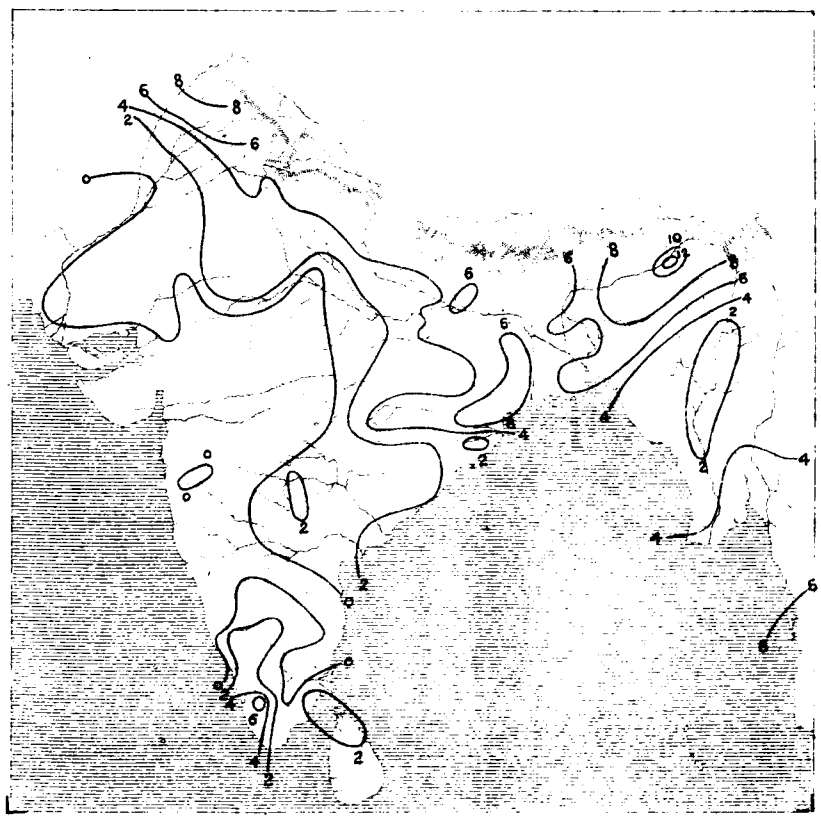


CHART SHOWING THE TOTAL NUMBER OF DAYS IN THE MONTH ON WHICH RAINFALL EQUALLED OR EXCEEDED 0·10 INCH.

(BASED ON THE RETURNS OF TABLE I.)



LITHO BY S. B. MUNDLE.

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

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

GOVERNMENT OF INDIA.

METEOROLOGICAL DEPARTMENT.

MONTHLY WEATHER REVIEW.

PUBLISHED BY ORDER OF

THE GOVERNMENT OF INDIA.

CALCUTTA, APRIL, 1907.

INTRODUCTION.

THIS review of the weather in India during the month of April, 1907, is based on observations taken daily at 8 hrs at 235 stations, and on additional observations taken at 10 hrs and 16 hrs at 36 stations. In the rainfall summary the data furnished by the meteorological observatories, and such rainfall statements of the month as had been published by the provincial Governments up to the date of the preparation of the review have been utilized. The brief notes on solar, seismic and magnetic disturbances are supplied by the chief observatories.

Summary of the chief features of the weather in India during the month of April, 1907.

2. The trough of low pressure in the Gangetic plain, a characteristic feature of the hot weather months, existed during the first nine days, and it seemed as if the hot weather was to be ushered in earlier than usual; but the trough suddenly disappeared about the 12th and did not definitely reappear during the rest of the month. The hot weather season was established much later than usual. The cold weather depressions usually cease towards the end of March or the beginning of April, but this month they were continued until the end of the month.

In the Central Provinces and the Peninsula a period of wet weather set in about the 20th and lasted for the rest of the month.

April was abnormally wet over the whole country excluding Burma and parts of north-east India: the greatest excesses of rain occurred in the United Provinces, the Punjab, Central India, the Central Provinces and the Deccan, areas that usually receive little rainfall in April.

Temperature was in large defect over the greater part of northern and Central India, the deficiency occurring chiefly in the maximum and amounting to 8·5° Punjab, 6·9° United Provinces, 7·8° Central Provinces and 7·3° Central India.

Humidity both absolute and relative, and cloud proportion were greater than usual.

Solar, seismic and magnetic disturbances.

KODAIKANAL.

3. *Solar Observations April, 1907.*—The sun was observed for spots and faculæ on all the days of the month and only one day the weather was bad throughout and prominences could not be recorded. But on 4 other days the prominences were observed in poor sky.

Sunspots.—There were 33 new spot groups recorded in April and almost all of them were small ones. Only 3 were of regular outline and the rest were either single dots or scattered groups of insignificant dots. The daily average number was 5·3 the same as in March. Spot No. 1115 which had appeared at the east limb on the last day of March traversed the solar disc during the early part of

April and was the only large spot seen during the month. No. 1116 was the return of 1094 which was commented upon in the March notes as having already existed for 4 solar rotations. It was now a small round and regular spot when it came round the east limb on the 2nd, and till the 10th did not undergo any change. The next day the penumbra had disappeared and a single dot alone remained for another two days. On the 14th when not far from the western limb the dot too had vanished. This spot is interesting as having persisted for more than 4 months; and its life came to an end during the present solar rotation. The noticeable feature about the distribution of spots in April was the way the southern hemisphere of the sun came in for increased activity after a prolonged relative quiescence. For once since June 1905 the southern spots have gained on the northern and that in a very decided manner, for they were over twice as many as in the north. Of the 33 spots one was too faint for its place to be determined even approximately. The distribution of the rest in latitude was as follows:—

	0°-10°	10°-20°	20°-30°	
North	2	6	1	9
South	9	12	2	23

Prominences.—Prominences were quite as numerous as in the preceding three months. There were nearly 59 prominences of about or over 1 minute in height. On two days the 9th and 22nd, prominences were observed extending over about 30° of the solar limb. On the former date at position angle 35 a fine prominence of a very complicated structure and covering nearly 20° of limb was seen to be slowly increasing in height. When it was first photographed at 8 hrs 3 4m, I.S.T., it was 105″ high; 20 minutes later it had grown to 117″; at 9hrs 13m it had still more increased to 135″. This was also the tallest prominence of the month. An interesting observation with regard to certain dark markings on the Calcium flocculi pictures of the sun, which when near the edge were generally traced to end in a prominence on the limb, received a remarkable confirmation during the month. Beginning from the 22nd till the 24th a continuous series of prominences were observed covering a portion of the eastern limb from about latitude +10° to +40°. On the next six days, 25th to 30th inclusive, a dark streaklike marking was noticed in the Calcium flocculi photographs of the sun and measures of its position on the disc showed that it occupied practically the identical region in latitude and longitude as the series of prominences, being in fact the absorption effect of these prominences when seen in projection upon the disc.

Magnetic disturbances.—There was only one small magnetic disturbance during April and it was on the 14th. Perfect magnetic calms prevailed on 21 days.

J. EVERSHED, *Ag. Director,*
Kodaikanal and Madras Observatories.

COLABA AND ALIBAG.

Note on the Alibag Magnetic record. April 1907.

4. During the month the traces showed 13 calm days, and 17 days of small disturbance.

The days of the month selected as quiet are the 2nd, 9th 10th, 24th, and 30th.

The mean observed absolute values of the several elements as also the ranges and the summed ranges of the Horizontal force and Declination for the month are as follows:—

Declination	1° 2′ 26″ east.
Horizontal force	0·36898 C.G.S. unit.
Dip	23° 13′·2.
Horizontal force range	0·00062 C.G.S. unit.
Horizontal force summed range	0·00413 " "
Declination range	4′·61.
Declination summed range	18′·21.

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

Magnetic Disturbances, April 1907.

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

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

C = calm; S = small.

SEISMIC DISTURBANCES RECORDED AT COLABA.

Five seismic disturbances were recorded during the month, one on 1st, one on 15th, two on 19th and one on 26th: that recorded on the 15th being the largest with an amplitude of 7·0 mm The disturbance of 1st April if reckoned as Greenwich day, falls on the 31st March.

List of seismic disturbances.

Date.	Commence.		Max.		End.		Max. amp.	Duration.	
	H.	M.	H.	M.	H.	M.	mm.	H.	M.
March 31	22	19·6	22	29·3	23	22·4	1·2	1	2·8
April 15	6	28·6	7	43·5	9	11·4	7·0	2	42·8
" 18	21	15·9	21	30·3	22	54·7	3·5	1	38·8
" 19	0	8·5	0	24·9	1	32·4	3·0		23·9
" 26	19	17·2	19	27·1	19	37·3	0·3	0	

All times given above denote G. M. T.

N. A. F. MOOS,
Director, Government Observatory,
BOMBAY.

5. List of displacements recorded by the Milne seismograph at the Alipore Observatory during April 1907.

Date 1907.	P. T. Commencement. G. M. T.	L. W. Commencement. G. M. T.	Maximum. G. M. T.	End. G. M. T.	Duration.	Max: displacement on trace from mean position mm.	REMARKS.
	H. M.	H. M.	H. M.	H. M.	H. M.		
12-4-07 .	18-39·4	18-53·7	18-57·7	19-59·4	1-20·0	0·75	
13-4-07 .	18- 3·2	18- 6·3	18- 7·8	18-20·0	0-16·8	0·50	
15-4-07 .	6-30·7	6-46·4	7-39·9	10- 4·9	3-34·2	4·50	
18-4-07 .	21- 6·7	21-12·3	21-23·5	22-58·0	1-51·3	4·50	
		19-4-07	19-4-07	19-4-07	19-4-07	19-4-07	
"	23-58·1	0- 5·8	0-17·5	2-47·7	2-49·6	4·75	
26-4-07 .	19-18·2	19-28·4	19-32·4	19-52·8	0-34·6	1·00	

C. W. PEAKE,

Meteorologist, Calcutta.

SIMLA OBSERVATORY.

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

Date 1907.	Commencement of 1st P. T. G.M.T	Commencement of 2nd P. T. G.M.T.	Beginning of L. W. G.M.T.	Time of Maximum amplitude G.M.T.	End approximately G.M.T.	Duration.	Maximum displacement of style mm.	REMARKS.
	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.		
10th Apl.	...	...	...	3 9	...	...	...	Tremour.
13th "	...	...	...	10 14	...	...	1·5	Local.
" "	17 58·3	...	18 0·2	18 0·2	18 15	0 16·7	6	*Origin probably in Kulu
15th "	6 29·7	6 47·5	7 16·6	7 30	8 45	0 15·3	48	Origin in Mexico.
17th Apl.	21 8·4	21 14·5?	21 18 ?	21 26	22 0	0 51·6	...	Origin near Askabad.
18th "	0 0·6	0 8·5?	0 18·7?	?	0 45	0 44·4	...	Origin in Spain.
22nd "	...	...	6 25	...	6 35	0 10·0	...	Tremour.

* This earthquake was also felt in Peshawar, Lahore and the Kulu valley.

J. PATTERSON,

Imperial Meteorologist, Simla.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

7. *Solar Observations.*—Observations were taken on every day except the 6th, 14th, 16th, 17th, 25th, and 30th, groups of sunspots being seen throughout. They were especially numerous between the 2nd and 13th and faculæ were visible on each day of observation.

Magnetic Disturbances, April 1907.

Day.	Time.	Disturbance.
6	2½ to 4 h. . .	Wave in H. F. (+30).
6	12 to 14½ h. . .	Fluctuations in H. F. (±8).
7	1 to 2½ h. . .	Wave in H. F. (+18).
7 to 8	1h. . . . 12½ h. . . .	Wave in H. F. (−10).
10 to 11	12½ h. . . . 14 h. . . .	Decrease in H. F. (−40).
12	0 to 11 h. . .	Wave in H. F. (+10).
13	19 to 22h. . .	Small fluctuations in H. F.
14	4 to 15 h. . .	Small fluctuations in H. F. followed by a wave 16 to 19½ (−30).
15	1½ to 3 h. . .	Wave in H. F. (+30).
16 to 17	2 h. . . . 2 h. . . .	Occasional small fluctuations in H. F. with waves 16 d. 15 h. to 16 h. (−21) and 16 d. 21 h. to 22 h. (−16).
19	0 to 4h. . .	Two successive waves in H. F. (+28 and +20) in declination (−2′.1 and 2′.2).

Weather in the Indian monsoon region.

8. Pressure over the southern Indian Ocean as represented by Mauritius, Zanzibar and Seychelles was in defect by nearly equal amounts at all three stations. The deficiency evidently decreased northwards from the equator as it disappeared on reaching south India, and was changed into an excess at the head of the Peninsula. Winds were below their normal strength though approximately normal in direction at Mauritius and Zanzibar. At Seychelles they were a little stronger than usual but their direction was slightly more from the south than usual.

The rainfall was in large excess at Mauritius in very large defect at Zanzibar and in moderate defect at Seychelles.

	Mauritius.	Zanzibar.	Seychelles.
Departure from normal of mean pressure.	−·028	−·034	−·030
Actual mean wind direction . .	S 82° E	S 10° W	S 28° E
Normal mean wind direction .	S 70° E	S 5° E	S 63° E
Actual mean wind velocity (miles per diem).	218	141	123
Normal mean wind velocity (miles per diem).	252	170	112
Rainfall departure	+3·46	−0·56	−1·62

Depressions and cyclonic storms.

9. A feeble depression was affecting Persia at the beginning of the month and extended eastward to north-west India; precipitation began in Baluchistan and the extreme north of India on the 6th and lasted only two days. The depression moved across northern India and gave widespread rain in north-east India on the 10th and in Assam on the following day.

The next depression which was the most important during the month, probably formed over the south of Persia on the 10th and 11th and entered the Sind desert on the 12th as a well marked depression with a well defined circulation. Precipitation commenced in Baluchistan and the North-West Frontier Province on the latter date and although the depression rapidly filled up as it was transmitted across northern India, yet it carried fairly general rainfall right across the Punjab, the United Provinces and north-east India, and disappeared in the upper Brahmaputra valley on the 15th. On this date rain had ceased except in Assam.

An area of low pressure formed over Baluchistan and Sind on the 14th and 15th and then extended eastward, embracing by the morning of the 16th the country extending from the north-west Punjab to the Central Provinces, with two centres one over Bikaner and the other in the central districts of the Central Provinces. This disturbance was associated with scattered rain in Rajputana and the Punjab on the 16th. The secondary over Bikaner developed and finally broke up in the west Himalayas on the 18th after giving widespread rain in the North-West Frontier Province, the Punjab, and the west of the United Provinces. The secondary in the Central Provinces advanced into north-east India where it was responsible for rainfall more or less local in character on the 17th and 18th.

The last depression of the month entered north-west India on the 29th and gave moderate to heavy rain in the north Punjab; the North-West Frontier Province and Kashmir on the 30th. The depression appears to have been of the cold weather type as it was transmitted from the west across northern India to Assam which it reached on the 4th of May. The occurrence of rain chiefly in the plains and at the stations of low elevation in Kashmir, and the absence of precipitation at those of high elevation would show that it was confined more to the lower strata of the atmosphere than the higher.

Pressure.

10. In northern India the excess of pressure which characterized the preceding month was continued in April though to a less extent. Instead however of the excess being greatest along the base of the Himalayas and then gradually decreasing southward, it was most marked in two areas, one extending from Delhi through Oudh into Bihar and the other including the south of the Central Provinces and the Circars, while pressure became normal on the eastern, southern and western borders of India.

At the hill stations of Mercara, Pachmarhi and Darjeeling pressure was normal, but in north Burma as represented by Lashio, in Baluchistan and in Kashmir it was in defect, the largest deficiency occurring in Baluchistan. The vertical gradients were thus steeper than usual in upper India, a feature of the unusually disturbed weather of the month, but they also show on comparison with the preceding month that this abnormality was disappearing.

A very prominent feature of the hot weather period is the trough of low pressure in the Gangetic plain and its appearance for the first nine days of April seemed to indicate the early approach of the hot weather season. It suddenly disappeared however on the tenth and did not definitely reappear during the rest of the month nor did the hot weather season become established in northern India during April.

The appended tables give data of vertical pressure gradients at a number of pairs of associated stations, and the mean monthly pressure for the 14 meteorological divisions.

Hill Station.	Departure from normal pressure.	Plain Station.	Departure from normal pressure.	Departure of pressure differences.
	"		"	"
Quetta	−·024	Jacobabad	+·013	+·037
Leh	−·025	Lahore	+·027	+·052
Murree	+·001	Peshawar	+·008	+·007
Simla	−·024	Ludhiana	+·033	+·057
Chakrata	−·020	Roorkee	+·033	+·053
Darjeeling	−·004	Dhubri	+·021	+·025
Mount Abu	−·013	Deesa	+·032	+·045
Pachmarhi	+·004	Khandwa	+·029	+·025

Province.	Departure from normal of mean 8 h. pressure.
	"
Burma	+·009
Eastern Bengal and Assam	+·029
Bengal	+·037
United Provinces	+·035
Punjab	+·032
North-West Frontier Province	+·013
Sind	+·012
Rajputana	+·018
Bombay	+·015
Central India	+·026
Central Provinces	+·038
Hyderabad	+·037
Mysore	+·013
Madras	+·024

Temperature.

11. The undue prolongation of the cold weather conditions, the excessive rainfall and cloud all imposed their effects on temperature, which was consequently in defect over almost the whole country, the maximum being affected much more strongly than the minimum. In fact, it was only in Tenasserim and at Pamban that maximum temperature was above normal, and even at these places the excess was only a fraction of a degree. The maximum was in greatest defect in the sub-montane districts of the Punjab, in the south-east of the Central Provinces and adjacent districts of Orissa, north Chota Nagpur and south Bihar, in which areas the deficiency was more than 8° and at Ludhiana amounted to 13°; it was in these regions that weather was most abnormally disturbed. In upper India the deficiency in maximum temperature was also strongly marked at the hill stations on the outer ranges of the Himalayas, but on the inner ranges where disturbances are usual the abnormality disappeared and at Gilgit and Kabul the maximum was normal. The prevalence of an unusual amount of cloud materially lessened the effects of the other abnormal weather conditions on minimum temperature and though it also was in defect over a large part of the country the deficiency was not very pronounced except in parts of the Central Provinces and of the northern parts of the province of Bengal: in these areas it was from 4° to 7° below normal. In Burma, the Indus-valley, Gujarat, the coast districts of the Peninsula and the interior of south India minimum temperature was normal. At the level of the hill stations from Darjeeling to Kailang the minimum was in as large defect as in the plains at the foot of the hills but in Kashmir, Afghanistan and Baluchistan it was normal.

Although no very definite cold wave followed the depressions of the month yet on several occasions there were centres of very deficient temperature in the Central Provinces, the Punjab, and the North-West Frontier Province. In the Central Provinces the cold periods followed disturbed and rainy weather and had their maximum intensity on the 12th, 27th and 29th. Day temperature was 23° in defect at Nagpur on the 12th, 27½° at Raipur on the 27th, and 28½° on the 29th at Sambalpur.

In the Punjab and the North-West Frontier Province, the cold periods occurred on the 13th to 14th and again from the 17th to 19th; on the first occasion maximum temperature fell to 29° below normal at Multan and was over 20° in defect at many stations. The second period followed general rain in the North-West Frontier Province and the sub-montane districts of the Punjab and snow in Kashmir, on the 17th and 18th maximum temperature averaged 25° below normal in the Punjab, and at Ludhiana it was only 64°, being 34° below normal, while at Sialkot and Lahore the deficiency amounted to over 30° on both days; at Sialkot the lowest minimum on record for April occurred on the 1st and was 47·1°.

The weather during the month of April in India was characteristic of that prevailing in the northern hemisphere; over the northern portion of the globe the month opened with every prospect for an early spring or hot weather but in the second week weather became unusually cold and wet, and continued so until the end of the month.

The first of the attached tables gives the temperature data for the 34 divisions and the second table the departures from normal temperature in the 14 meteorological provinces.

Division.	Actual temperature.					Departure from normal of month or		
	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	91·0	78·9	85·0	12·1	16·4	—0·7	—0·1	—0·6
2. Lower Burma	93·9	75·7	84·8	18·2	26·0	—0·7	—0·1	—0·6
3. Upper do.	96·3	71·2	83·8	25·1	37·4	—2·2	—1·2	—1·0
4. Assam	82·4	66·0	74·3	16·4	32·6	—3·3	—2·5	—0·8
5. Eastern Bengal	89·3	69·4	79·4	19·9	37·5	—3·1	—2·6	—0·5
6. Bengal	94·4	73·1	83·8	21·2	37·3	—3·7	—2·4	—1·3
7. Orissa	92·8	74·4	83·6	18·4	32·2	—4·9	—2·5	—2·4
8. Chota Nagpur	93·9	69·8	81·9	24·1	40·9	—7·3	—3·8	—3·5
9. Bihar	92·8	69·2	81·1	23·6	41·?	—7·1	—3·8	—3·3
10. United Provinces, East	95·5	69·4	82·4	26·1	44·0	—6·5	—2·2	—4·3

Division.	Actual temperature.					Departure from normal of month of		
	Mean maximum.	Mean minimum.	Monthly mean of mean between maximum and minimum.	Mean daily range of temperature.	Absolute range during month.	Maximum.	Minimum.	Daily range.
	°	°	°	°	°	°	°	°
11. United Provinces, West	92·2	66·8	79·5	25·4	42·8	—7·2	—3·0	—4·2
12. Punjab, East and North	87·7	64·7	76·2	23·0	44·8	—9·2	—1·9	—7·3
13. Punjab, South-west	91·2	67·0	79·1	24·2	46·9	—6·9	—1·2	—5·7
14. Kashmir	59·0	36·8	47·9	22·2	49·7	—1·3	+0·5	—1·8
15. N.-W. Frontier Province	84·9	62·3	73·6	22·6	44·7	—5·9	—1·2	—4·7
16. Baluchistan	78·2	57·0	67·6	21·1	44·0	—1·7	—0·3	—1·4
17. Sind	95·8	72·2	84·0	23·5	40·2	—3·0	+0·5	—3·5
18. Rajputana, West	97·6	71·7	84·7	25·9	43·2	—6·4	—1·4	—5·0
19. Do., East	95·9	71·7	83·8	24·2	40·5	—5·1	—0·3	—4·8
20. Gujarat	95·2	73·1	84·2	22·1	35·3	—3·5	+0·3	—3·8
21. Central India, West	93·7	70·2	82·0	23·5	36·9	—7·1	—0·3	—6·8
2. Do., East	95·2	70·4	82·8	24·8	42·9	—7·4	—1·2	—6·2
23. Berar	98·8	73·1	86·0	25·7	40·0	—6·8	—2·5	—4·3
24. Central Provinces, West	95·6	69·9	82·8	25·8	42·6	—7·7	—3·6	—4·1
25. Do., East	93·7	70·4	82·1	23·3	39·5	—9·2	—5·0	—4·2
26. Konkan	89·7	77·9	83·8	11·8	18·2	+0·1	—0·5	+0·6
27. Bombay Deccan	94·5	69·2	81·9	25·2	38·6	—6·2	—2·4	—3·8
28. Hyderabad, North	94·7	71·6	83·1	23·1	36·1	...	...	...
29. Do., South	95·9	73·3	84·6	22·6	35·2	—6·3	—3·7	—2·6
30. Mysore	89·5	68·3	78·9	21·2	30·9	—4·0	—1·1	—2·9
31. Malabar	89·4	77·2	83·3	12·2	18·5	—1·0	—0·6	—0·4
32. Madras, South-east	93·1	76·1	84·7	17·0	27·4	—2·3	—0·3	—2·0
33. Madras, Deccan	99·6	75·4	87·5	24·2	36·2	—4·5	—3·2	—1·3
34. Do., Coast, North	91·6	76·3	84·0	15·3	25·6	—2·4	—1·5	—0·9

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

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

Winds.

12. The mean wind directions for the month agree very closely with normal directions, the only important exceptions being at Leh, Sirsa, Ratnagiri and Gulbarga, at all of which stations the directions were almost due opposite to the normal, this abnormality being most probably caused by local conditions.

The data in the table given below show that as regards the strength of the winds it was less than usual except in Rajputana and the Central Provinces. This general weakness of the winds is due to the non-establishment of the hot weather season and the excess of pressure in northern India. In north-east India the trough of low pressure which usually develops during the month over the Gangetic plain produces a strong indraught and its non-appearance thus decidedly checked this inflow and winds were, though normal in directions, much weaker than their usual strength.

Province.	Departure from normal of	
	Hourly wind velocity.	Wind steadiness.
Burma	−0·4	−13
Eastern Bengal and Assam	−1·5	−4
Bengal	−1·5	−10
United Provinces	−0·2	+1
Punjab	−0·1	+1
North-West-Frontier Province	−2·2	0
Sind	−1·1	+11
Rajputana	+1·0	+1
Bombay	−1·0	0
Central India	−1·2	−2
Central Provinces	+0·6	+7
Hyderabad	−0·4	+3
Mysore	−1·0	−24
Madras	0	−3

Humidity and cloud.

13. The hygrometric conditions of the atmosphere were in keeping with the other characteristic meteorological features of the month, and humidity was above normal over almost the whole country; the greatest excess occurred in the south of the Central Provinces, the east Punjab and north Rajputana. It was in these areas that temperature was in greatest defect and the low temperature would thus tend to increase the relative humidity.

The actual amount of moisture in the air was below the average in Burma, north-east India and Madras, and was in excess over the rest of the country; the greatest excess of moisture occurring in the south Punjab and adjacent districts; at the elevation of the hill stations the moisture in the air was generally normal in Kashmir and Baluchistan, while in the central Himalayas it was in excess, and this feature is also true in regard to the relative humidity.

The proportion of cloud was also greater than usual except in parts of Assam and adjacent districts, and in the region extending from the north Konkan coast and Gujarat to Bihar and the east of the United Provinces. The amount of cloud was from 100 per cent. to 300 per cent. greater than usual.

The following table gives the provincial data for humidity and cloud:—

Province.	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	72	0	·734	−·029	3·6	+0·1
Eastern Bengal and Assam.	83	+2	·708	−·051	4·8	+0·3
Bengal	66	+3	·648	−·044	3·8	+1·3
United Provinces	57	+15	·523	+·084	3·2	+1·7
Punjab	63	+17	·516	+·082	3·2	+1·0
North-West Frontier Province.	69	+11	·510	+·031	4·4	+1·6
Sind	60	+6	·602	+·027	3·6	+1·7
Rajputana	45	+12	·459	+·083	2·6	+0·8
Bombay	66	+5	·679	+·005	3·5	+1·5
Central India	48	+13	·479	+·064	5·7	+4·4
Central Provinces	51	+16	·497	+·061	4·5	+2·6
Hyderabad	61	+11	·612	+·020	3·6	+0·7
Mysore	72	+2	·632	−·014	4·2	+0·5
Madras	76	+3	·833	−·001	4·3	+0·6

Rainfall.

14. April was a very wet month over the whole of India except Burma. The abnormally late and active cold weather storms which crossed northern India from west to east resulted in widespread rainfall over the greater part of this region, the rainfall being especially heavy in Eastern Bengal and Assam, the Punjab and the North-West Frontier Province, while in the United Provinces and Rajputana the precipitation was very much above the average.

A very peculiar feature of the rainfall in north east India is that it was caused almost solely by cold weather depressions instead of being associated with thunder storms and nor' westers due to the hot weather period. This delay in the setting in of the hot weather undoubtedly prevented the advance of the south-east winds which give rainfall in Burma and in consequence a large deficiency in rainfall occurred there.

In the Peninsula a period of unsettled weather commenced about the 19th and lasted until the end of the month. During this time thunderstorms were exceedingly numerous and the rainfall was much heavier than usual, especially in the Central Provinces and Hyderabad.

The rainfall features are shown in the two following tables :—

Division.	Number of rainy days.		Rainfall.			
	Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
			Inches.	Inches.	Inches.	
1. Bay Islands	1·0	3·8	0·43	1·94	—1·51	— 78
2. Lower Burma	0·5	2·5	0·28	1·88	—1·60	— 85
3. Upper do.	2·0	2·1	0·64	1·12	—0·48	— 43
4. Assam	14·2	11·5	10·28	9·19	+1·09	+ 12
5. Eastern Bengal	7·2	4·6	4·88	3·79	+1·09	+ 29
6. Bengal	3·4	2·4	2·07	1·68	+0·39	+ 23
7. Orissa	6·1	2·0	4·56	1·13	+3·43	+304
8. Chota Nagpur	2·6	1·8	0·95	0·90	+0·05	+ 6
9. Bihar	2·1	1·0	0·83	0·54	+0·29	+ 54
10. United Provinces, East	2·1	0·4	0·72	0·14	+0·58	+414
11. Do. do., West	2·5	0·6	1·14	0·23	+0·91	+396
12. Punjab, East and North	3·8	1·0	2·00	0·44	+1·56	+355
13. Do., South-west	3·5	0·9	1·63	0·37	+1·26	+341
14. Kashmir	5·9	4·6	3·72	2·51	+1·21	+ 48
15. North-West Frontier Province	6·2	2·6	3·81	1·31	+2·50	+191
16. Baluchistan	3·5	1·3	1·13	0·50	+0·63	+126
17. Sind	0·4	0·3	0·16	0·13	+0·03	+ 23
18. Rajputana, West	0·3	0·2	0·12	0·06	+0·06	+100
19. Do., East	2·0	0·3	0·61	0·11	+0·50	+455
20. Gujarat	0·3	0·6	0·08	0·02	+0·06	+300
21. Central India, West	0·8	0·2	0·33	0·05	+0·28	+560
22. Do., East	2·3	0·3	0·79	0·12	+0·67	+558
23. Berar	3·2	0·6	1·29	0·24	+1·05	+438
24. Central Provinces, West	3·3	0·6	1·35	0·22	+1·13	+514
25. Do, East	5·1	1·2	2·38	0·48	+1·90	+396

Division.	Number of rainy days.		Rainfall.			
	Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
			Inches.	Inches.	Inches.	
26. Konkan	1·9	0·8	1·18	0·45	+0·73	+162
27. Bombay Deccan	4·8	1·6	2·33	0·77	+1·56	+203
28. Hyderabad, North	4·8	1·3	2·87	0·48	+2·39	+498
29. Do. South	7·7	1·6	5·04	0·67	+4·37	+652
30. Mysore	5·2	2·4	3·49	1·20	+2·29	+191
31. Malabar	7·4	4·3	5·09	2·87	+2·22	+ 77
32. Madras, South-east	4·4	2·1	2·97	1·35	+1·62	+120
33. Madras Deccan	4·0	1·3	2·58	0·63	+1·95	+310
34. Madras Coast, North	4·2	1·4	2·84	0·79	+2·05	+259

Province.	Rainfall in inches.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	Inches.	Inches.	Inches.	
Burma	0·48	1·46	−0·98	− 67
Eastern Bengal and Assam	7·61	6·52	+1·09	+ 17
Bengal	1·91	1·11	+0·80	+ 72
United Provinces	0·92	0·18	+0·74	+411
Punjab	1·92	0·42	+1·50	+357
North-West Frontier Province	3·81	1·31	+2·50	+191
Sind	0·16	0·13	+0·03	+ 23
Rajputana	0·48	0·09	+0·39	+433

Province.	Rainfall in inches.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	Inches.	Inches.	Inches.	
Bombay	1·39	0·48	+0·91	+190
Central India	0·50	0·07	+0·43	+614
Central Provinces	1·55	0·29	+1·26	+434
Hyderabad	4·05	0·58	+3·47	+598
Mysore	3·49	1·20	+2·29	+191
Madras	3·07	1·22	+1·85	+152
Mean of India when the size of the above areas is taken into account	2·01	1·06	+0·95	+ 90

Snowfall.

I.—Afghanistan.

15. No snow fell in the plain of Kabul during the month.

II.—North-West Frontier Province.

Snow-storms occurred on six occasions on the Sufed Koh and the weather in Kurram was unusually cold and damp. At the end of the month the lower hills were bare of snow, while all the passes were open.

III.—Kashmir.

There were three falls in Leh, but none of these measured over an inch in depth. At the close of the month the snow-line was at an elevation of 14,000 feet on the southern face of hills.

The precipitation was on the whole in excess of the average in Kashmir.

IV.—Punjab.

(1). No snow fell at Murree or on the hills adjacent to Kahuta.

(2). *Pangi* (*Chamba Division*):—Snow mixed with rain fell on the 10th and 16th. The total depth of snowfall, measured 8 inches at Killar (Elevation 8,400 feet). The snow-storm of the 10th occurred over the whole Pangi district, while that of the 16th did not extend below the elevation of the Karel and Dharwas villages. By the end of the month the snow had melted away completely from Killar. The Sach Pass remained closed.

(3). *Kangra*:—Weather was unusually cold and damp.

The statement below shows the reported depth of accumulation on the various passes in the district.

KULU TAHSIL.			SAVAJ TAHSIL.		
Pass.	Depth of accumulation at the end of the month.		Pass.	Depth of accumulation at the end of the month.	
	Reported.	Normal.		Reported.	Normal.
Rohtang	16 feet.	12½ feet.	Srikhand	14 feet.	12½ feet.
Hamta	20 „	8¾ „	Chul	7 „	3 „
Barsai	6 „	3¾ „	Maghin	5 „	3⅜ „
Chandar Khani	14 „	6½ „	Dundku	5 „	3¾ „
Boja Dhar	11½ „	4¼ „	Tikkar	3 „	3 „
Lohri Achhri	10 „	5¾ „	Ram Garh	3 „	¼ foot.
Sari	12 „	4⅛ „	Nuhnon	2 „	1 „
Bhubu	10 „	2¼ „	Raghopur	3 „	3½ feet
Bastari	4 „	1½ „	Jalori	4 „	3½ „
Majhang	1 foot.	¼ foot	Lambri	2 „	2½ „
			Sakiran	6 „	3½ „
			Gargarasan	4 „	6¾ „
			Supakun	3 „	4⅛ „
			Bashleo	10 „	4 „
			Placha	8 „	5½ „
			Tirath	8 „	6¼ „

(4). *Kailang*:—Snow fell on five days to a total depth of 11 inches.

(5). *Kilba*:—Snow-storms of slight to moderate intensity occurred on nine days on the hills near Kilba. The snow-line came down to 8,000 feet on the 8th and 18th.

All the passes remained closed to travellers.

Name of Pass.	Depth of accumulation at the end of the month.	
	Reported.	Normal.
Rupin Pass	6 feet.	12 feet.
Brua Pass	6 „	10¾ „
Harrang Pass	2 „	2¾ „
Shatul Pass	6 „	8½ „
Buldar Pass	6 „	10¾ „
Runang Pass	4 „	5¾ „

On the ranges to the north of Simla the snow accumulations were much deeper than usual.

V.—United Provinces.

(1). *Garhwal*:—Snow fell on the 11th, 24th, and 30th, but the falls were not heavy and were confined to high peaks in the north.

(2). *Almora*:—There were occasional falls of snow down to the inhabited region. The total quantity received during the month amounted to 6 feet in Malla Darma, 5⅓ feet in Byans, 4½ feet in Chandas and about 1 foot in Malla Danpur.

Name of Pass.	Depth of accumulation at the end of the month.	
	Reported.	Normal.
Binkaru Pass	30 feet.	20 feet.
Nuwe Pass	26 „	17½ „
Lipu Lekh Pass	23 „	10½ „
Lampia Pass	24 „	11⅓ „

Temperature was lower than usual.

16.—Summary.

(*a*) Weather was much more disturbed and the snow fall apparently heavier than usual in Baluchistan, Afghanistan and the hill districts of the North-West Frontier Province.

(*b*) The fall was above normal in Kashmir. At the end of the month the snow-line was at an elevation of about 14,000 feet on the southern face of the hills near Leh.

(*c*) In the Punjab Himalayas the snowfall was somewhat irregularly distributed, but was on the whole more than the average. The depth of the accumulated snow was unusually great on the passes in Kulu at the close of the month.

(*d*) There were occasional falls in Almora and Garhwal; in the latter area they were confined mainly to the high peaks in the north. At the end of the month the accumulation of snow in Almora was much greater than usual, both in extent and depth.

Crop report.

17. *Burma*.—Sowing, transplanting and reaping of dry-weather paddy were in progress and sowing of early wet-weather paddy had commenced in the northern Shan States. The standing crops were in good condition but showers were wanted in Mandalay.

Eastern Bengal and Assam.—Plucking and manufac-

ture of tea and the harvesting of early transplanted rice were in progress, prospects being fair to good. Jute and rice were being sown.

Bengal.—Jute and other autumn crops were being sown. Sugar-cane was doing well and the supply of fodder and water were sufficient.

United Provinces.—Harvesting, threshing and winnowing were in progress. Sugar-cane and extra crops were being irrigated, and land was being prepared for the autumn crops.

Punjab.—Spring crops were being harvested and sowings of extra spring crops, cotton and sugar-cane were being made. The condition and prospects of the standing crops were good to average except in parts of Amritsar where crops were poor.

North-West Frontier Province.—Sowings of extra spring crops and of sugar-cane were in progress and land was being prepared for autumn sowings. The standing crops were in excellent condition but the gram crop had withered in parts of Bannu and wheat was also suffering from rust.

Jummoo and Kashmir.—Land was being prepared for autumn sowings, and the condition of the standing crops was good.

Rajputana.—Harvesting operations were in progress, cattle were generally in good condition and pasturage and fodder were sufficient.

Central India.—Spring crops were being harvested and land was being prepared for the autumn corps.

Central Provinces.—Harvesting of spring crops was nearly completed and threshing and winnowing were being carried on. The preparation of land for the autumn crops was in progress.

Bombay.—The standing crops were generally in good condition. The harvesting and threshing of spring crops and cotton-picking were in progress.

Hyderabad.—The standing crops were damaged in parts by heavy rain. Late rice was being harvested and lands prepared for monsoon sowings.

Mysore.—The prospects of the season were good, cattle were healthy and water and fodder were available.

Coorg.—Ploughing for rice had commenced. Water and fodder were sufficient.

Madras.—Ploughing, sowing, weeding and transplanting were in progress, and crops were being harvested with poor to normal out-turn. The standing crops were generally fair.

J. PATTERSON.

Table A.—Abstract of observations taken at 10 hrs. and 16 hrs. at 36 stations in India, etc., in April, 1907.

Table

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

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure.						Temperature of air.										Temperature, wet-bulb.			
			Mean of 10 hrs.	Mean of 16 hrs.	Mean daily range.	Mean of daily mean pressures.	Departure from normal.	Mean reduced to S.L. and gravity 45° Lat.	Mean maximum.	Mean minimum.	Mean daily range.	Highest maximum.	Lowest minimum.	Absolute range.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of three previous columns.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	I.—Burma.																					
2	Rangoon	36	29·881	29·737	·144	29·812	+·006	29·785	97·1	76·2	20·9	100·9	73·2	27·7	87·8	93·3	84·3	−0·7	73·1‡	77·0	77·5	75·9
	III—Bengal.																					
6	Calcutta	21	·847	·718	·129	·782	+·031	·748	93·4	73·9	19·5	103·3	67·2	36·1	86·3	90·8	83·0	−2·0	70·3	75·6	75·5	73·8
	IV—United Provinces of Agra and Oudh.																					
10	Allahabad	309	·521	·389	·132	·448	+·030	·705	97·9	70·6	27·3	103·8	60·6	43·2	88·6	95·6	83·8	−3·8	62·5	67·9	67·8	66·1
11	Dehra Dun	2,233	27·605	27·514	·091	27·552	+·011	·736	84·6	60·6	24·0	91·7	52·3	39·4	76·3	80·5	72·5	−4·9	55·7	63·0	63·5	60·7
	V.—Punjab.																					
12	Lahore	702	29·110	29·011	·099	29·054	+·019	·724	89·5	65·1	24·4	102·4	54·1	48·3	80·7	87·3	76·9	−4·0	61·1	68·0	69·7	66·3
	VIII.—Rajputana.																					
19	Jaipur	1,431	28·422	28·303	·119	28·357	+·010	·724	95·8	69·5	26·3	106·5	60·3	46·2	86·6	92·6	82·5	−3·8	60·0	66·3	66·6	64·3
	Udaipur	1,925?	27·952	27·838	·114	27·890		·726	95·1	70·5	24·6	100·7	59·0	41·7	88·7	92·1	83·7		60·1	67·5	68·4	65·3
	IX.—Bombay.																					
26	Bombay	37	29·876	29·757	·119	29·816	+·004	·792	89·7	78·6	11·1	92·5	76·0	16·5	84·7	85·4	83·2	+1·1	73·3	75·9	76·4	75·2
	XI.—Central Provinces.																					
24	Buldana	2,132	27·790	27·655	·135	27·717	+·009	·749	93·6	71·8	21·8	99·7	61·1	38·6	84·9	90·9	81·6	−5·7	60·3	65·9	66·2	64·1
	Nagpur	1,017	28·868	28·716	·152	28·789	+·053	·751	97·4	70·6	26·8	106·2	64·6	41·6	87·0	93·3	83·7	−6·9	63·4	70·0	70·6	68·0
	XII.—Hyderabad.																					
29	Hyderabad	1,690	·221	·078	·143	·148	+·024	·755	94·5	72·1	22·4	100·9	65·2	35·7	85·2	92·1	82·7	−5·3	66·2	70·7	71·9	69·6
	XIII.—Mysore.																					
30	Bangalore	3,021	26·959	26·818	·141	26·895	+·017	·762	89·5	67·1	22·4	93·0	61·5	31·5	80·5	86·9	77·0	−2·9	64·0	69·6	67·8	67·1
	Mysore	2,518	27·437	27·291‡	·142	27·372	+·011	·773‡	90·2	69·2	21·0	94·1	64·7	29·4	81·1	87·9	78·1	−2·5	65·8	70·7	69·8	68·8
	XIV—Madras.																					
32	Periyakulam	944	28·974	28·812	·162	28·898		·764	1·7	72·5	19·2	96·0	65·5	30·5	83·9	88·4	82·1		69·5	74·7	74·6	72·9
	Pudukkottai	318	29·604	29·459	·145	29·532		·777	95·9	76·3	19·6	101·3	70·8	30·5	87·5	91·6	86·1		73·5	76·7	76·4	75·5
	Madras	22	·904	·779	·125	·849	+·024	·802	92·4	76·6	15·8	97·4	71·6	25·8	88·3	87·3	83·5	−0·6	75·3	79·0	79·3	77·9
	Stations in the Bay.																					
1	Port Blair	61	·878	·770	·108	·825	+·013	·817	91·8	78·8	13·0	93·8	76·3	17·5	88·0	88·8	84·3	−0·4	75·5	79·4	79·0	78·0
	Kashmir.																					
14	Srinagar	5,204	24·901	24·811	·090	24·851	−·033	24·822	65·6	45·9	19·7	80·2	33·1	47·1	56·8	63·6	54·7	−1·0	43·7	53·2	59·3	52·1
	Leh	11,503	19·707	19·616	·091	19·663	−·017	19·631	55·0	30·9	24·1	67·9	15·9	52·0	45·5	51·9	41·9	−1·0	27·3	34·8	37·2	33·1
	Baluchistan.																					
16	Quetta	5,502	21·613	24·538	·075	24·568	−·031	24·528	73·2	47·9	25·3	86·0	38·4	47·6	66·7	69·1	61·2	+0·3	43·6	52·9	53·4	50·0

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

A.

at 36 stations in India, etc., in April, 1907.

Vapour tension in inches of mercury.					Humidity.					Cloud.				Wind direction.										Wind steadiness.		Wind velocity.		Rainfall.		Station.*	Number of subdivisions.
														Total number of 10 hrs. and 16 hrs. winds from																	
From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean 10 hrs.	Mean 16 hrs.	Mean of two previous columns.	Departure from normal.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Mean wind direction.	Normal mean wind direction of month.	Average percentage.	Normal percentage.	Mean velocity in miles per diem.	Normal.	Total rainfall for the month.	Heaviest rainfall during the month.		
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
																									%	%					I.—Burma.	
·779‡	·784	·737	·786	—·021	86‡	59	47	69	— 2	3·8	4·2	4·0	+0·6		4	2	1	1	37	3	9	3	S 18° W	S 24° W	57	57	49*	134	0·03	0·03	Rangoon . .	2
																															III.—Bengal.	
·698	·747	·682	·741	—·056	83	60	49	69	— 1	4·4	6·2	5·3	+2·7			4	1	6	8	32	3	6	S 38° W	S 30° W	59	69	127	168	1·25	0·42	Calcutta . .	6
																															IV.—United Provinces of Agra and Oudh.	
·463	·412	·313	·415	+ 041	62	32	20	40	+ 8	4·4	4·8	4·6	+2·9	8	5	5	5	2	2	4	18	16	N 58° W	N 54° W	43	35	111*	127	0·76	0·21	Allahabad. .	10
·389	·414	·377	·398	+ ·087	74	46	38	55	+18	4·1	6·0	5·1	+2·3	1	4	6	8	10	14	7	3	1	S 32° E	N 85° W	37	28	51§	55	0·97	0·77	Dehra Dun .	11
																															V.—Punjab.	
·490	·512	·496	·518	+ ·123	80	51	41	59	+18	3·7	3·7	3·7	+0·8	7	6	6	3	8	4		9	17	N 33° W	N 15° W	25	28	61*	77	1·48	0·36	Lahore . .	12
																															VIII.—Rajputana.	
·405	·396	·332	·390	+ ·057	57	32	23	39	+ 9	3·3	6·0	4·7	+2·2	1	1	4	4	5	6	7	16	16	N 88° W	N 57° W	37	58	122	120	1·09	0·64	Jaipur . .	19
·401	·417	·409	·399		53	31	27	36		2·9	4·5	3·7		3	3	3	2	2	5	10	23	9	S 86° W		52		121*		0·66	0·61	Udaipur.	
																															IX—Bombay.	
·750	·781	·792	·799	—·042	77	66	65	72	— 5	4·6	3·8	4·2	+2·6		3	7	1	3		1	15	30	N 48° W	N 60° W	65	56	220	254	0·06	0·04	Bombay . .	26
																															XI.—Central Provinces.	
·385	·404	·342	·369	+ ·080	51	35	25	36	+13	3·8	6·4	5·2	+2·9	1	9	4	2	2	2	6	16	18	N 5° W	N 33° W	53	58	197*	216	0·72	0·23	Buldana . .	24
·499	·528	·483	·511	+ ·109	67	43	34	49	+19	3·8	4·8	4·3	+1·1	3	7	1	3	14	6	9	7	10	S 42° W	N 66° W	17	22	92*	144	1·06	0·56	Nagpur.	
																															XII.—Hyderabad.	
·578	·570	·530	·575	+ ·011	73	48	37	55	+ 9	2·6	5·2	3·9	+1·1	31	1	9	8	1			3	7	N 31° E	S 9° W	23	5	71*	108	5·55	1·40	Hyderabad .	29
																															XIII.—Mysore.	
·564	·601	·461	·562	+ ·007	85	58	37	62	+ 7	4·2	4·6	4·4			4	7	15	13	8	5	3	5	S 67° E	S 27° W	35	38	151*	115	4·33	3·22	Bangalore . .	30
·596	·626	·510	·597	+ ·008	83	59	40	63	+ 4	5·7	7·0	6·4	+0·7		4	10	14	10	5	7	6	4	S 78° E	N 85° E	25	12	153*	190	2·73	1·26	Mysore.	
																															XIV.—Madras.	
·685	·740	·670	·698		86	63	51	66		4·8	7·4	6·1		18	1	3	3	12	3	6	6	8	S 19° W		12		53*		11·95	2·31	Periyakulam .	32
·791	·775	·706	·757		87	59	49	65		6·0	6·7	6·4		3	4	2	6	19	16	5	2	3	S 27° E		48		183*		3·13	1·57	Pudukkottai.	
·860	·867	·898	·897	—·003	95	65	69	79	+ 1	4·1	3·1	3·6	+0·1		1		12	29	9	5	2	2	S 40° E	S 36° E	67	83	156	182	0·12	0·10	Madras.	
																															Stations in the Bay.	
·839	·890	·861	·888	—·071	85	67	63	75	— 5	3·2	4·1	3·7	—0·9	4	8	26	12	2		1		7	N 42° E	N 89° E	65	51	82*	115	0·85	0·68	Port Blair .	1
																															Kashmir.	
·265	·373	·475	·350	+ ·020	84	79	78	80†	+ 2	5·1	7·0	6·1	+1·1	10	6	3	1	9	5	3	2	21	N 45° W	N 18° W	22	19	106*	115	4·35	1·17	Srinagar .	14
·122	·113	·099	·111	— ·003	69	40	27	45	0	5·9	6·2	6·1	—0·4		11	10	3	2	11	10	11	2	W	S 63° W	13	27	40	74	0·25	0·15	Leh.	
																															Baluchistan.	
·244	·262	·247	·244	—·007	74	42	37	51	+ 3	2·4	4·4	3·4	+0·1	23	5		3	8	8	1	3	9	N 27° W	N 78° W	5	35	48*	84	1·93	0·84	Quetta . .	16

* Corrected. † Mean of three previous columns. § Mean of 27½ days.

Table

Abstract of observations taken at 10 hrs. and 16 hrs., at 36 stations

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure.						Temperature of air.										Temperature, wet-bulb.			
			Mean of 10 hrs.	Mean of 16 hrs.	Mean daily range.	Mean of daily mean pressures.	Departure from normal.	Mean reduced to sea-level and gravity 45° Lat.	Mean maximum.	Mean minimum.	Mean daily range.	Highest maximum.	Lowest minimum.	Absolute range.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of three previous columns.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	Hill Stations excluding Kashmir and Baluchistan.																					
	Simla	7,224	23·107	23·052	·055	23·072	−·026	23·034	61·1	49·3	11·8	71·3	38·3	33·0	57·0	57·7	55·8	−3·5	42·7	47·5	49·0	46·4
	Sarain		·157	·097	·060	·117			62·3	40·1	22·2	71·0	32·9	38·1	57·6	55·7	51·8			47·2	47·8	
	Kalabagh													Observations not received.								
	Chakrata	7,022	·287	·240‡	·047	·252	−·017	·212‡	64·8	48·2	16·6	71·8	37·3	34·5	60·6	58·1	57·1	−4·7	43·6	52·4	51·7	49·3
	Muktesar	7,556	22·875	22·809	·066	22·834		22·792	63·4	48·6	14·8	70·1	38·4	31·7	57·6	58·7	56·6		42·0	47·6	49·5	46·4
	Katmandu	4,388	25·625	25·510	·115	25·566	+·017	25·520	77·6‡	53·4	24·2	85·8	44·9	40·9	69·2	73·8‡	66·0	−1·1	51·2	59·6	60·6	57·1
	Darjeeling	7,376	22·938	22·963	·035	22·979	−·008	22·934	58·7	46·2	12·5	65·4	39·3	26·1	55·2	56·8	53·1	−3·1	44·4	52·4	54·4	50·4
	Pachmarhi	3,528	26·472†	26·361	·111	26·411	+·010	26·358†	85·3	65·1‖	20·2	91·9	54·7	37·2	78·0†	82·7	75·8‖	−5·9	55·7‖	61·9¶	62·0†	59·9
	Mount Abu	3,945	·059	25·977	·082	·012	−·010	25·962	79·9	65·7	14·2	85·2	57·6	27·6	74·3	77·7	73·4	−4·6	56·1	59·9	60·7	58·9
	Chikalda	3,642	·359	26·252	·107	·300	−·003	26·244	85·9	66·7	19·2	92·7	62·4	30·3	78·2	83·0	76·9	−6·2	57·3	61·6	62·6	60·8
	Ootacamund	*7,329*	23·085	23·008	·077	23·045		22·980	68·0	51·1	16·9	70·7	46·0	24·7	65·2	62·9	60·2		47·3	54·8	55·0	52·4
	Kodaikanal	7,688	22·860	22·782	·078	22·821		·756	67·3	52·2	15·1	72·4	48·1	24·3	63·1	60·4	57·7		47·9	55·8	56·2	53·3
	Dodabetta	8,539†	·081	·014	·067	·048		21·984	61·1	49·9	11·2	64·8	47·8	17·0	58·9	57·9	56·1		48·0	52·5	52·8	51·1
	Extra India.																					
	Minicoy	7	29·924	29·844	·080	29·888		29·821	89·7			93·4			86·2	86·4				79·0	78·9	
	Zanzibar	72	·919‡	·800‡	·119	·861	−·034	·862‖	84·1	77·5	6·6	88·7	74·8	13·9	81·0	83·2	79·0	−0·4	74·0	77·0	77·5	76·2
	Diego Garcia													Observations not received.								
	Seychelles	15	·920	·825	·095	·876	−·030	·814	85·6	78·8	6·8	87·7	76·3	11·4	83·2	84·2	81·0	+1·6	73·7	77·5	77·6	76·3
	Mauritius	181				·805	−·028	·932				84·2	62·2	22·0			75·3	0				71·4

N. B.—Elevations in italics indicate barometrical determinations. ¶ Mean of 26 days. ‖ Mean of 28 days. ‡ Mean of 29 days.

NOTE.—The barometrical readings are not reduced to sea-level, in the cases of hill or plateau stations, the elevations of which exceed 3,200 feet. † Mean of 27 days.

A—*concluded.*

in India, etc., for April, 1907—concluded.

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
																															Hill Stations excluding Kashmir and Baluchistan.	
																									%	%						
·207	·231	·260	·226	+·015	60	50	56	55	+12	4·4	7·0	5·7	+2·5	1	17	2		7	25	2	2	4	S 1° E	N 81° W	17	10	143°	149	4·11	1·21	Simla.	
	·219	·254				47	59			4·4	6·6	5·5		12	6	9		1	15	11	5	1	S 32° W		20		80°		2·72	1·06	Sanain.	
										Observation not received.																					Kalabagh.	
·240	·312	·325	·286	+·081	71	59	66	65	+23	4·4	6·6	5·5	+1·9	10	1	6		16	25	1		1	S 24° E	S 54° W	57	23	186°	180	3·43	1·31	Chakrata.	
·202	·230	·263	·225		60	50	55	55		5·3	7·1	6·2		15			4		4	1	36		S 82° W		55		170°		3·18	0·99	Muktesar.	
·354	·405	·382‡	·373	+·013	86	58	47‡	64	+ 6	4·1	5·5	4·8	+0·8	2	1	1	19				32	5	N 71° W	N 87° W	28	42	18	36	1·74	0·51	Katmandu.	
·276	·369	·402	·342	+·023	87	84	86	86	+10	7·6	7·6	7·7	+1·5	5	1	5				21	17	11	S 86° W	S 75° W	60	32	133° †	206	4·21	1·18	Darjeeling.	
·312‖	·369¶	·325†	·337	+·066	56‖	40¶	31†	41	+14	3·5	4·1	3·8	+1·3		3	6	2	2	1	20	11	12	S 88° W	N 63° W	46	44	171°	144	1·81	0·97	Pachmarhi.**	
·342	·354	·338	·337	+·092	55	43	36	44	+18	2·9	4·6	3·8	+2·0			2				28	19	11	S 77° W	S 87° W	77	56	197°	211	0·60	0·26	Mount Abu.	
·368	·360	·362	·352	+·074	56	38	33	41	+15	4·2	5·5	4·9	+2·2	15	8	6		2	2	15		12	N 63° W	N 46° W	25	35	196°	197	1·52	0·98	Chikalda.	
·289	·324	·353	·317		77	52	62	65		4·5	7·4	6·0			2	14	21	16	2		2	3	N 89° E		63		117°		3·91	1·97	Ootacamund.	
·297	·375	·414	·362		76	65	79	73		4·8	7·7	6·3			10	14	17	3	1	1	4	1	N 78° E		47		253		6·26	2·66	Kodaikanal.	
·318	·330	·349	·332		88	66	73	76		5·1	8·0	6·6			9	22	19	7	1	1		1	N 64° E		71		356°		3·03	1·34	Dodabetta.	
																															Extra India.	
	·895	·886				72	71			5·5	6·1	5·8			10	19	9	4	4	4	4	6	N 38° E		38		146°		4·86	2·23	Minicoy.	
·797	·876	·869	·887	−·003	84	83	77	85	0	7·5	7·4	7·5	+1·5	4	1	1	1	10	22	17	4		S 10° W	S 5° E	67	81	141°	170	6·68	2·15	Zanzibar.	
										Observation not received.																					Diego Garcia.	
·768	·874	·866	·861	−·002	77	76	74	79	− 1	6·3	6·9	6·6	+1·5 ††	21	1	1	5	15	3		8	6	S 28° E	N 8° E	15	9	123	112	4·89	0·78	Seychelles.	
			·698	−·006				80	− 1			6·9	+1·2										S 82° E	S 70° E			218	252	8·57	3·38	Mauritius.	

* Corrected.

** Wind observations 3 less.

†† Departure from old normal.

G. I. C. P. O.—No. 251 D, S. G.—10-4-07—385.

Table B.—Abstract of observations taken at 8 hrs., at 235 stations in India, etc., in April, 1907.

(1) Provincial means.

(2) Data of stations.

(1) Provincial means based on the material in Table B (2) except that the statement of rainfall depends on the complete data of about 2,500 stations.

	Pressure departure from normal.	Temperature of air.								Wind.		Hygrometry.				Cloud.		Rainfall.		
		Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of 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	95·1	—1·3	73·4	—0·6	84·3	— 1·0	21·7	31·7	—0·4	—13	72	0	·734	—·029	3·6	+0·1	0·48	1·46	—0·98
Eastern Bengal and Assam	+·029	87·3	—3·2	68·4	—2·5	77·9	—2·9	18·9	36·1	—1·5	— 4	83	+ 2	·708	—·051	4·8	+0·3	7·61	6·52	+1·09
Bengal	+·037	93·4	—5·5	71·4	—3·0	82·5	—4·3	22·0	38·5	—1·5	—10	66	+ 3	·648	—·044	3·8	+1·3	1·91	1·11	+0·80
United Provinces of Agra and Oudh	+·035	93·7	—6·9	68·0	—2·6	80·9	—4·8	25·7	43·3	—0·2	+ 1	57	+15	·523	+·084	3·2	+1·7	0·92	0·18	+0·74
Punjab	+·032	88·6	—8·5	65·3	—1·7	77·0	—5·1	23·3	45·4	—0·1	+ 1	63	+17	·516	+·082	3·2	+1·0	1·92	0·42	+1·50
North-West Frontier Province	+·013	84·9	—5·9	62·3	—1·2	73·6	—3·6	22·6	44·7	—2·2	0	69	+11	·510	+·031	4·4	+1·6	3·81	1·31	+2·50
Sind	+·012	95·8	—3·0	72·2	+0·5	84·0	—1·2	23·5	40·2	—1·1	+11	60	+ 6	·602	+·027	3·6	+1·7	0·16	0·13	+0·03
Rajputana	+·018	96·5	—5·6	71·7	—0·7	84·1	—3·2	24·8	41·5	+1·0	+ 1	45	+12	·459	+·083	2·6	+0·8	0·48	0·09	+0·39
Bombay	+·015	93·6	—3·4	73·1	—0·8	83·4	—2·1	20·4	32·0	—1·0	0	66	+ 5	·679	+·005	3·5	+1·5	1·39	0·48	+0·91
Central India	+·026	94·4	7·3	70·3	—0·7	82·4	—4·0	24·1	39·9	—1·2	— 2	48	+13	·479	+·064	5·7	+4·4	0·50	0·07	+0·43
Central Provinces	+·038	95·7	—7·8	70·6	—3·6	83·2	—5·7	25·1	41·3	+0·6	+ 7	51	+16	·497	+·061	4·5	+2·6	1·55	0·29	+1·26
Hyderabad	+·037	95·3	—6·3	72·6	—3·7	84·0	—5·1	22·8	35·6	—0·4	+ 3	61	+11	·612	+·020	3·6	+0·7	4·05	0·58	+3·47
Mysore	+·013	89·5	—4·0	68·3	—1·1	78·9	—2·6	21·2	30·9	—1·0	—24	72	+ 2	·632	—·014	4·2	+0·5	3·49	1·20	+2·29
Madras	+·024	93·0	—2·4	76·2	—1·1	84·7	—1·8	16·8	26·6	0	— 3	76	+3	·833	—·001	4·3	+0·6	3·07	1·22	+1·85

Table

(2) *Abstract of observations taken at 8 hrs., at 235 stations*

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
	I.—Burma.																						
2	Mergui	119	29·815	+·015	29·867	29·911	3rd	29·738	30th	·173	81·7	92·5	+0·6	74·1	+0·4	83·3	+0·5	18·4	94·9	16th, 17th & 30th.	70·4	11th	24·5
	Tavoy	19	29·939	+·018	29·890	30·038	3rd	29·803	30th	·235	79·6	94·2	+0·2	73·2	−1·0	83·7	−0·4	21·0	99·0	24th	69·8	11th	29·2
	Moulmein	94	29·833	+·016	29·865	29·934	8th	29·730	30th	·204	83·1	95·0	+0·4	77·1	+0·7	86·1	+0·6	17·9	99·0	14th	71·3	7th	27·7
	Rangoon	36	29·876	+·003	29·849	29·979	8th	29·774	30th	·205	79·8	97·0	−1·6	76·2	0	86·6	−0·8	20·8	101·1	20th	73·4	4th	27·7
	Bassein	27†	29·890	+·021	29·854	29·997	8th	29·797	30th	·200	81·0	95·6	−0·6	75·0	·0·5	85·3	−0·6	20·6	97·7	13th	68·9	7th	28·8
	Diamond Island	41	29·881	+·006	29·857	29·987	8th	29·788	30th	·199	82·9	86·7	−2·0	78·9	+0·6	82·8	−0·7	7·8	89·9	10th	75·7	7th	14·2
	Toungoo	182	29·712	+·009	29·837	29·820	8th	29·578	29th	·242	82·3	99·6	−0·8	76·3	+0·3	88·0	−0·3	23·3	103·4	23rd & 24th.	71·6	4th	31·8
	Akyab	20	29·882	+·004	29·846	29·984	4th	29·769	30th	·215	78·8	90·4	−1·4	74·4	−1·6	82·4	−1·5	16·0	92·9	1st	69·2	1st	23·7
3	Thayetmyo	121	29·771	+·026	29·833	29·890	8th	29·659	30th	·231	84·7	103·4	+0·4	74·4	−1·4	88·9	−0·5	29·0	108·5	29th	68·9	6th, 8th & 12th, 6 days	39·6
	Minbu	*165*	29·692	+·001	29·801	29·828	10th	29·595	30th	·233	82·7	102·1	−1·3	76·1	−0·8	89·1	−1·1	26·0	107·1	29th	72·1		35·0
	Yamethin	657	29·195	−·066	29·802	29·294	5th	29·097	24th	·197	81·6	98·5	−3·8	75·8	−0·3	87·2	−2·1	22·7	102·3	25th	70·2	15th	32·1
	Mandalay§	250	29·608	+·012	29·807	29·771	9th	29·502	24th	·269	83·1	101·2	−1·1	76·6	−1·2	88·9	−1·2	24·6	108·1	30th	70·3	8th	37·8
	Monywa	*280*	29·613		29·832	29·748	9th	29·492	24th	·256	80·7	99·9		73·2		86·6		26·7	107·7	27th	68·1	21st	39·6
	Lashio	*2,751*	27·083	−·030	27·029	27·203	9th	26·995	30th	·208	68·4	86·7	−4·2	61·6	−1·3	74·2	−2·8	25·1	92·5	4 days	54·0	7th	38·5
	Bhamo	*381*	29·500	+·028	29·844	29·631	9th	29·381	24th	·250	71·3	90·5	−3·4	65·6	−2·0	78·0	−2·7	24·9	97·4	25th	59·2	2nd	38·2
	Myitkyina	458	29·399		29·824	29·528	5th	29·272	24th	·256	72·4	88·0		66·4		77·2		21·6	95·7	24th	57·1	1st	38·6
	II.—Eastern Bengal and Assam.																						
4	Dibrugarh	353	29·537		29·861	29·656	5th	29·401	27th	·255	68·3	78·2		64·8		71·5		13·4	87·4	11th & 23rd.	59·0	7th	28·4
	Sibsagar	333	29·571	+·024	29·869	29·695	5th	29·421	27th	·274	69·2	80·1	−2·4	64·3	−2·2	72·2	−2·3	15·8	87·6	24th & 25th.	57·2	2nd & 3rd.	30·4
	Tezpur	252	29·632		29·849	29·789	5th	29·490	27th	·299	70·3	82·6		66·3		74·5		16·3	90·6	28th & 29th.	57·5	1st	33·1
	Gauhati	195	29·693		29·849	29·833	5th	29·552	24th	·281	70·3	84·1		66·1		75·1		18·0	92·5	28th	54·6	1st	37·9
	Dhubri	115	29·742	+·021	29·815	29·871	4th	29·587	24th	·284	71·8	84·7	−4·0	67·6	−3·1	76·2	−3·6	17·1	94·2	26th	59·8	2nd	34·4
	Silchar	104	29·799	+·022	29·858	29·900	4th	29·664	24th	·236	72·6	84·9	−3·6	67·1	−2·1	76·0	−2·9	17·8	91·5	24th & 25th.	60·4	2nd	31·1
5	Chittagong	87	29·818	+·027	29·854	29·920	4th	29·710	24th	·210	77·3	88·6	−0·3	71·2	−2·5	79·9	−1·4	17·4	94·6	1st	64·9	6th	29·7
	Noakhali	43	29·837		29·827	29·944	4th	29·725	24th	·219	78·5	86·9		72·1		79·5		14·8	90·3	25th & 27th.	64·4	1st & 6th.	25·9
	Barisal	12	29·866	+·033	29·824	29·965	4th	29·744	24th	·221	80·0	90·3	−1·8	73·0	−2·5	81·7	−2·2	17·3	97·3	25th	66·6	6th & 14th.	30·7
	Comilla	36	29·846		29·830	29·953	4th	29·722	24th	·231	77·1	89·7		70·8		80·3		18·9	94·8	25th	62·8	5th	32·0
	Narayanganj	26	29·845	+·034	29·820	29·972	10th	29·711	24th	·261	77·4	89·9	−3·3	71·8	−2·5	80·9	−2·9	18·1	96·0	25th	63·8	6th	32·2
	Faridpur	46	29·820		29·817	29·919	10th	29·688	24th	·231	77·6	90·9		70·3		80·6		20·6	98·8	25th & 26th.	61·0	2nd	37·8
	Sirajganj	49	29·617		29·816	29·912	2nd	29·663	24th	·249	74·9	90·4		69·7		80·1		20·7	100·3	25th & 26th.	59·8	1st	40·5
	Mymensingh	63	29·817	+·037	29·831	29·917	4th	29·672	24th	·245	75·7	88·3	−2·5	69·7	−2·5	79·0	−2·5	18·6	98·2	25th	61·0	1st	37·2
	Bogra	75	29·776	+·026	29·805	29·875	2nd	29·631	24th	·244	75·3	91·0	−5·2	69·4	−2·5	80·2	−3·9	21·6	101·3	25th	60·2	1st	41·1
	Rampur Boalia	70	29·774		29·795	29·873	2nd	29·633	24th	·240	78·1	93·4		66·9		80·2		26·5	103·0	25th & 26th.	57·6	1st	45·4
	Malda	72	29·763†		29·788†	29·851	2nd	29·602	24th	·249	76·0	90·8		67·4		79·1		23·4	100·8	25th	57·3	1st	43·5
	Dinajpur	123	29·725	+·036	29·806	29·826	4th	29·556	24th	·270	74·2	89·6	−5·0	66·6	−4·1	78·1	−4·6	23·0	99·8	27th	53·4	1st	46·4
	Rangpur	123	29·745		29·826	29·864	4th	29·617	26th	·247	74·6	87·7		68·1		78·0		19·6	97·6	26th	56·6	2nd	41·0

† Mean of 28 days.

§ Observations of 29 days.

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

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

B.

in India, etc., in April, 1907.

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. 1906 to 30th April 1907.	Normal rainfall for period, 1st Dec. to 30th April.	Departure from normal of period, 1st Dec. 1906 to 30th April 1907.	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.
18	4	2		1	2	1	1	1	N 7° W	N 8° W	2·6	2·3	+0·3	9	−48	80	−1	·860	−·033	2·1	−2·5	5	6·70	−1·70	2·55	6·54	−3·99	9·25	12·84	−3·59	1·40	Mergui.
30									*	N 27° W	1·3‡	1·6	−0·3	*		80	−3	·803	−·064	3·1	−1·2	0	5·30	−5·30	0·02	3·78	−3·76	3·48	5·94	−2·46	0·02	Tavoy.
19		1	1	3	1	3	1	1	S	S 34° E	3·4	3·9	−0·5	13	−32	74	−5	·839	−·022	4·3	+0·3	0	5·00	−5·00	0·07	3·11	−3·04	1·12	4·13	−3·01	0·03	Moulmein.
4	3				1	4	14	4	N 81° W	S 61° W	6·9	5·6	+1·3	66	−4	81	+1	·827	−·021	2·7	−0·4	0	2·20	−2·20	0·03	1·83	−1·80	3·54	2·55	+0·99	0·03	Rangoon.
3	3					1	12	11	N 64° W	N 55° W	6·4‡	6·1	+0·3	72	+5	79	0	·840	−·030	2·8	−0·7	0	2·10	−2·10	0	1·55	−1·55	3·28	2·12	+1·16	0	Bassein.
1	5	2	1				1	20	N 32° W	N 47° W	10·5	8·5	+2·0	79	+16	78	+4	·892	+·043	2·8	−1·4	0	2·09	−2·09	0	1·46	−1·46	1·78	2·49	−0·71	0	Diamond Island.
13			1	9	4	3			S 23° E	S 23° E	3·6	4·6	−1·0	43	−31	73	0	·796	−·052	3·4	+0·6	1	3·10	−2·10	2·58	2·28	+0·30	6·80	2·79	+4·01	2·46	Toungoo.
3	6	10	7		1	2		1	N 46° E	N 48° E	5·0	3·8	+1·2	53	+6	84	+4	·839	−·046	4·6	+0·1	1	1·80	−0·80	0·20	1·28	−1·08	1·40	2·68	−1·28	0·20	Akyab.
	1			3	6	4	8	8	S 73° W	S 10° W	5·8‡	6·5	−0·7	49	−14	54	−8	·650	−·085	2·5	+1·4	0	1·60	−1·60	0·07	0·90	−0·83	1·21	1·14	+0·07	0·07	Thayetmyo.
3				3	2	5	4	8	S 53° W	S 45° E	8·1	9·7	−1·6	33	−15	58	−2	·658	−·019	2·6	+1·4	1	1·20	−0·20	0·82	0·85	−0·03	2·27	1·55	+0·72	0·73	Minbu.
30									*	S 28° E	3·3	6·8	−3·5	*		68	+3	·735	−·007	3·6	+2·6	3	3·60	−0·60	3·05	1·52	+1·53	6·31	2·68	+3·63	1·71	Yamethin.
3	1			5	6	4	4	6	S 47° W	S 3° W	5·1	6·3	−1·2	36	−11	59	0	·661	−·049	0·2	−2·2	1	2·40	−1·40	0·38	1·12	−0·74	1·12	1·67	−0·55	0·36	Mandalay.
14				2	1	3	10		N 68° W		2·3			40		58		·614		3·3		2	2·00	0	1·07			1·18	1·09	+0·08	0·70	Monywa.
21	1	4	1		1			2	N 30° E		4·0‡			17		71	+1	·500	−·011	5·6	+0·1	4			1·37	2·20	−0·83	3·26	4·12	−0·86	0·38	Lashio.
23	1	5				1			N 37° E	N 14° W	2·2	4·2	−2·0	17	−16	81	+7	·621	−·013	6·6	+2·8	3	4·80	−1·80	1·43	1·66	−0·23	4·98	3·85	+1·12	0·85	Bhamo.
21	1	4	4						N 61° E		8·3‡			27		77		·604		6·6		5			1·71			4·31			0·48	Myitkyina.
																																II.—Eastern Bengal and Assam.
20		5	5						N 67° E		0·8			33		95		·657		7·4		17	13·50	+3·50	12·52			21·01	19·99	+1·02	2·17	Dibrugarh.
5	7	8	1			2	4	3	N 4° W	N 48° E	3·2	3·3	−0·1	43	−10	92	+2	·652	−·037	5·0	−1·9	15	14·50	+0·50	6·83	·50	−2·6	16·99	18·47	−1·48	1·65	Sibsagar.
17		8							N 73° E		6·3			43		87		·642		6·1		11	11·00	0	4·81			10·67	10·55	+0·12	1·27	Tezpur.
7	5	9	2	2	2	1	1	1	N 43° E		4·4			33		85		·639		5·4		14	10·20	+3·80	9·57			18·51	10·30	+8·21	2·19	Gauhati.
1	1	2	22			2	1	1	S 89° E	N 72° E	7·7	8·7	−1·0	72	+9	84	+5	·659	−·028	6·9	+1·9	12	7·40	+4·60	8·04	4·73	+3·31	13·43	7·59	+5·84	1·50	Dhubri.
30									*	N 82° E	1·0	3·4	−2·4	*		84	+1	·676	−·054	4·9	−1·2	19	13·70	+5·30	19·42	13·61	+5·81	34·18	25·72	+8·46	2·37	Silchar.
		6	4	13	1	4		2	S 62° E	S 47° E	5·5	6·9	−1·4	46	−11	81	+1	·773	−·067	5·4	+1·0	9	1·42	+4·58	4·89	3·85	+1·04	6·69	8·72	−2·03	1·58	Chittagong
10			3	2	7	4	4		S 10° W		4·1			37		85		·827		3·7		9	4·61	+4·39	5·23	4·66	+0·57	13·40	9·23	+4·17	1·36	Noakhali.
4				4	9	10	2	1	S 21° W	S 8° W	2·9	5·7	−2·8	66	+11	83	+1	·851	−·052	3·2	−1·7	8	4·29	+3·71	4·56	3·12	+1·44	10·90	7·39	+3·51	2·22	Barisal.
6		1	2	2	19				S 11° E		4·5			69		85		·801		3·5		11	6·46	+4·54	10·23	6·27	+3·96	13·17	10·74	+2·43	2·78	Comilla.
1		2	7	5	3	10	2		S 14° E	S 10° E	4·5	7·3	−2·8	40	−17	93	+1	·786	−·064	5·8	−0·1	7	6·59	+0·41	6·33	4·51	+1·82	11·34	9·08	+2·26	2·24	Narayanganj
2	3		1	7	12	4	1		S 7° E		4·2			56		83		·784		3·9		6	6·00	0	4·59	4·16	+0·43	10·07	8·35	+1·72	1·53	Faridpur.
14		1	3	5	3	4			S 24° E		3·5			33		82		·709		5·6		6	4·60	+1·40	4·54	2·95	+1·59	7·11	5·70	+1·41	1·09	Sirajganj.
1		1	15	11	1	1			S 69° E	S 68° E	3·3	4·3	−1·0	79	+9	81	−1	·721	−·051	6·8	+1·5	5	6·23	−1·23	4·45	5·37	−0·92	7·32	8·98	−1·66	2·19	Mymensingh.
13		1	13		2	1			S 81° E	S 63° E	3·8	4·6	−0·8	43	−16	76	−1	·666	−·094	5·7	+1·9	5	3·81	+1·19	3·23	2·07	+1·16	6·23	4·84	+1·39	1·34	Bogra.
21	1			1	1	4	2		S 45° W		4·0			20		72		·689		3·5		5	2·95	+2·05	3·10	1·81	+1·29	5·78	4·21	+1·57	1·92	Rampur Boala.
5	3	6	2	3	1	7	3		S 21° E		3·1‡			3		72		·643		2·2		3	1·81	+1·19	0·87	1·35	−0·48	5·43	3·84	+1·59	0·86	Malda.
1		10	10	2	1	1	4	1	S 69° E	N 86° E	4·5	5·6	−1·1	46	−2	77	+5	·657	−·022	4·8	+0·7	6	3·21	+2·79	3·07	2·33	+0·74	5·75	3·92	+1·83	1·60	Dinajpur.
5		9	6	4	2	3	1		S 85° E		8·0			40		85		·728		1·6		6	4·39	+1·61	3·70	3·16	+0·54	6·59	5·33	+1·26	2·80	Rangpur.

Indeterminate.

‡ Uncorrected readings.

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

Table

(2) *Abstract of observations taken at 8 hrs., at 235 stations*

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.											
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	Jalpaiguri	284	29·580	+·032	29·829	29·691	4th	29·421	24th	·270	71·9	85·8	−3·7	66·8	−1·4	76·3	−2·6	19·0	93·4	28th	54·1	1st	39·3
	Cooch Behar	156	29·711		29·826	29·828	4th	29·554	24th	·274	72·6	85·6		67·3		76·5		18·3	93·4	27th	53·7	1st	39·7
	III.—Bengal.																						
6	Saugor Island	25	29·841	+·038	29·810	29·936	4th	29·721	24th	·215	82·0	88·6	−2·2	77·8	−2·1	83·3	−2·2	10·8	92·4	20th	69·0	13th	23·4
	Midnapore	149	29·697		29·794	29·790	1st	29·581	24th	·209	80·3	96·5		73·9		85·2		22·6	105·4	6th, 25th & 26th.	68·2	14th	37·2
	Calcutta	21	29·839	+·037	29·806	29·923	1st & 2nd.	29·718	24th	·205	80·0	93·4	−2·2	73·9	−1·8	83·7	−2·0	19·5	103·1	26th	67·2	2nd	35·9
	Jessore	32	29·818	+·023	29·798	29·907	2nd	29·696	24th	·211	79·3	92·0	−5·2	72·0	−3·1	82·0	−4·2	20·0	102·0	26th	63·7	2nd	38·3
	Krishnagar	47	29·794		29·790	29·853	2nd	29·665	24th	·228	77·5	93·4		72·0		82·7		21·4	103·1	26th	64·0	2nd	39·1
	Burdwan	98	29·747	+·036	29·796	29·847	2nd	29·627	24th	·220	78·9	95·5	−5·1	73·5	−2·2	84·5	−3·7	22·0	104·4	26th	67·8	2nd	36·6
	Bankura	313	29·523		29·788	29·616	2nd	29·407	24th	·209	80·9	97·5		74·2		85·9		23·3	105·6	26th	67·7	1st	37·9
	Raniganj	334	29·521		29·813	29·614	1st	29·402	24th	·212	77·7	96·2		72·1		84·1		24·1	104·5	25th & 26th.	62·1	1st	42·4
	Berhampore	67	29·777	+·037	29·794	29·878	2nd	29·648	24th	·230	79·0	96·1	−3·9	71·9	−2·7	84·0	−3·3	24·2	105·3	25th	64·7	1st	40·6
	Naya Dumka	489	29·350		29·803	29·448	2nd	29·229	24th	·219	77·9	94·6		70·1		82·4		24·5	103·0	24th & 25th.	61·5	1st & 2nd.	41·5
7	Balasore	50	29·809	+·039	29·802	29·912	1st	29·702	24th	·210	80·3	93·7	−3·8	74·3	−1·7	84·0	−2·8	19·4	102·5	25th	67·9	14th	34·6
	False Point	21	29·859	+·037	29·822	29·955	4th	29·749	30th	·206	81·0	88·0	−1·9	74·7	−2·9	81·4	−2·4	13·3	96·1	27th	68·6	16th	27·5
	Cuttack	80	29·792	+·039	29·816	29·867	1st	29·685	24th.	·182	80·1	97·0	−5·0	75·3	−2·7	86·2	−3·9	21·7	104·4	7th & 25th.	70·2	12th & 17th.	34·2
	Puri	24	29·848		29·831	29·964	4th	29·756	30th	·208	81·3	87·5*		76·4*		82·0*		11·1	89·1	26th & 27th.	68·6	17th	20·5
	Angul	455	29·412		29·831	29·498	4th	29·311	24th	·187	79·1	95·4		72·8		84·1		22·6	103·2	8th & 9th.	66·1	12th	37·1
	Sambalpur	486	29·383	+·043	29·821	29·472	1st & 4th.	29·273	30th	·199	79·9	95·4	−8·9	72·9	−2·7	84·1	−5·8	22·5	104·1	8th & 9th.	64·6	2nd	39·5
8	Chaibassa	*760*	29·082	+·040	29·798	29·162	1st	28·984	30th	·178	78·7	97·5	−6·1	72·4	−3·6	85·0	−4·9	25·1	105·4	8th, 9th & 26th.	64·7	2nd	40·7
	Ranchi	2,128	27·731	+·032	29·814	27·809	2nd	27·634	30th	·174	76·1	89·5	−7·6	68·5	−3·6	79·0	−5·6	21·0	97·2	9th	61·5	14th	35·7
	Purulia	*816*	29·018		29·792	29·121	1st	28·912	24th	·209	76·7	97·0		71·8		84·4		25·2	104·7	25th, & 26th.	64·6	1st	40·1
	Hazaribagh	2,007	27·837	+·029	29·796	27·917	2nd	27·751	30th	·166	77·9	89·9	−8·2	68·4	−4·1	79·2	−6·2	21·5	96·7	10th & 24th.	59·2	14th	37·5
	Daltonganj	*730*	29·096		29·797	29·193	1st	29·016	30th	·177	73·5	95·7		67·8		81·8		27·9	104·1	8th & 10th.	53·5	1st	50·6
9	Purnea	123	29·719	+·045	29·801	29·821	4th	29·562	24th	·259	73·8	99·6	−6·4	65·5	−4·5	78·1	−5·5	25·1	99·8	26th	55·7	1st	44·1
	Bhagalpur	160	29·684		29·798	29·784	2nd	29·532	24th	·252	79·4	93·4		68·7		81·1		24·7	102·7	25th	59·8	1st	42·9
	Monghyr ¶	155	29·654		29·762	29·716	13th	29·544	24th	·172	80·4	93·1		71·4†		82·4†		21·7	100·4	25th	64·9	15th	35·5
	Darbhanga	165	29·673	+·042	29·796	29·767	4th	29·517	24th	·250	74·6	91·0	−5·1	67·2	−4·7	79·1	−4·9	23·8	100·6	25th	55·8	1st	44·8
	Pusa	166	29·672			29·766	2nd	29·512	24th	·254	75·9	92·0‡		66·4*		79·6†		25·6	102·1	25th	56·7	1st	45·4
	Muzaffarpur	178	29·660		29·797	29·757	2nd	29·504	24th	·253	77·8	91·0		67·8		79·4		23·2	100·8	25th	58·0	1st	42·8
	Motihari	224	29·607		29·796	29·711	2nd	29·453	24th	·258	72·9	91·3		66·5		78·9		24·8	100·4	25th	55·2	1st	45·2
	Chapra	181	29·645		29·784	29·738	2nd	29·523	24th	·215													
	Patna	183	29·643	+·036	29·782	29·739	2nd	29·517	24th	·222	79·1	92·2	−8·4	71·0	−2·5	81·6	−5·5	21·2	100·0	25th	60·3	1st	39·7
	Arrah	190	29·645		29·791	29·733	1st	29·541	24th	·192	78·1	93·8		69·8		81·8		24·0	101·9	24th & 25th.	59·6	1st	42·3
	Buxar	239	29·582		29·781	29·688	13th	29·499	27th	·189	77·1	94·2		71·3		82·8		22·9	101·0	24th, 25th & 26th.	62·0	1st & 2nd.	39·0
	Dehri	351	29·474		29·783	29·569	1st	29·379	24th	·190	79·3	95·8		73·2		84·5		22·6	103·9	24th	65·5	1st	38·4
	Gaya	375	29·450	+·036	29·782	29·552	2nd	29·350	24th	·202	79·7	95·0	−8·4	71·6	−3·3	83·3	−5·9	23·4	102·5	24th	62·7	1st	39·8
	IV.—United Provinces of Agra and Oudh.																						
10	Gorakhpur	257	29·566	+·051	29·785	29·649	2nd	29·431	24th	·218	77·6	93·4	−7·0	69·2	−3·2	81·3	−5·1	24·2	101·1	24th	57·1	2nd	44·0
	Benares	267	29·551	+·033	29·777	29·647	1st	29·453	24th	·194	79·3	95·2	−7·9	69·4	−2·5	82·3	−5·2	25·8	101·6	23rd & 24th.	57·1	2nd	44·5
	Allahabad	309	29·507	+·027	29·772	29·614	1st	29·418	24th	·196	80·3	97·7	−6·1	70·7	−1·7	84·2	−3·9	27·0	103·6	5 days	60·5	2nd	43·1

* Mean of 29 days. ¶ Observations of 21 days. NOTE.—The barometrical readings are not reduced to sea-level, in the cases of hill or plateau

N.B.—Elevations in italics indicate barometrical determinations. ‡ Mean of 21 days. † Mean of 20 days.

B—*continued.*

in India, etc., in April, 1907—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. 1906 to 30th April, 1907.	Normal rainfall for period, 1st Dec. to 30th April.	Departure from normal of period, 1st Dec. 1906 to 30th April 1907.	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
4	2	7	10	5	1		1		N 84° E	N 88° E	3·6			56	−11	82	+6	·639	−·038	3·4	+0·6	8	5·53	+ 2·47	5·71	3·85	+ 1·86	8·65	6·07	+ 2·58	3·48	Jalpaiguri.
7		6	15	1	1				N 81° E		2·5			66		83		·672		5·0		11	7·41	+ 3·59	11·94	5·88	+ 6·06	15·03	8·47	+ 6·56	1·92	Cooch Behar
																																III.—Bengal.
1	1	1			10	14	2	1	S 34° W	S 18° W	14·1§	17·9	−3·8	69	− 8	81	+1	·885	−·043	5·9	+0·1	4	2·00	+ 2·00	2·19	0·85	+ 1·34	10·49	3·84	+ 6·65	0·91	Saugor Island.
4	1	2	2	1	8	7		5	S 27° W		3·7			30		69		·694		3·1		5	3·10	+ 1·90	2·51	1·78	+ 0·73	5·52	5·29	+ 0·23	1·45	Midnapore.
	1		1	5	8	13		2	S 18° W	S 25° W	5·2§	7·0	−1·8	62	− 8	79	+1	·818	−·035	4·9	+1·5	5	2·92	+ 2·08	1·25	1·43	− 0·18	5·36	4·16	+ 1·20	0·42	Calcutta
16			2	3	5	4			S 6° E	S 1° E	1·8	4·1	−2·3	33	−19	80	−1	·801	−·086	5·6	+0·9	7	4·68	+ 2·32	3·51	3·18	+ 0·33	10·67	6·91	+ 3·76	0·82	Jessore.
2		2	2	3	11	5	4	1	S 11° W		3·5			49		80		·755		4·2		4	3·39	+ 0·61	4·12	2·43	+ 1·69	10·75	5·17	+5·58	2·05	Krishnagar.
8		2	4	1	1	8	3	3	S 51° W	S 27° W	2·4	4·8	−2·4	23	−37	73	+3	·718	−·046	5·3	+2·0	3	3·48	− 0·48	0·74	1·75	− 1·01	4·48	4·41	+ 0·07	0·31	Burdwan.
19			1		1	3	6		S 67° W		3·5			23		57		·585		2·4		1	3·00	− 2·00	0·33	1·53	− 1·20	5·57	4·33	+ 1·24	0·28	Bankura.
26	1					1		2	N 45° W		1·3			10		62		·586		4·6		1	2·47	− 1·47	0·35	1·59	− 1·24	5·49	3·91	+ 1·58	0·18	Raniganj.
3		3	1	3	10	10			S 7° W	S 2° E	3·8	4·8	−1·0	56	− 1	68	−8	·667	−·120	5·8	+2·0	3	2·56	+ 0·44	1·62	1·24	+ 0·38	3·31	3·70	− 0·39	1·30	Berhampore.
27					1	1	1		S 45° W		2·5			10		62		·595		1·8		2	2·38	− 0·38	1·05	1·02	+ 0·03	5·58	3·28	+ 2·30	0·85	Naya Dumka
2	3	2	1		5	16	1		S 40° W	S 29° W	4·5	8·6	−4·1	53	− 2	71	−7	·737	−·136	4·3	+0·3	7	3·58	+3·42	2·58	1·86	+ 0·72	7·37	5·33	+ 2·04	0·80	Balasore.
			1		3	19	6	1	S 50° W	S 38° W	11·0	13·8	−2·8	79	+ 2	82	0	·859	−·069	5·7	+0·5	3	1·81	+ 1·16	1·42	0·73	+ 0·69	7·73	3·98	+ 3·75	0·72	False Point.
13		1	1		1	7	5	2	S 68° W	S 39° W	3·3§	5·0	−1·7	37	−23	77	+5	·793	−·033	4·6	+1·1	8	1·97	+6·03	5·74	0·98	+ 4·76	8·09	3·10	+ 4·99	2·27	Cuttack.
2	2			1	3	19	2	1	S 47° W		15·4			66		80		·868		3·4		3	1·17	+ 1·83	2·00	0·80	+ 1·20	3·48	3·35	+ 0·13	1·30	Puri.
7		2	1	1		2	2	15	N 48° W		5·9			49		69		·690		2·7		4			2·15			8·28			0·80	Angul.
		1	3	11	2	8	3	2	S 4° E	S 87° E	4·3	3·9	+0·4	43	+33	59	+8	·606	−·004	3·7	+1·5	3	1·50	+ 1·50	2·41	0·60	+ 1·81	6·53	2·70	+ 3·83	1·27	Sambalpur.
22	1				1	2	3	1	S 79° W	S 62° W	P	2·6	P	17	−42	61	+6	·595	−·060	1·8	0	3	2·06	+ 0·94	0·78	1·36	− 0·58	4·93	3·91	+ 1·02	0·27	Chaibassa.
3	1		1		2	6	10	7	S 89° W	S 51° W	8·2	7·4	+0·9	60	+12	48	+4	·418	−·064	3·7	+2·2	4	2·16	+ 1·84	1·28	0·84	+ 0·44	8·35	3·95	+ 4·40	0·49	Ranchi.
1	2	2	2	2	1	4	14	2	S 88° W		4·1			45		62		·567		5·2		3	2·39	+ 0·61	0·96	0·99	− 0·03	6·23	3·64	+ 2·59	0·38	Purulia.
2	1			2	5	9	6	5	S 62° W	S 55° W	8·1	8·9	−0·8	53	0	46	+10	·424	+·034	3·0	+1·0	2	1·35	+ 0·65	0·84	0·39	+ 0·45	8·87	2·63	+ 6·24	0·35	Hazaribagh.
21	1			3	1	4			S 11° W		4·0			17		66		·551		3·5		3	0·79	+ 2·30	2·25	0·27	+ 1·98	7·68	2·48	+ 5·20	1·02	Daltonganj
6	1	9	5	2		3		4	N 49° E	N 68° E	2·9	4·7	−1·8	33	−27	74	+ 7	·615	−·036	2·9	+0·3	4	1·93	+ 2·07	2·80	1·22	+ 1·58	5·18	2·79	+ 2·39	1·03	Purnea.
11		5	4	2		3	5		E		4·0			6		58		·564		3·1		2	1·45	+ 0·55	1·21	0·88	+ 0·33	4·87	2·62	+ 2·25	0·93	Bhagalpur.
2			4	4		2	7	2	S 45° W		7·6‡			4		62‡		·647‡		3·5‡		0			0·10						0·04	Monghyr.
12		7	6			2	3		N 60° E	S 67° E	4·8	5·7	−0·9	27	−26	72	+ 9	·619	−·001	3·3	+2·1	4	1·47	+ 2·53	2·18	0·70	+1·48	4·91	2·36	+ 2·55	1·13	Darbhanga.
10		5	6	2		2	5		N 79° E					17		66		·584		4·2		2			0·89			3·88			0·46	Pusa.
5		1	8	8		2	4	2	S 58° E		5·0§			30		64		·591		1·4		2	0·90	+ 1·10	0·25	0·47	− 0·22	3·46	2·23	+1·23	0·13	Muzaffarpur
1	1	4	10		3	6	4	1	S 53° E		4·5			17		68		·550		3·4		3	1·23	+ 1·77	0·66	0·68	− 0·02	4·23	2·27	+ 1·96	0·31	Motihari.
	3	1	13	1	6	3	3		S 61° E					33						1·9		2	0·55	+ 1·45	1·21	0·32	+ 0·89	4·50	2·02	+ 2·48	0·76	Chapra.
1		1	10	1	4	1	11	1	S 14° W	S 81° E	5·6	4·9	+0·7	13	− 7	56	+ 5	·560	+·004	3·5	+2·2	2	0·58	+ 1·42	0·44	0·27	+ 0·17	4·66	1·92	+ 2·74	0·34	Patna.
6	1	5	1	3	3	5	6		S 37° W		3·2			17		55		·524		1·4		0	0·55	− 0·55	0·21	0·47	− 0·26	4·87	2·56	+ 2·31	0·08	Arrah.
1		1	7	3	2	8	7	1	S 27° W		6·9			30		49		·528		1·6		1	·035	+ 0·65	0·40	0·15	+ 0·25	7·15	1·93	+ 5·22	0·34	Buxar.
3			1	2	8	10	5	1	S 32° W		5·0			62		51		·500		5·2		2	0·41	+ 1·59	0·82	0·10	+ 0·72	6·33	2·06	+ 4·27	0·50	Dehri.
6	1	5	1	1	6	2	8		S 45° W	S 34° W	3·9	4·8	−0·9	20	−13	60	+ 9	·600	+·002	4·4	+2·7	2	0·58	+ 1·42	1·01	0·15	+ 0·86	5·51	2·09	+ 3·42	0·78	Gaya.
																																IV.—United Provinces of Agra and Oudh.
6	2	6	2	2	2	3	4	3	N 12° W	N 57° E	2·1§	3·5	−1·4	10	− 1	60	+ 9	·570	+·036	4·2	+2·9	1	0·50	+ 0·50	0·32	0·45	− 0·13	3·65	2·17	+ 1·48	0·18	Gorakhpur.
5	1	4	2	2		6	5	3	S 71° W	S 53° W	3·6	2·5	+0·1	17	− 5	61	+13	·612	+·118	4·3	+3·0	1	0·40	+ 0·60	1·17	0·13	+ 1·04	8·69	1·72	+6·97	0·95	Benares.
1	1	2	5	1	2	5	10	3	S 79° W	N 86° W	4·3	5·3	−1·0	30	+ 8	45	+9	·439	+·015	5·1	+3·5	4	0·20	+ 3·80	0·76	0·13	+ 0·63	4·35	1·86	+ 2·49	0·21	Allahabad.

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

§ Uncorrected reading.

‡ Mean of 21 days.

Table

(2) *Abstract of observations taken at 8 hrs., at 235 stations*

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs. in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	IV.—United Provinces of Agra and Oudh—*concld.*																						
	Cawnpore	416	29·399	+·041	29·780	29·518	1st	29·299	30th	·219	78·1	96·7	−5·5	69·3	−3·0	83·0	−4·3	27·4	104·9	9th	59·6	1st & 2nd	45·3
	Lucknow	368	29·454	+·047	29·784	29·552	1st	29·356	24th	·196	78·4	95·9	−6·5	68·9	−2·0	82·4	−4·3	27·0	102·0	9th & 24th.	59·6	2nd	42·4
	Bahraich	401	29·406	+·036	29·772	29·480	4th	29·272	24th	·208	77·2	93·9	−5·7	68·9	−0·8	81·4	−3·3	25·0	101·6	24th	57·0	1st	44·6
11	Jhansi	858	28·978	+·020	29·798	29·101	1st	28·886	29th	·215	80·7	97·7	−6·5	74·6	−2·1	86·2	−4·3	23·1	104·3	7th, 8th & 9th.	68·1	13th & 14th.	36·2
	Agra	556	29·267	+·032	29·790	29·386	1st	29·127	30th	·259	78·7	94·5	−8·1	70·9	−2·8	82·7	−5·5	23·6	102·0	8th & 9th	61·5	1st	40·5
	Mainpuri	516	29·311	+·052	29·792	29·401	1st	29·200	30th	·201	77·3	97·1	−5·4	67·3	−3·2	82·1	−4·3	29·8	105·3	9th	56·3	1st	49·0
	Bareilly	568	29·228	+·033	29·770	29·323	12th	29·109	24th	·214	75·3	92·5	−6·8	66·7	−2·2	79·6	−4·5	25·8	99·3	9th	55·0	1st	44·3
	Meerut	738	29·065	+·034	29·781	29·166	1st	28·951	30th	·215	74·6	90·8	−7·7	64·9	−3·2	77·9	−5·5	25·9	99·1	7th, 8th & 9th.	54·2	1st	44·8
	Roorkee	899	28·900	+·033	29·784	28·988	2nd & 12th.	28·781	24th	·207	72·7	88·4	−9·8	62·9	−3·6	75·7	−6·7	25·5	97·5	30th	51·9	1st	45·6
	Dehra Dun	2,233	27·591	+·019	29·807	27·674	11th	27·490	24th	·184	69·0	84·3	−6·3	60·5	−3·8	72·4	−5·1	23·8	91·5	30th	52·5	14th	39·0
	V.—Punjab.																						
12	Delhi	718	29·098	+·040	29·791	29·210	1st	28·961	30th	·249	76·3	92·2	−7·5	70·5	−3·0	81·4	−5·3	21·7	101·7	8th	60·2	1st & 18th.	41·5
	Sirsa	662	29·143	+·030	29·782	29·279	1st	28·957	30th	·322	75·5	93·2	−7·9	66·7	−1·8	80·0	−4·9	26·5	104·3	30th	57·1	1st	47·2
	Patiala	*818*	28·980		29·781	29·064	1st	28·852	30th	·212	74·0	87·8		64·7*		76·3*		23·1	97·0	30th	55·1	1st	41·9
	Ambala	892	28·897	+·024	29·777	29·988	1st	28·787	30th	·201	71·4	87·4	−10·3	62·9	−3·3	75·2	−6·8	24·5	99·1	30th	52·0	18th	47·1
	Ludhiana	812	28·988	+·023	29·786	29·082	1st	28·826	30th	·256	72·9	84·3	−13.1	65·8	−1·4	75·1	−7·3	18·5	95·5	29th	57·6	1st	37·9
	Lahore	702	29·093	+·027	29·782	29·201	1st	28·936	30th	·265	72·3	89·2	−9·0	65·1	+0·8	77·2	−4·1	24·1	102·4	30th	54·1	1st	48·3
	Sialkot	830	28·971	+·032	29·792	29·062	1st & 22nd.	28·844	30th	·218	72·8	85·9	−9·3	63·2	−3·1	74·6	−6·2	22·7	97·1	30th	47·1	1st	50·0
	Rawalpindi	1,674	28·145	+·019	29·835	28·267	22nd	28·035	29th	·232	67·4	81·3	−7·1	58·6	−1·3	70·0	−4·2	22·7	94·4	30th	50·1	14th	44·3
13	Khushab	612	29·215	+·053	29·810	29·343	22nd	29·072	30th	·271	74·5	88·8	−6·5	66·0	−2·0	77·4	−4·3	22·8	103·9	30th	58·5	1st	45·4
	Montgomery	558	29·256	+·045	29·791	29·370	1st	29·072	30th	·298	76·5	92·5	−7·6	66·1	−2·0	79·3	−4·8	26·4	105·3	30th	57·0	1st	48·3
	Multan	420	29·391	+·019	29·784	29·519	22nd	29·200	29th	·319	76·4	92·4	−6·6	69·0	+0·4	80·7	−3·1	23·4	106·9	30th	59·9	13th	47·0
	VI.—North-West Frontier Province.																						
15	Peshawar	1,110	28·741	+·008	29·866	28·884	9th	28·583	29th	·301	67·6	80·3	−6·6	59·9	−0·9	70·1	−3·8	20·4	93·7	29th	50·9	17th	42·8
	D. I. Khan	590	29·245	+·017	29·800	29·386	22nd	29·059	29th	·327	72·0	89·4	−5·1	64·7	−1·4	77·1	−3·3	24·7	104·2	30th	57·6	1st	46·6
	VII.—Sind.																						
17	Jacobabad	186	29·617	+·013	29·768	29·764	1st	29·424	29th	·340	79·2	99·2	−3·9	70·4	+0·7	84·8	−1·6	28·8	110·1	30th	59·9	2nd	50·2
	Hyderabad	96	29·726	+·007	29·777	29·862	1st	29·594	29th	·268	79·7	98·6	−4·1	72·0	−0·3	85·3	−2·2	26·6	105·1	27th	65·5	3rd	39·6
	Kurrachee	30	29·835	+·015	29·816	29·947	9th	29·710	29th	·237	79·1	89·5	−1·1	74·3	+1·2	81·8	+0·1	15·2	98·9	3rd	68·2	1st	30·7
	VIII.—Rajputana.																						
18	Bikaner	*771*	29·025	+·012	29·768	29·167	1st	28·878	30th	·289	80·6	95·8	−5·5	72·9	−2·7	84·4	−4·1	22·9	106·6	30th	64·0	18th	42·6
	Jodhpur	782	29·057		29·824	29·187	1st	28·938	29th	·249	80·1	98·1		72·6		85·4		25·5	105·2	30th	64·3	1st	40·9
	Pachpadra	*380*	29·450	+·028	29·791	29·581	1st	29·335	30th	·246	79·4	98·9	−7·3	69·6	0	84·2	−3·7	29·3	107·0	30th	61·0	1st	46·0
19	Jaipur	1,431	28·412	+·017	29·811	28·537	1st	28·291	30th	·246	79·1	95·3	−6·4	69·5	−1·6	82·4	−4·0	25·8	102·7	30th	59·5	1st	43·2
	Sambhar	1,254	28·575	+·018	29·801	28·699	1st	28·436	30th	·263	78·9	96·1	−4·1	70·0	−1·1	83·1	−2·6	26·1	103·5	30th	60·7	1s	42·8
	Ajmer	1,611	28·248	+·017	29·823	28·365	1st	28·128	30th	·237	79·1	94·5	−4·7	73·3	+1·9	83·9	−1·4	21·2	101·9	30th	63·2	1st	38·7
	Kotah	819 †	28·994		29·813	29·128	1st	28·881	30th	·247	83·3	98·6		75·0		86·8		23·6	104·0	7th, 8th & 30th.	67·6	18th	36·4
	Udaipur	1,925	27·947		29·819	28·073	1st	27·842	27th	·231	80·8	94·9		70·6		82·8		24·3	100·5	30th.	59·2	1st	41·3

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

*, Mean of 29 days.

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

3—*continued.*

n India, etc., in April 1907—continued.

Wind direction. Number of winds from									Wind velocity.			Wind steadiness.	Hygrometry, 8 hrs.				Cloud.		Rainfall.								Station.
Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Mean velocity miles per hour.	Normal.	Departure from normal.	Actual Percentage.	Departure from normal.	Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Mean cloud amount at 8 hrs.	Departure from normal.	Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st Dec. 1906 to 30th April 1907.	Normal rainfall for period, 1st Dec. to 30th April.	Departure from normal of period, 1st Dec. 1906 to 30th April 1907.	Heaviest rainfall during month.	
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																IV.—United Provinces of Agra and Oudh.—*concld.*
14	3	2		2	1	4	3	1	S 89° W	S 79° W	3·1†	4·1	−1·0	12	− 7	60	+20	·574	+·109	1·4	+0·5	1	0·40	+0·60	0·70	0·03	+0·67	3·64	1·62	+ 2·02	0·48	Cawnpore.
7	2	3	4	1	3	3	5	2	S 79° W	N 81° W	2·3	4·0	− ·7	6	−14	47	+ 7	·457	+·012	2·7	+1·0	2	0·40	+1·60	0·65	0·04	+0·61	3·33	2·15	+ 1·18	0·47	Lucknow.
4	2		8	3	1	2	2	8	N 19° E	N 55° E	4·1	4·1	0	10	+ 4	56	+ 5	·524	−·029	3·6	+2·1	2	0·80	+1·20	0·41	0·40	+0·01	3·21	3·24	−0·03	0·13	Bahraich.
3	1	1	2	2	3	10	5	2	S 45° W	S 87° W	6·8	3·6	+3·2	43	+13	63	+35	·669	+·305	2·5	+1·6	2	0·50	+1·50	0·35	0·12	+0·23	4·09	1·65	+ 2·44	0·16	Jhansi.
8		1		6		14		1	S 24° W	S 89° W	5·8	5·1	+0·7	46	+ 9	48	+13	·464	+·069	2·0	+0·8	4	0·40	+3·60	1·32	0·13	+1·19	4·67	1·50	+ 3·17	0·52	Agra.
4		5	2	3	1	4	4	7	N 58° W	S 74° W	3·1	2·4	+0·7	17	+ 3	51	+14	·473	+·073	3·1	+1·7	4	0·40	+3·60	0·58	0·48	+0·10	2·70	2·55	+ 0·15	0·20	Mainpuri.
21	2	1	3			1	1	1	N 26° E	N 20° W	2·6	3·7	−1·1	10	+ 2	60	+15	·530	+·085	3·5	+2·1	4	0·45	+3·55	1·57	0·17	+1·40	4·86	3·05	+ 1·81	0·59	Bareilly.
19	2		2	1		1	4	1	N 64° W	N 81° W	1·2	2·5	−1·3	10	−10	66	+26	·568	+·174	2·9	+1·3	4	0·90	+3·10	2·51	0·19	+2·32	7·15	3·55	+3·60	1·84	Meerut.
15	1	1		9				4	S 66° E	S 50° E	3·0	3·3	−0·3	13	+ 8	62	+21	·499	+·078	2·7	+1·1	3	1·10	+1·90	1·33	0·39	+0·94	8·66	4·69	+ 3·97	0·96	Roorkee.
28									‡	N 43° W	2·2†	2·3	−0·1	‡		59	+13	·417	+·050	3·6	+0·9	2	1·50	+0·50	0·97	0·59	+0·38	12·36	6·92	+ 5·44	0·77	Dehra Dun.¶
																																V.—Punjab.
2	1	2	1	4	2	4	10	4	S 77° W	N 77° W	4·3	3·9	+0·4	33	− 4	59	+23	·526	+·153	3·1	+1·1	2	0·90	+1·10	1·70	0·21	+1·49	5·03	3·18	+1·85	1·47	Delhi.
6		3	7	5	3	2	2	2	S 60° E	N 28° W	4·3	5·4	−1·1	30	+28	59	+20	·513	+·121	3·4	+0·5	3	0·60	+2·40	0·49	0·26	+0·23	2·32	2·06	+0·26	0·15	Sirsa.
	3	2	5	7	4	2	2	7	N 72° E		4·9			10		71		·628		3·0		5			2·38			12·49			1·05	Patiala.
12			2	6			1	9	N 28° W	N 18° W	3·1	3·1	0	7	− 2	70	+17	·532	+·057	3·5	+2·2	4	0·90	+3·10	2·40	0·31	+2·09	10·18	5·53	+4·65	1·00	Ambala.
6		13		4			2	5	N 33° E	N 27° E	2·2	2·4	−0·2	46	+33	64	+19	·516	+·085	2·0	−0·7	5	1·00	+4·00	2·90	0·71	+2·19	15·49	5·42	+10·07	1·46	Ludhiana.
9	2	3	3	2	3		4	4	N 7° W	N 31° E	2·6	3·2	−0·6	8	−12	68	+21	·538	+·119	4·2	+1·9	4	1·00	+3·00	1·48	0·42	+1·06	5·90	3·67	+2·23	0·38	Lahore.
12	2	4	5		2			5	N 35° E	N 20° E	2·1	2·8	−0·7	23	−10	65	+17	·520	+·024	2·2	+0·1	6	1·90	+4·10	4·68	0·80	+3·88	14·65	6·77	+7·88	1·66	Sialkot.
17	1	3	3		1	2	1	2	N 32° E	N 30° W	3·4	3·1	+0·3	7	−22	70	+14	·473	+·051	4·9	+1·8	8	3·20	+4·80	2·82	1·70	+1·12	16·98	9·31	+7·67	0·75	Rawalpindi.
2	4	7	4	1	2	4	2	9	N 18° E	N 37° E	6·8	6·7	+0·1	20	−17	59	+17	·496	+·094	3·0	+0·2	4	1·50	+2·50	3·19	0·62	+2·57	6·05	3·80	+2·25	2·40	Khushab.
7	3	7	4	6	1		1	1	N 73° E	S 63° E	6·4	6·3	+0·1	37	+11	53	+15	·459	+·046	3·6	+1·4	3	0·70	+2·30	1·01	0·13	+0·91	2·39	2·41	−0·02	0·58	Montgomery.
9	5	6	2	3	2	1		2	N 47° E	N 51° E	2·7	2·2	+0·5	27	+ 4	55	+ 7	·478	+·007	2·8	+1·2	2	0·70	+1·30	1·08	0·10	+0·98	1·79	1·56	+0·23	0·73	Multan.
																																VI.—North-West Frontier Province.
20	1	1				2	3	3	N 68° W	S 54° W	1·6	4·0	−2·4	23	+13	73	+11	·506	+·037	4·5	+1·1	7	3·40	+3·60	3·62	1·75	+1·87	11·23	6·94	+4·29	1·49	Peshawar.
13	2	6		4	1	1		3	N 48° E	N 5° E	?	2·4	?	20	−13	65	+11	·513	+·024	4·2	+2·1	4	1·90	+2·10	1·95	0·70	+1·25	3·92	3·03	+0·89	1·24	D. I. Khan.
																																VII.—Sind.
2	1	5		17			1	4	S 65° E	N 88° E	5·1	4·2	+0·9	43	+16	48	+10	·467	+·046	2·5	+0·6	2	0·40	+1·60	0·31	0·15	+0·16	1·15	1·00	+0·15	0·17	Jacobabad.
7	1	1			2	15	3	1	S 53° W	S 48° W	8·1	10·8	−2·7	56	− 1	56	+ 8	·570	+·059	2·6	+1·0	0	0·20	−0·20	0	0·04	−0·04	1·79	0·71	+1·08	0	Hyderabad.
		2				3	16	9	N 76° W	N 89° W	11·6	13·2	−1·6	79	+18	77	− 1	·769	−·024	5·6	+3·4	0	0·20	−0·20	0.04	0·25	−0·21	2·12	1·54	+0·58	0·03	Kurrachee.
																																VIII.—Rajputana.
21	1	1	2	4	5	8	5	2	S 32° W	S 51° W	7·5	5·9	+1·6	40	+18	57	+21	·600	+·191	2·5	+0·7	1	0·30	+0·70	0·29	0·11	+0·18	1·11	1·12	−0·01	0·19	Bikaner.
4	2	2	3	1	3	7	6	2	S 62° W		4·8			27		37		·379		3·2		1	0·20	+0·80	0·36	0·05	+0·31	1·93	0·55	+1·38	0·36	Jodhpur.
	1	2	2	1	6	10	7	1	S 45° W		8·2	6·3	+1·9	49		53	+ 8	·537	+·049	0·9	−1·0	0	0·20	−0·20	0·05	0·04	+0·01	2·07	0·73	+1·34	0·03	Pachpadra.
4	2	3	5	3	2	1	2	8	N 10° E	N 34° W	5·2†	5·0	+0·2	17	−17	43	+ 8	·419	+·026	3·0	+0·9	3	0·40	+2·60	1·09	0·07	+1·02	4·44	1·37	+3·07	0·64	Jaipur.
10	2		2	1	4	1	7	3	S 80° W	N 49° W	7·1†	6·9	+0·2	23	−10	49	+14	·480	+·103	3·0	+1·4	2	0·30	+1·70	0·54	0·09	+0·45	3·78	1·29	+2·49	0·33	Sambhar.
5			1	4	2	6	8	4	S 64° W	W	7·0	5·8	+1·2	43	+12	48	+11	·471	+·048	3·3	+1·8	1	0·50	+0·50	0·25	0·11	+0·14	2·93	1·22	+1·71	0·25	Ajmer.
7		1	1	3		6		12	N 71° W		2·8			30		32		·354		2·5		1	0·30	+0·70	0·37	0·02	+0·25	2·23	0·78	+1·45	0·33	Kotah.
5	8	2	1	3	1	1	4	5	N 22° W		5·0			33		41		·425		2·5		1	0·30	+0·70	0·66			1·90			0·61	Udaipur.

† Uncorrected reading. ‡ Indeterminate. ¶ Wind observations of 28 days.

Table

Abstract of observations taken at 8 hrs., at 235 stations

Number of sub division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean, between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	IX.—Bombay.																						
20	Deesa	466	29·402	+·032	29·825	29·497	9th	29·310	29th	·187	81·5	101·1	−3·1	70·5	−1·2	85·8	−2·2	30·6	106·3	21st	64·9	2nd	41·4
	Bhuj	395	29·493	+·024	29·845	29·609	9th	29·390	30th	·219	80·0	96·9	−4·1	71·9	+0·4	84·4	−1·9	25·0	103·6	3rd	68·0	4th	35·6
	Jamnagar	61	29·827		29·833	29·933	9th	29·726	30th	·207	79·8	93·6		70·8		82·2		22·8	102·1	2nd	64·7	4th	37·4
	Dwarka	37?	29·868		29·851	29·974	9th	29·775	30th	·199	80·7	85·9		77·0		81·5		8·9	100·3	1st	72·7	1st	27·6
	Rajkot	429	29·467	+·021	29·851	29·558	9th & 22nd.	29·371	30th	·187	79·9	98·3	−4·5	69·6	+0·2	84·0	−2·2	28·7	104·4	2nd	66·0	3rd	38·4
	Veraval	*18*	29·886	+·028	29·846	29·966	22nd	29·815	29th	·151	79·5	84·8	−2·9	73·6	+1·1	79·2	−0·9	11·2	96·6	10th	67·3	4th	29·3
	Bhavnagar Para	55	29·830	+·006	29·849	29·930	4th&5th	29·772	15th	·158	81·3	98·9	−1·9	73·8	−1·1	86·3	−1·5	25·1	106·6	30th	66·0	1st	40·6
	Surat	39	29·860	+·009	29·844	29·945	4th&5th	29·790	15th	·155	82·4	96·4	−3·7	76·0	+3·2	86·2	−0·3	20·4	102·7	10th	70·0	4th	32·7
	Ahmedabad	163	29·721	+·026	29·834	29·807	4th	29·640	27th	·167	83·3	100·9	−4·5	74·8	−0·4	87·9	−2·5	26·1	105·1	3rd	70·7	5th, 6th & 25th.	34·4
26	Bombay	37	29·870	+·003	29·847	29·941	5th	29·822	11th	·119	81·7	89·7	+1·2	78·6	+0·9	84·2	+1·1	11·1	92·5	3rd & 4th	76·0	4th & 12th.	16·5
	Ratnagiri	110	29·790	+·009	29·839	29·864	3rd	29·751	20th & 27th	·113	83·0	90·1	0	77·5	+0·1	83·8	+0·1	12·6	93·3	24th	71·9	4th & 5th	21·4
	Goa	199	29·702	−·012	29·839	29·784	4th	29·641	20th	·143	82·7	88·9	−0·3	78·3	−0·6	83·6	−0·5	10·6	92·0	22nd	75·5	17th	16·5
	Mormugao	*60*	29·850	+·010	29·844	29·927	4th	29·789	20th	·138	83·5	89·7	−0·4	78·9	−1·1	84·3	−0·8	10·8	93·5	22nd	75·4	22nd	18·1
	Karwar	44	29·854	−·006	29·832	29·936	5th	29·794	20th	·142	78·5	89·9	−0·1	76·2	−1·7	83·1	−0·9	13·7	91·8	23rd	73·5	3rd & 4th	18·3
27	Malegaon	1,430	28·468	+·022	29·857	28·550	4th	28·382	15th	·168	79·5	96·6	−6·6	69·6	−2·2	83·1	−4·4	27·0	103·3	6th & 7th	62·6	18th	40·7
	Ahmednagar	2,154	27·772	+·026	29·872	27·871	4th	27·699	15th & 30th.	·172	78·1	93·6	−5·3	68·2	−1·4	80·9	−3·4	25·4	100·9	8th	60·0	2nd	40·9
	Poona	1,846	28·069	+·013	29·875	28·151	4th&5th	28·004	16th	·147	76·1	94·3	−7·1	67·5	−3·0	81·0	−5·1	26·8	101·1	7th & 9th	61·3	29th&30th	39·7
	Sholapur	1,590	28·305	+·020	29·847	28·399	2nd	28·228	15th	·171	79·8	97·1	−7·7	72·8	−2·7	85·0	−5·2	24·3	103·2	10th	62·6	3rd	40·6
	Bijapur	*1,948*	27·959	+·026	29·850	28·047	2nd	27·877	15th	·170	78·8	94·4	−5·3	71·1	−3·7	82·7	−4·5	23·3	100·2	4 days.	64·2	12th	36·0
	Belgaum	2,539	27·378	+·012	29·849	27·449	2nd & 4th.	27·310	15th	·139	75·1	90·7	−5·3	66·2	−1·3	78·5	−3·3	24·5	95·8	15th	62·4	12th	33·4
	X.—Central India.																						
21	Neemuch	1,624	28·237	+·016	29·817	28·360	1st	28·137	29th	·223	81·8	93·5	−7·4	70·3	−1·0	81·9	−4·2	23·2	98·0	6th	61·3	1st	36·7
	Indore	1,823	28·067	+·035	29·843	28·175	1st	27·966	29th	·209	79·6	93·8	−6·8	70·1	+0·4	82·0	−3·2	23·7	101·1	8th	64·1	1st & 12th	37·0
22	Nowgong	757	29·078	+·027	29·797	29·203	1st	28·964	30th	·239	79·1	95·2	−8·2	70·2	−1·2	82·7	−4·7	25·0	102·5	8th & 9th	58·5	1st	44·0
	Sutna	1,040	28·785	+·024	29·794	28·906	1st	28·673	30th	·233	79·4	95·1	−6·6	70·5	−1·1	82·8	−3·9	24·6	103·0	9th	61·2	1st	41·8
	XI—Central Provinces.																						
23	Buldana	2,132					8 hrs.	observa	tions	not	avail	able.											
	Akola	930	28·954	+·037	29·842	29·045	1st	28·828	16th	·217	81·1	99·4	−6·6	73·3	−1·5	86·5	−4·1	26·1	105·8	7th & 8th.	67·9	29th	37·9
	Amraoti	1,215	28·677	+·055	29·850	28·774	1st	28·563	16th	·211	80·4	98·1	−6·9	72·9	−3·4	85·5	−5·2	25·2	104·3	7th, 8th & 9th.	62·3	12th	42·0
24	Khandwa	1,044	28·829	+·029	29·835	28·929	1st	28·716	16th	·213	80·9	98·5	−6·3	73·4	−1·9	86·0	−4·1	25·1	104·7	8th	64·1	12th	40·6
	Hoshangabad	1,006	28·862	+·026	29·835	28·972	1st	28·727	16th	·245	79·6	96·3	−8·5	69·3	−4·5	82·8	−6·5	27·0	103·7	8th	61·3	12th&14th	42·4
	Saugor	1,807	28·050	+·019	29·811	28·166	1st	27·945	30th	·221	79·5	93·9	−7·6	71·4	−1·4	82·7	−4·5	22·5	101·1	9th	63·0	12th	38·1
	Jubbulpore	1,327	28·530	+·033	29·827	28·639	1st	28·418	16th	·221	77·1	94·6	−7·4	68·3	−2·3	81·5	−4·9	26·3	102·5	8th	55·8	1st	46·7
	Seoni	2,033	27·856	+·033	29·845	27·945	4th	27·746	16th	·199	76·4	93·3	−7·8	66·0	−5·6	79·7	−6·8	27·3	100·8	7th	54·0	1st	46·8
	Nagpur	1,017	28·863	+·053	29·842	28·959	4th	28·714	15th	·245	78·9	97·3	−8·2	70·7	−5·5	84·0	−6·9	26·6	106·2	7th	64·6	29th	41·6
25	Pendra	2,123?	27·833		29·819	27·927	1st	27·725	30th	·202	76·3	88·7		67·8		78·3		20·9	99·3	8th	61·1	1st	38·2
	Raipur	970	28·903	+·051	29·834	28·985	1st	28·808	30th	·177	77·8	94·7	−9·6	70·3	−6·6	82·5	−8·1	24·4	104·3	8th	62·4	18th	41·9
	Chanda	*634*	29·241	+·042	29·823	29·349	11th	29·128	16th & 30th.	·221	81·6	97·7	−8·8	73·1	−3·3	85·4	−6·1	24·6	106·0	8th	67·5	12th&29th	38·5

N B.—Elevations in italics indicate barometrical determinations.

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

B—*continued.*

***in India, etc., in April, 1907*—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. 1906 to 31st April 1907.	Normal rainfall for period, 1st Dec. to 31st April.	Departure from normal of period, 1st Dec. 1906 to 30th April 1907.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																IX.—Bombay.
	4	2	1	3	2	8	3	7	N 86° W	N 88° W	8·7*	9·1	−0·4	30	0	50	+10	·539	+·082	2·5	+1·3	1	0	+1·00	0·20	0·01	+0·19	2·51	0·34	+ 2·17	0·18	Deesa.
1	3			1	1		3	10	11	N 60° W	N 75° W	10	11·6	−1·0	66	−11	75	+20	·764	+·154	2·9	+1·9	0	0	0	0·01	0·12	−0·11	1·18	0·41	+ 0·77	0·01	Bhuj.
3					1	6	4	10	N 83° W		11·9			49		70		·708		0		0			0			0			0	Jamnager.
1	1					9	12	7	S 89° W		12·7			77		78		·823		3·5		0			0			1·97			0	Dwarka.
4						4	7	15	N 69° W	N 66° W	8·7	10·4	−1·7	69	− 4	65	0	·648	−·022	3·3	+2·2	1	0	+1·00	0·20	0·01	+ 0·19	0·96	0·18	+ 0·78	0·14	Rajkot.
6	5						5	14	N 45° W	N 47° W	11·2	8·4	+2·8	69	+ 6	76	+ 4	·763	+·039	3·3	+0·7	0	0	0	0	0	0	0·02	0·10	− 0·08	0	Veraval.
1	4	1				6	3	15	N 57° W	S 66° W	7·6	10·6	−3·0	66	− 1	66	+ 4	·698	−·003	3·5	+1·9	0	0	0	0·22	0·01	+ 0·21	0·56	0·30	+ 0·26	0·09	Bhavanagar Para.
6	8	1	2		4	4	3	2	N 54° W	S 61° W	5·0	7·4	−2·4	20	−20	69	+ 4	·771	+·032	4·2	+2·5	0	0	0	0·05	0	+ 0·05	0·13	0·14	− 0·01	0·03	Surat.
1	6		1			1	4	17	N 42° W	N 45° W	5·4	4·7	+0·7	72	+31	51	+ 4	·570	+·028	4·0	+2·5	0	0·10	−0·10	0	0	0	0·31	0·30	+ 0·01	0	Ahmedabad.
	13	4	2	2			2	7	N	N 2° W	N 33° E	9·1*	10·6	−1·5	62	+52	72	− 3	·790	−·042	5·4	+2·3	0	0·10	−0·10	0·06	0·07	− 0·01	0·33	0·27	+ 0·06	0·04	Bombay.
3	8	6	4	7	1			1	N 61° E	N 81° W	10·0	8·4	+1·6	43	+23	68	− 3	·762	−·050	3·5	+0·5	1	0·10	+0·90	0·13	0·08	+ 0·05	0·13	0·32	− 0·19	0·11	Ratnagiri.
1	4	5	6	2	5	1	2	4	N 59° E	N 29° E	8·4*	6·9	+1·5	20	+ 6	73	− 1	·818	−·048	4·4	+1·0	3			2·95	0·32	+ 2·63	4·09	0·63	+ 3·46	1·60	Goa.
7	8	4	5	2	2		1	1	N 43° E	N 5° W	8·0*	8·5	−0·5	37	+33	76	+ 1	·859	−·028	5·0	+1·2	2			1·01	1·04	− 0·03	1·24	1·09	+ 0·15	0·75	Mormugao.
16		14							N 45° E	N 9° W	2·9*	4·8	−1·9	46	+ 3	90	+12	·887	+·057	3·1	−0·2	4	0·90	+3·10	3·17	0·55	+ 2·62	4·57	0·73	+ 3·84	1·23	Karwar.
	2	1	1	1	2	5	10	8	N 83° W	N 69° W	8·2	9·5	−1·3	56	− 7	49	− 4	·479	−·172	5·9	+3·9	4	0·30	+3·70	1·13	0·10	+ 1·03	1·60	0·54	+ 1·06	0·38	Malegaon.
9	5			4	1			11	N 29° W	N 1° E	7·6	10·6	−3·0	33	−15	52	− 3	·487	−·144?	4·0	+2·4	6	0·60	+5·40	2·29	0·33	+ 1·96	4·61	1·56	+ 3·05	0·67	Ahmednagar
20	1	1	3				4	1	N 23° W	N 83° W	8·4*	10·6	−2·2	7	−50	57	+16	·565	+·079?	2·4	+0·5	8	1·40	+6·60	2·77	0·68	+ 2·09	3·06	1·01	+ 2·05	0·65	Poona.
3	3	8	3	5		1	1	6	N 36° E	N 45° W	9·4	8·8	+0·6	37	+14	55	+16	·544	+·072	3·8	+1·2	5	1·10	+3·90	3·95	0·43	+ 3·52	4·03	1·22	+ 2·81	1·89	Sholapur.
1	3	6	2	2	2	5	2	7	N 28° W	N 82° W	6·6	5·6	+1·0	20	−38	65	+ 5	·628	−·030?	2·6	+0·2	7	2·20	+4·80	5·06	0·80	+ 4·26	6·25	1·39	+ 4·86	1·70	Bijapur.
24	1		1			1	1	1	N 50° W	S 83° W	6·0*	13·1	−7·1	4	−24	63	+ 1	·543	−·021	3·1	+0·6	3	3·80	−0·80	2·66	1·90	+ 0·76	3·58	2·52	+ 1·06	1·75	Belgaum.
																																X.—Central India.
2	7	4	2	1	2	4	5	3	N 35° W	N 51° W	7·4	8·7	−1·3	23	+ 1	32	− 3	·341	−·081	3·2	+1·9	0	0·10	−0·10	0·04	0·09	− 0·05	0·67	0·79	− 0·12	0·02	Neemuch.
1	3	2	2	3	1	3	10	5	N 75° W	N 45° W	4·9	4·4	+0·5	33	−17	52	+13	·524	+·066	5·8	+4·4	1	0·20	+0·80	0·28	0·13	+ 0·15	0·43	0·68	− 0·25	0·17	Indore.
2			4	3	4	5	11	1	S 46° W	S 75° W	3·5	3·1	+0·4	43	+ 6	53	+15	·527	+·104?	6·2	+5·0	1	0·10	+0·90	0·38	0·05	+ 0·33	2·71	2·01	+ 0·70	0·30	Nowgong.
9			2		1	4	9	5	S 89° W	N 55° W	2·5	6·7	−4·2	44	+ 4	53	+27	·522	+·206	7·4	+6·4	1	0·20	+0·80	0·75	0·11	+ 0·64	6·77	2·54	+ 4·23	0·55	Sutna.
																																XI—Central Provinces. Buldana.
		1	5	2	3	8	11		W	N 67° W	5·5	5·9	−0·4	44	− 9	53	+23	·552	+·171?	6·0	+4·1	3	0·50	+2·50	0·80	0·20	+ 0·60	4·02	1·88	+ 2·14	0·24	Akola.
1	3	2	2	2	7	7	4	2	S 37° W	S 69° W	6·8	5·4	+1·4	33	+ 3	60	+25	·626	+·183	4·9	+2·8	3	0·80	+2·20	1·22	0·22	+ 0·99	6·91	1·68	+ 5·23	0·75	Amraoti.
2	1	1			3	1	8	14	N 66° W	N 68° W	6·8	6·5	+0·3	66	+ 3	44	+14	·452	+·092?	4·0	+2·6	5	0·30	+4·70	1·00	0·13	+ 0·87	1·41	0·99	+ 0·42	0·41	Khandwa.
14		1	1	1	2	5	4	2	S 57° W	S 48° W	3·5	3·0	+0·5	27	+10	44	+ 6	·441	−·005	6·3	+4·6	1	0·30	+0·70	1·00	0·15	+ 0·85	3·23	1·39	+ 1·84	0·61	Hoshangabad
1	1	1	4	3	3	7	9	1	S 46° W	S 53° W	7·2	4·6	+2·6	37	+20	34	+ 4	·337	−·014	4·2	+2·9	3	0·30	+2·70	0·90	0·09	+ 0·81	3·20	2·13	+ 1·07	0·50	Saugor.
	1	3	2	6	10	3	4	1	S 7° E	S 18° W	3·4	3·3	+0·1	43	+10	49	+14	·456	+·066	3·1	+1·5	4	0·60	+3·40	1·43	0·15	+ 1·28	6·86	2·19	+ 4·67	0·61	Jubbulpore.
4	4	3	1	2	4	5	4	3	S 82° W	S 86° W	6·2	3·9	+2·3	17	+ 8	53	+14	·476	+·032	5·1	+3·0	5	1·30	+3·70	1·92	0·39	+ 1·53	7·37	2·91	+ 4·46	1·14	Seoni.
4	6	5	2	4	3	1	4	1	N 38° E	N 82° W	4·3	6·0	−1·7	17	+ 9	57	+21	·544	+·077	4·8	+2·3	4	1·10	+2·90	1·66	0·48	+ 1·18	5·12	2·25	+ 2·87	0·56	Nagpur.
7	3	2		1	5	6		6	S 83° W		4·6			20		48		·421		3·4		6			3·21			12·04			1·12	Pendra.
12		2				13	2	1	S 56° W	S 56° W	7·3	6·3	+1·0	40	+ 3	59	+22	·556	+·100	2·3	−0·2	3	1·40	+1·60	1·71	0·53	+ 1·18	3·53	1·98	+ 1·55	0·71	Raipur.
9	1	2	2	8	5	1	1	1	S 35° E	S 52° E	3·5	3·6	−0·1	33	+14	57	+12	·604	+·051	4·9	+2·5	6	1·80	+4·20	2·89	0·59	+ 2·30	5·53	2·91	+ 2·62	0·99	Chanda.

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

* Uncorrected readings.

Table

Abstract of observations taken at 8 hrs., at 235 stations

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean, between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	XII.—Hyderabad.																						
28	Aurangabad	1,905	28·025		29·874	28·100	2nd.	27·940	30th	·160	79·3	94·9		70·0		82·4		24·9	100·7	7th	62·7	12th	38·0
	Nizamabad	1,260	28·642		29·856	28·751	2nd	28·550	16th	·201	80·9	96·5		73·2		84·9		23·3	103·9	8th	67·2	12th	36·7
	Bidar	*2,165*	27·782		29·883	27·856	7th	27·623	16th	·233	80·1	92·6		71·5		82·1		21·1	99·3	8th & 17th.	65·8	12th	33·5
29	Gulbarga	1,503	28·400	+·030	29·855	28·499	2nd	28·315	16th	·184	79·0	96·5	−6·7	72·2	−3·9	84·4	−5·3	24·3	103·0	9th	67·3	12th	35·7
	Raichur	*1,311*	28·587	+·041	29·846	28·676	2nd	28·501	15th	·175	81·3	97·3	−4·8	75·1	−4·1	86·2	−4·5	22·2	103·0	17th	67·1	28th	35·9
	Hyderabad (Deccan)	1,690	28·217	+·039	29·862	28·333	2nd	28·117	30th	·216	77·6	94·5	−7·5	72·1	−3·2	83·3	−5·4	22·4	100·8	9th	65·2	20th	35·6
	Hanumkonda	871	29·015		29·838	29·157	2nd	28·915	30th	·242	78·6	95·1		73·8		84·6		21·3	100·3	8th	66·8	12th	33·5
	XIII.—Mysore.																						
30	Chitaldroog	2,405	27·525	+·013	29·857	27·604	5th	27·473	16th	·131	77·7	92·6	−3·2	71·2	−0·6	81·9	−1·9	21·4	97·2	9th & 11th.	65·9	12th & 27th.	31·3
	Hassan	3,091	26·891	+·017	29·887	26·966	5th	26·832	30th	·134	74·2	85·6	−5·5	65·5	−0·9	75·5	−3·2	20·1	91·5	9th	60·1	12th	31·4
	Bangalore	3,021	26·951	+·009	29·879	27·028	5th	26·897	18th	·131	74·4	89·6	−3·6	67·3	−1·9	78·5	−2·8	22·3	92·8	7th & 26th.	61·4	4th	31·4
	Mysore	2,518	27·434	+·011	29·885	27·515	5th	27·380	18th	·135	75·5	90·2	−3·8	69·2	−1·1	79·7	−2·5	21·0	94·0	9th & 11th.	64·5	15th	29·5
	XIV—Madras.																						
31	Mangalore	65	29·849	+·004	29·846	29·954	5th	29·800	18th	·134	82·4	89·8	−1·3	77·3	−1·4	83·6	−1·4	12·5	93·2	22nd	73·9	28th	19·3
	Calicut	27	29·891	+·009	29·847	29·862	4th	29·837	18th & 27th.	·125	81·9	90·0	−1·3	77·4	−0·5	83·7	−0·9	12·6	92·8	15th	73·2	3rd & 12th.	19·6
	Cochin	9	29·907	+·005	29·844	29·969	4th	29·842	21st	·127	82·1	90·7	−0·8	76·7	−1·7	83·7	−1·3	14·0	93·8	11th	73·2	13th	20·6
	Trivandrum	158	29·711	+·016	29·842	29·785	4th	29·648	21st	·137	80·2	87·0	−0·5	77·4	+1·1	82·2	+0·3	9·6	88·5	4 days	74·0	28th	14·5
32	Tinnevelly	168	29·754	+·033	29·852	29·839	5th	29·675	30th	·164	82·3	93·7	−4·3	75·8	−2·8	84·8	−3·6	17·9	100·3	27th	71·9	3rd	28·4
	Pamban	37	29·672	+·014	29·836	29·951	5th	29·749	30th	·162	83·6	91·0	+0·1	79·6	+0·6	85·3	+0·4	11·4	93·3	23rd & 27th.	75·2	29th	18·1
	Madura	447	29·474	+·029	29·857	29·556	4th	29·350	30th	·206	82·8	95·5	−3·8	76·3	−0·1	85·9	−2·0	15·2	100·0	25th & 27th.	70·0	3rd	30·0
	Periyakulam	944	28·967		29·855	29·051	5th	28·896	30th	·155	78·9	91·4		72·5		80·6		18·9	96·0	26th	65·5	1st	30·5
	Pudukkottai	318	29·604		29·854	29·683	4th	29·527	30th	·156	82·5	95·8		76·3		86·1		19·5	101·3	25th	70·8	12th	30·5
	Negapatam¶	31	29·683	+·015	29·843	29·959	4th	29·815	30th	·144	84·2	92·1	−0·4	79·6	+0·6	88·4	+0·1	12·5	97·4	29th	74·0	29th	23·4
	Trichinopoly	255	29·667	+·023	29·855	29·750	4th	29·593	30th	·157	84·0	98·4	−2·7	77·1	−0·4	87·8	−1·6	21·3	105·2	25th	73·4	29th	31·8
	Coimbatore	1,348	28·570	+·012	29·871	28·651	5th	28·510	30th	·141	77·5	93·0	−4·4	72·5	−0·9	82·8	−2·7	20·5	96·4	4 days	67·3	13th	29·1
	Salem	940	29·065	+·018	29·885	29·086	4th	28·949	30th	·137	82·2	97·8	−2·9	76·1	+0·3	87·0	−1·3	21·7	101·7	11th	71·4	12th	30·3
	Cuddalore	37	29·676	+·021	29·846	29·962	5th	29·787	30th	·175	82·7	91·0	−1·8	77·0	+0·2	84·0	−0·8	14·0	97·1	25th	72·2	12th	24·9
	Vellore	707	29·212*		29·864*	29·312	4th	29·125	30th	·187	79·11	85·7*		73·8		79·8*		11·9	94·9	3rd	68·2	1st	26·7
	Madras	22	29·869	+·022	29·852	29·951	5th	29·816	30th	·165	84·0	97·2	−0·9	76·6	−0·5	84·4	−0·7	15·6	96·5	25th	71·5	12th	25·0
33	Cuddapah	453	29·465	+·030	29·836	29·559	4th	29·388	18th	·171	83·6	100·5	−4·7	76·2	−1·6	88·4	−4·7	24·3	106·2	19th	63·9	19th	42·3
	Bellary	1,475	28·427	+·029	29·850	29·510	4th	28·346	15th	·164	80·2	98·9	−4·5	74·1	−3·0	86·5	−3·8	24·8	103·0	8 days	70·2	4th, 12th & 28th.	32·8
	Kurnool	923	28·962	+·020	29·827	29·068	2nd & 4th.	28·872	16th	·196	82·9	99·4	−4·2	75·9	−2·1	87·6	−3·2	23·5	104·3	19th	70·7	4th	33·6
34	Nellore	61	29·848	+·042	29·843	29·943	4th	29·755	24th	·188	81·7	96·0	−4·9	75·5	−1·9	85·8	−3·4	20·5	101·3	25th & 26th.	*72·1	1st	29·2
	Masulipatam	15	29·913	+·046	29·863	30·015	4th	29·812	30th	·203	84·2	93·2	−1·7	76·5	−1·0	84·9	−1·4	16·7	97·7	25th	68·1	30th	29·6
	Cocanada	26	29·864	+·031	29·856	29·983	4th	29·799	30th	·184	82·7	93·2	−2·4	76·6	−1·7	84·9	−2·1	16·6	100·6	25th	70·0	4th & 30th.	30·6
	Waltair (Vizag.)	*226*	29·672	+·025	29·840	29·762	4th	29·576	30th	·186	82·1	88·5	?	76·8	?	82·7	?	11·7	91·4	4 days	71·9	4th, 28th & 30th	19·5
	Calingapatam	19	29·882		29·841	29·960	4th	29·770	30th	·190													
	Gopalpur	72	29·817	+·052	29·831	29·900	4th	29·719	30th	·181	80·9	87·3	−0·4	76·2	−1·3	81·8	−0·9	11·1	89·7	27th	70·5	17th	19·2

* Mean of 29 days.

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

Italics—Elevations in italics indicate barometrical determinations.

¶ Observations of 29 days.

‡ Mean of 22 days.

B—*continued.*

in India, etc., in April, 1907—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. 1906, to 30th April, 1907.	Normal rainfall for period, 1st Dec. to 30th April.	Departure from normal of period, 1st Dec. 1905, to 30th April, 1907.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																XII.—Hyderabad.
12	1	3	3	2		2	5	2	N 37° W		7·8			7		48		·482		3·6		4	0·60	+3·40	2·10			3·20			0·91	Aurangabad.
8	3	2		2		4	3	8	N 56° W		†3·6			37		62		·650		4·4		8	1·40	+6·60	4·01			5·99			1·05	Nizamabad.
1	3	2	3	2	3	11	3	2	S 45° W		6·6			27		58		·586		2·6		9	2·60	+6·40	8·40	0·98	+ 7·42	12·17	2·20	+ 9·07	4·35	Bidar.
2	2	11	5	2	6	1		1	N 79° E	N 78° W	8·9	9·0	−0·1	43	+36	69	+19	·696	+·113	3·3	+0·8	8	2·20	+5·80	5·82	1·05	+ 4·77	10·82	1·93	+ 8·89	3·12	Gulbarga.
8		2	4	9		4		3	S 50° E	S 58° W	9·1	8·5	+0·6	30	−12	59	+ 6	·623	−·012	2·7	0	7	1·20	+5·80	3·64	0·66	+ 2·98	4·47	1·34	+ 3·13	0·85	Raichur.
27			1					2	N 18° W	S 72° W	2·9	4·5	−1·6	5	−14	64	+ 8	·594	−·041	3·6	+1·4	9			5·55	0·67	+ 4·88	8·24	1·63	+ 6·61	1·40	Hyderabad (Deccan).
4	4		1	11	6	2	1	1	S 33° E		7·2			40		67		·655		5·2		7	1·30	+5·70	2·49			5·61			0·75	Hanumkonda.
																																XIII.—Mysore.
1	2	2	3		1	9	8	4	S 85° W	S 70° W	4·6	6·7	−2·1	42	−20	63	0	·590	−·038	2·7	−0·2	6	2·50	+3·50	3·80	1·97	+ 1·33	5·83	2·48	+ 3·35	0·78	Chitaldroog.
12		3	2	3	2	1	4	3	S 45° W	S 82° W	1·7	3·4	−1·7	3	−26	75	+ 2	·693	−·002	4·4	0	6	4·80	+1·20	3·18	3·10	+ 0·08	7·44	3·72	+ 3·72	1·77	Hassan.
	1	2	5	5	3	7	4	3	S 9° W	S 41° W	6·2	4·8	+1·4	23	−31	75	+ 3	·637	−·012	4·0	+0·7	4	2·40	+1·60	4·32	1·28	+ 3·07	7·68	2·45	+ 5·23	2·22	Bangalore.
7		1	2	2	3	7	5	3	S 51° W	S 68° W	6·4	7·9	−1·5	33	−19	76	+ 2	·667	−·003	5·8	+1·4	5	4·30	+0·70	2·73	3·00	− 0·27	6·29	3·62	+ 2·67	1·26	Mysore.
																																XIV.—Madras.
11		5	12	2					N 83° E	N 60° E	†4·6	3·2	+1·4	56	+26	77	+ 1	·859	−·004	3·8	−0·7	7	2·30	+4·70	5·40	1·65	+ 3·75	6·49	2·25	+ 4·24	1·42	Mangalore
2	2	9	9		1	2		5	N 48° E	N 13° E	†8·6	10·3	−1·7	46	+13	79	+ 1	·863	−·008	5·2	+0·3	10	5·10	+4·90	8·84	4·38	+ 4·46	9·47	6·27	+ 3·20	2·36	Calicut.
3		8	11	4		1	3		N 87° E	N 27° E	†6·2	6·0	+0·2	53	− 7	77	− 2	·855	−·036	5·6	+1·1	11	7·00	+4·00	5·02	5·20	− 0·18	14·22	10·42	+ 3·80	1·20	Cochin.
22	1	2					2	3	N 32° W	N 4° E	2·4	5·9	−3·5	20	−32	80	+ 1	·835	−·026	5·0	+0·7	8	7·10	+0·90	5·50	4·74	+ 0·76	13·62	10·03	+ 3·59	1·20	Trivandrum.
3	8	1	1			1	8	8	N 43° W	N 48° W	2·4	4·6	−2·2	82	+ 4	81	+10	·890	+·053	5·3	+0·5	6	3·70	+2·30	4·93	3·28	+ 1·65	12·97	10·56	+ 2·41	1·95	Tinnevelly.
5		4	5	8	3	3	1	1	S 2° E	S 38° E	7·4	7·3	+0·1	40	− 6	83		·947		3·2		4	3·30	+0·70	3·62	2·40	+ 1·23	12·65	15·49	− 2·84	2·12	Pamban.
	3	9	6	3			2	7	N 16° E	N 41° E	6·1	3·1	+3·0	49	+23	77	+ 6	·858	+·025	5·7	+1·7	3	3·30	−0·30	2·08	2·25	− 0·17	4·00	5·34	− 1·34	1·53	Madura.
25		1		2		1	1		S 15° E		2·2			5		74		·735		4·6		11	4·70	+6·30	11·95	2·69	+ 9·26	22·69	7·58	+15·11	2·31	Periyakulam.
2	5	8	3	1	2	6		3	N 27° E		7·7			23		77		·855		6·0		5			3·13			7·36			1·57	Pudukkottai.
3		7		6		6	2	5	W	S 6° E	11·4	6·9	+4·5	2	−28	75	0	·888	−·020	3·6	−0·9	2	1·20	+0·80	0·81	0·56	+ 0·25	16·46	15·82	+ 0·64	0·65	Negapatam.
17		2	5	1		1	4		E	S 34° W	†5·9	5·4	+0·5	8	− 9	76	+ 8	·884	+·080	5·0	+0·8	2	2·10	−0·10	0·78	2·06	− 1·28	4·46	6·29	− 1·83	0·60	Trichinopoly.
3	4	10	5	1	3	2	1	1	N 55° E	S 1° W	3·8	3·0	+0·8	40	+25	81	− 1	·774	−·043	5·2	+0·7	6	3·50	+2·50	3·86	1·69	+ 2·17	10·59	3·94	+ 6·65	1·60	Coimbatore
2		6	9		4	5	2	2	S 73° E	S 67° E	5·5	4·6	+0·9	23	+10	88	+17	·985	+·179	5·5	+2·0	8	3·10	+4·90	6·72	1·84	+ 4·88	8·73	4·37	+ 4·36	2·29	Salem.
22	4			2	6	5	5	6	S 76° W	S 39° W	7·1	2·7	+4·4	37	−15	76	− 5	·853	−·114?	4·4	0	2	1·00	+1·00	1·12	0·83	+ 0·29	10·59	10·83	+ 8·76	0·82	Cuddalore.
13	1	2	2	2	1	2	2	5	N 45° W		†4·0			10		77‡		·778‡		2·8		5	1·20	+3·80	4·29	0·71	+ 3·58	9·67	4·40	+ 5·27	2·14	Vellore.
	1		3	2	17	4	3		S 5° E	S 10° W	†6·5	7·6	−1·1	66	− 7	77	+ 3	·902	+·007	4·4	0	1	1·10	−0·10	0·12	0·40	− 0·28	16·66	7·38	+ 9·28	0·10	Madras.
		6	3	10		3	1	7	E	S 41° E				21	−16	62	+ 7	·714	−·017	3·1	+0·5	3	0·70	+2·30	1·99	0·54	+ 1·45	4·87	1·95	+ 2·92	0·79	Cuddapah.
4	3	1	3	3	3	1	6	6	N 67° W	N 69° W	†4·4	5·4	−1·0	17	−13	55	+ 2	·556	−·073	2·3	−0·6	5	1·90	+3·10	3·38	0·74	+ 2·64	4·70	1·10	+ 3·60	1·21	Bellary.
3	5	1	3	2	11	3	2		S	S 10° E	†7·1			30	+23	68	+14	·757	+·091	3·5	+1·2	3	1·70	+1·30	0·74	0·94	− 0·20	6·61	1·56	+ 5·05	0·32	Kurnool.
1	2	1		6	16	4			S 6° E	S 29° E	†7·3	8·2	[−0·9]	66	− 1	76	+ 1	·823	−·082	2·2	−0·9	1	0·20	+0·70	0·39	0·40	− 0·11	14·90	2·77	+12·13	0·18	Nellore.
12	1			5	7	2	1	2	S 2° W	S 1° E	6·8	7·7	−0·9	32	−35	80	− 1	·930	−·049?	5·2	+1·2	3	0·50	+2·50	1·78	0·47	+ 1·31	9·99	1·66	+ 8·33	1·30	Masulipatam.
3		2		1	1	11	4	8	S 83° W	S 66° W	6·0	7·5	−1·5	49	+ 2	77	+ 3	·871	+·001	5·7	+1·9	5	0·70	+4·30	2·91	0·35	+ 2·56	13·10	2·10	+11·00	0·94	Cocanada.
3			1		1	17	8		S 56° W	S 75° W	11·6			76	+ 3	71	− 4	·788	−·059	6·2	+2·5	4	0·90	+3·10	3·13	0·59	+ 2·54	5·81	3·04	+ 2·77	1·94	Waltair (Vizagapatam)
1	1		1		3	9	14	1	S 68° W		†10·1			69						1·3		4			3·49			4·64			1·42	Calingapatam.
4	2	1		1	6	12		4	S 44° W	S 35° W	14·6	17·9	−3·3	46	−21	76	−6	·790	−·094	2·5	−1·0	5	1·10	+3·90	1·56	0·69	+ 0·87	5·36	2·69	+ 2·67	0·78	Gopalpur.

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

† Uncorrected readings.

‡ Mean of 21 days.

Table

Abstract of observations taken at 8 hrs., at 235 station

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs, in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	Stations in the Bay.																						
1	P. V. Fraser*	*8*	29·869†		29·793†	29·943	22nd	29·797	30th	·146	81·7												
	Car Nicobar	25	29·884‡		29·836‡	29·944	3rd	29·811	30th	·133	86·0	90·9		78·0		84·5		12·9	93·5	26th	75·1	22nd	18·4
	Port Blair	61	29·862	+·009	29·854	29·915	9th	29·780	30th	·165	82·2	91·8	−0·7	78·7	−0·1	85·3	−0·4	13·1	93·7	9th, 13th & 23rd,	76·5	1st	17·2
	Slipper Island	90	29·833		29·857	29·913	3rd	29·736	30th	·177	83·8	90·1		79·0		84·6		11·1	92·1	29th	76·6	4th	15·5
	Kashmir.																						
14	Srinagar	5,204	24·887	−·022	24·858	25·036	1st	24·740	17th	·296	51·2	65·7	−2·5	46·1	+0·7	55·9	−0·9	19·6	80·2	29th	36·6	2nd	43·6
	Gulmarg	*8,569*									Observations not received.												
	Sonemarg	*8,764*	21·819		21·787	21·947	1st	21·663	17th	·284	33·4	51·7		28·4		40·1		23·3	63·4	29th	19·1	3rd	44·3
	Dras	*10059*	20·816		20·784	21·046	1st	20·589	17th	·457	28·7	42·8		18·6		30·7		24·2	53·9	28th & 29th,	−9·9	1st	63·8
	Leh	11,503	19·705	−·025	19·673	19·902	1st	19·487	17th	·416	29·5	54·3	−2·8	31·0	+0·1	42·7	−1·4	23·3	68·1	30th	15·9	1st	52·2
	Skardu	*7,805*	22·873		22·843	23·175	1st	22·672	17th	·503	50·7	65·3		42·1		53·7		23·2	79·0	30th	29·1	19th & 27th,	49·9
	Minimarg	*9,359*									Observations not available.												
	Astor	*7,955*									Ditto.												
	Gilgit	4,890	25·125		25·098	25·414	1st	24·933	13th	·481	61·5	74·2	+1·5	54·4	+0·4	64·3	+1·0	19·8	90·3	29th	46·2	1st	44·1
	Baluchistan.																						
16	Quetta	5,502	24·608	−·024	24·568	24·731	1st	24·492	29th	·239	59·5	73·5	−0·7	47·7	+1·4	60·6	+0·4	25·8	86·1	29th	38·3	13th	47·8
	Chaman	4,311	25·659	−·037	25·621	25·788	1st	25·544	29th	·244	64·1	79·0	−2·6	56·0	−2·0	67·5	−2·3	23·0	92·8	28th & 29th	46·3	13th	46·5
	Robat		26·795			26·913	9th	26·601	11th	·312	72·0	82·0		67·4		74·7		14·6	97·4	28th‡	59·6	9th	37·8
	Hill Stations exoluding Kashmir and Baluchistan.																						
	Chitral	*5,486*	25·210			25·510	1st & 8th.	25·040	26th	·470	54·4	72·4		46·7		59·6		25·7	89·7	28th	40·6	15th	49·1
	Para Chinar	6,000	24·416		24·383	24·518	1st	24·328	17th	·190	55·6	66·4		47·1		56·8		19·3	76·1	29th	39·2	17th	36·9
	Cherat	*4,956*	25·673	0	25·641	25·824	4th	25·562	17th	·262	58·6	67·9	−7·6	53·7 ‡‡	−4·2 ‡‡	60·8 ‡‡	−5·9	14·2	82·1	29th	44·5	13th & 17th,	37·6
	Murree	6,333	23·834 ††	+·001	23·802 ††	23·942	22nd	23·687	17th	·255	51·7	61·3	−7·5	55·3 ‡‡	−0·9	61·9 ‡‡	−4·2	6·0	73·0	29th	50·0	30th	23·0
	Kailang	*10,087*	20·979		20·934 ††	21·106	22nd	20·920	27th	·186	34·5	45·9	−7·1	27·6	−3·6	36·8	−5·4	18·3	58·6	29th	15·2	1st	43·4
	Simla	7,224	23·085	−·024	23·047	23·194	22nd	22·975	17th	·219	54·5	60·7	−4·5	49·6	−2·6	55·2	−3·6	11·1	68·4	8th	38·3	18th	30·1
	Sarain		23·147			23·253	22nd	23·041	17th	·212	52·0	62·0		40·1		51·1		21·9	70·0	30th	32·9	1st	37·1
	Kalabagh										Observations not received.												
	Chakrata	7,022	23·270	−·020	23·230	23·357	8th & 9th.	23·177	17th	·180	54·5	64·6	−5·7	48·2	−3·9	56·4	−4·8	16·4	71·8	7th & 8th.	37·2	18th	34·6
	Muktesar	7,556	22·852		22·811	22·946	9th	22·775	17th	·171	54·0	63·2		48·7		56·0		14·5	70·0	8th & 24th.	38·4	18th	31·6
	Darjeeling	7,376	23·000	−·004	22·955	23·068	2nd	22·930	24th	·138	51·8	58·5	−2·7	46·3	−2·6	52·4	−3·2	12·2	65·2	25th, 27th & 28th.	39·5	15th	25·7
	Shillong	4,920	25·113		25·065	25·210	5th	25·031	24th	·179	61·6	70·4		54·9		62·7		15·5	78·4	25th	48·7	17th	29·7
	Cherra Poonjee	4,309	25·682		25·633	25·764	4th	25·598	24th	·166	61·6	68·5		57·3		62·9		11·2	72·7	25th	50·3	5th	22·4
	Maymyo	3,515	26·431		26·376	26·536	9th	26·356	24th & 30th.	·180	70·8	82·8		59·6 **		71·2 **		23·2	88·9	30th	52·6	5th	36·3
	Pachmarhi	3,522	26·448	+·004	26·395	26·547	22nd	26·319	16th	·228	73·0	85·0	−7·7	65·0	−4·6	75·0	−6·2	20·0	91·7	8th	54·7	2nd	37·0
	Mount Abu	3,945	26·040	−·012	25·990	26·146	1st	25·952	16th	·194	71·1	79·8	−5·9	65·7	−3·4	72·8	−4·7	14·1	85·2	30th	57·4	26th	27·8
	Mercara	3,781	26·231	−·003	26·184	26·292	5th	26·159	27th	·133	68·1	82·4	−1·5	62·4 **	−1·8	72·4 **	−1·7	20·0	87·0	9th	58·6	4th	28·4
	Ootacamund	*7,399*	23·069		23·005	23·133	5th	23·023	30th	·110	60·7	67·9		51·2		59·5		16·7	70·5	4 days	46·2	1st & 4th.	24·3
	Kodaikanal	7,688	22·945		22·780	22·889	5th & 8th.	22·809	28th	·080	57·8	67·2		52·2		57·6		15·0	72·4	25th	48·1	4th	24·3

* Observation of 19 days.
† Mean of 10 days.

** Mean of 29 days.
†† ,, ,, 28 ,,
‡‡ ,, ,, 5 ,,

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

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

B—*continued.*

in India, etc., in April, 1907—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.	Atmometry, 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. 1906, to 30th April 1907.	Normal rainfall for period, 1st Dec. to 30th April.	Departure from normal of period, 1st Dec., 1906, to 30th April, 1907.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																Stations in the Bay.
					3	9	3	4	S 60° W		13·0‖			13		84		·912		5·5		0			0·07			0·78			0·03	P. V. Fraser.
3	7	5	1		1	2	1		N 14° E		3·2			27		71		·886		9·5		2			0·26			22·44			0·14	Car Nicobar
7	3	10	4	2			1	3	N 41° E	N 82° W	3·1‖	4·8	−1·7	46	+16	80	− 3	·886	− ·063	3·2	−1·2	2			0·85	3·33	− 2·48	12·79	11·77	+ 1·02	0·68	Port Blair.
6	6	2				1		3	12	N 34° W	7·0			59		73		·849		6·0		0			0			6·02			0	Slipper Island.
																																Kashmir
8	3	1		8	5	1	1	3	S 25° E	S 29° E	4·2	4·8	−0·6	23	+12	86	+ 2	·328	−·005	5·3	+0·8	7	6·80	+0·20	4·35	2·69	+ 1·66	17·78	13·03	+ 4·75	1·17	Srinagar.
																	Observations not received															Gulmarg.
											2·1			26		93		·178		5·2		8			5·86			56·72			1·56	Sonemarg.
21		1	7		1				S 38° E		0·6			§		90		·151		4·8		6	8·80	−2·80	1·81	3·85	− 2·04	14·24	16·98	− 2·64	0·45	Dras.
30									§		1·6‖	3·1	−1·5	13	−15	53	+ 5	·125	+ ·015	5·7	+0·2	1	0·70	+0·30	0·25	0·16	+ 0·09	3·07	1·23	+ 1·84	0·15	Leh.
28		3	2		1				N 75° E	S 66° W	5·9‡			20		51		·184		6·0		2	2·00	0	0·42	2·65	− 2·23	3·16	7·42	− 4·26	0·30	Skardu.
21		1				6	1	1	S 62° W									Observations		not available.												Minimarg.
																			Ditto.													Astor.
26						1	3		S 79° W		2·0			13		44	− 6	·229	−·015	7·3	+2·1	3	2·80	+0·20	1·30	1·15	+ 0·15	1·79	2·30	− 0·51	0·47	Gilgit.
																																Baluchistan.
24			1	2	1		1	1	S 24° E	S 45° W	1·9	3·5	−1·6	7	0	54	+ 2	·271	−·011	2·6	+0·1	5	2·40	+2·60	1·93	1·07	+ 0·86	7·14	7·96	− 0·82	0·84	Quetta.
7	7	4	3	1	5			3	N 26° E	S 2° W	7·9	8·1	−0·2	23	−20	49	− 4	·289	−·019	1·9	−0·5	2	1·60	−0·40	0·45	0·43	+ 0·02	5·05	5·71	− 0·66	0·18	Chaman.
17		6		1	1	4	1		S 75° E		6·3			4		54		·415		2·2		1			0·84			2·23			0·71	Robat.
																																Hill stations excluding Kashmir and Baluchistan.
26	1	2			1				N 45° E		2·2			3		68		·286		2·5		6			3·13			9·08			1·00	Chitral.
30									§		5·0			§		66		2·86		4·5		9	8·50	+0·50	4·82	3·19	+1·63	18·79	11·30	+7·49	1·22	Para Chinar.
3	1	1		3	13	1	1	7	S 76° W	N 11° W	9·3	13·1	−3·8	33	−19	66	+18	·315	+ ·038	2·4	−0·8	7			6·87	2·22	+4·65	25·26	12·39	+12·97	4·01	Cherat.
8	5	1	4	6	5			1	S 71° E	N 68° E	5·9	9·3	−3·4	27	+ 7	62	+16	·262	+ ·037	3·7	−0·4	11	5·90	+5·10	7·80	3·35	+4·45	35·42	16·05	+19·37	1·80	Murree.
		1	3	5	6	6	7	2	S 23° W		0·6	2·0	−1·4			70		·142		4·6		6			2·16	2·96	−0·80	20·04	13·56	+6·48	0·70	Kailang.
2	12			3	13				S 34° E	N 39° E	6·0	6·2	−0·2	13	− 7	52	+12	·217	+ ·020	4·1	+0·9	7	3·10	+3·90	4·11	1·70	+2·41	22·26	10·71	+11·55	1·21	Simla.
17	3	4	1		3	2			N 63° E		3·3			7		61		·237		4·0		6			2·72			27·25			1·06	Sarain.
																	Observations not received.															Kalabagh.
18	9	1						2	N 4° W	N 17° E	7·6	7·5	+0·1	37	− 1	70	+27	·303**	+ ·093	3·4	+0·8	6	3·90	+2·10	3·43	1·44	+1·99	24·54	12·83	+11·71	1·31	Chakrata.
14			3			1	12		W		7·8			33		55		·226		4·2		8			3·18			14·55			0·99	Muktesar.
18		3	1	2	1	2	2	1	S 18° E	S 28° E	5·5	8·6	−3·1	3	− 5	84	+ 3	·331	− ·018	7·4	+2·6	7	8·29	−1·29	4·21	4·34	−0·13	11·26	7·84	+3·42	1·13	Darjeeling.
28					3	3			S 23° W		7·9			20		67		·366		5·4		14	8·70	+5·30	5·56			11·75	7·71	+4·04	1·14	Shillong.
4		1		1	1	11	10	2	S 68° W		8·4			62		86		·475		7·8		19	17·00	+2·00	27·28			43·71	49·87	−6·16	5·68	Cherra Poonjee.
24				1	2	2		1	S 22° W		2·7‖			10		74		·563		2·5		2	4·30	−2·30	0·40			2·21	3·95	−1·74	0·25	Maymyo.
1	1	4		2	3	11	3	5	S 64° W	N 88° W	7·0	6·0	+1·0	37	+10	50**	+21	·392**	+ ·087	4·1	+2·2	3	0·80	+2·20	1·81	0·25	+1·56	5·86	2·17	+3·69	0·97	Pachmarhi.
2	3	2	1			6	8	8	N 69° W	N 63° W	8·1	8·8	−0·7	53	+10	47	+18	·352	+ ·088	2·9	+1·9	3	0·30	+2·70	0·60	0·04	+0·56	3·02	1·00	+2·02	0·26	Mount Abu.
7	5	3	2	1		1	1	10	N 17° W	N 21° W	3·1	4·0	−0·9	46	+ 6	86	+ 8	·595	+ ·009	5·4	+1·2	9	5·70	+3·30	6·13	2·67	+3·46	8·69	4·15	+4·54	1·95	Mercara.
2		5	11	9	3				S 74° E		4·7			72		59		·213		4·4		6	7·10	−1·10	3·41			10·44			1·97	Ootacamund.
	4	6	12	5				3	N 69° E		10·5‖			62		74		·254		3·7		9	7·00	+2·00	6·26			15·21			2·66	Kodaikanal‖

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

‡ Mean of 27 days.

‖ Uncorrected readings.

§ Indeterminate.

Table

Abstract of observations taken at 8 hrs.

Number of sub-division.	Station.	Elevation of bar cistern above sea-level in feet.	Pressure 8 hrs. in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	XIII.—Extra India.																						
	Singapore (a)	10	29·921		29·852	30·021	3rd	29·851	17th	·170	86·3	89·9		74·6		82·3		15·3	92·6	5th	70·5	1st	22·1
	Penang(a)	20	29·906		29·851	29·980	15th	29·817	24th	·163	84·5	94·0		75·2		84·6		18·8	95·0	11 days	72·0	22nd	23·0
	Trincomalee	12	29·891	+·020	29·829	29·981	4th	29·816	30th	·165	80·3	89·1	−1·9	77·1	−0·5	83·1	−1·2	12·0	92·5	29th	74·0	4th	18·5
	Colombo	40	29·871	−·010	29·837	29·943	2nd	29·818	28th	·125	81·0	89·3	+0·4	75·4	−0·6	82·4	−0·1	13·9	91·5	8th & 10th.	71·5	10th	20·0
	Minicoy	7	29·900		29·833	29·973	5th	29·857	21st	·116	84·8	89·7	0						93·4	5th			
	Amini Divi	*13*	29·904	+·009	29·845	29·980	5th	29·856	21st & 24th	·124	85·0	91·7	+1·3	78·7	−1·3	85·2	0	13·0	95·3	21st	73·8	22nd	21·5
	Gyantse	13,120	18·453			18·569	1st	18·344	16th	·225	37·4	57.2		27·6		42·4		29·6	67·2	24th&25th	10·5	6th	56·8
	Pharijong	14,400	?			?	?	?	?	?	27·7	42·2		18·2		30·2		23·9	58·1	7th, & 8th.	5·0	1st	53·1
	Gangtok	5,630P	24·461			24·553	4th	24·381	24th	·172	56·8	67·1		49·6		58·4		17·5	73·6	27th	42·3	15th	31·3
	Gartok	15,100P						Observatory not opened.															
	Kashgar (c)	4,255	25·460(b)			25·510	29th	25·410	30th	·100	61·6	77·3	+2·4	59·0	+6·0	68·2	+4·2	18·3	78·3	29th	58·5	29th	19·8
	Kabul		24·241		24·210	24·353	3rd	24·140	30th	·213	55·7	71·7	+ 0·3	45·8	+0·7	58·8	+ 0·5	25·9	86·1	27th	37·4	17th & 19th.	48·7
	Meshed‡§	3,104	27·371			27·750	30th	27·050	11th & 27th	·700	60·2	69·0		50·0	+2·0	59·5		19·0	81·5	27th	39·9	16th	41·6
	Jask	13	29·861†	−·026†	28·831†	30·030	9th	29·733	27th	·297	76·8	83·8	−3·4	72·2	−1·1	78·0	−2·3	11·6	94·3	28th	61·2	9th	33·0
	Muscat**	20	29·901‡	+·039‡	29·869‡	30·037	2nd	29·808	11th	·229	81·7	88·1	+2·3	79·5	−1·0	83·8	+0·7	8·6	12·3	28th	68·6	8th	33·7
	Bahrein	18	29·856		29·927	30·100	5th	29·853	10th	·247	75·8	80·2		68·1		74·2		12·1	93·2	25th	60·1	8th	33·1
	Bushire‡‡	14	29·883	+·002	29·866	29·994	28th	29·792	24th	·202	70·6	78·3	−3·3	66·1	−0·6	72·2	−2·0	12·2	100·5	27th	58·2	29th	42·3
	Busrah	25	29·939‖		29·924‖	30·123	28th	29·768	10th	·355	70·9	81·1		61·1		71·1		20·0	96·4	26th	53·7	11th	42·7
	Ispahan	*5,817*	24·234¶			24·480	30th	24·070	11th	·390	52·1	72·5	−0·6	48·1	+2·5	60·3	+1·0	24·4	84·4	27th	39·2	2nd & 6th.	45·2
	Tehran	*4,002*	25·750¶			25·950	29th	25·600	11th	·350	55·4*	72·7	+1·0	48·0	−1·9	60·3	−0·5	24·7	84·5	22nd	35·7	6th	49·8
	Baghdad‡‡	220	29·815	−·032	30·017	30·166	28th	29·611	9th	·455	63·2	75.8	−5·7	58·6	+1·9	67·2	−1·9	17·2	87·3	24th	49·8	4th	37·5
	Beirut				29·881						65·4	72·6		56·7		64·7		15·9	95·9	23rd	46·2	1st	49·7
	Aden	94	29·849	+·008	29·875	29·913	16th	29·794	12th	·116	81·8	87·8	−1·2	78·1	+0·8	83·0	−0·3	9·7	93·8	27th	75·9	23rd & 24th	17·9
	Perim	201	29·700	+·013	29·836	29·762	16th	29·648	8th	·114	83·1	86·2	−2·5	78·9	+0·1	82·6	−1·2	7·3	90·5	30th	75·4	15th	15·1
	Zanzibar	72	29·905	−·033	29·907	29·987	26th	29·843	12th	·144	79·6	83·9*	−0·8	77·5	−0·1	80·7*	−0·5	6·4	88·7	10th	74·8	26th	13·9
	Do. Dunga‡‡	*154*	29·836		29·918	29·872	28th	29·761	11th	·111	79·2	84·2							88·5	10th			

N B.—Elevations in italics indicate barometrical determinations.

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

** Observations of 27 days.
(a) 9 hrs. observations.
(b) Aneroid corrected.
* Mean of 29 days.
¶ Aneroid uncorrected.
‡‡ Observations of 28 days.
(c) Observations of 2 days
‡ Mean of 23 days.
‖ Mean of 28 days.
§§ Observations of 29 days.

—concluded.

t 235 stations in India, etc., in April 1907—concluded.

Wind direction. Number of winds from Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction	Wind velocity. Mean velocity miles per hr.	Normal.	Departure from normal.	Wind steadiness. Actual percentage.	Departure from normal.	Hygrometry 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal of days.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st Dec. 1906 to 30th April 1907.	Normal rainfall for period, 1st Dec. to 30th April.	Departure from normal of period 1st Dec. 1906 to 30th April 1907.	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.
		2	8	14		4		1	S 56° E		6·5§			62						3·1		8			4·17			35·22			1·28	Singapore.
	10	6	4	4	2	1	1	2	N 39° E		11·7§			43						0·2		5			1·43			21·40			0·53	Penang.
19				7	4				S 15° W	S 39° W	12;	6·8	−5·6	33	−35	86	+5	·891	−·036	4·2	+1·1	3			4·27	1·81	+ 2·46	28·41	26·52	+1·89	2·17	Trincomalee
		6	10	6	1	3	3	1	S 74° E	S 12° E	5·7	6·3	−0·6	43	− 9	82	+ 4	·877	−·017	4·5	−0·4	8			5·67	12·03	− 6·36	13·26	28·76	−15·50	2·30	Colombo.
	6	8	5	3	3	9		1	N 66° E	N 59° W	5·8	7·4	−1·6	33	−22	41	−35	·884	+·003	5·1	+0·4	7			4·86	3·67	+ 1·19	11.70	11·75	−0·05	2·23	Minicoy.
4	10	8	2		2	1	1	2	N 20° E					49		77	+ 2	928	−·003	5·2	+0·3	7			4·87	2·58	+ 2·29	7·97	3·09	+ 4·88	2·00	Amini Divi.
			1	19	7	3			S 28° E		3·0			82		66		·142										0				Gyantse.
15	2			2	4	2	1	4	S 63° W		7·8			13						3·		0			0			0			0	Pharijong.
23		5		1	1				N 64° E		2·4			13		83		·384		2·7		15			12·40			22·06			2·05	Gangtok.
																	Observatory not opened.															Gartok.
2									(a)	N 21° W	3·2	4·6	−4·2	(a)		54	+8	293	+·073	6·5	+1·5	0			0	0·12	−0·12	0·48	0·90	−0·42	0	Kashgar.
	4	2				4	11	9	N 65° W	N 89° W				69	+56	69		·314		2·3	+1·0	9			3·00	2·24	+0·76	12·63	9·65	+ 2·98	0·75	Kabul.
																69		·361		5·2	+0·8	8			3 91	1·78	+2·16	9·62	6·35	+ 3·27	1·05	Meshed.
4	2	4	5	2		1		12	N 1° E	N 45° W	13·2	9·8	+3·4	37	+22	67	+1	·615	−·057	3·0	+2·0	1			0·26	0·09	+0·23	3·49	3·80	− 0·31	0·17	Jask.
7			1	2	1	1	4	11	N 65° W	N51° W	6·3	4·3	+2·0	11	−19	64	+6	·671	+·026	1·5	+0·7	2			0·67	0·09	+0·84	5·79	3·40	+ 2·39	0 69	Muscat.
	4			1	2	1	8	12	N 62° W	N 1° E				63		72		·635		0		1			0·26			2·13			0 20	Bahrein.
2	2	2	2	2	3	1	3	11	N 47° W		12·1	9·0	+3·1	32	− 5	75	+13	·566	+·049	3·1	+0·7	3			0·61	0·53	+0·08	6·21	10·24	− 4·03	0·31	Bushire.
4	20				5		1		N 4° W					49		68		·522		2·8		4			0·93			6·31			0·47	Busrah.
19					1	1	8	1	S 54° W	N 83° W	4·5	6·4	−1·9	30	− 7	59	−6	·236	−·087	2·5	−0·2	2			0·49	0·38	+0·11	4·44	2·34	+ 2·10	0·33	Ispahan
3	3	18			1	3		1	N 38° E°	S 63° W	5·3	4·4	+0·9			78°		·348		2·4		2			1·10	1·18	−0·08	7·52			0 61	Teheran.
12	10				3		1	1	N 14° W	N 2° W	5·8†	4·2	+1·6	29	− 4	68	+6	·401	−·001	2·8	+1·2	5			2·38	0·96	+1·42	8·25	7·75	+ 0·50	0·76	Baghdad.
7		2	5	1		14		1	S 22° W					27		66		·407		4·6		3			1·47			31·01			0·71	Beirut.
3		24	1			1	1		N 45° E	N 80° E	17·0	15·4	+1·6	72	− 2	74	0	·800	+·009	4·1	+0·7	1			0·34	0·38	−0·04	0·74	2·23	− 1·49	0·25	Aden.
		1	28	1					E	S 69° E	15·1	13·0	−2·9	98	+40	81	+5	·925	+·086	3·3	−1·0	1			1·06	0·02	+1·04	1·41	0·97	+0·44	1·09	Perim.
5				1	8	14	2		S 30° W	S 15° W	5·8	7·1	−1·3	72	−12	86	0	·873	+·015	6·5	+0·2	15			6·68	10·39	−3·71	29·82	24·41	+ 5·41	2·15	Zanzibar.
	1	1			2	5	11	8	N 84 W		5·6			67		91		·910		7·7		14			12·79			32·21			3·00	Do. Dunga.

(a) Indeterminate.
c Mean of 1 day.
† Mean of 27 days.

§ Uncorrected readings.

Table C.—Abstract of observations taken at 8 hrs. at 25 stations in India, etc., in April 1907.

Table

Abstract of observations taken at 8 hrs.

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.	NE.	E.	SE.	S.	SW.	W.	NW.		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
	II.—Eastern Bengal and Assam.																								
4	Bishnath	66·6	82·6	...	61·5	...	72·1	...	21·1	91·7	28th	50·1	1st	41·6	...	...	...	...	...	...	...	...	...	...	...
	Borjuli	69·4	87·0	...	60·4	...	73·7	...	26·6	90·0	24th	52·2	7 days	37·8	...	...	...	...	...	...	...	...	...	...	...
	Chandkhira	72·4	85·0	...	65·1	...	75·1	...	19·9	92·3	23rd	55·3	2nd	37·0	...	...	...	...	...	...	...	...	...	...	...
	Doom Dooma	65·5	82·6	...	55·0	...	68·8	...	27·6	91·9	22nd	39 8	6th	52·1	...	...	...	...	...	...	...	...	...	...	...
	Dikom	67·2	79·4	...	63·3	...	71·4	...	16·1	90·2	24th	55·5	2nd	34 7	...	...	...	...	...	...	...	...	...	...	...
	Golaghat	69·4	80·9	...	64·3	...	72·6	...	16·6	89·2	20th	54·4	1st	34·8	...	...	...	...	...	...	...	...	...	...	...
	Hailakandi	72·1	84·6	...	67·1	...	75·9	...	17·5	91·5	24th	60·5	1st & 2nd.	31·0	...	...	...	...	...	...	...	...	...	...	...
	Jorehat	69·7	81·1	...	65·1	...	73·1	...	16·0	88·7	23rd	56·8	2nd	31·9	...	...	...	...	...	...	...	...	...	...	...
	Mes·a	72·4	89·8	...	61·0	...	75·4	...	28·8	94·1	25th*	48·8	1st	45·3	...	...	...	...	...	...	...	...	...	...	...
	Panerihat	64·3	81·3	...	62·4	...	71·9	...	18·9	88·0	23rd	51·4	1st	36·6	...	...	...	...	...	...	...	...	...	...	...
	Srimangal	75·3	89·1	...	67·4	...	78·3	...	21·7	96·2	25th	56·7	1st	39·5	...	...	...	...	...	...	...	...	...	...	...
	Tura*	79·4	84·2	...	67·3	...	75·8	...	16·9	94·6	20th	60·4	5th & 10th.	34·2	...	3	...	...	5	3	19		...	S 30° W	...
5	Brahmanbaria	78·3	90·0	...	69·9	...	80·0	...	20·1	98·1	14th	60 5	4th	37 6	...	...	...	...	...	...	...	...	...	...	...
	Dam Dim	68·8	87·1	...	62·9	...	75·0	...	24·2	92·5	24th	51·9	1st & 3rd	40·6	...	...	...	...	...	...	...	...	...	...	...
	Goalundo	78·2	91·9	...	69·2	...	80·6	...	22·7	101·4	26th	60·0	2nd	41·4	...	...	...	...	...	...	...	...	...	...	...
	Kalchini	75·7	84·8	...	63·5	...	74·2	...	21·3	93·5	24th	52·0	1st	41·5	...	...	...	...	...	...	...	...	...	...	...
	Nagrakata	72·2	84·5	...	65·9	...	75·2	...	18·6	91·6	24th	57·9	15th	33·7	...	...	...	...	...	...	...	...	...	...	...
	Pabna	78·0	94·9	...	69·2	...	82·1	...	25·7	104·2	25th	60·9	1st & 2nd.	43·3	...	...	...	...	...	...	...	...	...	...	...
	III.—Bengal.																								
6	Fraserganj	81·6	...	...	...	...	No observations taken of maximum and minimum thermometers								...	...	...	...	...	...	...	...	...	...	...
	XI.—Central Provinces.																								
24	Chhindwara	...	...	...	...	...	...	...	Observatory not opened.				...	...	...	...	...	...	...	...	...	...	...	...	...
	Hill Stations.																								
	Panighatta	74·2	84·8	...	65·1	...	75·0	...	19·7	92·5	27th	51·8	15th	40·7	...	..	...	...	...	...	...	...		...	...
	Kurseong	62·9	68·8	...	56·3	...	62·6	...	12·5	74·9	27th	51·0	15th	23·9	...	...	...	...	...	...	...	...	...	...	...
	Poo	...	57·3	...	40·5	...	48·9	...	16·8	70·6	29th	31 6	1st	39·0	15	...	...	3	4	2	1	1	...	S 34° E	...
	Killa Drosh	54·8	70·9	...	50·7	...	60·8	...	20·2	87·6	28th	37·4	13th	49·6	12	...	1	...	...	...	...	...	1	N	...
	Pishin	...	74·4	...	48·3	...	61·4	...	26·1	87·6	29th	38·0	18th	49·6	...	...	...	...		...	...	...	...	...	...
	Extra India.																								
	Dithala	71·5	81·9	...	57 6	...	69·8	...	24·3	88·9	23rd	54·1	2 st & 24th.	34·8	...	2	4	4	11	8	1	...	...	S 49° E.	...

¶ Observations of 26 days.

* 10 hours observations.

C.

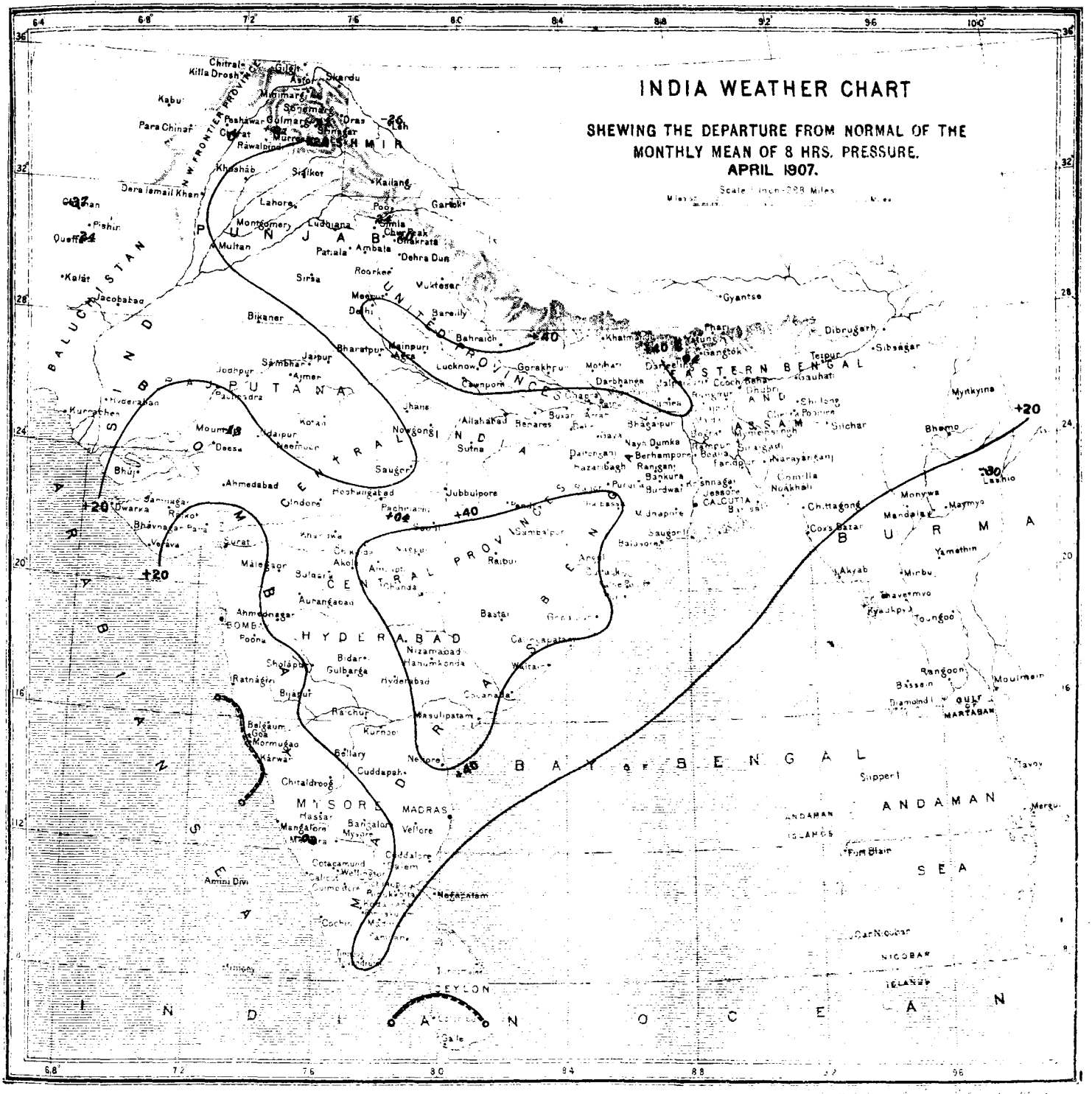
at 25 fourth-class stations in India, etc., in April 1907.

Wind velocity.			Wind steadiness.		Hygrometry, 8 hrs.				Cloud.		Rainfall.									Heaviest rainfall during month.	Station.
Mean velocity, miles per hour.	Normal.	Percentage departure from normal.	Actual percentage.	Departure from normal.	Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Mean cloud amount at 8 hrs.	Departure from normal.	Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st December 1906 to 30th April 1907.	Normal rainfall for period, 1st Dec. to 30th April.	Departure from normal of period 1st Dec. 1906 to 30th April 1907.		
27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
																					II.—Eastern Bengal and Assam.
...	...	...	...	...	97	...	·640	...	...	...	15	...	...	9·92	...	...	16 66	..	...	1·78	Bishnath.
...	...	...	...	...	91	...	·663	...	...	...	14	...	...	7·32	...	...	12·52	...	...	1·55	Borjuli.
...	...	...	...	...	88	...	·702	...	...	...	19	...	...	15·99	..	...	23·40	...	...	2·24	Chandkhira.
...	...	...	...	...	95	...	·607	...	...	...	16	...	.	7·69	...	...	16·86	...	...	1·20	Doom Dooma.
...	...	...	...	...	89	...	·598	...	...	...	16	...	...	10 69	...	...	18 71	...	...	1·43	Dikom.
...	...	...	...	...	92	...	·665	...	...	...	16	...	...	7·30	...	...	14·76	...	...	1·02	Golaghat.
...	...	...	...	...	88	...	·696	...	...	...	19	...	...	16·65	...	...	33·64	...	...	2·70	Hailakandi.
...	...	...	...	...	88	...	·639	...	...	...	13	...	...	6 89	...	...	12·22	...	...	1·19	Jorehat.
...	...	...	...	...	86	...	·691	...	...	...	11	...	...	5·92	...	...	11·51	...	...	1·43	Messa.
...	...	...	...	...	92	...	563	...	...	...	12	...	...	6 78	...	..	11·21	...	...	1·53	Panerihat.
...	...	..	...	...	83	...	·734	...	...	...	14	...	...	10·65	...	...	15·01	...	...	2·92	Srimangal.
...	...	...	67	...	63	...	·626	...	4·5	...	10	...	...	5·51	...	...	13·88	...	...	1·60	Tura.
...	...	...	...	...	83	...	·468	...	...	...	10	...	...	8·95	...	...	12·99	...	...	3·30	Brahmanbaria.
...	...	...	...	...	87	...	·620	...	...	...	9	...	...	6·58	...	...	10·01	...	...	1·26	Dam Dim.
...	...	...	...	...	79	...	·765	...	...	...	7	...	...	9·98	...	...	13·43	...	...	3·37	Goalundo.
...	...	...	...	...	92	...	·833	...	...	...	11	...	...	4·55	...	...	9·52	...	...	1·06	Kalchini.
...	...	...	...	...	73	...	·600	...	...	...	11	...	...	9·86	...	...	17·96	...	...	2·50	Nagrakata.
...	...	...	...	...	81	...	·776	...	...	...	5	...	...	2·29	...	...	4·45	...	...	1·20	Pabna.
																					III.—Bengal.
...	...	...	...	...	82	...	·883	...	...	..	6	...	...	3·13	...	...	9·43	...	...	1·00	Fraserganj.
																					XI.—Central Provinces.
...	...	...	...	...	...	Observatory not opened.			...		...	...	...	...	...	...	...	...	...	...	Chhindwara.
																					Hill Stations.
...	...	...	...	...	64	...	·543	...	...	...	10	...	...	3·99	...	...	7·40	...	...	0·82	Panighatta.
...	...	...	...	...	69	...	·391	...	...	...	10	...	...	7·33	...	...	12·10	...	...	1·92	Kurseong.
...	...	...	27	...	...	...	...	...	4·3	...	1	...	...	0·70	1·72	—1·02	9·95	14·0	—4·06	0·55	Poo.
...	...	...	5	...	67	...	·286	...	2·5	...	7	...	...	2·79	...	...	9·47	...	...	0·85	Killa Drosh
...	...	...	...	...	...	...	...	...	2·2	...	2	...	...	1·00	0·86	+0·14	7·92	8·91	—0·99	0·36	Pishin.
																					Extra India.
13·6	...	...	60	...	63	...	·468	...	...	...	5	...	...	3·03	...	...	...	...	...	1·24	Dithala.

The lines on 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 fixed 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 ,, ,,



No. 258 E. Weather India — July 27 — 1907

LITHO. BY S. S. MUNDLE.

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

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

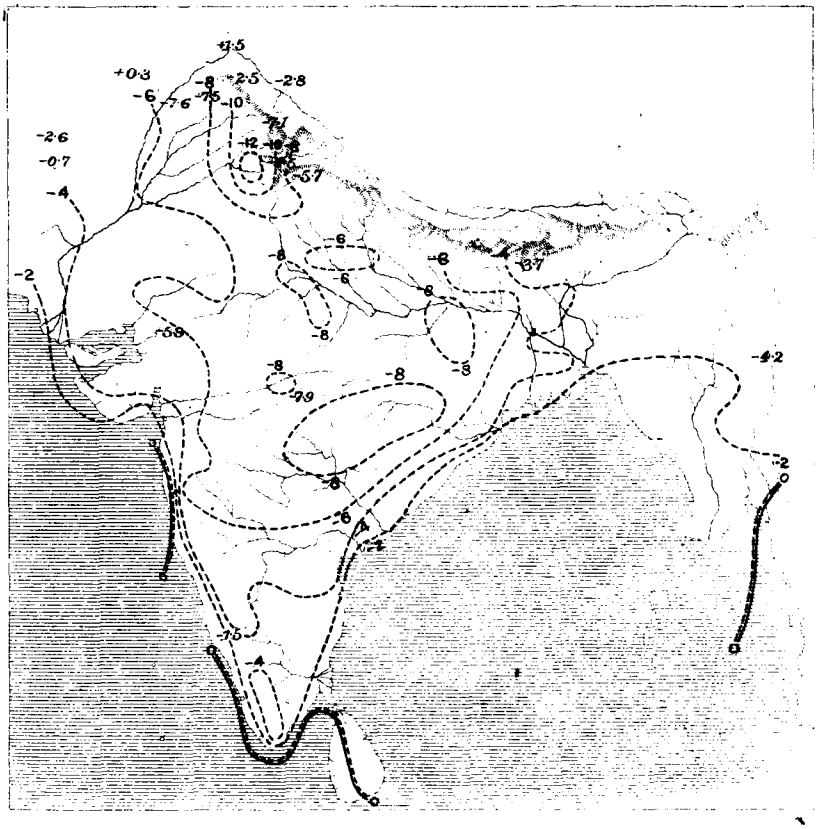
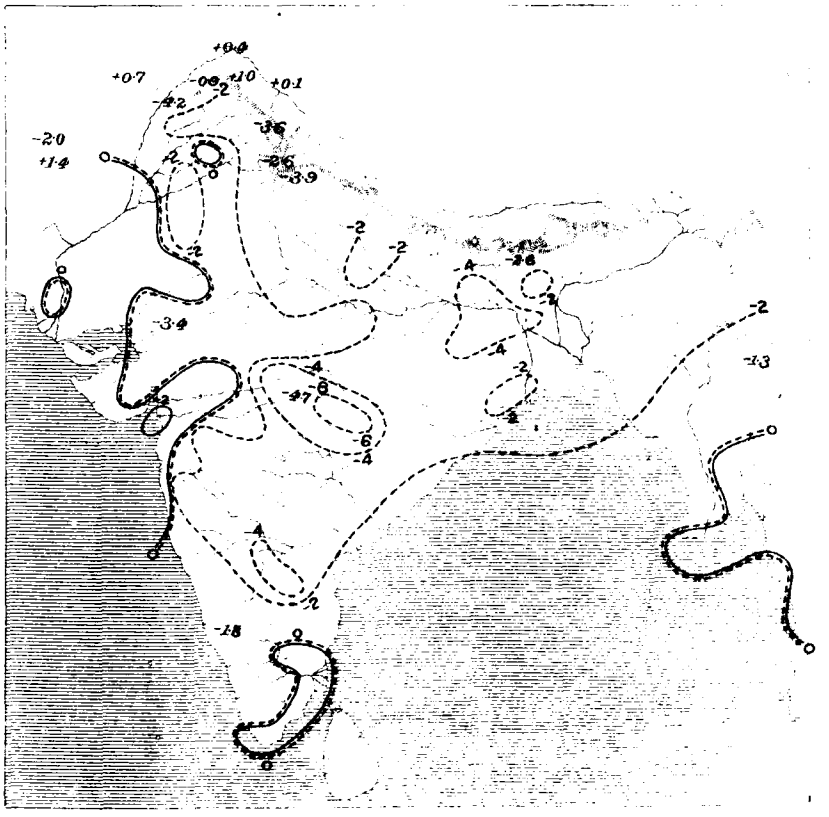


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MINIMUM TEMPERATURE.



LITHO. BY S. B. MUNDLE

PLATE IV.

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

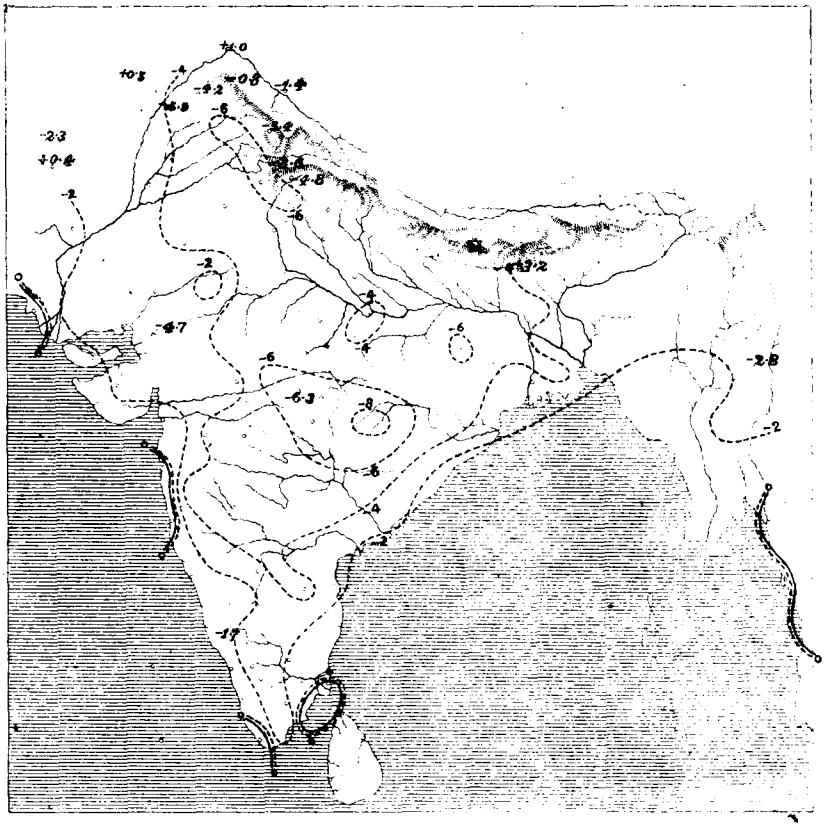


CHART SHEWING THE MONTHLY MEAN OF PRESSURE AND RESULTANT WIND DIRECTION.

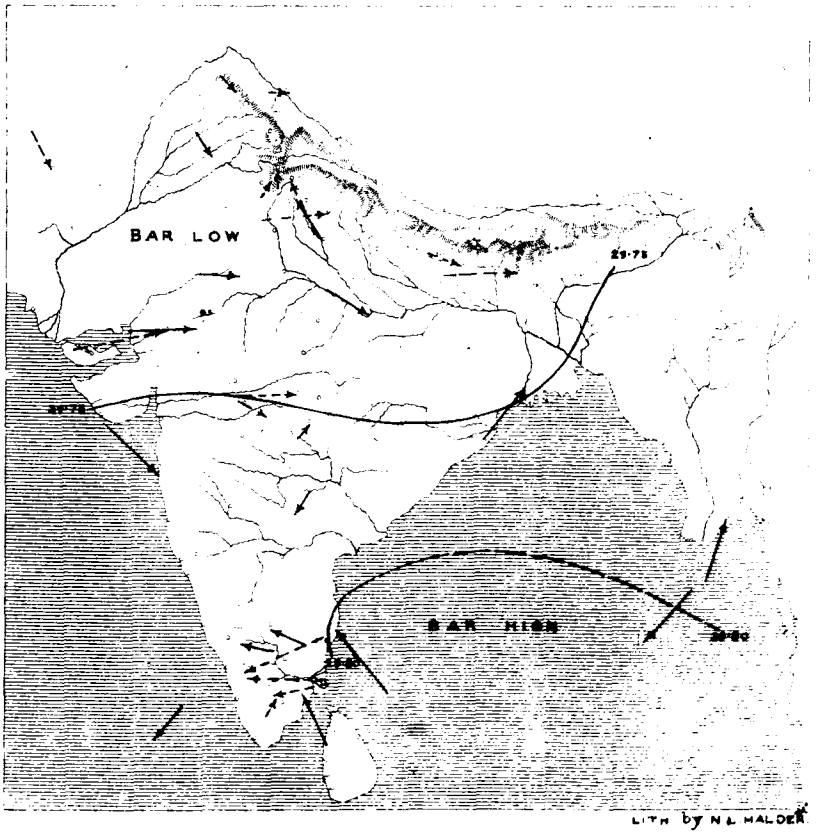


CHART SHEWING THE DEPARTURE FROM NORMAL
OF THE MONTHLY MEAN OF ABSOLUTE
HUMIDITY AT 8 HRS.

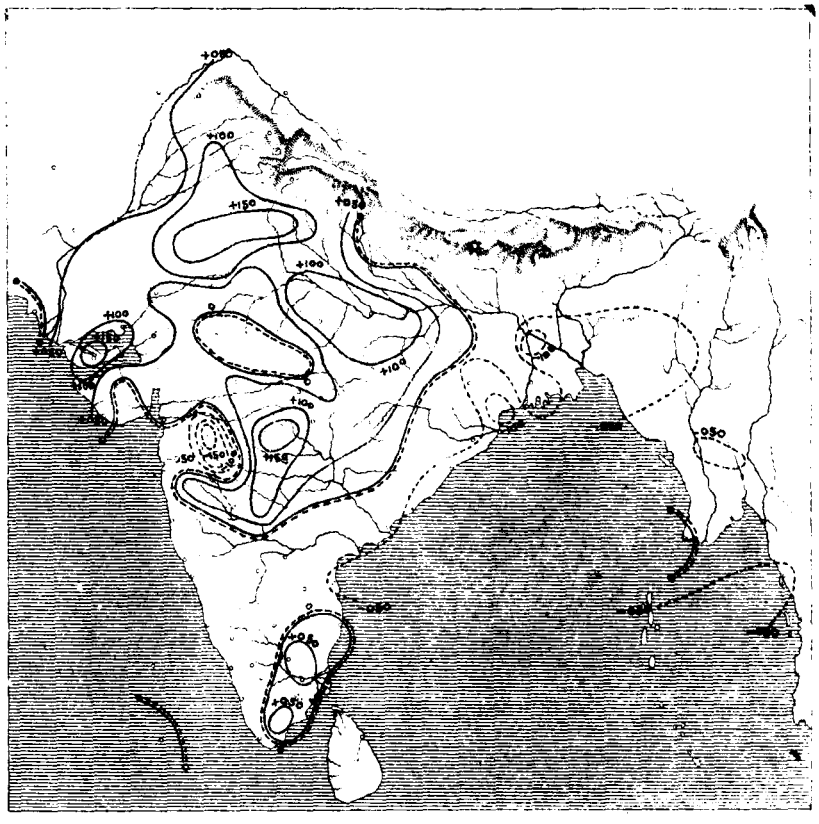


CHART SHEWING THE DEPARTURE FROM NORMAL
OF THE MONTHLY MEAN OF RELATIVE
HUMIDITY AT 8 HRS.

PLATE VI.

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

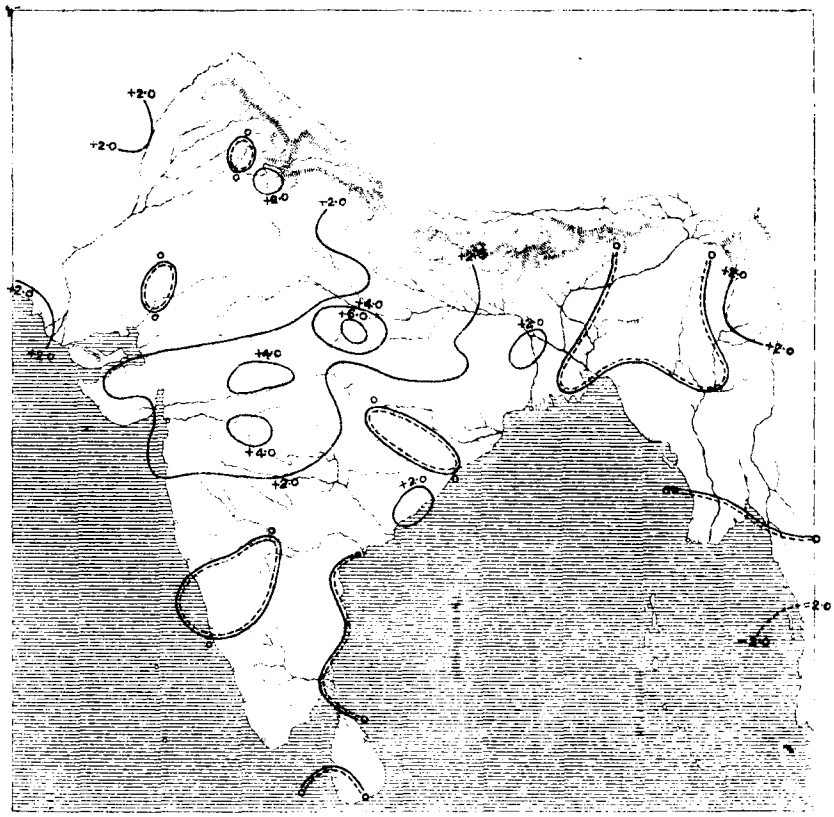
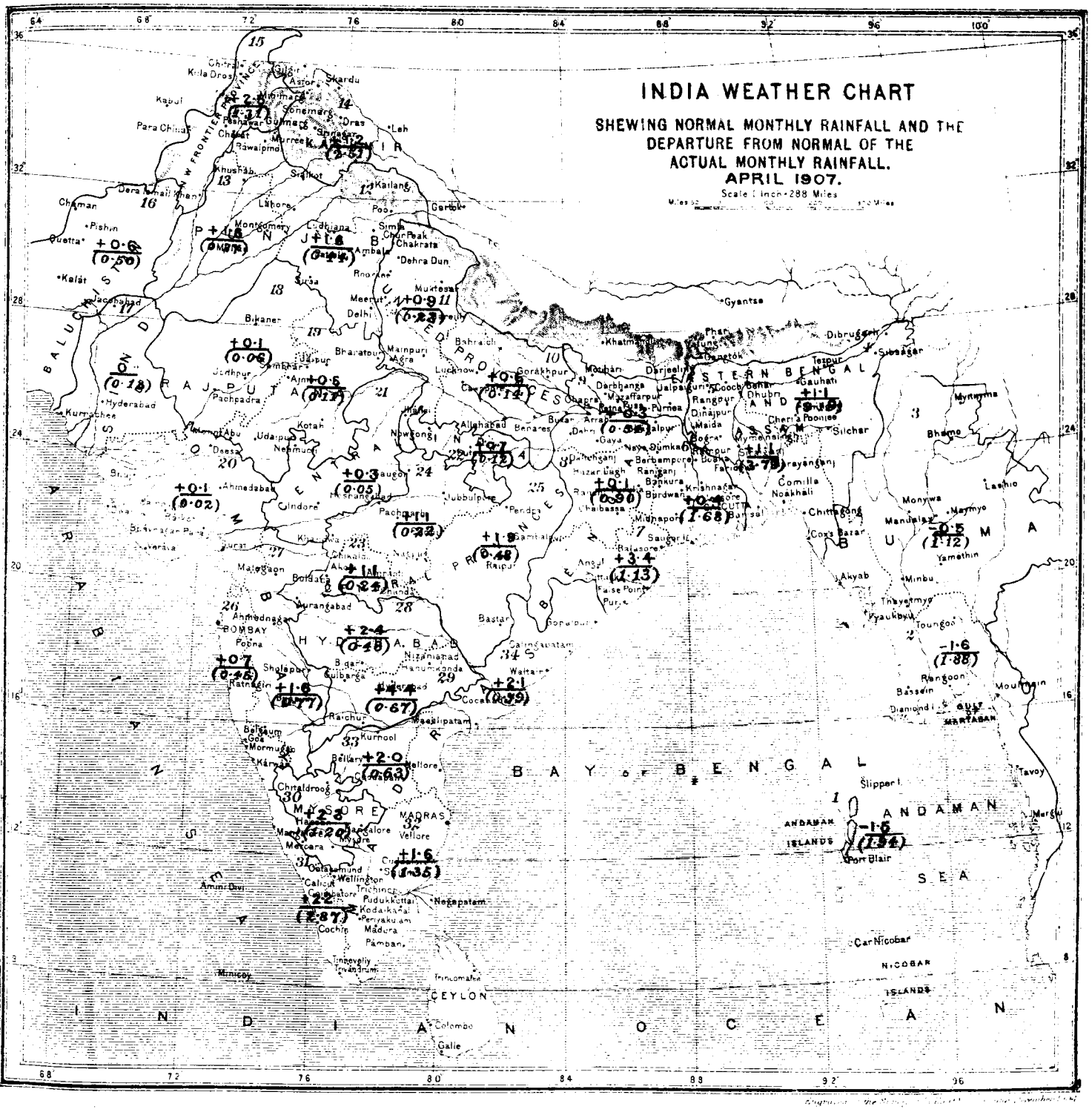


CHART SHOWING THE TOTAL NUMBER OF DAYS IN THE MONTH ON WHICH RAINFALL EQUALLED OR EXCEEDED 0·10 INCH.

(BASED ON THE RETURNS OF TABLE B)



The country is divided into 31 areas as shewn in the list below. The numbers in that list correspond with the red numbers on the chart, and serve to identify the areas. The numbers in brackets on the chart give the average over the divisions of the normal monthly rainfall; the numbers above these give the departures from normal of the average actual rainfall over the divisions.

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

GOVERNMENT OF INDIA.

METEOROLOGICAL DEPARTMENT.

MONTHLY WEATHER REVIEW.

PUBLISHED BY ORDER OF

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CALCUTTA, MAY, 1907.

INTRODUCTION.

THIS review of the weather in India for the month of May, 1907, is based on observations taken daily at 8 hrs. at 236 stations and on additional observations recorded at 10 hrs. and 16 hrs. at 36 stations. In the case of the rainfall section of the review there are utilized the data afforded by the meteorological observatories and such rainfall statements of the month as had been published in the Government Gazettes by the Provincial Governments prior to the date of the publication of the review. The brief notes on solar, seismic and magnetic disturbances have been supplied by the chief observatories.

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

Summary of the chief features of the weather in India during the month of May, 1907.

2. The chief feature of the weather during May is the very high temperature that prevails over the whole country, but especially in northern and central India; this year however this feature was not as strongly pronounced as usual, and both day and night temperatures were below normal in northwest India and the central portions of the country during almost the whole month.

In northern India the trough of low pressure which is characteristic of the hot season did not become permanently established until the middle of the month, and duststorms and thunderstorms were in consequence less numerous than usual in northern and central India.

There were two feeble preliminary advances of the southwest monsoon into the Bay of Bengal, and they were accompanied by cyclonic storms of moderate intensity. The first storm formed over the Andaman Sea and on the 4th crossed the Tenasserim coast near Moulmein where it gave about 26 inches of rain, mostly in one day. The other storm formed over the south of the Bay and crossed the Arakan coast north of Diamond Island on the 15th; it caused general and moderately heavy rain in Lower Burma.

A temporary advance of the monsoon occurred in the Arabian Sea at the end of the month, when a cyclonic storm began to form off the Malabar coast.

Rainfall was in moderate to large defect over the whole country except in Lower Burma where the two storms gave a large excess.

Solar, seismic and magnetic disturbances.

KODAIKANAL OBSERVATORY.

3. *Solar Observations.* May was very favourable for Solar observations which were made on all the days.

Sunspots. There was a great falling off in spot activity during the month. The total number of spot groups recorded fell from 33 in April to 18 in May. The daily average too was smaller, being only 3·1 as against 5·3 in

the preceding month. However 5 out of the 18 were of regular outline and 3 could be classed as large. The latter were Nos. 1145, 1146 and 1148 and they were all observed during the earlier part of the month. No. 1145 formed on the visible disc of the sun on the 3rd about a day's journey from the central meridian. It rapidly developed till the 6th when it attained its maximum size. The next day it had begun to decrease and its spectrum indicated some disturbance. The C line was observed brilliantly reversed over a large area surrounding the spot. The spectroheliograms in Ca light taken during the morning show that the eruptions began between 8 hrs. 10 m. and 8 hrs. 13 m. I. S. T. and that it had disappeared by 10 hrs. 47 m. During the subsequent days it was still becoming smaller and all the little companions had disappeared by the 9th. The main spot now very much shrunk went round the west limb on the 10th. No. 1146 came round the east limb on the 4th. It was a large group visible to the naked eye and at first consisted of a main spot with double umbræ and smaller companions. The umbræ afterwards became united and the smaller companions were sometimes showing up and disappearing. The main spot was becoming smaller as it approached the west limb and the umbra again divided into two. The group disappeared at the west limb on the 16th. No. 1148 was first seen on the 7th as two small dots about half way up between the east limb and the central meridian. It grew day after day until the 11th when the C line was observed reversed in several places close to the spot and slightly displaced to the red end in some other places. Then the spot began to decrease in size and went round the receding limb on the 15th.

The large preponderance of southern spots in the sun noticed in April has given way to a more equal distribution during the month. Their distribution in latitude was as follows:—

	0°-10°	10°-20°
North	4	4
South	3	7

There was no spot of higher latitude than 18° in either hemisphere of the sun.

Prominences. Tall prominences were even more numerous than in the preceding 3 or 4 months. There were as many as 87 of about or more than a minute in height; 4 of these were 2 minutes high and two more than 4½ minutes high. The tallest was 290″ high and was observed and photographed on the 3rd at position angle 45°. It consisted of faint narrow streamers and filaments detached from the limb and forked about the middle. On May 8th a very large number of prominences covered the solar limb and almost a continuous series of prominences large and small extended from position angles 25° to 100°.

Magnetic disturbances. There were moderate magnetic disturbances recorded on the 18th and 19th, and 28th and 29th. No large spots on the sun were seen on any of these days nor were there any spots close to the central meridian.

J. EVERSHED,
Acting Director,
Kodaikanal & Madras Observatories.

BOMBAY OBSERVATORY.

Note on the Alibag magnetic record.

4. During the month the traces showed 8 calm days, 22 days of small and one day of moderate disturbance.

The days of the month selected as quiet are the 2nd, 8th, 9th, 27th and 30th.

The mean observed absolute values of the several elements, as also the ranges and the summed ranges of the Horizontal Force and Declination for the month are as follow:-

Declination . . .	1° 2′ 15″ East.
Horizontal Force . .	0.36874 C. G. S. Unit.
Dip . . .	23° 14′.2
Horizontal Force Range .	0.00046 C. G. S. Unit.
Horizontal Force summed range.	0.00304 „ „ „
Declination range. . .	4′.61
Declination summed range .	19′.77

(Note.-Summed range means sum without regard to signs of 24 Ordinates of diurnal inequality).

Magnetic Disturbances,
May 1907.

May 1907.		May 1907.		May 1907.	
1	C.	11	S.	21	S.
2	C.	12	S.	22	S.
3	S.	13	S.	23	C.
4	S.	14	S.	24	S.
5	S.	15	S.	25	S.
6	S.	16	S.	26	C.
7	S.	17	S.	27	C.
8	C.	18	S.	28	S.
9	C.	19	S.	29	M.
10	S.	20	S.	30	C.
				31	S.

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

Seismic disturbances recorded at Colaba.—Four small seismic disturbances were recorded during the month, one on the 4th, one on the 7th and two on the 25th.

List of seismic disturbances.

Date.	Commencement.	Maximum.	End.	Maximum displacement from mean position.	Duration.
	H. M.	H. M.	H. M.	mm.	H. M.
4th May . . .	8 49·3	9 17·7	9 33·1	0·5	0 43·8
7th „ . . .	10 46·1	10 50·1	lost in tremors.	0·5	...
25th „ . . .	12 6·4	12 23·5	13 11·0	0·5	1 4·6
„ „ . . .	14 20·4	14 37·4	15 12·3	0·9	0 51·9

All times given above denote G. M. T.

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

CALCUTTA OBSERVATORY.

5. *List of displacements recorded by the Milne seismograph at the Alipore Observatory during May 1907.*

Date, 1907.	P.T. Commencement. G.M.T.	L.W. Commencement. G.M.T.	Maximum G.M.T.	End. G.M.T.	Duration.	Maximum displacement on trace from mean position.	REMARKS.
	H. M.	H. M.	H. M.	H. M.	H. M.	mm.	
1-5-07.	8-48·4	9-20·9	9-30·6	10-0·1	1-11·7	0·75	Sensibility 1mm. =0·38″ of tilt.
3-5-07.	20-53·9	...	20-58·5	21-5·1	0-11·2	0·50	»
4-5-07.	6-9·9	...	6-16·0	6-55·7	0-45·8	0·50	»
4-5-07.	8-47·4	...	8-57·0	9-39·9	0-52·5	0·50	»
7-5-07.	5-8·6	...	5-10·6	5-22·4	0-13·8	0·50	»
7-5-07.	10-24·5	10-38·3	10-39·8	11-18·4	0-53·9	2·75	»
10-5-07.	6-39·7	6-46·3	6-49·9	7-18·4	0-38·7	0·75	»
13-5-07.	21-22·2	...	...	22-10·4	0-48·2	...	Thickening of line.
15-5-07.	22-24·6	...	22-27·6	22-48·5	0-23·9	1·00	Sensibility 1 mm. =0·38″ of tilt.
25-5-07.	11-57·4	12-6·1	12-18·8	13-7·2	1-9·8	3·00	»
25-5-07.	14-10·8	14-17·9	14-21·4	15-31·7	1-20·9	2·00	»
25-5-07.	16-3·3	16-11·5	16-12·5	16-33·3	0-30·0	1·75	»
31-5-07.	12-33·8	13-6·9	13-15·6	14-6·0	1-32·2	0·75	»

C. W. PEAKE,

Meteorologist, Calcutta.

SIMLA OBSERVATORY.

6. List of earthquakes recorded by the Omori-Ewing Seismograph. The magnification was 15.

Date.	Commencement of 1st P.T. G. M. T.	Commencement of 2nd P.T. G. M. T.	Beginning of W. T. G. M. T.	Time of Maximum amplitude G. M. T.	End Approximately G.M.T.	Duration.	Maximum displacement of style.	REMARKS.
	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	mm.	
7th .	10h7'3	...	10 42·2	10 48·7	11 0·0	32·7	1	Distance.
18th .	...	...	...	2 36·6	...	...	1·6	Local.
24th .	...	...	...	16 28·2	16 28·7	0·5	0·2	do.
30th .	...	...	...	18 1·9	18 5·4	1·5	1·0	do.

J. PATTERSON,

Imperial Meteorologist, Simla.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

7. Solar observations.—Observations were taken on every day except the 2nd, 9th, 10th, 15th, 30th and 31st, groups of sunspots being seen throughout except on the 1st. They were especially numerous between the 4th and 17th, and faculæ were visible on each day of observation.

Day.	Time.	Disturbance.
10 to 11	23 h. to 2 h.	Small fluctuations in H. F.
11	11 h.—16 h.	Small fluctuations in H. F.
12	19½ h.—21 h.	Wave in H. F. (+14).
13 to 14	23½ h. to 1 h.	Wave in H. F. (+20).
14 to 15	23 h. to 1 h.	Wave in H. F. (+21).
15 to 16	22 h. to 0 h.	Wave in H. F. (+51).
18 to 19	22½ h. to 1 h.	Wave in H. F. (+40). In declination (+24).
19	7½ h.—9 h.	Wave in H. F. (—16).
22	14½ h.—18½ h.	Wave in H. F. (—32).
24	3 h. —4 h.	Wave in H. F. (+14).
25	3½ h. —4½ h.	Wave in H. F. (+16).
25	23 h.	Accentuated diurnal variation in H.F.

Weather in the Indian monsoon region.

8. Pressure was well below the average at Mauritius, and practically normal at Zanzibar and the Seychelles. The air movement did not differ materially from the normal type except at the Seychelles where its velocity was very high. Rainfall was in defect in the sub-equatorial region, but exceeded the normal at Mauritius. Conditions in the Indian Ocean as represented by the three stations were thus, on the whole, favourable for monsoon rains :—

	Mauritius.	Zanzibar.	Seychelles.
Departure from normal of mean pressure	—·027	—·009	—·005
Actual mean wind direction .	S 62° E	S 1° E	S 42° E
Normal » » » .	S 65° E	S 5° E	S 43° E
Actual mean wind velocity (miles per diem).	212	184	215
Normal mean wind velocity (miles per diem).	246	194	165
Rainfall departure . . .	+1·08	—2·85	—1·23

Depressions and cyclonic storms.

9. The cold weather disturbance which entered northwest India at the end of April was probably composed of two depressions, one of which disappeared in the Punjab hills on the 1st, while the other travelled across northern India to Assam which it reached on the 4th. The first caused rain locally in the northwest Himalayas, and the second did not affect the weather until it reached northeast India when it caused local rainfall in Eastern Bengal and Assam.

The usual depression which exists in northwest India during the hot weather season did not become permapently established until the middle of the month, and during the last fortnight it intensified several times and caused duststorms and thunderstorms in the northwest.

Only two cyclonic storms affected the Bay of Bengal and these occurred during feeble temporary advances of the monsoon. The first, which was probably of considerable severity, appears to have formed in the Andaman Sea on the 2nd, and crossed the Tenasserim coast near Moulmein on the 4th; during the 4th it gave torrential rain at Moulmein and heavy rain on the rest of the Tenasserim coast. The second began to form in the south of the Bay on the 12th and travelled towards the Arakan coast which it crossed some distance north of Diamond Island on the 15th, and broke up near Toungoo on the 16th. It occasioned general and heavy rain over Lower Burma, especially to the south of its path. In the Arabian Sea weather was settled until the close of the month when a cyclonic storm began to form off the Malabar coast; the details of this storm will be given in the June Review.

Pressure.

10. The excess in the distribution of pressure which had been an important feature of the two preceding months persisted throughout May. The excess was greatest in Sind and west Gujarat where it amounted to ·060″ but pressure decreased eastward, becoming approximately normal in northeast India. Normal pressure conditions also prevailed in Burma, and over the greater part of the Madras Presidency.

The same general feature in the distribution extended up to the level of the hill stations except in upper India. At the elevation of the Kashmir and west Himalayan stations pressure was normal and the vertical pressure gradients were thus slightly steeper than usual, but this feature was much less marked than in the previous month.

The hot weather distribution did not become definitely established until the 15th of the month, and from this date the usual trough of low pressure in northern India was well marked and extended from Bengal to Sind with the customary heat depression shown over northwest India.

The following tables give the departure from normal of mean pressure at 8 hrs. for the 14 meteorological provinces and the departure from normal of associated plains and hill stations.

Division.	Departure from normal of mean 8 hrs. pressure.
	″
Burma	+·001
Eastern Bengal and Assam	+·007
Bengal	+·018
United Provinces	+·028
Punjab	+·043
North-West Frontier Province	+·040
Sind	+·061
Rajputana	+·049
Bombay	+·033
Central India	+·045
Central Provinces	+·039
Hyderabad	+·019
Mysore	+·020
Madras	+·020

Hill station.	Departure from normal pressure.	Plain station.	Departure from normal pressure.	Departure of pressure difference.
	″		″	″
Quetta	+·026	Jacobabad	+·061	+·035
Leh	—·015	Lahore	+·035	+·050
Murree	+·014	Peshawar	+·040	+·026
Simla	+·001	Ludhiana	+·037	+·036
Chakrata	+·004	Roorkee	+·026	+·022
Darjeeling	—·007	Dhubri	—·010	—·003
Mount Abu	+·026	Deesa	+·027	+·001
Pachmarhi	+·029	Khandwa	+·047	+·018

Temperature.

11. Mean temperature was in defect over almost the whole of northern and central India west of Bengal; it was in excess in the districts of Negapatam and Pamban on the southeast coast, and was normal in the rest of the country. The deficiency in mean temperature was greatest in the northern and central parts of the Central Provinces and in the parts of the Punjab represented by Montgomery, Ambala and Sialkot, in all of which areas it ranged from 4° to 6°. The low temperature was a persistent feature throughout the month and it was only on the 17th and 18th, and again from the 24th to the 26th that temperature was in excess in parts of northwest India, while in the central parts of the country there was an excess shown on only one day, the 24th.

Both maximum and minimum temperatures were about equally affected, but in the Central Provinces the minimum was in greater defect than the maximum, and at Seoni was over 9° below normal, while in the Punjab the maximum showed the greater deficiency. Both maximum and minimum were in slight excess at Pamban and Negapatam, the only areas in India where an excess occurred.

Taking the highest temperature recorded during the month as a criterion of the character of the month as regards temperature, May this year was the coolest on record since 1885 in the east Punjab and since 1893 in the greater part of the Central Provinces.

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

Sub-division.	Actual temperature.					Departure from normal of month of		
	Mean maximum.	Mean minimum.	Monthly mean of mean between maximum and minimum.	Mean daily range of temperature.	Absolute range during month.	Maximum.	Minimum.	Daily range.
	°	°	°	°	°	°	°	°
1. Bay Islands	87·4	78·2	82·8	9·2	17·1	—3·0	—1·5	— 1·5
2. Lower Burma	88·8	76·5	82·7	12·2	24·0	—1·9	—0·1	— 1·8
3. Upper do.	95·1	75·3	85·2	19·8	33·5	—0·6	+0·2	— 0·8
4. Assam	87·0	71·5	79·3	15·5	26·4	+0·3	—0·7	+ 1·0
5. Eastern Bengal	91·2	73·8	82·5	17·4	29·8	+0·6	—0·7	+ 1·3
6. Bengal	97·4	76·7	87·1	20·6	35·4	—0·2	— 1·1	+ 0·9
7. Orissa	97·7	78·3	88·0	19·4	31·8	—1·2	—1·7	+ 0·5
8. Chota Nagpur	100·8	75·4	88·3	25·4	38·5	—1·9	—2·2	+ 0·3
9. Bihar	99·8	75·2	87·5	24·6	38·8	—0·3	—1·6	+ 1·3
10. United Provinces East	103·0	75·9	89·5	27·1	41·1	—1·6	—2·8	+ 1·2
11. Do. do. West	101·2	74·9	88·1	26·2	42·2	—3·1	—2·6	— 0·5
12. Punjab East and North	99·6	72·8	86·3	26·8	47·0	4·4	—2·3	— 2·1
13. Do. South-West	103·3	75·2	89·2	28·2	51·2	—3·3	—2·6	— 0·7
14. Kashmir	66·6	42·4	54·5	24·2	44·6	—3·9	—2·5	— 1·4

Sub-division.	Actual temperature.					Departure from normal of month of		
	Mean maximum.	Mean minimum.	Monthly mean of mean between maximum and minimum.	Mean daily range of temperature.	Absolute range during month.	Maximum.	Minimum.	Daily range.
	°	°	°	°	°	°	°	°
15. North-West Frontier Province	98·6	69·7	84·2	29·0	54·3	—2·8	—2·8	0
16. Baluchistan	84·6	59·7	72·1	24·9	54·1	—6·0	—4·9	— 1·1
17. Sind	102·6	75·7	89·2	27·0	47·9	—1·2	—2·8	+ 1·6
18. Rajputana West	104·4	77·2	90·8	27·2	45·3	—2·7	—2·9	+ 0·2
19. Do. East	103·0	77·4	90·2	25·5	42·3	—2·0	—2·4	+ 0·4
20. Gujarat	99·2	75·8	87·5	23·4	35·4	—0·2	—2·2	+ 2·0
21. Central India West	100·1	74·2	87·2	26·0	41·1	—3·3	—2·4	— 0·9
22. Do. East	104·0	76·5	90·2	27·5	43·3	—2·5	—3·1	+ 0·6
23. Berar	107·5	77·4	92·5	30·1	41·5	—0·3	—3·2	+ 2·9
24. Central Provinces West	104·3	74·8	89·6	29·6	43·2	—2·0	—4·9	+ 2·9
25. Do. do. East	103·8	77·0	90·4	26·8	40·2	—2·0	—4·4	+ 2·4
26. Konkan	90·1	79·7	84·9	10·4	15·7	—0·2	—0·6	+ 0·4
27. Bombay Deccan	100·8	70·8	85·8	30·1	38·3	+0·7	—2·3	+ 3·0
28. Hyderabad North	102·6	76·2	89·4	23·0	34·3	...	...	...
29. Hyderabad South	103·8	78·3	91·0	25·4	34·9	—0·6	—1·6	+ 1·0
30. Mysore	92·8	69·0	80·9	23·8	31·3	+1·6	—0·1	+ 1·7
31. Malabar	89·7	78·2	83·9	11·6	17·5	+0·6	—0·1	+ 0·7
32. Madras South-East	97·8	78·1	87·7	19·7	29·7	+0·4	+0·7	— 0·3
33. Madras Deccan	105·6	80·4	93·0	25·2	33·8	+1·1	—0·3	+ 1·4
34. Madras Coast North	97·4	80·3	88·9	17·2	33·5	—0·2	—1·6	+ 1·4

Winds.

12. In the North-West Frontier Province, the Punjab and the adjacent districts of the United Provinces winds had a stronger northerly component than usual in keeping with the excess of pressure which was a noteworthy feature of the earlier part of the month. In the Punjab the winds, while abnormal in direction, were steadier than usual and of their normal strength.

The effects of the high pressure in northwest India in Sind on the strength of the winds were well marked and the air movement was, in consequence, very weak throughout the month and not as steady as usual in direction.

In northeast India the feeble development of the trough of low pressure had a retarding effect on the inflow of southerly winds across the Bengal coast and they were below the average in strength and steadiness.

Over the whole of India except in the Punjab, Rajputana and the Central Provinces where winds were a little above their normal strength they were weaker than usual, in keeping with the general lateness of the development of hot weather conditions.

Division.	Departure from normal of :—	
	Hourly wind velocity.	Wind steadiness.
Burma	—0·5	0
Eastern Bengal and Assam	—1·0	+4
Bengal	—1·1	—9
United Provinces	—0·4	+4
Punjab	+0·2	+9
North-West Frontier Province	—1·1	+12
Sind	—3·5	—11
Rajputana	+0·5	—12
Bombay	—1·2	—7
Central India	—1·4	—11
Central Provinces	+0·4	—3
Hyderabad	—2·5	+1
Mysore	—0·9	0
Madras	—0·2	+4

Humidity and cloud.

13. The absolute amount of moisture in the air was considerably less than usual, though the normal amount is small, in northwest India, the United Provinces, the west of Central India, the Central Provinces, and the western districts of the province of Bengal. During the first fortnight pressure was high in northwest India, and northerly winds generally prevailed; these being descending air currents were very dry and were probably the cause of the greater part of the deficiency. On the other hand low temperature increased the relative amount of moisture in the air and humidity was thus normal in upper India. In the rest of India the hygrometric conditions differed by only small amounts from the normal.

The cloud amount was slightly greater than usual in parts of Burma and of the United Provinces but throughout the rest of India skies were freer from cloud than usual. Over northern and central India west of Bengal skies are normally comparatively free from cloud and this year they were much freer than usual, only about half the normal amount of cloud being reported from many stations. In the coast districts at the head of the Bay, in the area including Gopalpur, Raipur and Nagpur, and in the Madras Deccan and the adjacent districts the cloud proportion was in marked defect as was also the rainfall.

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	·836	—·019	5·9	0
Eastern Bengal and Assam.	82	—1	·812	—·031	4·6	—1·3
Bengal	65	—3	·738	—·072	2·5	—1·3
United Provinces	43	—3	·529	—·057	1·2	—0·3
Punjab	41	—1	·479	—·046	1·0	—0·7
North-West Frontier Province.	45	—1	·510	—·036	1·3	—0·3
Sind	49	—9	·604	—·125	1·1	—0·7
Rajputana	42	0	·531	—·005	0·7	—0·7
Bombay	61	—5	·704	—·072	1·8	—1·2
Central India	35	—6	·436	—·108	1·3	+0·2
Central Provinces	33	—4	·438	—·071	0·8	—1·2
Hyderabad	43	—6	·543	—·057	1·2	—2·1
Mysore	73	—1	·656	—·004	3·6	—1·7
Madras	70	+1	·855	+·016	3·6	—1·1

Rainfall.

14. The three preceding months which were characterized by excessive rainfall over almost the whole country were followed by a month of very deficient rainfall except in Lower Burma. In this area most of the rainfall was received from two storms. The first appeared early in the month and gave heavy rain on the Tenasserim coast; at Moulmein 21·52 inches of rain fell on the 5th and 4 inches on the 6th. During the existence of the second storm from the 12th to the 16th widespread rainfall occurred; but in the greater part of Upper Burma it was only light, while in Lower Burma it was heavy, especially in the immediate vicinity of the storm centre which passed across the country from the neighbourhood of Diamond Island to Toungoo. The total rainfall in Lower Burma was thus in large excess but in Upper Burma it was in defect.

In northeast India, as a result of the late appearance of the trough of low pressure which by its position and depth largely determines the amount of rainfall in this region precipitation was in large defect, especially in Assam Orissa, Chota Nagpur and Bihar. In the rest of northern India and in the central portions of the country the rainfall is generally very light and dependent chiefly on dust-storms and thunderstorms, and as these were much less frequent than usual rainfall was also in large defect except in Kashmir and Rajputana. In Kashmir precipitation was in excess of the average and occurred during periods of disturbed weather, due probably to local actions.

Thunderstorms were not frequent in the Peninsula nor were there any preliminary advances of the southwest monsoon on the Malabar coast until the end of the month. There was thus much less rainfall in the Peninsula than usual; in north Hyderabad no rain fell, while in Malabar where the normal fall is 7″·11 only 2·56″ were received.

Sub-division.	Number of rainy days.		Rainfall.			
	Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
			Inches	Inches.	Inches.	
1. Bay Islands	17·5	16·1	13·29	13·34	—0·05	0
2. Lower Burma	13·7	13·7	17·85	12·48	+5·37	+43
3. Upper do.	7·2	8·2	4·98	5·88	—0·90	—15

Sub-division.	Number of rainy days.		Rainfall.			
	Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
			Inches.	Inches.	Inches.	
4. Assam	11·8	14·8	7·99	13·27	—5·28	—40
5 Eastern Bengal	9·4	10·5	8·30	9·83	—1·53	—16
6. Bengal	5·3	6·7	3·95	4·91	—0·96	—20
7. Orissa	3·5	4·8	2·08	3·49	—1·41	—40
8. Chota Nagpur	1·9	3·8	0·74	2·30	—1·56	—68
9. Bihar	2·1	3·1	1·34	2·20	—0·86	—39
10. United Provinces East	0·9	1·3	0·35	0·67	—0·32	—48
11. Do. do West	1·2	1·4	0·56	0·60	—0·04	— 7
12. Punjab East and North	0·8	1·5	0·27	0·65	—0·38	—58
13. Do. South-West	0·8	0·9	0·32	0·42	—0·10	—24
14. Kashmir	3·6	3·7	2·13	1·72	+0·41	+24
15. North-West Frontier Province	1·6	1·6	0·49	0·74	—0·25	—34
16. Baluchistan	0	0·6	0·02	0·20	—0·18	—90
17. Sind	0	0·3	0·01	0·10	—0·09	—90
18. Rajputana West	0·7	0·7	0·26	0·31	—0·05	—16
19. Do. East	1·3	1·1	0·45	0·44	+0·01	+ 2
20. Gujarat	0	0·4	0·03	0·23	—0·20	—87
21. Central India West	0·3	0·6	0·08	0·30	—0·22	—73
22. Do. do. East	0·9	0·9	0·23	0·37	—0·14	—38
23. Berar	0	0·9	0·02	0·42	—0·40	—95
24. Central Provinces West	0·6	0·9	0·21	0·39	—0·18	—46
25. Do. do. East	0·4	1·4	0·12	0·72	—0·60	—83
26 Konkan	0·2	1·8	0·12	1·47	—1·35	—92
27. Bombay Deccan	0·3	2·4	0·15	1·33	—1·18	—89
28. Hyderabad North	0	1·5	0	0·68	—0·68	—100
29. Do. South	0·3	1·9	0·13	0·99	—0·86	—87
30. Mysore	2·9	5·7	1·92	3·73	—1·81	—49
31. Malabar	4·2	8·2	2·56	7·11	—4·55	—64
32. Madras South-East	3·2	3·8	1·88	2·78	—0·90	—32
33. Do. Deccan	0·3	3·0	0·10	1·72	—1·62	—94
34. Do. Coast North	1·7	3·2	0·86	2·20	—1·34	—61

Division.	Rainfall.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	Inches.	Inches.	Inches.	
Burma	10·83	8·88	+1·95	+22
Eastern Bengal and Assam	8·14	11·58	−3·44	−30
Bengal	2·37	3·44	−1·07	−31
United Provinces	0·45	0·64	−0·19	−30
Punjab	0·28	0·60	−0·32	−53
North-West Frontier Province	0·49	0·74	−0·25	−34
Sind	0·01	0·10	−0·09	−90
Rajputana	0·40	0·41	−0·01	−2

Division.	Rainfall.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	Inches.	Inches.	Inches.	
Bombay	0·10	1·00	−0·90	−90
Central India	0·13	0·32	−0·19	−59
Central Provinces	0·11	0·48	−0·37	−77
Hyderabad	0·07	0·85	−0·78	−92
Mysore	1·92	3·73	−1·81	−49
Madras	1·40	2·86	−1·46	−51
Mean of India when the size of the above areas is taken into account.	2·33	2·85	−0·52	−18

Snowfall.

I.—AFGHANISTAN.

15. No information is available but the prevalence of abnormally low temperature in upper India during the first two weeks of the month is very strongly suggestive of the occurrence of snow in the Afghan region.

II.—NORTH-WEST FRONTIER PROVINCE.

There were apparently some light falls of snow on the higher peaks of the Sufed Koh.

III.—KASHMIR.

There were a few falls but they were confined to the higher ranges. Temperature was low.

IV.—PUNJAB.

Pangi (Chamba Division).—Snow-storms occurred on the higher hills on six days during the month: the total fall was estimated at about 2 feet on the Sach pass (elevation 14,400 feet).

By the end of the month snow had melted away from the sunny sides of Killar (elevation 8,400 feet) but on the Sach pass the accumulations were reported as 13 feet in depth.

(*a*) *Kangra.*—Snow-storms were of frequent occurrence but were more localized than usual. In the Chandra valley snow lay right down to the stream on both banks at the end of the month. The Kukti pass between Bara Bagha-land Lahoul was impassable. In Spiti according to reports snow is "exceptionally late in melting." The snow line in Kulu was much lower than usual.

(*b*) *Kilba.*—Snow fell on eight days down to very low levels. Weather was unusually cold, damp and cloudy.

Pass.	Depth of accumulation at the end of the month.	
	Reported.	Normal based on previous reports.
Rupin Pass	3 feet.	8½ feet.
Brua "	3 "	9 "
Harang "	½ foot.	2½ "
Shatul "	2 feet.	5½ "
Buldar "	3 "	11 "
Runang "	2 "	4½ "

All the passes were open to travellers. The accumulations on the ranges to the north of Simla even as late as the 24th May were greater than on the 30th April 1906, although the snow did not descend so far down the lower slopes.

V.—UNITED PROVINCES.

(*a*) *Garhwal.*—Snow fell on the high peaks in the north, but the falls were not heavy.

(*b*) *Almora.*—There were occasional light falls down to the inhabited region chiefly luring the last thirteen days. The total fall was estimated at 6 feet in Untadhura, 3½ feet

in Chandas and Byans, 2 feet in Ralamdhura and about a foot in Malla Danpur.

Pass or Peak.	Depth of accumulation at the end of the month.	
	Reported.	Normal based on previous reports.
Binkaru Pass	12 feet.	22 feet.
Lipulekh „	4 „	8½ „
Lampia „	10 „	10½ „

According to a report from the Deputy Commissioner the accumulations on the higher ranges were much greater than usual and most of the passes remained closed. The snow line about the middle of the month was at a much lower elevation than on the corresponding date last year: large drifts of snow were lying unmelted down to 8,000 feet in the Kali Valley. Temperature was much lower than usual during the month.

16. *Summary.*—(*a*) The total fall of the month in the western Himalayas and the mountains of Afghanistan was apparently not above the average.

(*b*) The region covered by snow was larger than usual in the Punjab and Kumaon Himalayas and of about the usual extent in Kashmir.

(*c*) The depth of snow was unusually great in some parts of the western Himalayas.

Crop report.

17. *Burma:*—Ploughing for wet weather paddy was in progress in several Lower Burma districts and the sowing of hill-side paddy was completed in the Arakan Hill Tracts. The standing crops in Upper Burma were in good condition.

Eastern Bengal and Assam:—Rain had much improved the standing crops and the prospects of tea were generally good except in Cachar. Sowing of rice was in progress and sugar-cane was being planted.

Bengal:—Lands were being prepared for next season's crops and sowing of paddy and jute was in progress. The state of the standing crops was generally good and prospects were satisfactory.

United Provinces:—Threshing and winnowing were almost completed and the ploughing of fields for autumn crops was in progress. The extra crops in Budaun and the mango crop were damaged by untimely rain.

Punjab:—Spring crops were being harvested with average to poor out-turn and cotton, sugar-cane, indigo and other autumn crops were being sown. The condition and prospects of the extra spring crops were good.

North-West Frontier Province:—The spring harvest was being collected with average to good out-turn except on irrigated lands in Bannu where it was below average. Sowing of extra spring crops was being carried on.

Jammu and Kashmir:—The condition of the standing crops was fair to good. Harvesting and threshing of spring crops were in progress.

Rajputana:—Harvesting was nearly finished, and lands were being prepared for autumn sowings.

Central India:—The standing crops and probable out-turn were fair to good, but crops had been damaged by hail and rust in Baghelkhand.

Central Provinces:—Lands were being prepared for sowings of autumn crops. Fodder was very dear in parts especially in the Yeotmal and Darwha táluqás.

Bombay:—Preparation of lands and sowings for autumn crops were in progress. Fodder and water were sufficient except in parts of the division.

Hyderabad:—Lands were being prepared for monsoon sowings.

Mysore:—The standing crops and the prospects of the season were good, but more rain was needed in Hassan and Chitaldroog.

Coorg:—Ploughing for rice was in progress. Water and fodder were sufficient.

Madras:—The standing crops were generally good, but some required more rain in parts of Vizagapatam and Madura. Fodder was procurable and the condition of cattle was generally good.

J. PATTERSON.

TABLE A.—Abstract of observations taken at 10 hrs. and 16 hrs. at 36 stations, in India, etc., in May, 1907.

Table

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

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure.						Temperature of air.										Temperature, Wet-bulb.			
			Mean of 10 hrs.	Mean of 16 hrs.	Mean daily range.	Mean of daily mean pressures.	Departure from normal.	Mean reduced to S. L. and gravity, 45° Lat.	Mean maximum.	Mean minimum.	Mean daily range.	Highest maximum.	Lowest minimum.	Absolute range.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of three previous columns.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	I.—Burma.																					
2	Rangoon	26	29·812	29·703	·109	29·762	+·002	29·734	88·9	76·8	12·1	98·1	74·6	23·5	84·4	84·4	80·5	−1·7	74·5	78·6	77·3	76·8
	III.—Bengal.																					
6	Calcutta	21	·726	·601	·125	·666	+·005	·632	95·8	76·7	19·1	102·1	68·1	34·0	88·9	93·0	86·0	+0·3	72·3	79·4	78·8	76·8
	IV.—United Provinces of Agra and Oudh.																					
10	Allahabad	309	·389	·267	·122	·325	+·011	·576	106·1	77·0	29·1	111·3	68·3	43·0	97·5	104·0	90·7	−1·8	65·5	71·0	71·5	69·3
11	Dehra Dun	2,233	27·517	27·429	·088	27·467	+·006	·606	93·9	67·4	26·5	99·3	59·3	40·0	86·1	89·2	79·5	−2·1	58·3	65·7	66·0	63·3
	V.—Punjab.																					
12	Lahore	702	28·988	28·896	·092	28·936	+·031	·585	102·3	72·7	29·6	113·3	60·4	52·9	92·7	100·6	87·2	−1·7	62·9	69·7	71·7	68·1
	VIII.—Rajputana.																					
19	Jaipur	1,431	·342	·236	·106	·284	+·040	·628	103·5	75·4	28·1	108·5	63·3	45·2	91·0	100·3	88·7	−2·9	61·2	68·2	68·1	65·8
	Udaipur	1,925	27·899	27·794	·105	27·846		·960	99·9	75·1	24·8	105·9	65·8	40·1	92·3	98·7	87·1		64·4	69·8	72·0	68·7
	IX.—Bombay.																					
26	Bombay	37	29·859	29·756	·103	29·807	+·033	·783	91·2	79·9	11·3	93·2	76·9	16·3	86·3	87·7	84·5	−0·1	75·3	77·5	78·1	77·0
	XI.—Central Provinces.																					
24	Buldana	2,132	27·729	27·607	·122	27·665	+·027	29·666	101·1	77·2	23·9	105·0	73·6	31·4	90·5	99·3	87·7	−0·2	66·0	68·2	66·0	64·1
	Nagpur	1,017	28·746	28·601	·145	28·676	+·030	·610	108·0	79·0	29·0	110·8	67·6	43·2	98·7	105·2	92·5	−2·0	61·3	69·7	70·4	67·1
	XII.—Hyderabad.																					
29	Hyderabad	1,690	·138	·014	·124	·077	+·026	·652	102·4	78·4	24·0	105·5	70·2	35·3	93·3	100·8	89·3	−0·8	63·7	69·3	70·2	67·7
	XIII.—Mysore.																					
30	Bangalore	3,021	26·917	26·799	·118	26·865	+·022	·720	92·2	67·8	24·4	96·6	64·7	31·9	82·3	88·9	78·3	−0·2	64·1	70·9	68·6	67·9
	Mysore	2,518	27·412	27·283	·129	27·355	+·014	·747	92·7	69·3	23·4	97·6	66·0	31·6	82·6	88·8	79·4	+0·2	66·0	71·6	71·5	69·7
	XIV.—Madras.																					
32	Periyakulam	944	28·916	28·782	·134	28·849		·714	96·5	73·0	23·5	99·2	66·8	32·4	86·8	91·6	84·8		69·2	74·4	74·9	72·8
	Pudukkottai	318	29·531	29·396	·135	29·464		·706	100·9	77·7	23·2	104·8	70·3	34·5	90·8	98·4	89·3		72·9	77·3	77·6	75·9
	Madras	22	·786	·674	·112	·738	+·005	·691	102·1	80·8	21·3	109·0	76·3	32·7	95·8	91·5	90·4	+1·7	75·2	78·8	80·4	78·2
	Station in the Bay.																					
1	Port Blair	61	·811	·722	·089	·767	+·005	·758	85·7	76·7	9·0	89·1	73·8	15·3	83·0	83·0	80·1	−2·5	73·9	78·2	78·0	76·7
	Kashmir.																					
14	Srinagar	5,204	24·859	24·799	·060	24·831	+·017	24·802	73·1	49·2	23·9	85·2	41·6	43·6	63·4	69·7	60·6	−3·3	46·8	59·2	65·1	57·0
	Leh	11,503	19·700	19·622	·078	19·668	−·026	19·636	61·5	35·1	26·4	71·4	27·9	43·5	53·0	57·1	47·7	−2·1	30·7	38·1	39·4	36·0
	Baluchistan.																					
16	Quetta	5,502	24·621	24·552	·069	24·578	+·024	24·538	80·1	49·0	31·1	90·5	36·9	53·6	73·8	77·9	64·7	−3·3	43·3	53·7	55·2	50·7

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

NOTE.—The barometric readings are not reduced to sea-level, in the cases of hill or plateau stations, the elevations of which exceed 3,500 feet.

A.

36 stations, in India, etc., for May, 1907.

Vapour Tension in inches of mercury.					Humidity.					Cloud.				Wind Direction.										Wind Steadiness.		Wind Velocity.		Rainfall.		Station.	Number of subdivision.
														Total number of 10 hrs. and 16 hrs. winds from																	
From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean 10 hrs.	Mean 16 hrs.	Mean of two previous columns.	Departure from normal.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Mean wind direction.	Normal mean wind direction of month.	Average percentage.	Normal percentage.	Mean velocity in miles per diem.	Normal.	Total rainfall for the month.	Heaviest rainfall during the month.		
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
																									%	%					I.—Burma.	
·827	·905	·846	·873	—·017	89	77	73	84	+ 1	7·6	8·0	7·8	+0·7	2		6	6	2	22	8	13	3	S 22° W	S 21° W	39	59	54*	110	17·90	3·40	Rangoon.	2
																															III.—Bengal.	
·738	·880	·801	·815	—·068	80	65	54	69	— 6	3·2	4·2	3·7	—0·6		2	2	3	10	11	28		6	S 23° W	S 9° W	53	67	143	168	5·48	1·73	Calcutta	6
																															IV.—United Provinces of Agra and Oudh.	
·489	·409	·339	·425	—·096	51	23	16	32	— 7	0·9	2·4	1·7	+0·1	3	7	7	8	1	2	3	17	14	N 42° W	N 6° W	37	24	132*	163	0·06	0·06	Allahabad.	10
·398	·383	·359	·378	—·085	56	31	27	40	— 1	1·7	3·0	2·4	—0·3	2	3	6	9	13	14	3	3	7	S 43° E	S 79° W	29	24	56‡	53	1·08	0·49	Dehra Dun.§	11
																															V.—Punjab.	
·451	·422	·396	·434	—·020	56	27	20	36	0	1·5	1·6	1·6	—0·6	3	5	7	7	9	1		10	20	N 19° W	N 12° E	29	18	85*	77	0·07	0·04	Lahore.	12
																															VIII.—Rajputana.	
·379	·380	·288	·356	—·092	41	24	12	28	— 7	0·5	2·3	1·4	—0·9		3	5	2	1	2	8	22	19	N 72° W	N 72° W	60	48	181	151	0·72	0·47	Jaipur.	19
·496	·468	·466	·476		56	31	25	37		0·1	0·7	0·4		3	4	4	1	2	2	20	21	5	S 78° W		55		176*		1·20	1·20	Udaipur.	
																															IX.—Bombay.	
·812	·829	·839	·840	—·049	80	66	63	73	— 3	1·3	0·7	1·0	—1·6					2		7	35	18	N 83° W	N 83° W	82	71	211	242	0	0	Bombay.	26
																															XI.—Central Provinces.	
·309	·354‡	·231‡	·290	—·113	33	25‡	12‡	23	— 9	0	0·8	0·4	—0·9	1	5		1	1			26	26	N 61° W	N 51° W	81	68	305*	293	0	0	Buldana.	24
·327	·370	·316	·325	—·106	32	20	14	22	— 6	0·3	3·1	1·7	—2·1		11	8		7	1	13	12	10	N 64° W	N 48° W	32	41	146*	192	0·11	0·08	Nagpur.	
																															XII.—Hyderabad.	
·412	·417	·356	·401	—·165	43	27	18	30	—12	1·9	2·8	2·4	—0·8	21	2	2		1		1	6	29	N 48° W	N 64° W.	55	43	90*	154	0	0	Hyderabad	29
																															XIII.—Mysore.	
·552	·626	·463	·563	—·042	82	57	35	60	— 3	1·5	4·3	2·9			2	3	2	1	3	10	30	11	N 88° W	S 81° W	64	66	178*	151	1·92	0·64	Bangalore.	30
·601	·637	·561	·614	—·012	84	58	43	64	— 1	5·0	6·5	5·8	—0·3		2	2	3	2	2	15	29	7	S 82° W	S 84° W	63	60	220*	245	2·79	0·87	Mysore.	
																															XIV—Madras.	
·663	·688	·642	·665		82	54	44	61		3·1	7·2	5·2		7	7	13	4	2	8	9	5	7	N 15° W		10		74*		5·01	1·74	Periyakulam.	22
·751	·757	·716	·741		79	53	37	56		4·2	5·9	5·1		2	4	1		3	3	22	12	15	S 81° W		58		237*		3·61	1·57	Pudukkottai.	
·801	·757	·690	·832	—·064	77	46	60	63	— 7	2·5	3·5	3·0	—0·7				7	27	5	10	11	2	S 13° E	S 8° E	49	66	179	218	0	0	Madras.	
																															Stations in the Bay.	
·80	·907	·893	·880	—·071	87	80	79	84	— 1	7·9	8·2	8·1	+1·1	4	1		2	4	5	21	21	4	S 61° W	S 39° W	63	43	235*	178	24·27	2·87	Port Blair.	1
																															Kashmir	
·296	·464	·586	·421	—·021	83	78	78	80†	+ 2	2·7	6·9	4·8	+0·8	19	5	10	1	8	3	2	5	9	N 6° E	N 30° E	13	6	114*	103	1·58	0·44	Srinagar.	14
·187	·107	·094	·111	—·019	66	26	20	37	— 3	5·2	7·1	6·2	—0·3		6	5	4		13	17	14	1	S 55° W	S 72° W	42	31	63	77	0·08	0·07	Leh.	
																															Baluchistan	
·231	·211	·206	·210	—·064	65	25	22	37	— 4	0·7	1·7	1·2	—0·8	21	7	3		1	1		10	18	N 47° W	N 69° W	45	45	58*	79	0	0	Quetta.	12

* Corrected. † an of Methree previous columns. ‡ Mean of 30 ddays. § Wind observation altes.

Table

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

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure.						Temperature of air.										Temperature, Wet-bulb.			
			Mean of 10 hrs.	Mean of 16 hrs.	Mean daily range.	Mean of daily mean pressures.	Departure from normal.	Mean reduced to S.L. and gravity, 45° Lat.	Mean maximum.	Mean minimum.	Mean daily range.	Highest maximum.	Lowest minimum.	Absolute range.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of three previous columns.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	Hill Stations excluding Kashmir and Baluchistan.																					
	Simla	7,224	23·089	23·048	·041	23·060	−·002	23·024	69·8	55·8	14·0	79·4	48·0	31·4	64·7	66·7	63·0	−3·0	46·0	51·4	52·7	50·0
	Saraint		·158	·114	·044	·127			68·6	45·7	22·9	75·0	41·9	33·1	63·7	64·6	57·3			48·6	50·0	
	Kalabagh									Register not received.												
	Chakrata	7,022	·266	·230	·046	·233	+·003	·188	71·2	54·9	16·3	78·1	48·7	29·4	67·9	65·8	63·1	−2·5	47·6	55·6	54·3	52·5
	Muktesar	7,556	22·865	22·806	·059	22·827		22·784	71·0	53·9	17·1	78·5	47·7	30·8	64·3	67·4	62·6		45·4	51·7	53·4	50·2
	Katmandu	4,388	25·610	25·509	·101	25·556	+·063‡	25·510	83·1	59·0	24·1	89·6	52·2	37·4	76·6	77·1	71·2	+0·4‡	56·2	64·6	63·7	61·5
	Darjeeling	7,376	22·957§	22·924§	·033	22·937	−·025	22·891§	++ 64·0	52·0	12·0	68·2	44·9	23·3	59·9§	61·7§	++ 58·2	−0·1	50·7§	58·0§	59·8§	56·2
	Pachmarhi	3,528	26·408‖	26·310	·098	26·356	+·022	26·301‖	93·9	71·4	22·5	96·7	60·9	35·8	86·9‖	91·9	82·8	−2·4	56·1‖	63·2‖	63·2	60·8
	Mount Abu	3,945	·020	25·949	·071	25·981	+·023	25·932	85·7	69·3	16·4	90·2	61·4	28·8	79·6	84·1	77·6	−2·2	57·5	62·6	65·6	61·9
	Chikalda	3,642	·304	26·204	·100	26·251	+·021	26·196	93·7	71·6	22·1	96·7	68·5	28·2	85·0	92·3	82·8	−0·9	57·7	62·5	63·6	61·3
	Ootacamund	*7,399*	23·067	22·998	·069	23·033		22·969	69·8	52·7	17·1	72·7	50·1	22·6	67·2	64·4	61·4		48·7	56·5	56·4	53·9
	Kodaikanal	7,688	22·858	·786	·072	22·822		·758	70·2	54·4	15·8	74·3	50·2	24·1	66·3	62·2	62·3		49·3	55·5	56·2	53·7
	Dodabetta	8,539†	·083	·013	·070	·048		21·985	63·7	51·6	12·1	66·2	46·5	19·7	61·8	59·2	57·6		49·2‖	53·8	54·5	52·1
	Extra India.																					
	Minicoy	7	29·935	29·870	·065	29·908		29·841	90·2			92·5			87·1	87·5				79·4	79·7	
	Zanzibar	72	30·012	·912	·100	·967	−·009	·966	83·0	75·5	7·5	87·0	72·0	15·0	78·9	82·2	78·1	+0·3	72·0	75·0	74·9	74·0
	Diego Garcia									Observations not received.												
	Seychelles	15	29·977	·892	·085	·936	−·005‡	·874	83·9	78·7	5·2	86·3	75·9	10·4	82·4	82·8	79·9	+0·4‡	72·9	76·8	76·7	75·5
	Mauritius	181				·874	−·027	30·003				81·7	54·5	27·2			71·5	−0·6				67·2

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

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

† Observations of 21 days. ‡ Departure from old normals. § Mean of 22 days. ‖ Mean of 27 days. †† Mean of 30 days.

A—*concluded.*

36 stations, in India, etc., for May, 1907—concluded.

Vapour Tension in inches of mercury.					Humidity.					Cloud.				Wind Direction.										Wind Steadiness.		Wind Velocity.		Rainfall.		Station.	Number of subdivision
														Total number of 10 hrs. and 16 hrs. winds from																	
From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean 10 hrs.	Mean 16 hrs.	Mean of two previous columns.	Departure from normal.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Mean wind direction.	Normal mean direction of month.	Average percentage.	Normal percentage.	Mean velocity in miles per diem.	Normal.	Total rainfall for the month.	Heaviest rainfall during the month.		
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
																															Hill Stations excluding Kashmir and Baluchistan.	
·213	·244	·257	·232	—·037	48	40	40	43	− 3	2·1	4·6	3·4	—0·5	2	19	3			26		2	10	N 72° W	N 18° W	11	25	135°	144	1·15	0·44	Simla	
	·191	·214				31	34			2·3	5·2	3·8		11	6	6	2		8	6	2	1	S 31° W		2		78°		1·08	0·76	Sarala.	
														Register not received.																	Kalabagh.	
·257	·318	·309	·289	+·021	60	47	50	52	+ 4	2·4	4·2	3·3	—0·3	14	1	2	1	15	26	2	1		S 16° E	S 67° W	60	33	151°	187	1·51	0·42	Chakrata.	
·220	·259	·270	·244		54	44	41	46		3·1	3·9	3·5		14	1	2	2			3	39	1	N 88° W		61		180°		2·02	0·51	Muktesar.	
·426	·476	·440	·441	—·049	84	53	49	62	− 6	3·5	4·9	4·2	—1·0			2	24				36		N 83° W	S 89° W	18	39	27	43	2·63	0·46	Katmandu.	
·355§	·468§	·498§	·434	+·031	90§	90§	90§	90	+ 3	7·7§	8·3§	8·0§	+0·6	4		2		1		20	12	5	S 70° W	S 78° W	54	36	(a) 118°	163	8·09	2·26	Darjeeling.	
·285‖	·315‖	·254	·277	—·086	37‖	25‖	17	26	− 7	0·4	1·3	0·9	−2·1		1	3	1	4	1	15	11	22	N 83° W	N 66° W	52	58	206°	180	0	0	Pachmarhi.¶	
·343	·376	·421	·372	+·027	48	38	36	41	+ 5	0·3	0·2	0·3	—0·9		2	4			3	36	10	7	S 64° W	S 66° W	68	70	265°	259	0·21	0·21	Mount Abu.	
·324	·306	·256	·287	—·079	42	26	17	28	− 6	1·2	2·7	2·0	−1·0	5	19	6		1	2	1		28	N 21° W	N 33° W	69	67	176°	242	0·04	0·04	Chikalda.	
·303	·349	·373	·339		76	52	62	63		4·3	7·0	5·7		1	6	18	17	7	3	1	3	6	N 61° E		48		103°		3·39	0·54	Ootacamund.	
·303	·334	·390	·342		71	51	70	64		2·9	6·5	4·7		1	16	12	8	8	4	1	1	11	N 31° E		40		280		5·37	1·00	Kodaikanal.	
·313‖	·333	·358	·335		83‖	60	72	71		4·4	7·2	5·8			22	21	12	1				6	N 30° E		75		401°		3·11	0·78	Dodabetta.	
																															Extra India.	
	·904	·910				70	70			4·8	5·3	5·1			9			1	4	4	14	30	N 59° W		71		188°		3·03	1·33	Minicoy.	
·744	·817	·766	·811	—·019	84	83	70	82	− 2	5·8	5·2	5·5	−0·6		1		1	13	33	14			S 1° E	S 5° E	82	85	194°	194	7·33	2·35	Zanzibar.	
														Observations not received.																	Diego Garcia.	
·740	·854	·846	·826	—·020	75	76	75	77	− 3	5·1	5·1	5·1	0‡		1	1	5	39	11			5	S 42° E	S 43° E	72	59	215	165	4·98	1·56	Seychelles.	
			·598	—·027				77	− 2			5·8	+0·4										S 62° E	S 65° E			212	246	4·75	1·15	Mauritius.	

* Corrected.

(a) Mean of 21½ days.

¶ Wind observations less 4.

G. I. C. P. O. No. 266 D. G O.—8-5-08.—385—B.N. D.

Table B.—Abstract of observations taken at 8 hrs. at 236 stations, in India, etc., in May, 1907.

(1) Provincial means.

(2) Data of stations.

(1) Provincial means based on the material in Table B (2) except that the statement of rainfall depends on the complete data of about 2,500 stations.

	Pressure	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	91·9	—1·3	75·9	0	83·9	—0·6	16·0	28·7	—0·5	0	80	0	·836	—·019	5·9	0	10·83	8·88	+1·95
Eastern Bengal and Assam	+·007	90·0	+0·5	73·1	—0·7	81·6	—0·1	16·9	28·9	—1·0	+ 4	82	— 1	·812	—·031	4·6	—1·3	8·14	11·58	—3·44
Bengal	+·018	98·9	—0·8	76·2	—1·6	87·6	—1·2	22·7	36·5	—1·1	— 9	65	— 3	·738	—·072	2·5	—1·3	2·37	3·44	—1·07
United Provinces of Agra and Oudh.	+·028	102·0	—2·4	75·4	—2·7	88·7	—2·6	26·6	41·7	—0·4	+ 4	43	— 3	·529	—·057	1·2	—0·3	0·45	0·64	—0·19
Punjab	+·043	100·6	—4·0	73·5	—2·4	87·1	—3·2	27·2	48·2	+0·2	+ 9	41	— 1	·479	—·046	1·0	—0·7	0·28	0·60	—0·32
North-West Frontier Province	+·040	98·6	—2·8	69·7	—2·8	84·2	—2·8	29·0	54·3	—1·1	+12	45	— 1	·510	—·036	1·3	—0·3	0·49	0·74	—0·25
Sind	+·061	102·6	—1·2	75·7	—2·8	89·2	—2·0	27·0	47·9	—3·5	—11	49	— 9	·604	—·125	1·1	—0·7	0·01	0·10	—0·09
Rajputana	+·049	103·5	—2·3	77·4	—2·6	90·5	—2·5	26·2	43·4	+0·5	—12	42	0	·531	—·005	0·7	—0·7	0·40	0·41	—0·01
Bombay	+·033	97·4	+0·1	75·3	—1·8	86·4	—0·9	22·1	31·3	—1·2	— 7	61	— 5	·704	—·072	1·8	—1·2	0·10	1·00	—0·90
Central India	+·045	102·0	—2·9	75·3	—2·7	88·7	—2·8	26·7	42·2	—1·4	—11	35	— 6	·436	—·108	1·3	+0·2	0·13	0·32	—0·19
Central Provinces	+·039	104·8	—1·7	75·9	—4·4	90·3	—3·1	28·9	42·1	+0·4	— 3	33	— 4	·438	—·071	0·8	—1·2	0·11	0·48	—0·37
Hyderabad	+·019	103·2	—0·6	77·4	—1·6	90·3	—1·1	25·8	34·6	—2·5	+ 1	43	— 6	·543	—·057	1·2	—2·1	0·07	0·85	—0·78
Mysore	+·020	92·8	+1·6	69·0	—0·1	80·9	+0·8	23·8	31·3	—0·9	0	73	— 1	·656	—·004	3·6	—1·7	1·92	3·73	—1·81
Madras	+·020	97·4	+0·4	78·8	—0·1	88·0	+0·2	18·5	29·0	—0·2	+ 4	70	+ 1	·855	+·016	3·6	—1·1	1·40	2·86	—1·46

Table

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

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of Air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	I.—Burma.																						
2	Mergui	119	29·772	+·009	29·824	29·839	13th	29·677	3rd	·162	79·8	86·9	−2·2	75·1	+1·3	81·0	−0·5	11·8	93·9	2nd	72·4	5th & 18th	21·5
	Tavoy	19	29·890	+·017	29·841	29·957	13th	29·770	3rd	·187	77·5	86·2	−2·2	75·0	−0·2	80·6	−1·2	11·2	95·0	1st & 2nd	72·8	1st	22·2
	Moulmein	94	29·765	+·002	29·797	29·886	14th	29·485	4th	·401	78·3	86·1	−3·2	75·4	−0·4	80·8	−1·8	10·7	98·4	3rd	72·3	5th	26·1
	Rangoon	36	29·804	−·006	29·776	29·918	13th	29·664	4th	·254	80·7	89·3	−2·6	77·1	−0·2	83·2	−1·4	12·2	100·6	1st	74·4	14th	26·2
	Bassein	27†	29·815*	+·014*	29·779*	29·895	13th	29·697	4th	·198	81·4	90·3	−1·2	76·5	−0·5	83·4	−0·9	13·8	99·2	2nd	72·9	20th & 31st.	26·3
	Diamond Island	41	29·791	−·007	29·767	29·864	18th	29·693	4th	·171	83·8	88·3	−0·3	79·4	+0·6	83·9	+0·2	8·9	90·4	6th & 21st	73·7	31st	16·7
	Toungoo	183	29·647†	+·005†	29·772†	29·780	13th	29·507	16th	·273	81·4	92·8	−2·9	76·5	−0·2	84·8	−1·6	16·3	101·4	1st & 5th	71·6	17th	29·8
	Akyab	20	29·776	−·017	29·739	29·877	13th	29·685	25th	·192	81·8	90·2	−0·4	77·3	−0·9	83·8	−0·7	12·9	94·9	16th	71·7	31st	23·2
3	Thayetmyo	121	29·697†	+·012†	29·760*	29·829	13th	29·575	24th	·254	84·2	96·7	−1·7	78·0	+0·3	87·4	−0·7	18·7	105·5	5th	73·9	15th & 16th.	31·6
	Minbu	*165*	29·613†	−·010†	29·721†	29·745	13th	29·512	4th	·233	83·0	97·4	−0·1	78·7	+1·0	88·1	+0·5	18·7	105·2	6th	75·1	15th, 16th & 31st.	30·1
	Yamethin	657	29·142†	−·003†	29·749†	29·272	13th	29·035	24th	·237	81·3	94·9	−0·4	76·7	+0·5	85·8	+0·1	18·2	101·3	10th	72·2	13th & 17th.	29·1
	Mandalay	250	29·545	+·001	29·742	29·699	14th	29·425	31st	·274	84·8	99·3	+0·8	80·0	+1·0	89·9	+0·9	19·8	107·6	5th & 16th	75·3	4 days.	32·3
	Monywa	*280*	29·530		29·749	29·664	13th	29·396	31st	·268	82·9	98·6		78·2		88·5		20·3	107·8	10th	71·6	1st	36·2
	Lashio	*2,751*	27·032	−·021	26·978	29·148	13th	26·910	31st	·238	72·7	86·9	−1·4	66·7	−0·1	76·8	−0·8	20·2	94·5	10th & 11th.	62·0	4 days.	32·5
	Bhamo	*351*	29·419†	+·011†	29·758†	29·582	12th	29·259	31st	·323	76·3	93·2	−0·5	71·0	−1·7	82·1	−1·1	22·2	100·9	11th & 12th.	65·6	9th	35·3
	Myitkyina	458	29·314‡		29·733‡	29·510	12th	29·161	31st	·349	78·0	93·0		72·6		82·8		20·4	109·7	18th	69·1	2nd	40·6
	II.—Eastern Bengal and Assam.																						
4	Dibrugarh	353	29·440		29·757	29·610	13th	29·277	29th	·333	74·1	84·4		70·3		77·4		14·1	91·9	28th	63·0	15th	28·9
	Sibsagar	333	29·482*	+·011*	29·776*	29·630	13th	29·325	29th	·305	74·2	84·5	−1·4	71·1	−0·6	77·8	−1·0	13·4	92·6	20th	66·2	14th	26·4
	Tezpur	252	29·538		29·750	29·681	13th	29·388	29th	·293	75·9	87·3		72·0		79·7		15·3	92·6	18th	67·9	1st & 15th	24·7
	Gauhati	195	29·593		29·746	29·719	13th	29·449	31st	·270	76·2	88·8		71·3		80·1		17·5	92·5	8th, 9th & 17th.	68·0	14th & 15th.	24·5
	Dhubri	115	29·646	−·010	29·718	29·776	13th	29·487	31st	·289	76·4	86·6	+0·7	72·1	−1·1	79·4	−0·2	14·5	93·2	9th	68·2	14th	25·0
	Silchar	104	29·698	0	29·756	29·822	14th	29·569	31st	·253	77·8	90·3	+1·6	72·2	−0·3	81·3	+0·7	18·1	97·1	13th	68·3	14th	28·8
5	Chittagong	87	29·703‡	0	29·738‡	29·809	13th	29·576	31st	·233	80·9	88·8	+0·2	74·6	−0·8	81·7	−0·3	14·2	92·7	14th	69·4	1st	23·3
	Noakhali	43	29·728		29·718	29·845	13th	29·565	31st	·280	81·2	87·9		75·8		81·9		12·1	89·8	7 days.	69·9	24th	19·9
	Barisal	12	29·756†	+·012†	29·714†	29·855	12th	29·574	31st	·291	83·5	92·3	+0·4	76·5	−0·9	84·4	−0·3	15·8	95·8	9th	70·1	24th	25·7
	Comilla	36	29·743		29·727	29·861	13th	29·592	31st	·269	80·8	91·4		74·8		83·1		16·6	95·8	6th	69·3	30th & 31st.	26·5
	Narayanganj	26	29·738	+·007	29·713	29·860	13th	29·570	31st	·290	81·0	91·5	+0·2	75·3	−0·5	83·4	−0·2	16·2	96·0	7th	70·8	30th	25·2
	Faridpur	46	29·716		29·712	29·835	13th	29·550	31st	·285	80·8	91·8		73·8		82·8		18·0	97·8	8th	68·4	16th	29·4
	Sirajganj	49	29·720		29·719	29·841	13th	29·545	31st	·296	79·1	92·3		73·5		83·0		18·8	102·3	9th	66·3	23rd	36·0
	Mymensingh	69	29·716	+·007	29·729	29·835	13th	29·561	31st	·274	79·7	89·9	+1·3	74·3	+0·5	82·1	+0·9	15·6	95·7	7th	68·0	30th	27·7
	Bogra	75	29·683	+·023	29·711	29·812	13th	29·519	31st	·293	79·7	92·8	+0·3	73·1	−1·4	83·0	−0·6	19·7	104·3	9th	65·7	23rd	38·6
	Rampur Boalia	70	29·675		29·695	29·790	13th	29·490	30th	·300	81·0	94·2		72·8		83·5		21·4	102·5	9th & 10th	64·1	1st	38·4
	Malda	72	29·655		29·679	29·765	13th	29·480	31st	·285	80·6	94·6		72·0		83·3		22·6	104·3	9th	66·8	6th & 8th	37·5
	Dinajpur	123	29·627	+·015	29·707	29·761	13th	29·456	30th	·305	79·0	92·9	+1·2	71·9	−2·4	82·4	−0·6	21·0	103·3	9th	61·4	8th	41·9
	Rangpur	123	29·646		29·725	29·772	13th	29·489	31st	·283	78·6	89·8		72·7		81·3		17·1	95·6	8th & 9th	67·1	30th	28·5

* Mean of 29 days. † Mean of 30 days. ‡ „ 28 „

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

B.

stations, in India, etc., in May, 1907.

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, 1907.	Normal rainfall for period, 1st to 31st May.	Departure from normal of Period, 1st to 31st May, 1907.	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.
14		3	1	5	3		5		S 21° E	S 81° W	1·7	1·9	−0·2	17	− 6	89	+ 1	·891	−·014	4·1	−2·2	23	18·00	+5·00	21·53	19·26	+ 2·27	213	19·26	+ 2·27	4·50	Mergui.
28						3			S 45° W	S 61° W	2·1¶	1·6	+0·5	10	+ 1	90	+ 2	·848	− 016	7·2	+0·4	26	17·70	+8·30	48·30	26·05	+22·25	48·30	26·05	+22·25	6·70	Tavoy.
21	1		1	4	3	1			S 30° E	S 47° E	3·0	3·4	−0·4	23	−13	90	+ 2	·866	−·021	8·9	+1·6	19	17·40	+1·60	45·76	19·40	+26·36	45·76	19·40	+26·36	21·52	Moulmein.
1	2		3	4	5	6	8	2	S 42° W	S 39° W	5·4‖	4·6	+0·8	40	−14	86	− 2	·900	−·018	7·6	+0·6	18	14·00	+4·00	17·90	11·22	+ 6·68	17·90	11·22	+ 6·68	3·40	Rangoon.
7	2		1	5	2	6	4	4	S 53° W	S 51° W	5·3¶	4·8	+0·5	27	− 2	87	+ 1	·932	−·009	6·7	+0·7	15	12·10	+2·90	21·79	10·30	+11·49	21·79	10·30	+11·49	4·19	Bassein.
		4	2	1	3	8	6	7	S 82° W	S 64° W	8·4	7·8	+0·6	37	− 3	80	+ 1	·945	+ ·019	5·5	−1·7	9	11·18	− 2·18	9·10	10·43	− 1·33	9·10	10·43	− 1 33	2·63	Diamond Island.
6			2	13	6	3		1	S 27° E	S 28° E	4·5	4·6	−0·1	62	− 6	87	+ 4	·936	+ ·013	7·2	+0·3	11	10·10	+0·90	14·22	6·28	+ 7 94	14·22	6·28	+ 7·94	4·04	Toungoo.
3	3	6	13	3	1			2	N 72° E	N 81° E	4·6	3·5	+1·1	62	+12	86	+ 2	935	−·032	5·4	−1·5	8	11·50	−3·50	19·30	11·88	+ 7·42	19·30	11·88	+ 7·42	5·31	Akyab.
	2				3	14	12		S 16° W	S 5° E	6·5¶	7·1	−0·6	79	+ 4	71	− 1	·830	−·013	4·5	−0·6	6	6·90	−0·90	3·89	4·13	− 0·24	3·89	4·13	− 0·24	2·32	Thayetmyo.
						5	23	2	S 42° W	S 38° E	7·3	10·3	−3·0	92	+18	73	− 4	·817	−·025	4·7	−0·3	7	6·40	+0·60	3·64	6·01	− 2·37	3·64	6·01	− 2·37	1·16	Minbu.
									a	S 28° E	4·2	8·1	−3·9	a	.	76	− 1	·807	−·016	8·2	+4·4	6	8·10	−2·10	5·45	6·76	− 1·31	5·45	6·76	− 1·31	3·70	Yamethin.
31														a						2·5	−2·4	5	6·60	−1·60	2·17	5·55	− 3·38	2·17	5·55	− 3·38	0·78	Mandalay.
3		1	3	3	14	2			S 21° E	S 4° E	6·3	7·4	−1·1	69	+ 8	69	− 2	·817	−·028	4·4		7	7·20	−0·20	6·26	3·54	+ 2·72	·26	3·54	+ 2·72	2·10	Monywa.
10	1			5	10	4		1	S		3.1			47		69		·797							3·51	6·13	− 2·62	3·51	6·13	− 2·62	1·60	Lashio.
16	1	5	1	1	1	5		1	E		4·0¶			3		76	− 8	·611	−·059	6·8	0	7										
29		1				1			a	N 53° W	1·9	9·1	−1·2	a		84	+ 4	·762	−·029	6·0	+0·4	8	10·40	−2·40	1·88	6·46	− 4·58	1·88	6·46	− 4·58	0·27	Bhamo.
22	2	2	3	1		1			N 65° E		9·8¶			13		74		·705		5·2		5			2·74			2·74			0·96	Myitkyina.
																																II.—Eastern Bengal and Assam.
30		1							N 45° E		0·4			3		90		·753		8·1		16	15·20	+0·80	7.54	14·60	− 7·06	7·54	14·60	− 7·06	1·47	Dibrugarh.
4	5	7	1		1	6		7	N 19° W	N 60° E	2·6	2·9	−0·3	33	0	91	− 1	·770	−·054	7·1	−1·0	15	15·90	−0·90	10·04	12·62	− 2·58	10·04	12·62	− 2·58	2·54	Sibsagar.
17		6	6	1			1		N 70° E		4·5			37		86		·772		5·5		13	14·10	−1·10	5·16	10·12	− 4·96	5·16	10·12	− 4·96	1·31	Tezpur.
3	3	8	1	3	2	1	2	3	N 20° E		4·1			40		85		770		4·6		10	14·20	−4·20	7·97	9·76	− 1·79	7·97	9·76	− 1·79	3·45	Gauhati.
2	1	5	16	2	2	1	1	1	S 87° E	N 67° E	9·0	7·1	+1·9	62	+8	86	− 1	·786	−·015	6·3	−0·7	11	15·70	−4·70	9·23	15·43	− 6·20	9·23	15·43	− 6·20	3·31	Dhubri.
31									a	N 84° E	0·3	2·2	−2·9	a		83	− 3	·790	−·038	4·4	−2·9	12	16·50	−4·50	5·49	17·24	−11·75	5·49	17·24	−11·75	1·24	Silchar.
		3	3	20	4	1			S 48° E	S 50° E	6·1¶	6·4	−0·3	79	+14	82†	0	·872*	−·036	4·9	−1·2	10	10·55	−0·55	5·83	10·31	− 4·48	5·83	10·31	− 4·48	1·58	Chittagong.
14		1	2	4	4	4	2		S 6° E		4·0			30		83		·883		3·4		11	10·45	+0·55	14·36	10·06	+ 4·30	14·36	10·06	+ 4·30	3·04	Noakhali.
5		7	1	2	8	8			S 11° E	S 9° E	2·0	5·0	−3·0	33	−17	82	0	·938	−·030	2·4	−3·9	11	9·84	+1·16	14·33	9·19	+ 5·14	14·33	9·19	+ 5·14	2·69	Barisal.
9	1		2	8	11				S 27° E		4·5			59		83		·878		3·1		13	11·89	+1·11	8·09	11·01	− 2·92	8·09	11·01	− 2·92	1·32	Comilla.
			16	4	4	6	1		S 52° E	S 28° E	4·8	6·7	−1·9	56	+ 2	83	− 2	·880	−·049	5·0	−1·3	9	11·53	−2·53	6·51	9 44	− 2·93	6·51	9·44	− 2·93	2·60	Narayanganj.
4			9	5	11	2			S 34° E		3·9			62		83		·887		3·3		9	10·72	−1·72	11·85	8·30	+ 3·55	11·85	8·30	+ 3·55	5·31	Faridpur.
12		1	6	2	4	5		1	S 27° E		3·6			30		81		·807		5·5		7	10·16	−3·16	3·81	7·95	− 4·14	3·81	7·95	− 4·14	0·98	Sirajganj.
4	1		17	6	2	1			S 74° E	S 81° E	3·2	4·1	−0·9	72	+ 4	82	− 3	·831	−·009	6·6	+0·4	11	13·48	−2·48	9·49	12·96	− 3·47	9·49	12·96	− 3·47	1·64	Mymensingh.
7		11	8	2		3			N 75° E	S 72° E	2·5	4·4	−1·9	53	− 7	77	− 5	·779	−·072	4·1	−0·6	8	9·77	−1·77	8·82	8·04	+ 0·78	8·82	8·04	+ 0·78	4·76	Bogra.
28			1		1	2	1		S 27° W		3·7			7		75		·792		4·0		5	7·74	−2·74	4·60	5·54	− 0·94	4·60	5·54	− 0·94	1·47	Rampur Boalia.
1		8	11	3	2	4	2		S 86° E		5·2¶			46		66		·715		2·.		5	5·58	−0·58	3·13	3·85	− 0·72	3·13	3·85	− 0·72	1·32	Maida.
2	2	12	12	2					N 68° E	N 88° E	4·5	4·6	−0·1	79	+ 7	82	+ 2	·815	+·012	4·0	−1·9	6	8·23	−2·23	4·03	8·45	− 4·42	4·03	8 45	− 4·42	1·02	Dinajpur.
9	1	7	9	3	2				N 83° E		1·9			53		81		·798		2·7		8	11·19	−3·19	12·69	0·31	+ 2·38	12·69	10·31	+ 2·38	4·70	Rangpur.

† Mean of 30 days.
‖ ,, 27 ,,

stations, the elevations of which exceed 3,200 feet. (a) Indeterminate. Uncorrected readings.

Table

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

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches: 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
	Jalpaiguri	284	29·487*	+·007*	29·731*	29·617	13th	29·331	31st	·286	77·6	89·2	+0·9	72·7	+0·4	81·0	+0·7	16·5	92·4	13th, 18th & 28th.	67·6	14th	24·8
	Cooch Behar	156	29·620		29·733	29·761	13th	29·461	30th	·300	78·2	93·4		72·5		80·4		15·9	92·4	20th	68·1	14th	24·3
	III.—Bengal.																						
6	Sangor Island	25	29·724	+·015	29·693	29·856	1st	29·546	31st	·310	85·3	91·9	+0·1	80·8	−0·2	86·4	−0·1	11·1	93·9	18th & 30th,	74·1	17th, 21st & 25th.	19·8
	Midnapore	199	29·579		29·675	29·685	13th	29·391	31st	·294	84·4	100·6		77·5		89·1		23·1	108·4	10th	68·7	19th	39·7
	Calcutta	21	29·721	+·013	29·688	29·829	12th & 13th.	29·535	31st	·294	82·9	95·8	+1·1	76·7	−0·7	86·2	+0·2	18·9	102·1	10th	68·2	24th	33·9
	Jessore	33	29·715	+·005	29·694	29·826	13th	29·525	31st	·301	83·2	94·1	−0·7	75·7	−1·1	84·9	−0·9	18·4	102·5	8th	69·7	1st	32·8
	Krishnagar	47	29·684		29·680	29·799	12th	29·509	31st	·290	80·9	96·5		75·8		86·2		20·7	104·6	10th	71·0	1st & 17th,	33·6
	Burdwan	99	29·632	+·011	29·680	29·747	12th	29·441	31st	·306	82·1	97·6	−0·8	76·3	−1·5	87·0	−1·2	21·3	104·4	9th & 10th.	70·8	17th	33·6
	Bankura	312	29·403		29·665	29·510	12th	29·198	31st	·312	85·0	102·1		77·8		90·0		24·3	110·6	31st	69·7	17th	40·9
	Raniganj	334	29·404		29·689	29·503	12th	29·214	31st	·289	82·5	100·7		76·4		88·6		24·3	110·0	10th	69·9	9th	40·1
	Berhampore	67	29·671	+·009	29·687	29·776	12th	29·477	30th	·299	81·2	95·8	−0·7	74·8	−1·8	85·3	−1·3	21·0	105·2	10th	70·2	25th	35·1
	Naya Dumka	489	29·228		29·682	29·325	13th	29·047	31st	·278	83·4	98·6		75·3		87·0		23·3	107·5	31st	63·4	8th	44·1
7	Balasore	50	29·688	+·020	29·680	29·806	13th	29·502	31st	·304	85·0	97·4	−0·2	78·1	−0·6	87·7	−0·4	19·3	104·0	10th	72·0	21st	32·0
	False Point	21	29·737	+·021	29·700	29·851	13th	29·574	31st	·277	85·0	90·3	−0·7	78·6	−1·1	84·5	−0·9	11·7	95·1	29th	71·1	19th	24·0
	Cuttack	80	29·669	+·043	29·693	29·773	12th	29·506	31st	·267	84·3	99·6	−2·0	77·9	−2·2	88·8	−2·1	21·7	104·9	17th	72·7	18th	32·2
	Puri	24	29·739		29·702	29·839	13th	29·591	31st	·248	84·6	90·4		79·9		85·2		10·5	96·6	5th	74·6	19th	22·0
	Angul	455	29·292*		29·703*	29·391	13th	29·182	25th	·209	83·5	103·5		76·4		90·0		27·1	109·2	31st	70·1	5th	39·1
	Sambalpur	486	29·244	+·012	29·673	29·355	6th	29·097	31st	·258	87·1	104·9	−2·0	78·6	−3·0	91·8	−2·5	26·3	110·1	26th	68·6	5th	41·5
8	Chaibassa	*760*	28·975‡	+·035	29·684‡	29·064	7th	28·800	31st	·264	82·7	103·6	−1·5	76·1§	−3·9	90·5§	−2·7	27·5	109·4	10th	71·7	4th&13th	37·7
	Ranchi	2,128	27·630	+·023	29·676	27·742	6th	27·468	31st	·274	83·5	97·5	−2·1	74·3	−1·7	85·9	−1·9	23·2	103·2	31st	68·4	19th	34·8
	Puralia	*816*	28·904		29·664	29·002	6th	28·717	31st	·285	82·4	101·3		76·7		89·1		24·6	111·2	31st	71·6	17th&19th	39·6
	Hazaribagh	2,007	27·736	+·018	29·661	27·844	6th	27·590	31st	·254	85·0	97·2	−2·0	74·6	−0·9	85·9	−1·5	22·6	103·2	10th	68·8	19th	34·4
	Daltonganj	*730*	28·977		29·661	29·108	6th	28·800	31st	·308	82·7	104·5		75·2		89·9		29·3	110·6	21st	64·5	6th	46·1
9	Purnea	123	29·618	+·011	29·699	29·751	18th	29·440	30th	·311	80·4	95·3	+0·5	72·4	−1·8	83·9	−0·7	22·9	103·3	10th, & 11th,	62·2	8th	41·1
	Bhagalpur	160	29·570		29·683	29·677	13th	29·377	31st	·300	84·0	98·4		74·4		86·4		24·0	106·7	9th	68·8	20th	37·9
	Monghyr	155	29·564*		29·670*	29·667	18th	29·373	31st	·294	83·5	98·6		74·9		86·8		23·7	105·9	10th	69·9	14th&15th	36·0
	Darbhanga	165	29·565	+·016	29·685	29·666	12th & 18th.	29·386	31st	·280	81·2	96·6	+1·0	74·0	−2·3	85·3	−0·7	22·6	103·6	10th	63·8	8th	39·8
	Pusa	166	29·560			29·659	18th	29·380	31st	·279	82·0	99·7		73·5		86·6		26·2	106·8	10th	65·5	5th	41·3
	Muzaffarpur	178	29·550		29·683	29·650	18th	29·367	30th	·283	83·2	98·0		74·0		86·0		24·0	104·3	9th	65·0	5th & 8th	39·3
	Motihari	224	29·504		29·689	29·636	13th	29·330	30th	·300	79·6	97·1		72·7		84·9		24·4	103·9	9th & 10th,	62·3	6th	41·6
	Chapra	181	29·535		29·670	29·635	26th	29·348	30th	·287	83·2‖	104·0‖		73·9‖		88·9‖		30·1	106·4	4 days	70·6	5th & 6th	35·8
	Patna	183	29·530	+·015	29·665	29·615	26th	29·341	30th	·274	85·2	99·5	−0·7	76·8	−0·9	88·2	−0·8	22·7	105·5	11th	72·2	6th	33·3
	Arrah	190	29·535		29·678	29·638	26th	29·344	31st	·294	84·7	101·3		75·9		88·6		25·4	106·9	10th	69·1	5th, 6th & 8th,	37·8
	Buxar	239	29·462		29·657	29·576	26th	29·267	31st	·309	83·7	101·8		77·2		89·5		24·6	108·5	10th	70·1	4th	38·4
	Dehri	351	29·352		29·654	29·468	6th	29·153	31st	·315	86·0	104·1		79·5		91·8		24·6	109·4	10th, 11th & 31st.	75·0	4 days	34·4
	Gaya	375	29·327	+·014	29·652	29·432	6th	29·142	31st	·290	87·0	102·9	−2·0	78·3	−1·2	90·6	−1·6	24·6	109·5	31st	61·2	17th	48·3
	IV.—United Provinces of Agra and Oudh.																						
10	Gorakhpur	257	29·457	+·024	29·670	29·583	18th	29·264	30th	·319	84·2	99·7	−1·3	75·0	−2·3	87·4	−1·8	24·7	105·1	4 days	68·5	5th	25·6
	Benares	267	29·428	+·016	29·647	29·547	6th	29·237	31st	·310	87·6	103·1	−2·4	76·0	−2·9	89·6	−2·7	27·1	108·6	31st	66·2	6th	42·4
	Allahabad	309	29·380	+·013	29·640	29·503	6th	29·190	31st	·313	89·0	105·8	−1·2	77·0	−2·5	91·4	−1·9	28·3	111·1	31st	68·5	6th	42·6

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

* Mean of 30 days.

† Uncorrected Reading.

‡ Mean of 28 days.

NOTE.—The barometric readings are not reduced to

B—*continued.*

***stations, in India, etc., in May, 1907*—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 in 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 1907. (53)	Normal rainfall for period, 1st to 31st May. (54)	Departure from normal of period, 1st to 31st May 1907. (55)	Heaviest rainfall during month. (56)	Stations. (57)
1	4	6	11	5	1	1		2	N 77° E	N 88° E	3·4			56	+24	83	−1	·781	−·019	4·2	−0·1	10	12·42	−2·42	6·52	12·04	−5·52	6·52	12·04	−5·52	2·60	Jalpaiguri.
10			18	3					S 84° E		2·0			66		79		·761		4·3		13	14·76	−1·76	14·65	15·26	− 0·61	14·65	15·26	− 0·61	3·22	Cooch Behar.
																																III.—Bengal.
	2	2		1	12	13	1		S 23° W	S 5° W	17·6†	16·9	+0·7	66	− 9	81	0	·977	−·032	4·1	−2·9	4	6·71	−2·71	2·07	5·09	−3·02	2·07	5·09	− 3·02	0·72	Sangor Island.
1	3		1		21	3	1	1	S 9° W		5·1			82		71		·828		1·5		5	7·05	−2·05	4·18	5·69	−1·51	4·18	5·69	− 1·51	1·85	Midnapore.
1		2	2	4	7	14		1	S 13° W	S 6° W	5·9†	7·0	−1·1	62	−6	79	0	·900	−·044	3·0	−2·0	7	7·46	−0·46	5·48	5·68	−0·20	5·48	5·68	− 0·20	1·73	Calcutta.
17		2	1	4	3	2	1	1	S 2° E	S 16° E	1·7	4·6	−2·9	20	−34	80	− 4	·911	−·061	4·9	−1·0	10	9·74	+0·26	6·66	7·94	−1·28	6·66	7·94	− 1·28	1·90	Jessore.
1	1	3	4	4	10	4	3	1	S 10° E		4·3			40		82		·863		3·4		5	7·74	−2·74	3·41	6·55	−3·14	3·41	6·55	−3·14	1·25	Krishnagar.
8	1	2		1	5	12	2		S 34° W	S 11° W	3·6	4·7	−1·1	49	− 5	79	+ 4	·867	−·016	3·5	−1·5	7	7·32	−0·32	6·44	6·35	+0·09	6·44	6·35	+ 0·09	2·13	Burdwan.
12		1	2	3	1	4	7	1	S 50° W		3·6			27		61		·717		1·6		3	6·19	−3·19	1·42	3·89	−2·47	1·42	3·89	− 2·47	0·60	Bankura.
29			1	1					S 63° E		1·8			7		65		·729		1·7		4	5·18	−1·18	1·98	3·77	−1·79	1·98	3·77	− 1·79	1·05	Raniganj.
6	1	3	7		9	4	1		S 29° E	S 37° E	3·8	5·1	−1·3	33	−17	77	− 6	·824	−·080	5·0	−0·6	5	7·74	−2·74	4·66	5·41	−0·75	4·66	5·41	− 0·75	1·76	Berhampore.
21	1	1	4	2		2			S 79° E		2·9			17		65		·737		1·5		2	5·21	−3·21	0·46	3·60	−3·14	0·46	3·60	− 3·14	0·25	NayaDumka.
	2	1	1		4	21	1	1	S 45° W	S 29° W	5·3	8·8	−3·5	69	− 6	70	− 9	·848	−·123	3·0	−2·5	3	7·74	−4·74	1·60	5·97	−4·37	1·60	5·97	− 4·37	1·10	Balasore.
1	1				8	19	2		S 37° W	S 27° W	12·2	13·7	−1·5	82	+ 7	80	− 3	·958	−·057	5·0	−1·4	5	4·32	+0·68	2·90	5·23	−2·33	2·90	5·23	− 2·33	1·47	False Point.
9			1	2	7	11	2		S 32° W	S 46° W	3·6†	5·1	−1·5	59	+19	79	+ 7	·980	+·026	3·5	−1·1	7	5·23	+1·77	3·18	4·24	−1·06	3·18	4·24	− 1·06	1·00	Cuttack.
2				1	3	22	2	1	S 43° W		15·7*			79		84		1·012		2·7		1	3·39	−2·39	0·46	2·89	−2·43	0·46	2·89	− 2·43	0·40	Puri.
5	2	5	3	7	3		2	4	N 87° E		6·8			21		69		·795		1·4		2			1·34			1·34			0·89	Angul.
		5	2	6	5	11	1	1	S 2° E	S 7° E	4·0	4·3	−0·3	41	− 1	46	− 5	·582	−·131	2·7	−0·8	1	3·00	−2·00	0·60	1·62	−1·02	0·60	1·62	− 1·02	0·58	Sambalpur.
27	1	1				1	1		N 45° W	S 58° W	P	2·8		3	−44	61	0	·677	−·112	1·1	−1·4	4	5·65	−1·65	1·75	3·34	−1·59	1·75	3·34	− 1·59	0·71	Chaibassa.
			2	1	4	12	8	4	S 60° W	S 43° W	8·8	7·8	+1·0	66	+19	29	−12	·433	−·172	1·9	−0·3	1	4·68	−3·68	0·16	2·08	−1·92	0·16	2·08	− 1·92	0·12	Ranchi.
1	3	1	2	4	5	5	8	2	S 50° W		4·1			30		59		·647		1·9		3	5·26	−2·26	0·98	2·92	−1·94	0·98	2·92	− 1·94	0·38	Purulia.
	2		2	1	4	12	6	4	S 62° W	S 28° W	8·3	9·2	−0·9	56	+ 6	40	− 6	·468	−·066	2·3	−0·8	3	3·93	−0·93	1·62	2·33	−0·71	1·62	2·33	− 0·71	1·38	Hazaribagh.
18	1	2	5	2	1	2			S 81° E		4·8			20		48		·539		1·7		2	2·27	−0·07	0·31	1·04	−0·73	0·31	1·04	− 0·73	0·16	Daltonganj.
3		29	3	4				1	N 58° E	N 82° E	2·8	4·5	−1·7	72	− 3	75	− 1	·772	−·041	1·7	−2·7	4	5·34	−1·34	3·76	4·77	−1·01	3·76	4·77	−1·01	1·82	Purnea.
10		9	5	2		2	3		N 63° E		4·1			30		60		·698		1·4		2	4·16	−2·16	2·12	2·79	−0·67	2·12	2·79	− 0·67	1·18	Bhagalpur.
1	1	4	19	2			1	1	N 81° E		8·9			66		67		·764		1.6		2			0·66			0·66			0·37	Monghyr.
14	1	12	2			1			N 48° E	S 79° E	3·7	6·2	−2·5	46	−30	69	− 2	·744	−·048	1·5	−0·8	1	3·93	−2·93	0·47	3·07	−2·60	0·47	3·07	− 2·60	0·34	Darbhanga.
4			18	4		1		3	S 87° E					59		63		·695		1·8		1			0·33			0·33			0·32	Pusa (a)
5		1	11	10			2	2	S 72° E		5·6†			53		62		·713		0·8		0	3·65	−3·65	0·03	2·40	−2·37	0·03	2·40	− 2·37	0·03	Muzaffarpur.
6	1	8	12	3					N 77° E		5·0			69		70		·698		2·0		2	4·25	−2·25	0·53	2·65	−2·12	0·53	2·65	− 2·12	0·43	Motihari.
	1	2	18		2		3		N 88 E		P			37		668		·7488		1·1		0	2·13	−2·13	0	1·35	−1·35	0	1·35	− 1·35	0	Chapra.
1	1	4	13	3	2	2	5		S 81° E	N 87° E	7·0	5·8	+1·2	49	−28	54	−11	·646	−·120	1·6	−0·4	1	2·97	−1·97	0·26	1·93	−1·67	0·26	1·93	− 1·67	0·22	Patna.
8		7	4	6	1	2	1	2	S 88° E		2·8			30		50		·598		0·7		1	2·45	−1·45	0·34	1·47	−1·13	0·34	1·47	− 1·13	0·34	Arrah.
1	4	1	14	1	2	5	3		S 77° E		4·5			30		48		·656		1·8		1	1·97	−0·97	0·19	0·82	−0·63	0·19	0·82	− 0·63	0·13	Buxar.
1		3	7	1	7	10	2		S 45° E		5·8			43		43		·524		8·2		0	1·47	−1·47	0·08	0·82	−0·74	0·08	0·82	− 0·74	0·06	Dehri.
5	2	8	2	2	4		7		N 56° E	S 78° W	4·3	5·8	−1·0	10	−18	55	− 3	·696	−·082	2·1	−0·5	1	1·94	−0·94	1·78	0·98	+0·80	1·78	0·98	+ 0·80	1·73	Gaya.
																																IV.—United Provinces of Agra and Oudh.
6	2	8	6	3			3	3	N 48° E	N 76° E	2·7†	3·5	−0·8	40	− 3	52	−11	·605	−·129	1·7	+0·1	2	2·40	−0·40	0·49	1·34	−0·85	0·49	1·34	− 0·85	0·33	Gorakhpur.
4	1	1	7	3		4	6	5	N83° W	N 72° E	4·3	5·1	−0·8	8	− 4	49	− 4	·649	−·025	1·1	−0·6	0	1·00	−1·00	0·07	0·69	−0·57	0·07	0·64	− 0·57	0·04	Benares.
1	2		6	4	4	3	7	4	S 37° W	N 2° E	4·7	6·8	−2·1	17	+ 8	32	−10	·454	−·134	0·7	−0·9	0	0·50	−0·50	0·06	0·69	−0·27	0·06	0·29	− 0·23	0·06	Allahabad.

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

(a) Wind observations of 30 days.

§ Mean of 15 days.

‖ Mean of 27 days.

Table

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

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 of hourly maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	IV.—United Provinces of Agra and Oudh—*contd.*																						
	Cawnpore . .	416	29·287	+·042	29·658	29·411	6th	29·102	31st	·309	86·8	104·4	−1·8	76·7	−3·9	90·6	−2·9	27·7	109·9	31st	66·7	6th & 7th.	43·2
	Lucknow . .	368	29·338	+·033	29·662	29·457	6th	29·140	31st	·317	86·2	103·5	−1·5	76·3	−1·5	89·9	−1·5	27·2	109·0	31st	66·1	9th	40·9
	Bahraich . .	401	29·301†	+·030†	29·660†	29·420	20th	29·106	31st	·314	84·1	101·6	−1·4	74·1	−3·5	88·0	−2·5	27·2	107·6	10th	66·0	5th	41·6
11	Jhansi . .	858	28·883	+·038	29·686	29·016	6th	28·746	30th	·270	90·4	106·3	−4·0	82·9	−0·8	94·6	−2·4	23·4	111·3	16th	74·1	6th	37·2
	Agra . .	556	29·164	+·041	29·674	29·300	6th	28·989	30th	·311	87·3	103·2	−4·0	79·1	−2·4	91·2	−3·2	24·1	109·5	25th	69·5	5th	40·0
	Mainpuri . .	516	29·190	+·047	29·659	29·333	6th	29·016	31st	·317	87·0	105·2	−2·3	76·6	−3·2	90·9	−2·8	28·6	112·2	16th	65·3	5th	46·9
	Bareilly . .	568	29·119	+·017	29·648	29·224	6th	28·935	31st	·289	84·3	101·1	−2·1	74·6	−1·8	87·9	−2·0	26·5	105·8	31st	66·5	10th	39·3
	Meerut . .	738	28·955	+·026	29·653	29·086	6th	28·762	31st	·324	84·5	99·4	−3·6	72·7*	−2·2	86·2	−3·4	26·7	105·6	25th	61·8	3rd & 5th.	43·8
	Roorkee . .	890	28·797	+·026	29·659	28·906	6th	28·585	31st	·311	82·8	99·2	−4·2	71·1	−3·5	85·2	−3·9	28·1	106·5	31st	58·4	5th	48·1
	Debra Dun . .	2,233	27·508	+·015	29·682	27·623	6th	27·324	30th	·299	77·2	93·7	−1·3	67·5	−3·0	80·6	−2·2	26·2	99·5	16th	59·5	5th.	40·0
	V.—Punjab.																						
12	Delhi . .	718	28·992	+·041	29·669	29·125	6th	28·810	30th	·315	85·6	102·4	−2·3	78·7	−1·5	90·6	−1·9	23·7	108·7	16th & 26th.	72·2	3rd	36·5
	Sirsa . .	682	29·027	+·039	29·649	29·168	6th	28·854	24th & 31st.	·314	86·2	103·9	−3·3	75·7	−1·7	89·8	−2·5	28·2	111·8	25th	64·1	4th	47·7
	Patiala . .	*818*	28·868		29·647	28·977	6th	28·646	30th	·331	85·0	99·3		72·9		86·1		26·4	108·8	25th	61·4	5th	47·4
	Ambala . .	892	28·797*	+·041	29·652	28·933	6th*	28·592	30th	·341	83·0	99·2	−6·0	71·3	−5·6*	85·3	−5·8	27·9	106·5	25th	62·0	8th	44·5
	Ludhiana . .	812	28·879	+·037*	29·657*	29·005	6th	28·678	24th	·327	83·2	97·5	−6·9	74·5*	−0·9	86·3*	−3·9	23·0	109·0	25th	64·6	5th	44·4
	Lahore . .	702	28·975*	+·035	29·645	29·112	6th	28·752	24th	·360	83·3	102·1	−3·6	72·8	+0·2	87·5	−1·6	29·3	113·4	25th	60·2	4th	53·2
	Sialkot . .	830	28·856	+·037*	29·655*	28·987	6th	28·630	24th	·357	83·3	98·8	−4·3	71·2	−3·6	85·0	−4·0	27·6	107·7	24th & 25th.	57·2	3rd	50·5
	Rawalpindi . .	1,674	28·044	+·033	29·688	28·183	6th	27·822	24th	·361	80·0	93·9	−4·2	65·6	−3·0	79·8	−3·6	28·3	105·0	26th	53·1	2nd & 4th.	51·9
13	Khushab . .	612	29·084	+·046	29·662	29·230	6th	28·847	24th	·383	86·6	100·9	−4·0	74·4*	−2·9	87·5	−3·5	26·5	111·8	25th	64·4	3rd	47·4
	Montgomery . .	558	29·138	+·074	29·657	29·288	6th	28·907	24th	·381	88·2	104·5	−3·8	74·1	−4·3	89·3	−4·1	30·4	115·3	25th	60·5	3rd	54·8
	Multan . .	420	29·265	+·043	29·616	29·442	6th	29·032	24th	·410	87·4	104·6	−2·0	77·0	−0·6	90·8	−1·3	27·6	114·5	25th	63·0	3rd	51·5
	VI.—North-West Frontier Province.																						
15	Peshawar . .	1,110	28·631	+·040	29·725	28·788	6th	28·379	24th	·409	80·0	95·2	−3·4	66·8	−3·2	81·0	−3·3	28·4	107·2	24th	54·9	3rd	52·3
	D. I. Khan . .	590	29·124	+·040	29·662	29·293	6th	28·868	24th	·425	84·6	102·0	−2·2	72·5	−2·4	87·3	−2·3	29·5	114·2	24th	58·0	1st	56·2
	VII.—Sind.																						
17	Jacobabad . .	186	29·519	+·061	29·665	29·732	2nd	29·333	30th	·399	88·5	109·2	−2·4	75·0	−3·2	92·1	−2·8	34·2	119·1	25th	61·4	3rd & 9th	57·7
	Hyderabad . .	96	29·648	+·055	29·697	29·814	2nd	29·464	30th	·350	85·7	104·7	−2·2	75·6	−2·8	90·2	−2·5	29·1	113·2	28th	66·0	3rd	47·2
	Kurrachee . .	30	29·775	+·067	29·756	29·807	2nd	29·612	30th	·285	83·2	94·0	+1·1	76·4	−2·3	85·2	−0·6	17·6	103·9	8th	65·2	8th	38·7
	VIII.—Rajputana.																						
18	Bikaner . .	*771*	28·935	+·044	29·667	29·072	6th	28·787	24th	·285	86·7	104·5	−2·6	80·4	−2·2	92·5	−2·4	24·1	111·5	17th	69·0	3rd	42·5
	Jodhpur . .	782	28·986		29·745	29·103	6th	28·842	30th	·261	84·1	103·6		77·2		90·4		26·4	110·7	17th	65·3	4th	45·4
	Pachpadra . .	*380*	29·380	+·054	29·715	29·490	6th	29·277	31st	·213	85·0	105·0	−2·8	74·0	−3·5	89·5	−3·2	31·0	111·1	17th	63·2	3rd, 4th & 5th.	47·9
19	Jaipur . .	1,431	28·331	+·039	29·707	28·453	6th	28·192	30th	·261	86·7	103·6	−3·0	75·4	−2·8	89·5	−2·9	28·2	108·7	16th & 17th.	63·1	3rd	45·6
	Sambhar . .	1,254	28·499	+·051	29·703	28·629	6th	28·375	30th	·254	86·6	103·9	−1·2	76·6	−3·6	90·3	−2·4	27·3	109·5	16th & 17th.	64·5	9th	45·0
	Ajmer . .	1,611	28·186	+·059	29·743	28·302	6th	28·034	30th	·268	84·5	101·9	−1·9	78·5	−0·8	90·2	−1·4	23·4	109·4	17th	66·2	3rd	43·2
	Kotah . . .	819†	28·913		29·717	29·036	6th	28·764	30th	·272	91·1	105·7		81·6		93·7		24·1	11·06	16th	73·1	6th & 7th.	37·5
	Udaipur . .	1,925	27·896		29·746	27·996	6th	27·788	30th	·208	85·8	99·8		75·1		87·5		24·7	106·0	16th	65·8	4th & 6th.	40·2

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

*Mean of 30 days.
† „ „ 29 „

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

B—*continued.*

stations, in India, etc., in May, 1907—continued.

Wind Direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind Velocity. Mean velocity in miles per hour.	Normal.	Departure from normal.	Wind Steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st to 31st May, 1907.	Normal rainfall for period, 1st to 31st May.	Departure from normal of period, 1st to 31st May, 1907.	Heaviest rainfall during month.	Station
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																IV.—United Provinces of Agra and Oudh—*contd.*
5	3	3	4	2	1	2	6	6	N 33° W	S 56° W	3·9§	4·9	−1·0	30	+15	38	− 8	·488	−·144	0·6	−0·6	0	1·00	−1·00	0·05	0·31	−0·26	0·05	0·31	−0·26	0·05	Cawnpore.
10	1	3	7	3		3	2	1	S 78° E	N 72° E	2·7	4·0	−1·3	20	+ 7	39	− 7	·490	−·103	1·4	−0·1	0	1·50	−1·50	0	1·01	−1·01	0	1·01	−1·01	0	Lucknow.
5	1	2	9	7	1	2	2	3	S 78° E	S 72° E	4·5	4·9	−0·4	33	−13	49	−11	·562	−·198	2·0	+0·6	3	2·50	+0·50	1·06	1·95	−0·89	106	1·95	−0·89	0·58	Bahraich.
3	3	.		1		6	10	7	N 84° W	N 70° W	8·2	4·7	+3·5	59	+19	56	+24	·796	+·313	0·8	−0·2	0	0·70	−0·70	0	0·41	−0·41	0	0·41	−0·41	0	Jhansi.
7		2		1	1	18		3	S 52° W	S 49° W	5·7	6·1	−0·4	56	+17	33	− 5	·445	−·091	1·8	+0·8	1	1·50	−0·50	0·57	0·56	+0·01	0·57	0·56	+0·01	0·51	Agra.
5	1	1	4	2	1	3	8	6	N 80° W	N 84° W	3·1	2·8	+0·3	27	+12	35	− 7	·459	−·108	2·3	+1·0	1	1·10	−0·10	0·24	0·43	−0·19	0·24	0·43	−0·19	0·18	Mainpuri.
14	3	1	8			1	1	2	N 58° E	S 73° E	3·3	4·3	−1·0	23	+10	44	− 4	·510	−·080	1·7	+0·2	1	2·27	−1·27	0·28	0·76	−0·48	0·28	0·76	−0·48	0·28	Bareilly.
20		1	4				4	2	N 18° W	S 54° W	1·5§	2·6	−1·1	7	−14	47	+ 6	·561	+·047	0·6	−1·4	2	1·50	+0·50	0·26	0·60	−0·34	0·26	0·60	−0·34	0·16	Meerut.
15				11				5	S 45° E	S 15° E	3·9	3·7	+0·2	20	− 9	40	0	·449	−·033	0·3	−1·3	2	2·10	−0·10	0·65	0·82	−0·17	0·65	0·82	−0·17	0·38	Roorkee.
31									‡	N 2° W	2·3§	2·2	+0·1	‡		44	− 2	·414	−·053	0·8	−1·6	4	3·40	+0·60	1·08	1·69	−0·61	1·08	1·69	−0·61	0·49	Dehra Dun.
																																V—Punjab.
1	1	2	2	2	2	7	11	3	S 74° W	S 73° W	5·4	4·4	+1·0	46	+21	41	+ 3	·499	+·009	1·9	−0·5	0	2·20	−2·20	0·06	0·72	−0·66	0·06	0·72	−0·66	0·06	Delhi.
3	5	5	2	2	4	4	3	3	N 23° W	S 39° W	5·9	6·2	−0·3	7	−18	38	+ 1	·486	−·005	0·2	−2·7	1	1·60	−0·60	0·37	0·71	−0·34	0·37	0·71	−0·34	0·30	Sirsa.
3	6	1	2	11		1	4	3	N 85° E		5·8			12		50		·606		0·8		0			0			0			0	Patiala.
11			3	8			1	8	E	S 89° E	3·5	3·1	+0·4	6	− 2	44	−5	·503	−·093	0·5	−0·7	0	1·70	−1·70	0	0·73	−0·73	0	0·73	−0·73	0	Ambala.
7	3	4	1	10			1	5	N 70° E	S 44° E	2·6	2·6	0	23	+ 9	46	+ 6	·516	+·001	0·5	−1·4	1	1·60	−0·60	0·28	0·61	−0·33	0·28	0·61	−0·33	0·28	Ludhiana.
8	6	1	6	1	1		1	7	N 10° E	N 72° E	3·4	3·2	+0·2	33	+11	41	0	·478	−·023	1·2	−0·6	0	1·50	−1·50	0·07	0·82	−0·75	0·07	0·82	−0·75	0·04	Lahore.
6	7	5	5	1			3	4	N 15° E	N 41° E	2·6	3·1	−0·5	43	+ 4	46	+ 5	·528	+·010	0·8	−0·7	1	2·30	−1·30	0·88	1·03	−0·15	0·88	1·03	−0·15	0·80	Sialkot.
19		2	1	1	2	1	1	4	N 58° W	N 14° E	4·0	3·0	+1·0	3	−15	45	+ 1	·439	−·033	1·4	−0·7	5	3·00	+2·00	1·32	1·47	−0·15	1·32	1·47	−0·15	0·52	Rawalpindi.
5	5	14	4	1				2	N 43° E	N 11° E	7·3	7·0	+0·3	66	+48	35	+ 3	·431	−·011	1·7	+0·6	2	1·20	+0·80	0·82	0·78	+0·04	0·82	0·78	+0·04	0·54	Khushab.
2	5	4	5	4	4	2	2	3	N 71° E	S 48° E	7·2	7·5	−0·3	17	+ 3	26	−10	·348	−·172	1·1	−0·1	2	1·00	+1·00	0·33	0·27	+0·06	0·33	0·27	+0·06	0·18	Montgomery.
9	4	10		4		3		1	N 46° E	S 12° E	2·3	2·6	−0·3	33	+26	34	−10	·436	−·140	0·4	−0·2	1	0·80	+0·20	0·66	0·30	+0·36	0·66	0·30	+0·36	0·66	Multan.
																																VI.—North-West Frontier Province.
21	3		2	1		1	2	1	N 17° W	N 50° W	2·4	4·6	−2·2	7	− 4	44	+ 2	·465	−·015	2·0	−0·1	1	1·60	−0·60	0·22	0·75	−0·53	0·22	0·75	−0·53	0·17	Peshawar.
6	3	11		1		1		9	N 6° E	N 16° E	2·4	2·4	0	53	+28	46	− 3	·554	−·057	0·5	−0·4	1	1·00	0	0·22	0·34	−0·12	0·22	0·34	−0·12	0·18	D. I. Khan.
																																VII.—Sind.
6	5			6	5			9	N 45° W	S 53° E	5·1	4·7	+0·4	10	−19	33	− 7	·460	−·123	0·2	−0·7	0	0·30	−0·30	0	0·16	−0·16	0	0·16	−0·16	0	Jacobabad.
2	3	3			4	16	3		S 50° W	S 45° W	7·5	14·5	−7·0	53	−37	45	−12	·560	−·131	0·4	−0·6	0	0·30	−0·30	0	0·18	−0·18	0	0·18	−0·18	0	Hyderabad.
	6	1				2	17	5	N 68° W	S 56° W	13·1	16·9	−3·8	76	+22	70	− 7	·792	−·122	2·7	−0·9	0	0	0	0	0	0	0	0	0	0	Kurrachee.
																																VIII.—Rajputana.
		1	1	1	6	12	7	3	S 51° W	S 36° W	9·4	7·9	+1·5	62	− 3	57	+11	·741	+·100	0·6	−0·5	1	1·50	−0·50	0·42	0·88	−0·46	0·42	0·88	−0·46	0·42	Bikaner.
4	1	3		1	4	15	2	1	S 42° W		6·3			49		38		·445		0·9		1	1·20	−0·20	0·23	0·27	−0·04	0·23	0·27	−0·04	0·23	Jodhpur.
	2	1	2	1	10	10	2	3	S 31° W		11·4	11·1	+0·3	49		54	− 8	·649	−·097?	0	−2·5	1	1·10	−0·10	0·71	0·66	+0·05	0·71	0·66	+0·05	0·71	Pachpadra.
	4	6	2		2	2	7	7	N 32° W	S 88° W	7·6§	6·3	+1·3	40	−10	31	− 9	·395	−·111	1·2	−0·3	2	1·50	+0·50	0·72	0·49	+0·23	0·72	0·49	+0·23	0·47	Jaipur.
7	3	1		1	1	2	11	5	N 74° W	N 84° W	9·2§	10·2	−1·0	53	−12	46	+ 5	·598	+·050	1·0	−0·2	2	1·60	+0·40	0·29	0·76	−0·47	0·29	0·76	−0·47	0·19	Sambhar.
4	1	4			2	3	16	1	N 89° W	S 79° W	9·3	8·8	+0·5	52	−23	45	+ 1	·540	−·029	1·1	+0·1	2	1·50	+0·50	0·57	0·61	−0·04	0·57	0·61	−0·04	0·42	Ajmer.
8	1	1				9		12	N 75° W		4·0			49		27		·406		0·8		0	1·20	−1·20	0·04	1·11	−1·07	0·04	1·11	−1·07	0·04	Kotah.
5	2	2	1		2	4	14	1	S 87° W		7·0			49		39		·475		0·3		1	1·70	−0·70	1·30			1·30			1·30	Udaipur.

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

§ Uncorrected readings.
‡ Indeterminate.

Table

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

Number of sub-divisions.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	IX.—Bombay.																						
20	Deesa	466	29·330	+·027	29·760	29·451	13th	29·220	30th	·221	85·5	106·8	+0·1	74·1	−3·4	90·5	−1·7	32·7	111·3	17th	65·4	3rd	45·9
	Bhuj	395	29·420	+·070	29·775	29·527	13th	29·305	30th	·222	84·6	99·5	−1·8	75·1	−1·6	87·3	−1·7	24·4	105·6	12th	68·5	2nd	37·1
	Jamnagar	61	29·775		29·781	29·862	13th	29·654	30th	·208	84·7	97·9		74·1		86·0		23·8	102·7	8th	68·0	5th	34·7
	Dwarka	37?	29·820		29·803	29·916	13th	29·692	30th	·224	83·2	87·5		79·7		83·6		7·8	89·3	19th	77·7	6th & 13th.	11·6
	Rajkot	429	29·416*	+·057*	29·795*	29·493	13th	29·352	29th	·141	84·4	103·9	−1·5	71·9	−3·2	87·9	−2·4	32·0	106·4	12th	61·0	2nd	45·4
	Veraval	*18*	29·853	+·044	29·813	29·933	19th	29·751	30th	·182	82·0	86·3	−0·4	77·1*	−1·3*	81·7*	−0·9	9·2	92·6	6th & 8th.	66·8	5th	25·8
	Bhavnagar Para	55	29·797	+·012	29·796	29·876	21st	29·715	30th	·161	85·4	106·0	+3·1	76·2	−2·6	91·0	+0·3	29·8	111·2	8th	68·5	3rd	42·7
	Surat	39	29·818	+·031	29·802	29·909	21st	29·737	8th	·172	85·2	97·6	−0·6	77·1	−1·0	87·4	−0·8	20·5	107·1	8th	72·5	5th	34·6
	Ahmedabad	163	29·668	+·031	29·779	29·727	13th	29·589	30th	·167	85·5	107·0	−0·1	77·0	−2·5	92·0	−1·3	30·0	111·1	8th	70·7	3rd	40·4
28	Bombay	37	29·853	+·031	29·830	29·946	18th	29·777	30th	·169	83·7	91·0	+0·3	80·0	−0·7	85·5	−0·2	11·0	93·0	15th	77·0	11th	16·0
	Ratnagiri	110	29·779	+·036	29·828	29·868	18th	29·712	30th	·156	84·1	89·9	−1·2	78·9	−0·7	84·4	−1·0	11·0	93·6	6th	75·9	6th & 9th.	17·7
	Goa	199	29·690	+·018	29·826	29·781	18th	29·628	31st	·153	84·7	89·3	−0·7	80·6	+0·1	85·0	−0·3	8·7	91·0	30th	77·0	5th	14·0
	Mormugao	*60*	29·839	+·028	29·833	29·937	18th	29·775	30th	·162	85·3	89·9	−0·1	81·0	−0·1	85·5	−0·1	8·9	94·0	29th	78·9	5th & 6th,	15·1
	Karwar	44	29·843	+·022	29·825	29·933	18th	29·773	30th	·160	81·2	90·4	+0·6	78·2	−1·5	84·3	−0·5	12·2	92·8	29th	77·0	5th, 10th & 12th.	15·8
27	Malegaon	1,480	28·415	+·025	29·782	28·507	21st	28·348	30th	·159	86·5	104·7	+0·7	72·8	−2·3	88·8	−0·8	31·9	108·3	8th	68·1	6th	40·2
	Ahmednagar	2,154	27·733	+·043	29·800	27·854	18th	27·671	30th	·183	83·9	102·1	+2·7	68·8	−3·0	85·5	−0·2	33·3	105·9	14th	64·0	18th	41·9
	Poona	1,846	28·039	+·033	29·829	28·117	18th	27·960	30th	·157	79·8	99·7	+0·5	68·2	−3·7	84·0	−1·6	31·5	105·0	8th	65·8	5th & 21st.	39·2
	Sholapur	1,590	28·257	+·026	29·764	28·337	18th	28·199	8th	·138	84·0	104·6	−0·2	75·1	−1·4	89·9	−0·8	29·5	107·2	16th	71·5	4th	36·7
	Bijapur	*1,948*	27·914	+·016	29·788	28·000	18th	27·855	30th	·145	82·0	100·8	+0·5	72·9	−1·8	86·9	−0·7	27·9	103·2	16th	68·2	11th	35·0
	Belgaum	2,536	29·355	+·037	29·820	29·454	18th	29·289	30th	·145	73·2	93·0	0	66·7	−1·5	79·8	−0·8	26·3	99·3	6th	61·4	13th	37·9
	X.—Central India.																						
21	Neemuch	1,824	28·180	+·048	29·746	28·282	6th	28·074	31st	·208	85·1	99·3	−4·7	74·2	−2·9	86·8	−3·8	25·1	104·7	16th	64·7	5th	40·0
	Indore	1,823	28·010	+·058	29·768	28·094	21st	27·939	30th	·155	84·5	100·9	−1·9	74·1	−1·8	87·5	−1·9	26·8	104·6	15th	62·4	5th	42·2
22	Nowgong	754	28·980	+·042	29·684	29·091	6th	28·839	31st	·252	86·9	104·0	−3·4	76·0	−3·8	90·0	−3·6	28·0	110·0	25th	64·5	5th & 6th.	45·5
	Sutna	1,040	28·680	+·030	29·668	28·802	6th	28·535	31st	·267	88·6	103·9	−1·6	76·9	−2·4	90·4	−2·0	27·0	108·6	25th	67·6	4th	41·0
	XI.—Central Provinces.																						
23	Buldana	2,132								8 hrs.	data	not a	vailab	le.									
	Akola	990	28·870	+·036	29·740	28·945	21st	28·810	28th & 31st	·135	88·7	107·7	0	77·6	−3·5	92·7	−1·8	30·1	112·8	15th	68·4	7th	44·4
	Amraoti	1,215	28·584	+·046	29·732	28·657	21st	28·515	28th & 31st.	·142	89·2	107·2	−0·5	77·1	−2·9	92·2	−1·7	30·1	110·4	16th	71·8	5th & 6th.	38·6
	Khandwa	1,044	28·768	+·047	29·760	28·847	18th & 21st.	28·704	8th.	·143	86·4	106·0	−0·5	78·0	−2·9	92·0	−1·7	28·0	109·7	9th	66·1	4th	43·6
24	Hoshangabad	1,006	28·779	+·033	29·736	28·854	6th & 21st.	28·695	31st	·159	86·2	104·4	−3·2	74·0	−6·3	89·2	−4·8	30·4	108·2	16th	62·3	4th	45·9
	Saugor	1,807	27·975	+·040	29·703	28·073	13th	27·870	31st	·203	87·5	102·3	−2·8	77·1	−1·4	89·7	−2·1	25·2	107·6	16th	70·5	5th	37·1
	Jubbulpore	1,327	28·435	+·040	29·708	28·525	6th	28·325	31st	·200	84·6	103·0	−2·6	72·9	−6·0	88·0	−4·3	30·1	107·0	16th	63·3	4th	42·7
	Seoni	2,033	27·762	+·031	29·702	27·846	13th	27·670	31st	·176	87·5	102·5	−1·5	67·6	−9·7	85·1	−5·6	34·9	105·9	4 days	60·0	5th & 13th.	45·9
	Nagpur	1,017	28·746	+·035	29·700	28·832	13th	28·657	31st	·175	96·3	107·7	−1·6	79·0	−2·9	93·4	−2·3	28·7	110·6	16th & 17th.	67·6	12th	43·0
25	Pendra	2,123?	27·734		29·673	27·837	13th	27·615	31st	·222	86·2	98·6		75·8		87·2		22·8	104·3	26th	69·1	4th, 5th & 11th.	35·2
	Raipur	970	28·768	+·053	29·671	28·865	13th	28·656	31st	·209	89·1	105·4	−2·0	77·4	−5·1	91·4	−3·6	28·0	109·8	17th & 27th.	68·9	4th	40·9
	Chanda	*634*	29·126	+·025	29·698	29·201	21st	29·049	31st	·152	90·8	107·5	−2·0	77·9	−3·6	92·7	−2·8	29·6	111·0	27th	66·5	4th	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 2,200 feet.
* Mean of 30 days.

B—*continued.*

***stations, in India, etc., in May, 1907*—continued.**

Wind Direction. Number of winds from Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind Velocity. Mean velocity in miles per hour.	Normal.	Departure from normal.	Wind Steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs., in inches of mercury.	Departure from normal, in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st to 31st May 1907.	Normal rainfall for period, 1st May to 31st May.	Departure from normal of period, 1st to 31st May 1907.	Heaviest rainfall during month.	Stations.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																IX.—Bombay.
		7	2	1	6	13	2		S 13° W	S 83° W	12·6†	13·4	−0·8	40	−25	44	−14	·527	−·172	1·7	−0·7	0	0·55	−0·55	0	0·25	−0·25	0	0·25	−0·25	0	Deesa.
	3	1				7	11	9	N 77° W	S 77° W	15·9	17·4	−1·5	72	−11	71	+ 3	·838	+·068	0·8	−0·5	0	0·30	−0·30	0	0·09	−0·09	0	0·09	−0·09	0	Bhuj.
3	4					9	11	4	S 80° W		19·5*			66		63		·717		0		0			0			0			0	Jamnagar.
1					1	15	9	5	S 71° W		18·0†			79		77		·877		1·7		0			0			0			0	Dwarka.
	2					15	4	10	S 86° W	N 89° W	9·9†	14·4	−4·5	72	−10	54	−17	·636	−·189	0·9	−0·7	0	0·60	−0·60	0	0·22	−0·22	0	0·22	−0·22	0	Rajkot.
1	3					3	18	6	N 78° W	N 89°W	14·6	9·4	+5·2	79	+ 3	77	− 4	·846	−·060	0·9	−3·1	0	0·10	−0·10	0	0·02	−0·02	0	0·02	−0·02	0	Veraval.
	1					14	3	13	N 89° W	S 62° W	10·3	14·1	−3·8	71	−10	72	+ 6	·888	+·050	2·3	−1·4	0	0·40	−0·40	0	0·10	−0·10	0	0·10	−0·10	0	Bhavnagari.
9	6	2	1		5	8	5		S 69° W	S 54° W	7·8	11·1	−3·3	27	−41	68	0	·829	−·018	1·7	−1·7	0	0·30	−0·30	0	0·13	−0·13	0	0·13	−0·13	0	Para. Surat.
	5	1		1	1	13	5	5	S 85° W	S 81° W	7·0	7·0	0	53	−10	52	− 7	·631	−·123	3·2	+0·5	0	0·50	−0·50	0	0·01	−0·01	0	0·01	−0·01	0	Ahmedabad.
	3	2	2	2	2	2	8	10	N 60° W	N 81° W	8·8†	10·1	−1·3	43	− 4	72	− 1	·829	−·050	2·7	−1·4	0	0·70	−0·70	0	0·71	−0·71	0	0·71	−0·71	0	Bombay.
5	11	9	2	2				2	N 26° E	N 48° W	12·4	9·7	+2·5	62	+ 5	67	− 2	·791	−·048	2·7	−0·8	0	1·50	−1·50	0	1·45	−1·45	0	1·45	−1·45	0	Ratnagiri.
	6	1	2		3	1	3	15	N 38° W	N 39° W	10·4†	7·9	+2·5	53	− 3	71	− 2	·946	−·023	4·8	+0·8	0			0	2·33	−2·33	0	2·33	−2·33	0	Goa.
2	14	3	1		1			10	N 18° W	N 28° W	10·5†	10·9	−0·4	76	+14	72	− 4	·873	−·037	4·3	−0·3	0			0	2·57	−2·57	0	2·57	−2·57	0	Mormugao.
3	2	18					3		N 34° E	N 30° W	2·4†	5·7	−3·3	59	− 4	87	+10	·938	+·089	2·0	−1·9	0	3·60	−3·60	0·02	3·28	−3·26	0·02	3·28	−3·26	0·02	Karwar.
	1	1			1		2	14	N 70° W	N 79° W	12·9	13·3	−0·4	76	− 4	39	−19	·486	−·252	0	−2·1	0	1·20	−1·20	0	0·73	−0·73	0	0·73	−0·73	0	Malegaon.
1	10							20	N 30° W	N 34° W	11·1	14·9	−3·8	92	+24	31	−29	·350	−·329	0·4	−1·7	0	1·80	−1·80	0	0·88	−0·88	0	0·88	−0·88	0	Ahmednagar.
9						2	20		S 86° W	N 80° W	12·6†	15·3	−2·7	9	−14	50	− 4	·506	−·042	0·3	−2·3	0	2·10	−2·10	0	1·33	−1·33	0	1·33	−1·33	0	Poona.
1	2	5		1			1	21	N 26° W	N 55° W	11·4	11·3	+0·1	76	0	43	− 2	·491	−·037	1·2	−1·9	0	2·00	−2·00	0	1·00	−1·00	0	1·00	−1·00	0	Sholapur.
	2	1				9	7	12	N 71° W	N 81° W	10·0	8·3	+1·7	69	− 8	55	− 9	·613	−·069	1·5	−1·7	0	3·30	−3·30	0	1·79	−1·79	0	1·79	−1·79	0	Bijapur.
22		1				2	6		S 84° W	N 67° W	9·6†	17·6	−8·0	23	−31	63	− 6	·571	−·046	2·6	−1·1	2	4·70	−2·70	0·47	2·49	−2·02	0·47	2·49	−2·02	0·33	Belgaum.
																																X.—Central India.
	5	3	1	1	3	8	7	3	S 89° W	S 84° W	10·0	12·0	−2·0	35	−34	36	−14	·422	−·216	0·2	−0·7	2	1·00	+1·00	0·90	0·45	+0·45	0·90	0·45	+0·45	0·55	Neemuch.
2	5	3				1	11	9	N 51° W	N 71° W	7·8	6·3	+1·5	66	− 9	41	− 9	·481	−·139	1·0	−0·1	0	1·20	−1·20	0	0·59	−0·59	0	0·59	−0·59	0	Indore.
5	1		1		2	1	17	4	N 87° W	N 82° W	3·7	3·7	0	66	+12	37	+ 3	·470	−·020	2·3	+0·9	1	0·90	+0·10	0·23	0·33	−0·10	0·23	0·33	−0·10	0·16	Nowgong.
17			1	1		3	7	2	S 81° W	N 73° W	3·2	8·1	−4·9	30	−14	27	− 2	·370	−·058	1·6	+0·6	1	1·10	−0·10	0·13	0·38	−0·25	0·13	0·38	−0·25	0·10	Sutna.
																																XI.—Central Provinces.
																8 hrs.	data	not available.														Buldana.
1	1						12	17	N 62° W	N 68° W	9·9	9·6	+0·3	86	0	38	0	·508	−·011	0·4	−1·5	0	0·80	−0·80	0	0·43	−0·43	0	0·43	−0·43	0	Akola.
	3	1	1		1	4	12	9	N 72° W	N 77°W	7·9	6·9	+1·0	66	− 2	52	+13	·720	+·178	0·3	−1·8	0	1·50	−1·50	0	0·63	−0·63	0	0·63	−0·63	0	Amraoti.
1		1		1			7	21	N 54° W	N 70° W	10·2	10·3	−0·1	82	− 4	38	− 5	·476	−·073	0·1	−1·0	0	0·80	−0·80	0	0·35	−0·35	0	0·35	−0·35	0	Khandwa.
7	1	2			2	10	7	2	S 69° W	S 66° W	4·3	4·1	+0·2	49	−13	31	−10	·396	−·157	0·8	−0·5	2	1·00	+1·00	0·80	0·55	+0·25	0·80	0·55	+0·25	0·51	Hoshangabad
1	2	2	1	3	1	6	12	3	S 82° W	S 85° W	6·8	5·3	+1·5	46	− 4	24	−12	·312	−·174	1·1	−0·1	1	1·00	0	0·23	0·50	−0·27	0·23	0·50	−0·27	0·10	Saugor.
1	1	1	2	2	4	4	10	6	S 79° W	S 78° W	3·4	4·3	−0·9	42	−11	34	+ 1	·401	−·063	0·7	−0·7	3	1·30	+1·70	0·93	0·55	+0·38	0·93	0·55	+0·38	0·35	Jubbulpore.
2	4	5	2	2	1	1	5	8	S 19° W	N 39° W	3·7	4·7	+1·0	37	− 1	32	− 1	·440	−·021	1·6	−0·2	1	1·90	−0·90	0·13	0·68	−0·55	0·13	0·68	−0·55	0·13	Seoni.
	5	6		2		1	6	11	N 31° W	N 48° W	6·2	8·0	−1·8	59	+12	26	− 8	·364	−·150	0·6	−2·1	0	1·40	−1·40	0·11	0·72	−0·61	0·11	0·72	−0·61	0·08	Nagpur.
12	2		1		2	4		10	N 64° W		5·9			33		32		·394		1·1		1			0·40			0·40			0·26	Pendra.
11	1	2	3	1	2	3	5	3	S 86° W	S 76° W	7·7	8·0	−0·3	13	−30	30	− 5	·416	−·096	0·4	−2·7	1	2·20	−1·20	0·11	0·94	−0·83	0·11	0·94	−0·83	0·11	Raipur.
3	2			4	2	1	7	11	S 76° W	S 84° W	4·8	4·2	−0·2	43	+20	27	− 9	·396	−1·42	1·4	−0·9	1	1·70	−0·70	0·11	0·74	−0·63	0·11	0·74	−0·63	0·10	Chanda.

† Uncorrected readings.

Table

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

Number of sub division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	XII.—Hyderabad.																						
28	Aurangabad	1,905	27·967‡		29·793‡	28·021	21st	27·920	31st	·101	85·8	103·1		74·2		88·7		28·9	106·2	15th	69·7	25th	36·5
	Nizamabad	1,260	28·557†		29·750†	28·626	21st	28·490	27th	·136	88·3	104·7		77·0		90·9		27·7	108·9	28th & 29th.	70·2	6th	38·7
	Bidar	*2,165*	27·704		29·774	27·895	25th	27·631	30th	·264	86·4	99·9		77·4		88·7		22·5	102·3	24th & 31st.	74·7	11th	27·6
29	Gulbarga	1,503	28·335	+·015	29·771	28·407	18th	28·283	27th	·124	85·3	101·6	−0·2	75·7	−2·8	90·2	−1·5	28·9	107·0	28th & 31st.	71·8	13th	35·2
	Raichur	*1,311*	28·522*	+·019*	29·769*	28·595	19th	28·457	26th	·138	86·0	102·5	+0·1	77·6	−1·9	90·4	−0·9	25·9	106·0	28th	72·1	31st	33·9
	Hyderabad (Dn.)	1,690	28·132	+·022	29·747	28·199	13th	28·065	27th	·131	85·6	102·1	−1·7	78·4	−0·2	90·3	−1·0	23·7	105·3	16th & 28th.	70·2	5th	35·1
	Hanumkonda	871	28·905		29·707	28·993	13th	28·825	31st	·168	88·9	104·8		81·6		93·1		23·2	108·7	24th & 27th.	73·3	5th	35·4
	XIII—Mysore.																						
30	Chitaldroog	2,405	27·498	+·022	29·824	27·570	19th	27·439	30th	·131	78·2	95·5	+1·8	72·1	+1·1	83·8	+1·5	23·4	97·2	8 dyas	68·9	11th & 12th.	28·3
	Hassan	3,091	26·869	+·024	29·852	26·943	18th	26·794	31st	·149	76·0	90·9	+3·3	66·5	−0·1	78·7	+1·6	24·4	94·2	6th	60·4	11th	33·8
	Bangalore	3,021	26·914	+·018	29·833	26·978	18th	26·851	31st	·127	75·1	91·9	+0·6	67·9	−1·2	79·9	−0·3	24·0	96·8	28th	64·8	7th	32·0
	Mysore	2,518	27·412	+·017	29·857	27·488	18th	27·352	27th & 31st.	·136	76·3	92·7	+0·6	69·4	−0·2	81·1	+0·2	23·3	97·5	5th	66·0	11th	31·5
	XIV.—Madras.																						
31	Mangalore	65	29·840*	+·024*	29·837*	29·919	18th	29·770	31st	·149	83·7	90·0	−0·3	79·0	+0·2	84·5	−0·1	11·0	92·7	26th	74·9	20th	17·8
	Calicut	27	29·874	+·020	29·830	29·953	18th	29·809	30th	·144	83·1	90·9	+0·5	78·5	+0·5	84·7	+0·5	12·4	92·8	28th & 29th.	74·2	16th	18·6
	Cochin	9	29·898	+·023	29·835	29·963	18th & 19th.	29·841	5th	·122	82·9	90·8*	+1·2*	77·1	−0·5	83·9*	+0·4	13·7	93·3	6th	73·7	4 days	19·6
	Trivandrum	198	29·701	+·014	29·830	29·792	19th	29·637	4th	·155	81·5	87·1	+0·8	78·0	−0·5	82·6	+0·2	9·1	89·0	22nd	75·0	1st & 2nd.	14·0
32	Tinnevelly	168	29·695	+·013	29·794	29·779	19th	29·595	4th	·184	87·4	102·9	+2·5	79·3	−1·4	91·1	+0·6	23·6	105·3	28th	73·4	15th	31·9
	Pamban	37	29·815	+·010	29·778	29·893	18th	29·715	4th	·178	85·4	91·6	+3·6	81·5	+3·3	86·6	+3·5	10·1	93·8	16th	77·2	1st	16·6
	Madura	447	29·413	+·029	29·790	29·488	18th & 19th.	29·308	4th	·180	84·8	99·5	−0·6	77·6	+0·1	88·6	−0·3	21·9	103·5	4th	68·6	5th	34·9
	Periyakulam	944	28·917		29·799	28·982	18th	28·836	4th	·146	80·9	96·3		73·0		82·7		23·3	99·2	4th	66·8	21st	32·4
	Pudukkottai	318	29·536		29·784	29·595		29·441	4th	·154	84·9	100·9		77·8		89·4		23·1	104·8	25th	70·4	13th	34·4
	Negapatam	31	29·808*	+·014*	29·768*	29·866	18th	29·721	4th	·145	86·6	99·1	+1·8	80·7	+3·7	89·9	+2·8	18·4	104·9	4th & 24th.	74·0	1st	30·9
	Trichinopoly	255	28·594	+·016	29·780	28·657	18th	28·505	4th	·152	86·2	102·4	+0·6	78·8	+0·1	90·5	+0·4	23·6	106·7	4th	71·4	13th	35·3
	Coimbatore	1,348	28·521	+·015	29·817	28·575	19th	28·462	27th	·113	78·8	93·9	−1·1	73·0	−0·4	83·5	−0·8	20·9	99·4	7th	67·3	19th	32·1
	Salem	940	28·944	+·015	29·819	29·012	18th	28·887	4th	·125	84·1	101·1	+1·9	76·7	+0·8	89·2	+1·4	24·4	104·2	26th	74·4	1st & 4th.	29·8
	Cuddalore	37	29·783	+·013	29·749	29·855	18th	29·692	4th	·163	85·9 ‡‡	100·3 ††	−1·5	79·7	−0·4	90·0 †††	−1·0	20·6	106·6	25th	73·7	1st	32·9
	Vellore	707	29·132		29·774	29·201	18th	29·050	27th	·151	85·3	83·5		77·5*		79·5		6·0	84·9	3rd	71·7	7th	13·2
	Madras	22	29·791	+·007	29·743	29·857	13th	29·698	27th	·159	88·4	102·2	−3·7	81·2	+0·1	91·7	−1·8	21·0	109·0	25th	76·5	1st & 10th,	32·5
33	Cuddapah	433	29·396	+·018	29·760	29·468	20th	29·324	27th	·144	90·9	107·1	+0·8	82·7	−0·8	95·0	0	24·4	110·8	22nd & 23rd,	73·8	9th	37·0
	Bellary	1,475	28·379	+·028	29·788	28·461	18th	28·322	30th	·139	84·4	104·1	+1·7	77·8	+0·3	90·9	+1·0	26·3	106·0	5 days	74·2	7th & 15th.	31·8
	Kurnool	923	28·896	+·008	29·752	28·963	18th	28·828	4th	·135	86·5	105·5	+0·7	80·6	−0·4	93·1	+0·2	24·9	108·3	22nd & 23rd,	75·7	4th & 5th.	32·6
34	Nellore	61	29·728	+·015	29·722	29·815	12th	29·633	27th	·182	88·9	106·0	0	80·7	−1·8	93·4	−0·9	25·3	111·3	23rd & 24th,	75·1	10th	36·2
	Masulipatam	15	29·779	+·023	29·728	29·881	13th	29·677	26th	·204	89·3	100·3	+0·2	80·9	−0·7	90·6	−0·3	19·4	114·7	27th	73·6	1st	41·1
	Cocanada	26	29·765	+·016	29·727	29·857	7th	29·641	25th	·216	87·1	98·9	−1·8	80·3	−2·5	89·6	−2·2	18·6	110·5	26th	70·5	24th	40·0
	Waltair (Vizagapatam).	*296*	29·541	+·004	29·706	29·630	7th	29·420	25th	·210	86·0	91·4	P	80·5	P	86·0	P	10·9	95·9	25th	76·9	14th	19·0
	Calingapatam	19	29·747		29·706	29·842	13th	29·614	31st	·228													
	Gopalpur	72	29·696	+·045	29·710	29·803	6th	29·559	31st	·244	84·3	90·6	+0·7	79·0	−1·5	84·8	−0·4	11·6	102·7	5th	71·5	20th	31·2

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

* Mean of 30 days.
† ,, 26 ,,
‡ ,, 28 ,,
†† ,, 4 ,,

B—*continued.*

stations, in India, etc., in May, 1907—continued.

Wind Direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind Velocity. Mean velocity in miles per hour.	Normal.	Departure from normal.	Wind Steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st to 31st May, 1907.	Normal rainfall for period 1st to 31st May.	Departure from normal of period, 1st to 31st May, 1907.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																XII—Hyderabad.
1	7		1	1		1	12	8	N 56° W		16·0			66		38		·462		0·4		0	1·60	−1·60	0	0·74	−0·74	0	0·74	−0·74	0	Aurangabad.
1	2					4	3	21	N 56° W		5·9‖			82		45		·606		0·6		0	1·20	−1·20	0	0·39	−0·39	0	0·39	−0·39	0	Nizamabad.
	5	4	1	1	2	8	5	5	N 73° W		7·6‖			33		41		·519		2·1		0	2·50	−2·50	0	1·00	−1·00	0	1·00	−1·00	0	Bidar.
2	8	1	1		1	1	3	14	N 36° W	N 44° W	9·9	12·5	−2·6	69	+ 8	60	+ 5	·727	+·080	0·2	−3·2	0	2·50	−2·50	0	1·16	−1·16	0	1·16	−1·16	0	Gulbarga.
		2				6	19	4	W	N 83° W	9·4	11·5	−2·1	79	+10	45	− 9	·564	−·078	1·1	−2·2	0	1·80	−1·80	0	0·72	−0·72	0	0·72	−0·72	0	Raichur.
15							7	9	N 65° W	S 82° W	3·7	6·4	−2·7	46	−14	38	−14	·445	−·173	2·0	−0·9	0			0	0·99	−0·99	0	0·99	−0·99	0	Hyderabad (Dn.)
4	4		1	6	2	1	1	12	S 42° W		8·7¶			27		37		·476		1·8		0	1·00	−1·00	0·02			0·02			0·02	Hanumkonda
																																XIII—Mysore.
						1	11	16	3	S 76° W	S 81° W	6·9	9·0	−2·1	89	+ 6	67	− 3	·642	−·022	1·5	−4·0	0	4·60	−4·60	0·09	3·74	−3·65	0·09	3·74	−3·65	0·04	Chitaldroog.
6						1	3	12	9	N 82° W	N 80° W	2·6	4·0	−1·4	66	−12	75	0	·671	+·032	3·5	−1·8	4	7·80	−3·80	2·97	5·17	−2·20	2·97	5·17	−2·20	1·20	Hassan.
					1	1	6	21	2	S 61° W	S 75° W	7·4	6·3	+1·1	86	+ 3	73	− 3	·636	−·032	2·5	−2·2	5	6·50	−1·50	1·92	4·22	−2·30	1·92	4·22	−2·30	0·84	Bangalore.
1	1					2	11	13	3	S 74° W	S 74° W	9·2	10·2	−1·0	79	+ 3	75	+ 1	·673	+·006	6·3	+1·3	6	8·30	−2·30	2·79	3·37	−0·58	2·79	3·37	−0·58	0·87	Mysore.
																																XIV—Madras.
11	1	6	10					3	N 51° E	N 18° E	4·3‖	3·8	+0·5	43	+18	76	− 2	·883	+·007	4·6	−1·8	3	6·90	−3·90	0·73	6·66	−5·93	0·73	6·66	−5·93	0·36	Mangalore.
7	5	5	5	2	1			6	N 29° E	N 15° W	8·8	11·2	−2·4	40	0	79	0	·895	+·015	5·5	+0·1	7	9·00	−2·00	3·43	7·78	−4·35	3·43	7·78	−4·35	1·75	Calicut.
1		10	11	7	2				N 90° E	N 29° E	7·0‖	6·2	+0·8	74	+27	78	− 4	·891	−·006	5·2	−0·5	8	12·90	−4·90	6·19	12·39	−6·20	6·19	12·39	−6·20	1·83	Cochin.
10	8	1	1			1		10	N 22° W	N 16° W	6·2‖	7·1	−0·9	53	−15	79	− 2	·854	−·017	5·6	−0·6	8	10·20	−2·20	4·84	9·05	−4·21	4·84	9·05	−4·21	1·75	Trivandrum.
3		1	2	1	2	6	8	8	S 88° W	N 75° W	4·5	5·6	−1·1	46	− 2	77	+16	·996	+·202	4·6	−0·3	3	3·30	−0·30	2·09	1·37	+0·72	2·09	1·37	+0·72	1·43	Tinnevelly.
5	2	1			3	15	4	1	S 55° W	S 22° W	16·2	11·7	+4·5	59	−14	78		·964		3·2		2	1·20	+0·80	1·04	0·55	+0·49	1·04	0·55	+0·49	0·63	Pamban.
1		2	1		1	4	12	10	N 72° W	N 38° W	6·8	6·2	+0·6	62	+ 5	71	+ 5	·842	+·028	4·3	+0·3	5	4·20	+0·80	1·45	2·65	−1·20	1·45	2·65	−1·20	0·56	Madura.
18	5	3	1	2		1		1	N 27° E		3·0			23		68		·713		3·1		7	5·10	+1·90	5·01	2·73	+2·28	5·01	2·73	+2·28	1·74	Periyakulam.
	2				2	11	5	11	W		9·7*			66		69		·836		5·1		4			3·01			3·01			1·57	Pudukkottai.
		1		1	2	16	6	5	S 63° W	S 46° W	9·3	7·9	+1·4	69	− 3	67	− 1	·853	−·022	2·2	−1·9	1	2·10	−1·10	0·54	1·61	−1·07	0·54	1·61	−1·07	0·50	Negapatam.
7					2	12	10		S 61° W	S 76° W	3·6‖	6·1	−2·5	66	− 9	69	+ 5	·939	+·158	4·6	+0·2	4	3·50	+0·50	1·60	2·94	+1·66	1·60	2·94	+1·66	2·66	Trichinopoly.
5		1	1		4	18	2		S 39° W	S 22° W	5·0	4·5	+0·5	66	− 2	82	+ 2	·815	−·002	4·1	−0·2	5	4·70	+0·30	2·11	2·28	−0·17	2·11	2·28	−0·17	1·00	Coimbatore.
1			1		4	12	11	2	S 44° W	S 48° W	5·1	4·1	+1·0	72	+22	79	+ 8	·941	+·129	5·6	+1·4	6	7·10	−1·10	1·58	5·01	−3·43	1·58	5·01	−3·43	0·61	Salem.
		1		1	10	13	4	2	S 36° W	S 47° W	7·2	2·9	+4·3	72	+ 4	66	− 7	·851	−·093†	3·1	−1·1	2	1·20	+0·80	0·51	0·28	+0·23	0·51	0·28	+0·23	0·24	Cuddalore.
8		2	2	13		1	3	2	S 49° E		4·0			33		63‡‡		·775‡‡		1·7		3	4·40	−1·40	0·81	3·02	−2·21	0·81	3·02	−2·21	0·35	Vellore.
1					13	8	8	1	S 39° W	S 41° W	7·5‖	9·1	−1·6	72	0	63	− 1	·830	−·034	2·9	−1·2	0	2·30	−2·30	0	0·90	−0·90	0	0·90	−0·90	0	Madras.
				2	1	3	20	5	S 88° W	N 89° W				79	+18	49	− 4	·703	−·036	2·5	−1·1	0	2·50	−2·50	0	1·80	−1·80	0	1·80	−1·80	0	Cuddapah.
3		1	1				14	12	N 68° W	N 74° W	6·7	8·5	−1·8	76	+11	46	− 7	·544	−·082	1·5	−3·2	0	3·20	−3·20	0·08	1·98	−1·90	0·08	1·98	−1·90	0·08	Bellary.
2	2	1			4	5	5	12	N 74° W	N 84° W	9·4‖			53	+17	60	+ 8	·750	+·079	1·5	−1·9	0	2·90	−2·90	0·02	0·96	−0·93	0·02	0·95	−0·93	0·02	Kurnool.
			1	3	9	5	10	3	S 45° W	S 69° W	7·5‖	8·8	−1·3	59	+27	62	− 1	·793	−·089	2·3	−1·9	0	1·60	−1·60	0	0·39	−0·39	0	0·39	−0·39	0	Nellore.
16				2	5	3	3	2	S 36° W	S 38° W	7·1	8·9	−1·8	20	−11	77	+ 1	1·049	+·004	1·9	−3·2	0	1·90	−1·90	0·07	1·27	−1·20	0·07	1·27	−1·20	0·07	Masulipatam
6		3	2	1	2	13	4	1	S 45° W	S 56° W	6·5	8·1	−1·6	46	− 8	78	+ 8	1·020	+·099	4·5	−0·5	3	2·80	+0·20	1·85	0·93	+0·92	1·85	0·93	+0·92	1·04	Cocanada.
2						25	4		S 52° W	S 72° W	11·7			92	+ 9	70	− 5	·896	−·025	4·4	−1·5	3	3·40	−0·40	0·95	2·47	−1·52	0·95	2·47	−1·52	0·44	Waltair (Vizag.)
1	1			2	5	11	9	2	S 55° W		10·9			66						3·3‡‡		4			1·74			1·74			0·73	Calingapatam
5	2				9	11		4	S 42° W	S 30° W	14·6	17·5	−2·9	53	−15	77	− 7	·884	−·102	1·6	−3·8	4	3·30	+0·70	2·29	2·10	+0·19	2·29	2·10	+0·19	0·75	Gopalpur.

‖ Uncorrected readings.

¶ Mean of 29 days.
‡‡ ,, 19 ,,

Table

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

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	Stations in the Bay.																						
1	P. V. Fraser†† .	*8*	29·806*		29·731*	29·877	13th	29·660	23rd	·217	83·8												
	Car Nicobar .	25	29·878		29·831	29·948	16th	29·810	4th & 5th.	·138	81·2	85·7		76·1		80·9		9·6	90·0	1st	71·5	19th	18·5
	Port Blair . .	61	29·803	+·011	29·795	29·881	18th	29·713	3rd	·168	79·9	85·9	−3·3	76·9	−1·5	81·4	−2·4	9·0	92·2	1st	74·0	25th & 26th.	18·2
	Slipper Island .	90	29·724		29·747	29·817	18th	29·628	3rd	·189	83·6	88·5		79·5		84·0		9·0	92·1	3rd & 11th.	76·1	6th & 25th.	16·0
	Kashmir.																						
14	Srinagar . .	5,204	24·858	+·010	24·829	24·995	13th	24·715	24th	·280	57·4	72·9	−4·0	49·1	−3·0	61·0	−3·5	23·8	85·2	24th	41·7	7th	43·5
	Gulmarg †† . .	*8,569*	21·848		21 816	21·912	26th	21·782	30th	·130	53·1	62·7		40·0		51·4		22·7	69·1	24th	36·2	21st & 28th.	32·9
	Sonemarg . .	*8,764*	21·814		21·782	21·907	13th	21·721	30th	·186	42·4	59·2		34·8		47·0		24·4	71·4	24th	26·1	5th	45·3
	Dras . . .	*10,059*	20·818§		20·786§	20·959	13th	20·645	1st	·314	44·0	59·1		33·2		46·2		25·9	73·4	25th	23·1	3rd	50·3
	Leh . .	11,503	19·712	−·015	19·680	19·881	13th	19·571	1st	·310	46·6	61·6	−2·4	35·5	−1·3	48·6	−1·9	26·1	71·6	25th	27·9	8th	43·7
	Skardu . .	*7,505*	22·850		22·820	23·019	13th	22·680	30th	·339	57·4	70·6		45·5		58·1		25·1	82·0	24th, 25th & 30th.	34·1	13th & 21st.	47·9
	Minimarg . .	*9,359*							Observations		not available.												
	Astor . . .	*7,955*							Ditto		ditto.												
	Gilgit . .	4,890	25·093		25·066	25·234	7th	24·868	30th	·366	66·9	80·0	−5·4	53·5	−3·3	69·3	−4·4	21·5	94·3	25th	45·7	2nd	48·6
	Baluchistan.																						
16	Quetta . .	5,502	24·610	+·026	24·570	24·691	6th	24·481	29th	·210	67·5	79·7	−3·8	49·0	−3·2	64·4	−3·5	30·7	90·6	30th	36·8	3rd	53·8
	Chaman . .	4,311	25·666	+·035	25·628	25·770	6th	25·489	29th	·281	70·1	86·1	−3·2	59·3	−6·6	72·7	−7·4	26·8	96·8	30th	44·3	1st	52·5
	Robat . . .	...	26·844		26·803	27·411	5th	26·607	20th	·804	75·8	87·9		70·7¶		79·1¶		17·2	111·5	17th	55·5	1st	56·0
	Hill Stations excluding Kashmir and Baluchistan.																						
	Chitral . .	*5,486*	25·136			25·290	6th & 13th,	24·960	25th	·330	63·2	79·2		52·0		65·6		27·2	92·2	25th	39·0	3rd	53·2
	Para Chinar .	6,000	24·**352		24·**319	24·472	6th	24·202	29th & 31st,	·270	65·5	77·2		52·5		64·9		24·7	86·7	30th	38·4	2nd	48·3
	Cherat . . .	*4,256*	25·650‡	+·032‡	25·618‡	25·716	10th	25·491	1st	·225	68·8	81·2	−8·4	62·9	−5·4	72·1	−6·9	18·3	91·6	25th	50·5	31st	41·1
	Murree . .	6,333	23·811	+·014	23·779	23·918	13th	23·661	1st	·257	64·5	71·9	−5·0	56·3	−3·2	64·1	−4·1	15·6	82·5	25th	45·5	2nd	37·0
	Kailang . .	*10,087*	20·957¶		20·912¶	21·075	13th	20·893	30th	·182	45·5†	60·1†	−2·8†	37·3†	−1·5†	48·7	−2·2	22·8	71·2	24th	31·1	9th	40·1
	Simla , . .	7,224	23·073	+·001	23·035	23·168	13th	22·962	30th	·206	61·6	69·7	−3·4	56·0	−2·6	62·9	−3·0	13·7	79·4	26th	48·0	4th	31·4
	Sarain †† . .	...	23·150			23·222	13th	23·082	4th & 5th.	·140	59·4	68·6		45·7		57·2		22·8	75·0	16th	41·9	10th	33·1
	Kalabagh . .	...							Observations		not received.												
	Chakrata . .	7,022	23·250	+·004	23·210	23·340	13th	23·126	30th	·214	62·1	70·9	−3·4	55·1	−1·5	63·0	−2·5	15·8	75·8	16th	48·7	19th	27·1
	Muktesar . .	7,556	22·846		22·805	22·936	13th	22·724	30th	·212	59·8	70·8		53·7		62·3		17·1	78·5	16th	47·9	19th, 28th & 29th.	30·6
	Darjeeling . .	7,376	22·974	−·007	22·929	23·047	12th	22·840	31st	·207	57·5	64·1§	+0·3§	52·0	−0·6	58·0§	−0·2§	12·1	68·2	11th & 18th.	44·9	14th	23·3
	Shillong . .	4,920	25·062		25·014	25·155	12th	24·915	31st	·240	66·6	73·9		58·3		66·1		15·6	80·4	10th	51·7	2nd	28·7
	Cherra Poonjee .	4,309	25·624		25·575	25·726	13th	25·482	31st	·244	66·3	72·7		61·0		66·9		11·7	76·7	10th	42·3	30th	34·4
	Maymyo . .	3,545	26·379		26·324	26·484	13th	26·262	31st	·222	72·2	81·2		65·7		73·5		15·5	88·9	10th	61·6	7th	27·3
	Pachmarhi . .	3,528	26·396	+·029	26·343	26·468	13th	26·317	31st	·151	81·3	93·8	−1·3	71·4	−4·0	82·6	−2·7	22·4	96·7	16th	60·7	5th	36·0
	Mount Abu . .	3,945	26·006	+·026	25·956	26·099	13th	25·900	30th	·199	76·3	85·6	−2·6	69·2	−1·9	77·4	−2·3	16·4	90·2	17th	61·4	19th	28·8
	Mercara . .	3,781	26·220	+·021	26·153	26·288	18th	26·164	4th	·124	69·3	80·3	0	64·6	−0·3	72·5	−0·2	15·7	87·0	9th	61·6	11th	25·4
	Ootacamund .	*7,399*	23·057		22·993	23·098	18th & 19th.	23·001	30th	·097	63·0	69·7		52·8		61·2		16·9	72·5	25th, 27th & 28th.	50·2	1st & 24th.	22·3
	Kodaikanal . .	7,688	22·847		22·782	22·904	18th	22·807	4th	·097	61·8	70·1		54·4		60·4		15·7	74·3	27th	50·2	16th	24·1

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

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

†† Observations of 11 days. * Mean of 15 days. ‡ Mean of 11 days. § Mean of 30 days.

†† " " 23 " † " " 23 " ** " " 28 " †† Observation of 21 days.

B—*continued.*

***stations, in India, etc., in May, 1907*—continued.**

Wind Direction. Number of winds from Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind Velocity. Mean velocity in miles per hour.	Normal.	Departure from normal.	Wind Steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st to 31st May, 1907.	Normal rainfall for period, 1st to 31st May.	Departure from normal of period, 1st to 31st May, 1907.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																Stations in the Bay.
		1			5	12	4	1	S 47° W					74		83		·961		9·1		3			0·64			0·64			0·26	P. V. Fraser.
1					1	21	1		S 45° W		3·7			92		88		·933		9·9		20			16·00			16·00			3·93	Car Nicobar.
3	1	1	1	1	2	9	10	3	S 72° W	S 73° W	(c) 8·3	7·4	+1·4	53	− 8	87	0	·884	−·082	7·8	+0·9	25			24·27	17·09	+7·18	24·27	17·09	+ 7·18	2·87	Port Blair.
	2	1	2	2	4	7	9	4	S 69° W		18·2			46		81		·933		7·3		10			2·30			2·30			0·38	Slipper Island.
																																Kashmir.
5		2		11	3	2		3	S 23° E	S 49° E	4·8	4·3	+0·5	49	+13	85	+ 4	·408	−·029	2·8	−0·6	5	5·80	−0·80	1·58	2·60	−1·02	1·58	2·60	− 1·02	0·44	Srinagar.
3		5		1		1		1	N 45° E		(b) 5·9			36		83		·345		4·5		3			1·21			1·21			0·44	Gulmarg.
17	2	4	3		1	2		2	N 39° E		3·2			17		85		·222		3·2		8			4·94			4·94			2·04	Sonemarg.
25		1			1		3	1	N 82° W		4·7			10		69		·203		3·1		4	6·20	−2·20	1·94	2·82	−0·88	1·94	2·82	− 0·88	0·65	Dras.
28					2		1		S 27° W	S 44° W	(c) 2·5	3·2	−0·7	7	−38	41	− 4	·127	−·014	4·8	+0·1	0	0·90	−0·90	0·08	0·22	−0·14	0·08	0·22	− 0·14	0·07	Leh.
22		1		1		6		1	S 45° W		10·1			20		48		·227		5·1		2	1·90	+0·10	1·34	1·04	+0·30	1·34	1·04	+ 0·30	0·73	Skardu.
																	Observations not available.															Minimarg.
																	Ditto			Ditto.												Astor.
29		1				1			(a)		1·8			(a)		48	+ 4	·296	−·015	5·1	+1·0	2	1·70	+0·30	0·76	0·57	+0·19	0·76	0·57	+0·19	0·53	Gilgit.
																																Baluchistan.
28	2							1	N 15° W	N 80° W	2·6	3·3	−0·7	10	+ 6	33	−12	·235	−·106	0·5	−0·5	0	1·10	−1·10	0	0·40	−0·40	0	0·40	− 0·40	0	Quetta.
1	2	4	9	10	4	1			S 74° E	S 32° W	10·8	7·6	+3·2	62	+16	40	+10	·323	+·017	0·7	+0·1	0	0·10	−0·10	0	0·05	−0·05	0	0·05	− 0·05	0	Chaman.
14		7	7	2			1		N 74° E		(c) 6·2			43		58		·515		0·4		0			0			0			0	Robat.
																																Hill Stations exclusive Kashmir and Baluchistan.
29				1				1	(a)		3·3			(a)		62		·358		1·1		3			1·73			1·73			0·63	Chitral.
30	1								N		5·7			3		45		·292		1·6		7	6·50	+0·50	2·55	2·02	+0·53	2·55	2·02	+ 0·53	0·90	Para Chinar.
1	15	1		1	4	2		7	N 19° W	N 6° W	11·2	12·1	−0·9	53	+ 6	38	+ 4	·269	−·025	1·2	−1·0	2			0·88	1·21	−0·33	0·88	1·21	− 0·33	0·45	Cherat.
10	12	1	1	1	3	1		2	N 2° E	N 7° E	7·2	8·0	−0·8	31	+16	40	+ 1	·246	−·011	0·8	−2·0	6	6·30	−0·30	1·99	2·97	−0·98	1·99	2·97	− 0·98	0·84	Murree.
		1	1	3	2	11	12		S 56° W		1·38§	2·2	−0·9	62		62†		·190†		3·4		6			1·34	2·58	−1·24	1·34	2·58	− 1·24	0·43	Kailang.
2	14	1		1	12			1	N 15° E	N 37° E	5·6	6·0	−0·4	11	−12	43	− 2	·235	−·032	1·1	−1·7	4	5·20	−1·20	1·15	3·06	−1·91	1·15	3·06	− 1·91	0·44	Simla.
15	1	2	1			1	1		N 27° E		3·3§			10		42		·215		1·4		2			1·08			1·08			0·76	Sarain.
																	Observations not received.															Kalabagh.
20	5			1	4			1	N	N 21° E	6·4	7·8	−1·4	3	− 7	67**	+20	·373**	+·093	1·7	−0·2	4	5·90	−1·90	1·51	2·43	−0·92	1·51	2·43	− 0·92	0·42	Chakrata.
16		2	2	1			10		N 83° W		9·2			20		49		·244		3·0		8			2·02			2·02			0·51	Muktesar.
10	4	4	2	2	1	4	2	2	N	S 59° W	5·0	6·8	−1·8	10	− 1	88	− 2	·417	−·012	6·8	+0·1	11	13·43	−2·43	8·09	8·78	−0·69	8·09	8·78	− 0·69	2·26	Darjeeling.
25					5	1			S 7° W		5·9			20		69		·446		5·1		16	17·80	−1·80	7·57	10·15	−2·58	7·57	10·15	− 2·58	1·52	Shillong.
5		5	8		1	6	5	1	S 34° E		6·0			7		85		·554		6·5		19	21·10	−2·10	15·73	49·93	−34·20	15·73	49·93	−34·20	2·43	Cherra Poonjee.
21						10			S 45° W		(c) 2·2			33		87**		·689**		5·6		12	12·80	−0·80	7·69	10·40	−2·71	7·69	10·40	− 2·71	2·58	Maymyo.
2	2	2	1	2		5	5	12	S 62° W	N 81° W	8·3	7·5	+0·8	46	−17	28	− 9	·292	−·115	0·5	−1·5	0	1·30	−1·30	0	0·50	−0·50	0	0·50	− 0·50	0	Pachmarhi.
1	6	3		1	1	14	3	2	S 80° W	S 72° W	10·9	10·8	+0·1	37	−31	40	0	·357	−·003	0·1	−0·7	1	1·30	−0·30	0·21	0·99	−0·78	0·21	0·99	− 0·78	0·21	Mount Abu.
4	8				2	1	7	14	N 60° W	N 45° W	3·0	5·2	−2·3	66	+ 1	88	+ 3	·630	+·019	5·7	−0·4	3	9·00	−6·00	1·62	5·78	−4·16	1·62	5·78	− 4·16	0·89	Mercara.
4	1	10	9	5				2	N 72° E		4·7			62		58		·333		4·1		3	9·70	−0·70	3·39	5·93	−2·54	3·39	5·93	−2·54	0·54	Ootacamund.
	11	4	6	1	1	1	1	6	N 14° E		(c) 11·8			56		61		·139		3·1		9	9·30	−0·30	5·37	6·47	−1·10	5·37	6·47	− 1·10	1·00	Kodaikanal.

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

(a) Intermediate.

¶ Mean of 29 days.

(b) Mean of 10 days.

(c) Uncorrected readings.

§ Mean of 20 days.

Table

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

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level in feet.	Pressure 8 hrs. in inches.								Temperature of air.											
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	XIII.—Extra India.																						
	Singapore (*a*)	10	29·941			30·061	18th	29·883	4th	·178	84·6	88·4		74·1		81·3		14·3	91·0	11th	71·8	13th	19·2
	Penang (*a*)	20	29·907			29·958	21st	29·883	10th	·075	83·0	91·2		74·6		82·9		16·6	98·0	12th	72·0	9th & 26th.	26·0
	Trincomalee	12	29·862	+·050	29·800	29·955	18th	29·766	4th	·189	82·2	93·1	+0·1	78·2	−3·5	85·7	−1·7	14·9	96·0	14th	74·0	28th	22·0
	Colombo	40	29·884	+·008	29·830	29·949	18th	29·770	4th	·179	81·6	87·9	−0·1	78·3	−0·1	83·1	−0·1	9·6	90·5	4th & 5th	73·5	5th	17·0
	Minicoy	7	29·914		29·847	30·011	19th	29·816	30th	·195	84·5	90·2	+1·6						92·5	11th			
	Amini Divi	*18*	29·898	+·017	29·839	29·981	16th & 18th.	29·818	31st	·163	85·5	91·9	+1·7	80·0	−0·6	85·9	+0·6	11·9	95·5	27th	75·0	16th	20·5
	Gyantse	13,120	18·500			18·581	14th & 16th.	18·415	30th	·166	45·9	65·6		32·9		49·2		32·7	75·3	7th	22·5	16th	52·8
	Pharijong	14,400	17·868			17·956	17th	17·695	30th	·261	36·7	47·1		26·6		36·9		20·5	55·9	4th	12·1	12th	43·8
	Gangtok	5,660†	24·403			24·541	10th	24·219	30th	·322	63·0	72·0		54·6		63·3		17·4	75·2	13th & 17th.	48·3	12th	26·9
	Gartok	15,100†									O	bserv	atory	not o	pened.								
	Kashgar (*c*)	4,255	25·525			25·680	7th & 25th.	25·260	31st	·420	66·5	78·8	−2·0	57·5	−0·6	68·1	−1·3	21·3	85·3	18th	47·5	9th	47·8
	Kabul		24·246**		24·215**	24·352	13th	24·078	29th	·274	65·8	79·0	−3·5	50·0	−3·2	64·5	−3·4	29·0	88·1	16th & 28th.	37·2	2nd	50·9
	Meshed†	3,104	27·165			27·750	1st & 22rd.	27·250	27th	·500	65·9	72·1		53·7	−3·5	63·0		18·4	81·0	29th	43·4	1st	37·6
	Jask	13	29·806	+·055	29·776	30·049	1st	29·589	30th	·460	84·7	92·0	−0·4	77·8	−0·5	84·9	−0·5	14·2	99·3	24th	69·3	3rd	30·0
	Muscat	20	29·810	+·076	29·778	30·004	1st	29·621	31st	·383	89·1	97·6	+6·1	84·4	−1·5	91·0	+2·3	13·2	109·2	29th	76·1	5th	33·1
	Bahrein	18	29·865		29·836	30·039	2nd	29·719	30th	·320	87·2	94·0		77·9		85·0		14·1	108·8	28th	65·8	1st	43·0
	Bushire	14	29·817	+·050	29·790	29·979	7th	29·645	30th	·334	82·9	91·9	+2·3	75·8	+0·7	83·9	+1·5	16·1	104·0	27th	66·6	3rd	37·4
	Busrah	25	29·851		29·836	29·998	2nd	29·708	31st	·290	80·1	92·3		71·1		81·7		21·2	97·4	17th & 27th.	60·1	1st	37·3
	Ispahan (*b*)	*5,817*	24·345‡			24·500	7th	24·210	29th, 20th & 31st.	·290	60·7	79·1	−5·0	54·3	+0·2	66·7	−2·4	24·8	87·4	10th & 28th.	41·2	1st	46·2
	Tehran (*b*) ¶	*4,002*	25·780			26·000	4th	25·650	2nd, 3rd & 28th.	·350	60·9	79·4	−4·5	52·0	− 8·1	65·7	−6·3	27·4	84·5	21st & 28th.	40·7	3rd & 4th.	43·8
	Baghdad	220	29·711	+·029	29·937	29.876	6th	29·626	27th	·250	75·9	91·2	−0·6	70·2	+ 2·3	80·7	+0·9	21·0	98·3	30th	60·0	1st	38·3
	Beirut				29·881						72·1	78·8		64·6		71·7		14·2	85·6	24th	60·2	17th	25·4
	Aden	94	29·820	+·052	29·844	29·919	7th	29·706	31st	·213	84·6	91·3	−1·9	80·3	−0·7	85·8	−1·3	11·0	95·8	1st	75·9	1st	19·9
	Perim	201	29·653	+·022	29·788	29·756	18th	29·593	31st	·163	85·4	89·5	−3·0	81·1	−0·8	85·4	−1·9	8·4	96·9	23rd	78·6	17th	18·3
	Zanzibar	72	29·996	−·012	29·995	30·074	17th	29·927	9th	·147	77·3	83·0	+0·6	75·5	−0·1	79·3	+0·3	7·5	87·0	8th	72·1	16th	14·9
	Do. Dungat††	*154*	29·895		29·976	29·960	16th	29·824	21st	·156	77·6	85·6							118·5	5th			

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

(*a*) 8 hrs. observations.
(*b*) Aneroid uncorrected.
(*c*) Aneroid corrected.

** Mean of 28 days.
† Observations „ 30 „
‡ Mean of 30 days.
‡‡ „ „ 25 „
¶ Observations of 15 days.
†† „ „ 27 „

B—*concluded.*

n India, etc., in May, 1907—concluded.

Wind direction. Number of winds from Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind velocity. Mean velocity in miles per hour.	Normal.	Departure from normal.	Wind steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st to 31st May 1907.	Normal rainfall for period, 1st to 31st May.	Departure from normal period, 1st to 31st May, 1907.	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.
2	4	4	5	5	6	1	1	3	S 80° E		3·7*			27						5·0		10			6·54			6·54			1·58	Singapore.
	8	3	10	4	1			5	N 48° E		9·8*			49						1·9		10			5·94			5·94			1·30	Penang.
2						29			S 45° W	S 45° W	4·6*	12·1	−7·5	92	−5	82	+4	·902	−·016	2·1	−0·4	2			3·20	2·46	+ 0·74	3·20	2·46	+ 0·74	2·09	Trincomalee.
		1		5	7	11	6	1	S 31° W	S 45° W	8·6*	9·2	−0·6	66	−12	86	+ 8	·934	+·020	6·3	0	10			5·80	11·12	− 5·32	5·80	11·12	− 5·32	1·19	Colombo.
		4		1		1	4	7	N 62° W	N 69° W	6·9‡	10·2	−3·3	69	− 7	75	− 3	·886	−·015	5·4	+0·1	6			2·95	6·40	− 3·45	2·95	6·40	− 3·45	1·33	Minicoy.
1	7	8				1	2	3	N 16° W					58		70		·866		6·2		3			1·80			1·80			1·00	Amini Divi.
					17	10	4		S 20° E		4·0			89		42		·130				1			0·12			0·12			0·12	Gyantse.
14					4	2	5	1	S 45° W		7·5			27		78		·168		3·2		0			0			0			0	Pharijong.
27		1					2		W		2·1			5		82		·473		1·3		20			21·88			21·88			3·33	Gangtok.
																		Obser	vatory n	ot o	pened.											Gartok.
22						1	4	4	N 76° W	N 50° W	5·1	4·5	+0·6	27	+14	44	0	·275	−·026	2·1	−1·1	0			0	0·88	− 0·88	0	0·88	− 0·88	0	Kashgar.
		4	4			3	13	7	N 60° W	N 34° W				66	+55	48		·314		1·4	+0·7	0			0	0·54	− 0·54	0	0·54	− 0·54	0	Kabul.
																65		·415		4·0	+1·5	8			2·26	0·74	+ 1·52	2·26	0·74	+ 1·52	0·48	Meshed.
8		1	6	1		3	1	11	N 32° W	N 60° E	10·8	11·0	−0·2	23	+17	62	− 6	·726	−·097	1·1	+0·4	0			0	0	0	0	0	0	0	Jask.
20				2			3	6	N 63° W	N 36° W	3·3	4·3	−1·0	23	−19	57	− 5	·762	−·056	1·3	+1·4	0			0	0	0	0	0	0	0	Muscat.
	1	3	2	1		1	10	13	N 54° W					56		60		·764		0		1			0·50			0·50			0·50	Bahrein.
	5	6	4	5	2	1	1	7	N 32° E	N 25° W	11·7	9·4	+2·3	33	−22	66	+ 6	·758	+·105	3·1	+1·7	0			0·02	0	+ 0·02	0·02	0	+ 0·02	0·02	Bushire.
8	18		2		3				N 10° E					49		69		·708		3·2		1			0·27			0·27			0·21	Busrah.
27		2	1				1		N 45° E	N 58° W	2·9	4·6	−1·7	3	−45	65	+ 4	·361	−·085	0·7	−1·0	1			0·54	0·11	+ 0·43	0·54	0·11	+ 0·43	0·49	Ispahan.
4	1	3	1			2	2	1	N 27° W	S 46° W	5·3(a)	3·6	+1·7	14	− 2	68	+28	·371	+·065	2·9	+0·7	3			1·10	0·33	+0·77	1·10	0·33	+ 0·77	0·39	Tehran.‖
16	6	1			1	1	1	5	N 29° W	N 1° E	4·2	4·0	+0·3	33	−12	60	+ 4	·541	+·034	2·4	+1·6	1			0·79	0·24	+ 0·55	0·79	0·24	+ 0·55	0·79	Baghdad.
2	1	2	2			17	4	3	S 63° W					53		71		·592		3·3		2			0·28			0·28			0·13	Beirut.
		27				4			N 45° E		15·1	11·2	+3·9	72	+33	75	− 4	·851	−·067	4·2	+1·2	0			0	0·19	− 0·19	0	0·19	− 0·19	0	Aden.
1		1	6	7	11	4	1		S 24° E	S 87° E	13·6**	13·8	−0·1	66	+41	87	− 1	·938	0	1·9	−1·7	0			0	0·37	− 0·37	0	0·37	−0·37	0	Perim.
1					17	13			S 19° W	S 59° E	7·7 ‡‡	8·1	−0·4	92	+ 5	90	+ 1	·814	+·007	5·7 ‡‡	−0·7	11			7·33	10·62	− 3·29	7·33	10·62	−3·29	2·35	Zanzibar.
					2	17	7	1	S 57° W	S 7° W	4·3			89				·849		7·9		12			9·53			9·53			2·29	Do. Dueps.

* Uncorrected reading. ‖ Wind observations of 14 days. (a) Mean of 13 days.

Table C.—Abstract of observations taken at 8 hrs. at 25 fourth class stations, in India, in May, 1907.

Table

Abstract of observations taken at 8 hrs.

Number of sub-division.	Station.	Temperature of air.												Wind direction.									
		Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.	Number of winds from								Resultant direction.	Normal direction.
															Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
	II.—Eastern Bengal and Assam.																							
4	Bishnath	72·6	87·5	...	67·1	...	77·3	...	20·4	94·6	26th	62·9	1st	31·7	...	...	...	...	...	...	...	...	...	...	...
	Borjuli	76·6	90·7	...	68·1	...	79·4	...	22·6	94·8	19th & 24th.	65·2	4 days	29·6	...	...	...	...	...		...	...	...	...	...
	Chandkhira	77·9	89·8	...	70·3	...	80·1	...	19·5	94·6	11th	66·5	14th	28·1	...	...	...	...	...	...	...	...	...	...	...
	Doom Dooma	72·3	93·0	...	63·8	...	78·4	...	29·2	101·1	7th	56·1	12th	45·0	...	...	.	...	...	...	...	...	...	...	...
	Dikom	73·9	85·8	...	69·6	...	77·7	...	16·2	93·8	28th	61·6	15th	32·2	...	...	...	...	...	...	...	...	...	...	...
	Golaghat	74·3	85·7	...	69·1	...	77·4	...	16·6	91·2	8th & 28th.	54·6	16th	36·6	...	...	...	...	...	...	...	...	...	...	...
	Hailakandi	77·9	90·2	...	71·9	...	81·0	...	18·3	93·8	6th	67·4	14th	26·4	...	...	...	...	...	...	...	...	...	...	...
	Jorehat	76·3	86·4	...	70·5	...	78·5	...	15·9	91·9	18th & 28th.	65·3	15th	26·6	...	...	...	...	...	...	...	...	...	...	...
	Messa	76·6	91·7	...	67·1	...	79·4	...	24·6	95·1	19th	62·8	3rd	32·3	...	...	...	...	...	...	...	...	...	...	...
	Panerihat	70·1	86·2	...	68·5	...	77·4	...	17·7	91·0	18th	64·0	1st	27·0	...	...	...	...	...	...	...	...	...	...	...
	Srimangal	79·0	91·6	...	72·1	...	81·9	...	19·5	97·0	11th	66·7	19th	30·3	...	...	...	...	...	...	...	...	...	...	...
	Tura*	81·4	86·7	...	71·6	...	79·2	...	15·1	93·6	5th	64·4	14th	29·2	...	3	3	...	3	6	15	1	...	S 27° W	...
5	Brahmanbaria	81·2	91·9	...	72·9	...	82·4	...	19·0	97·3	11th	65·0	21st	32·3	...	...	...	...	...	...	...	...	...	...	...
	Dam Dim	75·3	89·7	...	69·2	...	79·5	...	20·5	93·9	18th	62·9	14th	31·0	...	...	...	...	...	...	...	...	...	...	...
	Goalundo	81·7	92·4	...	72·7	...	82·6	...	19·7	102·0	9th	66·6	16th	35·4	...	...	...	...	...	...	...	...	...	...	...
	Kalchini	80·6	88·2	...	69·7	...	79·0	...	18·5	92·8	17th	64·9	14th	27·9	...	...	...	...	...	...	...	...	...	...	...
	Nagrakata	78·1	88·2	...	70·4	...	79·3	...	17·8	92·6	12th & 17th.	63·4	14th	29·2	...	...	...	...	...	...	...	...	...	...	...
	Pabna	80·9	96·5	...	72·4	...	84·5	...	24·1	105·4	9th	68 4	1st	37·0	...	...	...	...	...	...	...	...	...	...	...
	III.—Bengal.																							
6	Fraserganj	84·5																.		31				S	...
	XI.—Central Provinces.																							
24	Chhindwara								Observatory not opened.																
	Hill Stations.																							
	Panighatta	79·2	87·6	...	69·9	...	78·8	...	17·7	93·7	13th	61·9	14th	31·8	...	...	...	...	...	...	...	...	...	...	...
	Kurseong	66·4	72·5	...	60·5	...	66·5	...	12·0	77·7	13th	54·4	14th	23·3	...	...	...	...	...	...	...	...	...		...
	Poo	...	64·6	...	45·7	...	55·2	...	18·9	72·9	25th	39·1	11th	33·8	18	...	1	...	4	1	4	...	...	S 9° E	...
	Killa Drosh	61·6	77·7	...	56·5	...	67·1	...	21·2	90·7	25th	40·6	2nd	50·1	29	...	2	...	...	...	...	...	...	N 45° E	...
	Pishin	...	82·8	...	50·4	...	66·6	...	32·4	93·4	30th	38·6	3rd	54·8											
	Extra India.																							
	D'thala	79·6	86·1	...	58·6	...	72·4	...	27·5	90·9	31st	54·1	11th	36·8	...	2	13	6	8	2	...	...	...	N 86° E	...

* Observations of 10 hrs.

C.

at 25 fourth class stations, in India, etc., in May, 1907.

Wind Velocity.			Wind steadiness.		Hygrometry, 8 hrs.				Cloud.		Rainfall.									Heaviest rainfall during month.	Station.
Mean velocity miles per hour.	Normal.	Percentage departure from normal.	Actual percentage.	Departure from normal.	Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal, in inches of mercury.	Mean cloud amount at 8 hrs.	Departure from normal.	Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st to 31st May, 1907.	Normal rainfall for period, 1st to 31st May.	Departure from normal of period, 1st to 31st May, 1907.		
27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
																					II.—Eastern Bengal and Assam.
...	...	...	...	...	97	...	·780	...	...	...	15	...	...	9·14	...	...	91·4	...	...	1·68	Bishnath.
...	...	...	...	...	85	...	·788	...	...	...	7	...	...	6·63	...	...	6·63	...	...	2·25	Borjuli.
...	...	...	...	...	86	...	·820	...	...	...	12	...	...	11·14	...	...	11·14	...	...	2·78	Chandkhira.
...	...	...	...	...	94	...	·757	...	...	...	7	...	...	3·59	...	...	3·59	...	...	1·11	Doom Dooma.
...	...	...	...	...	87	...	·739	...	...	...	12	...	...	5·77	...	...	5·77	...	...	2·30	Dikom.
...	...	...	...	...	90	...	·774	...	...	...	10	...	...	3·86	...	...	3·86	...	...	0·88	Golaghat.
...	...	...	...	...	85	...	·813	...	...	...	9	...	...	5·40	...	...	5·40	...	...	1·46	Hailakandi.
...	...	...	...	...	85	...	·772	...	...	...	9	...	...	6·86	...	...	6·86	...	...	2·66	Jorehat.
...	...	...	...	...	84	...	·773	...	...	...	12	...	...	6·87	...	...	6·87	...	...	2·86	Messa.
...	...	...	...	...	91	...	·675	...	...	...	13	...	...	6·61	...	...	6·61	...	...	1·42	Panerihat.
...	...	...	...	...	85	...	·844	...	...	...	12	...	...	11·85	...	...	11·85	...	...	2·13	Srimangal.
...	...	...	52	...	71	...	·761	...	5·6	...	13	...	...	13·10	...	...	13·10	...	...	2·50	Tura.
...	...	...	...	...	81	...	·865	...	...	...	10	...	...	8·65	...	...	8·65	...	...	2·80	Brahmanbaria.
...	...	...	...	...	88	...	·769	...	...	...	15	...	...	12·61	...	...	12·61	...	...	3·07	Dam Dim.
...	...	...	...	...	82	...	·885	...	...	...	10	...	...	8·63	...	...	8·63	...	...	2·18	Goalundo.
...	...	...	...	...	89	...	·945	...	...	...	10	...	...	9·16	...	...	9·16	...	...	3·22	Kalchini.
...	...	...	...	...	78	...	·748	...	...	...	13	...	...	7·26	...	...	7·26	...	...	2·08	Nagrakata.
...	...	...	...	...	83	...	·877	...	...	...	9	...	...	6·01	...	...	6·01	...	...	1·22	Pabna.
																					III.—Bengal.
...	...	...	10	...	82	...	·972	...	...	...	6	...	...	2·35	...	...	2·35	...	...	1·5	Fraserganj.
																					XI.—Central Provinces.
											Observatory not opened.										Chhindwara.
																					Hill Stations.
...	...	...	...	...	71	...	·705	...	...	...	11	...	...	6·82	...	...	6·82	...	...	1·78	Panighatta.
...	...	...	...	...	77	...	·498	...	...	...	16	...	...	9·71	...	...	9·71	...	...	1·38	Kurseong.
...	...	...	21	...	...	...	...	...	3·1	...	2	...	...	0·34	0·71	—0·37	0·34	0·71	—0·37	0·18	Poo.*
...	...	...	6	...	68	...	·379	...	0·9	...	5	...	...	2·48	...	...	2·48	...	...	0·94	Killa Drosh.
...	...	...	...	...	...	...	...	...	0·4	...	0	0·70	—0·70	0	0·19	0·19	0	—0·19	—0·19	0	Pishin.
																					Extra India.
12·6	...	...	68	...	50	...	·512	...	...	...	2	...	...	0·64	...	...	0·64	...	...	0·49	D'thala.

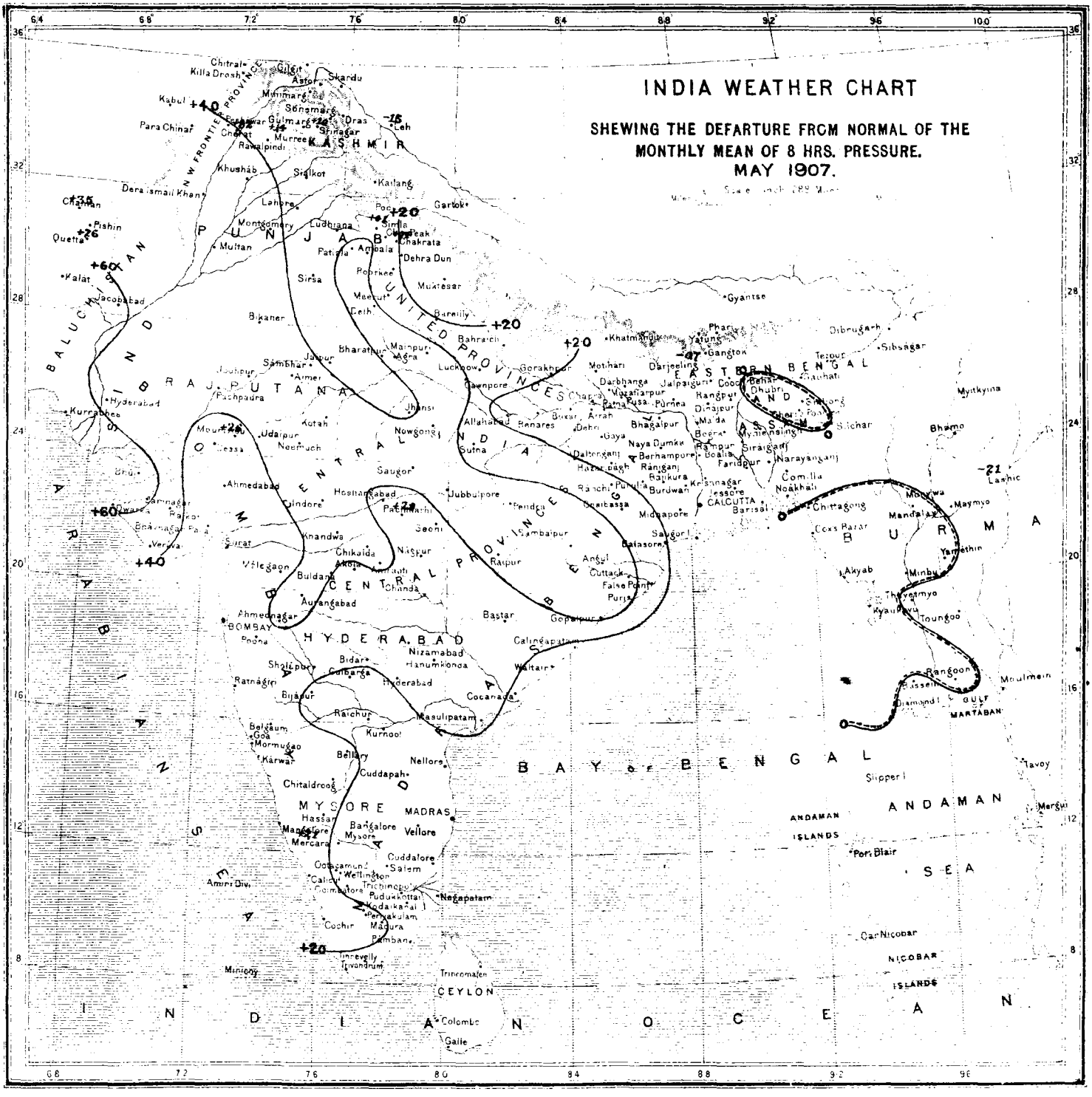
* Observations of 28 days.

No. 1139 E., Wr., India — [illegible]

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

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

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



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Zinco., S. I. O., Calcutta

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

PLATE III

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

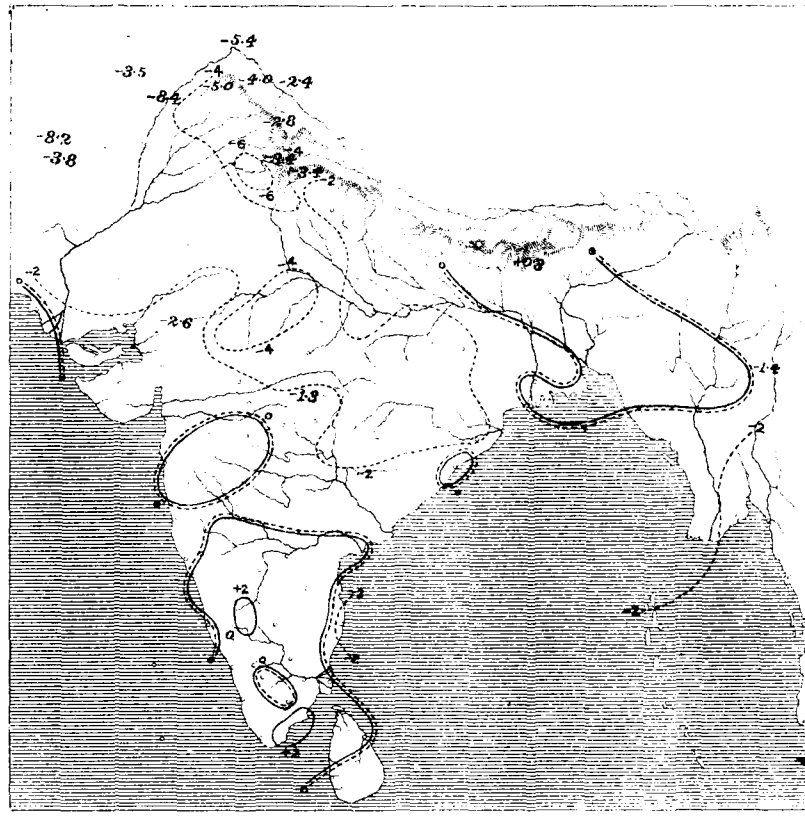
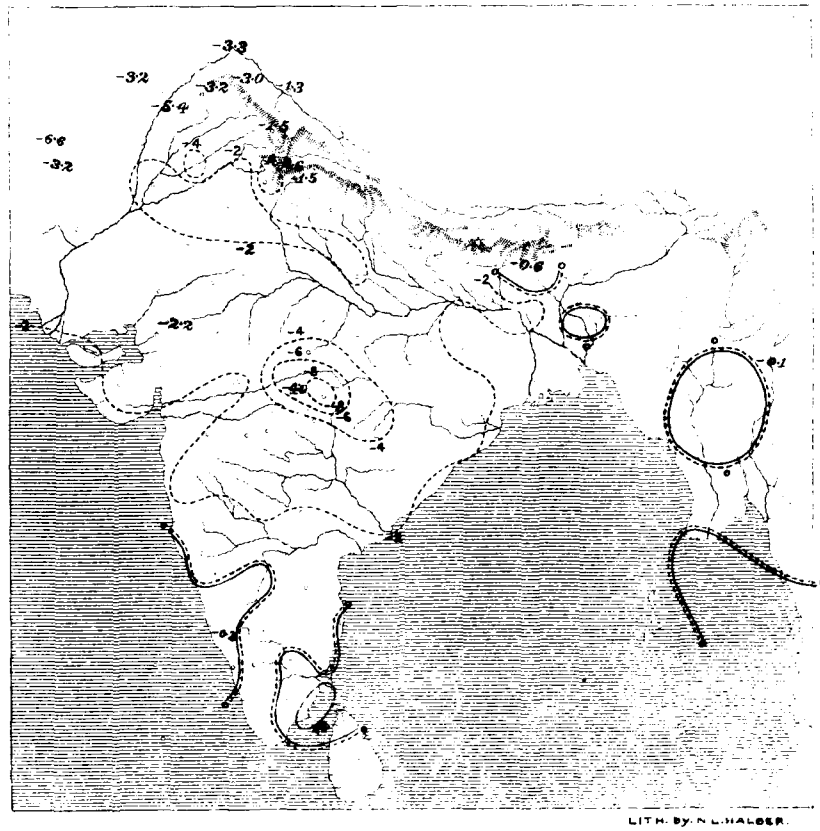


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MINIMUM TEMPERATURE.



LITH. BY N. L. HALDER.

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

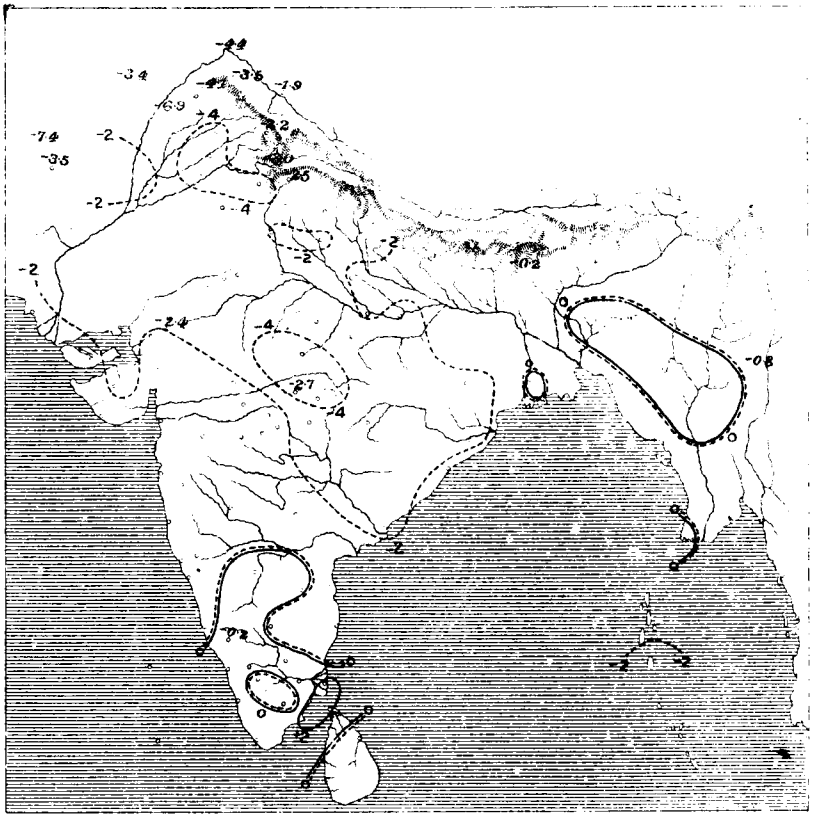
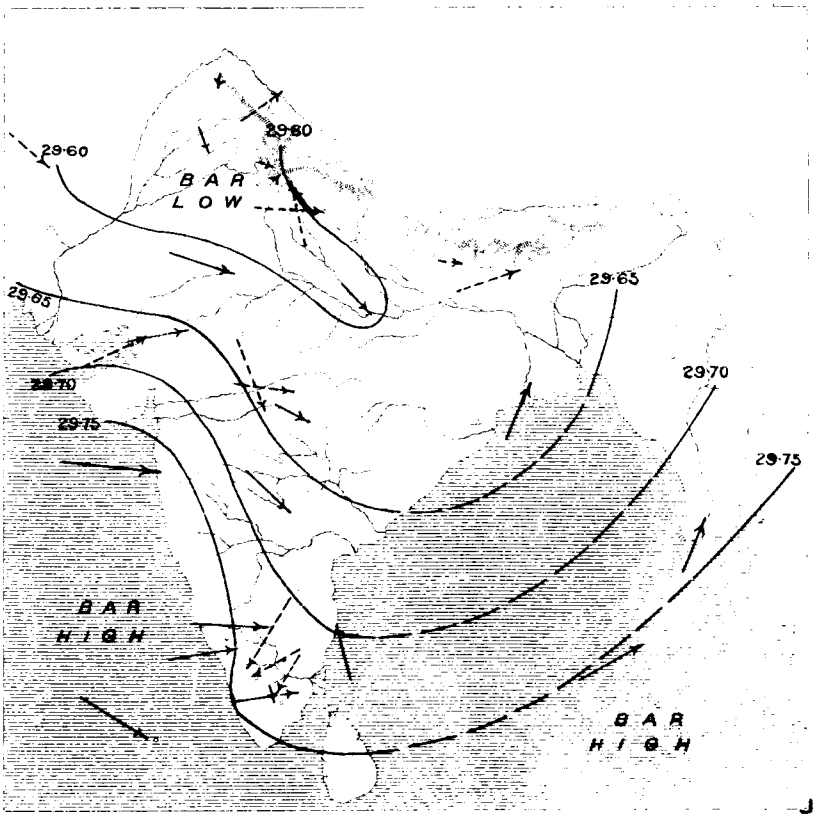


CHART SHEWING THE MONTHLY MEAN OF PRESSURE AND RESULTANT WIND DIRECTION.



LITHO. BY S.B.MUNDLE.

PLATE V.

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

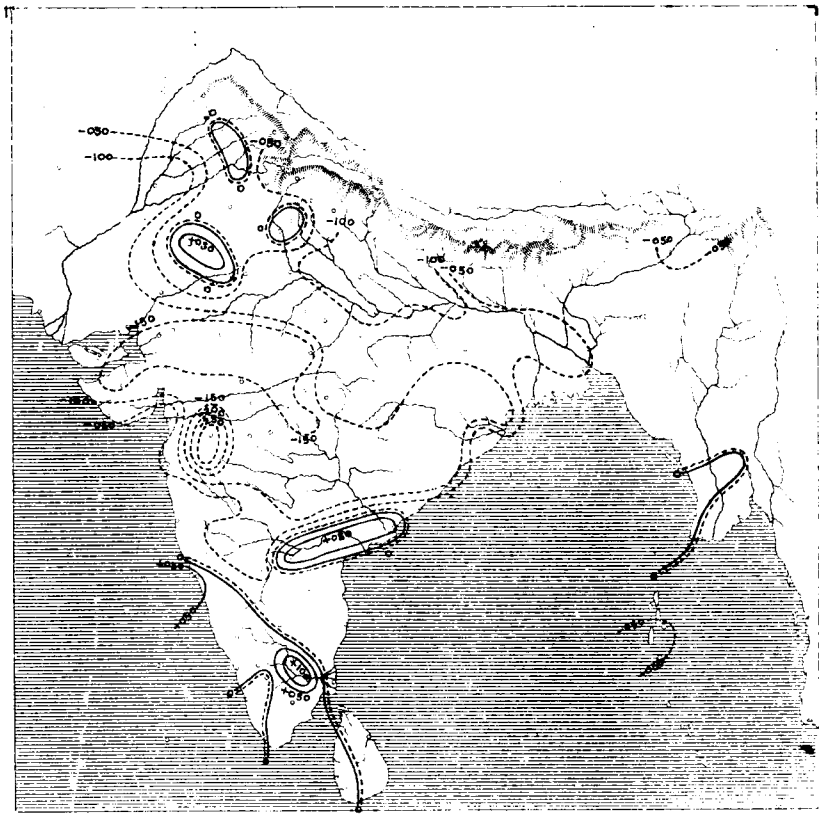
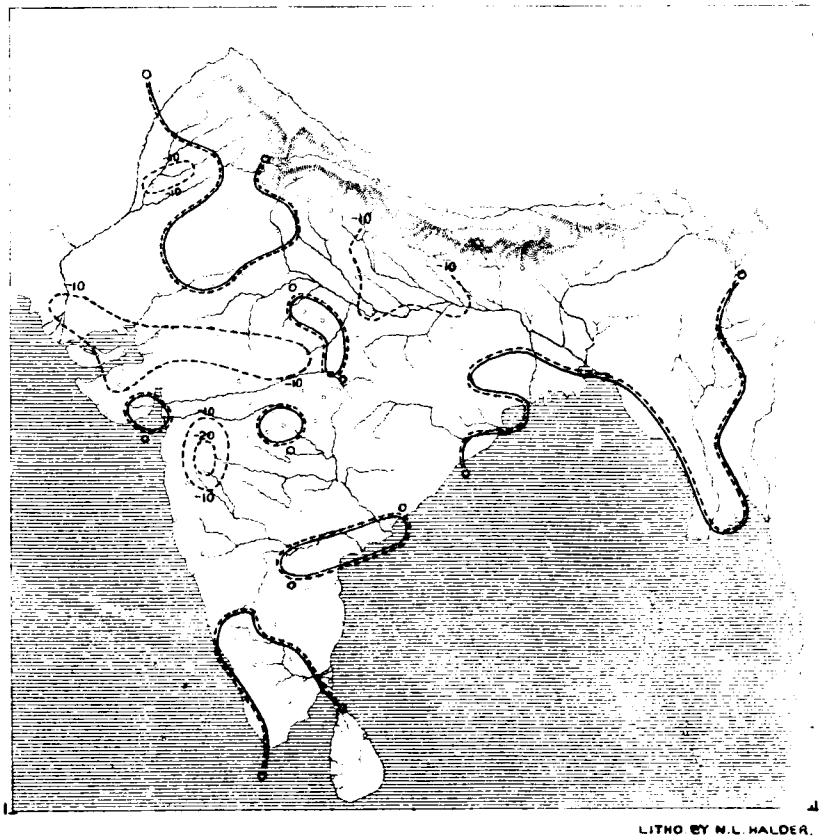


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF RELATIVE HUMIDITY AT 8 HRS.



LITHO BY N.L. HALDER.

PLATE VI

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

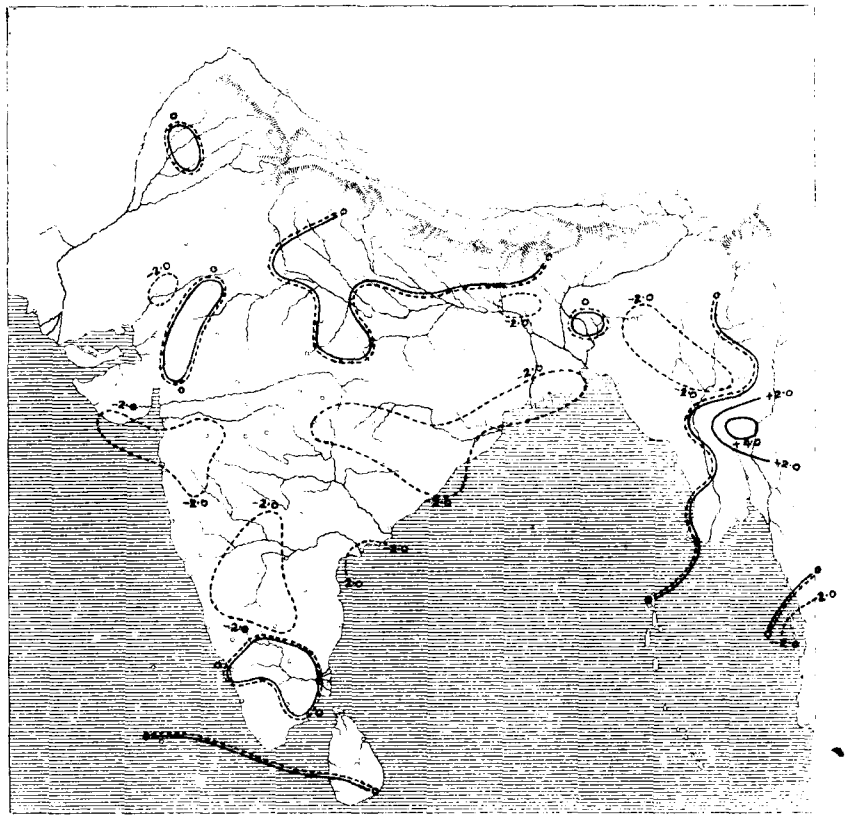
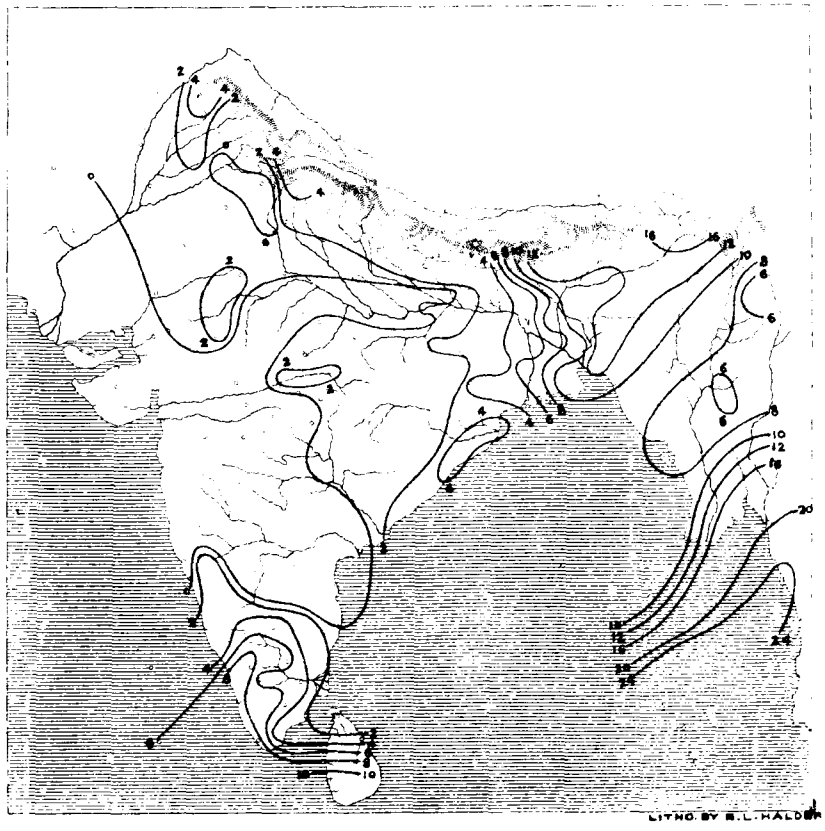
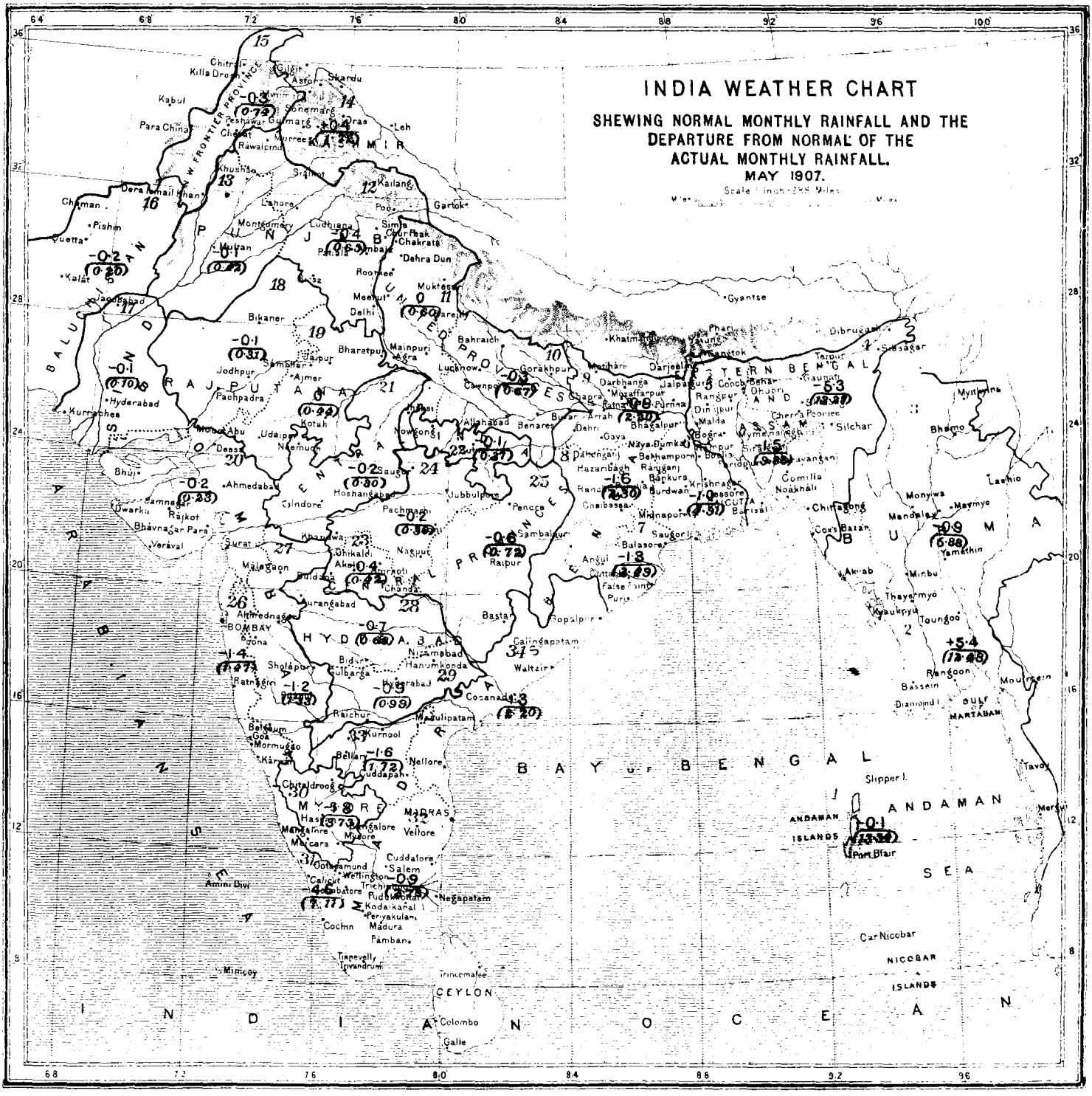


CHART SHEWING THE TOTAL NUMBER OF DAYS IN THE MONTH ON WHICH RAINFALL EQUALLED OR EXCEEDED 0·10 INCH.

(BASED ON THE RETURNS OF TABLE B)





No. 1139 E., Wr., India—Jan 08—1,250.

LITHO. BY S. R. MUNDLE Supdt., G.I.P., Calcutta

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

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

GOVERNMENT OF INDIA.

METEOROLOGICAL DEPARTMENT.

MONTHLY WEATHER REVIEW

PUBLISHED BY ORDER OF

THE GOVERNMENT OF INDIA.

CALCUTTA, JUNE, 1907.

INTRODUCTION.

THIS review of the weather in India during the month of June, 1907, is based on observations taken daily at 8 hrs. at 237 stations, and on additional observations taken at 10 hrs. and 16 hrs. at 37 stations. In the rainfall summary the data furnished by the meteorological observatories, and such rainfall statements of the month as had been published by the provincial Governments up to the date of the preparation of the review, have been utilized. The brief notes on solar, seismic and magnetic disturbances have been supplied by the chief observatories. For a statement of the methods adopted in recording and tabulating the data, for each of the elements of observation, reference should be made to the introductory portion of the review for January.

Summary of the chief features of the weather in India during the month of June, 1907.

2. During the first advance of the monsoon in the Arabian Sea a severe cyclonic storm formed at some distance from the coast and passed over Kurrachee: it then travelled up the valley of the Indus as a depression as far as the Punjab hills and gave widespread and heavy rain in Sind, the southwest Punjab, the North-West Frontier Province and Baluchistan.

The second advance of the Arabian Sea current began on the 11th and it established monsoon conditions on the west coast. During its advance a storm probably without a definite centre formed off the Kathiawar coast and disappeared in Sind.

In the Bay of Bengal two cyclonic storms of more than the usual severity formed. The first originated in an area of low pressure in the south of the Bay and travelled parallel to the coast which it crossed near Saugor Island. This storm gave moderately heavy and general rain over northeast India. The second began to form at the head of the Bay about the time the first disappeared and crossed the coast on the 24th near Barisal, and then travelled westward, passing near Calcutta, to Chota Nagpur where it broke up. It was of greater severity than the first and caused very heavy rain along its track.

The monsoon set in on the west coast, the east coast, northeast India and Burma about the usual date, and the rainfall in these areas as well as in the remainder of Madras, in Mysore and Hyderabad approximated closely to the normal.

The monsoon did not penetrate into the United Provinces, the Punjab, Rajputana, Gujarat, Central India and the Central Provinces during the month; but owing to the storm which passed over Kurrachee travelling northwards, the rainfall in Sind, the southwest Punjab, the North-West Frontier Province and Baluchistan was in very large excess; in the rest of this region rainfall was in very large defect, especially in the west of the United Provinces.

Temperature was high in the United Provinces, Central India and the Central Provinces, but owing to the snow in the mountains it was in large defect in Kashmir, Baluchistan and the neighbouring plains.

Humidity and cloud were in marked defect over the United Provinces, Central India and the Central Provinces.

Solar, seismic and magnetic disturbances.

KODAIKANAL OBSERVATORY.

3. *Solar observations*:—The weather was not very favourable for solar observations during June. The sun was however observed for spots and faculæ on all the days except the 13th; but prominences could not be recorded on 10 days and on a few other days they were observed in poor sky.

Spots:—The spot activity continued to be on the decline except for one very large spot which appeared about the middle of the month. There were recorded 17 spot groups or very nearly the same as in the preceding month and the daily average was 2·7 as against 3·1 in May. Almost all the spots were very small ones and lasted but one or two days. The big spot already referred to, No. 1175, was first observed here on the 14th not far from the east limb of the sun. It consisted in the beginning of 3 distinct moderate sized spots of regular outline very near each other. Subsequently they began to coalesce, the two rear spots breaking up into scattered umbræ and penumbral patches. Some of these disappeared later on and the whole group, much reduced in size, went round the west limb of the sun on the 26th. This was one of the largest spots seen during the year and was visible to the naked eye. It was not however seen during the previous rotation of the sun, but on the 30th May when the region of the spot was near the western edge of the sun an intensely bright patch of flocculi suddenly appeared close to the west limb. Sharp jets were seen to issue from it and to extend outside of the solar limb. Rapidly changing eruptive prominences were also observed on the same part of the sun. This was probably the beginning of the formation of the spot which, during the time this region of the sun was turned away from us, had developed enormously. The centre of the spot group was in the southern hemisphere at about Lat. 12° and Long. 68°. This, together with the predominence of the southern latitude spots which are nearly twice as many as the northern ones, would indicate that the relative increase of the spot activity in the southern hemisphere noticed a few months ago continues still. The distribution of the spots in latitude was as follows:—

	0-10	10-20	20-30	
North . . .	3	2	1	6
South . . .	3	6	2	11

Prominences:—Owing to poor observing weather during the greater part of the month only 22 large prominences were recorded. The tallest was 140″ high and was photographed on the 24th at position angle 152°.

Magnetic Disturbances:—Moderate magnetic disturbances were recorded on the 19th and 20th and on the 22nd and 23rd. On the former two days the very large spot of the month was crossing the central meridian of the sun.

J. EVERSHED,
Ag. Director,
Kodaikanal & Madras Observatories.

NOTE ON THE ALIBAG MAGNETIC RECORD. JUNE, 1907.

4. During the month the traces showed 10 calm days, 18 days of small and 2 days of moderate disturbances.

Movements suspected to be due to seismic causes occurred on the 3rd at about 23 hours, the strain apparently lasting for about 13 hours.

The days of the month selected as quiet are the 2nd, 3rd, 16th, 27th and 29th.

The mean observed absolute values of the several elements as also the ranges and the summed ranges of the Horizontal Force and Declination for the month are as follow:—

Declination	1° 1′ 47″	East.
Horizontal Force . . .	0·36892	C. G. S. Unit
Dip	23° 14′·0.	
Horizontal Force Range .	0·00049	C. G. S. „
Horizontal Force summed range	0·00349	
Declination Range . . .	5′·06	
Declination summed range .	22′·55	

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

Magnetic Disturbances.
June, 1907.

June, 1907.		June, 1907.		June, 1907.	
1	S.	11	S.	21	
2	C.	12	S.	22	M.
3	C.	13	S.	23	S.
4	S.	14	C.	24	S.
5	C.	15	C.	25	S.
6	S.	16	C.	26	C.
7	S.	17	C.	27	S.
8	C.	18	S.	28	S.
9	S.	19	M.	29	C.
10	S.	20	S.	30	S.

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

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

Days are reckoned from midnight to midnight.

Seismic Disturbances recorded at Colaba.

Four small seismic disturbances were recorded during the month, on the 1st, 5th, 10th and 25th.

List of Seismic Disturbances.

Date.	Commencement.	Max.	End.	Max. Displacement from mean position.	Duration.
	H. M.	H. M.	H. M.		H. M.
June 1	9 57·1	10 15·0	11 0·6	1·2 M. M.	1 3·5
„ 5	4 32·6	5 2·7	5 37·6	1·0 „	1 5·0
„ 10	19 2·5	19 33·3	19 58·3	0·7 „	0 55·8
„ 25	18 1·7	18 16·8	19 7·2	1·3 „	1 5·5

N. A. F. MOOS,
Director,
Government Observatories,
Bombay & Alibag.

CALCUTTA OBSERVATORY.

5. *List of displacements recorded by the Milne Seismograph at the Alipore Observatory during June, 1907.*

Date 1907.	P. T. Commencement. G. M. T.	L. W. Commencement. G. M. T.	Maximum. G. M. T.	End. G. M. T.	Duration.	Maximum displacement on trace from mean position. m. m.	REMARKS.
	H. M.	H. M.	H. M.	H. M.	H. M.		
1-6-07	8 57·8	10 29·3	10 34·4	11 41·6	2 43·8	1·25	
1-6-07	23 1·8	...	23 3·3	23 29·8	0 28·0	1·00	
5-6-07	3 59·3	5 9·1	5 10·1	6 2·1	2 2·8	1·00	
8-6-07	11 13·5	...	...	11 29·7	0 16·2	...	Thickening of the line.
13-6-07	9 13·8	...	9 52·5	11 39·8	2 26·0	0·50	
25-6-07	18 3·0	...	18 22·4	19 31·6	1 28·6	5·00	
26-6-07	17 37·1	...	...	18 22·9	0 45·8	...	Thickening of the line.
28-6-07	22 56·8	...	...	23 55·4	0 58·6	...	Thickening of the line.
30-6-07	11 52·8	...	...	12 10·1	0 17·3	...	Thickening of the line.

Sensibility 1 m.m. = 0·38″ of tilt.

C. W. PEAKE,
Meteorologist, Calcutta.

SIMLA OBSERVATORY.

6. *List of earthquakes recorded by the Omori-Ewing Seismograph; magnification 15.*

Date.	Commencement of 1st P. T. G. M. T.	Commencement of 2nd P. T. G. M. T.	Beginning of L. W. G. M. T.	Time of Maximum amplitude. G. M. T.	End approximately. G. M. T.	Duration.	Maximum displacement of style. m. m.	REMARKS.
June, 1907.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.		
18t	23 5·5	...	23 6·3	...	23 20·0	...	1·0	Centre some distance away.
20th	...	...	19 21·4	19 21·9	19 33·0	...	1·0	Local.
23rd	...	...	8 35·1	8 35·3	8 3·56	...	16·0	Sharp local shock.
25th	18 4·1	...	18 11·9	18 13·0	18 30·0	...	10·0	Distant
27th	...	...	...	0 21·9	1 23·3	...	2·0	Local.
28th	...	...	...	1 23·3	...	...	2·0	Ditto.
28th	...	...	...	12 46·0	...	...	1·5	Ditto.
29th	...	...	3 46·5	3 45·7	3 48·0	...	2·0	Ditto.

The earthquake on the night of the 20th was also felt at Gulmarg in Kashmir and at Oghi in the North-West Frontier Province. It thus appears to have been felt over a wide area. The shock on the 23rd was also felt at Dehra Dun.

J. PATTERSON,
Imperial Meteorologist, Simla.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

7. *Solar observations:*—Observations were taken on every day. Sunspots, singly and in groups, and faculæ were seen on most days of the month.

Magnetic Disturbances.

Day.	Time.	Disturbance.
4	3 to 4 h.	Wave in H. F. (+30).
11	15 to 17 h.	Ditto (−15) Commencement in H. F.
12	13 to 17 h.	Ditto (−30)
19	12 h. to 12 h.	
20		
22	1 h. to 3 h.	Declination small fluctuations. In H. F. with wave 23d. 1h.—3h. (+20).
23		

T. F. CLAXTON,
Director.

Weather in the Indian monsoon region.

8. Pressure in the southern Indian Ocean as represented by Mauritius was in marked defect, but the deficiency disappeared towards the equator and pressure was only in slight defect at Zanzibar and normal at Seychelles. Winds were normal in direction at all three stations and considerably weaker than usual at Mauritius. Rainfall was in excess at Mauritius, in slight defect at Zanzibar and in very large defect at Seychelles. Conditions in the southern Indian Ocean were thus favourable for monsoon rainfall in India.

	Mauritius.	Zanzibar.	Seychelles.
Departure from normal of mean pressure	−·064	−·020	+·007
Actual mean wind direction . .	S 61°E	S 1°W	S 28°E
Normal mean wind direction . .	S 61°E	S 4°E	S 27°E
Actual mean wind velocity (miles per diem).	222	218	257
Normal mean wind velocity (miles per diem).	269	211	258
Rainfall departure	+2·13	−0·85	−5·10

Depressions and cyclonic storms.

9. At the end of May an area of low pressure appeared over the southeast of the Arabian Sea and moved northward, establishing monsoon conditions along the west coast. By the 4th of the month it had developed into a severe cyclonic storm and was giving strong winds on the Kathiawar coast, but the rainfall associated with it was comparatively light. The storm travelled slowly towards Kurrachee and passed over or near that port between 8 hrs. and 16 hrs. on the 6th. The wind at Kurrachee rose to over 70 miles an hour during the height of the storm, but the rainfall was generally light. After crossing the coast the storm rapidly decreased in intensity and travelled up the valley of the Indus river as far as the Punjab hills. It occasioned a heavy burst of rain in Sind, east Baluchistan, the southwest and central Punjab, the North-West Frontier Province and Kashmir; except in the first two areas the residual storm was supplemented by a local disturbance in Kashmir.

A second and much stronger advance of the Arabian Sea monsoon began on the 10th and was preceded by an area of low pressure which travelled northwards. The advance was characterized by very high seas, strong winds at some distance from the coast and heavy rainfall on the west coast of the Peninsula. As the low pressure area approached the Kathiawar coast on the 17th, it intensified, but does not appear to have developed into a cyclonic storm with a definite centre. It occasioned strong winds on the Kathiawar coast from the 17th to the 21st, and disappeared in Sind on the latter date. During its existence widespread rain fell in Gujarat and lower Sind.

An area of low pressure developed over the south of the Bay on the 9th and remained almost stationary until the 12th when it began to concentrate and move northwards. During this time rainfall occurred chiefly in Lower Burma, but there was also light scattered rain in Upper Burma and northeast India. By the morning of the 13th the depression was off the Ganjam coast where it remained stationary until the 16th during which time it developed into a cyclonic storm of considerable severity. The storm then travelled slowly parallel to the coast and passed inland close to Saugor Island during the 18th. The rainfall during this period of its existence was generally scanty along the east coast and in northeast India until the 17th; but as the storm neared the Bengal coast rainfall increased, especially in the vicinity of the storm centre. After crossing the coast the storm moved northward, its centre passing near Calcutta, and then curving to the west-northwest disappeared in Chota Nagpur on the 21st. It occasioned heavy rain in northeast India, but did not carry the monsoon currents beyond the eastern districts of the United Provinces where light rain was received on the 20th and 21st. The storm gave strong winds at the coast stations, but as soon as it passed inland it was rapidly disintegrated.

The previous disturbance had hardly disappeared before another storm was forming at the head of the Bay; it developed from the 22nd to the 24th, and then crossed the coast near Barisal, having by this time developed into a severe storm. It travelled westward, its centre passing over or near to Calcutta about midnight on the 24th when the barometer was nearly three-quarters of an inch below normal. Winds were very strong and very heavy rain fell along the track of the storm. After passing Calcutta the storm moved towards Chota Nagpur where it was rapidly broken up, and had completely disappeared by 8 hrs. on the 27th.

Weather was frequently disturbed in Kashmir and the snowfall on the higher peaks was very heavy for June.

Pressure.

10. Pressure was in excess of the normal in northwest India, but in northeast India there was a deficiency, especially in Bengal. The trough of low pressure thus extended farther out into the Bay than usual, but pressure along the axis of the trough was very uniform, and was as low in southwest Bengal where the deficiency was ·045″ as in the southwest Punjab and neighbouring districts where the excess was ·045″. In the Peninsula and Burma pressure departures from normal were small and insignificant.

The pressure distribution thus tended to concentrate and strengthen the monsoon winds in northeast India and to prevent them from penetrating into the Gangetic plain; the Bay monsoon arrived about the normal date and gave the usual quantity of rain in northeast India, but it failed to advance beyond Bihar. The same peculiarity also occurred in regard to the Arabian Sea branch of the monsoon and its rain-bearing properties were chiefly confined to the west coast districts.

In upper India the vertical pressure gradients were steeper than usual, a feature that has persisted since February, but it was owing to the excess in the plains, for at the elevation of the hill stations pressure was normal.

The following tables give data for the 14 meteorological provinces and for 8 pairs of associated hill and plain stations :—

DIVISION.	Departure from normal of mean 8 h. pressure.
	"
Burma	—·001
Eastern Bengal and Assam	—·011
Bengal	—·033
United Provinces	+·006
Punjab	+·029
North-West Frontier Province	+·046
Sind	+·030
Rajputana	+·030
Bombay	+·010
Central India	+·012
Central Provinces	+·008
Hyderabad	+·010
Mysore	+·005
Madras	—·004

HILL STATION.	Departure from normal pressure.	PLAIN STATION.	Departure from normal pressure.	Departure of pressure differences.
	"		"	"
Quetta	—·012	Jacobabad	+·053	+·065
Leh	—·007	Lahore	+·026	+·033
Murree	+·006	Peshawar	+·047	+·041
Simla	+·008	Ludhiana	+·026	+·018
Chakrata	+·011	Roorkee	+·010	—·001
Darjeeling	—·014	Dhubri	—·010	+·004
Mount Abu	·023	Deesa	+·023	0
Pachmarhi	+·013	Khandwa	+·018	+·005

Temperature.

11. In the regions where the monsoon had become established during the month temperature during both day and night was normal, but in the United Provinces, the east of Rajputana, Central India and the Central Provinces, the areas into which the monsoon had not penetrated, maximum temperature was in excess, the excess being greatest in Oudh where it amounted to over 5°. In these areas night temperature however was generally normal, the only exceptions being an excess in the districts represented by Mainpuri, Cawnpore, Jhansi and Sutna, and a defect in the districts of Raipur and Seoni.

In northwest India, although the monsoon had not set in, yet the storm which passed over Kurrachee was followed by very low temperatures along its track, while it gave, in conjunction with a local disturbance, heavy snow in Kashmir, and this had a marked and persistent effect in keeping temperatures low. During the latter part of the month they were generally in excess, but the excess was not sufficient to counterbalance the defect of the previous portion of the month. Maximum temperature was thus in defect in the Punjab, Kashmir, the North-West Frontier Province, upper Sind and Baluchistan; the deficiency was most marked in Kashmir and Baluchistan, and decreased with the distance from these regions. At Gilgit the maximum was 11° in defect and it was over 6° below normal at the other stations in Kashmir and Baluchistan. Minimum temperature was also affected but not quite so strongly; the greatest deficiency was 8° at Gilgit and over 4° at the other hill stations. The usual tables giving particulars of the temperature are appended.

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

Sub-division.	Actual temperature.					Departure from normal of month of		
	Mean maximum.	Mean minimum.	Monthly mean of mean between maximum and minimum.	Mean daily range of temperature.	Absolute range during month.	Maximum.	Minimum.	Daily range.
	°	°	°	°	°	°	°	°
1. Bay Islands	85·8	77·9	81·9	7·9	15·5	−0·8	+0·7	−1·5
2. Lower Burma	86·3	76·3	81·3	10·0	19·1	+0·3	+0·6	−0·3
3. Upper do.	89·4	75·0	82·2	14·4	26·6	−1·9	−0·7	−1·2
4. Assam	86·9	74·6	80·8	12·3	27·9	−1·7	−1·6	−0·1
5. Eastern Bengal	88·7	76·9	82·9	11·8	25·4	0	−0·1	+0·1
6. Bengal	93·4	79·0	86·2	14·4	31·9	−0·1	−0·3	+0·2
7. Orissa	92·8	79·7	86·3	13·2	29·8	−0·3	+0·1	−0·4
8. Chota Nagpur	95·2	77·8	86·5	17·4	38·1	+0·3	+1·0	−0·7
9. Bihar	96·2	78·4	87·3	17·8	35·8	−0·2	−0·7	+0·5
10. United Provinces, East	103·2	81·7	92·5	21·5	36·7	+3·6	+0·6	+3·0
11 Do., West	103·8	81·3	92·5	22·6	35·4	+3·4	+0·2	+3·2
12. Punjab, East and North	103·5	78·3	90·9	25·2	41·4	−1·0	−2·1	+1·1
13. Do., Southwest	105·2	80·6	92·9	24·6	48·2	−3·1	−2·8	−0·3
14. Kashmir	71·5	46·8	59·1	24·7	44·3	−7·9	−5·6	−2·3
15. North-West Frontier Province	102·8	75·5	89·2	27·3	47·7	−4·2	−3·8	−0·4
16. Baluchistan	90·1	65·4	77·7	24·7	39·0	−6·7	−3·7	−3·0
17. Sind	101·9	81·3	91·6	20·6	45·1	−1·7	−1·4	−0·3
18. Rajputana, West	105·5	82·5	94·0	23·0	40·1	−0·1	−0·4	+0·3
19. Do., East	103·9	83·1	93·5	20·8	33·8	+2·8	+1·8	+1·0
20. Gujarat	95·8	79·5	87·7	16·4	30·0	+0·2	−0·6	+0·8
21. Central India, West	98·5	77·5	88·0	21·0	31·7	+2·1	+1·2	+0·9
22. Do., East	104·3	83·2	93·8	21·1	36·8	+5·4	+2·4	+3·0
23. Berar	99·9	77·6	88·8	22·3	39·5	+2·2	+0·4	+1·8
24. Central Provinces, West	100·5	77·8	89·1	22·7	37·4	+3·3	−0·3	+3·6
25. Do., East	97·8	77·6	87·7	20·2	39·7	+1·4	−1·1	+2·5
26. Konkan	87·1	77·9	82·6	9·1	18·2	+0·7	+0·2	+0·5
27. Bombay Deccan	92·3	72·2	82·3	20·1	33·9	+2·2	0	+2·2
28. Hyderabad, North	95·6	74·7	85·2	20·9	36·1	...	...	...
29. Do., South	95·4	75·9	85·7	19·5	35·5	+0·6	0	+0·6
30. Mysore	83·9	67·5	75·7	16·4	29·1	+0·2	−0·2	+0·4
31. Malabar	84·8	75·3	80·0	9·5	18·0	+0·4	+0·8	−0·4
32. Madras, Southeast	96·3	77·6	86·9	18·7	29·1	−0·2	+0·3	−0·5
33. Do., Deccan	97·2	77·7	87·5	19·5	35·5	+0·1	+0·1	0
34. Do. Coast, North	94·3	80·4	87·4	13·9	33·3	−0·6	−0·4	−0·2

Winds.

12. A noteworthy feature of the air movement during the month was the strong north-westerly component instead of south-easterly possessed by the winds at Lahore, Ludhiana, Delhi, Mainpuri and Cawnpore, and was chiefly owing to the non-establishment of the monsoon in these areas during the month; there was thus a flow of dry air parallel to the Himalayas, but at a short distance from them down as far as Cawnpore.

The area of deficient pressure in southwest Bengal formed a sink into which the monsoon winds from the Bay of Bengal poured and they were in consequence much stronger than usual in Bengal.

In Sind where the usual depression was only very feebly developed the winds were much below the normal strength and less steady than usual. In Madras and the Central Provinces the air movement was normal in direction and steadiness, but was much greater than usual.

Division.	Departure from normal of	
	Hourly Wind velocity.	Wind steadiness.
Burma	−0·3	− 9
Eastern Bengal and Assam	+0·8	+ 4
Bengal	+1·2	− 8
United Provinces	−0·2	− 3
Punjab	+0·3	−13
North-West Frontier Province	−0·8	+ 3
Sind	−4·6	−21
Rajputana	+0·8	+ 4
Bombay	−0·7	− 9
Central India	−0·5	− 3
Central Provinces	+1·3	− 3
Hyderabad	−1·3	+ 4
Mysore	−0·9	− 5
Madras	+1·5	+ 4

Humidity and cloud.

13. The amount of moisture in the air during June depends chiefly on the extent of country into which the humid winds of the monsoon have penetrated. It is thus to be expected that, especially during the latter half of the month when the currents have as a rule established themselves fairly well over the whole country, the air should contain a large quantity of moisture; on the other hand as the monsoon currents did not penetrate this year to any extent inland during June the vapour in the air was relatively and absolutely much less than usual over the United Provinces, the Punjab, the North-West Frontier Province, Rajputana, Central India and the Central Provinces. In other parts of the country where monsoon conditions were established about their normal date humidity departures from normal were generally small.

Owing to the delay in the monsoon skies were singularly free from cloud in the United Provinces, especially in Oudh where the proportion of sky covered with cloud was less than a third of the normal and at Cawnpore was only a fifth. In the Punjab there was about half the usual amount of cloud, but in the rest of the country skies were clouded to their usual extent.

Division.	Hygrometry, 8 hrs.				Cloud.	
	Mean humidity.	Departure from normal.	Mean vapour tension in inches of mercury.	Departure from normal in inches of mercury.	Mean cloud amount at 8 hrs.	Departure from normal.
Burma	88	+ 1	·883	−·001	7·2	−0·6
Eastern Bengal and Assam.	88	0	·913	−·024	7·0	−0·3
Bengal	79	− 2	·896	−·029	5·7	−0·5
United Provinces	53	−16	·715	−·117	2·3	−2·5
Punjab	46	− 6	·602	−·093	1·5	−1·3
North-West Frontier Province.	48	− 2	·600	−·096	2·2	+0·6
Sind	66	+ 3	·861	+·012	3·7	+0·4
Rajputana	53	− 7	·693	−·062	2·9	−1·0
Bombay	77	− 1	·837	−·010	6·2	−0·3
Central India	55	−11	·690	−·063	5·1	+0·1
Central Provinces	60	− 7	·673	−·068	4·7	−1·0
Hyderabad	66	− 4	·677	−·047	6·0	+0·2
Mysore	82	0	·656	+·003	7·9	−0·2
Madras	72	0	·793	−·015	6·3	−0·1

Rainfall

14. The first advance of the Arabian Sea monsoon accompanied the area of low pressure which developed into the cyclonic storm that passed over Kurrachee, but the advance was very feeble and occasioned only light rain on the west coast. The second advance began on the 8th and with it monsoon conditions were well established in the west coast districts as far north as Bombay by the 11th, and during the rest of the month rainfall was of daily occurrence over the greater part of the west coast. The total rainfall for the month was practically normal over this region.

The Bay branch of the monsoon set in quietly early in the month in Burma, and the rainfall was about equal to the average in Lower Burma but slightly below it in Upper Burma. In northeast India also the monsoon appeared about the usual date, but the rainfall was chiefly associated with two cyclonic storms, one occurring almost immediately after the other, which gave very heavy rain in deltaic Bengal and moderately heavy rain in other parts of northeast India and Orissa. The pressure distribution also favoured the concentration of the Bay monsoon in northeast India and Burma at the expense of the other parts of its field.

Although the monsoon set in at the usual time on the west coast, in Burma and northeast India, both branches failed to penetrate into the central portions of the country and northwest India. The Bay current, while it gave an excess of rain in the province of Bengal, did not extend beyond Bihar, and the Arabian Sea current, though it gave good rain in the Deccan and Berar, did not penetrate into the Central Provinces or northwest India. The cyclonic storms in the Arabian Sea caused rainfall over Gujarat, Sind and the Punjab, but the monsoon did not become established in these areas. In consequence the United Provinces, the east and north Punjab, Rajputana, Central India and the Central Provinces received very much less than the normal quantity of rain; the greatest deficiency occurred in the west of the United Provinces where it amounted to 85 per cent. In Sind where less than half an inch constitutes the normal fall, owing to the cyclonic storms over two inches of rain fell, being nearly 500 per cent. more than usual. For the same reason Baluchistan, the southwest Punjab and the North-West Frontier Province received amounts in large excess of the normal, but in the last two areas the rainfall was partially associated with disturbances in Kashmir. In this last area weather was frequently disturbed by local depressions and the rainfall in the valleys was in large excess, while heavy snow occurred on the higher peaks. The rainfall tables for the 14 provinces and 34 divisions are given below.

Division.	Rainfall, June, 1907.			
	Actual.	Normal.	Departure from normal.	Percentage departure.
	"	"	"	
Burma	15·08	15·05	+0·03	0
Eastern Bengal and Assam	16·65	17·09	−0·44	− 3
Bengal	11·18	9·40	+1·78	+ 19
United Provinces	1·18	5·00	−3·82	− 76
Punjab	1·23	2·03	−0·80	− 39
North-West Frontier Province	1·23	0·83	+0·40	+ 48
Sind	2·28	0·41	+1·87	+456
Rajputana	0·59	2·70	−2·11	− 78
Bombay	7·25	9·42	−2·17	− 23
Central India	1·62	6·78	−5·16	− 76
Central Provinces	6·45	6·88	−0·43	− 6
Hyderabad	5·38	4·76	+0·62	+ 13
Mysore	4·59	4·22	+0·37	+ 9
Madras	6·71	5·45	+1·26	+ 23
Mean of India when the size of the above areas is taken into account.	6·72	7·43	−0·71	− 10

Sub-division.	Number of rainy days.		Rainfall.			
	Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure.
			Inches.	Inches.	Inches.	
1. Bay Islands	11·5	19·7	9·70	15·50	−5·80	−37
2. Lower Burma	20·6	22·1	26·49	25·23	+1·26	+ 5
3 Upper do.	9·4	9·6	5·58	6·57	−0·99	−15
4. Assam	17·7	17·3	19·28	17·47	+1·81	+10
5. Eastern Bengal	14·4	15·3	13·93	16·71	−2·78	−17
6. Bengal	12·7	12·2	13·23	10·72	+2·51	+23

Sub-division.	Number of rainy days.		Rainfall.			
	Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure.
			Inches.	Inches.	Inches.	
7. Orissa	12·6	10·5	9·41	9·42	−0·01	0
8. Chota Nagpur	9·5	10·6	12·89	9·22	+3·67	+40
9. Bihar	7·9	8·5	8·94	7·94	+1·00	+13
10. United Provinces, East	2·6	5·9	1·62	5·34	−3·72	−70
11. Do., West	1·6	5·3	0·68	4·61	−3·93	−85
12. Punjab, East and North	2·1	3·1	1·20	2·37	−1·17	−49
13. Do., Southwest	1·8	1·4	1·34	0·75	+0·59	+79
14. Kashmir	3·4	3·2	3·08	1·90	+1·18	+62
15. North-West Frontier Province	2·8	1·5	1·23	0·83	+0·40	+48
16. Baluchistan	1·4	0·6	1·18	0·30	+0·88	+293
17. Sind	2·9	0·6	2·28	0·41	+1·87	+456
18. Rajputana, West	0·9	2·1	0·34	1·39	−1·05	−76
19. Do., East	1·6	4·3	0·68	3·18	−2·50	−79
20. Gujarat	4·5	5·9	2·84	5·65	−2·81	−50
21. Central India, West	3·2	6·7	1·64	6·43	−4·79	−74
22. Do., East	3·2	7·3	1·58	7·39	−5·81	−79
23. Berar	8·0	8·2	6·46	5·67	+0·79	+14
24. Central Provinces, West	6·5	8·7	4·97	7·27	−2·30	−32
25. Do., East	10·0	9·6	8·93	8·46	+0·47	+6
26. Konkan	16·1	18·6	23·36	26·62	−3·26	−12
27. Bombay Deccan	7·7	8·4	4·23	5·59	−1·36	−24
28. Hyderabad, North	7·4	8·1	5·58	5·61	−0·03	−1
29. Do., South	8·3	6·8	5·22	4·05	+1·17	+29
30. Mysore	7·3	6·7	4·59	4·22	+0·37	+9
31. Malabar	24·6	23·3	36·34	33·34	+3·00	+9
32. Madras, Southeast	2·7	3·0	14·63	15·81	−1·18	−7
33. Madras Deccan	4·7	4·6	2·13	2·53	−0·40	−16
34. Madras Coast, North	7·7	6·2	7·88	4·30	+3·58	+83

Snowfall.

I.—AFGHANISTAN.

15. No snow fell during the month in this region.

II.—NORTH-WEST FRONTIER PROVINCE.

There was no snowfall; weather was however cooler than usual.

III.—KASHMIR.

Slight falls occurred occasionally on the higher ranges. Temperature was below normal and winter accumulations on the higher mountains were very deep.

IV.—PUNJAB.

(*a*) *Chamba.*—Snowstorms occurred on the Sach pass (elevation 14, 400 feet) on four days: the total fall measured about one foot in depth.

(*b*) *Kangra.*—Snow fell on two occasions. The fall of the 19th was considerable in amount and occurred on the ranges to the west and east of the Beas valley and down to 13,000 feet.

(*c*) *Kilba.*—Snow fell on two occasions down to 11,000 feet. Temperature, humidity and amount of cloud were normal.

Pass.	Depth of accumulation at the end of the month.	
	Reported.	Normal based on previous reports.
	Ft. Inches.	Ft.
Rupin	0 6?	6½
Brua	0 6?	4½
Harang	0 0	0
Shatul	0 4?	3½
Buldar	0 6?	4½
Runang	0 2?	1½

All the passes remained open to travellers.

V.—United Provinces.

Several light falls occurred on the higher ranges in Almorah during the second half of the month. The total quantity was estimated at about 4 feet on the Binkaru peak, 3 feet in Untadhura, 1½ feet in Ralamdhura and ½ foot in Malla Danpur.

Pass.	Depth of accumulation at the end of the month.	
	Reported.	Normal based on previous reports.
	Ft. Inches.	Ft.
Binkaru	10 0	23
Pindari Peak	0 6	½
Kaphini Peak	0 6	½
Kantela Peak	0 6	½
Untadhura	3 0	6½
Ralamdhura	1 6	5

The passes into Tibet are said to have opened much later than usual. According to a report from the Deputy Commissioner three feet of snow was found lying on the 5th on the summit of the Lipu Lekh pass, while the snow-line was at an elevation of 14,000 feet on the Indian side of the pass, and at 15 or 16,000 feet on the Tibet side.

16.—Summary.

(*a*) In the mountainous region to the west of the Indus there were no snowstorms during the month; temperature was however below normal in the North-West Frontier Province.

(*b*) Snow fell occasionally in Kashmir but the total fall was small in amount. Temperature was lower than usual and the winter accumulations on the higher mountains remained very deep.

(*c*) Occasional falls occurred in the Simla and Chamba hills, in the former region down to 11,000 feet. The total fall measured 1 foot in depth on the Sach pass (elevation 14,400 feet).

In Kulu there were one or two falls in the 3rd week down to 13,000 or 12,000 feet.

(*d*) In Kumaon some light falls occurred, but they were confined to the higher ranges. On the 5th there was an accumulation of about 3 feet on the Lipu Lekh pass; further the snowline was at an elevation of 14,000 feet on the Indian side and at 15,000 or 16,000 feet on the Tibet side.

Crop report.

17. *Burma.*—Ploughing for wet weather paddy was in progress and sowing for early sesamum and cotton was completed. Standing crops were on the whole in good condition.

Eastern Bengal and Assam.—Prospects of the standing crops were generally fair to good. Plucking and manufacture of tea, ploughing for and transplanting of winter rice and harvesting of early rice were being carried on.

Bengal.—Sugar-cane was doing well and jute was being weeded. Damage from excessive rain was reported from parts, but prospects on the whole were satisfactory.

United Provinces.—Harvesting of extra crops was nearly completed and fields were being prepared for autumn crops. More rain was wanted for sowings.

Punjab.—Harvesting and threshing of spring crops were in progress and cotton, sugar-cane and other autumn crops were being sown. The out-turn of spring crops was below average in some districts, but was generally average elsewhere.

North-West Frontier Province.—The standing crops were in good condition and the out-turn of spring crops as average to good. Autumn sowings were in progress.

Jammu and Kashmir.—Land was being prepared for autumnsowings, and the standing crops were in fair condition.

Rajputana.—Land was being prepared for autumn crops. Pasturage and fodder were sufficient.

Central India.—Agricultural stock and pasturage were

fair to good. Preparation of land for autumn sowings was in progress.

Central Provinces.—Autumn crops were being sown, but in parts the sowings were retarded owing to insufficient rain, while in Bilaspur some damage was done by heavy rain.

Bombay.—Preparation of lands for, and sowings of, autumn crops were in progress, but more rain was needed generally for sowing purposes.

Hyderabad.—Prospects were good. Autumn sowings were being made except in parts where more rain was wanted.

Mysore.—The standing crops were in good condition, but more rain was wanted.

Coorg.—Rice was being sown. Water and fodder were sufficient.

Madras.—Harvesting was being carried on with poor to normal out-turn. The standing crops were generally fair. Ploughing, sowing, weeding and transplanting were in progress.

J. PATTERSON.

TABLE A.—Abstract of observations taken at 10 hrs. and 16 hrs., at 37 stations in India, etc., in June, 1907.

Table

Abstract of observations taken at 10 hrs. and 16 hrs., at 37

Number of sub-division	Station.	Elevation of barometer cistern above sea-level, in feet.	Pressure.						Temperature of Air.										Temperature, Wet-bulb.			
			Mean of 10 hrs.	Mean of 16 hrs.	Mean daily range.	Mean of daily mean pressures.	Departure from normal.	Mean reduced to S. L. and gravity, 45° Lat.	Mean maximum.	Mean minimum.	Mean daily range.	Highest maximum.	Lowest minimum.	Absolute range.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of three previous columns.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	I.—Burma.																					
2	Rangoon . .	36	29·767	29·682	·085	29·730	−·002	29·703	86·5	76·7	9·8	90·4	73·7	16·7	82·8	82·6	79·6	+ 0·1	75·0	78·7	77·9	77·2
	III.—Bengal.																					
6	Calcutta . .	21	·548	·445	·103	·503	−·046	·468	90·9	79·1	11·8	97·0	71·2	25·8	86·8	88·0	84·7	+ 0·2	77·0	80·7	81·0	79·5
	IV.—United Provinces of Agra and Oudh.																					
10	Allahabad . .	309	·245	·132	·113	·191	−·009	·442	105·2	83·4	21·8	112·3	75·5	36·8	97·2	101·8	93·0	+ 2·2	72·9	76·4	76·6	75·3
11	Dehra Dun . .	2,233	27·392	27·303	·089	27·345	−·007	·460	97·0	73·0	24·0	103·4	63·7	39·7	88·9	92·7	83·5	+ 1·3	68·5†	69·1	69·4	67·3
	V.—Punjab.																					
12	Lahore . .	702	28·848	28·763	·085	28·797	+·024	·440	104·9	78·3	26·6	112·9	69·4	43·5	95·3	102·1	91·2	− 1·8	69·3	74·8	75·4	73·2
	VIII.—Rajputana.																					
19	Jaipur . .	1,431	·201	·092	·109	·145	+·012	·476	105·7	82·9	22·8	111·7	74·0	37·7	95·9	103·2	93·1	+ 2·5	69·0	73·9	74·3	72·4
	Udaipur . .	1,926	27·762	27·669	·093	27·720		·533	93·5	73·7	19·8	104·7	74·8	30·2	90·1	96·1	87·8		71·6	74·5	75·6	73·9
	IX.—Bombay.																					
26	Bombay . .	37	29·712	29·641	·071	29·678	+·005	·654	88·6	80·0	8·6	93·7	75·4	18·3	85·4	85·6	83·1	+ 0·7	76·7	79·4	79·4	78·5
	XI.—Central Provinces.																					
23	Buldana . .	2,132	27·614	27·505	·109	27·561	+·012	·585	93·2	73·2	20·0	101·8	68·1	33·7	83·8	89·8	81·2	+ 0·6	67·7	72·3	72·3	70·8
24	Nagpur . .	1,017	28·632	28·508	·124	28·576	−·002	·523	100·0	79·0	21·0	111·1	70·8	40·3	90·3	96·2	87·8	+ 1·2	70·2	75·5	76·0	73·9
	XII.—Hyderabad.																					
29	Hyderabad .	1,690	·054	27·939	·115	·004	+·004	·607	93·1	75·6	17·5	105·5	70·6	34·9	83·6	90·1	82·6	0	69·2	72·0	73·1	71·4
	XIII.—Mysore.																					
30	Bangalore . .	3,021	26·847	26·764	·083	26·813	−·010	·699	83·8	66·4	17·4	90·0	63·8	26·2	76·4	81·6	73·3	− 0·7	65·1	69·2	69·8	68·0
	Mysore . .	2,518	27·355	27·273	·082	27·321	+·011	·743	83·6	67·9†	15·7	92·4	65·6	26·8	78·0	79·9	74·0	− 0·6	66·3	69·9	71·0	69·1
	XIV.—Madras.																					
32	Periyakulam .	944	28·869	28·757	·112	28·813		·681	93·4	72·0	21·4	98·8	67·0	31·8	85·4	88·6	82·7		68·1	72·4	72·6	71·0
	Pudukkottai .	318	29·489	29·366	·123	29·428		·670	99·0	77·4	21·6	103·8	74·7	28·9	90·0	96·6	88·2		71·8	75·0	75·9	74·2
	Madras . .	22	·724	·617	·117	·685	−·014	·639	100·1	81·5	18·6	107·6	74·9	32·7	92·3	92·2	89·6	+ 1·2	73·8	77·3	78·7	76·6
	Station in the Bay.																					
	Port Blair . .	61	·768	·691	·077	·734	+·001	·725	85·3	78·3	7·0	87·2	74·4	12·8	83·2	83·0	80·6	− 0·1	74·9	77·7	77·8	76·8
	Kashmir.																					
	Srinagar . .	5,204	24·776	24·711	·065	24·746	+·050	24·717	77·0	54·3	22·7	87·2	47·7	39·5	67·9	74·1	64·5	− 5·4	51·6	63·2	68·7	61·2
	Leh . . .	11,503	19·658	19·568	·090	19·615	−·023	19·583	66·9	41·1	25·8	75·6	35·9	39·7	57·5	64·8	52·9	− 4·9	35·2	41·9	44·5	40·5
	Baluchistan.																					
	Quetta . .	5,502	24·514‖	24·447‖	·067	24·474	+·032	24·433‖	83·5‖	54·7‖	28·8	92·5	47·3	45·2	77·7‖	81·6‖	68·0‖	− 6·1	48·4‖	57·7‖	59·2‖	55·1

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

† Mean of 29 days.

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

A.

stations in India, etc., in June, 1907.

Vapour Tension in inches of Mercury.					Humidity.					Cloud.				Wind Direction.									Wind steadiness.		Wind velocity.		Rainfall.		Station.	Number of sub-division.
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.	Total number of 10 hrs. and 16 hrs. winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Mean direc. of wind.	Normal mean wind direction of month.	Average percentage.	Normal percentage.	Mean velocity in miles per diem.	Normal.	Total rainfall for the month.	Heaviest rainfall during the month.		
25	25	26	27	28	29	30	31	32	33	34	35	36	37	39	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	56	56
																									%	%					I.—Burma.	
·851	·926	·897	·912	—·009	93	83	81	90	— 3	7·8	8·5	8·2	— 0·6	1	1	1		3	26	22	4	2	S 29° W	S 24° W	73	71	66*	122	16·01	3·08	Rangoon	2
																															III.—Bengal.	
·890	·968	·967	·952	—·019	89	76	79	82	— 1	7·6	7·2	7·4	— 0·1	1	2	7	4	10	14	19		3	S 1° E	S 3° W	42	59	221	152	18·52	8·62	Calcutta	6
																															IV.—United Provinces of Agra and Oudh.	
·674	·636	·580	·616	—·127	60	39	32	45	—11	3·1	4·9	4·0	—1·1	6	7	11	11	4	2	2	9	7	N 23° E	N 10° W	23	16	139*	192	0·70	0·22	Allahabad	10
·479†	·471	·436	·476	—·160	59†	36	30	45	—17	2·6	3·3	3·0	—1·2		4	11	12	13	14	1	1	1	S 67° E	S 51° W	53	14	60	41	1·18	0·81	Dehra Dun††	11
																															V.—Punjab.	
·681	·596	·525	·581	—·036	63	37	26	44	0	1·6	1·2	1·4	—1·5	5	11	4	5	8	3		9	11	N 3° E	N 18° E	23	7	95*	86	1·41	0·79	Lahore	12
																															VIII.—Rajputana.	
·526	·595	·382	·537	—·119	48	34	23	37	—25	3·7	5·2	4·0	—0·4	2	2	4	4			4	22	22	N 62° W	N 70° W	63	43	188	153	0·54	0·46	Jaipur	19
·686	·689	·632	·674		69	46	27	52		3·3	4·2	3·8		4	2	1	3	2	5	19	22	2	S 64° W		59		265*		0·21	0·11	Udaipur	
																															IX.—Bombay.	
·871	·926	·923	·923	—·015	86	76	75	81	— 2	6·3	7·1	6·7	—0·4				1	3	12	17	21	3	S 56° W	S 63° W	72	69	323	305	22·48	6·62	Bombay	26
																															XI.—Central Provinces.	
·616	·656	·582	·631	—·026	76	58	44	59	— 4	6·2	7·5	6·9	+0·6	1	4	1	1	1		5	26	21	N 70° W	N 75° W	75	70	270*	262	8·21	1·56	Buldana	23
·631	·708	·641	·669	—·049	67	53	42	55	— 4	5·0	7·1	6·1	—1·1		6	4		2	1	11	27	9	N 82° W	N 82° W	62	55	183*	216	12·14	3·82	Nagpur	24
																															XII.—Hyderabad.	
·633	·641	·593	·637	—·071	73	58	46	61	— 3	6·9	7·0	7·0	+0·7	5	1			1		1	41	11	N 81° W	N 84° W	82	72	162*	218	5·34	1·43	Hyderabad.	29
																															XIII.—Mysore.	
·606	·632	·591	·617	—·006	93	70	55	75	+ 1	7·1	7·3	7·2							2	21	28	9	S 78° W	S 72° W	84	81	268*	223	4·46	1·42	Bangalore	30
·628†	·631	·651	·610	—·026	91†	66	64	76	+ 1	9·0	8·9	9·0	+0·5			1				25	31	3	S 74° W	S 75° W	87	79	330*	350	3·16	1·02	Mysore	
																															XIV.—Madras.	
·638	·597	·590	·61		84	51	44	59		6·0	7·1	6·6		5	9	10	2	6	5	19		4	S 36° W		8		110*		0·24	0·09	Periyakulam	32
·708	·669	·621	·666		75	47	36	53		7·3	7·7	7·5		3	2	1				21	18	15	S 88° W		72		254*		0·74	0·33	Pudukkottai	
·733	·732	·802	·773	—·060	69	49	54	59	— 7	5·2	6·6	5·9	—0·3			2	2	8	2	5	38	3	S 78° W	S 37° W	59	57	194	211	2·75	1·40	Madras	
																															Station in the Bay.	
·820	·881	·885	·878	—·057	85	78	78	82	— 6	8·1	8·1	8·1	+0·3			1		2	6	25	24	2	S 61° W	S 45° W	78	78	288*	250	12·01	3·97	Port Blair	1
																															Kashmir.	
·356	·536	·656	468	—·067	33	77	76	79‡	0	3·4	6·5	5·0	+1·4	18	9	3	2	1	6		3	18	N 33° W	N 9° E	23	7	92*	91	4·01	2·58	Srinagar	14
·158	·134	·123	·134	—·034	61	28	20	37	— 2	4·3	5·5	4·9	—0·1		5	6	2	1	9	10	27		S 74° W	S 81° W	47	24	62	62	0·04	0·03	Leh	
																															Baluchistan.	
·283§	·273§	·274‖	·276	—·065	65§	30§	27‖	41	+ 2	1·7§	2·4§	2·1	+1·0	28	3		1		2	1	4		N 86° W	N 72° W	9	39	47* ¶	72	0·73	0·72	Quetta**	16

‡ Mean of three previous columns.
of hill or plateau stations, the elevations of which exceed 3,250 feet.

§ Mean of 20 days. ‖ " " 19 " ¶ Mean of 19½ days. * Corrected.

** Wind observations 21 less.
†† Wind observations 3 less.

Table

Abstract of observations taken at 10 hrs. and 16 hrs., at 37

Number of sub-division.	Station.	Elevation of barometer above sea-level, in feet.	Pressure.						Temperature of Air.										Temperature, Wet-bulb.			
			Mean of 10 hrs.	Mean of 16 hrs.	Mean daily range.	Mean of daily mean pressures.	Departure from normal.	Mean reduced to S. L. and gravity, 45° Lat.	Mean maximum.	Mean minimum.	Mean daily range.	Highest maximum.	Lowest minimum.	Absolute range.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of three previous columns.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	Hill Stations, excluding Kashmir and Baluchistan.																					
	Simla	7,224	23·022	22·979	·043	22·994	+·001	22·956	74·4	59·8	14·6	81·2	49·1	32·1	68·7	71·8	66·3	−0·6	50·3	54·9	56·9	54·0
	Sarain§		·061	23·003	·058	23·027			75·6	54·1	21·5	83·2	46·2	37·0	70·3	72·5	64·1			54·0	56·1	
	Kalabagh§		20·097	20·070	·027	20·079			55·9	45·6	10·3	61·0	35·1	25·9	51·0	54·0	50·0			42·6	45·1	
	Chakrata	7,022	23·192	23·148	·044	23·168	+·011	23·128	76·2	59·6	16·6	83·8	50·7	33·1	71·6	71·6	67·1	+0·7	51·6	58·4	58·7	56·2
	Muktesar	7,556	22·783	22·732	·051	22·751		22·709	75·2	59·0	16·2	79·7	52·4	27·3	67·6	69·8	66·3		51·2	56·2	59·1	55·5
	Katmandu	4,388	25·514	25·411	·103	25·459	+·056†	25·413	83·5	66·5	17·0	90·6	58·4	32·2	78·0	79·1	74·2	+0·3†	63·6	69·4	69·7	67·6
	Darjeeling	7,376	22·915	22·881	·034	22·894	−·002	22·849	64·5	55·2	9·3	68·4	51·1	17·3	61·4	62·6	59·1	−0·8	54·2	60·0	61·4	58·5
	Pachmarhi	3,528	26·221	26·191	·090	26·237	+·006	26·184	90·0	72·2	17·8	97·6	64·0	33·6	81·5	87·2	80·3	+2·1	64·3‡	69·0	70·1	67·8
	Mount Abu	3,945	25·891	25·830	·061	25·861	+·015	25·812	83·2	67·6	15·6	91·4	61·9	29·5	76·8	80·6	74·6	−0·3	62·1	67·2	68·9	66·1
	Chikalda	3,642	26·179	26·088	·091	26·135	+·008	26·079	86·9	68·4	18·5	97·3	61·6	35·7	77·5	84·3	76·9	+1·5	63·2	67·0	68·9	66·4
	Ootacamund	7,322	22·993	22·936	·057	22·962		22·897	63·8	52·6	11·2	70·2	49·7	20·5	60·6	59·8	57·4		50·7	56·2	56·0	54·3
	Kodaikanal	7,688	·791	·729	·062	·760		·696	65·5	53·6	11·9	74·7	50·9	23·8	61·7	60·5	59·5		49·2	55·9	56·9	54·0
	Dodabetta	8,539‖	·003	21·949	·054	21·973		21·910	58·1	49·0	9·1	66·0	44·8	21·2	55·9	54·9	53·6		49·0‖	52·9	52·5	52·2
	Extra India.																					
	Minicoy	7	29·917	29·860	·057	29·894		29·826	86·9			92·1				84·8	84·2			79·5	78·8	
	Zanzibar	72	30·076	·962	·114	30·024	−·020	30·023	82·1	73·6	8·5	83·6	72·0	11·6	77·2	81·2	77·3	0	68·3	71·8	71·9	70·7
	Diego Garcia								Observations not received.													
	Seychelles	15	29·989	·914	·075	29·954	+·007†	29·893	81·8	76·8	5·0	83·6	74·2	9·4	80·0	80·8	78·2	+0·6†	70·3	74·0	74·2	72·8
	Mauritius	181				·912	−·064	30·042				77·3	53·3	24·0			68·5	−0·2				64·8

† Departures from old normals. ‡ Mean of 28 days. § Observation of 28 days. ‖ Mean of 14 days.

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

A—*concluded.*

***stations in India, etc., for June, 1907*—concluded.**

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
																									%	%					Hill Stations, excluding Kashmir and Baluchistan.	
·271	·294	·310	·291	−·106	53	42	41	45	−16	2·5	3·6	3·1	−2·6	3	22			2	16	1	7	9	N 51° W	N 17° W	27	20	129*	108	1·27	0·67	Simla.	
	·261	·283				35	36			2·9	4·1	3·5		8	7		5		19	10	7		S 25° W		35		87*		0·65	0·19	Sarain.††	
	·203	·225				55	54			3·0	5·2	4·1		6	2		1	14	26		2	5	S 10° E		55		293*		1·24	0·42	Kalabagh.	
·303	·354	·364	·339	−·071	60	48	48	52	−14	3·2	5·1	4·2	−0·9	14	2			14	30				S 15° E	S 66° W	67	48	184*	178	2·75	2·05	Chakrata.	
·303	·339	·399	·346		62	51	57	57		4·2	5·4	4·8		8			1			1	49	1	W		82		193*		2·93	1·33	Muktesar.	
·560	·618	·617	·597	−·043	86	66	63	72	− 4	5·1	6·3	5·7	−0·5				13				47		W	N 87° W	57	20	28	31	8·75	1·98	Katmandu.	
·415	·510	·536	·486	−·006	95	94	93	94	0	8·3	8·3	8·3	−0·5	17		1		7	1	18	10	6	S 58° W	S 15° W	42	8	94*	122	23·24	2·83	Darjeeling.	
·514	·567	·527	·542	−·072	67	56	45	56	− 9	3·2	3·7	3·5	−3·3		1	3		5		16	18	17	N 89° W	N 81° W	60	63	281*	221	4·61	1·83	Pachmarhi.	
·499	·557	·576	·547	−·019	75	63	57	65	− 1	4·4	5·2	4·8	0		3	5		9	7	32	4		S 29° W	S 48° W	56	66	293*	274	3·65	1·96	Mount Abu.	
·526	·541	·527	·594	−·063	76	61	48	62	− 8	5·5	6·1	5·8	−0·9	6	13	8		1		4		28	N 25° W	N 42° W	63	58	190*	242	9·24	2·34	Chikalda.	
·350	·410	·412	·387		88	78	80	82		7·8	8·9	8·4			4		1	4	2	15	28	6	S 80° W		67		139*		7·00	0·84	Ootacamund.	
·313	·389	·433	·378		76	72	82	76		6·2	7·8	7·0			3	5	5	1	2	3	18	23	N 57° W		55		344		1·94	0·46	Kodaikanal.	
·340‖	·373	·375	·366		94‖	84	87	85		8·0	8·9	8·5			7	3	2	2	7	14	17	8	S 82° W		45		661*		5·57	0·55	Dodabetta.	
																															Extra India.	
	·935	·913				79	78			7·0	7·3	7·2			1					15	24	20	N 86° W		82		395*		9·49	2·16	Minicoy.	
·628	·712	·661	·705	−·033	75	76	62	73	− 4	3·7	4·2	4·0	−0·8					14	31	14	1		S 1° W	S 4° E	85	87	218*	211	0·72	0·32	Zanzibar.	
											Obs	erva	tions	not	rece	ived.														Diego Garcia.	
·660	·767	·761	·745	−·036	72	74	72	75	− 4	5·0	5·1	5·1	−2·0	8		1	3	29	22	2			S 28° E	S 27° E	82	81	257	258	0·49	0·16	Seychelles.	
			·557	+·019				·80	+ 4			6·4	+1·7										S 61° E	S 61° E			222	269	4·21	1·14	Mauritius.	

* Corrected.

†† Wind observations ¼ less

¶ Observations of 27½ days.

G. I. C. P. O.—No. 280 Meteo.—2-6-08.—385.—W.H.D.R.

Table B.—Abstract of observations taken at 8 hrs. at 237 stations in India, etc., in June 1907.

(1) Provincial means.

(2) Data of stations.

(1) Provincial means based on the material in Table B (2) except that the statement of rainfall depends on the complete data of about 2,500 stations.

	Pressure departure from normal.	Temperature of air.								Wind.		Hygrometry.				Cloud.		Rainfall.		
		Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Absolute range during month.	Departure of velocity from normal.	Departure of steadiness from normal.	Mean humidity.	Departure from normal.	Mean vapour tension.	Departure from normal.	Mean cloud amount.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.
Burma	—·001	87·9	—0·7	75·7	+0·1	81·8	—0·3	12·2	22·9	—0·3	— 9	88	+ 1	·883	—·001	7·2	—0·6	15·08	15·05	+0·03
Eastern Bengal and Assam	—·011	88·2	—0·5	76·3	—0·6	82·3	—0·5	11·9	26·1	+0·8	+ 4	88	0	·913	—·024	7·0	—0·3	16·65	17·09	—0·44
Bengal	—·033	94·7	- 0·1	78·7	—0·1	86·7	—0·1	15·9	33·8	+1·2	— 8	79	— 2	·896	—·029	5·7	—0·5	11·18	9·40	+1·78
United Provinces of Agra and Oudh.	+·006	103·5	+3·5	81·5	+0·5	92·5	+2·0	22·1	36·0	—0·2	— 3	33	—16	·715	—·117	2·3	—2·5	1·18	5·00	—3·82
Punjab	+·029	104·0	—1·6	78·9	—2·3	91·5	—2·0	25·0	43·2	+0·3	—13	46	— 6	·602	—·093	1·5	—1·3	1·23	2·03	—0·80
North-West Frontier Province	+·046	102·8	—4·2	75·5	—3·8	89·2	—4·0	27·3	47·7	—0·8	+ 3	48	— 2	·600	—·096	2·2	+0·6	1·23	0·83	+0·40
Sind	+·030	101·9	—1·7	81·3	—1·4	91·6	—1·6	20·6	45·1	—4·6	—21	66	+ 3	·861	+·012	3·7	+0·4	2·28	0·41	+1·87
Rajputana	+·030	104·5	+1·7	82·9	+0·9	93·7	+1·3	21·6	36·2	+0·8	+ 4	53	— 7	·693	—·062	2·9	—1·0	0·59	2·70	—2·11
Bombay	+·010	92·6	+1·0	76·9	—0·2	84·8	+0·4	15·7	28·2	—0·7	— 5	77	— 1	·837	—·010	6·2	—0·3	7·25	9·42	—2·17
Central India	+·012	101·4	+3·2	80·4	+1·6	90·9	+2·4	21·0	34·2	—0·5	— 3	55	—11	·690	—·063	5·1	+0·1	1·62	6·78	—5·16
Central Provinces	+·008	99·6	+2·6	77·7	—0·3	88·7	+1·2	22·0	38·4	+1·3	— 3	60	— 7	·673	—·068	4·7	—1·0	6·45	6·88	—0·43
Hyderabad	+·010	95·5	+0·6	75·4	0	85·5	+0·3	20·1	35·8	—1·3	+ 4	66	— 4	·677	—·047	6·0	+0·2	5·38	4·76	+0·62
Mysore	+·005	83·9	+0·2	67·5	—0·2	75·7	0	16·4	29·1	—0·9	— 5	82	0	·656	+·003	7·9	—0·2	4·59	4·22	+0·37
Madras	—·004	94·1	—0·1	77·8	+0·2	86·0	+0·1	16·3	28·9	+1·5	+ 4	72	0	·793	—·015	6·3	—0·1	6·71	5·45	+1·26

Table

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

Number of sub-division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.		Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	I.—Burma.																						
2	Mergui . .	119	29·731	−·016	29·782	29·89	20th	29·582	9th	·238	79·9	86·9*	+1·2*	75·7*	+2·6*	81·3*	+1·9*	11·2	91·4	26th	70·9	27th	20·5
	Tavoy . . .	19	29·842	−·003	29·793	29·27	20th	29·761	9th	·166	77·9	84·4	−0·4	75·5	+0·8	80·0	+0·2	8·9	89·5	14th	72·8	17th	16·7
	Moulmein . .	94	29·722	0	29·754	29·825	20th	29·659	9th	·166	74·7	85·2	+0·6	75·0	+0·2	80·1	+0·4	10·2	91·0	14th	71·3	15th	19·7
	Rangoon . .	36	29·759	−·003	29·732	29·845	19th	29·701	15th	·144	80·0	86·6	+0·1	76·9	+0·4	81·8	+0·3	9·7	90·6	2nd	73·9	24th, 27th & 28th.	16·7
	Bassein . .	27?	29·750	+·001	29·714	29·834	19th	29·675	24th	·159	80·3	87·1	+0·8	76·5	+0·2	81·8	+0·5	10·6	91·2	4th	73·4	28th	17·8
	Diamond Island .	41	29·730	−·012	29·706	29·823	5th	29·655	15th	·168	82·7	86·2	+0·6	77·1	+0·7	81·7	+0·7	9·1	88·9	9th	72·2	22nd	16·7
	Toungoo . .	183	29·604	+·013	29·729	29·697	19th	29·542	27th	·155	80·0	89·0	−0·1	75·8	+0·3	82·4	+0·1	13·2	96·4	15th	70·6	7th	25·8
	Akyab . . .	20	29·682	−·019	29·645	29·797	4th & 5th.	29·511	23rd	·286	81·0	85·2	−0·8	78·0	−0·1	81·6	−0·5	7·2	90·9	12th, 15th & 16th.	71·7	1st	19·2
3	Thayetmyo . .	121	29·639*	+·014*	29·701*	29·720	20th	29·569	25th	·151	80·9	90·8	−0·6	76·6	−0·2	83·7	−0·4	14·2	98·5	5th & 7th.	74·9	4 days	23·6
	Minbu . .	*165*	29·562†	−·004†	29·671†	29·656	20th	29·471	24th	·185	79·8	92·0	−1·0	77·0	−0·8	84·5	−0·9	15·0	99·7	3rd & 5th.	74·1	9th	25·6
	Yamethin . .	657	29·091	−·002	29·700	29·174	16th	29·020	27th	·154	78·4	88·3	−3·6	74·5	−0·8	81·4	−2·2	13·8	93·8	6th	70·2	7th	23·6
	Mandalay . .	250	29·484	+·009	29·683	29·561	19th	29·386	23rd	·175	82·0	92·5	−2·5	78·1	−0·4	85·3	−1·5	14·4	98·0	6th	71·3	8th	26·7
	Monywa . .	*980*	29·465		29·684	29·551	12th	29·356	23rd	·195	81·6	92·6		77·4		85·0		15·2	99·3	6th	70·6	8th & 9th.	28·7
	Lashio . . .	*2,751*	26·972	−·020	26·918	27·050	6th & 12th.	26·901	24th	·149	72·5	82·3	−3·2	68·8	−0·5	75·5	−1·9	13·5	89·5	3rd	63·0	7th & 8th.	26·5
	Bhamo . .	*381*	29·349	+·022	29·687	29·455	7th	29·247	23rd	·208	77·6	89·9	−0·6	73·2	−1·7	81·6	−1·2	16·7	95·9	15th	65·1	8th	30·8
	Myitkyina . .	458	29·238*		29·655*	29·370	7th	29·113	28th	·257	77·8	86·9		74·4		80·6		12·5	94·2	12th	67·1	8th	27·1
	II.—Eastern Bengal and Assam.																						
4	Dibrugarh . .	353	29·324		29·638	29·426	11th	29·178	23rd	·248	76·8	86·3		73·4		79·9		12·9	96·4	21st	66·0	7th	30·4
	Sibsagar . .	333	29·372	+·021	29·663	29·463	11th	29·225	24th	·238	77·7	86·1	−3·2	75·0	−1·4	80·6	−2·3	11·1	95·6	26th	67·2	7th	28·4
	Tezpur . .	252	29·418		29·629	29·520	11th	29·271	24th	·249	78·3	87·2		75·4		81·3		11·8	95·1	26th	66·9	7th	28·2
	Gauhati . .	195	29·476		29·627	29·586	11th	29·323	24th	·263	79·0	88·9		74·8		81·9		14·1	95·5	25th	68·0	7th	28·5
	Dhubri . .	115	29·526	−·010	29·597	29·679	12th	29·381	24th	·298	77·9	85·4	−0·3	74·7	−1·7	80·1	−1·0	10·7	92·2	27th	68·7	7th	23·5
	Silchar . .	104	29·583	−·004	29·649	29·719	4th	29·388	23rd	·331	78·5	87·7	−1·7	74·5	−1·7	81·1	−1·7	13·2	97·6	25th	69·3	1st	28·3
5	Chittagong . .	87	29·582*	−·015*	29·617*	29·745	4th	29·326	24th	·419	80·4	87·3	+0·7	76·1	−0·5	81·7	+0·1	11·2	91·6	17th	69·9	1st	21·7
	Noakhali . .	43	29·598		29·588	29·739	4th	29·344	24th	·395	81·7	86·7		77·3		82·0		9·4	89·8	8th & 17th.	67·9	19th	21·9
	Barisal . .	12	29·601	−·033	29·559	29·763	4th	29·237	24th	·526	82·9	88·5	−0·2	78·2	+0·1	83·4	−0·1	10·2	92·3	12th	70·1	1st & 9th.	22·2
	Comilla . .	36	29·610		29·591	29·749	4th	29·380	24th	·369	81·6	88·8		77·0		83·0		11·8	93·3	17th	70·3	1st & 3rd.	23·0
	Narayanganj .	26	29·594	−·020	29·568	29·730	4th	29·363	24th	·367	82·2*	89·5*	+0·5*	78·2*	−0·1*	83·9*	+0·2	11·3	93·5	17th	70·8	1st	22·7
	Faridpur . .	46	29·569		29·565	29·711	12th	29·343	24th	·368	82·3	89·3		76·9		83·1		12·4	93·3	7th	69·9	1st	23·4
	Sirajganj . .	49	29·575		29·574	29·713	12th	29·390	25th	·323	81·2	89·0		77·0		83·0		12·0	94·3	6th	69·2	1st	25·1
	Mymensingh .	63	29·583	−·019	29·593	29·716	12th	29·405	24th	·311	81·4	87·6	+0·4	76·5	−0·4	82·1	0	11·1	92·1	6th, 24th & 28th.	69·1	1st	23·0
	Bogra . . .	75	29·542	−·019	29·569	29·674	12th	29·378	25th	·296	81·7	89·3	−0·5	77·3	+0·1	83·3	−0·2	12·0	96·7	6th	68·7	1st	28·0
	Rampur Boalia .	70	29·522		29·541	29·662	12th	29·278	25th	·384	82·7	92·0		78·0		85·0		14·0	104·0	7th	68·1	1st	35·9
	Malda . . .	72	29·505*		29·528*	29·616	13th	29·305	25th	·341	81·4	91·2		76·7		84·0		14·5	103·8	7th	67·8	1st	36·0
	Dinajpur‡‡ . .	123	29·493¶	−·009¶	29·571¶	29·623	12th	29·346	25th	·277	79·9	89·2	−0·3	76·5	−1·0	82·9	−0·7	12·7	100·3	6th	70·0	1st	30·3
	Rangpur . .	123	29·519		29·597	29·647	11th	29·381	24th	·266	79·9	87·2		76·7		82·0		10·5	92·6	25th	70·6	1st	22·0

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

* Mean of 29 days.
† , 26 ,,

Nora—The barometric readings are not reduced to sea-level in the cases of hill or plateau stations, the elevations of which exceed 3,200 feet.
‡‡ Observations of 29 days. ¶ Mean 28 days.

B.

tations in India, etc., in June, 1907.

Wind Direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind Velocity. Mean velocity in miles per hour.	Normal.	Departure from normal.	Wind steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 30th June 1907.	Normal rainfall for period, 1st May to 30th June.	Departure from normal of period, 1st May to 30th June 1907.	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
																																1.—Burma.
13		1	1	4	6	2	3		S 1° E	S 79° W	1·5	1·8	−0·3	32	−25	90	− 1	·904	+·010	3·5	−3·8	20	24·20	−4·20	20·65	30·29	−9·64	42·18	49·55	−7·37	3·52	Mergui.
28					1		1		S 45° W	S 55° W	1·7‡	2·1	−0·4	3	−12	92	0	·884	−·004	6·7	−0·9	27	25·80	+1·20	42·65	39·88	+2·77	90·95	65·93	+25·02	7·62	Tavoy.
20		1	1	2	2	4			S 3° E	S 14° E	2·1	3·7	−1·6	18	−34	94	+ 2	·899	+·009	8·8	+0·9	24	26·10	−2·10	38·74	36·38	+2·36	84·50	55·78	+29·72	4·48	Moulmein.
		4	2	2	11	6	3	2	S 7° W	S 37° W	5·6	5·1	+0·5	40	−27	89	− 4	·915	−·013	8·4	−0·4	19	24·80	−5·80	16·01	17·52	−1·51	33·91	28·74	+5·17	3·08	Rangoon.
6	1		1	6	8	7	1		S 3° W	S 13° W	9·1‡	4·6	+4·5	53	− 6	92	0	·954	+·015	7·4	−0·6	21	24·50	−3·50	24·33	23·42	+0·91	46·12	33·72	+12·40	4·22	Bassein.
		1	1	5	2	19	1	1	S 29° W	S 39° W	12·1	9·6	+2·5	66	− 4	86	+ 3	·965	+·062	7·0	−1·4	20	21·73	−1·73	31·11	23·17	+10·94	43·21	33·60	+9·61	8·41	Diamond Island.
7		1		18	3	1			S 39° E	S 32° E	3·7	5·1	−1·4	66	−19	91	+ 1	·943	+·017	8·4	−0·5	21	20·80	+0·20	18·42	14·15	+4·27	32·64	20·43	+12·21	2·65	Toungoo.
4			8	5	12	1			S 33° E	S 48° E	5·4	3·8	+1·6	62	+10	92	− 1	·976	+·004	8·3	−0·7	24	24·40	−0·40	52·33	44·79	+7·54	71·63	56·67	+14·96	9·25	Akyab.
		1	1	8	13	7			S 6° E	S 6° E	8·5‡	7·7	+0·8	76	−17	82	− 1	·869	−·005	7·1	−1·2	9	13·90	−4·90	4·79	6·34	−1·55	8·68	10·47	−1·79	1·13	Thayetmyo.
				23	2	5			S 31° W	S 48° E	8·8	11·7	−2·9	82	+11	84	+ 2	·873	−·017	6·9	+1·2	8	9·10	−1·10	4·56	4·54	+0·02	8·20	10·55	−2·35	1·03	Minbu.
30									§	S 29° E	4·3	9·9	−5·6	§		85	+ 4	·831	−·019	9·1	+3·9	14	7·40	+6·60	9·90	4·26	+5·64	15·35	11·02	+4·33	2·20	Yamethin.
7		1	1	5	15	1			S 14° E	S 1° W	8·6	8·8	−0·2	66	− 6	78	+ 3	·853	−·013	2·2	−4·4	10	6·50	+3·50	4·86	5·79	−0·93	7·03	11·34	−4·31	1·07	Mandalay.
3				6	12	5	1	3	S 8° W		4·3			59		78		·851		7·3		4	6·80	−2·80	2·88	5·26	−2·38	9·14	8·80	+0·34	0·94	Monywa.
11	2	1	4	2	3	5	1	1	S 11° E		3·3‡			17		88	+ 1	·706	−·024	8·3	+0·1	16			10·92	10·70	+0·22	14·43	16·83	−2·40	1·69	Lashio.
23		7							N 45° E	N 81° W	1·4	2·4	−1·0	27	+17	90	+ 1	·852	−·034	7·3	−0·3	15	19·10	−4·10	12·91	13·72	−0·81	14·79	20·18	−5·39	3·29	Bhamo.
28			1		1				S 45° E		7·7‡			3		89		·855		9·0		17			14·29			17·03			2·93	Myitkyina.
																															11.—Eastern Bengal and Assam.	
25		3	2						N 62° E		0·6			13		95		·872		9·2		19	18·10	+0·90	15·88	19·03	−3·15	23·42	33·63	−10·21	1·96	Dibrugarh.
5	1	11			1		8	4	N	N 70° E	2·5	2·8	−0·3	17	− 8	91	− 1	·860	−·078	8·2	−0·6	18	16·70	+1·30	18·43	13·59	+4·84	28·47	26·21	+2·26	3·70	Sibsagar.
18		4	8						N 75° E		4·1			37		91		·879		7·9		16	16·00	0	13·17	11·87	+1·30	18·33	21·99	−3·66	2·47	Tezpur.
7	6	6	3	2		3		3	N 27° E		2·7			33		88		·879		7·4		19	14·50	+4·50	16·58	11·22	+5·36	24·55	20·98	+3·57	3·23	Gauhati.
4	1	5	16	1	1	2			N 86° E	N 77° E	11·0	5·7	+5·3	62	+18	92	+ 1	·890	−·012	8·9	+0·8	19	18·10	+0·90	18·37	23·17	−4·80	27·60	38·60	−11·00	5·20	Dhubri.
30									§	N 85° E	0·5	2·8	−2·3	§		89	0	·870	−·053	6·3	−2·7	22	21·10	+0·90	36·31	21·99	+14·32	41·80	39·23	+2·57	6·82	Silchar.
1		1	1	24	1	2			S 43° E	S 44° E	9·5	7·0	+2·5	82	+ 8	87	+ 1	·902	−·020	7·7	−0·1	15	16·74	−1·74	9·62	21·76	−12·14	15·45	32·07	−16·62	2·05	Chittagong.
2			9	9	9	1			S 43° E		8·6			69		87		·936		4·8		17	18·39	−1·39	14·44	23·29	−8·85	28·80	33·35	−4·55	3·50	Noakhali.
5		1	3	9	9	3			S 25° W	S 17° E	3·8	4·4	−0·6	62	+21	87	0	·981	−·003	5·7	−2·4	17	16·52	+0·48	17·36	15·02	+2·34	31·69	24·21	+7·48	4·76	Barisal.
1			6	12	11				S 37° E		6·5			76		85		·922		4·5		16	17·39	−1·39	8·13	17·91	−9·78	16·22	28·92	−12·70	0·97	Comilla.
			11	9	10				S 47° E	S 32° E	7·6	7·6	0	76	+ 6	87*	− 2	·962*	−·020	7·8	−0·7	11	15·39	−4·39	9·28	12·64	−3·36	15·79	22·08	−6·29	3·14	Narayanganj.
			7	11	12				S 37° E		6·3			82		87		·969		6·2		15	14·28	+0·72	12·23	12·75	−0·52	24·08	21·05	+3·03	4·55	Faridpur.
10		1	6	8	4	1			S 50° E		5·5			53		88		·944		8·1		12	13·32	−1·32	10·12	11·57	−1·45	13·93	19·52	−5·59	3·85	Sirajganj.
2	1		16	7	3	1			S 69° E	S 61° E	4·4	4·0	+0·4	69	+ 2	87	− 3	·930	−·007	8·6	+1·0	19	18·90	+0·10	12·02	17·34	−5·32	21·51	30·30	−8·79	1·74	Mymensingh.
9		7	8	3		1		2	N 75° E	S 66° E	3·9	4·0	−0·1	46	−21	86	− 2	·927	−·025	6·9	+0·2	9	14·25	−5·35	9·80	12·90	−3·10	18·64	20·94	−2·30	3·08	Bogra.
19		1	1	4	3	2			S 23° E		7·9			27		83		·935		6·2		12	12·58	−0·58	9·23	10·70	−1·47	13·83	16·24	−2·41	1·72	Rampur Boalia.
		13	7	9	3	1			S 81° E		9·0‡			66		88		·948		4·5		10	12·16	−2·16	12·18	9·89	+2·29	15·31	13·74	+1·57	2·43	Malda.
1	1	8	15	3	1				N 82° E	S 78° E	6·5	4·4	+2·1	82	+ 8	91	+ 2	·934	+·006	8·8	+0·8	13	13·45	−0·45	16·65	13·17	+3·48	20·68	21·62	−0·94	3·02	Dinajpur.
9		6	10	3	2				N 89° E		2·5*			54		87		·892		5·2		14	15·61	−1·61	15·16	20·01	−4·85	27·85	30·32	−2·47	3·67	Rangpur.

§ Indeterminate.

‡ Uncorrected readings.

Table

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

Number of sub-division.	Station.	Elevation of bar-cistern above sea-level in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity at 45° Lat.,	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean, between maximum and minimum	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	II.—Eastern Bengal and Assam—*concld.*																						
	Jalpaiguri	284	29·366*	—·002*	29·608*	29·483	12th	29·237	23rd	·246	76·2	87·6	−0·3	76·2	+1·0	81·9	+0·4	11·4	92·9	25th	70·6	8th	22·3
	Cooch Behar	156	29·497		29·609	29·626	12th	29·364	24th	·262	79·0	87·9		75·4		81·7		12·5	94·4	25th	70·6	1st, 7th & 8th.	23·8
	III.—Bengal.																						
6	Saugor Island	25	29·541	—·042	29·509	29·724	4th	29·192	18th	·532	84·7	90·6	+0·2	81·6	−0·1	86·1	+0·1	9·0	96·9	14th	76·8	19th	20·1
	Midnapore†	149	29·418	−·040	29·512	29·563	4th	29·239	18th	·324	83·8	94·0		79·2		86·6		14·8	106·4	8th	73·7	3rd	32·7
	Calcutta	21	29·542	—·044	29·509	29·714	11th	29·135	25th	·579	83·5	91·2	+0·1	79·0	+0·5	85·1	+0·3	12·2	97·1	7th	71·2	3rd	25·9
	Jessore	33	29·552	—·037	29·531	29·706	11th& 12th.	29·279	25th	·427	83·4	90·1	−1·4	76·4	−0·4	84·3	−0·9	11·7	96·5	7th	70·7	1st	25·8
	Krishnagar	47	29·513		29·508	29·671	3rd	29·130	25th	·541	82·5	92·9		78·2		85·6		14·7	104·6	8th	68·0	1st	36·6
	Burdwan	99	29·452	—·056	29·499	29·619	11th	28·863	25th	·756	82·8	93·4	−0·4	78·0	−1·3	85·7	−0·9	15·4	103·9	7th & 8th	70·8	11th & 19th.	33·1
	Bankura	213	29·219	−·071	29·480	29·381	13th	28·748	25th	·633	83·7	96·7*		79·5		88·1*		17·2	113·1	7th & 8th	75·2	19th, 25th & 26th.	37·9
	Raniganj	334	29·221		29·505	29·386	13th	28·791	25th	·595	82·2	96·1		78·9		87·5		17·2	111·5	8th	73·9	20th	37·6
	Berhampore	67	29·510	—·035	29·526	29·657	12th	29·209	25th	·448	83·2	93·3	+0·9	78·3	−0·2	85·8	+0·4	15·0	105·3	7th	71·2	1st	34·1
	Naya Dumka	499	29·068		29·510	29·214	13th	28·651	19th	·563	82·7	95·3		78·5		86·9		16·8	110·4	7th	74·9	19th & 21st.	35·5
7	Balasore	50	29·513	—·043	29·507	29·681	4th	29·283	25th	·398	84·2	93·6	+1·7	80·4	+1·8	87·0	+1·8	13·2	108·0	8th	76·3	25th	31·2
	False Point	21	29·572	−·029	29·535	29·745	4th	29·418	24th	·327	83·7	88·2	−2·1	79·4	−0·7	83·8	−1·4	8·8	91·1	5 days	71·6	10th	19·5
	Cuttack	90	29·505	—·027	29·528	29·665	4th	29·382	25th	·283	83·6	93·8	−1·7	79·5	−0·6	86·7	−1·2	14·3	105·9	3rd	74·7	10th & 22nd.	31·2
	Puri	24	29·574		29·536	29·732	5th	29·440	17th	·292	83·6	87·9		80·4		84·2		7·5	91·6	4th, 5th & 12th.	74·6	22nd & 26th.	17·0
	Angul	455	29·125		29·534	29·272	4th	28·997	25th	·275	83·3	95·3		78·0		86·7		17·3	111·2	2nd, 3rd & 8th.	71·1	10th	40·1
	Sambalpur	486	29·090	—·039	29·518	29·209	4th	28·942	26th	·267	85·5	98·2	+0·9	80·4	−0·3	89·3	+0·3	17·8	111·6	8th	71·6	27th	40·0
8	Chaibasa	*760*	28·800	—·031	29·507	28·962	3rd	28·586	25th	·376	82·6	96·5	+0·3						113·4	7th			
	Ranchi	2,128	27·471	−·027	29·517	27·629	4th	27·296	25th	·333	80·7	91·7	+0·6	75·3	+1·2	83·8	+0·9	15·9	105·2	1st & 7th	69·9	26th & 27th.	35·3
	Purulia	*816*	28·728		29·485	28·882	4th	28·446	25th	·436	82·0	97·3		78·8		88·1		18·5	113 8	7th	72·1	26th	41·7
	Hazaribagh	2,007	27·578	−·029	29·502	27·719	4th	27·393	26th	·326	82·0	92·4	−0·1	76·5	+0·7	84·5	+0·3	15·9	105·6	7th	69·3	26th	36·3
	Daltonganj	*730*	28·828		29·505	28·961	4th	28·655	26th	·295	85·0	99·2		79·9		89·6		19·3	112·1	1st & 7th	73·0	4 days	39·1
9	Purnea	123	29·435*	—·004*	29·564*	29·612	13th	29·341	25th	·271	80·6	91·4	−0·7	76·0	−1·3	83·7	−1·0	15·4	100·8	5th	67·7	10th	33·1
	Bhagalpur	160	29·421		29·532	29·557	13th	29·197	19th	·360	83·2	93·6		77·7*		85·8*		15·9	108·2	7th	69·8	1st	38·4
	Monghyr	155	29·419		29·524	29·541	13th	29·279	25th	·262	83·3	91·5		77·8		86·2		16·7	106·9	6th & 7th	70·9	1st	36·0
	Darbhanga	166	29·428*	—·007*	29·548*	29·543	13th	29·325	23rd	·218	81·4	93·0	+0·6	77·7	−1·5	85·4	−0·5	15·3	104·6	6th	71·3	1st	33·3
	Pusa	166	29·421			29·519	12th& 13th.	29·331	23rd	·188	82·3	94·0		77·7		85·9		16·3	107·2	7th	71·3	1st	35·9
	Muzaffarpur	178	29·415		29·547	29·516	14th	29·317	23rd	·199	83·6	94·6		78·0		86·4		16·6	107·8	6th	71·0	18th	36·8
	Motihari	228	29·368		29·561	29·462	12th& 14th.	29·263	23rd	·199	81·2	94·2		77·1		85·7		17·1	105·9	6th	72·3	1st	33·6
	Chapra	181	29·397		29·530	29·489	12th	29·310	23rd	·179	85·0	104·5*		75·0		89·8*		29·5	106·4	6 days	72·6	20th & 21st.	33·8
	Patna	183	29·389	—·014	29·524	29·499	3rd	29·299	26th	·200	84·9	96·1	−0·3	79·5*	−0·5*	87·6*	−0·4	16·6	107·0	6th	74·7	8th & 20th.	33·3
	Arrah	190	29·397		29·537	29·479	3rd & 4th.	29·301	26th	·175	84·2	97·6		79·6		88·6		18·0	109·9	6th	73·6	20th	36·3
	Buxar	236	29·323		29·515	29·419	4th	29·221	1st	·198	85·7	98·2		8·06		89·4		17·6	110·0	7th	73·1	20th	36·9
	Dehri	351	29·209		29·509	29·318	4th	29·101	26th	·217	87·0	99·4		81·4*		90·2*		18·0	113·0	7th	72·0	20th	41·0
	Gaya	375	29·177	—·025	29·501	29·289	4th	29·051	26th	·238	86·4	99·3	−0·3	80·8*	+0·6*	89·8*	+0·2	18·5	111·0	7th & 9th	73·2	20th	37·8
	IV.—United Provinces of Agra and Oudh.																						
10	Gorakhpur	257	29·324	+·009	29·534	29·420	20th	29·223	1st	·197	85·7	99·1	+2·2	79·1	−0·6	89·1	+0·8	20·0	109·6	7th	73·5	22nd.	36·1
	Benares	267	29·297	0	29·513	29·402	4th	29·205	1st	·197	87·8	100·4	+0·3	80·6*	−1·3*	90·6*	−0·5	19·8	110·6	7th	72·7	1st	37·9
	Allahabad	309	29·245	—·007	29·502	29·360	4th	29·154	25th	·206	91·1	105·5	+3·8	83·2	+0·7	94·4	+2·3	22·3	112·1	7th, 11th & 12th.	75·5	21st	36·6

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

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

* Mean of 29 days.

† Observations of 29 days.

B—*continued.*

in India, etc., in June, 1907—continued.

Wind Direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind Velocity. Mean velocity in miles per hour.	Normal.	Departure from normal.	Wind Steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 30th June 1907.	Normal rainfall for period 1st May to 30th June.	Departure from normal of period, 1st May to 30th June 1907.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																II.—Eastern Bengal and Assam—*concld.*
3	2	9	11	4		1			N 76° E	S 86° E	4·0			62	+ 4	91	+ 2	·880	—·027	6·2	+1·0	15	18·66	—0·66	14·41	22·86	— 8·45	20·93	34·90	—13·97	3·42	Jalpaiguri.
9		5	12	1	1	2			N 89° E		3·0			49		86		·858		7·9		16	19·24	— 3·24	22·34	32·15	— 9·31	37·49	47·41	— 9·92	5·53	Cooch Behar.
																																III.—Bengal.
	3	2	2	3	12	7		1	S	S 11° W	19·8‖	15·9	+3·9	46	—19	86	+ 1	1·021	+·007	8·0	—0·5	11	12·10	— 1·10	18·44	10·02	+ 8·42	20·51	15·11	+ 5·40	5·03	Saugor Island.
	5	3		2	19				S 17° E		6·7			49		81		·926		5·1		15	12·00	+ 3·00	15·03	10·51	+ 4·52	19·21	16·20	+ 3·01	7·55	Midnapore.
	1	3	3	10	4	8		1	S 25° E	S 4° E	9·2‖	5·9	+3·3	46	— 2	84	— 1	·975	+·003	7·4	+0·1	16	12·88	+ 3·12	18·52	11·35	+ 7·17	24·00	17·03	+ 6·97	8·62	Calcutta.
10		2	2	5	6	1			S 38° E	S 22° E	3·9	4·5	+0·6	49	— 3	87	— 1	·959	—·020	8·0	+0·1	18	19·55	+ 3·45	14·79	12·58	+ 2·23	21·45	20·50	+ 0·95	2·77	Jessore.
2	1	1	5	10	10	1			S 37° E		7·8			66		87		·968		6·2		16	12·19	+ 3·81	11·75	9·88	+ 1·87	15·16	16·43	— 1·27	2·68	Krishnagar.
1		4	6	4	18	4	1		S 32° E	S 4° E	6·0	4·9	+1·1	49	+ 5	84	+ 2	·950	+·018	6·7	—0·8	12	12·71	— 0·71	8·41	9·32	— 1·51	14·85	16·27	— 1·42	3·14	Burdwan.
7	1	2	4	3	1	5	4	3	S 45° W		7·0			10		80		·906		4·3		13	11·89	+ 1·11	14·75	10·32	+ 4·43	16·17	14·21	+ 1·96	6·61	Bankura.
18	1	3	1	3	2	2			S 63° E		2·8			13		83		·912		5·9		13	12·21	+ 0·79	12·65	9·93	+ 2·72	14·63	13·70	+ 0·93	4·15	Raniganj.
	2	2	11	7	8				S 61° E	S 36° E	7·4	4·7	+2·7	66	+14	84	— 5	·961	—·011	7·2	—0·9	14	12·00	+ 2·00	10·25	9·54	+ 0·71	14·91	14·95	— 0·04	1·85	Berhampore.
11		3	8	4	3	1			S 72° E		3·6			43		89‡		1·115‡		4·9		12	12·03	— 0·03	9·67	9·98	— 0·29	10·13	13·56	— 3·43	3·08	Naya Dumka.
1	3	3		2	4	15		2	S 40° W	S 32° W	6·6	7·2	+0·6	40	—19	78	— 7	·922	—·060	6·3	—1·7	12	11·00	+ 1·00	9·73	11·32	— 1·59	11·33	17·29	— 5·96	2·63	Balasore.
		1	1	3	6	12	6	1	S 35° W	S 43° W	14·4	12·5	+1·9	62	— 5	83	— 1	·961	—·035	7·7	—0·3	13	9·27	+ 3·73	13·68	8·20¶	+ 5·38	16·58	13·53	+ 3·05	6·73	False Point.
1		3	3	2	5	10	5	1	S 31° W	S 47° W	4·9‖	4·0	+0·9	43	—16	82	+ 4	·943	¶	7·0	0	12	11·26	+ 0·74	7·95	10·82	— 2·87	11·13	15·06	— 3·93	1·70	Cuttack.
	1	2	1	2	3	17	3	1	S 43° W		17·8			56		86		·994		6·9		11	8·11	+ 2·89	6·32	7·99	— 1·67	6·78	10·88	— 4·10	1·69	Puri.
3	1	5	5	6			6	4	N 53° E		8·4			17		77		·879		5·4		16			7·44			8·78			1·35	Angul.
		2	1	5	2	12	7	1	S 41° W	S 23° W	5·5	5·2	+0·3	53	— 5	67	— 7	·804	—·056	6·3	—0·3	10	10·40	— 0·40	10 51	11·35	— 0·84	11·11	12·97	— 1·86	2·85	Sambalpur.
17		1	2		1	2	5	2	S 87° W	S 52° W				17	—24	78	+ 2	·845	—·025	4·3	—1·5	11	11·29	— 0·29	11·69	9·51	+ 2·18	13·44	12·85	+ 0·59	4·68	Chaibasa.
	1	2	3	4	3	5	6	6	S 67° W	S 42° W	10·4	8·7	+ ·7	23	—21	70	— 6	·685	—·077	6·1	+0·2	9	12·47	— 3·47	14·81	10·36	+ 4·45	14·97	12·44	+ 2·53	6·19	Ranchi.
2	1	6	2	8	3	3	4	1	S 45° E		6·1			27		84		·902		5·5		6	12·39	— 6·39	13·85	10·07	+ 3·78	14·83	12·99	+ 1·84	4·20	Purulia.
	4	3	3	4	4	4	3	5	W	S 27° W	11·0	9·3	+1·7	5	—39	67	— 5	·661	—·078	5·9	—1·3	8	11·19	— 3·19	17 30	9·11	+ 8·19	18·92	11·44	+ 7·48	2·68	Hazaribagh.
16	4	1	3	1	1		3	1	N 14° E		6·3			13		69		·805		4·7		9	8·48	+ 0·52	17·14	6·10	+11·04	17·45	7·14	+10·31	6·85	Daltonganj.
2		21	2	5					N 61° E	N 31° E	5·5	4·0	+1·5	72	+ 6	87	+ 1	·907	—·025	6·9	+0·1	12	11·50	+ 0·50	10·64	10·02	+ 0·62	14·40	14·79	— 0·39	2·56	Purnea.
4		10	10	3	1	1	1		N 81° E		5·5			56		78		·895		6·0		12	9·90	+ 2·10	11·57	8·28	+ 3·29	13·69	11·07	+ 2·62	3·39	Bhagalpur.
		4	20	5		1			S 88° E		11·7			82		81*		·918*		6·4		10			12·12			12·78			5·14	Monghyr.
6	1	13	10						N 62° E	S 75° E	4·6‖	6·0	—1·4	69	— 8	83	+ 1	·894	—·030	6·1	+0·7	7	8·43	— 1·43	8·56	8·14	+ 0·42	9·03	11·21	— 2·18	3·77	Darbhanga.
3		6	15	4					N 87° E					78		81		·901		5·8		6			6·88			7·21			4·15	Pusa.¶
4		5	13	7		1			S 72° E		6·8‖			69		78		·898		2·4		6	8·06	— 2·06	5·38	7·25	— 1·87	5·41	9·65	— 4·24	2·89	Muzaffarpur.
3		10	15	2					N 76° E		5·7			79		81		·849		3·9		6	9·39	— 3·39	6·06	8·90	— 2·84	6·59	11·55	— 4·96	1·81	Motihari.
1	15		9				5		N 15° E		?			53		66		·820		2·9		4	7·61	— 3·61	10·22	6·40	+ 3·82	10·22	7·75	+ 2·47	4·88	Chapra.
	1	8	17	1		1	1	1	N 74° E	S 87° E	8·4	5·6	+2·8	72	+ 9	75	— 2	·889	—·022	4·4	—1·4	10	7·81	+ 2·19	12·76	8·54	+ 4·22	13·02	10·47	+ 2·55	5·88	Patna.
6	3	10	6	1	1		3		N 54° E		3·3			46		75		·867		2·8		6	7·90	— 1·90	11·89	6·95	+ 4·94	12·23	8·42	+ 3·81	4·50	Arrah.
		2	22			2	3	1	N 87° E		6·5**			59		88		·807		4·2		5	8·06	— 3·06	6·44	5·44	+ 1·00	6·63	6·26	+ 0·37	2·29	Buxar.
2	3	4	10	3		3	4	2	N 74° E		7·7			33		66		·784		8·1		9	8·06	+ 0·94	11·52	6·52	+ 4·99	11·60	7·35	+ 4·25	5·64	Dheri.
3	3	4	8	3	1	2	4	2	N 66° E	S 66° E	4·0	4·9	—0·9	23	0	73	— 2	·896	—·020	4·8	—0·5	7	8·32	— 1·32	13·04	7·43	+ 5·61	14·82	8·41	+ 6·41	6·24	Gaya.
																																IV.—United Provinces of Agra and Oudh.
8	1	8	9	4		2	1	1	N 78° E	N 81° E	2·9‖	3·2	—0·3	46	— 4	71	— 5	·901	—·005	3·2	—1·7	6	7·70	— 1·70	2·69	9·09	— 6·40	3·18	10·43	— 7·25	1·05	Gorakhpur.
7		5	10	2		2	2	2	N 78° E	S 89° E	4·1	5·2	—1·1	33	+13	66	— 6	·847	0	3·5	—2·1	6	6·80	— 0·80	3·82	6·23	— 2·41	3·89	6·87	— 2·98	1·07	Benares.
2	1	4	8	2		1	8	4	N 9° E	N 46° E	5·0	8·0	—3·0	17	+ 4	48	—18	·678	—·147	3·4	—2·4	3	5·20	— 3·20	0·70	6·42	— 5·72	0·76	6·71	— 5·96	0	Allahabad.

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

‖ Uncorrected. ‡ Mean of 6 days. § Mean of 23 days. **Mean of 28 days. ¶ Wind direction of 25 days.

Table

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

Number of sub-division.	Station.	Elevation of bar-istern 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 during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	IV.—United Provinces of Agra and Oudh—*concld.*																						
	Cawnpore . .	416	29·148	+·008	29·513	29·269	4th	29·065	23rd	·204	90·6	106·2	+5·1	84·3	+2·3	95·3	+3·7	21·9	111·4	12th & 14th.	77·7	2nd & 18th.	33·7
	Lucknow . .	368	29·199	+·006	29·520	29·308	4th	29·090	1st	·218	88·9	105·7	+5·2	83·2	+1·9	94·5	+3·6	22·5	111·0	2nd & 5th.	74·6	18th	36·4
	Bahraich . . .	401	29·171	—·007	29·527	29·258	3rd	29·074	1st	·184	86·1	102·2	+4·8	79·9	+0·7	91·1	+2·8	22·3	110·2	7th	71·0	16th	39·2
11	Jhansi . . .	858	28·749	+·018	29·533	28·887	4th	28·644	30th	·243	92·4	106·7	+3·9	87·0	+3·0	96·8	+3·5	19·7	111·3	12th	80·2	23rd	31·1
	Agra . . .	556	29·024	+·016	29·527	29·169	3rd	28·879	30th	·290	91·4	105·6	?	85·2‡	+0·7‡	95·5‡	?	20·4	110·0	27th	79·0	3rd & 22nd.	31·0
	Mainpuri . .	516	29·055	+·015	29·516	29·182	3rd	28·932	30th	·250	92·0	107·6	?	85·2	+3·7	96·4	?	22·4	112·7	14th	78·3	3rd	34·4
	Bareilly . . .	568	28·989	—·001	29·512	29·101	3rd	28·891	1st	·210	87·8	102·9	+3·2	80·2	+0·5	91·6	+1·9	22·6	108·8	26th	73·0	19th	35·8
	Meerut . . .	738	28·828	+·011	29·516	28·981	3rd	28·706	30th	·275	88·8	103·2	+2·6	79·5†	—0·9†	91·3†	+0·9	23·7	107·1	12th & 27th.	71·3	3rd	35·8
	Roorkee . . .	899	28·673	+·010	29·523	28·810	3rd	28·559	30th	·251	87·9	103·2	+2·8	78·2	—0·4	90·4	+1·2	25·0	109·0	7th	69·4	3rd	39·6
	Dehra Dun . .	2,233	27·393	0	29·540	27·520	3rd	27·298	30th	·222	81·0	97·2	+4·2	73·4	—1·0	85·3	+1·6	23·8	103·5	7th & 9th.	63·5	3rd	40·0
	V.—Punjab.																						
12	Delhi	718	28·858*	+·023*	29·524*	28·996	3rd	28·726	30th	·270	90·1	106·0	+2·8	84·3	+1·0	95·2	+1·9	21·7	110·7	29th & 30 th.	76·2	3rd	34·5
	Sirsa . . .	662	28·899	+·025	29·511	29·090	4th	28·745	30th	·345	89·4	106·6*	—0·1*	81·0*	—2·1*	93·8*	—1·1	25·6	113·3	28th & 30th.	70·5	8th	42·8
	Patiala . . .	*818*	28·753		29·523	28·908	3rd	28·632	30th	·276	88·5	103·2		78·5		90·9		24·7	109·0	27th	70·7	14th	38·3
	Ambala . .	892	28·668	+·001	29·513	28·825	3rd	28·542	30th	·283	87·4	104·1	+2·7	77·7†	—2·5†	90·8†	+0·1	26·4	109·5	27th	69·0	14th	40·5
	Ludhiana . .	812	28·752*	+·026*	29·519*	28·908	4th	28·612	30th	·296	87·1	103·0*	—1·8*	79·1*	—1·6*	91·0†	—1·7	23·9	111·5	27th	69·1	12th	42·4
	Lahore . . .	702	28·846	+·026	29·508	29·050	4th	28·694	29th	·356	87·1	105·0	—2·4	79·0	—0·3	92·0	—1·4	26·0	112·9	28th	69·2	8th	43·7
	Sialkot . . .	830	28·725	+·026	29·513	28·900	3rd	28·603	27th	·297	87·2	102·7	—2·8	75·8	—4·7	89·3	—3·8	26·9	111·8	27th & 28th.	69·1	13th	42·7
	Rawalpindi . .	1,674	27·919	+·027	29·543	28·098	4th	27·791	27th	·307	83·0	97·6	—5·2	71·1	—4·2	84·4	—4·7	26·5	111·0	27th	65·1	4 days.	45·9
13	Khushab . .	612	28·951	+·051	29·522	29·153	4th	28·820	27th	·333	90·9	104·4	—2·7	79·6	—2·8	92·0	—2·8	24·8	113·8	27th	67·4	8th	46·4
	Montgomery . .	558	28·991	+·046	29·503	29·197	4th	28·834	29th	·363	92·6	106·2	—3·8	80·2	—3·9	93·2	—3·9	26·0	116·8	29th	67·0	8th	49·8
	Multan . .	420	29·119	+·040	29·497	29·335	4th	28·967	27th	·368	88·8	105·0	—2·8	82·0	—1·7	93·5	—2·3	23·0	116·5	28th & 29th.	68·0	8th	48·5
	VI.—North-West Frontier Province.																						
15	Peshawar . .	1,110	28·488	+·047	29·567	28·685	4th	28·363	23rd	·322	84·8	100·6	—5·3	72·7	—4·6	86·7	—5·0	27·9	110·2	27th	63·9	8th	46·3
	D. I. Khan . .	590	28·973	+·044	29·504	29·188	4th	28·809	27th	·379	88·0	104·9	—3·1	78·3	—2·9	91·6	—3·0	26·6	114·2	27th	65·1	8th	49·1
	VII.—Sind.																						
17	Jacobabad . .	186	29·366	+·052	29·510	29·565	5th	29·216	22nd & 23rd.	·349	90·3	109·0	—3·7	81·8	—2·6	95·4	—3·2	27·2	120·6	29th	70·7	7th	49·9
	Hyderabad . .	96	29·481	+·033	29·527	29·648	4th	29·350	23rd	·298	86·8	102·5	—1·7	80·7	—1·0	91·6	—1·4	21·8	111·7	14th	69·0	7th	42·7
	Kurrachee . .	30	29·567	+·004	29·548	29·712	4th	29·435	17th	·277	86·6	94·2	+0·2	81·4	—0·7	87·8	—0·3	12·8	110·9	14th	68·2	6th	42·7
	VIII.—Rajputana.																						
18	Bikaner . .	*771*	28·804	+·028	29·526	28·994	4th	28·687	30th	·307	90·0	106·9	+0·4	85·1	—0·1	96·0	+0·2	21·8	114·0	17th	70·0	8th	44·0
	Jodhpur . .	782	28·847		29·598	28·985	4th	28·746	16th	·239	86·3	104·5		81·9		93·2		22·6	111·2	17th	74·3	8th	36·9
	Pachpadra . .	*380*	29·222	+·029	29·552	29·341	6th	29·113	16th	·228	88·0	105·2	—0·5	80·5	—0·7	92·8	—0·6	24·7	112·3	14th	73·0	7th	39·3
19	Jaipur . . .	1,431	28·201	+·026	29·565	28·376	4th	28·098	30th	·278	90·1	105·5	+3·0	82·9	+1·8	94·2	+2·4	22·6	111·7	28th	74·1	22nd	37·6
	Sambhar . .	1,254	28·369	+·036	29·565	28·538	4th	28·255	30th	·283	89·3	105·3	+3·0	83·3	+0·9	94·3	+2·0	22·0	112·5	17th	73·4	8th	39·1
	Ajmer . . .	1,611	28·044	+·030	29·585	28·186	5th	27·928	30th	·258	87·2	103·0	+2·5	83·5	+2·7	93·3	+2·6	19·5	108·4	17th & 28th.	76·6	8th	31·8
	Kotah . . .	819?	28·768		29·568	28·926	4th	28·651	30th	·275	92·6	107·0		87·2		97·1		19·8	111·6	28th	81·2	29th	30·4
	Udaipur . .	1,925	27·759		29·606	27·895	5th	27·672	30th	·223	84·7	98·5		78·6		88·6		19·9	104·5	12th	74·3	24th	30·2
	IX.—Bombay.																						
20	Deesa . .	466	29·203	+·023	29·618	29·320	3rd	29·104	16th	·216	84·6	102·3	+0·4	78·8	—1·8	90·6	—0·7	23·5	113·8	12th	71·9	4th	41·9
	Bhuj . . .	395	29·254	+·021	29·599	29·382	3rd	29·141	17th	·241	83·2	96·1	—1·5	78·3	—1·5	87·2	—1·5	17·8	107·6	12th	73·5	7th	34·1

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

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

* Mean of 29 days.

† Mean of 28 days.

‡ Mean of 27 days.

B—*continued.*

in India, etc., in June, 1907—continued.

Wind Direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind Velocity. Mean velocity in miles per hour.	Normal.	Departure from normal.	Wind Steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 30th June 1907.	Normal rainfall for period 1st May to 30th June.	Departure from normal of period 1st May to 30th June 1907.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																IV.—United Provinces of Agra and Oudh—*contd.*
2	3		6	5	1	1	9	3	S 87° W	S 59° E	3·3‖	5·5	−2·2	8	−14	48	−17	·676	−·160	1·1	−4·3	0	5·00	−5·00	0·06	4·09	−4·03	0·11	4·40	−4·29	0·16	Cawnpore.
6		2	9	6	1	3	3		S 57° E	S 89° E	3·6	4·2	−0·6	40	+ 4	56	−13	·758	−·079	1·9	−3·9	2	6·10	−4·10	0·64	5·71	−5·07	0·64	6·72	−6·08	0·40	Lucknow.
6	3		10	7	2	1		1	S 74° E	S 69° E	4·4	4·9	−0·5	49	−11	61	−14	·766	−·129	2·5	−2·3	3	7·30	−4·30	3·23	6·53	−3·30	4·29	8·48	−4·19	1·54	Bahraich.
2	1	1	2	2		5	11	6	N 86° W	N 89° W	8·9	5·5	+3·4	49	+18	66	P	·981	P	2·5	−1·0	1	5·80	−4·80	1·25	6·06	−4·81	1·25	6·47	−5·22	1·05	Jhansi.
2		2		7		17		2	S 27° W	S 16° W	6·5	6·5	0	53	+27	45	−12	·648	−·116	2·8	−1·0	2	3·90	−1·90	0·62	2·90	−2·28	1·19	3·46	−2·27	0·29	Agra.
2	1	2	4	4	2	2	7	6	N 89° W	N 80° E	3·7	2·9	+0·8	15	− 1	45	−21	·665	−·156	2·3	−2·6	1	4·60	−3·60	0·22	4·73	−4·51	0·46	5·16	−4·70	0·16	Mainpuri.
11	1	2	6	2	2	2	3	1	S 64 E	S 55° E	3·5	4·3	−0·8	13	−28	48	−22	·658	−·166	2·9	−1·5	3	4·91	−1·91	0·90	5·96	−5·06	1·18	6·72	−5·54	0·54	Bareilly.
16			7			1	5	1	E	S 60° E	2·4	2·7	−0·3	2	−31	45	−17	·611	−·136	1·2	−3·0	0	4·00	−4·00	0·05	3·49	−3·44	0·31	4·09	−3·78	0·03	Meerut.
10			1	12		2		5	S. 36° E	S 41° E	5·1	3·6	+1·5	27	−14	43	−20	·576	−·152	0·6	−3·6	1	6·00	−5·00	0·14	5·31	−5·17	0·79	6·13	−5·34	0·10	Roorkee.
30									§	S 36° E	2·5‖	1·7	+0·8	§		49	−21	·524	−·154	2·5	−2·5	3	10·00	−7·00	1·18	10·26	−9·08	2·26	11·95	−9·69	0·81	Dehra Dun.
																																V.—Punjab.
1	4		3	6	1	1	5	9	N 47° W	S 44° E	6·1	4·9	+1·2	23	+10	48	− 8	·662	−·060	2·6	−2·4	1	4·10	−3·10	0·10	3·41	−3·31	0·16	4·13	−3·97	0·10	Delhi.
2	2	3	3	1	1	6	8	4	N 84° W	S 27° W	6·6	7·1	−0·5	30	+ 4	47	− 4	·629	−·081	0·6	−3·9	3	3·20	−0·20	1·90	1·79	+0·11	2·27	2·50	− 0·23	1·18	Sirsa.
	7	1	4	9	1		5	3	N 53° E		7·2			17		47		·625		1·8		3			0·35			0·35			0·11	Patiala.
4		2		13			3	8	S 42° E	S 61° E	4·5	2·5	+2·0	10	−42	47	−20	·610	−·189	0·6	−2·4	0	4·30	−4·30	0·09	6·29	− 6·20	0·09	7·02	− 6·93	0·05	Ambala.
1	2	4		7		5		11	N 41° W	S 37° E	3·6	2·8	+0·8	20	−17	47	− 9	·600	−·126	1·3	−2·0	2	3·50	−1·50	0·92	3·02	− 2·10	1·20	3·63	− 2·43	0·49	Ludhiana.
4	3	2	2	6	2	2	2	7	N 24°W	S 60° E	3·9	3·6	+0·3	7	−23	49	− 3	·625	−·068	1·5	−1·3	2	2·30	−0·30	1·41	2·09	− 0·68	1·48	2·91	− 1·43	0·79	Lahore.
4	6	4	8	2	1			5	N 41° E	N 81° E	3·5	3·1	+0·4	46	+ 2	46	− 6	·566	−·133	1·1	−0·9	3	3·60	−0·60	1·89	3·08	− 1·19	2·77	4·11	− 1·34	1·09	Sialkot.
17	2	5	1	2	1		1	1	N 48° E	N 89° E	3·5	2·8	+0·7	20	0	43	− 2	·533	−·087	3·6	+0·8	4	3·30	+0·70	4·43	2·01	+ 2·42	5·75	3·48	+ 2·27	1·84	Rawalpindi.
3	3	7	7	3	1	2	3	1	N 65° E	N 69° E	7·6	7·1	+ 0·5	33	−19	38	− 5	·542	−·052	1·3	−0·5	2	1·50	+0·50	0·48	1·72	− 1·24	1·30	2·50	− 1·20	0·22	Khushab.
5	3	5	2	4	2	6	3		S 24° E	S 3° W	7·9	9·5	−1·6	10	−27	37	− 6	·532	−·135	1·3	−0·2	1	2·00	−1·00	1·40	1·14	+ 0·26	1·73	1·41	+ 0·32	1·33	Montgomery.
6	5	6		1	1	9		2	N 47° W	S 3° W	2·8	3·3	−0·5	13	−17	53	+ 5	·702	0	0·8	+0·1	2	1·10	+0·90	1·85	0·62	+ 1·23	2·51	0·92	+ 1·59	1·25	Multan.
																																VI.—North-West Frontier Province.
16	2	1	2		1	1	3	4	N 36° W	N 6° W	2·3	4·4	−2·1	20	− 2	41	− 3	·494	−·099	2·5	+0·6	2	0·90	+1·10	0·36	0·30	+ 0·06	0·58	1·05	− 0·47	0·20	Peshawar.
9	1	11	1	2	1	2		3	N 84° E	N 51° E	3·0	2·5	+0·5	33	+ 7	55	− 1	·705	−·092	1·9	+0·5	2	1·30	+0·70	0·41	0·65	− 0·24	0·63	0·99	− 0·36	0·17	D. I. Khan.
																																VII.—Sind.
3		1	1	9	9	4		3	S 11° E	S 51° E	5·4	5·3	+0·1	49	− 6	59	+ 8	·840	+·054	1·9	+0·8	1	0·30	+0·70	1·74	0·09	+ 1·65	1·74	0·25	+ 1·49	1·74	Jacobabad.
1	1		1	5	6	14	1	1	S 21° W	S 39° W	7·7	17·5	−9·8	66	−15	66	+ 5	·838	+·046	2·9	−0·9	4	0·70	+3·30	2·45	0·38	+ 2·07	·45	0·56	+ 1·89	1·36	Hyderabad.
	1	6	2	1		1	16	3	N 62° W	S 75° W	13·3	17·5	−4·2	43	−43	73	− 4	·906	−·065	6·4	+1·2	3	0·50	+2·50	1·77	0·71	+ 1·06	1·77	0·71	+ 1·06	0·74	Kurrachee.
																																VIII.—Rajputana.
			2		5	11	8	4	S 47° W	S 38° W	10·1	9·4	+0·7	66	− 1	55	+ 1	·762	−·012	2·4	+0·1	1	2·10	−1·10	0·87	1·70	− 0·83	1·29	2·58	− 1·29	0·71	Bikaner.
		1	1	1	6	16	4	1	S 39° W		8·5			69		52		·675		5·1		0	2·60	−2·60	0·04	1·49	− 1·45	0·27	1·76	− 1·49	0·03	Jodhpur.
		2	2		12	13	1		S 25° W		14·6‖	13·6	+1·0	66		64	− 8	·829	−·082?	0	−4·0	1	2·50	−1·50	0·90	1·46	− 0·56	1·61	2·12	− 0·51	0·76	Pachpadra.
2	2	1	2			3	11	9	N 68° W	S 88° W	7·8‖	6·8	+1·0	59	+22	44	−13	·602	−·116	3·3	−0·9	1	4·40	−3·40	0·54	2·66	− 2·12	1·26	3·15	− 1·89	0·46	Jaipur.
4	3	1	1		1	1	13	6	N 69° W	N 89° W	11·0‖	11·1	−0·1	56	− 3	50	− 7	·683	−·042	3·1	−0·9	1	2·60	−2·60	0·24	1·58	− 1·34	0·53	2·24	− 1·81	0·22	Sambhar.
2		1		1		4	12	10	N 78° W	S 84° W	10·7	9·4	+1·3	66	− 1	54	− 7	·690	−·060	4·3	+0·7	1	3·90	−2·90	0·10	2·48	− 2·38	0·67	3·09	− 2·42	0·10	Ajmer.
3	1	1		1		12	5	7	S 81° W		5·6			56		41		·606		2·2		0	6·20	−6·20	0·04	3·57	− 3·53	0·08	4·68	− 4·60	0·04	Kotah.
4					1	11	13	1	S 69° W		8·6			72		60		·697		2·9		1	5·10	−4·10	0·21			1·51				0·11	Udaipur.
																																IX.—Bombay.
1	1			4	7	14	3		S 29° W	S 69° W	16·0‖	16·7	−0·	72	+ 9	69	+ 1	·810	−·010	5·5	−0·4	4	2·18	+1·82	1·17	2·27	− 1·10	1·17	2·52	− 1·35	0·52	Deesa.
			2	5	2	10	10	1	S 46° W	S 72° W	18·1	17·7	+0·4	56	−22	87	?	·981	?	5·6	+0·8	4	2·40	+1·60	2·90	2·03	+ 0·87	2·90	2·12	+ 0·78	1·20	Bhuj.

§ Indeterminate. ‖ Uncorrected.

Table

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

Number of sub-division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	IX.—Bombay—*concld.*																						
	Jamnagar	61	29·589		29·595	29·718	3rd	29·421	17th	·297	85·7	95·8		79·3		87·4		16·5	103·9	24th	75·4	9th	28·5
	Dwarka	37?	29·615		29·598	29·752	2nd	29·414	17th	·338	84·0	88·0		80·5		84·3		7·5	90·8	15th	73·2	5th	17·6
	Rajkot	429	29·246	+·018	29·621	29·364	2nd	29·087	17th	·277	85·3	100·3*	+0·5*	77·5	−0·1	88·9*	+0·2	22·8	107·4	12th	73·7	9th	33·7
	Veraval	*18*	29·666	+·006	29·626	29·785	2nd	29·451	17th	·334	83·7	85·6	−0·8	81·2	+0·2	83·4	−0·3	4·4	90·1	12th	77·3	13th	12·8
	Bhavnagar Para	55	29·641	−·012	29·640	29·754	2nd	29·492	16th	·262	85·6	100·1	+1·8	79·7	−0·6	90·0	+0·6	20·4	108·7	1st	76·0	14th & 15th.	32·7
	Surat	39	29·670	+·010	29·654	29·780	2nd	29·525	16th	·255	84·7	92·8	−0·9	79·2	−0·1	86·0	−0·5	13·6	105·7	12th	73·0	4th	32·7
	Ahmedabad	163	29·521	+·026	29·632	29·643	2nd	29·408	16th & 17th,	·235	86·1	101·6	+1·9	80·6	−0·1	91·1	+0·9	21·0	110·1	12th	73·7	4th	36·4
26	Bombay	37	29·705	−·004	29·681	29·839	21st	29·546	15th	·293	83·1	88·8	+1·2	79·9	+0·4	84·4	+0·8	8·9	93·5	11th	75·5	18th	18·0
	Ratnagiri	110	29·661	+·001	29·710	29·798	21st	29·516	14th	·282	82·3	87·6	+1·0	77·5	+0·5	82·6	+0·7	10·1	93·8	12th	73·4	18th	20·4
	Goa	199	29·581	?	29·721	29·723	21st	29·448	11th	·275	81·8	86·0†	+0·8†	77·8	0	82·2†	+0·4	8·2	90·0	7th & 11th.	74·0	18th	16·0
	Mormugao	*60*	29·736	+·001	29·732	29·868	21st	29·594	11th	·274	82·0	87·1	+0·1	77·6	−0·3	82·4	−0·1	9·5	93·5	5th	74·4	15th & 16th.	19·1
	Karwar	44	29·757	−·009	29·735	29·891	21st	29·614	12th	·277	79·3	85·9	+0·6	76·9	+0·8	81·4	+0·7	9·0	91·3	2nd	74·0	16th	17·3
27	Malegaon	1,430	28·299†	+·024†	29·670†	28·419	21st	28·185	16th	·233	82·8	97·9	+3·0	74·9	−0·1	86·4	+1·5	23·0	105·8	1st	72·1	4th & 15th.	33·7
	Ahmednagar	2,154	27·620	+·027	29·704	27·729	21st	27·501	15th	·228	78·9	93·6	+3·2	72·0	−0·3	82·8	+1·5	21·6	104·4	1st	64·5	18th	39·9
	Poona	1,846	27·917*	+·015*	29·768*	28·026	21st	27·787	15th	·239	77·5	90·9*	+1·7*	71·4*	−1·2*	81·2†	+0·3	19·5	100·0	1st	66·8	23rd	33·2
	Sholapur	1,580	28·171	+·006	29·705	28·313	5th	28·056	15th	·257	79·6	96·6	+1·8	74·4	+1·2	85·5	+1·5	22·2	106·2	4th	70·5	18th	35·7
	Bijapur	*1,945*	27·822	+·008	29·707	27·965	5th	27·697	15th	·268	77·8	92·9	+2·5	72·4	+0·2	82·7	+1·4	20·5	101·2	1st	69·2	18th	32·0
	Belgaum	2,539	27·261	+·001	29·733	27·373	5th	27·134	15th	·239	72·9	82·1	+1·2	68·1	0	75·1	+0·6	14·0	94·8	1st	65·8	9th, 15th 19th.	29·0
	X.—Central India.																						
21	Neemuch	1,624	28·148	+·023	29·609	28·180	4th	27·955	16th	·225	84·3	99·2	+0·9	73·6	+1·3	88·9	+1·1	20·6	103·5	11th	73·7	16th	29·8
	Indore	1,823	27·887	?	29·643	27·999	6th	27·772	15th	·227	82·0	97·7	+3·3	76·4	+1·1	87·0	+2·2	21·3	104·1	12th	70·6	17th	33·5
22	Nowgong	754	28·333	+·007	29·528	28·961	3rd & 4th.	28·742	30th	·219	90·3	104·5	+2·9	82·9	?	93·7	?	21·6	109·0	6th, 7th & 12th.	72·0	18th	37·0
	Sutna	1,040	28·543	+·007	29·521	28·662	4th	28·457	27th	·205	90·4	104·1	+5·4	83·5	+2·4	93·8	+3·9	20·6	110·1	7th & 12th.	73·6	23rd	36·5
	XI.—Central Provinces.																						
23	Buldana	2,132					8 hrs.	data not available.															
	Akola	930	28·760	+·015	29·635	28·863	20th	28·666	15th	·197	83·7	100·5	+2·3	78·0	+0·3	89·3	+1·3	22·5	110·3	4th	70·9	30th	39·4
	Amraoti	1,215	28·478	?	29·626	28·571	21st	28·388	15th & 16th,	·188	82·7	99·3	+2·1	77·2	+0·8	88·3	+1·3	22·1	109·9	5th	70·3	30th	39·6
24	Khandwa	1,044	28·639*	+·018*	29·632*	28·746	20th	28·519	16th	·227	83·4	101·2	?	79·0	+0·3	90·1	?	22·2	110·7	12th	73·6	28th & 30th.	37·1
	Hoshangabad	1,006	28·651	+·010	29·607	28·764	4th	28·555	27th	·209	84·8	101·3	+3·2	78·1	−0·9	89·7	+1·2	23·2	108·7	12th	70·8	30th	37·9
	Saugor	1,807	27·835*	+·011*	29·563*	27·968	4th	27·721	30th	·247	85·5	101·1	+3·3	78·9	+1·3	90·0	+2·3	22·2	106·1	12th	71·5	21st	34·6
	Jubbulpore	1,327	28·330	+·013	29·564	28·414	4th	28·195	26th	·219	85·7	100·7	+3·8	78·7	+0·3	89·7	+2·1	22·0	107·5	6th, 7th & 12th.	72·3	21st	35·2
	Seoni	2,033	27·634	+·010	29·583	27·747	3rd	27·537	26th	·210	83·3	97·7	+3·5	72·7	−2·8	85·2	+0·4	25·0	106·9	4th	68·0	4th	38·9
	Nagpur	1,017	28·628	+·002	29·589	28·720	20th	28·512	16th	·208	84·8	101·0	+2·7	79·2	+0·7	90·1	+1·7	21·8	111·1	4th	70·6	30th	40·5
25	Pendra	2,123?	27·593		29·580	27·718	4th	27·464	26th	·254	81·2	94·8		76·8		85·8		18·0	105·3	7th	71·1	29th	34·2
	Raipur	970	28·646	−·005	29·555	28·776	20th	28·551	26th	·225	84·5	98·1	+0·9	75·8	−2·6	87·0	−0·9	22·3	111·8	7th	67·4	25th	44·4
	Chanda	*634*	29·023	0	29·553	29·125	20th	28·922	16th	·203	86·0	100·4	+1·9	80·1	+0·5	90·3	+1·2	20·3	112·0	2nd & 3rd.	71·5	27th	40·5
	XII.—Hyderabad.																						
28	Aurangabad	1,905	27·863		29·704	27·959	3rd	27·753	15th	·206	79·3	94·9		72·7		83·8		22·2	104·2	1st	68·2	30th	36·0
	Nizamabad§§	1,260	28·466‡		29·664‡	28·572	20th	28·347	15th	·225	84·4	99·8		78·4		89·2		21·4	108·9	2nd & 3rd.	72·2	19th	36·7

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

* Mean of 29 days. † Mean of 28 days.

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

‡ Mean of 2½ days. §§ Observations of 26 days.

B—*continued.*

in India, etc., in June, 1907—continued.

Wind Direction.										Wind Velocity.			Wind Steadiness.	Hygrometry, 8 hrs.				Cloud.		Rainfall.								Heaviest rainfall during month.	Station.
Number of winds from																												
Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Mean velocity 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 1907.	Normal rainfall for period 1st May to 30th June.	Departure from normal of period, 1st May to 30th June 1907.		
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																IX.—Bombay *concld.*
2				6	3	11	5	3	S 40° W		§10·8			86		67		·825		1·7		4			1·75			1·75			0·68	Jamnagar.
1		2	3	3	3	15	3	1	S 26° W		§21·2			53		82		·966		6·0		5			3·25			3·25			1·23	Dwarka.
1				5	4	15	4	1	S 34° W	S 81° W	9·2	14·1	−4·9	69	− 5	71	− 3	·855	−·020	5·4	−0·2	2	5·30	−3·30	1·25	5·12	−3·87	1·25	5·34	− 4·09	0·86	Rajkot.
2	1		1	5	3	8	19		S 45° W	S 69° W	18·3	11·9	+6·9	49	−20	86	+ 2	·964	+·020	5·6	−1·3	3	4·60	−1·60	2·41	5·23	−2·82	2·41	5·25	− 2·84	1·22	Veraval.
2	1	1		4	4	16	1	1	S 31° W	S 48° W	13·8	15·8	−2·0	59	−21	76	0	·935	−·018	6·4	+0·3	4	5·70	−1·70	2·16	5·02	− 2·86	2·16	5·12	− 2·96	0·85	Bhavnagar Para.
		1	1	3	3	7	9	1	S 34° W	S 49° W	9·4	13·2	−3·	59	−11	78	− 1	·935	+·017	5·8	−1·1	6	8·70	− 2·70	4·83	9·32	− 4·79	4·83	9·75	− 4·92	1·95	Surat.
1			1	2	4	10	7	5	S 59° W	S 61° W	8·2	7·7	+0·5	56	− 3	65	− 7	·801	−·075	7·7	+1·5	3	4·80	−1·80	2·51	6·76	− 4·25	2·51	6·77	− 4·26	1·60	Ahmedabad.
			3	4	6	4	12	1	S 41° W	S 58° W	§13·4	15·2	−1·8	49	+ 1	80	− 3	·914	−·015	6·2	−1·7	13	14·70	−1·70	22·48	19·63	+ 2·85	22·48	20·34	+ 2·14	6·62	Bombay.
1		2	2	6	4	7	4	4	S 24° W	S 60° W	12·5	10·2	+2·3	38	+ 2	81	− 2	·884	−·017	7·1	−0·5	19	20·50	− 1·50	21·25	30·20	− 8·95	21·25	31·65	−10·40	4·00	Ratnagiri.
1	1		2	2	6	6	7	5	S 58° W	S 66° W	§10·5	9·2	+1·3	43	− 5	82	− 3	·891	−·019	9·1	+1·0	21			29·99	28·72	+1·27	29·99	31·05	− 1·06	5·18	Goa.
	4			2	4	4	2	14	N 67° E	N 76° W	§12·5	10·9	+1·6	46	− 3	85	0	·925	−·010	7·9	+1·1	21			30·23	23·63	+ 6·60	30·23	26·20	+ 4·03	4·90	Mormugao.
4	3					18	5		S 61° W	S 82° W	3·6	6·0	−2·4	66	+14	90	+ 7	·907	+·040	7·8	−0·2	22	23·30	− 1·30	34·47	35 98	− 1·51	34·49	39·26	− 4·77	4·50	Karwar.
	1		1		1	7	15	5	S 87° W	S 81° W	14·3	14·0	+0·3	72	− 1	69	− 2	·756	−·001	3·5	−2·7	7	7·70	− 0·70	5·44	4·44	+ 1·00	5·44	5·17	+ 0·27	1·50	Malegaon.
2		1			2	7	4	14	N 79° W	N 88° W	§12·6	16·2	−3·6	59	+ 4	65	?	·629	?	4·7	−1·8	6	7·40	− 1·40	3·50	5·14	− 1·64	3·50	6·02	− 2·52	2·04	Ahmednagar.
6			1			5	15	3	S 86° W	S 82° W	§13·6	16·3	−2·7	66	−15	73	0	·672	−·034	6·2	−1·1	9	8·50	+ 0·50	4·96	4·73	+ 0·23	4·96	6·06	− 1·10	1·21	Poona.
		1		1		13	7	8	S 80° W	S 81° W	15·3	13·7	+1·6	66	−11	70	+ 4	·696	+·026	6·7	0	5	6·20	− 1·20	4·32	4·36	− 0·04	4·32	5·36	− 1·04	1·73	Sholapur.
				1	3	15	9	2	S 58° W	S 78° W	12·2	9·7	+2·5	79	0	73	− 4	·697	−·024	7·0		1	6·20	− 5·20	0·54	3·55	− 3·01	0·54	5·34	− 4·80	0·16	Bijapur.
3				1	2	9	12	3	S 71° W	S 75° W	§14·4	22·9	−8·5	69	− 1	82	− 5	·681	−·014	8·3	+0·1	13	14·00	− 1·00	5·17	8·44	− 3·27	5·64	10·93	− 5·29	1·60	Belgaum.
																																X.—Central India.
1	2					12	14		S 73° W	S 81° W	12·9	13·5	−0·6	79	+ 5	56	−14	·649	−·134	5·0	+0·6	2	6·20	− 4·20	0·61	4·95	− 4·34	1·51	5·40	− 3·89	0·38	Neemuch.
2	3				1	2	19	3	N 23° W	S 87° W	9·3	7·0	+2·3	76	+ 2	65	− 7	·732	−·026	6·0	0	5	7·60	− 2·60	2·94	6·35	− 3·41	2·94	6·94	− 4·00	1·83	Indore.
1	1	1	2	3	2	2	15	3	W	S 86° W	4·7	4·7	0	46	− 2	47	−14	·651	−·105	3·9	−0·8	5	7·30	− 2·30	1·90	8·15	− 6·25	2·13	8·48	− 6·35	1·01	Nowgong
2		2	7	2	1	5	3	3	S 55° W	S 84° W	5·9	9·7	−3·8	13	−16	53	−7	·728	+·014	5·3	+0·7	2	7·20	− 5·20	0·38	7·32	− 6·94	0·51	7·70	− 7·19	0·14	Sutna.
																																XI.—Central Provinces.
													8	hrs.	data	not	ava	ilable.													Buldana.
				1	2	3	17	7	W	N 81° W	11·1	9·8	+1·3	78	+ 5	66	− 2	·733	−·025	6·2	0	7	8·10	− 1·10	5·76	5·20	+ 0·56	5·76	5·63	+ 0·13	1·93	Akola.
						7	10	12	N 80° W	S 87° W	10·0	8·9	+1·1	79	+ 1	66	− 5	·698	−·056	3·4	−2·6	10	9·00	+ 1·00	9·70	6·82	+ 2·88	9·70	7·45	+ 2·25	2·71	Amraoti.
1		2		1	1	1	4	20	N 52° W	N 87° W	12·2	10·3	+1·9	69	−13	63	− 5	·700	−·049	5·2	−0·3	4	7·50	−3·50	1·70	5·81	− 4·11	1·70	6·16	− 4·46	0·65	Khandwa.
2	1				3	12	7	5	S 69° W	S 62° W	7·3	5·1	+2·2	66	− 5	64	− 7	·723	−·075	7·0	+1·0	8	8·20	−0·20	8·72	6·78	+ 1·94	9·52	7·33	+2·19	3·70	Hoshangabad.
2					4	16	8		N 84° W	S 80° W	8·7	6·5	+2·2	79	+12	50	−15	·577	−·130	4·1	−0·9	3	8·90	−5·90	3·77	8·79	− 5·02	4·00	9·29	−5·29	1·55	Saugor.
2		1		2	1	3	12	8	N 85° W	S 70° W	4·5	5·1	−0·6	62	+ 3	53	−12	·631	−·091	3·4	−1·8	5	10·40	− 5·40	2·16	9·50	− 7·34	3·09	10·05	−6·96	1·25	Jubbulpore.
3	6	1	1	1	4	3	4	7	N 61° W	S 86° W	7·7	5·8	+1·9	33	−23	60	− 7	·645	−·061	4·5	−0·6	8	12·30	− 4·30	7·58	9·95	− 2·37	7·71	10· 3	− 2·92	1·70	Seoni.
	2	1			3	9	9	6	S 83° W	S 87° W	7·8	9·0	−1·2	62	+ 3	62	− 2	·689	−·063	5·3	−1·3	11	9·70	+1·30	12·14	8·52	+ 3·62	12·25	9·24	+3·01	3·82	Nagpur.
	5	2	2	2	4	2	2	11	N 41° W		7·7			30		56		·621		3·5		12			7·23			7·63			2·55	Pendra.
1	2	1	1		2	12	6	4	S 71° W	S 56° W	12·2	9·7	+2·5	56	−20	63	− 5	·680	−·082	3·2	−2·2	12	10·40	+ 1·60	12·03	8·88	+ 3·15	12·14	9·82	+ 2·32	2·00	Raipur.
	1			1		4	12	11	N 77° W	S 61° W	8·1	6·2	+1·9	76	+11	59	− 5	·695	−·046	6·3	−0·3	9	9·40	−0·40	4·54	7·68	− 3·14	4·65	8·42	− 3·77	1·21	Chanda.
																																XII.—Hyderabad.
2		1	1	3	2	2	13	6	S 87° W		15·8			49		71		·699		5·8		9	8·10	+ 0·90	4·09	5·04	− 0·95	4·09	6·99	−2·90	1·01	Aurangabad.
1	1	1				4	5	14	N 63° W		§7·2			73		58		·668		4·5		5	8·90	− 3·90	3·29	4·60	− 1·31	3·29	4·93	− 1·64	1·92	Nizamabad.

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

§ Uncorrected readings.

¶ Mean of 18 days.

Table

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

Number of Sub-division	Station.	Elevation of bar-cistern above sea-level in feet.	Pressure, 8 hrs., in inches.								Temperature of air.											
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded month.	Date.	Lowest pressure recorded month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	XII.—Hyderabad—*concld.*																						
	Bidar	*2,165*	27·616		29·713	27·739	20th	27·382	27th	·357	78·1	92·1		73·0		82·6		19·1	103·3	1st	67·8	27th	35·5
29	Gulbarga	1,503	28·256	+·008	29·704	28·367	20th	28·141	15th	·226	79·4	96·0	+1·8	74·4	+1·2	85·4	+1·5	21·6	107·0	1st	71·3	18th	35·7
	Raichur	*1,311*	28·457*	?	29·713*	28·567	20th	28·326	15th	·241	80·0	94·9	+0·2	74·0	−0·9	84·4	−0·4	20·9	104·0	1st, 2nd & 3rd.	70·1	24th & 25th.	33·9
	Hyderabad (Deccan)	1,690	28·050	+·012	29·682	28·165	20th	27·923	15th	·242	78·9	94·0	−0·2	75·6	−0·4	84·8	−0·3	18·4	105·3	2nd	70·7	16th	34·6
	Hanumkonda	871	28·809		29·617	28·933	20th	28·711	30th	·222	84·0	96·7		79·5		88·1		17·2	109·7	2nd & 4th	71·8	14th & 18th.	37·9
	XIII.—Mysore.																						
30	Chitaldroog	2,405	27·414	+·009	29·751	27·520	20th	27·295	14th	·225	74·4	85·8	−0·1	70·0	+0·2	77·9	+0·1	15·8	97·7	1st	63·9	5th	33·8
	Hassan	3,091	26·796	+·011	29·797	26·912	20th	26·680	14th	·232	71·6	81·5	+2·0	65·8	−0·3	73·7	+0·9	15·7	90·9	4th	62·5	7th	28·4
	Bangalore	3,021	26·845	−·005	29·781	26·947	20th	26·728	14th	·219	71·1	84·3	−0·5	66·3	−0·4	75·3	−0·5	18·0	90·8	1st	63·8	5th	27·0
	Mysore	2,518	27·349	+·003	29·803	27·462	21st	27·229	14th	·233	73·1	83·9	−0·7	67·9†	−0·3†	75·9†	−0·	16·0	92·5	5th	65·5	24th	27·0
	XIV.—Madras.																						
31	Mangalore	65	29·775	−·008	29·773	29·919	21st	29·642	10th	·277	78·6	85·1	+0·1	75·5	+0·5	80·3	+0·3	9·6	91·7	1st	73·4	28th & 30th.	18·3
	Calicut	27	29·841	+·003	29·797	29·957	21st	29·720	14th	·237	78·4	84·7	+0·1	75·3	+0·6	80·0	+0·4	9·4	91·8	5th	72·7	12th	19·1
	Cochin	9	29·878	+·006	29·815	29·972	20th	29·769	15th	·203	78·3	86·5	+1·4	74·7	0	80·6	+0·7	11·8	91·8	5th	71·7	14th	20·1
	Trivandrum	198	29·681	+·007	29·811	29·777	21st	29·576	15th	·201	77·8	82·7	−0·2	75·6	+2·0	79·2	+0·9	7·1	87·0	4th, 5th & 6th.	72·5	11th & 14t h.	14·5
32	Tinnevelly	168	29·662	+·006	29·757	29·783	18th	29·572	10th	·211	85·6	95·9	−1·2	78·8	−0·8	87·3	−1·0	17·1	103·3	4th	73·9	13th	29·4
	Pamban	37	29·775	−·003	29·739	29·887	20th	29·681	15th	·206	84·5	91·1	+1·4	80·7	+0·4	85·9	+0·9	10·4	94·3	24th	76·2	1st	18·1
	Madura	447	29·356	−·001	29·737	29·461	20th	29·262	14th	·202	84·1	96·8	−1·4	77·1*	−0·3*	87·2*	−0·9	19·7	103·0	3rd	71·0	8th	32·0
	Periyakulam	944	28·871		29·754	28·985	7th	28·770	15th	·215	79·4	93·5		72·0		81·1		21·5	98·8	4th	67·0	28th	31·8
	Pudukkottai	318	29·490		29·738	29·598	19th	29·398	10th & 13th.	·200	84·1	99·0		77·4		88·2		21·6	103·6	4th	74·7	8th	28·9
	Negapatam	31	29·764	−·003	29·724	29·867	19th & 20th.	29·662	14th	·205	85·2	99·4	−2·3	79·6	+0·4	89·5	−1·0	19·8	105·4	3rd	74·0	12th	31·4
	Trichinopoly	255	29·547	−·004	29·733	29·654	20th.	29·452	15th	·202	84·5	98·6	−0·2	78·6	+0·2	88·7	0	20·0	104·1	5th	76·8	11th	27·3
	Coimbatore	1,318	28·472	−·004	29·772	28·584	20th	28·319	15th	·265	76·4	88·5	−1·6	71·7	+0·1	80·0	−0·8	16·8	96·9	3rd	68·3	4th	28·6
	Salem	940	28·888	−·013	29·767	28·992	21st	28·777	14th	·215	81·0	96·9	+1·7	74·9	+0·7	86·1	+1·2	22·0	102·7	4th	72·4	4th	30·3
	Cuddalore	37	29·735	−·005	29·701	29·848	20th	29·622	14th	·226	85·5	98·5	+0·3	80·5	+1·1	90·2	+0·7	18·0	106·1	4th	76·2	22nd	29·9
	Vellore	707	29·070		29·714	29·188	20th	28·966	15th	·222	83·3	97·2*		78·6		87·9*		18·6	103·7	4th	75·1	2nd	28·6
	Madras	22	29·732	−·014	29·684	29·858	20th	29·625	15th	·233	86·7	100·4	+1·9	81·7	+1·0	91·1	+1·5	18·7	107·5	2nd	75·0	14th	32·5
33	Cuddapah	433	29·337	+·005	29·704	29·452	20th	29·218	15th	·234	86·0	100·4	+0·1	80·3	−0·1	90·4	0	20·1	109·8	1st	72·7	22nd	37·1
	Bellary	1,475	28·307	+·007	29·724	28·427	20th	28·187	14th	·240	79·6	95·4	+0·9	75·6	+0·5	85·6	+0·7	19·8	106·0	1st	70·2	6th & 9th	35·8
	Kurnool	923	28·835	+·003	29·700	28·956	20th	28·708	15th	·248	81·1	95·9	−0·7	77·2	−0·2	86·6	−0·5	18·7	106·3	2nd	72·6	16th	33·7
34	Nellore	61	29·673	+·005	29·666	29·805	20th	29·565	15th	·240	88·1	101·1	−0·7	82·0	−0·2	91·6	−0·5	19·1	110·8	2nd	76·6	13th & 15th.	34·2
	Masulipatam	15	29·695	+·004	29·644	29·821	20th	29·585	15th	·236	86·1	97·3	−0·4	80·3	+0·1	88·8	−0·2	17·0	114·2	4th	71·1	10th	43·1
	Cocanada	26	29·649	−·017	29·611	29·766	5th	29·504	15th	·262	83·7	93·8	−1·4	80·0	−1·0	86·9	−1·2	13·8	112·5	3rd	70·5	10th	42·0
	Waltair (Vizag.)	*926*	29·399	−·030	29·564	29·538	5th	29·239	15th	·299	83·4	90·1		79·6		84·9		10·5	96·9	28th	71·4	10th	25·5
	Calingapatam	19	29·593		29·555	29·742	5th	29·409	16th	·333													
	Gopalpur	72	29·534	−·021	29·545	29·677	4th & 5th.	29·409	16th	·268	83·5	89·4	+0·2	80·3	−0·3	84·9	−0·1	9·1	97·2	10th	75·5	23rd	21·7

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

NOTE.—The barometric readings are not reduced to sea-level in the cases of hill or plateau stations, the elevations of which exceed 5,200 feet.

* mean of 27 days.
† " 29 "

B—*continued.*

in India, etc., in June, 1907.—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 1907.	Normal rainfall for period 1st May to 30th June.	Departure from normal of period 1st May to 30th June 1907.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																XII.—Hyderabad—*contd.*
					3	14	10	3	S 63° W		7·6			79		74		·711		4·6		6	7·80	— 1·80	5·09	5·74	— 0·65	5·09	6·74	— 1·65	2·87	Bidar.
2	1				5	16	6		N 86° W	S 86° W	14·0	14·1	−0·1	79	+12	69	— 7	·683	—·058	5·6	—0·7	6	7·40	— 1·40	4·67	5·71	— 1·04	4·67	6·87	— 2·20	2·60	Gulbarga.
4	2				5	18	1		S 88° W	S 74° W	12·4	14·0	−1·6	72	— 3	70	0	·709	—·009	6·9	+0·5	12	6·20	+ 5·80	4·27	3·12	+ 1·15	4·27	3·84	+ 0·43	1·53	Raichur.
3						21	5		N 82° W	N 87° W	6·8	9·1	−2·3	88	+ 4	66	— 5	·638	—·075	7·0	+0·8	3			5·34	4·37	+ 0·97	5·34	5·36	— 0·02	1·44	Hyderabad (Deccan), ††
				2	2	15	11		N 80° W		11·9			79		56		·634		7·5		7	6·70	+ 0·30	11·02			11·04			3·80	Hanumkonda.
																																XIII.—Mysore.
			1	1	9	15	4		S 79° W	S 68° W	8·0	11·1	−3·1	76	−10	79	— 3	·673	—·002	6·9	−1·7	6	6·00	0	2·46	3·80	— 1·34	2·55	7·54	— 4·99	0·93	Chitaldroog.
3	1			4	12	9	1		S 59° W	S 83° W	3·8	5·0	−1·2	66	−15	85	+	·662	+·022	8·7	0	13	10·40	+ 2·60	4·47	5·01	— 0·54	7·14	10·18	— 2·74	0·54	Hassan.
					14	13	3		S 75° W	S 70° W	11·1	9·3	+1·8	86	— 3	92	+ 1	·631	—·009	7·4	+0·5	5	5·70	— 0·70	4·46	3·05	+ 1·41	6·38	7·27	— 0·89	1·42	Bangalore.
					20	10			S 60° W	S 62° W	13·7	14·6	−0·9	89	+ 3	81	+ 1	·657	0	8·7	+0·6	6	6·00	0	3·16	3·81	— 0·65	5·95	7·18	−1·23	1·02	Mysore.
																																XIV.—Madras.
1	2	2	7	2	2	5	6	3	S 52° W	S 83° W	6·6§	3·2	+3·3	7	− 4	88	— 1	·865	—·008	8·9	+0·1	24	24·60	— 0·60	30·48	35·22	— 5·74	31·21	42·88	−11·67	4·32	Mangalore.
4	2	2	6	3	1	1	5	6	N 6° W	N 22° E	7·6	9·7	−2·1	13	+ 2	89	+ 1	·858	0	9·2	+1·1	24	24·30	— 0·30	47·15	35·61	+11·54	50·58	43·39	+ 7·19	5·15	Calicut.
3	2	4	4	4	1	5	4	3	S	N 9° W	8·8§	6·1	+2·7	1	−21	86	— 1	·855	—·007	7·4	−0·2	25	24·20	+ 0·80	30·09	28·99	+ 1·10	36·28	41·38	— 5·10	3·40	Cochin.
1	10						4	15	N 51° W	N 16° W	7·3§	7·0	+0·3	82	+15	86	— 1	·817	—·023	7·4	—0·7	16	16·50	— 0·50	21·84	12·45	+ 9·39	26·68	21·50	+ 5·18	4·86	Trivandrum.
2	1				8	11	8		N 82° W	N 73° W	7·2	7·8	−0·6	72	+ 1	71	+9	·878	?	6·6	+0·1	1	1·20	− 0·20	0·24	0·56	− 0·32	2·33	1·93	+ 0·40	0·11	Tinnevelly.
2				2	7	16	2	1	S 33° W	S 39° W	17·4	13·4	+4·0	76	− 2	73		·856		3·1		1	0·50	+ 0·50	0·39	0·12	+ 0·27	1·43	0·67	+ 0·76	0·39	Pamban.
1					6	12	11		N 81° W	N 79° W	12·2	4·1	+8·1	79	+19	64	0	·740	—·023	5·5	+0·1	1	2·50	− 1·50	1·83	1·25	+ 0·58	3·28	3·90	− 0·62	1·76	Madura.
21	2	3			1	1	2		N 11° W		4·6			17		66		·621		6·0		0	2·50	− 2·50	0·24	1·05	− 0·81	5·25	3·78	+ 1·47	0·09	Periyakulam.
					7	10	13		N 81° W		10·6			79		63		·737		7·1		3			0·74			3·75			0·33	Pudukkottai.
1					1	12	2		S 69° W	S 61° W	9·0	8·4	+0·6	82	+ 1	62	− 2	·751	—·039	3·4	−1·4	2	3·20	— 1·20	0·95	1·50	− 0·55	1·49	3·11	— 1·62	0·75	Negapatam.
4					1	15	9	1	S 62° W	S 80° W	7·6§	9·2	−1·6	72	−13	66	+ 3	·780	+·048	5·6	−0·4	1	1·90	− 0·90	0·30	1·50	− 1·20	4·94	4·44	+ 0·48	0·30	Trichinopoly.
					3	17	10		S 56° W	S 45° W	9·2	7·0	+2·2	89	+11	83	+ 2	·758	—·008	5·7	−0·2	7	4·90	+ 2·10	3·35	1·65	+ 1·70	5·46	3·93	+ 1·53	1·65	Coimbatore.
		1			2	20	7		S 54° W	S 32° W	7·3	5·0	+2·3	86	+17	80	+ 6	·850	+·069	6·9	+0·9	5	4·50	+ 0·20	2·47	2·97	− 0·50	4·05	7·98	− 3·93	0·73	Salem.
					1	11	12		S 62° W	S 62° W	8·3	2·9	+5·4	86	+16	60	−12	·714	−·168?	5·6	+0·2	3	3·10	− 0·10	0·87	2·00	− 1·13	1·38	2·28	− 0·90	0·36	Cuddalore.
			4	1	7		3	12	N 51° W		6·0			23		60		·683		4·4		3	4·60	− 1·60	0·80	2·62	− 1·82	1·61	5·64	− 4·03	0·31	Vellore.
						7	23		S 80° W	S 66° W	7·8§	8·8	−1·0	92	+18	60	− 3	·755	−·046	5·3	−0·9	7	3·10	− 1·10	2·75	2·21	+ 0·54	2·75	3·11	− 0·36	1·40	Madras.
		1				7	13	9	N 87° W	N 87° W				79	+ 1	59	− 2	·741	−·017	6·8	+0·4	3	4·60	− 1·60	1·26	3·35	− 2·09	1·26	5·15	− 3·89	0·82	Cuddapah.
2	1					5	15	7	N 85° W	S 84° W	8·8	10·6	−1·8	76	+ 2	63	+ 2	·638	−·002	5·9	−1·7	4	4·20	− 0·20	3·69	1·78	+ 1·91	3·77	3·76	+ 0·01	1·54	Bellary.
						12	8	10	S 87° W	S 89° W	12·9§			76	+13	71	+ 5	·742	+·016	6·3	−0·1	6	5·90	+ 0·10	2·71	3·26	− 0·65	2·73	4·31	− 1·58	1·15	Kurnool.
1						1	17	11	N 74° W	N 73° W	9·8§	9·6	+0·2	86	+23	56	− 6	·735	−·087	6·6	0	0	3·00	— 3·00	0·34	1·20	− 0·86	0·34	1·59	− 1·25	0·09	Nellore.
7				1		1	5	16	N 59° W	N 80° W	10·0	9·5	+0·5	62	− 1	71	− 6	·870	—·080	7·0	+0·4	7	6·00	+ 1·00	6·11	4·83	+ 1·28	6·18	6·10	+ 0·08	2·03	Masulipatam.
2						20	8		S 58° W	S 69° W	7·2	8·8	−1·6	86	+11	81	+ 9	·970	?	7·8	+0·8	9	6·20	+ 2·80	17·75	4·76	+12·99	19·60	5·69	+13·91	5·85	Cocanada.
1	1	1			1	18	7	1	S 60° W	S 73° W	12·4			72	− 2	76	+ 2	·870	−·019	8·2	+0·8	8	5·70	+ 2·30	4·33	3·83	+ 0·50	5·28	6·30	−1·02	1·05	Waltair (Vizag.).
	2	2	1	2	4	10	7	2	S 56° W		10·8			46						5·6		6			6·36			8·10			3·74	Calingapatam.
1	3	1	1	1	9	11	2	1	S 32° W	S 39° W	20·5	15·1	+5·4	49	−25	82	− 2	·929	−·024	6·1	−1·1	9	7·10	+1·90	5·40	6·14	− 0·74	7·69	8·24	− 0·55	0·93	Gopalpur.

§ Uncorrected readings.

†† Wind direction of 28 days.

Table

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

Number of sub-division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of Air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6.	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	Stations in the Bay.																						
1	P. V. Fraser §	*8*	P		P	P		P		P	83·5	P		P		P			P		P		P
	Car Nicobar	25	29·842		29·794	29·945	20th	29·771	8th	·174	82·1	85·8		77·3		81·6		8·5	89·3	28th	72·9	11th	16·4
	Port Blair	61	29·756	—·001	29·748	29·871	20th	29·659	10th	·212	80·9	85·2	—0·8	78·5	+0·7	81·9	—0·1	6·7	87·2	8th, 18th & 25th.	74·5	16th	12·7
	Slipper Island	90	29·664†		29·687†	29·774	20th	29·587	15th	·187	82·6	86·5		77·9		82·2		8·6	89·1	5th	71·6	23rd	17·5
	Kashmir.																						
14	Srinagar	5,204	24·775	+·044	24·746	24·938	12th	24·672	8th	·266	62·6	76·7	—6·4	54·1	—4·7	65·4	—5·6	22·6	87·2	27th	47·6	3rd	39·6
	Gulmarg	*8,569*	21·814		21·782	21·919	4th	21·666	8th	·253	53·0	61·9		40·0		51·0		21·9	71·1	29th	34·2	2nd	36·9
	Sonemarg	*8,764*	21·769		21·737	21·866	4th	21·674	23rd	·192	47·1	63·9		38·7		51·3		25·2	75·4	27th	33·6	1st & 4th.	41·8
	Dras	*10,059*	20·759		20·727	20·847	12th	20·577	8th	·270	53·7	71·2		40·5		55·9		30·7	79·4	20th, 27th & 29th.	32·1	14th	47·3
	Leh	11,503	19·673	—·007	19·641	19·769	4th	19·483	8th	·286	50·6	67·0	—6·1	40·8	—3·8	53·9	—5·0	26·2	75·6	28th & 29th.	35·9	4th	39·7
	Skardu	*7,505*	22·786		22·756	22·922	12th	22·666	23rd	·256	61·8	76·0		51·4		63·7		24·6	89·0	18th	30·1	1st	58·9
	Minimarg	*9,359*					(Data	not a	vailab	le.													
	Astor	*7,955*							Ditto														
	Gilgit	4,890	25·053		25·022	25·224	12th	24·844	23rd	·380	70·3	83·5	—11·1	61·8	—8·2	72·7	—9·7	21·7	96·3	27th	50·7	12th	45·6
	Baluchistan.																						
16	Quetta §§	5,502	24·509	—·012	24·469	24·601	5th	24·412	7th	·189	70·5	83·3	—6·6	54·7	—2·0	69·0	—4·3	28·6	92·6	19th	47·3	11th	45·3
	Chaman	4,311	25·531	—·043	25·493	25·645	5th	25·441	17th	·204	77·6	93·4‡	—6·8‡	66·2	—5·3	79·7‡	—6·1	27·1	100·8	26th, 27th & 28th.	59·8	10th & 11th.	41·0
	Robat		26·709		26·668	26·825	6th	26·564	18th	·261	82·7	93·6		75·3‡		84·5‡		18·3	99·5	18th	68·7	5th	30·8
	Hill Stations excluding Kashmir and Baluchistan.																						
	Chitral	*5,486*	(e) 25·026			25·160	4th & 12th.	24·890	8th	·270	68·9	84·8		57·0		71·0		27·8	93·8	27th	49·0	12th	44·8
	Para Chinar	6,000	24·248		24·215	24·406	4th	24·031	8th	·375	70·7	80·9		58·4		69·7		22·5	88·9	27th	49·0	8th	39·9
	Cherat	*4,956*									74·8	87·4	—6·9	68·2	—4·9	77·8	—5·9	19·2	98·1	27th	55·5	8th	42·6
	Murree	6,338	23·738	+·006	23·706	23·858	4th	23·510	8th	·348	68·6	75·2	—6·4	61·2	—3·3	68·2	—4·9	14·1	87·5	27th	47·0	1st & 12th.	40·5
	Kailang	*10,087*	20·922†		20·877†	20·990	13th	20·826	22nd	·164	53·4	68·2	—3·6	41·0	—4·4	54·6	—4·0	27·2	77·8	27th	36·8	1st	41·0
	Simla	7,224	23·013	+·008	22·975	23·102	4th	22·924	1st & 22nd,	·178	65·0	74·4	0	59·9	—1·1	67·2	—0·6	14·5	81·2	27th	49·1	3rd	32·1
	Sanain ‡‡		23·055			23·136	12th	22·958	22nd	·178	66·3	75·6		54·1		64·9		21·5	83·2	27th	46·2	9th	37·0
	Kalabagh ‡‡		20·080			20·162	12th	19·984	8th	·178	49·4	55·6		45·3		50·5		10·3	61·0	27th	35·1	3rd	25·9
	Chakrata	7,022	23·183	+·011	23·143	23·276	12th	23·094	23rd	·182	66·4	76·4	+2·1	59·9	—0·1	68·2	+1·0	16·5	83·8	7th	50·7	3rd	33·1
	Muktesar	7,556	22·774		22·733	22·886	11th	22·686	23rd	·180	64·1	75·6		58·9		67·3		16·7	79·5	6th, 8th & 27th.	52·4	17th	27·1
	Darjeeling	7,376	22·911	—·014	22·886	23·001	13th	22·823	23rd	·178	58·6	64·3	—0·9	55·1	—1·1	59·7	—1·0	9·2	68·2	5th	51·1	1st	17·1
	Shillong	4,920	24·983		24·935	25·091	12th	24·856	23rd	·235	67·5	73·6		62·2		67·9		11·4	78·9	27th	57·2	1st	21·7
	Cherra Poonjee	4,309	25·536		25·487	25·621	4th & 11th.	25·414	23rd	·207	66·2	72·7		64·0		68·4		8·7	77·7	24th	58·8	1st	18·9
	Maymyo	3,515	26·317		26·282	26·391	11th & 19th.	26·252	25th	·139	71·4	77·3		67·0		72·2		10·3	81·4	5th & 6th.	61·6	3rd	19·8
	Pachmarhi	3,536	26·267	+·013	26·214	26·388	3rd	26·165	30th	·223	76·9	90·4	+4·5	72·1	+0·1	81·3	+2·3	18·3	97·7	12th	64·2	21st	33·5
	Mount Abu	3,945	25·883	+·023	25·833	26·004	5th	25·802	23rd	·202	72·6	83·3	0	67·8	—0·3	75·6	—0·2	15·5	91·2	12th	61·9	25th	29·3
	Mercara	3,781	26·159	+·001	26·092	26·259	7th	26·078	12th	·181	65·5	72·3	—0·6	63·5	+0·2	67·9	—0·2	8·8	81·0	1st & 2nd.	61·1	30th	19·9
	Ootacamund	*7,329*	22·980		22·916	23·061	21st	22·873	15th	·188	57·7	64·2		52·6		58·4		11·6	71·0	1st	49·7	21st	21·3
	Kodaikanal	7,686	22·777		22·712	22·875	21st	22·638	14th & 15th.	·187	58·6	66·0		53·5		59·8		12·5	74·5	4th	51·0	17th	23·5

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

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

( ) Aneroid corrected.

† Mean of 22 days.

* Mean of 27 days.

‡ „ „ 29 „

‡‡ Observations of 28 days.

§ Observations of 22 days.

§§ „ „ 20 „

B—*continued.*

in India, etc., in June, 1907—continued.

Wind Direction. Number of winds from Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind Velocity. Mean velocity in miles per hour.	Normal.	Departure from normal.	Wind Steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 30th June 1907.	Normal rainfall for period 1st May to 30th June.	Departure from normal of period, 1st May to 30th June 1907.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																Stations in the Bay.
	1		4	3	3	8	1	2	S 14° W		15·0			36		88		1·011		7·0		12			7·09			7·73			2·46	P. V. Fraser.
					4	17			S 37° W		3·5¶			95		84		·924		10·0		18			13·91			29·91			3·33	Car Nicobar.
					2	12	12	1	S 66° W	S 57° W	11·3	10·4	+0·9	76	+ 2	83	— 5	·872	—·082	8·5	+0·1	11			12·01	18·65	—6·64	36·28	35·74	+0·54	3·97	Port Blair.
3																															2·59	Slipper Island.
1				2	10	15	2		S 27° W		29·3			82		88		·984		7·5		12			7·38			9·68				Kashmir.
																															2·59	Srinagar.
10	3	3	1	4	2	1	3	3	N 67° E	S 45° E	3·9	3·8	+0·1	6	— 2	82	+ 1	·887	—·107	2·2	0	5	3·80	+1·20	4·01	1·79	+2·22	5·59	4·39	+1·20	2·58	Gulmarg.
4	2	13	2	2	1	4	1	1	N 51° E		5·6			33		83		·240		3·6		13			6·24			7·45			1·57	Sonemarg.
																82		·267		3·9		10			4·89			9·83				Minimarg.
24	1		1	1	1	1	1		S		2·8			5		61		·249		3·4		3	1·70	+·30	0·58	0·71	— 0·13	2·52	3·53	—1·01	0·23	Dras.
22						3	4	1	S 78° W		6·5			23		39	— 3	·147	—·037	4·1	+0·5	0	0·60	—·060	0·04	0·17	— 0·13	0·12	0·39	—0·27	0·03	Leh.
29			1						E	S 72° W	2·6¶	2·6	0	3	—44	47		·260		5·3		2	1·10	+0·10	0·80	0·40	+ 0·40	2·14	1·44	+0·70	0·61	Skardu.
15	2	2		2	1	7		1	S 41° W		5·9			13																	Minimarg.
															Data	not	avail	able.													Aster.
																Ditto.															
27						1	1	1	W		2·1			8		47	+ 9	·235	—·020	5·1	+2·3	3	0·80	+2·20	1·58	0·35	+ 1·23	2·34	0·92	+1·42	0·82	Gilgit.
																																Baluchistan.
16					2		1	1	S 51° W	S 8° W	2·3	3·0	—0·7	10	+ 4	43	— 6	·320	—·135	1·7	+1·1	1	0·80	+0·20	0·72	0·19	+ 0·54	0·73	0·59	+0·14	0·72	Quetta.
5	1	2	12	4	3	1	1	1	S 76° E	S 53° W	3·0	3·0	0	46	—2	31	+ 2	·305	—·057	0·5	0	0	0·10	—0·10	0	0·09	— 0·09	0	0·14	—0·14	0	Chaman.
16		8	3	3					N 72° E		2·9			40		52		·589		0		0			0			0			0	Robat.
																																Hill Stations excluding Kashmir and Baluchistan.
																						2			1·04			2·77			0·54	Chitral.
28								2	N 55° W		9·0			3		56		·394		0·9		9	3·40	+5·60	3·96	1·43	+ 2·53	6·51	3·45	+3·06	1·43	Para Chinar.
27						1	2		S 72° W		5·3			10		43		·319		1·0		2			0·60	0·73	— 0·13	1·49	1·94	—0·46	0·37	Cherat.
1	18			3	1	1		6	N 8° W	S 79° E	10·6	9·9	+0·7	59	+54	35	—16	·286	—·217	1·9	—0·8	5	8·00	—3·00	7·22	3·52	+ 3·70	9·21	6·49	+2·72	3·39	Murree.
10	6	1	6	2	5				N 88° E	S 63° E	7·6	7·2	+0·4	27	+16	45	— 7	·310	—·073	2·5	—1·0											Kailang.
	3	3	2	2			8	12	S 81° W		2·3¶	2·1	+0·2	40		52		·211		2·9		2			0·41	1·34	— 0·93	1·75	3·92	—2·17	0·17	Simla.
2	14				12			2	N 23° W	N 41° E	5·4	4·5	+0·9	10	— 5	51	— 15	·307	—·085	2·2	—2·8	4	9·80	—5·80	1·27	7·85	— 6·58	2·42	10·91	—8·49	0·57	Sanaia.
17	1	1			5	2	2		S 31° W		3·8			21		46		·296		2·3		2			0·65			1·73 ††			0·19	Kalabagh.
1	2		1	12	9			3	S 28° E		12·3			53		57		·203		1·9		4			1·24			1·24			0·42	Chakrata.
18				6	6				S 22° E	S 8° W	7·6	7·4	+0·2	37	+28	57	—14	·370	—·067	3·2	—0·8	4	10·60	—6·60	2·75	8·77	—6·02	4·26	11·20	—6·94	2·05	Mukteswar.
13							17		W		9·1			57		58		·338		4·0		4			·293			4·95			1·33	Darjeeling.
9		3	2	8	1	3	3	1	S 35° E	S 76° E	4·0	5·1	—1·1	23	+ 3	96	+ 1	·479	—·013	9·4	+0·8	23	20·81	+2·19	23·24	23·77	— 0·53	31·33	32·55	—1·22	2·23	Shillong.
23				1	4	2			S 1° W		4·3			20		82		·554		7·5		22	20·40	+1·60	14·42	15·87	— 1·45	21·99	26·92	—4·03	2·10	Cherra Poonjee.
12		2	1	3	2	7	1	1	S 12° W		5·2			20		96		·622		8·1		27	24·70	+2·30	91·15	101·56	—10·41	108·88	151·49	—44·61	18·96	Maymyo.
22		1		1	2	4			S 17° W		2·0			17		85		·664		7·9		12	11·80	+0·20	5·35	7·20	— 1·85	13·04	17·62	—4·58	1·00	Pachmarhi. (x)
1	1					6	13	8	N 32° W	S 81° W	11·8	9·2	+2·6	82	+15	63	— 9	·524	—·087	4·8	—1·7	3	11·00	—8·00	4·61	10·92	— 6·31	4·61	11·42	—6·81	1·83	Mount Abu.
	1	1	1	4	6	15	2		S 25° W	S 59° W	11·9	11·4	+0·5	66	— 1	70	— 3	·541	—·030	5·3	0	4	6·70	—2·70	3·65	6·21	— 2·56	3·86	7·20	—3·34	1·96	Mercara.
1					3	6	12	7	S 84° W	N 88° W	4·5	7·8	—3·3	72	— 2	97	+ 4	·615	+·009	9·3	+0·3	21	24·80	—3·80	19·73	2·35	— 7·62	21·35	33·13	—11·78	2·20	Ootacamund.
2			2	1		8	15	2	S 76° W		5·7			62		81		·388		7·9		15	13·30	+1·70	7·00	6·18	+ 0·82	10·39	12·11	—1·72	0·84	Kodaikanal.
	1	1	2	1	1	2	13	9	N 74° W		13·9¶			56		73		·384		5·9		7	8·50	—1·50	1·9	4·01	— 2·07	7·31	10·48	—3·17	0·46	Kotagiri.

¶ Uncorrected readings.

(x) Wind direction for 29 days.

†† Total rainfall from 1st June

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
	XIII.—Extra India.																						
	Singapore (*a*)	10	29·897		29·828	29·964	21st	29·827	12th	·137	85·2	89·5		75·4		82·5		14·1	91·4	23rd	73·8	16th & 17th.	17·6
	Penang (*a*)	20	29·912		29·857	29·929	23rd	29·885	24th	·044	83·4	88·9		74·4		81·7		14·5	92·0	4 days	71·0	7th	21·0
	Trincomalee	12	29·826?	?	29·764?	29·929	20th	29·731	15th	·198	81·1	90·2	−1·4	78·4	0	84·3	−0·7	11·8	96·0	4th	74·5	5th	21·5
	Colombo	40	29·848	−·012	29·814	29·945	19th	29·750	14th	·195	81·1	86·0	+0·3	77·1	−0·4	81·6	−0·1	8·9	88·0	4 days	73·5	14th & 15th.	14·5
	Minicoy	7	29·900		29·833	30·007	21st	29·795	15th	·212	82·6	86·9	+1·3						92·1	5th			
	Amini Divi	*13*	29·837	+·002	29·778	29·966	20th & 21st	29·706	15th	·260	82·9	87·2	+1·2	78·5	+0·5	82·9	+0·9	8·7	92·2	5th	75·4	13th	16·8
	Gyantse	13,120	18·444			18·532	19th	18·338	1st	·194	54·5	73·0		42·7		57·8		30·3	81·8	27th	31·5	1st	50·3
	Pharijong	14,400	17·905¶			17·985	14th	17·779	11th	·206	44·1	54·0		35·4		44·7		18·6	68·1	7th	27·5	1st	40·6
	Gangtok	5,660?	24·355†‡			24·441	22d	24·274	9th	·167	64·1*	72·4*		57·8*		65·1*		14·6	81·7	26th	52·1	14th	29·6
	Gartok	15,100?						Observatory not opened.															
	Kashgar (*c*)	4,255	25·430			25·610	4th	25·220	8th	·390	71·8	86·7	−3·3	62·4	−3·2	74·6	−3·3	24·3	94·3	20th	54·3	17th	40·0
	Kabul		24·171		24·140	24·292	3rd	24·093	23rd	·199	73·4	84·7	−4·6	53·7	−4·9	69·2	−4·8	31·0	93·1	18th	30·9	2nd	62·2
	Meshed **	3,104	26·694†		26·670†	26·784	29th	26·560	17th	·224	71·0	85·6		55·1	−8·3	70·4		30·5	95·0	17th	48·8	24th	46·2
	Jask	13	29·570	+·003	29·540	29·724	3rd	29·442	24th	·282	88·9	95·3	−0·5	82·8	−0·3	89·1	−0·4	12·5	104·2	24th	76·3	1st	27·9
	Muscat	20	29·579	+·028	29·546	29·718	3rd	29·453	17th	·265	92·6	101·1	+7·3	88·4	+0·3	94·8	+3·8	12·7	111·7	26th	82·0	21st	29·7
	Bahrein‡	18	29·649		29·619	29·739	4th	29·556	30th	·178	90·5	98·7		83·3		88·5		10·4	100·2	8th	77·0	4th	23·2
	Bushire	14	29·585	+ 011	29·558	29·702	3rd	29·462	18th	·240	85·5	90·8	−1·1	80·4	−0·1	85·6	−0·6	10·4	96·5	26th	74·5	2nd	22·0
	Basrah	25	29·626		29·610	29·738	4th	29·510	19th	·228	84·6	97·4		78·2		87·8		19·2	101·4	24th	74·7	3rd	26·7
	Ispahan (*b*)	*5,817*	24·277			24·400	5th	24·000	10th	·400	74·1	91·1	−3·3	60·5	−1·4	75·8	−2·4	30·6	95·5	21st, 22nd & 23rd.	55·2	1st	40·3
	Tehran (*b*)	*4,002*	25·655			25·850	4th	25·460	16th	·390	73·6	90·9 ‡‡	−3·5	63·0 ‡‡	−4·1	77·0 ‡‡	−3·8	27·9	98·7	15th & 16th.	58·8	28th, 29th & 30th.	39·9
	Baghdad‡	220	29·567	−·011	29·758	29·683	4th	29·463	19th	·220	85·1 (*d*)	104·1	+1·9	78·1	+2·5	91·1	+2·2	26·0	111·2	7th	74·9	4 days	36·3
	Beirut				29·828						77·9	83·6		69·5		76·6		14·1	88·0	29th	65·5	8th	22·5
	Aden	94	29·678	+·031	29·702	29·766	7th	29·548	16th	·218	88·8	95·0	+0·3	84·9	+1·2	90·0	·0·8	10·1	98·3	5th & 16th.	81·8	1st	16·5
	Perim	201	29·621	+·082	29·755	29·733	10th	29·539	6th	·194	87·6	93·5	−1·7	83·5	+0·8	88·5	−0·5	10·0	98·1	6th	81·4	8th	16·7
	Zanzibar	72	30·064	−·013	30·063	30·126	7th	29·979	1st	·147	75·0	82·1	+0·7	73·6	−0·6	77·9	+0·1	8·5	83·6	2nd	72·0	26th	11·6
	Do. Dunga	*154*	29·953		30·037	30·032	18th	29·865	7th	·167	74·9	82·9							87·3	29th			

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

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

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

** Observations of 2 days. † Mean of 23 days. ‡ Observations of 29 days.

‡‡ Mean of 26 days. ¶ Mean of 24 days.

B—*concluded.*

at 237 stations in India, etc., in June 1907.—concluded.

Wind direction. Number of winds from Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction	Normal direction	Wind velocity. Mean velocity in miles per hour.	Normal.	Departure from normal.	Wind steadiness. Actual percentage.	Departure from normal.	Hygrometry 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 30th June 1907.	Normal rainfall for period 1st May to 30th June.	Departure from normal of period 1st May to 30th June 1907.	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.
15			3	10	6	1	5		N 18° E		S 5·1 S			49						4·8		8			6·52			13·06			2·50	Singapore.
	5	10	4	3		2		6	N 31° E		10·8 S			49						3·7		10			4·18			10·12			1·01	Penang.
						29	1		S 46° W	S 47° W	9·1	16·7	-7·6	96	− 2	79	+ 3	·820	−·056	2·8	−0·7	0			0·07	1·51	− 1·44	3·27	3·97	− 0·70	0·07	Trincomalee.
						18	12		S 63° W	S 62° W	9·7 *	10·5	−0·8	89	+ 3	85	+ 4	·902	+·016	6·9	−0·3	14			6·35	8·23	− 1·88	12·15	19·35	− 7·20	1·17	Colombo.
	1					8	15	6	S 89° W	S 81° W	16·4	16·2	+0·2	83	− 5	81	− 2	·899	+·008	6·9	+0·2	11			9·49	8·60	+ 0·89	12·44	15·00	− 2·56	2·16	Minicoy.
						7	16	7	W					87		80		·908		7·9		15			8·50	13·14	− 4·64	10·30	17·24	− 6·93	1·28	Amini Divi.
				8	11	11			S 5° W		2·8			79		56		·248				2			0·60			0·72			0·28	Gyantse.
14				11	2	2		1	S 29° E		8·7			40		77 *		·221 *		6·2 *		9			8·50			8·50			1·90	Pharijong.
26	1	1		1		1			N 70° E		1·3			3		90		·543		3·8		25			18·25			40·13			1·43	Gangtok.
											Observatory not opened.																					Gartok.
28	1	1					4		N 22° W	N 28° W	5·2	4·8	+0·4	20	+ 3	40	+ 1	·313	−·043	3·0	+0·5	1			0·10	0·31	− 0·21	0·10	1·19	− 1·09	0·10	Kashgar.
	5	5	1		2	7	5	5	N 61° W	N 23° E				33	+27	44		·361		1·0	+0·7	2			0·27	0·21	+ 0·06	0·27	0·75	− 0·48	0·12	Kabul.
																49		·372		0·3	−0·9	0			0	0·23	− 0·23	2·26	0·97	+ 1·29	0	Meshed.
5	1		7	9		2	2	4	S 60° E	S 48° E	10·8	13·2	−2·4	27	+ 7	65	− 2	·894	−·043	1·6	+0·5	0			0	0·11	− 0·11	0	0·11	− 0·11	0	Jask.
18	2		1	4			2	3	N 15° E	N 27° E	3·1	4·7	−1·6	4	−15	62	− 5	·952	+·004	3·4	+1·9	0			0	0·36	− 0·36	0	0·36	− 0·36	0	Muscat.
	3		1				7	18	N 50° W					85		63		·901		0		0			0			0·50			0	Bahrein.
1	2	2		2	1	4	2	15	N 57° W	N 37° W	14·3	10·7	+3·6	53	− 3	79	+17	·972	+·187	0·2	0	0			0	0	0	0·02	0	+ 0·02	0	Bushire.
5	4				1				N					77		73		·862		0·1		0			0			0·27			0	Busrah.
28							2		W	N 50° W	2·4 *	3·8	−1·5	7	−37	57	+ 6	·494	−·003			0			0·05	0	+ 0·05	0·59	0·11	+ 0·48	0·05	Ispahan.
4	1	8	1	7	3	5		1	S 60° E	S 70° W	4·7	3·0	+1·7	27	+10	61	+29	·504 *	+·177	0·5 *	−0·4	0			0·03	0·04	− 0·01	1·13	0·37	+ 0·76	0·03	Tehran.
9	7							13	N 29° W	N 9° W	4·3 ††	4·9	−0·6	63	− 5	38 (d)	− 2	·457 (d)	−·032	0·1 (d)	0	0			0	0	0	0·75	0·24	+ 0·55	0	Baghdad.
		3	1			23	1	2	S 51° W					62		68		·650		1·2		0			0·01			0·29			0·01	Beirut.
4	1	15	1	6		2			N 69° E	S 34° E	9·1 §	9·3	−0·2	49	+23	72	0	·973	+·035	3·6	+0·6	0			0	0·01	− 0·01	0	0·20	− 0·20	0	Aden.
2	4	5	9		1	2	4	1	N 45° E	N 72° W	16·7	13·4	+3·3	29	−23	74	+ 1	·972	+·017	0	−3·5	0			0	0	0	0	0·37	− 0·37	0	Perim.††
					16	13	1		S 22° W	S 13° W	9·0	8·8	+0·2	89	+ 2	92	− 1	·714	−·014	3·5	−1·6	3			0·72	1·07	− 0·35	8·05	11·69	− 3·64	0·32	Zanzibar.
						22	7	1	S 57° W		4·8			92		84		·732		1·9		5			21·41			16·94			0·70	Do. Dunga.

* Mean of 29 days. § Uncorrected readings. †† Mean of 28 days. ‡‡ Wind observations of 28 days. § Mean of 22 days.

Table C.—Abstract of observations taken at 8 hrs., at 25 fourth-class stations in India, etc., in June, 1907.

Table

Abstract of observations taken at 8 hrs.

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.—Eastern Bengal and Assam.																								
4	Bisnath	76·5	87·5	...	71·0	...	79·3	...	16·5	95·9	26th	63·0	7th	32·9	...	...	..	...	...	...	...	...	...	...	...
	Borjuli	79·1	89·7	...	72·1	...	80·9	...	17·6	96·0	27th	66·2	4 days	29·8	...	...	...	..	...	...	...	...	...	...	...
	Chandkhira	78·2	86·9	...	73·6	...	80·3	...	13·3	94·4	26th	69·0	1st	25·4	...	...	...	...	...	...	...	...	...	...	...
	Doom Dooma	75·8	92·0	...	70·3*	...	81·2	...	21·7	99·7	24th	61·8	3rd	37·9	...	...	...	...	...	...	...	...	...	...	...
	Dikom	77·1	87·2	...	73·5	...	80·4	...	13·7	99·4	26th	65·4	7th	34·0	...	...	...	...	...	...	...	...	...	...	...
	Golaghat	78·8	87·1	...	74·0	...	80·6	...	13·1	96·0	26th	65·9	7th	30·1	...	...	...	...	...	...	...	...	...	...	...
	Hailakandi	77·8	87·5	...	74·0	...	80·8	...	13·5	96·0	17th	68·5	1st	27·5	...	...	...	...	...	...	...	...	...	...	...
	Jorehat	78·5	87·9	...	74·1	...	81·0	...	13·8	97·9	26th	65·3	7th	32·6	...	...	...	...	...	...	...	...	...	...	...
	Messa	80·4	91·4	...	73·5	...	82·5	...	17·9	99·4	26th	65·4	6th	34·0	...	...	...	...	...	...	...	...	...	...	...
	Panerihat	74·7	86·3	...	72·7	...	79·5	...	13·6	94·1	26th	65·9	7th	28·2	...	...	...	...	...	...	...	.	...	...	...
	Srimangal	81·0	89·1	...	74·6	...	81·9	...	14·5	94·4	17th	65·2	1st	29·2	...	...	...	...	...	...	...	...	...	...	...
	Tura †	80·3	85·1	...	73·4	...	79·3	...	11·7	89·6	24th	65·4	5th	24·2	...	...	3	...	5	5	15	2	...	S 22° W	...
5	Brahmanbaria	82·7	89·4	...	75·6	...	82·5	...	13·8	97·9	7th	67·4	1st	30·5	...	...	...	...	...	...	...	...	...	...	...
	Dam Dim	76·8	89·8	...	73·1	...	81·5	...	16·7	95·7	25th	68·9	1st	26·8	...	...	...	...	...	...	...	...	...	...	...
	Goalundo	83·3	89·7‡	...	76·2	...	83·0	...	13·5	94·1	7th	69·0	11th	25·1	...	...	...	...	...	...	...	...	...	...	...
	Kalchini	80·0	87·7	...	73·1	...	80·4	...	14·6	95·0	25th	68·7	6th	26·3	...	...	...	...	...	...	...	...	...	...	...
	Nagrakata	77·6	87·5	...	73·2	...	80·4	...	14·3	93·3	25th	70·0	4 days	23·3	...	...	...	...	...	...	...	...	...	...	...
	Pabna	83·3	93·7	...	75·8	...	84·8	...	17·9	99·0	7th	67·9	1st	31·1	...	...	...	...	...	...	...	...	...	...	...
	III.—Bengal.																								
6	Fraserganj	83·7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	22	2	...	3	S 2° W	...
	XI.—Central Provinces.																								
24	Chhindwara	...	...	...	...	...	...	...	Observatory not opened.				...	...	...	...	...	...	...	...	...	...	...	...	...
	Hill Stations.																								
	Panighatta	76·6	86·5	...	72·5	...	79·5	...	14·0	91·5	26th	67·4	1st	24·1	...	...	...	...	..	...	...	...	...	...	...
	Kurseong	66·4	72·7	...	62·8	...	67·8	...	9·9	78·3	25th	58·3	8th	20·0	...	...	...	...	...	...	...	...	...	...	...
	Poo§	...	69·6	...	51·8	...	60·8	...	17·8	78·8	28th	42·0	3rd	36·8	23	...	...	...	3	...	1	...	1	S 27° E	...
	Killa Drosh	66·0	83·5	...	61·1	...	72·3	...	22·4	94·2	28th	54·0	4th & 8th.	40·2	29	...	...	...	...	...	1	...	...	S 45° W	...
	Pishin	...	88·4	...	58·4‡	...	73·3‡	...	30·0	97·4	26th	50·1	2nd & 11th.	47·3	...	...	...	...	...	...	...	...	...	...	...
	Extra India.																								
	D'thala	81·5	91·2	...	59·7	...	75·5	...	31·5	99·4	13th	55·1	18th & 20th.	44·3	...	...	10	5	6	1	2	1	5	N 68° E	...

* Mean of 28 days. † Observations of 10 hrs.

C.

at 25 fourth-class stations in India, etc., in June, 1907.

Wind velocity.			Wind steadiness.		Hygrometry, 8 hrs.				Cloud.		Rainfall.									Heaviest rainfall during month.	Station.
Mean velocity, miles per hour.	Normal.	Percentage departure from normal.	Actual percentage.	Departure from normal.	Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Mean cloud amount at 8 hrs.	Departure from normal.	Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 30th June 1907.	Normal rainfall for period 1st May to 30th June.	Departure from normal of period 1st May to 30th June 1907.		
27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
																					II.—Eastern Bengal and Assam.
...	...	...	...	...	94	...	·895	...	...	...	16	...	...	14·58	...	...	23·72	...	...	3·19	Bisnath.
...	...	...	...	...	95	...	·960	...	...	...	16	...	...	11·32	...	...	17·95	...	...	2·85	Borjuli.
...	...	...	...	...	91	...	·886	...	...	...	23	...	...	25·75	...	...	36·89	...	...	3·37	Chandkhira.
...	...	...	...	...	95	...	·859	...	...	...	15	...	...	21·54	...	...	25·13	...	...	4·07	Doom Dooma.
...	...	...	...	...	90	...	·839	...	...	...	17	...	...	12·74	...	...	18·51	...	...	2·10	Dikom.
...	...	...	...	...	90	...	·894	...	...	...	19	...	...	16·53	...	...	20·39	...	...	2·16	Golaghat.
...	...	...	...	...	90	...	·857	...	...	...	23	...	...	34·50	...	...	39·90	...	...	4·85	Hailakandi.
...	...	...	...	...	88	...	·854	...	...	...	20	...	...	15·79	...	...	22·65	...	...	2·31	Jorehat.
...	...	...	...	...	86	...	·897	...	...	...	20	...	...	20·87	...	...	27·74	...	...	3·22	Messa.
...	...	...	...	...	93	...	·802	...	...	...	12	...	...	8·41	...	...	15·02	...	...	1·89	Panerihat.
...	...	...	...	...	86	...	·917	...	...	...	16	...	...	17·21	...	...	29·06	...	...	4·32	Srimangal.
...	...	...	63	...	83	...	·867	...	6·8	...	20	...	...	21·25	...	..	34·35		...	3·95	Tura.
...	...	...	...	...	83	...	·934	...	...	...	16	...	...	17·43	...	...	26·08	...	...	4·00	Brahmanbaria.
...	...	...	...	...	93	...	·860	...	...	...	20	...	...	23·44	...	...	36·05	...	...	6·73	Dam Dim.
...	...	...	...	...	87	...	1·001	...	...	...	14	...	...	11·37	...	...	20·00	..	...	4·06	Goalundo.
...	...	...	...	...	84	...	·876	...	...	...	20	...	...	23·64	...	..	32·80	...	...	5·30	Kalchini.
...	...	...	...	...	89	...	·839	...	...	...	23	...	...	32·48	...	...	39·74	...	...	5·00	Nagrakata.
...	...	...	...	...	85	...	·970	...	...	...	15	...	...	10·32	...	...	16·33	...	...	2·39	Pabna.
																					III.—Bengal.
...	...	...	77	...	88	...	1·013	...	...	...	13	...	...	23·84	...	...	26·19	...	...	8·24	Fraserganj.
																					XI.—Central Provinces.
...	...	...	...	Observatory	not o	pened.		...	...	...	...	...	...	...	...	...	...	...	...	...	Chhindwara.
																					Hill Stations.
...	...	...	...	...	87	...	·802	...	...	...	21	...	...	19·98	...	...	26·80	...	...	4·70	Panighatta.
...	...	...	...	...	89	...	·575	...	...	...	25	...	...	28·70	...	...	38·41	...	...	4·65	Kurseong.
...	...	...	7	...	...	...	...	...	3·4	...	0	...	...	0	0·27	—0·27	0·34	0·98	0·64	0	Poo.
...	...	...	3	...	60	...	·380	...	0·6	...	2	...	...	0·87	...	...	3·35	...	...	0·47	Killa Drosn.
...	...	...	...	...	...	...	...	...	0·9	...	1	...	...	0·45	0·03	+0·42	0·45	0·22	+0·23	0·45	Pishin.
																					Extra India.
...	...	...	37	...	64	...	·694	...	...	...	1	...	...	0·47	...	...	1·11	...	...	0·16	D'thala.

‡ Mean of 29 days. § Observations of 28 days.

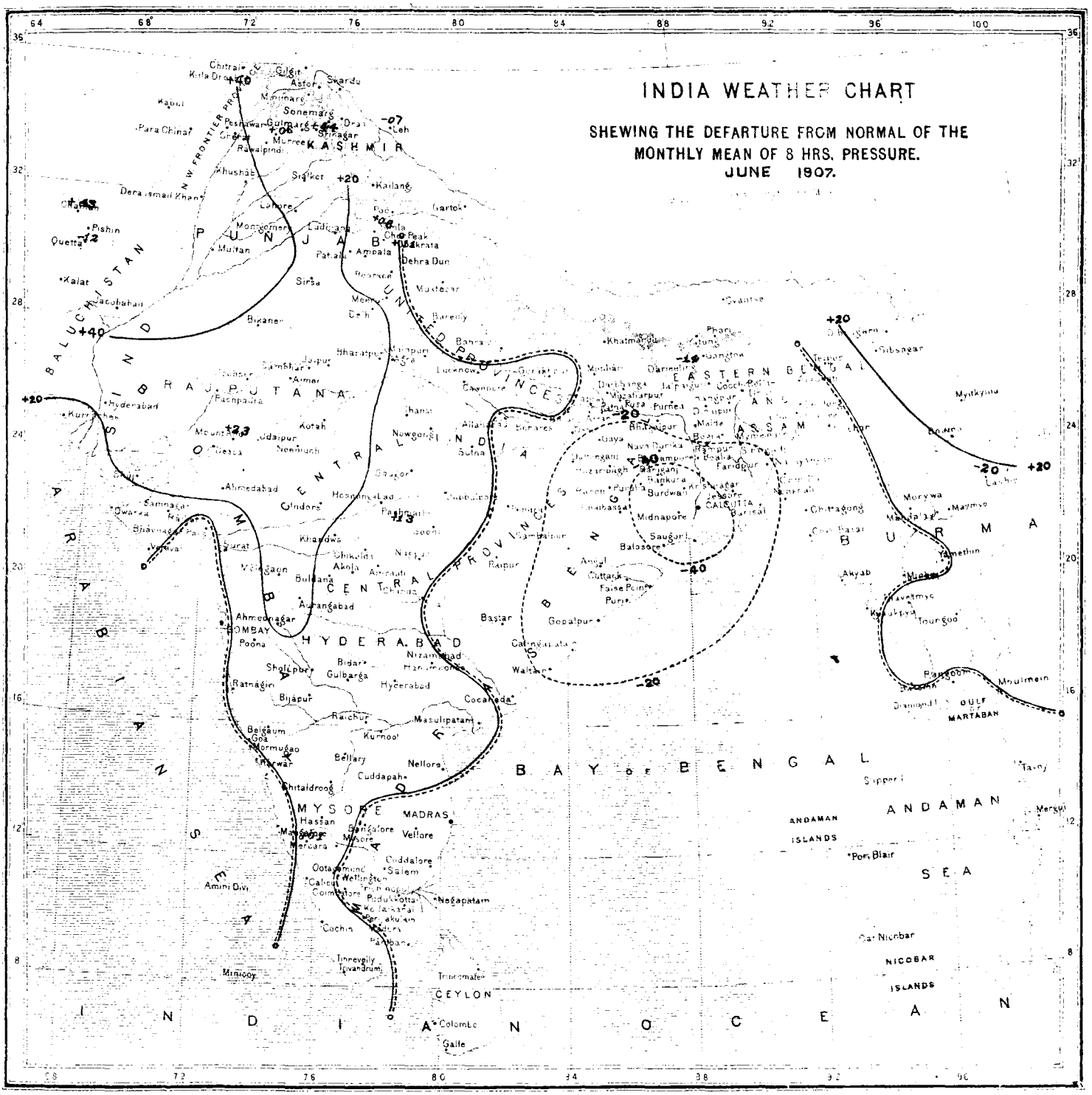
No. 1139E, Wr., India.—Jan '8—1,250.

Zinco, S. I. O., Calcutta

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 I of the 8 hrs. observations. The mean wind directions for the hill stations are indicated by broken arrows to distinguish them from the wind arrows for the plain stations. The mean velocity of the winds during the month is shewn by the following notation:—

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



LITHO BY N.L.HALDER
Surveyor, S. I. O., Calcutta

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

PLATE III

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

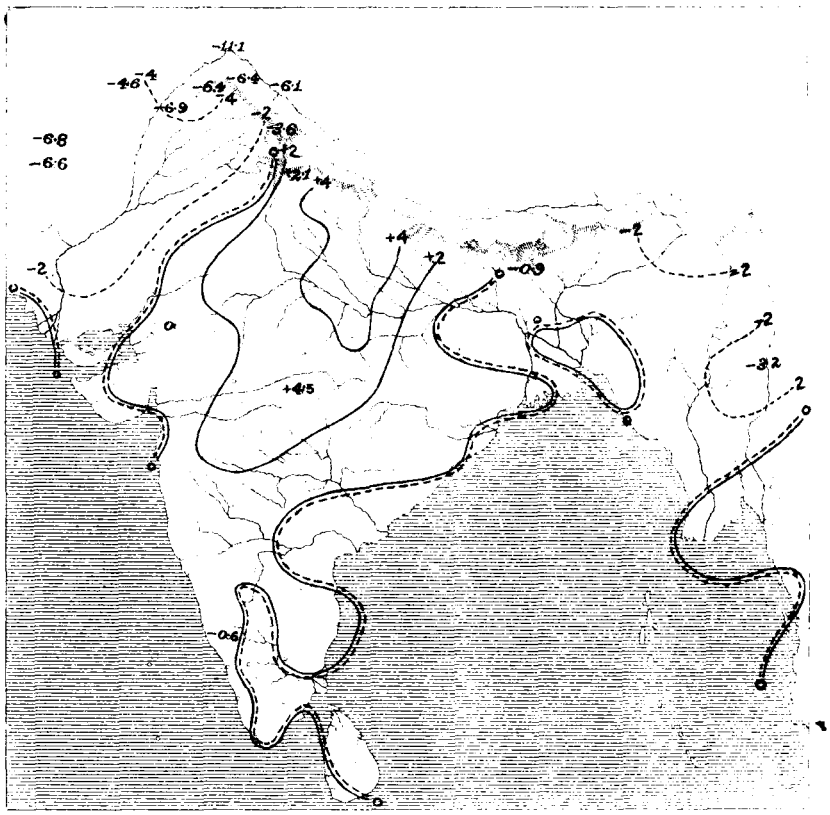
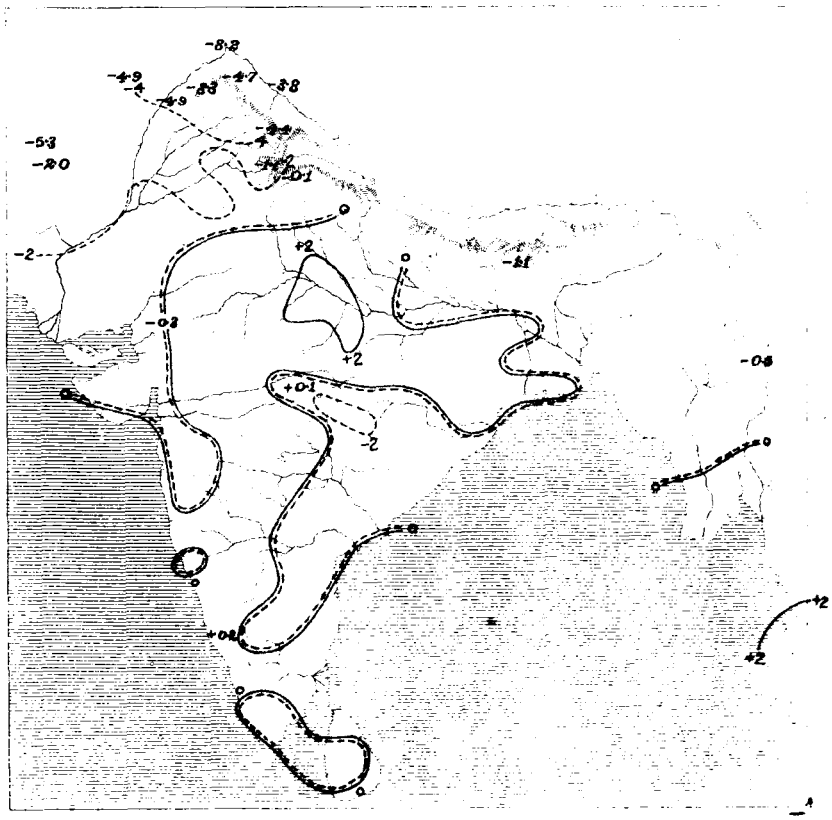


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MINIMUM TEMPERATURE.



LITHO BY P.N.BANERJEE

PLATE IV

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

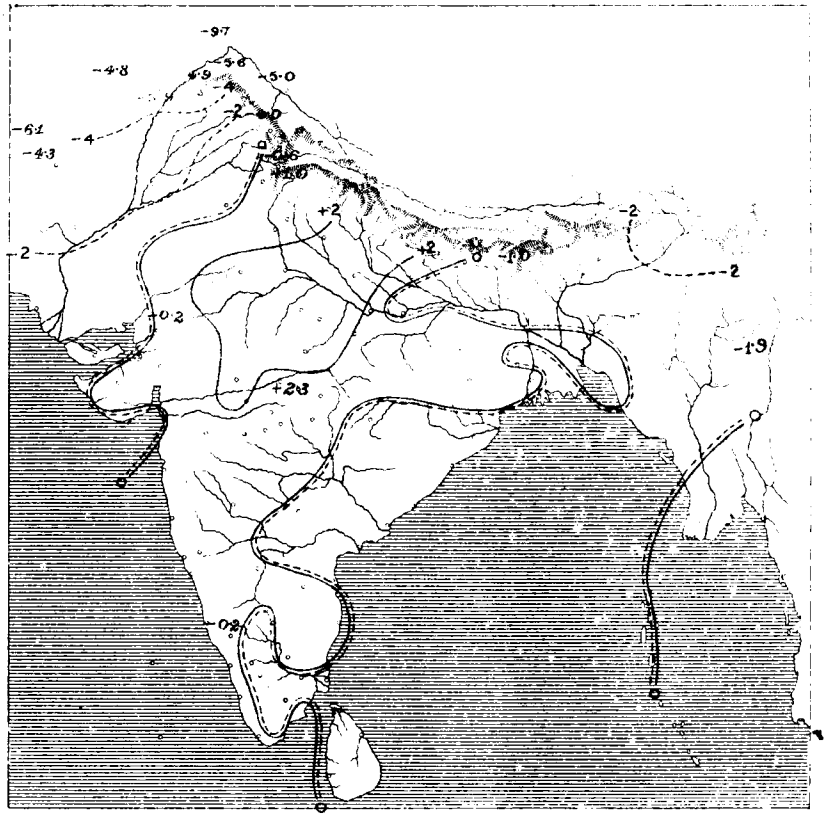
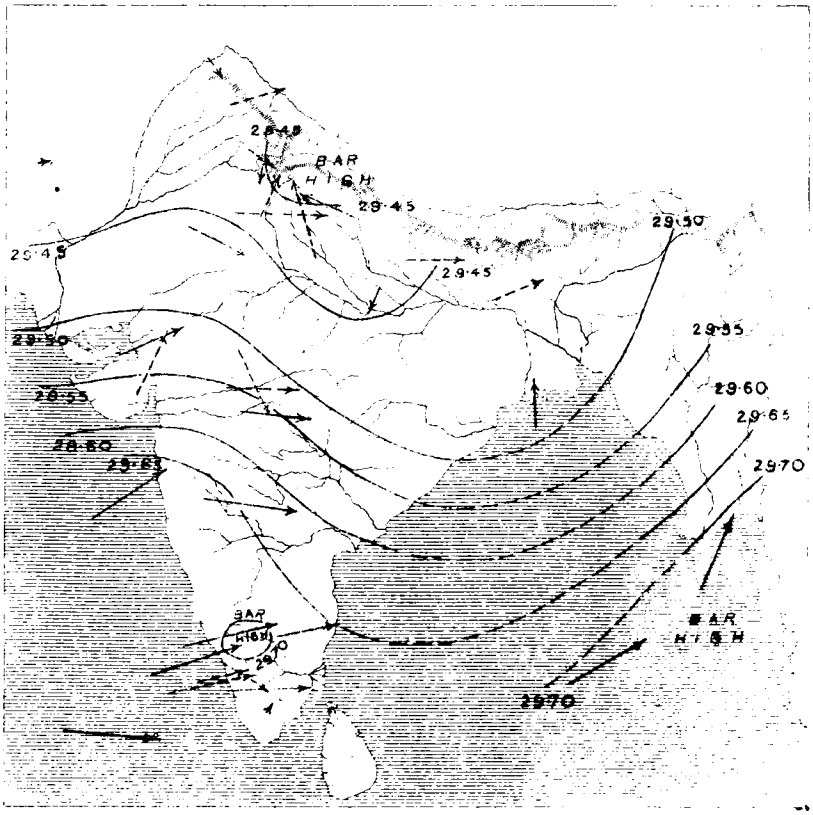


CHART SHEWING THE MONTHLY MEAN OF PRESSURE AND RESULTANT WIND DIRECTION.



LITHO BY P. [illegible]

PLATE V

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

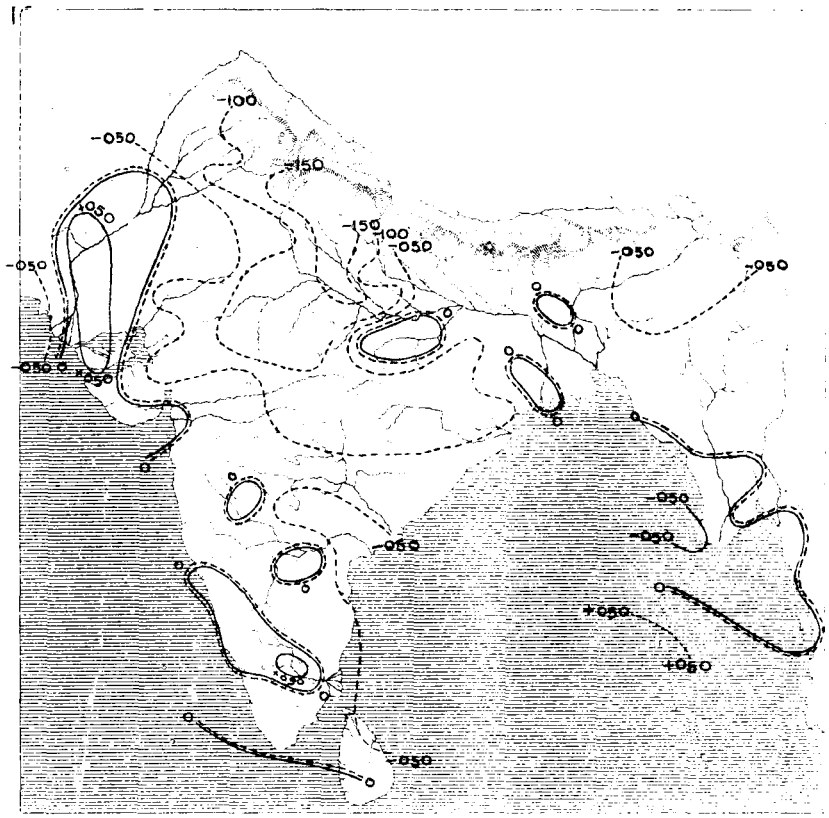
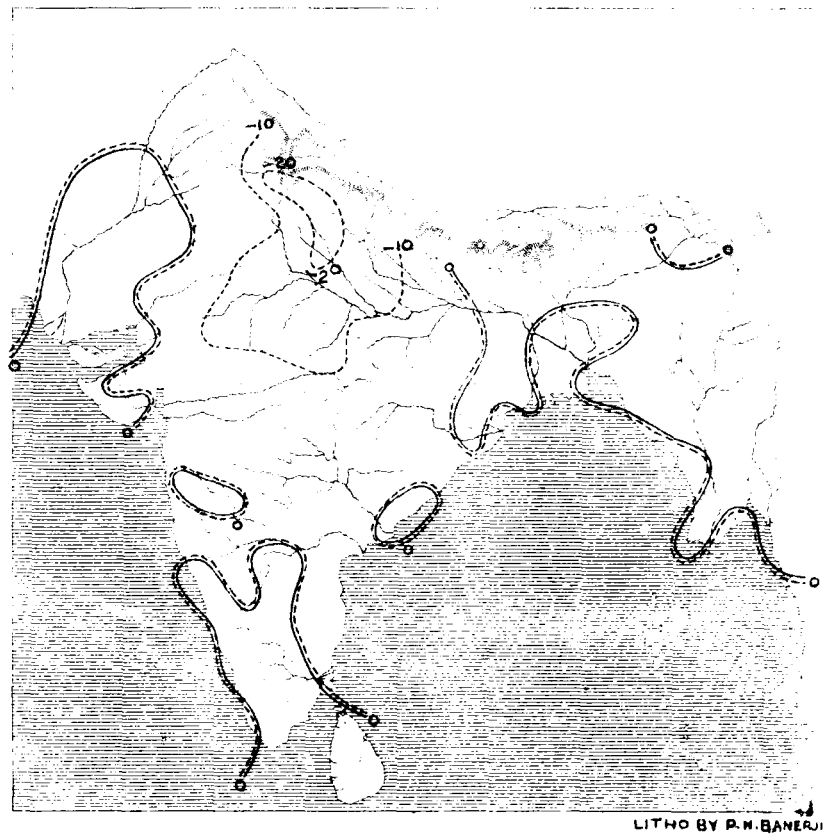


CHART SHEWING THE DEPARTURE FROM NORMAL
OF THE MONTHLY MEAN OF RELATIVE
HUMIDITY AT 8 HRS.



LITHO BY P.N. BANERJI

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

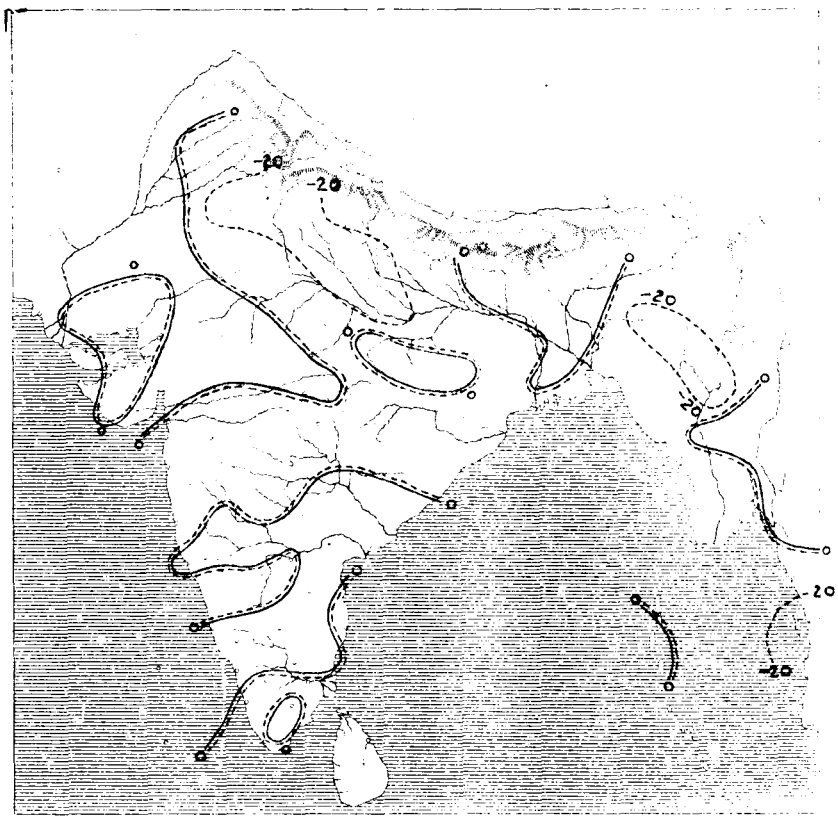
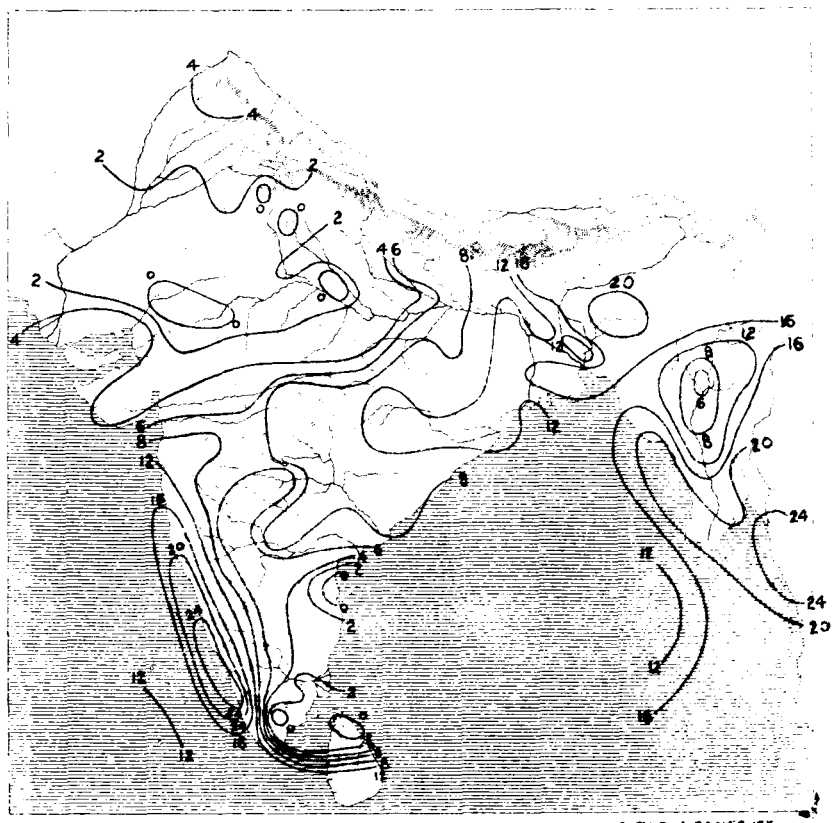


CHART SHEWING THE TOTAL NUMBER OF DAYS IN THE MONTH ON WHICH RAINFALL EQUALLED OR EXCEEDED 0·10 INCH.

(BASED ON THE RETURNS OF TABLE 8)



LITHO BY P. N. BANERJEE.

No. 1139 E., Wr., India.—Jan. 08.—1,250

LITHO. BY N. L. HALDER, Zinco., S. I. C., Calcutta

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

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

GOVERNMENT OF INDIA.

METEOROLOGICAL DEPARTMENT.

MONTHLY WEATHER REVIEW.

PUBLISHED BY ORDER OF

THE GOVERNMENT OF INDIA.

CALCUTTA, JULY, 1907.

INTRODUCTION.

THIS review of the weather in India for the month of July 1907, is based on observations taken daily at 8 hrs at 237 stations and on additional observations taken at 10 hrs and 16 hrs at 38 stations. In the case of the rainfall section of the review there are utilized the data afforded by the meteorological observatories and such rainfall statements of the month as had been published in the Government Gazettes by the Provincial Governments prior to the date of the publication of the review. The brief notes on solar, seismic and magnetic disturbances have been supplied by the chief observatories.

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

Summary of the chief features of the weather in India during the month of July, 1907.

2. The outstanding feature of the weather during July was the prolonged delay in the establishment of the monsoon over northern and central India west of Bengal with the consequent high temperatures and low humidities until the rains finally set in on the 20th. From this date until the end of the month rain fell in all parts of the country except in Sind, west Rajputana and parts of Madras, but it was not nearly sufficient to make up for the deficiency in the earlier part of the month. In the Peninsula, however, the rainfall was heavier than usual in most places and was over 60 per cent in excess in the Madras Deccan; there was also an excess in Eastern Bengal and Assam, but in all other parts of India rainfall was in defect, the deficiency being very large in Orissa, Chota Nagpur, the United Provinces, the Punjab, Sind, Rajputana, the east of Central India and the Central Provinces excluding Berar.

No depression or cyclonic storms formed over the head of the Bay, a most unusual occurrence in July.

Solar, seismic and magnetic disturbances.

KODAIKANAL OBSERVATORY.

3. *Solar Observations.*—The weather continued to be unfavourable for solar observations in July as in June. On two days the sun was not seen at all and on 10 other days prominences could not be recorded.

Sunspots.—The spot activity did not show any increase during the month. On the first 10 days there were only

one or two spots on the sun. There were in all 20 spot groups observed and the daily average was 3·1 as against 2·7 in June. The chief spots of the month were Nos. 1185, 1187 and 1189. No. 1185 was on the sun from the 11th to 23rd. It was of round and regular outline and was quite free from the smaller companions which generally accompany the larger sized spots. The spectrum of the spot indicated some disturbance on the 14th when the C line was strongly reversed close to it. No. 1187 came round the east limb on the 12th and was in about the same region as that occupied by the larger spot (No. 1175) of June. In the beginning it consisted of a double spot but the rear companion soon broke up into smaller dots. Most of these when the group approached the west limb vanished and the leader alone went round to the other side on the 23rd. No. 1189 was a small spot when it was first seen near the east limb on the 20th. It soon developed and attained its maximum size on the 26th when it was on the central meridian, after which it became smaller.

The distribution of spots in latitude was as follows :—

	0°-10°	10°-20°	20°-30°	
North	4	4	—	8
South	6	5	1	12

Prominences.—There were 28 large prominences observed on the 19 days when this observation was possible. On the 4th at position angle 266° an intensely bright eruptive prominence was photographed which was rapidly increasing in height. It was 200″ high at 8h. 10m. I. S. T; about 8m later the prominence had attained to 315″ or nearly 152,000 miles.

Magnetic disturbances.—Moderate magnetic disturbances were recorded on the 10th and 11th and on the 27th and 28th. There were no spots close to the central meridian on any of these days.

J. EVERSHED,
Ag. Director,
Kodaikanal and Madras Observatories.

Note on the Alibag Magnetic Record.

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

The days of the month selected as quiet are the 13th, 14th, 16th, 17th, and the 20th.

The mean observed absolute values of the several elements, as also the ranges and the summed ranges of the horizontal force and declination for the month are as follow:—

Declination	1° 1′ 23″ east.
Horizontal force	0·36886 C. G. S. unit.
Dip	23° 14′·5.
Horizontal force range	0·00040 C. G. S. unit.
Horizontal force summed range	0·00294 C. G. S. unit.
Declination range	4′·71
Declination summed range	21′·10

[Note.—Summed range means sum without regard to signs of 24 ordinates of diurnal inequality.]

Magnetic disturbances, July 1907.

July 1907.		July 1907.		July 1907.	
1	S.	11	M	21	C.
2	S.	12	S.	22	S.
3	S.	13	C.	23	C.
4	S.	14	C.	24	C.
5	S.	15	C.	25	M.
6	S.	16	C.	26	S.
7	S.	17	C.	27	S.
8	S.	18	C.	28	S.
9	S.	19	C.	29	S.
10	S.	20	C.	30	C.
				31	S.

The magnitudes of the disturbances are determined from horizontal force traces. C.=calm; S.=small; M.=moderate; G.=great; V. G.=very great Days are reckoned from midnight to midnight.

Seismic disturbances recorded at Colaba.—Four small seismic disturbances were recorded during the month on the 9th, 12th, 20th and 29th.

List of Seismic Disturbances,

Date.	Commencement.		Max.		End.		Max. displacement from mean position.	Duration.	
	H.	M.	H.	M.	H.	M.	m.m.	H.	M.
1907 July 9	19	11·8	19	33·5	20	1·8	0·8	0	50·0
12	17	22·0	17	24·0	17	36·5	1·0	0	14·5
20	13	54·9	14	16·1	14	34·2	2·0	0	39·3
29	19	47·0	20	3·1	20	24·4	0·4	0	37·4

All the times given above denote G. M. T.

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

CALCUTTA OBSERVATORY.

5. *List of displacements recorded by the Milne Seismograph at the Alipore Observatory, during July, 1907.*

Date 1907.	P. T. Commencement. G. M. T.	L. W. Commencement. G. M. T.	Maximum. G. M. T.	End. G. M. T.	Duration.	Maximum displacement on trace from mean position.	REMARKS.
	H. M.	H. M.	H. M.	H. M.	H. M.	m.m.	
July 4th	9-36·5	9-38·1	9-42·1	9-50·8	0-14·3	0·75	
„ 5th	16-2·9	—	—	16-34·4	0-31·5	—	Thickening of the line.
„ 9th	19-2·9	19-10·6	19-22·8	20-19·3	1-16·4	3·00	
„ 11th	11-50·6	—	11-52·6	12-3·8	0-13·2	6·50?	
„ 12th	17-20·1	17-29·8	17-31·3	17-44·1	0-24·0	1·25	
„ 20th	13-45·4	—	14-3·7	14-22·6	0-37·2	2·00	
„ 27th	12-38·8	—	12-46·5	13-2·6	0-23·8	0·50	
„ 29th	19-37·9	19-55·7	20-9·5	20-35·4	0-57·5	0·75	

C. W. PEAKE,
Meteorologist, Calcutta.

SIMLA OBSERVATORY.

6. List of earthquakes recorded by the Omori-Ewing Seismograph; the magnificent was 20 during the month of July 1907.

Date.	Beginning of 1st P. T. G. M. T.	Beginning of 2nd P. T. G.M. T.	Beginning of L. W. G.M.T.	Time of maximum amplitude G.M.T.	Approximate end G.M.T.	Duration.	Maximum displacement of style mm.	REMARKS.
	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.		
4th	9-23·2	9-26·9	9-29·5	9-31·4	9-43·5	0-20	1	Origin unknown; its distance comparable with 1,700 miles.
12th	17-22·8	...	17-25·2	17-25·6	17-43	0-20		2*
14th	...	...	...	6-34·9	...	...	·3	Local.
15th	...	...	10-36·2	...	10-36·4	0·2	1	Do.
16th	...	...	...	20-9·0	...	...	·5	Do.
31st	...	...	3-5·2	...	3-5·6	0-0·4	·2	Do.

* It is probable that this is the record of the earthquake that was felt at Ahmedabad on the night of the 12th.

7. An earthquake occurred in Quetta on the 6th at 20 hrs. G. M. T., but it was not recorded on the Simla seismograph.

J. PATTERSON,
Imperial Meteorologist, Simla.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

7. *Solar observations:*—Observations were taken on every day except the 15th and 30th, groups of sunspots being seen throughout. They were numerous from the 11th to the end of the month and faculæ were visible on each day except the 31st.

Day.	Time.	Disturbance.
1	9 to 13 h.	Double wave in H. F. (+18 to −12).
1 to 2	20 h. to 4 h.	Undulation in H. F. (+8).
3	1 to 3 h.	Wave in H. F. (+16).
3 to 4	23½ h. to 2 h.	Wave in H. F. (+10).
5	12½ to 19 h.	Wave in H. F. (−24).
7	10½ to 17 h.	Wave in H. F. (+25).
7	19½ to 20 h.	Wave in H. F. (+15).
7	22 to 23 h.	Wave in H. F. (+12).
8	2 to 4 h.	Wave in H. F. (+15).
10	18 to 22 h.	Sharp increase in H. F. (17) followed by fluctuations (±8) till 11 d. 15h. with wave 11 d. 1 h. to 3 h. (+40) occasional undulations in Decl: with wave, 11 d. 1 h. to 1½ h. (+20).
25	13½ to 15 h.	Decrease in H. F. (51) followed by occasional small fluctuations till 26 d. 2 h. and an increase (22) from 26 d. 2½ h. to 3 h.
28	0 to 7 h.	Loss of H. F. and Decl:
28	8 to 10 h.	Decrease in H. F. (42).
29	0 to 7 h.	Occasional small fluctuations in H. F.

T. F. CLAXTON, *Director.*

Weather in the Indian monsoon region.

8. Pressure was in moderate defect at Mauritius and Seychelles and was normal at Zanzibar. Winds were approximately normal at all three stations, and were weaker than usual at Mauritius but were stronger at the other stations. Rainfall was in large defect at Mauritius and Zanzibar, and in excess at Seychelles.

The conditions were on the whole not unfavourable for Indian monsoon rainfall.

	Mauritius.	Zanzibar.	Seychelles.
Departure from normal of mean pressure.	−·025	+·002	−·045
Actual mean wind direction	S 49° E	S 5° E	S 23° E
Normal mean wind direction	S 64° E	S 6° E	S 33° E
Actual mean wind velocity (miles per diem).	261	252	321
Normal mean wind velocity (miles per diem).	287	197	289
Rainfall departure from normal	−1·92	−2·11	+1·18

Depressions and cyclonic storms.

9. A remarkable feature of the month was the entire absence of depressions and cyclonic storms in the Bay of Bengal where on the average two storms occur during this period. The trough of low pressure in northern India was close against the Himalayas from the 5th to the 19th and thus prevented the winds of the Bay monsoon from

extending up the Gangetic plain. On the 20th, however, a sudden change brought the trough away from the hills and the monsoon currents quickly spread over the United Provinces and the Punjab, giving a good burst of rain which lasted until the end of the month. Three local disturbances affected the weather in the extreme north and gave light rain probably with snow on the higher ranges.

Pressure.

10. On the mean of the whole of India pressure was 0·005″ in defect. In Sind, Rajputana and west Gujarat pressure was in considerable excess, while in Burma and the greater part of north-east India it was approximately normal, but between these two areas there was a region of deficient pressure, the central part of which extended north-westward from the south-east of the United Provinces and the south-west of Bihar to the Central Himalayas. It was in this area that the lowest pressure occurred in the trough of low pressure, and while this feature existed during the first three weeks of the month the Bay current could not penetrate up the Gangetic plain, thus occasioning the prolonged delay in establishing monsoon conditions in the United Provinces, the Punjab and Central India. In the Peninsula pressure was generally in defect, especially in the south and the rainfall in this area was greater than usual.

At the level of the hill stations pressure followed the same general distribution as on the plains except in the north-west. In Kashmir, pressure was in slight excess and in Baluchistan as represented by Quetta it was in defect. The vertical gradients were thus steeper than usual between Baluchistan and Sind and not so steep between the plains of the north Punjab and Kashmir.

Hill Station	Departure from normal pressure. A.	Plain Station.	Departure from normal pressure. B.	Departure of pressure Difference B.—A.
	″		″	
Quetta	—·037	Jacobabad	+·024	+·061
Leh	+·015	Lahore	0	—·015
Murree	+·017	Peshawar	+·015	—·002
Simla	+·009	Ludhiana	+·002	—·007

Hill Station	Departure from normal pressure A.	Plain Station.	Departure from normal pressure B.	Departure of pressure Difference B.—A.
	″		″	″
Chakrata	+·008	Roorkee	—·015	—·023
Darjeeling	—·011	Dhubri	—·007	+·004
Mount Abu	+·027	Deesa	+·026	—·001
Pachmarhi	+·010	Khandwa	+·002	—·008

Division.	Departure from normal of mean 8 hrs. pressure
	″
Burma	+·001
Eastern Bengal and Assam	+·006
Bengal	0
United Provinces	—·020
Punjab	+·005
North-West Frontier Province	+·006
Sind	+·026
Rajputana	+·020
Bombay	—·002
Central India	—·007
Central Provinces	—·002
Hyderabad	—·018
Mysore	—·023
Madras	—·020

Temperature.

11. The most noteworthy feature of the temperature conditions during July was the very large excess that occurred in the United Provinces, Central India, the north of the Central Provinces, north Gujarat and Rajputana, due to the late establishment of monsoon conditions. In these regions the maximum was from 6° to 11° higher than usual and the highest temperature recorded during the month was 113.°7 at Mainpuri on the 18th, but the minimum only ranged from 2° to 6° above the normal. The excess of temperature was a persistent feature of the weather up to the 20th when the monsoon broke and after that date temperature was normal.

In Kashmir where weather was frequently affected by local disturbances both maximum and minimum temperatures were considerably below normal and the influence of the cold weather in this region was probably felt over the Punjab and in consequence maximum temperature was not much above the normal although the monsoon did not become established until the last week of the month, while minimum temperature was a trifle below normal in the Punjab and the North-West Frontier Province. In Burma, north east India and the Peninsula as the monsoon was well established throughout the month normal temperature conditions prevailed.

Sub-division.	Actual temperatures.					Departure from normal of month of		
	Mean maximum.	Mean minimum.	Monthly mean of mean between maximum and minimum.	Mean daily range of temperature.	Absolute range during month.	Maximum.	Minimum.	Daily range.
	°	°	°	°	°	°	°	°
1. Bay Islands	85·3	76·6	81·0	8·7	15·7	—1·0	—0·6	—0·4
2. Lower Burma	85·2	75·9	80·6	9·3	16·0	+0·6	+0·8	—0·2
3. Upper do.	89·5	76·4	82·9	13·2	21·0	—0·4	+0·6	—1·0
4. Assam	87·4	76·9	82·2	10·5	18·0	—1·3	—0·5	—0·8
5. Eastern Bengal	87·1	77·7	82·4	9·4	18·6	—0·8	—0·5	—0·3
6. Bengal	89·8	79·1	84·5	10·7	19·2	+0·4	+0·3	+0·1
7. Orissa	89·4	79·1	84·3	10·3	18·5	+1·3	+0·8	+0·5
8. Chota Nagpur	90·1	77·2	83·7	12·9	21·8	+2·3	+1·4	+0·9
9. Bihar	90·6	79·3	85·0	11·4	22·9	+0·2	—0·2	+0·4
10. United Provinces, East	98·4	81·6	90·0	16·7	33·2	+6·7	+2·3	+4·4
11. United Provinces, West	99·5	81·3	90·4	18·2	35·7	+8·2	+2·8	+5·4
12. Punjab, East and North	102·0	80·9	91·5	21·1	40·5	+5·1	+1·3	+3·8
13. Punjab, South-west	106·0	83·1	94·6	22·9	42·0	+2·3	—0·1	+2·4
14. Kashmir	77·1	51·8	64·4	25·3	43·9	—4·1	—4·9	+0·8
15. N.-W. Frontier Province	105·3	79·5	92·5	25·8	44·5	+2·2	—1·5	+3·7
16. Baluchistan	97·6	72·1	84·9	25·5	36·5	+1·8	+1·2	+0·6
17. Sind	102·4	83·8	93·2	18·6	27·9	+3·3	+1·9	+1·4
18. Rajputana, West	104·1	83·3	93·7	20·7	36·6	+5·6	+2·3	+3·3
19. Do., East	99·9	81·6	90·8	18·2	33·4	+7·8	+4·0	+3·8
20. Gujarat	93·4	79·3	86·4	14·2	27·3	+4·4	+1·1	+3·3
21. Central India, West	93·7	75·7	84·7	18·0	34·2	+7·7	+2·4	+5·3
22. Do., East	98·9	82·5	90·7	16·4	32·3	+10·2	+5·0	+5·2
23. Berar	90·6	75·4	83·0	15·3	26·7	+2·5	+1·6	+0·9
24. Central Provinces, West	91·5	76·0	83·8	15·5	29·4	+5·4	+1·6	+3·8
25. Do., East	88·1	73·8	80·9	14·3	27·8	+1·0	—1·4	+2·4
26. Konkan	84·1	76·5	80·3	7·5	14·4	+0·6	+0·4	+0·2
27. Bombay Deccan	85·5	70·9	78·2	14·6	24·8	+1·1	+0·3	+0·8
28. Hyderabad, North	87·2	72·1	79·7	15·1	27·2	...	...	...
29. Do., South	88·4	73·7	81·1	14·7	25·9	—0·7	+0·6	—1·3
30. Mysore	81·6	67·0	74·3	14·7	24·1	+0·8	+0·5	+0·3
31. Malabar	82·5	74·6	78·6	8·0	14·6	—0·3	+0·2	—0·5
32. Madras, South-east	94·2	76·7	85·3	17·5	26·3	—0·3	+0·4	—0·7
33. Madras, Deccan	92·5	75·7	84·1	16·8	28·5	0	0	0
34. Do., Coast, North	91·0	78·6	84·8	12·4	22·5	—0·6	—0·4	—0·2

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

Winds.

12. In keeping with the general weakness of the monsoon during July winds were not as strong as usual over almost the whole country, especially in the Bombay Presidency and Hyderabad. In Bengal, the United Provinces, Rajputana and Madras the normal amount of air movement occurred, while in the Punjab winds were considerably above the normal strength.

In Burma, the Punjab and Mysore the winds did not show their usual steadiness; while in Bengal, the United Provinces and Rajputana they were steadier than usual, and the directions of the air movement corresponded closely with the normal except at a few stations in the United Provinces and the Punjab.

Division.	Departure from normal of	
	Hourly wind velocity.	Wind steadiness.
Burma	−0·7	−11
Eastern Bengal and Assam	−0·9	+7
Bengal	0	+13
United Provinces	+0·2	+9
Punjab	+0·8	−9
North-West Frontier Province	−1·1	+1
Sind	−3·8	+3
Rajputana	−0·1	+14
Bombay	−3·2	−7
Central India	−0·7	+4
Central Provinces	−0·4	−5
Hyderabad	−4·9	−5
Mysore	−1·5	−8
Madras	+0·3	−5

Humidity and cloud.

13. The absolute amount of moisture in the air was in large defect over the Punjab and the west of the United Provinces, but the deficiency decreased as the distance increased from these areas and in Burma, north-east India and the Peninsula, the regions where the monsoon was established during the greater part of the month, as well as in Sind, the amount of moisture present was equal to the average. As regards humidity there was the same general distribution, but the unusual dryness of the air extend over almost the whole of Rajputana and the United Provinces, owing to the abnormally high temperatures prevailing over these regions.

Skies were singularly free from cloud in the Punjab, Rajputana and the greater part of the United Provinces, during the first three weeks of the month; but when the monsoon set in they were generally heavily clouded. In Burma, north-east India and the Central Provinces the cloud distribution was very irregular, and in the Mandalay

and Yamethin districts of Burma, and in the south-east of the Central Provinces cloud was very much less than usual.

Division.	Hygrometry, 8 hrs.				Cloud.	
	Mean humidity.	Departure from normal.	Mean vapour tension in inches of mercury.	Departure from normal in inches of mercury.	Mean cloud amount at 8 hours.	Departure from normal.
	%					
Burma	89	+1	·887	+·012	7·1	—1·2
Eastern Bengal and Assam	91	+1	·950	—·008	7·8	—0·5
Bengal	86	0	·956	+·018	7·1	—0·4
United Provinces	70	—14	·867	—·066	4·9	—2·1
Punjab	56	—16	·724	—·147	2·4	—1·8
North-West Frontier Province	56	—10	·727	—·128	2·4	—0·4
Sind	69	—2	·927	+·036	4·2	—1·1
Rajputana	63	—12	·790	—·026	3·6	—3·3
Bombay	82	—1	848	—·002	7·2	—0·7
Central India	73	—11	·804	—·027	8·3	+0·9
Central Provinces	80	—5	·795	—·014	7·3	—0·6
Hyderabad	78	0	·723	—·003	6·9	—0·4
Mysore	85	+1	·649	+·015	8·5	—0·1
Madras	76	+1	·805	+·014	6·8	—0·5

Rainfall.

14. The Arabian Sea monsoon was fairly active over the Peninsula and the central parts of the country on the 1st; but it suddenly withdrew by next morning and the rainfall due to it was scanty and chiefly restricted to the west coast districts up to the 9th. On the 10th a fresh advance of the monsoon began on the Malabar coast, but as it moved northward it failed to carry rainfall of any importance into the interior of the country except in the Deccan; and in this area as well as on the west coast of the Peninsula good rain fell up to the 20th.

During the first three weeks the Bay monsoon, owing to the trough of low pressure being close against the Himalayas, was restricted to Burma and northeast-India, in both of which areas it was fairly abundant.

On the 20th, the trough of low pressure moved away from the Himalayas and permitted the Bay current to extend up the Gangetic plain into the Punjab and established monsoon conditions over these areas At the same time the Arabian Sea current strengthened considerably and during the rest of the month monsoon rains occurred in all parts of India excepting west Rajputana, Sind and parts of the Madras Presidency.

In the United Provinces, the Punjab, Rajputana, the east of Central India, and the Central Provinces excluding Berar, the monsoon was only active for the last ten days of the month and in consequence rainfall was in very large defect in all these areas, but especially in the Punjab where the deficiency amounted to 53 per cent. There was also a great scarcity of rain in Orissa and Chota Nagpur. The Bay monsoon was most active in Eastern Bengal and Assam where rainfall was nearly 20 per cent. in excess; but in all other parts of its field there was insufficient rain. In the Peninsula the greater part of which is served by the Arabian Sea current rainfall was generally heavier than usual, especially in the Madras Deccan which received 62 per. cent more than the usual amount. It is of interest to note that it generally happens, when there is a break in northern India, that the monsoon is more active than usual in the Peninsula.

In the following tables are given the rainfall data for the 34 sub-divisions and the 14 meteorological divisions.

Sub-division.	Number of Rainy Days.		Rainfall.			
	Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
			Inches.	Inches.	Inches.	
1. Bay Islands	18·5	21·0	13·97	14·73	—0·76	—
2. Lower Burma	23·8	25·3	25·41	29·59	—4·18	— 14
3. Upper do.	6·9	9·7	4·34	6·75	—2·41	— 36

Sub-division.	Number of rainy days		Rainfall.			
	Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
			Inches.	Inches.	Inches.	
4. Assam	21·8	19·2	21·55	18·05	+3·50	+19
5. Eastern Bengal	18·8	17·8	20·91	17·71	+3·20	+18
6. Bengal	14·2	15·9	10·07	12·33	—2·26	—18
7. Orissa	10·6	15·0	6·89	12·50	—5·61	—45
8. Chota Nagpur	11·7	16·6	7·42	14·09	—6·67	—47
9. Bihar	11·6	14·4	9·66	13·15	—3·49	—27
10. United Provinces, East	7·6	12·7	7·07	11·96	—4·89	—41
11. Do. do., West	7·3	11·8	7·74	12·28	—4·54	—37
12. Punjab, East and North	4·3	7·0	3·19	6·74	—3·55	—53
13. Do., South-west	2·3	3·0	1·17	2·47	—1·30	—53
14. Kashmir	4·0	5·4	2·13	4·25	—2·12	—50
15. North-West Frontier Province	2·9	4·1	1·59	3·16	—1·57	—50
16. Baluchistan	0·9	1·5	0·42	0·87	—0·45	—52
17. Sind	0·5	2·7	0·16	2·40	—2·24	—93
18. Rajputana, West	3·1	4·7	2·12	3·88	—1·76	—45
19. Do., East	6·4	9·5	4·51	8·07	—3·56	—44
20. Gujarat	10·6	13·1	12·76	13·85	—1·09	— 8
21. Central India, West	10·4	12·7	8·36	9·67	—1·31	—14
22. Do., East	10·1	14·2	7·63	13·58	—5·95	—44
23. Berar	12·9	12·2	8·84	9·38	—0·54	— 6
24. Central Provinces, West	12·1	15·5	8·89	14·71	—5·82	—40
25. Do., East	13·3	16·7	10·69	16·66	—5·97	—36
26. Konkan	22·5	26·6	46·26	40·60	+5·66	+14
27. Bombay Deccan	12·0	11·7	9·19	8·09	+1·10	+14
28. Hyderabad, North	11·3	12·3	6·95	8·39	—1·44	—17
29. Do. South	9·0	10·2	5·09	5·73	—0·64	—11
30. Mysore	9·1	9·1	7·85	6·44	+1·41	+22
31. Malabar	24·3	27·5	39·40	39·19	+0·21	+ 1
32. Madras, South-east	3·7	3·7	2·37	2·07	+0·30	+14
33. Madras Deccan	8·0	5·9	4·77	2·94	+1·83	+62
34. Madras Coast, North	8·6	9·7	5·15	6·38	—1·23	—19

Division.	Rainfall, July 1907.			
	Actual.	Normal.	Departure from normal.	Percentage departure.
	"	"	"	
lurma	13·92	17·13	—3·21	—19
astern Bengal and Assam	21·24	17·88	+3·36	+19
engal	9·07	12·86	—3·79	—29
nited Provinces	7·39	12·11	—4·72	—39
unjab	2·77	5·85	—3·08	—53
orth-West Frontier Province	1·59	3·16	—1·57	—50
ind	0·16	2·40	—2·24	—93
ajputana	3·87	6·95	—3·08	—44
Bombay	16·21	15·15	+1·06	+7
Central India	8·09	11·00	—2·91	—26
Central Provinces	9·25	12·95	—3·70	—29
Hyderabad	5·94	6·94	—1·00	—14
Mysore	7·85	6·44	+1·41	+22
Madras	6·88	6·85	+0·03	0
Mean of India when the size of the above areas is taken into account.	9·16	11·07	—1·91	—17

Snowfall.

I.—Afghanistan.

15. No snow fell during the month.

II.—North-West Frontier Province.

There was no snowfall. Temperature was excessive during the second half of the month.

III.—Kashmir.

Feeble snowstorms occurred on the higher ranges and the accumulations there were unusually great. Temperature was lower than usual.

IV.—Punjab.

1. *Chamba.*—Two slight falls occurred on the Sach pass.

2. *Kangra.*—Some falls occurred at elevations above 13,000 feet.

3. *Kilba.*—Snowstorms occurred on the surrounding hills on the 23rd and 24th. The total fall measured 4 inches in depth at an elevation of 12,000 feet.

Name of Pass.	Depth of accumulation at the end of the month.	
	Reported.	Normal.
Rupin Pass	2 feet.	4 feet.
Brua Pass	2 "	4 "
Harang Pass	Nil.	Nil.
Shatul Pass	1½ feet.	4½ feet.
Buldar Pass	2 "	4 "
Runang Pass	1 foot.	Nil.

All the passes remained open.

V.—United Provinces.

1. *Garhwal.*—A considerable fall of snow occurred on the higher ranges towards the close of the month. The snowline was at a much lower level than usual.

2. *Almora.*—During the first sixteen days there were frequent falls of snow in Malla Darma, and occasional falls in Malla Johar and Malla Danpur. The total fall was estimated at 1½ feet on the Ralam Dhura, 3 feet on the Unta Dhura and 9½ feet on the Nuwe pass.

No data are available for the remainder of the month, but the character of the weather in the adjacent region of Garhwal would indicate the occurrence of much snowfall during the period.

16.—Summary.

(*a*) In the Afghan mountains no snow fell throughout July. Weather was much warmer than usual during the second-half of the month in the hill districts of the North-West Frontier Province.

(*b*) Occasional falls occurred in Kashmir, but the total fall was small in amount. The winter accumulations on the higher ranges remained very deep and temperature was below normal.

(*c*) A few falls occurred in the Simla and Chamba hills; the total amount was however small. All the passes near Kilba were open. In Kangra there were some falls down to 13,000 feet.

(*d*) The information available for Almora is imperfect.

(*e*) In Garhwal there was a considerable fall of snow on the higher ranges in the last week. The snowline was at a lower level than usual

Crop report.

17. *Burma.*—Agricultural operations in Lower Burma were progressing satisfactorily and prospects were good; but in upper Burma crops were badly in want of rain.

Eastern Bengal and Assam.—The plucking and manufacture of tea, ploughing for and transplantation of winter rice and the harvesting of early rice and jute were in progress. The prospects of the standing crops were generally good.

Bengal.—Paddy was being transplanted. Sugar-cane was doing well and prospects on the whole were satisfactory though more rain was wanted in parts of the province.

United Provinces.—Want of rain delayed sowings but rain fell towards the end of the month and improved prospects generally. Fodder was dear and scarce in parts.

Punjab.—Ploughing for and sowing of autumn crops were in progress; and the condition of the standing crops was good to average.

North-West Frontier Province.—The standing crops generally were in good condition but were poor in Dehra Ismail Khan. Autumn sowings were nearly completed: more rain was wanted everywhere.

Jummoo and Kashmir.—Land was being prepared for autumn cultivation and the standing crops were in good condition.

Rajputana.—Sowings were in progress. Cattle were generally in good condition except in parts of Mewar and pasturage was sufficient.

Central India.—Agricultural stock and pasturage were fair to good except in parts. Autumn crops were being sown.

Central Provinces.—Sowings were retarded for want of rain but towards the end of the month conditions improved and germination was reported good everywhere.

Bombay.—Autumn sowings and transplanting were in progress. Agricultural stock were in good condition.

Hyderabad.—Autumn sowings were in progress. The standing crops were good and were being weeded.

Mysore.—The prospects of the season were good and cattle were healthy but more rain was needed in parts of the state.

Coorg.—Rice was being transplanted. Water and fodder were sufficient.

Madras.—The standing crops were generally fair but in some parts required more rain. Harvesting was proceeding with outturn poor to normal.

J. PATTERSON.

Table A.—Abstract of observations taken at 10 hrs. and 16 hrs. at 38 stations in India, etc., in July, 1907.

Table

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

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure.						Temperature of air.										Temperature, wet-bulb.			
			Mean of 10 hrs.	Mean of 16 hrs.	Mean daily range.	Mean of daily mean pressures.	Departure from normal.	Mean reduced to S.L. and gravity 45° Lat.	Mean maximum.	Mean minimum.	Mean daily range.	Highest maximum.	Lowest minimum.	Absolute range.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of three previous columns.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	I.—Burma.																					
2	Rangoon	36	29·768	29·668	·080	29·731	−·001	29·705	86·0	76·9	9·1	89·2	74·0	15·2	81·9	82·2	79·7	+0·9	75·2	78·2	77·7	73·7
	III—Bengal.																					
6	Calcutta	21	·588	·496	·092	·548	+·008	·514	89·5	79·4	10·1	92·1	74·6	17·5	85·6	86·8	84·2	+1·2	77·1	81·0	81·4	79·9
	IV—United Provinces of Agra and Oudh.																					
10	Allahabad	309	·211	·111	·100	·165	−·040	·118	100·8	83·2	17·6	112·0	76·2	35·8	93·0	96·9	91·0	+6·5	76·2	79·2	78·8	78·1
11	Dehra Dun	2,233	27·358	27·273	·085	27·313	−·047	·446	91·7	74·5	17·2	102·4	69·0	33·4	84·2	88·2	82·0	+3·3	68·8	73·8	74·2	72·3
	V.—Punjab.																					
12	Lahore	702	28·810	28·718	·092	28·760	−·008	·402	103·9	81·6	22·3	114·8	75·2	39·6	94·9	101·7	91·8	+2·7	73·7	77·9	78·6	76·7
	VIII.—Rajputana.																					
19	Jaipur	1,431	·165	·067	·098	·115	0	·459	100·0	80·9	19·1	110·8	75·7	35·1	91·8	95·9	89·3	+4.6	73·2	76·7	76·2	75·3
	Udaipur	1,925?	27·722	27·64	·082	27·680		·510	94·5	77·5	17·0	104·0	72·3	31·7	87·3	88·9	84·9		72·5	76·5	76·7	75·2
	IX.—Bombay.																					
26	Bombay	37	29·691	29·620	·071	29·655	−·017	·632	84·8	76·0	8·8	89·1	73·5	15·6	82·1	82·7	78·9	+0·4	76·1	78·5	78·6	77·7
	XI.—Central Provinces.																					
23	Buldana	2,132	27·587	27·487	·100	27·537	−·004	·584	85·4	71·8	13·6	92·0	68·7	23·3	78·7	82·2	77·2	+1·3	69·0	72·7	73·3	71·7
24	Nagpur	1,017	28·625	28·520	·105	28·575	+·001	·537	90·7	75·4	15·3	98·6	69·6	29·0	82·7	87·2	82·0	+1·6	73·0	76·5	77·5	75·7
	XII.—Hyderabad.																					
29	Hyderabad	1,690	·036	27·933	·103	27·990	−·006	·604	88·0	73·6	14·4	93·6	69·7	23·9	80·4	85·4	79·3	+1·4	70·0	72·6	74·4	72·3
	XIII.—Mysore.																					
30	Bangalore	3,021	26·842	26·745	·097	26·802	−·026	·697	82·2	66·1	16·1	88·6	63·8	24·8	75·0	79·4	72·3	+0·3	65·0	69·0	69·7	67·9
	Mysore	2,51	27·342	27·260	·082	27·309	−·025	·733	82·9	67·5	15·4	69·8	85·8	24·0	77·5	79·2	73·3	+0·1	65·7	69·3	69·8	68·3
	XIV—Madras.																					
32	Periyakulam	944	28·363	28·753	·110	28·808		·677	92·7	71·4	21·3	97·3	66·3	31·0	84·8	87·1	82·0		68·3	72·5	72·9	71·3
	Pudukkottai‡	318	29·483	29·368	·115	29·426		·670	96·7	77·2	19·5	100·0	73·9	26·1	87·8	92·2	86·9		71·7	74·8	75·8	74·1
	Madras	22	·741	·629	·112	·696	−·022	·650	96·0	78·7	17·3	100·8	75·0	25·8	89·0	91·2	85·8	+0·1	74·7	78·2	79·2	77·4
	Stations in the Bay.																					
1	Port Blair	61	·769	·701	·068	·739	−·002	·731	84·5	76·5	8·0	87·7	71·6	16·1	82·5	81·6	79·0	−0·9	73·8	76·0	77·3	76·4
	Kashmir.																					
1	Srinagar	5,204	24·710	24·634	·076	24·668	+·038	24·639	82·8	59·6	23·2	91·8	52·4	39·4	72·6	81·1	69·4	−3·6	56·4	67·0	74·4	65·9
	Leh	11,503	19·643	19·541	·102	19·596	+·003	19·565	72·1	45·9	26·2	80·6	38·7	41·9	62·	69·6	57·2	−5·4	39·9	48·2	51·0	46·4
	Baluchistan.																					
	Quetta§	5,502	24·381	24·289	·092	24·333	−·058	24·294	94·9	65·8	29·1	96·7	61·7	35·0	86·2	93·2	80·0	+1·7	58·9	63·8	63·2	62·0

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

‡ Observations of 25 days.

§ Observations of 14 days.

A.

at 38 stations in India, etc., in July, 1907.

Vapour tension in inches of mercury.					Humidity.					Cloud.				Wind direction.									Wind steadiness.		Wind velocity.		Rainfall.		Station.	Number of subdivision.
														Total number of 10 hrs. and 16 hrs. winds from															
From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean 10 hrs.	Mean 16 hrs.	Mean of two previous columns.	Departure from normal.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Mean wind direction.	Normal mean wind direction of month.	Average percentage.	Normal percentage.	Mean velocity in miles per diem.	Normal.	Total rainfall for the month.	Heaviest rainfall during the month.		
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
																									%	%					I.—Burma.	
·858	·918	·894	·904	+·002	92	84	81	89	− 4	8·8	9·5	9·4	−0·7	1				1	24	33	3		S 28° W	S 36° W	87	75	60*	122*	12·16	2·15	Rangoon	2
																															III.—Bengal.	
·918	·998	1·001	·972	+·001	91	81	79	85	− 2	8·7	8·5	8·6	0	1			5	14	20	22			S 1° W	S 1° W	73	63	141	120	8·16	1·70	Calcutta	6
																															IV.—United Provinces of Agra and Oudh.	
·823	·815	·745	·808	−·137	73	55	47	61	−19	6·0	7·7	6·9	−1·2	7	1	6	10	6	2	3	18	9	N 68° W	N 75° E	14	6	143*	175	7·79	3·92	Allahabad	19
·538	·728	·678	·708	−·113	75	62	55	67	−19	5·1	5·9	5·5	−2·6	3	5	10	7	11	18	2	6		S 43° E	S 12° W	34	14	38	26	10·82	2·57	Dehra Dun	11
																															V.—Punjab.	
·731	·732	·689	·728	−·135	68	46	36	51	−14	2·6	1·1	1·9	−2·4	7	2	4	6	10	1	3	23	7	S 38° W	S 78° E	21	30	92*	82	1·51	1·28	Lahore	12
																															VIII.—Rajputana.	
·724	·733	·657	·714	−·120	70	52	44	57	−19	4·0	7·0	5·5	−1·9		5	5	6	1	1	5	15	24	N 51° W	N 78° W	52	30	158	130	0·35	0·26	Jaipur	19
·734	·735	·725	·769		79	61	58	66		9·7	6·4	5·6		2	7	2	1	1	4	17	13	9	S 87° W		55		59*		7·91	1·96	Udaipur.	
																															IX—Bombay.	
·874	·935	·927	·927	+·006	91	85	83	87	0	8·4	8·7	8·6	−0·1		1		2	1	3	18	34	3	S 74° W	S 75° W	77	83	286	466	59·05	10·02	Bombay	26
																															XI.—Central Provinces.	
·678	·739	·718	·722	+·009	87	76	67	77	− 1	8·9	9·4	9·1	+0·9	1	1	1		2	2	13	26	16	N 89° W	N 78° W	71	75	212*	223	7·6	1·01	Buldana	23
·787	·845	·830	·835	+·008	89	76	66	79	− 3	7·0	7·5	7·3	−1·6	1	3	2	1	1	10	23	14	7	S 61° W	S 89° W	60	69	131*	209	13·63	2·60	Nagpur.	24
																															XII.—Hyderabad.	
·691	·704	·711	·711	−·012	83	68	59	72	− 2	7·5	7·9	7·7	−0·3	16							42	4	N 86° W	N 85° W	72	86	131*	238	3·21	1·28	Hyderabad	29
																															XIII.—Mysore.	
·607	·644	·616	·622	+·015	94	74	62	78	+ 1	7·9	8·1	8·0		2	1				3	23	21	2	S 71° W	S 72° W	84	88	242*	230	8·10	3·67	Bangalore	30
·613	·618	·617	·616	−·001	91	66	63	74	− 2	8·9	9·2	9·1	−0·1				2	1	1	21	33	4	S 74° W	S 78° W	81	91	299*	346	1·74	0·45	Mysore.	
																															XIV.—Madras.	
·651	·636	·620	·634		84	54	49	62		6·2	8·1	7·2		18	6	4	2	9	5	15	2	1	S 30° W		21		81*		2·72	0·91	Periyakulam	22
·706	·691	·674	·724		76	53	45	58		7·4	8·9	8·2		3	2			2	3	16	14	10	S 78° W		64		215		1·76	1·10	Pudukkottai.	
·810	·822	·837	·838	+·026	83	60	58	68	0	6·3	6·0	6·2	−1·1		3		3	9	2	16	26	3	S 64° W	S 51° W	54	66	177	190	2·85	1·20	Madras.	
																															Stations in the Bay.	
·799	·900	·881	·875	−·042	87	81	82	84	− 2	8·5	9·2	8·9	+0·3	1				3	6	24	24	4	S 62° W	S 48° W	76	86	239*	278	17·48	2·96	Port Blair	1
																															Kashmir.	
·424	·606	·785	·551	−·088	82	75	73	77†	− 5	3·9	4·9	4·1	+0·1	23	12	3	2	4	3	2	2	6	N 11° E	N 48° W	24	15	82*	91	2·09	0·60	Srinagar	14
·198	·214	·220	·303	+·053	63	37	30	43	− 3	4·3	4·9	4·6	−0·7			1			6	14	40	1	S 74° W	S 75° W	84	39	58	50	0·09	0·09	Leh.	
																															Baluchistan.	
·433	·358	·267	·357	−·071	67	29	17	38	− 7	0·5	1·9	1·2	−0·5	18					1	1	1	7	N 64° W	S 84° W	26	29	12*	79	0	0	Quetta	16

* Corrected. † Mean of three previous columns.

Table

Abstract of observations taken at 10 hrs. and 16 hrs., at 38 station

Number of sub-division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure.						Temperature of air.										Temperature, wet-bulb.			
			Mean of 10 hrs.	Mean of 16 hrs.	Mean daily range.	Mean of daily mean pressures.	Departure from normal.	Mean reduced to sea-level and gravity 45° Lat.	Mean maximum.	Mean minimum.	Mean daily range.	Highest maximum.	Lowest minimum.	Absolute range.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of three previous columns.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	Hill Stations excluding Kashmir and Baluchistan.																					
	Simla	7,224	22·993	22·947	·046	22·998	+·003	22·930	72·0	60·5	11·5	79·5	53·1	26·4	66·9	69·4	65·9	+1·6	55·1	59·0	60·8	58·3
	Sarain		23·027	·977	·050	·998			73·2	57·1	16·1	80·5	51·1	29·4	68·6	69·6	64·8			59·0	59·9	
	Kalabagh		20·086	20·058	·028	20·072			56·8	46·9	9·9	60·4	43·7	16·7	52·8	54·1	51·9			48·1	49·2	
	Chakrata	7,022	23·162	23·122	·040	23·136	+·012	23·096	73·9	60·5	13·4	82·5	54·9	27·6	70·0	70·2	66·8	+2·1	55·8	61·6	62·2	59·9
	Muktesar	7,556	22·750	22·701	·049	22·724		22·682	72·4	59·4	13·0	80·5	55·4	25·1	66·0	68·2	65·5		55·8	59·5	62·2	59·2
	Katmandu	4,388	25·483	25·382	·101	25·431	+·041‖	25·385	81·0	68·2	12·8	85·2	68·1	19·1	75·3	77·0	74·2	−0·9	66·1	70·4	71·6	69·4
	Darjeeling	7,376	22·909	22·877	·032	22·891	−·005	22·846	66·7	57·5	9·2	70·3	55·1	15·2	63·7	64·9	61·7	+0·2	56·6	62·5	63·7	60·9
	Pachmarhi	3,528	26·247†	26·169	·078	26·208	+·008	26·156†	82·0	70·2	11·8	90·1	65·2	24·9	76·4†	79·7	75·8	+4·3	66·4	70·5†	71·7	69·5
	Mount Abu	3,945	25·857	25·788	·069	25·822	+·018	25·773	79·6	67·6	12·0	85·2	63·4	21·8	72·8	77·9	72·2	+3·4	65·4	68·7	69·8	68·0
	Chikalda	3,642	26·146	26·068	·078	26·107	+·001	26·051	79·1	67·6	11·5	87·7	63·9	23·8	73·0	76·6	72·0	+3·3	65·6	69·2	71·1	68·6
	Ootacamund	7,399	22·994	22·940	·054	22·966		22·902	63·0	53·2	9·8	68·6	49·5	19·1	59·7	58·6	57·7		51·9	56·4	56·3	54·9
	Kodaikanal	7,688	·771	·712	·059	·742		·677	62·7	52·7	10·0	67·2	49·7	17·5	59·6	58·5	57·7		50·4	56·1	55·7	54·1
	Dodabetta	8,539?	21·979	21·920	·059	21·949		21·885	56·0	48·9	7·1	62·0	45·2	16·8	54·0	53·1	52·1			52·1	51·6	
	Extra India.																					
	Minicoy	7	29·911	29·859	·058	29·889		29·822	86·1			87·9			83·4	82·8				78·8	78·8	
	Zanzibar	72	30·114	30·009	·105	30·069	+·002	30·068	80·6	72·8	7·8	86·7	71·3	15·4	76·1	78·9	76·6	+0·2	67·1	70·7	69·5	69·1
	Diego Garcia ‡		29·923	29·856	·067	29·890			82·9	75·5	7·4	84·9	73·6	11·3	79·4	80·1	79·2			75·2	75·5	
	Seychelles	15	·982	·912	·070	·948	−·045‖	29·887	80·5	76·2	4·3	82·4	73·3	9·1‖	78·9	79·4	77·1	+0·7	69·8	73·4	73·5	72·2
	Mauritius	181				·990	−·025	30·122				76·9	55·0	21·9			67·0	−0·5				61·9

N. B.—Elevations in italics indicate barometrical determinations. † Mean of 28 days. ‡Uncorrected readings; 9 hrs. and 15 hrs. observations.

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

—concluded.

India, etc., for July, 1907—concluded.

Vapour tension in inches of mercury.					Humidity.					Cloud.				Wind direction.											Wind steadiness.		Wind velocity.		Rainfall.		Station.	Number of subdivisions.
														Total number of 10 hrs. and 16 hrs. winds from																	
From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean 10 hrs.	Mean 16 hrs.	Mean of two previous columns.	Departure from normal.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Mean wind direction.	Normal mean wind direction of month.	Average percentage.	Normal percentage.	Mean velocity in miles, per diem.	Normal.	Total rainfall for the month.	Heaviest rainfall during the month.		
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
																									%	%					Hill Stations excluding Kashmir and Baluchistan.	
·382	·421	·448	·421	—·109	74	66	65	68	—20	6·2	6·5	6·4	—2·4	5	30	1			8	5	6	7	N 30° W	N 15° E	45	24	107*	88	8·33	2·04	Simla.	
	·404	·419				60	61			6·1	6·6	6·4		23	3	1	2		20	3	5		S 20° W		37		65*		13·28	3·19	Sarain.	
	·300	·312				75	74			6·7	7·3	7·3		9	4		2	16	22	1	3	5	S 13° E		43		219*		18·14	4·93	Kalabagh.	
·399	·463	·484	·453	—·073	77	65	68	70	—19	5·7	6·2	6·0	—2·3	16	3			12	31				S 63° E	S 66° W	61	42	204*	149	12·66	2·60	Chakrata.	
·409	·447	·500	·456		81	71	74	75		6·1	7·2	6·7		13		2	4	6	1		36		S 82° W		43		213*		14·77	6·28	Muktesar.	
·617	·689	·711	·676	—·017	89	79	77	82	+ 1	6·8	6·9	6·9	+0·1				12				50		W	S 63° W	61	11	13	21	18·39	3·23	Katmandu.	
·453	·553	·580	·533	+·009	95	93	94	94	— 1	8·5	8·5	8·5	—0.5	17		2	1			28	8	·6	S 65° W	S 75° E	53	32	104* †	86	23·40	2·82	Darjeeling.	
·603	·682†	·686	·667	—·019	82	76†	69	76	—12	7·6†	7·	7·4	—1·7	1	2	1				19	16	20	N 85° W	N 87° W	73	75	229*	259	7·83	1·87	Pachmarhi.	
·604	·658	·638	·643	—·010	89	82	68	80	— 8	7·1	6·7	6·9	—1·6	1			1		6	30	15	9	S 63° W	S 51° W	75	68	236*	276	8·53	1·91	Mount Abu.	
·614	·672	·699	·672	+·006	91	83	78	84	— 7	7·4	7·3	7·4	—1·5	25	3	5						29	N 32° W	N 54° W	52	67	176*	240	10·36	1·83	Chikalda.	
·376	·424	·433	·408		92	82	87	87		8·6	9·6	9·1		1	1	2	4	4	2	10	33	5	S 81° W		58		167*		7·07	1·16	Ootacamund.	
·344	·421	·418	·394		86	82	85	84		7·6	8·6	8·1		1	1		6	6	4		22	22	N 73° W		47		380		3·90	0·78	Kodaikanal.	
	·373	·372				89	91			9·1	10·0	9·6		2	6	1	3	4	2	16	25	3	S 77° W		53		722*		4·43	1·19	Dodabetta.	
																															Extra India.	
	·924	·932				81	83			7·5	7·8	7·7			1					7	37	17	N 81° W		87		328*		7·85	1·44	Minicoy.	
·593	·682	·691	·647	—·070	74	75	61	69	— 8	4·4	5·0	4·7	—0·5					18	23	11			S 5° E	S 6° E	87	83	252*	197	0·38	0·17	Zanzibar.	
	·817	·826				81	80			6·4	4·9	5·7		2	2	3	6	30	9	6	1	3	S 38° E		60		7		5·57	2·10	Diego Garcia.	
·651	·754	·754	·735	—·016	72	76	75	75	— 3	6·4	6·9	6·7	+1·1			2		32	23	5			S 3° E	S 33° E	84	86	321	289	3·61	1·08	Seychelles.	
			·682	—·025				73	— 3			5·9	+0·7										S 49° E	S 64° E			261	287	0·37	0·09	Mauritius.	

* Corrected.

‡ Departure from old normal.

S. G. P. I.—No. 36 D. G. .—16-6-08—385.

Table B.—Abstract of observations taken at 8 hrs., at 237 stations in India, etc., in July, 1907.

(1) Provincial means.

(2) Data of stations.

(1) Provincial means based on the material in Table B (2) except that the statement of rainfall depends on the complete data of about 2,500 stations.

	Pressure departure from normal.	Temperature of air.								Wind.		Hygrometry.				Cloud.		Rainfall.		
		Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Absolute range during month	Departure of velocity from normal.	Departure of steadiness from normal.	Mean humidity.	Departure from normal.	Mean vapour tension.	Departure from normal.	Mean cloud amount.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.
Burma	+·001	87·3	+0·2	76·1	+0·7	81·7	+0·5	11·2	18·5	—0·7	—11	89	+ 1	·887	+·012	7·1	—1·2	13·92	17·13	—3·21
Eastern Bengal and Assam	+·006	87·2	—1·0	77·5	—0·5	82·4	—0·7	9·7	18·4	—0·9	+ 7	91	+ 1	·950	—·008	7·8	—0·5	21·24	17·88	+3·36
Bengal	0	90·1	+0·9	78·9	+0·5	84·5	+0·7	11·2	20·8	0	+13	86	0	·956	+·018	7·1	—0·4	9·07	12·86	—3·79
United Provinces of Agra and Oudh	—·026	99·0	+7·5	81·4	+2·6	90·2	+5·1	17·5	34·5	+0·2	+ 9	70	—14	·867	—·066	4·9	—2·1	7·39	12·11	—4·72
Punjab	+·006	103·1	+4·3	81·5	+0·9	92·4	+2·6	21·6	40·9	+0·8	— 9	56	—16	·724	—·147	2·4	—1·8	2·77	5·85	—3·08
North-West Frontier Province	+·006	105·3	+2·2	79·5	—1·5	92·5	+0·4	25·8	44·5	—1·1	+ 1	56	—10	·727	—·128	2·4	—0·4	1·59	3·16	—1·57
Sind	+·026	102·4	+3·3	83·8	+1·9	93·2	+2·7	18·6	27·9	—3·8	+ 3	69	— 2	·927	+·036	4·2	—1·1	0·16	2·40	—2·24
Rajputana	+·020	101·4	+6·9	82·3	+3·3	91·9	+5·2	19·2	34·6	—0·1	+14	63	—12	·790	—·026	3·6	—3·3	3·87	6·95	—3·08
Bombay	—·002	88·7	+2·2	76·1	+0·6	82·4	+1·5	12·6	23·3	—3·2	— 7	82	— 1	·848	—·002	7·2	—0·7	16·21	15·15	+1·06
Central India	—·007	96·3	+9·0	79·1	+3·7	87·7	+6·3	17·2	33·2	—0·7	+ 4	73	—11	·804	—·027	8·3	+0·9	8·09	11·00	—2·91
Central Provinces	—·002	90·4	+3·9	75·3	+1·0	82·9	+2·5	15·1	28·4	—0·4	— 5	80	— 5	·795	—·014	7·3	—0·6	9·25	12·95	—3·70
Hyderabad	—·018	87·9	—0·7	73·0	+0·6	80·5	—0·1	14·8	26·5	—4·9	— 5	78	0	·723	—·003	6·9	—0·4	5·94	6·94	—1·00
Mysore	—·023	81·6	+0·8	67·0	+0·5	74·3	+0·6	14·7	24·1	—1·5	— 8	85	+ 1	·649	+·015	8·5	—0·1	7·85	6·44	+1·41
Madras	—·020	91·3	—0·3	76·6	+0·2	83·9	—0·1	14·7	23·8	+0·3	— 5	76	+ 1	·805	+·014	6·8	—0·5	6·88	6·85	+0·03

Table

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

Number of subdivision.	Station.	Elevation of bar-ometer above sea-level, in feet.	Pressure, 8 hrs. in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean 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 ring month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	I.—Burma.																						
	Mergui	119	29·739	−·005	29·791	29·831	10th	29·661	24th	·170	78·4	85·1	+0·6	74·4	+1·9	79·7	+1·3	10·7	89·4	1st, 4th & 17th.	71·4	31st	18·0
	Tavoy	19	29·850	+·004	29·801	29·947	10th	29·753	24th	·194	73·7	83·9	+0·6	75·0	+0·9	79·5	+0·8	8·9	89·0	14th	72·3	9th	16·7
	Moulmein	94	29·726	+·018	29·769	29·840	10th	29·626	24th	·214	76·9	83·4	+0·4	74·6	+0·4	79·0	+0·4	8·8	87·5	19th	72·3	7th & 27th.	15·2
	Rangoon	36	29·761	0	29·734	29·867	10th	29·651	24th*	·216	79·3	86·1	+0·8	77·0	+1·2	81·6	+1·0	9·1	89·1	4 days.	73·9	8th & 9th.	15·2
	Bassein	27?	29·749	+·002	29·715	29·871	10th	29·638	24th	·233	79·4	86·7	+2·0	76·1	+0·3	81·4	+1·2	10·6	89·7	4th, 5th & 16th.	72·4	27th	17·3
	Diamond Island	41	29·739	0	29·712	29·864	10th	29·647	25th	·217	81·0	85·2	+0·9	76·6	+1·0	80·9	+1·0	8·6	88·4	24th	72·7	1st	15·7
	Toungoo	183	29·596	+·007	29·715	29·708	10th	29·500	24th	·208	78·8	87·9	+1·2	75·8	+0·7	81·9	+1·0	12·1	91·3	17th & 31st.	73·6	3rd & 6th.	17·7
	Akyab	20	29·698	+·009	29·661	29·850	10th	29·565	24th	·285	79·6	83·3	−1·4	77·7	+0·2	80·5	−0·6	5·6	88·4	20th	76·3	4 days	12·1
2	Thayetmyo	121	29·636	+·017	29·699	29·747	9th	29·525	30th	·222	80·9	90·2	+1·3	76·8	+0·5	83·5	+0·9	13·4	94·0	19th	74·9	29th	19·1
	Minbu	*165*	29·551	−·003	29·660	29·668	10th	29·465	24th	·203	80·2	91·1	−0·2	77·4	+0·2	84·3		13·7	96·2	12th	72·1	6th	24·1
	Yamethin	657	29·081	−·005	29·690	29·181	10th	28·992	30th	·189	78·7	88·0	−2·0	75·3	+0·7	81·7	−0·7	12·7	93·3	31st	73·2	5th, 6th & 15th.	20·1
	Mandalay	250	29·466	+·005	29·664	29·557	10th	29·380	31st	·177	83·6	95·1	+0·6	80·0	+1·6	87·6	+1·1	15·1	99·5	31st	76·8	28th	22·7
	Monywa	*230*	29·443		29·662	29·545	10th	29·377	30th	·168	83·0	96·2		79·9		88·1		16·3	102·3	13th	78·1	3rd & 8th.	24·2
	Lashio	*2,751*	26·944	−·035	26·890	27·041	10th	26·877	26th & 30th	·164	73·1	82·5	−1·1	70·0	+0·7	76·3	−0·2	12·5	88·5	3rd	68·0	7th, 13th & 31st.	20·5
	Bhamo	*331*	29·312	+·004	29·648	29·402	10th	29·242	31st	·160	78·1	86·9	−0·9	75·1	0	81·0	−0·5	11·8	92·9	9th	73·1	7th	19·8
	Myitkyina	458	29·199		29·615	29·300	10th &11th.	29·128	24th	·172	78·8	85·9		76·1		81·0		9·8	90·7	4 days.	73·6	25th	17·1
	II.—Eastern Bengal and Assam.																						
4	Dibrugarh	353	29·283		29·599	29·403	10th	29·210	31st	·193	74·5	85·1		74·7		79·9		10·4	89·9	27th	72·5	19th & 20th.	17·4
	Sibsagar	333	29·325	−·007	29·612	29·447	10th	29·256	30th	·191	80·5	87·8	−2·2	73·0	+0·1	82·9	−1·1	9·8	90·6	3rd & 27th.	76·2	20th	14·4
	Tezpur	252	29·262		29·592	29·488	10th	29·307	31st	·181	79·4	88·2		77·5		82·9		10·7	92·6	1st	74·9	26th	17·7
	Gauhati	195	29·449		29·600	29·576	10th	29·384	30th	·212	79·7	89·1		77·6		83·4*		11·5	93·0	1st	75·0	11th	18·0
	Dhubri	115	29·502	−·007	29·572	29·631	10th	29·422	30th	·209	79·4	85·9	0	77·1	−1·2	81·5	−0·6	8·8	90·2	1st, 5th & 30th.	73·7	13th	16·5
	Silchar	104	29·576	+·008	29·632	29·697	10th	29·489	30th	·208	80·2	88·4	−1·8	76·7	−0·5	82·6	−1·2	11·7	98·1	30th	71·3	11th & 12th.	23·8
5	Chittagong	87	29·593	+·015	29·628	29·765	10th	29·485	24th	·280	80·3	86·0	+0·3	76·4	−0·2	81·3	+0·1	9·6	89·1	26th	73·9	7th	15·2
	Noakhali	43	29·613		29·603	29·777	10th	29·516	30th	·261	81·0	85·2		77·7		81·5		7·5	87·8	15th	72·9	10th	14·9
	Barisal*	12	29·628	P	29·586	29·787	10th	29·537	30th	·250	83·0	87·6	+0·3	78·5	−0·1	83·1	+0·1	9·1	90·8	16th	74·1	7th & 8th.	16·7
	Comilla	36	29·619		29·603	29·774	10th	29·531	24th & 30th.	·243	80·6	87·0		77·1		82·1		9·9	90·4	26th	73·3	10th	17·1
	Narayanganj	26	29·613	+·015	29·587	29·766	10th	29·516	30th	·250	81·5	87·7	−0·6	78·0	−1·2	82·9	−0·9	9·7	94·5	31st	70·3	24th	24·2
	Faridpur	46	29·583		29·579	29·748	10th	29·501	30th	·247	81·6	87·7		77·8		82·7		9·9	91·3	15th	70·4	10th	20·9
	Sirajganj	49	29·576		29·575	29·722	10th	29·494	24th	·228	80·3	86·7		77·5		82·1		9·2	89·8	14th, 15th & 19th.	70·7	9th	19·1
	Mymensingh	63	29·577	+·012	29·591	29·720	10th	29·502	24th	·218	81·0	86·7	−0·4	77·8	−0·5	82·3	−0·5	8·9	91·1	15th	74·1	7th, 11th & 12th.	17·0
	Bogra	75	29·542	+·008	29·568	29·676	10th	29·468	31st	·208	81·3	87·9	−1·2	77·8	−0·7	82·9	−1·0	10·1	91·7	14th, 18th & 20th.	66·2	7th	25·5
	Rampur Boalia	70	29·531		29·550	29·670	10th	29·461	1st	·209	82·1	88·8		78·5		83·7		10·3	92·6	15th	72·6	21st	20·0
	Malda	72	29·502		29·526	29·626	10th	29·427	1st	·199	81·3	87·4		77·8		82·6		9·6	92·3	15th	73·3	9th	19·0
	Dinajpur	123	29·475	+·001	29·553	29·610	10th	29·402	1st & 31st,	·208	80·9	87·2	−1·9	78·2	−0·7	82·7	−1·3	9·0	91·3	1st	75·0	4 days.	16·3
	Rangpur	122	29·502		29·580	29·625	10th	29·425	31st	·200	81·2	87·5		78·7		83·1		8·8	91·1	31st	74·6	7th & 12th.	16·5

* Observations of 20 days.

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

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

B.

in India, etc., in July, 1907.

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 1907.	Normal rainfall for period, 1st May to 31st July.	Departure from normal of period, 1st May to 31st July 1907.	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.
19	2	2		1	5	1	1		S 8° E	S 70° W	1·3	1·8	−0·5	10	−45	93	+ 1	·893	+·018	4·4	−3·1	25	25·60	−0·60	28·91	21·50	− 2·59	71·09	81·05	− 9·96	5·90	Mergui.
30						1			S 45° W	S 61° W	1·5†	1·6	−0·1	3	−15	94	+ 2	·868	−·001	7·3	−0·9	26	28·90	−2·00	32·29	46·83	−14·54	123·24	112·76	+10·48	3·93	Tavoy.
29		1	1		1	4	1		S 34° W	S 2° E	2·5	3·8	−1·3	13	−30	95	+ 2	·881	+·009	8·7	+0·2	29	28·20	+0·80	41·63	45·96	− 4·33	126·13	101·74	+24·39	7·80	Moulmein.
1					12	16	2		S 29° W	S 45° W	5·8	5·1	+0·7	86	+12	90	− 4	·906	−·007	8·7	−0·3	23	25·70	−2·70	12·16	20·98	− 8·82	46·07	49·72	− 3·65	2·15	Rangoon.
11	1	1		2	11	3	2		S 9° W	S 18° W	P	4·5	P	43	−22	93	− 1	·942	+·024	7·6	−1·2	26	26·80	−0·80	19·40	25·46	− 6·06	65·52	59·18	+ 6·34	2·43	Bassein.
1				2	1	22	3	2	S 48° W	S 42° W	10·9	10·5	+0·4	76	− 5	86	0	·916	+·019	7·9	−0·9	18	24·00	−6·00	20·35	25·80	− 5·45	63·56	59·40	+ 4·16	3·23	Diamond Island.
5			1	19	6				S 36° E	S 31° E	3·8	5·2	−1·4	76	−10	93	+ 1	·932	+·028	9·6	+0·3	25	25·00	0	21·64	17·89	+ 3·75	54·28	38·32	+15·96	3·40	Tounggoo.
5		1	5	7	6	6	1		S 20° E	S 38° E	3·8	3·9	−0·1	49	− 6	95	+ 1	·967	+·007	8·8	+0·5	28	27·80	+0·20	40·58	52·62	−12·04	112·21	109·29	+ 2·92	6·28	Akyab.
				4	16	11			S 10° W	S 7° E	6·5†	6·8	−0·3	92	+ 2	85	0	·890	+·017	6·5	−1·6	14	15·20	−1·20	5·23	6·87	− 0·64	14·91	17·34	− 2·43	1·22	Thayetmyo.
				25	2	4			S 33° E	S 39° E	9·8	12·3	−2·5	86	− 6	86	+ 3	·889	+·016	6·4	0	8	8·80	−0·80	2·95	4·34	− 1·39	11·15	14·89	− 3·74	0·71	Minbu.
31									§	S 28° E	6·0	10·4	−4·4	§		86	+ 2	·843	+·009	1·0	−4·0	8	9·60	−1·60	4·05	9·12	− 0·07	19·40	15·14	+ 4·26	1·24	Yamethin.
			11	19	1				S 15° E	S 5° E	11·5	9·1	+2·4	92	+11	75	0	·852	+·009	2·7	−5·5	4	6·20	−2·20	1·37	3·05	− 1·68	8·40	14·39	− 5·99	0·44	Mandalay.
1			6	17	6	1			S 2° W		5·9			82		75		·858		6·8		1	3·60	−2·60	0·34	2·61	− 2·27	9·48	11·41	− 1·93	0·34	Monywa.
8		1		1	5	14	1	1	S 36° W		4·8†			56		89	− 1	·725	+·001	9·2	+0·3	14			12·51	14·71	− 2·20	26·94	31·54	− 4·60	4·06	Lashio.
29			1			1			S 23° E	N 70° W	0·7	1·9	−1·2	2	−17	94	+ 2	·910	+·014	8·8	+0·1	21	21·50	−0·50	14·52	19·01	− 4·49	29·31	39·19	− 9·88	3·12	Bhamo.
24		2	3		2				S 32° E		2·9†			13		92		·924		9·9		19			14·23			31·36			2·34	Myitkyina.
																															II.—Eastern Bengal and Assam.	
23			1			1					0·3			2		97		·920		9·5		26	20·40	+5·60	23·67	21·00	+ 2·67	47·09	54·63	− 7·54	2·88	Dibrugarh.
6	1	7				12	2	3	S 87° W	S 11° E	2·5	2·9	−0·4	25	+ 9	91	− 2	·950	−·025	7·5	−1·4	23	19·20	+3·80	16·43	17·12	− 0·69	44·90	43·33	+ 1·57	2·90	Sibsagar.
31									§		2·1			§		93		·941		8·9		19	17·20	+1·80	17·08	13·33	+ 3·75	35·41	35·32	+ 0·09	3·11	Tezpur.
19	5	2		1	2		1	1	N 6° E		1·7			14		91		·932		9·1		18	14·80	+3·20	13·54	10·83	+ 2·71	38·09	31·81	+ 6·28	2·20	Gauhati.
6		3	10	3	5	3	1		S 58° E	S 33° E	4·1	4·6	−0·5	42	+14	94	+ 3	·949	+·005	9·7	+1·3	23	15·80	+7·20	24·24	15·49	+ 8·75	51·84	54·09	− 2·25	3·80	Dhubri.
31									§	N 24° E	0·2	2·7	−2·5	§		90	0	·932	−·015	6·2	−3·0	27	22·50	+4·50	22·35	18·43	+ 3·92	64·15	57·66	+ 6·49	2·02	Silchar.
				28	3				S 41° E	S 36° E	3·6	7·3	+1·3	99	+25	89	0	·818	−·002	8·1	−0·2	19	19·45	−0·45	11·76	19·94	− 8·18	27·21	52·01	−24·80	2·96	Chittagong
1		8	10	10	2				S 36° E		7·2			72		90		·947		5·5		25	22·81	+2·19	29·86	22·10	+ 7·76	58·66	55·45	+ 3·21	7·16	Noakhali.
2	1	2	8	13	4				S 13° E	S 14° E	3·0	4·3	−1·3	69	+26	89	+ 1	1·008	+·029	6·3	−2·6	21	20·58	+0·42	13·37	15·02	− 1·65	45·06	39·23	+ 5·83	2·27	Barisal.*
1		2	10	18					S 20° E		5·1			89		90		·949		6·4		18	19·07	−1·07	20·26	17·05	+ 3·21	36·48	45·97	− 9·49	4·25	Comilla.
1		5	10	9	5	1			S 21° E	S 27° E	5·9	7·8	−1·9	69	− 2	90	0	·961	−·020	9·3	+0·6	21	17·78	+3·22	16·69	12·31	+ 4·38	32·48	34·39	− 1·91	3·25	Narayanganj
2		4	7	18					S 21° E		4·4			82		90		·975		8·1		19	17·13	+1·87	21·28	12·47	+ 8·81	45·36	33·52	+11·84	5·15	Faridpur.
19		3	7	2					S 49° E		4·2			33		92		·964		8·5		21	14·26	+6·74	20·66	11·30	+ 9·36	34·59	30·82	+ 3·77	3·15	Sirajganj.
6		8	9	5	2		1		S 45° E	S 49° E	3·3	4·1	−0·8	56	−12	91	0	·958	−·002	9·2	+1·3	19	19·65	−0·65	17·92	15·33	+ 2·59	39·43	45·63	− 6·20	2·80	Mymensingh
18		13							E	S 48° E	1·6	4·2	−2·6	42	−23	89	0	·958	−·021	8·4	+0·2	15	15·94	−0·94	17·70	12·64	+ 5·06	36·32	32·58	+ 2·74	4·01	Bogra.
23			2	3	3				S 8° W		5·7			23		87		·967		8·2		13	15·15	−2·15	9·15	11·46	− 2·31	22·98	27·70	− 4·72	1·90	Kampur Boalia.
1	1	6	14	7	1	1			S 41° E		7·2†			72		91		·973		5·8		16	15·45	+0·55	12·73	11·07	+ 1·66	28·04	24·81	+ 3·23	3·10	Malda.
1		4	11	11	3	1			S 68° E	S 36° E	4·8	4·0	+0·8	76	+19	91	+ 1	·965	−·005	8·4	0	16	16·36	−0·36	20·33	14·38	+ 5·95	41·01	36·00	+ 5·01	5·75	Dinajpur.
19		5	3	4					S 49° E		2·3			30		88		·950		5·7		15	15·42	−0·42	18·40	16·01	+ 2·39	46·25	46·33	− 0·08	4·93	Rangpur.

† Uncorrected reading.

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

Indeterminate.

Table

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

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.											
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	II.—Eastern Bengal and Assam—*contd.*																						
	Jalpaiguri	284	29·335	+·005	29·577	29·635	15th	29·268	31st	·167	78·4	86·1	−2·1	77·0	+0·2	81·6	−1·0	9·1	91·4	31st	73·6	10th	17·8
	Cooch Behar	156	29·467		29·578	29·592	10th	29·394	30th	·198	79·8	87·1		76·9		82·0		10·2	91·9	30th	73·8	10th & 20th.	18·3
	III.—Bengal.																						
6	Sangor Island	25	29·573	+·015	29·547	29·752	10th	29·451	25th	·301	84·1	88·9	+1·1	81·1	+0·5	85·0	+0·8	7·8	92·4	28th	76·1	8th	16·3
	Midnapore	149	29·438		29·533	29·661	10th	29·946	25th	·255	83·1	90·8		79·2		85·0		11·6	93·3	8th & 15th	72·7	8th	21·1
	Calcutta	21	29·580	+·011	29·547	29·757	10th	29·479	25th	·278	83·2	89·4	+1·4	79·5	+1·0	84·5	+1·2	9·9	92·1	18th & 20th.	74·7	8th	17·4
	Jessore	33	29·583	+·011	29·563	29·744	10th	29·501	30th	·243	83·0	88·8	−0·4	79·1	+0·1	84·0	−0·2	9·7	92·8	15th, 18th & 20th.	72·2	8th	19·8
	Krishnagar	47	29·545		29·540	29·710	10th	29·473	1st	·238	82·5	90·0		79·0		84·5		11·0	93·1	16th	75·0	12th	18·1
	Burdwan	99	29·491	+·092	29·538	29·654	10th	29·408	25th	·246	82·7	89·9	−0·3	79·3	−0·1	84·6	−0·2	10·6	92·9	15th & 17th.	73·8	8th & 20th.	19·1
	Bankura	313	29·252		29·514	29·618	10th	29·167	25th	·246	82·1	90·9		79·9		85·0		11·9	95·1	15th	73·2	10th	21·9
	Raniganj	334	29·251		29·536	29·605	10th	29·171	1st	·234	81·5	89·9		78·7		84·3		11·2	94·0	16th	75·4	20th	18·6
	Berhampore	67	29·524	−·095	29·540	29·667	10th	29·459	30th	·217	81·3	89·5	+0·1	78·6	−0·2	84·1	−0·1	10·9	92·8	19th	73·2	9th	19·6
	Naya Dumka	499	29·092		29·527	29·721	10th	29·014	1st	·207	81·4	89·6		77·6		83·6		12·0	94·5	15th & 16th.	73·3	20th	21·2
7	Balasore	50	29·559	+·017	29·544	29·733	10th	29·438	25th	·295	85·9	90·2	+1·7	79·7	+1·3	85·0	+1·5	10·5	93·4	7th & 8th	75·4	12th	18·0
	Ekloe Point	21	29·601	+·014	29·564	29·800	10th	29·469	26th	·331	83·0	87·6	0	79·2	+0·6	83·4	+0·3	8·4	92·1	14th	75·1	5th	17·0
	Cuttack	80	29·533	+·012	29·557	29·733	10th	29·392	25th	·341	82·5	91·6	+1·8	78·9	+0·3	85·3	+1·1	12·7	95·4	11th & 12th.	75·7	18th	19·7
	Puri	24	29·606		29·569	29·805	10th	29·463	26th	·342	83·5	87·7		80·8		84·3		6·9	91·8	17th & 18th.	77·1	4th & 13th.	14·5
	Angul	455	29·158		29·570	29·361	10th	29·028	25th	·337	81·6	90·1		78·0		84·1		12·1	95·6	7th.	74·1	13th	21·5
	Sambalpur	486	29·117	−·003	29·549	29·312	10th	29·985	25th	·327	81·4	89·3	+1·8	78·2	+0·9	83·8	+1·4	11·1	93·6	20th	73·6	30th	20·0
8	Chaibassa	*760*	28·803	−·003	29·514	28·981	10th	28·716	25th	·265	81·4	91·2	+1·6	78·41	+0·9	84·91	+1·3	12·8	95·4	16th & 17th.	72·7	13th	22·7
	Ranchi	2,128	27·476	+·004	29·532	27·645	10th	27·401	28th 26th & 29th.	·244	78·0	86·5	+2·5	74·4	+1·5‖	80·5	+2·0	12·1	90·7	13th & 16th.	70·9	20th	19·8
	Purulia	*816*	28·750		29·510*	28·917	10th	28·660	1st	·257	80·2	91·2		77·6		84·5		13·6	96·1	16th	75·1	13th	21·0
	Hazaribagh	2,007	27·585	−·009	29·529	27·742	10th	27·502	1st	·240	79·7	87·4	+2·8	75·6	+1·9	81·5	+2·4	11·8	92·7	17th	71·3	20th	21·4
	Daltonganj	*730*	28·815		29·494	28·984	10th	28·733	25th	·251	83·5	94·2		80·1		87·2		14·1	100·1	7th	76·0	20th	24·1
9	Purnea	123	29·461	−·008	29·540	29·581	10th	29·376	1st	·208	80·3	88·0	−2·0	77·3	−1·4‖	82·7	−1·7	10·7	94·7	17th	73·2	10th	21·5
	Bhagalpur	160	29·414		29·528	29·546	10th	29·326	1st	·220	82·6	89·3		75·4		83·9		10·9	95·2	17th	73·3	9th	21·9
	Monghyr	155	29·395		29·508‖	29·525	15th	29·310	18th	·215	82·6	89·8		79·1*		84·4*		10·7	95·4	17th	72·9	10th & 12th.	20·5
	Darbhanga	165	29·404	−·013	29·525	29·558	15th	29·325	1st	·233	81·1	88·2	−1·2	78·8	−1·0	83·5	−1·2	9·4	93·6	11th	75·8	8th	17·8
	Pusa	166	29·397			29·538	15th	29·295	18th	·243	81·5	88·6		78·6		83·6		10·0	95·1	12th	75·6	9th	19·5
	Muzaffarpur	178	29·392		29·524	29·541	15th	29·294	18th	·247	82·2	88·6		76·9		83·8		9·7	95·2	12th	76·0	7th & 8th.	19·2
	Motihari	224	29·349		29·529	29·476	15th	29·259	1st	·217	80·5	88·7		78·0		83·4		10·7	94·4	11th, 12th & 17th.	73·3	19th	21·1
	Chapra	181	29·373		29·507	29·495	10th	29·278	18th	·217	·3	91·7§		77·7		85·8§		14·0	93·4	28th & 29th.	74·6	20th	18·8
	Patna	183	29·371	−·019	29·506	29·498	15th	29·295	1st	·203	83·8	91·6	+1·5	80·2	+0·4‖	85·9	+1·0	11·4	97·5	15th	75·2	10th	22·3
	Arrah	190	29·374		29·515	29·506	10th	29·286	18th	·220	83·7	92·2		80·2		86·3		12·0	98·9	15th	72·6	20th	26·3
	Buxar	239	29·333		29·486	29·433	10th	29·196	18th	·237	84·1	94·2		80·1		87·2		14·1	102·0	15th	73·1	20th	28·9
	Dehri	351	29·189*		29·490*	29·343	10th	29·102	18th	·241	85·4	94·5		81·2		87·8		13·3	102·4	15th	73·5	21st	28·9
	Gaya	375	29·170	−·024	29·495	29·313	10th	29·095	19th	·218	84·6	94·0	+2·6	80·8	+1·4‖	87·1	+2·0	13·8	101·0	15th	74·2	21st	26·8
	IV.—United Provinces of Agra and Oudh.																						
10	Gorakhpur	257	29·286	−·018	29·505	29·413	10th	29·199	18th	·214	83·0	92·6	+1·5	79·2	−0·2	85·9	+0·7	13·4	101·6	12th	74·0	19th	27·6
	Benares	267	29·269	−·027	29·478	29·405	10th	29·145	18th	·260	87·1	97·5	+6·3	81·8	+2·2	89·7	+4·3	15·7	107·1	15th	74·7	22nd	32·4
	Allahabad	309	29·205	−·040	29·463	29·364	10th	29·090	18th	·274	88·2	101·2	+9·6	83·2	+3·8‖	92·2	+6·7	18·0	112·1	15th	76·0	2nd	36·1

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

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

* Mean of 30 days. ‖ Mean of 25 days. § Mean of 8 days.

B—*continued.*

in India, etc., in July, 1907—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 May to 31st July, 1907.	Normal rainfall for period, 1st May to 31st July.	Departure from normal of period, 1st May to 31st July 1907.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																II—Eastern Bengal and Assam—*concld.*
3	1	10	9	5	2	1			N 85° E	N 88° E	2·7			62	+ 5	95	+3	·922	−·027	6·9	−1·6	25	20·16	+ 4·84	46·29	33·38	+12·91	67·22	68·28	−1·06	9·03	Jalpaiguri.
13		3	10	4	1				S 82° E		1·3			49		90		·928		9·0		21	18·79	+ 2·21	57·19	125·58	+31·61	94·68	72·99	+21·69	5·77	Cooch Behar.
																																III—Bengal.
			2	1	15	10	2	1	S 18° W	S 27° W	20·25	15·3	+5·3	76	+22	87	−1	1·011	+·015	8·3	−1·0	10	16·74	− 6·74	9·19	15·95	− 6·76	29·70	31·06	− 1·36	2·13	Sagor Island.
1	2	1	1	2	23	1			S 5° E		4·1			72		84		·945		5·3		12	15·95	− 3·95	8·02	12·56	− 4·54	27·23	28·76	− 1·53	1·60	Midnapore.
1			5	7	7	10	1		S 6° E	S 3° W	6·05	5·0	+1·0	62	+12	87	−2	·998	+·031	8·5	+0·1	16	18·96	− 2·96	8·16	12·27	− 4·11	32·16	29·30	+ 2·86	1·70	Calcutta
10			3	11	7				S 36° E	S 21° E	2·2	4·1	−1·9	62	+12	90	0	1·019	+·016	9·6	+1·2	18	17·52	+ 0·48	16·69	12·02	+ 4·67	38·14	32·52	+ 5·62	5·67	Jessore.
	1		3	9	16	2			S 19° E		3·5			82		91		1·011		7·5		16	15·87	+ 0·13	10·87	10·38	+ 0·51	26·03	26·79	− 0·76	2·57	Krishnagar.
7			2	3	7	8	3	1	S 21° W	S 3° E	2·9	4·2	−1·3	49	+10	88	+2	·988	+·046	5·6	−2·6	14	16·10	− 2·10	11·33	12·48	− 0·65	26·68	28·75	− 2·07	2·75	Burdwan.
15			3	3	7	3			S 15° E		3·3			27		87		·944		6·2		13	16·46	− 3·46	9·23	12·87	− 3·61	25·40	27·08	− 1·68	1·89	Bankura.
28	1			1		1			S		0·8			1		90		·981		6·3		15	16·39	− 1·39	10·77	14·15	− 3·38	25·40	27·85	− 2·45	2·65	Raniganj.
2		2	6	6	18	2			S 30° E	S 25° E	5·2	4·5	+0·7	66	+14	90	−2	·984	−·009	9·1	+0·3	10	15·71	− 5·71	6·67	10·51	− 3·84	21·58	25·46	− 3·88	1·06	Berhampore.
18			2	9	1			1	S 49° E		2·9			33		88*		·949*		6·0		17	18·72	− 1·72	9·31	14·14	− 4·83	19·44	27·70	− 8·26	2·00	Naya Dumka
5		1	1		4	17	3	1	S 44° W	S 30° W	4·7	5·9	−1·3	66	+12	84	−4	·943	−·027	7·0	−1·2	9	14·94	−5·94	5·55	11·68	− 7·13	15·68	28·97	−13·09	1·67	Balasore.
1	1				4	15	10		S 58° W	S 56° W	10·9	11·2	−0·3	82	+14	86	−1	·969	−·006	7·9	−0·5	11	14·90	− 3·90	4·73	11·89	− 7·16	21·31	25·42	− 4·11	0·60	False Point.
6		2			3	12	3		S 56° W	S 60° W	2·95	3·3	−0·4	59	+ 7	84	+3	·913	+·052	7·1	−0·4	12	16·13	−4·13	6·13	11·46	− 5·33	17·26	26·52	− 9·26	1·05	Cuttack.
2				1	23	3	1		S 50° W		14·7			82		84		·980		6·5		4	11·74	− 7·74	1·92	9·96	− 8·04	8·70	20·82	−12·12	1·07	Puri.
6	1	2	3	4	2	2	3	3	N 56° W		5·5			10		83		·907		6·0		10			4·98			13·71			1·80	Angul.
				3	22	6			S 49° W	S 36° W	4·6	4·8	−0·2	89	+29	83	−3	·900	+·010	8·8	+0·6	15	19·59	− 4·59	9·56	22·82	−13·26	20·67	35·79	−15·12	1·98	Sambalpur.
25			1				5		W	S 66° W		2·7		13	−21	86	+1	·913	+·015	5·5	−2·2	10	16·68	− 6·68	6·53	12·94	− 5·81	19·97	25·19	− 5·22	1·76	Chaibassa.
	2	1	3	1	6	11	7		S 41° W	S 68° W	7·0	7·9	−0·9	53	+21	86	−2	·813	+·017	8·2	+0·2	17	19·10	− 2·10	11·64	15·81	− 4·17	26·61	28·25	− 1·64	1·69	Ranchi.
5		5	2		10	5	4		S 11° W		2·8			33		91		·996		7·1		12	17·42	− 5·42	7·11	12·23	− 5·12	21·94	25·22	− 3·28	1·58	Purulia.
1	1		3	2	6	7	3	3	S 52° W	S 40° W	6·6	8·7	−2·1	46	+20	80	−7	·802	+·002	8·5	−0·9	13	18·74	− 5·74	6·88	14·41	− 7·53	25·80	25·85	− 0·05	1·33	Hazaribagh.
16	1		3			5	2		S 23° W		3·7			27		81		·928		6·8		12	16·16	− 4·16	7·19	12·51	− 5·32	24·64	19·65	+ 4·99	1·25	Daltonganj.
12		8	2	3	4				E	S 81° E	3·1	3·5	−0·4	46	−5	95	+ 6	·981	+·003	8·9	+1·7	16	17·13	− 1·13	21·61	14·56	+ 7·05	36·01	29·35	+ 6·66	5·44	Purnea.
13		2	4	10					S 58° E		2·6			45		87		·983		7·9		15	15·39	− 0·39	11·10	12·22	− 1·12	24·79	23·29	+ 1·50	1·38	Bhagalpur.
	1	2	21	5	2			1	S 88° E		7·7			82		91		1·022		7·8		17			9·66			22·44			1·73	Monghyr.
2		5	21	3	1				N 87° E	S 80° E	5·1	4·8	+0·3	89	+34	90	+ 2	·958	−·011	8·0	+0·9	12	14·37	− 2·37	6·80	11·81	−5·01	15·83	23·02	− 7·19	1·28	Darbhanga.
																91		·980		8·2		13			7·68			14·89			1·77	Pusa.
7		3	12	9					S 79° E		5·1			66		89		·978		4·8		17	14·39	+ 2·61	7·74	11·90	− 4·16	13·15	21·55	−8·40	1·64	Muzaffarpur
1	2	11	11	1		1		1	N 61° E		4·6			72		91		·941		7·1		15	12·46	+ 2·52	18·02	12·49	+ 5·53	24·61	24·04	+ 0·57	4·97	Motihari.
	28		1	2					N 5° E		P			76		80		·915		4·4		14	14·23	− 0·23	11·60	11·29	+ 0·31	21·32	19·04	+ 2·28	3·77	Chapra.
	1	4	18	5	2	1	1		S 87° E	N 81° E	7·6	4·6	+3·0	76	+34	87	+ 1	1·022	+·053	7·8	−0·8	8	14·16	− 6·16	3·95	12·66	− 8·71	16·97	23·13	− 6·16	1·70	Patna.
12	2	5	2	3	1	2	1		S 68° E		1·6			17		91		·965		4·2		8	15·13	− 7·13	4·94	13·35	− 8·41	17·17	21·77	− 4·60	1·59	Arrah.
1		2	21	2	4	2	3		S 87° E		4·9			62		82		·959		6·1		5	14·39	− 9·39	2·50	11·78	− 9·28	9·13	18·04	− 8·91	1·02	Buxar.
		3	8	1		12	1	3	S 7° W		6·6			27		78		·932		8·6		9	14·72	− 5·72	6·09	11·64	− 5·55	17·69	18·99	− 1·30	2·92	Dehri.
7		2	8	1	3	8	5		S 6° W	S 2° E	3·1	4·0	−0·9	17	+ 7	85	+ 1	1·006	+·077	6·7	−2·3	12	15·68	− 3·68	12·43	13·67	− 1·24	27·25	22·08	+ 5·17	2·26	Gaya.
																																IV.—United Provinces of Agra and Oudh.
6		9	9	4	2			1	N 83° E	N 68° E	2·58	2·3	+0·2	56	+24	85	− 1	·950	−·001	7·0	+1·1	10	14·70	− 4·70	7·14	13·75	− 6·61	10·32	24·18	−13·86	1·52	Gorakhpur.
3	1	2	9	2	1	7	4	2	S 24° E	S 7° E	4·2	4·6	−0·4	17	+ 7	73	−13	·933	−·029	6·4	−1·6	9	14·60	−5·60	7·85	11·45	− 3·60	11·74	18·32	−6·58	2·40	Benares.
		5	8	2	1	4	9	2	S 45° W	S 27° W	5·3	7·3	−2·0	1	− 5	65	−19	·852	−·089	5·9	−2·3	9	13·30	− 4·30	7·79	12·15	− 4·36	8·55	18·96	−10·31	3·92	Allahabad.

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

§ Uncorrected reading.

* Mean of 16 days.

Table

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

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs. in inches.								Temperature of air.											
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	IV.—United Provinces of Agra and Oudh—*consid.*																						
10	Cawnpore	416	29·105	—·016	29·471	29·275	10th	28·981	18th	·294	88·9	102·2	+9·7	84·3	+4·7	93·3	+7·2	17·9	111·4	15th & 18th	77·2	29th	34·2
	Lucknow	368	29·159	—·024	29·481	29·314	10th	29·016	18th	·298	86·7	100·8	+8·6	81·9	+2·6	91·4	+5·6	18·9	111·0	15th	77·1	21st, 22nd & 29th	33·9
	Bahraich	401	29·130	—·026	29·488	29·269	10th	29·009	18th	·260	84·0	95·8	+4·5	79·4	+0·6	87·6	+2·6	16·4	105·1	12th	70·0	3rd & 4th	25·1
11	Jhansi	858	28·714	+·001	29·493	28·887	10th	28·615	18th	·272	87·8	101·1	+9·9	84·2	+5·4	92·7	+7·7	16·9	111·3	5th & 18th	76·6	21st	34·7
	Agra	556	28·981	—·018	29·487	29·159	10th	28·866	18th	·293	88·9	102·3	+9·0	84·1	+3·6	93·2	+6·3	18·2	112·0	6th & 18th	77·0	25th	35·0
	Mainpuri	516	29·015	—·012	29·478	29·199	10th	28·890	18th	·309	89·8	103·5	+10·8	84·5	+5·0	94·0	+7·9	19·0	113·7	18th	78·3	22nd	35·4
	Bareilly	568	28·954	—·025	29·478	29·106	10th	28·826	18th	·280	85·8	99·3	+7·7	80·8	+2·1	90·1	+4·9	18·5	109·3	7th	75·0	6 days	34·3
	Meerut	738	28·787	—·016	29·478	28·958	10th	28·667	18th & 19th,	·291	86·5	99·3	+6·5	80·5	+1·1	89·9	+3·8	18·8	109·1	18th, & 19th.	70·8	10th	28·3
	Roorkee	899	28·638	—·015	29·491	28·791	10th	28·502	19th	·289	85·2	99·0	+6·9	80·2	+2·0	89·6	+4·5	18·8	111·0	7th	72·4	25th & 26th	38·6
	Dehra Dun	2,233	27·355	—·021	29·505	27·499	10th	27·236	19th	·263	79·8	92·1	+6·6	74·6	+0·5	83·4	+3·6	17·5	102·5	7th	69·0	10th & 25th	33·5
	V.—Punjab.																						
12	Delhi	718	28·823	+·001	29·490	28·996	10th	28·700	18th	·296	88·7	102·2	+8·2	85·0	+4·3	93·6	+6·3	17·2	112·2	10th	76·2	25th	36·0
	Sirsa	682	28·864	+·007	29·479	29·034	10th	28·707	19th	·327	88·8	103·3	+2·8	82·6	+0·8	93·0	+1·8	20·7	113·3	18th	73·1	24th	40·2
	Patiala	*818*	28·709		29·480	28·850	10th	28·565	19th	·285	87·3	99·9		80·9		90·4		19·0	111·2	18th	72·2	25th	39·0
	Ambala	892	28·637	—·007	29·481	28·799	10th	28·492	19th	·307	86·4	101·0	+7·7	81·0	+2·2	91·0	+5·0	20·0	112·0	19th	72·0	25th	40·0
	Ludhiana	812	28·721	+·002	29·489	28·898	10th	28·557	19th	·341	86·7	101·8	+ 4·8	80·8	+0·5	91·3	+2·7	21·0	113·5	18th & 19th	73·6	20th, 21st & 27th.	39·9
*	Lahore	702	28·808	0	29·466	28·998	10th	28·620	19th	·378	88·8	103·9	+2·3	82·0	+2·6	92·0	+3·0	21·9	114·9	18th	75·2	12th & 22nd	39·7
	Sialkot	830	28·684	—·005	29·470	28·872	10th	28·480	19th	·392	87·7	102·6	+5·0	79·7	+0·2	91·6	+2·6	22·9	114·9	18th & 19th	71·1	24th	43·8
	Rawalpindi	1,674	27·875	+·004	29·493	28·050	10th	27·686	19th	·364	84·6	10·3	+4·0	75·3	—1·4	88·3	+1·3	26·0	113·5	19th	68·2	23rd	45·3
13	Khushab	612	28·902	+·025	29·471	29·120	10th	28·697	19th	·423	90·3	105·0	+2·4	81·8	—0·3	93·4	+1·1	23·2	116·8	18th	70·9	24th	45·9
	Montgomery	558	28·951	+·028	29·464	29·166	10th	28·760	19th	·406	90·8	105·7	+1·0	82·2	—1·7	94·0	—0·4	23·5	115·8	6th	71·5	22nd	44·3
	Multan	420	29·063	+·003	29·428	29·284	10th	28·871	19th	·413	91·6	107·3	+3·5	85·4	+1·7	96·4	+2·6	21·9	113·9	6th	78·0	1st, 12th & 13th	35·9
	VI.—North-West Frontier Province.																						
15	Peshawar	1,110	28·429	+·015	29·502	28·643	10th	28·219	19th	·424	86·3	104·0	+1·1	77·1	—2·3	90·6	—0·6	26·9	115·2	19th	69·4	26th	45·8
	D. I. Khan	590	28·908	—·004	29·437	29·184	10th	28·670	19th	·464	88·9	106·6	+3·2	81·9	—0·6	94·3	+1·3	24·7	117·2	19th	74·1	1st	43·1
	VII.—Sind.																						
17	Jacobabad	186	29·312	+·024	29·455	29·502	10th	29·150	20th	·352	91·3	110·7	+2·9	85·4	+1·1	98·1	+2·0	25·3	115·6	1st	78·2	1st	37·4
	Hyderabad	96	29·444	+·029	29·491	29·625	10th	29·298	20th	·327	87·6	102·6	+2·7	82·6	+1·8	92·6	+2·8	20·0	110·7	3rd	80·0	5th	30·7
	Kurrachee	30	29·556	+·024	29·535	29·721	10th	29·420	20th	·301	87·0	94·0	+3·4	83·5	+2·9	88·8	+3·2	10·5	95·9	19th.	80·2	29th	15·7
	VIII.—Rajputana.																						
18	Bikaner	*771*	28·766	+·010	29·487	28·953	10th	28·646	19th	·307	90·3	105·0	+4·6	88·1	+3·3	95·6	+4·0	18·9	111·5	5th	75·5	24th	36·0
	Jodhpur	782	28·808		29·557	28·693	10th	28·668	27th	·327	86·7	102·9		82·9		92·9		20·0	108·7	5th	73·3	25th	35·4
	Pachpadra	*330*	29·190	+·030	29·520	29·349	10th	29·062	24th	·267	88·2	104·3	+6·6	81·0	+1·3	92·6	+4·0	23·3	109·3	5th	70·3	25th	38·5
19	Jaipur	1,431	28·162	+·012	29·520	28·337	10th	28·061	24th	·276	86·9	100·9	+7·4	81·1	+2·9	91·0	+5·2	19·8	111·2	1st	75·6	20th	35·6
	Sambhar	1,254	28·329	+·021	29·524	28·503	10th	28·228	19th	·275	87·6	101·5	+6·9	82·5	+3·3	92·0	+5·1	19·0	111·0	5th	75·4	30th & 31st.	35·6
	Ajmer	1,611	28·007	+·025	29·550	28·180	10th	27·888	25th	·292	85·9	100·5	+9·2	83·0	+5·7	91·8	+7·5	17·5	107·9	5th	77·6	30th	30·3
	Kotah	819 †	28·733		29·536	28·923	10th	28·606	24th	·317	88·1	101·2		84·0		92·6		17·2	111·1	1st	77·1	21st	34·0
	Udaipur	1,925	27·720		29·568	27·908	10th	27·577	27th	·331	82·8	95·2		77·6		86·4		17·6	104·0	5th	72·3	25th	31.7

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

* Mean of 30 days.

NOTE.—The barometric readings are not reduced to sea-level, in the cases of hill or plateau stations, the elevations of which exceed 5,200 feet.

—*continued.*

India, etc., in July 1907—continued.

Wind direction. Number of winds from N. (33)	N.E. (27)	E. (28)	S.E. (29)	S. (30)	S.W. (31)	W. (32)	N.W. (33)	Resultant direction. (34)	Normal direction. (35)	Wind velocity. Mean velocity miles per hour. (36)	Normal. (37)	Departure from normal. (38)	Wind steadiness. Actual Percentage. (39)	Departure from normal. (40)	Hygrometry, 8 hrs. Mean humidity at 8 hrs. (41)	Departure from normal. (42)	Mean vapour tension at 8 hrs. in inches of mercury. (43)	Departure from normal in inches of mercury. (44)	Cloud. Mean cloud amount at 8 hrs. (45)	Departure from normal. (46)	Rainfall. Number of rainy days. (47)	Normal number of rainy days. (48)	Departure from normal. (49)	Rainfall of month. (50)	Normal rainfall of month. (51)	Departure from normal. (52)	Total rainfall from 1st May to 31st July 1907. (53)	Normal rainfall for period, 1st May to 31st July. (54)	Departure from normal of period, 1st May to 31st July 1907. (55)	Heaviest rainfall during month. (56)	Station. (57)
																															IV.—United Provinces of Agra and Oudh.—*contd.*
		6	9		6	5	1	S 13° E	S 1° E	1·0	4·7	−3·7	33	+19	64	−18	·819	−·092	2·4	−5·0	8	12·10	−4·10	3·17	10·98	−2·79	8·28	15·36	− 7·08	2·81	Cawnpore.
	6	5	8	1		3	1	S 81° E	S 82° E	3·5	3·8	−0·3	37	+13	73	−11	·917	−·024	4·7	−2·2	5	14·10	−9·10	3·52	11·53	−8·01	4·16	18·25	−14·09	1·18	Lucknow.
	1	13	14				2	S 71° E	S 68° E	4·1	3·5	+0·6	76	+36	79	− 6	·925	−·032	6·6	−0·1	10	12·80	−2·80	4·87	11·86	−6·99	9·16	20·34	−11·18	1·80	Bahraich.
	1	3	2		6	13	3	S 79° W	S 72° W	3·1	4·4	+3·7	46	− 1	78	‖	1·011	‖	4·8	−1·7	13	13·10	−0·10	5·41	12·12	−6·71	6·66	18·59	−11·93	1·08	Jhansi.
			4		15			S 31° W	S 24° W	4·8	5·5	−0·7	49	+ 7	61	−18	·791	−·131	4·5	−2·5	6	10·80	−4·80	2·52	10·60	−8·08	3·71	14·06	−10·35	1·18	Agra.
1	4	5	3		4	4	5	N 10° W	S 41° E	4·0	2·0	+2·0	8	+ 5	64	−18	·882	−·046	3·9	−3·1	4	10·20	−6·20	4·69	8·75	−4·06	5·15	13·91	− 8·76	1·44	Mainpuri.
	1	14	1			3		E	S 47° E	3·1	3·3	−0·2	40	+ 8	72	−13	·881	−·051	4·9	−1·7	7	13·45	−6·45	10·76	15·47	−4·71	11·94	22·19	−10·25	4·38	Bareilly.
	1	1	5	1		2	3	S 79° E	S 63° E	2·9	2·3	+0·6	6	−20	64	−15	·782	−·103	3·9	−2·7	6	9·40	−3·40	1·62	9·35	−7·73	1·93	13·44	−11·51	0·46	Meerut.
		1		18			4	S 46° E	S 38° E	4·5	2·9	+1·6	49	+10	67	−15	·786	−·093	3·4	−3·0	9	11·90	−2·90	10·66	12·61	−1·95	11·45	18·74	− 7·29	3·81	Roorkee.
								§	S 38° E	1·7†	1·1	+0·6	§		71	−17	·708	−·099	5·9	−2·1	15	21·20	−6·20	10·82	28·58	−17·76	13·08	40·53	−27·45	2·57	Dehra Dun.
																															V.—Punjab.
3	1	6	4	1	1	9	6	N 52° W	S 22° E	6·3	4·2	+2·1	17	− 5	58	−17	·745	−·125	5·7	−0·6	2	9·20	−7·20	1·02	8·48	−7·46	1·18	12·61	−11·43	0·88	Delhi.
1	1	4	6	1	4	8	6	S 71° W	S 16° W	7·0	7·1	−0·1	23	− 6	58	− 9	·749	−·108	2·5	−3·4	5	5·00	0	2·64	4·14	−1·50	4·91	6·64	−1·73	1·61	Sirsa.
								S 18° E		6·8‡			20		61		·770		0·4		7			8·46			8·81			2·78	Patiala.
3		1	12	5		3	6																								
		3	12			3	6	S 45° E	S 62° E	4·1	1·5	+2·6	20	− 2	62	−24	·758	−·179	3·0	−2·7	7	9·80	−2·80	4·96	7·65	−2·69	5·05	14·67	−9·62	2·00	Ambala.
1	2		13		2	1	8	S 45° E	S 34° E	3·0	2·4	+0·6	13	−23	58	−18	·706	−·187	2·8	−3·6	7	7·60	−0·60	2·53	9·27	−6·74	3·73	12·90	−9·17	0·78	Ludhiana.
1	1	2	8	1		8	3	N 83° W	S 42° E	3·9	3·4	+0·5	6	−33	57	−14	·761	−·116	2·0	−2·2	2	3·30	−1·30	1·51	5·96	−4·45	2·99	8·87	−5·88	1·26	Lahore.
7	7	4	4	1	1		3	N 43° E	S 85° E	3·1	2·8	+0·3	46	− 1	52	−22	·675	−·210	2·4	−1·5	3	9·00	−6·00	1·71	8·01	−6·30	4·48	12·12	−7·64	0·71	Sialkot.
	6	2	3	1	3			S 81° E	S 82° E	3·1	2·5	+0·6	20	− 5	51	−21	·611	−·197	3·5	−0·7	4	9·10	−5·10	3·35	8·53	−5·18	9·10	12·01	−2·91	2·31	Rawalpindi.
1	9	5	1	1		1		N 63° E	N 62° E	7·2	7·5	−0·3	43	−11	53	−12	·741	−·106	1·8	−0·9	4	3·50	+0·50	1·56	4·52	−2·96	2·86	7·02	−4·16	0·70	Khushab.
	4	6	5	5	7	3		S 23° E	S 15° E	10·8	9·6	+1·2	40	+ 1	49	−11	·678	−·160	1·4	−1·5	3	3·29	−0·20	1·17	2·48	−1·31	2·90	3·89	−0·99	0·47	Montgomery.
	4	1	6	1	12		1	S 6° W	S 89° W	3·6	3·1	+0·5	33	− 1	53	− 9	·772	−·078	1·1	−1·0	0	2·50	−2·50	0·02	2·41	−2·39	2·59	3·33	−0·80	0·02	Multan.
																															VI.—North-West Frontier Province.
9	6					4	2	N 36° W	N 9° W	2·0	4·1	−2·1	30	−12	51	−12	·632	−·166	3·3	+0·1	3	2·10	+0·90	1·23	1·66	−0·43	1·91	2·71	−0·80	1·05	Peshawar.
7		13		8		1	2	N 72° E	N 68° E	2·5	2·5	0	46	+14	61	− 8	·822	−·090	1·5	−0·9	2	3·10	−1·10	0·67	2·38	−1·71	1·30	3·27	−2·07	0·48	D. I. Khan.
																															VII.—Sind.
2	2			10	14	2	1	S 14° E	S 49° E	6·1	5·6	+0·5	69	+ 4	68	+ 3	·995	+·092	2·4	−0·2	1	1·60	−0·60	0·22	1·22	−1·00	1·96	1·47	+0·49	0·21	Jacobabad.
4					5	20	2	S 40° W	S 47° W	8·3	16·7	−8·4	79	− 2	65	− 2	·850	+·035	3·3	−2·7	0	3·30	−3·30	0	2·70	−2·70	2·45	3·26	−0·81	0	Hyderabad.
						6	21	4	S 87° W	S 76° W	13·6	17·2	−3·6	92	+ 8	74	− 8	·937	−·020	6·9	−0·4	0	3·00	−3·00	0·06	3·66	−3·60	1·83	4·37	−2·54	0·04	Kurrachee.
																															VIII.—Rajputana.
	1	1		2	2	11	11	3	S 69° W	S 29° W	10·5	8·3	+2·2	66	+ 2	63	− 3	·894	+·050	1·8	−2·6	2	4·90	−2·90	5·89	3·39	+2·50	7·18	5·97	+1·21	4·04	Bikaner.
1			1		4	17	8		S 50° W	7·7			79		60		·764		5·2		4	5·30	−1·30	1·87	4·19	−2·32	2·14	5·95	−3·81	1·08	Jodhpur.
					9	13	7	2	S 46° W	12·7	11·0	+1·7	79		62	−18	·817	‖	0	−7·6	2	5·40	−3·40	2·41	4·63	−2·22	4·02	6·75	−2·73	1·43	Pachpadra.
	2		3	1		3	11	11	N 68° W	S 73° W	6·6†	5·4	+1·2	59	+17	60	−16	·738	−·100	4·2	−2·6	5	10·90	−5·90	5·49	8·66	−3·17	6·75	11·81	−5·06	2·43	Jaipur.
1	1		1	1	1		18	8	N 78° W	S 87° W	0·9†	8·8	−7·9	72	+15	63	−10	·801	−·020	3·2	−3·0	8	8·80	−0·80	2·98	7·23	−4·20	3·46	9·57	−6·11	0·61	Sambhar.
1						7	19	4	S 88° W	S 87° W	10·2	8·0	+2·2	89	+21	66	−14	·806	−·032	4·9	−0·7	4	9·50	−5·50	2·33	7·42	−5·09	3·90	10·51	−7·51	1·01	Ajmer.
3	1				10	6	11		N 85° W		4·1			69		58		·735		4·4		8	10·90	−2·90	3·54	9·85	−6·31	3·62	14·53	−10·91	1·08	Kotah.
3	1			1	2	5	14	5	S 85° W		6·7			66		69		·768		5·4		11	9·50	+1·50	7·91			9·42			1·98	Udaipur.

† Uncorrected. ‡ Mean of 28 days. §: Indeterminate. ‖ Mean of 15 days.

Table

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

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 means of daily, between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	IX.—Bombay.																						
20	Deesa	466	29·162	+·026	29·577	29·358	10th	29·027	23rd	·331	84·7	100·8	+9·1	79·2	+1·6	90·1	+5·4	21·6	109·8	15th	68·4	25th	41·4
	Bhuj	395	29·231	+·034	29·574	29·419	10th	29·096	23rd	·323	83·5	95·7	+5·7	79·9	+1·8	87·8	+3·8	15·8	100·6	15th	72·5	31st	28·1
	Jamnagar	61	29·572		29·578	29·743	10th	29·431	23rd	·312	85·5	93·5		79·1		86·3		14·4	98·9	8th	74·6	30th	24·3
	Dwarka	377	29·605		29·587	29·784	10th	29·477	19th	·307	84·9	88·7		81·9		85·3		6·8	91·3	15th	76·7	30th & 31st.	24·6
	Rajkot	429	29·221	+·023	29·597	29·399	10th	29·078	23rd	·321	83·2	95·7	+5·1	76·2	+0·4	86·0	+2·6	19·5	102·9	3rd	72·2	15th	30·7
	Veraval	*18*	29·645	+·007	29·605	29·817	10th	29·518	23rd	·299	83·4	85·0	+1·3	80·9	+1·7	83·0	+1·5	4·1	88·6	5th	79·3	28th	13·3
	Bhavnagar Para	55	29·602	?	29·601	29·790	10th	29·463	23rd	·327	83·9	95·7	+2·3	78·9	+0·1	87·3	+1·2	16·8	103·1	1st	79·0	23rd	29·1
	Surat	89	29·631	−·002	29·635	29·809	10th	29·472	23rd	·337	82·4	89·2	+1·9	78·4	+1·2	83·8	+1·6	10·8	97·2	4th	73·0	28th	24·2
	Ahmedabad	169	29·480	+·006	29·580	29·675	10th	29·331	23rd	·344	83·8	96·7	+5·3	79·0	+0·8	87·9	+3·1	17·7	104·1	2nd	73·7	25th	30·4
26	Bombay	37	29·682	−·020	29·659	29·850	10th	29·545	23rd	·305	80·7	84·9	+0·5	78·0	+0·5	81·5	+0·5	6·9	89·0	3rd, 11th & 18th.	73·5	28th	15·5
	Ratnagiri	110	29·649	−·018	29·699	29·753	10th	29·552	23rd	·201	80·0	84·6	+0·7	76·6	+0·9	80·6	+0·8	8·0	87·8	11th, 12th & 14th.	73·9	31st	13·9
	Goa	199	29·569	?	29·707	29·857	11th	29·479	24th	·187	79·5	83·0	+0·6	76·2	+0·2	79·6	+0·4	6·8	87·0	11th	73·0	14th & 18th.	14·0
	Mormugao	*60*	29·732	−·019	29·727	29·841	6th & 11th.	29·648	24th	·193	79·7	84·4	+0·7	76·5	+0·3	80·5	+0·5	7·9	89·5	11th	32·9	18th	14·6
	Karwar	44	29·753	−·033	29·731	29·856	11th	29·674	25th	·182	79·1	83·4	+0·4	75·4	+0·3	79·4	+0·4	8·0	86·7	8th	72·5	1st	14·2
27	Mulagaon	1,430	28·372	+·018	29·653	28·450	10th	28·127	24th	·323	79·1	90·5	+3·1	73·4	+0·1	82·0	+1·6	17·1	98·4	4th	70·1	4th	28·3
	Ahmednagar	2,184	27·567	+·007	29·682	27·729	10th	27·437	24th	·292	75·6	86·1	+0·9	70·9	+0·3	78·5	+0·6	15·3	93·9	11th	67·5	9th	26·4
	Poona	1,846	27·887	−·006	29·649	28·038	10th	27·768	23rd	·265	76·0	89·2	+0·9	70·4	−0·4	79·8	+0·3	12·8	90·0	11th	66·8	9th	23·2
	Sholapur	1,990	28·139	−·002	29·682	28·283	10th	27·990	24th	·293	76·2	86·0	−1·5	72·4	+0·7	80·2	−0·4	15·6	94·7	11th	70·5	19th & 28th.	24·2
	Bijapur	*1,946*	27·986	−·045	29·790	27·917	11th	27·671	24th	·246	75·0	87·4	+1·2	71·1	+0·3	79·3	+0·8	16·3	96·2	12th	69·2	18th, 28th & 29th.	27·0
	Belgaum	2,520	27·252	−·012	29·723	27·329	6th & 11th.	27·138	24th	·191	76·3	87·8	+0·1	67·4	+0·5	72·6	+1·3	10·4	85·2	11th & 12th	65·8	9th, & 31st.	19·4
	X.—Central India.																						
21	Neemuch	1,884	28·094	+·011	29·570	28·177	10th	27·856	27th	·321	84·5	95·4	+9·0	77·3	+3·2	86·9	+6·1	19·1	107·9	9th	68·7	25th	39·2
	Indore	1,823	27·845	?	29·612	28·027	10th	27·698	23rd	·329	78·5	90·9	+6·4	74·1	+1·5	82·5	+4·0	16·8	100·1	5th	70·1	22nd	30·0
22	Nowgong	754	28·798	−·016	29·699	28·964	10th	28·676	24th	·288	85·6	99·2	+9·3	82·5	+6·4	90·9	+6·9	16·7	110·0	6th	76·5	21st	33·5
	Sutna	1,040	28·509	−·016	29·696	28·673	10th	28·401	24th	·272	85·9	98·5	+11·1	82·5	+5·5	90·5	+8·3	16·0	108·1	6th	77·1	1st & 30th.	31·0
	XI—Central Provinces.																						
23	Buldana	2,132					8 hrs.	observa	tions	not	avail	able.											
	Akola	990	28·726	−·009	29·607	28·897	10th	28·568	24th	·339	79·9	91·0	+2·1	75·7	+1·6	83·4	+1·9	15·3	99·8	5th	72·9	28th, 29th & 31st.	26·9
	Amraoti	1,215	28·441	0	29·603	28·625	10th	28·278	24th	·347	78·1	90·2	+2·9	75·0	+1·5	82·6	+2·2	15·2	98·2	5th, & 30th.	71·8	4 days	26·4
24	Khandwa	1,044	28·604	+·002	29·603	28·784	10th	28·459	22nd & 29th.	·325	80·2	93·1	+5·5	77·6	+2·3	85·4	+3·9	15·5	102·7	4th	73·1	24th, 25th & 30th.	29·6
	Hoshangabad	1,006	28·618	−·004	29·580	28·803	10th	28·470	27th	·338	81·0	92·9	+6·2	78·7	+1·5	84·8	+3·9	15·2	102·2	6th	72·3	30th	29·9
	Sangor	1,807	27·800	−·002	29·542	27·978	10th	27·664	24th	·309	80·2	92·2	+7·0	76·5	+2·6	84·4	+4·8	15·7	102·1	5th	72·9	1st & 21st.	30·1
	Jubbulpore	1,327	28·279	+·006	29·553	28·043	15th	28·136	24th	·312	79·9	91·9	+6·0	76·2	+1·6	84·1	+3·8	15·7	102·5	5th	71·8	1st	30·7
	Seoni	2,033	27·612	+·005	29·581	27·830	10th	27·482	27th	·328	77·6	88·7	+4·9	73·7	+1·1	81·2	+3·0	15·0	96·8	6th	70·0	1st	26·8
	Nagpur	1,017	28·618	−·008	29·569	28·816	10th	28·486	24th	·330	78·9	90·4	+2·6	75·4	+0·3	82·9	+1·5	15·0	98·6	9th	69·6	1st	29·0
25	Pendra	2,123?	27·580		29·599	27·759	10th	27·464	27th	·295	78·4	87·2		73·2		80·2		14·0	95·2	7th	70·1	1st	25·1
	Raipur	970	28·641	−·001	29·582	28·830	10th	28·443	27th	·387	78·7	87·8	+1·3	72·6	−2·3	80·2	−0·5	15·2	96·1	9th	68·4	29th & 30th	27·7
	Chanda	*634*	29·007	−·016	29·585	29·175	10th	28·853	24th	·322	80·5	89·3	+0·7	75·5	−0·4	82·2	+0·2	13·8	97·5	7th	67·0	1st	30·5

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

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

—*continued.*

India, etc., in July, 1907—continued.

Wind direction. Number of winds from N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind velocity. Mean velocity, miles per hour.	Normal.	Departure from normal.	Wind steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs., in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 31st July 1907.	Normal rainfall for period, 1st May to 31st July.	Departure from normal of period, 1st May to July 1907.	Heaviest rainfall during month.	Station.
26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																															IX.—Bombay.
1		1			5	16	6	2	S 52° W	S 61° W	13·3	15·3	−2·0	72	+ 7	72	−11	·354	−·012	5·8	−2·7	7	10·73	−3·73	5·68	16·16	−4·48	6·89	12·68	− 5·83	1·94	Deesa.
1					2	16	12	7	S 31° W	S 78° W	14	13·2	−3·8	79	+ 1	86	†	·361	†	6·8	−0·8	5	6·20	−1·20	5·41	7·47	−2·06	8·31	9·59	− 1·28	3·62	Bhuj.
					2	18	12	2	S 66° W		10·5			82		73		·338		1·2		8			3·72			10·47			3·32	Jamnager.
					5	16	8	1	S 58° W		18·2			82		82		·390		6·6		6			5·20			8·45			1·35	Dwarka.
					1	25	6	1	S 58° W	S 76° W	12·4	14·2	−1·8	92	+11	77	− 6	·358	−·015	6·9	−1·1	10	11·20	−1·20	7·71	13·31	− 5·60	8·98	18·69	− 9·69	2·00	Rajkot.
					1	11	14	2	S 73° W	S 75° W	17·4	13·4	+4·0	79	− 4	86	− 2	·374	+·042	6·2	−2·2	11	10·80	+0·10	11·45	7·28	+ 4·21	13·86	12·98	+ 1·37	3·55	Veraval.
					1	19	4	6	S 69° W	S 48° W	9·7	14·7	−5·0	79	+ 2	77	− 3	·393	−·023	7·4	−0·2	9	10·20	−1·20	4·62	9·73	− 0·11	6·78	9·85	−3·07	1·40	Bhavnagar.
				1	1	11	10	6	S 31° W	S 55° W	7·4	13·0	−5·6	72	− 5	82	− 4	·314	+·001	7·8	−0·2	12	16·10	−4·10	18·44	17·68	+ 0·76	23·27	27·43	− 4·16	5·56	Para, Surat.
1	2		1	2	11	14	7	4	S 68° W	S 55° W	6·5	6·6	−0·1	62	− 9	75	− 8	·354	−·036	7·8	−1·0	11	13·50	−2·50	8·93	12·59	− 3·66	11·44	19·36	− 7·92	3·33	Ahmedabad.
1	1		1	2	11	14	2	2	S 71° W	S 70° W	11·8	19·4	−7·6	76	+ 2	87	+ 4	·423	+·022	8·7	−0·3	18	23·00	−5·00	58·05	26·05	+33·00	81·53	46·39	+35·14	10·02	Bombay.
	1	1	4	3	1	12	9	1	S 49° W	S 65° W	10·5	11·7	−1·2	49	−19	88	0	·388	−·003	8·4	−0·2	21	25·90	−4·90	34·33	35·68	− 1·35	55·58	67·33	−11·75	5·25	Ratnagiri.
		1	2		2	10	13	2	S 68° W	S 75° W		10·0		69	− 5	89	+ 1	·398	+·011	9·6	+0·5	24			32·55	32·68	− 0·13	62·54	63·73	− 1·19	4·00	Goa.
					1		5	18	N 55° W	N 62° W	11·2	13·2	−1·9	72	− 8	91	+ 2	·320	+·014	8·7	+1·1	25			32·43	31·88	+ 0·55	62·66	58·08	+ 4·58	4·20	Mormugao.
						13	10		S 65° W	S 75° W	3·5	5·8	−2·3	69	+ 2	92	+ 6	·337	+·045	9·3	+1·2	25	27·40	−2·40	38·77	37·78	+ 0·99	73·26	77·04	− 3·78	6·40	Karwar.
						6	15	5	S 83° W	S 75° W	11·8	14·5	−2·7	76	−10	76	− 2	·744	−·011	4·4	−2·3	10	7·30	+2·70	12·15	5·00	+ 7·15	17·59	10·17	+ 7·42	3·67	Malegaon.
				1		12	4	3	S 85° W	S 74° W	9·2	20·7	−11·5	59	−16	78	− 4	·394	−·032	6·3	−1·8	10	6·40	+3·60	6·40	2·84	+ 3·56	9·90	8·86	+ 1·04	2·68	Ahmednagar
							2	14		S 24° W	N 76° W	11·5	16·9	−5·4	49	−37	79	− 3	·677	−·022	8·9	−0·8	16	12·50	+3·50	20·02	7·05	+12·97	29·98	12·11	+11·87	4·29	Poona.
					1	13	8	6	S 74° W	S 69° W	13·6	14·4	−0·8	73	−12	82	+10	·730	‡	8·4	+0·2	13	7·60	+4·10	11·85	9·19	+ 7·66	16·12	9·55	+ 6·62	6·31	Shelapur.
						18	11	2	S 68° W	S 74° W	13·8	10·2	+3·6	89	+ 4	79	− 1	·698	−·008	6·2	−1·2	5	5·10	−0·10	2·42	2·02	+ 0·45	3·01	7·36	− 4·35	0·71	Bijapur.
						9	11	1	S 73° W	S 77° W	15·3	26·4	−11·1	62	−25	92	− 1	·695	+ ·019	9·0	−0·2	19	21·60	−2·60	11·26	15·46	− 4·21	16·89	26·39	− 9·50	1·74	Belgaum.
																															X.—Central India.
						13	13	2	S 29° W	S 71° W	11·3	12·2	−0·9	79	− 1	70	−12	·747	−·059	7·9	+0·2	6	10·10	−4·10	4·75	8·96	− 4·22	6·28	14·38	− 8·10	1·50	Nasmuch.
						3	17	11	N 79° W	S 81° W	7·9	6·7	+1·2	92	+12	79	− 8	·761	−·021	9·8	+0·8	12	12·90	−0·90	15·13	9·00	+ 6·13	18·67	15·98	+ 2·13	3·07	Indore.
1	2	1	1	1	5	17	1		S 88° W	S 84° W	4·5	4·2	+0·3	59	+ 1	71	−12	·349	−·015	7·9	+0·2	7	14·99	−7·99	6·89	14·20	− 7·34	8·99	22·68	−13·69	3·98	Mowgong.
		1	5	1	1	9	10	2	S 62° W	S 74° W	6·0	9·2	−3·2	43	− 2	72	−11	·389	+ ·011	9·4	+2·2	11	15·09	−4·09	10·98	14·28	− 3·29	11·49	21·98	−10·49	4·39	Sylhet.
																															XI.—Central Provinces.
																	8 hrs.	observations	not	available.											Buldana.
						3	4	5	S 81° W	N 83° W	8·4	9·1	−0·7	93	−39	81	+ 2	·815	+·033	8·8	+0·2	10	12·20	−2·20	6·59	10·57	− 3·98	12·35	19·20	− 3·85	2·41	Akola.
1						16	12		S 67° W	S 88° W	8·1	9·1	−1·0	86	+ 3	82	− 4	·785	−·009	6·1	−1·7	10	12·30	−2·30	6·19	9·88	− 3·69	15·89	17·33	− 1·44	3·39	Amraoti.
					1		10	20	N 60° W	W	9·3	9·4	−0·1	86	0	75	− 6	·768	−·018	6·6	−0·9	9	11·10	−2·10	6·94	8·89	− 1·95	8·64	15·05	− 6·41	1·75	Khandwa.
	1					2	9	10	S 79° W	S 54° W	5·5	4·8	+0·7	62	−13	79	− 9	·332	−·020	9·3	+0·9	9	16·10	−7·10	7·74	16·82	− 9·08	17·26	28·15	− 6·89	2·75	Hoshangabad
		1				1	7	18	S 67° W	S 80° W	7·9	6·4	+1·5	79	+ 3	74	−13	·753	−·053	7·8	+0·6	11	16·50	−5·50	8·39	15·27	− 6·88	12·39	24·56	−12·17	3·58	Saugor.
		1			3	5	9	9	S 54° W	S 71° W	4·0	4·7	−0·7	59	− 6	78	− 9	·722	−·036	8·0	−0·1	14	18·40	−4·40	9·77	20·15	−10·38	12·83	30·20	−17·34	2·45	Jubbulpore.
		2				5	8	8	S 78° W	S 76° W	6·3	6·1	+0·2	56	− 9	80	− 7	·756	−·033	7·9	−0·2	15	18·60	−3·60	8·14	17·09	− 8·95	15·85	27·72	−11·87	1·75	Seoni.
		1			2	6	13	7	S 46° W	S 76° W	5·5	8·7	−3·2	89	+ 1	83	0	·815	−·010	7·9	−0·5	16	15·80	+0·20	13·63	14·66	− 1·03	25·88	23·90	+ 1·98	2·60	Nagpur.
		1																				11			9·97			17·60			2·55	Pendra.
		1			7	6	6	1	7	S 27° W	6·2			30		81		·785		5·7											
		2				2	24	2	1	S 47° W	S 49° W	11·2	11·1	+0·1	89	+24	89	0	·837	−·004	8·4	−5·2	9	15·80	−6·80	11·44	15·89	− 4·45	23·58	25·71	− 2·13	2·63	Raipur.
		1				1	8	11	5	S 33° W	S 69° W	5·3	6·0	−0·7	82	−16	79	+ 1	·811	+·015	8·3	+0·3	14	16·80	−2·80	19·24	18·08	+ 1·16	23·89	26·50	− 2·61	2·21	Chanda.

cases of hill or plate.n stations, the elevations of which exceed 3,000 feet.

* Uncorrected reading.

† mean of 29 days.

Table

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

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean, between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	XII.—Hyderabad.																						
28	Aurangabad	1,905	27·825		29·677	27·950	10th	27·694	24th	·256	75·8	86·5		70·3		78·4		16·2	93·2	11th	59·2	28th	34·0
	Nizamabad§	1,260	28·429		29·688	28·582	10th	28·278	24th	·304	78·4	89·4		74·3		81·9		15·1	94·9	9th, 10th & 21st.	71·2	28th & 31st.	23·7
	Bidar	*2,165*	27·592?		29·700?	27·713	10th	27·435	26th	·278	74·8	85·6		71·7		78·7		13·9	91·6	17th	67·6	12th	24·0
29	Gulbarga	1,503	28·231	−·018	29·687	28·341	10th	28·070	24th	·271	76·1	88·5	−1·3	72·2*	+0·1*	80·4*	−0·5	16·3	96·0	12th	65·8	19th	30·2
	Raichur	*1,811*	28·431	−·022	29·693	28·526	11th	28·295	24th	·231	77·5	88·6	−1·5	72·6	−0·5	80·6	−1·0	16·0	94·1	7th	67·1	30th	27·0
	Hyderabad (Deccan).	1,690	28·029	−·013	29·670	28·151	10th	27·870	24th	·281	76·3	87·7	+0·6	73·5	+1·8	80·6	+1·2	14·2	92·8	12th	69·7	1st	24·1
	Hanumkonda	871	28·803		29·618	28·945	10th	28·647	24th	·298	79·9	88·7		76·6		82·7		12·1	94·5	8th	72·3	1st	22·2
	XIII.—Mysore.																						
30	Chitaldroog	2,405	27·402	−·020	29·719	27·488	10th	27·281	24th	·197	72·0	81·5	−0·4	68·7	+0·3	75·1	−0·1	12·8	88·1	7th, 11th & 12th.	64·9	9th	23·2
	Hassan	3,091	26·780	−·022	29·786	26·857	10th	26·671	25th	·186	70·3	79·8	+3·0	65·5	+0·6	72·7	+1·8	14·3	87·9	14th	63·6	29th	24·3
	Bangalore	3,021	26·839	−·023	29·779	26·918	10th	26·716	25th	·202	70·2	82·2	+0·3	66·1	+0·3	74·2	+0·3	16·1	88·8	7th	63·8	30th & 31st.	25·0
	Mysore	2,518	27·337	−·028	29·798	27·410	10th	27·143	25th	·167	72·4	83·0	+0·3	67·5	+0·6	75·3	+0·5	15·5	90·0	9th & 14th.	66·0	7 days	24·0
	XIV—Madras.																						
31	Mangalore	65	29·770	−·037	29·768	29·839	29th	29·679	25th	·160	77·9	82·4	−0·6	74·5	+0·2	78·5	−0·2	7·9	86·7	3rd	72·4	27th & 29th.	14·3
	Calicut	27	29·831	−·034	29·788	29·911	29th	29·743	25th	·168	77·1	81·7	−0·8	74·4	+0·5	78·1	−0·2	7·3	87·3	7th	71·7	21st	15·6
	Cochin	9	29·869	−·027	29·806	29·928	10th	29·797	25th	·131	78·0	84·3	+0·8	74·2	+0·2	79·3	+0·5	10·0	88·3	9th	71·7	24th	16·6
	Trivandrum	198	29·670	−·024	29·802	29·734	29th	29·589	25th	·145	76·7	81·7	−0·4	75·0	−0·2	78·4	−0·3	6·7	84·5	9th	72·5	10th	12·0
32	Tinnevelly	168	29·657	−·014	29·754	29·738	10th	29·557	25th	·181	84·5	95·6	−0·2	78·6	−0·8	87·1	−0·5	17·0	99·8	6th & 13th.	74·9	21st & 26th.	24·9
	Pamban	37	29·770	−·027	29·734	29·846	10th	29·684	25th	·162	83·6	90·1	+0·3	80·3	+0·8	85·2	+0·6	9·8	92·8	5th	78·2	31st	14·6
	Madura	447	29·359	−·015	29·741	29·452	10th	29·274	25th	·178	82·7	94·6	−2·6	76·1	−0·3	85·4	−1·5	18·5	106·0	4th	71·0	7th	29·0
	Periyakulam	998	28·860		29·744	28·948	10th	28·766	25th	·182	78·3	92·4		71·4		80·4		21·0	97·2	6th & 7th.	66·3	30th	31·0
	Pudukkottai‖	318	29·479		29·729	29·572	10th	29·393	25th	·179	83·0	96·7		77·2		87·0		19·5	100·0	31st	73·9	12th	26·1
	Negapatam	31	29·752	−·024	29·712	29·836	10th	29·659	25th	·177	83·5	96·9	+1·0	79·0	+0·8	87·9	+0·9	17·9	102·4	4th	73·0	6th	29·4
	Trichinopoly	255	29·542	−·027	29·739	29·631	10th	29·446	25th	·185	82·9	95·9	−1·6	77·8	−0·1	86·7	−0·9	18·1	101·6	6th	73·9	15th	27·7
	Coimbatore	1,348	28·461	−·027	29·767	28·543	10th	28·353	25th	·190	75·4	87·2	−0·8	71·0	+0·3	79·1	−0·3	16·2	92·4	12th	69·3	1st & 15th.	23·1
	Salem	940	28·879	−·037	29·761	28·965	10th	28·797	24th	·168	78·7	93·9	+0·8	74·4	+1·4	84·2	+1·1	19·5	99·2	7th	72·4	7th, 9th & 27th.	26·8
	Cuddalore	37	29·741	−·019	29·706	29·826	10th	29·640	25th	·186	83·7	96·5	+0·6	79·2	+1·5	87·9	+1·1	17·3	101·1	3rd & 4th.	72·7	7th	28·4
	Vellore	707	29·069		29·712	29·154	10th	28·944	25th	·210	81·2‡	94·2‡		76·3		85·2‡		17·9	99·7	7th	70·7	9th	29·0
	Madras	22	29·741	−·025	29·693	29·845	10th	29·611	25th	·234	83·7	95·8	+0·1	78·9	+0·2	87·4	+0·2	16·9	100·5	15th	75·0	18th	25·5
33	Cuddapah	453	29·333	−·013	29·703	29·423	10th	29·199	25th	·224	82·2	95·7	+0·4	77·3	−0·7	86·5	−0·2	18·4	101·2	7th	69·6	1st	31·6
	Bellary	1,475	28·289	−·019	29·711	28·393	9th	28·169	25th	·214	77·9	90·5	−0·4	74·6	0	82·6	−0·2	15·9	97·0	7th	70·2	9th & 10th.	26·8
	Kurnool	923	28·818	−·024	29·688	29·921	9th	28·688	24th	·233	78·7	91·3	−0·1	75·3	+0·6	83·3	+0·3	16·0	97·7	12th	70·6	14th	27·1
34	Nellore	61	29·682	−·002	29·676	29·801	10th	29·562	24th	·239	83·9	96·2	−0·9	77·6	−2·0	86·9	−1·5	18·6	101·8	5th	74·1	5th & 17th.	27·7
	Masulipatam	15	29·705	+·003	29·654	29·841	10th	29·561	25th	·280	83·2	92·4	−0·3	78·6	+0·5	85·4	+0·1	13·8	99·6	7th	73·1	15th	26·5
	Cocanada	26	29·669	+·012	29·631	29·833	10th	29·518	25th	·315	82·2	90·5	−1·2	78·8	−0·5	84·7	−0·9	11·7	98·6	7th	73·5	4th	25·1
	Waltair (Visag.)	*226*	29·427	−·002	29·593	29·620	10th	29·260	25th	·360	82·2	88·3	P	78·2	P	83·3	P	10·1	93·9	2nd	73·9	3rd	20·0
	Calingapatam	19	29·627		29·587	29·826	10th	29·467	25th	·359	P	P		?		?		?	P		P		P
	Gopalpur	72	29·564	P	29·577	29·765	10th	29·421	26th	·344	86·4	87·4	0	79·8	+0·6	83·6	+0·3	7·6	91·2	11th	78·0	22nd	13·2

* Mean of 28 days.

§ Observations of 24 days.

‡ Mean of 30 days.

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

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

B—*continued.*

in India, etc., in July, 1907—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, 1907.	Normal rainfall for period, 1st May to 31st July.	Departure from normal of period, 1st May to 31st July, 1907.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																XII.—Hyderabad.
1						5	23	2	S 86° W		13·9 †			92		83		·728		8·3		17	11·60	+5·40	6·25	6·58	—0·33	10·24	12·27	— 1·93	0·88	Aurangabad.
1	1	1				10	9	2	S 77° W		7·1			71		80		·774		5·1		10	15·70	—5·70	6·56	10·53	—3·97	9·85	15·46	— 5·61	1·95	Nizamabad.§
		1	1		3	12	11	3	S 66° W		7·6			71		82		·705		6·2		8	12·60	—4·60	6·35	8·80	— 2·45	11·41	15·54	— 4·13	1·72	Bidar.
3	1				1	7	15	4	S 85° W	S 84° W	9·7	15·8	—6·1	76	— 5	79	0	·706	—·012	5·7	—2·5	13	9·10	+3·90	9·72	5·31	+ 4·41	14·39	12 18	+ 2·21	3·14	Gulbarga.
2						27	1	1	S 48° W	S 50° W	10·9	14·9	—4·0	89	+20	76	+ 1	·726	+·013	7·6	+1·0	8	9·20	—1·20	7·34	5·53	+ 1·81	11·61	9·37	+ 2·24	3·43	Raichur.
12							19		W	N 85° W	5·1	9·9	—4·5	61	—31	77	— 1	·697	—·011	7·9	+0·4	7			3·21	6·73	— 3·52	8·55	12·09	— 3·54	1·28	Hyderabad (Deccan).
2	1				4	10	12	2	S 67° W		8·7			72		71		·728		7·6		11	12·50	—1·50	5·27			16·31			1·53	Hanumkonda.
																																XIII.—Mysore.
2						12	14	3	S 75° W	S 72° W	8·6	11·6	—3·0	86	— 7	84	+ 2	·666	+·067	8·3	—1·0	11	2·60	+2·40	3·64	2·79	+ 0·85	6·19	10·33	— 4·14	0·96	Chitaldroog.
4		1			1	8	13	4	S 82° W	S 87° W	3·5	5·0	—1·5	68	—21	87	+ 2	·655	+·032	9·0	+0·5	15	12·60	+2·40	6·21	3·85	+ 2·36	13·65	14·03	— 0·38	1·13	Hassan.
						13	17	1	S 72° W	S 66° W	10·1	9·6	+0·5	92	+ 2	86	+ 2	·636	+·017	8·1	—0·1	7	8·20	—1·20	8·10	4·06	+ 4·04	14·48	11·33	+ 3·15	3·67	Bangalore.
	1				1	15	13	1	S 68° W	S 67° W	12·4	14·4	—2·0	86	— 4	81	— 1	·637	+·005	8·6	+0·1	6	7·30	—1·30	1·74	2·32	— 0·58	7·69	9·50	— 1·81	0·45	Mysore.
																																XIV.—Madras.
7	1	2	8			1	7	5	N 19° W	N 76° W	5·8 †	3·1	+2·7	20	—20	91	0	·873	+·012	8·1	—0·9	25	27·80	—2·80	34·66	36·03	— 1·37	65·87	78·91	—13·04	4·22	Mangalore.
8	3	1	5	3		4	4	3	N 50° W	N 11° W	7·3	7·9	—0·6	3	—19	92	+ 1	·851	+·019	8·8	+0·2	25	26·20	—1·20	28·07	29·05	— 0·98	78·65	72·44	+ 6·21	4·30	Calicut.
1		5	4	2	5	4	5	5	S 47° W	N 24° W	7·4 †	6·3	+1·1	10	—22	87	— 1	·891	+·056	8·1	—0·2	24	23·40	+0·60	27·52	21·21	+ 6·31	63·80	62·59	+ 1·21	4·41	Cochin.
2	9						2	18	N 34° W	N 18° W	7·1 †	9·0	—1·9	86	+ 7	86	— 2	·796	—·015	8·9	+0·4	16	13·10	+2·90	8·50	6·86	+ 1·64	35·18	28·36	+ 6·82	1·78	Trivandrum.
1	1	1				3	13	12	N 71° W	N 72° W	7·4	9·2	—1·9	79	— 2	76	+17	·904	?	7·6	+0·8	1	0·60	+0·40	0·41	0·27	+ 0·14	2·74	2·20	+ 0·54	0·32	Tinnevelly.
5				5		16	3	2	S 43° W	S 51° W	13·0	12·0	+1·0	56	—19	78		·888		3·5		0	0·60	—0·60	0	0·17	— 0·17	1·43	0·84	+ 0·59	0	Pamban.
	2					4	12	13	N 71° W	N 59° W	11·0	3·8	+7·2	82	+17	68	+ 4	·755	+·030	6·8	+1·6	4	3·00	+1·00	3·78	2·06	+ 1·72	7·06	5·96	+ 1·10	3·00	Madura.
28	1	1	2					1	N 45° E		3·4 **			10		69		·670		6·4		6	1·90	+4·10	2·72	0·69	+ 2·03	7·97	4·47	+ 3·50	0·91	Periyakulam.
2	2	2				5	7	7	N 70° W		10·4			48		66		·751		7·5		3			1·76			5·51			1·10	Pudukkottai.
						7	24		S 80° W	S 77° W	8·4 †	7·4	+1·0	96	+13	66	— 1	·756	—·021	4·2	—1·6	2	3·50	—1·50	1·79	1·88	— 0·09	3·28	4·99	— 1·71	1·57	Negapatam.
5						10	15	1	S 74° W	S 86° W	8·2 †	9·8	—1·6	79	— 8	70	+ 8	·784	+·086	6·2	—0·8	3	1·90	+1·10	3·23	1·31	+ 2·02	8·25	5·75	+ 2·50	1·91	Trichinopoly.
					4	19	8		S 50° W	S 49° W	10·0	7·2	+2·7	89	+10	79	— 5	·696	—·052	5·7	—0·8	4	3·70	+0·30	0·82	1·23	— 0·41	6·28	5·16	+ 1·12	0·37	Coimbatore.
1						22	5	2	S 57° W	S 25° W	6·0	4·7	+1·3	92	+19	77	— 1	·764	—·002	6·7	+0·2	3	7·00	—4·00	2·28	3·48	— 1·20	6·33	11·46	— 5·13	1·08	Salem.
1	1				6	16	7		S 48° W	S 76° W	7·6	2·4	+5·2	76	+ 4	67	—10	·783	—·089?	5·8	—0·7	4	5·50	—1·50	1·55	3·53	— 1·98	2·92	5·81	— 2·88	0·32	Cuddalore.
4		6	1	4		2	5	8	N 45° W		5·0 †			27		74‡		·789‡		5·4		10	6·30	+3·70	6·48	3·58	+ 2·90	8·09	9·22	— 1·13	2·05	Vellore.
1		1			7	10	11	1	S 55° W	S 72° W	7·4 †	7·9	—0·5	72	—12	71	+ 2	·827	+·035	6·5	—0·9	7	12·70	—5·70	2·85	4·02	— 1·17	5·60	7·13	— 1·53	1·20	Madras.
		1				10	10	10	N 88° W	S 88° W				76	— 3	70	+ 2	·768	+·015	7·7	—0·1	7	6·20	+0·80	2·82	3·72	+ 0·10	5·08	8·87	— 3·79	0·87	Cuddapah.
5	1					3	17	5	N 84° W	S 87° W	7·7 †	11·9	—4·2	76	—14	68	+ 3	·649	+·002	7·3	—0·9	6	3·70	+2·30	3·03	1·68	+ 1·35	6·80	5·44	+ 1·36	1·42	Bellary.
3					2	17	4	5	S 62° W	S 87° W	11·4 †			69	— 3	76	+ 4	·737	+·017	7·5	—0·6	5	9·30	—4·30	2·88	4·95	— 2·07	5·61	9·26	— 3·65	1·27	Kurnool.
			1	7	11	9	3		N 54° W	N 78° W	7·4 †	10·0	—12·6	72	0	72	+ 4	·838	+·030	6·8	—0·8	6	4·80	+1·20	4·95	2·84	+ 2·11	5·29	4·43	+ 0·86	1·60	Nellore.
16					1	1	7	6	N 78° W	N 69° W	8·5	8·7	—0·2	40	—42	75	— 4	·850	—·022	8·0	0	8	9·40	—1·40	6·21	5·65	+ 0·56	12·39	11·75	+ 0·64	2·10	Masulipatam.
5				1		19	5	1	N 54° W	S 74° W	5·5	8·4	—2·9	72	—12	83	+ 6	·923	+·089	7·5	—0·5	7	9·90	—2·90	5·36	5·91	— 0·58	24·96	11·63	+13·33	1·53	Cocanada.
3						24	4		S 55° W	S 75° W	11·9			89	+ 9	78	+ 2	·850	—·017	7·8	—0·5	7	7·70	—0·70	2·25	4·53	— 2·28	7·53	10·83	— 3·30	0·70	Waltair (Vizagapatam).
					4	13	11	3	S 63° W					79						5·1‡		3			1·09			9·19			0·64	Calingapatam.
		3				11	14	1	2	S 37° W	S 49° W	11·3 ¶	12	- 1·4	66	+ 1	81	—4	·916	—·014	5·4	—2·9	4	9·40	- 5·40	0·82	7·75	— 6·93	8·51	15·99	— 7·48	0·23	Gopalpur.

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

** Mean of 2½ day. ‡ Mean of 30 days. § Observations of 25 days.

† Uncorrected reading. ¶ „ 18 „

Table

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

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
	Stations in the Bay.																						
1	P. V. Fraser[oo]	*8*	P		P	P		P	P	P	83·7												
	Car Nicobar	25	29·835		29·788	29·944	7th	29·728	25th	·216	80·9	85·6		76·3		81·0		9·3	88·9	2nd	73·4	21st	15·5
	Port Blair	61	29·765	+·001	29·757	29·879	10th	29·680	26th	·199	79·9	84·4	−1·0	76·8	−0·6	80·6	−0·8	7·6	87·7	3rd	71·5	24th	16·2
	Slipper Island	90	29·672?		29·695?	29·803	10th	29·578	24th	·225	80·5	85·8		76·7		81·3		9·1	88·1	10th & 17th.	72·6	31st	15·5
	Kashmir.																						
14	Srinagar	5,204	24·716	+·049	24·687	24·883	10th	24·557	21st	·326	67·5	83·0	−1·9	59·6	−5·0	71·3	−3·5	23·4	91·8	18th	52·2	3rd	39·6
	Gulmarg	*8,569*	21·789		21·757	21·904	15th	21·663	21st	·241	57·7	67·3		45·6		56·5		21·7	77·1	21st	37·3	2nd	39·8
	Sonemarg	*8,764*	21·750		21·718	21·836	16th	21·663	29th	·173	50·9	68·3		42·6		55·5		25·7	75·4	28th	34·1	24th	41·3
	Dras	*10,059*	20·737		20·705	20·858	15th	20·62	23rd	·233	58·0	76·3		44·1		60·2		32·2	84·9	28th	35·6	3rd	49·3
	Leh	11,503	19·658	+·015	19·626	19·764	15th	19·549	23rd	·215	55·6	71·8	−6·4	45·9	−4·7	58·9	−5·6	25·9	80·7	29th	38·9	2nd & 3rd.	41·8
	Skardu	*7,505*	22·728		22·698	22·856	11th & 15th.	22·578	29th	·278	66·5	80·5*		56·6		68·2*		23·9	91·5	23rd	45·7	8th	45·8
	Mirimarg	*9,359*						Observation not available.															
	Astor	*7,955*						Ditto.															
	Gilghit	4,890	24·927		24·900	25·115	3rd	24·732	23rd	·383	77·5	92·6	−4·0	62·2	−5·1	80·4	−4·6	24·4	105·2	29th	55·7	3rd	49·5
	Baluchistan.																						
16	Quetta	5,502	24·381	−·037	24·347	24·449	26th	24·346	20th	·103	78·4	94·8	+1·8	65·8	+1·2	80·3	+1·5	29·0	96·6	21st & 22nd.	61·8	18th	34·8
	Chaman	4,311	25·460	+·021	25·422	25·591	15th	25·341	24th	·250	80·8	98·4	P	70·5	−4·6	84·5	P	27·9	104·8	22nd	61·3	2nd	43·5
	Robat		28·633		28·592	28·771	15th	28·505	25th	·266	87·9	99·6		80·0		89·8		19·6	103·0	21st & 27th.	71·7	1st	31·3
	Hill Stations excluding Kashmir and Baluchistan.																						
	Chitral	*5,486*									73·4	95·3		62·3		78·8		23·0	104·0	30th	58·0	3rd	51·0
	Para Chitral	6,900	24·221		24·188	24·373	6th	24·088	21st	·285	75·0	85·2		64·0		74·6		21·2	94·9	20th	54·2	2nd	40·7
	Cherat	*4,956*	25·462††	−·020	25·430††	25·588	15th	25·326	19th	·262	77·2	91·1	+2·5	72·0	+1·3	81·6	+1·9	19·1	102·1	19th	59·5	23rd	42·6
	Murree	6,333	23·721	+·017	23·689	23·836	10th	23·613	19th	·223	70·2	79·3	+2·3	63·4	+0·9	71·4	+1·6	15·9	91·6	18th & 19th.	53·5	23rd	38·1
	Kailang	*10,037*	20·865§		20·840§	20·990	15th	20·789	31st	·201	55·2	71·3	−2·6	46·0	−5·1	58·7	−3·9	25·3	78·5	17th	39·7	2nd	38·8
	Simla	7,224	22·983	+·009	22·945	23·090	10th	22·892	24th	·198	64·6	72·2	+3·0	60·6	+6·5	66·4	+1·8	11·6	79·5	19th	53·1	9th	26·4
	Sarahn		23·020			23·136	10th	22·928	19th	·208	65·8	73·5		57·0		65·3		16·5	80·5	18th	51·1	3rd	29·4
	Kalabagh		20·073			20·177	15th	19·986	23rd	·191	51·4	56·7		46·8		51·8		9·9	60·4	2nd & 18th.	43·7	20th	16·7
	Chakrata	7,022	23·150	+·008	23·110	23·268	10th.	23·056	19th	·210	65·8	74·0	+4·1	60·6	+0·4	67·3	+2·3	13·4	82·5	7th	54·7	25th	27·8
	Mukteser	7,556	22·741		22·700	22·850	10th	22·612	19th	·208	62·6	72·5		59·2		65·9		13·2	80·5	15th	55·4	25th	25·1
	Darjeeling	7,376	22·908	−·011	22·863	23·005	15th	22·851	1st	·154	61·3	66·8	+0·8	57·3	−0·4	62·1	+0·2	9·5	70·2	25th, 28th & 30th.	55·1	13th & 21st.	15·1
	Shillong	4,920	24·974		24·926	25·085	10th	24·910	30th	·175	64·8	75·3		64·5		69·9		10·8	79·4	15th	61·7	16th	17·7
	Cherra Poonjee	4,309	25·525		25·476	25·637	10th	25·420	24th	·217	66·2	70·4		64·8		67·6		5·6	76·2	30th	62·3	12th & 13th.	13·9
	Maymyo	3,545	26·306		26·251	26·411	10th	26·232	30th	·179	71·6	77·3		68·0		72·7		9·3	81·7	13th	65·6	9th	16·1
	Pachmarhi	3,598	26·229	+·010	26·176	26·396	10th	26·074	24th	·322	73·4	82·2	+6·4	70·1	+2·1	76·2	+4·3	12·1	90·2	5th	65·2	28th	25·0
	Mount Abu	3,945	25·843	+·027	25·793	26·003	10th	25·721	25th	·282	70·7	80·9	+5·6	67·7	+2·0	73·9	+3·8	12·3	85·2	5th & 15th.	63·4	25th	21·8
	Mercara	3,781	26·142	−·025	26·075	26·204	10th	26·066	25th	·138	64·5	69·9	+1·0	62·4	+0·2	66·2	+0·6	7·5	79·5	15th	60·6	17th	18·9
	Ootacamund	*7,329*	22·981		22·917	23·047	10th	22·909	24th	·138	57·5	63·0		53·1		58·1		9·9	68·5	6th & 14th.	49·7	8th	18·8
	Kodaikanal	7,633	23·756		23·691	23·823	10th	22·673	25th	·150	56·8	62·5		52·7		57·6		9·8	67·0	12th & 14th.	49·5	30th	17·5

* Mean of 21 days. †† Mean of 20 days. § ,, 28 ,,

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

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

B—*continued.*

in India, etc., in July, 1907—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 1907.	Normal rainfall for period, 1st May to 31st July.	Departure from normal of period, 1st May to 31st July, 1907.	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
																																Stations in the Bay.
					2	9			S 37° W		11·0†			91		90		1·033		7·4		4			3·41			11·14			2·45	** P.V.Fraser¶
					3	22	2		S 43° W		3·1			79		88		·933		9·9		17			14·39			44·30			2·60	Car Nicobar.
4																																
3					2	14	10	2	S 64° W	S 61° W	8·8‡	11·6	−2·8	76	− 5	87	0	·882	− ·045	8·3	−0·2	20			17·48	15·68	+ 1·80	53·76	51·42	+ 2·34	2·96	Port Blair.
	1				7	20	3		S 40° W		2·2			86		90		·941		8·4		17			10·96			21·24			1·86	Slipper Island.
																																Kashmir.
6	3	2	3	5	7	1	2	2	S 36° E	S 48° E	3·5	3·9	−0·4	23	+ 1	79	− 6	·531	−·108	3·7	−0·9	7	5·30	+1·70	2·00	2·97	− 0·97	7·59	7·36	+ 0·23	0·60	Srinagar.
10		11	4	2		2	1	1	N 65° E		5·9			40		81		·391		3·8		7			2·43			9·88			0·58	Gulmarg.
18	3	7	2				1		N 37° E		3·2			33		88		·331		4·0		5			1·89			11·72			0·77	Sonemarg.
28				2		1			S 18° E		5·9			7		62		·304		2·8		1	0·90	+0·10	0·44	0·48	− 0·04	2·96	4·01	− 1·05	0·31	Dras.
28						1	2		S 75° W	S 85° W	2·5†	2·1	+0·4	10	−33	48	− 4	·218	−·037	3·8	−0·4	0	1·20	−1·20	0·09	0·40	− 0·31	0·21	0·79	− 0·58	0·09	Leh.
21	2	8		2	2			1	N 56° E		7·2			10		41		·261		4·0		0	0·70	−0·70	0·05	0·32	− 0·27	2·19	1·76	+ 0·43	0·04	Skardu.
																	Observation not available															Minimarg.
																	Ditto															Astor.
28				2		1	1	1	S 38° W		3·4			3		39	− 7	·352	−·099	4·4	+0·3	1	2·00	−1·00	0·23	0·84	− 0·61	2·57	1·76	+ 0·81	0·12	Gilgit.
																																Baluchistan.
14									(a)	S 6° W	0·2	3·3	−3·1	(a)		52	− 5	·489	−·048	0·4	−0·7	0	0·60	−0·60	0	0·98	− 0·98	0·73	1·57	− 0·84	0	Quetta‡‡.
7	3	4	8	5	2			1	N 86° E	S 33° W	8·9	9·4	−0·5	43	−17	52	+18	·558	+·130	0·1	−0·5	0	0·30	−0·30	0	0·14	− 0·14	0	0·28	− 0·28	0	Chaman.
23		1				1		1	N 45° W		3·5†			3		54‡		·723‡		0		0			0			0			0	Robat.
																																Hill stations excluding Kashmir and Baluchistan.
									N 45° E		7·3			3		53		·432		0·5		0			0			2·77			0	Chitral.
30		1																														
20				2	2	3	3	1	S 39° W		4·8			23		48		·413		2·4		3	7·80	−4·80	0·70	3·81	− 3·11	7·21	7·26	− 0·05	0·28	Para Chinar.
5	7			5	7		1	6	N 66° W	S 18° E	8·2	9·1	−0·9	7	−25	53	−19	·470	−·163	2·9	−1·3	4			0·92	4·88	− 3·96	2·40	6·22	− 4·42	0·34	Cherat.
8	6	1	3	2	5	1	1	4	N 15° E	S 86° E	7·8	6·1	+1·7	7	+ 2	56	−21	·399	−·118	3·2	−1·5	8	16·20	−8·20	4·86	11·85	− 6·99	14·07	18·34	− 4·27	1·67	Murree.
	2	3	6	4	1	4	6	4	N 74° W		2·2†	2·1	+0·1	55		67		·296		4·6		3			1·13	1·30	− 0·17	2·88	5·22	− 2·34	0·55	Kailang.(c
2	15			2	6	1		5	N 15° W	N 31° E	4·4	3·6	+0·8	33	+14	68	−20	·408	−·104	5·2	−3·2	13	18·90	−5·90	8·33	16·24	− 8·51	10·75	27·75	−17·00	2·04	Simla.
22	1				6	1	1		S 18° W		2·7			20		65		·399		5·4		16			13·28			15·01 (b)			3·19	Sarain.
8	1		2	8	9		1	2	S 23° E		9·2			13		75		·287		5·8		17			18·14			19·38			4·38	Kalabagh.
16	2			6	6			1	S 26° E	S 48° W	8·6	6·2	+2·4	30	+19	71	−20	·447	−·090	5·8	−0·1	12	19·80	−7·80	12·66	20·07	− 7·41	16·92	31·27	−14·35	2·60	Chakrata.
13		1	3	1			13		W		8·6			28		79		·444		5·9		14			14·77			19·72			6·28	Muktesar.
9	1	6	3	1	3	5	3		S 34° E	S 83° E	3·9	3·6	+0·3	7	−23	96	− 1	·522	−·002	9·4	−0·2	26	22·94	+3·06	23·40	33·50	−10·10	54·73	66·05	−11·32	2·82	Darjeeling.
29					2				S		4·7			6		88		·603		8·5		23	18·00	+5·00	14·62	13·19	+ 1·44	36·62	39·21	− 2·59	1·84	Shillong.
6		2	1	3	7	10	2		S 17° W		4·9			53		99		·645		9·2		31	27·30	+3·70	122·38	96·70	+25·68	229·26	248·19	−18·93	11·55	Cherra Poonjee.
23				1	2	5			S 25° W		2·3			23		88		·681		8·9		7	12·10	−5·10	2·43	7·97	− 5·54	15·47	25·57	−10·10	0·88	Maymyo.
							8	15	W	S 85° W	9·8	10·8	−1·0	85	+10	81‡	− 9	·675‡	+·010	7·7	−1·1	11	22·00	−11·00	7·83	25·11	−17·28	12·44	36·53	−24·09	1·87	Pachmarhi.
		1				5	12	8	S 66° W	S 55° W	9·7	11·5	−1·2	72	+ 4	83	−13	·627	−·018	7·3	−1·7	14	17·60	−3·60	8·53	23·23	−14·70	12·39	30·43	−18·04	1·91	Mount Abu.
2	1	1					4	14	N 79° W	N 84° W	6·6	9·8	−3·2	72	−18	98	+ 2	·604	+·017	9·2	+0·4	25	29·10	−4·10	44·34	40·35	+ 3·99	65·69	73·48	− 7·79	6·94	Mercara.
3	1	1		3	1	9	15	3	S 83° W		6·9			56		84		·403		8·2		17	12·30	+4·70	7·07	5·94	+ 1·13	17·46	18·05	− 0·59	1·16	Ootacamund
	1		1	2			14	13	N 67° W		16·2†			76		84		·491		6·7		13	8·40	+4·60	3·90	3·89	+ 0·01	11·21	14·37	− 3·16	0·78	Kodaikanal.

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

* ** Observations of 12 days.
†† .. 14 ..
¶ Wind direction of 11 days.

(a) Indeterminate.
(b) Rainfall since 1st June.
(c) Wind observation 1 less.

‡ Mean of 30 days.

† Uncorrected reading.

Table

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

Number of subdivision.	Station.	Elevation of bar cistern above sea-level in feet.	Pressure 8 hrs. in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	XIII.—Extra India.																						
	Singapore (*a*)	10	29·914		29·845	29·978	11th	29·855	26th	·123	83·4	88·0		73·8		80·9		14·2	91·0	22nd	71·8	23rd & 24th.	19·2
	Penang(*a*)	20	29·907		29·852	29·931	1st, 10th & 16th	29·832	27th	·099	82·9	89·2		73·6		81·4		15·6	91·0	5 days	72·0	5 days	19·0
	Trincomalee	12	29·819	?	29·757	29·889	10th	29·746	25th	·143	79·3**	89·3	−2·3	77·0	−0·6	83·2	−1·5	12·3	94·0	7th	72·0	8th	22·0
	Colombo	40	29·836	−·039	29·802	29·897	29th	29·764	25th	·133	79·5	85·4	0	77·0	−0·6	81·2	−0·3	8·4	88·0	1st	72·0	13th	16·0
	Minicoy	7	29·894		29·827	29·947	29th	29·817	25th	·130	81·6	86·1	+0·9						87·9	7th			
	Amini Divi	*13*	29·841	−·027	29·782	29·917	10th	29·776	18th	·141	81·5	85·6	+0·7	77·2	−0·3	81·4	+0·2	8·4	89·7	8th	72·1	15th	17·6
	Gyantse	13,120	18·462			18·531	15th	18·417	1st	·114	56·1	74·8		47·6		61·2		27·2	82·3	15th	42·0	10th	40·3
	Pharijong	14,400	17·880†			17·966	4th	17·765	7th	·201	46·5	56·9		40·1		48·5		16·8	58·7	8th, & 22nd.	36·4	16th	22·3
	Gangtok	5,660?	24·338§†			24·494	13th	24·255	23rd	·239	66·9	74·8		58·9		66·8		15·9	78·2	22nd, 27th & 31st.	50·3	28th	27·9
	Gartok	15,100?						Observa	tory	not	opene	d.											
	Kashgar (*c*)	4,255	25·399			25·620	10th	25·310	5 days.	·310	76·0	90·4	−1·1	64·2	−4·4	77·3	−2·8	26·2	99·5	31st	57·3	4th	42·2
	Kabul		24·135		24·104	24·261	10th	24·027	24th	·234	78·9	91·9	−0·4	58·5	−3·1	75·2	−1·8	33·4	99·1	31st	52·4	1st	46·7
	Meshed	3,104	26·635			26·745	8th	26·477	31st	·268	79·3	93·2		59·2	−6·3	76·2		34·0	98·0	23rd	52·8	13th	45·2
	Jask	13	29·532	+·002	29·502	29·673	14th	29·393	22nd	·280	90·1	95·4	−0·4	85·5	+0·7	90·5	+0·2	9·9	104·2	2nd	80·8	2nd	23·4
	Muscat	20	29·531	+·015	29·499	29·706	11th	29·397	31st	·309	89·2	95·5	+4·1	66·4	−1·1	91·0	+1·5	9·1	102·8	5th	80·1	9th	22·7
	Bahrein§§	18	29·586		29·555	29·719	15th	29·452	31st	·267	93·7	96·9		86·3		91·6		10·6	100·7	18th	81·2	1st	19·5
	Bushire	14	29·491	+·010	29·464	29·644	16th	29·348	28th	·296	89·4	95·1	−0·2	84·4	+0·1	89·8	−0·1	10·7	102·5	6th	75·5	12th	27·0
	Busrah	25	29·543		29·528	29·687	3rd	29·352	23rd	·335	84·7	101·1		77·3		89·2		23·8	105·4	18th	70·7	7th	34·7
	Ispahan (*b*)	*5,817*	24·245			24·390	16th	24·180	1st 22nd, & 30th.	·210	81·2	95·8	−2·5	65·3	−0·9	80·6	−1·7	30·5	98·5	19th&31st	61·2	1st	37·3
	Tehran (*b*)	*4,009*	25·596			25·750	8th	25·450	31st	·300	80·0	99·0	+0·6	6·92	−3·0	84·1	−1·2	29·8	102·7	18th&20th	60·1	1st	42·6
	Baghdad‖	220	29·468	+·023	29·657	29·600	3rd	29·316	25th	·284	87·3	109·2§	+2·0§	80·8§	+1·4§	95·0§	+1·7	28·4	115·4	8th	76·6	3rd	38·8
	Beirut				29·745						81·3	88·7		73·4		81·1		15·3	90·8	28th	70·5	3rd&18th	20·3
	Aden	94	29·627	+·007	29·652	29·751	6th	29·535	13th	·216	86·3	93·6	+0·5	82·5	+0·2	88·1	+0·4	11·1	96·3	9th	76·9	31st	19·4
	Perim	201	29·643?	+·124?	29·781?	29·687?	14th	29·622?	29th	·065?	91·8	95·4	−1·1	85·1	+1·7	90·2	+0·3	10·3	98·5	26th	83·0	8th	15·5
	Zanzibar	72	30·101	+·002	30·100	30·169	11th	30·047	18th	·122	73·9	80·5	+0·3	72·5	−0·2	76·5	+0·1	8·0	86·7	20th	71·3	10th & 12th.	15·4
	Do. Dunga	*154*	29·974		30·059	30·187	11th	29·867	14th	·320	73·7	83·1							96·5	25th			

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

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

** Mean of 6 days.
(*a*) 9 hrs. observations
(*b*) Aneroid uncorrected.
(*c*) „ corrected.
* Mean of 30 days.
‡ Uncorrected reading.
†† Mean of 28 days.
§† Mean of 20 days.
§§ Observations of 29 days.
‖ „ „ 30 „

-concluded.

237 stations in India, etc., in July 1907—concluded.

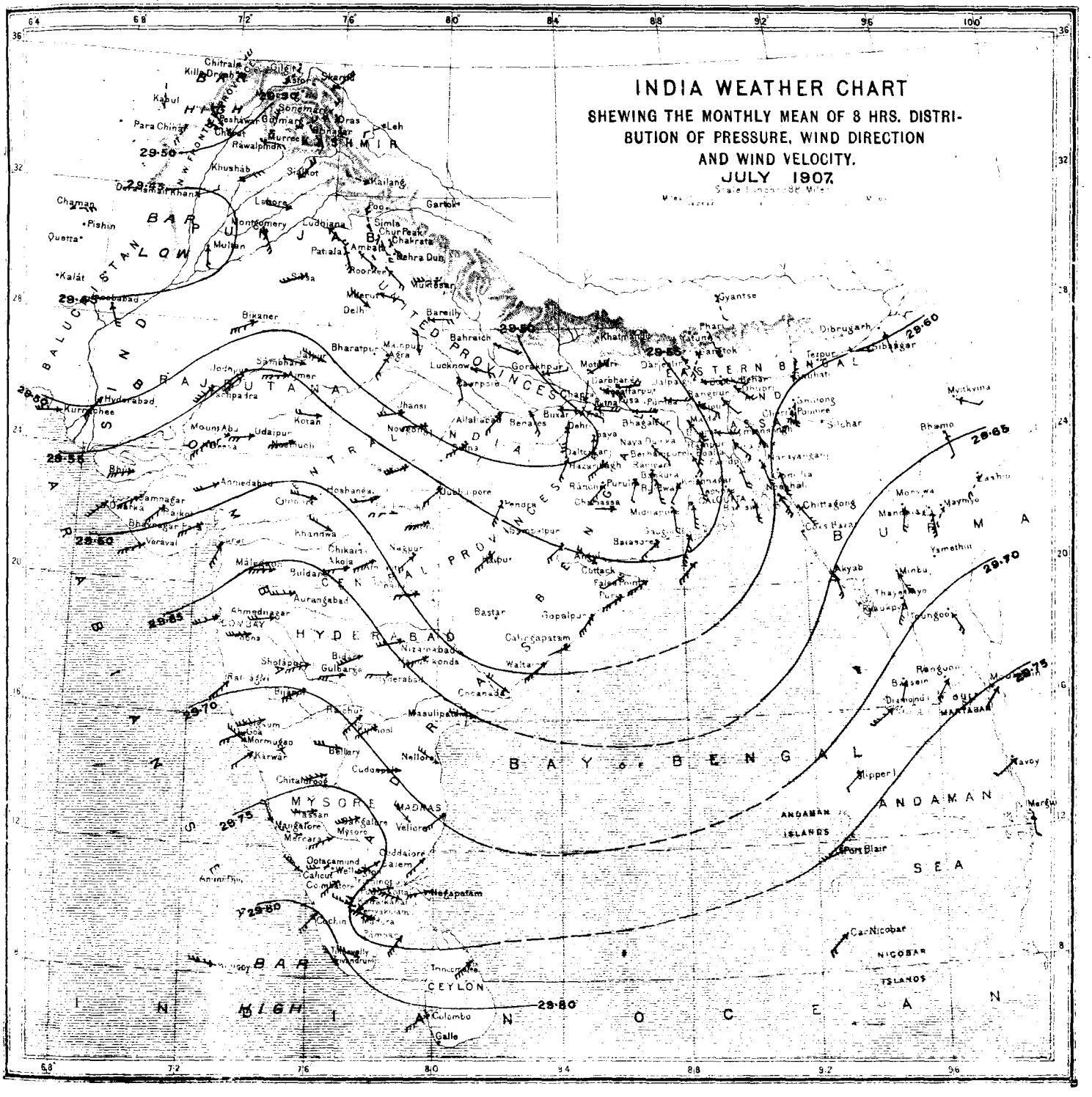
Wind direction. Number of winds from N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction	Wind velocity. Mean velocity miles per hr.	Normal.	Departure from normal.	Wind steadiness. Actual percentage.	Departure from normal.	Hygrometry 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean 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 1907.	Normal rainfall for period, 1st May to 31st July.	Departure from normal of period 1st May to 31st July 1907.	Heaviest rainfall during month.	Station.
26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																															Extra India.
2	1	3	13	1	1	9		S 21° E		6·1†			27						5·8		12			12·20			25·26			3·86	Singapore. (a)
11	6	1	4		1	1	7	N 5° E		9·9†			56						2·8		11			8·01			18·13			2·76	Penang. (a)
					28	1		S 47° W	S 45° W	9·3‡	16·3	−7·0	56	− 4	83*		·834*	−·033	2·6	−0·4	3			3·40	1·97	+ 1·43	6·67	5·94	+ 0·73	1·70	Trincomalee‡‡
				1	19	11		S 60° W	S 65° E	8·1*	9·3	−1·2	89	+ 6	87	+ 8	·884	+·032	7·8	+1·6	7			8·90	4·83	+ 4·07	21·05	24·18	− 3·13	6·33	Colombo.
					3	18	8	N 77° W	N 87° W	13·6	17·0	−3·4	89	+ 2	84	+ 2	·909	+·036	7·5	+1·3	15			7·85	6·66	+ 1·19	20·29	21·65	− 1·37	1·44	Minicoy.
2																															
2						19	9	S 81° W					81		82		·885		8·2		17			19·10	9·91	+ 9·19		27·15		7·10	Amini Divi.
													82		60		·270		0		3			1·42			2·14			0·59	Gyantse.
			17	7	7			S 16° E		2·6			39		82		·259		7·1		11			3·16			11·66			0·41	Pharijong.
			7	5	2			S 20° E		8·3			13		92		·611		3·2		28			24·86			64·99			3·40	Gangtok.¶
				2	1			S 18° W		1·1						Observatory		not op	ened.												Gartok.
						1	5	N 51° W	N 52° W	7·0	4·9	+2·1	23	+16	42	−1	37½	−·037	1·7	−1·7	2			0·80	0·29	+0·51	0·90	1·48	−0·58	0·60	Kashgar.
10	9		1	2	1	2	6	N 1° E	S 68° E				55	+52	39		·380		0·2	0	0			0	0·20	−0·20	0·27	0·95	− 0·68	0	Kabul.
															44		·444		0·2	−0·3	0			0	0·01	−0·01	1·26	0·98	+ 1·28	0	Meshed.
1		16	10			1	1	S 76° E	S 66° E	12·2	15·2	− 3·0	69	+12	73	+1	1·047	+·018	4·6	+2·9	0			0	0·02	−0·02	0	0·13	− 0·13	0	Jask.
2			8				1	S 58° E	N 72° E	3·5††	4·6	−1·1	20	−26	76	0	1·052	+·021	3·2	+0·7	0			0	0·04	−0·04	0	0·40	− 0·40	0	Muscat.
5		2	1			4	17	N 39° W		7·6			65		67		1·058				0			0			0·50			0	Bahrein. §§
4	1		2	1	1	2	16	N 42° W	N 37° W	11·4**	5·5	+2·9	56	+12	79*	+15	1·090*	+·174	0·9	−1·0	0			0	0	0	0·02	0	+ 0·02	0	Bushire.
22								N		8·1			71		66		·796		0·4		0			0			0·27			0	Busrah.
						1		W	N 49° W	2·0	3·6	−1·6	3	−29	57	+8	·673	+·147			0			0	0·06	−0·06	0·59	0·17	+ 0·42	0	Ispahan
5	16	3	3	1	3			N 52° E	S 44° W	3·4	2·3	+1·1	56	+35	61	+26	·619	+·223	1·1	+0·1	0			0	0·41	−0·41	1·13	0·78	+0·35	0	Tehran.
7							16	N 31° W	N 11° W	4·8§	4·6	+0·2	69	− 5	37	−5	·477	−·104	0	0	0			0	0	0	0·79	0·24	+ 0·55	0	Baghdad.‖
			1		30			S 43° W					96		68		·731		1·7		0			0			2·77			0	Beirut.
		6		12	2	7	1	S 34° E	S 12° W	10·9	10·6	+0·3	40	−12	71	0	·901	+·023	2·9	−0·8	0			0	0·03	−0·03	0	0·23	− 0·23	0	Aden.
1	5	4	4	2	8	6	1	S 22° W	S 86° W	18·8	15·3	+3·5	20	−27	63	−2	·934	+·048		−3·6	0			0	0·03	−0·03	0	0·40	−0·40	0	Perim.
			1	17	13			S 15° W	S 15° W	10·5	8·2	+2·3	96	+ 6	81	−4	·682	−·031	4·9	−1·1	2			0·38	2·74	−2·36	8·43	14·43	− 6·00	0·17	Zanzibar.
			1	5	23	2		S 39° W		8·5			89		87		·724		6·8		6			1·95			12·89			0·57	Do. Dunga.

† Mean of 28 days.

§ Mean of 29 days.

¶ Wind Observations of 24 days.
‡‡ " " of 30 days.

Table C.—Abstract of observations taken at 8 hrs. at 26 fourth class stations in India, etc., in July 1907.



LITHO. BY N.L. HALDER.

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 ,, ,, ,, ,, ,,

1909 E., 18.—Dir. Genl., Observatories.—May '08.—2,650

LITHO BY N.L. MALDER.

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.

No. 1653 E., 08.—Dir. Gen'l. Observatories.—May 08.—2,050.

Enco. S. I. O., Calcutta.

PLATE III

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

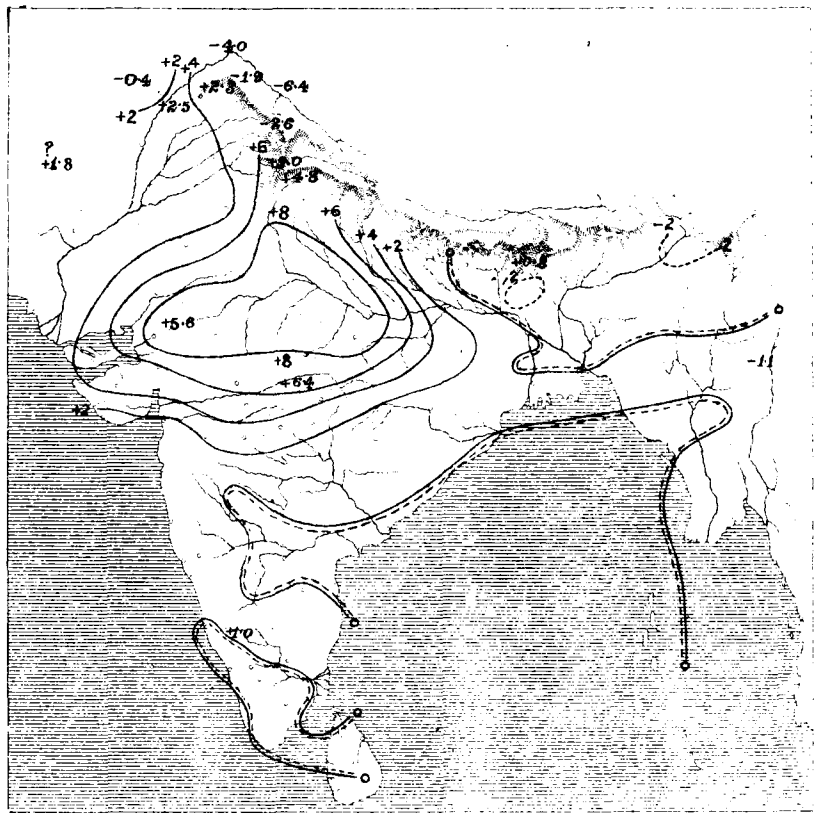
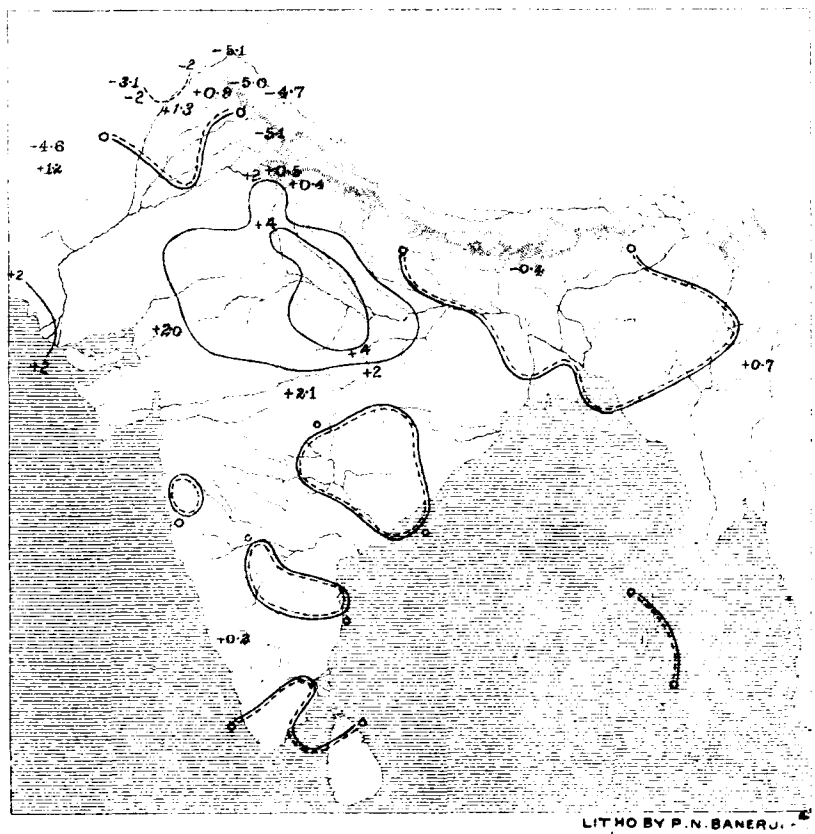


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MINIMUM TEMPERATURE.



LITHO BY P.N. BANERJI.

PLATE IV

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

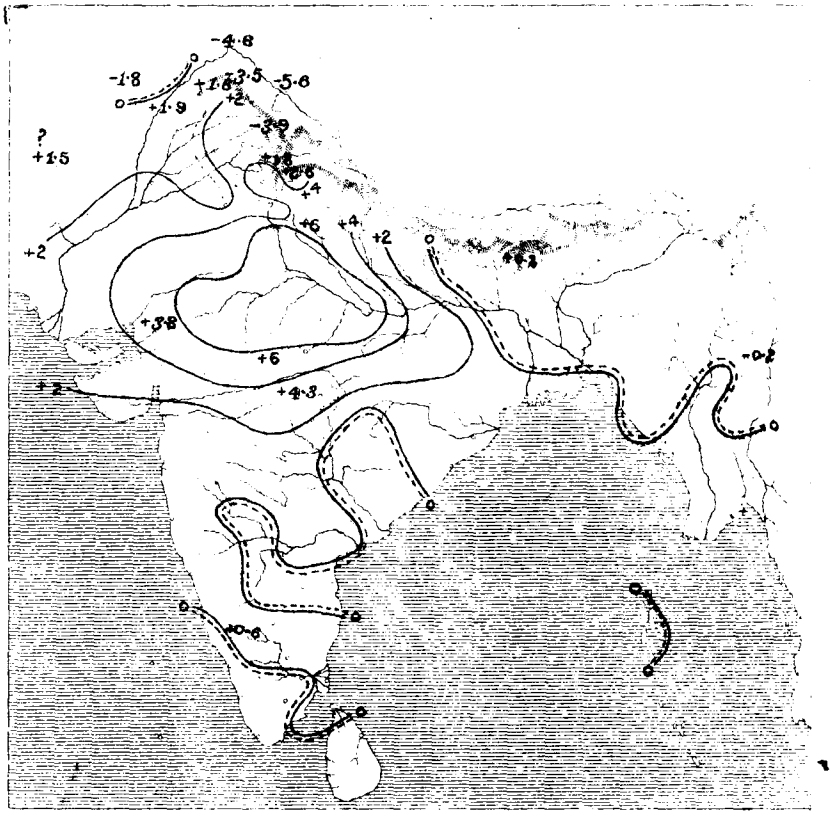


CHART SHEWING THE MONTHLY MEAN OF PRESSURE AND RESULTANT WIND DIRECTION.

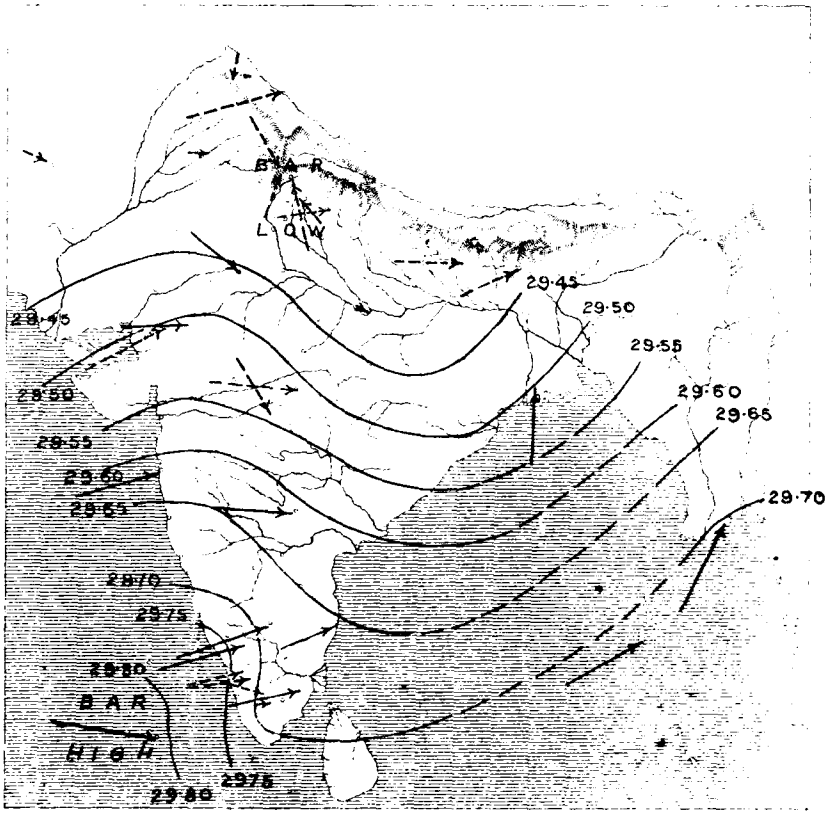


PLATE V.

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

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

LITHO BY P. N. BANER

PLATE VI

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

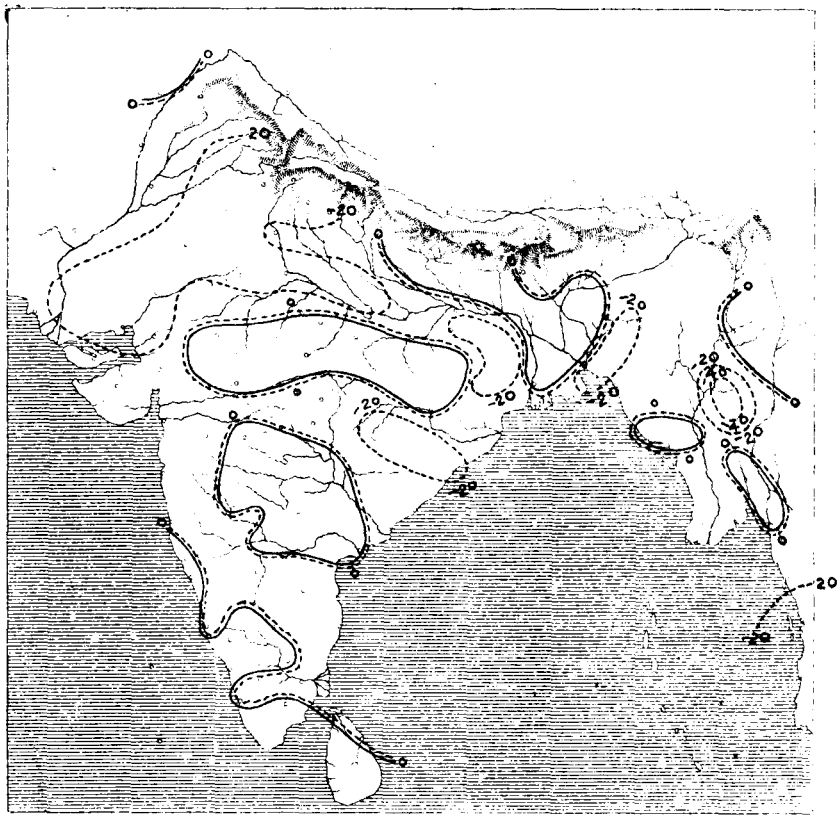
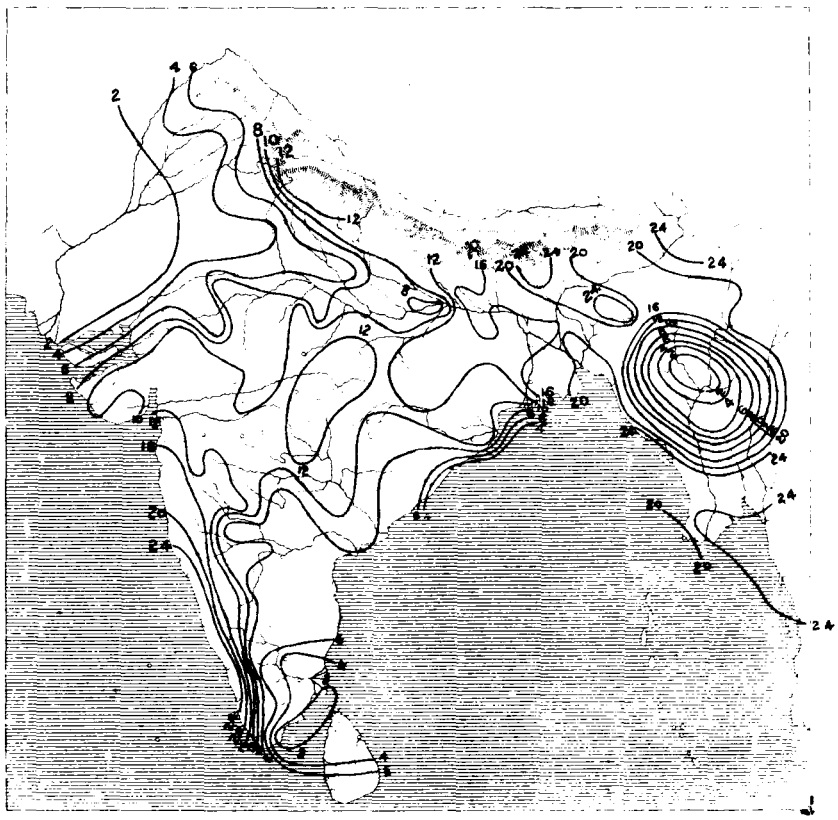
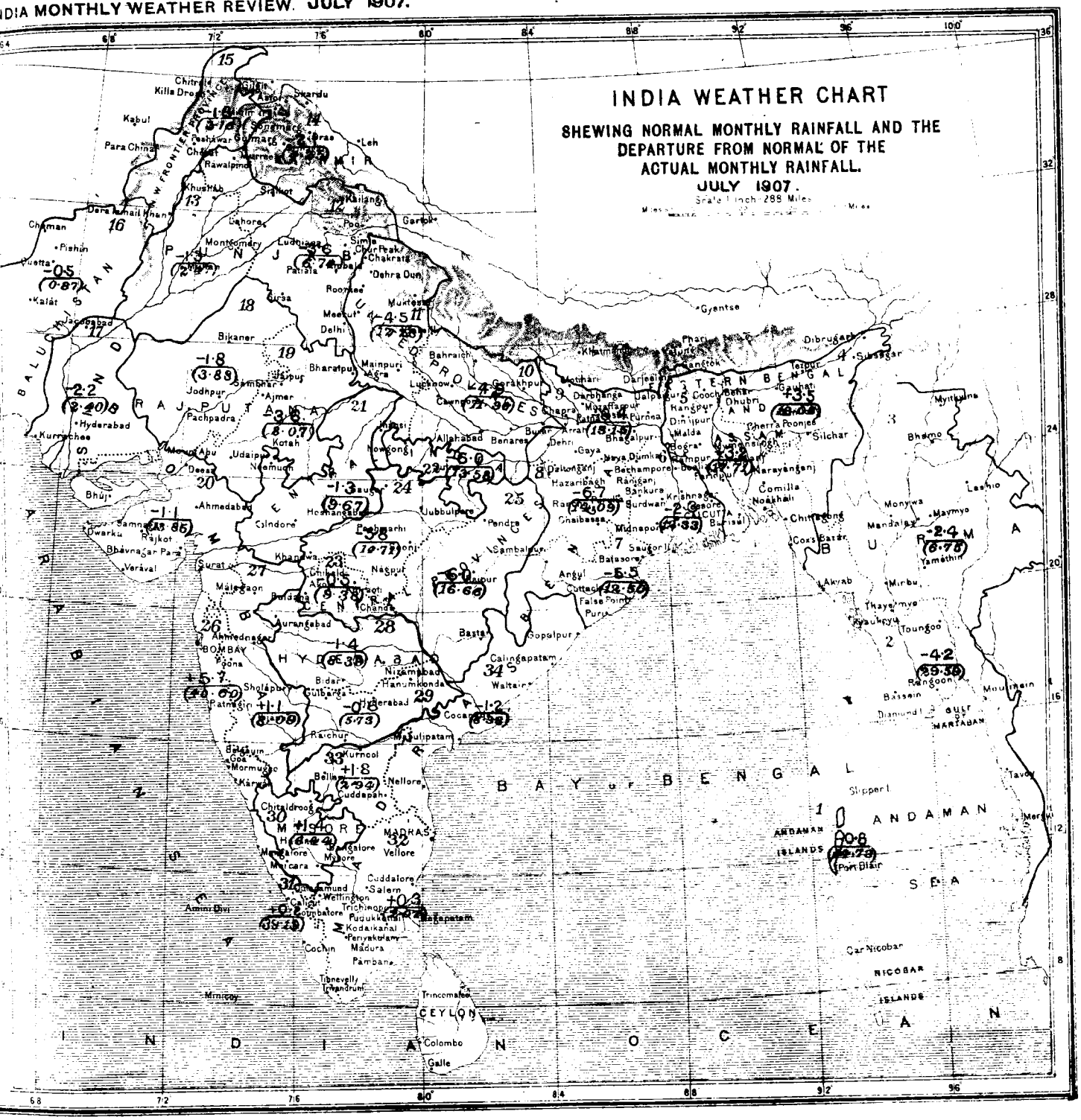


CHART SHEWING THE TOTAL NUMBER OF DAYS IN THE MONTH ON WHICH RAINFALL EQUALLED OR EXCEEDED 0·10 INCH.

(BASED ON THE RETURNS OF TABLE B.)





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

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

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GOVERNMENT OF INDIA.

METEOROLOGICAL DEPARTMENT.

MONTHLY WEATHER REVIEW.

PUBLISHED BY ORDER OF

THE GOVERNMENT OF INDIA.

SIMLA, AUGUST 1907.

INTRODUCTION.

THIS review of the weather in India during the month of August, 1907, is based on observations taken daily at 8 hrs. at 237 stations and on additional observations recorded at 10 hrs. and 16 hrs. at 34 stations. In the rainfall summary the data furnished by the meteorological observatories and such rainfall statements of the month as had been published by the Provincial Governments, up to the date of the publication of the review have been utilized. The brief notes on solar, seismic and magnetic disturbances have been supplied by the chief observatories.

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

Summary of the chief features of the weather in India during the month of August, 1907.

2. During the first three weeks of the month strongly marked monsoon conditions prevailed over the whole country except in the south-east of Madras and although three cyclonic storms formed in the Bay the second was the only one that succeeded in crossing the country into north-west India; this storm gave general and heavy rain to the south of its tract and a deluge of rain at Deesa and Mount Abu.

Apart from this the rainfall occurred independently of cyclonic storms and was thus much more evenly distributed than usual. Rajputana, the south-west Punjab, Sind and Gujarat, the dry regions, received relatively to the normal the heaviest rainfall.

During the last ten days of the month the monsoon currents weakened and withdrew entirely from north-west India, the United Provinces, Central India and the Central Provinces. The rainfall of the month was in large defect in the Madras Deccan and south-east Madras, areas that usually receive a fair amount of rain in August, and there was also a deficiency in Upper Burma, Eastern Bengal and Assam, Bengal and Bihar, but over the rest of the country the rainfall was generally in excess, the only important exception being the United Provinces which barely received the normal amount. The rainfall for the whole country was 22 per cent. in excess and was the heaviest on record for August since 1900.

The departures from normal of temperature, humidity and cloud were largely determined by the rainfall and were generally small and of little significance.

Solar, seismic and magnetic disturbances.

3. *Solar Observations.*—The sun was examined for spots and faculæ on all the days except on the 26th when the weather was cloudy and drizzling throughout. There were also as many as 14 days when the sky was too bad to permit of any observation of the prominences.

Spots.—22 spot groups were recorded during the month or only 2 more than in July. There was however a slight increase in the daily average number, which was 4·3 as against 3·1 in the preceding month. Almost all the spots were small ones. Numbers 1210 and 1215 were the only spots of any size seen during the month. The former came round the east limb on the 14th and consisted in the beginning of a long stream extending over nearly 14° of longitude. It contained two main spots, one leading and the other at the rear. The latter slowly dwindled in size and most of the smaller companions disappeared one after another. The leader alone remained to go round the west limb on the 25th. The group appeared in a high latitude, being about 25° south. Number 1215 was first seen near the east limb on the 27th and consisted of a train of 3 spots. Till the last day of the

month it had not undergone any great change and was then half way up between the east limb and the central meridian.

The distribution of spots in latitude was as follows: —

	0-10	10-20	20-30	Total
North ...	4	4	...	8
South ...	5	8	1	14

The southern hemisphere of the sun still continued to be more active than the northern.

Prominences.—There were only 28 large prominences observed during the month. The highest was about 2′ in altitude and was photographed on the 22nd at position angle 343.

Magnetic disturbances.—Moderate magnetic disturbances were recorded on the 30th and the 31st. On the latter date there was a small spot not far from the central meridian.

J. EVERSHED,
Acting Director.

Kodaikanal and Madras Observatories.

Note on the Alibag Magnetic Record.

4. During the month the traces showed 7 calm days, 22 days of small and two days of moderate disturbance.

The days of the month selected as quiet are the 6th, 7th, 12th, 27th and 28th.

The mean observed absolute values of the several elements, as also the ranges and summed ranges of the Horizontal Force and Declination for the month are as follows :—

Declination	1° 1′ 2″ East.	
Horizontal Force	0·36879	C. G. S. Unit.
Dip	23° 14′·1.	
Horizontal Force range	0·00045	C. G. S. Unit.
Horizontal Force summed range ...	0·00311	" "
Declination range	4′·09.	
Declination summed range ...	18′·43.	

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

MAGNETIC DISTURBANCES.

August 1907.

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

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

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

SEISMIC DISTURBANCES RECORDED AT COLABA.

Two small seismic disturbances were recorded during the month on the 5th and 17th.

LIST OF SEISMIC DISTURBANCES.

Date.	Commence	Max.	End.	Max. displacement from mean position.	Duration
	H. M.	H. M.	H. M.	M.M.	H. M.
5	7 55·9	8 1·6	8 20·4	0·5	0 24·5
17	17 43·6	18 16·5	18 46·6	0·5	1 3·0

All times given above denote G. M. T.

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

CALCUTTA OBSERVATORY.

5.—*List of displacements recorded by the Milne seismograph at the Alipore Observatory during August 1907.*

Date 1907.	P. T. Commencement. G.M.T.	L. W. Commencement. G.M.T.	Maximum. G.M.T.	End. G.M.T.	Duration.	Maximum displacement on trace from mean position m.m.	REMARKS
	H. M.	H. M.	H. M.	H. M.	H. M.		
13th August 1907.	22 6·2	...	22 11·8	22 38·7	0 32·5	0·50	No trace from 1st to 11th August 1907, as the driving clock was under repair.
17th August 1907.	12 41·4	...	12 42·9	12 52·6	0 11·2	1·25	
17th August 1907.	17 38·3	...	17 45·9	18 33·7	0 55·4	0·50	
					Sensibility ...		1 m.m.=0 38″ of tilt.

C. W. PEAKE,
Meteorologist, Calcutta.

SIMLA OBSERVATORY.

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

Date.	Beginning of 1st P. T. G. M. T.	Beginning of 2nd P. T. G. M. T.	Beginning of L. W. G. M. T.	Time of Maximum amplitude G. M. T.	Approximate end G. M. T.	Duration.	Maximum displacement of style mm.	REMARKS.
August 1907.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.		
12th	11 41·2	...	...	...	11 45·6	4·4	...	Tremour.
15th	2 6·2	...	...	2 7·7	2 9·6	1·9	·5	Do.
17th	...	...	...	4 26·4	4 26·9	0·5	10	Local shock.

Two slight shocks of earthquake were felt in Rangoon on the 2nd at 9 hrs. 15 mins. G. M. T.

J. PATTERSON,
Imperial Meteorologist, Simla.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

7. *Solar observations.*—Observations were taken on every day except the 1st, 12th, 16th and 18th, groups of sunspots being seen throughout. They were especially numerous between the 2nd and 8th and faculæ were visible on each day of observation.

Magnetic Disturbances.

Day.	Time.	Disturbance.
1st to 3rd	10 h. to 2 h.	Occasional small fluctuations in H. F. with double wave 1st. 13h. to 20h. (—30 to + 22) and wave 2nd 1h. to 3h. (—10 to +20).
3rd	9h. to 12h. ...	Wave in H. F. (—19).
9th to 10th	22¾ h. ... to ¼h. ...	Increase of H. F. (21).
14th	19 h. ...	Sudden increase in H. F. (9) followed by occasional small fluctuations till 15th 3h.
18th to 19th	19 h. ... to 2½ h. ...	Wave in H. F. (—30).
20th	¼h. to 1h. ...	Wave in H. F. (+14): in Decl (+9)) 5h. to 14h occasional small fluctuations in H. F. and Decl.
21st	¼h. to 2¼h. ...	Two successive waves in H. F. (+12 and +14): in Decl (+4' and + 14')
21st	10h. to 13½ h.	Irregular decrease in H. F. (47).
22nd	16¼h. to 18½ h.	Wave in H. F. (—20): 17h. 15m. to 20m. Increase in Decl (24').
23rd to 24th	23h. to 0h.	Wave in H. F. (+14) occasional undulations in Decl from 23rd 22h. to 24th 9h.
24th	12h. to 15h.	Wave in H. F. (+25) in Decl small undulations.
24th	22h. to 23¼h.	Wave in H. F. (+18).
30th	11h. 10m. ...	Sudden increase in H. F (12) followed by a wave 12h. to 13¼h. (+18) small fluctuations followed till 17h. 40m when a sudden decrease in H. F. occurred (30).
30th	18h. to 21h.	Wave in H. F. (—68) in Decl small fluctuations from 30th 15h. to 22h.
31st	0h. 20m. to 55m.	Increase in H. F. (28).

T. F. CLAXTON,
Director.

Weather in the Indian monsoon region.

8. Pressure in the southern Indian Ocean as represented by Mauritius was normal but at Zanzibar and Seychelles in the equatorial region it was in moderate excess; while winds were approximately normal in direction at all three stations their strength was less than usual at Mauritius and normal elsewhere. Rainfall was in defect at Mauritius and Seychelles and in slight excess at Zanzibar.

The following table gives the meteorological data for the three stations.

	Mauritius.	Zanzibar.	Seychelles.
Departure from normal of mean pressure	+·002	+·035	+·040
Actual mean wind direction ...	S 53° E	S 4° E	S 21° E
Normal mean wind direction ...	S 68° E	S 9° E	S 35° E
Actual mean wind velocity (miles per diem).	237	168	336
Normal mean wind velocity ... (miles per diem).	293	166	316
Rainfall departure from normal ...	—2·13	+0·38	—1·55

Depressions and cyclonic storms.

9. Four depressions formed over the head of the Bay but only one of them penetrated as far west as northwest India.

The first depression was forming off the Orissa coast on the 1st and passed inland near Balasore between 8 hrs. on the 2nd and 8 hrs. on the 3rd. It was such a very feeble disturbance that it did not have any appreciable influence on the rainfall and had disappeared completely by the morning of the 4th.

The second and most important storm of the month began to form at the head of the Bay on the 10th and slowly developed during the next few days while moving towards the Orissa coast which it crossed near Balasore on the afternoon of the 14th. The heavy rainfall caused by it up to this time was chiefly confined to the north Arakan coast and to Orissa, the areas in the more immediate vicinity of the storm centre. After crossing the coast the depression travelled in a west northwesterly direction and became merged in the usual area of low pressure in northwest India. It stimulated both branches of the monsoon into greater activity and general rain fell over Orissa, the Central Provinces and Central India but the greater parts of the United Provinces did not receive much rain, being in the northern quadrants of the depression and thus dependent on the Bay current which was comparatively weak. In parts of the Central Provinces and in the interior of Orissa the Arabian Sea current gave

some heavy falls of rain. When the depression reached Rajputana, and coalesced with the usual area of low pressure in upper Sind it drifted northward into the Punjab where it disappeared on the 21st. The Arabian Sea current became very active during this period over Gujarat and south Rajputana and from 8 hrs. on the 16th to 8 hrs. on the 21st 35·6″ of rain fell at Mount Abu and 30·7″ at Deesa: it also gave light rain in parts of the Punjab. With the disappearance of this depression the trough of low pressure moved up against the Himalayas and the monsoon finally withdrew from the Punjab and the United Provinces.

The third depression formed near Calcutta on the 17th and developed during the next day into a cyclonic storm of moderate intensity; it then moved slowly westward until it was a short distance northwest of Balasore where it began to curve towards the north and on nearing the Chota Nagpur plateau it was rapidly disintegrated, showing that it was a storm of low elevation; after crossing the plateau it survived as a shallow depression and reached the south-east of the United Provinces where it disappeared on the 21st. Under the influence of the depression the Arabian Sea current gave heavy rain in southwest Bengal, Orissa and Chota Nagpur and light rain in the east of Central India and over the Central Provinces; the Bay current however gave very little rain.

The last depression of the month appeared in central Burma on the 24th and travelling westward, it coalesced with the southern end of the trough of low pressure which had extended out into the Bay. The depression then crossed the head of the Bay to the Orissa coast and passed inland near False Point on the 27th, but it failed to cross the Orissa hills and had completely disappeared by the morning of the 29th. It only slightly increased the activity of the monsoon currents in its neighbourhood.

Pressure.

10. Monthly mean pressure which had been normal or in excess since last February was generally in defect in August and on the mean of the whole country (excluding hill stations) it was 0·027″ below normal. The area of greatest deficiency occurred along the Orissa coast and in southwest Bengal where it amounted to nearly a tenth of an inch and pressure was below normal over the whole of northern India but in the south of the Peninsula there was a slight excess. The pressure gradients over India were thus steeper than usual. The trough of low pressure was well away from the hills during the first three weeks of the month and the Bay monsoon was free to penetrate up the Gangetic plain but during the rest of the month the trough was much more easterly than usual and its axis extended almost north and south in Bengal.

The abnormal features of the pressure distribution on the plains probably extended to a considerable height in the atmosphere as far as can be judged from the few hill stations for at their level the same characteristics were exhibited as at the plains stations in their neighbourhood.

The accompanying tables give the pressure data for the 14 meteorological provinces and for eight pairs of associated hill and plains stations.

Division.	Departure from normal of mean 8 hours pressure.
	″
Burma	— ·029
Eastern Bengal and Assam	— ·054
Bengal	— ·072
United Provinces	— ·039
Punjab	— ·021
North-West Frontier Province	— ·018
Sind	— ·029
Rajputana	— ·033
Bombay	— ·018
Central India	— ·036
Central Provinces	— ·031
Hyderabad	— ·012
Mysore	+ ·007
Madras	+ ·008

Hill station.	Departure from normal pressure. A.	Plain station.	Departure from normal pressure. B.	Departure of pressure difference. B—A.
	″		″	″
Quetta	— ·032	Jacobabad	— ·021	+ ·011
Leh	— ·009	Lahore	— ·027	— ·018
Murree	— ·015	Peshawar	— ·028	— ·013
Simla	— ·010	Ludhiana	— ·014	— ·004
Chakrata	— ·023	Roorkee	— ·026	— ·003
Darjeeling	— ·023	Dhubri	— ·060	— ·037
Mount Abu	— ·043	Deesa	— ·046	— ·003
Pachmarhi	— ·053	Khandwa	— ·025	+ ·028

Temperature.

11. The departures from normal of temperature were chiefly controlled by the rainfall and during the day time temperature was in defect in the east Punjab, Rajputana, Gujarat, the west of Central India, the Central Provinces and the Deccan, the regions where there was a large excess of rainfall, but in the remainder of India it was normal. At night temperature was normal over the whole country. In the accompanying tables the temperature data for the 34 divisions and the 14 meteorological provinces are given.

SUB-DIVISION.	ACTUAL TEMPERATURE.					DEPARTURE FROM NORMAL OF MONTH OF		
	Mean maximum.	Mean minimum.	Monthly mean of mean between maximum and minimum.	Mean daily range of temperature.	Absolute range during month.	Maximum.	Minimum.	Daily range.
	°	°	°	°	°	°	°	°
1. Bay Islands	85·0	77·2	81·1	7·8	14·9	— 1·0	0	— 1·0
2. Lower Burma	83·2	75·1	79·1	8·1	14·9	— 1·2	+ 0·1	— 1·3
3. Upper „	89·5	76·1	82 8	13·5	20·8	— 0·1	+ 0·5	— 0·6
4. Assam	90·1	77·9	84·0	12·1	20·0	+ 1·6	+ 0·5	+ 1·1
5. Eastern Bengal	88·7	78·5	83·6	10·2	16·3	+ 1·3	+ 0·6	+ 0·7
6. Bengal	89·1	78·9	84·0	10 2	16·4	+ 0·7	+ 0·4	+ 0·3
7. Orissa	85·8	77·5	81·7	8·4	16·6	— 0·7	+ 0·8	— 1·5
8. Chota Nagpur	86·2	75·4	80·8	10·8	18·0	0	+ 0·5	— 0·5
9. Bihar	90·4	79·1	84·8	11·3	19·1	+ 1·2	+ 0·2	+ 1·0
10. United Provinces, East	91·4	78·9	85·2	12·6	21·6	+ 1·0	+ 0·1	+ 0·9
11. „ „ West	90·0	77·5	83·8	12·5	19·3	+ 0·5	+ 0·2	+ 0·3
12. Punjab East and North	92·8	78·2	85·5	14·6	27·9	— 1·7	— 0·1	— 1·6
13. „ Southwest	99·9	81·6	90·8	18·3	33·4	— 1·1	+ 0·1	— 1·2
14. Kashmir	77·9	55·0	66·5	23·0	41·0	— 1·3	— 0·7	— 0·6
15. North-West Frontier Province	99·7	79·1	89·4	20·6	37·7	— 0·5	— 0·3	— 0·2
16. Baluchistan	94 5	69·8	82·2	24·8	39·4	— 0·3	+ 0·5	— 0·8
17. Sind	96·7	0·9	88·8	15·8	27 6	+ 0·9	+ 1·3	— 0·4
18. Rajputana, West	90·7	77·6	84·2	13·0	23·6	— 3·8	— 0·9	— 2·9
19. „ East	86·6	75·8	81·2	10·8	18·3	— 3·0	— 0·1	— 2·9
20. Gujarat	84·5	75·9	80·2	8·5	16·4	— 3·7	— 0·7	— 3·0
21. Central India, West	81·0	72·0	76·5	9·1	16·7	— 3·0	+ 0·1	— 3·1
22. „ East	86·2	76·7	81·4	9·5	17·9	— 0·8	+ 0·4	— 1·2
23. Berar	83·0	72·1	77·5	11·0	19·5	— 3·7	— 0·9	— 2·8
24. Central Provinces, West	82·5	72·8	77·6	9·7	19·0	— 2·3	— 0·7	— 1·6
25. „ „ East.	83·3	72·4	77·4	9·8	18·0	— 4·4	— 0·8	— 3·6
26. Konkan	82·0	75·7	78·9	6·2	10·5	— 1·1	0	— 1·1
27. Bombay Deccan	80·5	68·9	74·8	11·6	20·6	— 3·5	— 0·5	— 3·0
28. Hyderabad, North	81·8	70·0	75·9	11·8	22·3	—	—	—
29. „ South	84·4	71·8	78·1	12·6	20·8	— 3·3	— 0·5	— 2·8
30. Mysore	78 9	66·0	72·4	12·9	21·6	— 2·7	— 0·2	— 2·5
31. Malabar	80·9	73·5	77·3	7·4	13·5	— 2·0	— 0·3	— 1·7
32. Madras, Southeast	93·5	75·9	84·6	17·5	25·9	+ 0·1	+ 0·3	— 0·2
33. „ Deccan	90·5	75·1	82·8	15·4	24·8	— 0·9	+ 0·4	— 1·3
34. „ Coast, North	89·3	77·8	83·7	11·5	22·9	— 1·0	— 0·2	— 0·8

Division.	Departure from normal of		
	Mean maximum temperature.	Mean minimum temperature.	Mean temperature.
	°	°	°
Burma	— 0.7	+ 0·3	— 0·2
Eastern Bengal and Assam	+ 1.4	+ 0·6	+ 1·0
Bengal	+ 0·3	+ 0·5	+ 0·4
United Provinces	+ 0·7	+ 0·2	+ 0·5
Punjab	— 1·5	— 0·1	— 0·8
North-West Frontier Province	— 0·5	— 0·3	— 0·4
Sind	+ 0·9	+ 1·3	+ 1·1

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

Winds.

12. The winds of the Arabian Sea monsoon were stronger than usual in the Central Provinces owing to the large relative deficiency of pressure at the head of the Bay and the consequent increased steepness of the pressure gradients

In Madras also the air movement was above the average but in all other parts of the Indian region winds had nearly their normal strength with the single exception of Sind ; here in keeping with their general character for the three previous months they were much below their average strength owing to the feeble development of the area of low pressure which usually exists there.

Winds were more constant in direction than usual in Eastern Bengal and Assam, but in Rajputana and the Punjab they were much more variable than usual, especially in the latter area where they had a greater easterly component than usual. In Chota Nagpur the winds during August are generally from the Arabian Sea but as there was a well developed area of low pressure in south-west Bengal winds from the Bay prevailed during the greater part of the period.

Division.	Departure from normal of	
	Hourly wind velocity.	Wind steadiness.
Burma	+0·1	+1
Eastern Bengal and Assam	—0·1	+13
Bengal	+0·7	+6
United Provinces	—0·5	+3
Punjab	+0·1	—14
North-West-Frontier Province	—0·9	+6
Sind	—4·0	—19
Rajputana	—0·5	—29
Bombay	+1·1	+7
Central India	—0·1	+7
Central Provinces	+2·2	+12
Hyderabad	+0·2	+1
Mysore	+0·9	+7
Madras	+2·1	+7

Humidity and cloud.

13. Both the absolute amount of moisture in the air and the relative humidity were much greater than usual in upper Sind, north Rajputana and the south of the Punjab, the areas where there was a very large excess in the rainfall but over the rest of the country the hygrometric conditions of the atmosphere were approximately normal.

Skies were considerably freer from cloud than usual in Assam, the north of Eastern Bengal, Bihar, and the north of the Bombay Deccan and at isolated stations in the United Provinces, while the area of overcast skies was above the average in south Rajputana, Gujarat excluding Kathiawar and in parts of Central India and of south India, but in all other parts of India there was the normal amount of cloud.

Division.	Hygrometry, 8 hrs.				Cloud.	
	Mean humidity.	Departure from normal.	Mean vapour tension in inches of mercury.	Departure from normal in inches of mercury.	Mean cloud amount at 8 hrs.	Departure from normal.
	%					
Burma	90	+1	·881	+·007	8·3	+0·8
Eastern Bengal and Assam.	88	−3	·952	0	6·3	−3·0
Bengal	88	0	·947	−·001	7·1	−0·4
United Provinces	86	−1	·936	+·014	6·4	−0·7
Punjab	79	+3	·912	+·034	4·1	−0·3
North-West Frontier Province.	71	−2	·863	−·035	2·7	−0·1

Division.	Hygrometry, 8 hrs.				Cloud.	
	Mean humidity.	Departure from normal.	Mean vapour tension in inches of mercury.	Departure from normal in inches of mercury.	Mean cloud amount at 8 hours.	Departure from normal.
	%					
Sind	77	+3	·942	−·001	5·3	+0·3
Rajputana	85	+8	·852	+·053	7·4	+0·2
Bombay	88	+3	·819	+·006	8·2	+0·5
Central India	90	+3	·819	−·005	9·3	+1·5
Central Provinces	88	+1	·773	−·030	8·3	+0·3
Hyderabad	82	0	·690	−·034	7·2	−0·5
Mysore	86	+3	·828	−·007	9·1	+0·7
Madras	75	−2	·774	−·032	7·2	+0·4

Rainfall.

14. Both branches of the monsoon were very active during the first three weeks of the month and rain fell in all parts of the country, but it was very scanty in southeast Madras and the Madras Deccan. In this period three cyclonic storms formed over the Bay but the first and last failed to penetrate beyond Orissa and Chota Nagpur so that the rainfall caused by them was restricted to these areas and Bengal. The second depression however travelled right across the country to Sind and gave heavy rain to the south of its track and torrential rain in south Rajputana and north Gujarat. At Deesa and Mount Abu 30·7″ and 35·6″ of rain fell from 8 hrs. on the 16th to 8 hrs. on the 21st and were the only heavy falls that occurred during the month.

The most of the rain however fell independent of cyclonic storms and was thus more evenly distributed than usual, while the dry regions of Rajputana, the southwest Punjab, Sind and Gujarat, received abnormally heavy rainfall.

During the last ten days of the month the monsoon currents weakened and withdrew entirely from northwest India, the United Provinces and the central portions of the country, and although a cyclonic storm passed across the head of the Bay from Burma into Orissa it did not increase the rainfall appreciably in Burma or northeast India.

The rainfall for the month was well distributed over the whole country but was in considerable defect in Upper Burma, Eastern Bengal and Assam, Bengal, Bihar, the Madras Deccan and the southeast of Madras, and was normal in the United Provinces, Kashmir, the North-West Frontier Province and Hyderabad. In all other parts of the country rainfall was in excess, and in west Rajputana, Baluchistan, Gujarat and Malabar the excess was over 100 per cent. The tables below give the usual data.

Sub-division.	Number of rainy days.		Rainfall.			
	Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
			Inches.	Inches.	Inches.	
1. Bay Islands	22·0	20·9	14·57	14·16	+0·41	+3
2. Lower Burma	26·7	24·0	36·00	26·37	+9·63	+37
3. Upper Burma	9·7	10·4	5·34	7·17	−1·83	−26
4. Assam	15·0	17·6	12·21	16·15	−3·94	−24
5. Eastern Bengal	14·7	16·6	10·13	15·54	−5·41	−35
6. Bengal	15·2	15·6	8·41	11·89	−3·48	−29
7. Orissa	19·1	15·1	23·54	12·28	+11·26	+92
8. Chota Nagpur	21·1	16·4	19·17	13·34	+5·83	+44
9. Bihar	12·6	13·4	9·29	11·91	−2·62	−22
10. United Provinces, East.	14·2	12·5	11·64	11·35	+0·29	+3
11. United Provinces, West.	12·3	11·8	10·83	11·71	−0·88	−8
12. Punjab, East and North.	9·1	6·8	8·19	6·58	+1·61	+24
13. Punjab, Southwest.	4·3	2·9	3·20	2·11	+1·09	+52
14. Kashmir	6·5	5·3	4·35	3·89	+0·46	+12
15. North-West Frontier Province.	5·0	4·0	3·58	3·38	+0·20	+6
16. Baluchistan	2·7	1·3	1·91	0·81	+1·10	+136
17. Sind	6·1	2·2	3·74	2·21	+1·53	+69
18. Rajputana West	10·5	4·3	10·89	3·32	+7·57	+228
19. Rajputana, East	14·0	9·2	12·52	7·48	+5·04	+67

Sub-division.	Number of rainy days.		Rainfall.			
	Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
			Inches.	Inches.	Inches.	
20. Gujarat	18·0	11·1	17·21	8·46	+8·75	+103
21. Central India, West.	15·7	12·3	13·43	10·33	+3·10	+30
22. Central India, East.	18·6	14·6	18·75	13·13	+5·62	+43
23. Berar	14·4	10·3	8·78	6·94	+1·84	+27
24. Central Provinces, West.	18·3	13·9	17·38	12·09	+5·29	+44
25. Central Provinces, East.	20·6	15·1	17·97	13·97	+4·00	+29
26. Konkan	27·3	24·7	33·01	24·84	+8·17	+33
27. Bombay Deccan.	13·8	10·2	9·14	5·55	+3·59	+65
28. Hyderabad, North.	12·9	11·4	8·61	7·92	+0·69	+9
29. Hyderabad, South	10·8	10·4	6·87	6·43	+0·44	+7
30. Mysore	9·9	8·3	6·99	5·08	+1·91	+38
31. Malabar	29·5	20·9	48·73	19·32	+29·41	+152
32. Madras, South-east.	3·6	5·3	1·89	3·52	—1·63	—46
33. Madras, Deccan.	4·4	6·5	1·53	3·86	—2·33	—60
34. Madras Coast, North.	9·7	10·1	6·15	6·78	—0·63	—9

Division.	Rainfall August, 1907.			
	Actual.	Normal.	Departure from normal.	Percentage departure.
	Inches.	Inches.	Inches.	
Burma	19·27	15·88	+3·39	+21
Eastern Bengal and Assam	11·19	15·85	—4·66	—29
Bengal	12·51	12·15	+0·36	+3
United Provinces	11·26	11·52	—0·26	—2
Punjab	7·14	5·65	+1·49	+26
North-West Frontier Province	3·58	3·38	+0·20	+6
Sind	3·74	2·21	+1·53	+69
Rajputana	12·10	6·36	+5·74	+90
Bombay	16·08	9·98	+6·10	+61
Central India	15·20	11·28	+3·92	+35
Central Provinces.	13·96	10·39	+3·57	+34
Hyderabad	7·66	7·10	+0·56	+8
Mysore	6·99	5·08	+1·91	+38
Madras	7·41	6·00	+1·41	+24
Mean of India when the size of the above areas is taken into account.	11·88	9·77	+2·11	+22

Snowfall.

I.—Afghanistan.

15. No information is available.

II.—North-West Frontier Province.

No information has been received.

III.—Kashmir.

No information has been received.

IV.—Punjab.

(1) *Kangra.*—There were some falls of snow on elevations over 13,000 feet.

(2) *Kilba.*—Snow fell on the surrounding hills on the 14th and 18th down to 11,000 feet, at which height the total fall measured 6 inches in depth.

Name of pass.	Depth of accumulation at the end of the month.	
	Reported.	Normal.
Rupin pass	2 feet.	3 feet.
Brua pass	2 „	3 „
Harang pass	...	*Nil.*
Shatul pass	2 feet.	3 feet.
Buldar pass	2 „	3 „
Bunang pass	1½ feet	½ foot.

The passes remained open.

V.—United Provinces.

Almora.—There were occasional falls, chiefly during the second-half of the month. The total fall measured 3 feet on the Unta Dhura, 1½ feet on the Ralam Dhura, and in Chandas, 19 feet on the Nuwe pass and 3⅔ feet in Byans. The snow line descended to the cultivated area in Chandas and Byans.

Name of pass.	Depth of accumulation at the end of the month.	
	Reported.	Normal.
Unta Dhura	6 feet.	6 feet.
Ralam Dhura	4 „	4 „
Nuwe pass	23 „	17 „
Benkaru pass	8 „	12 „
Lampia pass	3½ „	7½ „
Lipu Lekh pass	2½ „	3 „

Weather was warmer than usual.

Summary.

16. (*a*) Light snow fell on two occasions in the Simla hills down to about 11,000 feet. All the passes near Kilba remained open.

(*b*) In Kulu some falls occurred on elevations above 13,000 feet.

(*c*) Occasional snow storms occurred in Almora, in some parts down to unusually low levels. The total fall of the month measured 19 feet in depth on the Nuwe pass. The accumulations at the end of the month were on the whole of about the usual depth.

Crops report.

17. *Burma.*—Transplanting was nearly completed in Lower Burma, where prospects were on the whole good, but in Upper Burma rain was badly wanted and prospects were generally unsatisfactory.

Eastern Bengal and Assam.—Plucking and manufacture of tea, ploughing for and transplantation of winter rice and the harvesting of early rice and jute were in progress. Prospects of standing crops, other than winter rice, were generally good but more rain was wanted throughout the province.

Bengal.—The harvesting of autumn crops had commenced in parts. Rain was still wanted in several districts but in others floods and excessive rain had caused some damage.

United Provinces.—Sowings were nearly completed, weeding and irrigation were being carried on and fields were being prepared for spring crops. More rain was required.

Punjab.—Sowings of autumn crops and ploughings for the next spring crops were in progress. Rain was badly wanted in some districts where crops were withering, and in others crops had been damaged by rats and insects.

North-West Frontier Province.—Autumn sowings were completed in Dera Ismail Khan, and prospects were good, but more rain was wanted everywhere. Land was being prepared for spring sowings.

Jummoo and Kashmir.—The standing crops were in fair to good condition and fodder was sufficient.

Rajputana.—Agricultural operations were in progress. Crops had been damaged by heavy rain in some districts.

Central India.—Sowing and weeding were in progress and pasturage was fair to good. Some damage to crops was reported from rats, insects and heavy rain.

Central Provinces.—Sowings were practically completed and weeding and transplanting were in progress. The standing crops were in good condition.

Bombay.—Autumn sowings and transplantation were progressing. Damage to seedlings was reported from excessive rain, rats and locusts. Agricultural stock were in good condition.

Hyderabad.—The autumn and early rice crops were fair to good and were being weeded, and spring sowings had commenced. Prospects were favourable.

Mysore.—The standing crops were in good condition but more rain was needed.

Coorg.—Transplanting of rice was nearly completed. Water and fodder were sufficient.

Madras.—The standing crops were generally fair but some required more rain and some had been damaged by floods and excessive rain. Harvests were proceeding except in some districts, with outturn poor to normal.

J. PATTERSON.

Table A.—Abstract of observations taken at 10 hrs. and 16 hrs. at 37 stations in India, etc., in August 1907.

Table

Abstract of observations taken at 10 hrs. and 16 hrs. at 37

Number of Sub-division.	Station.	Elevation of bar-cistern above sea-level, in feet.	PRESSURE.						TEMPERATURE OF AIR.										TEMPERATURE WET-BULB.			
			Mean of 10 hrs.	Mean of 16 hrs.	Mean daily range.	Mean of daily mean pressures.	Departure from normal.	Mean reduced to S. L. and gravity 45° Lat.	Mean maximum.	Mean minimum.	Mean daily range.	Highest maximum.	Lowest minimum.	Absolute range.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of three previous columns.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	I.—Burma.																					
3	Rangoon . .	38	29·766	29·683	·083	29·728	—·024	29·700	84·1	75·6	8·5	87·8	73·3	14·5	81·0	79·1	78·2	—0·5	74·2	78·0	76·4	76·2
	III.—Bengal.																					
6	Calcutta . .	21	·547	·457	·090	·504	—·087	·470	88·4	79·1	9·3	92·3	75·5	16·8	84·7	84·9	83·5	+1·1	77·4	80·0	80·3	79·2
	IV.—United Provinces of Agra and Oudh.																					
10	Allahabad . .	309	·258	·155	·103	·210	—·056	·403	93·9	76·5	11·4	97·1	74·4	22·7	85·4	87·6	83·2	0	76·8	79·7	80·3	79·0
11	Dehra Dun . .	2,233	27·406	27·319	·087	27·361	—·043	·519	85·6	73·1	12·2	89·2	71·7	17·5	79·5	81·7	78·2	+0·9	71·7	75·2	76·5	74·5
	V.—Punjab.																					
12	Lahore . . .	702	28·859	28·771	·087	28·806	—·028	·461	95·1	70·7	15·4	105·8	75·2	30·6	88·3	92·4	86·5	−0·6	76·3	80·2	81·0	79·2
	VII.—Rajputana.																					
19	Jaipur . . .	1,431	·180	·101	·085	·143	—·036	·515	88·7	75·7	13·0	93·7	72·6	21·1	82·5	85·2	80·6	—1·7	74·1	77·9	77·6	76·3
	Udaipur . .	1,925?	27·735	27·652	·083	27·692	...	·551	83·1	73·3	9·8	87·1	68·5	18·6	78·5	80·4	77·6	...	71·2	73·6	74·7	73·2
	IX.—Bombay.																					
26	Bombay . .	37	29·752	29·682	·070	29·715	—·014	·692	82·9	77·1	5·8	85·3	74·6	10·7	80·6	80·8	78·9	—0·5	74·9	77·0	77·0	76·3
	XI.—Central Provinces.																					
23	Buldana . .	2,132	27·611	27·526	·085	27·567	—·026	·634	79·0	68·5	10·2	83·5	64·4	19·1	74·9	77·0	72·2	—1·9	67·1	70·4	71·7	69·7
24	Nagpur . .	1,017	28·655	28·556	·099	28·609	—·016	·582	83·2	73·4	9·8	89·6	70·6	19·0	78·2	81·1	76·9	—2·5	71·5	73·8	75·1	73·5
	XII.—Hyderabad.																					
29	Hyderabad . .	1,690	·075	27·975	·100	·031	0	·669	82·7	71·3	11·4	88·4	69·7	18·7	73·3	80·5	75·5	−1·6	68·3	70·7	72·8	70·6
	XIII.—Mysore.																					
30	Bangalore . .	3,021	26·689	28·798	·091	26·853	+·009	·764	80·2	65·2	15·0	85·8	62·9	22·9	73·2	77·3	70·8	—1·0	64·0	67·4	68·4	66·6
	Mysore . .	2,518	27·403	27·316	·087	27·369	+·023	·810	80·4	66·3	14·1	87·5	64·9	22·6	75·7	76·2	71·5	—1·9	64·7	68·4	68·6	67·2
	XIV.—Madras.																					
32	Periyakulam .	944	28·023	28·814	·114	28·871	...	·747	90·1	71·1	19·0	94·5	66·7	27·8	83·4	84·1	79·0	..	65·8	71·6	71·5	70·1
	Pudukkottai .	318	29·554	29·428	·126	29·491	...	·737	90·0	76·3	13·7	99·3	70·8	28·5	87·7	90·3	86·2	...	71·0	73·5	74·6	73·0
	Madras . .	22	·794	·668	·126	·740	—·006	·694	90·3	78·7	11·6	101·0	73·6	27·4	88·4	91·1	86·7	+2·2	73·8	77·4	78·8	76·7
	Stations in the Bay.																					
1	Upper Gasper .	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Lower Gasper .	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Port Blair . .	61	·795	·714	·081	·757	+·001	·749	84·2	77·2	7·0	86·5	72·4	14·1	82·5	82·1	79·6	−0·6	74·2	77·6	77·3	76·4
	Kashmir.																					
16	Srinagar . .	5,204	24·696	24·617	·079	24·654	—·014	24·625	83·4	63·8	19·6	91·3	53·2	38·1	74·2	81·5	71·0	+0·2	60·4	68·9	74·8	68·0
	Leh . . .	11,503	19·615	19·544	·101	19·602	—·021	19·570	73·9	49·7	24·2	83·5	44·5	39·0	64·6	70·1	59·2	—1·8	44·2	52·1	54·1	50·1

N. B.—Elevations in italics indicate barometric determinations.
NOTE.—The barometric readings are not reduced to sea-level, in the cases of hill or plateau stations, the elevations of which exceed 3,300 feet.

A.

stations in India, etc., in August 1907.

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								Mean wind direction.	Normal mean wind direction of month.								
From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean 10 hrs.	Mean 16 hrs.	Mean of two previous columns.	Departure from normal.	Calm.	N.	N. E.	E.	S. E.	S.	S. W.	W.	N. W.			Average percentage.	Normal percentage.	Mean velocity in miles per diem.	Normal.	Total rainfall for the month.	Heaviest rainfall during the month.		
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
																									%	%					I.—Burma.	
·833	·924	·877	·892	—·012	93	87	88	92	— 1	8·8	9·6	9·2	+0·2	...	...	1	...	...	8	36	17	...	S52°W	S39°W	85	66	69*	106	24·89	3·81	Rangoon . .	2
																															III.—Bengal.	
·919	·963	·974	·954	—·013	93	81	81	86	— 3	8·3	8·4	8·4	—0·3	...	...	5	13	18	9	13	3	2	S33°E	S2°E	50	56	146	113	10·05	1·78	Calcutta . .	6
																															IV.—United Provinces of Agra and Oudh.	
·904	·941	·939	·940	—·006	93	77	73	84	0	7·8	7·8	7·8	—0·3	4	3	13	13	2	2	3	13	9	N9°E	N6°E	21	5	144° (a)	159	14·24	1·74	Allahabad . .	10
·761	·823	·848	·838	+·016	92	82	79	89	— 2	7·6	7·4	7·5	—0·1	7	5	12	7	10	12	3	1	2	S71°E	S23°W	33	13	28	24	19·73	3·94	Dehra Dun .	11
																															V.—Punjab.	
·865	·926	·967	·923	+·039	85	70	62	73	+ 2	3·8	4·3	4·1	+0·1	7	1	2	12	20	4	2	10	4	S43°E	S78°E	32	24	70°	67	6·25	1·54	Lahore . .	13
																															VIII.—Rajputana.	
·826	·866	·849	·860	+·014	92	78	71	83	+ 4	7·8	7·9	7·9	+0·3	3	3	3	13	5	5	4	13	13	N66°W	N69°W	11	42	110	113	7·42	1·62	Jaipur . .	19
·737	·778	·799	·784	...	90	79	77	84	...	9·0	8·2	8·6	...	5	...	...	...	3	6	23	24	1	S59°W	...	72	...	108°	...	6·83	2·05	Udaipur . .	
																															IX.—Bombay.	
·837	·884	·880	·875	—·010	90	85	84	87	0	9·1	9·1	9·1	+0·7	...	...	...	...	...	...	18	43	1	S78°W	S81°W	93	79	40*	370	15·99	5·07	Bombay . .	26
																															XI.—Central Provinces.	
·618	·695	·717	·693	—·005	91	80	77	84	+ 3	9·2	9·0	9·1	+1·1	...	...	...	...	...	...	13	32	17	N87°W	N66°W	85	75	238*	206	7·79	1·36	Buldana . .	23
·748	·787	·805	·795	—·017	91	82	76	87	+ 4	8·3	8·2	8·3	—0·4	1	1	...	1	...	4	27	24	4	S67°W	N78°W	79	64	175*	173	11·80	2·13	Nagpur . .	24
																															XII. Hyderabad.	
·661	·718	·712	·708	—·023	86	83	69	84	+ 4	7·9	8·1	8·0	+0·4	4	...	...	...	...	...	...	53	5	N86°W	N85°W	92	85	189*	202	7·69	2·23	Hyderabad .	29
																															XIII.—Mysore.	
·583	·605	·596	·599	—·014	94	74	64	79	0	9·3	8·7	9·0	...	...	...	...	...	...	1	22	36	3	S75°W	S81°W	90	88	290	199	0·96	0·29	Bangalore . .	30
·593	·606	·608	·606	—·019	92	68	68	78	+ 2	9·2	9·6	9·6	+0·8	...	...	...	...	...	...	20	38	4	S78°W	S84°W	90	86	327*	300	1·54	0·35	Mysore . .	
																															XIV.—Madras.	
·630	·614	·605	·616	...	82	54	52	63	...	7·2	8·4	7·8	...	9	4	6	1	2	7	19	6	8	S67°W	...	32	...	99*	...	1·52	0·93	Periyakulam .	33
·689	·641	·642	·657	...	76	49	46	57	...	7·4	9·3	8·4	...	1	2	...	...	...	8	20	19	12	S75°W	...	69	...	261*	...	2·51	0·55	Pudukkottai .	
·771	·792	·831	·806	—·030	79	59	57	66	— 7	5·3	7·7	6·5	—0·4	...	...	...	2	6	1	10	41	2	S76°W	S36°W	72	56	195	166	3·50	1·08	Madras . .	
																															Stations in the Bay.	
...	...	...	...	...	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Upper Gasper .	1
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Lower Gasper .	...
·508	·881	·878	·863	—·043	86	79	50	83	— 4	8·6	9·0	8·8	+0·9	...	...	...	...	...	...	31	30	1	S68°W	S51°W	92	81	408*	259	14·85	2·51	Port Blair .	...
																															Kashmir.	
·491	·652	·793	·598	—·015	82	77	74	78†	— 2	3·9	5·5	4·7	+0·9	19	8	4	...	4	5	1	4	17	N38°W	N48°W	29	9	80*	86	2·99	1·01	Srinagar . .	14
·247	·285	·283	·269	+·004	69	47	39	55	+ 4	4·3	4·7	4·5	—0·8	...	...	3	1	1	14	19	31	...	S59°W	S72°W	68	42	39	43	0·82	0·34	Leh . . .	

† Mean of three previous columns.

* Corrected.
(a) Mean of 30½ days.

Table

Abstract of observations taken at 10 hrs. and 16 hrs. at 37

Number of Station	Station.	Elevation of barometer above sea-level, in feet.	Pressure.						Temperature of Air.										Temperature, Wet-bulb.			
			Mean of 10 hrs.	Mean of 16 hrs.	Mean daily range.	Mean of daily mean pressures.	Departure from normal.	Mean reduced to S. L. and gravity 45° Lat.	Mean maximum.	Mean minimum.	Mean daily range.	Highest maximum.	Lowest minimum.	Absolute range.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of three previous columns.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	Baluchistan.																					
16	Quetta . . .	5,502	24·452	24·372	·080	24·410	—·035	24·370	90·5	63·1	27·4	96·7	51·4	45·3	82·5	67·7	76·4	+1·1	57·7	62·3	61·9	60·6
	Hill Stations excluding Kashmir and Baluchistan.																					
	Simla . . .	7,224	23·012	22·902	·050	22·965	—·019	22·947	66·5	59·1	7·4	69·6	56·1	13·5	63·3	64·1	62·4	—0·4	57·8	61·3	62·1	60·4
	Sanain . . .	...	28·053	22·994	·059	23·020	...	...	71·5	57·2	14·3	76·4	50·1	26·3	67·2	66·8	63·9	...	...	61·8	62·1	...
	Kalabagh . . .	...	20·102	20·057	·045	20·077	...	...	57·8	48·4	9·4	71·4	45·0	26·4	51·3	53·8	52·6	...	...	51·9	51·4	...
	Chakrata . .	7,022	23·178	23·143	·035	23·157	—·004	23·117	63·9	50·8	9·1	73·3	56·9	16·4	65·1	65·5	63·9	+0·2	59·4	63·7	64·0	62·4
	Muktesar . .	7,556	23·776	23·714	·062	23·743	...	22·701	69·1	58·0	11·1	74·7	55·9	18·8	64·0	65·4	63·1	...	57·4	61·8	63·0	60·7
	Katmandu . .	4,838	25·503	25·402	·101	25·451	+·014†	25·405	83·4	68·4	15·0	86·6	66·1	20·5	77·4	79·2	75·4	+0·9†	66·3	70·9	72·8	70·0
	Darjeeling . .	7,376	22·928	22·891	·037	22·908	—·026	22·863	68·0	57·7	10·3	71·8	55·8	16·0	64·6	66·2	62·4	+1·5	56·8	63·2	64·6	61·5
	Pachmarhi . .	3,528	26·241 (c)	26·168	·073	26·203	—·041	26·149 (c)	73·2	66·0	7·2	78·7	64·1	14·6	68·7 (c)	70·6	69·1	—1·3	64·9	67·6 (c)	69·0	67·2
	Mount Abu . .	3,945	25·839	25·775	·064	25·805	—·048	25·755	70·4	65·1	5·3	74·2	61·0	13·2	67·0	68·7	67·2	—0·4	64·8	66·8	67·7	66·4
	Chikalda . .	3,643	26·153	26·075	·077	26·112	—·037	26·056	70·8	65·2	5·6	75·9	63·2	12·7	67·3	69·6	67·5	—0·9	65·0	66·6	68·1	66·6
	Ootacamund .	7,392	23·026	22·966	·060	22·995	...	22·931	60·4	52·9	7·5	66·8	51·6	15·2	57·1	56·6	56·2	...	51·7	54·7	54·4	53·6
	Kodaikanal . .	7,688	22·810	·742	·068	·776	...	·711	61·1	51·8	9·3	64·6	49·3	15·3	58·0	56·0	56·4	...	49·7	54·8	54·3	52·9
	Dodabetta . .	8,639?	·007	21·946	·061	21·977	...	21·913	53·2	47·5	5·7	58·6	44·7	13·9	51·7	51·0	50·4	...	...	50·3	49·6	...
	Extra India.																					
	Minicoy . .	7	29·984	29·919	·065	29·959	...	29·892	85·1	...	...	86·6	...	...	82·6	83·8	...	...	...	78·3	78·0	...
	Zanzibar . .	72	30·139	30·025	·114	30·089	+·035	30·068	80·8	72·5	8·3	83·3	70·9	12·4	76·2	79·7	77·0	—0·1	69·0	71·6	71·2	70·3
	Diego Garcia¶, **	...	29·992	29·900 (a)	·092	29·946	...	...	83·1 (a)	75·9	7·2	85·6	72·4	12·6	79·8	80·0 (a)	79·5 (a)	...	...	74·8	74·4 (a)	...
	Seychelles . .	15	·053	29·956	·097	·013	+·040†	29·953	79·9	75·2	4·7	81·0	72·2	8·8	77·9	78·8	76·1	—0·5†	69·0	72·7	73·1	71·6
	Mauritius . .	181	...	...	...	·023	+·002	30·155	...	...	...	77·3	49·9	27·4	...	...	66·4	—1·6	...	...	...	60·4

N. B.—Elevations in italics indicate barometric determinations.
NOTE.—The barometric readings are not reduced to sea-level, in the cases of hill or plateau stations, the elevations of which exceed 3,300 feet.
(c) Mean of 27 days.
¶ Observations of 9 hrs. and 15 hrs.
** Uncorrected.
(a) Mean of 30 days.

A.

stations in India, etc., in August 1907.

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
																									%	%						
																															Baluchistan.	
·490	·356	·285	·357	—·017	73	33	22	43	— 1	1·1	2·9	2·0	+0·5	50	2	...	...	...	1	...	3	6	N55°W	N76°W	14	33	(b) 26*	65	1·12	0·98	Quetta	18
																															Hill Stations excluding Kashmir and Baluchistan.	
·470	·524	·538	·512	—·014	93	90	90	92	+ 1	8·5	9·4	9·0	+0·1	9	28	1	...	1	17	1	...	5	N12°W	N33°E	23	19	100*	86	15·00	2·64	Simla	
...	·496	·512	...	...	...	74	78	...	...	7·5	7·5	7·5	...	24	1	2	2	...	14	14	4	1	S28°W	...	39	...	57*	...	7·05	1·44	Sarain	
...	·371	·362	...	...	...	87	87	...	...	9·1	8·9	9·0	...	18	4	...	2	7	7	2	9	13	N89°W	...	21	...	133*	...	10·44	3·06	Kalabagh	
·505	·578	·583	·556	+·014	98	92	92	95	+ 3	9·4	9·4	9·4	+0·8	17	3	1	...	14	26	1	...	...	S17°E	S66°W	55	42	139*	130	12·14	2·88	Chakrata	
·466	·531	·553	·517	...	96	89	88	93	...	8·4	7·6	8·0	...	21	2	2	5	4	4	2	21	1	S74°W	...	23	...	169*	...	6·55	1·64	Muktesar	
·623	·686	·733	·681	—·001	89	74	74	80	— 2	5·8	7·3	6·6	—0·5	...	...	...	7	...	...	...	55	...	W	N66°W	77	2	11	18	12·72	1·60	Katmandu	
·485	·565	·597	·539	+·029	95	93	92	94	— 2	7·8	7·6	7·7	—1·2	25	1	4	1	2	...	12	6	11	N84°W	S84°E	27	38	67*	89	15·21	3·97	Darjeeling	
·606	(c) ·666	·693	·661	—·007	94	(c) 94	92	94	+ 3	(c) 9·4	9·3	9·4	+0·3	...	...	...	...	...	...	12	35	11	S89°W	N84°W	88	73	336*	225	33·85	6·10	Pachmarhi§	
·613	·657	·667	·652	+·036	98	99	95	98	+ 7	9·9	9·2	9·6	+1·2	...	1	...	1	3	6	39	9	3	S47°W	S57°W	78	75	263*	26.	61·13	16·53	Mount Abu	
·622	·644	·670	·651	0	99	96	93	97	+ 2	9·3	9·0	9·2	+0·3	2	3	1	...	...	...	...	...	56	N42°W	N36°W	93	74	186*	27.	26·24	4·24	Chikalda	
·372	·405	·403	·388	...	93	87	87	89	...	9·5	9·6	9·6	...	...	1	...	...	...	...	10	43	8	S89°W	...	90	...	236*	...	8·00	0·97	Ootacamund	
·397	·399	·407	·381	...	87	83	91	87	...	8·0	9·5	8·8	...	...	2	...	...	2	1	...	22	32	N62°W	...	79	...	435	...	6·36	1·37	Kodaikanal§	
...	·355	·343	...	...	...	94	91	...	...	9·7	9·8	9·8	...	...	...	...	...	...	...	6	52	4	S89°W	...	98	...	1090	...	5·80	0·60	Dodabetta	
																															Extra India.	
...	·913	·896	...	...	...	83	80	...	...	6·5	6·8	6·7	...	...	1	...	...	...	...	12	33	16	N86°W	...	89	...	323*	...	6·52	0·98	Minicoy	
·626	·717	·649	·686	—·031	78	79	64	75	— 3	5·6	4·7	5·2	+0·3	3	2	2	3	13	24	13	2	...	S4°E	S9°E	63	77	165*	106	2·07	1·02	Zanzibar	
...	·792	(a) ·778	...	...	...	78	(a) 76	...	...	3·8	(a) 5·6	4·7	...	...	3	3	4	29	16	4	1	1	S34°E	...	65	...	6	...	6·78	4·06	Diego Garcia	
·831	·740	·744	·713	—·034	72	77	75	76	— 2	6·1	4·9	5·5	—0·9†	...	...	...	...	38	17	6	1	...	S24°E	S35°E	85	89	336	316	1·35	0·36	Seychelles	
...	...	...	·442	—·066	...	...	...	68	— 7	...	...	6·0	+0·5	...	...	...	...	...	...	...	...	...	S53°E	S68°E	...	...	237	296	0·12	0·06	Mauritius	

† Departures from old normals.
‡ Mean of three previous columns.

* Corrected.
(b) Mean of 30½ days.
§ Wind observations Less 4.
§ Wind variable 2.

Table B.—Abstract of observations taken at 8 hrs. at 237 stations in India, etc., in August, 1907.

(1) Provincial means.

(2) Data of stations.

(1) Provincial means based on the material in Table B (2) except that the statement of rainfall depends on the complete data of about 2,500 stations.

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	—·029	86·3	—0·7	75·6	+0·3	81·0	—0 2	10·8	17·9	+0·1	+ 1	90	+ 1	·881	+·007	8·3	+0·3	19·27	15·88	+3·39
Eastern Bengal and Assam	—·054	89·1	+1·4	78 3	+0·6	83 7	+1·0	10·7	17 3	—0·1	+13	88	— 3	·952	0	6·3	—2·0	11·19	15·85	—4·66
Bengal	—·072	88·6	+0·3	78·2	+0·5	83·4	+0·4	10·4	17·7	+0 7	+ 6	88	0	·947	—·001	7·1	—0·4	12·49	12·15	+0·34
United Provinces of Agra and Oudh.	—·039	90·6	+0·7	78·1	+0·2	84 4	+0·5	12·5	20·4	—0·5	+ 3	86	— 1	·936	+·014	6·4	—0·7	11·26	11·52	—0·26
Punjab	—·021	94·9	—1·5	79·2	—0·1	87·1	—0 8	15·7	29·5	+0·1	—14	79	+ 3	·912	+·034	4·1	—0·3	7·14	5·65	+1·49
North-West Frontier Province	—·018	99·7	—0·5	79·1	—0·3	89·4	—0·4	20·6	37·7	—0 9	+ 6	71	— 2	·863	—·035	2·7	—0·1	3·58	3·38	+0·20
Sind	—·029	96·7	+0·9	80·9	+1·3	88·6	+1·1	15·8	27·6	—4·0	—10	77	+ 3	·942	—·001	5·3	+0·3	3·74	2·21	+1·53
Rajputana	—·033	88·1	—3·3	76·5	—0·4	82·3	—1·9	11·6	20·3	—0 5	—29	85	+ 8	·852	+·053	7·4	+0·2	12·10	6·36	+5·74
Bombay	—·018	82·7	—2·9	73·8	—0·4	78 3	—1·7	8·9	16·2	+1·1	+ 7	88	+ 3	·819	+·006	8·2	+0·6	16·08	9·98	+6·10
Central India	—·036	88·6	—1·9	74·3	+0 2	78 9	—0·8	9·3	17·3	—0·1	+ 7	90	+ 3	·819	—·005	9·3	+1·5	15·20	11·28	+3·92
Central Provinces	—·031	82·5	—2·9	72·6	—0·7	77·6	—1·8	10·0	18·8	+2·2	+12	88	+ 1	·778	—·030	8·8	+0·3	13·96	10·39	+3·57
Hyderabad	—·012	83·3	—3·3	71·0	—0·5	77·2	—1·9	12·2	21·4	+0·2	+ 1	82	0	·690	—·034	7·2	—0·5	7·66	7·10	+0·56
Mysore	+·007	78·9	—2·7	66·0	—0·2	72 4	—1·5	12·9	21·6	+0·9	+ 7	86	+ 3	·623	—·007	9·1	+0·7	6·99	5·08	+1·91
Madras	+·008	90·1	—0·7	75·8	+0·1	83·0	—0·3	14·3	23 9	+2·1	+ 7	75	— 2	·774	—·032	7·2	+0·4	7·41	6·00	+1·41

Table

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

Number of subdivision.	Station.	Elevation of bar. cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between and maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	I.—Burma ...																						
2	Mergui* . .	119	29·770	—·016	29·833	29·825	7th	29·693	25th	·133	76·2	82·0	—2·2	73·5	+0·9	77·8	—0·7	8·5	87·9	3rd	71·4	20th & 21st	16·5
	Tavoy . . .	19	29·864	0	29·815	29·941	2nd	29·780	9th	·161	75·3	80·3	—2·5	73·7	—0·1	77·0	—1·3	6·6	85·0	4th	72·3	24th	13·7
	Moulmein . .	94	29·746	+0·08	29·778	29·834	2nd	29·637	24th	·197	76·0	80·9	—2·1	73·4	—0·7	77·2	—1·4	7·5	85·5	28th	71·8	21st	13·7
	Rangoon . .	36	29·756	—0·31	29·729	29·844	2nd	29·661	24th	·183	78·7	84·1	—1·0	75·8	+0·1	79·9	—0·5	8·3	87·6	27th	73·4	19th	14·2
	Bassein* . .	27?	29·745	—·029	29·710	29·821	2nd	29·651	24th	·170	78·4	84·0	—0·5	75·6	—0·1	79·8	—0·3	8·4	88·7	28th	73·9	7th & 8th	14·8
	Diamond Island .	41	29·739	—·033	29·715	29·819	3rd	29·648	14th	·171	80·5	83·7	—0·6	75·6	0	79·7	—0·3	8·1	85·4	8 days	72·2	24th	13·2
	Toungoo . .	183	29·593	—·027	29·713	29·671	3rd	29·473	24th	·198	78·1	87·0	+0·3	75·5	+0·5	81·3	+0·4	11·5	95·4	28th	72·6	11th	22·8
	Kyaukpyu . .	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Akyab . . .	20	29·665	—·067	29·628	29·779	21st	29·558	25th	·221	79·1	83·2	—1·2	77·4	+0·1	80·3	—0·6	5·8	86·9	26th	75·7	11th	11·2
3	Thayetmyo . .	121	29·613	—·039	29·676	29·701	2nd	29·516	24th	·185	79·8	88·7	—0·2	76·7	+0·6	82·7	+0·2	12·0	92·5	22nd	74·4	8th	18·1
	Minbu . . .	*165*	29·541	—·041	29·650	29·612	21st	29·459	24th	·153	79·6	90·2	—0·4	77·2	+0·2	83·7	—0·1	13·0	93·7	30th	75·1	14th	18·6
	Yamethin . .	657	29·073	—·035	29·683	29·147	29th	28·979	24th	·168	77·9	88·7	—1·1	74·4	+0·1	81·5	—0·5	14·3	93·3	1st	72·7	13th & 21st	20·6
	Mandalay . .	250	29·459	—·036	29·657	29·530	2nd	29·367	5th	·163	82·4	95·2	+1·9	79·2	+1·6	87·3	+1·8	16·0	99·0	7th	73·8	5th	25·2
	Monywa . .	*230*	29·426	...	29·645	29·511	3rd	29·332	5th	·179	81·8	94·2	...	79·6	...	86·9	...	14·6	98·8	6th	76·6	21st	22·2
	Lashio . . .	*2,751*	26·945	—·044	26·891	27·029	2nd	26·850	5th	·179	72·5	82·2	—0·9	69·5	+0·4	75·9	—0·3	12·7	87·5	25th	68·0	11th & 25th	19·5
	Bhamo . . .	*381*	29·325	—·020	29·662	29·393	20th	29·230	5th	·163	78·5	88·4	+0·3	75·6	+0·2	82·0	+0·3	12·8	94·9	26th	74·1	4th, 5th & 13th	20·8
	Myitkyina . .	458	29·216	...	29·632	29·314	2nd	29·116	5th	·193	79·5	88·6	...	76·4	...	82·5	...	12·2	95·7	12th	74·1	2nd & 5th	21·6
	II.—Eastern Bengal and Assam.																						
4	Dibrugarh . .	353	29·290	...	29·601	29·366	21st	29·209	5th	·157	80·1	88·4	...	76·9	...	82·7	...	11·5	93·9	14th & 15th	74·1	31st	19·8
	Sibsagar . .	333	29·338	—·045	29·626	29·412	21st	29·249	14th	·163	81·8	89·4	+0·2	77·9	+0·2	83·7	+0·2	11·5	94·1	16th	71·7	16th	22·4
	Tezpur. . .	252	29·395	...	29·601	29·554	20th	29·307	5th	·247	81·0	90·7	...	78·6	...	84·7	...	12·1	94·6	13th & 14th	75·4	20th	19·2
	Gauhati . .	195	29·450	...	29·600	29·537	21st	29·356	5th	·181	81·5	91·8	...	77·9	...	84·9	...	13·9	95·0	15th	76·1	13th & 25th	18·9
	Dhubri . . .	115	29·503	—·060	29·574	29·583	21st	29·412	5th	·171	81·2	88·0	+2·0	79·0	+0·7	83·5	+1·4	9·0	91·2	13th	74·8	30th & 31st	16·4
	Silchar . . .	104	29·558	—·060	29·615	29·658	21st	29·458	14th	·200	81·5	92·1	+2·6	77·3	+0·5	84·7	+1·6	14·8	98·0	26th	74·8	20th	23·2
5	Cox's Bazar . .	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Chittagong . .	87	29·567	—·060	29·601	29·674	21st	29·461	25th	·213	80·5	86·8	+1·3	76·2	+0·1	81·5	+0·7	10·6	90·1	12th & 14th	74·9	19th	15·2
	Noakhali . .	43	29·589	...	29·579	29·636	21st	29·511	14th	·175	80·3	85·2	...	77·5	...	81·4	...	7·7	87·8	14th	75·4	20th	12·4
	Barisal . . .	12	29·594	—·058	29·552	29·605	21st	29·508	14th	·157	82·0	86·9	+0·1	78·6	+0·4	82·8	+0·3	8·3	90·3	31st	75·1	19th	15·2
	Comilla . .	36	29·601	...	29·585	29·702	21st	29·509	14th	·193	81·1	88·7	...	77·1	...	82·9	...	11·6	93·3	14th	75·3	14th	18·0
	Narayanganj .	26	29·591	—·056	29·565	29·690	21st	29·493	25th	·197	82·2	88·5	+1·0	79·3	+0·3	84·0	+0·7	9·2	91·5	14th	77·3	21st	14·2
	Faridpur . .	46	29·563	...	29·559	29·646	21st	29·479	14th	·167	82·2	87·9	...	75·7	...	83·3	...	9·2	90·8	26th	74·9	21st	15·9
	Sirajganj . .	49	29·586	...	29·565	29·655	21st	29·468	5th	·187	81·1	89·1	...	78·6	...	83·4	...	9·5	91·3	26th	76·2	20th & 24th	15·1
	Mymensingh .	63	29·576	—·042	29·590	29·662	21st	29·474	5th	·188	82·5	89·2	+2·3	78·7	+0·6	84·0	+1·5	10·5	93·1	26th	76·6	14th	16·5
	Bogra . . .	75	29·535	—·056	29·562	29·609	21st	29·441	5th	·168	82·1	89·8	+1·5	79·1	+0·7	84·5	+1·1	10·7	93·2	26th	76·7	20th	16·5
	Rampur Boalia .	70	29·521	...	29·540	29·604	21st	29·429	14th	·175	83·2	89·6	...	79·5	...	84·6	...	10·1	91·1	14th, 16th & 26th	77·6	21st	13·5
	Malda . . .	72	29·502	...	29·525	29·583	29th	29·413	14th	·170	82·6	89·3	...	78·6	...	84·0	...	10·7	92·3	26th	74·3	30th	18·0
	Dinajpur* . .	123	29·471	—·057	29·549	29·550	21st	29·374	5th	·176	82·7	90·6	+1·8	79·1	+0·5	84·9	+1·2	11·5	92·8	13th	76·5	21st	16·3
	Rangpur . .	133	29·499*	...	29·577*	29·584	21st	29·407	5th	·177	83·2	90·1	...	80·1	...	85·1	...	10·0	93·1	13th	75·1	30th	18·0
	Jalpaiguri . .	394	29·345	—·045	29·596	29·420	21st	29·253	5th & 14th	·167	80·8	89·0	+0·9	78·2	+1·5	83·6	+1·2	10·8	93·9	14th	76·1	10th	17·8
	Cooch Behar .	158	29·470	...	29·580	29·549	21st	29·368	5th	·181	81·7	90·5	...	78·4	...	84·5	...	12·1	94·9	13th	73·6	30th	21·3

N.B.—Elevations in italics indicate barometrical determinations.
Note.—The barometric readings are not reduced to sea-level, in the cases of hill or plateau stations, the elevations of which exceed 3,200 feet.
* Mean of 30 days.

B.

stations in India, etc., in August 1907.

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 1907.	Normal rainfall for period, 1st May to 31st August.	Departure from normal of period, 1st May to 31st August 1907.	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	5	1	...	...	4	3	1	3	N68°W	N87°W	1·5	1·7	−0·2	17	−43	95	+3	·854	+·060	5·3	−2·3	27	25·00	+2·00	39·38	29·97	+9·41	110·47	111·02	−0·55	3·90	Mergui.
29	...	...	...	...	...	2	...	...	S45°W	S62°W	1·6 S	1·6	0	3	−11	96	+3	·846	−·019	9·4	+1·0	31	27·40	+3·60	83·77	47·29	+36·48	207·01	160·05	+46·96	6·80	Tavoy.
17	...	...	...	1	7	4	2	...	S21°W	S4°W	2·3	3·8	−1·5	40	−15	96	+2	·864	−·006	9·5	+1·5	31	27·10	+3·90	68·92	·63	+28·29	195·05	142·37	+52·68	5·97	Moulmein.
1	...	...	1	...	6	16	5	...	S41°W	S57°W	6·0	4·4	+1·6	82	+21	93	−1	·908	−·003	9·3	+0·1	29	23·90	+5·10	24·89	19·85	+5·04	70·96	69·57	+1·39	3·81	Rangoon.
2	...	...	...	1	12	12	1	2	S28°W	S15°W	3·7	4·2	−0·5	72	+15	95	+1	·926	+·011	8·7	+0·1	27	25·40	+1·60	32·02	23·17	+8·85	97·54	82·35	+15·19	2·84	Bassein.
...	...	...	...	1	...	24	6	...	S52°W	S46°W	12·7	8·9	+3·8	92	+17	87	+1	·916	+·026	9·0	+0·4	25	22·10	+2·90	29·24	23·45	+5·79	93·80	82·85	+9 95	4·75	Diamond Island.
6	...	...	...	22	3	...	...	...	S40°E	S34°E	4·7	4·2	+0·5	76	+1	92	0	·901	0	9·2	−0·1	27	24·30	+2·70	30·90	18·68	+2·22	75·18	57·00	+18·18	2·52	Toungoo.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Kyaukpyu.
3	1	...	3	7	11	5	1	...	S11°E	S39°E	4·9	3·4	+1·5	59	+5	96	+2	·962	+·013	8·8	−0·2	29	26·60	+2·40	54·51	42·00	+12·51	169·72	151·29	+15·43	5·00	Akyab.
...	...	...	...	3	16	12	...	...	S14°W	S10°E	5·3 S	6·4	−1·1	92	+10	86	+1	·880	+·007	8·3	−0·4	12	13·20	−1·20	4·67	6·43	−1·76	19·58	23·77	−4·19	1·06	Thayetmyo.
...	...	...	...	28	3	...	...	...	S41°E	S39°E	10·4	12·2	−1·8	99	+7	96	+1	·882	+·010	7·9	+1·7	10	8·60	+1·40	4·86	5·10	−0·24	16·01	19·99	−3·98	1·41	Minbu.
7	...	...	1	15	8	...	...	...	S32°E	S28°E	7·7	8·3	−0·6	76	−12	88	+1	·848	+·003	9·8	+4·8	10	11·50	−1·50	3·24	6·40	−3·16	22·64	21·54	+1·10	0·77	Yamethin.
...	...	...	...	11	17	3	...	...	S11°E	S1°W	8·7	8·0	+0·7	92	+12	78	−1	·860	+·002	5·1	−2·5	20	7·00	+13·00	4·25	3·99	+0·26	12·65	18·38	−5·73	2·09	Mandalay.
2	...	...	...	10	10	9	...	...	S2°E	...	4·2	...	...	76	..	91	...	·872	...	6·1	...	8	7·70	+0·30	3·28	4·62	−1·34	12 76	16·03	−3·27	1·64	Monywa.
19	...	...	1	...	4	7	...	...	S24°W	...	3·3 S	...	...	33	...	91	0	·730	−·012	8·7	−0·3	21	...	..	12·04	12·84	−0·80	38·98	44·38	−5·40	1·38	Lashio.
21	...	...	...	...	..	...	...	...	(a)	N89°W	0·7	1·6	−0·9	...	...	94	+2	·910	+·012	8·6	+0·4	17	19·60	−2·60	14·59	16·55	−1·96	43·90	55·74	−11·84	2·86	Bhamo.
31	...	...	...	...	..	...	...	...	(a)	...	0·4 S	...	...	...	...	93	...	·938	...	9·2	...	18	...	...	23·24	...	...	54·60	...	...	5·57	Myitkyina.
																																II.—Eastern Bengal and Assam.
26	...	1	1	..	...	1	..	...	E	...	0·2	...	...	3	...	91	...	·933	...	8·4	...	16	18·40	−2·40	13·05	19 25	−6·20	60·14	73·88	−13·74	2·80	Dibrugarh.
9	5	2	...	...	2	8	...	5	N73°W	S1°W	1·9	2·7	−0·8	27	+11	89	−5	·959	−·005	5·2	−3·9	16	17 70	−1·70	14·66	16·54	−1·88	59·56	59·87	−0·31	3·85	Sibsagar.
30	..	1	..	...	...	...	...	...	N45°E	...	3·0	...	...	3	...	91	...	·965	...	7·3	...	14	15·50	−1·50	9·37	13·14	−3·77	44·78	48·46	−3·68	1·33	Tezpur.
17	1	4	2	4	2	1	...	...	S76°E	...	2·1	...	...	23	...	88	...	·948	...	6·6	...	8	13·30	−5·30	6·80	10·56	−3·76	44·69	42·37	+2·52	2·23	Gauhati.
2	...	4	12	4	8	.	1	...	S64°E	S69°E	6·1	4·4	+1·7	62	+30	91	0	·976	+·035	8·0	−0·5	11	14·50	−3·50	4·35	13·29	−8·94	56·19	67·38	−11·19	1·45	Dhubri.
31	...	...	...	...	...	...	...	...	(a)	S87°E	0·2	3·5	−2·3	...	...	87	−4	·938	+·001	4·6	−4·7	20	21·50	−1·50	14·96	20·26	−5·30	79·11	77·92	+1·19	2·17	Silchar.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Cox's Bazar.
..	...	1	2	24	2	1	...	..	S45°E	S41°E	7·7	6·3	+1·4	89	+17	87	−2	·903	−·009	6·8	−1·4	16	17·94	−1·94	13·86	16·86	−4·00	40·07	68·87	−28·80	3·19	Chittagong.
4	...	...	10	13	2	2	...	...	S54°E	...	8·3	...	...	72	...	88	...	·910	...	6·2	...	24	22·58	+1·42	20·64	23·93	−3·29	79·30	79·38	−0·08	3·42	Noakhali.
2	...	2	5	6	11	4	1	...	S22°E	S17°E	3·3	3·6	−0·3	62	+26	87	−2	·948	−·017	6·8	−1·8	18	18·74	−0·74	8·24	12·29	−4·05	53·30	51·52	+1·78	1·69	Barisal.
1	...	...	3	8	19	...	...	...	S20°E	...	5·5	...	...	89	...	87	...	·923	...	4·2	...	16	17·14	−1·14	9·73	15·80	−6·07	46·21	61·77	−15·56	1·88	Comilla.
1	...	...	7	20	3	...	...	...	S51°E	S32°E	6·8	7·1	−0·3	89	+21	87	−3	·959	−·013	7·9	−0·8	13	17·83	−4·83	8·13	12·01	−3·88	40·61	46·40	−5·79	1·92	Narayanganj.
1	...	...	7	14	9	...	...	...	S42°E	...	4·7	...	...	82	...	87	...	·962	...	6·1	...	19	16·22	+2·78	5·79	12·08	−6·29	51·15	45·60	+5·55	0·94	Faridpur.
14	...	...	13	4	...	...	...	...	S79°E	...	4·3	...	...	53	...	90	...	·958	...	7·1	...	16	13·87	+2·13	6·99	10·86	−3·87	41·58	41·68	−0·10	1·49	Sirajganj.
2	..	...	12	14	3	...	.	.	S59°E	S56°E	3·5	3·6	−0·1	82	+14	86	—	·951	−·004	8·0	0	13	15·90	−5·90	4·30	14·34	−10·04	43·73	59·97	−16 24	0·62	Mymensingh.
11	...	4	16	..	...	...	...	.	N82°E	S55°E	1·8	3·6	−1·8	62	−9	87	−2	·950	−·018	7·3	+0·1	9	15·90	−6·90	3·77	11·62	−7·85	40·09	45·20	−5·11	1·09	Bogra.
28	...	...	1	2	...	...	...	...	S63°E	...	4·2 S	...	...	7	...	85	...	·973	...	5·9	...	12	14·68	−2·68	4·31	10·53	−6·22	27·29	38·23	−10·94	1·28	Rampur Boalia.
4	...	4	15	6	2	...	...	..	S82°E	...	7·2 S	...	...	72	...	88	...	·987	...	6·5	...	13	14·48	−1·48	4·51	10·27	−5·76	32·55	25·08	−2·53	0·70	Malda.
...	...	4	15	10	...	1	...	...	S78°E	S68°E	5·4	3·8	+1·6	79	+11	88	−2	·981	+·018	5·7	−2·3	10	15·71	−5·71	5·73	14·01	−8·28	46·74	50·01	−3·27	1·25	Dinajpur.
14	..	2	8	4	3	...	...	...	S72°E	...	1·8	...	...	43	...	84	...	·961	...	3·7	...	8	13·35	−5·35	4·30	13·02	−8·72	50·55	59·35	−8·80	1·54	Rangpur.
7	1	9	7	5	...	1	1	..	N79°E	N78°E	2·7	...	...	49	−8	91	−1	·957	+·011	3·7	−4·6	21	18·38	+2·62	18·46	24·37	− 5·41	85·68	93·15	−7·47	4·39	Jalpaiguri.
17	...	1	10	1	...	2	..	..	S81°E	...	1·3	...	...	33	...	87	...	·943	...	7·3	...	15	16·73	−1·72	30·18	20·42	+9·76	124·66	93·41	+31·45	5·30	Cooch Behar.

S Uncorrected.
(a) Indeterminate.

Table

(2) *Abstract of observations taken at 8 hrs. at 227*

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.																						
6	Saugor Island	25	29·521	—·100	29·490	29·647	22nd	29·336	14th	·311	82·4	88·0	+0·8	80·0	+0·2	84·0	+0·5	8·0	91·9	2nd	76·1	18th	15·8
	Midnapore	149	29·399	..	29·494	29·503	22nd	29·263	20th	·240	81·8	88·6	...	78·6	...	83·6	...	10·0	92·3	1st & 5th	74·7	18th	17·6
	Calcutta	21	29·541	—·083	29·505	29·639	22nd	29·418	14th	·221	82·0	88·4	+0·7	79·2	+0·9	83·8	+0·8	9·2	92·1	7th	75·7	18th & 19th	16·4
	Jessore	33	29·554	—·071	29·534	29·650	21st	29·438	14th	·212	82·6	88·2	—0·4	79·1	+0·4	83·7	0	9·1	91·0	25th	76·2	18th	14·8
	Krishnagar	47	29·521	...	29·516	29·606	29th	29·425	14th	·181	82·3	90·6	...	79·3	...	84·9	...	11·3	93·1	1st	76·5	19th	16·6
	Burdwan	99	29·467	—·080	29·514	29·558	22nd	29·367	14th	·191	81·7	89·4	+0·2	79·4	+0·3	84·4	+0·3	10·0	93·4	1st	76·8	19th	16·6
	Bankura	313	29·231	...	29·493	29·316	22nd	29·141	14th	·175	81·1	88·8	...	78·4	...	83·6	...	10·4	93·1	1st	75·7	20th	17·4
	Raniganj	334	29·236	...	29·521	29·316	22nd	29·148	14th	·168	80·2	88·6	...	78·I	...	83·4	...	10·5	92·5	1st	75·9	20th	16·6
	Berhampore	67	29·514	—·072	29·530	29·591	29th	29·424	14th	·167	82·6	90·7	+2·1	78·8	+0·I	84·8	+1·1	11·9	92·3	4 days	76·2	24th	16·1
	Naya Dumka	489	29·088	...	29·532	29·150	29th	29·001	5th	·149	81.2	89·3	...	77·7	...	83·5	...	11·6	92·0	1st & 27th	75·9	20th, 21st & 27th	16·1
7	Balasore	50	29·499	—·094	29·493	29·619	22nd	29·336	14th	·283	81·3	87·2	—0·7	78·9	+0·9	83·0	+0·1	8·3	91·4	25th	74·9	20th	16·5
	False Point	21	29·552	—·082	29·515	29·669	30th	29·373	14th	·296	80·7	85·6	—1·4	77·1	—1·1	81·4	—1·3	8·5	90·6	1st	73·6	20th	17·0
	Cuttack	80	29·494	—·075	29·517	29·612	22nd	29·344	14th	·268	80·1	87·0	—2·1	77·7	—0·6	82·4	—1·4	9·3	91·4	4 days	73·2	20th	18·2
	Puri	24	29·568	...	29·531	29·696	22nd	29·432	14th	·264	81·3	85·6	...	78·5	...	82·1	...	7·1	89·6	29th	75·1	24th	14·5
	Angul	455	29·121	...	29·535	29·225	22nd	28·979	15th	·246	79·1	85·2		76·4	...	80·8	...	8·8	90·1	24th	73·6	20th	16·5
	Sambalpur	486	29·100	—·070	29·534	29·212	30th	28·919	15th	·293	78·4	84·4	—2·8	76·2	—1·0	80·3	—1·9	8·2	90·6	12th	73·6	29th	17·0
8	Chaibassa	760	28·794	—·066	29·494	28·905	30th	28·672	15th	·233	79·0	88·1	—0·5	77·0	0	82·6	—0·3	11·1	92·4	1st	74·2	24th	18·2
	Ranchi	2,128	27·460	—·059	29·529	27·539	30th	27·341	15th	·198	74·6	82·8	—0·5	73·0	+0·4	77·9	—0·1	9·8	87·2	1st	68·9	25th	18·3
	Purulia	816	28·739	...	29·502	23·825	30th	28·656	15th	·169	77·9	88·0	...	76·2	...	82·1	...	11·8	93·5	1st	74·1	20th	19·4
	Hazaribagh	1,993	27·578	—·063	29·525	27·651	30th	27·472	15th	·179	76·2	84·2	+0·9	73·7	+1·1	78·8	+1·0	10·5	86·7	13th&23th	71·3	24th, 25th and 31st.	15·4
	Daltonganj	730	28·820	...	29·504	28·910	30th	28·696	15th	·214	79·6	88·0	...	77·2	...	82·7	...	10·8	93·1	19th&17th	74·5	19th	18·6
9	Purnea	123	29·470	—·055	29·550	29·540	21st	29·369	5th	·171	82·1	90·3	+1·1	78·5	+0·1	84·4	+0·6	11·8	93·2	13th &14th	76·2	2nd	17·0
	Bhagalpur	160	29·422	...	29·534	29·490	29th	29·330	5th	·160	83·0	90·0	...	78·9	...	84·5	...	11·1	93·2	14th& 27th	77·3	20th, 21st and 25th.	15·9
	Monghyr	155	29·410	...	29·516	29·476	29th	29·312	14th	·164	82·9	89·8	...	78·6	...	84·2	...	11·2	93·9	13th& 14th	71·9	29th	22·0
	Darbhanga	165	29·420	—·053	29·539	29·490	29th	29·316	5th	·164	82·9	90·8	+2·3	79·5	+0·2	85·2	+1·3	11·3	94·6	13th, 14th and 15th.	76·8	29th, 30th	17·8
	Pusa	166	29·413	...	...	29·469	18th	29·318	5th	·151	85·2	90·6†	...	78·8	...	84·7†	...	11·8	95·2	15th	75·8	29th	19·4
	Muzaffarpur	178	29·410	...	29·542	29·470	18th	29·316	5th	·154	83·9	90·5	...	79·6	...	85·1	...	10·9	95·7	15th	76·5	29th	19·2
	Motihari	224	29·362*	...	29·544*	29·421	18th	29·280	14th	·141	82·5	91·5	...	79·2	...	85·4	...	12·3	95·9	14th& 15th	75·3	29th	20·6
	Chapra	181	29·390	...	29·525	29·446	30th	29·303	5th	·143	83·3	91·6	...	79·6	...	85·6	...	12·0	96·4	14th	76·6	29th	19·8
	Patna	183	29·388	—·062	29·523	29·453	18th	29·304	5th	·149	84·1	90·7	+1·6	81·1	+0·6	85·4	+1·1	10·6	94·5	14th &15th	75·7	26th	18·8
	Arrah	190	29·387	...	29·528	29·439	29th, 30th	29·298	5th	·141	83·3	90·5	...	79·8	...	85·2	...	10·7	96·4	14th	77·7	26th&29th	18·7
	Buxar	239	29·321	...	29·514	29·393	30th	29·226	5th	·167	82·6	90·5	...	78·9	...	84·7	...	11·6	96·0	14th	75·1	26th	20·9
	Dehri	351	29·204	...	29·507	28·283	30th	29·112	6th&15th	·171	83·4	89·2	...	79·0	...	84·1	...	10·2	94·8	14th	75·0	26th	19·8
	Gaya	375	29·186	—·063	29·513	29·255	30th	29·099	9th	·156	81·9	89·6'	—0·4	78·3	—0·1	84·0	—0·3	11·3	93·4	12th, 13th and 14th.	75·0	31st	18·4
	IV.—United Provinces of Agra and Oudh.																						
10	Gorakhpur	257	29·320	—·041	29·532	29·389	29th	29·215	5th	·174	83·5	91·5	+1·7	78·7	—0·1	85·1	+0·8	12·8	96·1	14th	75·0	14th	21·1
	Benares	267	29·293	—·053	29·514	29·381	30th	29·198	6th	·183	83·5	89·7	+0·2	78·6	+0·2	84·2	+0·2	11·1	95·1	14th	75·6	25th	19·5
	Allahabad	309	29·246	—·057	29·508	29·336	30th	29·151	5th	·185	83·2	89·9	+0·1	78·4	—0·2	84·2	—0·1	11·5	97·1	14th	74·5	25th &29th	22·6

N.B.—Elevations in italics indicate barometrical determinations.
NOTE.—The barometric readings are not reduced to sea-level, in the cases of hill or plateau stations, the elevations of which exceed 3,200 feet.
* Mean of 30 days.
† Mean of 27 days.

B—*continued.*

stations in India, etc., in August 1907.

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 1907.	Normal rainfall for period, 1st May to 31st August.	Departure from normal of period, 1st May to 31st August 1907.	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:
...	1	5	3	3	5	8	5	1	S20°W	S10°W	S 15·0	13·4	+4·6	27	−20	90	+1	·992	+·002	8·0	−1·1	19	17·00	+2·00	15·89	15·68	+0·21	45·59	46·74	−1·15	5·47	Saugor Island.
...	2	8	6	1	2	9	3	...	...	S86°E	...	4·1	...	...	15	...	86	...	·921	...	6·6	...	22	16·00	+6·00	15·29	12·51	+2·78	42·52	41·27	+1·25	4·85	Midnapore.
2	...	3	9	7	3	7	...	1	S46°E	S18°E	S 6·1	4·7	+1·4	46	−1	89	0	·979	+·015	9·1	+0·6	18	15·88	−0·89	10·05	12·38	−2·33	42·21	41·68	+0·53	1·78	Calcutta.
9	...	1	5	11	4	1	...	...	S43°E	S35°E	3·4	3·7	−0·3	59	+9	90	−1	·992	−·006	7·8	−0·6	15	17·03	−2·03	7·39	10·55	−3·16	45·53	43·07	+2·46	2·15	Jessore.
2	...	2	10	10	4	2	...	1	S58°E	...	3·7	...	...	62	...	90	...	·993	...	5·5	...	10	14·26	−4·26	4·31	10·25	−5·94	30·34	37·04	−6·70	0·75	Krishnagar.
5	2	7	9	2	2	2	2	...	N80°E	S32°E	3·3	3·4	−0·1	40	+8	89	+2	·960	+·017	8·1	−0·6	13	16·48	−3·48	4·64	11·25	−6·61	31·32	40·00	−8·68	0·87	Burdwan.
15	2	7	2	2	...	2	1	...	N56°E	...	4·1	...	...	27	...	87	...	·919	...	7·6	...	16	16·66	−0·66	7·76	11·66	−3·90	33·16	38·74	−5·58	1·54	Bankura.
27	...	1	2	1	...	...	...	...	E	...	1·5	...	...	11	...	92	...	·957	...	8·1	...	18	16·00	+2·00	7·90	13·01	−5·11	33·30	40·86	−7·56	1·15	Raniganj.
2	...	3	13	7	5	1	...	...	S66°E	S79°E	3·3	4·0	−0·7	69	+29	83	−4	·986	−·001	8·0	−0·9	15	16·39	−1·39	6·87	11·71	−4·84	28·45	37·17	−8·72	1·00	Berhampore.
13	...	...	13	5	...	...	...	...	S77°E	...	3·5	...	...	56	...	88	...	·940	...	6·6	...	15	18·23	−3·23	8·78	13·41	−4·63	23·22	41·11	−12·89	2·19	Naya Dumka.
3	3	3	2	...	4	10	2	6	S66°W	S41°W	4·5	4·3	+0·2	27	−13	85	−4	·915	−·059	7·0	−1·3	16	16·03	−0·03	11·64	11·34	+0·30	27·52	40·31	−12·79	2·15	Balasore.
2	...	...	1	...	...	11	11	6	S80°W	S57°W	10·4	9·8	+0·6	72	+11	90	+2	·941	−·017	8·6	+0·3	19	16·16	+2·84	23·09	13·68	+9·41	44·40	39·10	+5·30	4·60	False Point.
3	...	...	1	...	2	10	11	4	S72°W	S66°W	S 3·6	2·7	+0·9	69	+22	88	+5	·897	+·001	8·5	+0·9	20	16·19	+3·81	35·50	13·20	+22·30	52·76	39·72	+13·04	8·33	Cuttack.
4	1	1	...	...	...	14	9	2	S71°W	...	*14·2	...	...	69	...	86	...	·931	...	8·1	...	15	13·85	+2·15	14·92	12·13	+2·79	23·62	32·97	−9·35	4·07	Puri.
3	1	1	...	1	...	2	12	11	N 71° W	...	9·3	...	...	69	...	87	...	·873	...	6·5	...	13	...	...	20·70	...	...	34·41	...	...	6·55	Angul.
...	1	2	1	...	...	14	6	7	S 82° W	S 30° W	5·7	4·4	+1·3	59	− 1	88	+2	·871	−·015	9·4	+1·3	24	17·10	+6·90	35·83	17·63	+18·20	56·50	53·42	+3·08	5·74	Sambalpur.
17	1	4	3	...	...	1	3	2	N 10° E	S 54° W	0·5	1·8	−1·3	17	−16	90	+3	·891	−·012	7·4	−0·3	23	16·94	+6·06	12·50	11·77	+ 0·73	32·47	36·96	−4·49	1·55	Chaibassa.
2	1	6	7	2	2	2	4	5	N 43° E	S 56° W	9·1	7·3	+1·8	20	+ 6	92	+3	·788	−·011	9·2	+1·2	26	17·84	+8·16	20·57	11·27	+ 9·30	47·18	39·52	+7·66	3·48	Ranchi.
1	3	10	5	1	1	3	6	1	N 30° E	...	4·6	...	...	30	...	96	...	·918	...	8·4	...	21	16·52	+4·48	14·02	12·30	+ 1·72	35·98	37·52	−1·56	3·70	Purulia.
2	2	2	9	4	4	1	2	4	S 80° E	S 5° W	7·6	7·7	−0·1	27	+ 2	87	−2	·784	−·019	8·9	+0·1	20	17·77	+2·23	19·07	12·60	+ 6·47	44·87	38·45	+6·42	3·89	Hazaribagh.
11	2	4	6	...	1	3	4	...	N 56° E	...	4·5	...	...	10	...	91	...	·928	...	7·9	...	24	15·74	+8·26	30·69	12·11	+18·53	55·33	31·76	+23·57	7·60	Daltonganj.
3	...	11	6	11	...	...	...	...	E	S 89° E	3·1	3·0	+0·1	69	+15	91	+1	1·002	+·022	6·5	−1·1	10	16·57	−6·57	5·95	14·40	− 8·45	41·96	43·75	− 1·79	1·39	Purnea.
5	1	6	10	5	1	1	2	...	E	...	3·2	...	...	48	...	84	...	·972	...	5·8	...	16	13·32	+2·68	6·27	11·26	− 4·99	31·06	34·55	− 3·49	0·95	Bhagalpur.
1	...	2	20	5	...	...	2	1	S 87° E	...	7·5	...	...	72	...	93	...	1·061	...	7·3	...	16	...	...	10·44	...	...	32·88	...	...	1·54	Monghyr.
8	...	1	17	5	...	...	...	...	S 83° E	S 74° E	4·4	4·4	0	69	+ 5	87	−2	·984	+·012	5·2	−1·6	9	14·07	−5·07	8·32	13·66	− 5·34	24·15	36·68	−12·53	2·58	Darbhanga.
11	...	11	8	...	...	...	...	1	N 59° E	...	...	...	...	55	...	83	...	·999	...	6·6	...	10	...	...	6·14	...	...	21·03	...	...	1·41	Pusa.
5	...	...	13	12	...	...	...	1	S 69° E	...	S 5·3	...	...	72	...	84	...	·977	...	3·5	...	8	13·03	−5·03	10·78	10·64	+ 0·14	23·93	32·19	− 8·26	4·52	Muzaffarpur.
3	2	12	11	2	...	1	...	...	N 68° E	...	5·0	...	...	69	...	87	...	·954	...	4·1	...	10	12·97	−2·97	7·48	12·23	− 4·75	32·09	36·27	− 4·18	3·06	Motihari.
5	2	6	11	3	2	...	...	2	N 76° E	...	† 2·0	...	...	53	...	90	...	1·026	...	4·3	...	9	12·61	−3·61	6·36	9·73	− 3·37	28·18	38·77	− 0·59	1·53	Chapra.
1	3	4	18	1	2	...	1	1	N 79° E	S 78° E	7·0	4·4	+2·6	66	+12	85	−2	·994	+·025	7·0	−1·9	13	13·52	−0·52	5·90	12·58	− 6·68	22·87	35·71	−12·84	1·50	Patna.
3	1	6	11	4	4	...	1	1	S 86°E	...	2·8	...	...	53	...	85	...	·975	...	3·8	...	17	12·87	+4·13	7·10	10·50	− 3·40	24·27	32·27	− 8·00	1·35	Arrah.
...	2	1	19	1	...	1	4	3	N 78° E	...	4·9	...	...	46	...	87	...	·964	...	6·7	...	13	13·35	−0·35	9·42	11·29	− 1·87	18·55	29·33	−10·78	1·92	Buxar.
3	1	3	13	2	..	1	4	4	N 66° E	...	6·7	...	...	33	...	87	...	·957	...	7·9	...	17	14·44	+2·56	14·25	12·92	+ 1·33	31·94	31·91	+ 0·03	2·55	Dehri.
3	3	16	1	1	1	3	3	...	N 37° E	S 52° E	3·6	3·7	−0·1	43	+24	88	+2	·957	+·026	6·5	−1·5	21	14·26	+6·74	19·90	13·18	+ 6·72	47·15	35·26	+11·89	3·45	Gaya.
																																IV.—United Provinces of Agra and Oudh.
9	2	9	5	3	...	...	2	1	N 57° E	S 88° E	S 1·9	2·2	−0·3	43	+ 7	85	− 3	·956	+·001	5·5	−0·4	10	14·10	−4·10	8·75	13·24	− 4·49	19·07	37·42	−18·35	2·79	Gorakhpur.
3	1	3	13	2	...	...	6	5	N 49° E	S 54° E	3·9	4·1	−0·2	27	+16	88	− 1	·991	+·029	8·3	+0·3	20	13·40	+6·60	16·23	13·05	+ 3·18	27·97	30·37	− 2·40	2·87	Benares.
3	1	3	9	1	...	1	11	2	N 23° W	N 79° W	5·4	6·6	−1·2	10	+ 6	84	− 3	·939	−·015	8·6	−0·1	17	11·80	+5·20	14·24	13·03	+ 1·21	22·79	30·89	− 8·10	1·74	Allahabad.

* Mean of 29 days. † Mean of 27 days.
S Uncorrected.

Table

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

Number of sub-division.	Station.	Elevation of bar. cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of Air.												
			Mean 8 hrs. pressure reduced to 32°	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	IV.—United Provinces of Agra and Oudh—*concld.*																						
	Cawnpore . .	416	29·156	—·035	29·529	29·248	30th	29·045	5th	·203	82·2	90·9	+1·0	78·9	+0·6	84·9	+0·8	12·0	95·9	13th&14th	76·7	2nd	19·2
	Lucknow . .	368	29·202	—·040	29·527	29·278	30th	29·090	5th	·188	82·1	92·3	+2·0	78·7	+0·1	85·5	+1·1	13·6	98·0	14th	74·1	29th	23·9
	Bahraich . .	401	29·165	—·042	29·522	29·230	29th	29·048	5th	·182	84·4	94·2	?	79·8	+1·8	87·0	?	14·4	99·1	4 days	76·0	2nd&20th	23·1
11	Jhansi . . .	858	28·751	?	29·543	28·894	30th	28·629	6th	·265	79·8	88·0	—0·9	77·4	+0·3	82·7	—0·3	10·6	93·2	6th	75·1	28th&31st	18·1
	Agra . . .	556	29·018	—·039	29·533	29·143	30th	28·905	6th	·238	82·2	90·6	—0·5	78·9	+0·1	84·8	—0·2	11·7	95·0	23rd	75·5	3rd, 15th & 16th.	19·5
	Mainpuri . .	516	29·063	?	29·533	29·162	30th	28·956	5th	·206	83·0	91·8	+1·0	79·3	+0·9	85·6	+1·0	12·5	95·8	15th	75·3	15th & 28th.	20·5
	Bareilly . . .	568	28·999	—·037	29·530	29·078	12th	28·879	5th	·199	81·6	91·5	+1·6	77·1	—0·9	84·3	+0·4	14·4	93·3	5 days	71·0	20th	22·3
	Meerut . . .	738	28·832	—·033	29·530	28·931	30th	28·719	5th	·212	83·7	92·0	+1·1	75·3	0	85·2	+0·6	13·7	95·6	2nd	75·8	2nd, 24th & 25th.	19·8
	Roorkee . .	899	28·685	—·026	29·546	28·754	12th & 30th	28·583	5th	·171	82·1	90·5	—0·2	78·0	+1·0	84·3	+0·4	12·5	93·0	8th&15th	75·4	2nd, 20th & 30th.	17·6
	Dehra Dun . .	2,233	27·394	—·030	29·560	27·461	12th	27·300	5th	·161	76·6	85·5	+1·5	73·4	+0·3	79·5	+0·9	12·1	89·0	5th	71·5	27th	17·5
	V.—Punjab.																						
12	Delhi . . .	718	28·860	—·024	29·538	28·970	30th	28·758	5th	·212	82·8	91·9	+0·1	79·9	+0·6	85·9	+0·4	13·0	96·7	31st	74·7	16th	22·0
	Sirsa . . .	662	28·902	—·020	29·524	28·991	30th	28·784	9th	·207	83·7	93·3	—5·1	78·8	—1·4	86·1	—3·3	14·5	98·8	23rd	71·1	16th	27·7
	Patiala . . .	818	28·744	...	29·523	28·851	30th	28·618	6th	·233	83·4	90·9	...	77·7	...	84·3	...	13·2	103·8	2nd	72·0	17th	31·8
	Ambala . . .	892	28·074	—·020	29·526	28·747	30th	28·567	1st	·180	81·9	91·1	—1·7	77·2	—0·9	84·2	—1·3	13·9	97·5	2nd	73·0	21st	24·5
	Ludhiana . .	812	28·763	—·014	29·538	28·849	30th	28·651	1st	·198	82·6	92·1	—2·9	75·1	—0·5	85·8	—1·7	14·0	97·4	1st	74·6	2nd & 3rd	22·8
	Lahore . . .	702	28·846	—·027	29·513	28·937	30th	28·733	1st	·204	83·7	95·2	—3·0	79·9	?	87·6	?	15·3	105·9	2nd	75·2	23rd	30·7
	Sialkot . . .	830	28·730	—·023	29·524	28·829	21st	28·603	1st	·226	82·8	92·9	—1·8	78·6	+0·9	85·8	—0·5	14·3	100·7	2nd	74·1	19th	26·6
	Rawalpindi . .	1,674	27·901	—·030	29·532	27·993	21st	27·789	1st	·204	81·1	94·0	+0·1	75·3	+0·1	84·7	+0·1	18·7	101·0	9th	69·1	21st	31·9
13	Khushab . .	612	28·951	?	29·526	29·047	21st	28·772	1st	·275	86·9	98·9	—1·3	81·1	+0·3	90·0	—0·5	17·8	108·3	3rd	75·3	3rd	33·0
	Montgomery .	558	28·902	—·009	29·510	29·106	30th	28·855	9th	·251	86·9	99·3	—2·7	80·4	—1·2	89·9	—2·0	18·9	106·8	2nd	71·5	16th	35·3
	Multan . . .	420	29·112	—·020	29·490	29·231	30th	28·971	2nd	·260	88·4	101·5	+0·8	83·2	+1·1	92·4	+1·0	18·3	109·9	3rd	78·0	10th	31·9
	VI.—North-West Frontier Province.																						
15	Peshawar . .	1,110	28·451	—·028	29·527	28·559	21st	28·293	9th	·261	84·6	99·2	0	75·0	+0·2	88·6	+0·1	21·2	108·2	3rd	72·9	15th&23th	35·3
	Dera Ismail Khan	590	28·971	—·007	29·504	29·078	21st	28·799	2nd	·279	86·2	100·2	—0·9	80·2	—0·8	90·2	—0·9	20·0	112·2	3rd	72·1	15th	40·1
	VII.—Sind.																						
17	Jacobabad . .	186	29·345	—·021	29·489	29·495	30th	29·224	9th	·271	88·0	103·0	—0·8	83·3	+1·8	93·1	+0·5	19·8	109·6	2nd	78·7	4 days	30·9
	Hyderabad . .	96	29·456	—·037	29·504	29·615	30th	29·337	6th	·278	83·6	97·4	+1·9	79·8	+1·1	88·6	+1·5	17·6	106·2	4th	72·5	22nd	33·7
	Kurrachee . .	30	29·579	—·030	29·558	29·762	30th	29·467	10th	·295	82·9	89·7	+1·5	79·6	+0·9	84·7	+1·2	10·1	93·4	2nd, 5th &7th.	75·2	22nd	18·2
	VIII.—Rajputana.																						
18	Bikaner . .	771	28·785	—·037	29·519	28·946	30th	28·665	5th	·281	83·0	94·5	—2·6	79·9	—0·7	87·2	—1·7	14·6	99·6	3rd	73·0	10th	26·6
	Jodhpur . .	782	28·818	...	29·580	29·002	30th	28·704	10th	·298	78·8	88·0	...	76·7	...	82·4	...	11·3	94·1	16th	72·8	26th	21·3
	Pachpadra . .	380	29·209	—·031	29·545	29·369	30th	29·093	5th	·276	80·6	89·5	—5·0	76·3	—1·1	82·9	—3·1	13·2	95·7	16th	72·8	31st	22·9
19	Jaipur . . .	1,431	28·179	—·036	29·567	28·332	30th	28·077	6th	·255	79·1	88·4	—3·2	75·6	—0·5	82·0	—1·9	12·8	93·7	31st	73·6	29th	21·1
	Sambhar . .	1,254	28·345	—·027	29·559	28·498	30th	28·244	5th	·254	74·4	88·3	—3·0	70·2	—1·0	82·3	—2·0	12·1	93·4	13th	71·4	7 days	19·0
	Ajmer . .	1,611	28·012	—·033	29·579	28·172	30th	27·913	18th	·259	78·2	85·3	—2·9	76·4	+1·1	80·8	—0·9	8·9	88·9	15th & 31st	74·1	29th,& 31st	14·8
	Kotah . . .	8199	28·768	...	29·571	28·921	30th	28·633	17th	·283	79·7	87·8	...	77·2	...	83·5	...	10·6	92·5	2nd	74·6	18th	17·9
	Udaipur . .	1,935	27·788	...	29·595	27·887	30th	27·630	6th	·357	76·3	83·0	...	73·4	...	78·2	...	9·6	87·0	9th & 16th	68·3	31st	18·7

IX Mean of 12 days.

B.—*contd.*

Stations in India, etc., in August 1907.

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 1907.	Normal rainfall for period 1st May to 31st August.	Departure from normal of period 1st May to 31st August 1907.	Heaviest rainfall during month.	Station.
26	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																IV.—United Provinces of Agra and Oudh.—*concld.*
12	...	...	8	2	2	2	4	1	S 39° E	S 2° W	0·8	4·0	−3·2	17	+10	87	0	·959	+·005	4·8	−2·7	16	13·30	+3·70	12·73	11·96	+ 0·77	21·01	27·32	− 6·31	3·17	Cawnpore.
13	...	6	6	2	1	1	1	...	N 88° E	S 88° E	3·6	2·9	+0·7	34	+ 8	89	+ 1	·982	+·039	6·2	−1·7	13	14·20	−1·20	9.17	11·83	− 2·66	13·33	30·08	−16·75	2·36	Lucknow.
8	...	1	10	7	2	...	2	1	S 63° E	S 70° E	3·3	2·8	+0·5	46	− 2	80	− 8	9·46	−·009	6·1	+0·1	8	12·70	−4·70	4·88	16·60	−11·92	14·04	37·14	−23·10	1·96	Bahraich.
18	...	1	...	1	...	7	4	2	S69°W	S85°W	2·8	3·8	−1·0	33	− 3	91	+ 9	·930	?	5·1	−1·6	17	12·70	+4·30	13·96	11·61	+ 2·35	30·62	30·20	− 9·58	2·90	Jhansi.
8	...	2	...	6	...	11	...	4	S33°W	S40°W	3·1	4·9	−1·8	33	+ 4	84	+ 2	·920	+·007	7·8	+1·2	12	10·00	+2·00	15·99	8·14	+ 7·85	19·70	22·20	− 2·50	4·30	Agra.
2	1	3	7	6	2	3	4	3	S50°E	S13°W	2·8	1·6	+1·2	20	+14	98	+ 3	·992	+·059	6·6	−0·2	12	10·90	+1·10	7·28	10·13	− 2·85	12·43	24·4	−11·61	1·96	Mainpuri.
25	...	...	3	...	1	1	1	...	S37°E	S71°E	1·4	2·6	−1·2	7	−15	85	− 3	·926	−·001	7·0	+0·1	11	12·18	−1·18	10·03	14·43	− 4·40	21·97	36·62	−14·65	4·40	Bareilly.
14	...	1	2	7	...	1	6	...	S10°E	S45°E	1·5	1·9	−0·4	17	− 1	80	− 1	·897	?	4·8	−2·1	10	9·40	+0·60	3·57	9·30	− 5·73	5·50	22·74	−17·24	0·86	Meerut.
18	...	...	1	9	...	...	1	2	S45°E	S36°E	2·5	2·4	+0·1	27	− 5	83	− 3	·906	+·028	5·2	−1·5	8	12·10	−4·10	5·99	13·09	− 7·10	17·44	31·83	−14·39	2·15	Roorkee.
29	...	1	...	...	...	...	...	...	N45°E*	S11°E	8 1·2	1·0	+0·2	3	− 1	89	− 1	·823	+·023	7·6	−0·7	20	21·30	−1·30	19·73	30·68	−10·95	32·81	71·21	−38·40	2·94	Dehra Dun.
																																V.—Punjab.
2	...	2	7	8	1	...	8	3	S51°E	S27°W	5·5	3·9	+1·6	17	− 1	82	+ 4	·918	+·057	5·8	−0·9	10	9·30	+0·70	6·51	8·52	− 2·01	7·69	21·13	−13·44	1·88	Delhi.
1	1	4	5	6	3	7	1	3	S33°E	S42°W	5·0	6·3	−1·3	23	−17	80	+ 9	·924	+·069	3·8	−0·9	12	4·80	+7·20	8·24	3·87	+ 4·47	13·25	10·51	+ 2·74	2·02	Sirsa.
4	1	2	4	9	2	...	6	3	S45°E	...	5·0*	...	...	20	...	85	...	·971	...	5·1	...	12	...	...	9·70	...	...	18·51	...	...	3·15	Patiala.
7	...	1	5	9	...	...	3	6	S74°E	S51°E	2·0	1·3	+0·7	17	− 7	86	− 2	·938	−·003	5·8	+0·3	11	7·90	+3·10	11·61	8·03	+ 3·58	16·66	22·70	− 6·04	3·25	Ambala.
7	...	2	...	8	...	3	3	8	S79°W.	S29°E	2·0	1·8	+0·2	13	−26	83	+ 4	·935	+·043	4·5	−1·8	11	7·30	+3·70	17·44	6·35	+11·09	21·17	19·25	+ 1·92	6·03	Ludhiana.
8	1	1	1	11	1	1	6	1	S16°E	S41°E	2·9	2·8	+0·1	23	−17	80	+ 5	·931	+·041	4·4	+0·6	9	5·20	+3·80	6·25	5·30	+ 0·95	9·24	14·17	− 4·93	1·54	Lahore.
12	1	5	6	3	2	1	1	...	S88°E	N83°E	2·0	2·5	−0·5	33	−15	80	+ 1	·893	+·001	3·6	−0·6	8	8·40	−0·40	10·54	9·69	+ 0·85	15·02	21·81	− 6·79	3·85	Sialkot.
18	...	5	2	4	1	...	...	1	N87°E	S82°E	3·0	1·7	+1·3	25	− 4	77	− 3	·836	−·013	4·7	+0·5	8	8·00	0	5·39	8·70	− 3·31	14·49	20·71	− 6·22	1·53	Rawalpindi.
10	1	9	7	1	1	2	...	...	N72°E	N68°E	4·1	6·1	−2·0	46	−11	71	+ 2	·896	+·037	2·5	−0·3	3	2·80	+0·20	3·22	2·73	+ 0·49	6·08	9·75	− 3·67	2·25	Khushab.
3	2	5	6	3	3	7	2	...	S46°E	S12°W	8·8	8·2	+0·6	27	−27	69	+ 6	·860	+·029	2·7	+0·1	7	3·20	+3·80	9·32	2·99	+ 6·33	12·22	6·88	+ 5·34	4·65	Montgomery
7	...	7	4	4	1	7	1	...	S56°E	S14°E	2·9	2·9	0	27	−16	71	+ 3	·943	+·075	3·0	−0·1	3	2·30	+0·70	4·04	2·02	+ 2·02	6·57	5·35	+ 1·22	3·00	Multan.
																																VI.—North-West Frontier Province.
8	8	1	2	...	...	...	5	7	N28°W	N10°W	1·7	3·6	−1·9	53	+10	66	− 5	·788	−·035	3·1	−0·2	3	2·30	+0·70	1·13	2·36	− 1·23	3·04	5·07	− 2·03	0·70	Peshawar.
9	1	3	2	8	1	3	...	...	S80°E	N72°E	2·2	2·0	+0·2	37	+ 1	76	+ 2	·938	+·019?	2·3	+0·1	5	2·40	+2·60	4·15	1·63	+ 2·52	5·45	5·00	+0·45	1·13	Dera Ismail Khan.
																																VII.—Sind.
5	1	1	1	1	7	12	1	...	3	S15°E	S41°E	4·3	4·2	+0·1	49	−21	82	+11	1·022	+·197	3·5	+1·4	5	1·90	+3·10	1·33	1·13	+ 0·20	3·29	2·60	+ 0·69	0·45	Jacobabad.
4	...	1	...	...	4	18	4	..	S45°W	S43°W	8·0	16·3	−8·3	72	−14	70	0	·844	+·079?	4·6	−0·5	7	2·40	+4·60	2·36	2·40	− 0·04	4·81	5·66	− 0·85	0·65	Hyderabad.
...	...	...	...	...	...	2	21	8	N82°W	S76°W	12·6	16·4	−3·8	92	+ 6	80	− 3	·900	−·002	7·7	−0·1	3	1·90	+1·10	3·80	1·77	+ 2·03	5·63	6·14	− 0·51	1·90	Kurrachee.
																																VIII.—Rajputana.
1	1	2	3	2	4	11	7	...	S40°W	S36°W	7·7	7·7	0	45	−34	80	+11	·917	+·077	4·6	+0·1	8	4·90	+3·10	11·46	3·12	+ 8·34	18·64	9·09	+ 9·55	2·51	Bikaner.
3	2	...	...	...	6	16	4	...	S45°W	...	4·5	...	...	69	...	89	...	·875	...	9·1	...	13	5·90	+7·10	8·13	4·56	+ 3·57	10·27	10·51	− 0·24	1·50	Jodhpur.
3	...	...	...	...	9	14	5	...	S 39°W	...	10·7	10·7	0	79	...	82	+3	·852	−·003	4·1	−3·4	9	4·90	+4·10	14·24	3·56	+10·68	18·26	10·31	+7·95	3·68	Pachpadra.
3	1	2	5	3	1	...	7	9	N 41°W	N 88°W	8 4·6	4·7	−0·1	27	−30	86	+7	·851	+·038	7·8	+0·9	14	11·60	+2·40	7·42	8·89	−1·47	14·17	20·70	−6·53	1·62	Jaipur.
4	2	1	6	...	...	1	11	6	N 56°W	N 84°W	8 5·6	7·7	−2·1	37	−35	88	+11	·889	+·094	7·8	+1·5	14	9·40	+4·60	12·59	6·77	+5·82	16·05	16·34	−0·29	2·44	Sambhar.
3	...	3	...	1	1	1	17	6	N 80°W	S 85°W	6·4	6·9	−0·5	66	−16	89	+7	·859	+·060	8·4	+2·1	13	8·90	+4·10	8·70	7·25	+1·45	11·70	17·76	−6·06	2·75	Ajmer.
6	1	...	...	...	...	8	9	7	N 89°W	...	3·5	...	...	63	...	83	...	·836	...	8·2	...	10	10·60	−0·60	1 56	8·92	+2·64	15·18	23·45	−8·27	2·32	Kotah.
8	...	...	...	1	4	12	8	1	S 53°W	...	4·5	...	...	66	...	83	...	·746	...	8·9	...	11	8·70	+2·30	6·83	...	...	16·25	...	...	2·05	Udaipur.

* Mean of 30 days.

§ Uncorrected.

Table

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

Number of sub-division.	Station.	Elevation of bar. cistern above sea-level, in feet.	Pressure, Shrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	IX.—Bombay.																						
20	Deesa	466	29·165	—·046	29·587	29·338	30th	29·054	7th	·284	77·5	84·9	—4·0	75·2	—0·4	80·1	—2·2	9·7	90·3	17th	72·4	19th	17·9
	Bhuj	395	29·242	—·028	29·591	29·414	30th	29·149	6th	·265	76·4	85·0	—3·7	75·6	—0·6	80·3	—2·2	9·4	89·1	7th	72·0	19th	17·1
	Jamnagar	61	29·589	...	29·595	29·757	30th	29·491	6th	·266	79·4	84·5	...	75·9	...	80·2	...	8·6	90·4	7th	72·8	30th	17·6
	Dwarka	37?	29·630	...	29·613	29·793	30th	29·538	6th	·255	80·0	83·2	...	77·6	...	80·4	...	5·6	87·3	7th	74·7	28th	12·6
	Rajkot	429	29·250	—·024	29·635	29·413	30th	29·153	6th	·260	78·1	85·0	—3·9	74·1	—0·4	79·6	—2·2	10·9	91·9	7th	69·7	29th	22·2
	Veraval	*18*	29·690	—·034	29·650	29·845	30th	29·607	6th	·238	78·9	80·8	—1·9	77·3	—0·4	79·1	—1·2	3·5	82·6	4th, 6th & 31st	73·8	22nd	8·8
	Bhavnagar Para	55	29·637	?	29·636	29·803	30th	29·540	6th	·263	79·9	88·6	—3·9	76·1	—1·0	82·3	—2·5	12·5	93·6	7th	72·5	30th	21·1
	Surat	39	29·672	—·027	29·656	29·839	30th	29·573	6th	·266	78·6	82·9	—4·1	75·9	—0·6	79·4	—2·4	7·0	85·5	1st & 6th	73·5	31st	12·0
	Ahmedabad	163	29·499	—·044	29·612	29·672	30th	29·386	7th	·286	78·1	85·5	—4·6	75·8	—1·3	80·7	—3·0	9·7	90·1	4th	71·7	18th	18·4
26	Bombay	37	29·737	—·020	29·714	29·860	30th	29·651	6th	·209	79·3	82·9	—1·1	77·0	0	80·0	—0·6	5·9	85·5	1st & 2nd	74·5	13th	11·0
	Ratnagiri	110	29·715	+·006	29·764	29·803	30th	29·636	10th	·167	78·8	82·1	—1·6	75·3	0	78·7	—0·8	6·8	84·3	2nd, 5th & 7th	72·9	24th & 26th	11·4
	Goa	199	29·634	—·021	29·773	29·708	26th	29·556	6th	·152	78·1	80·8	—1·1	75·1	—0·7	78·0	—0·9	5·7	83·0	2nd	73·0	14th & 16th	10·0
	Mormugao	*60*	29·805	+·009	29·801	29·880	26th	29·716	10th	·164	78·1	82·0	—1·4	75·2	—0·6	78·6	—1·0	6·8	85·0	2nd	73·4	14th	11·6
	Karwar	44	29·814	—·005	29·789	29·866	26th & 30th	29·726	10th	·140	78·1	82·5	—0·5	76·1	+1·5	79·1	+0·5	5·9	83·2	1st, 2nd & 31st	74·5	4th & 30th	8·7
27	Malegoan	1,430	28·298	—·014	29·688	28·430	30th	28·194	6th	·236	75·7	83·7	—2·9	70·7	—0·8	77·2	—1·9	13·0	89·4	30th	65·6	29th & 30th	23·8
	Ahmednagar	2,154	27·621	—·015	29·730	27·741	30th	27·526	6th	·215	72·9	80·6	—4·2	68·1	—0·9	74·4	—2·6	12·5	85·9	30th	62·5	29th	23·4
	Poona	1,846	27·922	—·021	29·728	28·032	30th	27·824	6th	·208	72·9	78·0	—3·9	69·0	—0·5	73·5	—2·2	9·0	81·0	29th	64·8	29th, 30th & 31st.	16·2
	Sholapur	1,590	28·183	—·017	29·732	28·285	30th	28·085	6th	·200	74·9	84·6	—4·2	70·5	—0·1	77·6	—2·2	14·1	91·2	23rd	67·6	29th & 30th.	23·6
	Bijapur	*1,948*	27·847	—·011	29·751	27·935	30 & 31st	27·764	6th	·171	73·0	82·7	—3·4	69·3	—0·6	76·0	—2·0	13·4	89·2	31st	67·2	25th, 29th & 30th.	22·0
	Belgaum	2,539	27·287	—·002	29·781	27·356	31st	27·196	6th	·160	68·9	73·5	—2·6	66·0	—0·2	69·8	—1·4	7·5	77·3	25th & 31st	62·9	30th	14·4
	X.—Central India.																						
21	Neemuch	1,624	28·014	—·042	29,600	28·182	30th	27·916	17th	·266	75·0	83·6	—2·4	73·0	+0·5	77·8	—1·0	9·6	87·5	2nd	69·7	18th & 30th	17·8
	Indore	1,823	27,967?	—·010?	29·653?	28·021	30th	27·766	6th	·255	73·2	79·4	—3·5	70·9	—0·4	75·1	—2·0	8·5	83·1	1st & 12th	67·6	30th	15·5
2	Nowgong	757	28·829	—·044	29·541	28·964	30th	28·697	16th	·267	78·9	86·7	—1·2	76·9	+0·2	81·8	—0·5	9·8	92·0	13th	74·5	15th & 26th.	17·5
	Sutna	1,040	28·534	—·048	29·536	28·958	30th	28·404	16th	·254	78·3	85·6	—0·3	76·5	+0·6	81·0	+0·2	9·1	92·4	14th	74·1	6th & 7th	18·3
	XI.—Central Provinces.																						
23	Akola	930	28·763	—·026	29·653	28·908	30th	28·646	6th	·262	75·8	83·7	—3·5	72·4	—0·9	78·1	—2·2	11·3	89·2	30th	70·1	28th	19·1
	Amraoti	1,215	28·469	—·020	29·647	28·597	30th	28·352	6th	·245	74·4	82·3	—3·8	71·7	—0·9	76·9	—2·4	10·6	89·2	30th	69·3	30th	19·9
24	Khandwa	1,044	28·634	—·025	29·642	28·788	30th	28·522	6th	·266	75·8	83·5	—2·0	73·5	—0·6	78·5	—1·3	10·0	90·2	2nd	70·6	30th	19·6
	Hoshangabad	1,006	28·643	—·035	29·617	28·806	30th	28·513	6th	·294	75·1	82·1	—2·9	72·7	—1·1	77·4	—2·0	9·4	86·5	2nd & 5th	70·3	29th & 31st.	16·2
	Saugor	1,807	27·817	—·040	29·582	27·959	30th	27·684	16th	·275	74·4	81·6	—2·0	72·1	—0·7	76·9	—1·4	9·5	89·1	13th	69·5	31st	19·6

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

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

B—*contd.*

Stations in India, etc., in August 1907.

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 1907.	Normal rainfall for period 1st May to 31st August.	Departure from normal of period, 1st May to 31st August 1907.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																IX.—Bombay.
...	1	...	...	...	2	21	7	...	S 55° W	S 71° W	S 11·71	12·0	−0·3	89	+14	92	+8	·872	+·032	9·8	+1·7	18	10·09	+7·91	44·26	6·67	+37·59	51·11	19·35	+31·76	12·05	Deesa.
...	...	...	...	...	...	12	15	4	S 78° W	S 76° W	14·9	15·7	−0·8	89	−1	96	+14	·929	+·092	8·8	+1·5	10	3·70	+6·30	6·07	2·44	+3·63	14·38	12·03	+2·35	2·39	Bhuj.
...	...	...	...	...	...	25	6	...	S 53° W	...	17·8	...	...	96	...	88	...	·895	...	3·4	...	14	...	...	10·87	...	...	21·34	...	...	2·43	Jamnagar.
...	...	...	...	...	2	23	6	...	S 51° W	...	S 19·6	...	...	92	...	88	...	·911	...	8·9	...	6	...	...	7·89	...	...	16·34	...	...	3·71	Dwarka.
...	...	...	...	...	...	28	2	1	S 49° W	S 77° W	14·4	12·4	+2·0	96	+6	88	+4	·844	+·006	8·2	+0·7	11	6·60	+4·40	9·29	4·52	+4·77	18·25	23·17	−4·92	1·87	Rajkot.
1	...	...	...	...	...	8	22	...	S 78° W	S 77° W	19·3	11·3	+7·5	96	+14	89	+1	·880	0	8·5	+0·3	10	8·10	+1·90	3·60	2·30	+1·30	17·46	14·79	+2·67	0·67	Veraval.
...	...	...	...	...	2	27	2	...	S 45° W	S 48° W	10·6	11·8	−1·2	96	+6	84	+3	·857	−·023	7·9	+0·8	13	8·80	+4·20	7·11	4·42	+2·69	13·89	14·27	−0·38	2·52	Bhavnagar Para.
2	1	...	...	...	...	13	15	...	S 72° W	S 66° W	8·6	9·8	−1·2	82	+2	89	+4	·878	−·011	9·7	+2·1	24	12·30	+11·70	15·38	7·29	+7·99	38·55	34·72	+3·83	6·03	Surat.
...	...	...	...	...	3	25	3	...	S 45° W	S 63° W	6·6	4·9	+1·7	96	+24	90	+7	·850	−·009	9·9	+1·6	21	10·90	+10·10	21·11	7·66	+13·45	32·55	27·02	+5·53	5·00	Ahmedabad.
...	...	...	...	...	...	12	19	...	S 73° W	S 77° W	S 17·1	15·4	+1·7	92	+9	86	0	·874	−·007	9·3	+0·4	24	19·50	+4·50	15·99	14·07	+1·92	97·52	60·46	+37·06	5·07	Bombay.
3	...	...	...	1	...	15	11	1	S 64° W	S 74° W	13·3	9·5	+3·8	79	+11	89	+1	·864	−·011	9·4	+1·4	25	23·70	+1·30	20·78	22·29	−1·51	76·36	89·62	−13·26	3·08	Ratnagiri.
2	...	...	...	...	...	11	11	7	S 83° W	S 85° W	...	8·7	...	79	+28	89	0	·862	−·018	9·6	+1·1	29	...	...	20·57	19·14	+1·43	83·11	82·87	+0·24	1·86	Goa.
2	...	...	...	...	...	17	12	...	N 72° W	N 56° W	S 13·1	11·2	+1·9	86	+9	92	+2	·902	+·004	9·0	+2·0	27	...	...	16·18	18·59	−2·41	78·84	76·67	+2·17	1·99	Mormugao.
4	...	...	...	...	...	22	5	...	S 53° W	N 81° W	S 3·5	4·3	−0·8	82	+35	91	+3	·876	+·042	9·7	+2·4	25	24·00	+1·00	15·50	23·91	−8·41	89·76	100·95	−12·19	4·80	Karwar.
6	...	...	...	...	...	5	20	...	S 81° W	S 78° W	13·8	12·7	+1·1	79	−7	81	+4	·718	−·002	5·1	−2·2	5	5·80	−0·80	1·86	3·55	−1·69	19·45	13·72	+5·73	0·75	Malegaon.
1	...	...	...	...	...	14	8	8	S 80° W	S 86° W	11·7	18·5	−6·8	76	+1	81	−2	·655	+·023	6·5	−0·7	9	5·20	+3·80	4·26	2·29	+1·97	14·16	11·15	+3·01	1·79	Ahmednagar.
16	...	...	...	...	...	2	13	.	S 84° W	S 83° W	S 14·3	14·8	−0·5	46	−44	84	+1	·674	−·019	4·8	−3·6	13	9·60	+4·40	7·35	3·31	+4·04	32·33	16·42	+15·91	1·12	Poona.
...	...	...	...	...	...	17	12	2	S 67° W	S 83° W	15·9	12·8	+3·1	89	+5	81	+6	·704	+·034	8·2	+0·5	7	8·00	−1·00	2·95	6·09	−3·14	19·12	15·64	+3·48	1·01	Sholapur.
...	...	...	...	...	...	13	17	1	S 72° W	S 82° W	17·3	10·7	+6·6	92	+7	83	+1	·676	−·019	7·7	+0·2	8	5·60	+2·40	1·63	2·47	−0·84	4·64	9·83	−5·19	0·40	Bijapur.
1	...	...	...	...	...	13	16	1	S 72° W	S 83° W	S 23·0	21·5	+1·5	89	−2	95	+3	·667	−·001	9·3	+0·6	25	17·40	+7·60	25·06	8·67	+16·39	41·95	35·06	+6·89	3·85	Belgaum.
																																X.—Central India.
...	...	...	...	...	...	16	15	.	S 67° W	S 75° W	11·0	11·0	...	92	+8	91	+6	·791	+·015	9·4	+2·6	12	10·50	+1·50	13·40	9·22	+4·18	19·66	23·58	−3·92	2·48	Neemuch
1	...	...	...	...	...	7	31	2	S 83° W	S 85° W	9·0	5·7	+3·3	89	+7	86	−3	·708	−·058	10·0	+1·1	14	10·60	+3·40	7·90	7·56	+0·34	25·97	23·50	+2·47	1·47	Indore.
3	1	...	3	1	1	4	13	5	W	S 89° W	2·9	3·1	−0·2	50	−1	90	+3	·891	+·009	8·1	+0·1	16	14·10	+1·90	19·76	13·51	+6·25	28·75	36·19	−7·44	5·93	Nowgong.
3	1	...	2	2	...	8	13	2	S 75° W	S 89° W	6·0	7·7	−1·7	56	+15	93	+5	·885	+·014	9·5	+2·1	20	14·40	+5·60	16·29	12·47	+3·82	27·78	34·45	−6·67	2·48	Sutna.
																																XI.—Central Provinces.
...	...	...	...	...	...	13	15	3	S 75° W	N 78° W	9·2	8·6	+0·6	89	+3	86	+3	·764	−·004	8·8	+1·0	16	8·90	+7·10	5·85	6·28	−0·43	18·20	22·48	−4·28	1·17	Akola.
...	...	...	...	...	...	13	18	..	S 72° W	N 89° W	11·1	7·8	+3·3	93	+6	87	−2	·736	−·043	9·0	+1·1	14	10·00	+4·00	6·00	6·44	−0·44	21·89	23·77	−1·88	1·07	Amraoti.
...	...	...	...	...	...	8	16	12	N 76° W	N 86° W	10·2	8·7	+1·5	92	−1	86	+1	·763	−·005	7·2	−0·5	13	10·70	+2·30	6·74	7·05	−0·31	15·38	22·10	−6·72	1·18	Khandwa.
2	1	...	...	...	2	11	11	4	S 74° W	S 53° W	6·8	3·9	+2·9	76	−3	93	+2	·813	−·024	10·0	+1·4	20	15·00	+5·00	18·60	14·68	+3·92	35·86	29·83	−2·07	3·48	Hoshangabad.
...	1	...	...	...	...	5	31	4	N 89° W	S 87° W	8·5	5·3	+3·2	88	+23	91	+1	·765	−·034	9·7	+2·1	20	15·40	+4·60	21·83	12·97	+8·86	34·22	37·53	−3·31	4·90	Sangor.

S. Uncorrected.
1 Mean of 27 days.

Table

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

Number of sub-division.	Station.	Elevation of bar. cistern above sea level, in feet.	Pressure, 8 hrs. in inches.								Temperature of air.											
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean 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
	XI—Central Provinces—*concld.*																						
	Jubbulpore	1,337	28·292	—·030	29·582	28·434	30th	28·155	6th	·279	75·1	82·9	—1·8	73·6	—0·3	78 3	—1·1	9 3	87·9	13th	71·8	14th & 31st.	16·1
	Seoni	2,033	27·618	—·034	29·602	27·760	30th	27·498	6th & 15th.	·262	73·9	81·6	—1·5	71·5	—0·1	76·4	—0·8	10·1	85·8	5th & 31st.	62·5	10th	23·3
	Nagpur	1,017	28·640	—·024	29·619	28·773	30th	28·514	15th	·259	75·8	83·2	—3·8	73·4	—1·2	78·3	—2·5	9·8	89·6	31st	70·6	7th	19·0
25	Pendra	2,123	27·573	...	29·544	27·688	30th	27·424	15th	·264	75·2	81·8	...	72·3	...	77·0	...	9·5	87·3	13th	70·1	19th	17·2
	Raipur	970	28·641	—·043	29·566	28·759	30th	28·464	15th	·295	76·0	81·8	—4·1	70·8	?	76·5	?	11·0	86·6	13th & 31st	69·4	6 days	17·2
	Chanda	634	29·042	—·030	29·625	29·150	30th	28·927	6th	·223	77·0	83·2	—4·4	74·2	—0·8	78·8	—2·6	9·0	91·5	31st	72·0	13th, 14th & 15th.	19·5
	Bastar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	XII.—Hyderabad.																						
29	Aurangabad	1,905	27·853	...	29·729	27·951	31st	27·769	6th	·182	72·7	81·1	...	68·5	...	74·8	...	12·6	88·7	19th	64·7	29th	24·0
	Nizamabad	1,260	28·476	...	29·696	28·584	30th	28·363	6th	·221	75·1	83·2	...	72·2	...	77·7	...	11·0	90·9	25th	70·2	4 days	20·7
	Bidar	2,165	27,634?	...	29·755?	27·742	30th	27·538	6th	·204	72·6	81·2	...	69·3	...	75·2	...	11·9	88·9	10th	66·7	25th	22·2
29	Gulbarga	1,503	23 269	—·017	29·733	28·369	30th	28·174	6th	·195	74·2	84·8	—3·5	70·5	—0·6	77·7	—2·1	14·3	91·5	23rd	67·3	19th	24·2
	Raichur	1,311	28·479	—·007	29 749	28·560	30th	28·386	6th	·174	75·3	85·7	—2·8	71·3	—1·2	78·5	—2·0	14·4	92·1	25th	70·1	10 days	22·0
	Hyderabad (Deccan)	1,690	28·066	—·013	29·716	28·167	30th	27·951	6th	·216	73·6	82·5	—3·6	71·3	+0·2	76·9	—1·7	11·2	88·3	24th	69·7	15th & 19th.	18·6
	Hanumkonda	871	28·842	...	29·665	28·929	30th	28·743	6th	·186	76·7	84·5	...	74·2	...	79·4	...	10·3	90·0	24th	71 8	15th & 26th.	18·2
	XIII.—Mysore.																						
30	Chitaldroog	2,405	27·452	+ ·003	29 811	27·507	30th	27·355	6th	·152	70·5	79·3	—2·8	67·8	—0·2	73·6	—1·5	11·5	84·6	30th & 31st.	66·4	15th	18·2
	Hassan	3,149	26·837	+ ·011	29·861	26·888	26th	26·749	6th	·139	68·7	76·0	—2·3	64·6	+0·1	70·3	—1·1	11·4	84·5	31st	62·3	15th	21·2
	Bangalore	3,021	26·883	0	29·835	26·940	30th	26·795	6th	·145	69·1	79·9	—1·9	65·1	—0·5	72·5	—1·2	14·8	85·8	31st	62·8	18th	23·0
	Mysore	2,518	27·396	+ ·012	29·866	27·447	26th	27·311	6th	·136	71·0	80·3	—3·9	66·3	—0·2	73·3	—2·0	14·0	87·5	31st	64·5	23 & 29th	23·0
	XIV.—Madras.																						
31	Mangalore	65	29·847	+ ·014	29·845	29·911	26th	29·763	19th	·148	77·0	81·1	—1·7	73·2	—0·8	77·2	—1·3	7·9	83·7	1 & 14th	70·5	16th	13·2
	Calicut	27	29·904	+ ·024	29·859	29·959	26th	29·824	10th	·135	75·4	79·7	—3·1	73·2	—0·9	76·5	—2·0	6·5	84·3	14th	71·2	17th	13·1
	Cochin	9	29·944	+ ·036	29·850	29·992	12th	29·873	10th	·119	76·5	82·5	—1·2	73·4	—0·9	78·0	—1·1	9·1	85·3	1st, 19th & 23rd	71·7	8th & 17th	13·6
	Trivandrum	198	29·752	+ ·046	29·883	29·801	21st	29·691	10th	·110	76·0	80·3	—2·0	74·3	+1·3	77·3	—0·4	6·0	82·5	11th & 18th	72·5	5th	10·0
32	Tinnevelly	168	29·727	+ ·041	29·824	29·778	26th	29·651	10th	·127	84·0	93·8	—2·9	77·6	—1·5	85·7	—2·2	16·2	98·3	23rd	72·9	7th	25·4
	Pamban	37	29 840	+ ·027	29·804	29·873	16th	29·767	6th	·106	82·4	88·8	—0·2	78·7	+0·1	83·7	—0·1	10·1	91·8	22nd	77·2	6th & 7th	14·6
	Madura	447	29·433	+ ·043	29·816	29·485	26th	29·356	10th	·129	82·2	95·5	—1·1	75·7*	— 0·1	85·6*	—0·6	19·8	99·0	19th	70·0	27th	29·0
	Periyakulam	944	28·926	...	29·815	8·979	26th	28·845	10th	·134	81·2	90·1	...	71·1	...	79·1	...	19·0	94·0	28th	66·7	27th	27·8
	Pudukkottai	318	29·554	...	29·804	29·617	26th	29·467	6th	·150	81·8	96·2	...	76·3	...	86·2	...	19·9	100·0	1st	70·8	18th	29·2
	Negapatam	31	29 818	+ ·012	29·778	29·880	26th	29·728	6th	·153	82·0	96·6	+2·9	77·7	+0·4	87·2	+1·7	18·9	100·4	19th	75·0	26th & 31st	25·4
	Trichinopoly	255	29·610	+ ·023	29·798	29·675	26th	29·528	5th, 6th	·147	82·5	98 4	—0·2	77 6	+0·9	87·0	+0·4	18·8	99·6	20 & 24th	75·3	31st	24·3
	Coimbatore	1,349	28·535	+ ·016	29·833	28·572	18th	28·414	6th	·138	74·2	85·6	—3·2	70·0	—0·6	77·8	—1·9	15·6	91·9	22nd	68·8	7th, 15th	23·1
	Salem	940	28·944	+ ·010	29·831	29·010	26th	28 848	6th	·162	77·8	93·1	+0·9	73·3	+0·8	83·2	+0·9	19·8	99·2	31st	69·9	31st	29·4
	Cuddalore	37	29·803	—·006	29·770	29·841	18th	29 723	10th	·118	82·0	95·2	+1·5	77·6	+1·3	86·4	+1·4	17·6	101·6	5th	73·4	24th	28·2

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

* Mean of 30 days.

B—*contd.*

stations in India, etc., in August, 1907.

Wind Direction. Number of winds from Calm	N.	N. E.	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.	Departures 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.	Departures from normal.	Total rainfall from 1st May to 31st August 1907.	Normal rainfall for period, 1st May to 31st August.	Departure from normal of period, 1st May to 31st August 1907.	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
																																XI—Central Provinces—*concld.*
..	1	1	..	..	..	..	5	19	5	N 86° W	S 77° W	4·6	4·3	+0·3	82	+14	90	0	·782	—·016	9·6	+1·3	21	16·30	+4·70	15·75	16·48	−0·73	29·61	46·68	−18·07	3·05	Jubbulpore.
2	2	1	..	..	..	..	5	12	9	N 75° W	N 76° W	5·8	4·9	+0·9	72	+29	88	−2	·735	—·051	8·5	0	15	16·40	−1·40	16·75	12·49	+4·26	32·60	40·21	−7·61	4·70	Seoni.
..	..	..	..	..	7	1	11	1	S 54° W	S 89° W	7·3	7·2	+0·1	82	+21	86	+1	·764	—·046	8·3	−0·4	17	12·60	+4·40	11·80	11·06	+0·74	37·68	34·96	+2·72	2·13	Nagpur.
1	8	2	..	2	2	3	3	10	N 40° W	...	6·2	...	...	46	...	89	...	·779	...	6·5	...	19	..	...	14·56	...	...	32·16	...	...	1·84	Pendra.
..	..	..	1	..	..	20	8	2	S 60° W	S 56° W	15·0	8·4	+6·6	83	+10	92	+3	·819	—·023	5·5	−3·2	21	14·20	+6·60	14·77	13·02	+1·75	38·35	38·73	−0·38	1·36	Raipur.
..	..	..	..	..	..	13	17	1	S 72° W	S 76° W	7·7	5·6	+2·1	92	+14	84	+2	·783	—·016	8·3	−0·1	19	13·60	+5·40	13·62	13·90	−0·28	37·51	40·40	−2·89	2·22	Chanda.
..	..	..	..	..	..	..	..	..	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Baster.
																																XII.—Hyderabad.
..	..	..	..	..	..	4	26	1	S 86° W	...	15·9	...	...	99	...	90	...	·711	...	8·7	..	13	9·50	+3·50	6·04	5·20	+0·84	16·38	17·47	−1·09	1·10	Aurangabad.
..	..	..	..	1	18	8	4		S 65° W	...	S 9·1	...	...	82	...	84	...	·735	...	5·9	...	15	14·50	+0·50	11·29	11·36	−0·07	21·14	26·82	−5·68	1·96	Nizamabad.
..	1	..	..	1	13	12	4		S 76° W	...	8·7	...	...	81	...	85	...	·677	...	6·8	...	11	12·50	−1·50	11·66	8·39	+3·27	23·07	23·93	−0·86	4·02	Bidar.
..	1	..	..	7	13	7	3		S 54° W	N 75° W	14·0	13·7	+0·3	72	−9	80	0	·677	—·027	5·3	−2·3	14	8·10	+5·90	12·97	4·75	+8·22	27·36	16·93	+10·43	2·70	Gulbarga.
..	..	..	..	..	..	9	2	..	S 48° W	S 81° W	13·7	13·0	+0·7	99	+18	79	+1	·695	—·018	7·3	−0·3	9	8·70	+0·30	5·07	6·52	−1·45	16·68	15·89	+0·79	1·36	Raichur.
4	..	..	..	..	..	..	27	..	W	N 83° W	8·1	8·4	−0·3	87	−6	80	−2	·660	—·056	8·6	+1·0	10	...	...	7·69	7·61	+	16·24	19·70	−3·46	2·23	Hyderabad (Deccan.)
..	..	..	..	..	1	7	21	2	S 81° W	...	* 10·8	...	...	89	...	73	...	·677	...	8·1	...	15	12·00	+3·00	9·28	...	...	25·59	...	...	3·03	Hanumkonda
																																XIII.—Mysore.
..	..	..	..	..	..	12	16	5	S 76° W	S 78° W	10·8	10·7	+0·1	92	+4	85	+3	·635	—·012	8·6	−0·3	6	7·80	−1·80	3·58	2·68	−0·10	8·77	13·01	−4·24	1·11	Chitaldroog.
..	..	..	..	..	2	7	17	5	S83°W	N87°W	3·3	4·4	−1·1	84	−4	90	+7	·631	+·017	9·3	+0·6	17	9·60	+7·40	6·23	3·37	+2·86	19·88	17·40	+2·49	0·97	Hassan.
..	..	..	..	..	..	2	19	..	S73°W	S78°W	11·7	8·3	+3·4	92	+24	85	0	·607	—·009	9·5	+1·3	4	10·40	−6·40	0·96	5·36	−4·40	15·44	16·69	−1·25	0·29	Bangalore.
..	..	..	..	..	..	..	16	13	...	S64°W	S72°W	13·7	12·5	+1·2	92	+ 4	82	+1	·620	—·022	9·0	+1·1	7	6·40	+0·60	1·54	1·93	−1·39	9·23	12·43	−3·20	0·35	Mysore.
																																XIV.—Madras.
7	1	1	1	..	..	5	9	7	N79°W	N72°W	S 5·9	2·5	+3·4	53	+28	92	0	·858	+·003	9·3	+0·8	29	24·40	+4·60	35·62	22·26	+13·36	101·49	101·17	+0·32	3·53	Mangalore.
7	4	..	2	..	..	5	4	9	N60°W	N22°W	6·3	7·7	−1·4	43	+ 3	93	+2	·820	—·014	9·7	+2·4	27	18·80	+8·20	45·58	15·80	+29·78	124·23	88·34	+35·99	5·64	Calicut.
5	..	5	2	2	3	6	4	4	S60°W	N13°W	S 7·3	5·8	+1·5	13	−34	88	+2	·818	—·023	8·9	+1·8	24	18·60	+5·40	25·70	13·47	+12·23	89·50	76·06	+13·44	4·18	Cochin.
1	10	..	..	..	..	..	2	18	N33°W	N13°W	S 7·4	9·1	−1·7	89	+ 6	87	+1	·785	—·022	8·9	+1·5	20	9·30	+10·70	7·47	4·15	+3·32	42·65	32·51	+10·14	0·90	Trivandrum.
1	1	..	..	..	..	6	15	8	N85°W	N75°W	8·3	8·7	−0·4	82	+ 2	79	?	·918	?	6·4	+0·9	1	1·00	0	0·22	0·48	−0·26	2·96	2·68	+0·28	0·14	Tinnevelly.
1	..	..	1	5	11	11	2	..	S13°W	S43°W	14·2	10·0	+4·2	76	+11	79	...	·866	...	3·6	...	1	0·60	+0·40	0·26	0·81	−0·55	1·69	1·65	+0·04	0·20	Pamban.
..	3	1	1	..	..	3	12	11	N65°W	N61°W	13·0	3·2	+9·8	72	− 7	66	0	·723	—·011	7·5	+2·2	1	6·20	−5·20	0·44	3·69	−3·25	7·50	9·65	−2·15	0·44	Madura.
26	1	2	1	..	..	..	..	1	N34°E	...	4·2	...	...	13	...	68	...	·651	...	7·1	...	2	3·80	−1·80	1·53	1·88	−0·36	9·49	6·35	+3·14	0·93	Periyakulam.
2	1	..	..	..	..	2	1	12	N70°W	...	10·8	...	...	76	...	65	...	·700	...	7·9	.	8	...	...	2·51	...	...	8·02	...	...	0·55	Pudukkottai.
..	..	..	..	..	..	3	26	2	S89°W	S72°W	S 8·5	6·1	+2·4	99	+16	67	− 4	·743	—·053	5·0	−0·7	3	5·70	−2·70	1·06	3·66	−2·60	4·34	8·65	−4·31	0·62	Nagapatam.
..	..	..	..	..	2	19	10	..	S57°W	S85°W	S 10·4	8·0	+2·4	92	+ 4	69	+ 1	·752	+·026	6·9	0	1	5·40	−4·40	0·53	4·35	−3·82	8·78	10·10	−1·32	0·47	Trichinopoly.
..	..	..	..	..	2	25	4	..	S47°W	S36°W	11·5	6·5	+5·0	99	+20	77	− 7	·656	—·087	5·4	−0·4	3	3·00	0	1·50	1·12	+0·38	7·78	6·28	+1·50	0·75	Coimbatore.
..	..	..	..	..	3	21	6	1	S51°W	S37°W	7·0	4·0	+3·0	89	+17	80	+ 1	·757	—·014	7·8	+1·4	7	9·50	−2·50	2·83	7·47	−4·64	9·16	18·93	−9·77	0·92	Salem.
..	..	..	..	..	3	30	9	..	S52°W	S73°W	7·2	2·3	+4·9	93	+20	69	−11	·96	—·030	6·1	−0·6	6	5·00	−2·00	4·69	5·33	−0·64	7·63	11·14	−3·53	2·61	Cuddalore.

S.—Uncorrected.
* Mean of 29 days.

Table

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

Number of sub-division.	Station.	Elevation of bar. cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	XIV—Madras—concld.																						
	Vellore . .	707	29·125	...	29·773	29·178	26th	29·025	6th	·153	80·7	93·2*	...	77·0	...	85·2*	...	16·3	99·2	31st	73·2	31st	26·0
	Madras . .	22	29·786	+·006	29·748	29·850	26th	29·711	6th	·139	83·4	97·0	+3·2	78·7	+1·4	87·9	+2·3	18·3	101·0	21st	73·5	11th	27·5
33	Cuddapah . .	433	29·382	+·001	29·752	29·442	30th	29·284	6th	·158	83·4	94·7	+·°0	78·0	+1·2	86·4	+1·1	16·7	101·2	31st	73·2	11th&12th	28·0
	Bellary . .	1,475	28·342	+·001	29·769	28·421	30th	28·249	6th	·172	76·9	88·1	−2·7	74·0	+0·4	81·1	−1·2	14·1	95·0	31st	72·2	6 days	22·8
	Kurnool . .	923	28·865	−·013	29·739	28·931	30th	28·767	6th	·164	77·0	88·7	−1·1	73·3	−0·4	81·0	−0·8	15·4	93·7	25th	70·1	17th	23·6
34	Nellore . .	52	29·733	+·026	29·727	29·800	26th	29·638	6th	·162	84·9	96·0	+0·4	79·5	+0·8	87·8	+0·6	16·5	100·8	31st	74·1	11th	26·7
	Masulipatam . .	15	29·744	+·010	29·691	29·815	18th	29·639	6th	·176	81·1	90·2	−0·9	77·8	+0·2	84·0	−0·4	12·4	98·7	31st	74·1	11th&12th	24·6
	Cocanada . .	26	29·687	−·006	29·650	29·764	30th	29·591	6th	·173	80·0	87·2	−2·5	77·3	−1·2	82·4	−1·9	9·9	95·6	31st	74·0	12th	21·6
	Waltair (Vizagapatam).	226	29·423	−·047	29·589	29·527	22nd	29·308	6th	·219	80·0	87·0	...	76·2	...	81·9	...	10·8	96·9	25th	70·4	3rd	26·5
	Calingapatam .	19	29·617	...	29·576	29·732	22nd	29·501	14th	·231	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Gopalpur . .	72	29·543	−·069	29·556	29·670	22nd	29·425	15th	·245	83·8	86·8	−1·1	78·4	−0·4	82·4	−0·8	7·9	91·2	1st, 24th & 25th.	75·9	26th	15·3
	Station in the Bay.																						
1	P. V. Fraser .	8	29·573†	...	29·498*	29·745	21st	29·347	14th	·398	82·1†	...	...	...	...	...	...	...	...	...	...	...	...
	Car Nicobar .	25	29·863	...	29·815	29·950	22nd	29·786	9th	·164	81·7	86·7	...	77·8	...	82·2	...	8·9	89·4	7th	74·4	7th	15·0
	Port Blair . .	61	29·790	+·005	29·782	29·861	3rd	29·716	9th	·145	80·5	84·3	−1·0	77·2	0	80·8	−0·5	7·1	86·7	18th	72·5	10th	14·2
	Slipper Island .	90	29·677	...	29·700	29·753	3rd	29·588	25th	·165	80·9	84·0	...	76·6	...	80·3	...	7·4	86·6	8th	71·1	11th	15·5
	Kashmir . .	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	Srinagar . .	*5,204*	24·692	−·015	24·663	24·788	30th	24·573	9th	·215	69·5	83·6	−0·3	63·8	+0·9	73·7	+0·3	19·8	91·3	2nd&10th	53·2	30th	38·1
	Gulmarg . .	*8,569*	21·776	...	21·745	21·848	21st	21·705	9th	·143	58·7	68·3	...	48·9	...	58·6	...	19·4	76·1	10th	40·8	29th	35·3
	Sonemarg . .	*8,764*	21·706	...	21·674	21·796	5th	21·662	10th	·134	54·1	69·0	...	49·0	...	59·0	...	20·0	77·4	3rd	39·6	30th	37·8
	Dras . . .	*10,159*	20·720	...	20·688	20·771	21st	20·665	24th	·106	60·2	78·6	...	49·1	...	63·9	..	29·5	89·4	10th	40·1	30th	49·3
	Leh . . .	11,503	19·655	−·009	19·623	19·706	17th	19·605	15th	·101	57·7	74·1	−3·3	49·8	0	61·9	−1·7	24·3	82·7	3rd	44·5	31st	38·2
	Skardu . . .	7,505	22·697	...	22·667	22·780	17th	22·632	3rd	·148	67·2	...	...	58·7	...	...	...	...	...	...	46·2	3rd & 23rd	...
	Gilgit . . .	4,890	24·898	...	24·871	25·030	29th	24·765	2nd	·265	78·2	94·0	−0·2	69·1	−3·0	81·6	−1·6	24·9	107·7	10th	60·2	15th	47·5
	Baluchistan .																						
16	Quetta . . .	5,502	24·447	−·032	24·407	24·552	30th	24·373	10th	·179	74·8	90·8	+0·3	63·1	+2·0	77·0	+1·2	27·7	96·6	8th	51·3	31st	45·3
	Chaman . .	4,311	25·474	−·013	25·436	25·590	30th	25·390	10th	·200	75·7	97·2	−0·8	69·2	−1·1	83·3	−1·0	28·0	103·8	8th	60·8	26th	43·0
	Robat . . .	...	26·647	...	26·605	26·749	30th	26·554	1st	·195	83·4	95·6	...	77·0	...	86·3	...	18·6	101·5	20th	71·7	16th	29·8
	Hill Stations excluding Kashmir and Baluchistan.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Chitral . . .	*5,486*	...	...	...	...	...	...	...	...	74·9	94·8	...	65·4	...	80·1	...	29·4	105·8	10th	56·9	28th	48·9
	Para Chinar . .	6,000	24·239	...	24·196	24·320	21st	24·141	nd	·179	72·9	83·2	...	63·4	...	73·3	...	19·8	91·3	3rd	57·2	24th	34·1
	Cherat . . .	*4,956*	25·500	−·023	25·468	25·584	30th	25·390	9th	·194	74·7	84·8	−2·1	69·2	−1·0	77·0	−1·6	15·6	97·1	3rd	63·5	3rd	33·6
	Murree . . .	6,333	23·738	−·015	23·697	23·809	21st	23·649	9th	·160	65·4	72·6	−1·8	61·5	+0·5	67·1	−0·7	11·1	76·5	4 days	53·5	18th	23·0
	Kailang . .	*10,087*	20·668‡	...	20·623‡	20·926	19th	20·787	27th	·139	57·6	72·3	−1·3	49·2	−1·0	60·8	−1·2	23·1	80·3	11th	40·2	30th	40·1
	Simla . . .	7,234	23·999	−·010	23·961	23·072	21st	23·922	1st	·150	61·5	66·6	−0·5	59·2	−0·3	62·9	−0·4	7·4	69·6	15th	56·0	31st	13·6
	Sarain . . .	...	23·043*	...	...	23·116	21st	22·954	1st	·162	65·5†	71·5	...	57·0*	...	64·3‡	...	14·5	76·4	2nd	50·1	30th	26·3
	Kalabagh . .	...	20·088	...	...	20·148	21st	20·025	5th	·123	5·30	57·8	...	48·5	...	53·2	...	9·3	71·4	10th	45·0	31st	26·4

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

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

* Mean of 30 days.
† Do. 25 days.
‡ Do. 19 days.

B—*contd.*

stations in India, etc., August 1907.

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 1907.	Normal rainfall for period, 1st May to 31st August.	Departure from normal of period, 1st May to 31st August 1907.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																XIV—Madras —*concld.*
...	1	3	1	10	2	3	5	5	S11°W*	...	6·0	...	...	17	...	64	...	·679	...	5·2	...	5	7·90	−2·90	2·03	5·31	−3·28	10·12	14·53	−4·41	0·90	Vellore.
...	1	...	...	...	...	11	19	...	S76°W	S66°W	S 8·0	6·9	+1·1	92	+13	70	− 5	·798	−·028	6·0	−1·3	8	12·60	−4·60	3·50	5·34	−1·84	9·10	12·47	−3·37	1·08	Madras.
...	...	...	...	...	...	3	12	16	N70°W	N82°W	...	...	...	86	+ 3	65	− 8	·722	−·051	7·8	0	1	8·00	−7·00	0·38	6·15	−5·77	5·46	15·02	−9·56	0·11	Cuddapah.
...	...	...	...	...	...	5	22	4	S89°W	N85°W	9·5	11·2	−1·7	92	+ 6	66	− 2	·608	−·040	7·2	−0·7	1	4·10	−3·10	0·89	2·32	−1·43	7·69	7·76	−0·07	0·64	Bellary.
...	...	...	...	...	...	17	8	6	S73°W	N89°W	S 15·4	...	...	82	+17	77	+ 2	·706	−·009	6·2	−1·3	8	9·20	−1·20	2·14	5·94	−3·80	7·75	15·30	−7·45	0·43	Kurnool.
...	...	...	...	...	...	7	16	8	N88°W	N69°W	S 10·4	9·5	+0·9	89	+14	60	−12	·719	−·097	6·5	−1·2	1	5·40	−4·40	0·24	4·03	−3·79	5·53	8·46	−2·93	0·19	Nellore.
12	...	...	...	...	...	1	8	10	N64°W	N73°W	10·4	7·7	+2·7	56	−27	82	− 1	·870	−·021	8·4	+0·6	9	9·80	−0·80	3·19	6·89	−3·70	15·58	18·64	−3·06	0·80	Masulipatam.
1	...	...	...	...	...	18	11	1	S63°W	S74°W	7·8	7·7	+0·1	86	+ 7	86	+ 5	·890	P	8·3	+0·7	9	9·70	−0·70	4·64	5·40	−0·76	29·60	17·03	+12·57	1·12	Cocanada.
...	...	...	...	...	...	24	7	...	S55°W	S84°W	11·3	...	...	96	+15	79	0	·808	−·053	8·6	+0·3	13	8·40	+4·60	5·80	5·32	+0·48	13·33	16·15	−2·82	1·07	Waltair (Visagapatam.)
...	...	...	...	...	1	18	11	1	S62°W	...	S 8·2	...	...	86	...	...	...	...	...	7·1	...	10	...	...	6·67	...	...	15·86	...	...	2·06	Calingapatam.
1	2	2	...	...	4	17	4	1	S52°W	S63°W	12·0	10·9	+1·1	62	+4	84	−1	·876	−·049	8·0	+0·5	13	10·60	+2·40	4·69	7·96	−3·27	13·20	23·95	−10·75	0·60	Gopalpur.
																																Station the Bay.
...	1	1	2	1	5	15	4	1	S41°W*	...	...	...	...	59	...	93*	...	1·024*	...	7·0*	...	11	...	...	7·48	...	...	18·62	...	...	1·50	P. V. Fraser.
...	...	...	...	...	...	22	...	...	S45°W	...	S 5·6	...	...	69	...	92	...	1·000	...	9·7	...	10	...	...	4·00	...	...	48·30	...	...	1·08	Car Nicobar.
2	...	...	...	...	...	16	13	...	S65°W	S62°W	S 15·3	10·8	+4·5	86	+7	84	−5	·880	−·040	8·8	+0·4	24	...	...	14·85	14·06	+0·79	68·61	65·48	+3·13	2·51	Port Blair.
...	...	...	...	...	2	22	7	...	S52°W	...	30·6	...	...	92	...	88	...	·932	...	8·5	...	20	...	...	14·28	...	...	35·52	...	...	3·61	Slipper Island.
																																Kashmir.
8	3	2	1	4	9	...	2	2	S17°E	S48°E	3·3	3·6	−0·3	20	−12	80	−6	·579	−·046	4·3	−0·3	7	4·70	+2·30	2·89	1·94	+0·95	10·43 (c)	9·30	+1·13	1·00	Srinagar.
12	1	11	2	...	...	2	2	1	N35°E	...	5·9	...	...	33	...	80	...	·402	...	4·0	...	8	...	...	6·30	...	...	16·18	...	...	2·08	Gulmarg.
16	6	7	1	1	...	...	...	...	N33°E	...	3·3	...	...	40	...	92	...	·387	...	4·4	...	9	...	...	3·70	...	...	15·42	...	...	1·07	Sonemarg.
29	...	...	...	...	...	1	1	...	S66°W	...	S 6·7	...	...	7	...	64	...	·340	...	3·6	...	1	1·40	−0·40	0·42	0·58	−0·16	3·38	4·59	−1·21	0·15	Dras.
30	...	...	...	...	...	...	1	...	W	N85°W	1·7	1·8	−0·1	3	−57	57	−2	·280	−·002	4·7	+0·5	2	1·70	+0·30	0·82	0·54	+0·28	1·03	1·33	−0·30	0·38	Leh.
20	1	2	...	...	1	3	3	1	W	...	5·3	...	...	14	...	51	...	·336	...	4·1	...	3	1·10	+1·90	0·71	0·96	−0·25	2·90	2·72	+0·18	0·39	Skardu.
28	...	1	...	...	...	...	1	1	N38°W	...	1·8	...	...	3	...	46	−4	·432	−·062	4·0	−0·2	3	1·80	+1·20	0·50	0·34	+0·16	3·07	2·10	+0·97	0·22	Gilgit.
																																Baluchistan.
29	...	...	...	...	1	1	...	...	S24°W	S22°W	0·9	2·7	−1·8	7	+1	54	−4	·468	−·011	4·1	+3·0	2	0·70	+1·30	1·13	0·62	+0·50	1·85	2·19	−0·34	0·98	Quetta.
8	3	2	10	6	2	...	1	...	S79°E	S61°W	7·4	8·4	−1·0	49	−2	69	+36	·633	+·254	0·1	−0·5	1	0	+1·00	0·33	0	+0·33	0·33	0·28	+0·05	0·33	Chaman.
21	1	4	3	1	...	...	1	...	N60°E	...	4·6	...	..	23	...	60	...	·690	...	0·3	...	...	0	...	...	...	...	0	...	..	0	Robat.
																																Hill Stations excluding Kashmir and Baluchistan.
27	...	2	...	...	...	1	...	1	N	...	S 4·8	...	...	5	...	65	...	·574	...	1·5	...	2	...	...	0·59	...	...	3·36	...	...	0·34	Chitral.
24	...	...	1	2	3	...	1	...	S 14° E	...	5·2	...	...	13	...	66	...	·540	...	4·0	..	9	6·40	+2·60	5·01	2·57	+ 2·44	12·22	9·83	+ 2·39	1·96	Para Chinar.
10	6	...	..	4	5	1	1	4	N 79° W	S 31° E	5·6	8·1	−2·5	5	−23	75	+ 2	·624	+·036	3·9	0	6	...	...	4·71	3·21	+ 1·50	7·11	10·03	− 2·92	2·08	Cherat.
14	4	1	2	2	2	...	4	1	N 5° E	N 46° W	7·2	5·3	+1·9	4	−18	82	0	·522	+·008	5·3	+0·5	11	15·60	−4·60	11·11	13·62	− 2·51	25·18	31·96	− 6·78	3·10	Murree.
...	2	2	1	3	..	9	9	5	S 82° W	...	S 2·0	1·8	+0·2	46	...	77	...	·369	...	6·1	...	5	...	...	0·92	1·43	− 0·51	3·30	6·65	− 3·35	0·16	Kailang.
1	16	...	...	1	12	1	...	...	N	N 31° E	4·2	3·6	+0·6	8	−14	91	0	·500	−·006	8·6	+0·6	17	18·60	−1·90	15·00	17·67	−12·67	25·75	45·42	−19·67	2·64	Simla.
23	3	1	...	...	2	2	...	...	N 71° W	...	2·3	...	...	2	...	78*	...	·488*	...	6·5*	...	15	...	...	7·05	...	...	22·06 (b)	...	...	1·44	Sarain.
9	2	...	1	6	4	...	3	6	S 45° W	...	5·6	...	...	10	...	86	...	·349	...	8·4	...	18	...	...	10·44	...	...	29·82	...	...	3·06	Kalabagh.

* Mean of 30 days.

S Uncorrected-readings.

(c) Rainfall since 21st May.
(b) " " 1st June.

Table

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

Number of sub-division.	Station.	Elevation of bar. cistern above sea level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean 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.*																						
	Chakrata . .	7,022	23·155	—·023	23·114	23·202	13th	23·076	1st	·126	62·6	68·8	0	59·8	+0·3	64·3	+0·2	9·0	73·3	8th	56·7	30th	16·6
	Muktesar . .	7,556	22·758	...	22·717	22·822	12th	22·684	24th	·138	61·2	69·1	...	57·9	...	63·5	...	11·2	74·5	25th	55·9	30th	18·6
	Darjeeling . .	7,376	22·928	—·023	22·883	22·977	2nd	22·867	5th	·110	62·1	67·9	+3·4	57·7	+0·5	62·8	+1·5	10·2	71·7	3rd, 13th & 14th.	55·6	21st	16·1
	Shillong . .	4,920	24·981	...	24·933	25·040	21st	24·904	5th	·136	69·1	76·9	...	63·9	...	70·4	...	13·0	79·9	13th&27th	61·7	26th	18·2
	Cherra Poonjee .	4,309	25·529	...	25·480	25·596	21st	25·451	5th	·145	67·4	74·0	...	65·4	...	69·7	...	8·6	78·7	13th, 14th & 26th.	61·8	20th	16·9
	Maymyo . .	3,545	26·303	...	26·248	26·361	2nd&29th	26·230	24th	·131	70·6	76·5	...	67·3	...	71·9	...	9·2	82·9	25th	64·6	11th	18·3
	Pachmarhi . .	3,528	26·223	—·053	26·171	26·347	30th	26·111	6th	·236	67·5	73·3	—1·4	66·0	—1·1	69·5	—1·3	7·3	78·7	5th&18th	63·7	31st	15·0
	Mount Abu . .	3,945	25·823	—·043	25·773	25·965	30th	25·730	7th	·235	66·1	70·4	—1·6	65·1	+0·9	67·8	—0·4	5·3	74·2	8th	60·9	31st	13·3
	Mercara . .	3,781	26·187	+·006	26·120	26·219	20th&30th	26·140	10th	·079	63·1	66·4	—3·3	61·3	—0·7	63·9	—2·0	5·1	69·5	31st	55·6	14th	13·9
	Ootacamund . .	7,322	23·016	...	22·952	23·057	3rd	22·959	10th	·098	55·8	60·2	...	52·9	...	56·6	...	7·3	66·5	30th	51·7	8 days	14·8
	Kodaikanal . .	7,688	22·795	...	22·730	22·839	30th	22·726	10th	·113	55·1	61·1	...	51·7	...	56·4	...	9·4	64·5	1st, 18th, & 19th.	49·5	27th	15·0
	Extra India.																						
	Singapore (*a*) .	10	29·943	...	29·874	30·020	30th	29·887	10th	·133	83·7	88·3	...	74·3	...	81·3	...	14·0	91·8	16th&27th	71·8	31st	20·0
	Penang (*a*) . .	30	29·916	...	29·861	29·940	21st&27th	29·890	14th & 18th.	·050	82·2	88·1	...	73·0	...	80·6	...	15·1	92·0	11th&12th	70·0	25th	22·0
	Trincomalee . .	12	29·894	P	29·830?	29·969	21st	29·809	10th	·160	78·9	89·4	—2·7	77·1	+0·1	83·2	—1·3	12·3	94·0	23rd	74·0	30th	20·0
	Colombo . .	40	29·914	+·029	29·880	29·967	26th	29·844	6th	·123	79·1	84·9	—0·7	76·7	—0·8	80·8	—0·8	8·2	87·0	16th, 17th & 25th.	73·0	13th	14·0
	Minicoy . .	7	29·966	...	29·899	30·017	26th	29·911	10th	·106	80·4	85·3	—0·1	...	...	...	...	...	86·6	15th	...	...	...
	Amini Divi . .	13	29·925	+·034	29·866	29·982	26th	29·856	6th	·126	81·5	85·3	+0·1	76·5	—0·9	80·9	—0·4	8·8	87·1	1st and 18th.	73·1	31st	14·0
	Gyantse . .	13,120	18·491	...	...	18·540	16th	18·424	23rd	·116	53·5	74·5	...	44·4	...	59·4	...	30·1	79·0	25th	39·0	12th	40·0
	Pharijong . .	14,400	17·909*	...	...	17·971	27th	17·781	3rd	·190	46·5	57·4	...	36·3	...	47·2	...	20·6	59·9	7th	29·2	12th	30·7
	Gangtok . .	5,660?	24·336†	...	...	24·424	20th	24·249	4th	·175	67·8	77·2	...	55·1	...	66·2	...	22·1	82·2	2nd	53·9	11th	28·3
	Kashgar (*c*) . .	4,255	25·456	...	...	25·630	30th	25·290	3rd	·330	73·3	89·2	+1·0	64·2	—1·1	76·7	—0·1	25·0	103·3	9th	56·7	30th	46·6
	Kabul . . .	...	24·126	...	24·095	24·236	27th	23·993	9th	·243	77·1	94·1	+1·7	58·6	—0·9	76·4	+0·4	35·5	101·9	2nd	51·9	25th	50·0
	Meshed‡ . .	3,104	26·704	...	...	26·843	29th	26·542	1st	·301	72·7	90·5	...	55·4	—5·1	72·9	...	35·1	96·5	31st	48·3	15th	48·2
	Jask . . .	13	29·545	—·063	29·515	29·707	30th	29·430	7th	·277	89·1	95·0	+0·5	85·8	+1·8	90·4	+1·2	9·2	99·3	4th	81·3	29th & 31st.	13·0
	Muscat . .	20	29·556	—·037	29·523	29·729	30th	29·444	9th & 10th, 3rd	·285	87·9	93·0	+5·1	85·6	+1·3	89·3	+3·2	7·4	103·2	4th	81·0	4 days	22·2
	Bahrein . .	18	29·570	...	29·540	29·717	22nd	29·461		·256	93·2	96·8	...	85·9	...	91·4	...	10·9	104·2	6th	80·9	28th	23·3
	Bushire . .	14	29·486	—·058	29·459	29·600	30th	29·351	5th	·249	88·9	94·5	—2·5	84·5	+0·5	89·5	—1·0	10·0	99·0	4th&16th	76·9	27th	22·1
	Busrah . .	25	29·554	...	29·538	29·665	22nd	29·425	5th	·240	82·8	101·0	...	74·4	...	87·8	...	26·6	106·6	6th	68·7	10th	37·9
	Ispahan (*b*)‡ .	5,817	24·258	...	...	24·400	27th&28th & 30th.	24·150	9th	·250	76·6	93·5	—1·9	63·8	+2·4	78·7	+0·3	29·7	98·5	2nd & 9th	55·2	30th	43·3
	Tehran (*b*) . .	4,002	25·649	...	...	25·810	29th	25·460	1st	·350	75·6	96·4	—0·3	69·5	—1·2	83·0	—0·8	26·9	103·0	1st	65·0	12th&13th	38·0
	Baghdad . .	220	29·457	—·051	29·647	29·626	22nd	29·311	10th	·315	85·3	107·3	- 1·0	79·3	+0·5	93·3	—0·3	28·0	113·6	29th	68·9	10th	44·7
	Beirut . .	...	...	...	...	29·765	...	...	...	...	82·4	88·9	...	73·5	...	81·2	...	15·4	91·9	11th	72·3	9th	19·6
	Aden . . .	94	29·682	+·032	29·708	29·759	21st	29·578	16th	·181	82·2	89·5	—2·0	77·8	—1·8	83·7	—1·9	11·7	95·3	4th	70·4	14th	24·9
	Perim . . .	201	29·652	+·112	29·766	29·865	28th	29·633	1st	·032	89·0	94·5	—1·7	83·9	+0·4	89·2	—0·7	10·6	96·9	2nd	82·6	3rd	14·3
	Zanzibar . .	73	30·120	+·032	30·119	30·197	8th	30·039	30th	·158	74·4	80·7	0	72·5	—0·3	76·6	—0·2	8·2	83·3	29th	70·8	29th	12·5
	Zanzibar Dunga .	164	29·965	...	30·049	30·039	2nd	29·865	24th	·164	74·1	83·5	...	...	...	...	...	...	85·5	8 days	...	...	...

N. B.—Elevations in italics indicate barometrical determinations.
NOTE.—The barometric readings are not reduced to sea-level, in the cases of hill or plateau stations, the elevations of which exceed 3,200 feet.
(*a*) 9 hours observations. (*b*) Aneroid corrected. (*c*) Aneroid uncorrected. * Mean of 24 days. ‡ Mean of 30 days. † Mean of 28 days.

B—*concld.*

stations in India, etc., August 1907.

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 1907.	Normal rainfall for period 1st May to 31st August.	Departure from normal of period, 1st May to 31st August 1907.	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.*
18	1	....	....	6	6	..	....	....	S 25° E	S 39° E	5·6	5·4	+0·2	33	+25	94	+ 1	·541	+·010	9·5	+3·6	19	20·10	—1·10	13·14	19·18	— 7·04	29·06	50·45	—21·39	2·88	Chakrata.
14	....	1	7	4	....	....	4	1	S 76° E	...	7·6	...	.	20	...	95	...	·510	...	7·9	...	16	...	...	6·55	...	...	26·27	...	...	1·64	Muktesar.
7	3	8	5	3	1	1	....	3	N 55° E	N 88° E	2·8	3·7	—0·9	40	0	94	— 2	·527	+·013	8·6	—0·4	20	24·13	—4·13	15·24	26·83	—11·59	69·97	92·88	—22·91	3·97	Darjeeling.
29	....	....	....	1	1	..	....	....	S 31° E	...	4·6	...	...	7	...	84	...	5·95	...	7·3	...	14	18·50	—4·50	4·20	12·70	— 8·50	40·82	51·91	—11·09	1·01	Shillong.
12	....	6	5	1	5	2	....	....	S 70° E	...	3·9	...	...	30	...	97	...	·651	...	8·1	...	28	25·70	+2·30	52·18	74·79	—22·61	281·14	322·98	—41·54	5·05	Cherra Poonjee.
59	....	....	....	....	1	1	....	....	S 24° W	...	S 2·3	...	...	7	...	90	...	·673	...	8·4	...	18	16·20	+1·80	7·66	9·66	— 2·00	23·13	35·23	—12·10	1·45	Maymo.
....	....	....	....	....	....	7	17	7	W	S 87° W	14·0	9·3	+4·7	86	+10	97	+ 5	·656	+·005	9·9	+0·8	25	21·80	+3·20	36·78	20·68	+16·10	49·22	57·21	— 7·99	6·10	Pachmarhi.
1	....	....	....	1	....	24	4	1	S 52° W	S 59° W	10·9	11·2	—0·3	89	+11	99	+ 3	·641	+·032	10·0	+1·3	39	17·20	+11·80	61·13	20·21	+40·92	73·52	50·64	+22·88	16·53	Mount Abu.
1	....	....	....	....	....	4	18	8	N 84° W	N 76° W	6·8	8·3	—1·5	86	— 4	100	+ 5	·582	+·005	9·9	+1·3	30	26·70	+3·30	52·91	26·36	+26·55	118·60	99·84	+18·76	4·48	Mercara.
....	....	....	....	....	....	4	23	4	W	...	10·1	...	...	92	...	88	...	·396	...	9·4	...	20	11·30	+8·70	8·00	4·70	+ 3·30	25·46	22·75	+ 2·71	0·97	Ootacamund.
....	1	....	....	....	....	2	16	12	N 73° W	...	S 17·8	...	...	89	...	87	...	·381	...	7·4	...	11	11·30	—0·30	6·36	5·99	+ 0·37	17·57	20·36	— 2·79	1·37	Kodaikánal.
																																Extra India.
5	....	....	4	11	1	4	6	..	S 14° E	...	S 6·6	...	...	40	...	...	...	...	...	6·1	...	11	...	...	6·36	...	...	31·62	...	...	1·39	Singapore.
....	5	10	3	4	1	....	....	8	N 28° E	...	S 10·2	...	...	53	...	...	...	...	...	1·7	...	8	...	...	4·68	...	...	22·81	...	...	0·96	Penang.
....	....	....	....	....	....	31	....	....	S 45° W	S 45° W	S 11·3	14·0	—2·7	100	+ 3	83	+ 5	·829	—·040	3·2	+0·3	2	...	...	1·56	4·64	— 3·08	8·23	10·58	—2 ·35	1·20	Trincomalee.
....	....	....	....	....	1	19	11	....	S 60° W	S 61° W	S 7·1	9·2	—2·1	89	+ 1	87	+10	·873	+·027	7·4	+1·3	6	...	...	1·74	3·90	— 2·16	22·79	28·08	— 5·29	0·45	Colombo.
....	1	....	....	....	1	7	15	7	W	N 79° W	13·6	14·9	—1·3	80	—10	85	+ 4	·879	+·023	6·9	+1·7	15	...	...	6·52	6·49	+ 0·03	26·81	28·15	— 1·34	0·98	Minicoy.
1	2	....	....	....	....	1	17	10	N 72° W	...	...	...	...	84	...	81	—2	·873	—·026	6·8	+0·1	11	...	...	6·57	5·04	+ 1·53	35·97	32·19	+ 3·78	0·88	Amini Divi.
....	....	....	....	5	5	11	....	....	S 7° E	...	2·3	...	...	76	...	61	...	·249	...	...	...	4	...	...	1·62	...	...	3·96	...	...	0·89	Gyantse.
18	2	....	....	7	1	2	1	..	S 31° E	...	10·2	...	...	20	...	84	...	·265	...	5·0	...	13	...	...	2·70	...	...	14·36	...	...	0·33	Pharijong.
30	..	1	....	....	....	....	....	....	N45°E	...	1·0‡	...	...	3	...	89	...	·607	...	1·6	...	26	...	...	16·91	...	...	81·90	...	...	1·84	Gangtok.
35	....	....	1	1	....	....	1	3	N45°W	N48°W	3·6	4·3	—0·7	3	— 4	56	+ 3	·433	+·001	2·3	—2·5	5	...	...	1·20	1·10	+0·10	2·10	2·58	—0·48	0·50	Kashgar.
....	7	10	....	....	1	9	2	2	N21°W	S88°E	...	...	...	27	+13	40	...	·377	...	0·5	+0·3	0	...	...	0·06	0·18	—0·12	0·33	1·13	—0·80	0·06	Kabul.
....	....	....	....	....	....	....	....	....	...	...	...	...	...	...	...	48	...	·387	...	0·1	?	0	...	...	0	0·01	—0·01	2·26	0·99	+1·27	0	Meshed.
3	....	..	20	8	....	....	....	1	S78°E	S74°E	14·3	14·4	—0·1	82	+ 6	75	0	1·041	+·020	4·9	+2·8	0	...	...	0	0	0	0	0·13	—0·13	0	Jask.
22	1	....	3	5	..	..	..	....	S69°E	S76°E	3·4	4·4	—1·0	23	—37	78	— 4	1·023	+·021	4·5	+2·3	0	...	...	0	0	0	0	0·40	—0·40	0	Muscat.
....	5	1	1	2	....	1	5	16	N43°W	...	7·7	...	...	69	...	66	...	1·017	...	...	...	0	...	...	0	...	...	0·50	...	...	0	Bahrein.
4	7	1	...	3	3	....	1	12	N31°W	N59°E	10·7	7·2	+3·5	43	+21	66§	— 1	·878§	—·111	1·3	...	0	...	...	0	0	0	0·02	0	+0·02	0	Bushire.
2	11	....	....	....	2	5	8	3	N60°W	...	S 7·0	...	...	53	...	61	...	·685	...	0·1	...	0	...	...	0	...	...	0·27	...	...	0	Busrah.
29	....	....	1	..	....	....	....	....	E	N34°W	2·3‖	3·3	—1·0	3	—1·6	66	+17	·619	+·158	0·8	+0·2	0	...	...	0	0	0	0·59	0·17	+0·42	0	Ispahan.
....	3	16	7	1	1	2	1	....	N57°E	S14°W	3·0	2·2	+0·8	66	+55	67	+35	·591	+·232	1·8	+1·0	0	...	...	0·09	0·05	+0·04	1·22	0·83	+0·39	0·09	Tehran.
4	11	....	....	....	....	....	1	15	N29°W	N4°W	4·3	3·9	+0·4	82	+21	42	— 3	·503	—·111	0·1	—0·1	0	...	...	0	0·09	—0·09	0·79	0·33	+0·46	0	Baghdad.
1	....	....	2	..	....	20	7	1	S56°W	...	...	...	...	79	...	63	...	·706	...	2·0	...	0	...	...	0	...	...	2·77	...	...	0	Beirut.
2	..	3	....	9	4	12	1	..	S3°W	S12°W	12·8	10·7	+2·1	56	+ 2	76	+ 4	8·44	+·006	4·0	+0·3	0	...	...	0·02	0·14	—0·12	0·02	0·37	—0·35	0·02	Aden.
..	....	1	....	4	1	13	....	12	S74°W	W	17·9	13·8	+4·1	49	+ 7	67	+ 1	·914	+·025	...	...	0	...	...	0	0·43	—0·43	0	0·83	—0·83	0	Perim.
6	....	....	....	1	10	12	1	..	‡S25°W	S1°W	7·1	6·9	+0·2	69	—17	83	— 2	·704	—·024	5·7	—0·5	2	...	...	2·07	1·90	+0·17	10·50	16·33	—5·83	1·02	Zanzibar.
....	....	1	....	3	....	20	6	1	S50°W	...	5·3	...	...	76	...	85	...	·719	...	...	...	2	...	...	1·29	...	...	14·18	...	...	0·91	„ Dunga.

8 uncorrected readings.

‡ Mean of 30 days.
§ Mean of 19 days.
‖ Mean of 27 days.

G. C. B. P., Simla.—No. 30 M. E. G. I.—30-6-08.—385.—E. W. A.

Table C.—Abstract of observations taken at 8 hrs. at 24 fourth class stations in India, etc., in August 1907.

Table

Abstract of observations taken at 8 hrs.

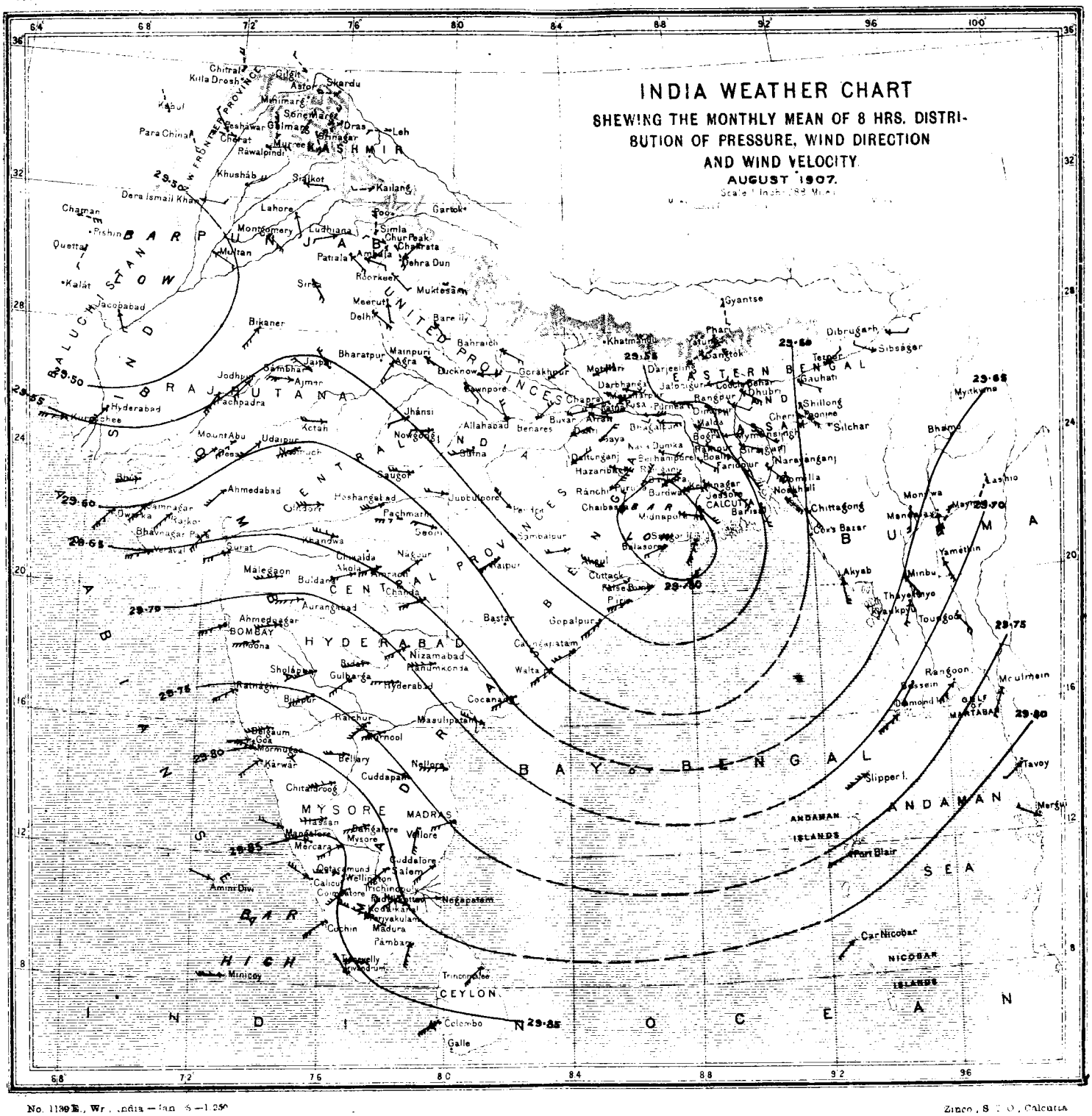
Number of subdivision.	Station.	Temperature of air.													Wind direction.										
		Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.	Number of winds from									Resultant direction.	Normal direction.
															Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
	II.—Eastern Bengal and Assam.																								
4	Bishnath	79·6	91·5	...	73·5	...	82·5	...	18·0	96·1	15th	69·4	20th	26·7	...	...	...	...	...	...	...	...	...	...	...
	Borjuli	82·0	94·1	...	75·1	...	84·6	...	19·0	98·3	19th	73·2	22nd & 24th	25·1	...	...	...	...	...	...	...	...	...	...	...
	Chandkhira ††	81·0	91·2	...	76·1	...	83·7	...	15·1	94·8	13th	74·7	20th	20·1	...	...	...	...	...	...	...	...	...	...	...
	Doom Dooma	78·7	91·9	...	75·9	...	83·9	...	16·0	95·3	16th & 23rd	74·2	17th	21·1	...	...	...	...	...	...	...	...	...	...	...
	Dikom	80·1	90·3	...	76·7	...	83·5	...	13·6	97·8	16th	72·6	17th	25·2	...	...	...	...	...	...	...	...	...	...	...
	Golaghat	82·1	91·7	...	77·2	...	84·5	...	14·5	96·2	15th	73·5	20th	22·7	...	...	...	...	...	...	...	...	...	...	...
	Hailakandi	83·1	91·5	...	76·6 (a)	...	84·1	...	14·9	96·0	26th	74·0	20th & 25th	22·0	...	...	...	...	...	...	...	...	...	...	...
	Jorehat	81·5	91·6	...	77·3	...	84·5	...	14·3	95·9	20th & 27th	73·8	20th	22·1	...	...	...	...	...	...	...	...	...	...	...
	Mesas	82·7	94·7	...	75·9	...	85·3	...	18·8	96·8	18th	74·1	20th	22·7	...	...	...	...	...	...	...	...	...	...	...
	Panerihat	76·6	89·7	...	75·5	...	82·6	...	14·2	93·8	13th	73·0	26th	20·8	...	...	...	...	...	...	...	...	...	...	...
	Srimangal	81·8	91·6	...	76·1	...	83·9	...	15·5	95·0	14th	73·2	12th	21·8	...	...	...	...	...	...	...	...	...	...	...
	Tura *	81·5	85·1	...	74·8	...	80·0	...	10·3	88·6	25th	73·3	20th, 30th & 31st	15·3	...	...	2	...	2	6	18	3	...	S 34° W	...
5	Brahmanbaria	82·9	89·3	...	77·6	...	83·5	...	11·7	92·6	25th	75·3	12th & 29th	17·3	...	...	...	...	...	...	...	...	...	...	...
	Dam Dim	79·4	91·2	...	75·2	...	83·2	...	16·0	96·4	14th	72·3	26th	24·1	...	...	...	...	...	...	...	...	...	...	...
	Goalundo	83·5	89·0	...	78·3	...	83·7	...	10·7	92·1	24th & 26th	76·2	21st	15·9	...	...	...	...	...	...	...	...	...	...	...
	Kalchini	82·6	90·2	...	75·5	...	82·9	...	14·7	94·0	13th	72·9	22nd & 26th	21·1	...	...	...	...	...	...	...	...	...	...	...
	Nagrakata	82·9	90·5 (a)	...	75·4	...	83·0	...	15·1	95·6	14th	73·0	30th	22·6	...	...	...	...	...	...	...	...	...	...	...
	Pabna	83·8	93·4	...	77·7	...	85·6	...	15·7	96·0	24th & 26th	73·9	21st & 24th	22·1	...	...	...	...	...	...	...	...	...	...	...
	III.—Bengal																								
6	Fraserganj	82·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5	25	1	...	...	S 6° E	...
	XI.—Central Provinces.																								
24	Chhindwara	...	...	...	Observatory not opened.						...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Hill Stations.																								
	Panighatta	80·8	88·5	...	74·4	...	81·5	...	14·1	93·9	14th	72·3	20th	21·6	...	...	...	...	...	...	...	...	...	...	...
	Kurseong	69·1	74·5	...	65·4	...	70·0	...	9·1	80·3	12th	63·5	21st	16·8	...	...	...	...	...	...	...	...	...	...	...
	Poo	...	74·8	...	58·9	...	66·9	...	15·9	78·8	10th	54·7	31st	24·1	27	...	...	...	1	...	2	1	...	S 45° W	...
	Killa Drosh †	74·6	92·8	...	69·5	...	81·3	...	23·3	103·0	10th	60·0	27th	43·0	26	...	1	...	1	...	...	2	...	W	...
	Pishin	...	93·1	...	64·8	...	79·0	...	28·3	100·4	8th & 10th	54·1	25th & 31st	46·3	...	...	...	...	...	...	...	...	...	...	...
	Extra India.																								
	D'thala	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

† Observations of 30 days.
* Observations of 10 hrs.
†† Observations of 24 days.
(a) Mean of 30 days.

D.

t 24 fourth class stations in India, &c., in August 1907.

Wind velocity.			Wind steadiness.		Hygrometry 8 hrs.				Cloud.		Rainfall.									Heaviest rainfall during month.	Station.
Mean velocity miles per hour.	Normal.	Percentage departure from normal.	Actual percentage.	Departure from normal.	Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Mean cloud amount at 8 hrs.	Departure from normal.	Number of rainy days	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month	Departure from normal.	Total rainfall from 1st May to 31st August 1907.	Normal rainfall for period 1st May to 31st August.	Departure from normal of period 1st May to 31st August 1907.		
27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
																					II—Eastern Bengal and Assam.
...	...	...	...	...	97	...	·981	...	...	...	16	...	...	18·17	...	...	62·39	...	...	3·04	Bishnath.
...	...	...	...	...	89	...	·975	...	...	...	12	...	...	8·23	...	...	41·30	...	...	1·75	Borjuli.
...	...	...	...	...	89	...	·950	...	...	...	14	...	...	7·06	...	...	60·90	...	...	1·71	Chandkhira.
...	...	...	...	...	95	...	·943	...	...	...	16	...	...	14·56	...	...	60·22	...	...	2·34	Doom Dooma.
...	...	...	...	...	92	...	·945	...	...	...	16	...	...	17·73	...	...	57·82	...	...	3·55	Dikom.
...	...	...	...	...	89	...	1·018	...	...	...	13	...	...	8·45	...	...	38·30	...	...	1·53	Golaghat.
...	...	...	...	...	87	...	·923	...	...	...	20	...	...	15·15	...	...	80·18	...	...	3·13	Hailakandi.
...	...	...	...	...	91	...	·981	...	...	...	16	...	...	16·13	...	...	49·96	...	...	2·94	Jorehat.
...	...	...	...	...	89	...	1·001	...	...	...	22	...	...	23·12	...	...	76·49	...	...	3·82	Messa.
...	...	...	...	...	95	...	·869	...	...	...	11	...	...	6·07	...	...	41·08	...	...	1·10	Panerihat.
...	...	...	...	...	87	...	·949	...	...	...	22	...	...	12·80	...	...	60·05	...	...	2·38	Srimangal.
...	...	...	74	...	84	...	·910	...	...	...	16	...	...	12·31	...	...	62·92	...	...	2·32	Tura.
...	...	...	...	...	83	...	·945	...	...	...	13	...	...	7·14	...	...	46·07	...	...	1·38	Brahmanbaria.
...	...	...	...	...	92	...	·920	...	...	...	18	...	...	18·35	...	...	100·89	...	...	2·70	Dam Dim.
...	...	...	...	...	83	...	·958	...	...	...	11	...	...	7·13	...	...	40·29	...	...	3·26	Goalundo.
...	...	...	...	...	83	...	·934	...	...	...	16	...	...	29·71	...	...	118·46	...	...	8·48	Kalchini.
...	...	...	...	...	83	...	·934	...	...	...	18	...	...	19·18	...	...	99·48	...	...	3·65	Nagrakata.
...	...	...	...	...	84	...	·971	...	...	—	14	...	...	5·16	...	...	32·59	...	...	1·45	Pabna.
																					III.—Bengal.
...	...	...	94	...	89	...	·974	...	...	...	17	...	...	24·55	...	...	64·21	...	...	9·53	Fraserganj.
																					XI.—Central Provinces.
...	...	Obser	vator	y not	opene	d.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Chhindwara.
																					Hill Stations.
...	...	...	...	...	86	...	·898	...	...	...	18	...	...	13·54	...	...	71·87	...	...	1·89	Panighatta.
...	...	...	...	...	89	...	·635	...	...	...	27	...	...	29·05	...	...	95·45	...	...	4·37	Kurseong.
...	...	...	10	...	...	...	...	...	5·5	...	0	...	...	0·28	...	...	1·37	...	...	0·07	Poo.
...	...	...	2	...	68	...	·578	...	1·0	...	7	...	...	2·29	...	...	5·84	...	...	0·50	Killa Drosh.
...	...	...	...	...	...	...	...	...	...	...	1	...	...	0·56	...	...	1·01	...	...	0·56	Pishin.
																					Extra India.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	D'thala.



No. 1139 E., Wr., India—Jan. '8—1,250

Zinco, S. C., Calcutta

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	,, ,, ,, ,, ,,

No. 1139 E., Wr., India.—Jan. 08—1,250.

LITHO. BY N. L. HALDER Zinco, S. I. S., Calcutta.

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

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

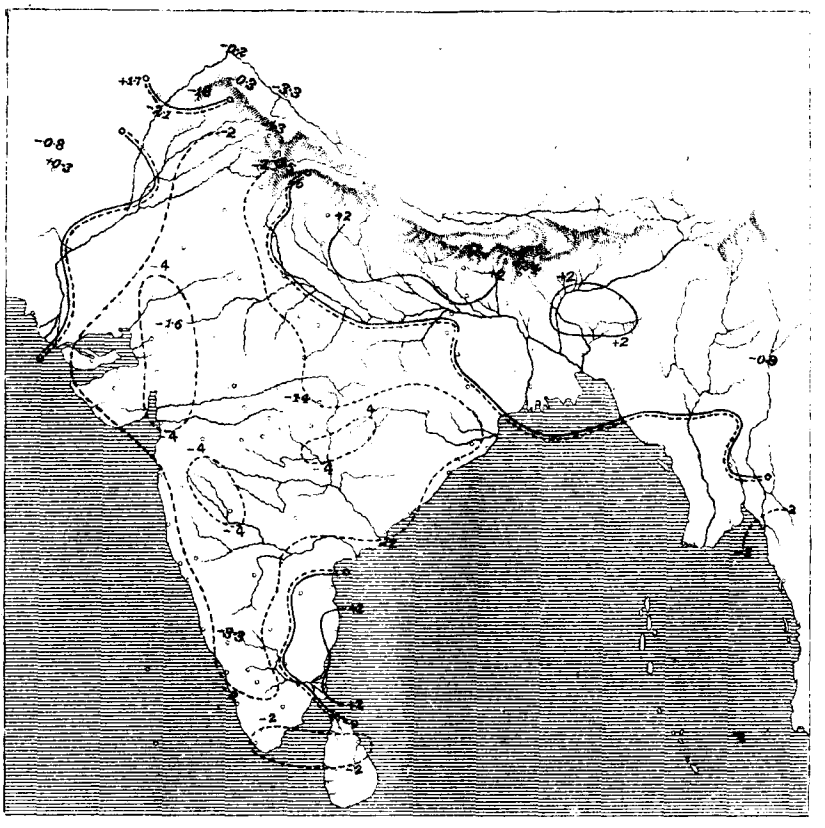
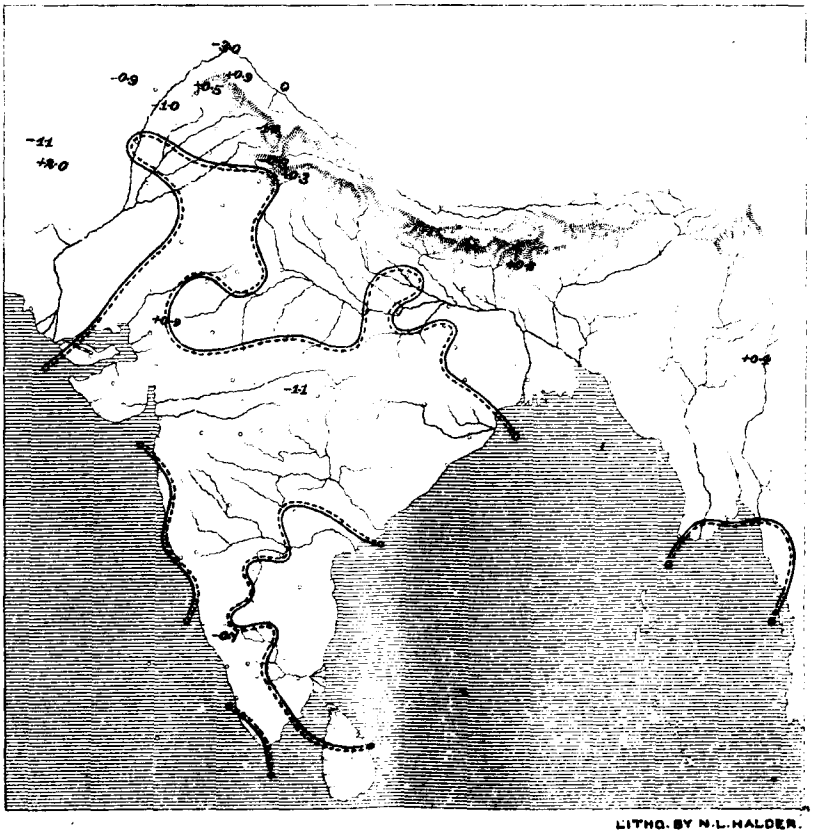


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MINIMUM TEMPERATURE.



LITHO. BY N.L. HALDER.

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

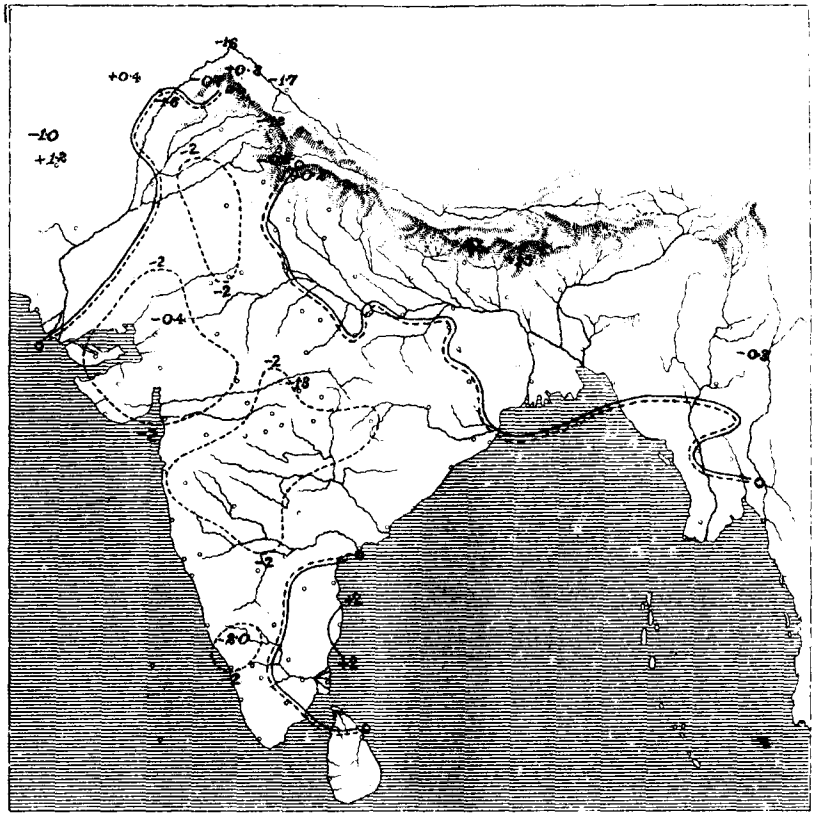
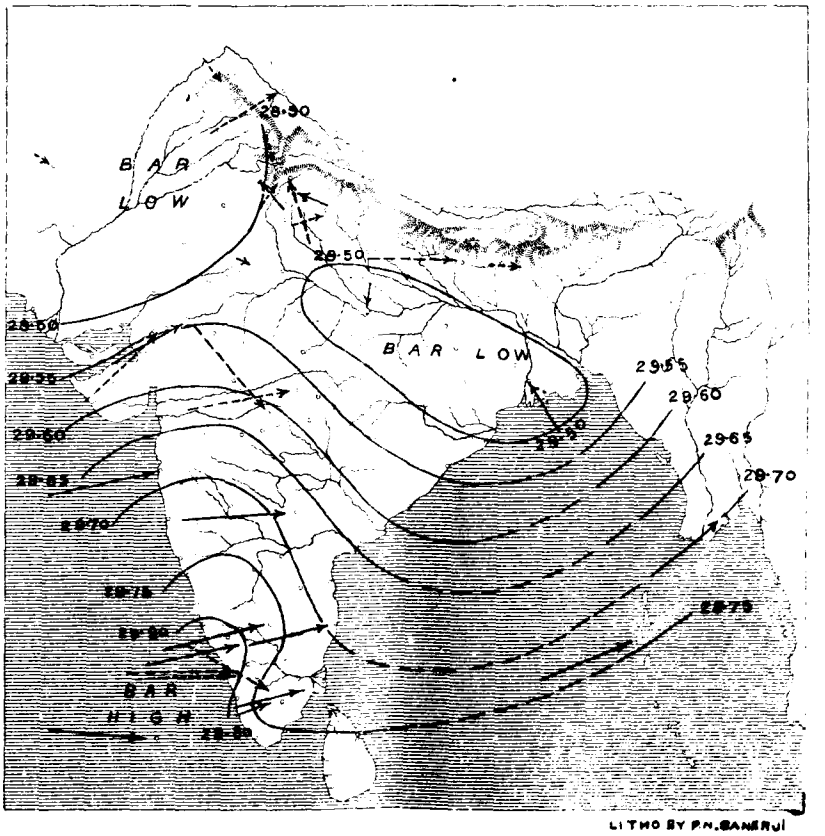


CHART SHEWING THE MONTHLY MEAN OF PRESSURE AND RESULTANT WIND DIRECTION.



LITHO BY P.N. BANERJI

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

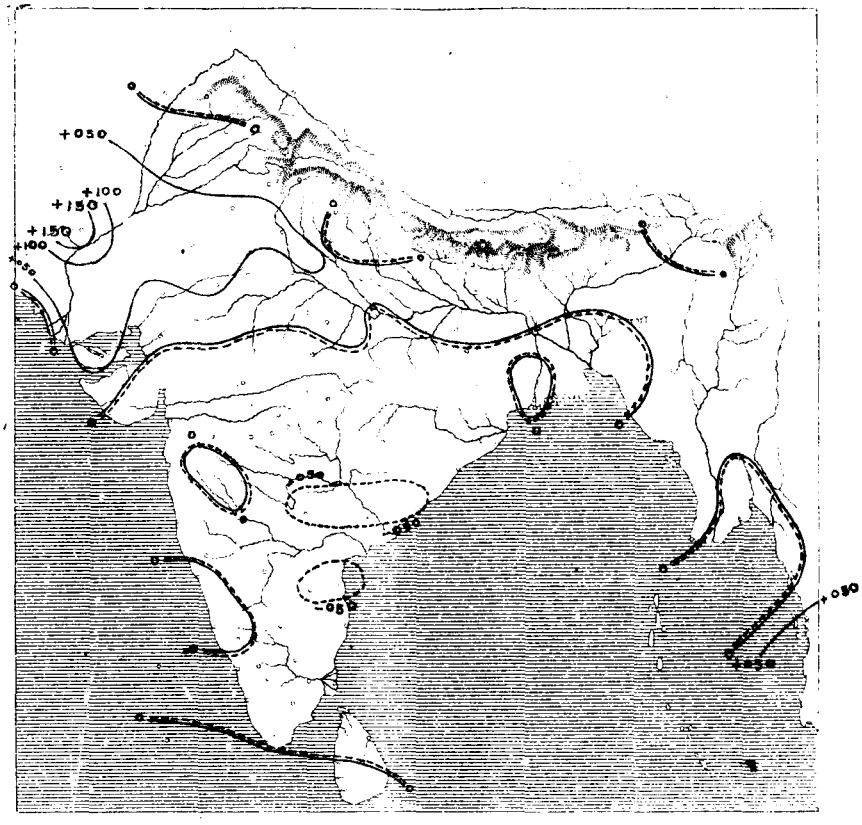
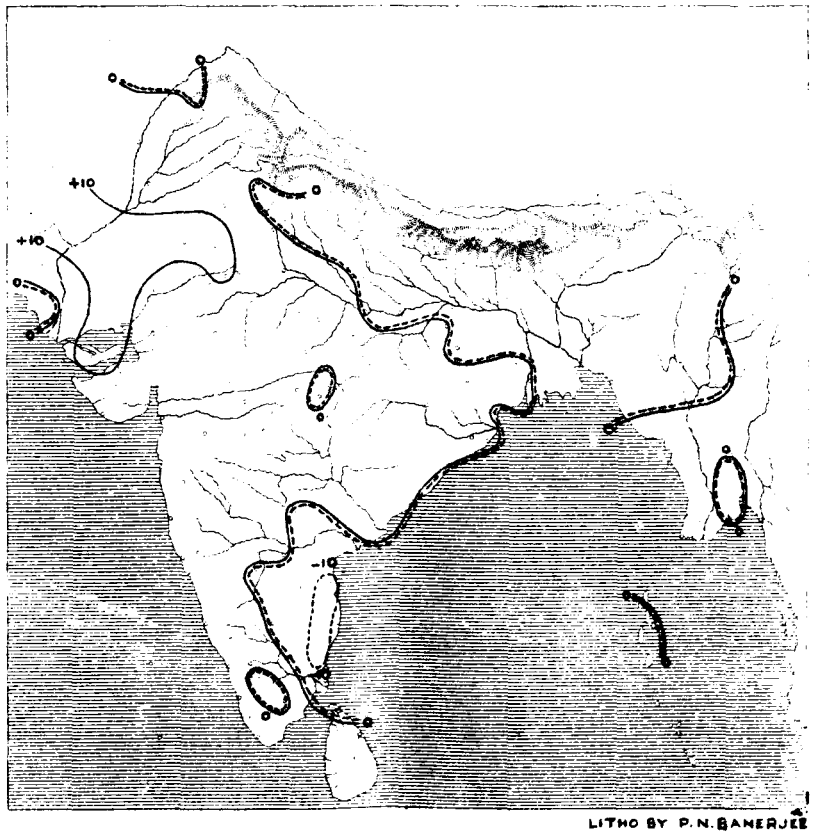


CHART SHEWING THE DEPARTURE FROM NORMAL
OF THE MONTHLY MEAN OF RELATIVE
HUMIDITY AT 8 HRS.



LITHO BY P.N.BANERJEE.

PLATE VI.

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

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

(BASED ON THE RETURNS OF TABLE B.)

LITHO BY P. N. BANERJI.

No. 1139 E., Wr., India.—Jan. 08.—1,250.

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

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

GOVERNMENT OF INDIA.

METEOROLOGICAL DEPARTMENT.

MONTHLY WEATHER REVIEW.

PUBLISHED BY ORDER OF

THE GOVERNMENT OF INDIA.

SIMLA, SEPTEMBER, 1907.

INTRODUCTION.

This review of the weather in India during the month of September, 1907, is based on observations taken daily at 8hrs. at 237 stations, and on additional observations taken at 10 hrs. and 16 hrs. at 38 stations. In the rainfall summary the data furnished by the meteorological observatories, and such rainfall statements of the month as had been published by Provincial Governments up to the date of the preparation of the review have been utilized. The brief notes on solar, seismic and magnetic disturbances have been supplied by the chief observatories.

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

Summary of the chief features of the weather in India during the month of September, 1907.

2. The chief feature of the meteorology of September was the extreme weakness of the monsoon currents throughout the month with the consequent scantiness of rainfall over by far the greater part of the country. From the whole of northern India, excluding the northeast, the monsoon had withdrawn during the last week in August, and northwest India, the United Provinces and the east of Central India received almost no rainfall; instead westerly winds prevailed in the last two areas as well as in the east Punjab, and in consequence the moisture in the air was much less than normal and temperature was in excess. In the west of Central India and in the Central Provinces rain fell on several days during the month, especially from the 9th to the 11th in the latter area, but the total fall for the month was far short of the normal and the air was drier and hotter than usual.

In Burma and northeast India monsoon conditions prevailed throughout the month and three feeble depressions developed. They materially increased the activity of the Bay monsoon and rainfall was widespread in these areas. In Upper Burma, the Thayetmyo, Yamethin, Minbu and Mandalay districts received a very scanty supply of rain but otherwise the rainfall in Burma and northeast India was approximately normal.

In the Peninsula the monsoon though generally weak was most active in the interior districts during the last ten days, but the rainfall for the month was in large defect except in Mysore and southeast Madras.

Solar, seismic and magnetic disturbances.

KODAIKANAL OBSERVATORY.

3. *Solar observations.*—The weather was much better in September for solar observations than during the preceding three months. It was possible to observe the sun for spots and faculæ on all the days and prominences on all but three days.

Spots.—The spot activity of the sun showed a decided increase during the month after a period of comparative quiescence since May last. There were as many as 36 spot groups observed against 22 in August. The daily average also rose from 4·3 to 6·0 in September. The largest number of spots recorded for any one day during the month was 11 on the 9th. The chief spots of the month were Nos. 1228, 1237,

1241, and 1242, but none of these were very large. Nos. 1228 and 1242 were very active spots which developed from small dots into long scattered groups. The former was visible from the 6th to 18th and the latter from the 17th to the end of the month. Nos. 1237 and 1241 were single spots of round and regular outline. They traversed the solar disc without undergoing any great change.

The distribution of spots in latitude was as follows :—

	0-10	10-20	20-30	Total.
North	13	3	2	18
South	2	14	2	18

The predominance of southern spots noticed since April last has given place during the month to an equal distribution between the two hemispheres : but the northern and southern zones of greatest activity are not situated in the same regions of latitude.

Prominences.—The prominence activity also showed an increase during September. There were nearly 47 large prominences observed, of which seven were about 2 minutes high. The tallest recorded was 2½ minutes high and was observed on the 10th at position angle 288°.

Magnetic disturbances.—Moderate magnetic disturbances were recorded from the 10th to 13th and from the 16th to 22nd.

J. EVERSHED,

Acting Director,

Kodaikanal and Madras Observatories.

BOMBAY OBSERVATORY.

Note on the Alibag Magnetic Record.

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

The days of the month selected as quiet are the 3rd, 9th, 14th, 23rd and 24th.

The mean observed absolute values of the several elements as also the ranges and summed ranges of the horizontal force and declination for the month are as follow :—

Easterly declination	1° 1′ 6″
Horizontal force	0·36874 C. G. S. Unit.
Dip	23° 15′·4.
Horizontal force range	0·00056 C. G. S. Unit.
Horizontal force summed range	0·00358.
Declination range	5′·18.
Declination summed range	19′·42.

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

MAGNETIC DISTURBANCES, SEPTEMBER, 1907.

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

The magnitudes of the disturbances are determined from horizontal force traces.

C=calm; S=small; M=moderate; G=great; V G=very great. Days are reckoned from midnight to midnight.

SEISMIC DISTURBANCES RECORDED AT COLABA.

Two seismic disturbances were recorded during the month, on the 2nd within a short time of each other, the after tremors of the first mingling with the commencement of the second.

List of seismic disturbances.

Date.	Commencement.	Maximum.	End.	Maximum displacement from mean position.	Duration.
	H. M.	H. M.	H. M.	mm.	
2nd .	16 24·3	16 48·1	...	7·3	...
2nd .	...	18 34·5	19 31·5	1·5	...

All times given above denote G. M. T.

N. A. F. MOOS,

Director,

Government Observatories, Bombay and Alibag.

CALCUTTA OBSERVATORY.

5. List of displacements recorded by the Milne Seismograph at the Alipore Observatory during September 1907.

Date 1907.	P. T. Commencement. G. M. T.	L. W. Commencement. G. M. T.	Maximum. G. M. T.	End. G. M. T.	Duration.	Maximum displacement on trace from mean position. mm.	REMARKS.
	H. M.	H. M.	H. M.	H. M.	H. M.		
September ...	16 15·4	16 25·6	16 48·0	19 24·4	3 9·0	2·25	
15th	17 54·6	17 59·2	17 59·7	18 17·5	0 22·9	1·25	
15th	19 22·1	19 26·1	19 27·1	19 42·9	0 20·8	0·75	Sensibility 1 mm=0·38 of 1.
22nd	12 17·3	12 20·7	12 31·0	13 4·0	0 46·7	1·50	

C. W. PEAKE,

Meteorologist, Calcutta.

SIMLA OBSERVATORY.

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

Date.	Commencement of 1st P.T. G.M.T.	Commencement of 2nd P.T. G.M.T.	Beginning of L.W. G.M.T.	Time of maximum amplitude. G.M.T.	End approximately G.M.T.	Duration.	Maximum displacement of style mm.	REMARKS.
	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.		
September.								
„ 2nd	16 12·3	16 21·9	16 38·5	16 42·3	17 20	1 8	10	Centre of disturbance about 5,300 miles distant.
„ 12th	...	...	...	12 37·1	...	...	2	Local.
„ 15th	17 48·2	...	...	17 51·4	18 10	0 22	2	Centre of disturbance some distance away.
„ „	19 16·8	...	...	19 20·4	19 35	0 18·2	1·5	Ditto.
„ 20th	12 17·5	...	...	...	12 18·3	0 0·8	...	Tremor.
„ 24th	...	...	12 24·8	...	12 25·9	...	·5	Local.
„ 28th	...	...	...	9 13·8	...	...	·4	Local.

Earthquakes of slight intensity were felt at Mount Abu on the 7th at 12 hrs. 18 min. G. M. T. and at Koraput (Vizagapatam District) at 2 hrs. 30 min. (G. M. T.) on the 28th.

J. PATTERSON,

Imperial Meteorologist, Simla.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

7. Solar observations.—Observations were taken on every day except the 18th, 21st, 25th and 29th, groups of sunspots being seen throughout. They were especially numerous between the 6th and 12th, and faculæ were visible on each day of observation.

MAGNETIC DISTURBANCES.

Day.	Time.	Disturbance.
1st	0h. 48m. to 1h.	Increase in H. F. (15).
6th	1½h. to 3h.	Wave in H. F. (+25).
6th	11h. to 14½h.	Wave in H. F. (+28).
10th	5h. 48m.	Sudden increase in H. F. (15).
10th to 11th	15h. to 15h.	See diagram.
12th	8½h. to 9½h.	Two successive waves in Decl (+2·1 and +2·1) small fluctuations in H. F.
16th	4½h. to 5½h.	Wave in H. F. (+10).
16th to 19th	7h. to 0h.	Fluctuations in H. F. (±5) in Decl small.
17th	12½h. to 13h.	Sharp wave in H. F. (+25) in Decl (−14).
17th	17½h. to 21½h.	Decrease in H. F. (40) followed by an increase (40) till 22½h.
18th	17½h. to 18½h.	Wave in H. F. (−28) in Decl (+15).
19th	11½h. to 14h.	Wave in H. F. (+17).
19th	21½h. to 23½h.	Wave in H. F. (+14).
21st	3½h. to 4½h.	Wave in H. F. (+20).
26th	13½h. to 16½h.	Decrease in H. F. (72) followed by small fluctuations till 27th 1h. and a double wave (+10 to −11).
27th	1h. to 3h.; 4½h. to 7½h.	Wave in H. F. (−20); in Decl (+10).
28th to 29th	14h. to 4h.	Smooth wave in H. F. (−50).
29th	16h. to 17½h	Wave in H. F. (−12) with small superposed fluctuations.
30th	17h. to 23½h.	Two successive waves in H. F. (−40) and (−25) the first steep at commencement.

T. F. CLAXTON,

Director.

Weather in the Indian monsoon region.

8. Pressure was in defect in the southern Indian Ocean as represented by Mauritius but in the equatorial regions it was slightly high and winds while normal in direction were weaker than usual at Mauritius, Zanzibar and Seychelles. Rainfall was in defect at Mauritius and heavier than usual at the other two stations. There was thus nothing in the conditions at these stations to account for the deficiency of rainfall in India.

	Mauritius.	Zanzibar.	Seychelles.
Departure from normal of mean pressure.	−·018	+·018	+·017
Actual mean wind direction.	S 56° E	S 10° E	S 41° E
Normal mean wind direction.	S 72° E	S 6° E	S 40° E
Actual mean wind velocity (miles per diem).	229	108	244
Normal mean wind velocity (miles per diem).	288	134	268
Rainfall departure from normal.	−0·93	+0·27	+0·81

Depressions and cyclonic storms.

9. Two depressions formed near the head of the Bay during the first week of September but they were feeble disturbances and were evidently of low elevation, for they failed to cross the Chota Nagpur and Orissa plateau.

A depression of small extent though of moderate intensity formed over Calcutta on the 1st but it only moved a short distance westward before becoming diffused in character and there was no trace of it left by the morning of the 4th. The depression however caused heavy rainfall in Chota Nagpur and south Bihar, and general rain over the rest of north-east India.

The preliminary indications of a second disturbance at the head of the Bay appeared on the 4th and by next morning a feebly developed depression existed off the Orissa and Bengal coasts. It did not possess much vitality and seems to have filled up without crossing the coast. Under its influence moderately heavy rain fell in Orissa and during this period there was very good rain in northeast India but it was due more to the position of the trough of low pressure than to the depression.

The departures from normal of pressure indicated an area of low pressure over central Burma from the 13th to the 18th when it moved westward and travelled as far as the Orissa coast. It was the cause of a good burst of rain in Burma and on the 20th in deltaic-Bengal.

Pressure.

10. Pressure on the mean of the whole of India was in excess by ·010″ but the geographical distribution of the abnormals of pressure was characterized by an area of large excess of pressure over Gujarat, south Rajputana, the west of Central India and the western half of the Central Provinces and an area of deficient pressure along the Himalayas from Peshawar to Dibrugarh, in northeast India and Burma. The trough of low pressure was thus displaced much farther north and east than usual and westerly winds prevailed over the whole of northern and central India, west of Bengal, in which region practically no rain fell throughout the month. As far as can be judged from the pressure data for the few hill stations available the departures from normal of pressure in the higher regions of the atmosphere followed the same general distribution as on the plains except in the extreme north where the deficiency of pressure at the stations on the plains was changed into normal pressure at the Kashmir stations.

The following tables give the pressure data for the 14 meteorological provinces and the abnormal features of the vertical pressure gradient at 8 pairs of associated stations.

Division.	Departure from normal of mean 8 hrs. pressure.
	″
Burma	—·009
Eastern Bengal and Assam	—·025
Bengal	—·011
United Provinces	0
Punjab	—·006
North-West Frontier Province	—·030
Sind	+·031
Rajputana	+·038
Bombay	+·043
Central India	+·046
Central Provinces	+·048
Hyderabad	+·025
Mysore	+·011
Madras	+·011

Hill station.	Departure from normal pressure A	Plain station.	Departure from normal pressure. B	Departure of pressure difference B—A.
	″		″	″
Quetta	+·001	Jacobabad	+·020	+·019
Leh	+·003	Lahore	—·019	—·022
Murree	+·007	Peshawar	—·041	—·048
Simla	—·002	Ludhiana	—·001	+·001
Chakrata	—·015	Roorkee	—·009	+·006
Darjeeling	—·027	Dhubri	—·034	—·007
Mount Abu	+·026	Deesa	+·050	+·024
Pachmarhi	+·039	Khandwa	+·059	+·020

Temperature.

11. Maximum temperature was in excess in a tract of country extending from the United Provinces to the south of the Deccan, and in the north Punjab, the excess being large in Oudh and the west of the United Provinces owing to the absence throughout the month of monsoon conditions. Over the rest of the country the maximum was generally normal, the only noteworthy exception being in west Gujarat and adjacent districts where it was in defect although there was no monsoon in these regions during the month. Although the absence of monsoon conditions over a large part of the country tended to warmer weather than usual yet the absence of cloud favoured radiation at night and thus lowered the night temperature which was in consequence normal over almost the whole of India, the only important exceptions being a defect in east Gujarat and Rajputana, and a slight excess in parts of the Punjab.

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

Sub-division.	Actual temperature.					Departure from normal of		
	Mean maximum.	Mean minimum.	Monthly mean of mean between maximum and minimum.	Mean daily range of temperature.	Absolute range during month.	Maximum.	Minimum.	Daily range.
	°	°	°	°	°	°	°	°
1. Bay Islands	85·7	77·0	81·4	8·8	14·8	+0·4	+0·2	+0·2
2. Lower Burma	85·4	75·7	80·6	9·8	16·6	−0·2	+0·4	−0·6
3. Upper Burma	90·0	75·3	82·7	14·7	21·4	−0·5	+0·4	−0·9
4. Assam	86·5	75·9	81·2	10·6	19·2	−1·3	−0·2	−1·1
5. Eastern Bengal	88·3	77·5	82·9	10·7	18·3	+0·4	+0·1	+0·3
6. Bengal	90·4	78·4	84·4	12·0	20·1	+1·4	+0·4	+1·0
7. Orissa	89·3	77·8	83·6	11·5	19·7	+0·3	0	+0·3
8. Chota Nagpur	88·5	74·2	81·4	14·3	25·5	+0·6	+0·2	+0·4
9. Bihar	90·4	77·8	84·1	12·6	21·7	+0·5	−0·3	+0·8
10. United Provinces, East	95·4	77·0	86·2	18·5	30·4	+4·0	+0·1	+3·9
11. United Provinces, West	95·4	75·2	85·4	20·2	29·9	+4·6	+0·6	+4·0
12. Punjab, East and North	98·1	75·6	86·9	22·5	33·4	+3·0	+2·0	+1·0
13. Punjab, Southwest	101·6	77·5	89·5	24·1	37·0	+1·0	+1·0	0
14. Kashmir	75·0	45·7	60·4	29·4	40·9	+2·1	−1·1	+3·2
15. North-West Frontier Province	100·6	74·2	87·4	26·4	37·3	+2·3	+1·7	+0·6
16. Baluchistan	90·4	60·8	75·7	29·6	44·2	+1·7	−0·3	+2·0
17. Sind	95·2	75·7	85·5	19·5	25·9	−1·4	−0·7	−0·7
18. Rajputana, West	94·8	72·8	83·8	22·1	31·4	−2·3	−3·9	+1·6
19. Rajputana, East	92·5	72·8	82·7	19·7	28·6	+0·6	−2·4	+3·0
20. Gujarat	89·4	73·7	81·6	15·7	23·1	−0·3	−1·4	+1·1
21. Central India, West	88·1	69·0	78·6	19·1	29·2	+0·9	−1·5	+2·4
22. Central India, East	92·2	74·7	83·4	17·5	28·7	+2·5	−0·2	+2·7
23. Berar	92·8	72·3	82·6	20·5	31·8	+4·0	−0·2	+4·2
24. Central Provinces, West	90·0	71·2	80·7	18·8	29·4	+2·5	−1·3	+3·8
25. Central Provinces, East	88·7	72·3	80·6	16·4	25·0	+0·8	−1·8	+2·6
26. Konkan	83·1	75·0	79·1	8·2	12·6	−0·4	−0·1	−0·3
27. Bombay Deccan	87·6	67·8	77·7	19·9	30·0	+2·5	−0·9	+3·4
28. Hyderabad, North	87·9	70·5	79·2	17·4	26·0	...	...	...
29. Hyderabad, South	89·2	72·8	81·0	16·4	25·3	+2·3	+0·9	+1·4
30. Mysore	83·8	65·7	74·8	18·1	26·8	+1·4	−0·2	+1·6
31. Malabar	83·7	74·4	79·1	9·3	13·3	−0·1	+0·4	−0·5
32. Madras, Southeast	94·6	75·6	85·0	19·0	28·0	+1·5	+0·6	+0·9
33. Madras, Deccan	94·0	74·8	84·5	19·2	29·1	+3·3	+1·0	+2·3
34. Madras, Coast North	92·2	78·5	85·3	13·8	20·5	+2·2	+0·6	+1·6

Winds.

12. As the trough of low pressure remained persistently close to the Himalayas and pressure was in moderate to large excess over Gujarat and adjacent districts winds exhibited a much greater degree of steadiness than usual over the United Provinces, the Punjab, Rajputana, Central India and the Central Provinces; in these areas the prevailing direction had a very strong westerly component and the winds thus carried very dry air into them. In Bengal where winds are generally rather variable in September they were also much steadier than usual. On the other hand there was approximately the normal amount of air movement over the whole of India, the only noteable exceptions were a considerable strengthening of the winds in Rajputana and the Punjab and marked weakening in the North-West Frontier Province.

Division.	Departure from normal of	
	Hourly wind velocity.	Wind steadiness.
Burma	−0·3	+3
Eastern Bengal and Assam	−0·4	+4
Bengal	−0·4	+15
United Provinces	+0·4	+33
Punjab	+0·8	+29
North-West Frontier Province	−0·8	+1
Sind	−1·7	+16
Rajputana	+2·4	+34
Bombay	−0·5	−4
Central India	−0·5	+30
Central Provinces	−0·1	+19
Hyderabad	−0·8	−18
Mysore	−1·3	−12
Madras	+0·3	−2

Humidity and cloud.

13. In Burma, north-east India and the Peninsula regions where monsoon conditions prevailed during the month the hygrometric state of the atmosphere calls for no remarks but in the rest of the country with the exception of Sind, relative humidity as well as the actual amount of water vapour in the air was in defect; this was especially the case in the United Provinces and the west of the Punjab where dry westerly winds prevailed throughout the month and to a less extent in Central India and the Central Provinces. In Sind and the adjacent districts to the east although no rain fell during the month the relative and absolute amount of moisture in the air was in slight excess probably owing to the unusually heavy rain that had been received in August. Skies were very free from cloud in the United Provinces, the Punjab, the North-West Frontier Province, Rajputana, the Central Provinces and Hyderabad, the regions in which the monsoon was either entirely absent or only feebly marked. In the rest of the country the normal amount of cloud was present, but it may be noted that in Sind there was slightly more than the normal amount of cloud in keeping with the hygrometric conditions.

Division.	Hygrometry, 8 hours.				Cloud.	
	Mean humidity.	Departure from normal.	Mean vapour tension in inches of mercury	Departure from normal in inches of mercury	Mean cloud amount at 8 hours.	Departure from normal.
	%					
Burma	90	+1	·886	+·003	7·1	+0·3
Eastern Bengal and Assam	90	−1	·932	−·011	6·3	−0·8
Bengal	84	−2	·906	−·016	5·1	−0·7
United Provinces	66	−15	·722	−·127	1·5	−2·6
Punjab	58	−11	·656	−·074	0·4	−1·6
North-West Frontier Province	61	−5	·670	−·013	0·2	−0·7
Sind	76	+3	·792	+·008	2·6	+0·2
Rajputana	66	−4	·674	−·064	1·2	−2·4
Bombay	80	−3	·765	−·033	5·0	−0·8
Central India	71	−11	·681	−·101	4·5	−0·7
Central Provinces	72	−10	·697	−·087	3·3	−2·5
Hyderabad	72	−9	·678	−·058	4·4	−2·2
Mysore	82	−2	·628	−·001	7·1	−0·9
Madras	75	−2	·794	−·012	5·3	−0·9

Rainfall.

14. As the monsoon currents finally withdrew from northern India excluding the northeast during the last week of August, conditions were characteristic of those generally prevailing in October instead of September and in the east of Central India, the west of the United Provinces, the Punjab, Sind and Rajputana the month was almost rainless; all the rain that was received in the Punjab was given by disturbances in Kashmir and generally occurred along the hills especially in the Rawalpindi district. These disturbances also gave considerable rain in the North-West Frontier Province and Kashmir. In the extreme east of the United Provinces a few isolated falls were occasionally received during the month but the total amount was very small.

In the Central Provinces but especially in the eastern portion a good burst of rain occurred from the 9th to the 11th when the southern end of the trough of low pressure extended well out into the Bay and westward to the east of the Central Provinces, but this was almost all the rain that was received and so was far short of the normal. In Gujarat and the west of Central India rain fell occasionally but the amount was small.

Monsoon conditions prevailed over Burma, northeast India and the Peninsula throughout the month but they were generally weak. In northeast India the three depressions that affected the weather stimulated the Bay current into considerable activity and good rain fell during the periods of their existence. Rainfall was 28 per cent. in excess in Assam and slightly above normal in Chota Nagpur, while in Eastern Bengal, Bengal and Bihar it was about the average. In Lower Burma rainfall was well distributed throughout the month and the average supply for September was received but in Upper Burma, Bhamo, Maymyo and Lashio were the only districts where the rainfall exceeded the normal and in the Mandalay, Minbu, and Thayetmyo districts the deficiency was large.

In the Peninsula the monsoon was generally weak and in the interior districts rainfall occurred chiefly during the last ten days. There was thus a large deficiency in rainfall except in Mysore where it was 21 per cent. in excess and in southeast Madras where it was only 3 per cent. below normal.

The monsoon was thus extremely weak during September and on the mean of the whole of India rainfall was 38 per cent. in defect.

Division.	Rainfall.			
	Actual.	Normal.	Departure from normal.	Percentage departure.
	Inches.	Inches.	Inches.	
Burma	10·91	11·86	−0·95	−8
Eastern Bengal and Assam	13·46	12·65	+0·81	+6
Bengal	8·33	9·32	−0·99	−11
United Provinces	0·43	6·34	−5·91	−93
Punjab	0·17	2·62	−2·45	−94
North-West Frontier Province	0·49	1·23	−0·74	−60
Sind	0·02	0·47	−0·45	−96
Rajputana	0·08	3·50	−3·42	−98
Bombay	3·87	7·21	−3·34	−46
Central India	0·90	6·15	−5·25	−85
Central Provinces	1·86	7·30	−5·44	−75
Hyderabad	3·25	7·46	−4·21	−56
Mysore	5·86	4·83	+1·03	+21
Madras	4·35	5·99	−1·64	−27
Mean of India when the size of the above areas is taken into account.	4·26	6·99	−2·62	−38

Sub-division.	Number of rainy days.		Rainfall.			
	Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
			Inches.	Inches.	Inches.	
1. Bay Islands	12·0	20·4	5·46	15·76	−10·30	−65
2. Lower Burma	18·0	18·8	16·77	17·34	−0·57	−3
3. Upper Burma	9·1	10·1	5·81	7·38	−1·57	−21
4. Assam	17·8	13·6	15·85	12·39	+3·46	+28
5. Eastern Bengal	13·0	13·0	10·94	12·91	−1·97	−15
6. Bengal	10·0	11·4	8·64	9·76	−1·12	−11
7. Orissa	9·2	12·0	6·48	9·79	−3·31	−34
8. Chota Nagpur	7·5	10·4	8·75	8·25	+0·50	+6
9. Bihar	7·7	9·0	8·71	9·02	−0·31	−3
10. United Provinces, East.	1·0	7·3	0·73	6·79	−6·06	−89
11. United Provinces, West.	0·2	5·9	0·09	5·84	−5·75	−98
12. Punjab, East and North.	0·4	3·2	0·21	3·10	−2·89	−93
13. Punjab, Southwest.	0·1	1·1	0·02	0·79	−0·77	−97
14. Kashmir	1·0	3·0	0·54	1·78	−1·24	−70
15. North-West Frontier Province.	1·0	1·8	0·49	1·23	−0·74	−60
16. Baluchistan	0	0·3	0	0·14	−0·14	−100
17. Sind	0·1	0·7	0·02	0·47	−0·45	−96
18. Rajputana, West.	0·1	2·3	0·01	2·08	−2·07	−100
19. Rajputana, East.	0·3	5·0	0·11	4·02	−3·91	−97
20. Gujarat	1·4	6·3	0·43	5·60	−5·17	−92
21. Central India, West.	2·3	7·5	1·22	5·74	−4·52	−79
22. Central India, East.	0·4	8·2	0·27	6·94	−6·67	−96
23. Berar	1·9	8·0	0·98	5·93	−4·95	−83
24. Central Provinces, West.	2·6	9·6	1·39	8·15	−6·76	−83
25. Central Provinces, East.	5·7	10·3	4·27	8·40	−4·13	−49
26. Konkan	13·0	16·0	6·78	13·49	−6·71	−50
27. Bombay Deccan	7·4	8·6	5·03	5·94	−0·91	−15
28. Hyderabad, North.	5·6	10·5	2·99	8·24	−5·25	−64
29. Hyderabad, South.	6·1	10·3	3·47	6·80	−3·33	−49
30. Mysore	9·5	7·4	5·86	4·83	+1·03	+21
31. Malabar	9·9	15·2	6·43	10·91	−4·48	−41
32. Madras, Southeast.	6·0	6·3	4·55	4·70	−0·15	−3
33. Madras Deccan	5·9	7·6	3·79	5·34	−1·55	−29
34. Madras, Coast North.	5·7	7·4	3·62	6·84	−3·22	−47

Snowfall.

I.—AFGHANISTAN.

II.—NORTH-WEST FRONTIER PROVINCE.

III.—KASHMIR.

15. No reports have been received from these regions.

IV.—PUNJAB.

(1) *Kangra.*—Snowstorms occurred on the last three days apparently throughout Lahoul, Spiti and Kulu down to 13,000 feet and were followed by a decided fall of temperature. In Lahoul the snow line was at a much lower level than usual.

(2) *Kilba.*—Snow fell on four days on the surrounding hills. The snowline came down to 11,000 feet and at that level the total fall was estimated at 7 inches.

NAME OF PASS.	DEPTH OF ACCUMULATION AT THE END OF THE MONTH.	
	Reported.	normal.
	Ft.	Ft.
Bupin Pass	1½	4
Brúa Pass	1½	4
Harang Pass	1	*Nil*
Shatul Pass	1½	3
Buldar Pass	1½	4
Bunang Pass	1	1

All the passes were open.

V.—UNITED PROVINCES.

Almora.—There were occasional snowstorms, more especially during the second-half of the month. The total amount received during the month was estimated at about 1 foot in Malla Danpur and on the Binkaru pass, 2 feet in Byans, 3 feet in Malla Johar and about 9 feet on the Nuwe pass. The snowline descended to a distance of about half a mile from the perpetual snows.

NAME OF PASS.	DEPTH OF ACCUMULATION AT THE END OF THE MONTH.	
	Reported.	Normal.
	Ft.	Ft.
Unta Dhura	8	9
Balam Dhura	3	6
Nuwe Pass	23	20
Binkaru Pass	9	12½
Lampia Pass	3	5
Lipu Lekh Pass	2¾	4½

Weather was warmer than usual.

16. *Summary*—(*a*) Snowstorms occurred over the mountain ranges of Lahoul, Spiti and Kulu on the last three days of the month. The falls are reported as unseasonable.

(*b*) On the hills near Kilba light snow fell on four days down to 11,000 feet. The accumulation at the end of the month on the passes, all of which were open to travellers, varied from 1 to 1½ feet.

(*c*) In Almora snowstorms were of occasional occurrence, chiefly during the second-half of the month. The accumulations at the end of the month were nearly normal in depth.

Crop Report.

17. *Burma.*—Crops were in good condition in Lower Burma and in the northern districts, and on the whole fair in the dry zone though poor in places.

Eastern Bengal and Assam.—Prospects of tea were generally fair to good and harvesting of early rice and jute were nearly finished, more rain was wanted in parts of Eastern Bengal.

Bengal.—The prospects of crops were generally fair, but more rain was urgently wanted in parts. Harvesting of the rainy weather paddy and other monsoon crops was nearly completed.

United Provinces.—Rain was very urgently required in all districts. The rice crop was completely destroyed in Pilibhit, and in other districts the prospects were very poor. The ploughing for spring crops had been suspended in some districts for want of moisture.

Punjab.—Autumn crops were being harvested and ploughings for and sowings of spring crops were in progress. Crops on unirrigated lands were withering and rain was badly wanted throughout the province.

North-West Frontier Province.—Standing crops were generally in fair condition but were below average in Dera Ismail Khan, and rain was badly wanted all over the province.

Jammu and Kashmir.—Standing crops in Jammu were withering for want of rain but were in good condition in Kashmir.

Rajputana.—Crops on unirrigated lands were withering and rain was urgently wanted everywhere. Pasturage and fodder were sufficient.

Central India.—Crops were withering for want of rain and in Bundelkhand agricultural operations were stopped. Prices were high and rising everywhere.

Central Provinces.—Agricultural operations were retarded for want of rain which was urgently needed in all parts. Fodder and water were sufficient.

Bombay.—Standing crops were suffering for want of moisture and more rain was generally needed for them and for spring sowings. Fodder and drinking water were sufficient.

Hyderabad.—The standing autumn crop was withering in several talukas where more rain was urgently required; elsewhere they were in fair to good condition.

Mysore.—The standing crops were in good condition and prospects were favourable, but more rain was wanted in parts.

Coorg.—Transplanting of rice was completed and picking of cardamom was in progress.

Madras.—Standing crops were generally fair but in parts required more rain. The harvest outturn was poor to normal. The condition of cattle was on the whole good.

J. PATTERSON.

Table A.—Abstract of observations taken at 10 hrs. and 16 hrs. at 38 Stations in India, etc., in September 1907.

Table

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

Number of sub-division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure.						Temperature of air.										Temperature, Wet-bulb.			
			Mean of 10 hrs.	Mean of 16 hrs.	Mean daily range.	Mean of daily mean pressures.	Departure from normal.	Mean reduced to S. L. and gravity 45° Lat.	Mean maximum.	Mean minimum.	Mean daily range.	Highest maximum.	Lowest minimum.	Absolute range.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of three previous columns.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	I.—Burma.																					
2	Rangoon . .	36	29·837	29·727	·110	29·785	—·008	29·758	86·2	76·4	9·8	90·7	73·8	16·9	82·4	32·8	79·6	+0·5	74·9	78·0	77·6	76·8
	III.—Bengal.																					
6	Calcutta . .	21	·728	·627	·101	·679	—·013	·646	90·0	78·9	11·1	93·7	75·1	18·6	85·5	86·9	84·2	+1·6	77·0	80·3	79·9	79·1
	IV.—United Provinces of Agra and Oudh.																					
10	Allahabad . .	309	·429	·321	·108	·377	—·003	·634	95·3	77·2	18·4	100·1	66·6	33·5	88·7	94·6	85·2	+2·2	71·6	75·2	76·6	74·5
11	Dehra Dun . .	2,333	27·523	27·443	·080	27·477	—·031	·634	88·2	70·8	17·4	90·6	65·4	25·2	81·5	84·8	78·4	+2·3	66·7	72·2	73·7	70·9
	V.—Punjab.																					
12	Lahore . . .	702	29·004	28·908	·096	28·948	—·024	·598	102·0	77·0	25·0	105·7	67·2	38·5	91·3	100·5	88·5	+3·7	70·0	75·6	76·7	74·1
	VIII.—Rajputana.																					
19	Jaipur . . .	1,431	28·392	·298	·099	·340	+·036	·704	95·6	70·8	24·8	100·2	66·1	34·1	82·9	93·9	81·7	—0·7	65·0	72·0	72·1	69·8
	Udaipur . .	1,925?	27·934	27·851	·083	27·891	...	·746	88·1	68·7	19·4	95·0	64·3	30·7	82·7	86·6	77·7	...	65·0	70·8	72·2	69·3
	IX.—Bombay.																					
26	Bombay . . .	37	29·882	29·788	·094	29·833	+·042	·811	86·0	77·2	8·8	88·3	74·4	13·9	81·8	83·1	80·5	+1·1	74·7	77·3	77·1	76·4
	XI.—Central Provinces.																					
34	Buldana . .	2,132	27·761	27·647	·114	27·704	+·040	·755	86·9	69·8	17·1	93·1	65·2	27·9	79·5	85·8	76·7	+2·2	65·2	70·0	70·1	68·4
	Nagpur . . .	1,017	28·810	28·692	·118	28·755	+·057	·722	93·0	72·9	19·1	97·4	69·8	27·6	84·3	88·5	81·3	+0·9	69·3	74·5	75·2	73·0
	XII.—Hyderabad.																					
39	Hyderabad . .	1,690	·169	·058	·111	·121	+·036	·744	88·1	72·2	15·9	93·6	69·7	23·9	81·4	84·6	78·8	+1·4	69·1	72·6	73·1	71·6
	XIII.—Mysore.																					
30	Bangalore . .	3,021	26·928	26·808	·120	26·876	+·002	·771	84·2	65·4	18·8	89·3	61·2	28·1	76·9	80·6	73·0	+1·2	64·2	69·0	69·4	67·5
	Mysore . . .	2,518	27·425	27·303	·122	27·372	+·001	·794	85·8	66·3	19·5	90·7	61·7	29·0	78·7	81·3	74·3	+0·6	64·8	68·6	68·8	67·4
	XIV.—Madras.																					
33	Periyakulam . .	944	28·940	28·803	·137	28·872	...	·740	94·6	71·4	23·2	99·0	66·8	32·2	86·2	88·5	86·0	...	67·2	71·9	72·4	70·5
	Pudukkottai . .	318	29·564	29·419	·145	29·493	...	·736	97·8	76·9	20·9	101·7	72·8	28·9	88·6	93·9	87·4	...	71·2	73·9	75·0	73·4
	Madras	22	·832	·709	·123	·780	+·003	·733	95·0	77·9	17·1	100·6	73·6	28·0	88·3	88·5	85·2	+1·4	75·0	78·7	79·9	77·9
	Stations in the Bay.																					
1	Port Blair . .	61	·828	·735	·093	·784	—·002	·776	85·6	76·7	8·9	88·6	74·6	14·0	82·8	83·1	80·1	+0·4	74·5	77·8	77·6	76·6
	Kashmir.																					
14	Srinagar . .	5,204	24·843	24·746	·097	24·794	—·009	24·765	83·4	51·8	31·6	86·9	43·7	43·2	69·5	81·2	65·4	+1·4	48·6	64·9	74·4	62·6
	Leh . . .	11,503	19·730	19·611	·119	19·673	—·010	19·641	69·0	39·9	29·1	76·1	35·7	40·4	60·2	66·3	53·3	—1·4	34·0	44·7	47·0	41·9

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

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

(a) Mean of 29 days.

at 38 stations in India, etc., in September 1907.

Vapour-tension in inches of mercury.					Humidity.					Cloud.				Wind Direction.										Wind steadiness.		Wind velocity.		Rainfall.		Stations.	Number of division.
														Total number of 10 hrs. and 16 hrs. winds from.																	
From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean 10 hrs.	Mean 16 hrs.	Mean of two previous columns.	Departure from normal.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Mean wind direction.	Normal mean wind of direction month.	Average percentage.	Normal percentage.	Mean velocity in miles per diem.	Normal.	Total rainfall for the month.	Heaviest rainfall during the month.		
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
																									%	%					I.—Burma.	
·851	·906	·884	·886	—·014	93	82	79	88	— 4	7·6	7·8	7·7	—0·5	3	3	1	3	2	19	23	7	...	S29°W	S24°W	63	51	59*	84	14·87	3·59	Rangoon . .	2
																															III.—Bengal.	
·905	·965	·951	·940	—·012	91	79	73	82	— 4	6·4	7·0	6·7	—1·2	1	2	3	7	12	10	20	1	4	S1°W	S9°W	45	46	102	99	4·46	1·56	Calcutta . .	6
																															VI.—United Provinces of Agra and Oudh.	
·708	·698	·679	·712	—·169	75	52	43	61	—20	2·7	2·9	2·8	—2·7	5	3	1	2	...	...	1	29	19	N68°W	N15°W	73	13	(a) 130*	142	0·02	0·02	Allahabad . .	10
·613	·675	·696	·681	—·031	80		58	73	—10	1·3	3·5	2·4	—2·4	1	3	7	6	8	19	10	4	2	S10°E	N76°W	38	20	33	24	1·03	1·01	Dehra Dun .	11
																															V.—Punjab.	
·649	·677	·600	·658	—·065	69	46	31	52	— 9	0·3	0·3	0·3	—1·6	6	...	3	...	...	13	8	26	4	S67°W	N46°E	59	59	56*	50	0	0	Lahore . .	12
																															VIII.—Rajputana.	
·552	·607	·518	·577	—·115	74	48	33	53	—16	1·5	2·6	2·1	—2·4	...	2	...	...	...	...	5	27	26	N71°W	N42°W	87	43	140	101	0	0	Jaipur . .	19
·572	·616	·618	·616	...	82	55	49	65	...	2·5	2·9	2·7	...	1	3	...	...	1	3	19	26	7	S78°W	...	75	...	99*	...	0·08	0·07	Udaipur . .	
																															IX.—Bombay.	
·823	·884	·858	·862	—·010	88	81	75	82	— 4	6·4	4·9	5·7	—1·2	...	3	3	1	4	4	7	20	18	N79°W	N84°W	53	52	222	259	2·26	0·69	Bombay . .	28
																															XI.—Central Provinces.	
·568	·620	·543	·590	—·097	79	62	45	69	—12	4·0	5·6	4·8	—1·9	...	9	3	...	...	1	...	20	27	N52°W	N46°W.	78	64	193*	194	0·32	0·31	Buldana . .	24
·675	·738	·712	·728	—·061	83	63	54	71	— 8	3·2	5·5	4·4	—2·9	6	9	3	...	3	...	4	21	14	N62°W	N52°W	57	36	90*	127	5·14	1·43	Nagpur . .	
																															XII.—Hyderabad.	
·675	·681	·672	·695	—·060	85	65	58	72	— 9	5·5	6·4	6·0	—0·6	27	...	4	...	...	...	...	15	14	N60°W	N75°W	42	53	81*	134	1·68	0·97	Hyderabad . .	29
																															XIII.—Mysore.	
·589	·618	·591	·611	—·012	94	67	57	76	— 4	6·5	7·6	7·1	...	...	6	4	4	5	1	3	26	11	N69°W	S84°W	45	83	169*	166	6·94	2·18	Bangalore . .	30
·600	·576	·552	·588	—·042	92	59	53	71	— 6	8·0	8·3	8·2	0	...	3	2	3	4	3	13	24	8	S81°W	S89°W	53	68	296*	240	3·08	0·80	Mysore . .	
																															XIV.—Madras.	
·612	·594	·580	·595	...	80	48	44	57	...	4·2	7·3	5·8	...	5	1	3	3	7	3	27	4	7	S43°W	...	43	...	93*	...	1·93	0·59	Periyakulam .	32
·699	·643	·619	·650	...	75	48	40	54	...	5·5	7·4	6·5	...	3	6	2	1	6	5	6	8	23	N65°W	...	40	...	238*	...	0·90	0·34	Pudukkottai .	
·836	·856	·908	·878	+·030	87	65	68	75	— 2	4·7	5·6	5·2	—1·1	...	1	2	10	18	1	6	12	10	S6°E	S86°W	14	53	142	144	0·87	0·58	Madras . .	
																															Stations in the Bay.	
·823	·889	·876	·870	—·035	90	79	77	84	— 5	7·7	7·8	7·8	0	...	...	...	...	6	6	22	23	3	S57°W	S54°W	72	73	260*	228	7·89	1·20	Port Blair . .	1
																															Kashmir.	
·311	·565	·779	·552	+·024	79	77	72	76‡	— 4	0·4	3·7	1·6	—1·7	16	10	2	...	1	8	5	4	14	N67°W	N33°W	28	17	69*	79	0·03	0·03	Srinagar . .	14
·149	·166	·189	·161	—·014	59	31	24	4	— 3	1·3	2·4	1·9	—2·4	...	2	3	2	...	6	13	33	1	S75°W	S66°W	67	42	65	46	0	0	Leh .	

* Corrected.

‡ Mean of three previous columns.

Table

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

Number of sub-division.	Station.	Elevation of bar-stern above sea-level, in feet.	Pressure.						Temperature of air.										Temperature, Wet-bulb.			
			Mean of 10 hrs.	Mean of 16 hrs.	Mean daily range.	Mean of daily mean pressures.	Departure from normal.	Mean reduced to S. L. and gravity 45° Lat.	Mean maximum.	Mean minimum.	Mean daily range.	Highest maximum.	Lowest minimum.	Absolute range.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of three previous columns.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	Baluchistan.																					
16	Quetta . . .	5,502	24·612	24·537	·075	24·567	+·008	24·527	87·4	50·0	37·4	91·7	40·4	51·3	78·6	85·1	68·3	+1·2	44·4	55·3	56·9	52·2
	Hill Stations excluding Kashmir and Baluchistan.																					
	Simla . . .	7,234	23·114	23·073	·041	23·086	—·001	23·048	66·5	56·4	10·1	69·5	54·8	14·7	61·2	64·6	61·1	+0·2	53·3	56·6	58·2	56·0
	Sanain . . .	...	·153	·099	·054	·119	...	...	71·4	52·4	19·0	74·0	48·3	25·7	66·5	67·2	61·5	...	...	55·6	56·8	...
	Kalabagh . .	...	20·158	20·127	·031	20·136	...	...	52·6	42·7	9·5	59·4	38·1	21·3	48·7	49·9	47·3	...	...	43·5	45·1	...
	Chakrata . .	7,022	23·268	23·232	·036	23·244	+·004	23·204	71·1	56·9	14·2	75·1	54·2	20·9	67·4	65·6	63·6	+1·1	53·9	62·1	61·6	59·2
	Muktesar . .	7,556	22·862	22·804	0·58	22·825	...	22·783	72·0	55·5	16·5	77·7	52·9	24·8	63·4	66·9	63·4	...	53·2	56·6	60·4	57·4
	Katmandu . .	4,388	25·597	25·494	·103	25·543	+·020†	25·497	82·5	65·5	17·0	86·0	59·6	26·4	75·4	78·3	73·6	+0·4†	63·5	68·8	70·9	67·7
	Darjeeling . .	7,376	22·995	22·957	·038	22·973	—·031	22·928	66·3	55·3	11·0	71·5	51·9	19·6	62·7	64·5	60·4	+1·0	54·4	61·2	62·9	59·5
	Pachmarhi . .	3,528	(b) 26·427	26·339	·088	26·383	+·045	(b) 26·332	79·8	64·5	15·3	85·9	60·4	25·5	(b) 74·6	78·4	71·8	+0·4	(b) 61·3	66·6	68·3	65·4
	Mount Abu . .	3,945	·038	25·971	·057	·000	+·032	25·950	73·6	62·6	11·0	79·4	59·8	19·6	69·3	71·8	67·7	—1·9	58·6	63·1	64·7	61·8
	Chikalda . .	3,642	·311	26·223	·088	·267	+·037	26·211	77·9	64·9	13·0	85·3	60·6	24·7	72·8	76·1	71·0	+1·3	62·7	67·6	69·2	66·5
	Ootacamund . .	7,339	23·045	22·971	·074	23·005	...	22·940	63·8	50·6	13·0	67·8	46·0	21·8	60·5	59·2	56·9	...	49·6	55·9	56·2	53·9
	Kodaikanal . .	7,688	22·836	·761	·075	22·798	...	·733	63·6	52·0	11·6	68·5	49·4	19·1	60·6	59·3	57·8	...	49·7	56·4	56·3	54·0
	Dodabetta . .	8,539?	·040	21·971	·069	·003	...	21·940	57·9	48·2	9·7	62·0	43·4	18·6	55·3	54·2	52·7	...	...	52·1	52·1	...
	Extra India.																					
	Minicoy . . .	7	29·973	29·913	·060	29·949	...	29·882	86·6	...	...	88·7	...	...	84·2	83·1	...	...	...	77·5	76·7	...
	Zanzibar . .	72	30·097	·979	·118	30·044	+·018	30·043	82·2	73·1	9·1	85·4	70·9	14·5	77·8	81·4	77·0	0	68·5	72·7	72·4	71·2
	Diego Garcia†‡ .	...	(a) 29·976	29·894	·082	(a) 29·935	...	...	(a) 83·4	(a) 76·0	7·4	85·0	71·4	13·6	80·5	80·4	(a) 79·7	...	...	(a) 75·0	74·8	...
	Seychelles . .	15	30·035	·943	·092	29·997	+·017†	29·936	80·4	75·4	5·0	82·1	70·2	11·9	78·9	79·4	76·6	—1·1†	69·8	74·4	74·6	72·9
	Mauritius . .	181	...	...	...	·986	—·018	30·117	...	...	...	81·8	55·5	26·3	...	...	68·9	—0·7	...	...	...	62·6

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

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

(b) Mean of 25 days.

(a) Mean of 30 days.

† Observations of 9 hrs. and 15 hrs.

‡ Uncorrected.

A—*concluded.*

at 38 stations in India, etc., in September 1907—concluded.

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
																									%	%					**Baluchistan.**	
·246	·196	·171	·206	—·046	67	20	12	35	— 5	0·2	0·4	0·3	—0·2	45	4	...	...	...	...	...	5	6	N47°W	N60°W	20	40	12*	53	0	0	Quetta . .	1
																															Hill Stations excluding Kashmir and Baluchistan.	
·380	·413	·423	·407	—·027	83	76	69	78	— 2	3·8	4·1	4·0	—1·8	3	46	1	...	...	3	...	2	5	N6°W	N8°E	78	35	148*	98	0·49	0·19	Simla . . .	
...	·334	·360	...	...	...	51	54	...	...	2·1	3·0	2·6	...	9	1	1	...	2	18	19	6	4	S35°W	...	59	...	93*	...	0·22	0·10	Sarain . . .	
...	·243	·263	...	...	...	70	73	...	...	3·8	4·8	4·3	...	10	2	...	...	4	...	2	15	27	N63°W	...	62	...	260*	..	0·87	0·39	Kalabagh .	
·390	·506	·511	·471	+·002	83	75	81	82	— 4	3·4	6·3	4·9	—1·3	11	...	...	...	17	31	1	...	...	S15°E	S63°W	75	36	170*	144	0·95	0·69	Chakrata . .	
·384	·447	·461	·433	...	86	76	70	79	...	4·9	6·1	5·5	...	17	...	1	1	1	...	2	37	1	S89°W	...	62	...	204*	...	0·54	0·20	Muktesar . .	
·567	·640	·673	·629	—·004	90	73	70	80	— 1	4·2	6·2	5·2	—1·1	...	...	...	4	...	...	...	56	...	W	N87°W	87	11	12	17	4·52	1·00	Katmandu . .	
·418	·526 (b)	·559	·503	+·023	95	92 (b)	92	95	— 1	6·9 (b)	7·5	7·2	—1·1	13	1	5	.	1	2	19	7	12	S83°W	S85°E	42	39	79* (b)	89	7·67	1·47	Darjeeling . .	
·507	·564	·581	·563	—·076	83	68	61	75	—11	2·8	3·8	3·3	—3·9	3	3	6	1	...	...	6	9	27	N51°W	N60°W	62	44	141*	149	0·48	0·48	Pachmarhi§ .	
·450	·478	·533	·499	—·060	80	70	70	77	— 4	4·2	3·1	3·7	—1·8	...	...	...	...	1	2	43	10	4	S56°W	S66°W	88	40	231*	190	2·58	1·51	Mount Abu .	
·556	·617	·630	·613	—·030	89	78	72	84	— 8	4·6	4·7	4·7	—2·7	6	9	6	...	...	...	...	...	39	N30°W	N31°W	78	62	173*	242	1·43	0·37	Chikalda . .	
·343	·401	·421	·380	...	93	76	83	84	...	6·7	8·7	7·7	...	2	5	3	5	4	2	8	21	10	N81°W	...	40	...	133*	...	7·42	1·90	Ootacamund .	
·335	·406	·424	·388	...	86	77	84	82	...	6·2	8·4	7·3	...	2	6	5	5	7	8	2	6	19	N42°W	...	18	...	257	...	3·64	0·81	Kodaikanal .	
...	·359	·369	...	...	...	82	88	...	...	8·5	9·0	8·8	...	...	8	8	3	7	2	2	11	19	N33°W	...	37	...	510*	...	7·44	2·77	Dodabetta . .	
																															Extra India.	
...	·855	·838	...	...	...	73	74	...	...	4·6	6·0	5·3	...	...	5	...	...	...	...	...	13	42	N51°W	...	92	...	178*	...	1·01	0·33	Minicoy . .	
·643	·736 (a)	·677	·700	—·038	79	77 (a)	63	74	— 4	6·5 (a)	4·0	5·3	+0·5	6	2	1	5	14	18	12	1	1	S10°E	S6°E	55	62	108*	134	2·14	0·70	Zanzibar . .	
...	·794	·788	...	...	...	76	76	...	...	4·1	4·5	4·3	...	...	1	2	3	34	10	2	4	4	S.34E.	...	62	...	5	...	3·38	0·59	Diego Garcia .	
·659	·796	·800	·759	—·008	74	80	79	80	0	5·5	5·0	5·3	—0·3†	4	...	...	7	38	9	1	1	...	S41°E	S40°E	82	87	244	288	5·99	3·23	Seychelles . .	
...	...	...	·477	—·045	...	...	...	68	— 4	...	...	5·8	+0·2	...	...	...	...	...	...	...	...	...	S56°E	S72°E	...	...	229	288	0·48	0·27	Mauritius . .	

† Departures from old normals.
‡ Mean of three previous columns.
* Corrected.
§ Wind observations less 5.

Table B.—Abstract of observations taken at 8 hrs. at 237 stations in India, etc., in September, 1907.

(1) Provincial means.

(2) Data of stations.

(1) Provincial means based on the material in Table B (2) except that the statement of rainfall depends on the complete data of about 2,500 stations.

	Pressure departure from normal.	Temperature of air.								Wind.		Hygrometry.				Cloud.		Rainfall.		
		Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Absolute range during month.	Departure of velocity from normal.	Departure of steadiness from normal.	Mean humidity.	Departure from normal	Mean vapour tension.	Departure from normal.	Mean cloud amount.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.
	"	°	°	°	°	°	°	°	°					"	"			"	"	"
Burma	—·009	87·7	—0·3	75·5	+0·4	81·6	+0·1	12·2	19·0	—0·3	+3	90	+1	·886	+·003	7·1	+0·3	10·91	11·36	—0·45
Eastern Bengal and Assam.	—·025	87·8	—0·1	77·1	0	82·5	0	10·7	18·6	—0·4	+4	90	—1	·932	—·011	6·3	—0·8	13·46	12·65	+0·81
Bengal	—·011	89·9	+0·7	77·5	+0·1	83·7	+0·4	12·4	21·5	—0·4	+15	84	—2	·906	—·016	5·1	—0·7	8·33	9·29	—0·97
United Provinces of Agra and Oudh.	0	95·4	+4·3	76·0	+0·4	85·8	+2·4	19·4	30·1	+0·4	+33	66	—15	·722	—·127	1·5	—2·6	0·43	6·34	—5·91
Punjab	—·006	99·1	+2·4	76·1	+1·7	87·6	+2·1	22·9	34·4	+0·8	+29	58	—11	·656	—·074	0·4	—1·6	0·17	2·62	—2·45
North-West Frontier Province	—·030	100·6	+2·3	74·2	+1·7	87·4	+2·0	26·4	37·3	—0·8	+1	61	—5	·670	—·013	0·2	—0·7	0·49	1·23	—0·74
Sind	+·031	95·2	—1·4	75·7	—0·7	85·5	—1·1	19·5	25·9	—1·7	+16	76	+3	·792	+·008	2·6	+0·2	0·02	0·47	—0·45
Rajputana	+·038	93·4	—0·9	72·8	—3·2	83·1	—2·0	20·6	29·6	+2·4	+34	66	—4	·674	—·064	1·2	—2·4	0·08	3·50	—3·42
Bombay	+·043	87·3	+0·7	72·3	—0·8	79·8	—0·1	15·1	22·5	—0·5	—4	80	—3	·765	—·033	5·0	—0·8	3·87	7·21	—3·34
Central India	+·046	90·1	+1·7	71·8	—0·8	81·0	+0·4	18·3	28·9	—0·5	+30	71	—11	·681	—·101	4·5	—0·7	0·90	6·15	—5·25
Central Provinces	+·048	90·2	+2·5	71·7	—1·2	81·0	+0·7	18·5	28·6	—0·1	+19	72	—10	·697	—·087	3·3	—2·5	1·86	7·30	—5·44
Hyderabad	+·025	88·6	+2·3	71·8	+0·9	80·2	+1·6	16·8	25·6	—0·3	—18	72	—9	·678	—·058	4·4	—2·2	3·25	7·46	—4·21
Mysore	+·011	83·8	+1·4	65·7	—0·2	74·8	+0·6	18·1	26·8	—1·3	—12	82	—2	·628	—·001	7·1	—0·9	5·86	4·83	+1·03
Madras	+·011	92·2	+1·6	75·9	+0·6	84·0	+1·1	16·3	24·1	+0·3	—2	75	—2	·794	—·012	5·3	—0·9	4·35	5·99	—1·64

Table

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

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.
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
I.—Burma.																						
Mergui	119	29·790	—·019	29·842	29·902	20th	29·705	6th	·197	78·9	85·0	+0·6	74·0	+1·8	79·5	+1·2	11·0	90·9	28th	72·4	5th, 7th and 20th.	18·5
Tavoy	19	29·898	+·004	29·849	30·033	20th	29·801	5th	·232	76·8	84·2	+0·2	71·4	+0·7	79·3	+0·5	9·8	90·5	30th	71·8	3rd	18·7
Moulmein	94	29·785*	+·008	29·816*	29·870	24th	29·574	5th	·196	77·0	83·9	−0·9	74·2	−0·3	79·1	−0·6	9·7	89·5	24th and 30th.	71·3	3rd	18·2
Rangoon	36	29·823	—·005	29·796	29·921	20th	29·723	5th	·198	79·5	86·0	+0·3	76·3	+0·4	81·2	+0·4	9·7	90·1	25th and 28th.	73·0	1st and 9th	16·2
Bassein	27?	29·819	+·003	29·783	29·902	21st	29·724	5th	·178	78·8	86·1	+0·6	75·8	0	81·0	+0·3	10·3	90·2	15th, 26th and 28th.	72·9	20th	17·3
Diamond Island	41	29·805	—·007	29·781	29·891	24th	29·692	5th	·199	80·7	84·6	−0·2	76·7	+0·9	80·7	+0·4	7·9	86·9	25th and 29th.	74·2	4th, 6th and 8th.	12·7
Toungoo	183	29·686	+·004	29·792	29·776	21st	29·566	5th	·210	79·3	88·8	−0·2	76·9	+0·3	82·3	+0·1	12·9	93·4	24th and 28th.	73·6	1st	19·8
Kyaukpyu	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Akyab	20	29·780	—·018	29·743	29·891	24th	29·655	5th	·236	80·1	84·8	−1·8	77·9	−0·6	81·4	−1·2	6·9	87·4	8th	75·8	16th	11·6
Thayetmyo	121	29·705	—·005	29·768	29·825	21st	29·597	5th	·228	80·5	90·1	+0·2	70·3	+0·3	83·2	+0·3	13·8	93·5	28th	73·9	21st	19·6
Minbu	*165*	29·636	P	29·746	29·786	21st	29·542	5th	·224	79·9	91·5	+0·6	77·2	+0·3	84·4	+0·5	14·3	96·2	28th	75·1	21st	21·1
Yamethin	657	29·168	—·017	29·760	29·290	21st	29·064	5th	·223	78·3	90·2	−1·5	74·3	−0·5	82·3	−1·0	15·9	95·8	26th	73·1	1st, 4th and 21st.	22·7
Mandalay	250	29·558	—·016	29·757	29·674	21st	29·462	5th	·212	82·2	94·2	+1·4	78·7	+1·8	86·5	+1·6	15·5	98·5	15th and 16th.	76·3	20th and 21st.	22·2
Monywa	280	29·520	...	29·739	29·663	30th	29·424	2nd	·239	81·0	94·7	...	78·3	...	86·5	...	16·4	97·8	4th	75·6	19th	22·2
Lashio	*3,751*	27·037	—·039	26·983	27·151	20th	26·953	5th	·198	71·8	83·7	−1·1	63·3	+0·5	76·0	−0·3	15·4	89·5	8th	65·0	25th	21·5
Shamo	*881*	29·424	—·012	29·764	29·553	21st	29·339	1st	·214	76·5	87·7	−2·4	71·5	0	81·1	−1·2	13·2	91·9	8th	71·1	29th	20·8
Myitkyina	458	29·318	...	29·735	29·464	20th	29·239	5th	·225	78·6	87·9	...	75·1	...	81·5	...	12·8	92·7	20th and 23rd.	71·6	24th	21·1
II.—Eastern Bengal and Assam.																						
Dibrugarh	363	29·416	...	29·731	29·563	30th	29·288	1st	·275	76·9	83·2	...	74·1	...	78·8	...	8·8	91·4	20th	72·1	6 days	19·3
Sibsagar	333	29·404	—·036	29·755	29·607	30th	29·330	1st	·277	78·6	85·2	−2·9	70·7	+0·5	81·0	−1·2	8·5	90·6	20th and 22nd.	73·2	24th, 27th and 29th.	17·4
Tezpur	252	29·511	...	29·723	29·655	30th	29·382	1st	·273	78·5	87·7	...	70·4	...	82·1	...	11·3	92·1	2nd and 20th.	72·4	30th	19·7
Gauhati	195	29·575	...	29·726	29·720	30th	29·437	1st	·283	79·0	88·9	...	75·6	...	82·3	...	13·3	93·5	1st	72·6	30th	20·9
Dhubri	115	29·635	—·034	29·706	29·778	30th	29·502	1st	·276	78·5	85·8	+0·7	70·5	−0·5	81·2	+0·1	9·3	90·2	4 days	73·3	10th	16·9
Silchar	104	29·685	—·018	29·742	29·816	30th	29·525	1st	·291	79·5	88·0	−1·8	75·8	−0·6	81·9	−1·2	12·2	93·5	2nd	72·3	15th	21·2
Cox's Bazar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Chittagong	67	29·704	—·011	29·739	29·835	25th	29·511	1st	·324	79·9	85·9	−0·9	75·9	−0·4	80·9	−0·7	10·0	89·1	7th and 9th.	73·4	15th and 30th.	15·7
Noakhali	43	29·730	...	29·720	29·862	25th	29·531	1st	·331	80·7	85·6	...	77·5	...	81·6	...	8·1	89·3	30th	73·4	17th and 18th.	15·9
Barisal	12	29·741	—·027	29·699	29·881	25th	29·520	1st	·361	82·3	89·3	−0·2	78·2	−0·1	83·8	−0·2	10·1	92·3	19th, 29th and 30th.	75·1	17th	17·2
Comilla	36	29·739	...	29·723	29·873	25th	29·555	1st	·318	80·8	89·2	...	77·0	...	83·1	...	12·2	92·8	30th	73·8	17th	19·0
Narayanganj	26	29·731	—·020	29·705	29·863	24th and 25th.	29·534	1st	·329	82·1	89·2	+0·7	78·7	−0·2	84·0	+0·3	10·5	92·5	29th and 30th.	73·8	17th	18·7
Faridpur	46	29·707	...	29·703	29·839	25th	29·508	1st	·331	81·8	89·0	...	78·0	...	83·5	...	11·0	92·8	29th and 30th.	73·4	17th	19·4
Sirajganj	49	29·704	...	29·703	29·840	30th	29·534	1st	·306	81·3	88·5	...	78·6	...	83·6	...	9·9	91·8	29th	75·8	17th and 25th.	16·0
Mymensingh	63	29·707	—·020	29·721	29·842	30th	29·553	1st	·289	82·1	88·4	+1·3	77·9	+0·4	83·2	+0·9	10·5	92·1	29th	72·6	15th	19·5
Bogra	75	29·671	—·029	29·698	29·804	30th	29·509	1st	·295	82·7	91·0	+2·6	78·3	+0·5	84·7	+1·7	12·7	94·7	30th	75·2	18th	19·5

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

Note.—The barometric readings are not reduced to sea-level, in the cases of hill or plateau stations, the elevations of which exceed 1,200 feet.

* Mean of 29 days.

B—*continued.*

in India, etc., in September, 1907—continued.

Wind Direction.											Wind Velocity.			Wind Steadiness.		Hygrometry, 8 hrs.				Cloud.		Rainfall.									Station.
Number of winds from									Resultant direction.	Normal direction.	Mean velocity, miles per hour.	Normal.	Departure from normal.	Actual percentage.	Departure from normal.	Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Mean cloud amount at 8 hrs.	Departure from normal.	Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 30th September 1907.	Normal rainfall for period, 1st May to 30th September.	Departure from normal of period, 1st May to 30th September 1907.	Heaviest rainfall during month.	
Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.																							
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																I.—Burma.
18	2	3	...	...	3	1	2	1	N49°W	N76°W	1·3	1·6	−0·3	3	−55	92	0	·900	+·042	3·9	−3·2	22	23·40	−1·40	20·21	26·07	−7·86	130·68	139·09	−8·41	3·74	Mergui.
29	1	...	...	...	...	...	...	...	S N	S64°W	1·5	1·3	+0·2	3	− 8	95	+2	·876	+·010	6·8	−0·7	20	24·10	−4·10	27·55	31·88	−4·33	234·56	191·93	+42·63	4·06	Tavoy.
21	1	1	...	...	4	2	...	1	S24°W	S12°E	1·6	3·2	−1·6	10	−27	94	+2	·869	−·011	7·5	+0·3	19	21·90	−2·90	23·49	27·52	−5·03	217·54	169·89	+47·65	3·48	Moulmein.
...	...	1	2	1	8	12	6	...	S32°W	S50°W	4·3	3·5	+0·8	62	+14	90	−4	·909	−·006	7·8	+0·8	21	19·70	+1·30	14·87	15·84	−0·97	85·83	85·41	+0·42	3·59	Rangoon.
4	...	...	..	2	12	10	1	1	S20°W	S5°W	4·5†	4·0	+0·5	69	+32	94	+1	·928	+·006	6·9	0	18	20·80	−2·80	12·61	15·89	−3·28	110·15	98·24	+11·91	2·61	Bassein.
4	...	...	3	...	..	17	3	3	S55°W	S51°W	6·0	7·9	−1·9	56	+15	87	+1	·915	+·024	7·4	0	17	18·90	−1·90	16·74	17·33	−0·59	109·54	100·18	+9·36	2·31	Diamond Island.
7	...	...	...	17	6	...	...	...	S33°E	S32°E	2·4	3·1	−0·7	72	+17	91	0	·911	−·003	8·8	+0·6	23	17·50	+5·50	12·97	11·56	+1·41	88·15	68·56	+19·59	2·88	Toungoo.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Kyaukpyu.
1	1	4	7	8	7	1	..	1	S58°E	N87°E	3·7	3·0	+0·7	53	− 2	95	+3	·976	+·017	7·1	−0·7	22	13·80	+8·20	32·35	22·18	+10·17	199·07	173·47	+25·60	6·66	Akyab.
...	...	...	...	12	16	2	...	...	S15°E	S20°E	S 5·0	5·1	−0·1	89	+11	84	0	·879	+·003	7·2	−0·3	8	11·70	−3·70	2·94	6·07	−3·13	22·52	29·84	−7 32	1·00	Thayetmyo.
1	..	1	26	2	...	...	...	...	S14°E	S42°E	7·6	8·2	−0·6	92	+25	85	0	·876	−·005	5·7	+0·1	5	9·30	−4·30	1·91	5·46	−3·55	17·92	25·45	−7·53	0·72	Minbu.
3	...	...	...	17	10	...	...	...	S29°E	S30°E	4·8	5·5	−0·7	82	+15	87	0	·842	−·022	10·0	−6·0	7	10·30	−3·30	4·25	6·65	−2·40	26·89	28·19	−1·30	3·11	Yamethin.
3	...	1	2	8	12	3	1	...	S16°E	S3°E	6·0	4·7	+1·3	66	+11	79	−4	·867	−·026	5·3	−1·0	9	8·80	+0·20	3·03	5·62	−2·59	15·68	24·00	−8·32	0·88	Mandalay.
7	...	...	4	6	11	2	...	...	S23°W	...	2·2	...	...	62	...	84	...	·900	...	5·3	...	10	8·90	+1·10	4·89	6·31	−1·42	17·65	22·34	−4·69	1·02	Monywa.
15	...	5	5	...	2	3	...	...	S84°E	...	2·4	...	...	20	...	94	+2	·738	+·006	8·4	+0·4	16	...	...	7·71	6·92	+0·79	46·69	51·30	−4·61	1·56	Lashio.
23	...	3	..	2	...	2	...	...	S69°E	N72°W	0·9	2·0	−1·1	7	− 7	96	+6	·877	−·002	7·9	+1·3	16	11·50	+4·50	15·26	9·31	+5·95	59·16	65·05	−5·89	2·40	Bhamo.
30	...	...	.	...	...	...	...	...	(a)	..	S 8·5	...	...	...	...	93	...	·916	...	8·2	...	12	...	...	4·44	...	...	59·04	...	...	0·62	Myitkyina.
																																II.—Eastern Bengal and Assam.
26	..	1	2	...	..	1	..	..	E	...	0·2	...	...	7	...	95	...	·861	...	9·5	...	18	14·90	+3·10	17·01	14·91	+2·10	77·15	88·79	−11·64	4·20	Dibrugarh.
13	...	8	...	..	1	1	2	5	N5°W	S79°E	1·7	2·4	−0·7	23	+12	92	−3	·891	−·040	8·4	−0·3	20	14·50	+5·50	12·80	11·95	+0·85	72·36	71·32	+0·54	2·96	Sibsagar.
27	...	...	2	1	...	...	...	...	S75°E	...	2·3	...	...	10	...	92	...	·891	...	7·1	...	15	12·50	+2·50	9·75	8·58	+1·17	54·53	57·04	−2·51	2·20	Tezpur.
16	...	1	1	1	3	4	1	...	S14°W	...	1·8	...	...	20	...	91	...	·893	...	7·5	...	10	10·00	0	8·19	7·49	+0·70	53·08	49·86	+3·22	2·73	Gauhati.
2	1	5	13	2	4	1	1	1	S87°E	N82°E	5·6	4·3	+1·3	53	+31	94	+2	·909	−·002	8·1	+0·6	16	11·90	+4·10	24·11	14·61	+9·50	80·30	81·99	−1·69	7·60	Dhubri.
30	...	...	...	...	...	...	...	...	(a)	N77°E	0	2·2	−2·2	...	...	90	−1	·915	−·009	5·6	−3·1	24	15·30	+8·70	18·68	13·95	+4·73	97·79	91·87	+5·92	3·80	Silchar.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Cox's Bazar.
4	...	...	...	18	3	4	...	1	S27°E	S60°E	5·9	4·4	+1·5	66	+ 3	90	+2	·919	−·008	6·4	−0·9	13	13·06	−1·06	13·56	11·08	+2·42	53·63	79·95	−26·32	5·21	Chittagong.
3	...	...	6	13	5	3	...	...	S30°E	...	4·6	...	...	66	..	90	...	·938	...	5·5	...	15	15·48	−0·48	13·49	15·54	−2·05	92·79	94·92	−2·13	4·24	Noakhali.
6	...	...	1	3	10	9	1	...	S13°W	S27°E	2·0	2·8	−0·8	62	+36	88	0	·975	−·002	3·8	−3·4	15	14·35	+0·65	5·85	10·74	−4·89	59·15	62·26	−3·11	0·79	Barisal.
1	...	...	1	14	14	...	...	...	S25°E	...	4·3	...	...	89	...	90	...	·943	...	4·2	...	11	13·28	−2·28	8·35	11·11	−2·86	54·46	72·88	−18·42	1·90	Comilla.
...	...	...	7	7	7	8	1	...	S17°E	S15°E	4·9	5·2	−0·3	62	+14	88	0	·958	−·013	7·3	−0·5	6	11·83	−5·83	6·24	8·57	−2·33	46·85	54·97	−8·12	2·73	Narayanganj.
3	...	...	1	11	14	1	...	...	S19°E	...	3·2	...	...	79	...	89	...	·970	...	4·7	...	12	11·78	+0·22	8·34	9·09	−0·75	59·49	54·69	+4 80	2·84	Faridpur.
22	...	...	3	1	3	1	...	...	S37°E	...	3·2	...	...	17	...	90	...	·968	...	5·8	...	11	11·61	−0·61	3·02	9·08	−6·06	44·60	50·76	−6·16	0·55	Sirajganj.
4	...	1	7	9	8	1	...	...	S13°E	S63°E	2·1	2·7	−0·6	62	+12	87	−4	·943	−·024	7·3	+0·2	19	15·03	+3·97	13·43	12·83	−0·49	56·16	72·80	−16·64	2·68	Mymensingh.
25	..	1	3	...	..	1	...	..	S45°E	S49°E	1·8	3·0	−1·2	10	−46	85	−4	·932	−·030	6·7	−0·3	8	12·10	−4·10	3·03	12·11	−9·08	43·12	57·31	−14·19	0·83	Bogra.

§ Uncorrected.
† Mean of 25 days.
(a) Indeterminate.

Table

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

Number of sub-division.	Station.	Elevation of bar. cistern above sea-level in feet.	Pressure, 8 hrs. in inches.								Temperature of air.											
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	Rampur Boalia	70	29·663	...	29·682	29·793	30th	29·479	2nd	·314	82·9	90·2	...	79·0	...	84·6	...	11·2	94·1	28th and 30th.	76·1	21st	18·0
	Malda	73	29·639*	...	29·663*	29·779	30th	29·489	1st	·290	82·0	88·6	...	77·1	...	82·9	...	11·5	93·8	15th	71·8	24th	22·0
	Dinajpur	139	29·608	−·032	29·686	29·746	24th	29·468	1st	·278	80·6	88·1	−0·1	77·1	−0·4	82·6	−0·3	11·0	92·3	20th	74·0	13th and 21st.	18·3
	Rangpur	123	29·636	...	29·714	29·775	24th	29·498	1st	·287	81·0	88·2	...	77·7	...	83·0	...	10·5	92·6	20th	74·6	26th and 27th.	18·0
	Jalpaiguri	264	29·473	−·020	29·713	29·605	24th	29·336	1st	·269	78·5	86·8	−0·4	76·1	+0·8	81·5	+0·2	10·7	91·4	20th	73·1	17th	18·3
	Cooch Behar	156	29·666†	...	29·779†	29·762	30th	29·467	1st	·295	79·2	87·3	...	76·0	...	81·7	...	11·3	92·3	20th	73·6	24th	18·7
	III.—Bengal.																						
6	Sangor Island	25	29·710	−·013	29·679	29·849	25th	29·526	1st	·323	83·3	89·1	+0·9	80·2	+0·5	84·7	+0·7	8·9	93·5	19th	76·0	21st	17·5
	Midnapore	149	29·582	...	29·678	29·714	25th	29·384	2nd	·330	82·2	91·2	...	78·3	...	84·8	...	12·9	97·3	30th	74·7	1st	22·6
	Calcutta	21	29·717	−·017	29·684	29·855	25th	29·480	1st	·375	82·5	90·0	+2·4	78·9	+0·9	84·5	+1·7	11·1	93·6	17th, 19th and 29th.	75·2	20th	18·4
	Jessore	33	29·715	−·018	29·694	29·853	25th	29·478	1st	·375	83·0	89·8	+0·4	78·5	0	84·2	+0·2	11·3	93·5	19th, 29th and 30th.	74·7	17th	18·8
	Krishnagar	47	29·683	...	29·678	29·813	20th	29·475	2nd	·338	82·3	91·5	...	78·7	...	85·1	...	12·8	95·1	29th and 30th.	75·5	15th	19·6
	Burdwan	99	29·636	−·026	29·683	29·767	25th	29·411	2nd	·356	82·2	91·0	+1·3	79·3	+0·4	85·2	+0·9	11·7	96·4	17th	75·8	21st	20·6
	Bankura	313	29·406	...	29·670	29·534	30th	29·226	1st	·308	81·3	90·8	...	77·6	...	84·2	...	13·2	96·1	29th and 30th.	74·2	21st, 28th and 29th.	21·9
	Raniganj	334	29·403	...	29·691	29·538	30th	29·227	1st and 2nd	·311	80·0	89·9	...	77·2	...	83·6	...	12·7	93·5	27th, 29th and 30th.	73·0	28th, 29th and 30th.	20·5
	Berhampore	67	29·662	−·031	29·679	29·792	30th	29·460	2nd	·332	82·5	90·9	+2·0	78·7	+0·2	84·8	+1·1	12·2	94·3	15th, 29th and 30th.	75·7	20th	18·6
	Maya Damka	499	29·242*	...	29·688*	29·367	25th	29·059	2nd	·309	81·3	89·7	...	76·6	...	83·1	...	13·1	94·4	29th	72·0	28th	22·4
7	Balasore	50	29·696	−·010	29·690	29·826	25th	29·518	5th	·308	82·2	89·4	+0·5	76·8	+1·0	84·1	+0·8	10·6	94·4	19th and 30th.	75·3	1st	19·1
	False Point	21	29·738	+·013	29·700	29·865	25th	29·553	5th	·312	82·3	88·7	+0·8	77·8	−0·3	83·3	+0·3	10·9	94·1	19th	74·1	1st	20·0
	Cuttack	90	29·678	+·017	29·702	29·797	24th	29·506	5th	·291	81·4	90·2	0	77·7	−0·4	84·0	−0·2	12·5	95·4	29th and 30th.	75·2	1st	20·2
	Puri	24	29·749	...	29·712	29·866	30th	29·574	5th	·292	83·2	89·3	...	79·9	...	84·6	...	9·4	93·6	19th	76·1	4th	17·5
	Angul	455	29·301	...	29·716	29·414	30th	29·134	5th	·280	80·1	89·1	...	75·8	...	82·5	...	13·3	94·6	29th	73·0	18th	21·6
	Sambalpur	486	29·287	+·013	29·723	29·401	30th	29·141	5th	·260	81·1	89·0	−0·3	77·0	−0·3	83·2	−0·3	12·0	94·1	29th	74·1	9th	20·0
8	Chaibassa	760	29·011	?	29·701	29·134	30th	28·863	1st	·271	78·2	90·4	+0·5	75·6	−0·5	83·1	0	14·8	97·4	16th	72·2	30th	25·2
	Ranchi	2,128	27·639	+·010	29·713	27·765	30th	27·480	1st	·285	76·5	85·2	+0·8	72·6	+0·9	79·0	+0·9	12·6	90·7	27th	67·4	30th	23·3
	Purulia	816	28·905	...	29·673	29·035	30th	28·744	1st	·291	78·0	90·0	..	75·7	...	82·9	...	14·3	96·0	30th	71·1	30th	24·9
	Hazaribagh	1,993	27·745	−·002	29·699	27·968	30th	27·607	1st	·361	77·6	85·3	+0·6	72·5	+0·3	78·9	+0·5	12·8	90·7	28th	69·3	21st	21·4
	Daltonganj	730	29·003	...	29·693	29·130	30th	28·858	5th	·272	78·4	91·6	...	74·8	...	83·2	...	16·8	98·0	28th and 29th.	65·5	30th	32·5
9	Purnea	123	29·602	−·030	29·683	29·733	25th	29·461	1st	·272	80·6	89·1	+0·2	77·2	−0·2	83·2	0	11·9	92·7	15th	74·2	23rd	18·5
	Bhagalpur	160	29·566	...	29·678	29·691	21st	29·416	1st	·275	83·1	90·2	...	77·5	...	83·9	...	12·7	94·2	15th	72·8	30th	21·4
	Monghyr	155	29·559*	...	29·665*	29·686	30th	29·407	1st	·279	82·0	88·8	...	77·9	...	83·4	...	10·9	92·9	11th and 27th.	73·9	30th	19·0
	Darbhanga	165	29·557	−·028	29·681	29·693	25th	29·419	1st	·279	80·8	89·3	+1·0	77·7	−1·1	83·5	−0·1	11·6	93·6	14th and 15th.	75·3	5 days	18·3
	Pusa	166	29·558	...	...	29·691	25th	29·420	1st	·271	81·1	89·0	...	77·1	...	83·1	...	11·9	93·5	10th and 14th.	73·5	28th	20·0
	Muzaffarpur	178	29·552	...	29·685	29·684	25th	29·406	5th	·276	81·8	89·6	...	77·8	...	83·7	...	11·8	93·7	10th and 14th.	73·0	28th	20·7
	Motihari	224	29·502*	...	29·686*	29·639	21st	29·354	9th	·285	80·3	90·8	...	77·3	...	84·1	...	13·6	93·9	28th	74·3	6th	19·6

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

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

* Mean of 29 days.

† Mean of 15 days.

B—*continued.*

in India, etc., in September, 1907—continued.

Wind Direction.										Wind Velocity.			Wind Steadiness.		Hygrometry, 8 hrs.				Cloud.		Rainfall.									Station.
Number of winds from																													
Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Mean velocity in miles per hour.	Normal.	Departure from normal.	Actual percentage.	Departure from normal.	Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Mean cloud amount at 8 hrs.	Departure from	Number of 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 1907.	Normal rainfall for period, 1st May to 30th September.	Departure from normal of period, 1st May to 30th September 1907.	Heaviest rainfall during month.	
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
18	...	...	...	3	6	...	...	...	S13°W	...	4·5	...	...	30	...	84	...	·961	...	4·6	...	11	12·36	−1·36	3·51	10·38	−6·87	30·80	48·61	−17·81	0·50	Rampur Boalia.
1	...	5	5	7	7	5	...	...	S40°E	...	S 5·5	...	...	53	...	90	...	·993	...	4·6	...	12	11·45	+0·55	12·93	10·86	+2·07	45·48	45·94	−0·46	6·66	Malda.
2	...	4	11	5	4	2	1	1	S69°E	S76°E	3·3	3·6	−0·3	49	− 3	92	+2	·962	+·019	7·4	+0·6	15	12·56	+2·44	11·98	14·00	−2·02	58·72	64·01	−5·29	3·40	Dinajpur.
21	...	...	4	...	2	...	3	...	S27°E	...	1·6	...	...	7	...	88	...	·916	...	4·2	...	17	13·55	+3·45	18·64	14·16	+4·48	69·19	73·51	−4·32	3·94	Rangpur.
15	...	6	6	3	...	...	...	...	N81°E	N73°E	2·5	...	...	40	−20	92	+1	·905	+·002	6·0	−1·0	20	14·75	+5·25	27·68	20·03	+7·65	113·26	113·18	+0·18	6·92	Jalpaiguri.
12	1	3	11	1	...	2	...	...	N85°E	...	1·3	...	...	40	...	90	...	·897	...	8·3	...	20	14·34	+5·66	46·81	21·62	+26·99	173·67	115·23	+58·44	6·21	Cooch Behar.
																																III.—Bengal.
...	2	3	4	1	5	7	3	5	S57°W	S2°W	S 12·5	11·0	+1·5	20	− 9	86	−2	·979	−·035	6·5	−1·7	14	13·29	+0·71	11·31	11·30	+0·01	56·90	58·04	−1·14	2·65	Saugor Island.
4	4	1	2	1	15	2	...	1	S5°E	...	2·7	...	...	40	...	82	...	·894	...	3·6	...	9	12·13	−3·13	7·35	9·39	−2·04	49·67	50·66	−0·79	2·75	Midnapore.
5	...	1	4	6	5	5	2	2	S10°E	S13°E	S 4·3	4·1	+0·2	37	+ 4	73	−14	·967	+·010	7·0	+0·3	7	13·38	−6·38	4·49	8·91	−4·42	46·69	50·59	−3·90	1·56	Calcutta.
19	...	1	1	5	4	...	...	...	S38°E	S32°E	0·9	3·2	−2·3	30	− 7	89	− 1	·994	−·007	6·6	−0·5	11	11·94	−0·94	6·38	8·28	−1·90	51·91	51·35	+0·56	1·68	Jessore.
5	...	...	3	7	9	2	3	1	S11°E	...	1·9	...	...	49	...	90	...	·963	...	5·3	...	11	10·45	+0·55	5·83	7·97	−2·14	36·17	45·01	−8·84	1·35	Krishnagar.
7	1	2	2	1	5	6	5	1	S41°W	S18°E	1·7	3·0	−1·3	30	+ 8	87	+2	·952	+·022	6·5	−0·5	11	12·10	−1·10	6·61	8·59	−1·98	37·93	48·59	−10·66	2·36	Burdwan.
24	...	1	1	...	2	...	1	1	S	...	2·6	...	...	2	...	84	...	·889	...	4·7	...	10	12·53	−2·53	14·62	8·77	+6·05	47·98	47·51	+0·47	4·87	Bankura.
30	..	...	...	...	...	...	...	...	(a)	...	0·4	...	...	...	...	91	...	·937	...	5·2	...	11	11·61	−0·61	8·57	7·60	+0·97	41·87	48·46	−6·59	3·05	Baniganj.
1	1	3	2	3	13	7	...	...	S4°E	S19°E	3·7	3·7	0	56	+18	87	−3	·966	−·010	6·0	−1·4	8	13·43	−4·43	4·33	9·72	−5·39	33·78	48·89	−14·11	3·02	Berhampore.
27	...	...	1	1	...	...	...	1	E	...	1·4	...	...	3	...	89	...	·893	...	4·3	...	14	13·30	+0·70	10·71	10·01	+0·70	38·93	51·12	−12·19	3·53	Naya Dumka.
7	2	1	...	...	2	11	2	5	S74°W	S59°W	2·7	3·5	−0·8	46	+24	84	−4	·921	−·053	5·9	−1·1	11	13·87	−2·87	7·07	12·08	−5·01	34·59	52·39	−17·80	1·42	Balasore.
2	...	...	...	...	1	8	10	9	S89°W	S58°W	6·2	8·5	−2·3	73	+36	85	0	·930	−·030	5·9	−1·2	6	12·90	−6·90	2·89	11·11	−8·22	47·29	50·21	−2·92	0·91	False Point.
10	2	...	1	...	1	5	6	5	N85°W	S81°W	S 1·5	2·4	−0·9	40	+10	83	+1	·889	−·005	5·7	−0·3	12	13·00	−1·00	8·21	9·97	−1·76	60·97	49·69	+11·28	2·00	Cuttack.
1	10	1	...	...	4	7	3	4	N63°W	...	8·8	...	...	37	...	81	...	·935	...	5·3	...	7	12·18	−5·18	3·58	10·07	−6·49	27·20	43·04	−15·84	0·93	Puri.
2	2	1	...	1	1	..	10	13	N61°W	...	6·3	...	...	49	...	95	...	·871	...	3·6	...	9	...	...	5·91	...	...	40·32	...	...	2·14	Angul.
...	...	...	1	1	2	21	5	...	S46°W	S	4·6	3·9	+0·7	79	+57	82	0	·881	−·007	5·9	−0·1	8	11·80	−3·80	5·67	8·76	−3·09	62·17	62·18	−0·01	1·86	Sambalpur.
9	...	2	...	...	1	16	2	...	S47°W	S53°W	2·6	1·4	+1·2	53	+30	89	+ 4	·849	−·037	4·7	−1·1	10	12·00	−2·00	9·47	7·36	+2·11	41·91	44·32	−2·39	3·57	Chaibassa.
3	1	2	...	...	...	4	10	10	N70°W	S79°W	9·0	6·9	+2·1	62	+40	76	− 7	·701	−·049	4·8	−0·9	5	13·66	−8·66	5·79	9·01	−3·22	52·97	49·53	+4·44	1·98	Ranchi.
4	2	2	...	1	2	3	16	...	S86°W	...	2·8	...	...	53	...	92	...	·892	...	5·7	...	10	11·61	−1·61	13·94	8·14	+5·80	49·90	45·66	+4·24	7·62	Purulia.
3	1	3	...	...	..	3	9	11	N63°W	S27°W	7·1	7·4	−0·3	62	+36	75	− 9	·698	−·007	5·2	−1·5	9	11·97	−2·97	10·17	8·88	+1·29	55·04	47·33	+7·71	4·11	Hazaribagh.
24	...	...	1	1	...	3	1	..	S18°W	...	2·6	...	...	10	...	82	...	·803	...	3·6	...	6	10·48	−4·48	5·20	7·54	−2·34	60·53	39·30	+21·23	2·51	Daltonganj.
11	...	7	7	3	...	1	..	1	N77°E	N88°E	2·1	3·0	−0·9	43	+ 5	94	+ 4	·976	+·022	6·5	+0·5	8	11·40	−3·40	6·21	14·82	−8·61	48·17	58·57	−10·40	2·21	Purnea.
15	1	2	1	4	3	2	1	1	S27°E	...	2·0	...	...	17	...	83	...	·979	...	4·7	...	10	9·39	+0·61	14·86	8·43	+6·38	45·92	43·03	+2·89	5·90	Bhagalpur.
4	3	1	8	3	...	3	7	1	N79°E	...	3·6	...	...	3	...	84	...	·924	...	5·0	...	13	...	...	14·20	...	...	47·06	...	...	6·30	Monghyr.
10	3	7	6	...	...	2	1	1	N47°E	S76°E	2·0	3·8	−1·8	33	−17	90	+ 4	·947	+·006	5·0	−0·1	12	9·27	+2·73	11·01	8·70	+2·31	35·16	45·38	−10·22	3·40	Darbhanga.
21	..	5	1	...	2	...	...	1	N63°E	...	...	...	...	13	...	89	...	·947	...	5·8	...	11	...	...	14·80	...	...	35·63	...	...	7·37	Pusa.
9	...	2	8	6	...	2	2	1	S68°E	...	S 2·6	...	...	37	...	87	...	·951	...	2·9	...	7	8·94	−1·94	5·99	8·17	−2·19	29·92	40·36	−10·44	3·27	Muzaffarpur.
9	2	5	8	2	1	...	2	1	N68°E	...	1·9	...	...	37	...	91	...	·952	...	4·6	...	6	8·97	−2·97	3·04	9·62	−6·58	35·13	45·89	−10·76	1·31	Motihari.

S Uncorrected.
(a) Indeterminate.

Table

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

Number of sub-division	Station.	Elevation of bar. cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.											
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean 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
	Chapra	181	29·537	...	29·672	29·664	21st	29·396	1st	·268	82·2	92·6	...	78·5	...	85·5	...	14·1	97·4	30th	74·6	30th	22·8
	Patna	183	29·536	−·027	29·672	29·666	25th	29·397	1st	·269	83·3	90·5	+0·6	79·1	0	84·8	+0·3	11·4	96·0	29th	75·2	28th	20·8
	Arrah	190	29·538*	...	29·692*	29·667	21st	29·404	5th	·263	81·9	91·1	...	77·9	...	84·5	...	13·2	96·9	28th & 29th.	71·7	30th	25·2
	Buxar	339	29·479	...	29·674	29·607	21st	29·355	1st	·252	82·1	92·1	...	77·9	...	85·0	...	14·2	99·5	29th & 30th.	71·6	30th	27·9
	Dehri	361	29·368	...	29·673	29·491	30th	29·236	5th	·255	82·7	90·9	...	78·1	...	84·5	...	12·8	98·3	29th	74·0	6th and 30th.	24·3
	Gaya	375	29·348	−·013	29·677	29·467	30th	29·224	5th	·243	81·9	91·0	0	77·9	+0·1	84·5	+0·1	13·1	98·4	13th	74·2	2nd	24·2
	IV.—United Provinces of Agra and Oudh.																						
10	Gorakhpur	257	29·456	−·019	29·673	29·602	21st	29·326	1st	·276	83·0	92·5	+2·0	76·9	−0·6	84·7	+0·6	15·6	97·1	21st and 28th.	71·0	29th	26·1
	Benares	267	29·458	−·006	29·679	29·576	21st	29·324	5th	·252	83·5	93·6	+2·6	76·9	−0·5	85·3	+1·1	16·7	98·1	28th	71·1	28th	27·0
	Allahabad	309	29·415	−·007	29·679	29·525	30th	29·291	5th	·234	83·0	95·3	+3·8	77·2	+0·3	86·3	+2·1	18·1	99·6	28th, 29th and 30th.	66·5	30th	33·1
	Cawnpore	416	29·319	+·009	29·695	29·626	21st	29·194	5th	·232	82·3	96·6	+4·2	76·1	−0·5	86·4	+1·9	20·5	99·9	28th	69·7	29th and 30th.	30·2
	Lucknow	368	29·358	−·004	29·685	29·497	21st	29·218	5th	·269	83·7	97·6	+5·5	77·3	+0·8	87·5	+3·2	20·3	102·0	28th	67·6	30th	34·4
	Bahraich	401	29·304	−·022	29·664	29·451	21st	29·170	1st	·281	83·6	96·9	+5·9	77·4	+1·2	87·2	+3·6	19·5	100·6	21st	69·0	30th	31·6
11	Jhansi	858	28·945	+·032	29·740	29·043	20th	28·814	5th	·229	83·1	96·9	+5·2	76·9	+1·1	86·9	+3·2	20·0	102·8	25th	72·6	26th	30·2
	Agra	550	29·195	+·025	29·711	29·508	19th	29·059	5th	·249	83·4	98·1	+5·0	76·9	+0·2	87·5	+2·6	21·2	102·5	23rd	72·5	30th & 31st.	30·0
	Mainpuri	516	29·223	+·019	29·695	29·537	19th	29·066	5th	·251	83·6	99·1	+6·0	76·7	+0·8	87·9	+3·4	22·4	102·3	23rd	70·8	29th	31·5
	Bareilly	569	29·138	−·013	29·671	29·262	21st	29·000	1st	·262	81·3	95·4	+4·9	76·3	+0·5	85·9	+3·7	19·1	98·3	21st & 28th.	70·0	29th	28·3
	Meerut	738	28·966	+·003	29·688	29·114	19th	28·849	1st	·265	81·5	96·7	+4·9	75·5	+0·9	86·1	+2·9	21·2	99·6	24th	68·3	27th	31·3
	Roorkee	699	28·819	−·009	29·686	28·954	19th	28·672	1st	·282	80·3	93·8	+2·5	73·5	+0·3	83·7	+1·4	20·3	96·5	21st, 28th & 29th.	63·4	30th	33·1
	Dehra Dun	2,338	27·811	−·020	29·689	27·644	20th	27·376	1st	·268	75·9	88·1	+3·8	70·8	+0·9	79·5	+2·3	17·3	90·5	28th and 29th.	65·5	30th	25·0
	V.—Punjab.																						
12	Delhi	718	29·024	+·019	29·705	29·154	20th	28·884	1st	·270	82·8	98·7	+5·7	76·7	+1·7	88·7	+3·7	20·0	101·7	24th	73·7	29th	29·0
	Sirsa	663	29·088‡	+·018‡	29·718‡	29·214	20th	28·932	2nd	·282	82·2	98·5	−0·4	75·9	+0·2	87·2	−0·1	22·6	102·3	23rd and 24th.	71·1	29th	31·2
	Patiala	818	28·875	...	29·559	29·019	20th	28·748	1st	·271	81·9	95·4	...	74·8	...	84·9	...	21·1	99·0	24th	67·9	27th	31·1
	Ambala	892	28·818	−·009	29·676	28·945	20th	28·667	5th	·278	81·3	95·0	+1·3	74·8	+0·9	84·9	+1·1	20·2	99·0	24th	65·0	30th	34·0
	Ludhiana	812	28·907	−·001	29·689	29·051	20th	28·758	1st	·293	81·1	97·0	+2·1	76·6	+1·8	86·8	+2·0	20·4	101·5	24th	70·5	30th	31·0
	Lahore	702	28·966	−·019	29·657	29·139	20th	28·840	1st	·299	83·1	101·9	+3·0	77·0	+4·4	89·5	+3·7	24·9	105·9	24th	67·2	29th	38·7
	Sialkot	890	28·861	−·019	29·666	29·019	20th	28·705	1st	·313	83·7	98·9	+3·2	75·5	+1·7	87·2	+2·5	23·4	102·7	25th	67·6	30th	35·1
	Rawalpindi	1,074	28·032	−·036	29·667	28·196	20th	27·891	1st	·305	83·2	99·7	+6·1	73·1	+3·3	86·9	+4·7	27·6	103·9	17th & 25th.	66·1	30th	36·8
13	Khushab	812	29·084	−·004	29·664	29·248	20th	28·940	1st	·308	86·4	103·4	+2·8	78·2	+3·4	90·3	+2·6	24·2	106·9	24th	69·4	30th	37·5
	Montgomery	558	29·144	+·002	29·668	29·303	20th	29·002	1st	·301	84·9	101·6	−0·2	76·5*	+0·4*	89·0*	+0·1	25·1	106·3	24th	67·0	29th	39·3
	Multan	430	29·262	−·010	29·645	29·447	20th	29·118	1st	·334	86·6	100·7	+0·4	77·8	+0·3	89·3	+0·3	23·9	105·3	24th	71·0	29th	34·3

N. B.—Elevations in italics indicate barometrical determinations.
NOTE.—The barometric readings are not reduced to sea-level, in the cases of hill or plateau stations, the elevations of which exceed 2,200 feet.
* Mean of 29 days.
‡ Mean of 23 days.

B.—*continued.*

stations in India, etc., in September, 1907.—continued.

Wind direction.											Wind velocity.			Wind steadiness.		Hygrometry, 8 hrs.				Cloud.		Rainfall.									Heaviest rainfall during month.	Station.
Number of winds from																															
Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Mean velocity, 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 1907.	Normal rainfall for period, 1st May to 30th September.	Departure from normal of period, 1st May to 30th Septr. 1907.		
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
7	4	1	3	6	7	1	...	1	S45°E	...	2·2	...	...	33	...	87	...	·957	...	3·2	...	6	8·35	−2·35	6·31	7·22	−0·91	34·49	35·99	−1·50	4·16	Chupra.
5	6	3	2	...	5	2	5	2	N50°W	S74°E	3·1	3·9	−0·8	17	−13	81	− 2	·911	−·019	5·1	−0·7	8	9·29	−1·29	9·88	6·93	+2·95	32·75	42·64	−9·89	3·24	Patna.
6	2	3	2	1	3	6	5	2	S72°W	...	2·1	...	...	23	...	82	...	·899	...	2·4	...	6	9·29	−3·29	6·57	8·23	−1·66	30·84	40·50	−9·66	3·67	Arrah.
...	1	2	6	1	...	7	12	1	S73°W	...	6·3	...	...	33	...	76	...	·940	...	4·4	...	5	9·03	−4·03	3·01	6·93	−3·92	21·56	36·26	−14·70	1·64	Buxar.
7	1	...	3	1	1	8	9	..	S61°W	...	3·3	...	...	43	...	74	...	·834	...	5·8	...	5	8·94	−3·94	6·47	6·46	+0·01	38·41	38·37	+0·04	4·45	Dehri.
9	1	1	...	...	2	2	14	1	S86°W	S37°W	3·2	3·8	−0·6	49	+16	80	− 2	·867	−·019	4·3	−1·5	8	9·13	−1·13	6·94	6·98	−0·04	54·09	42·24	+11·85	4·09	Gaya.
																																IV.—United Provinces of Agra and Oudh.
15	...	2	2	2	2	5	2	2	S16°W	N63°E	1·1 (8)	2·0	−0·9	10	−16	76	− 8	·853	−·052	3·2	−1·3	4	8·60	−4·60	2·86	8·08	−5·22	21·93	45·50	−23·57	1·11	Gorakhpur.
5	1	...	2	3	...	4	12	3	S83°W	S31°W	3·2	3·8	−0·6	43	+32	72	−12	·827	−·062	2·8	−2·4	4	8·40	−4·40	1·35	6·03	−4·68	29·32	36·40	−7·08	0·64	Benares.
2	...	1	1	...	...	1	21	4	N83°W	N63°W	5·0*	5·9	−0·9	76	+61	64	−16	·730	−·159	3·0	−2·5	0	7·40	−7·40	0·02	5·16	−5·14	22·81	36·05	−13·24	0·03	Allahabad.
6	...	...	...	1	...	1	18	4	N86°W	S45°W	3·3	3·6	−0·3	69	+61	60	−20	·667	−·208	1·0	−3·0	1	6·70	−5·70	0·33	5·14	−4·81	21·34	32·46	−11·12	0·33	Cawnpore.
10	2	...	3	...	...	2	10	3	N75°W	S83°E	2·9	2·8	+0·1	37	+30	63	−18	·714	−·163	1·0	−3·9	0	8·10	−8·10	0·04	5·39	−5·35	13·37	35·47	−22·10	0·04	Lucknow.
6	...	...	5	2	2	1	8	6	N89°W	S68°E	2·6	3·2	−0·6	22	−19	68	−14	·792	−·113	1·9	−2·1	1	7·40	−6·40	1·22	6·58	−5·36	15·26	43·72	−28·46	1·22	Bahraich.
1	...	...	...	...	...	10	14	5	S82°W	N1°E	6·1	3·3	+2·8	82	+47	73	P	·816	P	1·8	−1·2	0	6·80	−6·80	0	5·89	−5·89	20·62	36·09	−15·47	0	Jhansi.
4	...	...	...	...	...	23	..	3	S52°W	S59°W	6·0T	4·5	+1·5	72	+50	55	−19	·626	−·131	0·3	−3·2	0	4·80	−4·80	0	4·23	−4·23	19·70	26·43	−6·73	0	Agra.
...	3	1	...	...	...	2	11	13	N61°W	S86°W	3·2	1·5	+1·7	76	+57	61T	−17	·713T	−·120	1·1	−3·1	0	6·70	−6·70	0	3·74	−3·74	12·43	27·78	−15·35	0	Mainpuri.
8	6	1	1	1	1	...	6	6	N41°W	S56°E	2·5	2·3	+0·2	40	+14	64	−18	·694	−·152	0·7	−3·1	0	6·73	−6·73	0	7·01	−7·01	21·97	43·63	−21·66	0	Bareilly.
6	...	...	...	...	...	8	13	3	S81°W	S56°W	2·6	1·8	+0·8	69	+62	56	−20	·611	−·158	1·0	−2·0	0	5·00	−5·00	0	5·30	−5·30	5·50	28·04	−22·54	0	Meerut.
14	...	...	...	4	...	...	1	11	N50°W	S58°E	2·9	1·9	+1·0	27	+12	67	−14	·695	−·100	0·1	−3·5	0	5·70	−5·70	0	6·04	−6·04	17·44	37·87	−20·43	0	Roorkee.
30	..	...	...	...	..	...	...	...	(a)	S5°W	1·4 (8)	1·0	+0·4	...	...	74	− 9	·664	−·033	1·9	−2·9	1	10·20	−9·20	1·03	9·74	−8·71	33·84	80·95	−47·11	1·01	Dehra Dun.
																																V.—Punjab.
...	2	...	...	...	...	1	22	5	N80°W	S85°W	6·3	3·5	+2·8	86	+57	58	−11	·645	−·100	1·0	−2·2	0	4·10	−4·10	0	3·61	−3·61	7·69	24·74	−17·05	0	Delhi.
...	..	1	...	...	1	15	12	1	S66°W	S59°W	6·5	4·9	+1·6	82	+60	57	− 7	·629	−·094	0	−2·1	0	3·20	−3·20	0	1·74	−1·74	13·25	12·25	+1·00	0	Sirsa.
1	2	...	...	...	...	2	18	7	N76°W	...	5·0	...	...	82	...	60	...	·663	...	0·2	...	0	...	...	0	...	...	18·51	...	. ...	0	Patiala.
9	...	...	...	1	...	...	6	14	N59°W	S39°W	2·8	1·5	+1·3	56	+27	62	−20	·669	−·133	0·3	−2·4	0	3·90	−3·90	0·04	4·24	−4·20	16·70	26·94	−10·24	0·04	Ambala.
6	..	...	..	1	1	9	4	9	S83°W	S20°E	1·7	1·4	+0·3	53	+41	64	−11	·687	−·067	0·7	−2·4	2	3·40	−1·40	0·85	3·61	−2·76	22·02	22·86	−0·84	0·73	Ludhiana.
8	...	...	1	...	3	1	15	2	S82°W	S34°E	2·4	2·1	+0·3	53	+38	57	−10	·658	−·076	0·2	−1·2	0	2·30	−2·30	0	1·99	−1·99	9·24	16·16	−6·92	0	Lahore.
9	2	4	10	3	1	1	...	...	N86°E	N73°E	1·4	1·8	−0·4	46	+ 5	61	− 9	·697	−·043	0·7	−1·5	0	3·30	−3·30	0·02	2·83	−2·81	15·04	24·64	−9·60	0·02	Sialkot.
22	1	6	1	...	...	...	...	...	N45°E	N56°E	2·3	1·5	+0·8	27	+12	51	−21	·569	−·096	0·3	−1·6	0	4·20	−4·20	0·01	3·23	−3·22	14·50	23·94	−9·44	0·01	Rawalpindi.
11	1	4	3	3	5	1	1	1	S59°E	N65°E	2·6	5·4	−2·8	23	−33	54	− 6	·678	−·001	0·3	−0·8	0	1·60	−1·60	0	0·54	−0·54	6·08	10·29	−4·21	0	Khushab.
...	...	...	...	...	8	22	...	...	S33°W	S4°W	9·7	6·9	+2·8	89	+45	51	− 8	·607	−·095	0·1	−1·1	0	1·30	−1·30	0	0·97	−0·97	12·22	7·75	+4·47	0	Montgomery
2	..	...	...	5	4	19	...	...	S26°W	S5°W	3·5	2·6	+0·9	76	+35	62	− 3	·717	−·032	0·1	−0·5	0	0·70	−0·70	9	0·32	−0·32	6·57	5·67	+0·90	0	Multan.

* Mean of 29 days.
(8) Uncorrected.
T Mean of 28 days.

Table

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

Number of sub-division.	Station.	Elevation of bar. cistern above sea-level, in feet.	Pressure, 8 hrs, in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean 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.—North-West Frontier Province.																						
15	Peshawar	1,110	28·591	—·041	29·682	28·771	19th	28·428	1st	·343	80·4	99·2	+3·2	71·9	+1·8	85·6	+2·5	27·3	103·2	24th	63·9	28th	39·3
	Dera Ismail Khan	590	29·101	—·019	29 639	29·279	19th	28·946	1st	·333	83·8	101·9	+1·4	76·4	+1·5	89 2	+1·5	25·5	105·3	24th	70·1	30th	35·2
	VII.—Sind.																						
17	Jacobabad	186	29·535	+·020	29·684	29 690	20th	29·353	1st	·332	80·9	102·3	—1·2	75·1	—0·9	88·7	—1·1	27·2	105·1	23rd	69·3	28th	35·8
	Hyderabad	96	29·661	+·028	29·711	29 816	20th	29·480	5th	·336	80·5	95·3	—1·7	75·3	—0·9	85·6	—1·3	20·5	100·1	22nd & 30th	73·5	25th	27·6
	Kurrachee	30	29·796	+·046	29 777	29·931	20th	29·626	5th	·305	80·1	87·4	—1·4	76·7	—0·2	82·1	—0·8	10·7	89·4	21st	75·2	26th	14·2
	VIII.—Rajputana.																						
18	Bikaner	771	28·992	+·031	29·735	29·131	20th	28 856	5th	·275	81·2	96·9	—1·6	76·2	—3·0	86·5	—2·3	20·7	102·1	23rd	73·5	28th	28·6
	Jodhpur	782	29·038	...	29·808	29·154	20th	28·892	5th	·262	78·0	93·4	...	71·7	...	82·6	...	21·7	100·1	23rd	68·3	22nd & 24th	31·8
	Pachpadra	380	29·394	+·017	29·765	29·501	20th	29·261	5th	·240	77·3	94·2	—3·0	70·4	—4·8	82·3	—3·9	23·5	100·3	23rd	66·4	22nd	33·9
19	Jaipur	1,431	28·382	+·039	29·779	29·495	20th	28·246	5th	·249	79·6	95·4	+1·2	70·8	—2·8	83·1	—0·8	24·6	100·2	22nd, 23rd and 26th.	66·1	28th	34·1
	Sambhar	1,254	29·549	+·050	29·772	29·662	20th	29·114	5th	·248	79·4	93·7	0	73·1	—2·0	83·4	—1·0	20·6	96·9	25th	69·5	22nd	27·4
	Ajmer	1,611	28·220	+·053	29·796	29·333	20th	28·090	5th	·243	79·2	91·6	+0·8	75·4	P	83·5	P	16·2	95·9	26th	71·2	29th	24·7
	Kotah	819?	28·966	...	29 785	29·062	20th	28·834	5th	·228	82·3	94·0	...	76·2	...	85·1	...	17·8	100·0	26th	74·1	11th	25·9
	Udaipur	1,925	27·923	...	29·803	28·029	20th	27·799	5th	·230	77·7	87·7	...	68·6	...	78·2	...	19·1	95·0	23rd and 29th	64·3	11th and 19th	30·7
	IX.—Bombay.																						
20	Deesa	466	29·385	+·050	29 810	29·497	20th	29·241	5th	·256	77·9	93·1	—0 7	71·8	—2·1	82·0	—1·4	20·3	98·8	22nd	69·4	17th and 18th.	29·4
	Bhuj	395	29·457	+·050	29·808	29·572	20th	29·294	5th	278	77·7	89·9	—2·2	72 5	—2 1	81·2	—3·2	17·4	93·6	21st, 22nd and 27th.	69·5	27th	25·1
	Jamnagar	61	29·799	...	29·805	29·909	25th	29·657	5th	·252	83·8	86·0	...	72·5	...	79·0	...	13·5	89·0	10th	70·8	25th	18·2
	Dwarka	37?	29·840	...	29·823	29·950	20th	29·700	5th	·250	80·5	85·2	...	77·0	...	81·1	...	8·2	87·2	19th	74·2	27th and 29th	13·0
	Rajkot	429	29 454	+·070	29·836	29·551	25th	29·315	5th	·236	79 1	92·3	+0·9	70·4	—2·0	81·4	—0·6	21·9	95·4	30th	68·0	9th	27·4
	Veraval	18	29·874	+·052	29·834	29·958	24th	29·764	5th	·194	79 9	83·5	—0·3	76·2	—0·1	79·9	—0·2	7·3	86·7	22nd	72·8	4 days.	13·9
	Bhavnagar Para	55	29·835	P	29·834	29·911	25th	29·705	5th	·206	80·9	94·7	+1·6	73·6	P	84·1	P	21·1	99·6	30th	71·5	10th and 13th	28·1
	Surat	39	29·852	+·052	29·836	29 926	20th	29·741	5th	·185	80 3	89·2	+0·7	75·1	—0·4	82·2	+0·2	14·1	96·6	29th	70·6	10th	26·0
	Ahmedabad	163	29·707	+·043	29·819	29·806	24th	29·588	5th	·218	79·2	91·7	—0·4	74·6	—1·6	83·2	—1·0	17·1	99·1	24th	72·2	6th	26·9
26	Bombay	37	29·873	+·039	29·850	29·339	20th	29·798	5th	·141	79·5	86·0	+1·5	77·3	+0·8	81·7	+1·2	8·7	88·5	29th	74·5	9th	14·0
	Ratnagiri	110	29·801	+·038	29·851	29 838	14th	29·746	28th	·092	78·6	83·8	—0·4	74·1	—0·3	79·0	—0·4	9·7	85·8	20th	72·4	11th, 14th and 27th.	13·4
	Goa	199	29·695	P	29·834	29·747	14th	29·619	28th	·128	77 9	51·8	—0·8	74·8	—0·7	78·3	—0·8	7·0	84·0	29nd	73·0	6 days	11·0
	Mormugao	60	29·867	+·022	29·862	29·915	14th	29·789	28th	·126	77·5	81·5	—2 0	74·6	—0·5	78·1	—1·3	6·9	84·0	14th	72·4	8th and 11th	11·6
	Karwar	44	29·865	+·004	29·843	29·936	13th	29·816	29th	·090	77·2	82·6	—0·1	74·1	+0·2	78·4	+0·1	8·5	85·3	30th	72·5	7th, 11th and 13th	12·8
27	Malegaon	1,430	28·471	+·077	29·843	29·541	24th	28·368	5th	·173	77·9	91·7	+3·8	68·4	—1·8	80·1	+1·0	23·3	96·9	28th	64·6	13th	32·3

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

B.—*continued.*

stations in India, etc., in September, 1907—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 1907.	Normal rainfall for period, 1st May to 30th Septr.	Departure from normal of period, 1st May to 30th Septr. 1907.	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.—North-West Frontier Province.
23	2	3	...	...	...	...	1	1	N6°E	N34°W	1·3	2·3	−1·5	16	−14	56	− 7	·588	−·045	0·2	−0·9	0	1·40	−1·40	0	0·52	−0 52	3·04	5·59	−2·55	0	Peshawar.
9	3	9	2	7	...	...	...	...	N72°E	N67°E	1·71	1·8	−0·1	46	+16	65	− 3	·751	+·020	0·2	−0·4	0	1·00	−1·00	0	0·28	−0·28	5·45	5·28	+0·17	0	Dera Ismail Khan.
																																VII.—Sind.
4	...	...	...	9	17	...	...	...	S15°E	S48°E	4·5	2·9	+1·6	79	+31	81	+12	·858	+·075	0	−0·6	0	0·50	−0·50	0	0·07	−0·07	3·29	2·67	+0·62	0	Jacobabad.
2	...	...	...	...	6	19	3	...	S40°W	S39°W	8·8	13·6	−4·8	79	+ 5	69	+ 1	·714	−·003	0·9	−0·7	0	0·80	−0·80	0	0·41	−0·41	4·81	6·07	−1·26	0	Hyderabad
...	...	...	...	...	...	...	21	9	N77°W	S7°W	12·7	14·6	−1·9	92	+11	77	− 4	·804	−·047	6·8	+1·8	0	0·60	−0·60	0	0·51	−0·51	5·63	6·65	−1·02	0	Kurrachee.
																																VIII.—Rajputana.
...	...	...	...	...	3	16	11	...	S58°W	S46°W	9·9	6·8	+3·1	86	+26	71	+ 8	·737	−·002	0·2	−2·2	0	1·90	−1·90	0	0·94	−0·94	18·64	10·03	+8·61	0	Bikaner.
...	...	...	...	...	3	21	6	...	S49°W	...	5·6	...	...	89	...	70	...	·669	...	2·5	...	0	2·50	−2·50	0	1·75	−1·75	10·27	12·26	−1·99	0	Jodhpur.
1	...	...	...	...	9	14	5	1	S53°W	...	11·8	7·5	+4·3	76	...	74	− 2	·778	−·033	0	−3·5	0	2·50	−2·50	0	2·11	−2·11	18·26	12·42	+5·84	0	Pachpadra.
...	4	...	...	...	...	...	8	18	N50°W	N69°W	S 5·9	4·2	+1·7	89	+49	60	−13	·606	−·116	0·8	−2·8	0	4·90	−4·90	0	3·56	−3·56	14·17	24·26	−10·09	0	Jaipur.
1	2	...	...	...	...	...	19	8	N73°W	N86°W	S 6·0	6·8	−0·8	86	+38	64	− 4	·644	−·085	0·3	−2·6	0	3·80	−3·80	0	2·80	−2·80	16·05	19·14	− 3·09	0	Sambhar.
1	...	...	...	...	...	2	23	4	N87°W	S89°W	9·3	5·6	+3·7	89	+22	68	− 7	·682	−·052	2·3	−0·8	0	4·10	−4·10	0	2·33	−2·33	11·70	20 09	− 8·39	0	Ajmer.
1	2	1	...	1	...	10	6	9	N86°W	...	4·1	...	...	59	...	58	...	·653	...	1·5	...	1	5·10	−4·10	0·21	5·16	−4·95	15·39	28·61	−13·22	0·10	Kotah.
8	...	...	...	..	2	5	12	3	N75°W	...	4·2	...	...	59	...	65	..	·620	...	1·9	...	0	6·10	−6·10	0·08	...	...	16·33	...	...	0·07	Udaipur.
																																IX.—Bombay.
1	2	...	...	...	2	11	7	7	S82°W	S79°W	S 8·7	8·3	+0·4	66	+ 7	80	+ 4	·762	−·016	4·5	−0·5	2	3·73	−1·73	1·08	3·98	−2·90	52·19	23·33	+28 86	0·81	Deesa.
...	..	...	...	...	1	12	12	5	S75°W	N87°W	11·3	12·2	−0·9	82	+ 4	88	+13	·828	?	4·1	−0·3	0	2·00	−2·00	0·17	1·68	−1·51	14·55	13·71	+0·84	0·09	Bhuj.
1	...	...	...	...	..	17	6	6	S71°W	...	10·0	...	...	76	...	75	...	·787	...	0·3	...	0	...	...	0·04	...	...	21·38	...	...	0·04	Jamnagar.
2	...	...	...	..	4	11	9	4	S66°W	...	S 12·3	...	...	73	...	81	...	·853	...	3·7	...	0	...	...	0·20	...	...	16·54	...	...	0·06	Dwarka.
...	1	..	...	..	1	19	3	6	S66°W	N87°W	9·8	9·1	+0·7	76	+ 2	76	− 6	·742	−·069	4·9	+0·1	0	5·10	−5·10	0	3·96	−3·96	18·25	27·13	−8·88	0	Rajkot.
2	5	...	...	..	..	4	12	7	N71°W	N86°W	12·1	7 9	+4·2	69	+14	93	− 3	·840	−·012	3·1	−2·6	0	4·60	−4·60	0·03	1·99	−1·96	17·49	16·78	+0 ·71	0·03	Veraval.
..	1	...	...	...	..	16	2	11	S83°W	S63°W	S 7·9	10·8	−2·9	69	− 4	70	−12	·778	−·078	3·9	−1·8	0	7·80	−7·80	0	4·43	−4·43	13·89	18·70	−4·81	0	Bhavnagar Para.
1	10	1	1	..	3	4	7	3	N56°W	S78°W	5·5	6·9	−1·4	40	−12	79	− 4	·828	−·033	3·9	−1·8	0	7·00	−7·00	0·20	7·01	−6·81	38·75	41·73	−2·98	0·05	Surat.
...	1	..	...	...	2	11	3	13	N89°W	N68°W	S 5·7	3·9	+1·8	66	+ 9	76	− 2	·749	−·065	4·8	−1·0	2	5·80	−3·80	0·45	4·77	−4·32	33·00	31·79	+1·21	0·29	Ahmedabad.
...	2	5	3	5	1	3	6	5	N31°W	S56°W	S 9·3	10·8	−1·5	10	− 5	85	− 2	·836	−·014	6·3	−1·0	6	14 00	−8·00	2·26	11·75	−9·49	99·78	72·21	+27·57	0·63	Bombay.
10	8	3	3	2	..	...	2	2	N17°E	S73°W	9·0	6·8	+2·2	33	+26	86	− 1	·831	−·028	6·4	−0·1	13	15·60	−2·60	4·12	12·52	−8·40	80·48	102·14	−21·66	0·67	Ratnagiri.
3	7	6	5	1	...	1	1	6	N16°E	N10°E	...	5·6	...	49	+39	88	− 1	·837	−·033	8·6	+1·2	15	...	...	6·81	S 8 37	−1·56	89·92	91·24	−1·32	1·10	Goa.
13	6	1	2	1	..	1	1	5	N12°W	N54°W	S 7·3	7·4	+0·2	30	−23	92	+ 1	·874	−·011	7·8	+2·0	17	...	...	5·80	8·34	−2·54	84·64	85·01	−0·37	0 94	Mormugao.
19	..	..	...	...	...	2	9	...	S82°W	N36°W	S 1·4	2·9	−1·5	33	− 1	90	0	·842	+·019	7·7	+1·6	14	15·10	−1·10	6·01	12·76	−6 72	94·80	113·71	−18·91	1·25	Karwar.
21	...	..	..	..	..	1	6	2	N85°W	N37°W	8·1	9·1	−	27	−43	67	−10	·648	−·061	1·3	−4·3	3	7 80	−4·80	2·36	6·90	−4·54	21·81	20·62	+1·19	1·04	Malegaon

* Mean of 29 days.

S Uncorrected.

I Mean of 27 days.

TABLE

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

Number of Meteorological.	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
	IX.—Bombay —*concld.*																						
	Ahmednagar	2,154	27·758	+·055	29·868	27·809	19th and 30th.	27·680	5th	·129	74·8	88·4	+3·2	66·7	−1·3	77·6	+1·0	21·7	94·9	16th	60·0	4th	34·9
	Poona	1,946	28·052	+·035	29·866	28·105	20th	27·960	5th	·145	73·7	85·5	+1·0	66·6	−2·0	76·1	−0·5	18·9	92·0	21st and 22nd.	63·8	4 days	28·2
	Sholapur	1,590	28·290	+·029	29·841	28 335	20th	28·229	5th	·106	76·2	91·1	+2 7	70·9	+0·5	81·0	+1·6	20·2	96·8	21st	66·4	1st	30·4
	Bijapur	*1,948*	27·944	+·029	29·651	27·987	20th	27·693	5th	·094	74·4	89·6	+3·7	69·2	−0·4	79·4	+1·7	20·4	96·2	22nd	65·2	1st	31·0
	Belgaum	2,539	27·364	+·025	29·861	27·406	13th, 14th and 22nd	27·308	5th	·098	69 9	79·5	+0·6	64·7	−0·6	72·1	0	14·8	84·3	21st and 22nd	61·1	10th and 14th.	23·2
	X.—Central India.																						
21	Neemuch	1,624	28·215	+·051	29 808	28·314	20th	28·094	5th	·220	76·8	89·7	+0·8	69·8	−1·1	79·8	−0·2	19·9	97·0	28th	66·7	18th	30·3
	Indore	1,823	28·047	+·074	29·838	28·117	19th	27·950	5th	·167	75·1	86·4	+1·0	68·2	−1·9	77·3	−0·5	18·2	94·1	26th, 27th and 28th.	66·1	24th	28·0
22	Nowgong	757	29·020	+·035	29·736	29·109	19th	28·895	5th	·214	79·6	92·5	+2·1	74 3	−0 7	83·4	+0·7	18·2	97·0	26th	69·5	20th and 30th	27·5
	Sutna	1,040	28·717	+·022	29·722	28·813	30th	28·590	5th	·223	80·3	91·8	+2·9	75·0	+0·4	83·4	+1·7	16·8	96·0	30th	66·2	30th	29·8
	XI.—Central Provinces.																						
23	Akola	930	28·916	+·046	29·804	28·979	19th	28 834	5th	·145	79·2	93·5	+4·4	72·6	−0·1	83 1	+2·2	20·9	100·7	29th	68·1	19th	32·6
	Amraoti	1,215	28·626	+·057	29·800	28·698	19th	28·535	5th	·163	78·6	99·0	+3·6	71·9	−0·2	82'0	+1·7	20'1	98·3	30th	67·3	4th	31·0
24	Khandwa	1,044	28·808	+·059	29·819	28·877	19th	28·717	5th	·160	77·8	91·1	+3·0	72·8	−0·4	82·0	+1·3	18·3	99·7	29th	68·7	19th	31·0
	Hoshangabad	1,006	28·830	+·054	29·807	28·904	19th	28·739	10th	·165	76·4	89·1	+1·0	70·4	−2·9	79·8	−1·0	18·7	95·1	27th	66 9	24th	28·2
	Saugor	1,807	28·008	+·046	29·776	28·084	19th and 20th	27·889	5th	·195	77·0	88·9	+2·3	71·3	−0·2	80·1	+1·1	17·6	96·1	30th	67·5	18th	28·6
	Jubbulpore	1,327	28·480	+·054	29·775	29·560	19th	28·358	5th	·202	77·0	90·3	+3·9	71·4	−1·4	80·9	+0·8	18·9	95·0	27th	65·8	29th	29·2
	Seoni	2,033	27·791	+·047	29·773	27·873	30th	27·684	5th	·189	77 2	89·0	+3·4	68·5	−2·1	78·9	+0·7	20·5	95·3	26th and 27th.	64·0	24th	31·3
	Nagpur	1,017	28·860	+·053	29·780	28·873	20th	28·701	5th	·172	78·7	91·8	+2·5	72·8	−1·0	82·3	+0·8	19·0	97·6	28th	69·6	25th	28·0
25	Pendra	2,123?	27·756	...	29·732	27·864	30th	27·635	5th	·229	77·8	87·2	...	71·1	...	79·2	...	16·1	90 8	29th	64·7	30th	26·1
	Raipur	970	28·812	+·031	29·737	28·908	30th	28·675	5th	·233	78·3	88·4	+0·2	71·7	−3·1	80·2	−1·5	16 7	93·7	28th	67·9	9th	25·8
	Chanda	534	29·180	+·033	29 761	29·241	20th	29·085	9th	·156	80·2	90·4	+1·3	74·0	−0·5	82·3	+0·4	16·4	94·5	30th	71·5	4th	23·0
	XII.—Hydera-bad.																						
26	Aurangabad	1,905	27 989	...	29·848	28·054	30th	27·927	5th	·127	77·3	89·9	...	68·1	...	79·0	...	21·8	96·7	28th	63·7	4th	33·0
	Nizamabad	1,360	28·591	...	29·809	28·645	19th	28·519	10th	·126	76·5	88·5	...	73 0	...	80·8	...	15·5	91·9	29th and 30th.	70·2	11th and 18th	21·7
	Bidar	*2,165*	27·734?	...	29·850?	27·801	19th	27·664	9th	·137	75·4	85·3	...	70·3	...	77·8	...	15·0	89·8	22nd	66·4	1st	23·4
29	Gulbarga	1,506	28·362	?	29·822	28·402	20th	28·310	5th and 9th	·092	76·9	90·2	+2·7	71·4	+0·5	80 9	+1·6	18·8	97·0	22nd	66·8	1st	30·2
	Raichur	*1,811*	28·561	+·026	29·829	28·609	21st	28·512	5th	·097	77·5	90 8	+3·1	73·0	+0·8	81·9	+2·0	17·8	95·1	19th, 21st and 22nd.	69·1	1st	26·0
	Hyderabad (Deccan)	1,699	28·164	+·024	29·808	28·215	19th	28·067	9th	·148	76·5	87·8	+1·1	72·3	+1·5	80·1	+1·3	15·5	93·3	29th and 30th	69·7	18th and 19th	23·6
	Hanumkonda	871	28·950	...	29·771	29·010	20th	28·851	9th	·159	79·2	87·8	...	74·5	...	81·2	...	13 3	93 0	30th	71·7	10th and 18th	21·3
	XIII.—Mysore.																						
30	Chitaldroog	2,405	27·506	+·011	29·864	27·555	14th	27·439	29th	·116	71·8	83·2	−0·3	67·2	−0·3	75·3	−0·3	16·0	88·1	22nd	64·9	10th and 30th	23·2
	Hassan	3,149	26·874	+·015	29·894	26·910	18th	26·833	29th	·077	69·9	83 0	+2·2	63·9	−0·3	73·0	+1·0	18·1	85·4	20th	58·9	14th	26·5
	Bangalore	3,021	26·926	+·006	29·873	26·971	18th	26·885	29th	·086	70·7	84·2	+2·3	65·3	0	74·8	+1·2	15·9	89·3	16th	61·3	10th	28·0
	Mysore	2·518	27·427	+·011	29·891	27·471	18th	27·378	29th	·093	72·5	85·7	+1·2	66·3	−0·1	76·0	+0·6	19 4	90·5	20th	63·0	10th	28·5

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

B—*contd.*

stations in India, etc., in September, 1907—contd.

Wind Direction. Number of winds from										Wind velocity.			Wind Steadiness.		Hygrometry, 8 hrs.				Cloud.		Rainfall.								Heaviest rainfall during month.	Station.
Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Mean velocity, miles per hour.	Normal.	Departure from normal.	Actual percentage.	Departure from normal.	Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury	Departure from normal in inches of mercury.	Mean cloud amount at 8 hrs.	Departure from normal.	Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 30th September 1907.	Normal rainfall for period, 1st May to 30th September.	Departure from normal of period, 1st May to 30th September 1907.		
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																IX.—Bombay —contd.
1	5	2	..	..	..	2	2	18	N40°W	N70°W	9·2	12·5	−3·3	76	−13	71	−11	·612	−·073	4·2	−1·7	2	9·80	−7·80	2·63	6·98	−4·35	16·79	18·13	−1·34	1·91	Ahmednagar.
23	..	..	..	..	..	..	..	7	..	W	8·7	11·1	−2·4	23	−47	77	− 4	·650	−·029	5·4	−1·8	9	8·10	+0 90	6·81	5·00	+1·81	39·14	21·42	+17·72	1·27	Poona.
..	1	..	..	..	..	..	..	28	N45°W	N68°W	10·3	8·4	+1·9	96	+2 9	74	− 4	·663	−·012	5·9	−1·4	5	9·50	−4·50	2·72	8·77	−6·05	31·84	24·41	−2·57	0·99	Sholapur.
..	4	1	..	..	..	1	9	15	N53°W	N67°W	10 0	7·3	+2·7	82	+ 7	77	− 7	·654	−·046	4·9	−2·4	10	9·70	+0·30	4·66	7 61	−2·95	9·30	17·44	−8·14	0·98	Bijapur.
20	..	2	1	..	..	1	6	..	N81°W	N81°W	7·4	15·7	−8·3	13	−57	89	0	·655	−·002	8·2	+0·7	15	9·10	+5·90	10·52	4·83	+5·99	52·77	39·89	12·88	2·34	Belgaum.
																																X—Central India.
1	4	1	..	..	..	9	12	3	N89°W	N89°W	7·8	8·8	−1·0	66	+11	69	− 9	·628	−·113	3·0	−0·4	0	6·50	−6·50	0·05	5·11	−5·06	18·71	28·69	−8·98	0 05	Neemuch.
..	8	2	..	..	..	1	10	9	N46°W	N60°W	4·5	4·1	+0·4	72	+20	73	−13	·649	−·099	4·9	−1·4	3	8·80	−5·80	1·22	7 68	−6·46	27·19	31·18	−3·99	0·49	Indore.
2	..	..	..	..	1	3	19	5	N84°W	N89°W	2·5	2·3	+0·2	62	+43	69	−12	·701	−·120	3·5	−1·4	0	7·00	−7·00	0·01	5·24	−5·23	28·76	41·43	−12·67	0·01	Nowgong.
1	..	..	..	..	..	10	15	4	S81°W	N69°W	4·5	6·1	−1·6	82	+44	72	− 8	·746	−·071	6·5	+0·6	1	8·70	−7·70	1·13	6·10	−4·98	28·90	40·55	−11·65	1·04	Sutna.
																																XI—Central Provinces.
..	..	..	..	1	2	1	13	13	N76°W	N69°W	6·7	6·5	+0·2	76	+ 2	66	−16	·654	−·107	3·5	−2·3	3	8·40	−5·40	1·14	6·52	−5·38	19·34	29·00	−9 66	0·53	Akola.
..	2	1	..	1	..	5	15	6	N83°W	S88°W	4·9	5·3	−0·4	69	+10	69	−16	·671	−·107	3·1	−2·9	5	7·30	−2·30	1·90	6·26	−4·36	23·79	30·03	−6·24	0·74	Amraoti.
1	..	..	..	..	..	..	3	23	N50°W	N79°W	6·9	6·4	+0·5	89	+11	73	− 9	·699	−·057	3·4	−1·8	2	7·70	−5·70	0·32	6·58	−6·26	15·70	28·68	−12·98	0·17	Khandwa.
10	..	..	..	..	..	6	8	6	W	S51°W	2·3	2·6	−0·3	55	+ 7	80	− 7	·746	−·068	4·7	−1·4	1	10·50	−9·50	1·21	9·66	−8·45	37·07	48·49	−11·42	1·19	Hoshangabad.
..	1	1	..	..	..	4	17	7	N81°W	S80°W	6·3	4·4	+1·9	79	+35	65	−18	·593	−·170	3·3	−2·2	1	9·70	−8·70	0·27	7·31	−7·04	34·49	44 84	−10·35	0·22	Saugor.
..	..	..	..	4	1	5	13	7	S83°W	S66°W	3·1	3·0	+0·1	62	+29	74	−10	·687	−·111	1·8	−3·7	1	9·80	−8·80	0·69	7·90	−7·21	29·30	54 58	−25·28	0·58	Jubbulpore.
10	3	4	..	..	..	2	3	8	N36°W	N53°W	3·3	3·9	−0·6	40	+10	66	−18	·615	−·153	3·8	−0·7	4	11·90	−7·90	0 65	9·51	−8·86	33·25	49·72	−16·47	0·18	Seoni.
2	7	..	..	1	2	12	6		N63°W	N72°W	3·8	5·3	−1·5	66	+33	74	− 6	·723	−·069	3·4	−3·0	7	10·30	−3·30	5·14	9·04	−3·90	42·92	44·00	−1·18	1·43	Nagpur.
12	..	..	..	..	..	2	16		N50°W	...	6·5	...	...	56	...	70	...	·665	...	3·2	...	3	...	...	1·79	...	...	33·95	...	...	1·17	Pendra.
8	..	..	..	..	11	9	2		S71°W	S63°W	6·0	5·9	+0·1	62	+28	84	0	·821	−·017	1·6	−4·9	7	10·60	−3·60	7·30	7·39	−0 09	45·65	46·12	−0·47	2·18	Raipur.
9	..	..	.	1	1	1	10	8	N78°W	N79°W	3·2	4·0	−0·8	53	+29	77	− 3	·797	−·013	4·4	−1·7	5	11·30	−6·30	2·90	9·48	−6·58	40·41	49·88	−9·47	1·29	Chanda.
																																XII—Hyderabad.
..	8	1	1	..	..	..	15	5	N54°W	...	11·1 S	...	...	66	...	66	...	·610	...	2·7	...	3	9·60	−6·60	0·48	6·76	−6·28	16·86	24·23	−7·37	0·21	Aurangabad.
10	2	..	..	..	..	3	5	10	N63°W	...	3·9	...	...	49	...	77	...	·746	...	4·8	...	6	10·30	−4·30	5·53	9·50	−3·97	26·67	36·32	−9·65	2·30	Nizamabad
..	3	4	1	2	..	5	10	5	N72°W	...	1·9	...	...	43	...	75	...	·657	...	4·7	...	9	11·90	−2·90	4·28	9·21	−4·93	27·35	33·14	−5·79	1·20	Bidar.
2	9	2	1	..	..	..	5	11	N29°W	N54°W	12·2=	10·8	+1·4	69	+11	69	−11	·633	−·078	2·4	−4·4	7	11·20	−4·20	3·37	9·33	−5·96	30·75	26·26	+4·47	1·40	Gulbarga.
4	6	2	..	..	..	10	2	6	N69°W	S89°W	8·3	9·7	−1·4	43	−26	71	− 9	·678	−·047	5·9	−0·8	5	9·80	−4·80	1·31	8·44	−7·13	17·99	24·33	−6·34	0·35	Raichur.
22	..	..	..	..	..	..	3	5	N61°W	N83°W	3·3	5·6	−2·3	37	−40	75	− 8	·684	−·050	5·1	−1·4	4	...	...	1·68	6·04	−4·36	17·92	25·74	−7·82	0·97	Hyderabad (Deccan).
4	2	..	..	4	1	2	3	14	N60°W	...	6·2	...	...	43	...	74	...	·740	...	5·5	...	7	10·30	−3·30	7·95	...	...	33·54	...	...	2·86	Hanumkonda.
																																XIII.—Mysore.
3	1	1	1	..	..	3	11	10	N70°W	S80°W	6·4	8·8	−2·4	62	−24	81	−1	·638	−·005	5·9	−2·2	12	6·90	+5·10	7·40	4·71	+2·69	16·17	17·72	−1·55	2·04	Chitaldroog.
9	..	2	..	..	..	..	2	10	7	N 72°W	N 79°W	1·9	3·5	−1·6	53	−23	87	+5	·636	+·031	8·2	0	10	7·40	+2·60	3·32	4·68	−1·36	23·20	22·08	+1·12	0·63	Hassan.
..	1	..	1	1	2	4	16	5	S 87°W	S 82°W	7·1	7·0	+0·1	69	−12	82	−4	·622	−·010	7·0	−0·9	10	9·60	+0·40	6·94	6·23	+0·71	22·28	23·92	−0·54	2·18	Bangalore.
..	1	..	..	..	1	13	13	2	S 72°W	S 74°W	8·7	10·0	−1·3	83	+11	76	−7	·617	−·018	7·1	−0·4	7	7·70	−0·70	3·08	5·60	−2·52	12·31	18·03	−5·72	0·50	Mysore.

* Mean of 29 days.
S Uncorrected.
= Mean of 16 days.

Table

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

Number of sub-division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	XIV.—Madras.																						
31	Mangalore	65	29·870	+·004	29·868	29·913	12th	29·790	29th	·123	77·8	82·1	−1·2	73 9	−0·2	78·0	−0·7	8·2	83·7	21st, 29th & 30th	71·9	5 days	11·8
	Calicut	37	29·906	−·001	29·862	29·953	12th	29·831	29th	·122	77·6	84·3	0	74·3	−0·1	79·4	−0·1	10·0	86·4	4 days	72·1	6th, 7th and 15th	14·3
	Cochin	9	29·939	+·008	29·876	29·965	3rd and 11th	29·877	29th	·088	78·2	85·5	+0·9	74·2	−0·3	79·9	+0·3	11·3	88·3	22nd	72·7	5th, 6th and 11th	15·6
	Trivandrum	198	29·741	+·011	29·672	29·776	24th	29·691	18th and 29th	·082	77·2	82·7	−0·2	75·1	+2·0	78·9	+0·9	7·6	85·5	17th	74·0	7 days	11·5
32	Tinnevelly	168	29·775	+·008	29·821	29·769	21st	29·698	9th	·071	85·8	97·8	0	78·1	−0·5	88·0	−0·3	19·7	101·3	14th and 16th	73·9	28th	27·4
	Pamban	37	29·852	+·005	29·816	29·890	21st	29 811	29th	·079	83 6	91·4	+2·4	79·5	+1·2	85·4	+1·8	11·9	95·3	15th	75·7	26th	19·6
	Madura	447	29·449	P	29·832	29·485	21st	29·418	5th	·067	81·7	96·7	+1·4	76·0	+0·7	86·4	+1·1	20·7	100·4	13th and 14th	72·6	19th	27·8
	Periyakulam	944	28·945	...	29·830	28·979	21st	28·910	5th	·069	79·4	94·6	...	71·4	...	81·3	...	23·2	90·0	14th	66·8	7th	32·2
	Pudukkottai	318	29·571	...	29·801	29·611	21st	29·533	5th	·078	82·4	97 6	...	76·9	...	87·3	...	20·7	101·7	9th, 10th & 15th	72·8	30th	28·9
	Negapatam	31	29·837	−·003	29·797	29·897	24th	29·789	5th	·108	81·3	94·6	+2·1	75·8	?	85·3	?	18·8	99·9	11th	71·0	18th	28·9
	Trichinopoly	255	29·632	+·011	29·820	29·673	24th	29·595	5th	·088	81·7	96·1	+0·6	75·8	+0·1	86·0	+0·4	20·3	101·1	15th	72·3	18th	28·8
	Coimbatore	1,348	28·548	+ 007	29·855	28·578	13th&21st	28·521	29th	·057	74·9	89·8	+0·2	70·8	+0·1	80·3	+0·2	19·0	94·9	20th	68·3	6th	26·6
	Salem	940	28·971	+·003	29·856	29·004	13th	28·939	29th	·065	79·0	95·3	+4·0	73·8	+1·9	84·6	+3·0	21·5	101·7	16th	69·9	29th	31·8
	Cuddalore	37	29·829	−·015	29·796	29·875	24th	29 779	5th	·096	82·0	93·1	+1·2	76·2	+0·5	84·7	+0·9	16·9	99·1	13th	71·2	1st	27·9
	Vellore	707	29·172	...	29·823	29·209	20th	29·128	9th	·081	79·8	93·4*	...	74·7*	...	84·0†	...	18·7	99·7	12th	71·2	18:h	28·5
	Madras	22	29·836	+·009	29·783	29·919	24th	29·764	5th	·155	83·7	95·1	+2·1	78·1	+1·1	86·5	+1·6	17·0	100·5	11th	72·5	1st	28·0
33	Cuddapah	433	29·436	+·013	29·808	29·474	13th	29·388	10th	·086	82·5	96·8	+4·3	77·3	+1·5	87·1	+2·9	19·5	103·2	22nd	73·6	22nd	29·6
	Bellary	1,475	29·405	+·020	29·840	29·455	14th	29·362	5th	·093	76·3	92·4	+1·8	72·7	0	82·6	+0·9	19·7	93·0	22nd	68·8	4th	29·2
	Kurnool	923	29·932	+·012	29·804	29·970	14th and 20th	29·894	10th	·086	78·8	92·9	+3·7	74·5	+1·4	83·7	+2·6	18·4	93·2	16th	69·6	24th	28·6
34	Nellore	52	29 789	+·038	29·783	29·850	24th	29·715	5th	·135	84·4	97·1	+2·5	78·5	+0·8	87·8	+1·7	18·6	100·3	22nd	74·6	24th	25·7
	Masulipatam	15	29·821	+·035	29·771	29·889	20th	29·725	5th	·164	83·7	92·7	+2·0	78·2	+0·8	85·5	+1·4	14·5	96·6	1st and 8th	74·6	9th	22·0
	Cocanada	26	29·782	+·020	29·745	29·873	20th	29·666	9th	·207	82·9	92·4	+3·2	79·0	+0·9	85·7	+2·1	13·4	95·6	4 days.	76·5	9th and 13th	19·1
	Waltair (Vizagapatam)	226	29·561	+·020	29·728	29·663	20th	29·420	5th	·243	82·9	89·6	...	78·3	...	83·9	...	11·3	93·9	4th and 7th	75·9	5th, 10th and 14th	18·0
	Calingapatam	19	29·764	...	29·723	29·880	30th	29 633	5th	·247	...	...	...	...	...	...	...	...	...	...	...	...	...
	Gopalpur	72	29·711	P	29 725	29·823	30th	29·558	5th	·265	82 3	89 3	+1·0	78·3	0	83·8	+0·5	11·0	93·2	19th	75 5	4th and 13th	17·7
	Stations in the Bay.																						
1	P. V. Fraser (*f*)	8	29·656P	...	29 581P	29·734	8th	29 577	1st	·157	82·4	...	...	...	...	...	...	...	...	...	...	...	...
	Car Nicobar	25	29 871	...	29·824	29 915	23rd	29·791	10th	·154	80·8	86·5	...	73·2	...	81·4	...	10·3	89·0	23rd	73·4	24th	15·6
	Port Blair	61	29·821	+·003	29·813	29·893	20th	29·729	5:h	·164	79·8	85·5	+0·4	76·7	+0·2	81·1	+0·3	8·8	88·2	29th	74·5	18th and 19th	13·7
	Slipper Island	90	29·744	...	29·767	29·823	20th and 24th	29·632	6th	·191	81 3	85·2	...	73 0	...	81·6	...	7·2	88·6	30th	73·6	18th	15·0
	Kashmir.																						
14	Srinagar	5,204	24 835	−·011	24·836	24·993	20th	24·675	1st	·318	59 4	83·2	+3·8	51·7	−1·3	67·5	+1·3	31·5	87·1	2nd	43·6	25th	43·5
	Gulmarg	*8,569*	21·680	...	21·848	22 009	20 h	21·706	1st	·212	56·1	65·3	...	40·0	...	52·9	...	25·3	69·7	4th	35·3	30th	34·4
	Sonemarg	*8,764*	21·755	...	21·723	21·897	20th	21·661	2nd	·236	45·4	68·5	...	36·5	...	53·5	...	30·0	73·4	3rd	33·1	4 days	40·3
	Dras	*10,059*	20·818	...	20·786	20 948	20th	20·700	5th	·248	53·0	73·7	...	39·8		56·8	...	33·9	81·4	1st	33·6	23rd	47·8
	Leh	11,5 3	19·733	+·003	19·701	19·857	20th	19·610	5th	247	52 6	69·3	−1·0	40·0	−1·5	54·7	−1·3	29·3	76·1	3rd	36·0	14th, 28th & 30th	40·1
	Skardu	7,605	22·626	...	22·796	22·962	20th	22 686	3rd	·276	61·2	72·2*	...	51·3	...	59·5*	...	17 9	72·5	29th	43·1	30th	29·4
	Gilgit	4,890	25·042	...	25·015	25·233	20th	24·793	2nd	·440	74·7	90·2	+3·5	64 1	−0·4	77·2	+1·6	26·1	99·2	2nd	59·7	23rd and 29th	39·5

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

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

(*f*) Mean of 11 days.

(*s*) „ „ 2 days.

* Mean of 29 days.

† Mean of 28 days.

B—*contd.*

stations in India, etc., in September, 1907—contd.

Wind direction. Number of winds from Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind velocity. Mean velocity, miles per hour.	Normal.	Departure from normal.	Wind steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 30th September 1907.	Normal rainfall for period, 1st May to 30th September.	Departure from normal of period, 1st May to 30th September 1907.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																XIV.—Madras.
9	3	6	6	1	1	1	1	2	N 51°E	N 52°E	S 4·0	2·2	+1·8	33	+22	90	0	·854	+·009	6·9	−0·7	11	16·90	−5·90	6·93	10·32	−3·34	108·47	111·49	−3·02	2·00	Mangalore.
7	...	...	3	3	2	4	5	6	S 67°W	N 30°W	7·1	7·1	0	23	−10	88	0	·836	+·004	6·1	−0·2	7	12·20	−5·20	5·93	6·13	−0·20	130·16	94·37	+35·79	2 62	Calicut.
5	2	6	6	2	2	1	3	3	N 54°E	N 5°E	S 7·3	5·1	+2·2	27	−14	85	−1	·836	−·019	6·4	+0·4	13	14·20	−1·20	7·70	8·98	−1·28	97·20	85 04	+12·16	1·28	Cochin.
5	9	1	...	...	...	...	1	14	N 27°W	N 16°W	7·0	8·1	−1·1	72	−9	82	−2	·768	−·035	5·9	−0·9	8	7·10	+0·90	11·35	3·63	+7·72	54·00	36·14	+17·86	4·94	Trivandrum*
2	2	2	...	...	...	2	9	13	N 59°W	N 74°W	7·2	7·5	−0·3	66	−9	70	+10	·859	?	3·9	−1·5	2	2·00	0	1·82	1·30	+0·52	4·78	3·98	+0·80	0·83	Tinnevelly
9	1	...	2	5	6	4	1	2	S 2°E	S 42°W	7·3	9·7	−2·4	33	−19	76	...	·892	...	2·5	...	0	2·20	−2·20	0	1·31	−1·31	1·69	2·96	−1·27	0	Pamban.
...	4	...	1	...	...	...	10	15	N 53°W	N 29°W	6·7	2·9	+3·8	52	+4	68	0	·732	−·005	6·0	+0·8	8	6·10	+1·90	3·27	4·99	−1·72	10·77	13·64	−3·87	0 80	Madura.
21	...	5	...	...	...	1	1	2	..	N 27°E	...	...	...	7	...	64	...	·637	...	4·7	...	4	4·50	−0·50	1·93	2·57	−0·64	11·42	8·92	+2 50	0·59	Periyakulam.
3	7	2	...	1	...	...	3	14	N 31°W	...	10·0	...	...	69	...	65	...	·723	...	6·7	...	5	...	...	0·90	...	...	8·92	...	...	0·34	Pudukkottai.
2	...	1	...	...	...	5	20	2	S 87°W	S 72°W	S 7·3	5·5	+1·8	79	+5	74	−1	·803	−·017	5·7	0	10	5·60	+4·40	5·16	3·45	+1·71	9·50	12·10	−2·60	1·62	Negapatam.
3	...	...	...	...	1	9	17	...	S 73°W	N 87°W	S 5·5	6·4	−0·9	79	+9	75	+3	·816	+·033	5·3	−0·7	5	5·90	−0·90	5·26	3·91	+1·35	14·04	14·01	+0 03	1·48	Trichinopoly*
...	1	...	...	1	10	17	1	...	S 30°W	S 33°W	6·5	5·5	+1·0	82	+8	78	−6	·682	−·036	4·1	−1·2	4	3·20	+0·80	0·92	1·32	−0·40	8·70	7 60	+1·10	0·29	Coimbatore.
...	...	...	1	1	1	14	12	1	S 63°W	S 43°W	5·4	3·4	+2·0	76	+16	77	−3	·767	−·004	6·2	+0·3	10	8·70	+1·30	7·21	6·55	+0·66	16·37	25·48	−9 11	2·06	Salem.
1	1	...	...	...	5	9	13	1	S 61°W	S 84°W	6·1	2·6	+3·5	72	+2	74	−8	·807	−·0737	4·5	−1·5	8	6·60	+1·40	6·88	6·21	+0·67	14·50	17·35	−2·85	1·94	Cuddalore.
9	1	5	3	8	2	...	1	1	S 80°E	...	S 4·0	...	...	33	...	76	...	·765	...	3·4	...	10	8·60	+1·40	10,17	6·14	+4·03	23·29	23·67	−0·38	1·82	Vellore.
1	1	..	...	...	6	4	15	3	S 74°W	S 68°W	S 5·9	6·0	−0·1	69	−1	74	−4	·865	+·023	5·0	−1·7	2	10 70	−8·70	0·87	5·01	−4·14	9·97	17·48	−7·51	0·59	Madras.
...	1	2	2	2	...	1	13	9	N 66°W	N 84°W	...	...	...	53	−25	72	−2	·800	+·078	6·1	−1·1	3	8·30	−5·30	3·60	5·93	−2·33	9·06	20·95	−11·89	3·05	Cuddapah*
3	2	1	...	...	...	1	10	13	N 60°W	N 79°W	S 7·1	9·2	−2·1	69	−9	69	−1	·626	−·026	5·7	−1·7	8	6·90	+1·10	2·27	4·62	−2·35	9·96	12·38	−2·42	0·60	Bellary.
5	1	...	...	...	1	1	2	20	N 52°W	N 88°W	S 8·6	...	...	69	+21	72	−6	·708	−·026	5·7	−1·2	4	9·20	−5·20	5·17	6·60	−1·43	12·92	21·80	−8·88	3·00	Kurnool.
1	...	2	...	2	6	3	10	6	S 74°W	N 63°W	S 6·9	6·7	+0·2	49	−10	66	−10	·771	−·078	4·8	−2·4	1	5·60	−4·60	0·66	4·35	−3·69	6·19	12 81	−6·62	0·66	Nellore.
17	1	...	...	...	...	1	4	7	N 61°W	N 68°W	6·2	5 8	+0·4	37	−22	75	−9	·867	−·040	5·3	−1·7	4	9·40	−5·40	2·33	5·89	−3·56	17·91	24·53	−6 62	1·02	Masulipatam.
8	...	2	...	...	...	12	6	2	S 69°W	N 87°W	4·9	6 4	−1 5	49	−16	83	+3	·938	?	6·2	−1 2	2	9·00	−7·00	1·34	5·89	−4·55	30·94	22·92	+8·02	1·14	Cocanada.
9	1	1	...	...	...	8	10	1	S 78°W	N 88°W	5·9	...	...	53	−14	73	−3	·826	−·036	7·2	−0·1	6	8·80	−2·80	2·54	8·01	−5·47	15·87	24·16	−8·29	0·64	Waltair (Visagapatam).
...	4	1	...	...	1	...	8	16	N 52°W	...	4·5	...	...	79	...	...	...	...	...	3·4	...	2	...	...	1·09	...	...	16 9*	...	...	0·70	Calingapatam.
...	12	1	...	...	...	4	2	11	N 33°W	N 61°W	7·2	9·3	−2·1	72	+31	81	−4	·881	−·048	4·1	−2·5	4	9·90	−5·90	3·32	7·14	−3·82	16·52	31·09	−14·57	1·98	Gopalpur.
																																Stations in the Bay.
3	...	...	2	2	...	2	1	1	S 9°E	...	...	...	...	19	...	93	...	1·029	...	5·6	...	5	...	...	4·41	...	...	23 03	...	..	2 78	P.V.Fraser(f
5	...	...	...	1	1	15	2	..	S 45°W*	...	S 2·7	...	...	71	...	87	...	·910	...	9·6	...	11	...	...	7·41	...	..	55·71	...	...	2·58	Car Nicobar.
6	...	1	...	...	1	10	11	1	S 70°W	S 61°W	S 9·9	9·5	+0·4	62	−4	87	−3	·890	−·035	7·2	−0·9	15	...	...	7·89	19 42	−11·53	76·50	81·99	−8·40	1·20	Port Blair.
6	...	...	1	...	1	2	15	6	S 51°W	...	18·3	...	...	66	...	88	...	·933	...	7·0	...	9	...	...	3·03	...	...	38 55	...	...	1·29	Slipper Island.
																																Kashmir.
9	1	3	...	7	6	2	...	2	S 29°E	S 43°E	S 3·0	3·3	−0·3	30	+5	82	−5	·421	−·047	0·9	−2 4	0	3·30	−3·30	0·03	1·11	−1·08	10·51	10·41	+0·10	0 03	Srinagar.
7	2	10	4	1	...	3	2	1	N 45°E	...	6·0	...	...	33	...	90	...	·364	...	0·6	...	4	...	...	1·13	...	...	(c) 17·31	...	...	0·85	Gulmarg.
7	11	12	...	...	...	...	...	...	N 23°E	...	3·7	...	...	69	...	84	...	·259	...	1·5	...	5	..	...	1·00	...	...	16·42	...	...	0·23	Sonemarg.
30	...	...	...	...	...	...	...	...	(a)	...	S 7·3	...	...	...	...	54	...	·215	...	1·2	...	0	2·00	−2·00	0	0·87	−0·87	3·38	5·46	−2·08	0	Dras.
27	2	...	...	...	...	...	1	...	N 27°W	N 85°W	S 2·7	1·9	+0·8	7	−43	40	−8	·164	−·012	1·5	−2·1	0	0·50	−0 50	0	0·20	−0·20	1·03	1·53	−0 50	0	Leh.
21	3	..	1	1	3	1	1	...	S	...	9·9	...	...	8	...	43	...	·234	...	2·1	...	0	0·40	−0·40	0 05	0·21	−0·16	2·95	2·98	+0·02	0·03	Skardu.
36	...	...	...	...	...	1	3	...	S 79°W	...	1·4	...	...	11	...	37	−14	·324	−·061	1·2	−2·3	0	1·10	−1·10	0	0·25	−0·25	3·07	2·35	+0·72	0	Gilgit.

S Uncorrected.
* Mean of 24 days.
(c) Rainfall since 21st May 1907.
(a) Indeterminate.

Table

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

Station.	Elevation of barometer above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.											
		Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Baluchistan.																						
Quetta	5,502	24·604	+·001	24·564	24·714	25th	24·497	1st & 5th	·217	68·1	87·3	+2·2	50·3	+0·8	69·0	+1·5	37·3	91·6	16th	40·3	30th	51·3
Chaman	4,311	25·642	—·006	25·604	25·749	25th	25·528	1st	·221	68·0	92·8	+1·2	60·9	—1·4	76·9	—0·1	31·9	97·8	2nd, 16th and 17th	54·3	26th	43·5
Robat	...	26·802	...	26·760	26·963	25th	26·632	1st	·331	77·8	90·8	...	71·3	...	81·1	...	19·5	99·0	16th	61·2	20th	37·8
Hill Stations excluding Kashmir and Baluchistan.																						
Chitral	5,486	...	...	...	...	...	...	...	...	69·0	90·9	...	56·1	...	73·5	...	34·8	97·2	1st	51·5	27th	45·7
Para Chinar	6,000	24·355	...	24·322	24·486	20th	24·241	1st	·245	71·7	83·3	...	59·1	...	71·3	...	24·2	86·7	17th	58·0	30th	31·7
Cherat	4,256	25·621	—·022	25·589	25·764	20th	25·495	1st	·269	75·2	88·8	+3·0	69·5	+3·6	79·2	+3·3	19·3	92·1	2nd, 3rd and 17th	62·0	19th	30·1
Murree	6,339	23·837	+·007	23·805	23·960	20th	23·724	1st & 5th.	·236	67·1	76·0	+2·2	61·3	+2·5	68·7	+2·4	14·7	79·5	17th & 26th	50·0	19th	29·5
Kailang	10,087	20·928§	...	20·883§	21·020	30th	20·885	5th	·135	53·6	71·7	+2·5	40·5	—1·5	56·1	+0·5	31·2	75·2	19th	35·0	29th	40·2
Simla	7,224	23·095	—·002	23·057	23·221	20th	22·984	1st	·237	58·4	66·6	+0·5	56·4	0	61·5	+0·3	10·2	69·5	20th	54·8	7th	14·7
Sanain	...	23·138	...	...	23·270	20th	23·020	1st	·250	62·8	71·7	...	52·3	...	62·1	...	19·4	77·4	1st	46·3	18th and 24th	29·1
Kalabagh	...	20·129	...	...	20·261	20th	20·054	16th	·207	46·5	53·0	...	42·5	...	47·8	...	10·5	59·4	3rd	38·1	29th	21·3
Chakrata	7,022	23·244	—·015	23·204	23·360	20th	23·144	1st	·216	61·8	70·9	+2·2	50·9	—0·1	63·9	+1·1	14·0	75·3	21st	54·2	17th & 30th.	21·1
Muktesar	7,556	22·839	...	22·798	22·976	20th	22·734	1st & 5th.	·242	59·5	72·0	...	55·5	...	63·8	...	16·5	77·5	2nd	52·9	17th	24·6
Darjeeling	7,376	23·002	—·027	22·957	23·105	20th	22·905	1st	·200	59·4	66·4	+2·3	55·3	—0·2	60·9	+1·1	11·1	71·5	9th	52·2	20th & 30th.	19·3
Shillong	4,920	25·074	...	25·024	25·181	30th	24·966	1st	·215	66·8	74·5	...	61·5	...	68·0	...	13·0	78·9	30th	58·2	18th & 30th.	20·7
Cherra Poonjee	4,309	25·622	...	25·573	25·720	30th	25·514	1st	·206	66·3	72·6	...	64·3	...	68·5	...	8·3	77·7	20th	61·3	17th & 30th.	16·4
Maymyo	3,545	26·395	...	26·340	26·483	30th	26·306	1st	·177	70·6	77·1	...	67·1	...	72·1	...	10·0	80·4	8th	63·6	28th	16·8
Pachmarhi	3,528	26·402	+·039	26·349	26·513	19th	26·280	5th	·233	70·6	79·4	+2·2	64·5	—1·8	72·1	+0·2	14·9	85·7	25th, 26th & 27th.	60·2	24th	25·5
Mount Abu	3,945	26·009	+·026	25·959	26·112	20th	25·875	5th	·237	66·7	73·3	—2·0	62·7	—1·9	68·0	—2·0	10·6	79·2	4 days	59·9	17th	19·3
Mercara	3,781	26·213	+·002	26·146	26·249	14th	26·175	29th	·074	64·5	72·9	+0·7	61·8	—0·1	67·4	+0·3	11·1	78·5	21st, 22nd, & 29th.	59·0	10th and 13th	19·5
Cotacamund	7,329	23·034	...	22·970	23·061	14th	23·007	25th & 29th.	·054	56·5	63·8	...	50·8	...	57·3	...	13·0	67·0	1st	46·2	14th & 15th.	20·8
Kodaikanal	7,388	22·823	...	22·758	22·862	13th	22·780	5th	·082	57·1	63·5	...	52·0	...	57·8	...	11·5	68·5	20th	49·5	6th	19·0
Extra India.																						
Singapore (c)	10	29·959	...	29·890	30·004	18th	29·891	5th	·113	82·5	87·3	...	74·0	...	80·7	...	13·3	90·5	10th	71·2	5th	19·3
Penang (c)	20	29·914	...	29·859	29·943	1st	29·881	10th	·062	82·5	88·2	...	73·7	...	81·0	...	14·5	92·0	18th	71·0	3rd	21·0
Trincomalee	12	29·889	P	29·827	29·945	21st	29·857	29th	·088	76·9	91·9	+0·7	77·1	+0·5	84·5	+0·6	14·8	95·5	13th	73·0	20th	22·5
Colombo	40	29·904	—·006	29·870	29·940	21st	29·862	29th	·078	80·7	87·0	+1·0	77·5	+0·5	82·3	+0·8	9·5	90·0	9th	72·0	30th	18·0
Minicoy	7	29·961	...	29·894	29·992	9th and 13th	29·924	28th	·068	82·0	86·5	+1·2	...	...	...	...	...	88·7	22nd	...	...	...
Amini Divi	13	29·941	+·014	29·882	29·973	6th	29·875	29th	·098	80·4	84·9	—0·1	76·7	—0·5	80·8	—0·3	8·2	88·3	14th	73·5	30th	14·8
Gyantse	13,120	18·507	...	...	18·586	24th	18·460	15th	·106	52·1	73·4	...	43·1	...	58·3	...	30·3	77·6	3rd	37·5	19th	40·1
Pharijong*	14,400	17·934	...	...	17·983	25th	17·889	5th	·094	43·1	55·0	...	33·7	...	44·4	...	21·3	60·3	3rd	25·3	22nd	35·0
Gangtok	5,600†	24·450	...	...	24·551	26th	24·328	11th	·223	64·6	74·5	...	53·4	...	64·0	...	21·1	79·7	1st	48·3	30th	31·4
Gartok	15,100†	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kashgar (c)	4,355	25·573	...	...	25·720	26th	25·280	10th	·440	66·9	88·0	+1·4	57·7	+0·8	70·4	+1·1	25·3	89·7	2nd	50·5	29th	39·2
Kabul	...	24·259*	...	24·228*	24·394	25th	24·133	5th	·261	73·1	90·9	+3·7	51·6	+0·6	71·3	+2·2	39·3	94·9	2nd	44·4	29th	50·5
Meshed	3,104	26·796	...	...	27·013	25th	26·605	6th	·407	64·2	84·1	..	47·9	—6·4	66·0	...	36·2	95·0	1st and 15th	41·8	28th	53·2

N. B.—Elevations in italics indicate barometrical determinations.
NOTE.—The barometric readings are not reduced to sea-level, in the cases of hill or plateau stations, the elevations of which exceed 3,200 feet.
(c) 9 hrs. observations.

B—*contd.*

237 stations in India, etc., in September, 1907.

Wind Direction.											Wind velocity.			Wind Steadiness.		Hygrometry, 8 hrs.				Cloud.		Rainfall.								Highest rainfall during month.	Stations.
Number of winds from											Resultant direction.	Normal direction.	Mean velocity, miles per hour.	Normal.	Departure, from normal.	Actual percentage.	Departure from normal.	Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Mean cloud amount at 8 hrs.	Departure from normal.	Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 30th September 1907.	Normal rainfall for period, 1st May to 30th September.	Departure from normal of period, 1st May to 30th September 1907.		
Calm.	N.	N. E.	E.	S. E.	S.	S. W.	W.	N. W.																							
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																Baluchistan.
30	...	...	...	...	...	...	...	...	(a)	S 45°W	0·4	2·2	−1·8	..	...	38	−12	·258	−·072	0·1	−0·1	0	0·20	−0·20	0	0·13	−0·13	1·85	2·32	−0·47	0	Quetta.
10	7	4	4	2	...	...	...	3	N 30°E	S 8 °E	8·3	7·8	+0·5	43	+5	53	+23	·373	+·104	0·2	0	0	0	0	0	0	0	0·33	0·28	+0·05	0	Chaman.
26	...	...	1	...	2	...	1	..	0	...	S2·8	...	...	7	...	55	...	·532	...	0	...	0	...	...	0	...	...	0	...	...	0	Robat.
																																Hill Stations excluding Kashmir and Baluchistan.
27	...	2	...	...	...	...	...	1	N 27°E	...	4·0	...	...	7	...	55	...	·399	...	0·3	...	0	...	...	0	...	...	3·36	...	...	0	Chitral.
20	...	...	...	...	...	...	...	...	(a)	...	5·1	...	...	...	...	46	...	·356	...	3·0	...	4	5·30	−1·30	1·22	2·63	−1·41	13·44	13·46	+0·98	0·31	Para Chinar.
9	13	...	...	3	1	2	3	...	N 17°W	S 32° W	5·2	7·9	−2·7	27	+22	49	−9	·497	−·031	0·1	−1·8	0	...	...	0·03	1·80	−1·77	7·14	11·83	−4·69	0·03	Chenat.
17	5	...	2	...	2	...	1	3	N 12°W	N 37°W	6·5	5·7	+0·8	17	−2	58	−7	·392	+·011	0·6	−1·9	3	8·00	−5·00	1·13	5·62	−4·49	26·31	37·58	−11·27	0·49	Murree.
...	...	...	...	2	7	13	6	1	* S39°W	...	2·0	1·7	+0·3	74	...	53	...	·229	...	2·7	...	0	...	...	0	1·67	−1·67	3·80	8·32	−4·53	0	Kailang.
1	27	...	...	...	2	...	...	...	N	N 33° E	6·0	4·1	+1·9	93	+46	82	+6	·404	+·007	4·4	+0·4	2	8·70	−6·70	0·49	5·87	−5·38	26·24	51·29	−25 05	0· 19	Simla.
19	...	2	...	...	5	1	2	1	S 27°W	...	3·9	...	...	17	...	62	...	·356	...	1·8	...	2	...	...	0·22	...	...	22·28	...	...	0·10	Sanain.
2	...	...	2	3	...	...	5	18	N 52°W	...	9·0	...	...	56	...	76	...	·243	...	4·1	...	2	...	...	0·87	...	...	30·69 (b)	...	...	0·39	Kalabagh.
26	...	...	...	3	2	...	...	...	S 23°E	N 21° E	7·1	6·0	+1·1	10	−3	82	−1	·461	+·011	3·2	−1·5	2	8·30	−6·30	0·95	6·10	−5·15	30·01	56·55	−26·54	0·69	Chakrata.
16	1	...	1	...	...	...	12	...	N 85°W	...	8·5	...	...	37	...	83	...	·415	...	2·5	...	3	...	...	0·54	...	...	26·81	...	...	0·20	Muktesar.
6	4	6	3	3	...	5	3	...	N 67°E	S 89° E	3·3	3·7	−0·4	13	−6	93	−1	·471	−·003	3·3	−0·2	15	17·71	−2·71	7·67	18·95	−11·28	77·64	111·83	−34·19	1·47	Darjeeling.
28	...	1	...	...	...	1	...	...	(a)	...	2·8	...	...	...	...	83	...	·536	...	6·9	...	17	17·50	−0·50	9·54	13·67	−4·13	50·36	65·58	−15·22	2·35	Shillong.
11	...	1	4	3	1	8	1	1	S 4°W	...	4·1	...	...	23	...	95	...	·612	...	7·7	...	21	18·80	+2·20	29·87	51·49	−21·62	311 31	374·47	−63·16	6·20	Cherra Poonjee.
28	...	...	...	...	1	1	...	...	S 27°W	...	S 1·5	...	...	7	...	90	...	·680	...	8·9	...	15	15·20	−0·20	11·24	9·06	+2·18	34·37	44·24	−9·87	1·96	Maymyo.
3	...	...	1	...	...	...	5	21	N 52°W	N 85° W	7·5	6·2	+1·3	79	+35	75	−8	·561	−·006	3·9	−2·7	1	13·80	−12·80	0·48	14·09	−13·61	51·77	71·30	−19·53	0·49	Pachmarh.
3	...	...	...	...	...	3	18	4	2	S 52°W	S 70° W	9·6	7·9	+1·7	72	+28	76	−4	·466	−·065	4·1	−6·5	4	8·00	−4·00	2·58	9·13	−6·54	76·10	59·76	+16·34	1·51	Mount Abu.
4	1	3	2	1	1	...	7	12	N 51°W	N 67° W	3·2	7·2	−4·0	46	−28	93	+1	·564	−·010	6·1	−0·4	15	18·00	−3·00	8·53	10·48	−1·95	127·13	110·32	+16·81	2·16	Mercara.
11	1	1	2	...	...	...	12	3	N 71°W	...	5·6	...	...	40	...	63	...	·384	...	7·1	...	13	10·10	+ ·90	7·43	4·44	+2·98	32·88	27·19	+5·6 9	1·90	Ootacamund.
2	...	1	1	2	3	1	10	10	N 80°W	...	S 11·1	...	...	49	...	80	...	·380	...	4·9	...	9	12·40	−3·40	3·64	6·70	−3·06	21·21	...	...	0·81	Kodaikanal.
																																Extra India.
2	...	...	1	5	3	7	7	5	S 54°W	...	S 5·8	...	...	46	...	...	...	...	...	7·2	...	12	...	...	5·97	...	...	37·59	...	...	1·56	Singapore
...	6	9	2	2	...	1	1	9	N 6°E	...	S 11·7	...	...	56	...	...	...	...	...	4·0	...	14	...	...	8·07	...	...	30·88	...	...	1·56	Penang.
...	...	...	...	...	...	30	...	...	S 45°W	S 43° W	S 7·3	12·8	−5·5	96	+2	80	0	·811	−·054	3·1	+0·1	9	...	...	3·39	4·56	−1·17	11·62	15·14	−3·53	1·17	Trincomalee.
...	...	...	...	...	...	26	4	...	S 51°W	S 57° W	S T6·6	9·2	−2·6	92	+11	84	+6	·886	+·034	5·5	−0·5	6	...	...	3·14	4·62	−1·68	25·93	32·90	−6·97	1·27	Colombo.
...	4	...	...	...	...	...	8	18	N 51°W	N 75° W	7·3	11·6	−4 3	89	+9	77	−4	·840	−·009	4·4	−0·8	4	...	...	1·01	6·97	−4·96	27·82	34·13	−6·30	0·28	Minicoy.
...	19	3	...	...	...	...	...	8	N 8°W	...	...	...	...	89	...	82	0	·846	−·034	0·1	−0·3	15	...	...	6·71	5·54	+1·17	...	27·73	...	1·60	Amini Divi.
...	...	...	...	14	7	9	...	...	S 10°E	...	3·0	...	...	73	...	86	...	·256	...	...	...	1	...	...	0·19	...	...	4·15	...	...	0·10	Gyantse.
16	...	...	...	10	2	1	...	...	S 31°E	...	T7·3	...	...	43	...	82	...	·226	...	5·3	...	6	...	...	1·09	...	...	15·45	...	...	0·15	Pharijong.
30	...	...	...	...	...	...	...	...	(a)	...	1·9	...	...	...	..	91	...	·537	...	0·3	...	20	...	...	17 45	...	...	99·35	...	...	1·35	Gangtok.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Gartok.
26	1	...	...	..	..	...	...	3	N 34°W	N 29° W	2·8	3·0	−0·2	13	+3	48	−6	·318	−·008	1·9	−1·3	0	...	...	0	0·43	−0·43	2·10	3·01	−0·91	0	Kashgar.
...	6	5	1	...	...	1	14	3	N 46°W	S 13° W	...	...	...	53	+44	49		·394	...	0 2	+0·1	0	...	...	0	0·03	−0·03	0·13	1·16	−0 83	0	Kabul.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	47	...	47	...	·282	...	0·3	−0·3	0	...	...	0	0·03	−0·03	3·29	1·01	+1·25	0	Meshed.

(a) Indeterminate.
† Mean of 24 days.
§ Uncorrected.
‖ Mean of 28 days.
‡ Mean of 29 days.
Y Mean of 27 days.

(c) Rainfall since 21st May 1907.

(b) Rainfall since 1st June 1907.

TABLE

(2) Abstract of observations taken at 8 hrs. at 23[7]

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
	Extra India— *contd.*																						
	Jask*	13	29·774	+·026	29·741	29·886	26th	29·616	1st	·270	86·1	91·8	−1·7	82·1	+1·2	87·0	−0·3	9·7	94·8	3rd	78·3	23rd	16·5
	Muscat	20	29·781	+·026	29·750	29·904	21st	29·630	5th	·274	83·4	89·4	+2·2	81·1	−2·3	85·2	−0·1	8·3	97·3	5th	78·1	13th	19·2
	Bahrein *	18	29·798	...	29·768	29·937	26th	29·658	5th	·279	90·9	94·2	...	82·1	...	88·2	...	12·1	99·7	10th	76·4	29th	23·3
	Bushire	14	29·722	−·007	29·695	29·911	25th	29·556	5th	·355	84·1	92·4	−1·9	78·1	−1·0	85·3	−1·5	14·3	98·1	12th	70·1	27th	28·0
	Busrah	25	29·759	...	29·743	29·958	25th	29·365	30th	·593	79·4	99·3	...	68·7	...	84·0	...	30·6	106·4	5th	59·7	20th	46·7
	Ispahan (b)	*5,817*	24·331	...	...	24·410	27th	24·240	6th	·170	69·0	89·1	−1·3	56·1	+1·1	72·6	−0·1	33·0	95·5	10th, 12th and 13th.	49·2	21st, 22nd and 23rd.	46·3
	Tehran (b) *	*4,002*	25·727*	...	...	25·820	28th	25·610	9th	·210	67·0	89·3	−1·3	62·6	−2·2	76·0	−1·8	26·7	99·7	10th	56·7	25th	43·0
	Baghdad (II)	220	29·620	−·027	29·812	29·741	12th	29·517	5th and 6th,	·224	82·1	104·8	+1·3	74·3	+1·3	89·6	+1·3	30·5	113·1	7th	68·1	28th	45·0
	Beirut	...	...	...	29·895	...	...	...	...	...	79·0	85·6	...	70·1	...	77·9	...	15·5	88·8	3rd	67·3	19th	21·5
	Aden	94	29·761	+·024	29·786	29·865	21st	29·624	14th	·241	86·6	93·4	−0·2	83·3	+1·1	88·3	+0·5	10·1	96·3	16th	78·9	22nd	17·4
	Perim	201	...	...	...	...	...	...	...	...	89·1	95·6	+0·7	84·0	+0·9	89·8	+0·8	11·6	97·5	20th	83·0	11th	14·5
	Zanzibar	72	30·086	+·031	30·065	30·127	23rd & 24th.	30·037	13th	·090	76·0	82·1	+0·1	73·1	−0·4	77·6	−0·2	9·0	84·3	7th	70·9	1st	13·4
	Zanzibar Dunga	*154*	29·932	...	30·016	29·978	22nd & 23rd.	29·880	2nd	·098	74·6	83·1	...	II 73·9	...	II 78·0	...	9·2	87·5	5th	72·8	5 days	14·7

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

Note—The barometric readings are not reduced to sea-level, in the cases of hill or plateau stations, the elevations of which exceed 3,500 feet.

(b) Aneroid uncorrected.

(c) Aneroid corrected.

(II) Mean of 17 days.

* Mean of 18 days.

† " " 29 "

B—*concld.*

stations in India, etc., in September, 1907—contd.

Wind direction. Number of winds from Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind velocity. Mean velocity, miles per hour.	Normal.	Departure from normal.	Wind steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 30th September 1907.	Normal rainfall for period 1st May to 30th September.	Departure from normal of period 1st May to 30th September 1907.	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.*
4	...	...	19	5	1	...	...	...	S 78°E	S 81°E	10·7	13·4	−2·7	82	+19	75	+2	·960	+·035	1·1	−0·4	0	...	...	0	0	0	0	0·13	−0·13	0	Jask.
21	3	...	2	4	...	...	...	1	S 89°E	N 72° E	3·0	3·8	−0·8	14	−15	80	+3	·925	−·005	2·3	+1·3	0	...	...	0	0	0	0	0·40	−0·40	0	Muscat.
...	6	...	...	1	1	1	5	15	N 49W	...	6·3I	...	...	74	...	73	...	1·059	...	...	...	0	...	...	0	...	...	0·50	...	...	0	Bahrein.
3	5	3	4	5	4	...	...	6	N 54°E	N 60° E	10·2	6·9	+3·3	23	−29	67	+4	·796	−·030	1·9	...	0	...	...	0	0	0	0·02	0	+0·02	0	Bushire.
2	2	1	1	...	1	6	13	4	N 89°W	...	S 6·0	...	...	61	...	62	...	·629	...	0·2	...	0	...	...	0	...	...	0·27	...	...	0	Busrah.
25	...	1	...	...	...	1	2	1	N 73°W	N 72° W	2·8	3·4	−0·6	10	−24	63	+15	·455	+·080	0	−0·3	0	...	...	0	0	0	0·59	...	...	0	Ispahan.
...	2	23	3	...	...	1	...	...	N 47°E	N 62° E	VI 2·8	2·8	0	85	+73	51	+17	·344	+·033	0·4	−0·2	0	...	...	0	0·14	−0·14	1·22	0·97	+0·25	0	Tehran.
11	5	...	...	...	...	...	...	1	N 9°W	N 11° W	(i) 3·3 S	2·4	+0·9	35	−17	37	−11	·405	−·102	0·5	+0·3	0	...	...	0	0	0	0·79	0·33	+0·46	0	Baghdad.
7	...	4	...	...	...	17	1	1	S 52°W	...	1·0	...	...	46	...	61	...	·615	...	1·5	...	1	...	...	0·30	...	...	3·07	...	...	0·36	Beirut.
6	...	15	...	3	...	6	...	...	N 63°E	S 56° E	8·8	9·6	−0·8	30	0	78	+3	·988	+·056	4·3	+0·4	0	...	...	0	0·13	−0·13	0·02	0·50	−0·48	0	Aden.
...	...	...	2	5	3	13	4	3	S 36°W	N 72° E	18·8	12·0	+6·8	56	+43	69	−5	·953	−·011	0	−3·8	0	...	...	0	0·01	−0·01	0	0·84	−0·84	0	Perim.
8	...	...	...	4	11	7	...	...	S 6°W	S 8°E	4·9	5·6	−0·7	59	−27	81	−2	·725	−·019	5·6	−0·3	6	...	...	2·14	2·03	+0·11	12·64	18·36	−5·72	0·70	Zanzibar.
...	1	4	1	5	...	10	8	1	S 53°W	...	4·5	...	...	33	...	85	...	·736	...	0	...	6	...	...	2·09	...	...	16·27	...	...	0·75	Zanzibar Dunga.

S Uncorrected.
(a) Indeterminate.
(i) Mean of 16 days.

* Mean of 28 days.
I Mean of 27 days.
VI Mean of 1 day.

(b) Rainfall since 1st June 1907.

Table C.—Abstract of observations taken at 8 hrs. at 24 fourth class stations in India, in September, 1907.

TABLE

Abstract of observations taken at 8 hrs. at 24 fourth

Number of sub-division.	Station.	Temperature of air.													Wind direction.										
		Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.	Number of winds from								Resultant direction.	Normal direction.
															Calm.	N.	N. E.	E.	S. E.	S.	S. W.	W.	N. W.		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
	II.—Eastern Bengal and Assam.																								
4	Bishnath	76·8	88·2	...	71·2	...	79·7	...	17·0	93·3	20th	66·2	30th	27·1	...	...	...	...	...	...	...	...	...	...	...
	Borjuli	78·9	89·7	...	74·0	...	81·9	...	15·7	95·1	21st	71·5	29th & 30th.	23·6	...	...	...	...	...	...	...	...	...	...	...
	Chandkhira	79·7	88·3	...	74·7	...	81·5	...	13·6	92·7	5th	70·3	30th	22·4	...	...	...	...	...	...	...	...	...	...	...
	Doom Dooma	76·3	85·0	...	73·9	...	79·5	...	11·1	95·3	1st	70·2	29th	25·1	...	...	...	...	...	...	...	...	...	...	...
	Dikom	76·6	85·1	...	74·1	...	79·6	...	11·0	94·2	20th	71·0	29th	23·2	...	...	...	...	...	...	...	...	...	...	...
	Golaghat	79·8	87·8	...	75·2	...	81·5	...	12·6	92·2	2nd	71·9	30th	20·3	...	...	...	...	...	...	...	...	...	...	...
	Hailakandi	78·7	88·3	...	75·7	...	82·0	...	12·6	93·2	5th	69·0	24th	33·2	...	...	...	...	...	...	...	...	...	...	...
	Jorehat	78·6	88·2	...	75·3	...	81·8	...	12·9	91·9	5 days	73·0	30th	18·9	...	...	...	...	...	...	...	...	...	...	...
	Mesas	80·9	91·6	...	74·3	...	83·0	...	17·3	96·3	20th	69·8	30th	26·5	...	...	...	...	...	...	...	...	...	...	...
	Panerihat	74·3	86·8	...	73·3	...	80·1	...	13·5	91·9	2nd	70·0	30th	21·9	...	...	...	...	...	...	...	...	...	...	...
	Srimangal	81·6	90·6	...	75·7	...	83·1	...	14·9	94·2	8th	72·7	30th	21·5	...	...	...	...	...	...	...	...	...	...	...
	Tura*	80·9	84·2	...	73·7	...	79·0	...	10·5	87·6	19th	71·3	16th & 17th.	16·3	...	1	2	...	2	6	19	...	1	S 33°W	...
5	Brahmanbaria	82·3	88·8	...	77·1	...	83·0	...	11·7	92·3	19th	70·4	16th	21·9	...	...	...	...	...	...	...	...	...	...	...
	Dam Dim	77·4	89·9	...	73·2	...	81·7	...	16·7	93·9	20th	70·3	3 days	23·0	...	...	...	...	...	...	...	...	...	...	...
	Goalundo	83·4	90·6	...	77·2	...	83·9	...	13·4	94·2	30th	72·2	20th	22·7	...	...	...	...	...	...	...	...	...	...	...
	Kalchini	80·6	87·5	...	73·1	...	80·3	...	14·4	93·5	2nd & 20th	70·9	5 days	22·6	...	...	...	...	...	...	...	...	...	...	...
	Nagrakata	80·2	90·0	...	73·5	...	81·8	...	16·5	94·1	20th	70·0	17th	24·1	...	...	...	...	...	...	...	...	...	...	...
	Pabna	83·8	95·5	...	77·2	...	86·4	...	18·3	99·0	30th	72·1	17th	26·9	...	...	...	...	...	...	...	...	...	...	...
	III.—Bengal.																								
6	Fraserganj	83·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	29	...	...	...	S 44° W	...
	XI.—Central Provinces.																								
24	Chhindwara	...	...	...	...	...	...	...	Observatory not opened.				...	...	...	...	...	...	...	...	...	...	...	...	...
	Hill Stations.																								
	Panighatta	79·5	86·8	...	72·0	...	79·4	...	14·8	90·9	20th	69·9	16th & 30th.	21·0	...	...	..	...	...	...	...	..	...	...	...
	Kurseong	67·0	72·9	...	63·4	...	68·2	...	9·5	78·3	20th	60·9	30th	17·4	...	...	...	...	...	...	...	...	...	...	...
	Poo	...	71·4	...	52·3	...	61·9	...	19·1	74·4	4th	45·3	29th	29·1	26	1	1	...	...	1	1	...	...	(a)	...
	Killa Drosh	67·9	89·5	...	64·6	...	77·1	...	24·9	96·2	2nd	60·0	13th & 22nd.	36·2	27	...	...	...	2	...	...	...	...	S 45° E†	...
	Pishin	...	88·4	...	51·7	...	70·1	...	36·7	93·2	16th	42·5	8th	50·7	...	...	...	...	...	...	...	...	...	...	...
	Extra India.																								
	D'thala	...	...	...	...	...	...	...	Register not received.				...	...	...	...	...	...	...	...	...	...	...	...	...

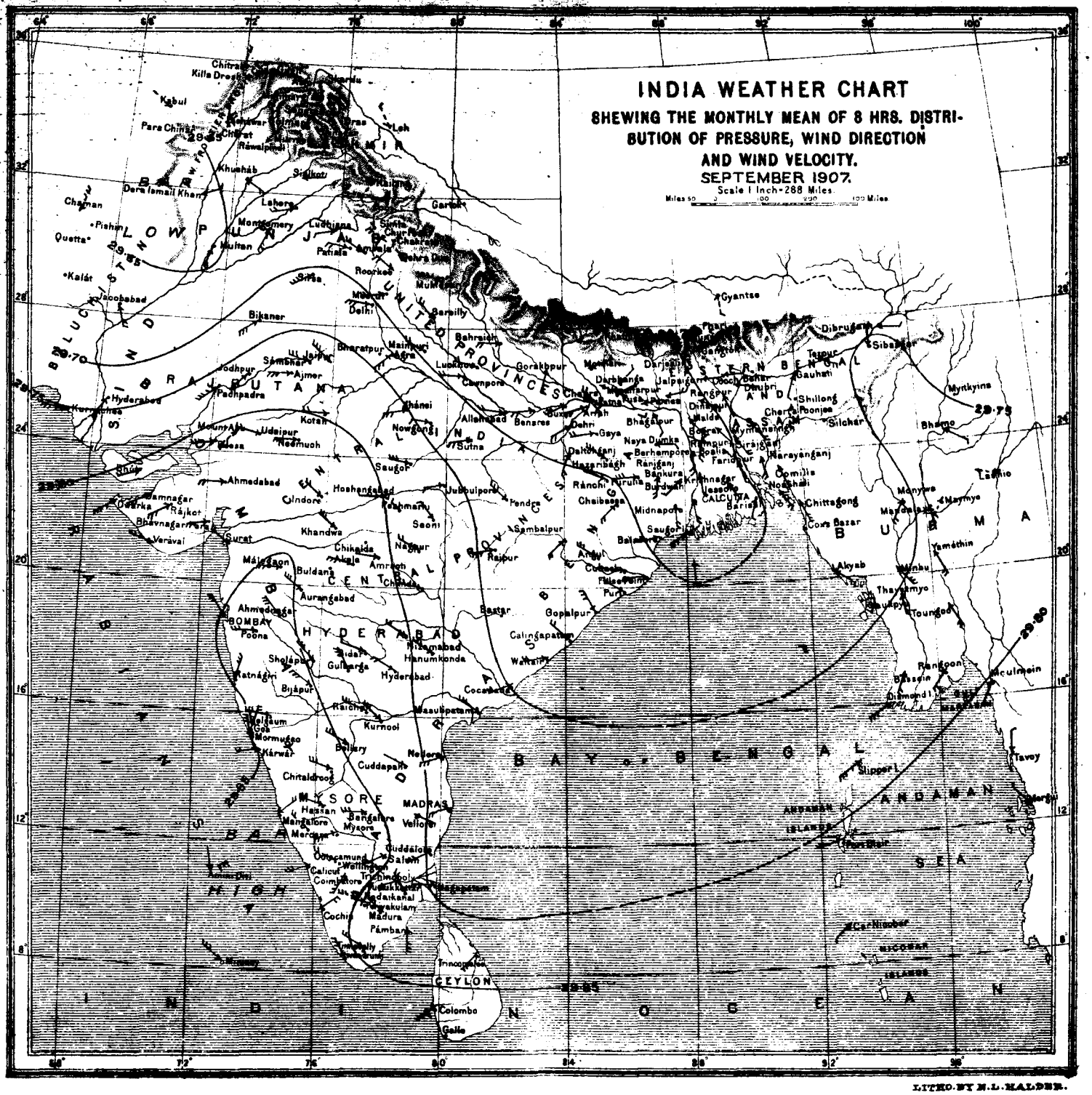
* Observations of 10 hours.
† Wind direction of 29 days.
(a) Indeterminate.

C.

class stations in India, etc., in September, 1907.

Wind velocity.			Wind steadiness.		Hygrometry, 8 hrs.				Cloud.		Rainfall.									Heaviest rainfall during month.	Station.
Mean velocity miles per hour.	Normal.	Percentage departure from normal.	Actual percentage.	Departure from normal.	Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Mean cloud amount at 8 hrs.	Departure from normal.	Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 30th September 1907.	Normal rainfall for period 1st May to 30th September.	Departure from normal of period 1st May to 30th September 1907.		
27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
																					II.—Eastern Bengal and Assam.
...	...	...	...	...	98	...	·906	...	...	...	21	...	...	14·43	...	...	76·82	...	...	2·80	Bishnath.
...	...	...	...	...	92	...	·917	...	...	...	19	...	...	13·48	...	...	58·67	...	...	2·20	Borjuli.
...	...	...	...	...	91	...	·926	...	...	...	19	...	...	10·17	...	...	75·70*	...	...	1·41	Chandkhira.
...	...	...	...	...	95	...	·864	...	...	...	18	...	...	15·98	...	...	76·20	...	...	2·98	Doom Dooma.
...	...	...	...	...	94	...	·866	...	...	...	19	...	...	16·43	...	...	71·25	...	...	3·15	Dikom.
...	...	...	...	...	90	...	·917	...	...	...	18	...	...	10·98	...	...	49·28	...	...	2·71	Golaghat.
...	...	...	...	...	91	...	·888	...	...	...	18	...	...	16·37	...	...	98·43	...	...	3·70	Hailakandi.
...	...	...	...	...	91	...	·893	...	...	...	16	...	...	8·73	...	...	61·26	...	...	3·15	Jorehat.
...	...	...	...	...	88	...	·937	...	...	...	12	...	...	12·73	...	...	88·14	...	...	2·91	Messa.
...	...	...	...	...	98	...	·827	...	...	...	14	...	...	15·95	...	...	57·03	...	...	2·83	Panerihat.
...	...	...	...	...	85	...	·924	...	...	...	15	...	...	14·44	...	...	74·52	...	...	4·06	Srimangal.
...	...	...	67	...	83	...	·883	...	...	...	28	...	...	21·83	...	...	84·75	...	...	4·51	Tura.*
...	...	...	...	...	86	...	·953	...	...	...	12	...	...	5·00	...	...	51·07	...	...	1·13	Brahmanbaria.
...	...	...	...	...	94	...	·888	...	...	...	19	...	...	21·05	...	...	120·94	...	...	3.77	Dam Dim.
...	...	...	...	...	83	...	·953	...	...	...	13	...	...	6·71	...	...	47·00	...	...	1·18	Goalundo.
...	...	...	...	...	86	...	·909	...	...	...	17	...	...	14·14	...	...	132·60	...	...	3·29	Kalchini.
...	...	...	...	...	87	...	·897	...	...	...	19	...	...	18·59	...	...	118·01	...	...	3·65	Nagrakata.
...	...	...	...	...	84	...	·971	...	...	...	12	...	...	10·08	...	...	43·07	...	...	2·20	Pabna.
																					III.—Bengal.
...	...	...	100	...	86	...	·979	...	...	...	9	...	...	11·23	...	...	...	...	...	4·21	Fraserganj.
																					XI.—Central Provinces.
...	...	...	...	...	...	...	...	Observatory not opened.			...	...	...	...	...	...	...	...	...	...	Chhindwara.
																					Hill Stations.
...	...	...	...	...	84	...	·837	...	...	...	18	...	...	23·12	...	...	94·68	...	...	6·52	Panighatta.
...	...	...	...	...	90	...	·595	...	...	...	22	...	...	14·07	...	...	109·52	...	...	1·65	Kurseong.
...	...	...	...	...	...	...	...	...	2·3	...	0	...	...	0	...	...	...	...	...	0	Poo.
...	...	...	7	...	45	...	·309	...	0·2†	...	2	...	...	0·22	...	...	...	...	...	0·12	Killa Drosh.
...	...	...	...	...	...	...	...	...	0·1	...	0	...	...	0	...	...	...	...	...	0	Pishin.
																					Extra India.
...	...	...	...	...	...	...	...	Register not received.			...	...	...	...	...	...	...	...	...	...	D'thala.

* Rainfall for 17th to 23rd June 1907 wanting.
† Mean of 29 days.



LITHO. BY M. L. HALDER.

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

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

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

Zinco. S. I. O., Calcutta.

Reg. No. 1653 E., 08.—Dir. Genl., Observatories.—May 08.—2,000

LITHO. BY N.L. HALDER.

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

Reg. No. 1053 E., 08.—Dir. Genl., Observatories.—May 08.—2,050. Zinco, S. I. O., Calcutta.

PLATE III

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

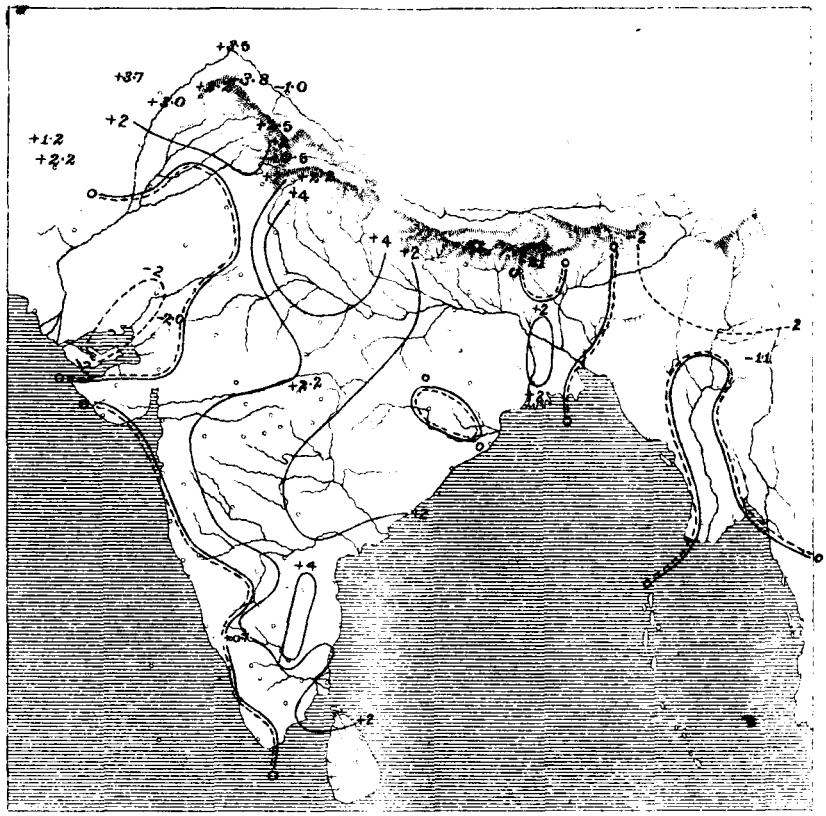
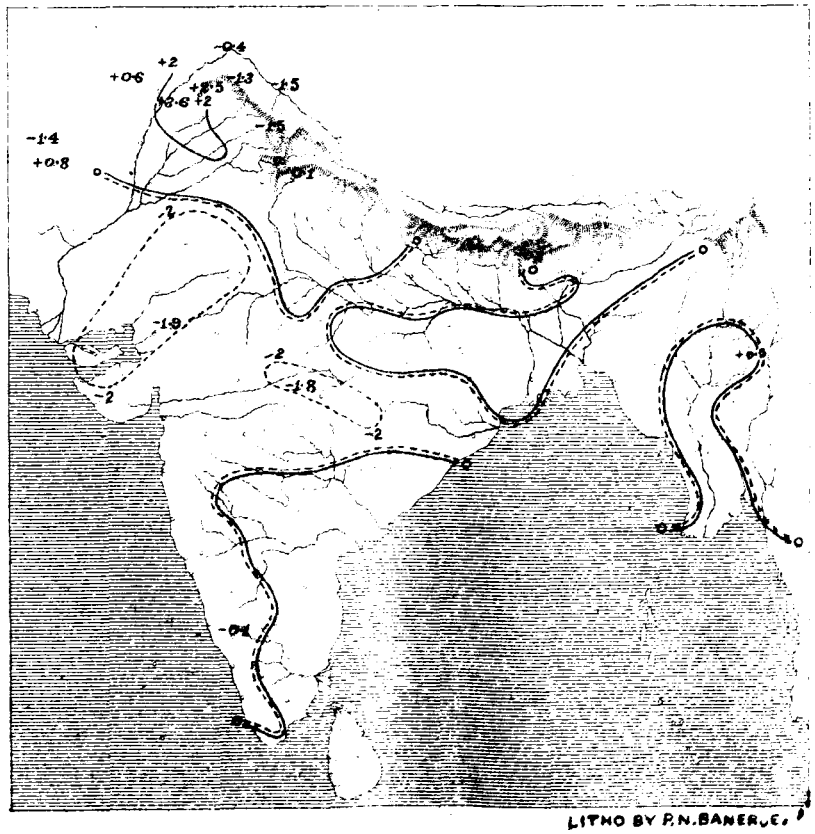


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MINIMUM TEMPERATURE.



LITHO BY P.N.BANERJEE.

PLATE IV

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

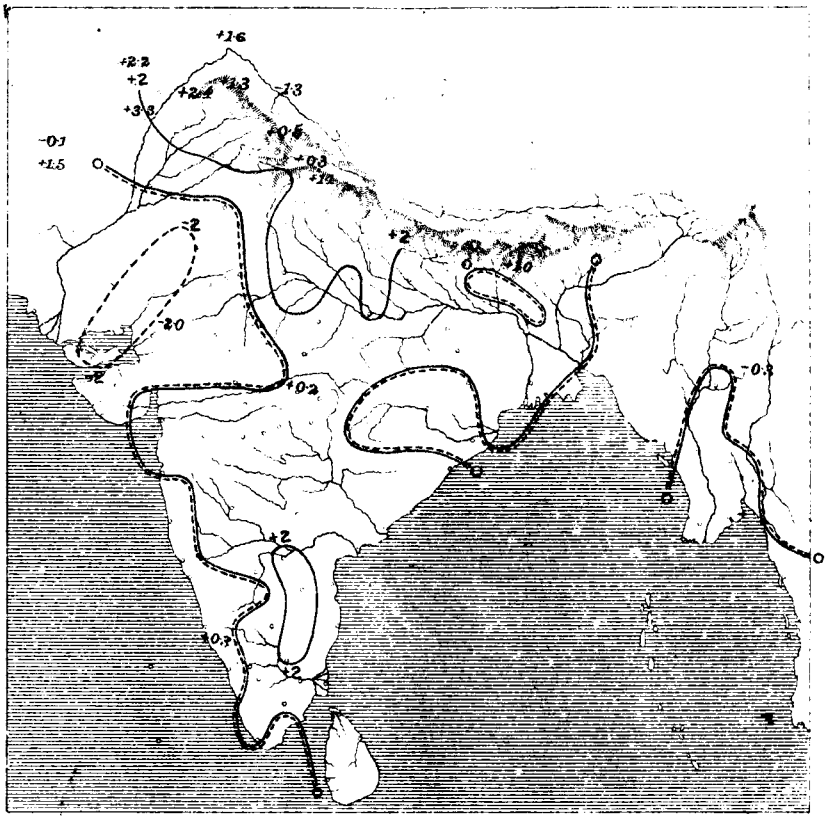
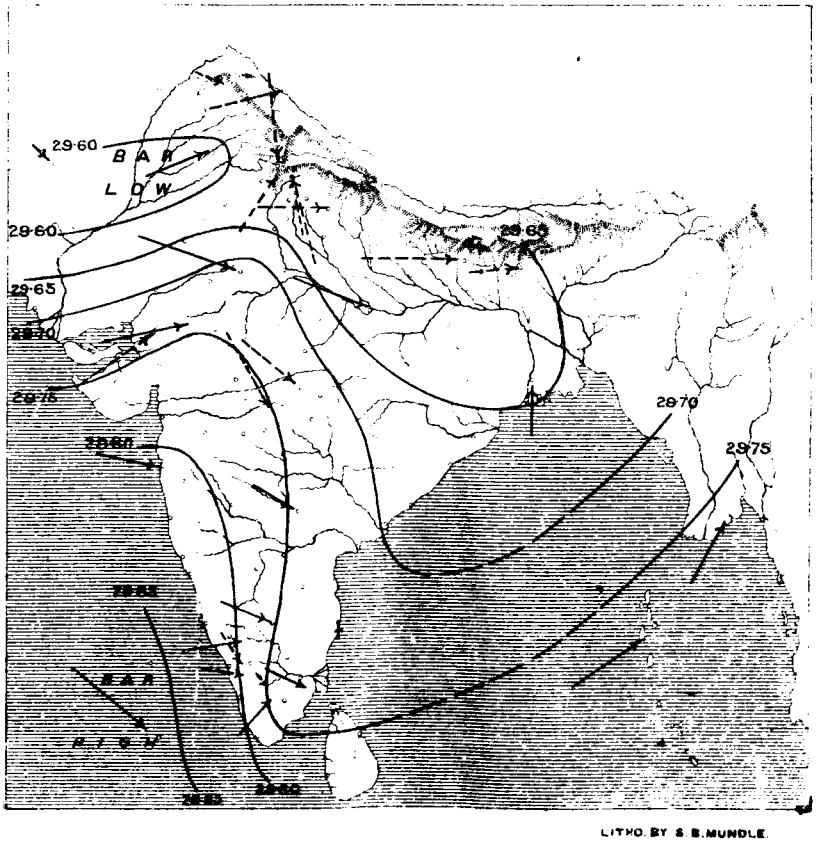


CHART SHEWING THE MONTHLY MEAN OF PRESSURE AND RESULTANT WIND DIRECTION.



LITHO. BY S. S. MUNDLE.

PLATE V.

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

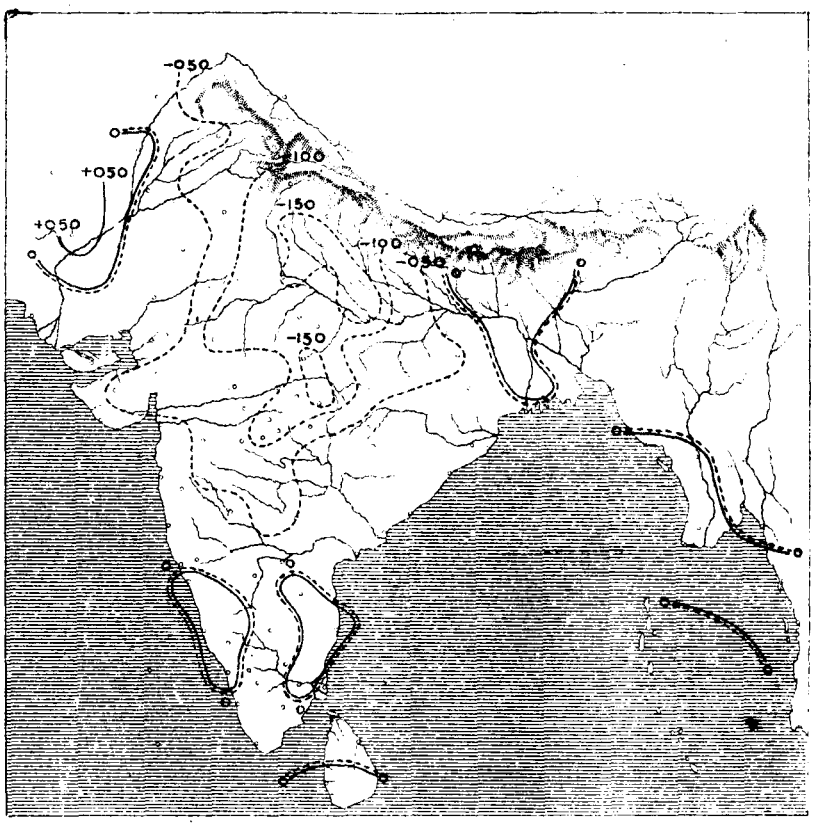
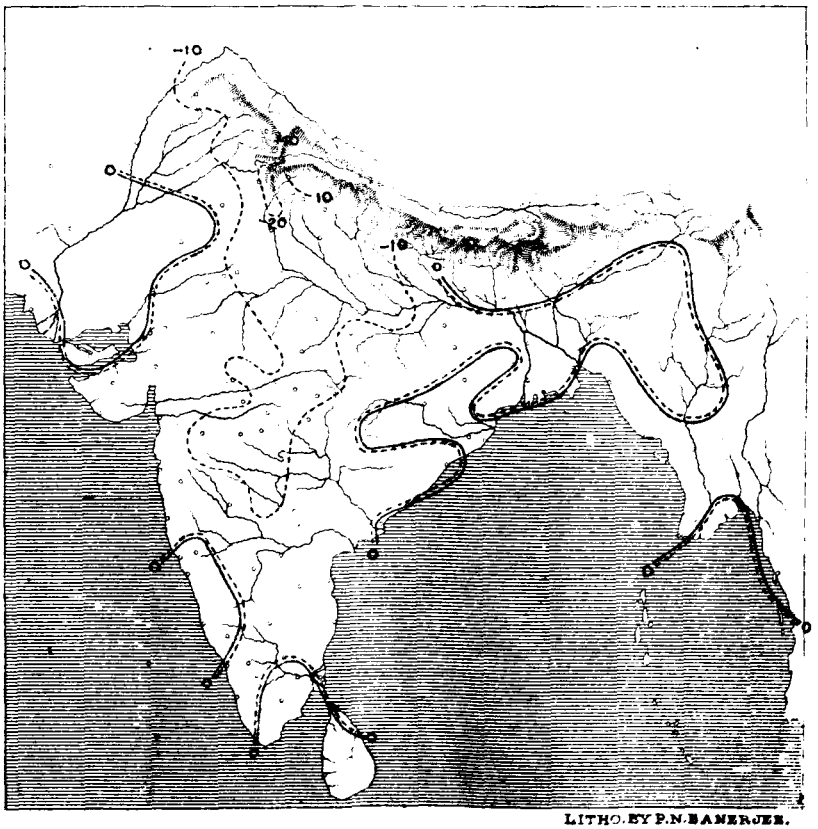


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF RELATIVE HUMIDITY AT 8 HRS.



LITHO. BY P.N. BANERJEE.

PLATE VI

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

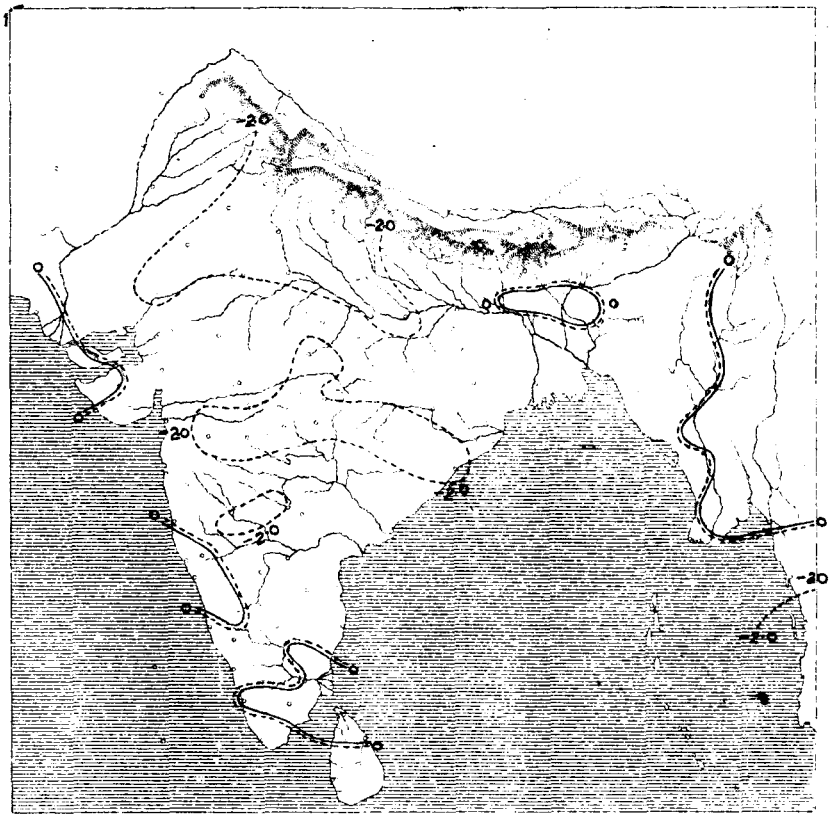
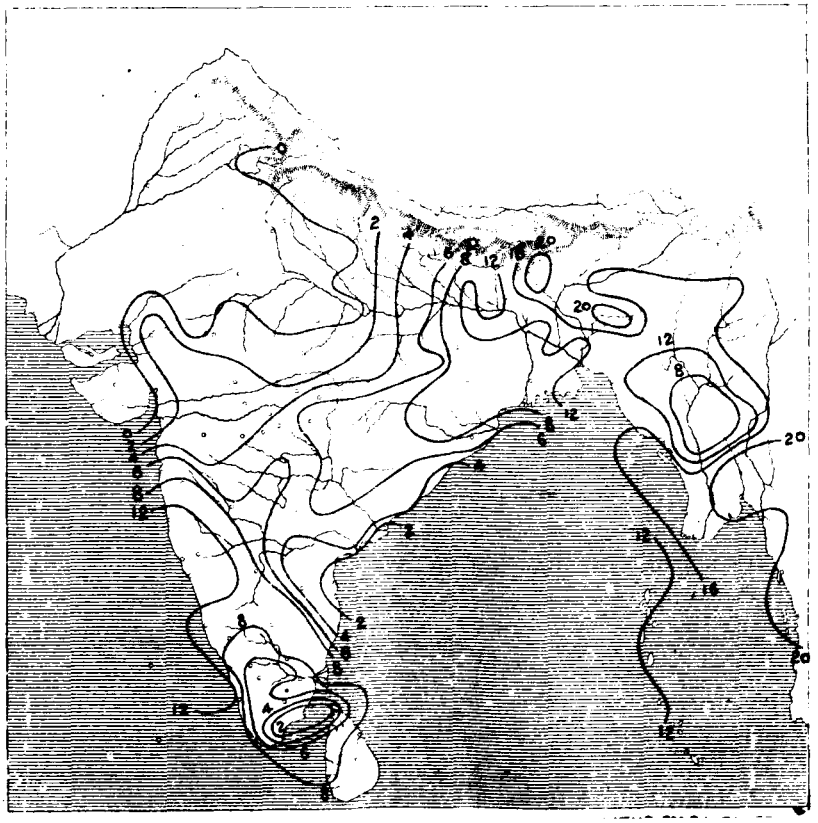


CHART SHEWING THE TOTAL NUMBER OF DAYS IN THE MONTH ON WHICH RAINFALL EQUALLED OR EXCEEDED 0·10 INCH.

(BASED ON THE RETURNS OF TABLE B.)



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

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

Reg. No. [illegible]—Dir. Genl. Observatories—Mar. [illegible]—2,500

Zinco [illegible]

GOVERNMENT OF INDIA.

METEOROLOGICAL DEPARTMENT.

MONTHLY WEATHER REVIEW.

PUBLISHED BY ORDER OF

THE GOVERNMENT OF INDIA.

CALCUTTA, OCTOBER, 1907.

INTRODUCTION.

THIS review of the weather in India during the month of October, 1907, is based on observations taken daily at 8 hrs. at 237 stations, and on additional observations taken at 10 hrs. and 16 hrs. at 38 stations. In the rainfall summary the data furnished by the meteorological observatories, and such rainfall statements of the month as had been published by the provincial Governments up to the date of the preparation of the review, have been utilized. The brief notes on solar, seismic and magnetic disturbances have been supplied by the chief observatories. For a statement of the methods adopted in recording and tabulating the data, for each of the elements of observation, reference should be made to the introductory portion of the review for January.

Summary of the chief features of the weather in India during the month of October, 1907.

2. October like September was characterized by the general weakness and gradual retreat southward of the monsoon so that by the end of the month rainfall was confined to south Burma and the south of the Peninsula.

Two cyclonic storms formed in the Bay during the month and the first was the cause of heavy rain over the whole of Burma, while the second gave good rain in south Burma. Burma was thus the only large political division that received more than the normal amount of rain, and in Malabar and south east Madras the total fall was not much below the average but in the rest of India the deficiency was very large and in the United Provinces, Central India, the Central Provinces and Hyderabad no rain fell during the month; this in view of the previous drought was important as these areas usually receive a fair amount of rain. In north west India, there was also no rainfall but the normal amount is quite insignificant.

Except in Burma and south India where monsoon conditions prevailed during the month temperature during the daytime was in excess, the excess being large in the United Provinces and the central parts of the country, and in these areas in consequence of the total absence of rain the air was much drier than usual and the skies comparatively free from cloud; in north east India the cloud proportion at 8 hrs. was also in large defect.

Solar, seismic and magnetic disturbances.

KODAIKANAL OBSERVATORY.

3. *Solar Observations.*—The sun was observed for spots and faculæ on all the days except on the 3rd and 25th. Prominences could not be recorded on 7 days.

Spots.—There were 30 spot groups observed during the month of which two were returns of those seen in September. The daily average number was 4·9 as against 6·0 in the preceding month. The large spots of the month were numbers 1,267, and 1,273. The former came round the east limb on the 9th and was growing for the next 4 days after which it began to decrease in size; this continued until it disappeared round the west limb on the 21st. Number 1,273 was the return of 1,242 which was rapidly

developing when it disappeared at the western edge on the 30th September. It reappeared still as a long train with the chief spot leading and traversed the solar disc from the 15th to 27th. On several occasions the hydrogen lines were seen reversed close to the spot.

The distribution of spots in latitude was as follows:—

	0-10	10-20	20-30	Total.
North	10	7	-	17
South	4	6	3	13

Prominences.—There were 39 large prominences observed in October of which 8 were about 2 minutes high. The tallest recorded was on the 30th and was 150" high.

Magnetic disturbances:—Moderate magnetic disturbances were recorded from the 13th to 16th and from the 22nd to 23rd.

J. EVERSHED.

Ag. Director,

Kodaikanal and Madras Observatories.

COLABA OBSERVATORY.

Note on the Alibag magnetic record.

4. During the month the traces showed 9 calm days, 16 days of small, and 6 days of moderate disturbance.

The days of the month selected as "quiet" are the 5th, 7th, 18th, 19th and 31st.

The mean observed absolute values of the several elements as also the ranges and the summed ranges of the Horizontal Force and Declination for the month are as follow:—

Easterly Declination	1° 2′ 12″
Horizontal Force	0.36866 C.G.S. unit.
Dip	23° 16′·8
Horizontal Force Range	0.00052 C. G. S. unit.
Horizontal Force Summed Range	0′·00307 " "
Declination Range	2″·92
Declination Summed Range	10″·40

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

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

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

Seismic Disturbances recorded at Colaba.

Five seismic disturbances were recorded during the month on the 4th, 11th, 16th, 21st, and 27th, that recorded on the 21st being the largest.

List of seismic disturbances.

Date.	Commence.	Max.	End.	Max. displacement from mean position. in mm.	Duration.
	H. M.	H. M.	H. M.		H. M.
October 4	10 41·1	10 51·7	11 35·5	2·1	0 54·4
11	14 52·1	15 23·4	Lost in shifting time.	0·9	...
16	14 58·8	Lost in shifting time	16 14·5	...	1 15·7
21	4 22·6	Traces. overlap.	6 58·3	...	2 35·7
27	5 24·8	5 30·2	5 59·2	3·1	0 34·4

All times given above denote G. M. T.

N. A. F. MOOS,

Director, Government Observatories, Bombay and Alibag.

CALCUTTA OBSERVATORY.

5. *List of displacements recorded by the Milne seismograph at the Alipore Observatory during October 1907.*

Date 1907.	P. T. Commencement.	L. W. Commencement.	Maximum.	End.	Duration.	Maximum displacement on trace from mean position.	REMARKS.
	G. M. T.	G. M. T.	G. M. T.	G. M. T.		mm.	
	H. M.	H. M.	H. M.	H. M.	H. M.		
4th Oct.	10 38·1	10 50·8	11 2·5	11 40·8	1 2·7	1·75	
11th "	14 40·0	14 49·2	44 50·7	15 59·9	1 19·9	0·75	
21st "	4 30·0	*		6 59·4	2 29·4	*	Sensibility 1 mm. 0.38" of tilt.
27th "	5 21·8	5 26·3	5 31·4	6 21·8	1 0·0	3·00	

*Time of maximum and maximum displacement on trace from mean position m.m. cannot be determined as the boom moved throughout the trace several times.

C. W. PEAKE,

Meteorologist, Calcutta.

SIMLA OBSERVATORY.

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

Date.	Commencement of 1st P. T. G.M.T.	Commencement of 2nd P. T. G.M.T.	Beginning of L. W. G.M.T.	Time of maximum amplitude. G.M.T.	End approximately G.M.T.	Duration.	Maximum displacement of style.	Remarks.
1907. October	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	mm.	
5th.	...	...	7 54·7	7 55·0	7 58·1	...	2·5	Local.
21st	4 26·5	...	4 29·1	4 32·1	...	...	Struck stops.	...
,,	4 46·9	...	4 49·3	4 51·7	...	...	Do.	* Karatag.
,,	6 0·2	...	...	6 2·2	...	...	0·5	Bokhara.
,,	6 22·2	...	...	6 15·0	...	...	2·5	(Central Asia).
,,	...	...	...	...	6 38·4	2 11·9	...	...
,,	...	...	18 23·0?	...	18 25·0?	...	·2	...
25th	...	...	0 6·5	...	0 9·2	...	...	Tremor.
26th	...	...	2 23·1	...	2 25·9	...	...	Do.
29th	5 18·9	5 20·8	5 22·0	5 22·8	5 50·0	0 31·1	30	Origin unknown but about 600 miles from Simla.
30th.	...	...	17 43·3	...	17 44·7	...	...	Tremor.

* The record shows distinctly that there were two severe shocks in Bokhara, the second occurring about 20 minutes after the first, and it would appear as if the two shocks occurred nearly in the same place or at any rate at the same distance from Simla. These of the after shocks which invariably follow a big earthquake were intense enough to be registered on the seismograph.

Slight earthquakes occurred at Oghi (Hazara district, North-west Frontier Province), on the 21st at 4 hrs. 30 min. and 4 hrs. 45 min. G. M. T. and again on the 30th. at 2 hrs. 19 min. G. M. T.

J. PATTERSON,

Imperial Meteorologist, Simla.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

7. *Solar observations.*—Observations were taken on every day except the 13th, 16th, 17th, 20th, 27th and 28th, groups of sunspots being seen throughout. They were especially numerous between the 1st and 12th and faculæ were visible on each day of observation:—

Magnetic Disturbances.

Day.	Time.	Disturbance.
1st	11½ h. to 21½ h.	Wave in H. F. (−88) in Deel occasional undulations.
2nd to 3rd	23½ h. to 3½ h.	Two successive waves in H. F. (+10) and (+14).
9th	2 h. to 3 h.	Wave in H. F. (+27).
10th	½ h. 2 h.	Wave in H. F. (+7).
11th	1½ h. to 3 h.	Wave in H. F. (+8).
12th	½ h. to 1½ h.	Wave in H. F. (+14).
13th to 15th	11 h. to 11 h.	
16th to 17th	15 h. to 1 h.	Long wave in H. F. (−32).
17th	20 h. to 21 h.	Wave in H. F. +11.
22nd to 23rd	5 h. to 5 h.	
23rd to 24th	21 h. to 1 h.	Two successive wave in H. F. (+10) and (+12).
25th to 26th	8 h. to 0 h.	Occasional small fluctuations in H. F. (±5).
27th	14 h. to 19 h.	Steady decrease of H. F. (83) followed by an increase (34) from 20 h. to 20½ h. and a further increase (30).
28th to 29th	1 h. to 2 h. to 10 h. to 21½ h.	Small rapid fluctuations in H. F. followed till 30th 1 h. by double wave (−12 to +13).

T. F. CLAXTON,

Director.

Weather in the Indian monsoon region.

8. The distribution of pressure in the Southern Indian Ocean was very much the same as in September, being in defect at Mauritius and normal at Zanzibar and Seychelles, while winds were approximately normal, both in direction and strength at all three stations. Rainfall was in defect, especially at Zanzibar.

	Mauritius.	Zanzibar.	Seychelles.
Departure from normal of mean pressure.	−·025	−·006	+·005
Actual mean wind direction	S 85 E	S 14 E	S 39 E
Normal mean wind direction	S 78 E	S 6 E	S 39 E
Actual mean wind velocity (miles per diem).	245	119	159
Normal mean wind velocity (miles per diem).	264	120	191
Rainfall departure from normal	−0·93	−2·03	−0·82

Depressions and cyclonic storms.

9. A large area of low pressure appeared over the south of the Bay on the 1st and during its development which lasted until the 3rd rainfall in south Burma and the south of the Peninsula increased materially. On the

latter date it became heavy in Tenasserim and parts of the south Madras Coast, and as the area of low pressure now a shallow depression, moved northward, it carried rainfall into Upper Burma but at the same time rainfall decreased in south India and had almost ceased by the morning of the 5th. On this date the depression reached the head of the Bay and had disappeared by the morning of the 7th, probably in the neighbourhood of Chittagong as it prevented moist winds from penetrating into north east India and only gave rain locally in deltaic Bengal on the 6th. In Burma, however, the monsoon continued active for some days after all trace of the depression had disappeared.

On the 11th a fall of the barometer at Mergui and the direction of the wind in the Bay Islands indicated the approach of a depression from the east: this depression travelled rapidly in a west north-westerly direction and appeared off the south Circars Coast on the 15th. It is very probable that it was elliptical in shape and as each part of it reached the coast it filled up, and thus the depression seemed to move southward along the coast. In the immediate vicinity of the depression there was light to moderate rainfall, but beyond this Zone it did not affect the weather.

The first cold weather depression of the season began to affect Kashmir on the 12th; it seems to have taken a very northerly course for the barometer fell over four-fifths of an inch at Meshed, but was not much affected at the other stations to the west. It gave light rain at Ispahan Meshed and Kabul, but on entering India it encountered more favourable condition and gave numerous thunderstorms with hail and rain in the Punjab hills and Kashmir; in the latter area snow also occurrd at elevations above 8,500 ft. although it is not unusual for snow to occur so early in the season on the higher peaks it is very seldom that it occurs as low down as it did this year.

A second depression of the cold weather type appeared over Persia on the 15th when rain began to fall at Tehran and Ispahan; it proved to be a very extensive disturbance and on the 20th the area in which rain was falling extended from Baghdad to Meshed, but as the depression moved eastward the precipitation was confined almost entirely to Afghanistan and Kashmir: at Kabul and in the Chitral district heavy snow fell during this period and on the Sowarai pass the drifts were in place 6 feet deep. In other parts of Kashmir light snow fell on the higher hills and light rain in the valleys. The depression passed out of the Indian region on the 25th and was followed by a cold wave of considerable severity which passed right across northern India to Assam.

Pressure.

10. Pressure in October was characterestic of the month, and the large area of low pressure which generally exists over the Bay at this time of the season was well marked. The barometer however was lower than usual in the North-West Frontier Province, the Punjab, the United Provinces and Bihar, but over the rest of India pressure was fairly normal. The area of low pressure in the centre of the Bay indicates that the retreating monsoon period had set in and instead of allowing the monsoon winds to penetrate into north-east India it directed the currents chiefly to Burma and the south of the Peninsula.

At the level of all the hill stations pressure was normal and the vertical pressure gradient was thus not as steep as usual in the extreme north, a condition not generally considered as conducive to winter snowfall in Kashmir.

The following tables give the pressure data for the 14 meteorological provinces and the character of the vertical pressure gradients at a number of pairs of associated plains and hill stations.

Division.	Departure from normal or mean 8 hrs. pressure.
	"
Burma	—·012
Eastern Bengal and Assam	—·011
Bengal	—·010
United Provinces	—·020
Punjab	—·028
North-West Frontier Province	—·042
Sind	+·005
Rajputana	—·003
Bombay	+·002
Central India	—·004
Central Provinces	+·004
Hyderabad	+·006
Mysore	—·001
Madras	—·002

Hill Station.	Departure from normal pressure. A.	Plain Station.	Departure from normal pressure B.	Departure of pressure difference. B.—A.
	"		"	"
Quetta	—·003	Jacobabad	—·002	+·001
Leh	+·005	Lahore	+·041	—·046
Murree	—·008	Peshawar	—·054	—·046
Simla	—·004	Ludhiana	—·016	—·012
Chakrata	—·008	Roorkee	+·017	—·015
Darjeeling	—·005	Dhubri	—·018	—·013
Mount Abu	—·010	Deesa	+·001	+·011
Pachmarhi	+·008	Khandwa	0	—·008

Temperature.

11. In Burma and the south of the Peninsula where monsoon conditions prevailed during a large part of the month temperature was normal and in north west India where the rainfall is generally insignificant the maximum was also normal, but over the rest of India maximum temperature was in excess. The excess was greatest in the United Provinces and the central parts of the country, and at Allahabad, Akola and Malegaon it amounted to over 7°. The minimum temperature, however, varied irregularly from the normal and was in defect in an area extending from Gorakhpur to False Point and Chandaw in west Gujarat and adjacent districts of Sind; while it was higher than usual in the tract of country extending from Pachpadra and Ajmer to Jhansi and Saugor.

During the first three weeks of the month the temperature conditions were fairly constant over the country and in the United Provinces and central parts of the country the maximum did not fall below normal, but the cold weather depression which entered India on the 21st was followed by a well marked cold wind which travelled right across northern India and caused the disappearance of the excessive temperature.

In the appended tables the temperature conditions are given for the 34 divisions and the 14 provinces.

Sub-division.	Actual temperature.					Departure from normal of month of		
	Mean maximum.	Mean minimum.	Monthly mean of mean between maximum and minimum.	Mean daily range of temperature.	Absolute range during month.	Maximum.	Minimum.	Daily range.
	°	°	°	°	°	°	°	°
1. Bay Islands	85·5	76·3	80·9	9·2	15·2	−1·7	−0·9	− 0·8
2. Lower Burma	86·8	75·5	81·2	11·3	18·6	−1·1	+0·7	− 1·8
3. Upper do.	88·9	71·8	80·4	17·1	31·8	−1·0	−0·1	− 0·9
4. Assam	86·7	70·1	78·4	16·7	27·7	+0·3	−1·1	+ 1·4
5. Eastern Bengal	88·4	72·1	80·3	16·3	26·6	+1·6	−0·7	+ 2·3
6. Bengal	91·7	72·5	82·1	19·2	31·6	+3·4	−0·6	+ 4·0
7. Orissa	91·6	72·1	81·8	19·6	31·5	+3·1	−1·9	+ 5·0
8. Chota Nagpur	91·8	67·4	79·8	24·4	37·0	+5·1	+0·5	+ 4·6
9. Bihar	92·2	70·4	81·3	21·8	35·0	+3·4	−1·0	+ 4·4
10. United Provinces East	96·2	66·4	81·3	29·8	44·8	+5·9	−1·0	+ 6·9
11. Do. do. West	94·6	64·7	79·7	29·9	43·8	+4·5	+0·3	+ 4·2
12. Punjab East and North	94·8	63·1	79·0	31·7	47·6	+2·3	+1·5	+ 0·8
13. Do. South-West	96·9	64·2	80·6	32·8	50·7	+1·6	+1·3	+ 0·3
14. Kashmir	63·4	38·1	50·7	25·3	43·4	+0·7	+1·6	− 0·9
15. North-West Frontier Province	92·6	60·3	76·5	32·3	50·5	+1·4	+1·4	°
16. Baluchistan	76·8	49·4	62·9	27·3	54·9	−0·3	−0·1	− 0·2
17. Sind	95·6	67·1	81·4	28·5	48·7	−0·5	−0·7	+ 0·2
18. Rajputana West	96·0	66·0	80·9	30·0	48·3	−1·4	−2·1	+ 0·7
19. Do. East	95·2	65·9	80·6	29·3	42·7	+1·8	+1·6	+ 0·2
20. Gujarat	94·6	69·4	81·9	25·2	37·9	+1·8	−1·5	+ 3·3
21. Central India West	93·6	65·0	79·4	28·6	39·4	+4·5	+1·0	+ 3·5
22. Do. East	93·9	65·1	79·5	28·8	41·2	+4·8	−0·4	+ 5·2
23. Berar	97·5	69·2	83·4	28·3	41·3	+6·5	+2·0	+ 4·5
24. Central Provinces West	94·4	65·6	80·0	28·8	42·2	+5·7	−0·4	+ 6·1

Sub-division.	Actual temperature.					Departure from normal of month of		
	Mean maximum.	Mean minimum.	Monthly mean of mean between maximum and minimum.	Mean daily range of temperature.	Absolute range during month.	Maximum.	Minimum.	Daily range.
	°	°	°	°	°	°	°	°
25. Central Provinces East	91·5	65·5	78·5	26·0	38·8	+3·4	−3·3	+ 6·7
26. Konkan	87·8	76·5	82·2	11·3	20·3	+1·3	+1·5	— 0·2
27. Bombay Deccan	92·8	67·2	80·0	25·6	38·3	+4·7	+0·9	+ 3·8
28. Hyderabad North	92·2	68·8	80·5	23·4	35·4	...	...	...
29. Hyderabad South	93·4	69·4	81·4	24·1	34·7	+5·1	−0·5	+ 5·6
30. Mysore	85·0	66·0	75·5	19·0	26·8	+2·1	−0·1	+ 2·2
31. Malabar	85·7	75·4	80·6	10·3	15·5	+0·5	+1·3	— 0·8
32. Madras South-East	89·6	74·4	81·9	15·2	26·8	0	+0·6	— 0·6
33. Madras Deccan	95·5	74·4	83·5	24·0	34·0	+4·6	−0·7	+ 5·3
34. Madras Coast North	90·6	74·8	82·7	15·8	28·2	+2·1	−0·9	+ 3·0

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

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

Winds.

12. Light airs and calms prevailed over Burma and northern India but the directions of the winds which are usually very variable were more constant than they generally are, and in the Punjab and Rajputana the air movement was somewhat greater than usual. In Bombay the winds were decidedly weak in keeping with the character of the Arabian Sea monsoon, but in other parts the strength of the wind did not depart appreciably from the normal and the directions were less variable than usual.

Division.	Departure from normal of	
	Hourly wind velocity.	Wind steadiness.
Burma	−0·1	•
Eastern Bengal and Assam	−0·3	+5
Bengal	−0·1	+13

Division.	Departure from normal of	
	Hourly wind velocity.	Wind steadiness.
United Provinces	0	+4
Punjab	+0·5	+5
North-West Frontier Province	−0·2	+9
Sind	−0·9	+12
Rajputana	+0·8	+1
Bombay	−1·2	+1
Central India	−0·8	+25
Central Provinces	−0·4	+9
Hyderabad	−0·9	+24
Mysore	−0·5	8
Madras	+0·3	+4

Humidity and cloud.

13. In addition to the absence of monsoon conditions there was very much less moisture in the air than usual in the United Provinces, Central India, the Central Provinces and Hyderabad, but as weather was much warmer than usual in these areas the deficiency in relative humidity was greater than in the actual amount of moisture in the air. In the Punjab and the North-West Frontier Province the air was also drier than usual though to a much less extent than in the other areas, and over the rest of the country humidity was normal.

The amount of cloud was much less than usual in north-east India, the United Provinces, Rajputana, Bombay, Hyderabad, and Mysore, in all of which areas rainfall was in large or very large defect.

Division.	Hygrometry; 8 hours.				Cloud.	
	Mean humidity.	Departure from normal.	Mean vapour tension. in inches of mercury.	Departure from normal in inches of mercury.	Mean. cloud amount at 8 hrs.	Departure from normal.
	%		"	"		
Burma	89	+2	·848	—·002	5·9	+0·9
Eastern Bengal and Assam.	85	—3	·806	—·019	1·9	—2·2
Bengal	75	—5	·721	—·044	1·8	—1·9
United Provinces	54	—16	·480	—·106	0·3	—0·9
Punjab	46	—9	·385	—·033	0·6	0
North-West Frontier Province	51	—8	·383	—·012	0·9	+0·2
Sind	60	+2	·555	+·024	1·2	+0·5
Rajputana	49	0	·43	+·004	0·2	—0·8
Bombay	65	—7	·643	—·027	1·9	—1·0
Central India	49	—13	·455	—·078	1·3	—0·2
Central Provinces	50	—16	·475	—·111	1·9	—0·5
Hyderabad	53	—16	·536	—·112	2·5	—1·0
Mysore	76	—5	·623	—·017	4·8	—1·8
Madras	78	—3	·787	—·023	5·1	—0·4

Rainfall.

14. The monsoon which commenced to withdraw from India during the last week of August continued its retreat during September, and by October was chiefly confined to Burma and the south of the Peninsula; the most of the rainfall during the month thus occurred in these two areas. The depression which developed and advanced to the head of the Bay in the first ten days of the month caused general and heavy rain over Burma and almost the only rain that occurred in deltaic Bengal and Assam fell when the disturbance reached north east India. The second depression which travelled in a westerly direction from south Tenasserim across the Bay from the 11th to the 17th induced a good burst of rain over south Burma, but it did not extend to any appreciable distance into Upper Burma. In the Peninsula where the retreating monsoon usually gives fairly heavy rain there was a very large deficiency except in Malabar and south east Madras: these areas received nearly the normal amount but in Hyderabad no rain fell although it generally receives nearly 3 inches during this month. In the east of the United Provinces and in the Central Provinces occasional periods of wet weather are common during October and about two inches of rain fall in normal years, but owing to the early withdrawal of the monsoon no rain fell. The cold weather disturbances began very early and in Kashmir they were the cause of considerable precipitation. Over the rest of the country the weather was almost uniformly dry throughout the month but that is the normal condition for October.

Province.	Rainfall October 1907.			
	Actual.	Normal.	Departure from normal.	Percentage departure.
	"	"	"	
Burma	7·11	5·58	+1·53	+27
Eastern Bengal and Assam	1·83	5·09	—3·26	—64
Bengal	0·41	3·53	—3·12	—88
United Provinces	0	1·32	—1·32	—100
Punjab	0·01	0·22	—0·21	—95
North-West Frontier Province	0·12	0·26	—0·14	—54
Sind	0	0·02	—0·02	—100
Rajputna	0	0·17	—0·17	—100
Bombay	0·35	2·84	—2·49	—88
Central India	0	0·94	—0·94	—100
Central Provinces	0·01	1·78	—1·77	—99
Hyderabad	0·02	2·80	—2·78	—99
Mysore	2·25	5·48	—3·23	—59
Madras	4·55	7·11	—2·56	—36
Mean of India when the size of the above areas is taken into account.	1·49	2·92	—1·43	—49

Sub-division.	Number of rainy days.		Rainfall.			
	Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
			Inches	Inches.	Inches.	
1. Bay Islands	15·0	14·2	10·61	8·94	+1·67	+19
2. Lower Burma	12·5	9·5	10·17	6·93	+3·24	+47
3. Upper do.	6·0	6·2	4·60	4·45	+0·15	+ 3
4. Assam	3·7	6·2	1·70	5·08	—3·38	—67
5 Eastern Bengal	2·8	5·0	1·96	5·10	—3·14	—62
6. Bengal	1·1	4·6	0·52	3·85	—3·33	—86
7. Orissa	1·6	5·9	1·03	5·39	—4·36	—81
8. Chota Nagpur	0·1	3·8	0·02	2·77	—2·75	—99
9. Bihar	0·2	2·8	0·12	2·59	—2·47	—95
10. United Provinces East	0	1·6	0	1·87	—1·87	—100
11. Do. do. West	0	0·7	0	0·69	—0·69	—100
12. Punjab East and North	0·1	0·5	0·02	0·26	—0·24	—92
13. Do. South-West	0	0·1	0	0·06	—0·06	—100
14. Kashmir	1·5	1·5	0·52	0·69	—0·17	—25
15. North-West Frontier Province	0·4	0·6	0·12	0·26	—0·14	—54
16. Baluchistan	0	0·2	0	0·06	—0·06	—100
17. Sind	0	0	0	0·02	—0·02	—100
18. Rajputana West	0	0·1	0	0·07	—0·07	—100
19. Do. East	0	0·4	0	0·20	—0·20	—100
20. Gujarat	0	1·1	0	0·83	—0·83	—100
21. Central India West	0	0·9	0	0·61	—0·61	—100
22. Do. do. East	0	1·7	0	1·58	—1·58	—100
23. Berar	0·1	2·3	0·02	1·76	—1·74	—99
24. Central Provinces West	0	2·3	0	1·70	—1·70	—100
25. Do. do. East	0	2·7	0	1·95	—1·95	—100
26 Konkan	1·7	6·1	0·93	4·49	—3·56	—79
27. Bombay Deccan	0·7	5·1	0·37	3·53	—3·16	—90
28. Hyderabad North	0	3·7	0·01	2·60	—2·59	—100
29. Do. South	0·2	4·6	0·04	2·98	—2·94	—99
30. Mysore	3·5	8·1	2·25	5·48	—3·23	—59
31. Malabar	10·5	12·0	8·63	9·76	—1·13	—12
32. Madras South-East	7·7	8·8	6·33	7·18	—0·85	—12
33. Do. Deccan	2·7	6·4	0·89	4·68	—3·79	—81
34 Do. Coast North	2·3	7·3	2·09	7·24	—5·15	—71

Snowfall.

I.—AFGHANISTAN.

15. A severe snow storm occurred at Kabul on the 21st. The fall measured about 2 feet in depth.

II.—THE NORTH-WEST FRONTIER PROVINCE.

Snowstorms occurred in Chitral on the 11th, 12th and 22nd. The fall of the 22nd was very heavy and occurred down to 5,000 feet.

III.—KASHMIR.

Information regarding this region is scanty but suffices to show that the snowfall there was about normal in amount.

Heavy falls are reported to have occurred from the 12th to the 14th on the Taghdumbash Pamir and the Killik and Mintaka passes.

IV.—PUNJAB.

Kilba.—Light snow fell on the 13th. The snowline descended to a level of 10,000 feet where the total fall was estimated at 4 inches.

Name of Pass.	Depth of accumulation at the end of the month.	
	Reported.	Normal.
Rupin Pass	1½ feet	4 feet
Brua „	1½ „	4½ „
Harang „	½ foot	Nil.
Shatul „	1 „	3½ feet
Buldar „	1½ feet	3½ „
Runang „	1 foot	1 foot

All the passes were open.

V.—THE UNITED PROVINCES.

Occasional snowstorms occurred. The total quantity measured 10 feet on the Nuwe pass, 2½ feet in Byans, 1½ feet in Chandas and 1 foot in Malla Johar. The falls were almost confined to the high peaks and ranges.

Name of Pass.	Depth of accumulation at the end of the month.	
	Reported.	Normal.
Unta Dhura	8½ feet	9½ feet
Ralam „	3½ „	7 „
Nuwe Pass	24 „	21 „
Binkaru „	10½ „	11 „
Lampia „	2½ „	5½ „
Lipu Lekh „	2 „	2 „

16.—SUMMARY.

(*a*) Heavy snow fell in Afghanistan and Chitral about the 21st down to unusually low levels.

(*b*) The fall was approximately normal in Kashmir.

(*c*) In Almorah the snowfall, although very unevenly distributed, was on the whole fairly normal in quantity.

Crop report.

17. *Burma.*—The condition of the standing crops was on the whole good in Lower Burma and fair in Upper Burma, though crops were poor in parts and in the unirrigated tracts of Mandalay rain was much required.

Eastern Bengal and Assam.—More rain was greatly needed both for winter rice and for spring crops. Prospects of jute and tea were fair to good.

Bengal.—The prospects of winter rice were getting worse owing to the continued absence of rain and the crop was withering on high lands and in unirrigated tracts. Rain was also needed for other standing crops, and spring sowing were seriously retarded.

United Provinces.—Owing to want of rain prospects were daily becoming more serious. The autumn crop was badly damaged and over a large tract three-quarters of it was probably wholly lost.

Punjab.—The prices of wheat and other food grains were high due to large exports, the failure of the autumn crop and the early cessation of the monsoon rains. Unirrigated crops were a general failure and irrigated crops had also suffered and their outturn was below average.

The North-West Frontier Province.—Rain was badly wanted all over the province and in Peshawar crops in unirrigated areas were withering. Sowings of spring crops were in progress, but were retarded in unirrigated areas for want of rain.

Jammu and Kashmir.—Harvesting of autumn crops was in progress, but the condition of standing crops was bad for want of rain.

Rajputana.—The autumn crops were being harvested, the estimated outturn being from quarter to slightly above half the normal. Spring sowings were started in a few places.

Central India.—Spring sowings were in progress but were confined chiefly to irrigable lands. Unirrigated autumn crops were seriously damaged by continued drought except in Malwa.

Bombay.—Rain was generally needed for spring seedlings and for further sowings; standing crops were withering in parts and prospects were gloomy over a large area.

Hyderabad.—The standing spring crops were withering in parts and rain was very urgently needed.

Mysore.—The prospects of the season were good but rain was badly wanted throughout the province and standing crops were withering in parts.

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

Madras.—The standing crops were generally fair but some were withering and required more rain. Harvests continued with outturn poor to normal.

I. PATTERSON.

TABLE A.—Abstract of observations taken at 10 hrs. and 16 hrs. at 38 stations, in India, etc., in October, 1907.

Table

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

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure.						Temperature of air.										Temperature, Wet-bulb.			
			Mean of 10 hrs.	Mean of 16 hrs.	Mean daily range.	Mean of daily mean pressures.	Departure from normal.	Mean reduced to S. L. and gravity, 45° Lat.	Mean maximum.	Mean minimum.	Mean daily range.	Highest maximum.	Lowest minimum.	Absolute range.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of three previous columns.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	I.—Burma.																					
2	Rangoon . .	36	29·892	29·770	·122	29·835	—·017	29·808	86·7	76·3	10·4	89·8	71·8	18·0	83·6	83·5	79·8	−0·2	71·8	78·2	77·6	76·9
	III.—Bengal.																					
6	Calcutta . .	21	·890	·771	·119	·827	—·013	·793	90·7	74·2	16·5	93·8	69·8	29·0	85·8	83·5	81·9	+1·9	72·2	77·0	76·4	75·2
	IV.—United Provinces of Agra and Oudh.																					
10	Allahabad . .	309	·579	·461	·118	·513	—·043	·772	97·2	66·5	30·8	101·8	56·2	45·6	88·1	95·4	80·4	+2·8	60·4	67·8	67·7	65·3
11	Dehra Dun . .	2,293	27·667	27·580	·087	27·614	—·038	·792	87·4	60·6	26·8	91·6	53·7	37·9	78·4	83·3	73·2	+2·5	54·3	63·2	65·2	60·9
	V.—Punjab.																					
12	Lahore . .	702	29·160	29·065	·095	29·101	—·048	·765	96·8	62·4	34·4	104·6	51·1	53·5	84·4	95·0	78·2	+2·5	56·3	65·7	69·3	63·8
	VIII.—Rajputana.																					
19	Jaipur . .	1,431	28·504	28·402	·102	28·447	—·012	·813	96·1	64·7	31·4	100·2	55·2	45·0	88·2	94·2	79·1	+1·2	54·7	65·5	66·4	62·2
	Udaipur . .	1,925?	·026	27·926	·100	27·971		·815	93·7	62·8†	30·9	97·5	56·2	41·3	86·7	92·1	78·2†		56·9	66·4	68·9	64·1
	IX.—Bombay.																					
26	Bombay . .	37	29·896	29·791	·105	29·841	−·006	·817	88·6	77·5	11·1	92·8	73·8	19·0	82·9	85·3	81·7	+1·0	74·6	77·4	78·7	76·9
	XI.—Central Provinces.																					
22	Buldana . .	2,132	27·831	27·718	·113	27·769	—·003	·801	91·8	70·9	20·9	94·7	63·6	31·1	87·1	90·2	80·3	+4·6	58·8	65·6	65·6	63·3
24	Nagpur . .	1,017	28·920	28·788	·132	28·855	+·012	·819	95·4	67·0	28·4	98·3	55·6	42·7	86·3	93·1	80·3	+1·9	61·5	69·4	69·9	66·9
	XII.—Hyderabad.																					
29	Hyderabad . .	1,690	·247	·130	·117	·191	+·015	·803	92·4	67·8	24·6	95·4	60·5	34·9	86·1	89·0	79·0	+2·2	62·4	67·8	67·5	65·9
	XIII.—Mysore.																					
30	Bangalore . .	3,021	26·952	26·848	·104	26·901	−·006	·798	84·2	64·9	19·3	87·3	59·9	27·4	78·7	80·7	73·1	+1·3	62·3	67·6	66·8	65·6
	Mysore . . .	2,518	27·448	27·322	·126	27·386	—·008	·805	85·2	67·1	18·2	89·0	63·3	25·7	79·1	82·8	74·8	+0·7	64·7	69·5	68·5	67·6
	XIV.—Madras.																					
32	Periyakulam .	944	28·950	28·818	·132	28·881		·757	88·7	72·3	16·4	92·8	67·4	25·4	82·4	85·0	80·5		68·9	73·3	73·7	72·0
	Pudukkottai .	318	29·605	29·479	·126	29·542		·790	90·1	75·4	14·	98·3	71·6	26·7	83·9	86·9	82·8		72·7	75·8	76·1	74·9
	Madras . .	22	·897	·788	·109	·848	+·003	·801	88·6	75·3	13·3	99·3	71·4	27·9	84·2	84·8	80·7	−0·1	74·2	78·0	77·4	76·5
	Station in the Bay.																					
1	Port Blair . .	61	·871	·767	·104	·821	+·003	·813	85·2	76·4	8·8	88·6	73·6	15·0	82·3	81·7	79·5	−1·3	74·3	78·1	77·1	76·5
	Kashmir.																					
18	Srinagar . .	5,204	24·984	24·882	·102	24·931	−·004	24·902	70·7	42·4	28·3	82·7	36·6	46·1	57·3	68·7	55·0	+1·8	39·6	53·4	62·9	52·0
	Leh . . .	11,503	19·786	19·690	·106	19·734	+·001	19·703	58·6	30·9	27·7	66·4	24·9	41·5	48·1	53·7	43·2	+0·5	26·8	35·1	37·2	33·0
	Baluchistan.																					
28	Quetta . .	5,503	24·734	24·653	·071	24·690	+·001	24·650	75·4	39·5	35·9	88·7	26·3	60·4	66·8	71·4	57·5	+1·0	36·3	48·1	49·9	44·8

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

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

A.

38 stations, in India, etc., in October, 1907.

Vapour Tension in inches of mercury.					Humidity.				Cloud.			Wind Direction.										Wind Steadiness.		Wind Velocity.		Rainfall.		Station.	Number of subdivision.
												Total number of 10 hrs. and 16 hrs. winds from																	
From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean 10 hrs.	Mean 16 hrs.	Mean of two previous columns.	Departure from normal.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Mean wind direction.	Normal wind direction of month.	Average percentage.	Normal percentage.	Mean velocity in miles per diem.	Normal.	Total rainfall for the month.	Heaviest rainfall during the month.		
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
																									%	%					I.—Burma.	
·850	·900	·875	·891	—·014	93	78	77	88	— 1	6·0	6·3	6·2	+0·3	6	5	14	5	8	19	1	3	1	S 59° E	S 36° E	31	30	40°	70	9·16	2·50	Rangoon.	2
																															III.—Bengal.	
·778	·815	·754	·801	—·015	91	66	56	74	— 8	2·2	2·5	2·4	—2·2	3	5	5	6	6	4	18	4	11	S 67° W	N 18° W	19	11	75	67	1·08	1·02	Calcutta	6
																															IV.—United Provinces of Agra and Oudh.	
·454	·417	·313	·396	—·221	68	31	19	42	—24	0·6	0·5	0·6	—1·6	13	3	2	1		1	4	25	13	N 74° W	N 18° W	58	19	61°	71	0	0	Allahabad.	10
·347	·397	·402	·385	—·066	65	40	35	52	—14	0·5	0·2	0·4	—0·9	17	1	3	4	7	19	8	3		S 5° E	N 42° W	43	19	26	31	0	0	Dehra Dun.	11
																															V.—Punjab.	
·383	·389	·377	·390	—·055	67	33	23	45	— 7	1·0	0·7	0·9	+0·1	21	3	2	3	5	4	2	11	11	N 75° W	N 9° W	21	11	48°	38	0·15	0·15	Lahore.	12
																															VIII.—Rajputana.	
·314	·351	·306	·328	—·074	50	26	18	35	—11	0·2	0·6	0·4	—1·3		8	4	2		3	8	17	20	N 63° W	N 27° W	58	38	84	74	0	0	Jaipur.	19
·404†	·403	·424	·423		69†	31	28	47		0·1	0·4	0·3		4	1	3	13	9	3	8	16	5	S 24° W		14		78°		0	0	Udaipur.	
																															IX.—Bombay.	
·820	·873	·902	·878	+·026	87	77	74	81	0	2·5	1·9	2·2	—0·9		2	10	7	4	2	1	11	25	N 31° W	N 9° E	40	32	165	218	0·67	0·65	Bombay.	29
																															XI.—Central Provinces.	
·352	·271	·233	·353	—·147	46	23	23	35	—24	3·1	4·0	3·6	0	2	12	11	2	4	8	3	4	16	N 16° W	N 24° E	31	50	119†	126	0·11	0·11	Buldana.	23
·484	·516	·448	·485	—·085	72	41	29	50	—11	1·8	2·7	2·3	—1·4	18	14	13	2	5	5		3	2	N 32° E	N 39° E	31	50	42°	94	0	0	Nagpur.	24
																															XII.—Hyderabad.	
·503	·455	·408	·464	—·170	73	36	30	50	—19	3·3	4·6	4·0	—0·2	32		22	5	2				1	N 55° E	S 31° E	42	32	55°	94	0	0	Hyderabad	29
																															XIII.—Mysore.	
·534	·554	·496	·543	—·066	86	57	49	67	—11	4·3	6·1	5·2			7	20	23	3			5	4	N 55° E	N	61	8	143°	113	1·09	0·53	Bangalore.	30
·585	·609	·521	·586	—·042	57	61	47	68	— 7	6·8	7·6	7·2	—0·1		4	14	17	6	1	6	9	5	N 61° E	N 63° E	28	12	158°	175	4·95	1·33	Mysore.	
																															XIV—Madras.	
·666	·699	·694	·677		84	63	57	68		5·8	8·3	7·1		9		2	3	14	10	18	4	2	S 7° W		48		47°		7·00	1·47	Periyakulam.	32
·780	·796	·761	·776		91	68	61	73		8·2	8·1	8·2		4	10	20		5	4		4	15	N 6° W		43		158°		2·81	0·95	Pudukkottai.	
·832	·879	·845	·867	+·011	95	76	72	83	0	5·5	6·4	6·0	0		18	13	7	4	6	2	3	9	N 19° E	N 54° E	40	20	120	115	11·72	4·59	Madras.	
																															Station in the Bay.	
·921	·906	·875	·880	—·047	90	82	81	86	— 2	7·7	8·0	7·9	+1·5	1			1	10	10	14	18	8	S 50° W	S 1° W	53	26	180°	151	10·41	1·71	Port Blair.	
																															Kashmir	
·214	·276	·526	·337	+·025	78	78	73	76‡	— 4	2·9	4·4	3·7	+1·0	16	11	5		4	7		3	16	N 26° W	N 23° W	28	18		72	1·14	0·44	Srinagar.	14
·114	·097	·085	·097	—·007	66	29	21	39	— 2	2·1	5·0	3·6	+0·4			1	1	1	6	12	37	4	S 76° W	S 60° W	76	45	66	48	0·15	0·14	Leh.	
																															Baluchistan	
·190	·149	·142	·158	—·024	76	22	19	40	— 2	0·1	0·4	0·3	—0·3	43	4						5	10	N 48° W	N 60° W	26	42	13°	48	0	0	Quetta.	16

* Corrected. ‡ Mean of three previous columns. † Mean of 30 days.

Table

Abstract of observation staken at 10 hrs. and 16 hrs. at

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure.						Temperature air.										Temperature, Wet-bulb.			
			Mean of 10 hrs.	Mean of 16 hrs.	Mean daily range.	Mean of daily mean pressures.	Departure from normal.	Mean reduced to S.L. and gravity, 45° Lat.	Mean maximum.	Mean minimum.	Mean daily range	Highest maximum.	Lowest minimum.	Absolute range.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of three previous columns.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	Hill. Stations excluding Kashmir and Baluchistan.																					
	Simla	7,224	23·194	23·144	·050	23·160	−·009	23·122	66·6	53·2	11·4	70·5	48·2	22·3	59·5	61·6	58·9	+2·2	43·1	46·6	48·1	45·9
	Sanain		·235	·177	·058	·188			67·4	43·7	23·7	72·0	36·9	35·1	61·0	62·9	55·6			46·0	47·8	
	Kalabagh		20·198	20·165	·033	20·174			49·0	37·9	11·1	52·3	31·5	20·8	44·8	46·3	43·5			34·4	36·1	
	Chakrata	7,022	23·362	23·304	·058	23·327	−·008	·287	72·2	52·1	20·1	76·5	44·5	32·0	64·9	65·2	62·2	+3·6	43·8	52·7	52·8	49·8
	Muktesar	7,556	22·948	22·884	·064	22·907		22·865	68·9	52·1	16·8	73·3	48·3	26·0	61·2	64·8	60·5		43·0	48·7	52·5	48·1
	Katmandu	4,388	25·709	25·605	·104	25·654	+·017‖	25·608	80·4	54·0	26·4	85·4	46·7	38·7	71·4	75·4	67·3	+0·4‖	52·3	63·2	64·2	60·0
	Darjeeling	7,376	23·084	23·042	·042	23·060	−·003	23·015	62·4	49·4	13·0	70·7	45·4	25·3	58·7	60·5	55·9	+0·7	46·3	55·5	57·8	53·2
	Pachmarhi	3,528	26·521†	26·435	·086	26·472	+·007	26·419†	83·9	58·21	25·7	87·5	44·9	42·6	78·8†	82·0	71·21	+2·3	52·31	62·2†	64·8	60·1
	Mount Abu	3,915	·119	·050	·069	·078	−·012	·029	78·9	64·6	14·3	82·7	58·6	24·1	75·7	77·0	71·8	+0·2	53·4	58·0	60·1	57·2
	Chikalda	3,642	·412	·316	·096	·358	+·008	·302	84·9	66·2	18·7	88·3	59·6	28·7	79·5	81·9	75·5	+1·3	58·0	64·0	65·3	62·4
	Ootacamund	*7,389*	23·077	22·996	·081	23·035		22·971	63·9	50·6	13·3	67·6	46·4	21·2	61·1	59·0	57·3		48·1	55·1	54·9	52·7
	Kodaikanal	7,688	22·851	·771	·080	22·811		·746	62·3	51·4	10·9	68·5	48·1	20·4	59·7	57·6	56·9		49·3	55·3	55·1	53·2
	Dodabetta	8,539	·054	21·981	·073	·018		21·959	57·3	48·0	9·3	60·5	45·4	15·1	55·0	52·9	52·7			50·8	50·9	
	Extra India.																					
	Minicoy	7	29·959	29·879	·080	29·924		29·857	86·9			90·1			84·3	83·0				78·6	77·5	
	Zanzibar	72	30·016	·897	·119	·962	−·006	·961	84·6	75·6	9·2	88·2	73·7	14·5	80·4	83·6	78·5	+0·8	71·6	75·2	74·8	73·9
	Diego Garcia**(a)		29·943	·854	·089	·899			83·2	76·5	6·7	85·6	74·5	11·1	80·2	79·8				75·9	75·7	
	Seychelles	15	29·994	·903	·091	·960	+·005‖	·899	82·5	76·6	5·9	84·3	73·5	10·8	80·9	81·4	78·2	+0·5‖	71·5	76·0	76·2	74·6
	Mauritius	181				·928	−·025	30·057				87·8	57·2	30·6			72·7	+0·6				66·2

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

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

(a) Uncorrected.

‡ Mean of 29 days. ‖ Departure from old normals. † Mean of 27 days.

** Observations of 9 hrs. and 15 hrs.

A—*concluded.*

38 stations, in India, etc., in October, 1907—concluded:

Vapour Tension, in inches of mercury.					Humidity.					Cloud.				Wind Direction.										Wind Steadiness.		Wind Velocity.		Rainfall.		Station.	Number of subdivisions.
														Total number of 10 hrs. and 16 hrs. winds from																	
From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean 10 hrs.	Mean 16 hrs.	Mean of two previous columns.	Departure from normal.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Mean wind direction.	Normal mean direction of month.	Average percentage.	Normal percentage.	Mean velocity in miles per diem.	Normal.	Total rainfall for the month.	Heaviest rainfall during the month.		
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
																															Hill Stations excluding Kashmir and Baluchistan.	
·176	·187	·198	·185	—·051	43	36	36	39	−14	1·1	1·3	1·2	−0·2	4	31	1		2	14	2	3	5	N 13° W	N 24° W	31	16	146°	108	0·34	0·34	Simla	
	·161	·181				30	32			0·9	1·1	1·0		10	1	6	1	3	11	21	4	5	S 38° W		39		85°		0·40	0·40	Sarain.	
	·113	·127				38	40			1·2	1·7	1·5		10	3			8		1	16	24	N 64° W		50		280°		0·03	0·03	Kalabagh.	
·202	·277	·275	·249	—·030	52	45	44	48	−12	0·6	0·6	0·6	−1·1	15				23	24				S 23° E	S 51° W	71	32	182°	149	0·20	0·20	Chakrata.	
·188	·213	·272	·221		47	40	44	45		0·9	1·7	1·3		19						1	42		S 89° W		60		167°		0	0	Muktesar.	
·377	·495	·481	·449	—·027	89	64	54	70	— 5	0·9	2·5	1·7	−2·3		1		14				47		N 88° W	S 86° W	53	34	11	16	0·01	0·04	Katmandu.	
·284	·411	·457	·382	+·012	80	83	86	84	— 1	5·2	6·4	5·8	−0·2	19	1	3		2		4	13	30	N 64° W	S 88° W	47	15	60°	79	0·24	0·24	Darjeeling.	
·355‡	·375†	·420	·384	—·045	72‡	38†	38	52	−10	0·6	0·6	0·6	−2·8	5	3	15	4	4		6	4	17	N 9° W	N 30° E	31	28	52°	77	0	0	Pachmarhi,§	
·283	·281	·329	·298	—·035	46	31	35	41	− 5	0·1	0·3	0·2	−1·6	2	2	3	2	1	6	24	9	13	S 71° W	N 46° W	52	13	115°	118	0	0	Mount Abu.	
·393	·421	·436	·418	—·040	60	42	40	50	−13	2·8	3·4	3·1	−0·3	20	9	8			1	12		12	N 39° W	N 3° E	29	40	167°	146	0	0	Chikalda.	
·314	·375	·391	·355		85	69	78	77		6·0	8·4	7·2		2	8	18	26	5	1	1		1	N 68° E		71		102°		7·98	2·07	Ootacamund.	
·334	·397	·412	·381		87	77	87	84		7·5	8·5	8·0			18	7	3	6	5	1	1	21	N 9° W		45		265		6·24	1·40	Kodaikanal.	
	·330	·343				76	82			7·2	8·6	7·9			25	25	6	2	1			3	N 28° E		78		432°		6·63	1·86	Dodabetta.	
																															Extra India.	
	·903	·871				77	77			5·5	6·5	6·0			13	5		1	4	4	13	17	N 53° W		56		141°		6·94	1·95	Minicoy.	
·727	·805	·785	·803	—·007	82	78	85	81	− 2	6·0	4·5	5·3	+0·2	2	4	1	1	9	23	16	3	3	S 14° E	S 6° E	56	47	119°	120	1·79	1·19	Zanzibar.	
	·840	·829				81	80			5·9	6·1	6·0			1		18	22	12	5	1	3	S 44° E		63		7		15·70	4·50	Diego Garcia.	
·709	·834	·839	·807	+·013	77	79	78	80	− 1	5·0	5·6	5·3	−0·91	9		2	9	25	11	3	2	1	S 39° E	S 39° E	60	51	159	191	4·18	1·67	Seychelles.	
			·547	—·005				68	− 2			6·6	+0·8										S 85° E	S 78° E			246	264	0·67	0·19	Mauritius.	

* Corrected.

§ Wind observations less 4.

Table B.—Abstract of observations taken at 8 hrs. at 237 stations in India, etc., in October, 1907.

(1) Provincial means.

(2) Data of stations.

(1) Provincial means based on the material in Table B (2) except that the statement of rainfall depends on the complete data of about 2,500 stations.

	Pressure departure from normal.	Temperature of air.								Wind.		Hygrometry.				Cloud.		Rainfall.		
		Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Absolute range during month.	Departure of velocity from normal.	Departure of steadiness from normal.	Mean humidity.	Departure from normal.	Mean vapour tension.	Departure from normal.	Mean cloud amount.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.
Burma	—·012	87·9	—1·0	73·7	+0·3	80·8	—0·4	14·2	25·2	—0·1	0	89	+ 2	·848	—·002	5·9	+0·9	7·11	5·58	+1·53
Eastern Bengal and Assam	—·011	87·9	+1·2	71·5	—0·9	79·8	+0·2	16·4	26·9	—0·3	+ 5	85	— 3	·806	—·019	1·9	—2·2	1·83	5·09	—3·26
Bengal	—·010	91·9	+3·6	70·9	—0·8	81·4	+1·4	21·0	33·7	—0·1	+13	75	— 5	·721	—·044	1·2	—1·9	0·41	3·53	—3·12
United Provinces of Agra and Oudh.	—·020	95·3	+5·1	65·5	—0·3	80·4	+2·4	29·9	44·3	0	+ 4	54	—16	·480	—·106	0·3	—0·9	0	1·32	—1·32
Punjab	—·028	95·4	+2·1	63·4	+1·5	79·4	+1·8	32·0	48·4	+0·5	+ 5	46	— 9	·385	—·033	0·6	0	0·01	0·22	—0·21
North-West Frontier Province	—·042	92·6	+1·4	60·3	+1·4	76·5	+1·4	32·3	50·5	—0·2	+ 9	51	— 8	·383	—·012	0·9	+0·2	0·12	0·26	—0·14
Sind	+·005	95·6	—0·5	67·1	—0·7	81·4	—0·6	28·5	48·7	—0·9	+12	60	+ 2	·555	+·024	1·2	+0·5	0	0·02	—0·02
Rajputana	—·003	95·5	+0·5	65·9	+0·2	80·7	+0·3	29·6	44·8	+0·8	+ 1	49	0	·434	+·004	0·2	—0·8	0	0·17	—0·17
Bombay	+·002	92·3	+2·6	70·5	+0·1	81·4	+1·4	21·8	33·6	—1·2	+ 1	65	— 7	·643	—·027	1·9	—1·0	0·35	2·84	—2·49
Central India	—·004	93·7	+4·6	65·0	+0·3	79·4	+2·5	28·7	40·3	—0·8	+25	49	—13	·455	—·078	1·3	—0·2	0	0·94	—0·94
Central Provinces	+·004	94·2	+5·4	66·2	—0·5	80·2	+2·5	27·9	41·1	—0·4	+ 9	50	—16	·475	—·111	1·9	—0·5	0·01	1·78	—1·77
Hyderabad	+·006	92·9	+5·1	69·1	—0·5	81·0	+2·3	23·8	35·0	—0·9	+24	53	—16	·536	—·112	2·5	—1·0	0·02	2·80	—2·78
Mysore	—·001	85·0	+2·1	66·0	—0·1	75·5	+1·1	19·0	26·8	—0·5	+ 8	76	— 5	·623	—·017	4·8	—1·8	2·25	5·48	—3·23
Madras	—·002	89·9	+1·2	74·3	+0·3	82·1	+0·8	15·6	26·1	+0·3	+ 4	78	— 3	·787	—·023	5·1	—0·4	4·55	7·11	—2·56

Table

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

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of Air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute ran during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	I.—Burma.																						
2	Mergui	119	29·820	+·007	29·872	29·881	10th	29·755	3rd	·126	78·7	86·2	−1·0	74·3	+2·2	80·3	+0·6	11·9	89·9	1st, 8th & 27th..	71·4	12th	18·5
	Tavoy	19	29·935	+·009	29·886	30·001	6th	29·854	3rd	·147	77·2	86·5	−1·5	74·6	+1·3	80·6	−0·1	11·9	89·0	5 days	72·3	26th	16·7
	Moulmein	94	29·849	+·014	29·881	29·925	10th	29·763	3rd	·162	78·5	87·0	−1·4	75·0	+0·2	81·0	−0·6	12·0	90·5	13th	73·3	12th, 14th & 15th.	17·2
	Rangoon	36	29·878	−·019	29·851	29·948	10th	29·756	3rd	·192	79·3	86·8	−0·9	76·3	+0·7	81·6	−0·1	10·5	90·6	1st	71·9	31st	18·7
	Bassein	27?	29·888	−·005	29·853	29·973	27th	29·786	3rd	·187	78·4	87·5	+0·1	75·6	+0·4	81·6	+0·3	11·9	90·2	30th & 31st.	71·9	31st	18·3
	Diamond Island	41	29·885	−·016	29·841	29·939	28th	29·768	3rd	·171	81·7	85·2	−1·3	77·1	+0·4	81·2	−0·5	8·1	88·9	31st	74·2	17th	14·7
	Toungoo	183	29·734	−·009	29·860	29·806	11th	29·626	3rd	·180	78·8	89·0	−1·3	75·3	+0·5	82·2	−0·4	13·7	92·4	1st & 3rd	65·6	31st	26·8
	Akyab	20	29·876	−·022	29·839	29·957	11th	29·735	8th	·222	77·9	86·4	−1·4	76·1	−0·6	81·3	−1·0	10·3	89·4	19th	71·8	30th & 31st.	17·6
3	Thayetmyo	121	29·792	−·006	29·855	29·866	11th	29·699	20th	·167	79·3	90·6	+0·2	73·9	−0·2	82·3	0	16·7	93·5	4 days	61·9	29th	31·6
	Minbu	*165*	29·731	−·033	29·844	29·810	11th & 28th.	29·640	6th	·170	78·7	90·5	−0·8	75·3	+0·3	82·9	−0·3	15·2	95·2	2nd	67·1	31st	28·1
	Yamethin	657	29·249	−·029	29·265	29·319	28th	29·159	20th	·160	77·1	89·6	−2·9	73·5	−0·3	81·6	−1·6	16·1	94·3	4th	62·6	31st	31·7
	Mandalay	250	29·653	−·015	29·854	29·736	11th	29·559	20th	·177	80·4	92·3	+1·0	75·1	+0·3	83·9	+0·7	17·7	96·5	4th	63·5	31st	33·0
	Monywa	*930*	29·652		29·871	29·736	28th	29·511	7th	·225	78·8	91·8		74·7		83·3		17·1	95·3	11th	68·6	30th	26·7
	Lashio	*2,751*	27·138	−·035	27·084	27·254	12th	27·016	7th	·238	67·7	81·5	−2·0	62·9	−0·6	72·2	−1·3	18·6	85·5	20th	50·0	29th, 30th 31st.	35·5
	Bhamo	*381*	29·541	−·005	29·584	29·656	28th	29·384	7th	·272	73·7	87·1	−1·4	69·3	−0·3	78·2	−0·9	17·8	91·9	5th	57·1	31st	34·8
	Myitkyina	458	29·443		29·866	29·585	28th	29·292	7th	·293	75·6	87·5		69·9		78·7		17·6	93·7	4th	61·1	29th, 30th 31st.	32·6
	II.—Eastern Bengal and Assam.																						
4	Dibrugarh	353	29·568		29·888	29·691	28th	29·380	7th	·311	73·0	85·9		68·3		77·1		17·6	97·4	20th	62·1	29th	35·3
	Sibsagar	333	29·628	+·008	29·924	29·748	28th	29·432	6th & 7th.	·316	73·6	84·0	−0·8	69·2	−1·6	76·6	−1·2	14·8	87·6	5th	62·2	27th & 29th.	25·4
	Tezpur	252	29·682		29·895	29·794	28th	29·502	7th	·292	74·0	87·3		70·2		78·8		17·1	89·6	3rd, 4th & 5th.	64·9	29th	24·7
	Gauhati	195	29·736		29·891	29·858	28th	29·572	7th	·286	75·3	88·3		69·2		78·8		19·1	91·0	4th, 5th & 8th.	64·1	26th & 27th.	26·9
	Dhubri	115	29·795	−·018	29·867	29·918	28th	29·622	6th	·296	75·9	85·3	+0·8	72·3	−0·5	78·8	+0·2	13·0	87·7	23rd	68·8	28th & 31st.	18·9
	Silchar	104	29·819	−·006	29·878	29·938	11th	29·644	6th	·294	77·0	89·6	+0·9	71·1	−1·2	80·4	−0·2	18·5	97·0	5th	62·3	31st	34·7
5	Chittagong	87	29·822	−·006	29·858	29·918	28th	29·657	6th	·261	77·8	86·9	+0·4	71·4	−2·0	79·2	−0·8	15·5	90·1	4th	64·9	25th & 26th.	25·2
	Noakhali	43	29·859		29·819	29·965	28th	29·686	6th	·279	78·3	86·6		72·6		79·6		14·0	89·3	2nd & 4th.	64·9	31st	24·9
	Barisal	12	29·889‡	−·010‡	29·847‡	30·005	28th	29·703	6th	·302	81·9	88·9	+1·3	74·3	−0·3	81·6	+0·5	14·6	91·3	6 days.	64·6	31st	28·7
	Comilla	36	29·873		29·857	29·976	28th	29·717	6th	·259	79·0	89·2		71·7		80·5		17·5	93·3	5th	64·3	29th & 31st.	29·0
	Narayanganj	26	29·875	−·008	29·849	29·996	28th	29·709	6th	·287	79·6	89·3	+1·4	74·6	−0·7	82·0	+0·4	14·7	93·5	5th	67·3	31st	26·2
	Faridpur	46	29·858		29·854	29·979	28th	29·692	6th	·287	79·6‖	88·9‖		72·9‖		80·9‖		16·0	91·8	11th	66·9	29th	24·9
	Sirajganj	49	29·857		29·856	29·983	28th	29·683	6th	·300	77·8	87·8		73·6		80·8		14·2	91·3	4th & 5th	68·3	29th	23·0
	Mymensingh	63	29·843	−·013	29·863	29·957	28th	29·684	6th	·273	79·2	88·8	+2·6	72·6	−0·4	80·8	+1·1	16·0	92·6	5th	66·6	31st	26·0
	Bogra	75	29·822	−·019	29·850	29·915	28th	29·630	6th	·285	78·8	90·0	+2·8	71·5	−1·2	80·8	+0·8	18·5	93·7	1st	65·2	30th	28·5
	Rampur Boalia	70	29·827		29·847	29·971	28th	29·668	6th	·303	80·1	90·8		72·3		81·5		18·5	95·1	1st	63·1	29th	32·0
	Malda	72	29·814		29·838	29·949	28th	29·650	6th	·299	78·7	88·9		70·8		79·8		18·1	92·3	1st & 8th	61·8	29th	30·5
	Dinajpur	123	29·774	−·021	29·855	29·899	28th	29·620	6th	·279	77·2	88·1	+0·7	70·8	−1·2	79·5	−0·3	17·3	90·8	5th & 8th	63·5	29th	27·3
	Rangpur	122	29·794		29·875	29·919	28th	29·629	6th	·290	78·3	87·7		71·8		79·8		15·9	90·6	5th & 8th	65·6	29th & 30th.	25·8

* Mean of 30 days.
‡ ,, 25 ,,

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

B.

stations, in India, etc., in October, 1907.

Wind Direction.											Wind Velocity.			Wind steadiness.	Hygrometry, 8 hrs.				Cloud.		Rainfall.							Heaviest rainfall during month.	Station.
Number of winds from																												
Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Mean velocity, miles per hour.	Normal.	Departure from normal.	Actual percentage.	Departure from normal.	Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs., in inches of mercury.	Departure from normal, in inches of mercury.	Mean cloud amount at 8 hrs.	Departure from normal.	Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 31st October 1907.	Normal rainfall for period, 1st May to 31st October.	Departure from normal of period, 1st May to 31st October 1907.		
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.
16	3	2			4	3	3		S 38° W	N 5° E	1·2	1·5	−0·3	23	+ 5	93	+ 6	·896	+ ·041	3·8	−1·1	23	16·10	+6·90	14·72	12·74	+ 1·98	1440	151·83	− 6·43	1·62	Mergui.
31									(a)	N 9° E	1·5§	1·1	+0·4			92	+ 4	·867	− ·001	5·8	+1·0	19	12·30	+6·70	19·72	5·45	+10·27	·28	201·38	+52·90	3·50	Tavoy.
15	2	4	1	5	2	1		1	S 83° E	S 85° E	2·4	2·2	+0·2	20	−12	92	+ 4	·895	+ ·019	7·4	+2·4	19	10·70	+8·30	9·35	7·97	+ 1·38	226·89	177·86	+49·03	1·70	Moulmein.
4	4	11	3		6	2	1		S 62° E	S 53° E	3·5	2·9	+0·6	30	+ 8	88	− 4	·889	− ·018	5·9	+0·3	15	8·50	+6·50	9·16	6·39	+ 2·77	94·99	91·80	+ 3·19	2·50	Rangoon.
7	3	2		3	3	7	3	3	S 61° W	N 80° E	2·9*	3·3	−0·4	27	+ 9	94	+ 3	·919	+ ·004	6·9	+1·7	14	12·10	+1·90	6·29	8·13	− 1·74	116·54	106·37	+10·17	0·93	Bassein.
1	4	8	6	2	1	5	1	3	N 48° E	N 53° E	6·4	7·5	−1·1	27	− 5	85	+ 2	·925	+ ·026	6·0	+0·3	14	11·60	+2·40	10·09	8·00	+ 2·09	119·6	108·18	+11·45	1·51	Diamond Island.
26				2	2			1	S 15° E	N 84° E	1·4	1·9	−0·4	10	− 8	91	+ 2	·895	+ ·008	8·0	+2·5	16	9·60	+6·40	15·67	6·56	+ 9·11	103·82	75·12	+28·70	3·50	Toungoo.
	3	13	7	1	1		1		N 46° E	N 50° E	3·1	2·5	+0·	72	− 3	92	+ 1	·884	− ·029	4·7	−1·2	8	8·30	−0·20	7·80	10·28	− 2·48	206·87	183·75	+23·12	1·64	Akyab.
3	1	2	1	7	6	5		6	S 3° W	S 37° E	6·5§	3·5	+3·0	25	+ 3	85	+ 1	·858	+ ·008	6·5	+0·8	7	6·90	+0·10	2·72	4·00	− 1·28	25·24	33·84	− 8·60	1·06	Thayetmyo.
10	2				6	3	2	3	S 70° W	S 10° W	2·5	6·5	−4·0	10	− 1	85	+ 1	·849	+ ·006	5·3	+0·8	7	5·20	+1·80	4·52	4·41	+ 0·11	22·44	29·86	− 7·42	1·05	Minbu.
14	2			11	4				S 39° E	S 45° E	2·6	3·4	−0·8	43	+ 6	88	+ 2	·833	− ·024	8·8	+5·7	7	6·60	+0·40	6·21	5·72	+ 0·49	33·10	38·91	− 0·81	2·21	Yamethin.
19		1	1	4	5			1	S 31° E	S	4·5	3·2	+1·3	23	− 2	79	− 4	·807	− ·053	3·6	−0·5	5	5·60	−0·60	3·32	4·98	− 1·66	19·00	28·98	− 9·98	1·64	Mandalay.
6	2			1	3	2	3	14	N 64° W		2·0			49		84		·839		4·3		6	5·50	+0·50	1·73	3·95	− 2·22	19·38	26·29	− 6·91	0·58	Monywa.
15	4	6	2		2			2	N 33° E		2·2§			33		92	0	·844	− ·003	6·7	−0·9	12			5·92	3·68	+ 2·24	52·61	54·98	− 2·37	1·80	Lashio.
26		5							N 45° E	N 4° W	1·1	1·9	−0·8	20	− 2	90	+ 3	·760	− ·014	4·6	+0·5	6	5·70	+0·30	4·60	3·47	+ 1·13	63·76	68·52	− 4·76	1·64	Bhamo.
31									(a)		6·5§					90		·803		6·3		5			5·85			64·89			3·33	Myitkyina.
																																II.—Eastern Bengal and Assam.
29		1	1						N 66° E		0			7		87		·703		2·9		2	7·70	−5·70	0.78	5·40	− 4·62	77·93	94·19	−16·26	0·46	Dibrugarh.
11	4	6	1		1	2	2	4	N 6° W	N 86° E	1·4	1·9	− ·5	30	+ 5	91	− 5	·753	− ·049	5·4	−1·8	1	4·20	−3·20	0·20	4·99	− 4·79	72·56	76·81	− 4·25	0·16	Sibsagar.
6		5	20						N 81° E		1·9			79		88		·742		2·0		3	5·50	−2·50	0·81	3·66	− 2·85	55·24	60·70	− 5·36	0·30	Tezpur.
11	6	2	1		1	4	1	3	N 3° W		1·8			10		89		·789		3·5		0	4·10	−4·10	0·04	2·92	− 2·88	53·12	52·78	+ 0·34	0·02	Gauhati.
2		6	17	4	2				S 39° E	N 67° E	5·8	3·8	+2·0	79	+36	90	+ 1	·810	+ ·019	1·6	−2·2	3	4·16	−1·16	1·91	3·48	− 1·57	82·21	85·47	− 3·26	0·63	Dhubri.
31									(a)	N 63° E	0·9	1·6	−0·7	‖		85	− 4	·799	−·029	2·1	−4·0	3	7·00	−4·00	1·19	6·03	− 4·84	98·98	97·90	+ 1·08	0·63	Silchar.
4	4	10	3	3	1			1	N 72° E	N 67° E	2·7	3·8	−0·1	53	+ 6	88	− 2	·840	−·024	1·7	−3·3	3	6·80	−3·80	2·15	6·37	− 4·22	55·78	86·32	−30·54	1·61	Chittagong.
16	3	5	5	2					N 63° E		1·9			36		85		·823		1·5		7	7·13	−0·13	4·82	7·92	− 3·10	97·61	102·24	− 5·23	1·42	Noakhali.
5	6	5	1	3	5	2		4	N 33° E	N 29° E	1·2	2·0	−0·8	17	+ 6	81	− 3	·878	−·007	1·6	−2·1	0	5·94	−5·94	0·20	6·69	− 6·49	59·35	68·95	− 9·60	0·09	Barisal.
17	3	2	2	5	2				S 82° E		1·4			23		84		·843		1·5		5	5·62	−0·62	2·23	5·43	− 3·20	56·69	78·31	−21·62	0·89	Comilla.
12	1	1	6	3	2	3		2	S 59° E	N 50° E	1·9	2·7	−0·8	20	+ 9	94	0	·855	+ ·007	2·7	−1·6	3	5·06	−2·06	2·62	4·48	− 1·86	49·47	59·45	− 9·98	1·83	Narayanganj.
14	3		2	4	6	1	1		S 23° E		1·5			26		86‖		·873‖		1·8		3	5·31	−2·31	1·64	4·49	− 2·65	61·33	59·18	+ 2·15	1·02	Faridpur.
26			2	1	2				S 45° E		2·1			13		87		·836		1·9		2	4·77	−2·77	2·98	4·37	− 1·39	47·58	55·13	− 7·55	1·52	Sirajganj.
20	1		4	5	1				S 62° E	S 85° E	0·6	1·6	−1·0	30	− 7	85	− 3	·847	−·003		−2·1	2	5·58	−3·58	0·29	5·12	− 4·83	56·45	77·92	−21·47	0·15	Mymensingh.
28		3							N 45° E	N 86° E	1·4	1·8	−0·2	10	− 6	80	− 6	·800	−·065	1·3	−2·2	1	4·84	−3·84	0·38	4·21	− 3·83	43·50	61·52	−18·02	0·28	Bogra.
31									(a)		1·5					78		·815		0·8		2	4·80	−2·80	0·33	4·49	− 4·16	31·13	53·10	−21·97	0·17	Rampur Boalia.
5	3	9	5	2	2	2	1	2	N 56° E		3·0§			36		87		·858		0·2		0	4·39	−4·39	0	4·18	− 4·18	45·43	50·12	− 4·64	0	Maida.
9	5	7	3	2	2	2		1	N 45° E	N 53° E	1·8	2·4	−0·6	33	+11	86	+ 1	·808	0	1·8	−1·3	1	3·64	−2·64	0·29	3·02	− 2·73	59·01	67·03	− 8·02	0·29	Dinajpur.
14		8	4	2	1	1			N 72° E		1·1			29		84		·815		0·8		2	4·03	−2·03	0·49	·94	− 4·45	69·68	78·45	− 8·77	0·27	Rangpur.

stations, the elevations of which exceed 3,000 feet. (a) Indeterminate. § Uncorrected. ‖ Mean of 29 days.

Table

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

Number of subdivision.	Station.	Elevation of barometer 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 means of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	II—Eastern Bengal and Assam—*concld.*																						
	Jalpaiguri	284	29·625	—·019	29·871	29·746	28th	29·429	6th	·317	75·3	87·5	+1·7	70·4	+0·6	79·0	+1·2	17·1	91·4	5th, & 6th,	66·6	27th, 28th & 29th,	24·8
	Cooch Behar	156	29·768		29·882	29·899	28th	29·594	6th	·305	75·2	87·1		70·3		78·7		16·8	91·3	5th	66·6	27th	24·7
	III.—Bengal.																						
6	Sangor Island	25	29·868	—·012	29·838	29·996	28th	29·702	6th	·294	81·9	89·6	+2·7	77·3	+1·1	83·5	+1·9	12·3	93·0	4th	67·5	30th	25·5
	Midnapore	149	29·743		29·841	29·881	28th	29·585	6th	·296	79·0	93·3		71·7		82·5		21·6	97·3	10th	62·7	29th, 30th & 31st,	34·6
	Calcutta	21	29·878	—·010	29·845	30·012	28th	29·714	6th	·298	80·1	90·9	+4·2	74·2	—0·1	82·6	+2·1	16·7	93·6	4 days	66·7	29th	28·9
	Jessore	33	29·871	—·009	29·850	29·996	28th	29·701	6th	·295	80·5	90·7	+2·3	73·1	—1·5	82·0	+0·4	17·6	93·5	11th	63·7	30th	29·8
	Krishnagar	47	29·843		29·842	29·993	28th	29·664	6th	·329	80·0	92·4		72·0		82·2		20·4	95·6	12th	62·0	30th	33·6
	Burdwan	99	29·789	—·017	29·843	29·936	28th	29·629	6th	·310	79·0	92·8	+4·1	73·5	—1·1	83·2	+1·5	19·3	96·4	1st	65·3	30th	31·1
	Bankura	313	29·574		29·842	29·715	28th	29·417	6th	·298	78·8	93·8		71·6		82·7		22·2	98·1	12th	63·7	28th	34·4
	Raniganj	334	29·570		29·884	29·718	28th	29·411	6th	·307	74·8	91·8		70·2		81·0		21·6	96·0	11th & 12th.	62·0	28th, 30th & 31st	34·0
	Berhampore	67	29·829	—·020	29·846	29·970	28th	29·662	6th	·308	78·7	91·2	+3·7	72·9	—1·4	82·0	+1·2	18·3	93·8	1st & 12th,	64·7	29th	29·1
	Naya Dumka	499	29·406		29·860	29·554	28th	29·246	6th	·308	77·3	90·9		66·6*		79·6*		22·4	95·4	11th	60·0	31st	35·4
7	Balasore	50	29·857	—·012	29·852	29·991	28th	29·706	6th	·285	77·5	91·1	+3·1	71·5	—1·6	81·3	+0·8	19·6	94·9	10th	62·8	29th & 31st,	32·1
	Faleq Point	21	29·892	+·006	29·855	30·012	28th	29·743	5th & 6th.	·269	79·4	90·3	+2·9	72·4	—2·2	81·4	+0·4	17·9	95·1	20th	62·6	29th	32·5
	Cuttack	80	29·834	+·009	29·859	29·963	28th	29·680	6th	·283		92·7	+3·0	73·3	—1·3	83·0	+0·9	19·4	96·4	8th	66·2	29th, 30th & 31st,	30·2
	Puri	24	29·893		29·856	30·017	28th	29·753	5th	·264	81·6	90·6		76·6		83·6		14·0	94·1	7th	70·1	29th	24·0
	Angul	455	29·455		29·876	29·591	28th	29·311	6th	·280	77·0	92·8		69·2		81·0		23·6	96·1	10th, 11th & 12th.	60·0	31st	36·1
	Sambalpur	486	29·631	+·002	29·877	29·579	28th	29·292	6th	·287	77·0	92·1	+3·3	69·3	—2·6	80·7	+0·4	22·8	94·1	5 days.	60·1	30th	34·0
8	Chaibassa	*760*	29·164	—·006	29·865	29·304	28th	29·017	6th	·287	73·5	94·6†	+5·2	69·2	—1·1	82·7†	+2·1	25·4	96·9	4 days.	60·2	28th & 30th,	36·7
	Ranchi	2,128	27·779	—·005	29·868	27·894	28th	27·650	5th	·244	75·6	87·8	+4·8	67·6	+2·0	77·7	+3·4	20·2	91·7	12th	59·9	31st	31·8
	Purulia	*816*	29·061‡		29·841‡	29·214	28th	28·933	6th	·281	73·8	93·8		69·5		81·7		24·3	98·5	11th & 12th,	62·1	30th	36·4
	Hazaribagh	2,007	27·890	—·007	29·852	28·013	28th	27·765	6th	·248	78·3	93·5	+5·2	67·5	+0·7	78·0	+3·0	21·0	92·2	12th	58·3	27th	33·9
	Daltonganj	*730*	29·160		29·868	29·308	28th	29·027	6th	·281	69·1	91·4		63·4		78·9		31·0	96·5	12th & 13th,	52·5	27th	46·0
9	Purnea	123	29·776	—·012	29·857	29·918	28th	29·616	6th	·302	74·5	88·6	+1·2	69·7	—1·5	79·2	—0·2	18·9	92·2	8th	60·2	31st	32·0
	Bhagalpur	160	29·744		29·858	29·898	28th	29·584	7th	·314	80·4	90·8		70·4		80·6		20·4	93·7	8th	61·3	31st	32·4
	Monghyr	155	29·732		29·843	29·892	28th	29·571	7th	·321	78·9	90·3		71·4		80·9		18·9	92·9	23rd	63·4	30th	29·5
	Darbhanga	165	29·730	—·020	29·854	29·876	28th	29·567	7th	·309	76·5	89·6	+2·9	71·3	—1·8	80·5	+0·6	18·3	92·6	8th	61·3	30th	31·3
	Pusa	166	29·726		29·851	29·873	28th	29·567	7th	·306	76·0	90·4		70·2		80·3		20·2	93·1	7th	59·3	30th	33·8
	Muzaffarpur	178	29·726		29·861	29·880	28th	29·566	6th	·314	78·2	89·8		70·5		80·1		19·3	93·2	7th	60·5	30th	32·7
	Motihari	224	29·670		29·858	29·818	28th	29·506	7th	·312	74·7	90·6		69·2		80·0		21·4	93·4	1st & 8th,	57·8	26th	35·6
	Chapra	181	29·700		29·839	29·850	28th	29·543	7th	·307	76·9	94·5		70·7		82·6		23·8	97·9	7th	61·6	28th	36·3
	Patna	183	29·705	—·028	29·842	29·848	28th	29·553	7th	·295	80·3	92·5	+4·3	72·1	—0·4	82·3	+2·0	20·4	95·5	8th	61·2	27th	34·3
	Arrah	190	29·705		29·851	29·858	28th	29·555	7th	·303	76·8	93·8		69·0		81·5		24·8	97·4	10th	57·2	26th & 27th,	40·2
	Buxar	229	29·634		29·833	29·793	28th	29·476	6th	·317	76·9	97·5		69·4		83·4		28·1	101·5	11th	59·1	26th	42·4
	Dehri	251	29·522		29·840	29·637	28th	29·374	6th	·313	76·9	95·4		71·0		83·2		24·4	100·3	12th	62·0	27th	38·3
	Gaya	375	29·510	—·023	29·846	29·671	28th	29·366	6th	·305	77·4	96·8	+5·2	70·7	—0·3	83·8	+2·5	24·1	98·9	11th & 12th.	62·2	26th & 27th,	36·7
	IV.—United Provinces of Agra and Oudh.																						
10	Gorakhpur	257	29·632	—·032	29·840	29·769	28th	29·458	6th	·311	77·6	9·33	+4·6	67·5	—2·5	80·4	+1·1	25·8	97·1	6th & 7th	57·0	26th & 29th,	40·1
	Benares	267	611	—·028	29·837	29·771	28th	29·464	6th	·307	78·6	95·5	+5·6	65·7**	—2·6	80·6**	+1·5	29·8	99·6	11th	53·6	26th	46·0
	Allahabad	309	29·566	—·031	29·834	29·723	28th	29·422	6th	·301	77·9	97·5	+7·0	66·5	—1·1	82·0	+3·0	31·0	101·8	11th & 12th.	56·0	26th	45·8

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

NOTE.—The barometric readings are not reduced to

* Mean of 30 days.

‡ Mean of 28 days.
† „ 24 „

** Mean of 29 days.

B—*continued.*

stations, in India, etc., in October, 1907—continued.

Wind direction. Number of winds from Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction	Normal direction	Wind Velocity. Mean velocity in miles per hour	Normal	Departure from normal	Wind Steadiness. Actual percentage	Departure from normal	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal	Mean vapour tension at 8 hrs. in inches of mercury	Departure from normal, in inches of mercury	Cloud. Mean cloud amount at 8 hrs.	Departure from normal	Rainfall. Number of rainy days	Normal number of rainy days	Departure from normal	Rainfall of month	Normal rainfall of month	Departure from normal	Total rainfall from 1st May to 31st October 1907	Normal rainfall for period, 1st May to 31st October	Departure from normal of period, 1st May to 31st October 1907	Heaviest rainfall during month	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																II.—Eastern Bengal and Assam—*concld.*
21	2	5	1	1				1	N 40° E	N 51° E	1·5			27	−16	83	− 5	·735	−·042	1·7	−1·6	3	4·71	−1·71	0·80	3·82	−3·02	114·16	117·00	− 2·84	0·60	Jalpaiguri.
17		3	7	3	1				S 85° E		1·2			36		81		·710		1·8		4	4·17	−0·17	2·67	4·79	−2·12	176·36	120·02	+56·32	1·89	Cooch Behar
																																III.—Bengal.
	3	7	2	1	2		4	5	N 51° W	N 14° W	9·4 ‖	7·4	+2·0	23	+ 1	83	− 3	·912	+·024	2·4	−3·0	1	7·90	−6·90	0·60	8·61	−8·04	57·50	66·68	− 9·18	0·44	Saugor Island.
4	12	1		1	4	3	2	4	N 34° W		1·8			36		72		·717		1·2		0	5·27	−5·27	0·05	4·51	−4·46	49·98	55·17	− 5·25	0·05	Midnapore.
6	1	2	5	3	2	6	2	4	S 5° W	N 58° W	3·0 ‖	2·8	+0·2	10	− 9	85	+ 1	·877	+·024	2·2	−1·2	1	5·33	−4·33	1·06	4·12	−3·06	47·75	54·71	− 6·96	1·02	Calcutta.
25		1	2	2	1				S 67° E	S 67° E	0·5	2·0	−1·5	13	− 9	84	− 2	·873	−·003	2·4	−1·5	2	5·74	−3·74	0·51	4·38	−3·87	52·42	55·73	− 3·31	0·40	Jessore.
10	3			3	2	3	4	6	N 83° W		1·55			26		82		·846		0·8		2	4·97	−2·97‖	0·36	4·20	−3·84	36·53	49·21	−12·68	0·21	Krishnagar.
19	2	1			2	2	3	2	N 82° W	N 28° W	0·8	1·9	−1·1	17	+ 3	79	− 1	·788	−·006	1·7	−2·0	1	4·10	−3·10	0·60	3·27	−2·67	38·53	51·86	−13·33	0·60	Burdwan.
19			5	1		1	5		S		1·6			5		68		·671		0·1		0	4·81	−4·81	0	4·08	−4·08	47·98	51·59	− 3·61	0	Bankura.
31									(*a*)		0					80		·711		0·5		0	4·23	−4·23	0	3·22	−3·22	41·87	51·68	− 9·81	0	Raniganj.
16	2	3			7	2		1	S 9° E	S 39° W	1·4	2·0	−0·6	20	+15	81	− 5	·805	−·030	0·9	−2·8	0	5·04	−5·04	0	3·95	−3·95	32·78	50·84	−18·06	0	Berhampore.
31									(*a*)		0·9					74		·703		0·5		2	4·70	−2·70	1·55	3·94	−2·39	40·48	55·06	−14·58	1·25	Naya Dumka
3	8	1	1		2	4		12	N 38° W	N 41° W	1·7	2·6	−0·9	53	+17	76	− 8	·741	−·099	2·1	−2·5	4	6·32	−2·32	4·16	5·74	−1·58	38·75	58·13	−19·38	2·27	Balasore.
2	1	2			2	5	10	5	N 80° W	N 45° W	5·7	6·0	−0·3	59	+12	82	− 1	·838	−·029	2·1	−2·8	2	7·74	−5·74	0·66	8·64	−7·98	47·69	58·79	−10·99	0·27	False Point.
12	1	2	1				6	7	2	S 88° W	N 51° W	1·3 ‖	1·8	−0·5	33	+15	76	− 3	·736	−·051	2·3	−1·3	1	6·06	−5·06	0·55	5·24	−4·69	61·52	54·93	+ 6·59	0·47	Cuttack.
4	15	1					4	6	1	N 38° W		8·3		55		75		·823		1·5		2	7·62	−5·62	2·70	8·98	−6·28	29·90	52·02	−22·12	2·28	Puri.
1	3	2						3	17	N 50° W		4·4		78		70		·657		1·2		0			0·69			40·41			0·09	Angul.
		5	6	11	2	5	1	1	S 53° E	N 33° E	3·6	2·9	+0·7	49	− 8	71	− 7	·670	−·079	2·1	−0·5	9	3·60	−3·60	0	1·32	−1·32	62·17	66·10	− 1·93	0	Sambalpur.
17					3	8	3		S 45° W	S 62° W	1·3	0·9	+0·9	43	+21	72	− 8	·602	−·137	0·7	−2·5	0	4·19	−4·19	0	2·29	−2·29	41·94	46·61	− 4·67	0	Chaibassa.
6	3	2				5	10	5	N 74° W	N 89° W	5·8 ‖	4·5	+1·3	53	+32	52	−19	·674	−·112	1·5	−1·6	9	4·35	−4·35	0	2·82	−2·82	52·97	51·45	+ 1·52	0	Ranchi.
6							20	5	N 81° W		2·7			78		94		·724		1·0		0	3·80	−3·80	0	3·17	−3·17	49·90	48·83	+ 1·07	0	Purulia.
3	2	1	1		2	3	8	6	S 87° W	S 72° W	5·3	5·2	+0·1	53	+28	51	−19	·699	−·080	1·1	−2·4	0	4·48	−4·48	0	3·14	−3·14	55·04	50·47	+ 4·57	0	Hazaribagh
27			1	2	1				S 79° E		2·0			1		76		·544		0·7		0	3·06	−3·06	0	2·40	−2·40	60·53	41·70	+18·83	0	Daltonganj.
18		8	1	3				2	N 49° E	N 79° E	0·6	2·0	−1·4	30	+15	92	+ 4	·783	−·017	1·3	−1·3	2	3·39	−1·39	0·48	3·44	−2·96	18·65	62·01	−12·36	0·26	Purnea.
23		5	1	1	1				N 68° E		1·1			16		70		·719		0·7		0	3·03	−3·03	0·05	3·54	−3·49	15·97	46·57	− 0·60	0·05	Bhagalpur.
5	2	3	19	3		2	4	2	N 74° E		2·9			23		78		·785		0·8		0			0			17·08			0	Monghyr.
7	4	7	10	3					N 69° E	S 68° E	1·5	2·1	−0·6	59	+38	86	+ 3	·800	+·017	0·5	−1·5	0	3·03	−3·03	0	3·24	−3·24	35·18	48·62	−13·46	0	Darbhanga.
16		12	2						N 51° E					43		94		·771		1·2		0			0			35·83			0	Pusa (*b*)
11		3	19	7					S 80° E		2·1 ‖			55		79		·803		0·4		0	2·87	−2·87	0	2·92	−2·92	29·92	43·28	−13·36	0	Muzaffarpur.
5	2	13	9	1	1				N 62° E		1·5			68		88		·774		1·2		0	2·71	−2·71	0·02	3·38	−3·36	35·15	49·27	−14·12	0·02	Motihari.
5	4	2	2	4	13			1	S 31° E		1·2			39		76		·725		0·7		0	2·81	−2·81	0	2·63	−2·63	34·49	38·62	− 4·13	0	Chapra.
2		2	4	4	9	1	8	1	S 7° W	S 8° W	2·8	2·2	+0·6	33	+11	62	−10	·667	−·064	0·3	−2·1	0	2·13	−2·13	0	3·26	−3·26	32·75	45·90	−13·15	0	Patna.
8		2	1	9	4	5	2		S 13° E		1·4			42		72		·686		0·2		0	3·48	−3·48	0·04	2·77	−2·73	30·88	43·27	−12·39	0·04	Arrah.
3			5	6	4	10	2	1	S 4° W		4·0			48		60		·574		1·1		0	2·94	−2·94	0	2·96	−2·96	21·56	39·22	−17·66	0	Buxar.
1			1		13	15	1		S 25° W		2·5			87		60		·576		1·1		0	2·78	−2·78	0	2·49	−2·49	38·41	40·86	− 2·45	0	Dehri.
6		1	1	3	11	5	4		S 14° W	S 9° W	12·9	2·7	+0·2	56	+24	65	− 9	·620	−·064	0·7	−2·3	0	2·90	−2·90	0	2·20	−2·20	54·09	44·44	+ 9·65	0	Gaya.
																																IV.—United Provinces of Agra and Oudh.
17	1	5	4	4					N 81° E	N 27° W	0·8 ‖	1·2	−0·4	38	+11	69	− 9	·656	−·058	0·3	−1·2	0	2·19	−2·19	0	4·19	−4·19	21·93	49·69	−27·76	0	Gorakhpur.
10		1	2	1	2	12	2		S 38° W	S 50° W	2·1	2·5	−0·4	43	+25	51	−23	·513	−·166	0·5	−1·7	0	2·29	−2·29	0	2·56	−2·56	29·32	38·98	− 9·66	0	Benares.
12			2			1	12	4	N 81° W	N 86° W	2·3	3·1	−0·8	46	+21	47	−22	·456	−·176	0·5	−1·5	0	1·99	−1·99	0	2·57	−2·57	22·81	38·32	−15·51	0	Allahabad.

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

(*a*) Indeterminate.

‖ Uncorrected.

(*b*) Wind observations of 30 days.

§ Mean of 15 days.

Table

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

Number of subdivision.	Station.	Elevation of bar-ctern above sea-level, in feet.	Pressure, 8 hrs. in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	IV.—United Provinces of Agra and Oudh—*contd.*																						
10	Cawnpore	416	29·463	—·024	29·846	29·617	28th	29·324	6th	·293	76·1	96·9	+5·4	65·0	—0·8	81·0	+2·3	31·9	101·9	11th	53·7	26th	48·2
	Lucknow	368	29·516	—·015	29·850	29·671	28th	29·367	6th	·304	76·0	97·7	+6·5	65·5	0	81·6	+3·3	32·2	102·0	11th	56·1	26th & 27th.	45·9
	Bahraich	401	29·465	—·030	29·832	29·619	28th	29·300	6th	·319	77·3	96·1	+6·0	68·1	+0·9	82·1	+3·5	28·0	100·1	1st, 2nd & 6th,	57·0	26th	42·1
11	Jhansi	835	29·078	+·020	29·380	29·224	28th	28·964	6th	·260	81·8	98·6	+5·7	72·7	+3·6	85·7	+4·7	25·9	102·3	4 days	63·1	26th	39·2
	Agra	556	29·327	—·026	29·856	29·458	28th	29·197	9th	·261	75·3	96·4	+3·1	67·9	+0·3	82·2	+1·7	28·5	102·0	2nd & 3rd.	58·0	25th	44·0
	Mainpuri	516	29·365	—·011	29·850	29·512	28th	29·244	6th & 9th,	·268	74·6	97·9	+5·0	65·3	+0·7	81·6	+2·9	32·6	102·8	2nd & 3rd.	55·3	26th	47·5
	Bareilly	568	29·295	—·029	29·841	29·441	28th	29·148	6th	·293	72·9	94·5	+5·0	64·7	—0·6	79·6	+2·2	29·8	99·3	2nd & 3rd, 1st	55·0	26th, 27th & 28th.	44·3
	Meerut	738	29·127	—·024	29·847	29·264	28th	28·980	9th	·284	72·3	95·4	+4·9	62·6	+0·2	79·0	+2·6	32·8	99·1	4 days	51·8	26th	47·3
	Roorkee	899	28·975	—·017	29·867	29·123	28th	28·842	9th	·281	70·3	91·8	+2·5	59·0	—2·3	75·5	+0·1	32·8	96·5	7th	49·9	26th	46·6
	Dehra Dun	2,223	27·652	—·026	29·873	27·776	28th	27·520	9th	·256	68·5	87·6	+5·3	60·6	0	74·1	+2·7	27·0	91·5	6th	53·5	27th	38·0
	V.—Punjab.																						
12	Delhi	718	29·163	—·013	29·860	29·300	28th	29·019	9th	·281	75·3	96·0	+3·9	69·7	+1·8	82·9	+2·9	26·3	100·7	11th	59·7	25th	41·0
	Sirsa	682	29·209	—·019	29·851	29·361	27th & 28th.	29·070	9th	·291	73·9	96·2	+0·1	64·2	+1·6	80·2	+0·9	32·0	102·3	2nd	52·6	23rd	49·7
	Patiala	*818*	29·039		29·842	29·177	28th	28·883	9th	·294	73·3	93·5		63·2		78·4		30·3	98·2	3rd	53·7	24th	44·5
	Ambala	892	28·963	—·028	29·845	29·101	28th	28·814	9th	·287	71·2	94·3	+1·1	61·6	+0·8	78·0	+1·0	32·7	98·5	4 days	51·0	28th	47·5
	Ludhiana	812	29·058	—·016	29·858	29·209	28th	28·919	9th	·290	73·1	94·3	+2·4	64·6	+1·6	79·4	+2·0	29·7	99·5	6th, 9th & 11th,	55·5	26th	44·0
	Lahore	702	29·141	—·041	29·832	29·285	27th	29·002	20th	·283	71·3	97·1	+2·0	62·4	+3·3	79·8	+2·7	34·7	104·4	2nd	51·2	24th	53·2
	Sialkot	830	29·025	—·026	29·847	29·156	27th	28·881	7th	·275	71·8	94·3	+2·0	60·7	—1·2	77·5	+0·4	33·6	100·7	2nd	51·1	26th	49·6
	Rawalpindi	1,674	28·187	—·046	29·874	28·318	27th	28·029	20th	·289	69·3	92·3	+4·6	58·7	+2·9	75·8	+3·8	34·1	100·4	3rd & 8th.	49·1	26th	51·3
13	Khushab	612	29·255	?	29·849	29·403	27th	29·080	21st	·323	76·1	96·3	+2·5	63·8	+1·9	80·1	+2·2	32·5	103·9	4th & 9th.	51·4	24th	52·5
	Montgomery	558	29·302	—·026	29·839	29·463	27th	29·132	20th	·331	75·5	97·3	+0·7	62·9	+0·7	80·1	+0·7	34·4	103·8	4 days	52·1	23rd	51·7
	Multan	420	29·420	—·040	29·825	29·601	27th	29·243	20th	·358	75·0	97·2	+1·7	65·8	+1·4	81·5	+1·6	31·4	103·8	8th & 9th.	56·0	23rd	47·8
	VI.—North-West Frontier Province.																						
15	Peshawar	1,110	28·766	—·054	29·891	28·889	27th	28·598	20th	·291	68·3	89·0	+0·6	59·6	+2·4	74·3	+1·5	29·4	97·7	2nd	50·9	26th	46·8
	D. I. Khan	590	29·289	—·039	29·842	29·452	27th	29·112	20th	·340	72·3	96·1	+2·1	61·0	+0·4	78·6	+1·3	35·1	104·3	3rd	50·1	26th	54·2
	VII.—Sind.																						
17	Jacobabad	186	29·709	—·002	29·861	29·843	27th	29·576	9th	·267	74·2	98·6	0	63·4	+0·9	81·1	+0·5	35·2	106·1	11th	50·8	23rd	55·3
	Hyderabad	96	29·816	+·007	29·869	29·945	27th	29·694	20th	·251	75·8	97·6	—0·4	67·5	—2·5	82·6	—1·5	30·1	105·6	10th	55·5	25th	50·1
	Kurrachee	30	29·912	+·009	29·893	30·011	27th	29·809	20th	·202	76·5	90·6	—1·0	70·5	—0·4	80·6	—0·7	20·1	97·9	17th	57·2	23rd & 26th,	40·7
	VIII.—Rajputana.																						
18	Bikaner	*771*	29·110	0	29·861	29·245	27th	28·968	21st	·277	76·5	95·5	—0·4	70·5	—0·9	83·0	—0·7	25·0	101·1	9th, 10th 11th,	58·0	24th	43·1
	Jodhpur	782	29·139		29·917	29·244	27th	29·013	21st	·231	75·2	96·0		65·6		80·8		30·4	101·1	16th	55·3	24th	45·8
	Pachpadra	*380*	29·508	?	29·856?	29·645	28th	29·415	10th	·230	73·0	96·4	—2·4	61·8	—3·2	79·0	—2·8	34·6	101·3	16th	45·2	24th	56·1
19	Jaipur	1,431	28·489	—·009	29·898	29·611	27th & 28th,	28·385	9th	·226	77·3	96·2	+1·9	64·8	+0·8	80·6	+1·4	31·4	100·2	5 days	55·1	26th	45·1
	Sambhar	1,256	28·656	—·002	29·899	29·780	28th	28·542	9th	·238	73·2	94·6	+1·3	63·5	—0·1	79·1	+0·6	31·1	99·4	3rd & 16th.	52·5	25th & 26th.	46·9
	Ajmer	1,611	28·324	—·001	29·925	29·425	28th	28·222	21st	·213	72·6	94·2	+2·2	67·4	+4·2	80·8	+3·2	26·8	97·9	13th	56·2	25th	41·7
	Kotah	819*	29·075		29·901	29·301	28th	28·979	9th	·222	80·6	97·3		71·1		84·2		26·2	101	12th	62·6	31st	38·4
	Udaipur	1,925	28·019		29·919	28·127	28th	27·922	21st	·205	74·8	99·7		62·7*		78·3*		31·0	97·5	10th	56·3	25th & 26th.	41·2

N.B.—Elevations in italics indicate barometrical determinations. *Mean of 30 days. NOTE.—The barometric readings are not reduced to sea-level in the cases

B—*continued.*

stations, in India, etc., in October, 1907—continued.

Wind Direction.											Wind Velocity.			Wind Steadiness.		Hygrometry, 8 hrs.				Cloud.		Rainfall.									Heaviest rainfall during month.	Station.
Number of winds from									Resultant direction.	Normal direction.	Mean velocity in miles per hour.	Normal.	Departure from normal.	Actual percentage.	Departure from normal.	Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Mean cloud amount at 8 hrs.	Departure from normal.	Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 31st October 1907.	Normal rainfall for period, 1st May to 31st October.	Departure from normal of period, 1st May to 31st October 1907.		
Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.																							
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																															IV.—United Provinces of Agra and Oudh—*contd.*	
18	1			1			3	5	3	N 82° W	S 76° W	1·5	2·1	−0·6	27	− 2	47	−19	·434	−·168	0·2	−0·9	0	1·50	−1·50	0	1·42	−1·42	21·34	33·88	−12·54	0	Cawnpore.
23	2				1		2	1	2	N 68° W	N 58° W	1·2	1·8	−0·6	10	+ 1	51	−21	·475	−·153	0·5	−0·9	0	1·60	−1·60	0	1·16	−1·16	13·37	36·63	−23·26	0	Lucknow.
16		1	6	5				3		S 85° E	N 77° E	1·6	1·6	0	27	+17	67	− 9	·650	−·041	0·1	−1·2	0	1·40	−1·40	0	1·55	−1·55	15·26	45·27	−30·01	0	Bahraich.
16	5	5				3	2			N 6° W	S 70° W	4·0	2·4	+1·6	20	−22	?	?	?	?	0·6	−0·3	0	0·90	−0·90	0	0·64	−0·64	20·62	36·73	−16·11	0	Jhansi.
11		3				10		7		W	N 68° W	4·2	3·1	+1·1	32	− 8	44	−13	·393	−·104	0·1	−0·7	0	0·60	−0·60	0	0·38	−0·38	19·70	26·81	− 7·11	0	Agra.
12	2	2	1	1	1	5	4	3		N 38° W	N 83° W	1·4	0·9	+0·5	21	+ 5	48	−17	·421	−·111	0·2	−0·9	0	0·80	−0·80	0	1·12	−1·12	12·43	29·90	−16·47	0	Mainpuri.
26		2	1				1	1		N 45° E	N 15° W	0·6	1·3	−0·7	3	− 3	60	−15	·501	−·104	0	−0·8	0	0·91	−0·91	0	1·00	−1·00	21·97	44·63	−22·66	0	Bareilly.
26		1					3	1		N 86° W	S 88° W	1·1	1·2	−0·1	10	− 3	53	−13	·436	−·049	0·1	−0·5	0	0·50	−0·50	0	0·35	−0·35	5·50	28·39	−22·89	0	Meerut.
27		2		2						E	S 58° E	1·4§	1·3	+0·1	9	+ 3	59	−15	·424	−·101	0·2	−0·5	9	0·80	−0·80	0·01	0·38	−0·37	17·45	38·25	−20·80	0·01	Roorkee.
31										‡	S 27° E	1·2	1·3	−0·1			58	−10	·405	−·038	0·5	−0·7	0	1·10	−1·10	0	0·92	−0·92	33·84	81·37	−48·03	0	Dehra Dun.
																															V.—Punjab.	
2				3		2	17	7		N 86° W	N 83° W	3·6	2·3	+1·3	69	+37	45	− 5	·404	−·018	0·3	−0·5	0	0·60	−0·60	0	0·06	−0·06	7·69	24·80	−17·11	0	Delhi.
13	1			1	3	4	7	2		S 69° W	S 31° W	2·9	3·4	−0·5	40	+18	48	− 2	·410	+·010	0·4	−0·2	0	0·40	−0·40	0	0·11	−0·11	13·25	12·36	+ 0·89	0	Sirsa.
2	6		6	3			5	9		N 17° W		4·8			32		46		·385		0·5		0			0			18·51			0	Patiala.
16			1	6			2	6		W	N 10° W	2·1	1·1	+1·0	3	− 1	55	−15	·424	−·086	0·6	+0·1	0	0·40	−0·40	0·02	0·02	−0·01	16·72	26·97	−10·25	0·02	Ambala.
15		2		8		2	1	3		S 36° E	S 55° E	1·4	1·1	+0·3	17	+ 6	51	−10	·420	−·038	0·8	−0·2	0	0·50	−0·50	0	0·33	−0·33	22·02	23·19	− 1·17	0	Ludhiana.
22	1			2	3	2		1		S 45° E	S 83° E	1·9	1·6	+0·3	13	+ 1	54	− 3	·422	−·009	0·8	+0·3	1	0·40	+0·60	0·15	0·20	−0·05	9·39	16·36	− 6·97	0·15	Lahore.
8	3	11	6	1	1			1		N 54° E	N 54° E	2·0	1·4	+0·6	56	+24	55	− 4	·434	0	0·8	+0·1	0	1·00	−1·00	0·03	0·25	−0·22	15·07	24·89	− 9·82	0·03	Sialkot.
26		3	1			1				N 59° E	N 5° W	3·0	1·4	+1·6	7	− 7	43	−19	·305	−·086	1·6	+0·6		1·30	−1·30	·0	0·44	−0·44	14·50	24·38	− 9·88	0	Rawalpindi.
12		10	3		2	2	1	1		N 58° E	N 48° E	2·7	3·9	−1·2	27	−16	35	−10	·330	−·021	0·6	+0·3	0	0·20	−0·20	0	0·01	−0·01	6·08	10·30	− 4·22	0	Khushab.
11		1	1	3	7	4	2	2		S 13° W	S 41° E	5·4	4·1	+1·3	33	− 3	31	−15	·278	?	0·4	−0·2	0	0·10	−0·10	0·02	0·03	−0·01	12·24	7·78	+ 4·46	0·02	Montgomery.
20	1	1		4		5				S	S 40° E	1·7	1·5	+0·2	15	− 6	47	− 9	·417	−·045	0·2	−0·2	0	0	0	0	0	0	6·57	5·67	+ 0·90	0	Multan.
																															VI.—North-West Frontier Province.	
27					2	1	1			S 33° W	S 40° W	1·5	2·3	−0·8	13	− 1	53	− 6	·379	−·004	1·3	+0·4	0	0·40	−0·40	0	0·09	−0·09	3·04	5·68	−2·64	0	Peshawar.
14	5	4	1					7		N 5° W	N 34° E	1·5	1·1	+0·4	43	+18	48	− 9	·387	−·020	0·5	0	0	0·20	−0·20	0	0·04	−0·04	5·45	5·32	+0·13	0	D. I. Khan.
																															VII.—Sind.	
13	1			2	5	2		8		S 78° W	N 41° E	3·0	2·1	+0·9	20	+ 9	61	+ 9	·532	+·094	0·1	−0·2	0	0	0	0	0	0	3·29	2·67	+0·62	0	Jacobabad.
4	4	2	1	1	6	10		3		S 44° W	S 56° W	6·4	8·6	−2·2	27	− 2	56*	+ 2	·517*	+·022	0·2	−0·4	0	0	0	0	0	0	4·81	6·07	−1·26	0	Hyderabad.
3	4	4		1		1	9	9		N 47° W	N 50° W	8·0	9·4	−1·4	59	+30	64	− 6	·616	−·043	3·4	+2·2	0	0	0	0	0	0	5·63	6·65	−1·02	0	Kurrachee.
																															VIII.—Rajputana.	
		1	2	3	4	11	9	1		S 45° W	S 48° W	6·0	4·9	+1·1	59	+12	51	+ 4	·477	+·023	0·4	−0·5	0	0·30	−0·30	0	0·09	−0·09	18·64	10·12	+ 8·52	0	Bikaner.
7	3	3	3	1	3	6	3	2		S 63° W		3·1			10		40		·358		0·2		0	0·30	−0·30	0	0·17	−0·17	10·27	12·43	− 2·16	0	Jodhpur.
9		1	3	1	2	7	7	1		S 52° W		6·5	4·0	+2·5	33		61	+ 7	·506	+·030	0	−1·1	0	0·20	−0·20	0	0·07	−0·07	18·26	12·49	+ 5·77	0	Pachpadra.
11	8	5					1	6		N 7° W	N 42° W	3·5§	3·1	+0·4	53	+ 6	41	− 9	·304	−·051	0·3	−0·8	0	0·50	−0·50	0	0·22	−0·22	14·17	24·48	−10·31	0	Jaipur.
25					1	5				S 32° W	N 53° W	2·8§	4·1	−1·3	20	− 2	53	+ 2	·451	+·027	0·1	−0·8	0	0·40	−0·40	0	0·13	−0·13	16·05	19·27	− 3·22	0	Sambhar.
21			2		3	3	2			S 67° W	S 32° W	3·9	2·8	+1·1	17	−12	54	− 5	·452	−·012	0·2	−0·8	0	0·60	−0·60	0	0·29	−0·29	11·70	20·38	− 8·68	0	Ajmer.
18	1			1	5	3	3			S 81° W		1·8			30		35		·370		0·2		0	0·60	−0·60	0	0·50	−0·50	15·39	29·11	−13·72	0	Kotah.
23	3	1				1	3			N 22° W		3·3			20		54		·464		0·1		0	0·30	−0·30	0			16·33			0	Udaipur.

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

§ Uncorrected readings.
‡ Indeterminate.

Table

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

Number of sub-divisions.	Station.	Elevation of barometers above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2.	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	IX.—Bombay.																						
20	Deesa	466	29·460	+·001	29·889	29·550	28th	29·377	21st	·173	76·0	98·9	+2·0	63·7	−3·1	81·3	−0·6	35·2	102·3	15th & 16th.	57·9	18th	44·4
	Bhuj	395	29·542	+·014	29·899	29·621	28th	29·446	21st	·175	77·3	96·0	−0·1	67·6	−3·3	81·8	−1·7	28·4	101·6	15th	61·0	23rd	40·6
	Jamnagar	61	29·877		29·883	29·957	28th	29·784	21st	·173	78·9	89·8		68·4		78·9		21·4	96·1	30th	60·2	23rd	35·9
	Dwarka	37?	29·918		29·901	29·992	27th	29·844	6th & 21st.	·148	79·0	85·6		73·2		79·4		12·4	95·3	30th	64·7	24th	30·6
	Rajkot	429	28·526	+·023	29·912	29·602	28th	29·452	6th	·150	78·3	97·3	+2·0	66·7	−1·4	82·0	+0·3	30·6	102·9	14th	60·0	18th & 23rd.	42·9
	Veraval	*18*	29·913	0	29·873	29·987	11th	29·836	20th	·151	77·6	87·1	−2·2	70·3	−2·0	78·7	−2·1	16·8	99·2	29th	60·8	24th	38·4
	Bhavnagar Para	55	29·887	−·019	29·886	29·966	27th	29·802	29th	·164	80·3	99·5	+3·4	70·3	−1·9	84·9	+0·8	29·2	102·1	16th	65·5	23rd & 24th.	36·6
	Surat	39	29·888	−·009	29·872	29·959	11th & 12th.	29·825	6th	·128	80·2	98·2	+5·2	72·9	+2·1	85·6	+3·7	25·3	103·1	6th	66·1	31st	36·0
	Ahmedabad	163	29·764	−·009	29·878	29·856	28th	29·703	20th	·153	79·1	98·7	+2·0	71·1	−1·0	84·9	+0·5	27·6	101·6	13th	65·7	18th	35·9
26	Bombay	37	29·888	−·010	29·865	29·950	11th	29·823	20th	·127	80·0	88·3	+0·8	77·4	+0·9	82·9	+0·9	10·9	93·0	30th	74·0	31st	19·0
	Ratnagiri	110	29·808	+·004	29·858	29·864	28th	29·759	20th	·105	81·6	88·7	+0·5	75·2	+1·2	81·9	+0·9	13·5	95·8	31st	68·9	31st	26·9
	Goa	199	29·706	?	29·843	29·782	28th	29·650	5th	·132	80·9	86·9	+1·6	76·8	+1·3	81·8	+1·5	10·1	89·0	25th & 26th.	71·0	31st	18·0
	Mormugao	*60*	29·872	0	29·867	29·941	11th	29·817	5th	·124	80·4	87·1	+1·1	77·0	+1·4	82·1	+1·3	10·1	89·5	20th	71·4	26th	18·1
	Karwar	44	29·878	−·002	29·856	29·940	29th	29·824	5th	·116	79·5	88·0	+2·6	76·2	+2·8	82·1	+2·7	11·8	90·8	26th	71·5	28th, 29th & 31st.	19·3
27	Malegaon	1,430	28·537	+·029	29·929	28·617	29th	28·476	20th	·141	79·8	97·7	+7·1	67·8	+2·0	82·8	+4·6	29·9	100·4	16th	56·6	31st	43·8
	Ahmednagar	2,154	27·814	+·017	29·908	27·888	29th	27·743	6th	·145	80·0	93·3	+5·2	65·7	+1·1	79·5	+3·2	27·6	96·9	16th	54·5	31st	42·4
	Poona	1,846	29·094	−·009	29·901	29·164	28th	29·033	6th	·131	76·0	91·6	+3·1	66·1	−0·4	78·9	+1·4	25·5	97·0	20th	54·3	31st	42·7
	Sholapur	1,590	28·341	+·002	29·365	28·421	28th	28·261	9th	·160	79·9	95·2	+5·3	69·0	+0·9	82·1	+3·1	26·2	98·3	9th	61·9	30th	36·4
	Bijapur	*1,948*	27·986	+·006	29·879	28·068	28th	27·919	6th	·149	78·6	92·7	+4·5	69·5	+1·7	81·1	+3·1	23·2	95·2	16th & 23rd.	61·2	30th	34·0
	Belgaum	2,539	27·397	+·006	29·874	27·467	11th	27·346	5th	·121	74·4	86·0	+2·9	65·0	0	75·5	+1·5	21·0	88·8	15th	57·6	31st	30·7
	X.—Central India.																						
21	Neemuch	1,684	28·308	−·003	29·902	28·415	28th	29·227	9th & 20th.	·188	78·3	94·0	+3·6	65·5	+1·0	79·8	+2·3	28·5	97·0	3rd & 14th.	57·7	31st	39·3
	Indore	1,823	28·125	+·017	29·906	28·223	28th	28·057	20th	·166	79·2	93·2	+5·3	64·5	+0·9	78·9	+3·1	28·7	95·6	13th	56·1	31st	39·5
22	Nowgong	754	29·148	−·008	29·878	29·288	28th	29·030	6th	·248	73·8	93·4	+3·1	64·4	−0·7	78·9	+1·2	29·0	97·0	7th, 12th & 13th	55·5	26th, 27th & 28th.	41·5
	Sutna	1,040	28·848	−·020	29·868	28·989	28th	28·721	6th	·269	75·6	94·3	+6·4	65·7	0	80·0	+3·2	28·6	97·5	12th & 13th.	56·7	31st	40·8
	XI.—Central Provinces.																						
23	Buldana	2,132								8 hrs.	observations not available.												
	Akola	930	28·997	−·001	29·888	29·108	28th	28·804	6th	·304	80·5	98·3	+7·0	68·0	+1·8	83·2	+4·5	30·3	100·7	8th, 12th & 15th.	56·1	30th	44·6
	Amraoti	1,215	28·720	+·014	29·891	28·828	28th	28·623	6th	·305	81·5	96·6	+6·0	70·4	+2·2	83·5	+4·1	26·2	98·8	7th & 8th.	60·8	29th & 30th.	38·0
24	Khandwa	1,044	28·879	0	29·894	28·965	29th	28·814	6th	·151	77·7	98·0	+6·9	68·5	+2·2	83·2	+4·6	29·5	100·2	12th	56·1	30th	45·1
	Hoshangabad	1,006	28·925	−·005	29·912	29·044	28th	28·830	6th	·214	74·3	94·1	+4·5	64·4	−2·5	79·2	+1·0	29·7	97·1	13th & 14th.	53·9	30th	43·2
	Saugor	1,807	28·117	0	29·884	28·235	28th	28·013	6th	·222	78·6	93·1	+5·5	68·3	+2·6	80·7	+4·1	24·8	96·6	14th	61·5	29th & 30th.	35·1
	Jubbulpore	1,327	28·592	+·003	29·904	28·719	28th	28·484	6th	·235	72·2	93·2	+5·8	62·2	−1·8	77·7	+2·0	31·0	95·5	4 days	52·3	28th & 30th.	43·2
	Seoni	2,033	27·906	+·011	29·895	28·002	28th	27·799	6th	·203	77·5	92·4	+5·8	63·1	−1·1	77·8	+2·4	29·3	96·3	8th	52·5	29th	43·8
	Nagpur	1,017	28·908	+·014	29·892	29·026	28th	28·796	6th	·230	77·3	95·5	+5·4	66·9	−1·5	81·2	+2·0	28·6	98·6	7th	55·6	31st	43·0
2	Pendra	2,123?	27·886		29·876	28·006	28th	27·761	6th	·247	76·2	89·4		65·0		77·2		24·4	93·8	12th	57·2	27th & 28th.	35·6
	Raipur	970	28·946	+·004	29·881	29·094	29th	28·813	5th	·281	76·2	92·3	+4·0	65·6	−3·9	79·1	+0·1	26·5	95·7	8th	57·4	30th	38·3
	Chanda	*634*	29·280	−·002	29·868	29·394	28th	29·175	7th	·219	77·8	92·8	+2·7	65·8†	−2·7	79·3†	0	27·0	97·0	6th	54·5	31st	42·5

N.B.—Elevations in italics indicate barometrical determinations.
NOTE.—The barometric readings are not reduced to sea-level, in the cases of hill or plateau stations, the elevations of which exceed 3,200 feet.
† Mean of 30 days.

B—*continued.*

***stations, in India, etc., in October, 1907*—continued.**

Wind Direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind Velocity. Mean velocity in miles per hour.	Normal.	Departure from normal.	Wind Steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs., in inches of mercury.	Departure from normal, in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 31st October 1907.	Normal rainfall for period, 1st May to 31st October.	Departure from normal of period, 1st May to 31st October 1907.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																IX.—Bombay.
5	2	6	7	3	4	2	2		S 82° E	S 77° E	†6·6*	6·6	0	33	−3	52	+2	·473	−·014	1·3	0	0	0·45	−0·45	0	0·28	−0·28	53·19	23·61	+29·58	0	Deesa.
4	2		1			3	8	13	N 63° W	N 62° W	6·3	6·8	−0·5	66	+17	69	+9	·637	+·032	1·2	+0·1	0	0·50	−0·50	0	0·28	−0·28	14·55	13·99	+0·56	0	Bhuj.
2	1		3	1	2	4	11	7	N 88° W		10·4			49		68		·673		0		0			0			21·38			0	Jamnagar.
3	5	2				3	7	11	N 52° W		8·4*			62		77		·772		1·5		0			0			16·54			0	Dwarka.
	3	2		3	2	2	3	16	N 50° W	N 5° W	4·6	5·7	−1·1	53	+14	61	−6	·587	−·071	1·9	+0·7	0	0·90	−0·90	0	0·49	−0·49	18·25	27·62	−9·37	0	Rajkot.
6	12	2						10	N 13° W	N 2° E	7·3	6·1	+1·2	72	+7	68	+2	·638	−·024	0·6	−1·7	0	0·10	−0·10	0	0·77	−0·77	17·49	17·55	−0·06	0	Veraval.
5	2	4	1		1			18	N 9° W	N 73° W	3·1	6·8	−3·7	19	−26	56	−8	·564	−·086	1·1	−0·4	0	0·90	−0·90	0	0·29	−0·29	13·89	18·99	−5·10	0	Bhavnagar Para.
4	13	5	4	1	2			1	N 30° E	N 53° E	3·2	4·4	−1·2	53	+35	62	−11	·646	−·072	1·0	−1·0	0	2·20	−2·20	0	2·00	−2·00	38·75	43·73	−4·98	0	Surat.
8	5	8	1					9	N 1° E	N 8° E	3·7	3·3	+0·4	55	+22	49	−7	·488	−·078	0·4	−1·3	0	0·80	−0·80	0	0·77	−0·77	33·00	32·56	+0·44	0	Ahmedabad.
	6	7	10	2	2		1	3	N 54° E	N 8	6·9*	9·1	−2·2	56	−12	81	+2	·868	+·022	2·6	−0·8	1	2·70	−1·70	0·67	2·24	−1·57	100·45	74·45	+26·00	0·65	Bombay.
9	1	4	11	6					S 89° E	S 68° E	6·6	6·2	+0·4	58	+18	77	−1	·830	+·025	2·1	−1·6	0	5·00	−5·00	0·06	4·47	−4·41	80·54	106·61	−26·07	0·06	Ratnagiri.
2	2	6	10	1	7	2	1		N 76° E	N 80° E				43	−13	80	−5	·852	−·001	4·9	+0·9	1			0·36	5·42	−5·06	90·28	96·66	−6·38	0·30	Goa.
19		3	3	4	1	1			S 72° E	S 67° E	3·3*	6·1	−2·8	23	−6	88	−2	·913	+·023	4·3	+0·3	1			0·66	6·17	−5·51	85·20	91·18	−5·98	0·65	Mormugao.
13	16						2		N 7° W	N 48° E	1·4*	2·5	−1·1	53	+6	87	−2	·877	+·064	4·0	0	1	8·50	−7·50	0·43	7·26	−6·83	95·23	120·97	−25·74	0·30	Karwar.
29					1		1		S 45° W	N 61° W	5·2	5·8	−0·6	3	−36	42	−21	·440	−·140	0·7	−2·4	0	3·00	−3·00	0	2·42	−2·42	21·81	23·04	−1·23	0	Malegaon.
2	6			8	5			10	N 31° W	N 36° E	7·0	8·0	−1·0	7	−25	39	−29	·410	?	2·3	−0·4	1	5·20	−4·20	0·21	2·14	−1·93	17·00	20·27	−3·27	0·21	Ahmednagar.
31									(a)	S 69° E	3·0*	6·3	−3·3			65	−6	·601	0	1·7	−2·2	1	5·60	−4·60	0·33	4·40	−4·07	29·47	25·82	+13·65	0·33	Poona.
4	2	5	2	13	1			4	S 81° E	N 88° E	7·6	8·2	−0·6	40	+17	47	−16	·482	−·099	2·0	−2·4	0	4·70	−4·70	0	4·16	−4·16	21·84	28·57	−6·73	0	Sholapur.
	3	1	4	11	4		2	6	S 58° E	N 77° W	5·2	4·0	+1·2	27	+19	52	−22	·507	?	1·1	−2·9	0	6·60	−6·60	0·06	4·50	−4·44	9·36	21·94	−12·58	0·06	Bijapur.
26		1	1	1			2		E	N 53° E	4·5*	9·6	−5·1	1	−17	72	−8	·610	−·015	2·5	−2·0	2	8·70	−6·70	0·77	5·98	−5·19	53·54	45·85	+7·69	0·36	Belgaum.
																																X.—Central India.
7	10	3	1		1	1	4	4	N 18° W	N 2° E	5·0	6·0	−1·0	46	+28	40	−9	·386	−·069	0·5	−0·6	0	0·90	−0·90	0	0·41	−0·41	19·71	29·10	−9·39	0	Neemuch.
14	5	8	1	1			1	1	N28 °E	N 18° E	1·6	2·2	−0·6	43	+18	43	−19	·442	−·100	0·8	−0·6	0	2·40	−2·40	0·01	1·43	−1·42	27·20	32·61	−5·41	0·01	Indore.
10	1				6	5	9		S 55° W	S 67° W	1·5	1·5	0	53	+28	56	−13	·478	−·069	0·8	−1·0	0	1·70	−1·70	0	1·25	−1·25	28·76	42·68	−13·92	0	Nowgong.
4						5	14	8	N 85° W	N 27° W	2·4	3·9	−1·5	76	+27	57	−9	·515	−·055	3·1	+1·5	0	2·10	−2·10	0	2·45	−2·45	28·90	43·00	−14·10	0	Sutna.
																																XI.—Central Provinces.
																8 hrs.	observations not available.															Buldana.
6		1	6	3	1	6	2	1	S 30° E	N 58° E	3·1	3·5	−0·4	33	+15	43	−21	·462	−·108	2·5	0	0	2·70	−2·70	0	2·74	−2·74	19·34	31·74	−12·40	0	Akola.
9	3	9	6	1	1	4	2	1	N 53° E	N 63° E	4·0	3·8	+0·2	23	+1	42	−19	·449	−·113	3·0	+0·5	0	2·40	−2·40	0	2·33	−2·33	23·79	32·36	−8·57	0	Amraoti.
15	1	1	1	4	1		2	6	N 39° W	N 2° E	2·8	3·1	−0·3	10	−1	49	−13	·476	−·065	2·5	+0·6	0	2·00	−2·00	0	1·45	−1·45	15·70	30·13	−14·43	0	Khandwa.
20		2	3	1		4	1		S 32° E	N 78° E	1·1	1·7	−0·6	7	−11	57	−14	·495	−·094	2·5	+0·4	0	2·10	−2·10	0	1·75	−1·75	37·07	50·24	−13·17	0	Hoshangabad.
5	2		3	2	2	12	5		S 43° W	S 27° W	3·6	3·1	+0·5	46	+32	35	−25	·348	−·162	1·3	−0·2	0	2·10	−2·10	0	1·27	−1·27	34·49	46·11	−11·62	0	Saugor.
1		2		11	12	3	2		S 14° E	S 27° E	1·8	1·9	−0·1	69	+33	58	−17	·463	−·143	0·9	−1·1	0	2·20	−2·20	0	1·86	−1·86	29·30	56·44	−27·14	0	Jubbulpore.
11	3	2	2	1	1	5	3	3	N 73° W	N 9° E	3·2	2·7	+0·5	17	−6	45	−21	·427	−·138	2·3	0	0	2·80	−2·80	0	2·03	−2·03	23·25	51·75	−13·50	0	Seoni.
12	12	1	1				3	2	N 11° W	N 7° E	1·7	3·9	−2·2	46	+17	53	−12	·507	−·088	2·3	−0·5	0	3·10	−3·10	0	2·43	−2·43	42·82	46·43	−3·61	0	Nagpur.
13	3	4		1	1	2	1	6	N 24° W		3·7			27		46		·422		2·3		0			0			33·95			0	Pendra.
23						5	3		S 61° W	N 27° E	2·9	3·8	−0·9	27	+9	61	−11	·563	−·091	0·2	−3·2	0	3·10	−3·10	0	2·09	−2·09	45·65	48·21	−2·56	0	Raipur.
22			1	5	2			1	S 39° E	N 14° E	1·2	2·3	−1·1	23	+5	66	−8	·616	?	1·4	−1·2	0	2·70	−2·70	0	2·00	−2·00	40·41	51·88	−11·47	0	Chanda.

(a) Indeterminate. * Uncorrected.

Table

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

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	XII.—Hyderabad.																						
28	Aurangabad	1,905	28·058		29·903	28·129	28th	27·985	6th	·144	82·4	94·6		68·1		81·4		26·5	99·2	21st	55·7	30th	43·5
	Nizamabad	1,280	28·676		29·895	28·756	28th	28·582	6th	·174	79·4	92·3		67·9		80·1		24·4	94·4	15th	58·2	31st	36·2
	Bidar	*2,165*	27·798		29·899	27·905	28th	27·730	5th	·175	80·2	89·7		70·3		80·1		19·4	91·9	17th	65·5	30th & 31st.	26·4
29	Gulbarga	1,503	28·425	—·002	29·884	28·511	28th	28·304	6th	·207	78·5	95·0	+5·0	67·3	−1·7	81·2	+1·7	27·7	98·0	16th	60·3	31st	37·7
	Raichur	*1,311*	28·610	+·009	29·871	28·685	28th	28·535	6th	·150	81·0	94·2	+5·3	72·6	+0·4	83·4	+2·9	21·7	97·1	8th, 9th & 16th.	67·1	25th & 26th.	30·0
	Hyderabad (Dn.)	1,690	28·239	+·010	29·891	28·324	28th	28·157	6th	·167	76·2	92·7	+5·0	67·8	−0·3	80·2	+2·4	24·8	95·3	9th 10th & 11th.	60·7	29th, 30th 31st.	34·6
	Hanumkonda	871	29·037		29·864	29·136	29th	28·937	6th	·199	78·3	91·7		69·7		80·7		•22·0	95·0	8th, 9th & 10th.	61·7	30th	33·3
	XIII.—Mysore.																						
30	Chitaldroog	2,405	27·541	+·003	29·883	27·598	11th & 28th.	27·432	4th	·116	75·4	86·9	+2·3	63·4	+0·6	77·7	+1·5	18·5	89·6	10th & 15th.	63·4	24th	26·2
	Hassan	3,091	26·896	+·006	29·906	26·958	28th	26·841	4th	·117	72·0	83·5	+2·1	63·4	−0·9	73·5	+0·6	20·1	86·6	17th	58·5	27th	28·1
	Bangalore	3,021	26·945	—·011	29·884	27·013	28th	26·893	4th	·120	72·7	84·1	+2·7	65·0	−0·2	74·6	+1·3	19·1	87·3	10th	59·8	13th	27·5
	Mysore	2,518	27·442	−·001	29·905	27·514	28th	27·385	5th	·129	73·2	85·5	+1·4	67·1	+0·1	76·3	+0·8	18·4	89·0	18th	63·5	28th & 30th.	25·5
	XIV.—Madras.																						
31	Mangalore	65	29·868	—·010	29·865	29·937	15th & 28th.	29·813	5th	·124	81·3	86·6	+0·9	75·8	+1·2	81·2	+1·1	10·8	90·2	28th	72·9	16th	17·3
	Calicut	27	29·904	—·011	29·859	29·974	11th	29·846	5th	·128	79·3	86·5	+0·3	75·3	+0·8	80·9	+0·6	11·2	88·9	23rd	73·1	5th	15·8
	Cochin	9	29·926	—·008	29·863	29·980	28th	29·885	5th	·095	79·8	87·6	+1·4	75·3	+0·7	81·5	+1·1	12·3	90·3	23rd & 26th.	73·7	5 days	16·6
	Trivandrum	198	29·737	—·003	29·867	29·801	15th	29·690	24th	·111	78·1	82·2	−0·5	75·3	+2·5	78·8	+1·0	6·9	84·8	11th	72·5	12th	12·3
32	Tinnevelly	168	29·758	+·004	29·856	29·843	28th	29·680	17th	·163	82·3	92·8	−0·9	76·4	−0·2	84·6	−0·6	16·4	99·3	18th	72·9	4th	26·4
	Pamban	37	29·873	—·008	29·837	29·959	28th	29·798	4th	·161	81·4	87·3	+0·2	77·9	+0·6	82·6	+0·4	9·4	91·8	22nd	72·7	2nd	19·1
	Madura	447	29·478	+·014	29·864	29·562	28th	29·408	17th	·154	80·0	90·8	−0·5	75·0	+1·0	82·9	+0·3	15·8	96·9	17th	70·6	21st	26·3
	Periyakulam	944	28·947?		29·837?	28·975	26th	28·836	4th	·079	79·2	88·8		72·3		79·2		16·5	92·8	18th	67·4	16th	25·4
	Pudukkottai	318	29·600		29·852	29·680	28th	29·533	17th	·147	79·0	90·1		74·6		82·4		15·5	98·3	16th & 17th.	70·7	26th	27·6
	Negapatam	21	29·866	—·017	29·826	29·945	11th	29·799	17th	·146	80·0	89·6	+1·2	75·7	−0·2	82·6	+0·5	13·9	98·9	17th	72·5	2nd	26·4
	Trichinopoly	255	29·661	—·003	29·853	29·747	28th	29·590	17th	·157	80·5	91·2	+0·2	75·2	+0·9	83·2	+0·6	16·0	98·6	17th	70·3	26th	28·3
	Coimbatore	1,348	29·572	—·006	29·877	29·695	25th	29·506	4th & 5th.	·189	75·1	88·0	−0·3	71·0	+0·4	79·5	+0·1	17·0	92·4	13th	66·3	5th	26·1
	Salem	940	28·995	—·012	29·882	29·085	28th	28·932	3rd	·153	78·4	90·1	+0·5	73·0	+1·9	81·6	+1·2	17·1	97·2	17th	67·4	14th	29·8
	Cuddalore	37	29·867	—·006	29·833	29·958	28th	29·789	5th	·169	79·6	88·1	0	75·5	+0·8	81·9	+0·4	12·6	98·1	17th	73·2	4 days	24·9
	Vellore	707	29·210		29·866	29·289	28th	29·135	17th	·154	76·9	89·4		70·8		80·1		18·6	98·7	8th	64·7	13th, 24th & 30th	34·0
	Madras	22	29·888	—·006	29·841	29·982	28th	29·792	17th	·190	80·5	89·0	0	75·4	+0·3	82·2	+0·2	13·6	99·0	16th	71·5	14th	27·5
33	Cuddapah	433	29·485	+·003	29·859	29·569	28th	29·406	5th & 6th.	·163	81·0	95·7	+3·3	73·5	−0·7	84·6	+1·6	22·2	101·7	8th, 9th 10th.	69·6	22nd, 25th & 29th.	32·1
	Bellary	1,475	28·445	+·002	29·877	28·521	28th	28·377	6th	·144	78·5	95·5	+5·3	71·6	+0·5	83·6	+3·2	23·9	99·0	10th	66·3	26th	32·7
	Kurnool	923	28·984	−·006	29·863	29·065	28th	28·892	6th	·173	76·8	95·2	+4·3	69·2	−1·8	82·2	+1·3	26·0	98·2	11th	61·1	26th	37·1
34	Nellore	61	29·853	+·013	29·848	29·949	27th	29·761	16th	·188	81·2	91·8	+0·6	74·3	−1·5	83·1	−0·5	17·5	99·8	8th	70·1	25th	29·7
	Masulipatam	15	29·912	?	29·862	30·013	28th	29·787	16th	·226	82·0	92·3	+2·4	76·6	+0·6	84·5	+2·0	15·7	98·6	7th	70·1	25th	28·5
	Cocanada	26	29·890	+·011	29·853	29·999	28th	29·736	16th	·263	80·5	90·1	+2·2	74·7	−1·1	82·4	+0·6	15·4	98·6	9th	69·0	31st	29·6
	Waltair (Vizagapatam)	*226*	29·681	+·003	29·850	29·793	28th	29·555	15th	·238	81·7	89·1		75·7		82·4		13·4	94·9	14th	71·9	22rd, 25th 31st.	23·0
	Calingapatam	19	29·899		29·858	30·032	28th	29·778	6th	·254													
	Gopalpur	72	29·852	?	29·866	29·981	28th	29·712	6th	·269	78·4	89·7	+2·1	72·8	−1·4	81·3	+0·4	16·9	95·2	6th & 13th.	65·0	29th	30·2

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

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

* Mean of 29 days.

† ,, 26 ,,

—*continued.*

tations, in India, etc., in October, 1907—continued.

Wind Direction. Number of winds from Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W	Resultant direction.	Normal direction.	Wind Velocity. Mean velocity in miles per hour.	Normal.	Departure from normal.	Wind Steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 31st October 1907.	Normal rainfall for period 1st May to 31st October.	Departure from normal of period, 1st May to 31 October 1907.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																XII.—Hyderabad.
9	2	3	8	2	2	4	1		S 75° E		6·6			27		40		·433		1·6		1	3·40	−2·40	0.70	1·80	−1·10	17·56	26·02	−8·47	0·70	Aurangabad.
14				4	1	5	1	6	S 62° W		2·88			23		60		·602		3·0		0	2·90	−2·90	0	1·87	−1·87	26·67	38·19	−11·52	0	Nizamabad.
	1	5	3	6	9	5	2		S 23° E		2·3			42		48		·498		2·8		0	4·40	−4·40	0	3·07	−3·07	27·35	38·21	−8·86	0	Bidar.
6	3	3	6	5	5	1	2		S 65° E	N 72° E	6·91	8·3	−1·4	33	+10	59	−11	·569	−·074	0·6	−3·0	1	5·00	−4·00	0·37	3·09	−2·72	31.10	29·35	+1·75	0·37	Gulbarga.
12		14		3		2			N 59° E	S 79° E	7·7	7·2	+0·5	43	+37	52	−19	·557	−·116	4·0	+0·6	0	4·20	−4·20	0	4·31	−4·31	17·99	28·64	−10·65	0	Raichur.
21									(a)	S 68° E	2·2	3·9	−1·7			56	−19	·523	−·145	2·9	−0·7	0			0	2·71	−2·71	17·92	28·45	−10·53	0	Hyderabad (Dn.)
16	3			1	9			2	S 8° W		4·2§			17		58		·573		2·9		0	4·10	−4·10	0			33·54			0	Hanumkond
																																XIII.—Mysore.
6		2	9	4		2	6	2	S 72° E	S 45° W	4·4	5·6	−1·2	13	− 1	68	− 8	·588	−·057	2·7	−3·4	1	7·70	−6·70	0·27	3·28	−3·01	16·44	21·00	−4·56	0·26	Chitaldroog.
13		5	6	3		1	1	2	N 77° E	N 53° E	1·2	2·5	−1·3	29	+ 6	81	− 1	·637	+·011	5·4	−1·7	6	9·50	−3·50	3·97	6·64	−2·67	27·17	28·72	−1·55	2·25	Hassan.
	2	5	12		3	3	6		N 57° E	N 1° E	6·0	4·7	+1·3	24	+21	75	− 5	·606	−·021	4·2	−1·9	3	9·30	−6·30	1·09	6·36	−5·27	23·47	29·28	−5·81	0·53	Bangalore.
		4	5	2		9	7	4	S 73° W	S 72° W	6·6	7·3	−0·7	23	+ 5	79	− 4	·659	0	6·8	−0·2	8	9·40	−1·40	4·95	6·98	−2·03	17·28	25·01	−7·75	1·33	Mysore.
																																XIV.—Madras.
8		5	15	2				1	N 82° E	S 89° E	3·8§	2·2	+1·6	62	+22	81	− 3	·806	+·052	4·5	−1·4	11	10·30	+0·70	6·83	7·55	−0·72	115·30	119·04	−3·74	3·21	Mangalore.
6	1	6	13	4	1				N 86° E	N 76° E	5·9	7·4	−1·5	66	+19	86	0	·869	+·033	6·6	+0·2	10	11·80	−1·80	5·96	9·75	−3·79	136·12	104·12	+32·00	2·61	Calicut.
7		6	8	5	3		1	1	S 84° E	N 34° E	5·0§	4·4	+0·6	46	− 8	83	− 2	·845	−·006	5·9	+0·2	12	14·80	−2·80	8·94	13·92	−4·98	106·14	98·96	+7·18	1·75	Cochin.
16	3	1					1	10	N 34° W	N 14° W	3·5§	5·0	−1·5	43	− 5	85	+ 1	·826	+·016	7·0	+0·2	13	11·90	+1·10	10·12	10·49	−0·37	64·12	46·63	+17·49	3·90	Trivandrum
14	3	2	1	1	1	4	4	4	N 43° W	N 51° W	2·5	4·4	−1·9	23	−30	73	+ 1	·800	+·024	5·7	−0·1	10	8·40	+1·60	5·10	6·30	−1·20	9·88	10·28	−0·40	1·15	Tinnevelly.
4	4	3	1	3	6	4	3	3	S 45° W	S 68° W	10·5	8·6	+1·9	13	− 9	86		·909		6·3		12	9·50	+2·50	14·04	8·63	+5·41	15·73	11·59	+4·14	4·01	Pamban.
	6	4	1	1			8	11	N 35° W	N 14° W	5·6	2·5	+3·1	62	+ 1	80	+ 6	·815	+·059	7·1	+1·3	5	11·40	−6·40	5·73	8·61	−2·88	16·50	23·25	−6·75	2·85	Madura.
23		1	2	1	3		1		S 34° E		19·8			13		76		·707		5·5		9	16·60	−1·60	7·00	7·55	−0·55	18·92	16·47	+1·95	1·47	Periyakulam
						2	2	9	N 24° W		6·5			59		82		·813		7·9		6			2·81			11·73			0·95	Pudukkotta
6	9	4																														
2	1	3				5	12	8	N 74° W	N 85° W	6·4	4·7	+1·7	62	+22	81	0	·837	−·025	6·6	+0·2	12	11·00	+1·00	7·80	11·65	−3·85	17·30	23·75	−6·45	2·42	Negapatam
9	4	1				3	10	4	N 69° W	N 77° W	3·0§	3·8	−0·8	49	+13	81	+ 1	·838	+·035	6·5	+0·2	9	9·70	−0·70	5·10	7·15	−2·05	19·14	21·16	−2·02	1·49	Trichinopo
3	2	4	2	2	5	3	4	1	S 38° W	S 4° E	3·8	2·8	+1·0	30	+ 5	82	− 5	·727	−·047	5·5	−0·2	7	9·40	−2·40	4·37	5·98	−1·61	13·07	13·58	−0·51	2·69	Coimbator
4	2	6	5			5	6	3	N 27° W	S 40° W	3·5	2·5	+1·0	20	+ 9	77	− 4	·758	−·023	7·2	+1·2	4	9·50	−5·50	3·92	6·72	−2·80	20·29	32·20	−11·91	2·73	Salem.
1	7				2	2	10	9	N 61° W	N 69° W	4·7	2·2	+2·5	66	+19	85	− 3	·862	−·047	5·8	−0·2	10	10·00	0	7·80	11·66	−3·86	22·30	29·01	−6·71	2·05	Cuddalore.
29			2						E		2·0			6		80¶		·741		3·5		4	9·30	−5·30	4·65	7·51	−2·86	24·94	28·18	−3·24	1·70	Vellore.
	7	1				5	3	9	6	N 71° W	N 88° W	4·9§	4·8	+0·1	53	+21	84	+ 1	·882	+·009	1·7	−1·0	10	12·50	−2·50	11·74	11·45	+0·27	21·69	28·93	−7·24	4·59	Madras.
		7	7	8			4	1	S 74° E	N 72° E				33	+11	71	− 4	·758	−·020	4·6	−0·2	2	6·70	−4·70	2·15	5·78	−3·63	11·21	26·73	−15·52	1·04	Cuddapah.
11	1		2	7	4	1	2	3	S 18° E	N 62° W	3·4	4·3	−0·9	22	+16	55	−13	·538	−·097	3·2	−2·5	0	6·70	−6·70	0·02	4·27	−4·25	9·98	16·65	−6·67	0·02	Bellary.
28				1		1		1	S 45° W	N 66° W	5·0§			3	− 4	63	−10	·595	−·112	3·4	−0·7	0	5·90	−5·90	0·05	4·01	−3·96	12·97	25·31	−12·34	0·05	Kurnool.
3	3	2	5	3	1	1	3	5	N 83° E	N 68° W	4·7§	4·4	+0·3	17	− 1	80	− 1	·855	−·025	5·0	−0·5	4	8·70	−4·70	7·86	7·33	+0·53	14·05	20·14	−6·09	2·63	Nellore.
25	2	2					2		N	N 1° E	4·9	4·6	+0·3	15	−25	75	− 9	·824	−·058	3·0	−2·2	1	9·60	−9·60	0·30	8·42	−8·12	13·21	32·95	−14·74	0·30	Masulipat
22	1	8				3	1	16	N 29° W	N 11° W	6·0	7·6	−1·6	59	− 2	76	− 1	·796	?	6·1	+1·2	4	9·40	−5·40	1·99	8·72	−6·73	22·93	31·64	+1·29	0·99	Cocanada.
3	2	7				3	15		N 64° W	N 74° W	6·9			43	− 2	64	−11	·699	−·111	4·0	−0·8	3	8·20	−5·20	3·58	10·23	−6·65	19·45	34·39	−14·94	1·79	Waltair (Visag.)
	3	2					13	13	N 56° W		5·0			81						1·4		3			3·39			20·34			1·27	Cuttingapat
	13	1					1	16	N 25° W	N 23° W	8·0	7·9	+0·1	92	+17	73	− 9	·709	−·110	1·5	−3·0	2	7·90	−5·90	4·80	9·41	−4·61	21·32	40·50	−19·18	3·97	Gopalpur.

(a) Indeterminate. § Uncorrected. ¶ Mean of 28 days

Tabl

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

Number of subdivision.	Station.	Elevation of the cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	Stations in the Bay.																						
1	P. V. Fraser*	*8*	29·954		29·880	30·055	28th	29·852	26th	·203	83·1												
	Car Nicobar	25	29·891		29·844	29·941	6th	29·822	3rd	·118	80·4	85·0		75·0		80·0		10·0	88·7	9th	73·3	27th	15·4
	Port Blair	61	29·861	+·005	29·853	29·939	10th	29·787	3rd	·152	79·0	85·2	−1·7	76·4	−0·9	80·8	−1·3	8·8	88·2	2nd & 16th,	73·5	16th	14·7
	Slipper Island	90	29·801		29·824	29·885	10th	29·715	3rd	·170	81·1	86·2		77·5		81·9		8·7	89·6	3rd	74·1	13th	15·5
	Kashmir.																						
14	Srinagar	5,204	24·971	−·014	24·949	25·127	14th	24·782	20th	·345	48·3	70·7	+1·0	42·5	+2·7	56·6	+1·9	28·2	82·6	2nd	36·6	31st	46·0
	Gulmarg§	*8,569*	21·955		21·923	22·043	14th	21·871	9th	·172	47·3	60·0		34·6		47·3		25·4	66·2	1st	31·3	9th	34·9
	Sonemarg	*8,764*	21·866		21·834	21·945	14th	21·756	20th	·189	36·9	57·8		31·9		44·9		25·9	67·9	4th	20·1	24th	47·8
	Drae	*10,059*	20·887		20·855	20·992	28th	20·778	20th	·214	37·8	56·6		30·2		43·4		26·4	69·9	6th	22·1	24th	47·8
	Leh	11,563	19·785	+·005	19·753	19·880	28th	19·597	20th	·283	39·8	58·8	+0·2	31·0	+1·1	44·9	+0·7	27·8	66·6	4th & 5th	25·0	27th	41·6
	Skardu	*7,565*	22·965		22·935	23·111	28th	22·743	20th	·363	46·6	64·8		42·4		53·6		22·4	75·5	4th.	33·1	26th	42·4
	Minimarg	*9,359*							Observations		not available.												
	Astor	*7,955*							Ditto		ditto.												
	Gilgit	4,890	25·219		25·192	25·402	28th	24·968	20th	·434	59·8	74·9	+1·0	54·0	+0·9	64·5	+1·0	20·9	87·2	2nd	44·2	24th	43·0
	Baluchistan.																						
16	Quetta	5,502	24·725	−·003	24·685	24·800	18th	24·631	21st	·169	55·6	75·5	+0·9	39·5	+1·2	57·5	+1·1	36·0	86·6	7th	26·3	24th	60·3
	Chaman	4,311	25·817	+·011	25·779	25·872	30th	25·703	22nd	·169	55·2	77·3†	−1·4	49·3†	−1·4	62·8†	−1·4	28·0	90·8	6th	31·8	21st	59·0
	Robat	...	26·369		26·338	27·141	20th	26·834	6th	·307	66·0	77·5		59·5		68·5		18·0	88·5	3rd	43·2	21st	45·3
	Hill Stations, excluding Kashmir and Baluchistan.																						
	Chitral	*5,486*	25·228††			25·320	14th	25·140	5th	·180	50·7	74·3		45·3		59·8		29·0	88·7	1st	35·5	23rd & 24th.	53·2
	Para Chinar	6,000	24·443		24·410	24·530	11th	24·233	21st	·297	61·4	75·4		49·4		62·5		26·0	82·7	4 days	37·6	22nd	45·1
	Cherat	*4,956*	25·721	−·032	25·689	25·837	27th	25·553	20th	·284	66·0	78·3	−0·3	59·8	+2·6	69·1	+1·2	18·5	88·1	4 days	46·5	22nd	41·6
	Murree	6,333	23·911	−·008	23·879	24·005	11th	23·745	22nd	·260	60·5	70·2	+0·9	56·0	+2·7	63·1	+1·8	14·2	77·0	6 days	44·0	14th	33·0
	Kailang	*10,037*	21·057		21·012	21·136	27th	20·913	20th	·222	42·1	61·2	+0·8	32·4	+0·9	46·8	+0·9	28·8	71·7	5th	25·5	24th & 25th.	46·2
	Simla	7,224	23·173	−·004	23·135	23·251	14th	23·086	20th	·165	56·3	64·7	+2·3	53·1‡	+2·1	59·0	+2·2	11·6	70·5	14th	48·2	26th	22·3
	Sarain	...	23·217			23·317	14th	23·126	9th	·191	49·2	67·4		43·7		55·6		23·7	72·0	8th	36·9	26th	35·1
	Kalabagh	...	20·168			20·244	13th	20·083	9th	·161	41·5	48·9		37·6		43·3		11·3	52·3	20th	31·5	24th	20·8
	Chakrata	7,022	23·398	−·002	23·298	23·435	14th	23·240	7th	·195	57·7	72·3	+6·1	52·1	+1·2	62·3	+3·7	20·2	76·3	9th & 13th.	44·7	14th	31·6
	Muktesar	7,556	22·925		22·884	23·002	14th	22·840	7th	·162	56·5	69·0		52·1		60·6		16·9	74·5	6th	48·4	24th	26·1
	Darjeeling	7,376	23·086	−·005	23·041	23·163	13th	22·989	6th & 7th,	·174	55·8	62·7	+2·2	49·4	−0·4	56·1	+0·9	13·3	70·8	5th	45·2	25th	25·6
	Shillong	4,920	25·176		25·128	25·249	28th	25·057	7th	·192	63·7	72·8		53·4		63·2		19·4	78·9	1st	43·7	31st	35·2
	Cherra Poonjee	4,309	25·722		25·673	25·798	28th	25·589	6th	·209	66·8	73·2		60·1		66·7		13·1	80·7	5th	52·8	31st	27·9
	Maymyo	3,545	26·475		26·420	26·537	28th	26·365	7th	·172	69·0	76·8		61·5		69·2		15·3	79·9	14th	46·6	30th	33·3
	Pachmarhi	3,523	26·500	+·008	26·447	26·576	28th	26·423	6th	·153	72·4	84·0	+5·9	58·3‖	−1·4	71·2‖	+2·3	25·7	87·7	4th	44·7	30th	43·0
	Mount Abu	3,945	26·102	−·010	26·052	26·194	28th	25·998	21st	·196	73·3	79·0	+0·2	64·6	+0·3	71·8	+0·3	14·4	82·7	16th	58·4	24th	24·3
	Mercara	3,781	26·236		26·169	26·293	28th	26·180	3rd	·113	67·7	78·2	+2·4	62·3	+0·6	70·5	+1·5	15·4	81·5	10th	60·5	24th	21·0
	Ootacamund	*7,329*	23·061		22·997	23·127	28th	23·009	4th	·118	58·1	64·0		50·6		57·3		13·4	68·0	1st	46·2	27th & 28th.	21·8
	Kodaikanal	7,686	22·839		22·773	22·886	12th	22·781	3rd	·105	56·1	69·3		51·4		156·9		10·9	68·5	20th	48·0	28th	20·5

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

* Mean of 20 days.
† „ „ 30 „
‡ Mean of 28 days.
†† „ 25 „

Note,—The barometric readings are not reduced to sea-level in the cases of
§ Mean of 15 days.
‖ „ „ 21 „

B.—*continued.*

stations, in India, etc., in October, 1907—continued.

Wind Direction. Number of winds from: Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind Velocity. Mean velocity in miles per hour.	Normal.	Departure from normal.	Wind Steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May, to 31st October 1907.	Normal rainfall for period, 1st May to 31st October.	Departure from normal of period, 1st May, to 31st October 1907.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																Stations in the Bay.
4	3	2	1	1		3	4	2	N 53° W					25		76		·860		3·6		2			0·55			23·58			0·26	P. V. Fraser. *
11	1			1		16			S 45° W		1·3 **			53		90		·933		9·9		19			13·38			69·09			2·30	Car Nicobar.††
5		1		2	4	8	8	3	S 59° W	S 68° W	6·8	6·3	+0·5	53	+35	88	−1	·880	−·055	7·0	+0·6	16			10·41	11·76	−1·35	86·91	96·66	−9·75	1·71	Port Blair.
4	1	1	5	2	4	4	7	3	S 47° W		9·9			23		87		·920		6·7		14			10·80			49·25			2·20	Slipper Island.
																																Kashmir.
12	1	2	1	3	5	2	1	4	S 12° W	S 51° E	3·3	3·0	+0·3	10	−12	31	−7	·276	−·006	2·9	+0·5	4	2·70	+1·30	1·14	0·84	+0·30	11·65 ‖‖	11·25	+0·40	0·44	Srinagar.
3		2	2	1	1	4	1	1	S 10° W		6·1			16		83		·276		2·3		2			1·82			19·13			1·44	Gulmarg.
16	6	6	1			1		1	N 21° E		3·5			37		78		·172		3·0		4			1·77			18·19			0·78	Sonemarg.
29			1	1					S 66° E		5·0 **			7		70		·156		2·9		3	3·10	−0·10	0·67	0·99	−0·32	4·05	6·45	−2·40	0·25	Dras.
29							2		W	S 83° W	2·5	2·0	+0·5	6	−37	47	−6	·111	−·011	2·8	+0·4	1	0·10	+0·90	0·15	0·22	−0·07	1·18	1·75	−0·57	0·14	Leh.
22		1	1	1	5	1			S 17° E		6·0			20		56		·177		4·5		0	0·10	−0·10	0·05	0·02	+0·03	3·00	2·95	+0·05	0·04	Skardu.
																	Observation	s not a	vailable.													Minimarg.
																		Ditto		ditto.												Astor.
24						3	3	1	S 76° W		1·4‖			20		45	−2	·228	0	4·8	+1·4	0	0·30	−0·30	0·08	0·20	−0·12	3·15	2·55	+0·60	0·08	Gilgit.
																																Baluchistan.
29	1	1							N 24° E	N 58° W	0·6	1·8	−1·3	7	+4	42	−2	·191	0	0	−0·4	0	0·20	−0·20	0	0·09	−0·09	1·85	2·41	−0·56	0	Quetta.
7	9	6	4					5	N 15° E	S 45° E	9·9 **	8·0	+1·9	59	+5	47	+16	·221	+·049	0·6	0	0	0·10	−0·10	0	0·04	−0·04	0·33	0·32	+0·01	0	Chaman.
29			2						E		1·6			6		56		·380		0·2		0			0			0			0	Robat.
																																Hill Stations, excluding Kashmir and Baluchistan.
30	1								N		4·4			3		78		·289		7·2		5			3·98			7·34			1·80	Chitral.
24	1		1		1	1	2	1	W		4·8			3		35		·190		1·4		2	1·00	+1·00	0·24	0·37	−0·13	13·68	12·83	+0·85	0·14	Para Chinar.
7	16			2		1	1	4	N 11° W	N 11° W	7·9	10·2	−2·3	56	+5	44	+8	·282	+·058	0·9	0	1			0·17	0·09	+0·08	7·31	11·92	−4·61	0·15	Cherat.
7	8	1	2	3	6	1	1	2	N 52° E	N 27° W	6·0	6·2	−0·2	7	−12	36	−6	·195	−·009	1·7	+0·4	1	3·30	−2·30	1·02	1·32	−0·30	27·33	38·90	−11·57	1·00	Murree.
			2	2	23	3	1		S 1° E		1·2	1·6	−0·4	87		49		·131		1·9		1			0·85	0·45	+0·40	4·65	8·77	−4·12	0·79	Kailang.
1	21	1			7			1	N	N 23° E	6·0	4·5	+1·5	50	+3	40	−9	·182	−·026	0·2	−0·6	1	1·30	−0·30	0·34	0·98	−0·64	26·58	52·27	−25·69	0·34	Simla.
8			1		10	12			S 23° W		3·7			68		54		·186		0·5		1			0·40			22·68 §§			0·40	Sarain.
2	1			3	1		6	18	N 57° W		7·0			65		45		·116		0·7		0			0·03			30·72			0·03	Kalabagh.
22	3			2	2			2	N	N 39° E	7·8	6·2	+1·6	3	−29	46	−14	·224	−·060	0·6	−0·4	1	1·20	−0·20	0·20	0·78	−0·58	30·21	57·33	−27·12	0·20	Chakrata.
17			1			1	12		S 87° W		7·0			46		46		·213		0·1		0			0			26·81			0	Muktesar.
4	4	11	6	4		1		1	N 59° E	N 73° E	2·6	3·3	−0·7	56	+24	81	−8	·366	−·014	4·1	−1·6	1	4·87	−3·87	0·24	4·35	−4·11	77·88	116·18	−38·30	0·24	Darjeeling.
27			1	1		2			S 9° E		2·3			7		74		·440		1·5		6	9·10	−3·10	2·29	5·65	−3·36	52·65	71·23	−18·58	1·04	Shillong.
10		12	3	1	1	2	1	1	N 56° E		3·6 **			37		74		·486		2·7		4	8·20	−4·20	5·91	13·59	−7·68	317·22	388·06	−70·84	3·10	Cherra Poonjee.
29			1	1					S 66° E		0·9			7		86		·620		5·8		10	11·20	−1·20	3·89	7·71	−3·82	38·28	52·10	−13·84	0·92	Maymyo.
19		1				3	3	5	N 75° W	N 34° E	2·8	3·2	−0·4	27	+16	55	0	·426	+·012	1·5	−1·1	0	3·30	−3·30	0	2·18	−2·18	51·77	73·48	−21·71	0	Pachmarhi.
5	3	1			4	11	2	5	S 70° W	N 27° W	4·8	4·9	−0·1	46	+28	39	−5	·316	−·021	0·1	−1·1	0	0·50	−0·50	0	0·69	−0·69	76·10	60·45	+15·65	0	Mount Abu.
8	4	9	6			1		3	N 39° E	N 27° E	2·8	4·2	−1·4	53	+28	84	−4	·563	−·020	5·7	−0·9	6	13·00	−7·00	2·89	8·61	−5·72	130·02	118·93	+11·09	1·27	Mercara.
4	1	12	10	4					N 73° E		4·2 **			72		73		·356		5·4		11	13·70	−2·70	7·98	8·57	−0·59	40·86	35·76	+5·10	2·07	Ootacamund.
	9	3	8	9	1	1	1	10	N 8° W		11·7			46		82		·374		5·4		19	16·20	−6·20	6·24	12·49	−6·25	27·45	39·55	−12·10	1·40	Kodaikanal.

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

** Uncorrected.

†† Wind observations of 29 days.

‖ Mean of 29 days.

‖‖ Since 21st May 1907.

§§ „ 1st June „

Table

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

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level in feet.	Pressure 8 hrs. in inches. Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Temperature of air. Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10.	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	XIII.—Extra India.																						
	Singapore (*a*)	10	29·970		29·901	30·022	9th	29·943	3rd & 30th.	·079	85·0	88·8		74·8		81·8		14·0	90·6	31st	72·0	7th	18·6
	Penang (*a*)	20	29·924		29·869	29·980	24th	29·889	16th	·091	82·6	88·1		73·4		80·8		14·7	91·0	3rd	71·0	6th & 11th.	20·0
	Trincomalee	12	29·917	?	29·855	29·983	11th	29·830	17th	·153	78·2	87·7	−0·7	75·5	0	81·6	−0·4	12·2	92·5	9th	73·0	3rd	19·5
	Colombo	40	29·899	−·017	29·866	29·962	14th	29·847	3rd	·115	79·0	85·6	−0·1	75·1	−0·3	80·4	−0·2	10·5	91·5	27th	72·0	10th & 14th.	19·5
	Minicoy	7	29·941		29·874	30·012	15th	29·902	24th	·110	81·8	86·8	+1·2						90·1	4th			
	Amini Divi	*13*	29·931	+·001	29·872	29·999	15th	29·879	6th	·120	82·1	87·2	+2·1	76·7	+0·2	82·0	+1·2	10·5	91·2	13th	73·2	29th	18·0
	Gyantse	13,120	18·506			18·573	1st	18·431	9th	·142	41·4	66·4		32·3		49·4		34·1	76·8	11th	24·7	31st	52·1
	Pharijong	14,400	17·974§			18·049	29th	17·909	29th	·140	33·9	49·9		20·5		35·2		29·4	57·6	20th	10·0	22nd	47·6
	Gangtok	5,660?	24·546			24·738	31st	24·425	6th	·313	61·4	72·0		47·3		59·7		24·7	77·6	5th	41·6	31st	36·0
	Gartok	15,100?									O	bserv	atory	not o	pened.								
	Kashgar (*c*)	4,255	25·845			25·870	21st	25·470	3rd & 29th.	·400	50·6	68·3	−0·3	42·3	+0·2	55·3	−0·1	26·0	81·7	3rd	34·3	31st	47·4
	Kabul		24·333		24·302	24·422	27th	24·201	21st	·221	53·4	76·2	+0·9	40·0	−1·4	58·1	−0·3	36·2	88·6	3rd	19·9	23rd	68·7
	Meshed	3,104	26·950			27·247	20th	26·749	12th	·498	49·0	67·2		37·2	−6·9	52·5		29·5	81·0	1st	23·8	21st	57·2
	Jask‡	13	29·933	−·003	29·903	30·052	25th	29·769	6th	·283	82·7	90·9	+0·2	76·7	+1·2	83·8	+0·7	14·2	94·3	6th & 11th.	66·3	25th	28·0
	Muscat†	20	29·945	−·005	29·913	30·048	25th	29·769	6th	·279	83·4	91·7	+5·9	78·9	−2·2	85·3	+1·9	12·8	97·3	15th	70·6	26th	26·7
	Bahrein	18	29·995		29·966	30·122	31st	29·799	7th	·323	85·5	89·2		77·7		83·5		11·5	98·5	3rd	64·3	31st	34·2
	Bushire	14	29·940	−·005	29·913	30·063	29th	29·790	6th	·273	77·8	87·8	0	72·5	+1·3	80·2	+0·7	15·3	99·6	8th, 9th & 10th.	61·1	31st	38·5
	Busrah	25	29·989		29·974	30·144	14th	29·736	7th	·408	72·3	88·9		62·4		75·7		26·5	99·6	7th	49·5	31st	50·1
	Ispahan (*b*)	*5,817*	24·390			24·510	20th	24·325	4th	·185	54·5	73·0	−4·4	46·2	+1·8	59·6	−1·3	26·8	87·4	1st	35·2	22nd	52·2
	Tehran (*b*) ‡	*4,009*	25·986			26·250	20th & 21st.	25·800	4 days	·450	51·7	70·7	−6·7	47·8	−6·2	59·3	−5·5	22·9	85·9	2nd	39·7	21st, 22nd & 23rd.	46·2
	Baghdad	220	29·853	+·029	30·053	30·002	28th	29·601	6th	·401	67·7	87·7	−5·1	62·3	+0·1	75·0	−2·5	25·4	97·1	10th	54·6	28th	42·5
	Beirut				29·973						73·4	79·8		67·0		73·4		12·8	84·8	11th & 14th.	59·1	23rd	25·7
	Aden	94	29·889	+·016	29·915	29·977	29th	29·787	1st	·190	82·5	88·2	−2·0	78·8	+1·1	83·5	−0·5	9·4	93·3	22nd & 24th.	74·4	21st	18·9
	Perim	201									87·6	94·5	+3·4	83·4	+2·9	88·9	+3·2	11·1	95·9	2nd & 6th.	82·4	25th	13·5
	Zanzibar	72	30·021	+·006	30·020	30·080	1st	29·964	9th	·116	78·6	84·5	+1·4	75·4	+0·1	80·0	+0·8	9·1	88·2	11th	73·7	10th	14·5
	Do. Dunga	*154*	29·857		29·940	29·924	2nd	29·768	30th	·156	77·0	86·0		76·6		81·3		9·4	88·5	11th	72·8	2nd & 9th.	15·7

N.B.—Elevations in italics indicate barometrical determinations.
NOTE.—The barometric readings are not reduced to sea-level, in the cases of hill or plateau stations, the elevations of which exceed 3,500 feet.

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

§ Mean of 19 days.

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

—concluded.

n India, etc., in October, 1907—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 in miles per hour.	Normal.	Departure from normal.	Wind steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 31st Oct, 1907.	Normal rainfall for period, 1st May to 31st Oct.	Departure from normal of period, 1st May, to 31st Oct, 1907.	Heaviest rainfall during month.	Station.
26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																															XIII.—Extra India.
1		5	9	2	6	2	4	S 15° E		5·7*			30						5·7		13			11·12			48·71			3·04	Singapore.
4	7		6	3		4	7	N 2° E		11·6*			21						2·3		18			12·63			43·51			4·25	Penang.
					18	2		S 51° W	S 45° W	3·7*	8·5	−4·8	66	−9	88	+4	·859	−·027	4·4	+1·0	17			14·84	7·14	+ 7·70	26·46	22·28	+ 4·18	1·94	Trincomalee.
4		1		4	15	5	2	S 61° W	S 41° W	5·2*	7·4	−2·2	59	+17	89	+ 9	·895	+·040	6·5	+0·3	21			13·79	14·80	— 1·01	39·72	47·70	— 7·98	3·94	Colombo.
6	1		1	1	5	8	9	N 65° W	N 78° W	6·1	7·4	−1·3	61	+ 4	82	0	·890	+·033	5·6	+0·2	14			6·94	7·46	— 0·52	34·76	41·58	— 6·82	1·95	Minicoy.
10	3	3				2	3	N 4° E					45		82	0	·901	+·015	6·4	+0·3	8			5·05	6·01	— 0·96		43·74		1·62	Amini Divi.
			16	7	8			S 14° E		2·6			81		48		·127	..	0		0			0			4·15			0	Gyantse.
2			3	1	2			S		7·5			7		85		·166		1·0		0			0			15·45			0	Pharijong.
								(a)		1·3					78		·426		0·2		5			2·08			101·43			0·86	Gangtok. ¶
																	Observatory not opened.														Gartok.
2		1	1				2	N 6° E	N 38° W	0·8	1·7	−0·9	10	− 2	54	− 5	·197	−·003	2·9	−0·1	0			0	0·05	− 0·05	2·10	3·06	− 0·96	0	Kashgar.
11	2		2	2	3	5	6	N 39° W	S 10° E				45	+33	56		·243		1·8	+1·3	1			2·40	0·32	+ 2·08	2·73	1·48	+ 1·25	2·35	Kabul.
															62		·219		3·1	+1·2	2			0·20	0·42	— 0·12	2·56	1·43	+ 1·13	0·15	Meshed.
	6	10	2		1		4	N 68° E	N 56° E	9·9	10·6	−0·7	46	+13	59	− 6	·667	−·072	0·9	+0·4	0			0	0·04	− 0·04	0	0·17	− 0·17	0	Jask.
1		1				3	3	N 53° W	N 76° W	2·6	3·7	−1·1	17	−11	63	− 3	·738	−·017	0·3	0	0			0	0·02	− 0·02	0	0·42	− 0·42	0	Muscat.
5	3	3	3		1	4	12	N 25° W		8·2			46		68		·835		0		0			0			0·50			0	Bahrein.
5	6	10	3	3		1	2	N 68° E	N 67° E	8·9	6·1	+2·3	49	− 9	61	− 1	·587	−·036	1·8	+0·8	0			0	0·08	− 0·08	0·02	0·08	− 0·06	0	Bushire.
2	3		3	3	3	7	6	N 84° W		6·1*			29		64		·512		3·7		0			0			0·27			0	Buszah.
3	2	2			3	1	2	N 45° W	N 74° W	2·0	2·9	−0·9	13	−11	70	+15	·306	+·040	1·1	−0·4	2			0·44	0·21	+ 0·23	1·02	0·38	+ 0·65	0·15	Ispahan.
	6	21		1		1		N 35° E	N 18° E	4·7	2·6	+1·8	82	+59	69	+27	·265	+·025	1·8	−0·1	3			1·03	0·10	+0·93	2·25	1·07	+ 1·18	0·73	Tehran.
5	10			1			4	N 14° W	N 6° W	6·7	2·8	+3·9	39	+ 6	54	− 1	·369	−·034	2·0	+1·4	1			0·26	0·04	+ 0·22	1·05	0·37	+ 0·68	0·10	Baghdad.
3		11	1	2		6	1	1	N 56° E				17		65		·502		1·4		2			0·97			4·04			0·81	Beirut.
1		30						N 45° E	N 78° E	16·1	12·8	+3·3	96	+28	71	+ 3	·793	+·052	3·5	+1·4	0			0	0·01	− 0·01	0·02	0·51	− 0·49	0	Aden.
			7	12	8	4		S 34° E	S 68° E	18·3	18·5	−0·2	74	− 5	73	+ 4	·962	+·138			0			0	0·07	− 0·07	0	0·91	−0·91	0	Perim.
2			2	10	6	1		S 14° W	S 20° E	5·2	5·0	+0·2	55	−17	82	0	·796	−·088	6·9	+0·9	4			1·79	2·99	− 1·20	14·43	21·35	− 6·92	1·19	Zanzibar.
2	1		2	2	12	4	5	S 67° W		4·5			48		85		·790		0		3			0·97			17·24			0·49	Do. Durga.

* Uncorrected.

‖ Wind observations of 28 days.
¶ Wind observations of 26 days.

†† Mean of 26 days.

(a) Indeterminate.

Table C.—Abstract of observations taken at 8 hrs. at 25 fourth class stations, in India, in October, 1907.

Table

Abstract of observations taken at 8 hrs

Number of subdivision.	Station.	Temperature of air.													Wind direction.										
		Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.	Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
	II.—Eastern Bengal and Assam.																								
4	Bishnath	70·5	88·3	...	62·5	...	75·4	...	25·8	91·6	6th	56·3	29th	35·3	...	...	...	...	...	...	...	...	...	...	...
	Borjuli	76·7	89·9	...	65·6	...	77·8	...	24·3	93·0	6th	60·5	30th	32·5	...	...	...	...	...	—	...	...	...	...	...
	Chandkhira	74·8	88·4	...	68·4	...	78·4	...	20·0	92·7	5th	59·2	31st	33·5	...	...	...	...	...	...	...	...	...	...	...
	Doom Dooma	70·1	73·5	...	66·3	...	69·9	...	7·2	89·7	6th	58·2	30th	31·5	...	...	...	...	...	...	...	...	...	...	...
	Dikom	71·9	86·9	...	65·1	...	76·0	...	21·8	91·0	2nd	57·7	29th	33·3	...	...	...	...	...	...	...	...	...	...	...
	Golaghat	74·4	85·6	...	68·7	...	77·2	...	16·9	89·2	4th & 5th.	61·9	31st	27·3	...	...	...	...	...	...	...	...	...	...	...
	Hailakandi	74·1	89·6	...	67·3	...	78·5	...	22·3	95·4	5th	58·0	31st	37·4	...	...	...	...	...	...	...	...	...	...	...
	Jorehat	74·4	87·9	...	69·1	...	78·5	...	18·8	91·9	5th	61·8	30th	30·1	...	...	...	...	...	...	...	...	...	...	...
	Messa	77·6	91·0	...	65·4	...	78·2	...	25·6	92·9	22nd	60·3	30th	32·6	...	...	...	...	...	...	...	...	...	...	...
	Panerihat	66·2	86·7	...	64·9	...	75·8	...	21·8	91·3	6th	61·9	29th	29·4	...	...	...	...	...	...	...	...	...	...	...
	Srimangal	78·5	90·7	...	68·5	...	79·6	...	22·2	95·0	4th	58·8	30th	36·2	...	...	...	...	...	...	...	...	...	...	...
	Turat	81·3	85·1	...	70·2	...	77·7	...	14·9	91·6	4th	63·4	29th	28·2	...	4	4	...	7	...	16	...	...	S 24° W	...
5	Brahmanbaria	79·7	89·0	...	72·6	...	80·8	...	16·4	92·6	15th	64·1	30th	28·5	...	...	...	...	...	...	...	...	...	...	...
	Dam Dim	71·5	90·8	...	64·3	...	77·6	...	26·5	95·2	6th	57·9	29th	37·3	...	...	...	...	...	...	...	...	...	...	...
	Goalundo	81·3	91·2	...	71·5	...	81·4	...	19·7	95·9	11th	64·1	29th	31·8	...	...	...	...	...	...	...	...	...	...	...
	Kalchini	78·8	88·3	...	65·8	...	76·8	...	23·0	93·5	5th	60·9	29th & 30th.	32·6	...	...	...	...	...	...	...	...	...	...	...
	Nagrakata	78·7	89·8	...	69·9*	...	79·9	...	19·9	94·1	6th & 8th.	65·0	5th	29·1	...	...	...	...	...	...	...	...	...	...	...
	Pabna	81·7	95·7	...	71·2	...	83·5	...	24·5	100·2	10th	63·4	29th	36·8	...	...	...	...	...	...	...	...	...	...	...
	III.—Bengal.																								
6	Fraserganj	82·8				No observations taken of maximum and minimum thermometers									4	...	...	1	25	†	...	...	S	...
	XI.—Central Provinces.																								
24	Chhindwara					Observatory not opened.																			
	Hill Stations.																								
	Panighatta	76·8	86·9	...	67·5	...	77·2	...	19·4	92·5	5th	63·9	28th	28·6	...	...	...	...	...	...	...	...	...	...	...
	Kurseong	64·6	70·9	...	58·9	...	64·9	...	12·0	80·5	5th	55·1	26th	25·4	...	...	...	...	...	...	...	...	...	...	...
	Poo	...	63·9	...	43·5	...	30·4	...	53·7	70·9	5th	37·8	24th	33·1	22	...	...	1	4	2	2	...	...	S 18° E	...
	Killa Drosh	53·5	72·5	...	50·0	...	22·5	...	61·3	87·7	1st & 2nd.	31·5	23rd	56·2	27	...	1	...	1	...	2	...	...	S	...
	Pishin	...	75·5	...	40·9	...	34·6	...	58·2	86·4	5th & 7th.	26·0	22nd	60·4						•					
	Extra India.																								
	Birjandi	62·2	72·4	...	46·1	...	26·3	...	59·2	85·3	3rd & 4th	31·2	23rd	54·1	9	4	10	4	1	1	...	1	...	N 51° E	...

‡ Observations of 30 days. * Mean of 12 days † Observations of 10 hrs.

C.

at 25 fourth class stations in India, etc., in October, 1907.

Wind Velocity.			Wind steadiness.		Hygrometry, 8 hrs.				Cloud.		Rainfall.									Heaviest rainfall during month.	Station.
Mean velocity miles per hour.	Normal.	Percentage departure from normal.	Actual percentage.	Departure from normal.	Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal, in inches of mercury.	Mean cloud amount at 8 hrs.	Departure from normal.	Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 31st October, 1907.	Normal rainfall for period, 1st May to 31st October.	Departure from normal of period, 1st May to 31st October, 1907.		
27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
																					II.—Eastern Bengal and Assam.
...	...	...	...	...	95	...	·712	...	...	...	4	...	...	2·53	...	...	79·35	...	...	1·30	Bishnath.
...	...	...	...	...	86	...	·789	...	...	...	4	...	...	2·34	...	...	57·12	...	...	1·30	Borjuli.
...	...	...	...	...	93	...	·810	...	...	...	1	...	...	0·80	...	...	71·87	...	...	0·72	Chandkhira.
...	...	...	...	...	95	...	·708	...	...	...	2	...	...	1·18	...	...	77·38	...	...	0·75	Doom Dooma.
...	...	...	...	...	85	...	·670	...	...	...	2	...	...	1·50	...	...	75·75	...	...	0·76	Dikom.
...	...	...	...	...	90	...	·770	...	...	...	3	...	...	0·68	...	...	49·96	...	...	0·32	Golaghat.
...	...	...	...	...	93	...	·783	...	...	...	3	...	...	0·94	...	...	97·49	...	...	0·50	Hailakandi.
...	...	...	...	...	90	...	·776	...	...	...	4	...	...	2·24	...	...	60·93	...	...	1·26	Jorehat.
...	...	...	...	...	84	...	·802	...	...	...	4	...	...	0·82	...	...	90·04	...	...	0·45	Messa.
...	...	...	...	...	94	...	·606	...	...	...	4	...	...	2·98	...	...	60·01	...	...	1·63	Panerihat.
...	...	...	...	...	83	...	·810	...	...	...	2	...	...	2·03	...	...	76·52	...	...	1·51	Srimangal.
...	...	...	32	...	74	...	·800	...	3·1	...	3	...	...	1·56	...	...	86·31	...	...	0·75	Tura.
...	...	...	...	...	83	...	·858	...	...	...	2	...	...	0·71	...	...	51·87	...	...	0·54	Brahmanbaria.
...	...	...	...	...	70	...	·699	...	...	...	5	...	...	3·35	....	...	125·29	...	...	1·25	Dam Dim.
...	...	...	...	...	79	...	·851	...	...	...	2	...	...	1·80	...	...	48·80	...	...	1·52	Goalundo.
...	...	...	...	...	74	...	·743	...	...	...	5	...	...	3·96	...	...	136·56	...	...	1·64	Kalchini.
...	...	...	...	...	75	...	·728	...	...	...	3	...	...	4·61	...	...	122·68	...	...	1·86	Nagrakata.
...	...	...	...	...	76	...	·827	...	...	...	2	...	...	2·19	...	...	44·86	...	...	1·30	Pabna.
																					III.—Bengal.
...	...	...	72	...	84	...	·950	...	...	...	3	...	...	1·38	...	...	76·82	...	...	1·13	Fraserganj.
																					XI.—Central Provinces.
											Observatory not opened.										Chhindwara.
																					Hill Stations.
...	...	...	...	...	66	...	·609	...	...	...	3	...	...	1·66	...	...	96·65	...	...	0·72	Panighatta.
...	...	...	...	...	80	...	·482	...	...	...	4	...	...	0·99	...	...	110·51	...	...	0·34	Kurseong.
...	...	...	19	...	...	...	...	...	1·3	...	1	...	...	0·28	0·75	—0·47	1·65	3·77	—2·12	0·28	Poo.
...	...	...	6	...	63	...	·252	...	2·0	...	5	...	...	4·94	...	...	11·00	...	...	1·85	Killa Drosh.
...	...	...	...	...	...	...	...	...	...	...	0	0·20	—0·20	0	0·08	—0·08	...	0·55	...	0	Pishin.
																					Extra India.
...	...	...	45	...	36	...	·202	...	1	...	0	...	...	0	...	...	0·07	...	...	0	Birjand.

LITHO. BY S. B. MUNDLE

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

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

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

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Simla: S. I. O., Calcutta.

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

Reg. No. 1653 E., 08.—Dir. Genl., Observatories.—May 08 —2,050. Litho., S. I. O., Calcutta.

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

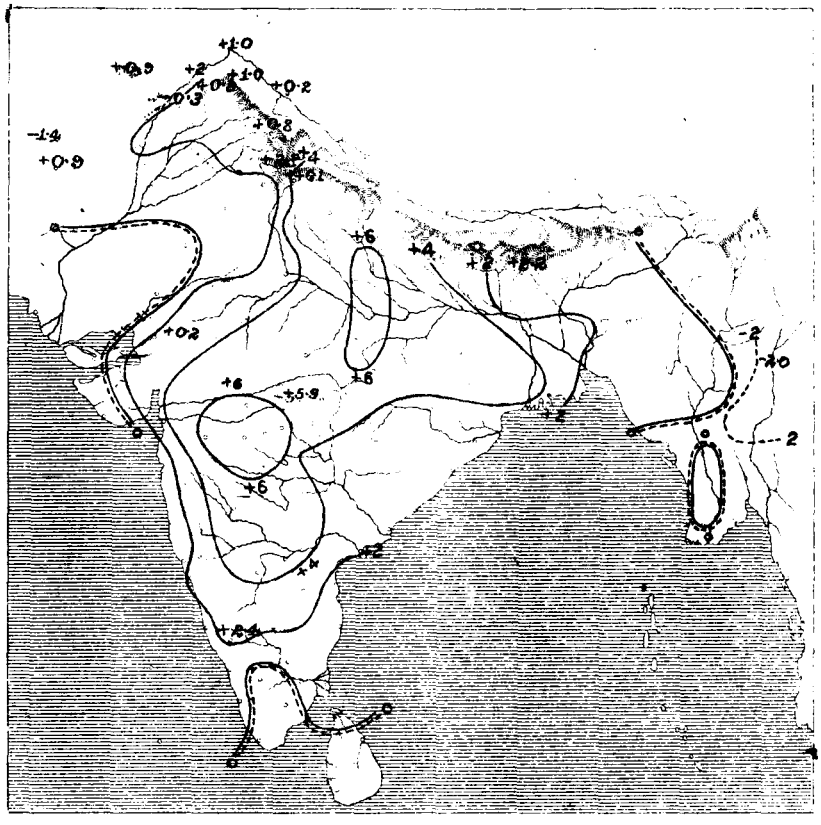


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MINIMUM TEMPERATURE.

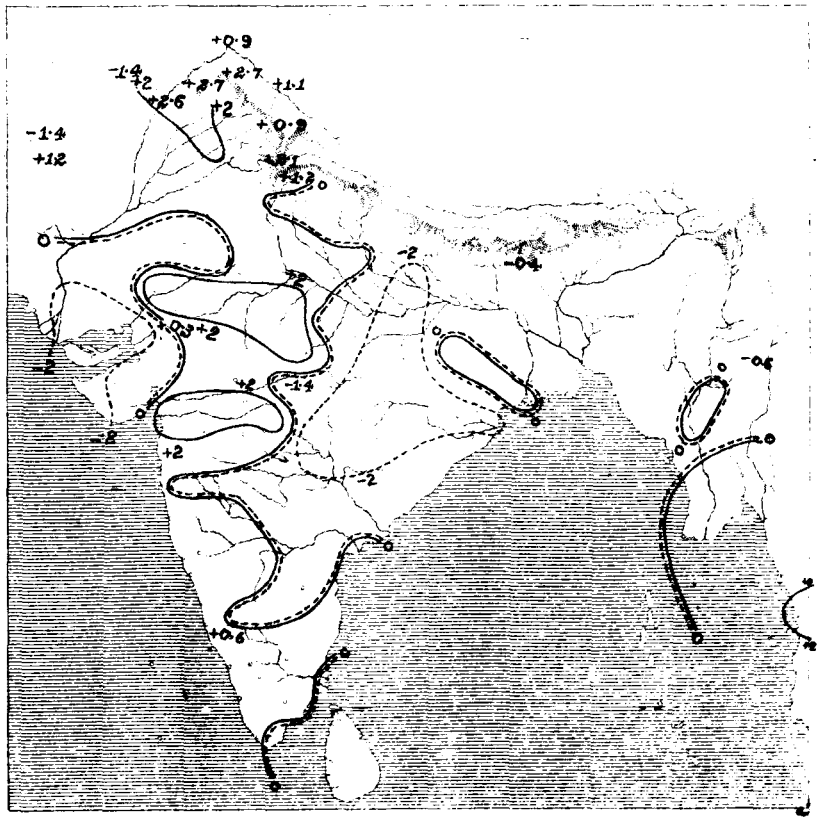


PLATE IV

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

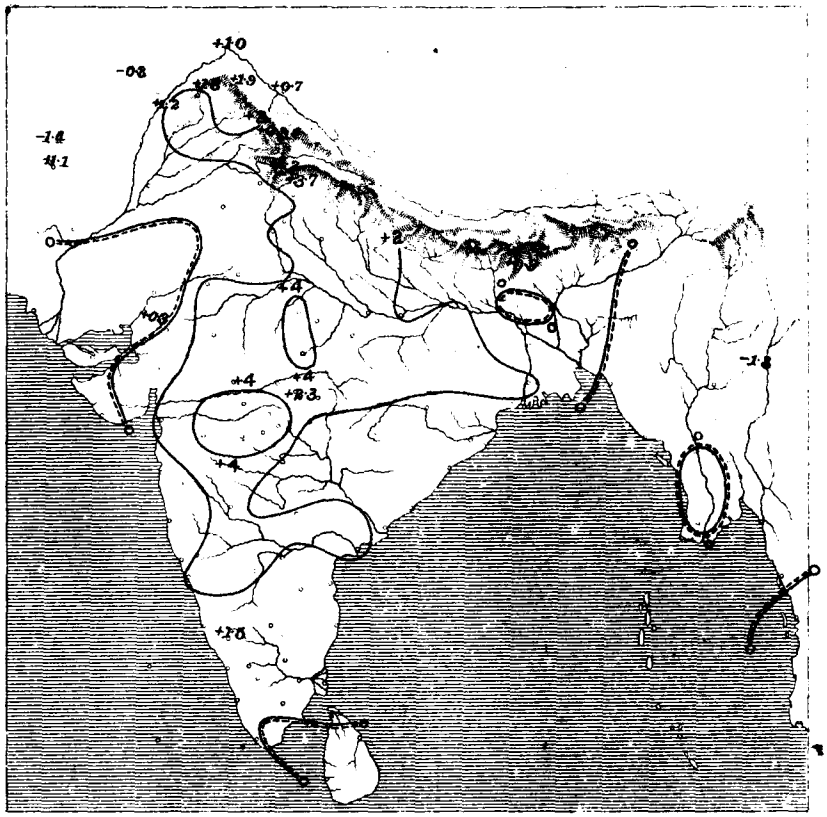
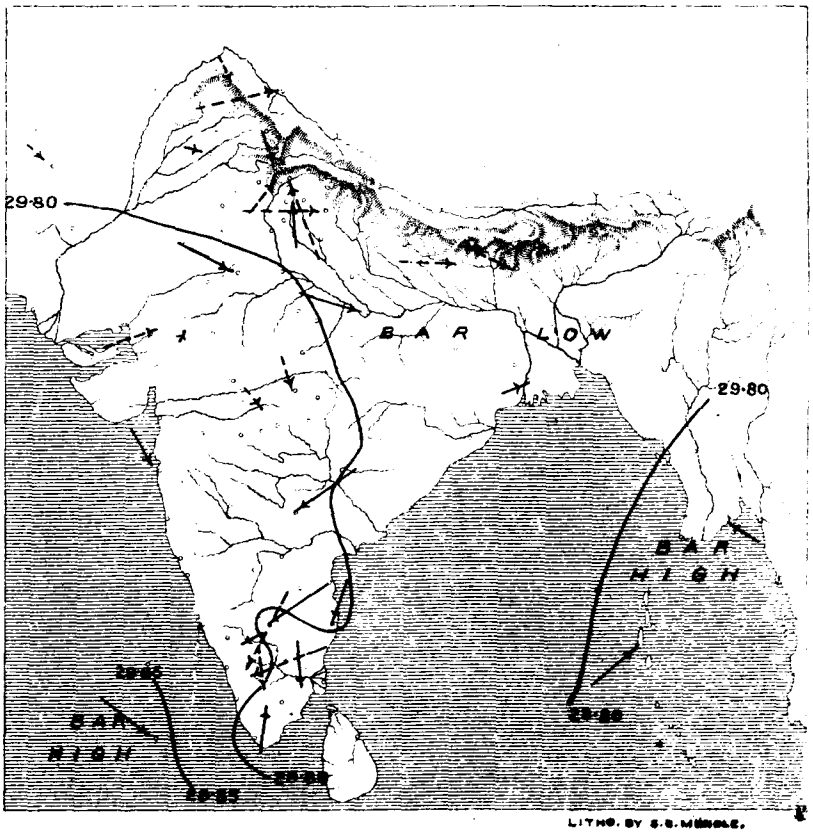


CHART SHEWING THE MONTHLY MEAN OF PRESSURE AND RESULTANT WIND DIRECTION.



LITHO. BY S.S. MIRGALE.

PLATE V.

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

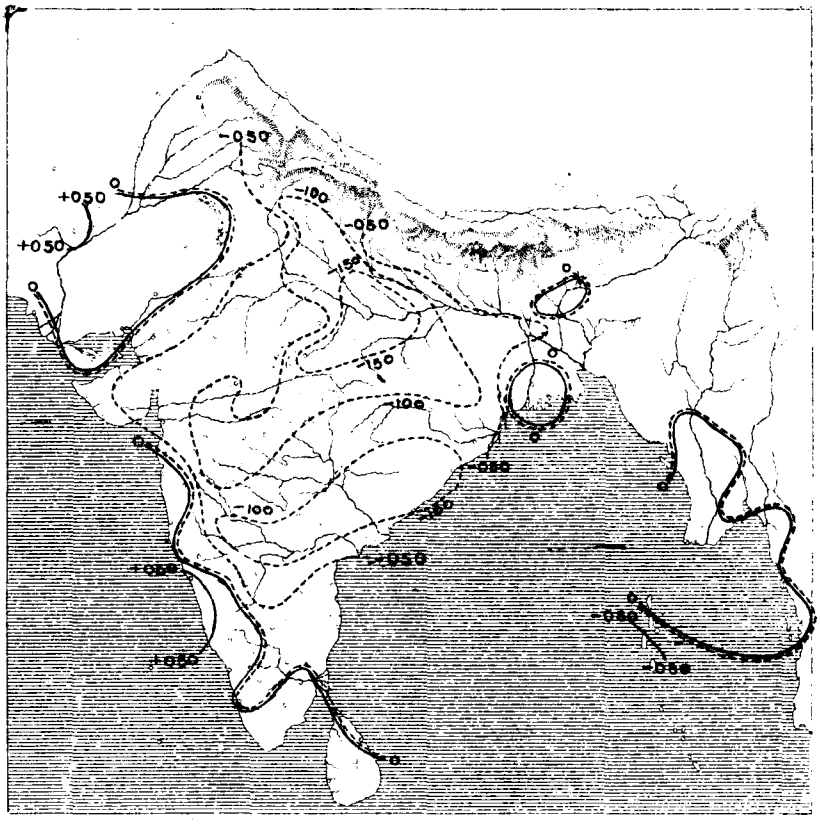
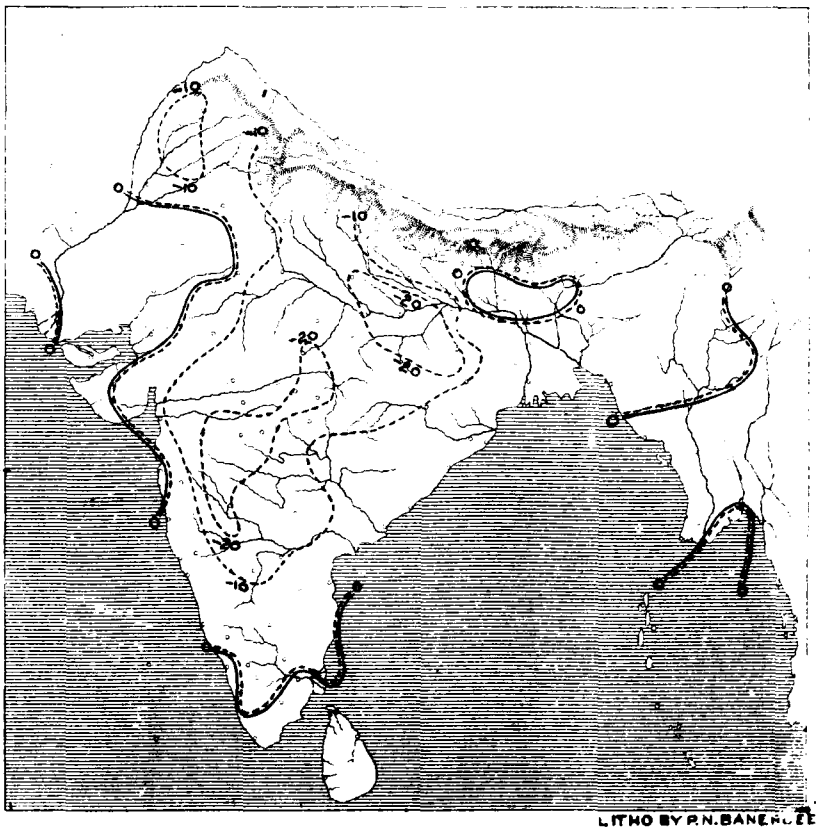


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF RELATIVE HUMIDITY AT 8 HRS.



LITHO BY P.N. BANERJEE

PLATE VI

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

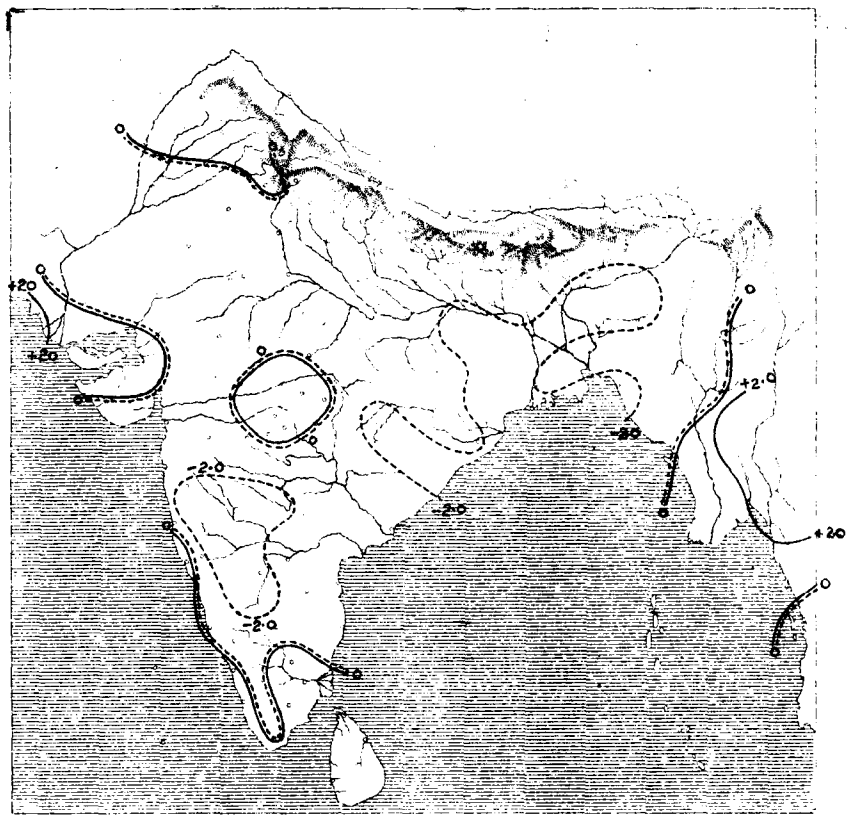
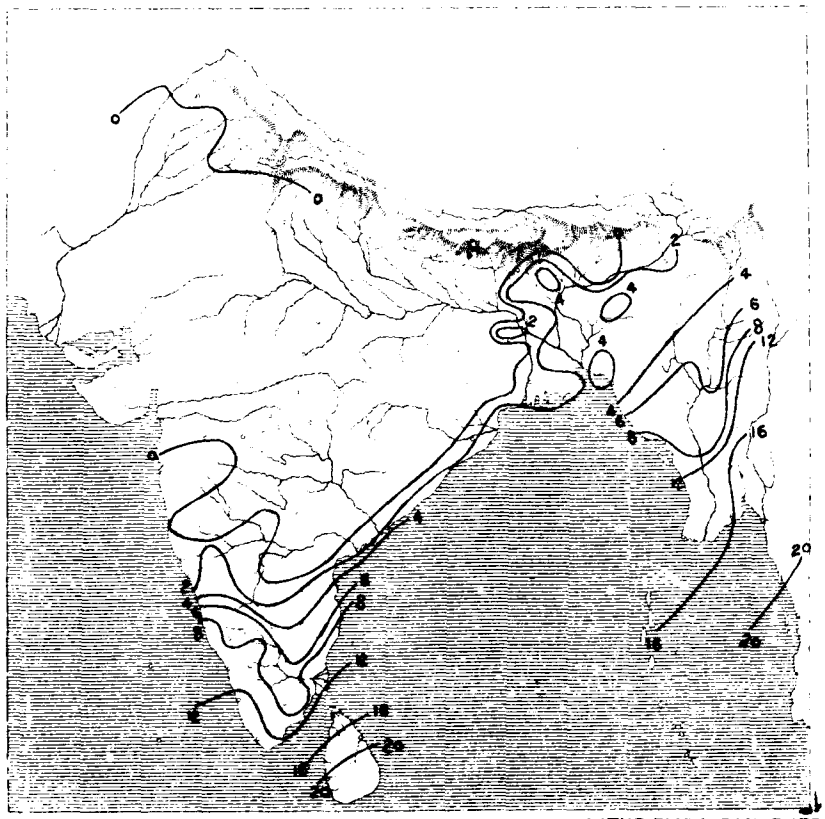
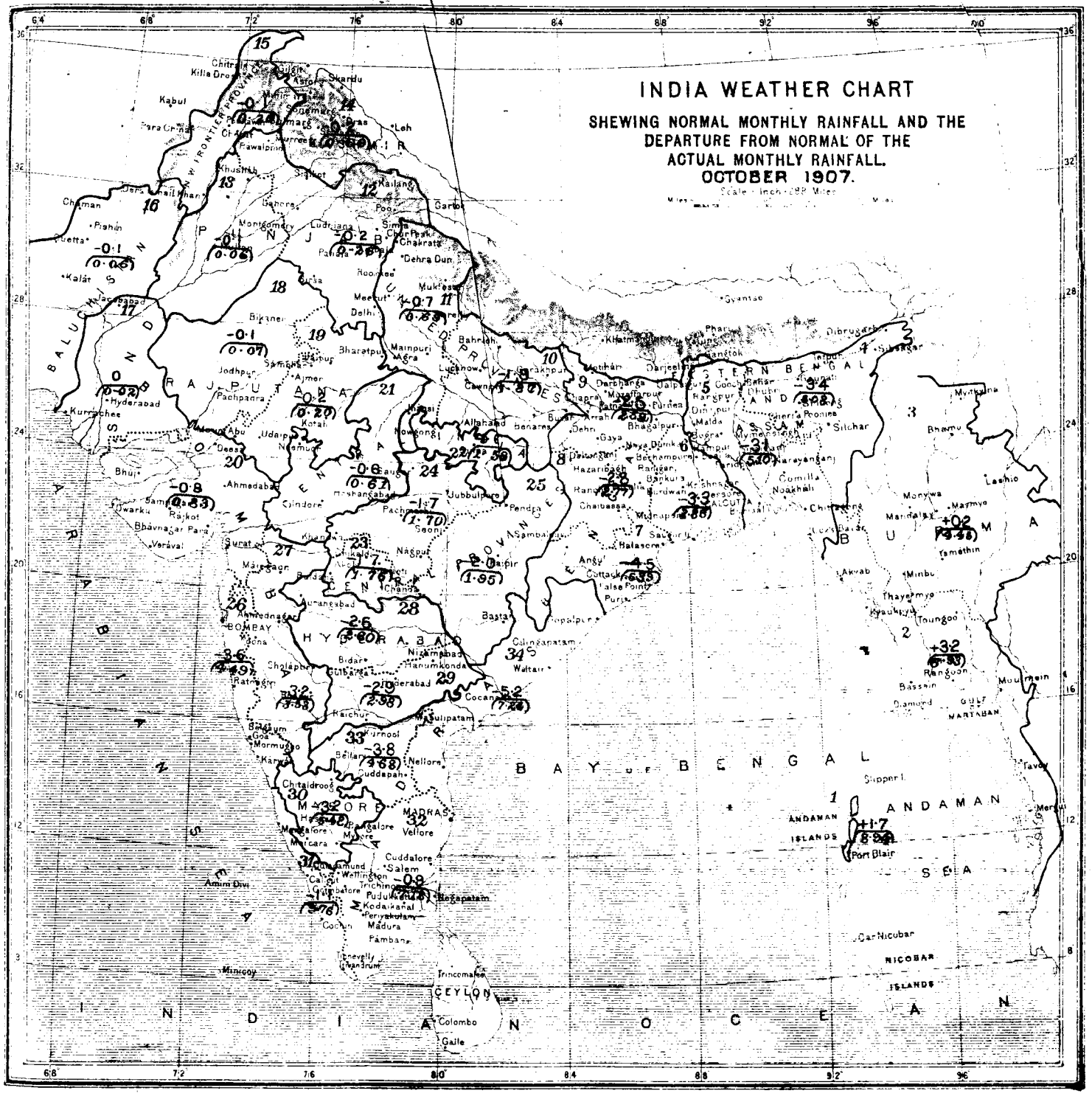


CHART SHEWING THE TOTAL NUMBER OF DAYS IN THE MONTH ON WHICH RAINFALL EQUALLED OR EXCEEDED 0·10 INCH.

(BASED ON THE RETURNS OF TABLE 8.)



LITHO BY R.N. BANERJEE.



LITHO BY P.N.BANERJEE.

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

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

GOVERNMENT OF INDIA.

METEOROLOGICAL DEPARTMENT.

MONTHLY WEATHER REVIEW

PUBLISHED BY ORDER OF

THE GOVERNMENT OF INDIA.

CALCUTTA, NOVEMBER, 1907.

INTRODUCTION.

THIS review of the weather in India during the month of November 1907, is based on observations taken daily at 8 hrs. at 235 stations, and on additional observations taken at 10 hrs. and 16 hrs. at 38 stations. In the rainfall summary the data furnished by the meteorological observatories, and such rainfall statements of the month as had been published by the Provincial Governments up to the date of the preparation of the review, have been utilized. The brief notes on solar, seismic and magnetic disturbances have been supplied by the chief observatories.

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

Summary of the chief features of the weather in India during the month of November, 1907.

2. The monsoon which by the end of October had retreated as far south as the Andaman Islands and south India, was very active in these parts throughout the month and being assisted by a series of four cyclonic storms which passed westward from the Andamans to south Madras gave a large excess of rainfall in south Madras and the Madras Deccan. Two of the storms had sufficient vitality to pass out into the Arabian Sea and after the second had disappeared in the Arabian Sea an area of low pressure appeared over the head of the Peninsula: it travelled eastward and as favourable conditions had been established by the previous depression, it caused a good burst of rain over the Central Provinces and adjacent districts of Central India. There was also heavy rain in the Andaman Islands but over the rest of India weather was dry with clear skies, higher day temperature and lower humidities than usual.

Solar, seismic and magnetic disturbances.

KODAIKANAL OBSERVATORY.

3. *Solar Observations.*—No solar observation was possible on three days and faculæ could not be observed on one other day. Prominences were not observed on 11 days and on eight other days their observation was imperfect.

Only 18 new groups were observed in the month but here was no corresponding fall in the daily average number which was 4·0. Two groups 1289 (Latitude —7°, Longitude 320°) and 1298 (Latitude—21°, Longitude 114°) may be considered to be returns of old groups; and six groups formed on the visible disc. There was nothing striking in the Latitude distribution except a slight preponderance of southern spots. The distribution was as follows:—

	0—10	11—20	21
North	3	4	—
South	6	4	1

The largest group of the month was 1292 (Latitude +11°, Longitude 271°) which came round the east limb on November 9 and was last seen on the 22nd. It underwent little change from day to day and remained a long train containing several large spots and extensive penumbral patches. The group was not very active in the earlier part of its course as regards reversals and disturbances in the C line, but on November 20 when it was near the west limb, C was brilliantly reversed on two spots at the rear of the train. Na, He, Mg, and Fe lines were bright on the more western of these two spots. The group was associated with intensely bright metallic prominences at the west limb. Groups 1288 and 1293 were also fairly large spots but did not show any activity nor did they undergo any marked changes from day to day except that the latter dwindled down as it neared the west limb.

The weather in the first half of the month was distinctly unfavourable for prominence observation, but in spite of it 25 prominences were observed in the month a minute or more in height. The highest was a Calcium cloud 180″ high photographed on the 2nd. The only metallic prominence of the month was that observed on the 21st and 22nd associated with spot 1292 referred to above. It was particularly active on the latter day. Motions, both towards and away from the observer at 75 miles a second, were observed, but both the direction and velocity were rapidly changing. The prominence spectrum showed lines of Fe, Na, Ni, Mn, Mg and Ti and also an unidentified line.

There was a "Moderate" magnetic disturbance on the 21st and 22nd. Spot group 1295 which had undergone a sudden development on the central meridian was then from 20 to 40 degrees to the west of it.

J. EVERSHED,
Ag. Director,
Kodaikanal & Madras Observatories.

BOMBAY OBSERVATORY.

Note on the Alibag Magnetic Record.

4. During the month the traces showed 12 calm days, 16 days of small and two days of moderate disturbance.

The days of the month selected as "Quiet" are the 1st 5th, 18th, 20th and 30th.

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

Easterly Declination	1° 2′ 6″.
Horizontal force	0·36886 C. G. S unit.
Dip	23° 17·9′
Horizontal force range	0·00051 C. G. S. unit.
Horizontal force summed range	0·00319 C. G. S. unit.
Declination range	1·22′
Declination summed range	6·25′

[Note.—Summed range means sum without regard to signs of 24 ordinates of diurnal inequality.]

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

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

The magnitudes of the disturbances are determined from Horizontal Force traces.
C.=calm; S.=small; M.=moderate; G.=great; V. G.=very great.
Days are reckoned from midnight to midnight.

Seismic disturbances recorded at Colaba.

Four seismic disturbances were recorded during the month on the 16th, 21st, 22nd, and 24th, that recorded on the 21st being the largest.

List of seismic disturbances.

Date.	Commencement.	Max.	End.	Maximum displacement from mean position.	Duration.
	H. M.	H. M.	H. M.	mm.	H. M.
November 16	22 29·3	22 35·1	22 50·8	0·4	0 21·5
„ 21	20 8·8	20 18·7	21 17·2	6·8	1 8·4
„ 22	6 19·04	6 22·3	6 33·4	0·5	0 14·0
„ 24	14 16·4	14 29·2	14 59·3	0·4	0 42·9

All times given above denote G. M. T.

N. A. F. MOOS,
Director, Government Observatories, Bombay & Alibag.

CALCUTTA OBSERVATORY.

5. List of displacements recorded by the Milne seismograph at the Alipore Observatory during November 1907.

Date 1907.	P. T. Commencement. G. M. T.	L. W. Commencement. G. M. T.	Maximum. G.M.T.	End. G. M. T.	Duration.	Maximum displacement on trace from mean position. mm.	Remarks.
	H. M.	H. M.	H. M.	H. M.	H. M.		
Nov. 2nd	22 27·3	...	22 28·4	22 35·5	0 8·2	0·50	
„ 16th	15 37·9	...	...	15 56·7	0 18·8	...	Thickening of line.

Date 1907.	P. T. Commencement G.M.T.	L. W. Commencement G.M.T.	Maximum. G.M.T.	End. G.M.T.	Duration.	Maximum displacement on trace from mean position. mm.	REMARKS.
Nov. 16	22 18·5	...	22 39·3	22 49·5	0 31·0	0·50	
„ 21	20 10·1	...	20 17·7	21 29·9	1 19·8	? *	
„ 21	22 16·7	...	...	22 23·8	0 7·1	...	Thickening of line.
„ 21	23 9·5	23 14·6	23 16·7	23 21·8	0 12·3	0·50	
„ 22	0 10·7	...	0 14·7	0 33·0	0 22·3	1·00	Sensibility throughout 1mm. = 0·38" of tilt.
„ 22	6 13·8	6 19·9	6 22·0	6 50·4	0 36·6	4·50	
„ 24	14 10·7	14 19·3	14 21·9	15 10·1	0 59·4	2·75	Sensibility 1mm. = 0·38" of tilt.
„ 30	12 3·2	12 7·3	12 8·3	12 18·5	0 15·3	1·00	

*Maximum displacement on trace from mean position in mm. cannot be given as the boom moved throughout the trace.

C. W. PEAKE,
Meteorologist, Calcutta.

SIMLA OBSERVATORY.

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

Date.	Commencement of 1st P. T. G.M.T.	Commencement of 2nd P. T. G.M.T.	Beginning of L. W. G.M.T.	Time of Maximum amplitude G.M.T.	End approximately. G.M.T.	Duration.	Maximum displacement of style.	REMARKS.
1907	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.		
November 2nd	22 16·1	...	...	22 17·7	22 30	0 14	1	Origin at some distance from Simla.
„ 13th	13 14·3	...	...	13 15·9	13 26	0 11·7	1.5	Local.
„ 21st	20 8·2	20 13·9	20 18·2	20 21·9	21 10	1 0	9	Centre about 2,900 miles distant.

Earthquakes were felt at Oghi in the North-West Frontier Province at 11 hrs. 51 min. G.M.T. on the 13th and at Berhampore at 12 hrs. 30 min. G.M.T. on the 30th; at the latter place its direction was from north to south.

J. PATTERSON,
Imperial Meteorologist, Simla.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

7. *Solar observations.*—Observations were taken on every day except the 2nd, 10th, 14th to 17th and 25th and 26th, groups of sunspots being seen throughout except 29th and 30th. They were especially nummerous between the 3rd and 9th and faculæ were visible on each day of observation.

Magnetic disturbances.

Day.	Time.	Disturbance.
3rd	1 h. to 4½ h. .	Double wave in H. F. (−10 to +10).
„	8 h. to 15 h. .	Small fluctuations.
3rd to 4th	22 h. to 0 h. .	Wave in H. F. (+19) followed by small fluctuations till 6 h.
8th	½ h. to 1½ h. .	Wave in H. F. (+16).
9th to 10th	22 h. to 0 h. .	Undulations in H. F. (±8).
10th to 11th	12½ h. to 2 h. .	Wave in H. F. (−77) with superposed undulations (±8).
10th	17½ h. to 21 h.	Undulations in Decl. (±1'0') in V. F. small.
11th to 12th	19 h. to 0 h. .	Wave in H. F. (−47).
12th	2½ h. to 3½ h.	Wave in H. F. (+28): small undulations in Decl. and V. F.
17th	3 h. to 5 h. .	Wave in H. F. (+9).
20th	—	Accentuated diurnal variation in H. F. in Decl.
21st to 22nd	14 h. to 14 h.	See diagram.
23rd	14 h. to 20 h. .	Wave in H. F. (−25).
26th	12 h. to 18 h.	Small fluctuations in H. F.
27th	16 h. to 18½ h.	Wave in H. F. (−50) followed by occasional small fluctuations till 28th, 2h.

T. F. CLAXTON.
Director.

Weather in the Indian monsoon region.

8. Pressure was in slight defect at Mauritius and Zanzibar and normal at Seychelles. The wind directions were normal at Seychelles and Mauritius but at Zanzibar they were south-south-west instead of south-east and were weaker than usual at all three stations. There was also a deficiency of rainfall at all three stations but especially at Seychelles where it amounted to over 8 inches.

	Mauritius.	Zanzibar.	Seychelles.
Departure from normal of mean pressure.	—·021	—·016	—·006
Actual mean wind direction	N 89° E	S 20° W	S 62 °E
Normal mean wind direction	S 83° E	S 36° E	S 56 °E
Actual mean wind velocity (miles per diem).	205	71	122
Normal mean wind velocity (miles per diem).	257	110	127
Rainfall departure from normal	—0·46	—2·33	—8·47

Depressions and cyclonic storms.

9. The area of low pressure in the south of the Bay was well marked throughout the month and within it four depressions developed during the month; they all advanced to the Madras coast and two passed across the Peninsula into the Arabian Sea. The cold weather depressions that entered northwest India were unimportant.

A depression began to form in the usual area of low pressure over the south of the Bay at the beginning of the month and as it passed westward over Ceylon into the Arabian Sea it stimulated the monsoon into fresh activity over the south of the Peninsula where rain fell daily up to the 10th. On reaching the Arabian Sea the depression developed into a cyclonic storm of moderate intensity and travelled in a direction north of west to the neighbourhood of the Kuria Muria Island off the Arabian coast where it was broken up.

On the 8th the low pressure conditions in the south of the Bay again began to intensify and moderate to heavy rainfall continued in south Madras and commenced in the Andaman Islands. By the 12th a cyclonic storm had developed to the west of the Andaman Islands and drew the moisture laden winds into its circulation, thus stopping the rainfall in south India. The storm moved in a direction slightly north of west and appeared off the central Madras coast on the 14th when it gave a few heavy falls of rain in Madras city and neighbourhood, but it failed to cross the coasts and was rapidly broken up having completely disappeared by the morning of the 18th without causing any more rainfall of importance.

The next development of the area of low pressure began on the 22nd and by the 24th a depression had formed in the Andaman Sea but during its initial stage it did not cause any rainfall of importance except in the Andaman Islands; it advanced rapidly westward and crossed the coast near Madras on the 26th, after passing inland it decreased in intensity but the rainfall increased very much and some heavy falls were recorded in the region represented by Madras, Nellore and Cuddapah. The depression crossed the Ghats and passed out into the Arabian Sea near Karwar on the 28th when it ceased to affect the Indian area. It was however the cause of light rain over the Deccan excluding the northwestern districts and in North Kanara.

The previous depression had scarcely disappeared before another was forming over the Andaman Sea and on the 30th it gave heavy rain in the Andaman Islands. The further progress of the storm will be given in the December review.

Four cold weather depressions entered India from Persia during the month but they did not affect the weather beyond causing cloud in upper India and light precipitation occasionally in Kashmir.

Pressure.

10. The gradual change in pressure which begins at the close of the monsoon and which by the end of November has reversed the pressure gradients over India took place very slowly and the establishment of the cold weather conditions was not as complete as it generally is by November. Pressure was thus in defect all along the western border of India, especially in the North-West Frontier Province, while in the eastern districts it was normal. There was also an area of deficient pressure along the south of the United Provinces and adjacent districts of Central India. In no part of the country was there any appreciable excess in pressure and on the mean of the whole of India there was a defect of 0·014".

The departures from normal pressure at the level of the hill stations were very much the same as at the plains stations in their neighbourhood, with the single exception of Kashmir where, at the elevation of Leh, pressure was in considerable excess. The pressure gradients were thus not as steep as usual, a condition unfavourable for the cold weather rains.

The annexed tables give pressure data for the 14 meteorological divisions and for 8 pairs of associated plains and hill stations.

Division.	Departure from normal of mean 8 hrs. pressure.
	"
Burma	—·008
Eastern Bengal and Assam	+·003
Bengal	—·004
United Provinces	—·014
Punjab	—·015
North-West Frontier Province	—·037
Sind	—·022
Rajputana	—·015
Bombay	—·024
Central India	—·015
Central Provinces	—·013
Hyderabad	—·027
Mysore	—·021
Madras	—·018

HILL STATION.	Departure from normal pressure. A	PLAIN STATION.	Departure from normal pressure. B	Departure of pressure difference. B—A.
	"		"	"
Quetta	—·008	Jacobabad	—·024	—·016
Leh	+·033	Lahore	—·026	—·059
Murree	+·013	Peshawar	—·049	—·062

HILL STATION.	Departure from normal pressure. A	PLAIN STATION.	Departure from normal pressure. B	Departure of pressure difference. B—A.
	"		"	"
Simla	+·007	Ludhiana	+·02	—·005
Chakrata	+·012	Roorkee	·001	—·011
Darjeeling	+·007	Dhubri	—·003	—·010
Mount Abu	—·009	Deesa	—·025	—·016
Pachmarhi	—·003	Khandwa	—·028	—·025

Temperature.

11. In the south of the Peninsula where good rain fell temperature both by day and by night was normal but over the rest of India day temperature was higher than usual; the excess was most marked in the region extending from Nagpur and Seoni in the Central Provinces through Berar, Khandesh and south-east Gujarat into Kathiawar, in the United Provinces and the north-west of the Punjab. In the higher regions of the atmosphere the maximum was also as much in excess as in the plains, while at Kabul it was 11° higher than usual. At night the general features of the temperature conditions were considerably different from those of the day and it was only in the Deccan, south-east Gujarat, the North-West Frontier Province and adjacent districts of the Punjab, and south Burma, that there was a marked excess. There was on the other hand a defect in Bihar and the south-east of Eastern Bengal and Assam. A noteworthy feature of the month was the abnormally hot weather that prevailed in the north of the Bombay Deccan from the 18th to the 24th and again from the 28th to the end of the month, and which at times extended into Berar. Skies were more or less clouded at the time and the night temperature was affected much more strongly than the day and on several occasions it attained an excess of over 15°, the greatest being over 19° at Ahmednagar.

The following tables give the temperature data for the month.

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

SUB-DIVISION.	ACTUAL TEMPERATURE.					DEPARTURE FROM NORMAL OF		
	Mean maximum.	Mean minimum.	Monthly mean of mean between maximum and minimum.	Mean daily range of temperature.	Absolute range during month.	Maximum.	Minimum.	Daily range.
	°	°	°	°	°	°	°	°
1. Bay Islands	85·7	76·5	81·1	9·2	16·7	—1·1	—1·0	—0·1
2. Lower Burma	87·8	73·4	80·6	14·4	21·7	+0·9	+2·2	—1·3
3. Upper do.	87·3	62·8	75·0	24·5	33·4	+1·2	—1·4	+2·6
4. Assam	81·8	60·6	71·2	21·1	29·6	+0·8	—1·1	+1·9
5. Eastern Bengal	83·9	61·7	72·8	22·2	30·8	+1·7	—1·2	+2·9
6. Bengal	86·1	61·8	74·0	24·3	33·9	+3·5	—1·4	+4·9

Sub-division.	Actual temperature.					Departure from normal of month of		
	Mean maximum.	Mean minimum.	Monthly mean of mean between maximum and minimum.	Mean daily range of temperature.	Absolute range during month.	Maximum.	Minimum.	Daily range.
	°	°	°	°	°	°	°	°
7. Orissa	86·8	64·5	75·7	22·3	33·2	+3·0	−0·5	+3·5
8. Chota Nagpur	83·9	57·6	70·6	26·4	36·6	+3·3	−0·2	+3·5
9. Bihar	85·5	58·4	72·0	27·0	37·6	+2·7	−1·5	+4·2
10. United Provinces, East	87·1	53·7	70·4	33·4	45·3	+4·3	−2·0	+6·3
11 Do., West	85·0	54·1	69·6	30·9	43·3	+3·3	+0·7	+2·6
12. Punjab, East and North	84·7	50·9	67·8	33·8	46·7	+3·0	+1·2	+1·8
13. Do., Southwest	87·0	52·7	69·9	34·2	47·3	+3·2	+1·7	+1·5
14. Kashmir	57·0	29·7	43·4	27·3	41·2	+4·1	+2·3	+1·8
15. North-West Frontier Province	82·2	48·8	65·6	33·4	46·5	+2·6	+2·8	−0·2
16. Baluchistan	69·8	43·3	56·6	26·5	50·4	+3·8	+0·7	+3·1
17. Sind	90·9	59·1	75·0	31·8	45·0	+3·5	+1·6	+1·9
18. Rajputana, West	89·4	57·4	73·4	32·0	44·0	+1·2	−0·8	+2·0
19. Do., East	87·8	55·9	71·8	31·9	44·1	+2·6	+0·5	+2·1
20. Gujarat	92·6	64·5	78·6	28·1	40·1	+3·4	+1·6	+1·8
21. Central India, West	87·3	56·1	71·7	31·2	42·4	+3·4	+1·6	+1·8
22. Do., East	84·8	54·0	69·4	30·8	43·2	+3·1	+0·5	+2·6
23. Berar	90·9	62·7	76·8	28·2	38·6	+4·2	+3·2	+1·0
24. Central Provinces, West	87·4	57·2	72·3	30·2	43·1	+3·8	+0·6	+3·2
25. Do., East	85·4	56·9	71·2	28·5	38·3	+3·0	−2·4	+5·4
26. Konkan	89·1	73·6	81·4	15·5	25·6	+1·2	+2·1	−0·9
27. Bombay Deccan	89·2	61·8	75·5	27·5	40·8	+3·6	+2·3	+1·3
28. Hyderabad, North	87·8	63·3	75·6	24·5	38·7	...	...	...
29. Do., South	88·8	66·8	77·8	22·0	33·8	+3·7	+2·8	+0·9
30. Mysore	82·2	63·6	72·9	18·6	30·0	+1·2	+1·2	0
31. Malabar	86·0	74·4	80·2	11·6	19·3	−0·5	+0·7	−1·2
32. Madras, Southeast	85·7	72·3	78·9	13·4	22·7	−0·3	+0·6	−0·9
33. Do., Deccan	89·6	68·9	79·3	20·7	33·5	+1·8	+2·6	−0·8
34. Do. Coast, North	85·1	71·5	78·3	13·7	22·8	+2·0	+1·3	+0·7

Winds.

12. In Madras winds were considerably above the average strength, but in all other parts of India they were normal or weaker than usual; the feebleness of the air movement was most noticeable in Sind and Central India but on the other hand the directions were steadier than usual in both these areas and in Rajputana, while they were most variable in Mysore. The general directions of the winds did not depart much from the normal and north-easterly winds generally prevailed in north-east India and over the greater part of the Bay as far as can be judged from the coast stations.

Division.	Departure from normal of	
	Hourly wind velocity.	Wind steadiness.
Burma	+0·2	—8
Eastern Bengal and Assam	—0·4	—9
Bengal	—0·4	+1
United Provinces	—0·6	—5
Punjab	0	+5
North-West Frontier Province	—0·8	—1
Sind	—1·0	+12

Division.	Departure from normal of	
	Hourly wind velocity.	Wind steadiness.
Rajputana	—0·2	+10
Bombay	—0·8	0
Central India	—1·0	+10
Central Provinces	0	+7
Hyderabad	0	—4
Mysore	—0·3	—12
Madras	+1·2	—6

Humidity and cloud.

13. It was only in the southern half of the Peninsula and in south Burma, the regions of approximately normal rainfall, and in Sind and west Rajputana that the absolute and relative amount of moisture was greater than usual but even in these areas the excess was very small. In the rest of India the air was drier than usual, especially in the north of the Bombay Deccan and in the east of the United Provinces.

Skies were more cloudy than usual in the Peninsula and the Central Provinces although it was only in the southern districts of the former area that there was any rainfall of importance, but in northern India and north Burma the skies were free from cloud during by far the greater part of the month.

Division.	Hygrometry; 8 hours.				Cloud.	
	Mean humidity.	Departure from normal.	Mean vapour tension in inches of mercury.	Departure from normal in inches of mercury.	Mean cloud amount at 8 hrs.	Departure from normal.
	%			"		
Burma	84	+ 1	·708	+·026	3·0	—0·9
Eastern Bengal and Assam.	86	— 2	·591	—·019	1·2	—1·2
Bengal	72	— 5	·496	—·043	1·1	—0·9

Division.	Hygrometry; 8 hours.				Cloud.	
	Mean humidity.	Departure from normal.	Mean vapour tension in inches of mercury.	Departure from normal in inches of mercury.	Mean cloud amount at 8 hours.	Departure from normal.
	%		"	"		
United Provinces.	58	—13	·336	—·070	0·3	—0·8
Punjab	54	— 8	·274	—·074	0·7	—0·9
North-West Frontier Province.	62	— 3	·276	+·006	1·8	—0·3
Sind	55	0	·376	+·014	1·6	0
Rajputana	52	+ 3	·303	+·009	0·8	—0·8
Bombay	55	— 8	·484	—·039	2·4	+0·9
Central India	53	— 7	·336	—·033	1·3	+0·2
Central Provinces.	50	—13	·346	—·066	1·7	+0·3
Hyderabad	58	— 5	·497	+·012	3·0	+1·1
Mysore	80	+ 5	·598	+·042	5·8	+1·0
Madras	80	+ 1	·746	+·017	5·5	+1·2

Rainfall.

14. By the end of October the monsoon had retreated southward to the south of the Peninsula and the Andaman Islands, and in these regions as the area of low pressure over the south of the Bay was well developed and cyclonic storms of slight to moderate intensity were numerous, the rainfall for the month was much heavier than usual. The first period of wet weather in south India lasted from the 1st to the 10th and occasionally rainfall extended as far north as the Madras Deccan and the extreme south of Bombay Presidency. As the second depression of the month neared the Madras coast, it occasioned a few heavy falls of rain between Nellore and Madras but did not give any rainfall of importance in other parts. The storm that crossed the Peninsula into the Arabian Sea gave a good burst of rain in the Peninsula and in the region between Madras, Nellore and Cuddapah, the rainfall was very heavy. After the depression passed out into the Arabian Sea an area of low pressure appeared over the head of the Peninsula and this acting on the favourable conditions already established by the former depression, caused fairly widespread rain over Hyderabad and the Central Provinces, while the districts of Central India bordering on the Central Provinces also benefited by the rain. In the rest of India excluding Lower Burma weather was generally dry throughout the month and the rainfall was insignificant.

The usual rainfall tables are attached and Plate VII gives the actual and normal rainfall for each of the 34 sub-divisions:—

Sub-division.	Number of rainy days.		Rainfall.			
	Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
			Inches.	Inches.	Inches.	
1. Bay Islands	16·0	10·4	18·85	7·35	+11·50	+157
2. Lower Burma	1·6	2·4	0·73	1·60	−0·87	−54
3. Upper do.	0·2	2·1	0·09	1·23	−1·14	−93
4. Assam	0·2	1·3	0·17	0·68	−0·51	−75
5. Eastern Bengal	0·1	0·8	0·02	0·66	−0·64	−97
6. Bengal	0	0·7	0·06	0·56	−0·50	−89
7. Orissa	0·2	1·5	0·13	1·35	−1·22	−90
8. Chota Nagpur	0	0·6	0	0·33	−0·33	−100
9. Bihar	0	0·3	0	0·16	−0·16	−100
10. United Provinces, East	0	0·3	0	0·15	−0·15	−100
11. Do., West	0	0·3	0	0·12	−0·12	−100
12. Punjab, East and North	0	0·3	0	0·13	−0·13	−100
13. Do., Southwest	0	0·2	0	0·11	−0·11	−100
14. Kashmir	0·3	1·1	0·08	0·44	−0·36	−82
15. North-West Frontier Province	0	0·7	0	0·48	−0·48	−100
16. Baluchistan	0	1·2	0	0·51	−0·51	−100
17. Sind	0	0·2	0	0·09	−0·09	−100
18. Rajputana, West	0	0·3	0	0·19	−0·19	−100
19. Do., East	0	0·4	0	0·19	−0·19	−100
20. Gujarat	0	0·4	0	0·28	−0·28	−100
21. Central India, West	0·4	0·4	0·26	0·22	+0·04	+18
22. Do., East	0·4	0·6	0·14	0·29	−0·15	−52
23. Berar	0·9	0·9	0·63	0·58	+0·05	+9
24. Central Provinces, West	1·2	0·6	0·76	0·38	+0·38	+100
25 Do., East	0·7	0·8	0·36	0·54	−0·18	−33
26. Konkan	0·6	1·4	0·38	0·87	−0·49	−56
27. Bombay Deccan	0·8	1·5	0·32	0·89	−0·57	−64
28. Hyderabad, North	0·3	1·5	0·11	0·90	−0·79	−88
29. Do., South	1·0	2·2	0·26	1·14	−0·88	−77
30. Mysore	4·0	3·8	2·10	2·56	−0·46	−18
31. Malabar	7·1	5·3	6·80	4·03	+2·77	+69
32. Madras, South east	9·4	7·7	8·92	6·69	+2·23	+33
33. Madras Deccan	3·8	3·3	2·81	2·24	+0·57	+25
34. Madras Coast, North	3·9	3·7	3·31	3·84	−0·53	−14

Division.	Rainfall. Actual.	Normal.	Departure from normal.	Percentage departure.
	"	"	"	
Burma	0·38	1·40	—1·02	— 73
Eastern Bengal and Assam.	0·10	0·67	—0·57	— 85
Bengal	0·05	0·53	—0·48	— 91
United Provinces	0	0·13	—0·13	—100
Punjab	0	0·13	—0·13	—100
North-West Frontier Province.	0	0·48	—0·48	—100
Sind	0	0·09	—0·09	—100

Division.	Rainfall. Actual.	Normal.	Departure from normal.	Percentage departure.
	"	"	"	
Rajputana	0	0·19	—0·19	—100
Bombay	0·22	0·69	—0·47	— 68
Central India	0·22	0·24	—0·02	— 8
Central Provinces	0·62	0·50	+0·12	+ 24
Hyderabad	0·19	1·03	—0·84	— 82
Mysore	2·10	2·56	—0·46	— 18
Madras	6·22	5·00	+1·22	+ 24
Mean of India when the size of the above areas is taken into account.	0·80	1·02	—0·22	— 22

Snowfall.

I.—AFGHANISTAN.

15. *Kabul.*—No snow fell in Kabul during the month; a rather severe snow storm however occurred on the Hindu-kush about the middle of the month.

II.—NORTH-WEST FRONTIER PROVINCE.

Wana.—No snow fell during the month.

Kurram.—Snow fell on three occasions on the Sufed Koh, while a heavy fall occurred in Ningrahar burying nine men.

III.—KASHMIR.

Snow fell on the 16th and 28th on the hills surrounding Leh.

IV.—PUNJAB.

Kilba.—A slight fall of snow occurred on the 29th down to 11,000 feet.

Name of Pass.	Depth of accumulation at the end of the month. Reported.	Normal.
	Feet.	Feet.
Rupin Pass	1½	5
Brua "	1½	5
Harang "	1	1
Shatul "	1½	5
Buldar "	1½	5½
Runang "	1	2½

V.—UNITED PROVINCES.

Almora.—There were a few falls chiefly towards the end of the month. The total amount was estimated at about 3 feet on the Binkaru peak and at 9 inches in Malla Johar.

Name of Pass.	Depth of accumulation at the end of the month. Reported.	Normal.
	Feet.	Feet.
Unta Dhura	5½	8
Ralam "	1½	6½
Binkaru Pass	13	16
Lampia "	2	7
Lipu Lekh "	2	4

As in the corresponding month of the previous year the snow line was very high.

16.—SUMMARY.

(*a*) There were a few local falls of snow in the Afghan Mountains.

(*b*) In the Simla hills a feeble snowstorm occurred towards the close of the month at elevations above 11,000 feet. The accumulations on the passes near Kilba were not so deep as usual.

(*c*) In Almora there were a few falls, but they were light. The accumulations on the well known passes and peaks were half of the normal depth, and the snowline was very high.

Crop report.

17. *Burma.*—The standing crops in the lower provinces were in good condition and promised well, but in the central districts of Upper Burma they were poor, and in some of the northern districts they needed more rain.

Eastern Bengal and Assam.—Prospects of winter rice were poor on high lands but apart from this the condition of standing crops was generally fair.

Bengal.—The outturn of winter rice was generally unsatisfactory and the prospects of spring crops were not hopeful. Rain was urgently needed.

United Provinces.—The harvesting of autumn crops, picking of cotton and pressing of sugar-cane were in progress. The germination of spring crops sown by the aid of irrigation was generally good. Drought had injured sugar-cane and Arhar; fodder was scarce and cattle had begun to suffer.

Punjab.—The condition and prospects of irrigated crops, were average to bad and the outturn of autumn crops was generally below average. Cattle were suffering.

North-West Frontier Province.—Standing crops were in fair condition in irrigated areas but in unirrigated lands they were generally poor. Cattle were suffering in parts of Dera Ismail Khan, and rain was badly wanted all over the province.

Jammu and Kashmir.—The condition of standing crops in Jammu was bad for want of rain, and fodder was insufficient in several places.

Rajputana.—Sowings were restricted to irrigated lands where germination was satisfactory. Cattle were in good condition except in one district and the fodder and water supply were generally sufficient.

Central India.—Dry autumn crops were seriously damaged by drought but in Indore, Bhopal, Malwa and parts of Bhopawar the condition of standing crops was fair to good. The general situation had improved in parts owing to timely rain.

Central Provinces.—Harvesting of autumn crops and picking of cotton was in progress. Rainfall had much benefited the standing crops. Fodder and water were sufficient except in parts of Akola and Yeotmal.

Bombay.—More rain was generally needed and standing crops were withering in parts of the Presidency. The supply of fodder and drinking water was generally sufficient and agricultural stock was on the whole in good condition.

Hyderabad.—Agricultural prospects had generally improved but more rain was still urgently required in parts of Warangal. The autumn harvest was only fair in the greater portion of the dominions and bad on higher lands on the western frontier.

Mysore.—The standing crops were in good condition and were being harvested. The prospects of the season were good and cattle were healthy.

Coorg.—Coffee-picking was in progress and agricultural prospects were good.

Madras.—The standing crops were withering and required more rain in parts, but elsewhere they were in fair condition. Harvesting was in progress with poor to normal outturn. The condition of cattle was generally good.

J. PATTERSON.

TABLE A.—Abstract of observations taken at 10 hrs. and 16 hrs., at 38 stations in India, etc., in November, 1907.

Table

Abstract of observations taken at 10 hrs. and 16 hrs., at 38

Number of sub-division	Station.	Elevation of barometer cistern above sea-level, in feet.	Pressure.						Temperature of Air.										Temperature, Wet-bulb.			
			Mean of 10 hrs.	Mean of 16 hrs.	Mean daily range.	Mean of daily mean pressure.	Departure from normal.	Mean reduced to S. L. and gravity, 45° Lat.	Mean maximum.	Mean minimum.	Mean daily range.	Highest maximum.	Lowest minimum.	Absolute range.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of three previous columns.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	I.—Burma.																					
2	Rangoon . .	36	29·949	29·829	·120	29·891	−·015	29·864	89·2	75·5	13·7	91·7	73·0	18·7	84·3	86·9	80·6	+ 2·3	73·7	77·9	77·1	75·9
	III.—Bengal.																					
6	Calcutta . .	21	30·011	·889	·122	·916	−·018	·913	85·5	63·2	22·3	88·5	57·1	31·4	79·8	83·5	73·8	+ 1·4	61·8	68·9	68·9	66·5
	IV.—United Provinces of Agra and Oudh.																					
10	Allahabad . .	309	29·721	·599	·122	·650	−·031	·916	87·7	54·4	33·3	94·4	48·7	45·7	77·8	85·4	69·5	+ 2·0	51·2	60·8	62·1	58·0
11	Dehra Dun . .	2,233	27·774	27·681	·093	27·717	−·021	·941	79·3	53·0	26·3	83·2	45·8	37·4	69·8	74·0	65·2	+ 2·7	48·8	57·6	58·5	55·0
	V.—Punjab.																					
12	Lahore . .	702	29·308	29·219	·089	29·255	−·031	·938	86·3	50·0	36·3	92·6	44·6	48·0	73·6	84·0	66·1	+ 2·9	46·9	59·0	63·7	56·5
	VIII.—Rajputana.																					
19	Jaipur . .	1,431	28·607	28·505	·102	28·547	−·015	·999	88·2	56·1	32·1	94·3	50·0	44·3	80·9	85·8	70·5	+ 1·8	47·4	59·1	61·4	55·9
	Udaipur . .	1,925?	·110	·000	·110	·053		·928	86·9	54·0†	32·9	93·1	47·7	45·4	79·7	85·4	70·2†		48·2†	61·7	65·5	58·5
	IX.—Bombay.																					
26	Bombay . .	37	29·935	29·825	·110	29·876	−·037	·853	89·4	75·4	14·0	93·2	72·8	20·4	81·8	85·0	81·6	+ 2·3	69·2	72·4	75·1	72·2
	XI.—Central Provinces.																					
24	Buldana . .	2,132	27·885	27·774	·114	27·821	−·028	·878	88·5	64·1	22·4	90·6	60·0	30·6	82·3	84·7	74·9	+ 3·2	54·0	62·6	62·6	59·7
	Nagpur . .	1,017	29·002	28·876	·126	28·934	−·011	·914	88·9	59·6	29·3	93·1	50·6	42·5	78·9	86·7	73·7	+ 1·5	54·2	63·6	66·2	61·3
	XII.—Hyderabad.																					
29	Hyderabad .	1,690	28·297	·178	·119	·236	−·015	·868	87·9	66·0	21·9	91·5	56·6	34·9	80·4	84·1	76·3	+ 4·0	60·6	67·3	67·5	65·1
	XIII.—Mysore.																					
30	Bangalore . .	3,021	26·981	26·875	·106	26·927	−·020	·849	80·4	63·1	17·3	86·4	54·8	31·6	74·1	76·3	70·8	+ 1·2	62·0	66·4	66·8	65·1
	Mysore . .	2,518	27·468	27·352	·116	27·409	−·031	·843	82·4	65·1	17·3	85·9	57·4	28·5	76·4	80·2	72·8	+ 0·5	63·6	67·7	68·0	66·4
	XIV.—Madras.																					
32	Periyakulam .	944	28·958	28·817	·141	28·888		·768	86·2	70·4	15·8	90·3	65·3	25·0	80·4	83·1	78·3		67·3	71·9	72·9	70·7
	Pudukkottai .	318	29·638	29·524	·114	29·581		·832	85·9	72·7	13·2	91·6	70·0	21·6	80·3	83·0	79·3		69·8‡	73·7	74·1	71·2
	Madras . .	22	·940	·843	·097	·894	−·032	·847	83·5	72·8	10·7	87·4	65·8	21·6	80·8	80·1	77·3	− 0·6	72·0	76·0	75·3	74·4
	Station in the Bay.																					
1	Port Blair . .	61	·886	·786	·100	·838	−·010	·830	85·4	76·2	9·2	91·0	72·2	18·8	82·3	82·1	80·0	− 1·2	74·1	78·2	77·5	76·6
	Kashmir.																					
14	Srinagar . .	5,204	25·036	24·927	·109	24·977	−·019	24·948	65·4	33·3	32·1	70·1	27·9	42·2	48·1	63·1	47·4	+ 3·4	31·1	45·0	57·5	44·5
	Leh . . .	11,50	19·816	19·716	·100	19·764	+ ·026	19·732	50·2	23·5	26·7	56·1	13·9	42·2	39·6	46·3	34·9	+ 5·8	30·8	30·9	33·3	28·3
	Baluchistan.																					
16	Quetta . .	5,502	24·771	24·696	·075	24·724	−·005	24·684	68·8	34·1	34·7	77·5	24·4	53·1	58·8	64·2	51·0	+ 3·0	31·0	42·2	45·9	39·7

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

† Mean of 29 days.
‡ „ „ 18 „

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

A.

Stations in India, etc., in November, 1907.

Vapour Tension in inches of Mercury.					Humidity.					Cloud.				Wind Direction.										Wind steadiness.		Wind velocity.		Rainfall.		Station.	Number of sub-division.
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.	Total number of 10 hrs. and 16 hrs. winds from Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Mean wind direction.	Normal mean wind direction of month.	Average percentage.	Normal percentage.	Mean velocity in miles per diem.	Normal.	Total rainfall for the month:	Heaviest fall during the month.		
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
																									%	%					I.—Burma.	
·314	·338	·306	·336	+·045	92	71	63	81	− 2	5·2	5·6	5·4	+1·4	3	9	26	17		4	1			N 57° E	N 66° E	68	57	43*	94	0·36	0·38	Rangoon	2
																															III.—Bengal.	
·537	·556	·513	·568	−·025	92	55	45	67	− 7	0·4	1·2	0·8	−1·7	3	13	6	3	2	1	10	5	17	N 38° W	N 12° W	42	58	59	60	0	0	Calcutta	6
																															IV.—United Provinces of Agra and Oudh.	
·236	·308	·250	·304	−·098	78	33	21	50	−14	0·8	1·0	0·9	−0·4	17	6	3	1			5	17	13	N 66° W	N 51° W	49	24	27*	55	0	0	Allahabad	10
·295	·328	·302	·303	−·033	73	45	36	54	− 9	0·5	0·9	0·7	−0·8	20	3	6	4	7	15	2	3		S 31° E	S 84° W	28	19	26	31	0	0	Dehra Dun	11
																															V.—Punjab.	
·284	·317	·322	·304	−·012	78	39	28	52	− 5	0·9	0·5	0·7	−0·8	26	1	1	2	4		1	17	8	N 78° W	N 42° W	30	18	31*	31	0·01	0·01	Lahore	12
																															VIII.—Rajputana.	
·223	·233	·262	·234	−·063	29	22	19	35	−12	0·4	0·7	0·6	−0·9	3	6	6	12	3	5	4	8	13	N 9° W	N 24° W	17	35	61	65	0	0	Jaipur	19
·270†	·330	·383	·333		64†	33	31	46		0·5	0·7	0·6		22	2	4	11	10	2	1	5	3	S 79° E		23		56*		0	0	Udaipur	
																															IX.—Bombay.	
·633	·679	·747	·711	−·005	72	62	62	69	− 4	3·4	2·3	2·9	+1·2		3	9	15	4	1		7	21	N 10° E	N 18° E	35	51	196	220	0	0	Bombay	26
																															XI.—Central Provinces.	
·299	·330	·299	·309	−·063	49	29	25	41	−13	2·6	4·0	3·3	+1·4		10	14	16	8	5		3	4	N 64° E	N 63° E	45	51	128*	120	0	0	Buldana	24
·363	·407	·367	·398	−·031	69	41	31	50	− 7	2·1	2·5	2·3	0	6	12	25	11	1	3		1	1	N 46° E	N 54° E	63	59	59*	89	0·72	0·69	Nagpur	
																															XII.—Hyderabad.	
·469	·512	·472	·495	−·017	72	49	41	57	− 9	3·8	4·9	4·4	+0·8	25		23	8	3				1	N 60° E	S 75° E	48	63	62*	84	0·13	0·13	Hyderabad.	29
																															XIII.—Mysore.	
·547	·562	·552	·567	+·028	94	67	62	77	+ 2	5·7	6·4	6·1			7	17	23	5	1	1	2	4	N 63° E	N 60° E	62	68	181*	129	1·09	0·43	Bangalore	30
·575	·575	·537	·575	+·012	92	63	52	72	+ 1	6·9	6·9	6·9	+0·5		3	17	25	6		2	4	3	N 71° E	N 39° E	60	22	188*	206	3·90	1·82	Mysore	
																															XIV.—Madras.	
·634	·673	·675	·661		85	65	60	69		6·1	7·3	6·7		7		4	11	19	4	14	1		S 23° E		50		40*		5·81	1·67	Periyakulam	32
·703‡	·747	·726	·725		90‡	73	65	76		7·2	8·0	7·6		2	11	25	4	4		3		11	N 25° E		59		192*		7·08	2·60	Pudukkottai	
·780	·837	·815	·831	+·035	97	80	80	88	+ 4	6·5	6·3	6·4	+0·5		12	19	10	5		3	7	4	N 34° E	N 27° E	45	62	167	156	16·25	3·64	Madras	
																															Station in the Bay.	
·819	·912	·885	·897	−·044	91	82	81	88	+ 3	7·6	8·4	8·0	+2·2	6	5	19	11	9	2	1	4	2	N 64° E	N 31° E	45	42	245*	161	25·54	5·08	Port Blair	1
																															Kashmir.	
·139	·268	·122	·260	+·027	76	79	73	77§	− 2	2·4	3·8	3·1	+0·1	14	11	4	1	10	3	3	3	11	N 12° W	N 1° E	17	21	71*	83	0·03	0·03	Srinagar	14
·091	·104	·085	·093	−·005	72	43	29	50	− 6	3·3	4·9	4·1	−0·1			3	1	2	23	21	9	1	S 29° W	S 27° W	70	27	65	50	0·13	0·13	Leh	
																															Baluchistan.	
·145	·131†	·151	·132	−·025	73	27†	21	44	− 7	1·0	1·3	1·2	−0·5	39	4				2		8	6	N 63° W	N 51° W	23	40**	13*	48	0	0	Quetta**	16

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

* Corrected.

§ Mean of three previous columns.

** Wind observations 1 less.

Table

Abstract of observations taken at 10 hrs. and 16 hrs., at 38

Number of sub-division.	Station.	Elevation of barometer cistern above sea-level, in feet.	Pressure.						Temperature of Air.										Temperature, Wet-bulb.			
			Mean of 10 hrs.	Mean of 16 hrs.	Mean daily range.	Mean of daily mean pressures.	Departure from normal.	Mean reduced to S. L. and gravity, 45° Lat.	Mean maximum.	Mean minimum.	Mean daily range.	Highest maximum.	Lowest minimum.	Absolute range.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of three previous columns.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	Hill Stations, excluding Kashmir and Baluchistan.																					
	Simla	7,224	23·215	23·161	·054	23·178	+·006	23·141	58·5	47·2	11·3	62·0	38·0	24·0	54·2	54·1	52·3	+2·2	37·9	42·1	42·9	41·0
	Sarain		·257	·191	·066	·214			61·8	36·8	25·0	68·4	29·3	39·1	53·1	53·9	48·8			40·8	41·7	
	Kalabagh¶		20·207	20·160	·047	20·174			47·8	34·9	12·9	52·6	27·7	24·9	43·9	43·5	40·8			39·8	39·7	
	Chakrata	7,022	23·389	23·336	·053	23·353	+·012	·313	65·4	45·7	19·7	69·8	38·1	31·7	59·4	57·3	55·1	+3·6	40·2	48·2	46·3	44·9
	Muktesar	7,556	22·971	22·902	·069	22·927		22·884	63·2	49·44	13·8	67·1	47·1	20·0	55·4	58·7	54·35		38·6	45·2	47·8	43·9
	Katmandu	4,388	25·751	25·650	·101	25·698	0†	25·652	72·5	47·0	25·5	77·1	41·7	35·4	62·1	67·4	59·3	+1·5†	45·5	56·8	58·3	53·2
	Darjeeling	7,376	23·103	23·058	·045	23·078	—·005	23·033	55·1	43·7	11·4	60·7	40·4	20·3	51·7	53·0	49·9	+2·1	40·7	48·4	50·1	46·4
	Pachmarhi	3,528	26·571‖	26·478	·093	26·518	—·007	26·465‖	78·8			82·9			71·9‖	75·2			46·3	57·6‖	59·1	54·3
	Mount Abu	3,945	·169	·095	·074	·125	—·013	·075	75·0	60·4	14·6	79·0	55·9	23·1	72·3	72·1	67·2	+2·0	51·4	56·5	57·3	55·1
	Chikalda	3,682	·450	·353	·097	·395	—·021	·339	80·6	60·7	19·9	84·7	57·4	27·3	73·8	77·0	70·2	+3·7	52·5	58·0	60·1	56·9
	Ootacamund	7,322	23·064	23·008	·076	23·043		22·979	62·9	43·5	14·4	66·3	41·9	24·4	58·9	57·9	55·3		46·8	53·5	53·8	51·4
	Kodaikanal	7,068	22·846	22·775	·071	22·811		·746	60·4	49·9	10·5	64·3	45·8	18·7	57·2	58·1	55·2		46·6	53·5	53·8	51·3
	Dodabetta	8,539†	·089	·025	·064	·054		21·994	55·9	46·7	9·2	60·0	40·1	19·9	53·7	52·5	51·3			50·2	49·2	
	Extra India.																					
	Minicoy	7	29·966	29·884	·082	29·930																
	Zanzibar	72	·954	·841	·113	·903	—·016	29·901	85·5	77·6	7·9	87·3	74·7	12·6	82·7	84·8	80·5	+1·1	73·8	76·9	76·9	75·7
	Diego Garcia**		·928	·848	·080	·888			84·4	76·7	7·7	86·0	74·0	12·0	81·1	81·6‡	80·6			76·1	76·5‡	
	Seychelles	15	·868	·878	·090	·936	—·006†	·875	83·9	76·6	7·3	85·7	73·6	12·1	82·0	82·3	78·9	+1·3†	71·7	76·4	76·4	74·8
	Mauritius	181				·867	—·021	·994				88·9	64·5	25·4			76·5	+1·3				70·4

‡ Mean of 29 days. § Mean of 11 days. ‖ Mean of 27 days. ¶ Observations of 10 days. ** Uncorrected readings 9hrs & 15hrs observations.

N.B.—Elevations in italics indicate barometric determinations.
NOTE.—The barometric readings are not reduced to sea-level in the cases of hill or plateau stations, the elevations of which exceed 3,800 feet.

—concluded.

tions in India, etc., for November, 1907—concluded.

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																	
Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean 10 hrs.	Mean 16 hrs.	Mean of two previous columns.	Departure from normal.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Mean wind direction.	Normal mean wind direction of month.	Average percentage.	Normal percentage.	Mean velocity in miles per diem.	Normal.	Total rainfall for the month.	Heaviest rainfall during the month.		
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
																								%	%					Hill Stations, excluding Kashmir and Baluchistan.	
·143	·164	·147	—·024	42	34	39	42	− 9	1·3	1·4	1·4	−0·9	6	22	4	1		19	5	2	1	N 39° W	N 27° W	7	8	122*	77	0	0	Simla.	
	·132	·142			34	34			1·2	1·5	1·4		17	1	4		3	16	13	1		S 18° W		17		93*		0·07	0·07	Sarain.	
	·112	·114			40	41			2·1	1·2	1·7																	0·12	0·12	Kalabagh.	
·225	·205	·208	+·012	64	44	43	54	− 3	1·0	1·0	1·0	−0·8	11	1			19	24	5			S 77° E	S 51° W	68	30	88*	130	0	0	Chakrata.	
·199	·224	·188		428	45	46	48		1·7	1·9	1·8		32					1		27		S 88° W		45		95*		0	0	Muktesar.	
·377	·388	·352	+·016	88	67	57	75	0	1·4	3·1	2·3	−0·3				21				39		W	N 81° W	30	42	13	14	0	0	Katmandu.	
·308	·334	·289	+·025	79	80	82	84	+ 1	4·9	6·6	5·8	+1·5	23		1*	1	1		8	10	16	N 77° W	N 54° W	42	10	54*	65	0·28	0·28	Darjeeling.	
	·3161	·321			401	37			1·2	1·4	1·3	−0·8	3	7	20	4	13	2	2	6		N 60° E	N 14° E	45	39	43*	67	0·15	0·12	Pachmarhi.††	
·278	·301	·286	+·043	53	35	38	49	+ 4	0·6	1·2	1·0	−0·4	2	2	3	2	1	6	24	9	13	S 71° W	N 44° E	52	15	88*	106	0	0	Mount Abu.	
·306	·328	·314	—·039	57	37	35	50	−10	2·5	3·1	2·8	+0·6	19	9	8			1	11		12	N 36° W	N 6° W	30	21	155*	120	0·85	0·81	Chikalda.	
·355	·374	·345		88	71	78	79		6·5	7·5	7·0			5	8	27	11	2	3	1	3	S 89° E		59		125*		4·54	1·12	Ootacamund.	
·378	·396	·357		81	81	88	83		7·1	8·4	7·8		1	11	5	12	5	4		3	19	N 7° E		35		307		10·02	3·63	Kodaikanal.	
	·334	·332			81	84			7·4	8·7	8·1		3	21	12	11	1	3	1	3	5	N 21° E		52		477*		5·17	1·54	Dodabetta.	
																														Extra India.	
									5·3	5·9	5·6			17	7	2		1	4	7	22	N 29° W		63		154*		11·52	5·20	Minicoy.	
·846	·818	·834	—·010	83	76	68	78	− 4	5·9	3·4	4·7	−0·7	12	6	5	5	5	8	11	6	2	S 30° W	S 38° E	15	17	71*	110	5·17	1·89	Zanzibar.	
·838	·8471				79	781			6·3	5·3	5·8			3	2	13	32	6	2	1	1	S 54° E		70		5		10·09	1·65	Diego Garcia.	
·840	·838	·824	—·012	78	77	76	80	− 3	5·0	5·6	5·3	−1·6†	10	2		14	13	5	1	1	9	S 62° E	S 56° E	35	14	122	127	2·85	0·76	Seychelles.	
		·640	+·037				70	+ 2			6·0	+0·5										N 89° E	S 83° E			205	257	1·34	0·37	Mauritius.	

† Departures from old normals. * Corrected. †† Wind observations 3 less.

G. I. C. P. O.—No. 280 Meteo.—23-7-08.—385.—W.H.D.R.

Table B.—Abstract of observations taken at 8 hrs. at 235 stations in India, etc., in November 1907.

(1) Provincial means.

(2) Data of stations.

(1) Provincial means based on the material in Table B (2) except that the statement of rainfall depends on the complete data of about 2,500 stations.

	Pressure departure from normal.	Temperature of air.								Wind.		Hygrometry.				Cloud.		Rainfall.		
		Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Absolute range during month.	Departure of velocity from normal.	Departure of steadiness from normal.	Mean humidity.	Departure from normal.	Mean vapour tension.	Departure from normal.	Mean cloud amount.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.
rma	—·006	87·5	+1·0	68·1	+1·0	77·8	+1·0	19·5	27·6	+0·2	— 8	84	+ 1	·708	+·026	3·0	—0·9	0·38	1·40	—1·02
stern Bengal and Assam	+·003	83·3	+1·4	61·4	—1·2	72·3	+0·1	21·9	30·4	—0·4	— 9	86	— 2	·591	—·019	1·2	—1·2	0·10	0·67	—0·57
ngal	—·004	85·7	+3·1	60·4	—1·0	73·0	+1·1	25·3	35·6	—0·4	+ 1	72	— 5	·496	—·043	1·1	—0·9	0·05	0·53	—0·48
ited Provinces of Agra and Oudh.	—·014	86·0	+3·7	53·9	—0·5	69·9	+1·6	32·0	44·3	—0·6	— 5	58	—13	·336	—·070	0·3	—0·8	0	0·13	—0·13
njab	—·015	85·3	+3·1	51·4	+1·4	68·4	+2·2	33·9	46·9	0	+ 5	54	— 8	·274	—·024	0·7	—0·9	0	0·13	—0·13
rth-West Frontier Province	—·037	82·2	+2·6	48·8	+2·8	65·6	+2·7	33·4	46·5	—0·8	— 1	62	— 3	·276	+·006	1·8	—0·3	0	0·48	—0·48
d	—·022	90·9	+3·5	59·1	+1·6	75·0	+2·6	31·8	45·0	—1·0	+12	55	0	·376	+·014	1·6	0	0	0·09	—0·09
jputana	—·015	88·4	+1·9	56·5	—0·1	72·4	+0·9	31·9	44·0	—0·2	+10	52	+ 3	·303	+·009	0·8	—0·8	0	0·19	—0·19
mbay	—·024	90·7	+2·8	66·0	+2·0	78·4	+2·4	24·7	36·7	—0·8	0	55	— 8	·484	—·039	2·4	+0·9	0·22	0·69	—0·47
ntral India	—·015	86·0	+3·3	55·0	+1·0	70·5	+2·2	31·0	42·8	—1·0	+10	53	— 7	·336	—·033	1·3	+0·2	0·22	0·24	—0·02
ntral Provinces	—·013	87·5	+3·7	58·1	+0·5	72·8	+2·1	29·4	40·9	0	+ 7	50	—13	·346	—·066	1·7	+0·3	0·62	0·50	+0·12
derabad	—·027	88·3	+3·7	65·3	+2·8	76·9	+3·3	23·0	35·9	0	— 4	58	— 5	·497	+·012	3·0	+1·1	0·19	1·03	—0·84
ysore	—·021	82·2	+1·2	63·6	+1·2	72·9	+1·2	18·6	30·0	—0·3	—12	80	+ 5	·598	+·042	5·8	+1·0	2·10	2·56	—0·46
dras	—·018	86·1	+0·4	72·0	+1·0	79·1	+0·7	14·1	23·5	+1·2	— 6	80	+ 1	·746	+·017	5·5	+1·2	6·22	5·00	+1·22

Tab

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

Number of sub-division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	2
	I.—Burma.																						
2	Mergui	119	29·835	+·001	29·886	29·901	19th	29·774	23rd	·127	79·3	87·1	−0·3	74·0	+4·3	80·6	+2·0	13·1	90·9	4th, 5th & 6th.	71·4	2nd & 30th.	19
	Tavoy	19	29·955	−·016	29·906	30·022	7th	29·887	24th	·135	77·5	88·9	+1·0	72·6	+4·1	80·8	+2·6	16·3	92·0	4th	67·8	21st	24
	Moulmein	94	29·893*	0*	29·926*	29·950	19th	29·832	16th	·118	77·9	89·1	+0·7	74·1	+3·0	81·6	+1·9	15·0	92·5	5th	70·3	11th & 12th.	22
	Rangoon	36	29·938	−·012	29·911	30·008	7th	29·843	16th	·165	78·4	89·3	+1·7	75·5	+3·2	82·4	+2·5	13·8	91·6	5th & 27th,	72·9	1st	18
	Bassein	27?	29·952	+·002	29·917	30·045	7th	29·848	16th	·197	76·4	88·0	+1·8	73·4	+1·9	80·7	+1·9	14·6	91·2	28th	67·9	1st & 2nd	23
	Diamond Island	41	29·927	−·005	29·903	30·000	7th	29·832	16th	·168	81·3	86·4	+0·9	77·3	+2·1	81·9	+1·5	9·1	90·4	5th & 6th	74·2	13th	16
	Toungoo	183	29·806	+·003	29·933	29·883	7th	29·702	16th	·181	75·4	88·3	+1·0	71·1	+1·1	79·7	+1·1	17·2	91·4	6th	66·6	20th	24
	Akyab	20	29·963	−·007	29·926	30·040	7th	29·846	16th	·194	71·3	85·3	+0·2	69·1†	−2·3	77·2†	−1·1	16·2	88·4	27th	63·8	30th	24
3	Thayetmyo	121	29·881	+·008	29·946	29·961	7th	29·764	16th	·197	76·1	91·8	?	66·6	−0·7	79·2	?	25·2	95·5	7th & 28th.	61·9	4 days	33
	Minbu	*165*	29·836	−·021	29·949	29·914	7th	29·714	16th	·200	74·0	90·1	+1·5	68·6	+0·4	79·3	+1·0	21·5	94·2	28th	64·1	21st	30
	Yamethin	657	29·327	−·032	29·951	29·407	7th	29·211	16th	·196	73·1	89·8	+1·0	63·3	−3·7	76·6	−1·4	26·5	93·3	6th, 28th & 29th,	57·0	21st	36
	Mandalay	250	29·745	−·011	29·950	29·800	7th & 19th,	29·634	16th	·166	74·3	93·0	?	67·3	+0·1	80·2	?	25·7	95·5	4 days	62·8	12th	32
	Monywa	*280*	29·761		29·980	29·857	7th	29·638	16th	·219	72·7	89·7		67·0		78·3		22·7	93·3	5th	62·6	12th	31
	Lashio	*2,751*	27·212	−·025	27·158	27·304	7th & 8th,	27·088	16th	·216	60·7	79·1	+2·0	53·7	−0·6	66·5	+0·7	25·4	82·5	4 days	47·0	12th	35
	Bhamo	*351*	29·859	+·008	30·013	29·771	7th	29·546	16th	·225	63·3	82·2	+0·4	57·5	−1·7	69·9	−0·7	24·7	85·9	3rd & 4th.	51·1	16th	34
	Myitkyina	458	29·564		29·998	29·680	7th	29·448	17th	·232	66·7	82·4		58·2		70·3		24·2	85·7	4th, 5th & 7th.	52·6	16th	33
	II.—Eastern Bengal and Assam.																						
4	Dibrugarh	353	29·685		30·014	29·801	7th	29·567	17th	·234	63·5	80·4		59·3		69·9		21·1	83·9	2nd	53·6	13th & 16th.	30
	Sibsagar	323	29·741	+·011	30·046	29·854	7th	29·618	17th	·236	64·0	77·8	−0·5	58·5	−1·1	68·1	−0·8	19·3	80·6	1st & 2nd	53·2	4 days	27
	Tezpur	252	29·785		30·007	29·889	7th	29·686	16th	·223	64·3	82·0		61·7		71·9		20·3	85·6	1st & 3rd	56·9	25th & 26th.	28
	Gauhati	195	29·852		30·011	29·952	7th	29·732	16th	·220	65·0	82·9		59·5		71·2		22·4	85·5	1st	55·1	15th	31
	Dhubri	115	29·916	−·003	29·992	30·003	7th	29·800	16th	·203	68·0	81·1	+1·2	64·1	+0·6	72·7	+1·0	17·0	85·7	1st	60·3	28th	25
	Silchar	104	29·925	+·006	29·986	30·006	7th	29·802	16th	·204	68·0	86·3	+1·5	60·7	−2·9	73·5	−0·7	25·6	89·5	8th, 10th & 12th.	55·3	24th	34
5	Chittagong	87	29·921	+·005	29·959	29·995	7th	29·808	15th	·187	68·9	84·4	+1·4	61·8	−4·0	73·1	−1·3	22·6	88·1	11th & 27th.	57·9	23rd & 29th.	30
	Noakhali	42	29·963		29·953	30·028	19th	29·849	16th	·179	69·2	83·2		61·2		72·2		22·0	86·2	11th	55·9	24nd	30
	Barisal	12	30·004	+·014	29·962	30·078	7th	29·885	16th	·193	73·8	84·4	+1·6	63·0	−2·0	73·7	−0·2	21·4	87·8	6th	57·6	23rd	30
	Comilla	36	29·979		29·963	30·050	19th	29·857	16th	·192	70·3	85·0		61·0		73·1		24·0	88·3	11th	56·3	25th	32
	Narayanganj	26	29·988	+·006	29·963	30·057	7th & 19th.	29·874	16th	·183	70·0	84·8	+1·1	64·2	−1·8	74·4	−0·4	20·4	87·5	2nd & 4th.	59·8	22nd & 23rd.	27
	Faridpur	46	29·978		29·974	30·066	7th	29·863	16th	·203	69·9§	83·9§		60·6§		72·2§		23·3	87·3	4th & 5th	55·4	22nd	31
	Sirajganj	49	29·978		29·978	30·054	7th	29·856	16th	·198	68·1	83·9		63·2		73·6		20·7	86·8	4th & 11th,	57·3	22nd	29
	Mymensingh	63	29·964	+·007	29·980	30·040	19th	29·851	16th	·189	70·9	84·3	+2·8	63·7	0	74·0	+1·4	20·6	87·6	11th	59·1	22nd	28
	Bogra	75	29·944	−·002	29·973	30·022	7th	29·832	16th	·190	69·1	84·8	+2·8	61·6	−0·8	73·2	+1·0	23·2	89·2	5th	56·2	22nd & 27th.	33
	Rampur Boalia	70	29·962		29·973	30·045	7th	29·834	16th	·211	69·6	85·5		60·9		73·2		24·6	90·1	3rd & 4th	54·6	22nd	35
	Malda	72	29·943		29·970	30·037	7th	29·835	16th	·202	68·6	83·4		59·9		71·6		23·5	87·3	3rd	53·5	22nd	33
	Dinajpur	123	29·895	−·007	29·979	29·980	7th	29·788	16th	·192	66·9	83·3	+0·9	59·3	−1·7	71·3	−0·4	24·0	86·8	4th	53·5	22nd	33
	Rangpur	123	29·916		29·998	30·000	7th	29·795	16th	·205	68·4	82·9		61·3		72·1		21·6	86·6	2nd	57·1	21st & 22nd.	29

* Mean of 26 days.
† „ 29 „
§ Mean of 27 days.

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

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

B.

tations in India, etc., in November, 1907.

Wind Direction.											Wind Velocity.			Wind steadiness.		Hygrometry, 8 hrs.				Cloud.		Rainfall.									Heaviest rainfall during month.	Station.
Number of winds from																															
N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Mean velocity in miles per hour.	Normal.	Departure from normal.	Actual percentage.	Departure from normal.	Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Mean cloud amount at 8 hrs.	Departure from normal.	Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 30th November 1907.	Normal rainfall for period, 1st May to 30th November.	Departure from normal of period, 1st May to 30th November 1907.		
26	27	28	29	30	31	32	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		2	4	2	2	2	N 49° W	N 29° E	1·2	1·6	−0·4	10	−42	87	+ 9	·854	+·104	3·0	−1·3	6	5·60	+0·40	2·07	3·70	−1·63	147·47	155·53	−8·06	0·55	Mergui.
								‡	N 29° E	1·2‖	1·2	0			86	+ 5	·810	+·072	4·0	0	4	3·90	+0·10	4·15	1·96	+2·19	258·43	203·34	+55·09	3·15	Tavoy.
4	7	1	4	1	1		1	N 71° E	N 4° E	2·9	2·4	+0·5	23	+ 1	96	+13	·910	+·160	4·5	+0·8	2	2·50	+0·50	2·63	1·93	+0·70	229·52	179·79	+49·73	1·48	Moulmein.
8	15	4						N 38° E	N 69° E	3·6	3·9	−0·3	79	+19	84	− 3	·831	+·063	4·4	+1·2	1	2·80	−1·80	0·38	2·43	−2·05	95·37	94·23	+1·14	0·38	Rangoon.
4	8	2	1	3	1	1	2	N 39° E	N 56° E	3·6‖	3·6	0	30	−29	87	+ 1	·798	+·034	2·6	−0·8	1	3·80	−2·80	0·23	3·51	−3·28	116·77	109·88	+ 6·89	0·16	Bassein.
2	22	4						N 48° E	N 53° E	3·4	9·2	−0·8	82	+ 9	82	+ 4	·879	+·089	4·6	+0·5	6	7·10	−1·10	3·99	5·41	−1·42	123·62	113·59	+10·03	1·59	Diamond Island.
5			1				4	N 17° W	N 12° W	1·2†	1·7	−0·5	23	−29	94	+ 6	·838	+·105	2·4	−2·1	1	2·00	−1·00	0·25	1·20	−0·95	104·07	76·32	+27·75	0·23	Toungoo.
14	15	1						N 26° E	N 2.° E	2·3	2·3	+0·5	92	+ 8	89	0	·689	−·061	2·1	−1·6	0	2·80	−2·80	0	2·77	−2·77	206·87	186·52	+20·35	0	Akyab.
11	1			3	2	1	12	N 33° W	N 4° E	6·0‖	3·6	+2·4	62	+ 7	70	− 8	·694	−·031	2·2	−0·4	0	2·40	−2·40	0	1·74	−1·74	25·24	35·58	−10·34	0	Thayetmyo.
3						1	26	N 42° W	N 48° W	7·9	7·1	+0·8	92	+16	71	− 5	·603	−·050	2·2	−0·4	0	1·30	−1·30	0	0·45	−0·45	22·44	30·31	−7·87	0	Minbu.
10			2	1			4	N 8° W	N 18° W	1·7	3·0	−1·3	33	−15	79	− 5	·644	−·031	3·5	+1·4	1	2·60	−1·60	0·15	0·97	−0·82	23·25	24·88	−1·63	0·15	Yamethin.
2		1		1			1	N 11° E	N 11° E	4·8	2·0	+2·8	6	−14	74	−11	·623	−·064	0·2	−3·6	0	2·90	−2·90	0	1·71	−1·71	19·00	30·69	−11·69	0	Mandalay.
2					5	22		N 50° W		2·4			86		78		·631		1·8		0	2·10	−2·10	0	1·01	−1·01	19·38	27·30	−7·92	0	Monywa.
5	2					2		N 28° E		2·3‖			30		90	− 1	·488	+·005	3·2	−3·7	0			0·02	2·18	−2·16	52·63	57·16	−4·53	0·02	Lashio.
4								N 45° E	N 23° E	1·2	1·7	−0·5	13	−26	93	+ 3	·541	−·027	1·9	−2·3	0	2·00	−2·00	0	1·01	−1·01	63·78	69·53	−5·77	0	Bhamo.
								‡		5·8‖					84		·555		4·8		0			0			64·89			0	Myitkyina.
																															II.—Eastern Benga and Assam.
								‡		0·1					88		·516		3·0		0	1·50	−1·50	0·01	0·81	−0·80	77·94	95·00	−17·06	0·01	Dibrugarh.
1					2	1	2	N 77° W	N 60° E	1·3	1·5	−0·2	10	−17	95	− 3	·568	−·008	5·1	−0·1	0	2·00	−2·00	0·09	0·93	−0·84	72·65	77·74	−5·09	0·09	Sibsagar.
14								N 69° E		3·2			79		88		·536		1·1		1	1·20	−0·20	0·12	0·41	−0·29	55·46	61·11	−5·65	0·10	Tezpur.
3	3	1	2	2	1			N 75° E		1·6			13		94		·588		5·1		0	0·80	−0·80	0	0·31	−0·31	53·12	53·09	+0·03	0	Gauhati.
4	22		2					N 83° E	N 65° E	6·2	5·1	+1·2	82	+ 5	89	+ 1	·619	+·027	0·9	−1·0	0	0·30	−0·30	0	0·22	−0·22	82·21	85·69	−3·48	0	Dhubri.
								‡	N 76° E	0·9	1·7	−0·8			83	− 4	·575	−·054	1·4	−3·2	0	2·00	−2·00	0	1·25	−1·25	98·98	99·15	−0·17	0	Silchar.
17	2						3	N 29° E	N 43° E	2·8	2·7	+0·1	82	+ 9	87	− 2	·620	−·061	1·3	−2·2	0	1·80	−1·80	0	1·48	−1·48	55·78	87·80	−32·02	0	Chittagong.
11	2						1	N 21° E		1·3			60		86		·608		0·5		0	1·39	−1·39	0	1·61	−1·61	97·61	104·45	−6·84	0	Noakhali.
6	6	2					3	N 18° E	N 18° E	1·0	1·7	−0·7	43	+18	81	− 2	·672	−·006	0·4	−1·5	0	1·22	−1·22	0	1·26	−1·26	59·35	70·21	−10·86	0	Barisal.
				1				S		0·8			3		82		·614		0·1		0	1·55	−1·55	0	1·19	−1·19	56·69	79·50	−22·81	0	Comilla.
7	1	2			1		2	N 45° E	N 12° E	0·9†	2·1	−1·2	27	−16	33	− 2	·613	−·046	0·9	−1·5	0	1·33	−1·33	0	1·07	−1·07	49·47	60·52	−11·05	0	Narayangan.
7			1				1	N		0·9			23		86‖		·6306		0·4		0	1·23	−1·23	0	1·03	−1·03	61·33	60·21	+1·12	0	Faridpur.
								‡		0·5					90		·618		0·8		0	0·84	−0·84	0	0·55	−0·55	47·58	55·68	−8·10	0	Sirajganj.
1	3	5	2					N 79° E	N 58° E	0·6	1·1	−0·5	30	− 3	84	− 5	·635	−·004	1·3	−1·3	0	0·90	−0·90	0	0·65	−0·65	56·45	78·57	−22·12	0	Mymensingh.
1	1							N 24° E	N 27° E	1·0	1·4	−0·4	7	−31	81	− 4	·579	−·029	0·3	−0·8	0	0·58	−0·58	0	0·78	−0·78	43·50	62·30	−18·80	0	Bogra.
								‡		1·1					79		·571		0·3		0	0·68	−0·68	0	0·31	−0·31	31·13	53·41	−22·28	0	Rampur Boalia.
1	8		2				4	N 27° E		2·0‖			30		83		·590		0·2		0	0·39	−0·39	0	0·22	−0·22	45·48	50·34	−4·86	0	Malda.
5	6	3		1		2	2	N 30° E	N 21° E	1·5	2·2	−0·7	43	−12	87	+ 3	·577	+·001	0·4	−0·8	0	0·19	−0·19	0	0·04	−0·04	59·01	67·07	−8·06	0	Dinajpur.
1	8					1	2	N 36° E		0·7			20		84		·585		0		0	0·13	−0·13	0	0·24	−0·24	69·68	78·69	−9·01	0	Rangpur.

‡ Indeterminate.

‖ Uncorrected readings.

Tab

(2) *Abstract of observations taken at 8 hrs., at 235 statio*

Number of sub-division.	Station.	Elevation of bar-cistern above sea-level in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	2
	II.—Eastern Bengal and Assam—*concld.*																						
	Jalpaiguri . .	284	29·747	—·003	29·939	29·838	7th	29·637	16th	·201	66·3	82·6	+1·3	62·4	+1·7	72·5	+1·5	20·2	85·9	1st & 14th	58·1	14th	2
	Cooch Behar . .	156	29·888		30·007	29·977	7th	29·784	16th	·193	67·0	81·9		61·5		71·8		20·4	85·8	1st	57·6	5 days.	2
	III.—Bengal.																						
6	Saugor Island . .	25	29·984	—·011	29·954	30·068	7th	29·871	16th	·197	72·5	85·3	+3·6	67·2	+0·1	76·3	+1·9	18·1	88·0	6th	61·0	23rd	2
	Midnapore . .	149	29·864		29·965	29·945	7th	29·752	16th	·193	70·1	88·8		61·9		75·4		26·9	92·3	4th	56·7	23rd	3
	Calcutta . .	21	30·001	—·003	29·968	30·089	7th	29·881	16th	·205	70·1	85·6	+4·2	63·3	—1·3	74·5	+1·5	22·3	88·6	5th	57·2	22nd	3
	Jessore . . .	33	29·988	+·003	29·969	30·074	7th	29·869	16th	·205	68·7	85·3	+2·2	61·1	—2·9	73·2	—0·4	24·2	89·0	4th	54·7	23rd	3
	Krishnagar . .	47	29·984		29·981	30·082	7th	29·864	16th	·218	68·2	86·4		59·7		73·1		26·7	90·1	4th	52·5	22nd	3
	Burdwan . .	99	29·926	—·004	29·977	30·016	7th	29·820	16th	·196	69·0	87·5	+4·3	63·0	—1·3	75·3	+1·5	24·5	91·4	4th	58·8	22nd & 23rd.	3
	Bankura . .	313	29·699		29·974	29·786	7th	29·587	16th	·199	69·3	87·1		62·0		74·6		25·1	92·1	4th	56·2	23rd	3
	Raniganj . .	334	29·700		30·004	29·798	7th	29·586	16th	·212	65·1	85·9		59·5		72·7		26·4	90·0	4th	54·0	23rd	3
	Berhampore . .	67	29·960	—·003	29·980	30·059	7th	29·844	16th	·215	67·6	85·2	+3·2	62·3	—1·7	73·8	+0·8	22·9	88·8	4th	56·7	23rd	3
	Naya Dumka . .	489	29·539		30·007	29·629	7th	29·429	16th	·200	68·3	84·1*		58·3*		71·0†		25·8	87·9	3rd & 6th	51·5	23rd	3
7	Balasore . .	50	29·978	—·006	29·974	30·070	7th	29·860	16th	·210	68·4	86·6	+3·0	62·6	—0·4	74·6	+1·3	24·0	89·4	5th	55·3	24th	3
	False Point . .	21	29·999	—·001	29·963	30·078	7th	29·887	16th	·191	73·2	85·9	+3·5	64·8	—0·7	75·4	+1·4	21·1	89·1	1st	54·1	24th	3
	Cuttack . .	80	29·940	—·002	29·965	30·026	7th	29·833	16th	·193	71·8	87·6	+2·5	67·1	+1·0	77·3	+1·8	20·5	89·4	5 days	59·2	24th & 25th.	3
	Puri . . .	24	29·995		29·958	30·070	7th	29·877	16th	·193	74·4	86·9		70·7		78·8		16·2	89·6	1st	62·6	25th	2
	Angul . . .	455	29·560		29·991	29·643	7th	29·446	16th	·197	69·3	87·2		61·4		74·3		25·8	90·6	6th	54·6	25th	3
	Sambalpur . .	486	29·542	—·006	29·995	29·633	7th	29·422	16th	·211	68·5	86·6	+2·8	60·5	—1·8	73·6	+0·5	26·1	89·6	5th & 6th	53·6	23rd & 26th.	3
8	Chaibassa . .	*760*	29·284	+·010	30·005	29·377	7th	29·172	16th	·205	62·7	85·5‖	+2·9‖	58·8	—1·6	71·4‖	+0·7	26·7	87·9	18th & 19th	52·7	23rd & 24th.	3
	Ranchi . . .	2,128	27·874	+·008	30·007	27·962	7th	27·762	16th	·200	67·0	81·0	+3·2	59·3	+0·7	69·6	+2·0	22·7	86·2	2nd	52·4	23rd & 25th.	3
	Purulia . . .	*816*	29·186		29·987	29·287	7th	29·072	16th†	·215	63·2	86·8		60·6		73·7		26·2	91·0	2nd, 3rd & 4th.	55·6	23rd	3
	Hazaribagh . .	1,993	27·990	0	29·992	28·086	7th	27·878	16th	·208	69·8	81·2	+3·9	58·3	+0·4	69·8	+2·2	22·9	85·7	1st & 2nd	52·3	4 days	3
	Daltonganj . .	*730*	29·287		30·017	29·376	7th	29·168	16th	·208	58·1	85·2		51·8		68·5		33·4	90·0	6 days	45·0	25th	4
9	Purnea . . .	123	29·907	—·004	29·992	30·002	7th	29·790	16th	·212	62·9	83·0	+1·1	57·4	—1·8	70·2	—0·4	25·6	86·7	2nd	50·7	22nd	3
	Bhagalpur . .	160	29·881		29·999	29·976	7th	29·761	16th	·215	70·6	84·9		58·4		71·7		26·5	89·2	2nd & 4th	51·8	22nd	3
	Monghyr . .	155	29·877		29·990	29·974	7th	29·756	16th	·218	69·0	84·0		61·1		72·5		22·9	88·9	2nd	55·9	22nd	3
	Darbhanga . .	165	29·865	—·008	29·994	29·965	7th	29·745	16th	·220	65·0	81·8	+3·5	58·9	—3·1	71·9	+0·2	25·9	87·6	4 days	52·3	22nd	3
	Pusa . . .	166	29·863		29·993	29·967	7th	29·734	16th	·233	64·1	84·8		58·3		71·5		26·5	87·7	1st	52·0	22nd	3
	Muzaffarpur . .	178	29·860*		30·001*	29·964	7th	29·737	16th	·227	68·7	84·5		57·8		71·2		26·7	87·7	1st, 3rd & 4th.	51·0	23rd	3
	Motihari . .	224	29·804*		30·000*	29·898	7th	29·671	16th	·227	61·5	85·0		55·6		70·3		29·4	87·9	11th	48·3	30th	3
	Chapra . . .	181	29·840		29·984	29·936	7th	29·709	16th	·227	66·0	86·3		57·7		72·1		28·6	90·7	1st	52·6	26th, 27th & 30th.	3
	Patna . . .	183	29·846	—·019	29·990	29·939	7th	29·726	16th	·213	69·3	81·7	+3·0	60·6	+0·1	72·7	+1·6	24·1	89·5	1st & 4th	52·7	22nd	3
	Arrah . . .	190	29·839		29·991	29·935	7th	29·712	16th	·223	64·3	86·5		56·0		71·3		30·5	91·4	4th	50·7	22nd	4
	Buxar . . .	239	29·771		29·980	29·865	7th	29·648	16th	·217	66·1	89·1		59·0		74·1		30·1	95·0	1st	52·1	22nd	4
	Dehri . . .	351	29·607		29·990	29·766	7th	29·539	16th	·227	64·8	87·2		60·0		73·7		27·2	92·3	1st, 4th & 5th.	55·0	23rd & 24th.	3
	Gaya . . .	375	29·650	—·015	29·997	29·739	7th	29·526	16th	·213	65·5	86·3	+3·1	58·7	—1·0	72·5	+1·1	27·6	91·9	2nd	52·7	25th	3
	IV.—United Provinces of Agra and Oudh.																						
10	Gorakhpur . .	257	29·753	—·017	29·982	29·855	7th	29·627	16th	·228	65·4	85·9	+4·3	54·9	—3·4	70·4	+0·5	31·0	90·1	4th	50·0	29th & 30th.	4
	Benares . . .	267	29·751	—·019	29·986	29·837	7th	29·625	16th	·212	66·2	86·5	+4·4	52·7	—3·4	69·6	+0·5	33·8	92·6	4th	46·1	22nd	4
	Allahabad . .	309	29·704	—·024	29·982	29·793	7th	29·577	16th	·216	64·8	88·1	+5·0	54·5	—0·6	71·3	+2·2	33·6	94·6	4th	48·5	23rd	4

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

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

* Mean of 29 days. ‖ Mean of 19 days.

† ,, 28 ,,

continued.

India, etc., in November, 1907—continued.

Wind Direction. Number of winds from N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind Velocity. Mean velocity in miles per hour.	Normal.	Departure from normal.	Wind Steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 30th November 1907.	Normal rainfall for period 1st May to 30th November.	Departure from normal of period, 1st May to 30th November 1907.	Heaviest rainfall during month.	Station.
27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																													II.—Eastern Bengal and Assam—*contd.*	
1						3	N 14° W	N 20° E	1·1			20	−35	84	0	·549	−·013	1·4	+0·2	0	0·32	−0·32	0	0·13	− 0·13	114·16	117·13	− 2·97	0	Jalpaiguri.
4	9	1					N 81° E		1·1			43		82		·543		1·1		0	0·37	− 0·37	0	0·14	− 0·14	176·34	120·16	+56·18	0	Cooch Behar.
																													III.—Bengal.	
14	1				5	1	N 15° E	N 10° E	7·0‡	7·0	0	69	− 4	85	− 2	·680	−·008	1·2	−1·9	0	1·35	− 1·35	0	1·71	− 1·71	57·50	68·39	−10·89	0	Sauger Island.
1					1	2	N 6° W		1·9			67		62		·460		0·3		0	1·14	− 1·14	0	0·80	− 0·80	49·92	55·97	− 6·05	0	Midnapore.
4	1	1		3	1	5	N 12° W	N	2·5‡	2·5	0	33	−12	82	0	·613	+·002	0·7	−1·1	0	0·96	− 0·96	0	0·69	− 0·68	47·75	55·39	− 7·64	0	Calcutta.
							N	N 6° W	0·1	1·6	−1·5	3	−23	84	− 2	·588	−·059	1·1	−0·9	0	1·10	− 1·10	0	1·38	− 1·38	52·42	57·11	− 4·69	0	Jessore.
1				1	4	11	N 37° W		P			69		81*		·567*		0		0	0·81	− 0·81	0	0·74	− 0·74	36·53	49·95	−13·42	0	Krishnagar.††
1						1	N	N 5° W	0·8	1·6	−0·8	18	−22	72	− 3	·512	−·047	0·8	−1·2	0	0·81	− 0·81	0	0·79	− 0·79	38·53	52·66	−11·12	0	Burdwan.
						1	N 45° W		1·1			3		58		·412		0·6		0	0·79	− 0·79	0	0·51	− 0·51	47·98	52·10	− 4·12	0	Bankura.
							§							71		·449		0·7		0	0·63	− 0·63	0	0·54	− 0·54	41·87	52·22	−10·35	0	Raniganj.
4			3		1	2	N 45° W	N 13° W	0·7	1·5	−0·8	10	−20	81	− 4	·554	−·051	1·1	−0·8	0	0·52	− 0·52	0	0·59	− 0·59	32·78	51·43	−18·65	0	Berhampore.
							§		0·8					67		·474		0·2		0	0·50	− 0·50	0	0·31	− 0·31	40·48	55·37	−14·89	0	Naya Dumka.
2						17	N 27° W	N 21° W	1·6	2·1	−0·5	89	+22	74	−10	·518	−·082	1·2	−1·6	0	1·48	− 1·48	0	1·22	− 1·22	38·75	59·35	−20·60	0	Balasore.
1					3	13	N 31° W	N 19° W	4·7	6·0	−1·3	76	− 4	83	− 1	·683	+·015	1·8	−1·5	0	2·45	− 2·45	0	2·92	− 2·92	47·89	61·71	−13·82	0	False Point.
3	4	3			2	2	N 18° E	N 45° W	1·1‡	1·6	−0·5	23	+ 6	78	+ 2	·612	+·031	2·8	+0·4	0	1·71	− 1·71	0·02	1·67	− 1·65	61·54	56·60	+ 4·94	0·02	Cuttack.
8	2						N 2° E		8·8			97		77		·669		2·1		0	2·45	− 2·45	0·03	2·77	− 2·74	29·93	54·79	−24·86	0·03	Puri.
2	1				1	6	20	N 51° W				83		71		·517		1·8		0			0			40·41			0	Angul.
4	13	8	5				N 65° E	N 21° E	3·6	2·7	+0·9	76	+ 1	68	− 8	·481	−·067	1·6	−0·2	0	1·00	− 1·00	0	0·59	− 0·59	62·17	64·69	− 2·52	0	Sambalpur.
1	1		1	2	9	4	S 51° W	S 77° W	1·9	0·9	+1·0	37	+ 4	74	− 4	·425	−·096	0·8	−1·1	0	0·81	− 0·81	0	0·77	− 0·77	41·94	47·38	− 5·44	0	Chaibassa.
2	1	1			1	7	7	N 57° W	N 63° W	3·8	3·7	+0·1	43	+25	49	−17	·328	−·097	1·0	−0·5	0	0·72	− 0·72	0	0·39	− 0·39	52·97	51·84	+ 1·13	0	Ranchi.
1						17	11	N 70° W		3·0		87		70		·412		1·2		0	0·74	− 0·74	0	0·24	− 0·24	49·90	49·67	+ 0·83	0	Purulia.
	1	3	1	3	8	2	3	S 39° W	N 74° W	3·7	4·6	−0·9	30	+ 6	42	−24	·303	−·115	0·7	−1·4	0	0·65	− 0·65	0	0·30	− 0·30	55·04	50·77	+ 4·27	0	Hazaribagh.
		2						E		1·5		7		80		·391		0·8		0	0·68	− 0·68	0·01	0·35	− 0·34	60·54	42·05	+18·49	0·01	Daltonganj.
1	6				1		1	N 28° E	N 50° E	0·2	1·5	−1·3	20	+ 9	94	+ 5	·538	−·017	0·4	−0·6	0	0·16	− 0·16	0	0·08	− 0·08	48·65	62·09	−13·44	0	Purnea.
1	1		1	2	3			S 18° W		0·9		10		66		·503		0·2		0	0·23	− 0·23	0	0·17	− 0·17	45·97	46·74	− 0·77	0	Bhagalpur.
4	3	1			1	5	2	N 30° W		1·9		30		76		·548		0·3		0			0			47·08			0	Monghyr.
4	4	1						N 29° E	N 48° W	0·8	1·6	−0·8	30	+20	88	+ 6	·554	+·002	0·4	−0·3	0	0·19	− 0·19	0	0·09	− 0·09	35·16	48·71	−13·55	0	Darbhanga.
	2	1			1			N 45° E				3		62		·496		0·6		0			0			35·83			0	Pusa.
	2	1						S 72° E		1·0‡		10		73		·514		0		0	0·37	− 0·37	0	0·12	− 0·12	29·92	43·40	−13·48	0	Muzaffarpur.
2	4	3			4	1		N 9° E		1·0		20		92		·512		3·9		0	0·18	− 0·18	0	0·12	− 0·12	35·15	49·39	−14·24	0	Motihari.
	1	7	10	2				S 17° E		1·1		57		62		·402		6·2		0	0·39	− 0·39	0	0·25	− 0·25	34·49	38·87	− 4·38	0	Chapra.
1	3	1	1	8	7	5	1	S 35° W	S 60° W	1·8	1·8	0	40	+13	61	−10	·445	−·062	0·3	−1·0	0	0·32	− 0·32	0	0·22	− 0·22	32·75	46·12	−13·37	0	Patna.
	1	4	1	7	2	1		S 30° W		1·0		30		67		·410		0·3		0	0·42	− 0·42	0	0·21	− 0·21	30·88	43·48	−12·60	0	Arrah.
		1	2	6	12	2	1	S 31° W		3·2		60		56		·361		0·5		0	0·39	− 0·39	0	0·40	− 0·40	21·56	39·62	−18·06	0	Buxar.
				8	21			S 23° W		1·5		90		66		·490		0·5		0	0·41	− 0·41	0	0·28	− 0·28	38·41	41·14	− 2·73	0	Dheri.
			2	7	2			S	S 7° E	2·7	2·3	+0·4	33	0	69	− 2	·442	−·033	0·6	−1·0	0	0·48	− 0·48	0	0·47	− 0·47	54·09	44·91	+ 9·18	0	Gaya.
																													IV.—United Provinces of Agra and Oudh.	
0								§	N 67° W	0·4‡	1·0	−0·6			65	−11	·416	−·083	0·1	−0·8	0	0·10	− 0·10	0	0·15	− 0·15	21·93	49·84	−27·91	0	Goraknpur.
5				1	3		1	S 49° W	S 53° W	1·0	1·9	−0·9	10	−12	59	−21	·380	−·099	0·6	−0·8	0	0·30	− 0·30	0	0·31	− 0·31	29·32	39·27	− 9·95	0	Benares.
6		1			2	10	1	S 86° W	N 82° W	1·1	2·3	−1·2	37	+12	56	−16	·348	−·109	0·9	−0·4	0	0·30	− 0·30	0	0·25	− 0·25	22·81	38·87	−16·06	0	Allahabad.‖

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

‡ Uncorrected.

§ Indeterminate.

†† Wind observations of 29 days.

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(2) *Abstract of observations taken at 8 hrs., at 235 stat*

Number of sub-division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.											
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	IV.—United Provinces of Agra and Oudh—*concld.*																					
	Cawnpore	416	29·604	—·008	30·001	29·686	7th	29·468	15th	·218	63·0	87·4	+3·3	52·1	—2·9	69·7	+0·2	35·3	93·9	3rd & 4th.	46·2	24th
	Lucknow	368	29·659	—·003	30·006	29·745	7th	29·521	16th	·224	63·0	87·8	+4·5	52·1	—0·7	69·9	+1·9	35·7	94·0	2nd & 3rd.	46·1	29th
	Bahraich	401	29·605	—·020	29·986	29·698	7th	29·471	15th	·227	64·5	86·9	+4·1	55·3	—0·8	71·4	+1·7	31·1	91·6	1st	48·0	22nd
11	Jhansi	858	29·201	?	30·026	29·800	7th	29·055	16th	·245	71·3	89·5	+4·2	61·1	+2·5	75·3	+3·4	26·4	96·3	1st & 4th	55·6	23rd & 25th
	Agra	556	29·448	—·035	29·992	29·538	7th	29·307	16th	·231	63·9	86·2	+1·8	57·2	+1·3	71·7	+1·6	29·0	93·0	2nd & 3rd	52·0	25th & 30th.
	Mainpuri	516	29·498	—·008	30·001	29·594	7th	29·360	16th	·234	60·7	87·6	+3·4	54·6	+0·4	71·1	+1·9	33·0	95·3	3rd	48·8	28th
	Bareilly	568	29·430	—·014	29·993	29·541	7th	29·294	15th	·247	60·8	84·8	+3·7	52·4	+0·6	69·1	+2·2	31·4	90·3	2nd & 3rd	47·0	22nd & 23rd
	Meerut	738	29·257	—·014	30·003	29·374	7th	29·114	15th	·260	58·9	85·3	+4·0	50·8	+0·2	68·1	+2·1	34·5	92·6	2nd	44·8	22nd, 24th & 28th
	Roorkee	899	29·107	+·001	30·029	29·221	7th	28·961	15th	·260	56·3	81·9	+1·4	48·8	—1·0	65·3	+0·2	33·1	87·5	2nd	41·4	23rd
	Dehra Dun	2,233	27·754	—·011	30·027	27·875	7th	27·601	15th	·274	58·9	79·6	+4·6	53·0	+1·2	66.3	+2·9	26·6	84·0	1st	46·0	30th
	V.—Punjab.																					
12	Delhi	718	29·296	—·002	30·012	29·389	7th	29·148	16th	·241	63·5	86·1	+3·2	58·7	+2·5	72·4	+2·9	27·4	92·7	2nd	51·7	22nd
	Sirsa	662	29·350	—·007	30·015	29·452	7th	29·177	16th	·275	60·3	87·0	+2·1	51·1	+1·6	69·0	+1·9	35·9	94·3	2nd	43·6	24th
	Patiala	*818*	29·186		30·018	29·303	7th	29·025	16th	·278	58·9	84·2		50·7		67·5		33·5	90·3	1st & 2nd	44·8	21st & 26th.
	Ambala	892	29·100	—·013	30·012	29·215	7th	28·951	15th	·264	57·7	84·1	+1·8	48·6	—2·3	66·4	—0·3	35·5	90·0	2nd	41·0	28th
	Ludhiana	812	29·196	+·002	30·028	29·311	7th	29·033	16th	·278	59·0	83·1	+2·5	52·3	+1·4	67·7	+2·0	30·8	89·5	1st	46·0	25th
	Lahore	702	29·288	—·026	30·007	29·403	7th	29·129	16th	·274	55·8	86·9	+3·3	49·9	+3·1	68·4	+3·2	37·0	93·4	1st	44·7	22nd
	Sialkot	830	29·166	—·010	30·017	29·281	7th	29·003	15th	·278	56·4	84·7	+3·8	48·9	—1·0	66·8	+1·4	35·8	90·7	1st & 2nd.	42·1	23rd
	Rawalpindi	1,674	28·311	—·030	30·058	28·439	7th	28·146	15th	·293	53·8	81·5	+4·3	45·7	+3·4	64·1	+3·9	34·8	87·9	1st	41·1	22nd
13	Khushab	612	29·409	?	30·028	29·479	10th	29·231	15th	·248	60·8	87·0	+4·2	51·5	+1·8	69·2	+3·0	35·5	93·9	1st	44·4	20th & 22nd.
	Montgomery	558	29·460	?	30·014	29·567	7th	29·274	16th	·293	63·7	87·5	+3·3	51·4	+0·5	69·5	+1·9	36·1	93·3	5th, 6th & 7th.	45·1	24th
	Multan	420	29·589	—·036	29·998	29·695	7th	29·397	16th	·298	63·0	86·4	+2·0	55·3	+2·9	70·9	+2·5	31·1	93·3	4th, 6th & 9th.	49·0	20th & 23rd
	VI.—North-West Frontier Province.																					
15	Peshawar	1,110	28·893	—·049	30·057	29·007	7th	28·726	16th	·281	53·5	79·1	+2·0	48·6	+3·5	63·9	+2·8	30·5	86·2	1st & 2nd.	40·9	30th
	D. I. Khan	590	29·440	—·025	30·017	29·558	7th	29·237	15th	·321	57·4	85·3	+3·2	49·0	+2·0	67·2	+2·6	36·3	90·8	1st & 5th.	43·1	16th & 22nd.
	VII.—Sind.																					
17	Jacobabad	186	29·837	—·024	29·995	29·929	30th	29·623	16th	·306	63·3	89·8	+3·0	52·7	+1·9	71·3	+2·5	37·1	95·6	5th	44·3	30th
	Hyderabad	96	29·928	—·020	29·982	30·023	30th	29·730	16th	·293	69·1	92·4	+4·4	61·5	+1·5	76·9	+3·0	30·9	99·1	3rd	55·0	21st
	Kurrachee	30	30·003	—·021	29·985	30·095	30th	29·833	16th	·262	69·6	90·5	+3·1	63·1	+1·3	76·8	+2·2	27·4	96·9	7th	57·2	24th & 25th.
	VIII.—Rajputana.																					
18	Bikaner	*771*	29·230	—·016	30·003	29·332	7th	29.054	16th	·278	64·7	87·0	+2·3	59·0	—0·4	73·0	+1·0	28·0	93·1	1st & 2nd.	51·0	30th
	Jodhpur	782	29·241		30·033	29·324	7th	29·097	16th	·227	68·5	90·4		60·1		75·3		30·3	95·1	5th	53·8	27th
	Pachpadra	*380*	29·607	—·033	29·966	29·671	11th	29·466	16th	·205	60·5	90·8	0	53·0	—1·1	71·8	—0·6	37·8	95·5	4th	47·0	27th
19	Jaipur	1,431	28·592	—·009	30·033	28·686	7th	28·452	16th	·234	67·7	88·4	+2·6	56·2	+1·0	72·3	+1·8	32·2	94·2	2nd & 3rd.	50·1	22nd
	Sambhar	1,254	28·758	—·010	30·042	28·851	7th	28·614	16th	·237	59·0	87·1	+2·6	52·9	0	70·0	+1·3	34·2	93·4	2nd & 3rd.	46·5	27th
	Ajmer	1,611	28·422	—·007	30·073	28·519	7th	28·289	16th	·230	59·4	86·8	+2·9	56·6	?	71·7	?	30·2	92·9	3rd	50·7	22nd
	Kotah	819?	29·188		30·040	29·278	7th	29·045	16th	·233	66·7	89·4		59·8		74·6		29·6	96·0	3rd	54·1	28th
	Udaipur	1,925	28·101		30·043	28·187	7th	27·972	16th	·215	65·4	87·2		54·1		70·6		33·1	93·0	3rd	47·8	28th
	IX.—Bombay.																					
20	Deesa	466	29·537	—·025	29·973	29·586	10th	29·430	16th	·156	70·1	95·0	+3·5	58·8	+1·1	76·9	+2·3	36·2	99·3	3rd & 4th.	52·4	28th
	Bhuj	395	29·613	—·015	29·971	29·676	30th	29·500	16th	·176	74·2	92·4	+3·2	64·6	+1·9	78·5	+2·6	27·8	96·6	5th	58·5	30th

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

B—*continued.*

in India, etc., in November 1907—continued.

Wind Direction. Number of winds from Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind Velocity. Mean velocity in miles per hour.	Normal.	Departure from normal.	Wind Steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 30th November 1907.	Normal rainfall for period 1st May to 30th November.	Departure from normal of period 1st May to 30th November 1907.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																IV.—United Provinces of Agra and Oudh—*concld*
23						1	6		S 84° W	N 68° W	0·8	1·9	−1·1	23	+ 4	53	−13	·360	−·051	0	−0·9	0	0·10	−0·10	0	0·44	− 0·44	21·34	34·32	−12·98	0	Cawnpore.
28						2			S 45° W	N 72° W	0·7	1·4	−0·7	3	−10	55	−21	·321	−·123	0·1	−0·9	0	0·20	−0·20	0	0·11	− 0·11	13·37	36·74	−23·37	0	Lucknow.
24		1	3	2					S 82° E	N 2° W	1·0	1·8	−0·8	17	+ 4	61	−16	·375	−·107	0	−0·6	0	0·30	−0·30	0	0·40	− 0·40	15·26	45 67	−30·41	0	Bahraich.
22			1			4	2	1	S 63° W	S 81° W	1·7	1·8	−0·1	17	− 6	36	−14	·275	−·071	0·8	−0·1	0	0·10	−0·10	0	0·13	− 0·13	2 0·62	36·86	−16·24	0	Jhansi.
16		3		1		?		3	S 71° W	N 56° W	2·2	2·7	−0·5	13	−24	47	−12	·280	−·064	0	−1·0	0	0·10	−0·10	0	0·11	− 0·11	19·70	26 92	− 7·22	0	Agra.
26			1				1	2	N 45° W	N 60° W	0·4	0·8	−0·4	3	−16	59	−10	·311	−·063	0·3	−1·1	0	0·10	−0·10	0	0·31	− 0·31	12·43	29·21	−16·78	0	Mainpuri.
29		1							N 45° E	N 7° E	0·5	1·2	−0·7	3	− 6	66	−11	·358	−·051	0·1	−0·7	0	0·27	−0·27	0	0·18	− 0·18	21·97	44·81	−22·84	0	Bareilly.
25						1	4		S 81° W	S 88° W	1·0	1·1	−0·1	17	0	58	−12	·291	−·035	0·2	−0·7	0	0·20	−0·20	0	0·13	− 0·13	5·50	28·52	−23·02	0	Meerut.
30									*a*	S 81° E	1·0	1·1	−0·1			69	− 8	·316	−·042	0·4	−0·7	0	0·50	−0·50	0	0·28	− 0·28	17·45	38·53	−21·08	0	Roorkee.
30									*a*	S 53° W	1·1‖	1·3	−0·2			66	− 5	·332	−·006	0·7	−1·2	0	0·60	−0·60	0	0·40	− 0·40	33·84	82·27	−48·43	0	Dehra Dun.
																																V.—Punjab.
11				1		2	16		S 83° W	N 89° W	2·2	2·1	+0·1	56	+18	51	− 1	·300	+·013	0·2	−1·2	0	0·30	−0·30	0	0·11	−0·11	7·69	24·91	−17·22	0	Delhi.
25		1	1			1	1	1	N 45° W	S 18° W	1·2	2·7	−1·5	3	− 8	55	− 4	·291	+·003	0·6	−1·2	0	0·10	−0·10	0	0·01	−0·01	13·25	12·37	+ 0·88	0	Sirsa.
7	5	1	7	2			1	7	N 18° E		2·8			30		59		·296		0·7		0			0			18·51			0	Patiala.
27				1				2	N 45° W	N 34° W	1·5	1·4	+0·1	3	− 5	63	−12	·301	−·054	0·7	−0·4	0	0·30	−0·30	0	0·46	− 0·46	16·72	27·43	−10·71	0	Ambala.
15		1		5		2	1	6	W	S 27° W	1·1	1·0	+0·1	8	+ 1	56	− 8	·283	−·027	0·7	−1·4	0	0·20	−0·20	0	0·06	− 0·06	22 02	23·25	− 1·23	0	Ludhiana.
26			1		1		2		S 45° W	N 5° W	1·2	1·3	−0·1	3	+ 2	69	+ 2	·309	−·004	0·6	−0·9	0	0·20	−0·20	0·01	0·07	− 0·06	9·40	16·43	− 7·03	0·01	Lahore.
12		4	9	4	1				S 86° E	N 42° E	1·0	0·8	+0·2	49	+34	66	+ 1	·322	+·018	0·5	−1·0	0	0·30	−0·30	0·01	0·09	− 0·08	15·08	24·98	− 9·90	0·01	Sialkot.
26	2	1						1	N	N 50° W	2·1	1·2	+0·9	11	0	53	−12	·221	−·037	1·9	−0·3	1	0·80	+0·20	0·11	0·29	− 0·18	14 61	24·67	−10·06	0·10	Rawalpindi.
16	1	8	1		1	2	1		N 45° E	N 38° E	2·5	2·7	−0·2	20	− 2	35	−13	·192	−·034	1·1	−0·2	0	0·30	−0·30	0	0·02	− 0·02	6·08	10·32	− 4·24	0	Khushab.
11		3	2	4	5	3	1	1	S 24° E	S 72° E	3·1	2·9	+0·2	27	+ 5	35	−18	·208	−·078	0·7	−1·1	0	0·20	−0·20	0	0·06	− 0·06	12·24	7·84	+ 4·40	0	Montgomery.
16	1	3		7	1	2			S 53° E	N 72° E	1·2	1·2	0	27	+ 4	50	−12	·287	−·037	0·4	−0·8	0	0·10	−0·10	0	0·07	− 0·07	6·57	5·74	+ 0·83	0	Multan.
																																VI.—North-West Frontier Province
25	1			1	2			1	S	S 31° W	0·8	2·0	−1·2	3	−17	65	0	·271	+·010	2·7	0	0	0·90	−0·90	0	0·47	− 0·47	3·04	6·15	− 3·11	0	Peshawar.
23	1	5					1		N 30° E	N 9° E	0·5	0·8	−0·3	20	+16	59*	− 6	·281*	+·002	0·9	−0·6	0	0	0	0	0·18	− 0·18	5·45	5·50	− 0·05	0	D. I. Khan.
																																VII.—Sind.
18	2	1					1	8	N 36° W	N 18° E	1·3	1·6	−0·3	33	+21	64	+10	·385	+·088	0·7	−1·0	0	0·20	−0·20	0	0·11	− 0·11	3·29	2·78	+ 0·51	0	Jacobabad.
6	12	8			2	1		6	N 10° W	N 10° W	5·7	6·	−0·6	53	+12	44	− 6	·315	−·025	2·1	+0·4	0	0·20	−0·20	0	0·12	− 0·12	4·81	6·19	− 1·38	0	Hyderabad.
3	12	8	1				1	5	N 5° E	N 49° E	5·3	7·5	−2·2	63	+ 2	57	− 4	·427	−·021	2·0	+0·7	0	0·30	−0·30	0	0·07	− 0·07	5·63	6·72	− 1·09	0	Kurrachee.
																																VIII.—Rajputana.
2	2	1		10	10	3	2		S 12° E	N 76° W	3·6	3·3	+0·3	56	+37	55	+ 7	·337	+·040	1·1	−0·4	0	0·10	−0·10	0	0·05	− 0·05	18·64	10·17	+ 8·47	0	Bikaner.
4	4	11	6	1		1	1	2	N 44° E		2·8			53		29*		·204*		1·7		0	0·20	−0·20	0	0·16	− 0·16	10·27	12·59	− 2·32	0	Jodhpur.
12	3		7	7				1	N 57° E					43		78	+25	·412	+·103	0	−1·7	0	0·30	−0·30	0	0·08	− 0·08	18·26	12·57	+ 5·69	0	Pachpadra.
6	6	9	4	1		1	1	2	N 33° E	N 1° W	2·4‖	2·7	−0·3	49	+24	38	−16	·263	−·067	0·7	−0·9	0	0·20	−0·20	0	0·20	− 0·20	14·17	24·68	−10·51	0	Jaipur.
28	1	1							N 24° E	N 7° E	2·0‖	2·9	−0·9	7	−10	53	0	·269	−·016	0·5	−0·8	0	0·20	−0·20	0	0·18	− 0·18	16 05	19·45	− 3·40	0	Sambhar.
22				1				7	N 45° W	N 2° W	1·7	1·7	0	20	−10	62	− 3	·312	−·017	1·3	0	0	0·40	−0·40	0	0·20	− 0·20	11·70	20·58	− 8·88	0	Ajmer.
26	2	1			1				N 24° E		0·9			7		45		·293		0·6		0	0·30	−0·30	0	0·03	− 0·03	15·39	29·14	−13·75	0	Kotah.
28							1	1	N 66° W		2·3			7		53		·331		0·5		0	0·50	−0·50	0			16·33			0	Udaipur.
																																IX.—Bombay.
		11	15	2		1	1		N 76° E	N 81° E	7·5‖	7·3	+0·2	76	+13	39	− 2	·283	−·017	0·4	−0·8	0	0·18	−0·18	0	0·17	− 0·17	52·19	23·78	+28·41	0	Deesa.
6	1	1	2	3		2	3	12	N 51° W	N 34° W	5·2	5·5	−0·3	33	− 2	59	0	·498	+·046	1·9	+0·9	0	0·30	−0·30	0	0·12	− 0·12	14 55	14·11	+ 0·44	0	Bhuj.

* Mean of 29 days. (*a*) Indeterminate. ‖ Uncorrected.

Table

(2) *Abstract of observations taken at 8 hrs., at 235 stations*

Number of sub-division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	IX.—Bombay—*concld.*																						
	Jamnagar	61	29·939		29·945	29·989	3rd	29·853	16th	·136	73·8	88·7		63·8		76·2		24·9	93·4	1st	57·3	28th	36·1
	Dwarka	37	29·971		29·954	30·032	4th	29·884	16th	·148	77·0	88·2		69·3		78·7		18·9	95·8	9th	62·2	20th	33·6
	Rajkot	429	29·573	—·012	29·963	29·627	4th	29·490	16th	·137	74·7	93·5	+3·1	60·9	+1·6	77·2	+2·4	32·6	97·4	8th	54·0	29th & 30th.	43·4
	Veraval	*18*	29·955	—·038	29·915	30·007	4th	29·910	28th	·097	77·0	90·7	+2·4	68·4	+0·7	79·6	+1·6	22·3	99·2	4th & 5th	60·3	28th	38·9
	Bhavnagar Para	55	29·950	—·044	29·949	29·994	10th	29·875	16th	·119	72·2	94·4	+4·5	62·4	?	78·4	?	32·0	98·6	4th	53·5	27th	45·1
	Surat	39	29·942	—·034	29·926	29·981	7th	29·891	16th	·090	73·8	95·5	+4·9	66·1	+3·3	80·8	+4·1	29·4	99·6	4th	60·6	28th	39·0
	Ahmedabad	163	29·835	—·030	29·952	29·876	10th	29·747	16th	·129	73·7	94·9	+3·5	66·5	+0·8	80·8	+2·2	28·4	100·1	3rd	60·7	20th	39·4
26	Bombay	37	29·929	—·033	29·906	29·968	19th	29·884	16th	·084	75·0	89·4	+2·5	75·3	+2·0	82·4	+2·3	14·1	93·0	3rd & 8th.	73·0	5 days	20·0
	Ratnagiri	110	29·840	—·018	29·890	29·898	19th	29·797	16th	·101	80·1	92·8	+2·3	71·4	+1·4	82·1	+1·9	21·4	98·3	7th	63·9	26th	34·4
	Goa	199	29·741	?	29·880	29·804	19th	29·697	16th	·107	78·7	87·2	—0·2	73·9	+1·7	80·6	+0·8	13·3	93·0	7th	68·0	26th	25·0
	Mormugao	*60*	29·894	—·051	29·889	29·958	19th	29·843	16th	·115	77·3	87·0	0	74·9	+2·1	81·0	+1·1	12·1	91·5	7th	68·9	26th	22·6
	Karwar	44	29·901	—·025	29·879	29·958	20th	29·859	16th	·099	76·5	89·0	+1·6	72·5	+3·1	80·7	+2·4	16·5	92·3	7th & 8th.	66·5	26th	25·8
27	Malegaon	1,430	28·575	—·011	29·993	28·648	7th	28·491	16th	·157	71·3	92·3	+5·2	59·2	+2·1	75·8	+3·7	33·1	96·4	5th & 21st.	50·1	26th	46·3
	Ahmednagar	2,154	27·857	—·009	29·985	27·917	7th	27·769	16th	·148	72·9	89·1	+3·8	59·9	+3·7	74·5	+3·8	29·2	94·9	8th, & 20th.	49·0	25th	45·9
	Poona	1,846	28·113	—·020	29·973	28·189	10th	28·068	16th	·121	70·9	89·0	+2·7	59·6	+0·3	74·3	+1·5	29·4	93·0	5th	49·8	25th	43·2
	Sholapur	1,590	28·388	—·018	29·950	28·441	10th	28·307	16th	·134	74·3	90·9	+3·4	64·7‡	+2·4	77·9‡	+2·9	26·2	94·3	5th & 6th	54·9	26th	39·4
	Bijapur	*1,948*	28·031	—·025	29·948	28·081	19th	27·946	16th	·135	73·4	89·3	+3·7	64·2	+3·2	76·8	+3·5	25·1	94·2	6th	54·7	26th	39·5
	Belgaum	2,539	27·421	—·018	29·915	27·482	20th	27·360	16th	·122	71·8	84·7	+2·6	62·9	+1·8	73·8	+2·2	21·8	88·3	days	57·6	12th	30·7
	X.—Central India.																						
21	Neemuch	1,624	28·393	—·011	30·026	28·481	7th	28·271	16th	·210	67·9	87·1	+2·6	55·7	+0·8	71·4	+1·7	31·4	92·5	3rd	49·7	26th & 28th.	42·8
	Indore	1,823	28·192	?	30·096	28·261	7th	28·096	16th	·165	71·6	87·4	+4·2	56·4	+2·3	71·9	+3·3	31·0	91·6	4th	49·6	25th	42·0
22	Nowgong	757	29·274§	—·037§	30·031§	29·310	24th	29·248	16th	·062	60·4	84·3	+2·0	53·1	—0·1	68·7	+1·0	31·2	90·5	4th	47·0	25th	43·5
	Sutna	1,040	28·963	—·019	30·013	29·059	7th	28·847	16th	·212	63·2	85·2	+4·2	54·9	+1·0	70·1	+2·6	30·3	91·5	1st	48·7	25th	42·8
	XI.—Central Provinces.																						
23	Buldana	2,132				8 hrs.	observa	tions no	t ava	ilable.													
	Akola	930	29·075	—·015	29·983	29·142	7th	28·976	16th	·166	71·9	91·7	+4·7	60·3	+2·9	76·0	+3·8	31·4	95·2	5th	52·6	27th	42·6
	Amraoti	1,215	28·789	—·011	29·979	28·857	7th	28·682	16th	·175	71·6	90·0	+3·7	65·0	+3·4	77·5	+3·6	25·0	93·3	4th & 5th	58·8	25th	34·5
24	Khandwa	1,044	28·947	—·028	29·986	29·012	7th	28·858	16th	·154	67·0	91·8	+5·0	57·9	+1·7	74·8	+3·4	33·9	96·7	5th	49·6	26th	47·1
	Hoshangabad	1,006	29·014	—·015	30·025	29·086	7th	28·905	16th	·181	64·0	87·3	+3·0	56·5	—0·8	71·9	+1·1	30·8	93·1	4th	49·4	16th	43·7
	Saugor	1,807	28·260	—·009	30·005	28·296	7th	28·080	16th	·216	69·6	85·1	+3·1	60·9	+3·7	73·0	+3·4	24·2	93·1	4th	55·0	15th	38·1
	Jubbulpore	1,327	28·678	—·013	30·023	28·771	7th	28·563	16th	·208	61·2	85·3	+3·4	51·8	—1·3	68·6	+1·1	33·5	91·0	5th	44·3	25th	46·7
	Seoni	2,033	27·977	—·006	30·010	28·053	7th	27·868	16th	·185	67·7	85·7	+4·1	56·3	+0·9	71·0	+2·7	29·4	90·3	3rd	50·0	25th	40·3
	Nagpur	1,017	28·990	—·006	29·993	29·063	7th	28·884	16th	·179	69·1	89·1	+4·1	59·5	—0·8	74·3	+1·7	29·6	93·1	5th	50·6	25th	42·5
25	Pendra	2,123?	27·975		30·015	28·079	7th	27·861	16th	·209	66·2	81·8		55·4		68·6		26·4	85·8	4th, 5th & 6th.	50·2	25th & 27th.	35·6
	Raipur	870	29·040	—·004	29·998	29·118	7th	28·934	16th	·184	67·0	86·3	+3·1	56·9	—3·8	71·7	—0·4	29·4	89·7	5th	50·4	26th	39·3
	Chanda	*634*	29·362	—·020	29·963	29·126	7th	29·260	16th	·166	69·3	88·0	+2·8	58·3‡	—1·0	73·2	+0·9	29·7	90·5	7th & 21st.	50·5	24th	40·0
	XII.—Hyderabad.																						
26	Aurangabad	1,905	28·121		29·995	28·139	7th	28·045	16th	·094	75·7	89·7		61·5		75·6		28·2	93·2	4th	52·2	25th	41·0
	Nizamabad	1,260	28·732		29·978	28·792	10th	28·664	16th	·128	73·1	86·5		61·9		75·3		26·6	100·9	29th	53·2	27th	47·7

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

‡ Mean of 29 days.

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

§ Mean of 5 days.

—continued.

n India, etc., in November, 1907—continued.

Wind Direction. Number of winds from: Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind Velocity. Mean velocity in miles per hour.	Normal.	Departure from normal.	Wind Steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 30th November 1907.	Normal rainfall for period 1st May to 30th November.	Departure from normal of period, 1st May to 30th November 1907.	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
																																IX.—Bombay —*concld.*
3		4	7	8	2	5	1		S 53° E		9·9			46		52		·441		0		0			0			21·38			0	Jamnagar.
2	10	7	3				1	7	N 6° E		10·0			66		71		·659		2·2		0			0			16·54			0	Dwarka.
9	4	8	5	2	1	1			N 60° E	N 48° E	3·3	5·1	−1·8	43	− 4	42	−13	·351	−·086	0·2	−0·8	0	0·50	−0·50	0	0·33	−0·33	18·25	27·95	− 9·70	0	Rajkot.
1	6	12			1				N 32° E	N 22° E	6·7	5·8	+0·9	49	−21	47	− 8	·426	−·052	1·3	−0·3	0	0·30	−0·30	0	0·59	−0·59	17·49	18·14	− 0·65	0	Veraval.
7	4	1				1	17		N 57° W	N 60° W	3·3	6·4	−3·1	95	+42	49	−17	·393	−·093	2·4	+1·2	0	0·40	−0·40	0	0·47	− 0·47	13·89	19·46	− 5·57	0	Bhavnagar Para.
	8	3	17		2				N 67° E	N 55° E	3·3	4·6	−1·3	69	+16	52	−12	·436	−·072	1·0	−0·3	0	0·40	−0·40	0	0·16	− 0·16	38·75	43·89	− 5·14	0	Surat.
	1	25	4						N 50° E	N 55° E	5·2 *	4·3	+0·9	96	+36	39	−11	·319	−·085	1·7	−0·1	0	0·30	−0·30	0	0·38	− 0·38	33·00	32·94	+ 0·06	0	Ahmedabad.
	2	7	15	5	1				N 84° E	N 73° E	8·0	9·6	−1·6	76	− 2	72	− 2	·696	+·017	3·6	+2·1	0	0·60	−0·60	0	0·49	− 0·49	100·45	74·94	+25·51	0	Bombay.
4		5	18	3					N 87° E	S 78° E	7·6	7·6	0	79	+16	58	− 1	·590	+·017?	3·5	+2·1	0	1·00	−1·00	0·02	0·42	− 0·40	80·56	107·03	−26·47	0·02	Ratnagiri.
2		12	14	1			1		N 70° E	N 69° E	*			76	−10	69	− 1	·686	+·018	3·9	+2·3	0			0·08	1·14	− 1·06	90 36	97·80	− 7·44	0·08	Goa.
3		3	15	8	1				S 78° E	S 84° E	6·4 *	7·3	−0·9	76	− 2	80	− 1	·743	+·014	4·4	+3·0	2			0·24	1·16	− 0·92	85·54	92·34	− 6·80	0·12	Mormugao.
3	12	5							N 13° E	N 65° E	1·6	2·8	−1·2	56	−14	84	+ 2	·774	?	4·3	+2·8	2	2·50	− 0·50	3·03	2 08	+ 0·95	98·26	123·05	−24·79	2·10	Karwar.
29						1			S 45° W	N 74° W	4·1	4·8	−0·7	3	−49	25	−21	·273	−·133	0·9	−0·8	0	1·00	- 1·00	0	0·50	− 0·50	21·81	23·54	− 1·73	0	Malegaon.
5	1	1	1	6	8	4		4	S 2° E	N 76° E	7·2 †*	6·6	+0·6	35	+20	38	−26	·315	−·155	1·9	+0·2	0	1·50	− 1·50	0	0·59	− 0·59	17·00	20 86	− 3·86	0	Ahmednagar.
26			3		1				S 72° E	S 76° E	4·1	6·3	−2·2	10	−17	51	−10	·398	−·030	2·9	+1·2	1	1·70	− 0·70	0·11	1·06	− 0·95	39·53	26·83	+12·70	0·11	Poona.
5	3	4	4	14					S 77° E	S 87° E	8·4	8·4	0	56	− 8	51	− 2	·451	+·022	3·8	+1·4	0	1·50	− 1·50	0·04	1·19	− 1·15	21·88	29·76	− 7·88	0·04	Sholapur.
	4	4	11	7	2			2	N 86° E	S 76° E	4·9 *	3·6	+1·3	56	+ 2	58	−12	·478	−·057?	3·1	+0·6	2	2·10	− 0·10	0·25	1·25	− 1·00	9·61	23·19	−13·58	0·15	Bijapur.
17		2	7	1					S 83° E	S 87° E	6·8	10·8	−4·0	37	−21	62	− 2	·476	+·016	4·5	+2·2	2	2·20	− 0·20	1·30	1·76	− 0·46	54·84	47·61	+ 7·23	0·77	Belgaum.
																																X.—Central India.
8	8	8	5				1		N 35° E	N 51° E	3·9	5·3	−1·4	56	+ 8	40	− 7	·276	−·042	1·5	+0·6	0	0·50	− 0·50	0	0·19	− 0·19	19·71	29 29	− 9·58	0	Neemuch.
16	1	2	10	1					N 82° E	N 45° E	1·7	1·9	−0·2	40	+22	47	−10	·369	−·011	0·9	−0·2	1	0·50	+ 0·50	0·34	0·35	− 0·01	24·54	32·96	− 5·42	0·32	Indore.
11	1	3	1		3	9	2		S 40° W	N 53° W	?			27	+14	65	− 5	·349	−·051	0·5	−0·9	0	0·70	− 0·70	0	0·27	− 0·27	28·76	42·95	−14·19	0	Nowgong
11						9		10	N 87° W	N 13° W	1·7	3·2	−1·	43	− 4	59	− 4	·350	−·027	2·3	+1·2	1	0·70	+ 0·30	0·18	0 34	− 0·16	29·08	43·34	−14·26	0·18	Sutna.
																																XI.—Central Provinces.
													8	hrs.	obser	va	ons	not ava	ilable.												Buldana.
11		4	8	6				1	S 87° E	N 89° E	3·6	3·5	+0·1	46	+ 6	46	−13	·367	−·040	1·7	+0·2	0	0·80	− 0·80	0·15	0·54	− 0·39	19·49	32·28	−12 79	0·08	Akola.
	1	13	11	1	1				N 71° E	N 67° E	5·2	3·9	+1·3	82	+31	40	−13	·348	−·064	2·3	+0·8	2	0·60	+ 1·40	0·38	0·59	+ 0·39	24·77	32·95	− 8·18	0·60	Amraoti.
19			5	6					S 65° E	N 74° E	2·5	2·8	−0·3	33	+ 8	48	− 9	·330	−·040	2·1	+1·0	1	0·60	+ 0·40	0·22	0·23	− 0·01	15·92	30·36	−14·44	0·15	Khandwa.
8	1	13	7	1					N 61° E	N 66° E	2·1	2·1	0	62	+ 2	50	−18	·303	−·103?	2·0	+0·7	1	0·50	+ 0·50	0·57	0·45	+ 0·12	37·64	50·69	−13·05	0·55	Hoshangabad.
11		3	6	8	1		1		S 70° E	S 73° E	3·3	2·7	+0·6	46	+13	35	−19	·246	−·108	1·4	+0·3	2	0·50	+ 1·50	0·35	0·53	+ 0·02	34·84	46·44	−11·60	0·22	Saugor.
15	1		1	7	4	2			S 26° E	S 37° E	1·1	1·6	−0·5	33	− 8	58	−15	·319	−·092	1·4	+0·2	1	0·60	+ 0·40	0·48	0·48	0	29·78	56·92	−27·14	0·48	Jubbulpore.
13	3	6	3	1	1	2		1	N 50° E	N 36° E	3·1	2·3	+0·8	27	−16	51	−12	·346	−·066	1·9	+0·6	2	0·90	+ 1·10	0·40	0·61	− 0·21	33·65	52·36	−18·71	0·27	Seoni.
4	15	10	1						N 20° E	N 21° E	2·4	3·7	−1·3	79	+49	52	−10	·375	−·064	2·0	+0·1	2	0·90	+1·10	0·72	0·81	− 0·09	43·51	47·21	− 3·70	0·60	Nagpur.
15	8	2						5	N 10° W		2·9			43		46		·302		1·7		1			0·30			31·25			0·30	Pendra.
23	1	4	1	1					N 55° E	N 40° E	2·5	3·2	−0·7	20	− 3	57	− 9	·386	−·079	0·4	−1·6	1	0·90	+ 0·10	0·14	0·46	− 0·32	45·79	48·67	− 2·88	0·14	Raipur.
15	4	1	2	1	1	1	1	1	N 31° E	N 39° E	1·4	1·7	−0·3	20	− 9	66	− 7	·484	−·038	2·3	+0·3	1	1·00	0	0·41	0·96	− 0·55	40·82	52·84	−12·02	0·40	Chanda.
																																XII.—Hyderabad.
6		3	13	8					S 81° E		7·1 *			69		35		·315		1·4		0	1·00	− 1·00	0	0·50	− 0·50	17·56	26·53	− 8·97	0	Aurangabad
25		2				1		2	N 18° W		3·5			7		62		·514		2·9		0	1·40	− 1·40	0	0·57	− 0·57	26·67	38·76	−12·09	0	Nizamabad.

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

* Uncorrected reading.

† Mean of 28 days.

Table

(2) *Abstract of observations taken at 8 hrs., at 235 stations*

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
	XII.—Hyderabad—*concld.*																						
	Bidar	*2,165*	27·826		29·958	27·8 91	3rd	27·720	16th	·171	73·1	85·1		66·5		75·8		18·6	89·4	21st	61·9	26th	27·5
29	Gulbarga	1,503	28·474	−·032	29·948	28·540	7th	28·412	17th	·128	74·5	91·0	+4·0	65·1	+2·5	78·1	+3·3	25·9	95·0	21st	58·3	11th	36·7
	Raichur	*1,311*	28·631	−·021	29·937	28·709	4th	28·571	16th	·138	76·1	89·0	+2·9	69·4	+2·1	79·2	+2·5	19·6	92·6	2nd & 15th.	62·1	26th & 27th.	30·5
	Hyderabad (Deccan)	1,690	28·288	−·029	29·957	28·351	19th	28·190	15th & 16th.	·161	71·9	87·9	+4·1	65·9	+3·8	76·9	+4·0	22·0	91·3	20th & 21st.	56·7	25th	34·6
	Hanumkonda	871			29·939	29·174	7th	28·989	15th	·185	74·3	87·2		66·9		77·1		20·3	92·0	20th	58·7	25th	33·3
	XIII.—Mysore.																						
30	Chitaldroog	2,405	27·566	−·029	29·926	27·626	19th	27·495	16th	·131	72·3	84·4	+2·3	65·0	+1·0	74·7	+1·7	19·4	89·1	1st & 21st.	59·4	25th	29·7
	Hassan	3,091	26·918	−·017	29·945	26·978	20th	26·855	27th	·123	69·4	81·3	+1·5	61·5	+1·8	71·4	+1·7	19·8	84·7	5th	54·3	15th	30·4
	Bangalore	3,021	26·977	−·014	29·944	27·047	20th	26·903	27th	·144	68·4	80·4	+1·1	62·8	+0·9	71·6	+1·0	17·6	86·3	4th	54·8	14th & 15th	31·5
	Mysore	2,518	27·461	−·022	29·937	27·525	20th	27·409	16th	·116	71·5	82·5	0	65·1	+1·0	73·8	+0·5	17·4	86·0	4 days	57·5	15th	26·5
	XIV.—Madras.																						
31	Mangalore	65	29·689	−·013	29·887	29·950	20th	29·834	6th	·116	80·1	87·2	−1·1	74·4	+1·6	80·8	+0·3	12·8	92·7	7th	67·9	15th	24·8
	Calicut	27	29·913	−·021	29·870	29·972	19th	29·851	6th	·121	78·4	86·6	−0·8	74·0*	+0·9	80·4*	+0·1	12·6	89·4	1st	69·1	16th	20·3
	Cochin	9	29·934	−·016	29·871	29·976	20th	29·867	5th	·109	79·0	88·3	+0·8	74·9	+0·5	81·6	+0·7	13·4	92·3	9th	72·7	16th & 28th.	19·6
	Trivandrum	198	29·742	−·013	29·872	29·799	19th	29·671	5th & 6th.	·128	77·0	81·9	−0·7	74·3	−0·1	78·1	−0·4	7·6	83·5	18th, 21st & 22nd.	71·0	28th	12·5
32	Tinnevelly	168	29·786	−·023	29·888	29·852	20th	29·732	16th	·120	78·9	87·9	−0·8	73·5	−1·1	80·7	−1·0	14·4	93·3	18th	70·9	16th & 26th.	22·4
	Pamban	37	29·898	−·030	29·863	29·972	19th	29·838	16th	·134	79·4	84·8	+0·5	76·1	0	80·5	+0·3	8·7	88·3	18th	73·7	24th & 26th.	14·6
	Madura	447	29·513	+·003	29·901	29·585	20th	29·447	16th	·138	78·0	87·5	+0·2	73·1	+0·6	80·3	+0·4	14·4	92·4	18th	70·1	16th	22·3
	Periyakulam	944	28·954?		29·848?	28·977	5th	28·929	1st	·048	75·8	86·2		70·4		77·4		15·8	90·3	18th	65·3	16th	25·0
	Pudukkottai	318	29·638		29·833	29·705	19th	29·567	16th	·138	76·4	85·9		71·5		78·7		14·4	91·6	17th	68·9	26th	22·7
	Negapatam	31	29·900	−·028	29·860	29·979	19th	29·823	16th	·156	78·4	85·7	+1·6	75·3	+1·2	80·5	+1·4	10·4	90·4	18th	72·5	11th, 14th & 15th.	17·9
	Trichinopoly	255	29·701	−·012	29·892	29·775	19th	29·625	16th	·150	77·1	86·1	−1·0	72·2	+0·2	79·2	−0·4	13·9	92·6	18th	68·8	12th	23·8
	Coimbatore	1,318	28·598	−·019	29·911	28·666	20th	28·531	16th	·135	73·8	85·3	−0·9	69·4	+0·5	77·4	−0·2	15·9	89·9	3rd	65·3	15th & 16th.	24·6
	Salem	940	29·029	−·019	29·924	29·101	20th	28·957	16th	·144	75·4	86·5	−0·8	70·3	+1·8	78·4	+0·5	16·2	92·7	18th	65·4	15th & 25th.	27·3
	Cuddalore	37	29·907	−·032	29·875	29·986	19th	29·819	16th	·167	76·7	84·7	−0·1	73·2	+1·6	79·0	+0·8	11·5	88·1	16th, 17th & 18th.	67·2	14th & 15th.	20·9
	Vellore	707	29·255		29·918	29·324	19th	29·166	16th	·158	72·9	83·6		69·1		76·3		14·5	89·7	12th	61·2	14th & 15th.	28·5
	Madras	22	29·931	−·026	29·884	30·018	19th	29·809	26th	·209	78·0	83·9	−1·2	73·1	+0·8	78·5	−0·2	10·8	87·5	6th	65·0	14th	22·5
33	Cuddapah	433	29·539	−·025	29·917	29·599	19th	29·435	16th	·164	76·5	88·0	−0·5	70·2	+0·9	79·1	+0·2	17·8	93·7	31d	63·1	14th	30·6
	Bellary	1,475	28·487	−·023	29·933	28·543	3rd	28·394	16th	·149	73·1	90·2	+3·5	68·1	+2·5	79·2	+3·0	22·1	96·0	3rd	61·8	27th	34·2
	Kurnool	923	29·037	−·013	29·921	29·103	19th	28·938	16th	·165	74·8	90·6	+2·5	68·4	+4·4	79·5	+3·5	22·2	95·2	2nd	59·6	12th & 25th.	35·6
34	Nellore	61	29·909	−·020	29·904	29·987	19th	29·766	14th	·221	76·5	82·9	?	70·7	−0·9	76·8	?	12·2	89·8	21st	63·1	27th	26·7
	Masulipatam	15	29·976	−·004	29·927	30·055	19th	29·812	14th	·243	78·3	87·6	+2·5	72·3	+1·0	80·0	+1·8	15·3	90·6	11th, 12th & 14th.	67·1	25th	23·5
	Cocanada	26	29·962	−·018	29·924	30·025	19th	29·808	14th	·217	78·3	85·0	+1·5	72·1	+1·6	78·6	+1·6	12·9	87·1	1st & 20th.	67·0	25th	20·1
	Waltair (Vizag.)	*226*	29·759	−·017	29·929	29·832	7th	29·647	14th	·185	79·1	84·9		74·0		79·5		10·9	87·9	1st	70·9	24th & 25th.	17·0
	Calingapatam	19	29·985		29·945	30·060	7th	29·874	15th	·186													
	Gopalpur	72	29·942	−·008	29·957	30·019	7th	29·830	16th	·189	73·3	85·3	+1·9	68·2	+1·4	76·8	+1·7	17·1	87·2	3rd, 4th & 6th.	60·5	25th	26·7

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

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

*Mean of 29 days.

-continued.

India, etc., in November, 1907.—continued.

Wind Direction.									Wind Velocity.			Wind Steadiness.		Hygrometry, 8 hrs.				Cloud.		Rainfall.									Station.
Number of winds from									Resultant direction.	Normal direction.	Mean velocity in miles per hour.	Normal.	Departure from normal.	Actual percentage.	Departure from normal.	Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Mean cloud amount at 8 hrs.	Departure from normal.	Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 30th November 1907.	Normal rainfall for period 1st May to 30th November.	Departure from normal of period 1st May to 30th November 1907.	Heaviest rainfall during month.	
N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.																							
26	27	28	29	30	31	32	33		34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																															XII—Hyderabad—*contd.*
3	7	8	6	3	2				S 86° E		1·8			53		58		·481		1·8		2	2·20	— 0·20	0·79	1·30	— 0·51	28·14	37·51	— 9·37	0·69	Bidar.
1	5	13	8	2	1				S 80° E	N 81° E	7·9	7·9	0	69	+20	61	— 4	·518	+·018	2·5	+0·1	1	1·50	— 0·50	0·15	0·47	— 0·32	31·25	29·83	+ 1·42	0·15	Gulbarga.
	7	5	9						S 85° E	N 86° E	8·2	7·2	+1·0	53	−11	65	− 3	·600	+·032	4·2	+1·7	2	1·80	+ 0·20	0·48	0·76	— 0·28	18·47	29·40	−10·93	0·30	Raichur.
	1								N 45° E	S 72° E	2·4	3·5	−1·1	3	−20	66	− 7	·524	−·015	4·3	+1·6	1			0·13	1·48	− 1·35	18·05	29·93	−11·88	0·13	Hyderabad (Deccan).
5		1	5	5			2		S 56° E		6·5			10		61		·528		3·7		1	1·90	— 0·90	0 12			33·66			0·12	Hanumakonda.
																															XIII—Mysore.
	1	16	7			2	3		S 83° E	S 84° E	5·2	6·2	−1·0	59	− 6	72	+ 1	·582	+·025	4·3	−0·1	5	2·80	+ 2·20	1·15	2·85	− 1·70	17·59	23·85	− 6·26	0·34	Chitaldroog.
	8	10	4				2		N 77° E	N 77° E	1·6	3·0	−1·4	57	−18	87	+12	·628	+·083	6·5	+1·2	6	4·00	+ 2·00	4·07	2·65	+ 1·42	31·24	31·37	− 0·13	1·94	Hassan.
2	12	12	1			2	1		N 61° E	N 71° E	7·2	5·0	+2·2	66	− 8	82	+ 4	·571	+·028	5·7	+1·5	4	4·20	— 0·20	1·09	3·33	— 2·24	24·56	32 61	— 8·05	0·43	Bangalore.
	8	11	5			3	2		N 77° E	N 67° E	7·8	8·6	−0·8	53	−14	78	+ 2	·612	+·030	6·8	+1·5	5	4 10	+ 0·90	3·90	2·28	+ 1·62	21·16	27·29	−6 13	1·82	Mysore.
																															XIV.—Madras.
	3	14	2	1					S 89° E	S 82° E	3·8§†	2·6	+1·3	63	−14	77	0	·789	+·054	4·7	+1·7	4	3·80	+ 0·20	1·77	2·65	− 0·88	117 07	121·69	−4·62	0·85	Mangalore.
	10	13	3		1				N 79° E	N 87° E	6·0	6·6	−0·6	69	− 5	86	+ 5	·835	+·050	5·4	+2·0	11	5·50	+ 5·50	6·77	4·72	+2·05	113·89	108·84	+34·05	1·83	Calicut.
	10	10	6			1			N 82 E	N 39° E	4·8§	4·1	+0·7	66	− 1	82	+ 1	·807	+·008	5·8	+2·0	8	7·70	+ 0·30	3·55	6·25	— 2·70	109·69	105 21	+ 4·48	1·15	Cochin.
5	2				1	7			N 21° W	N 5° W	3·5§	3·5	0	80	+14		+ 1	·892	+·001	6·5	+1·1	11	9·10	+ 1·90	14·27	6·12	+ 8·15	78·39	52·75	+25·64	4·15	Trivandrum.
7	4		1		1	4	6		N 23° W	N 24° W	2·4	3·9	−1·5	46	−25	51	+3	·797	+·036	6·5	+1·3	10	9·90	+ 0·10	9·32	7·79	+ 1·53	19·20	18·07	+ 1·13	2·62	Tinnevelly.
4	4	2	1	4	1	4	8		N 35° W	N 21° E	13·8	10·2	+3·6	30	−22	89		·882		5 6		14	12·00	+ 2·00	10·46	11·89	− 1·43	26·19	23·48	+ 2·71	2·00	Pamban.
5	8	4				4	5		N 8° E	N 3° E	5·9	6·6	−0·7	46	−24	83	+ 7	·785	+·054	6·9	+2·4	7	7·00	0	5·94	4·71	+ 1·23	22·44	27·96	− 5·52	1·81	Madura.
		3	3						S 68° E		1·6			17		76		·678		5·4		9	7·40	+ 1·60	5·81	4·81	+ 1·00	24·23	21 28	+ 2 95	1 67	Periyakulam
7	12		1			1	5		N 16° E		8·1			63		84		·762		7·3		11			7·08			18·81			2 60	Pudukkottai.
3	8	4			2	3	9		N 5° W	N 30° W	9·5	5 7	+3·8	46	−2	81	− 3	·797	−·021	6·4	−0·4	13	13·30	— 0·30	22 89	15·99	+ 6·90	40·19	39·74	+ 0·45	5·28	Negapatam.
8	6	1				6	3		N 12° W	N 13° E	5·2§	3·8	−0·6	46	+ 9	85	+ 6	·795	+·045	6·4	+1·8	10	8·00	+ 2·00	9·13	5·09	+ 4·04	28·27	26·25	+ 2·02	5·16	Trichinopoly
	10	7	4		3	1			N 73° E	N 81° E	6·3‡	2·4	+3·9	49	+ 1	82	?	·688	?	4·8	−0·8	6	6·60	− 0·60	3·34	3·38	− 0·04	16·41	16·96	− 0·55	1·20	Coimbatore.
4	4	8			3	6	2		N 12° E	N 50° E	3·9	3·1	+0·8	20	− 7	80	+ 2	·721	+·019	6·9	+2·2	8	5·70	+ 2·30	4·78	3·93	+ 0·85	25·07	36·13	−11·06	1·25	Salem.
8	3			2	5	9			N 35° E	N 25° W	6·8	2·2	+4·6	62	− 8	87	− 3	·802	−·034	6·3	+0·3	11	11·80	− 0·80	19·43	12·74	+ 6·69	41·73	41·75	− 0·02	3·57	Cuddalore.
	1	1	1			1			N 63° E		4·0			7		90		·727		4·6		12	7·50	+ 4·50	8·59	5·89	+ 2·70	33·53	34·07	− 0·54	2·87	Vellore.
8	7	3		1	4	2	5		N 2° W	N 1° E	7·1§	6 5	+0·6	42	−21	86	+ 3	·825	+·029	6·6	+1·1	12	13·00	— 1·00	16·25	14·08	+ 2·17	37·94	43·01	− 5·07	3·64	Madras.
1	3	4	7	1	5	3	1		S 74° E	N 89° E				23	−18	79	+ 3	·726	+·031	5·3	+1·4	5	4·80	+ 0·20	4·85	4·01	+ 0·84	16·06	30 74	−14 68	3·37	Cuddapah.
1	3	6	6	4		1	2		S 69° E	S 85° E	3·4	3·2	+0·2	37	+ 4	69	+ 2	·568	+·023	4·6	+0·6	2	2·60	— 0·60	1·01	1·98	− 0·97	10·99	18·63	− 7 64	0·70	Bellary.
		5			4		7		N 52° W	N 34° W	5·8§			10	+ 9	71	0	·612	+·030	3·8	+1·2	1	2·30	− 1·30	1·28	1·03	+ 0·25	14·25	26·84	−12·59	1·22	Kurnool.
6	3	6	4	1	1		6		N 38° E	N 44° W	6·0§	4·6	+1·4	33	−22	87	+ 4	·799	+·013	6·2	+1·4	10	8·60	+ 1·40	15·41	7·82	+ 7·59	29·46	27·96	+ 1·50	7 74	Nellore.
3	7	2	1						N 47° E	N 14° E	7·7	5·3	+2·4	33	−45	76	− 6	·735	−·008	4·8	+1·2	5	3·80	+ 1·20	1·80	6·30	− 4·50	20·01	39·25	−19·24	0·75	Masulipatam
2	26					2			N 38° E	N 12° E	11·1	10·0	+1·1	89	+ 6	74	+ 1	·728	?	6·0	+2·6	4	3·90	+ 0·10	2·16	6·10	− 3·94	35·09	37·74	− 2·65	0·54	Cocanada.
5	22						3		N 31° E	N 15° W	10·1			76	+33	62	− 6	·621	−·029	4·6	+1·2	4	3·70	+ 0·30	2·35	6·11	− 3·76	21·80	40·50	−18·70	1·60	Waltair (Vizag.).
9	6					7	8		N 23° W		7·2			70						2·8		1			0·14			20 48			0·14	Calingapatam.
16							14		N 21° W	N 25° W	8·7	8·3	+0·4	92	+ 5	76	− 4	·631	+·006	2·3	−0·9	0	2·80	−2·80	0 03	4·34	− 4·31	21·35	44·84	−23·49	0 03	Gopalpur.

† Mean of 28 days. § Uncorrected. ‡ Mean of 23 days.

Tabl

(2) *Abstract of observations taken at 8 hrs., at 235 station*

Number of sub-division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of Air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	Stations in the Bay.																						
1	P. V. Fraser	*8*	30·032		29·957	30·123	7th	29·932	16th	·191	80·0												
	Car Nicobar	25	29·902		29·855	29·975	7th	29·835	12th	·140	79·7	85·0		75·0		80·0		10·0	88·0	5th	72·6	12th	15·4
	Port Blair	61	29·880	−·003	29·872	29·949	7th	29·812	24th	·137	79·4	85·7	−1·1	76·2	−1·0	81·0	−1·1	9·5	91·2	5th	72·0	13th	19·2
	Slipper Island	90	29·837		29·861	29·911	19th	29·775	12th	·136	81·8	86·3		78·2		82·3		8·1	88·6	7th	73·1	12th	15·5
	Kashmir.																						
11	Srinagar	5,204	25·017	−·017	24·958	25·151	7th	24·854	16th	·297	37·0	65·6	+5·3	32·9	+1·3	49·3	+3·3	32·7	70·1	1st & 2nd.	28·1	22nd & 27th.	42·0
	Gulmarg	*8,569*						Observations not received.															
	Sonemarg	*8,764*	21·885		21·853	21·985	5th	21·690	30th	·295	30·8	55·6		25·1		40·3		30·5	65·4	9th	14·1	30th	51·3
	Dras	*10,059*	20·917		20·885	21·038	7th	20·721	16th	·367	24·7	47·0		19·7		33·4		27·3	52·4	1st	12·5	30th	39·9
	Leh	11,503	19·811	+·033	19·779	19·976	8th	19·567	29th	·409	29·5	50·9	+3·3	23·6	+3·1	37·3	+3·2	27·3	57·6	1st	14·0	30th	43·6
	Skardu	*7,505*	23·033		23·003	23·216	7th & 8th.	22·786	16th	·430	33·8	57·3		31·6		44·5		25·7	62·9	2nd & 4th.	27·1	21st & 22nd.	35·8
	Minimarg	*9,359*						Data not available.															
	Astor	*7,955*						Ditto.															
	Gilgit	4,890	25·312		25·285	25·510	7th	25·035	16th	·475	50·7	66·0	+4·0	45·3	+2·5	55·7	+3·3	20·7	72·7	7th	38·2	21st	34·5
	Baluchistan.																						
16	Quetta	5,502	24·761	−·008	24·721	24·855	7th	24·634	15th	·221	43·1	69·4	+4·6	33·8	+1·7	51·6	+3·2	35·6	77·6	8th	24·3	30th	53·3
	Chaman	4,311	25·828	−·010	25·790	25·950	30th	25·664	15th	·286	50·0	72·4	+3·0	44·5	−0·3	58·5	+1·4	27·9	80·8	8th & 10th.	30·8	30th	50·0
	Robat		26·997		26·955	27·181	30th	26·794	15th	·387	57·4	67·7		51·7		59·8		16·0	79·5	8th	31·7	29th	47·8
	Hill Stations excluding Kashmir and Baluchistan.																						
	Chitral	*5,486*									42·6	65·6		41·7		53·7		23·9	74·1	9th	36·5	30th	37·6
	Para Chinar	6,000	24·500		24·467	24·628	7th	24·374	15th	·254	53·3	68·0		41·3		54·7		26·7	76·7	9th	33·2	30th	43·5
	Cherat	*4,256*	25·805	−·010	25·773	25·878	10th	25·659	16th	·219	56·5	68·7	+1·5	53·0	+3·9	60·9	+2·7	15·7	75·1	9th	41·5	30th	33·6
	Murree	6,333	23·951	+·013	23·919	24·094	7th	23·815	16th	·279	53·6	63·6	+2·7	49·5	+3·9	56·6	+3·3	14·1	69·0	15th	35·5	30th	33·5
	Kailang	*10,087*	21·060¶		21·015¶	21·185	7th	20·856	30th	·329	35·2	57·9	+6·3	28·0	+2·5	43·0	+4·4	29·9	63·8	25th	17·9	30th	45·9
	Simla	7,224	23·193	+·007	22·155	23·309	7th	23·076	16th	·233	57·0	58·9	+2·8	47·0	+2·0	53·0	+2·4	11·9	62·2	1st	38·0	30th	24·2
	Sarain		23·238			23·360	7th	23·113	15th	·247	38·7	62·4		36·6		49·5		25·8	68·4	15th	29·3	30th	39·1
	Kalabagh							Observations not available.															
	Chakrata	7,022	23·366	+·012	23·326	23·491	7th	23·240	15th	·251	51·4	66·2	+6·2	45·5	+1·6	55·9	+3·9	20·7	70·8	1st	38·2	30th	32·6
	Muktesar	7,556	22·948		22·907	23·062	7th	22·828	16th	·234	51·1	63·8		49·5§		57·0§		14·3	68·0	1st	46·9	2nd	21·1
	Darjeeling	7,376	23·107	+·007	23·062	23·204	7th	22·990	16th	·214	49·4	55·1	+0·9	43·6	+1·2	49·4	+1·1	11·5	60·8	11th	40·2	19th & 22nd.	20·5
	Shillong	4,920	25·217		25·169	25·308	7th	25·096	16th	·210	55·5	65·9		46·4		56·2		19·5	70·9	12th	40·7	27th	30·2
	Cherra Poonjee	4,309	25·774		25·725	25·861	7th	25·662	16th	·199	61·1	68·1		53·2		60·7		14·9	74·2	8th	47·8	15th	26·4
	Maymyo	3,545	26·543		26·488	26·636	20th	26·411	16th	·225	63·5	75·2		51·2		63·2		24·0	78·4	3rd	46·6	23rd	31·8
	Pachmarhi	3,528	26·550	−·003	26·497	26·628	7th	26·437	16th	·191	63·7	78·9	+5·6	58·3†	?	69·0†	?	20·6	82·7	3rd, 4th & 18th	47·2	1st	35·5
	Mount Abu	3,945	26·154	−·009	26·104	26·238	7th	26·028	16th	·210	68·2	75·3	+1·8	60·4	+2·5	67·8	+2·2	14·9	79·2	5th	55·9	21st	23·3
	Mercara	3,781	26·250	−·007	26·183	26·291	3rd & 20th, 9th	26·197	16th	·094	64·4	76·4	+0·5	68·1	+1·1	68·8	+0·8	15·2	80·0	3rd	54·5	15th	25·5
	Ootacamund	*7,322*	23·068		23·004	23·151		23·009	27th	·142	55·4	63·1		48·8		56·0		14·3	66·6	4th	41·7	26th	24·9
	Kodaikanal	7,688	22·836		22·771	22·892	19th	22·791	12th	·101	54·0	60·6		49·9		55·3		10·7	64·5	30th	45·5	13th	19·0

N.B.—Elevations in italics indicate barometrical determinations.
NOTE.—The barometric readings are not reduced to sea-level in the cases of hill or plateau stations, the elevations of which exceed 5,200 feet.
¶ Mean of 22 days. § Mean of 11 days.
† " " 8 "

continued.

India, etc., in November, 1907—continued.

Wind Direction.									Wind Velocity.			Wind Steadiness.		Hygrometry, 8 hrs.				Cloud.		Rainfall.								Station.
Number of winds from								Resultant direction.	Normal direction.	Mean velocity in miles per hour.	Normal.	Departure from normal.	Actual percentage.	Departure from normal.	Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Mean cloud amount at 8 hrs.	Departure from normal.	Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 30th November 1907.	Normal rainfall for period 1st May to 30th November.	Departure from normal of period, 1st May to 30th November 1907.	Heaviest rainfall during month.	
N.	E.	S.E.	S.	S.W.	W.	N.W																						
27	28	29	30	31	32	33		34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																															Stations in the Bay.
11	1			1	1	1		N 16° E					73		86		·672		3·1		0			0			23·58			0	P. V. Fraser.
3	1	6	1	1		2		N 68° E		2·0			28		88		·695		9·6		21			15·51			84·60			2·56	CarNicobar.††
7	6	4	1		2			N 71° E	N 72° E	8·9*	6·7	+2·2	43	+23	87	+ 2	·682	−·001	7·6	+1·9	22			25·54	9·20	+16·34	112·45	105·86	+6·59	5·08	Port Blair.
9	10	3	1	1		1		N 67° E					59		83		·902		7·0		10			12·16			61·51			3·72	Slipper Island
																															Kashmir.
3	2	2	3	1		2		S 54° E	S 53° E	2·8	2·6	+0·2	43	+20	80	− 8	·178	− 015	1·8	−1·1	0	1·20	−1·20	0·03	0·46	−0·43	11·68	11·71	−0·03	0·03	Srinagar.
														Observations not received.																	Gulmarg.
2	2	2	1					N 67° E		3·0			17		80		·135		3·8		0			0·08			18·27			0·08	Sonemarg.
					1			N 45° W		2·6			3		88		·119		3·2		1	2·70	−1·70	0·10	1·14	− 1·04	4·15	7·59	−3·44	0·10	Dras.
	1							N 45° E	S 46° W	2·7*	2·1	+0·6	3	−11	53	−14	·088	−·015	3·6	−0·5	1	0·20	+0·80	0·13	0·02	− 0·11	1·31	1·77	−0·46	0·13	Leh.
		1		1	1			S 45° W		3·2			3		67		·135		3·5		0	0·30	−0·30	0	0·08	− 0·08	3·00	3·03	−0·03	0	Skardu.
														Data not available.																	Minimarg.
														Ditto.													‡				Astor.
		1	2	1	3			S 42° W		0·8			13		36	−16	·128	−·037	3·6	−0·4	0	0·10	−0·10	0	0·05	− 0·05	3·15	2·60	+0·55	0	Gilgit.
																															Baluchistan
								‡	S 18° W	0·4	2·0	−1·6			53	+ 1	·146	−·007	1·0	−1·0	0	1·60	−1·60	0	0·31	− 0·31	1·85	2·72	−0·87	0	Quetta.
0	1		1		1	11		N 19°W	S 61° E	6·8	6·5	+0·3	53	−10	44	+ 1	·161	−·040	1·8	−0·9	0	1·90	−1·90	0·04	0·26	− 0·22	0·37	0·58	−0·21	0·14	Chaman.
4	4	8						N 49° E		2·6*			33		18		·221		1·0		0			0			0			0	Robat.
																															Hill Stations excluding Kashmir and Baluchistan.
	6	1	1			2		N 45° E		0·8			27		74		·198		1·4		1			0·33			7·67			0·28	Chitral.
1					1			N 45° W		3·6			7		38		154		2·0		1	2·00	−1·00	0·20	1·05	− 0·85	13·88	13·88	0	0·10	Para Chinar.
						5		N 10° W	N 13° W	6·0	11·6	−5·6	69	+ 2	46	+ 7	·223	+·052	1·9	−0·5	0			0	0·12	− 0·12	7·31	12·04	−4·73	0	Cherat.
10	1	1	1	4		2		N 8° E	N 75° E	6·8	5·7	+1·1	23	+16	40	+ 4	·112	+·033	1·7	−1·1	0	2·10	−2·10	0·03	0·90	− 0·87	27·36	39·80	−12·44	0·03	Murree.
	1	7	10	4	5	1	2	S 35° E		1·0*	1·3	−0·3	49		46		·095		3·0		0			0	0·51	− 0·51	4·65	9·28	−4·63	0	Kailang.
21			4					N	N 42° E	5·1	3·2	+1·9	57	+33	40	− 2	·137	−·004	1·4	−0·4	0	0·70	−0·70	0	0·61	− 0·61	26·58	52·88	−26·30	0	Simla.
			12	10	1			S 23° W		3·9‖			72		55		·133		1·0		0			0·07			22·75			0·07	Sarain.§§
																Observations not available															Kalabagh.
4			1	1		4		N 35° W	N 34° E	7·9	5·4	+2·5	23	−14	48	− 5	·187	+·002	0·8	−0·6	0	0·70	−0·70	0	0·55	−0·55	30·21	57·88	−27·67	0	Chakrata.
			2		8			S 78° W		3·9			23		47		·177		1·0		0			0			26·81			0	Muktesar.
2	6	5	6	2	1	1	2	N 86° E	N 87° E	2·2	2·7	−0·5	33	− 7	77	− 2	·272	+·010	3·5	+0·1	1	0·68	+0·32	0·28	0·36	− 0·08	78·16	116·54	−38·38	0·28	Darjeeling.
	1	2	1	1				S 74° E		2·9			10		76		·339		1·8		5	1·90	+3·10	1·79	0·78	+ 1·01	54·44	72·01	−17·57	1·00	Shillong.
1	12	9				1		N 59° E		3·9			66		67		·357		1·7		0	1·20	−1·2	0·01	0·92	− 0·91	317·23	388·98	−71·75	0·01	Cherra Poonjee.
								‡		0·6*					82		·485		2·5		0	4·90	−4·90	0·03	3·01	− 2·98	38·29	55·12	−16·83	0·03	Mawphlang.
	3	4	4	2	1	2		S 61° E	N 82° E	1·9	2·8	−0·9	23	+ 5	61	+ 7	·364	+·021	3·8	+2·2	1	0·80	+0·20	0·15	0·56	− 0·41	51·92	74·04	−22·12	0·12	Pachmarni.
7	5	2	1		2	1	1	N 19° E	N 27° E	3·6	4·4	−0·8	30	+ 3	42	0	·292	+·026	0·4	−1·4	0	0·40	−0·40	0	0·28	− 0·28	76·10	60·73	+15·37	0	Mount Abu.
3	6	15	1					N 72° E	N 71° E	3·3	5·2	−1·9	69	− 1	93	+12	·556	+·053	7·1	+1·9	6	4·90	+1·10	4·21	2·86	+ 1·35	134·23	121·79	+12·44	1·32	Mercara
		10	8	2	1	1	1	S 79° E		5·2			56		77		·340		6·4		9	6·30	+2·70	4·54	4·00	+ 0·54	45·40	39·76	+5·64	1·12	Ootacamund.
7		4	5	1		2	8	N 11° E		13·1*			33		86		·361		6·6		13	11·30	+1·70	10·02	8·17	+ 1·85	37·47	47·72	−10·25	2·53	Kodaikanal
	6																														

* Uncorrected readings.

‡ Indeterminate.

†† Wind observations of 12 days.

§§ „ „ 29 „

‖ Mean of 29 days.

Table

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

Number of subdivision.	Station.	Elevation of barometer above sea-level in feet.	Pressure 8 hrs. in inches. 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
	XIII.—Extra India.																						
	Singapore (*a*)	10	29·926		29·857	29·979	20th	29·831	22nd	·098	83·4	87·3		74·3		80·8		13·0	90·0	4th	73·0	19th & 23rd.	17·0
	Penang (*a*)	20	29·919		29·864	29·967	7th	29·858	23rd	·129	81·4	86·9		72·8		79·9		14·1	91·0	25th	70·0	15th	21·0
	Trincomalee	12	29·943	?	29·881	30·015	19th	29·881	13th	·134	77·4	85·1	−0·2	74·7	0	79·9	−0·1	10·4	89·0	2nd & 17th	71·0	26th	18·0
	Colombo	40	29·903	−·014	29·869	29·953	19th	29·842	5th	·111	78·4	84·9	−1·5	74·0	−0·1	79·5	−0·8	10·9	88·5	3rd	71·0	24th	17·5
	Minicoy	7	29·949			30·016	19th	29·862	6th	·154													
	Amini Divi	*13*	29·937	−·024	29·878	29·993	3rd	29·876	7th	·117	81·7	86·2	+1·3	75·6	+0·1	80·9	+0·7	10·6	90·1	29th	72·0	30th	18·1
	Gyantse	13,120	18·615‡			18·941	25th	18·469	1st	·472	26·9	54·6		12·3		33·5		42·3	67·8	4th	7·5	10th	60·3
	Pharijong	14,400	17·974(*e*)			18·054	23rd	17·853	15th	·201	30·1	52·6		12·2		32·4		40·4	57·6	20th & 21st.	7·0	22nd	50·6
	Gangtok	5,660?	24·564¶			24·668	7th	24·472	17th	·196	57·3	65·6		41·4		53·5		24·2	72·7	11th	38·0	16th & 29th.	34·7
	Gartok	15,100?						Observatory not opened.															
	Kashgar (*c*)	4,255	25·752			25·970	23rd	25·410	16th	·560	33·1	52·8	+0·7	29·6	+0·8	41·2	+0·8	23·2	68·1	9th	21·5	28th	46·6
	Kabul		24·404		24·373	24·531	7th	24·253	16th	·278	42·9	78·5	+11·0	34·5	−0·4	56·5	+5·3	44·0	92·1	6th	27·2	29th	64·9
	Meshed†	3,104	26·869		26·847	27·039	13th	26·685	1st & 2nd	·354	39·6	55·5		32·5	−3·6	44·0		23·0	84·5	8th	21·8	25th & 26th.	62·7
	Jask‡	13	30·037	−·036	30·007	30·167	30th	29·962	1st	·205	74·0	83·6	+0·2	68·7	0	76·2	+0·1	14·9	88·3	5th & 6th.	62·3	30th	26·0
	Muscat†	20	30·048	−·020	30·016	30·175	30th	29·970	1st	·205	77·2	86·0	+6·0	74·1	−1·2	80·1	+2·4	11·9	92·3	6th & 7th.	68·1	21st	24·2
	Bahrein	18	30·124‡		30·095‡	30·216	15th	30·023	1st	·193	73·1‡	76·6‡		66·4†		71·5†		10·2	88·5	5th	60·3	18th	28·2
	Bushire	14	30·054	−·020	30·027	30·163	27th	29·941	1st	·220	62·9	74·8	−3·3	59·0	−2·4	67·4	−2·9	14·9	87·6	5th	50·6	15th & 16th.	37·0
	Busrah	25	29·999		29·984	30·314	27th	29·438	13th	·876	60·9	72·2		50·6§		61·3§		22·2	88·5	8th	35·7	14th	52·8
	Ispahan (*b*)	*5,817*	24·294			24·440	30th	24·220	14th, 15th & 22nd.	·220	40·1	61·1	−0·9	37·8	+1·9	49·5	+0·5	23·3	76·3	7th	27·7	25th	48·6
	Tehran (*b*) †	*4,002*	25·938(*d*)			26·150(*d*)	29th	25·760(*d*)	9th	·390	43·7(*d*)	60·5	−0·7	40·6	−1·5	50·6	−1·1	19·9	72·8	6th	30·7	28th	42·1
	Baghdad	220	29·901(*d*)	−·014	30·170(*d*)	30·177(*d*)	27th	29·759(*d*)	18th	·418	52·5(*d*)	70·5	−4·2	48·9	−0·6	59·7	−2·4	21·6	86·1	7th	34·2	13th	51·9
	Beirut				30·020						62·7	70·6		57·2		63·9		13·4	78·4	5th	51·7	11th	26·7
	Aden	94	29·931	−·020	29·957	29·997	29th	29·805	12th	·192	79·7	85·7	+0·8	75·8	+1·1	80·7	+1·0	9·9	91·3	1st	71·9	30th	19·4
	Perim	201	29·631	−·171	29·768	29·650	26th	29·601	19th	·049	81·8	91·5	+4·6	81·1	+4·0	86·3	+4·3	10·4	94·1	6th & 8th,	75·2	28th	18·9
	Zanzibar	72	29·958	−·005	29·957	30·003	4th	29·907	29th	·096	81·8	85·4	+1·7	77·6	+0·4	81·5	+1·1	7·8	87·3	15th	74·7	20th	12·6
	Do. Dunga	*154*	29·789		29·870	29·817	3rd & 4th.	29·759	21st & 22nd.	·058	79·8	88·6		?		?		?	92·5	16th & 20th.	?	?	?

N.B. Elevations in italics indicate barometrical determinations.

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

(*a*) 9 hrs. observations (*b*) Aneroid uncorrected. (*c*) Aneroid corrected. (*d*) 7 hrs. observations.

† Mean of 29 days. ‡ Mean of 28 days. § Mean of 25 days. ¶ Mean of 22 days. (*e*) Mean of 26 days.

—*concluded.*

t 235 stations in India, etc., in November 1907.—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 in miles per hour	Normal	Departure from normal	Wind steadiness. Actual percentage	Departure from normal	Hygrometry 8 hrs. Mean humidity at 8 hrs.	Departure from normal	Mean vapour tension at 8 hrs. in inches of mercury	Departure from normal in inches of mercury	Cloud. Mean amount at 8 hrs.	Departure from normal	Rainfall. Number of rainy days	Normal number of rainy days	Departure from normal	Rainfall of month	Normal rainfall of month	Departure from normal	Total rainfall from 1st May to 30th Nov. 1907	Normal rainfall for period 1st May to 30th Nov.	Departure from normal of period 1st May to 30th Nov. 1907	Heaviest rainfall during month	Station
26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																															Extra India.
1	1	2	1	1		2	14	N 41° W		5·4 *			43						6·3		12			4·18			52·89			1·02	Singapore.
5	6	1	4	2		3	9	N 7° W		10·2 *			37						1·8		19			17·16			60·67			3·46	Penang.
1	1	1	1	2	5	7		S 61° W	S 57° W	1·5 *	5·3	-3·8	30	+ 8	91	+ 5	·857	−·005	4·9	+1·4	15			20·72	13·57	+ 7·15	47·18	35·85	+11·33	7·19	Trincomalee.
4	2		3		11	2	3	S 70° W	N 48° E	5·0	6·1	−1·1	23	− 7	88	+10	·857	+·019	5·8	+1·0	14			18·11	13·13	+ 4·98	57·83	60·83	− 3·00	3·46	Colombo.
8	3	1			3	8	7	N 43° W	N 7° W	4·9	6·2	−1·3	56	+22					4·9	+0·8	10			11·52	4·15	+ 7·37	16·28	45·73	+ 0·55	5·20	Minicoy.
4	8	1	3		4	2	7	N 6° W					33	− 1	78	0	·847	−·011	6·0	+1·4	4			1·30	1·58	− 0·28				0·45	Amini Divi.
		1	7	5	3			S 18° E		1·8			43		64		·096				0			0			4·15			0	Gyantse.
7				1	2		1	N 22° W		6·0			20		91		·156		0·5		0			0			15·45			0	Pharijong.
	2		1					N 63° E		1·2			9		65		·299		2·1		7			4·99			106·42			1·07	Gangtok.††
												Observatory not			ope	ned.															Gartok.
							3	N 45° W	N 5° W	0·3	0·9	−0·6	10	− 1	64	+11	·147	?	1·8	−1·8	0			0	0·03	− 0·03	2·10	3·09	− 0·99	0	Kashgar.
17	5			1		4	3	N 8° W	S 45° W	*‖			72	+60	52		·148		2·5	+0·6	0			0·04	0·72	− 0·68	2·77	2·20	+ 0·57	0·04	Kabul.
		2	2	2		2	2	S		2·2			7		82		·200		5·3	+0·7	1			0·24	0·51	− 0·27	2·80	1·94	+ 0·86	0·20	Meshed.†
2	9	6					3	N 44° E	N 27° E	9·2	9·7	−0·5	49	− 8	60	− 7	·509	−·070	2·9	+1·1	0			0	0·49	− 0·49	0	0·66	− 0·66	0	Jask.
							5	N 45° W	S 74° W	3·5 ‖	3·4	+0·1	21	−12	61	− 7	·571	−·080	1·7	+0·2	1			0·18	0·61	− 0·43	0·18	1·03	− 0·85	0·18	Muscat.†
3	2	3	2	1		5	12	N 36° W		8·9			50		72		·598‡		0		0			0			0·50			0	Bahrein.§§
6	5	5	7	1			3	N 63° E	N 61° E	11·3 *	6·1	+5·2	43	−27	72	+ 5	·421	−·037	2·7	−0·4	3			0·65	1·79	− 1·14	0·67	1·87	− 1·20	0·26	Bushire.
4	2			6	3	1	5	6	N 63° W	4·5 †			13		72		·403		3·1		1			0·29			0·56			0·15	Busrah.
	1				3			S 45° W	N 62° W	1·8	2·5	−0·7	10	− 4	73	− 2	·186	−·030	3·0	−0·7	1			0·27	0·92	− 0·65	1·30	1·30	0	0·27	Ispahan.
10	11	1				1	2	N 18° E	N 11° E	4·3 †	2·2	+2·1	69	+41	72	+13	·206	+·007	4·2	+0·6	1			0·41	0·96	− 0·52	2·69	2·03	+ 0·66	0·37	Tehran.
8		1		4	1	1	3	N 31° W	N 5° W	7·8	2·3	+5·5	19	− 5	66	+ 2	·271	−·016	3·0	+1·7	1			0·16	0·92	− 0·76	1·21	1·29	− 0·08	0·14	Baghdad.
	2	1	10		8	2		S 9° E					37		69		·396		5·0		11			7·66			11·70			2·49	Beirut.
2		25	1		1	1		N 48° E	N 76° E	12·8	12·9	−0·1	76	− 4	74	+ 2	·750	+·064	3·1	−0·7	0			0	0·23	− 0·23	0·02	0·74	− 0·72	0	Aden.
		2	4	12	6	6		S 30° E	S 87° E	18·0	20·2	−2·2	67	−17	80	+ 9	·962	+·220	0	−3·0	0			0	0·94	− 0·94	0	0·95	− 0·95	0	Perim.
3	2	2	2	4	5	2		S 40° E	S 45° E	3·0	4·6	−1·6	27	−15	78	− 5	·838	0	5·7	−0·3	10			5·17	5·28	− 4·11	19·60	30·63	−11·03	1·89	Zanzibar.
2	5	8				2	3	N 10° E		4·2			37		84		·856		0		7			3·34			20·58			0·85	Do. Dunga.

* Uncorrected readings.

** Mean of 16 days.
‡ „ 27 „

†† Wind observations of 22 days.
§§ „ „ 23 „

Table C.—Abstract of observations taken at 8 hrs., at 25 fourth-class stations in India, etc., in November, 1907.

Ta

Abstract of observations taken at 8

Number of sub-division.	Station.	Temperature of air.													Wind direction.									
		Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.	Number of winds from									Resultant direction.
															Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
	II.—Eastern Bengal and Assam.																							
4	Bisnath	60·8	82·1	...	51·5	...	66·8	...	30·6	85·9	6th	43·3	28th	42·6	...	...	..	...	...	...	...	...	...	...
	Borjuli	67·1	84·0	...	54·7	...	69·4	...	29·3	88·1	2nd	50·2	9 days	37·9	...	...	...	..	..	...	...	...	...	...
	Chandkhira	64·0	84·2	...	57·0	...	70·6	...	27·2	87·3	1st, 3rd & 4th.	53·3	15th	34·0	...	...	...	...	...	...	...	...	...	...
	Doom Dooma	61·8	68·2	...	53·7	...	61·0	...	14·5	71·8	4th	48·6	25th	23·2	...	...	...	...	...	...	...	...	...	...
	Dikom	62·3	81·0	...	53·8	...	67·4	...	27·2	85·0	1st	46·3	13th	38·7	...	...	...	...	...	...	...	...	...	...
	Golaghat	66·2	80·5	...	57·7	...	69·1	...	22·8	83·1	1st, 2nd & 9th.	51·8	25th	31·3	...	...	...	...	...	...	...	...	...	...
	Hailakandi	64·1	85·6	...	56·1	...	70·9	...	29·5	88·8	16th	51·0	15th	37·8	...	...	...	...	...	...	...	...	...	...
	Jorehat	64·7	82·0	...	58·6	...	70·3	...	23·4	85·4	2nd & 8th	53·0	13th	32·4	...	...	...	...	...	...	...	...	...	...
	Messa	69·8	88·0	...	54·8	...	71·4	...	33·2	90·1	12th	46·9	25th	43·2	...	...	...	...	...	...	...	...	...	...
	Panerihat	58·0	80·9	...	56·8	...	68·9	...	24·1	84·0	3rd	49·8	26th	34·2	...	...	...	...	...	...	...	...	...	...
	Srimangal	64·6	86·8	...	56·3	...	71·6	...	30·5	90·6	5th	51·7	24th	38·9	...	...	...	...	...	...	...	...	...	...
	Tura †	76·6	80·9	...	63·8	...	72·3	...	17·1	84·6	4 days	60·4	17th, 18th & 30th.	24·2	...	1	6	2	4	...	17	...	...	S 17° W
5	Brahmanbaria	72·8	85·8	...	60·4	...	73·1	...	25·4	90·3	13th	56·8	25th	33·5	...	...	...	...	...	...	...	...	...	...
	Dam Dim	64·9	86·4	...	54·2	...	70·3	...	32·2	88·9	9th	47·0	14th	41·9	...	...	...	...	...	...	...	...	...	...
	Goalundo	70·1	86·1	...	58·6	...	72·4	...	27·5	91·1	4th & 6th.	51·8	22nd	39·3	...	...	...	...	...	...	...	...	...	...
	Kalchini	70·3	83·6	...	56·0	...	69·8	...	27·6	87·0	2nd & 10th.	52·0	12th, 13th & 16th.	35·0	...	...	...	...	...	...	...	...	...	...
	Nagrakata	73·8	84·3	...	...	...	...	...	...	91·1	25th	...	...	...	...	...	...	...	...	...	...	...	...	...
	Pabna	71·9	91·6	...	59·8	...	75·7	...	31·8	96·2	4th	54·0	22nd	42·2	...	...	...	...	...	...	...	...	...	...
	III.—Bengal.																							
6	Fraserganj	76·0	...	...	...	...	...	...	...	...	...	...	...	...	...	27	...	...	...	1	1	...	1	N 2° W
	XI.—Central Provinces.																							
24	Chhindwara	Observatory not opened.																						
	Hill Stations.																							
	Panighatta	69·5	81·5	...	61·3	...	71·4	...	20·2	85·3	26th	58·0	14th	27·3	...	...	...	...	...	...	...	...	...	...
	Kurseong	56·4	65·5	...	53·0	...	59·3	...	12·5	72·3	11th	50·1	19th & 22nd.	22·2	...	...	...	...	...	...	...	...	...	...
	Poo	...	59·8	...	39·1	...	49·5	...	20·7	65·7	16th	27·0	30th	38·7	19	...	...	2	6	2	...	1	...	S 40° E
	Killa Drosh	48·2	66·6	..	45·1	...	55·9	...	21·5	80·8	26th	35·5	30th	45·3	22	...	1	...	3	...	1	...	...	S 45° E
	Pishin	...	69·8	...	34·0	...	51·9	...	35·8	77·6	8th	22·0	30th	55·6	...	...	...	...	...	...	...	...	...	...
	Extra India.																							
	Birjand	52·7	62·2	...	43·2	...	52·8	..	19·0	76·3	8th	26·2	30th	50·1	11	7	9	1	...	...	...	1	1	N 23° E

† Observations of 10 hrs.

C.

at 25 fourth-class stations in India, etc., in November, 1907.

Wind velocity.			Wind steadiness.		Hygrometry, 8 hrs.				Cloud.		Rainfall.									Heaviest rainfall during month.	Station.
Mean velocity, miles per hour.	Normal.	Percentage departure from normal.	Actual percentage.	Departure from normal.	Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Mean cloud amount at 8 hrs.	Departure from normal.	Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 30th November 1907.	Normal rainfall for period 1st May to 30th November.	Departure from normal of period 1st May to 30th November 1907.		
27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
																					II.—Eastern Bengal and Assam.
...	...	...	...	...	95	...	·511	...	...	...	0	...	...	0·07	...	...	79·42	...	...	0·07	Bisnath.
...	...	...	...	...	84	...	·565	...	...	...	1	...	...	0·33	...	...	57·45	...	...	0·33	Borjuli.
...	...	...	...	...	96	...	·576	...	...	...	1	...	...	0·72	...	...	72·59	...	...	0·72	Chandkhira.
...	...	...	...	...	95	...	·536	...	...	...	0	...	...	0·05	...	...	77·43	...	...	0·05	Doom Dooma.
...	...	...	...	...	87	...	·495	...	...	...	0	...	...	0·01	...	...	75·76	...	...	0·01	Dikom.
...	...	...	...	...	90*	...	·587*	...	...	...	0	...	...	0·15	...	...	50·11	...	...	0·08	Golaghat.
...	...	...	...	...	94	...	·561	...	...	...	0	...	...	0	...	...	97·49	...	...	0	Hailakandi.
...	...	...	...	...	93	...	·571	...	...	...	0	...	...	0·08	...	...	61·01	...	...	0·08	Jorehat.
...	...	...	...	...	79	...	·580	...	...	...	1	...	...	0·15	...	...	90·19	...	...	0·15	Messa.
...	...	...	...	...	94	...	·450	...	...	...	1	...	...	0·97	...	...	60·98	...	...	0·84	Panerihat.
...	...	...	...	...	88	...	·543	...	...	...	0	...	...	0	...	...	76·52	...	...	0	Srimangal.
...	...	...	33	...	63	...	·585	...	3·1	...	0	...	...	0·02	...	...	86·33	...	...	0·02	Tura.
...	...	...	...	...	76	...	·613	...	...	...	0	...	...	0	...	...	51·87	...	...	0	Brahmanbaria.
...	...	...	...	...	89	...	·547	...	...	...	2	...	...	0·39	...	...	125·68	...	...	0·24	Dam Dim.
...	...	...	...	...	84	...	·618	...	...	...	0	...	...	0	...	...	48·80	...	...	0	Goalundo.
...	...	...	...	...	75	...	·571	...	...	...	1	...	...	0·66	...	...	137·22	...	...	0·64	Kalchini.
...	...	...	...	...	69	...	·569	...	...	...	3	...	...	0·73	...	...	123·41	...	...	0·25	Nagrakata.
...	...	...	...	...	77	...	·612	...	...	...	0	...	...	0	...	...	44·86	...	...	0	Pabna.
																					III.—Bengal.
...	...	...	87	...	80	...	7·22	...	...	...	0	...	...	0	...	...	76·82	...	...	0	Fraserganj.
																					XI.—Central Provinces.
							Observatory not opened.														Chhindwara.
																					Hill Stations.
...	...	...	...	...	64	...	·465	...	...	...	2	...	...	0·34	...	...	96·99	...	...	0·19	Panighatta.
...	...	...	...	...	92	...	·419	...	...	...	1	...	...	0·37	...	...	110·88	...	...	0·20	Kurseong.
...	...	...	27	...	...	...	...	...	1·8	...	0	...	...	0	0·78	—0·78	2·43	4·55	—2·12	0	Poo.
...	...	...	11	...	57	...	·189	...	1·7	...	0	...	...	0·10	...	...	11·10	...	...	0·08	Killa Drosn.
...	...	...	...	...	...	...	...	...	0·9	...	0	1·30	—1·30	0·06	0·52	—0·46	...	1·07	...	0·06	Pishin.
																					Extra India.
...	...	...	50	...	42	...	·162	...	2·6	...	2	...	...	0·38	...	...	0·45	...	...	0 14	Birjand.

* Mean of 29 days.

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

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

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

Zinco & I. O., Calcutta.

No. 1658 E., 08.—Dir. Genl., Observatories.—May '08.—2,050

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

Reg. No. 1878 E., '08.—Dir. Genl., Observatories.—May '08.—2,000.

Thacker, Spink & Co., Calcutta.

PLATE III

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

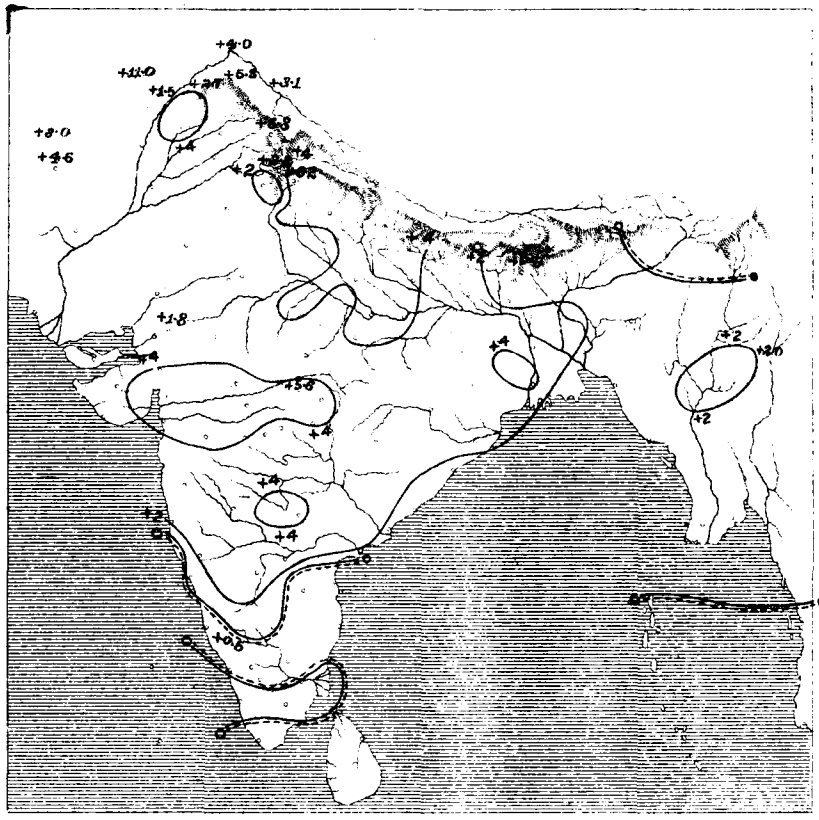


CHART SHEWING THE DEPARTURE FROM NORMAL
OF THE MONTHLY MEAN OF DAILY
MINIMUM TEMPERATURE.

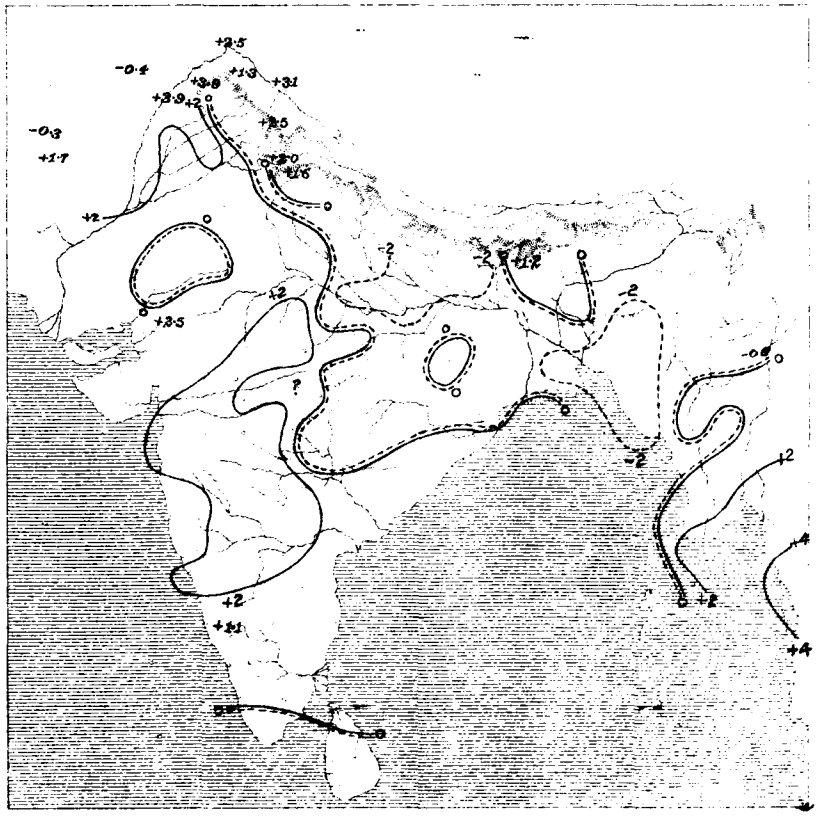


PLATE IV

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

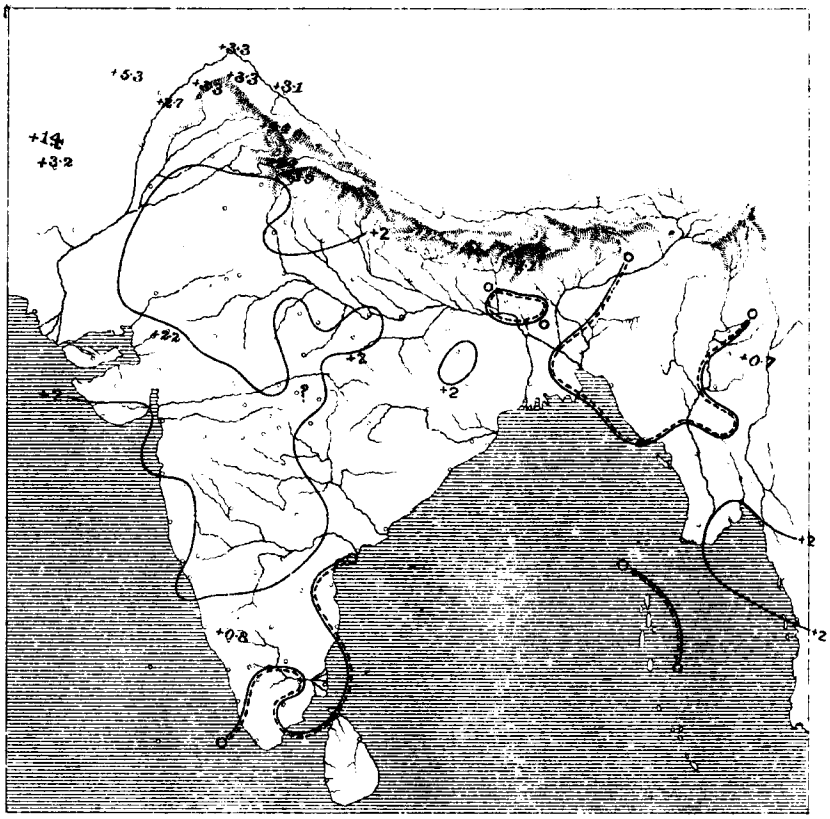
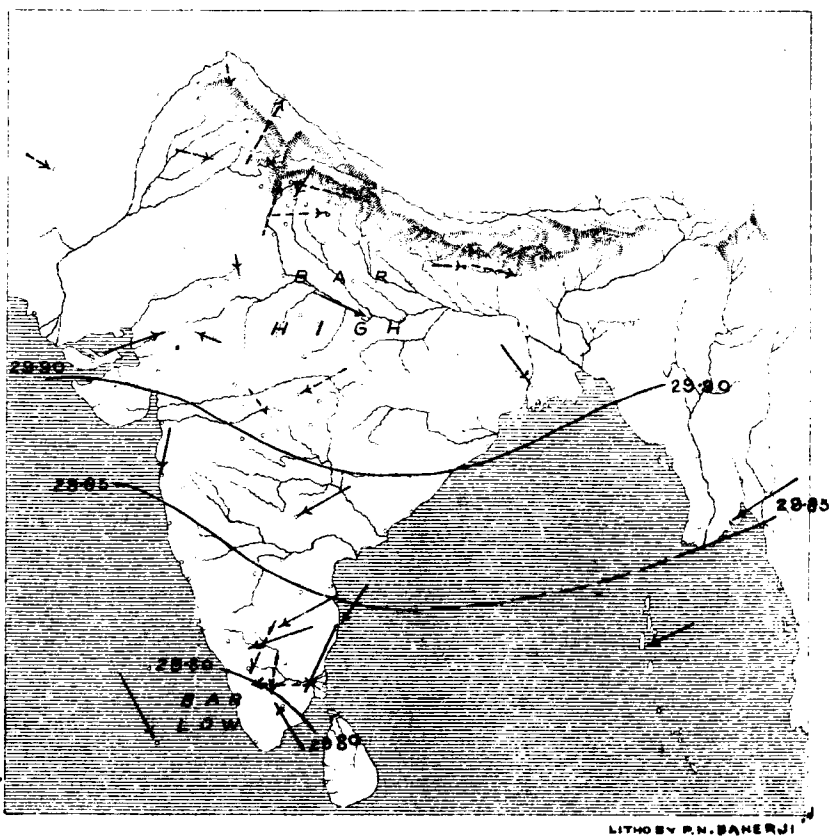


CHART SHEWING THE MONTHLY MEAN OF PRESSURE AND RESULTANT WIND DIRECTION.



LITHO BY P.N. BANERJI

PLATE V.

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

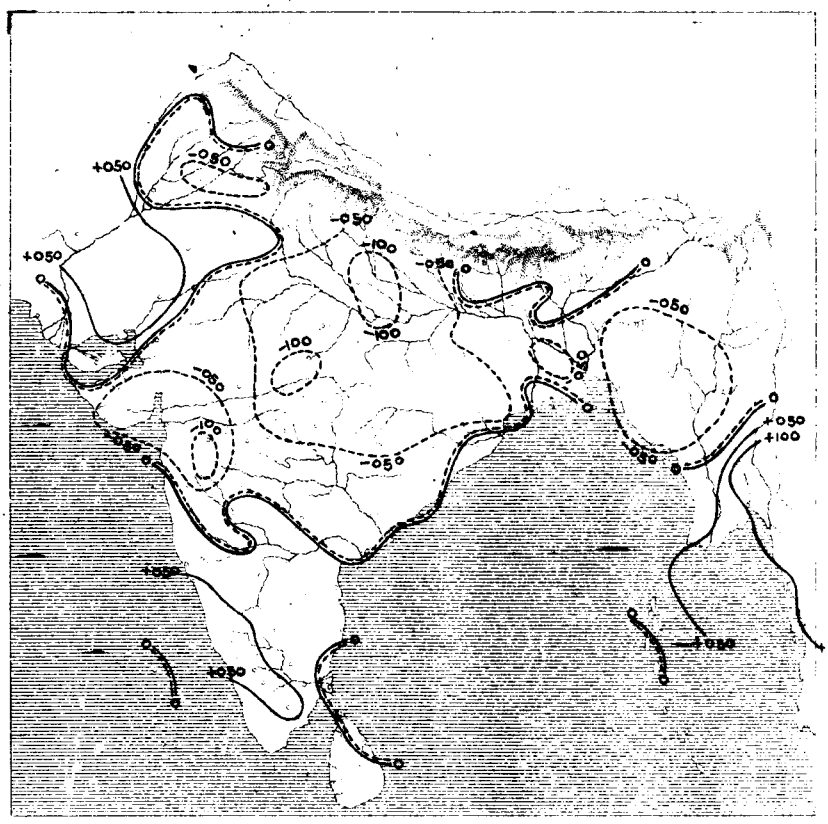


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF RELATIVE HUMIDITY AT 8 HRS.

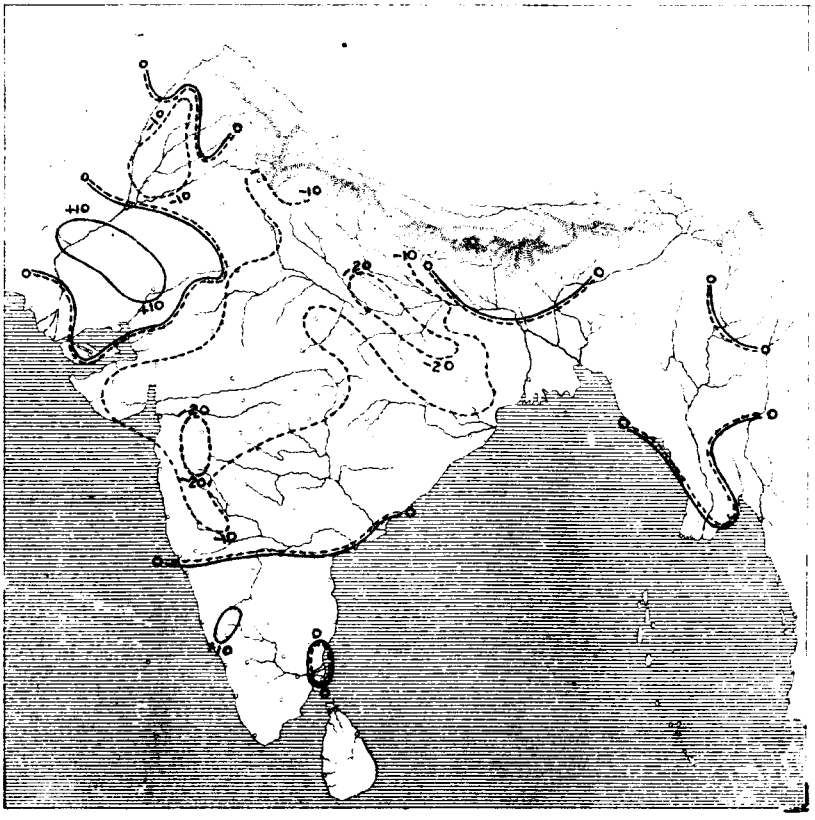


PLATE VI.

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

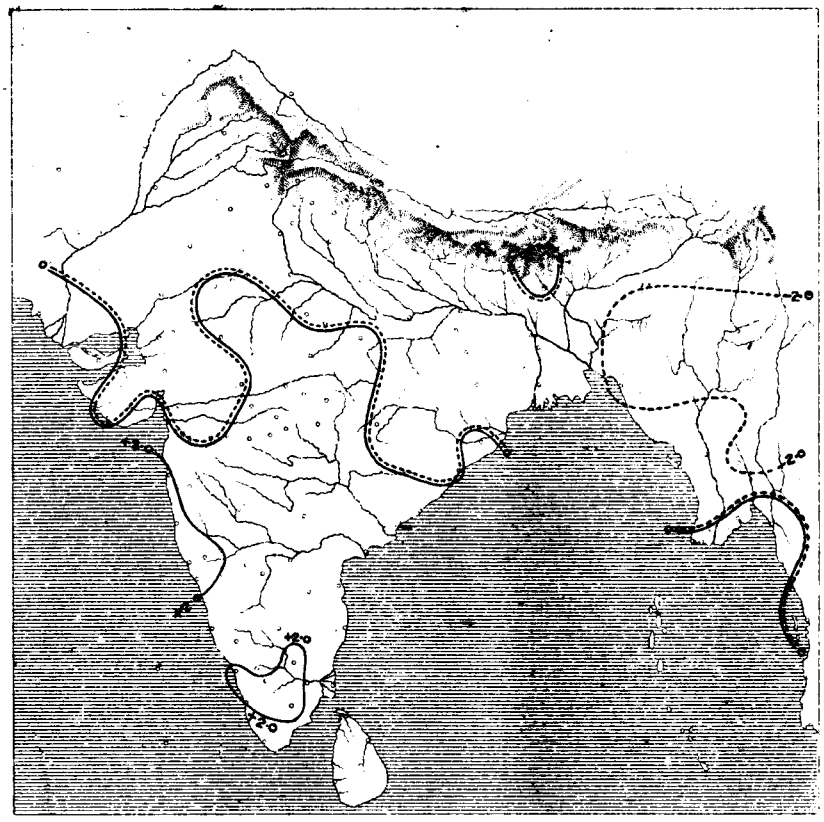
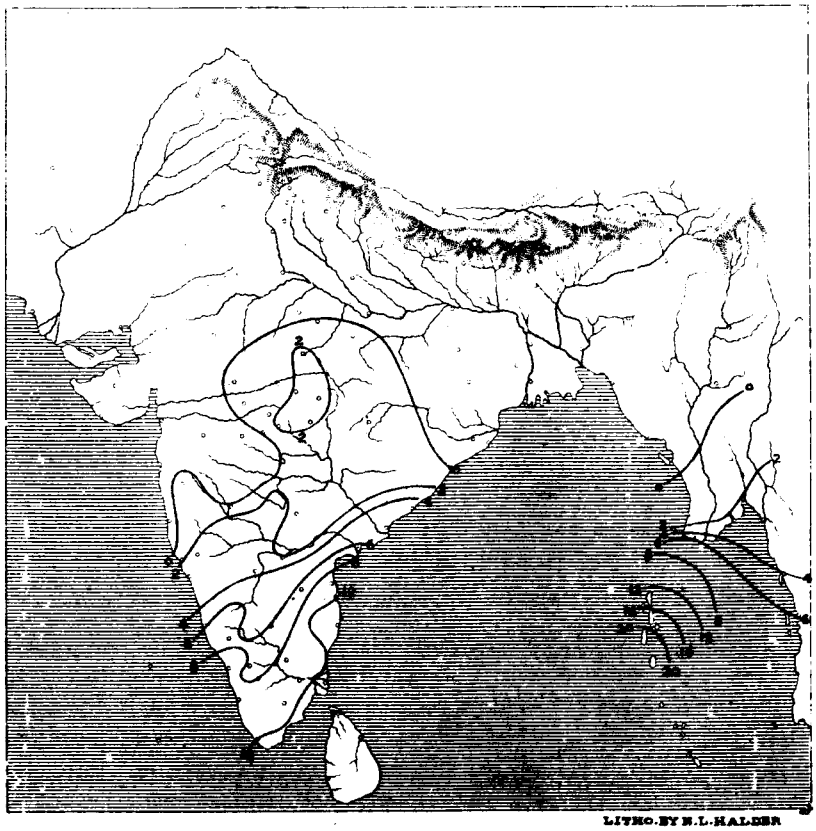


CHART SHEWING THE TOTAL NUMBER OF DAYS IN THE MONTH ON WHICH RAINFALL EQUALLED OR EXCEEDED 0·10 INCH.

(BASED ON THE RETURNS OF TABLE B.)



LITHO. BY E. L. HALDER

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

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

Rec. No. 1603 b, 08.—Ind. Genl. Observatories.—Mar. No. 2,500

GOVERNMENT OF INDIA

METEOROLOGICAL DEPARTMENT.

MONTHLY WEATHER REVIEW.

PUBLISHED BY ORDER OF

THE GOVERNMENT OF INDIA.

SIMLA, DECEMBER 1907.

INTRODUCTION.

THIS review of the weather in India during the month of December 1907 is based on observations taken daily at 8 hrs. at 236 stations, and on additional observations taken at 10 hrs. and 16 hrs. at 37 stations. In the rainfall summary the data furnished by the meteorological observatories, and such rainfall statements of the month as had been published by the Provincial Governments up to the date of the preparation of the review, have been utilized. The brief notes on solar, seismic and magnetic disturbances have been supplied by the chief observatories.

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

Summary of the chief features of the weather in India during the month of December, 1907.

2. No cold weather depression of any importance, from a rain-producing point of view, crossed into northwest India from the west during the month, and weather was in consequence dry over northwest India, the United Provinces and Central India, except that light precipitation occurred in Kashmir and Baluchistan at the end of the month. The unsettled weather in the Central Provinces at the end of November was propagated eastward into Burma and in conjunction with a cyclonic storm in the southeast of the Bay gave heavy and general but most unseasonable rain over Burma, excluding Tenasserim. Weather again became unsettled in the east of the Central Provinces about the 11th and this time the disturbance passed into northeast India where it caused moderately heavy rain except in the northwestern districts, and also gave good rain on the north Madras coast. In south India wet weather conditions prevailed from the 13th to the 22nd, and by the latter date the monsoon had retreated from the Indian area. Temperature was generally normal but in northern India the minimum showed a slight defect in many parts, while cloud and humidity were less than usual over a large part of the country.

Solar, seismic and magnetic disturbances.

KODAIKANAL OBSERVATORY.

3. *Solar observations.*—There were only three days on which spots and prominences could not be observed, but on eight other days prominence observations were imperfect.

Sunspots.—There were 17 new groups in the month with a daily average of 3·7 ; nine groups formed on the visible disc—a larger proportion than usual. There was no return of any old group, though 1305 (lat.—7° long. 324°) was in about the same region as 1289 which, however, disappeared before reaching the west limb in November. Of the new groups, no less than 12 lay in the southern hemisphere and no spot had a latitude greater than 20°. The distribution was as follows :—

	0°-10°	11°-20°
North	3	2
South	7	5

The proportion of large spots was greater than usual this month ; there were six of them, 1304 (lat. —13° long. 343°) 1306 (lat. +12° long. 278°), 1307 (lat. +9° long. 266°), 1311 (lat.—15° long. 218°), 1312 (lat. —5° long. 144°), 1321 (lat. —6° long. 306°), but there was nothing striking about the first three except their size. 1311 first appeared on the visible disc as a train of small spots, and in the course of a few days formed a fine double spot—group. 1312, which

was associated with prominences at both limbs showed C reversed on the umbra on the 22nd, 23rd and 27th; on the 23rd D_1 and D_2 were also faintly reversed on it. 1321 came round the east limb on the last day of the month.

The number of large prominences showed a similar increase. There were 58 of them a minute or more in height, averaging about 2 a day. A region at about lat. +45° W. and covering more than 50° in longitude contained a series of prominences 2 minutes or more in height; the first of them was seen on the 23rd and the highest one, a cloud 170" high, was seen on the 26th. On the 5th there was a closely connected group of prominences occupying more than 30° near the east limb. Seven metallic prominences were observed in the month, but the only lines observed in them were those of Na, Mg and Fe.

There was only one "small" magnetic disturbance in the month which lasted from 21 hrs. on the 10th to 10 hrs. on the 14th. The long train of spot-groups 1306, 1307 and 1309 was then near the central meridian.

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

BOMBAY OBSERVATORY.

Note on the Alibag Magnetic record.

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

The days of the month selected as "Quiet" are the 3rd, 9th, 17th, 22nd, and 24th.

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

Easterly declination	1° 3′ 6″
Horizontal force	0·36883 C.G.S. unit.
Dip	23° 18′3
Horisontal force range	0·0043 C.G.S. unit.
Horizontal force summed range	0·0279 C.G.S. unit.
Declination range	1′ 88
Declination summed range	8′ 56

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

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

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

The magnitudes of the disturbances are determined from Horisontal Force traces. C. = calm; S. = small; M. = moderate; G. = great V. G. = very great. Days are reckoned from midnight to midnight.

SEISMIC DISTURBANCES RECORDED AT COLABA.

Two seismic disturbances were recorded during the month, on the 5th and the 30th.

List of seismic disturbances.

Date.	Commencement.		Max.		End.		Maximum displacement from mean position.	Duration.	
	H.	M.	H.	M.	H.	M.	in m. m.	H.	M.
December 5	12	53·5	13	59 8	13	19·3	0·3	0	25·8
„ 30	6	49·1	7	0·3	7	39·3	2·2	0	50·2

All times given above denote G.M.T.

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

CALCUTTA OBSERVATORY.

5. *List of displacements recorded by the Milne seismograph at the Alipore Observatory during December 1907.*

Date.	P. T. Commencement. G.M.T.	L. W. Commencement G. M. T.	Maximum. G.M.T.	End G.M.T.	Duration.	Maximum displacement on trace from mean position. m.m.	REMARKS.
	H. M.	H. M.	H. M.	H. M.	H. M.		
5th.	12 49·0	12 58·1	13 1·2	13 20·5	0 31·5	1·50	Sensibility 1 m.m.
„	20 26·7	20 35·9	20 36·9	20 54·3	0 27·6	0·50	
15th.	17 44·8	17 53·0	18 8·7	19 37·1	1 52·3	1·50	=0·38" of tilt.
17th	23 36·0	...	23 36·5	23 41·6	0 5·6	0·50	
25th	22 40·3	22 43·8	22 44·3	22 53·5	0 13·2	0·50	

C. W. PEAKE,
Meteorologist, Calcutta.

SIMLA OBSERVATORY.

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

Date.	Commencement of 1st P.T. G.M.T.	Commencement of 2nd P. T. G.M.T.	Beginning of L. W. G.M.T.	Time of Maximum amplitude. G.M.T.	End approximately G.M.T.	Duration.	Maximum displacement of style. m.m.	REMARKS.
	H. M.	H.M.	H. M.	H. M.	H. M.	H.M.		
4th	...	...	6 32·3 P	6 32·7 P	6 34·8 P	0 2·5	6	Local*
5th	6 13·2?	...	6 13·7 P	6 13·9 P	6 16·0 P	0 3	3	Do.
8th	...	...	...	10 35·7	...	...	1	Do.
15th	...	...	17 51	17 55·7	18 7·3	0 16·3	·5	Tremor.
17th	23 28	...	...	23 29·4	23 43·7	0 15·7	·6	Distant.
25th	...	...	22 37·8	22 39·2	22 53·7	0 16	5	Local †
30th	5 49·5	...	6 34·8	6 35·8	6 58·0	1 8·5	2	Distant.

* An earthquake was also felt at Lahore at the same time and was probably the same shock. On the 13th or by G. M. T. at 23 hrs. 10 min. on the 12th an earthquake occurred at Jaipur; its direction was from southeast to southwest, and it was strong enough to cause the doors and windows to rattle. At Dhubri on the 17th at 6 hrs. 50 min. G. M. T. and at Darjeeling on the 22nd at 23 hrs. 30 min. earthquake shocks were felt.

† This earthquake was felt over Kashmir, at Kabul and Lahore, and though not severe, affected a very wide area.

J. PATTERSON,
Imperial Meteorologist, Simla.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

7. *Solar observations.*—Observations were taken on every day except the 1st, 2nd, 15th, 19th, 20th, 21st, 23rd, 24th, 25th, 26th, 28th and 29th, groups of sunspots being seen throughout. They were especially numerous between the 6th and 15th, and faculæ were visible on each day of observation:—

Magnetic Disturbances.

Day.	Time.	Disturbance.
7th	14h to 16h ...	Decrease of H. F. (27).
7th	17h. to 19½h. ...	Wave in H. F. (−20).
8th	0h. to 6½h. ...	Three successive waves in H. F. (+9), (+10), (+15).
8th	4h. to 5h. ...	Wave in Decl (−15′).
8th	6h. to 7½h. ...	(−1·8′).
26th to 28th	22h. to 8h. ...	Occasional small fluctuations in H. F.

T. F. CLAXTON,
Director.

Weather in the Indian monsoon region.

8. Pressure was in defect at Mauritius and normal at Zanzibar and Seychelles. Winds were approximately normal in direction at all three stations, but at Mauritius they were considerably weaker than usual. Rainfall was heavy in Mauritius, and nearly normal at the other places.

—	Mauritius.	Zanzibar.	Seychelles.
Departure from normal of mean pressure	−·083	0	+·010
Actual mean wind direction ...	N 66° E	N 34° E	N 51° W
Normal mean wind direction ...	N 89° E	N 35° E	N 44° W
Actual mean wind velocity (miles per diem)	183	141	146
Normal mean wind velocity (miles per diem)	259	151	159
Rainfall departure from normal ...	+7·23	−0·25	−0·87

Depressions and cyclonic storms.

9. The depression which began to form in the southeast of the Bay on the 30th November continued to grow during the next four days by which time it had developed into a cyclonic storm of moderate intensity, but it gave no rain of any importance in its vicinity. On the 5th the storm commenced to move towards the central Madras coast which it reached on the 9th, but it filled up without passing inland. Rainfall due to it began in south Burma and the Andaman Islands on the 5th, but it ceased by next day in the former area, although rain fell in the latter up to the 8th and was at times heavy. In the Peninsula, however, the storm caused very little rain, when it neared the coast, and it was not until after the depression had disappeared that rain began to fall in south India.

The only cold weather depression that gave any precipitation in India entered the north-west on the 30th, having previously given rain along the Persian Gulf and at Ispahan and Tehran. It produced very light precipitation in Baluchistan and Afghanistan on the 29th and 30th, and in Kashmir on the 30th and 31st, but it caused no rainfall over the plains of northern India.

Pressure.

10. Pressure conditions were nearly normal over the whole of India, the only exception being a slight defect in the east of the Bay and in a strip extending across the central part of the Peninsula. The pressure distribution was thus characteristic of the cold weather season, and the barometer was highest in the north-west angle of India and lowest over the south of the Bay where weather was very much disturbed during the greater part of the month. The vertical gradients were also normal except in the north-west: the normal pressure at the level of the plains stations extended upwards to the level of the Simla and Cherat stations, but at the elevation of Leh pressure was in large excess, and the vertical gradients in this region of the atmosphere were not as steep as usual. The same characteristics prevailed over Baluchistan, where pressure was also in large excess and these conditions were in keeping with the general absence of the winter rains in northern India. The accompanying tables give the data for the 14 meteorological divisions and the character of the vertical gradient at 8 pairs of associated stations.

Division.	Departure from normal of mean 8 hrs. pressure.
	"
Burma	−·013
Eastern Bengal and Assam	−·014
Bengal	−·007
United Provinces	+·004
Punjab	+·008
North-West Frontier Province	−·009
Sind	+·007
Rajputana	+·005
Bombay	−·012
Central India	+·004
Central Provinces	−·005
Hyderabad	−·027
Mysore	−·020
Madras	−·017

Hill station.	Departure from normal pressure. A	Plain station.	Departure from normal pressure. B	Departure of pressure difference. B—A.
	"		"	"
Quetta	+·035	Jacobabad	−·001	−·036
Leh	+·040	Lahore	+·002	−·038
Murree	+·023	Peshawar	−·017	−·040
Simla	+·004	Ludhiana	+·024 ?	+·020 ?
Chakrata	+·022	Roorkee	+·020	−·002
Darjeeling	+·007	Dhubri	−·010	−·017
Mount Abu	−·001	Deesa	+·003	+·004
Pachmarhi	−·016	Khandwa	−·012	+·004

Temperature.

11. Maximum temperature was in slight defect in the south of Chota Nagpur and the interior of Orissa and also in the eastern districts of Burma, while it was in slight excess on the south of the east coast, in parts of the Punjab, the west Himalayas, Kashmir and Baluchistan; the excess, except in the first area, was chiefly owing to the abnormally dry weather and the small amount of cloud present. On the other hand the comparative absence of cloud favoured night radiation, and in consequence minimum temperature was lower than usual over northern India as far east as Bihar and the western boundary of Chota Nagpur, and as far south as Raipur and Nagpur; the deficiency exceeded 5° at a few stations in the United Provinces, Rajputana and the Punjab. In the rest of India minimum temperature was normal.

Sub-division.	Actual temperature.					Departure from normal on		
	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	83·9	75·6	79·8	8·3	16·1	−1·3	−0·8	−0·5
2. Lower Burma	83·4	66·4	75·0	17·0	32·2	−2·0	+0·3	−2·3
3. Upper Burma	79·1	57·0	68·1	22·1	38·3	−1·4	+1·6	−3·0
4. Assam	75·1	51·8	63·5	23·4	34·7	+0·3	−0·7	+1·0
5. Eastern Bengal	77·8	53·7	65·8	24·0	36·0	+1·2	−0·7	+1·9
6. Bengal	77·7	54·4	66·1	23·4	36·4	+0·8	−0·6	+1·4
7. Orissa	78·4	56·3	67·4	22·1	36·1	−1·7	−0·5	−1·2
8. Chota Nagpur	74·4	49·4	61·9	25·0	38·9	−2·0	−0·6	−1·4
9. Bihar	76·7	49·0	62·9	27·7	38·7	+1·0	−3·6	+4·6
10. United Provinces, East	76·5	44·0	60·3	32·5	45·2	+1·2	−4·1	+5·3
11. United Provinces, West	74·4	43·8	59·8	31·1	41·6	+0·6	−3·1	+3·7
12. Punjab East and North	73·0	39·2	56·1	33·8	45·4	+1·2	−3·2	+4·4
13. Punjab Southwest	74·3	40·3	57·3	34·0	47·8	+1·5	−2·8	+4·3
14. Kashmir	43·7	17·7	30·7	25·9	40·7	+3·2	−4·1	+7·3
15. North-West Frontier Province	70·5	36·7	53·6	33·8	48·5	+0·5	−2·7	+3·2
16. Baluchistan	60·7	35·1	47·9	25·6	45·5	+3·2	−2·9	+6·1
17. Sind	79·8	48·5	64·1	31·3	40·7	+1·1	−2·3	+3·4
18. Rajputana, West	78·6	45·9	62·3	32·7	43·8	−0·7	−5·1	+4·4
19. Rajputana, East	77·7	45·1	61·4	32·6	44·5	+0·5	−4·4	+4·9
20. Gujarat	84·3	54·2	69·2	30·1	39·8	+0·5	−2·5	+3·0
21. Central India, West	78·7	45·7	62·2	33·0	42·9	−0·2	−3·7	+3·5
22. Central India, East	74·7	43·3	59·1	31·4	42·2	−0·5	−3·5	+3·0
23. Berar	83·5	53·2	68·5	30·2	39·8	+0·4	−0·8	+1·2
24. Central Provinces, West	79·4	47·8	63·5	31·9	40·0	−0·2	−2·9	+2·7
25. Central Provinces, East	78·0	48·8	63·4	29·2	39·5	−0·5	−1·6	+1·1
26. Konkan	86·9	69·3	78·1	17·6	28·6	−0·2	+0·7	−0·9
27. Bombay Deccan	84·6	53·5	69·1	31·1	45·1	+0·9	−0·6	+1·5
28. Hyderabad, North	82·7	55·6	69·2	26·0	40·9	...	...	...
29. Hyderabad, South	83·7	60·2	72·0	23·5	38·9	+0·3	+0·9	−0·6
30. Mysore	81·5	59·1	70·3	22·5	35·5	+1·6	+0·4	+1·2
31. Malabar	86·4	72·1	79·2	14·4	32·9	−0·3	+0·8	−1·1
32. Madras, Southeast	85·6	69·0	77·3	16·6	32·6	+1·1	−0·3	+1·4
33. Madras Deccan	86·2	63·9	74·5	22·3	37·9	−0·2	+1·1	−1·3

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

Winds.

12. Winds were fairly normal in direction over the whole of India, but they were stronger than usual in Burma, while in the United Provinces and the North-West Frontier Province there was only about half the normal amount of air movement; in the latter province winds were very variable. In Sind and especially in Rajputana the winds were much steadier than usual, though they were of normal strength.

Division.	Departure from normal of: Hourly wind velocity.	Wind steadiness.
Burma	+ 1·3	— 6
Eastern Bengal and Assam	+ 0·2	— 14
Bengal	+ 0·1	— 2
United Provinces	— 0·8	— 4
Punjab	— 0·3	+ 2
North-West Frontier Province	— 0·9	— 12
Sind	— 1·1	+ 15
Rajputana	+ 0·6	+ 22
Bombay	— 0·9	— 4
Central India	— 0·7	+ 18
Central Provinces	+ 0·5	+ 10
Hyderabad	— 0·1	+ 11
Mysore	— 1·5	— 23
Madras	+ 1·1	— 8

Humidity and cloud.

13. As in the preceding months, relative humidity was low in the United Provinces, the Punjab, the North-West Frontier Province, Central India and the Central Provinces, the regions where the monsoon rainfall was not only deficient in amount but had ceased early; the actual amount of moisture in the air was also less than usual in these areas as well as in Rajputana, but over the rest of the country the hygrometric conditions were normal.

In the United Provinces, Rajputana, and Central India the proportion of the sky covered with cloud was only three or four per cent. of the whole expanse, being only about a quarter of the normal amount. There was also less cloud than usual in the Punjab, the North-West Frontier Province and the Central Provinces, while in Hyderabad more than the normal proportion of the sky was covered with cloud.

Division.	Hygrometry; 8 hours: 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	83	— 1	·553	+·004	3·4	+0·3
Eastern Bengal and Assam.	87	— 4	·431	—·017	2·0	—0·1
Bengal	75	— 3	·359	—·038	1·5	+0·1
United Provinces	66	—11	·238	—·075	0·3	—1·3
Punjab	63	— 9	·186	—·057	1·1	—1·3
North-West Frontier Province.	63	— 8	·167	—·044	2·2	—1·0
Sind	58	— 1	·241	—·038	0·9	—1·5
Rajputana	53	— 5	·194	—·057	0·4	—1·9
Bombay	52	— 8	·346	—·069	0·6	—0·8
Central India	54	—10	·219	—·078	0·4	—0·9
Central Provinces	53	—10	·251	—·083	0·6	—1·0
Hyderabad	56	— 6	·373	—·039	2·1	+1·0
Mysore	78	+ 1	·489	+·008	3·6	0
Madras	77	— 1	·636	—·012	3·8	+0·1

Rainfall.

14. The low pressure conditions which gave rain in the Central Provinces at the end of November were transmitted eastward, and on reaching Burma gave, in conjunction with a cyclonic storm in the south-east of the Bay, heavy and general but unseasonable rain over the whole province excluding Tenasserim, and although it was the only rainfall in Burma during the month it was sufficient to cause an excess of about 400 per cent. over the whole province.

On the 11th weather again became unsettled in the east of the Central Provinces, and as the disturbance moved eastward it caused light rain in this area, and moderately heavy rain on the north of the east coast and in northeast India, excluding Bihar and the northwest of Eastern Bengal. This was the only rainfall during the month in these areas, but it caused an excess of over 400 per cent. in Bengal and Chota Nagpur.

With the disappearance of the disturbance in north east India rainfall began in south India, and from the 13th to the 22nd good rain fell, but on the latter date rainfall ceased, and the monsoon finally withdrew from the Indian land area.

The cold weather depressions which entered northwest India failed to produce any precipitation over northwest India, the United Provinces and Central India, except in Kashmir and Baluchistan, and weather in these regions was rainless throughout the month.

Sub-division.	Number of rainy days.		Rainfall.			
	Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
			"	"	"	
1. Bay Islands	9·5	5·2	11·98	3·33	+8·65	+260
2. Lower Burma	2·0	0·3	1·51	0·16	+1·35	+844
3. Upper ,,	2·2	0·7	1·26	0·35	+0·91	+260
4. Assam	1·6	1·0	0·50	0·44	+0·06	+ 14
5. Eastern Bengal	1·5	0·3	0·44	0·18	+0·26	+144
6. Bengal	1·4	0·2	0·71	0·12	+0·59	+492
7. Orissa	1·9	0·4	0·96	0·23	+0·73	+317
8. Chota Nagpur	1·7	0·3	1·08	0·20	+0·88	+440
9. Bihar	0·2	0·3	0·07	0·13	—0·06	—46
10. United Provinces, East.	0	0·6	0	0·29	—0·29	—100
11. United Provinces, West.	0	0·9	0	0·45	—0·45	—100
12. Punjab, East and North.	0	0·9	0	0·53	—0·53	—100
13. Punjab, South-west.	0	0·5	0	0·22	—0·22	—100
14. Kashmir	0·1	2·9	0·02	1·39	—1·37	— 99
15. North-West Frontier Province.	0	1·0	0	0·49	—0·49	—100
16. Baluchistan	0·2	2·2	0·06	0·95	—0·89	— 94
17. Sind	0	0·3	0	0·11	—0·11	—100
18. Rajputana, West.	0	0·4	0	0·15	—0·15	—100
19. Rajputana, East.	0	0·9	0	0·40	—0·40	—100
20. Gujarat	0	0·1	0	0·05	—0·05	—100
21. Central India, West.	0	1·0	0	0·37	—0·37	—100
22. Central India, East.	0	0·9	0	0·45	—0·45	—100
23. Berar	0·1	0·4	0·01	0·31	—0·30	— 97
24. Central Provinces, West.	0·1	0·6	0·05	0·36	—0·31	— 86
25. Central Provinces, East.	1·0	0·4	0·60	0·23	+0·37	+161
26. Konkan	0·1	0·2	0·05	0·07	—0·02	— 29
27. Bombay Deccan	0·2	0·4	0·09	0·23	—0·14	— 61
28. Hyderabad, North.	0·8	0·7	0·36	0·41	—0·05	— 12
29. Hyderabad, South.	1·5	0·3	0·48	0·18	+0·30	+167
30. Mysore	1·3	1·1	0·54	0·59	—0·05	— 8
31. Malabar	2·4	1·7	1·50	1·20	+0·30	+ 25
32. Madras, South-east.	4·3	4·7	2·68	4·14	—1·46	— 35
33. Madras, Deccan	1·5	0·8	0·73	0·46	+0·27	+ 59
34. Madras Coast, North.	2·8	1·0	2·06	0·92	+1·14	+124

Division.	Rainfall.			
	Actual.	Normal.	Departure from normal.	Percentage departure.
	"	"	"	
Burma	1·37	0·26	+1·11	+427
Eastern Bengal and Assam	0·47	0·32	+0·15	+ 47
Bengal	0·59	0·15	+0·44	+293
United Provinces	0	0·37	−0·37	−100
Punjab	0	0·46	−0·46	−100
North-West Frontier Province	0	0·49	−0·49	−100
Sind	0	0·11	−0·11	−100
Rajputana	0	0·33	−0·33	−100
Bombay	0·05	0·14	−0·09	− 64

Division.	Rainfall.			
	Actual.	Normal.	Departure from normal.	Percentage departure.
	"	"	"	
Central India	0	0·40	−0·40	−100
Central Provinces	0·16	0·31	−0·15	− 48
Hyderabad	0·43	0·29	+0·14	+ 48
Mysore	0·54	0·59	−0·05	− 8
Madras	2·13	2·42	−0·29	− 12
Mean of India, when the size of the above areas is taken into account.	0·50	0·50	0	0

Snowfall Report.

I.—*Afghanistan.*

Kabul.—A very light snow shower occurred on the 29th in Kabul and on the surrounding hills. At the end of the month the plain of Kabul was clear of snow.

II.—*North-West Frontier Province.*

(*a*) *Dera Ismail Khan.*—A feeble snowstorm occurred on the 29th on some of the peaks of the Suleiman Range.

(*b*) *Tochi North Waziristan.*—There was a slight fall on the 29th on some of the hills in the Tochi Agency.

(*c*) *Kurram.*—Snowstorms occurred on the Sufed Koh and surrounding hills towards the close of the month: the fall extended to Parachinar on the 30th, but was small in amount.

(*d*) *Chitral.*—Light snow fell on the 28th and 29th on the top of the hills to the east, north and west of the station.

(*e*) *Kohat.*—There was a feeble snowstorm on the Samana and Zawa hills on the 29th.

(*f*) *Hazara.*—Snow fell on the Thandiani Range down to 6,000 feet on the 29th.

III.—*Kashmir.*

Leh.—Snow fell on some of the surrounding hills on the 6th and 28th.

IV.—*Punjab.*

Kilba.—No snow fell during the month.

Name of Pass.	Depth of accumulation at the end of the month.	
	Reported.	Normal.
Bupin Pass	1½ feet	5½ feet
Brua "	1½ "	4½ "
Harang "	1 foot	2 "
Shatul "	1½ feet	5 "
Buldar "	1½ "	6 "
Bunang "	1½ "	3 "

All the passes remained open.

V.—*United Provinces.*

Almora.—Snow fell on four occasions, but the falls were not heavy; the total amounted to 3½ feet on the Nuwe pass, about 2 feet on the Lampia and Lipulekh passes, and 1½ feet in Malla Johar.

Name of Pass.	Depth of accumulation at the end of the month.	
	Reported.	Normal.
Unta Dhura	7 feet	11½ feet
Relam Dhura	2½ "	9 "
Nuwe Pass	?22 "	33 "
Lipu Lekh Pass	?16 "	5 "
Lampia Pass	?13 "	3 "

Summary.

The snowfall was much lighter than usual and occurred almost solely towards the close of the month. The Winter conditions were thus late in setting in in the mountain zone to the north and west of upper India.

Crop Report.

17. *Burma.*—Crop prospects were good in Lower Burma, and generally fair in Upper Burma, though poor in parts for want of rain.

Eastern Bengal and Assam.—Prospects of standing crops were fair to good, and at the end of the month no scarcity was apprehended.

Bengal.—The prospects of the spring crop had improved in the Presidency Division and were reported to be fair in Chota Nagpur and Orissa, but in Bihar the crop was suffering greatly for want of rain. The outturn of winter rice was very poor.

United Provinces.—Rain was anxiously looked for and prices were rising in several districts. The spring crop was still being sown and irrigated and germination were good except in Dehra Dun and Garhwal.

Punjab.—The condition of irrigated crops was good to average and of unirrigated bad. The outturn of autumn crops and of toria was average to below average. Cattle were suffering, and pasturage and fodder were scarce in many parts of the province.

North-West Frontier Province.—Standing crops in unirrigated areas were poor and average in irrigated areas. Cattle were in poor condition in parts of the Dera Ismail Khan district.

Jammu and Kashmir.—Sowings of spring crops were in progress, but rain was badly wanted. Fodder was insufficient in parts and standing crops were in poor condition in unirrigated areas.

Central India.—Harvesting of autumn crops was in progress, the probable outturn being *nil* in Bundelkhand, bad in Baghelkhand and fair to good elsewhere.

Central Provinces.—Harvesting of autumn crops was almost completed. Spring crops were generally in good condition, but had suffered in parts from want of rain, frost and disease. Fodder was becoming scarce.

Bombay.—Rain was generally wanted for standing spring crops which in some parts were withering: elsewhere they were on the whole in good condition.

Hyderabad.—Rain had benefited the standing crops, and the cause for anxiety regarding them was completely removed. The season was expected to be a moderate one.

Mysore.—Standing crops were in good condition and prospects of the season were favourable, but more rain was needed in parts.

Coorg.—Agricultural prospects were good, and water and fodder were sufficient.

Madras.—The standing crops were generally in fair condition except in parts of the Circars and of the Deccan where more rain was wanted. Harvesting was in progress with poor to normal outturn.

J. PATTERSON.

Table A.—Abstract of observations taken at 10 hrs. and 16 hrs. at 36 stations in India, etc., in December 1907.

Table

Abstract of observations taken at 10 hrs. and 16 hrs., at 36

Number of sub-division	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure.						Temperature of air.										Temperature, Wet-bulb.			
			Mean of 10 hrs.	Mean of 16 hrs.	Mean daily range.	Mean of daily mean pressures.	Departure from normal.	Mean reduced to S. L. and gravity 45° Lat.	Mean maximum.	Mean minimum.	Mean daily range.	Highest maximum.	Lowest minimum.	Absolute range.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of three previous columns.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	I.—Burma.																					
2	Rangoon ...	36	29·997	29·876	·121	29·935	—·013	29·907	85·0	66·0	17·0	92·1	59·8	33·3	77·8	83·6	74·8	—0·8	65·1	68·6	70·3	66·0
	III.—Bengal.																					
6	Calcutta ...	21	30·061	·959	·122	30·014	—·014	·981	77·5	55·8	21·7	82·8	48·2	34·6	69·8	76·1	65·7	+0·4	53·8	61·1	62·7	59·2
	IV.—United Provinces of Agra and Oudh.																					
10	Allahabad ...	309	29·811	·697	·114	29·742	—·007	30·017	76·4	43·8	32·6	82·8	38·5	44·3	64·5	74·5	59·1	—1·7	41·7	52·2	56·0	50·0
11	Dehra Dun ...	2,383	27·324	27·745	·079	27·274	+·001	·041	71·5	43·5	28·0	74·6	38·6	36·0	60·2	66·8	56·6	+0·3	39·7	49·7	53·9	47·4
	V.—Punjab.																					
13	Lahore ...	702	29·431	29·317	·094	29·349	—·006	·054	74·1	38·1	36·0	81·3	32·9	48·4	58·8	72·0	53·9	—0·7	36·0	49·3	56·1	47·1
	VIII.—Rajputana.																					
19	Jaipur ...	1,431	28·678	28·580	·098	28·620	+·010	·049	77·8	45·2	32·6	85·0	39·1	45·9	68·7	75·7	60·1	—1·4	38·8	52·0	55·2	48·7
	Udaipur ...	1,925?	·166	·063	·103	·109	...	·028	77·8	43·9	33·9	88·5	39·2	49·3	68·1	76·2	60·8	...	39·4	53·2	57·5	50·0
	IX.—Bombay.																					
26	Bombay ...	37	29·998	29·887	·111	29·938	—·015	29·915	85·6	69·8	15·8	90·2	67·2	23·0	76·6	81·7	77·0	+0·6	62·6	66·1	71·2	66·6
	XI.—Central Provinces.																					
23	Buldana ...	2,132	27·933	27·820	·113	27·870	—·024	29·958	79·8	56·4	23·4	83·1	52·4	30·7	74·8	78·4	67·6	—0·6	46·3	56·2	56·6	53·1
24	Nagpur ...	1,017	·064	28·937	·127	28·996	0	·996	81·3	51·5	29·8	88·8	45·9	42·9	68·9	79·3	65·8	—1·3	47·2	56·7	60·3	54·7
	XII.—Hyderabad.																					
29	Hyderabad ...	1,690	28·347	·229	·118	·285	—·019	·940	82·0	58·8	23·2	88·1	51·0	37·1	73·9	78·5	69·6	+0·5	54·3	61·8	62·6	59·6
	XIII.—Mysore.																					
30	Bangalore ...	3,021	27·018	26·900	·118	26·960	—·022	·889	80·0	58·6	21·4	85·3	48·9	36·4	72·8	76·6	68·5	+1·0	56·6	62·7	63·3	60·9
	Mysore ...	2,518	·502	27·378	·124	27·441	—·030	·879	82·6	60·3	22·3	86·7	52·1	34·6	75·3	80·8	70·6	+0·8	57·7	63·8	64·2	61·9
	XIV.—Madras.																					
32	Periyakulam ...	944	28·953	28·831	·122	28·893	...	·774	86·4	65·8	20·6	90·9	58·1	32·8	78·4	83·5	76·0	...	63·0	69·2	69·7	67·3
	Pudukkottai ...	318	29·667	29·563	·134	29·625	...	·676	86·5	69·5	17·0	93·6	63·2	30·4	79·8	83·6	78·0	...	(a) 67·2	70·4	70·9	69·5
	Madras ...	22	30·002	·896	·104	·949	—·031	·910	82·8	69·4	13·4	86·8	61·8	25·0	79·0	80·0	75·3	—0·4	68·2	72·8	72·6	71·2
	Stations in the Bay.																					
1	Port Blair ...	61	29·899	·803	·096	·850	—·033	·843	84·6	(a) 76·0	8·6	88·2	68·4	19·8	81·9	82·3	(a) 79·5	—1·0	72·2	75·9	75·6	74·6

NOTE.—The barometric readings are not reduced to sea-level, in the cases of hill or plateau stations, the elevations of which exceed 3,200 feet.
(a) Mean of 30 days.

4.

stations in India, etc., in December, 1907.

Vapour Tension in inches of Mercury.					Humidity.					Cloud.				Wind Direction.									Wind steadiness.		Wind velocity.		Rainfall.		Station.	Number of observations.
														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 fall during the month.		
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
																															I.—Burma.	
·593	·583	·571	·595	—·057	85	61	50	72	—6	2·8	4·2	3·5	+0·6	...	17	25	16	1	3	...	...	...	N48°E	N42°E	74	61	·61	108	1·37	0·91	Rangoon	2
																															III.—Bengal.	
·393	·426	·394	·416	—·022	88	59	44	67	—4	2·0	2·2	2·1	+0·3	2	21	6	1	1	...	2	4	25	N23°W	N13°W	71	63	85	60	0·53	0·41	Calcutta	6
																															IV.—United Provinces of Agra and Oudh.	
·241	·233	·206	·234	—·007	83	38	24	54	—13	0·1	0·3	0·2	—1·3	22	3	4	3	...	...	...	19	11	N57°W	N46°W	40	27	·35	72	0	0	Allahabad	10
·190	·231	·232	·220	—·051	70	44	35	52	—11	0·8	1·4	1·1	—1·7	18	3	5	9	11	11	2	1	2	S54°E	S75°W	34	17	·15	29	0	0	Dehra Dun	11
																															V.—Punjab.	
·186	·229	·241	·217	—·054	80	46	39	54	—9	1·4	2·1	1·8	—1·0	36	5	1	1	2	1	...	13	3	N69°W	N36°W	21	21	·24	31	0	0	Lahore	13
																															VIII.—Rajputana.	
·160	·183	·186	·182	—·085	53	26	21	37	—16	0·7	0·6	0·7	—1·8	6	5	6	12	8	5	5	...	10	N71°E	N27°W	11	27	59	70	0	0	Jaipur	12
·186	·222	·242	·212	...	65	32	27	42	...	0·2	0·2	0·2	...	26	1	5	14	14	2	...	...	...	S75°E	...	45	...	·54	...	0	0	Udaipur	
																															IX.—Bombay.	
·475	·507	·631	·563	—·076	65	56	58	63	—9	0·5	0·3	0·4	—1·5	...	3	12	16	1	...	...	10	20	N2°E	N15°E	49	55	220	233	0	0	Bombay	26
																															XI.—Central Provinces.	
·191	·229	·192	·209	—·111	42	26	19	35	—17	0·6	0·8	0·7	—1·5	...	13	16	20	8	2	...	...	3	N62°E	N61°E	64	44	(a)* 181	132	0	0	Buldana	23
·279	·315	·296	·303	—·053	72	44	29	51	—3	0·4	0·2	0·3	—1·9	...	18	30	4	2	1	...	1	6	N27°E	N59°E	74	54	62*	72	0·09	0·05	Nagpur	24
																															XII.—Hyderabad.	
·377	·409	·375	·394	—·046	75	49	39	56	—5	2·9	3·0	3·0	+0·4	29	...	25	6	2	...	...	...	...	N57°E	S78°E	48	57	·55	77	0·78	0·61	Hyderabad	29
																															XIII.—Mysore.	
·443	·459	·433	·452	—·007	88	57	48	66	—4	2·8	3·9	3·4	...	...	5	24	26	3	...	...	1	3	N62°E	N72°E	76	81	166*	132	0·49	0·29	Bangalore	30
·456	·457	·400	·452	—·024	84	52	38	60	—2	4·1	3·7	3·9	—0·7	...	5	17	29	7	...	...	1	3	N71°E	N78°E	71	82	189*	247	0·41	0·15	Mysore	
																															XIV.—Madras.	
·545	·595	·546	·561	...	84	61	48	65	...	5·2	6·2	5·7	...	2	...	4	18	26	3	9	...	...	S52°E	...	66	...	32	...	1·67	0·97	Periyakulam	29
(a) ·631	·622	·589	·614	...	(a) 85	61	52	66	...	5·0	5·4	5·2	...	...	12	33	5	1	...	3	2	6	N29°E	...	68	...	282*	...	0·95	0·49	Pudukkottai	
·680	·730	·709	·725	—·004	94	73	69	81	—1	4·4	3·8	4·1	—1·4	...	38	17	3	...	...	...	...	4	N13°E	N24°E	88	81	160	175	6·49	3·46	Madras	
																															Stations in the Bay.	
(a) ·748	·823	·801	·813	—·038	(a) 83	75	73	79	—2	6·1	6·3	6·2	+1·0	2	8	21	7	17	7	...	...	...	N84°E	N57°E	55	66	287*	175	9·67	3·57	Port Blair	1

* Corrected.

Table

Abstract of observations taken at 10 hrs. and 16 hrs. at 36

Number of Station.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure.						Temperature of Air.										Temperature, Wet-bulb			
			Mean of 10 hrs.	Mean of 16 hrs.	Mean daily range.	Mean of daily mean pressures.	Departure from normal.	Mean reduced to S. L., and gravity 45° Lat.	Mean maximum.	Mean minimum.	Mean daily range.	Highest maximum.	Lowest minimum.	Absolute range.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of three previous columns.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	Kashmir.																					
14	Srinagar ...	5,204	25·089	24·974	·108	25·030	—·001	24·991	52·2	21·6	30·6	59·8	15·6	44·2	34·3	50·8	35·0	—1·3	19·8	31·8	46·8	32·8
	Leh	11,503	19·789	19·694	·095	19·736	+·037	19·704	37·4	11·2	26·2	45·6	4·4	41·2	26·6	33·8	22·4	+0·3	8·7	21·0	25·0	18·2
	Baluchistan.																					
15	Quetta ...	5,502	24·705	24·719	·076	24·745	+·031	24·705	59·6	27·0	32·6	78·3	21·2	52·1	43·7	55·3	42·5	+0·2	25·3	37·4	41·2	34·6
	Hill Stations excluding Kashmir and Baluchistan.																					
	Simla	7,234	23·200	23·153	·048	23·164	+·007	23·126	53·8	41·5	11·3	60·2	34·1	26·1	46·5	48·9	46·3	+2·9	31·5	36·0	37·2	34·9
	Sanin	...	·247	·181	·066	·203	...	...	54·8	30·4	24·4	66·3	24·9	41·4	44·4	44·0	41·8	...	...	36·1	34·0	...
	Kalabagh‖ ...	...	20·164	20·127	·037	20·135	...	...	46·4	24·2	22·2	49·4	21·9	27·5	36·1	34·6	34·4	...	...	31·0	28·0	...
	Chakrata ...	7,022	23·396	23·341	·055	23·360	+·031	·320	59·6	39·4	20·0	66·3	31·1	35·2	52·4	50·1	46·5	+2·3	32·0	40·7	39·9	37·5
	Muktesar ...	7,556	22·955	22·892	·063	22·913	...	22·879	55·4	...	...	63·0	...	...	49·3	51·1	...	...	31·2	37·8	40·3	36·4
	Katmandu ...	4,398	25·794	25·693	·101	25·741	†+·031	25·695	65·4	34·2	31·2	69·3	28·2	41·1	49·5	60·9	48·9	†—3·7	33·0	44·5	50·0	43·5
	Darjeeling ...	7,376	23·068	23·036	·047	23·057	—·001	23·012	52·5	37·5	15·0	59·6	33·2	26·4	47·8 (b)	50·4	44·1	+2·3	33·3	42·4 (b)	45·6	40·4
	Pachmarhi ...	3,536	26·586 (b)	26·507	·079	26·540	—·010	26·487	71·9	42·5	29·4	75·9	37·1	38·8	63·5	68·5	56·3	—0·8	38·4	49·5	53·2	47·0
	Mount Abu ...	3,945	·186	·118	·068	·165	+·002	·095	69·0	53·3	15·7	77·6	46·4	29·2	66·1	65·8	59·8	—0·1	42·2	48·7	49·5	46·8
	Chikalda ...	3,642	·471	·377	·094	·417	—·034	·361	74·4	53·4	21·0	78·7	49·8	28·9	67·0	70·0	63·0	+0·1	45·5	52·9	55·2	51·2
	Ootacamund ...	7,332	23·087	23·016	·071	23·049	...	23·034	62·8	43·4	19·4	68·5	38·9	34·6	59·3	57·5	52·3	...	40·7	50·0	51·5	47·4
	Kodaikanal ...	7,689	22·855	22·797	·058	22·819	...	·757	61·6	46·9	14·7	67·7	40·8	26·9	51·4	56·8	54·2	...	40·6	49·3	52·0	47·3
	Dodabetta ...	8,589?	·070	·009	·061	·036	...	21·972	56·5	45·9	10·6	62·7	39·8	22·9	54·0	53·2	50·3	...	40·6 (c)	46·6	47·4	44·9
	Extra India.																					
	Minicoy ...	7	29·960	29·909	·050	29·953	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Zanzibar ...	72	·988	·930	·118	·983	0	29·981	86·7	72·3	7·4	88·0	75·1	12·9	83·4	86·2	82·2	+0·3	74·5	77·2	77·5	76·4
	Diego Garcia ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Seychelles ...	15	·990	·893	·088	·946	†+·010	·885	82·9	70·6	6·3	85·9	74·2	11·7	80·9	81·3	78·6	†+0·7	71·6	75·7	75·6	74·3
	Mauritius ...	181	...	...	...	·789	—·033	·915	...	...	...	90·3	69·2	21·1	...	...	78·7	+0·7	...	...	...	74·2

N.B.—Elevations in italics indicate barometric determinations.
NOTE.—The barometric readings are not reduced to sea-level, in the cases of hill or plateau stations, the elevations of which exceed 5,000 feet.
(b) Mean of 28 days.
(c) Mean of 30 days.
‖ Observations of 5 days.

A—*concld.*

stations in India, etc, in December, 1907.

Vapour tension in inches of mercury.					Humidity.					Cloud.				Wind direction.										Normal mean wind direction of month.	Wind steadiness.		Wind velocity.		Rainfall.		Station.	Number of sub-districts.
														Total number of 10 hrs. and 16 hrs. winds from																		
From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean 10 hrs.	Mean 16 hrs.	Mean of two previous columns.	Departure from normal.	Calm.	N.	N. E.	E.	S. E.	S.	S. W.	W.	N. W.	Mean wind direction.		Average percentage.	Normal percentage.	Mean velocity in miles per diem.	Normal.	Total rainfall for the month.	Heaviest rainfall during the month.		
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
																															Kashmir.	
·093	·163	·231	·169	—·007	76	76	74	75‡	—6	2·4	3·0	2·7	—2·4	25	5	3	2	6	3	2	4	12	N38°W	S6°E	14	3	60*	62	0·03	0·03	Srinagar	14
·047	·071	·068	·063	—·011	63	48	35	53	—8	3·4	3·8	3·6	—2·3	...	2	6	1	3	31	16	...	2	S8°W	S18°W	60	40	67	31	0	0	Leh	
																															Baluchistan.	
·122	·106	·119	·119	—·039	33	33	29	51	—10	1·3	1·6	1·5	—1·7	40	4	...	...	2	1	1	3	11	N50°W	N63°W	21	24	28*	55	0·19	0·10	Quetta	16
																															Hill Stations excluding Kashmir and Baluchistan.	
·081	·084	·101	·094	—·045	32	25	30	32	—16	2·0	2·7	2·4	—·6	7	19	4	1	...	24	7	...	...	S23°W	S12°E	13	7	118*	96	0	0	Simla	
...	·138	·097	...	...	...	48	35	...	...	1·3	2·4	1·9	...	20	...	1	1	1	18	20	1	...	S21°W	...	...	56	...	90*	...	0	0	Sarian	
...	·134	·101	...	...	...	61	51	...	...	4·6	5·8	5·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Kalabagh	
·110	·135	1·41	·134	—·020	47	35	39	43	—11	1·7	2·3	2·0	—1·1	11	2	...	...	18	23	4	3	1	S10°E	S51°W	58	16	164*	120	0	0	Chakrata	
...	·111	·142	...	...	...	32	38	...	...	1·4	2·3	1·9	...	39	...	...	2	2	3	1	15	...	S67°W	...	...	21	...	92*	...	0·03	0·03	Muktesar	
·177	·238	·239	·220	—·048	89	67	44	70	—5	0·5	0·2	0·4	—2·2	...	2	...	19	...	1	...	38	2	N83°W	N72°W	34	43	14	22	0	0	Katmandu	
·150	·221	·259	·215	+·008	67	67	68	70	—10	2·8	3·8	3·3	—1·1	19	2	1	...	5	...	9	12	14	N84°W	N48°W	39	5	67*	70	0	0	Darjeeling	
·190	(b) ·197	·231	·211	—·071	69	(b) 34	33	52	—9	0·1	0	0·1	—2·1	9	9	12	7	6	...	3	1	12	N25°E	N27°E	31	20	48*	65	0	0	Pachmarhi	
·156	·145	·174	·164	—·057	39	23	27	37	—11	0·3	0·1	0·2	—1·6	6	7	18	...	7	9	7	2	6	N52°E	N	13	10	77*	98	0	0	Mount Abu	
·218	·241	·268	·247	—·060	53	36	37	49	—8	0·5	0·6	0·6	—1·7	4	3	2	...	9	9	25	...	10	S39°W	S75°W	43	7	164*	120	0	0	Chikalda	
·236	·269	·323	·280	...	80	55	68	67	...	3·6	3·9	3·8	...	1	12	14	19	9	1	...	2	4	N61°E	...	56	...	112*	...	1·18	0·46	Ootacamund	
·210	·276	·343	·277	...	64	60	75	66	...	4·3	6·0	5·2	...	...	13	9	7	10	5	1	3	14	N23°E	...	29	...	324	...	1·97	0·66	Kodaikanal	
(c) ·205	·246	·281	·248	...	(c) 64	60	72	64	...	4·4	5·2	4·8	...	...	28	17	10	5	...	...	1	6	N30°E	...	66	...	425*	...	1·40	0·44	Dodabetta	
																															Extra India.	
...	...	...	...	...	...	...	...	...	...	2·8	3·5	3·2	...	...	15	23	18	...	...	...	1	5	N40°E	...	74	...	107*	...	1·87	0·98	Minicoy	
·794	·850	·828	·833	—·030	79	74	66	74	—4	6·1	2·7	4·4	—0·2	2	23	11	12	5	2	1	4	2	N34°E	N35°E	50	65	141*	151	5·46	1·38	Zanzibar	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Diego Garcia	
·717	·825	·817	·811	—·021	78	78	76	79	—4	6·1	6·8	6·4	—0·4†	12	3	4	2	5	2	1	11	22	N51°W	N44°W	39	55	144	150	14·49	3·65	Seychelles	
...	...	...	·763	+·067	...	...	...	78	+7	...	...	6·8	+0·7	...	...	...	...	...	...	...	...	...	N66°E	N89°E	...	...	183	259	12·12	3·38	Mauritius	

* Corrected.
† Departures from old normals.
‡ Mean of three previous columns.
(b) Mean of 28 days.
(c) Mean of 26 days.

Table B.—Abstract of observations taken at 8 hrs. at 236 stations in India, etc., in December 1907.

(1) Provincial means.

(2) Data of stations.

(1) Provincial means based on the material in Table B, (2) except that the statement of rainfall depends on the complete data of about 2,500 stations.

	Pressure departure from normal.	Temperature of air.								Wind.		Hygrometry.				Cloud.		Rainfall.		
		Mean maximum.	Departure from normal.	Mean minimum	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Absolute range during month	Departure of velocity from normal.	Departure of steadiness from normal.	Mean humidity.	Departure from normal.	Mean vapour tension.	Departure from normal.	Mean cloud amount.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.
	"	°	°	°	°	°	°	°	°					"	"			"	"	"
Burma	—·013	81·3	—1·8	61·7	+0·8	71·5	—0·5	19·6	35·2	+1·3	— 6	83	— 1	·553	+·004	3·4	+0·3	1·37	0·26	+1·11
Eastern Bengal and Assam	—·014	77·0	+1·0	53·2	—0·7	65·1	+0·2	23·8	35·6	+0·2	—14	87	— 4	·431	—·017	2·0	—0·1	0·47	0·32	+0·15
Bengal	—·007	77·0	—0·4	51·9	—1·2	64·5	—0·8	25·0	37·6	+0·1	— 2	75	— 3	·359	—·038	1·5	+0·1	0·59	0·15	+0·44
United Provinces of Agra and Oudh.	+·004	75·3	+0·9	43·6	—3·6	59·5	—1·4	31·8	43·2	—0·8	— 4	66	—11	·238	—·075	0·3	—1·3	0	0·37	—0·37
Punjab	+·008	73·4	+1·3	39·5	—3·1	56·4	—0·9	33·9	46·1	—0·3	+ 2	63	— 9	·186	—·057	1·1	—1·8	0	0·46	—0·46
North-West Frontier Province	—·009	70·5	+0·5	36·7	—2·9	53·6	—1·2	33·8	48·5	—0·9	—12	63	— 8	·167	—·044	2·2	—1·0	0	0·49	—0·49
Sind	+·007	79·8	+1·1	48·5	—2·3	64·1	—0·6	31·3	40·7	—1·1	+15	58	— 1	·241	—·038	0·9	—1·5	0	0·11	—0·11
Rajputana	+·005	78·0	—0·1	45·4	—4·7	61·8	—2·4	32·6	44·2	+0·6	+22	53	— 5	·194	—·057	0·4	—1·9	0	0·33	—0·33
Bombay	—·012	85·0	+0·4	57·8	—0·9	71·4	—0·2	27·3	38·5	—0·9	— 4	52	— 8	·346	—·069	0·6	—0·8	0·05	0·14	—0·09
Central India	+·004	76·7	—0·3	44·5	—3·6	60·6	—2·0	32·2	42·5	—0·7	+18	54	—10	·219	—·078	0·4	—0·9	0	0·40	—0·40
Central Provinces	—·005	79·8	—0·1	49·0	—2·2	64·5	—1·2	30·8	39·8	+0·5	+10	53	—10	·251	—·083	0·6	—1·0	0·16	0·31	—0·15
Hyderabad	—·027	83·2	+0·3	58·7	+0·9	71·0	+0·6	24·6	39·4	—0·1	+11	56	— 6	·373	—·039	2·1	+1·0	0·43	0·29	+0·14
Mysore	—·020	81·5	+1·4	59·1	+0·4	70·3	+0·9	22·5	35·8	—1·5	—23	78	+ 1	·489	+·008	3·6	0	0·54	0·59	—0·05
Madras	—·017	84·9	0	68·0	+0·1	76·4	+0·1	16·9	28·6	+1·1	— 8	77	— 1	·636	—·012	3·8	+0·1	2·13	2·42	—0·29

Table

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

Number of sub-division.	Stations.	Elevation of bar. cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.											
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	I.—Burma.																						
2	Mergui	119	29·875	—·004	29·928	29·924	29th	29·795	3rd & 4th.	·129	75·3	85·5	—1·8	68·2	+1·5	76·9	—0·2	17·3	90·4	31st	59·9	23rd	30·5
	Tavoy	19	29·997	—·009	29·949	30·054	23rd	29·905	4th	·149	71·6	86·2	—1·5	64·1	—0·7	75·2	—1·1	22·1	93·0	31st	53·8	23rd	39·2
	Moulmein	94	29·937	—·005	29·971	30·016	23rd	29·836	4th	·180	71·6	85·9	—1·3	66·7	—0·2	76·3	—0·8	19·2	91·5	29th, 30th & 31st.	53·8	22nd	37·7
	Rangoon	36	29·984	—·016	29·957	30·046	21st	29·851	3rd	·195	71·2	84·9	—2·4	68·0	+0·7	76·5	—0·9	16·9	90·6	31st	58·9	23rd	31·7
	Bassein	277	29·991	—·016	29·956	30·060	21st	29·847	3rd	·213	68·7	83·0	—1·4	65·5	+0·4	74·3	—0·5	17·5	88·7	2nd, 3rd & 4th.	55·4	24th	33·3
	Diamond Island	41	29·953	—·033	29·930	30·018	24th	29·782	3rd	·236	74·7	81·3	—2·6	71·5	—0·7	76·4	—1·7	9·8	85·4	3rd & 31st.	65·2	23rd	20·2
	Toungoo	183	29·852	—·007	29·963	29·928	23rd	29·723	4th	·205	66·4	81·1	—2·9	62·6	+0·5	71·9	—1·2	18·5	89·4	1st	51·6	25th	37·8
	Kyaukpyu	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...
	Akyab	20	30·002	—·029	29·965	30·072	24th	29·893	4th	·179	66·8	79·6	—2·1	64·6*	+0·6	72·1*	—0·8	15·0	85·4	12th	58·3	23rd, 26th & 27th.	27·1
3	Thayetmyo	121	29·937	+·001?	30·004	30·010	23rd	29·798	3rd	·212	67·3	83·9	—0·7	60·4	+2·1	72·2	+0·7	23·5	91·0	3rd	47·9	26th	43·1
	Minbu	165	29·893	—·025	30·010	29·976	23rd	29·757	3rd	·219	66·7	82·4	—1·6	62·9	+2·9	72·7	+0·7	19·5	88·7	1st	52·1	25th	36·6
	Yamethin	657	29·380	—·018	30·016	29·435	29th	29·253	3rd	·182	64·8	82·1	—2·9	56·6	—0·6	69·4	—1·8	25·5	90·3	1st & 19th.	50·0	25th & 26th.	40·3
	Mandalay	250	29·814	—·005	30·024	29·889	14th	29·679	3rd	·210	65·9	83·1	+0·8	61·0	+1·7	72·1	+1·3	22·1	92·0	1st	51·3	24th	40·7
	Monywa	280	29·831	...	30·050	29·893	14th	29·712	3rd	·181	64·0	80·4	...	60·5	...	70·5	...	19·9	87·8	1st & 2nd.	53·6	26th	34·2
	Lashio	3,751	27·243	—·012	27·189	27·331	21st	27·085	3rd	·246	53·5	72·1	—1·6	48·8	+0·9	60·5	—0·4	23·3	79·0	1st	38·0	24th	41·0
	Bhamo	351	29·722	+·012	30·081	29·795	6th	29·588	3rd	·212	56·5	73·7	—2·6	53·1	+2·4	63·4	—0·1	20·6	81·9	1st	46·1	25th & 26th.	35·8
	Myitkyina	458	29·630	...	30·073	29·688	5th	29·510	3rd	·178	59·3	75·2	...	52·8	...	64·0	...	22·4	81·7	1st	47·1	7th, 25th & 27th.	34·6
	II.—Eastern Bengal and Assam.																						
4	Dibrugarh	363	29·746	...	30·084	29·841	14th	29·621	3rd	·220	53·0	74·1	...	50·2	...	62·2	...	23·9	79·9	2nd	45·6	28th	34·3
	Sibsagar	333	29·808?	+·023?	30·121?	29·999	14th	29·688	3rd	·221	55·2	71·8	+0·3	49·0	—1·7	60·4	—0·7	22·8	77·6	1st	44·2	27th & 29th.	33·4
	Tezpur	253	29·846	...	30·073	29·931	14th	29·733	3rd	·198	54·2	74·4	...	52·1	..	63·3	...	22·3	81·1	1st & 2nd.	46·9	16th	34·2
	Gauhati	195	29·916	...	30·081	29·967	14th	29·817	3rd	·170	55·1	75·8	...	49·7	...	62·8	...	26·1	81·0	1st	45·1	27th & 28th.	35·9
	Dhubri	115	29·972	—·010	30·050	30·041	14th	29·867	3rd	·174	58·9	74·4	+0·1	55·1	0	64·7	+0·1	19·3	80·2	1st & 2nd.	50·3	13th	29·9
	Silchar	104	29·969	—·012	30·032	30·037	23rd	29·878	3rd	·159	59·8	80·3	+0·6	54·5	—0·5	67·4	+0·1	25·8	86·5	11th & 13th.	46·3	26th	40·2
5	Cox's Bazar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Chittagong	87	29·958	—·018	29·998	30·038	24th	29·876	3rd & 4th.	·162	63·2	80·0	+1·9	58·0	0	69·0	+1·0	22·0	86·6	12th	49·4	27th	37·2
	Noakhali	43	30·006	...	29·998	30·066	24th	29·915	4th	·151	61·9	78·1	...	55·7	...	66·9	...	22·4	84·3	11th	47·9	26th & 27th.	36·4
	Barisal	13	30·050	—·014	30·009	30·113	24th	29·961	3rd	·152	64·5	78·6	+1·0	56·4	+0·3	67·5	+0·7	22·2	84·8	11th	48·1	26th	36·7
	Comilla	36	30·023	...	30·008	30·083	24th	29·928	4th	·155	61·3	80·3	...	54·7	...	67·5	...	25·6	87·3	11th	47·3	26th	40·0
	Narayanganj	26	30·033	—·013	30·008	30·096	24th	29·949	3rd	·147	60·0	78·3	+0·3	56·4	—0·9	67·4	—0·3	21·9	83·5	1st & 11th.	49·8	26th	33·7
	Faridpur	46	30·026	...	30·024	30·093	23rd & 24th.	29·936	3rd	·157	66·2	77·4	...	53·1	...	65·3	...	24·3	82·3	1st & 6th.	46·9	26th	35·4
	Sirajganj	49	30·032	...	30·033	30·094	24th	29·937	3rd	·157	57·7	77·0	...	53·7	...	65·4	...	23·3	81·8	1st	47·8	26th	34·0
	Mymensingh	63	30·014	—·013	30·033	30·085	24th	29·922	3rd	·163	61·3	78·3	+2·1	54·4	—0·2	66·4	+1·0	23·9	83·1	6th & 11th.	49·1	26th	34·0
	Bogra	75	30·001	—·013	30·032	30·072	23rd	29·900	3rd	·172	58·7	77·8	+0·9	52·5	—1·5	65·2	—0·3	25·3	82·2	1st	46·2	26th	36·0
	Rampur Boalia	70	30·010	...	30·033	30·088	23rd	29·895	3rd	·193	58·8	77·8	...	53·0	...	65·4	...	24·8	84·1	1st	47·1	26th	37·0
	Malda	73	30·001	...	30·030	30·077	23rd	29·898	3rd	·179	57·7	75·5	...	52·0	...	63·8	...	23·5	80·3	1st	44·5	25th	35·8
	Dinajpur	123	29·953	—·017	30·040	30·035	14th	29·872	3rd	·163	56·4	77·7	+0·8	49·7	—1·7	63·7	—0·5	28·0	82·3	1st	42·5	25th	39·8
	Rangpur	123	29·954*	...	30·050*	30·034	11th	29·871	3rd	·153	59·2	76·6*	...	52·5	...	64·6*	...	24·1	82·1	1st	45·6	25th	36·5
	Jalpaiguri	284	29·799	—·016	30·057	29·876	14th & 23rd.	29·681	3rd	·195	56·5	76·8	+1·6	52·3	—0·6	64·6	+0·5	24·5	82·1	1st	46·6	24th	35·5
	Cooch Behar	158	29·945	...	30·067	30·031	14th	29·831	3rd	·200	56·1	76·4	...	51·7	...	64·1	...	24·7	80·8	1st	48·6	25th	32·2

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

* Mean of 30 days.

B.

stations in India, etc., in December 1907.

Wind direction. Number of winds from									Wind velocity.			Wind steadiness.		Hygrometry, 8 hrs.				Cloud.		Rainfall.								Highest rainfall during month.	Station.
Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Mean velocity, miles per hour.	Normal.	Departure from normal.	Actual percentage.	Departure from normal.	Mean humidity at 8 hours.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Mean cloud amount at 8 hrs.	Departure from normal.	Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st to 31st December 1907.	Normal rainfall for period, 1st to 31st December.	Departure from normal of period, 1st to 31st December 1907.		
26	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																I.—Burma.
12	7	5	2	...	3	1	1	...	N 27° E	N 14°E	1·7	1·8	−0·1	23	−42	77	+3	·670	+·004	2·5	−0·9	0	0·70	−0·70	0	0·38	−0·38	0	0·38	−0·38	0	Morgui.
31	...	...	...	...	...	...	...	...	(a)	N 30°E	1·2	1·2	0	...	...	79	−2	·632	−·027	2·2	−0·5	0	0·20	−0·20	0	0·06	−0·06	0	0·06	−0·06	0	Tavoy.
5	6	6	2	4	2	1	4	1	N 34° E	N 50°E	4·7	2·7	+2·0	23	−34	80	−3	·630	−·015	1·4	−1·1	1	0·20	+0·80	0·15	0·05	+0·10	0·15	0·05	+0·10	0·15	Moulmein.
2	9	14	6	...	...	...	...	...	N 40° E	N 44°E	5·6	4·5	+1·1	79	+7	76	−7	·592	−·027	3·1	+0·8	2	0·40	+1·60	1·37	0·09	+1·28	1·37	0·09	+1·28	0·91	Rangoon.
3	2	16	6	...	1	...	...	3	N 47° E	N 40°E	6·1*	3·5	+2·6	66	+1	81	−4	·579	−·026	2·2	−0·7	2	0·50	+1·50	3·23	0·13	+3·09	3·23	0·13	+3·09	2·33	Bassein.
1	2	23	5	1	...	...	...	...	N 52° E	N 42°E	15·5	8·9	+6·6	89	+3	80	+6	·697	+·030	3·4	0	4	0·90	+3·10	4·84	0·70	+4·14	4·84	0·70	+4·14	2·62	Diamond Island.
23	2	...	...	...	...	...	...	6	N 34° W	N 10°W	1·8†	2·1	−0·3	23	−49	94	+5	·626	+·061	2·7	+0·4	3	0·40	+2·60	2·18	0·17	+2·01	2·18	0·17	+2·01	1·55	Toungoo.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Kyaukpyu.
2	11	15	2	...	...	...	...	1	N 28° E	N 18°E	2·9 S	2·4	+0·5	82	0	92	+3	·612	+·040	3·2	+0·9	4	0·70	+3·30	3·03	0·70	+2·33	3·03	0·70	+2·33	1·45	Akyab.
...	13	10	...	1	1	...	...	6	N 9° E	N 16°E	6·3	3·6	+2·7	79	+25	74	−3	·505	+·011	3·6	+1·9	1	0·40	+0·60	1·60	0·15	+1·45	1·60	0·15	+1·45	1·57	Thayetmyo.
1	6	...	...	...	1	1	3	19	N 44° W	N 50°W	...	6·9	...	79	+5	72	−5	·482	−·012	3·5	+1·4	1	0·30	+0·70	0·38	0·63	−0·25	0·38	0·63	−0·25	0·36	Minbu.
4	14	1	...	...	...	...	...	12	N 18° W	N 13°W	3·0	3·4	−0·4	82	+41	81	−3	·504	−·003	5·2	+4·1	1	0·70	+0·30	1·09	0·49	+0·60	1·09	0·49	+0·60	1·04	Yamethin.
31	...	...	...	...	...	...	...	...	(a)	N 4°W	3·4	1·9	+1·5	...	...	81	−6	·521	−·013	2·6	+0·2	2	0·70	+1·30	1·22	0·29	+0·93	1·22	0·29	+0·93	0·70	Mandalay.
9	...	1	...	...	...	...	6	15	N 55° W	...	2·3 S	...	...	62	...	84	...	·509	...	3·7	...	2	0·30	+1·70	0·87	0·15	+0·72	0·87	0·15	+0·72	0·51	Monywa.
24	...	2	1	...	...	...	1	3	N 11° W	...	2·5	...	...	13	...	91	−2	·385	+·002	4·8	−1·5	2	...	...	3·39	0·66	+2·73	3·39	0·66	+2·73	2·11	Lashio.
28	...	3	...	...	...	...	...	...	N 45° E	N 1°E	1·3 S	1·6	−0·3	10	−19	97	+4	·448	+·026	3·1	−0·6	4	1·00	+3·00	2·28	0·43	+1·86	2·28	0·43	+1·86	1·01	Bhamo.
31	...	...	...	...	...	...	...	...	(a)	...	5·8	...	. .	...	...	91	...	·462	...	6·8	...	2	...	...	1·05	...	...	1·05	...	...	0·80	Myitkyina.
																																II.—Eastern Bengal and Assam.
31	...	...	...	...	...	...	...	...	(a)	...	0·1	...	...	...	...	94	...	·377	...	4·2	...	1	1·40	−0·40	0·25	0·76	−0·51	0·25	0·76	−0·51	0·17	Dibrugarh.
26	...	1	...	...	1	1	...	2	N 72° W	N 63°E	1·2	1·6	−0·4	5	−24	94	−5	·415	−·003	4·3	−1·0	2	1·90	+0·10	0·43	0·57	−0·14	0·43	0·57	−0·14	0·30	Sibsagar.
4	2	15	9	...	...	...	1	...	N 56° E	...	3·2	...	...	76	...	92	...	·386	...	1·0	...	1	1·00	0	0·79	0·43	+0·36	0·79	0·43	+0·36	0·76	Tezpur.
23	3	4	...	...	...	1	...	...	N 23° E	...	1·9	...	...	20	...	97	...	·426	...	6·9	...	1	0·70	+0·30	0·28	0·24	+0·04	0·28	0·24	+0·04	0·11	Gauhati.
2	1	1	27	...	...	...	...	...	N 87° E	N 54°E	9·1	4·6	+4·5	92	+20	89	−2	·448	+·001	0·8	−0·8	0	0·20	−0·20	0	0·07	−0·07	0	0·07	−0·07	0	Dhubri.
31	...	...	...	...	...	...	...	...	(a)	S 81°E	0·7	1·5	−0·8	...	...	86	−4	·451	−·021	1·9	−2·1	3	0·80	+2·20	1·65	0·46	+1·19	1·65	0·46	+1·19	0·72	Silchar.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Cox's Bazar.
...	6	17	1	...	...	...	1	6	N 19° E	N 32°E	3·1	2·8	+0·3	79	+5	87	−3	·506	−·007	1·9	−0·6	3	0·81	+1·19	0·71	0·85	−0·14	0·71	0·85	−0·14	0·40	Chittagong.
7	10	11	...	...	...	...	...	3	N 17° E	...	2·2	...	...	68	...	86	...	·476	...	1·7	...	0	0·48	−0·48	0·05	0·38	−0·33	0·05	0·38	−0·33	0·03	Moukhali.
16	7	3	...	1	...	...	...	4	N	N 11°E	1·1	1·6	−0·5	36	+18	83	−4	·502	−·005	1·1	−0·1	0	0·52	−0·52	0	0·60	−0·60	0	0·60	−0·60	0	Barisal.
28	3	...	...	...	...	...	...	...	N	...	0·9	...	...	10	...	90	...	·493	...	1·5	...	1	0·45	+0·55	0·37	0·22	+0·15	0·37	0·22	+0·15	0·28	Comilla.
18	...	5	...	...	...	...	...	7	N 9° W	N 5°W	1·3	2·1	−0·8	27	−20	86	−1	·452	−·034	2·6	+0·3	1	0·44	+0·56	0·70	0·16	+0·54	0·70	0·16	+0·54	0·70	Narayanganj.
10	18	...	...	...	1	...	...	2	N 3° W	...	1·4	...	...	58	...	86	...	·456	...	1·1	...	2	0·26	+1·74	0·64	0·08	+0·56	0·64	0·08	+0·56	0·48	Faridpur.
27	...	...	3	...	1	...	...	...	S 72° E	...	1·0	...	...	32	...	91	...	·439	...	1·0	...	0	0·39	−0·39	0·06	0·11	−0·05	0·06	0·11	−0·05	0·04	Sirajganj.
27	...	...	1	...	...	1	...	2	N 57° W	N 36°E	0·6	1·0	−0·4	3	−29	84	−7	·457	−·012	3·7	+2·2	1	0·26	+0·74	0·41	0·05	+0·36	0·41	0·05	+0·36	0·34	Mymensingh.
27	...	3	...	...	...	...	1	...	N 27° E	N 1°W	1·2	1·4	−0·2	10	−35	80	−5	·399	−·032	0·9	+0·7	2	0·23	+1·77	0·26	0·02	+0·24	0·26	0·02	+0·24	0·14	Begun.
31	...	...	...	...	...	...	...	...	(a)	...	1·3 S	...	...	...	...	79	...	·401	...	0·8	...	2	0·22	+1·78	0·40	0·06	+0·34	0·40	0·06	+0·34	0·34	Rampur Boalia.
4	12	1	...	...	1	...	...	13	N 23° W	...	3·7	...	...	74	...	84	...	·404	...	1·1	...	1	0·19	+0·81	0·21	0·24	−0·03	0·21	0·24	−0·03	0·16	Malda.
11	2	3	5	...	...	...	2	3	N 34° E	N 12°W	2·1	1·9	+0·2	40	−14	7	+1	·403	−·007	1·5	+0·3	0	0·32	−0·32	0·07	0·04	+0·03	0·07	0·04	+0·03	0·07	Dinajpur.
13	...	10	6	...	...	1	...	1	N 63° E	...	0·8	...	...	48	...	81	...	·412	...	1·0	...	0	0·23	−0·23	0·05	0·09	−0·04	0·05	0·09	−0·04	0·05	Rangpur.
26	1	3	3	...	...	...	...	...	N 54° E	N 12°E	1·1	...	...	10	−44	82	−7	·383	−·049	1·0	0	1	0·23	+0·77	0·17	0·04	+0·13	0·17	0·04	+0·13	0·14	Jalpaiguri.
26	1	1	3	...	...	...	...	...	N 63° E	...	1·3	...	...	13	...	81	...	·365	...	2·1	...	1	0·27	+0·73	0·23	0·08	+0·15	0·23	0·08	+0·15	0·19	Cooch Behar.

* Mean of 29 days.
† Mean of 20 days.
S Uncorrected.
(a) Indeterminate.

Table

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

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.
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.																						
Saugor Island	25	30·045	—·021	30·015	30·107	24th	29·949	3rd	·158	63·5	78·2	+1·9	59·3	+0·2	68·8	+1·1	15·9	86·0	2nd	54·0	24th, 26th & 27th	32·0
Midnapore	149	29·926	...	30·031	29·991	24th	29·840	3rd	·151	60·3	78·7	...	55·7	...	67·2	...	23·0	88·3	1st	49·7	26th & 27th	38·6
Calcutta	21	30·062	—·011	30·030	30·128	24th	29·977	3rd	·151	59·9	77·6	+1·1	55·8	—0·2	66·7	+0·5	21·8	83·1	1st	48·2	26th	34·9
Jessore	33	30·043	—·007	30·024	30·106	24th	29·958	3rd	·148	58·4	76·9	—0·7	53·6	—1·3	65·3	—1·0	23·3	82·5	1st & 2nd	46·2	26th and 27th	36·6
Krishnagar	47	30·030‖	...	30·029‖	30·093	11th	29·955	3rd	·138	57·7	78·2	...	52·2	...	65·2	...	26·0	84·7	1st	46·0	26th	38·7
Burdwan	99	29·998	—·014	30·040	30·048	23rd and 24th	29·898	3rd	·150	59·0	78·6	+0·4	55·8	—0·2	67·2	+0·1	22·8	84·9	1st	50·3	27th	34·6
Bankura	313	29·761	...	30·043	29·825	23rd	29·675	3rd	·150	59·4	77·5	...	54·5	...	66·0	...	23·0	86·1	1st	48·7	27th	37·4
Raniganj	334	29·757	...	30·068	29·826	23rd	29·675	3rd	·151	56·4	78·0	...	52·5	...	65·3	..	25·5	84·5	1st	47·0	27th	37·5
Berhampore	67	30·023	—·007	30·043	30·094	24th	29·933	3rd	·161	57·5	77·7	+1·2	53·3	—1·5	65·8	—0·2	23·9	83·3	1st	48·2	26th	35·1
Naya Dumka	489	29·594*	...	30·075*	29·860	24th	29·511	3rd	·149	58·8	76·0	...	50·4	...	63·2	...	25·6	82·4	1st	44·0	27th	38·4
Balasore	50	30·041	—·016	30·039	30·109	23rd	29·950	3rd	·159	60·4	79·1	—0·9	55·5	+0·5	67·3	—0·2	23·6	84·9	1st	49·8	27th & 28th	35·1
False Point	21	30·060	—·012	30·023	30·129	26th	29·963	3rd	·166	62·6	77·1	—0·8	55·7	—1·6	66·4	—1·2	21·4	85·1	1st	46·6	28th	38·5
Cuttack	80	30·009	—·003	30·037	30·087	23rd	29·907	3rd	·180	62·2	79·2	—2·9	57·9	—0·8	68·5	—1·9	21·3	88·4	1st	51·2	28th	35·2
Puri	24	30·061	...	30·025	30·138	23rd	29·959	8th	·179	64·4	79·5	...	60·5*	...	70·0*	...	19·0	86·6	1st	54·6	28th	32·0
Angul	455	29·617	...	30·059	29·689	23rd	29·537	3rd	·152	60·2	77·8	...	54·3	...	66·1	...	23·5	86·1	1st	46·0	28th & 29th	38·1
Sambalpur	486	29·613	+·003	30·078	29·703	23rd	29·503	1st	·200	59·6	77·6	—2·2	54·0	0	65·8	—1·1	23·6	85·6	1st	48·1	29th	37·5
Chaibassa	760	29·328§	—·010§	30·068§	29·398	29th	29·275	3rd	·123	53·5	76·6	—3·1	51·7	—0·7	64·2	—1·9	24·9	86·3	1st	45·2	26th	41·1
Ranchi	2,128	27·906	+·001	30·021	27·982	23rd	27·827	3rd	·155	55·9	71·4	—2·3	50·4	—0·2	60·9	—1·3	21·0	81·2	1st	45·4	3rd	35·8
Purulia	*816*	29·237	...	30·056	29·302	11th	29·159	3rd	·143	54·7	76·4	...	52·4*	...	64·3*	...	24·0	85·5	1st	47·6	28th	37·9
Hazaribagh	1,993	28·026	—·002	30·078	28·097	23rd	27·946	3rd	·151	58·1	71·5	—0·7	49·5	—1·0	60·5	—0·9	22·0	79·7	1st	44·3	27th	35·4
Daltonganj	730	29·369*	..	30·119*	29·447	23rd	29·269	4th	·178	48·6	76·0	...	43·1	...	59·5	...	33·9	81·5	1st	37·0	28th & 29th	44·5
Purnea	123	29·969	—·004	30·060	30·050	14th	29·867	3rd	·183	51·6	76·4	+0·6	47·2*	—2·5	61·9*	—1·0	29·2	81·2	1st	41·7	25th	39·5
Bhagalpur	160	29·951	...	30·072	30·032	14th	29·835	3rd	·197	60·3	77·1	...	50·3	...	63·7	...	26·8	83·2	1st	43·3	27th	38·9
Monghyr	155	29·949	...	30·066	30·021	14th	29·845	3rd	·176	59·0	75·8	...	52·3	...	64·1	...	23·5	80·4	1st	47·9	14th, 27th & 28th	32·5
Darbhanga	165	29·934	+·002	30·066	30·013	14th	29·824	3rd	·188	54·6	77·5	+3·0	48·4	—5·3	63·0	—1·2	29·1	82·1	2nd	42·8	27th	39·3
Patna	166	...	...	...	...	...	...	...	...	53·1	77·4	...	48·8	...	63·1	...	28·6	81·8	1st, 2nd	42·5	26th	39·3
Muzaffarpur	178	29·930	...	30·076	30·006	23rd	29·820	3rd	·186	56·8	76·7	...	48·1	...	62·4	...	28·6	81·2	2nd	42·0	26th	39·2
Motihari	224	29·864*	...	30·068*	29·940	14th	29·747	3rd	·193	48·5	77·3	...	44·8	...	61·1	...	32·5	81·4	1st & 2nd	39·8	26th	41·6
Chapra	181	29·912*	...	30·060*	30·006	23rd	29·811	3rd	·195	55·3	76·4‡	...	49·4*	...	62·6‡	...	27·0	82·7	1st	43·6	28th	39·1
Patna	183	29·995	—·007	30·073	30·011	23rd	29·816	3rd	·195	58·6	75·1	+0·9	51·9	+0·3‡	63·5	+0·6‡	23·2	81·0	1st	44·7	27th	36·3
Arrah	190	29·914	...	30·072	29·988	23rd	29·810	3rd	·178	53·6	76·8	...	47·4	...	62·2	...	29·4	82·4	2nd & 7th	41·2	27th	41·2
Buxar	239	29·858	...	30·072*	29·935	23rd	29·756	3rd	·169	53·9	78·1	...	49·1	...	63·6	...	29·0	84·5	1st	43·1	27th, 28th & 29th	41·4
Dehri	351	29·741	...	30·073	29·814	14th	29·647	3rd	·167	55·6	77·0	...	51·0	...	64·0	...	26·0	82·8	1st	45·0	28th	37·8
Gaya	375	29·720	—·008	30·076	29·792	23rd	29·625	3rd	·167	54·7	75·5	—0·7	48·4	—3·1	62·0	—1·9	27·1	80·9	1st	43·7	28th	37·2

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

* Mean of 30 days.
† " " 29 days.
‡ " " 26 days.
§ " " 15 days.
‖ " " 25 "

B.—*contd.*

stations in India, etc., in December 1907.

Wind direction. Number of winds from Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind velocity. Mean velocity, miles per hour.	Normal.	Departure from normal.	Wind steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st to 31st December 1907.	Normal rainfall for period, 1st to 31st December.	Departure from normal of period, 1st to 31st December 1907.	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
																																XXI.—Bengal.
...	18	10	..	..	..	..	..	3	N10°E	N15°E	S 9·2	7·1	+2·1	92	+10	84	— 4	·483	—·040	2·2	—0·3	0	0·58	—0·58	0·05	0·33	—0·28	0·05	0·33	—0·28	0·05	Sangor Island.
3	19	2	..	..	..	..	1	6	N9°W	...	3·0	...	...	81	...	66	...	·347	...	1·8	...	2	0·28	+1·72	1·93	0·20	+1·73	1·93	0·2	+1·73	1·10	Midnapore.
3	7	5	1	..	..	..	..	14	N17°W	N4°W	S 3·5	3·5	+1·0	69	+19	81	0	·427	—·015	1·8	+0·7	2	0·38	+1·62	0·53	0·22	+0·31	0·53	0·22	+0·31	0·41	Calcutta.
28	2	..	..	..	..	..	..	1	N15°W	N11°W	0·4	1·5	—1·1	10	—29	87	+ 1	·425	—·033	2·0	+0·8	2	0·35	+1·65	0·93	0·18	+0·75	0·93	0·18	+0·75	0·65	Jessore.
6	8	1	.	..	..	.	1	15	N30°W	...	1·6 m	...	...	71	...	84	...	·409	...	0·4	...	2	0·16	+1·84	0·71	0·10	+0·61	0·71	0·10	+0·61	0·47	Krishnagar.
9	14	1	..	..	..	..	2	5	N15°W	N22°W	1·6	1·6	0	63	+23	75	+ 4	·381	—·004	1·5	+0·1	2	0·23	+1·77	1·22	0·11	+1·11	1·22	0·11	+1·11	0·61	Burdwan.
26	..	..	..	..	..	..	..	5	N45°W	...	1·4	...	...	3	...	66	...	·334	...	1·3	...	2	0·34	+1·66	1·10	0·13	+0·97	1·10	0·13	+0·97	0·69	Bankura.
9	2	..	..	..	..	..	8	12	N57°W	...	1·8	...	...	65	...	75	...	·350	...	1·5	...	3	0·26	+2·74	0·50	0·08	+0·42	0·50	0·08	+0·42	0·22	Raniganj.
18	5	..	2	..	..	2	1	3	N24°W	N41°W	0·9	1·4	—0·5	23	—17	81	— 5	·384	—·052	1·3	—0·1	3	0·34	+2·66	0·49	0·11	+0·38	0·49	0·11	+0·38	0·38	Berhampore.
32	..	..	..	..	..	..	..	..	(a)	...	1·0	...	...	...	...	68	...	·342		0·6	...	1	0·33	+0·67	0·18	0·16	+0·02	0·18	0·16	+0·02	0·18	Naya Dumka.
2	9	2	1	..	..	..	..	17	N23°W	N25°W	2·0	2·1	—0·1	79	+ 7	70	—12	·370	—·077	2·5	+0·4	1	0·52	+0·48	0·45	0·18	+0·27	0·45	0·18	+0·27	0·45	Balasore.
2	11	2	..	..	..	..	..	16	N23°W	N17°W	S 5·3	5·8	—0·5	86	0	78	— 6	·452	—·063	3·5	+1·0	3	0·68	+2·32	1·44	0·69	+0·75	1·44	0·69	+0·75	0·73	False Point.
12	...	4	3	—	..	4	7	1	N81°W	N48°W	S 1·5	1·2	+0·3	17	+ 3	71	— 4	·405	—·042	2·9	+1·0	1	0·58	+0·42	0·71	0·27	+0·44	0·71	0·27	+0·44	0·65	Cuttack.
...	28	2	..	1	.	..	..	..	N4°E	...	9·3	...	...	94	...	74	...	·455	...	2·4	...	3	0·61	+2·39	1·07	0·65	+0·42	1·07	0·65	+0·42	0·51	Puri.
1	2	...	.	..	.	..	6	22	N51°W	...	5·5	...	...	87	...	77	...	·409	...	1·5	...	2	...	...	0·82	...	...	0·82	...	...	0·60	Angul.
..	11	8	6	2	...	1	2	1	N32°E	N16°E	4·0	2·5	+1·5	59	—22	76	+ 2	·392	—·014	1·2	—0·5	2	0·30	+1·70	1·24	0·24	+1·00	1·24	0·24	+1·00	1·08	Sambalpur.
7	1	1	1	..	..	18	3	..	S52°W	S68°W	2·2	1·0	+1·2	56	+16	82	+ 5	·341	—·034	1·3	—0·1	3	0·65	+2·35	2·66	0·10	+2·56	2·66	0·10	+2·56	1·50	Chaibasa.
7	3	1	1	..	..	..	..	4	15	N42°W	N68°W	4·7	4·3	+0·4	62	+23	61	— 4	·273	—·036	1·2	0	3	0·48	+2·52	1·28	0·09	+1·19	1·28	0·09	+1·19	0·88	Ranchi.
1	..	..	..	..	..	..	2	23	5	N86°W	...	3·4	...	...	90	...	77	...	·337	...	1·5	...	3	0·29	+2·71	1·07	0·18	+0·89	1·07	0·18	+0·89	0·47	Purulia.
10	3	1	5	2	1	3	3	3	N5°W	N86°W	4·0	5·2	—1·2	4	—36	55	—10	·267	—·043	0·8	—0·6	1	0·53	+0·48	0·56	0·20	+0·36	0·56	0·20	+0·36	0·56	Hazaribagh.
21	..	..	3	5	2	..	..	..	S49°E	...	1·9	...	...	29	...	84	...	·295	...	0·7	...	1	0·55	+0·45	0·10	0·29	—0·19	0·10	0·29	—0·19	0·10	Dalteenganj.
28	...	3	..	..	..	2	2	2	N52°W	S88°W	0·9	1·5	—0·6	10	— 9	94	+ 3	·361	—·022	0·9	0	1	0·28	+0·77	0·68	0·10	+0·58	0·68	0·10	+0·58	0·68	Purnea.
17	1	2	1	..	2	2	5	1	S86°W	...	1·3	...	...	14	...	69	...	·366	...	2·6	...	0	0·26	—0·26	0	0·07	—0·07	0	0·07	—0·07	0	Bhagalpur.
3	1	2	3	1	...	6	14	1	S82°W	...	2·8	...	...	45	...	76	...	·387	...	0·7	...	0	...	...	0	...	...	0	...	...	0	Monghyr.
23	...	2	1	..	...	...	4	1	N47°W	N86°W	1·1	2·0	—0·9	10	—20	89	+ 3	·385	—·024	0·5	0	0	0·23	—0·23	0·01	0·07	—0·06	0·01	0·07	—0·06	0·01	Darbhanga.
23	1	2	1	...	1	...	2	1	N8°W	...	...	...	...	7	...	79	...	·323	...	0·9	...	0	...	...	0	...	...	0	...	...	0	Pusa.
29	1	1	3	1	..	1	2	2	N10°E	...	S 1·6	...	...	2	...	76	...	·351	...	0·4	...	0	0·19	—0·19	0	0·07	—0·07	0	0·07	—0·07	0	Muzaffarpur.
27	..	1	2	...	...	...	1	...	N63°E	...	1·4	...	...	6	...	93	...	·324	...	8·5	...	0	0·47	—0·47	0	0·14	—0·14	0	0·14	—0·14	0	Motihari.
21	...	1	1	1	4	3	...	...	S3°E	...	1·9	...	...	6	...	74	...	·325	...	0·2	...	0	0·29	—0·29	0	0·09	—0·09	0	0·09	—0·09	0	Chapra.
5	1	...	2	2	4	6	9	2	S58°W	S78°W	2·1	1·9	+0·2	48	—11	64	—11	[illegible]	—·048	0·7	—0·2	0	0·35	—0·35	0	0·10	—0·10	0	0·10	—0·10	0	Patna.
13	...	...	.	8	2	6	6	1	S48°W	...	1·5	...	...	80	...	74	...	·311	...	0·5	...	0	0·35	—0·35	0	0·13	—0·13	0	0·13	—0·13	0	Arrah.
3	2	2	3	2	4	8	7	...	S41°W	...	3·9	...	...	33	...	67	...	·285	...	0·4	...	0	0·45	—0·45	0	0·20	—0·20	0	0·20	—0·20	0	Buxar.
4	...	...	...	...	5	19	3	...	S48°W	...	3·3	...	...	96	...	67	...	·305	...	0·4	...	0	0·44	—0·44	0	0·32	—0·32	0	0·32	—0·32	0	Dehri.
13	...	..	...	2	11	1	4	...	S14°W	S10°W	2·4	2·4	0	43	+11	68	— 3	·289	—·07	0·8	—0·7	0	0·35	—0·35	0·04	0·17	—0·13	0·04	0·17	—0·13	0·04	Gaya.

S Uncorrected.
† Mean of 30 days.
(a) Indeterminate.
* Mean of 16 days.

Table

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

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.
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
IV.—United Provinces of Agra and Oudh.																						
Gorakhpur . .	257	29·830	0	30·063	29·904	23rd	29·710	3rd	·194	55·0	76·6	+2·4	46·1	−4·3	61·4	−1·0	30·5	81·6	1st	40·5	26th	41·1
Benares . .	267	29·830	−·004	30·073	29·910	23rd	29·732	3rd	·178	53·6	76·0	+1·0	43·6	−4·6	59·8	−1·8	32·4	83·5	1st	37·1	28th	46·4
Allahabad . .	309	29·786	−·006	30·075	29·863	23rd	29·688	3rd	·175	50·3	76·5	+0·8	43·8	−4·0	60·2	−1·6	32·7	83·1	1st	38·5	28th	44·6
Cawnpore . .	416	29·681	+·003	30·094	29·761	23rd	29·575	4th	·186	48·1	76·4	+0·1	42·4	−5·2	59·4	−2·6	34·0	82·9	1st	35·7	27th	47·2
Lucknow . .	368	29·737	+·015	30·096	29·822	23rd	29·623	3rd	·199	46·9	76·5	+0·8	42·3	−3·9	59·4	−1·6	34·2	84·0	1st	35·6	27th	48·4
Bahraich . .	401	29·679	+·002	30·073	29·761	23rd	29·561	3rd	·200	51·6	76·9	+1·9	45·6	−2·4	61·3	−0·3	31·3	82·6	2nd	39·0	26th & 27th	43·6
Jhansi . .	858	29·276	+·039?	30·127	29·351	23rd	29·188	4th	·163	58·6	78·1	−0·3	49·9	−2·0	64·0	−1·2	28·2	84·3	5th	46·1	29th	38·2
Agra . .	556	29·527	−·016?	30·089	29·608	23rd	29·424	3rd	·184	50·9	74·0	−2·1	45·9	−2·9	60·0	−2·5	28·1	79·5	1st	42·0	3rd	37·5
Mainpuri . .	516	29·575*	+·005*	30·094*	29·659	23rd	29·461	3rd	·198	47·3	75·7	+0·6	40·8*	−6·5	57·9*	−3·0?	34·9	82·8	1st	36·3	28th, 29th & 30th	46·5
Bareilly . .	568	29·504	+·003	30·084	29·616	23rd	29·386	3rd	·230	49·5	74·1	+1·3	43·3	−2·7	58·7	−0·7	30·8	80·3	1st	37·0	27th	43·3
Meerut . .	738	29·329	+·002	30·102	29·414	23rd	29·209	3rd	·205	44·4	74·7	+1·8	40·3	−4·4	57·5	−1·3	34·4	80·1	1st	35·3	27th & 28th	44·8
Roorkee . .	909	29·171	+·020	30·122	29·243	23rd	29·048	3rd	·195	43·5	72·5	+0·1	39·1	−4·4	55·8	−2·2	33·4	78·0	1st	33·4	27th	44·6
Dehra Dun . .	2,233	27·795	+·002	30·124	27·870	21st	27·672	3rd	·198	47·6	71·5	+2·8	43·6	−2·0	57·6	+0·4	27·9	74·5	4th, 6th & 11th	38·5	25th & 26th	36·0
V.—Punjab.																						
Delhi . . .	718	29·373	+·016	30·115	29·453	23rd	29·261	4th	·192	49·8	74·5	+0·8	46·7	−2·2	60·6	−0·7	27·8	80·7	1st	40·7	28th	40·0
Sirsa . . .	662	29·431	+·013	30·123	29·513	23rd	29·301	4th	·212	44·8	74·3	−0·6	39·6	−3·1	57·0	−1·9	34·7	80·3	6th	34·1	20th & 23rd	46·2
Patiala . . .	*818*	29·262	...	30·123	29·327	20th	29·143	4th	·184	45·0	73·4	...	39·5	...	56·5	...	33·9	76·8	5 days	31·8	27th	45·0
Ambala . . .	892	29·174	+·014	30·122	29·245	21st	29·057	3rd	·188	41·4	73·2	+1·1	37·5	−6·0?	55·4	− ?	35·7	78·0	1st	32·0	12th & 27th	46·0
Ludhiana . .	812	29·269	+·024?	30·126	29·348	21st	29·145	4th	·203	43·9	71·1	+0·1	40·7	−3·3	55·9	−1·6	30·4	76·0	6th	35·0	27th	41·0
Lahore . . .	702	29·375	+·002	30·122	29·461	21st	29·243	4th	·218	40·3	74·2	+1·0	37·9	−2·4	56·1	−0·7	36·3	81·4	5th	33·2	6 days	48·2
Sialkot . . .	830	29·245	+·018	30·124	29·331	23rd	29·114	4th	·217	44·0	73·5	+3·4	37·1	−5·4	55·3	−1·0	36·4	78·7	5th	30·1	26th	48·6
Rawalpindi . .	1,674	28·376	−·010	30·177	28·444	21st	28·264	4th	·180	38·5	69·8	+2·2	34·3	−2·8	52·1	−0·3	35·5	76·9	5th & 6th	28·6	25th	48·3
Khushab . .	613	29·503	+·016	30·142	29·603	21st	29·368	4th	·235	45·8	74·1	+2·4	37·2	−4·7	55·7	−1·2	36·9	81·9	3rd	30·4	21st & 22nd	51·5
Montgomery . .	558	29·549	+·009	30·124	29·633	21st	29·413	4th	·220	47·2	75·1	+2·2	39·9	−3·1	57·5	−0·5	35·2	81·3	5th	32·1	25th	49·2
Multan . . .	420	29·692	−·005	30·115	29·793	21st	29·572	4th	·221	49·6	73·7	−0·2	43·7	−0·7	58·7	−0·5	30·0	80·8	3rd	38·0	24th	42·8
VI.—North-West Frontier Province.																						
Peshawar . .	1,110	28·980	−·017	30·185	29·055	21st	28·853	4th	·202	39·1	67·7	+0·2	35·7	−3·3	51·7	−1·6	32·0	75·2	2nd & 5th	28·4	19th	46·8
Dera Ismail Khan	590	29·531	−·001	30·129	29·625	21st	29·405	4th	·220	44·2	73·3	+0·8	37·7	−2·4	55·5	−0·8	36·6	82·3	2nd	32·1	24th	50·2
VII.—Sind.																						
Jacobabad . .	186	29·936	−·001	30·105	30·050	21st	29·793	4th	·257	46·8	77·8	+1·1	41·6	−2·4	59·7	−0·7	36·2	82·6	5th, 6th & 8th	38·3	5 days	44·3
Hyderabad . .	96	30·039	+·008	30·006	30·134	21st	29·929	4th	·205	55·3	79·9	+0·8	50·3	−2·0	65·1	−0·6	29·6	86·6	4th	44·5	27th	42·1
Karrachee . .	30	30·109	+·015	30·091	30·204	21st	30·004	4th	·200	58·5	81·6	+1·3	53·5	−2·4	67·6	−0·6	28·1	84·9	1st, 2nd & 10th	49·2	23rd	35·7
VIII.—Rajputana.																						
Bikaner . .	*771*	29·316	−·003	30·117	29·405	21st	29·211	4th	·194	50·3	75·3	0	46·3	−5·0	60·8	−2·5	29·0	81·7	6th	42·0	21st & 22nd	39·7
Jodhpur . .	782	29·316	...	30·133	29·392	21st	29·237	7th	·155	58·7	80·3	...	50·3	...	65·3	...	30·0	85·1	8th	43·3	2nd	41·8

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

Note.—The barometric readings are reduced to sea-level, in the cases of hill or plateau stations, the elevations of which exceed 3,200 feet.

* Mean of 30 days.

* „ „ 29 days.

B—*continued.*

stations in India, etc., in December 1907.

Wind direction. Number of winds from Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind velocity. Mean velocity, miles per hour.	Normal.	Departure from normal.	Wind Steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st to 31st December 1907.	Normal rainfall for period, 1st to 31st December.	Departure from normal of period, 1st to 31st December 1907.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																IV.—United Provinces of Agra and Oudh.
28							2	1	N75°W	N69°W	0·4	1·1	−0·7	10	−22	66	−5	·288	−·066	0·2	−0·8	0	0·40	−0·40	0	0·14	−0·14	0	0·14	−0·14	0	Gorakhpur.
23						6	2		S56°W	S56°W	1·0	2·3	−1·3	27	− 2	73	−11	·306	−·049	0·1	−1·2	0	0·40	−0·40	0	0·21	−0·21	0	0·21	−0·21	0	Benares.
16						5	9	1	S78°W	N76°W	1·5	3·0	−1·5	43	+14	68	− 9	·250	−·103	0·3	−1·0	0	0·50	−0·50	0	0·24	−0·24	0	0·24	−0·24	0	Allahabad.
23						1	5	2	N84°W	N82°W	0·7	2·4	−1·7	23	− 6	70	− 7	·237	−·097	0	−1·3	0	0·60	−0·60	0	0·17	−0·17	0	0·17	−0·17	0	Cawnpore.
28						2	1		S59°W	N76°W	0·5	1·7	−1·2	7	−22	71	−11	·248	−·086	0·3	−1·3	0	0·80	−0·80	0	0·38	−0·38	0	0·38	−0·38	0	Lucknow.
29							2	6	N56°W	N51°W	1·2	1·5	−0·3	27	+ 3	66	−16	·257	−·094	1·0	+0·2	0	0·70	−0·70	0	0·34	−0·34	0	0·34	−0·34	0	Bahraich.
22						3	2	4	N85°W	N79°W	1·7	2·0	−0·3	23	+ 5	42	−)5	·239	−·084	0·2	−0·9	0	0·80	−0·80	0	0·24	−0·24	0	0·24	−0·24	0	Jhansi.
17						6		8	N81°W	N61°W	3·0	2·9	+0·1	33	− 3	52	−16	·195	−·090	0·2	−1·3	0	0·60	−0·60	0	0·29	−0·29	0	0·29	−0·29	0	Agra.
22						2	5	2	W	N66°W	0·4	1·1	−0·7	25	+ 1	65	− 8	·215	−·076	0·1	−2·2	0	0·60	−0·60	0	0·34	−0·34	0	0·34	−0·34	0	Mainpuri.
31									(*a*)	N44°W	0·5	1·6	−1·1	...	...	74	− 7	·262	−·044	0·8	−0·6	0	0·64	−0·64	0	0·33	−0·33	0	0·33	−0·33	0	Bareilly.
24						2	4	1	S83°W	S89°W	0·3	1·5	−1·2	20	− 8	70	− 5	·209	−·052	0·4	−1·6	0	0·90	−0·90	0	0·48	−0·48	0	0·48	−0·48	0	Meerut.
29								2	N45°W	N39°W	0·9	1·4	−0·5	3	− 4	72	−12	·203	−·076	0	−2·1	0	1·30	−1·30	0	0·61	−0·61	0	0·61	−0·61	0	Roorkee.
31									(*a*)	S76°W	0·7	1·2	−0·5	...	...	65	−10	·218	−·050	0·7	−3·0	0	1·40	−1·40	0	0·80	−0·80	0	0·80	−0·80	0	Dehra Dun.
																																V.—Punjab.
6				1		1	20	3	N88°W	N87°W	1·9†	2·5	−0·6	72	+28	67	+ 6	·240	−·010	0·6	−1·8	0	1·10	−1·10	0	0·53	−0·53	0	0·53	−0·53	0	Delhi.
26	1		1	1			1	1	N	N84°W	0·9	2·8	−1·9	3	− 4	65	− 4	·194	−·043	0·9	−2·1	0	0·80	−0·80	0	0·31	−0·31	0	0·31	−0·31	0	Sirsa.
10	5	3	4	1	1		2	5	N6°E	...	4·0	...	...	29	...	65	...	·195	...	0·8	...	0	...	...	0	...	...	0	...	...	0	Patiala.
28							1	2	N59°W	N44°W	1·1	1·5	−0·4	7	−13	76	−0·4	·198	−·079	0·8	−1·6	0	1·20	−1·20	0	0·82	−0·82	0	0·82	−0·82	0	Ambala.
14	1	3		2		1	2	8	N36°W	N47°W	1·0	1·3	−0·3	30	+13	64	−12	·188	−·071	0·9	−2·9	0	0·90	−0·90	0	0·78	−0·78	0	0·78	−0·78	0	Ludhiana.
28				1			2		S60°W	N58°W	1·1	1·3	−0·2	3	− 4	79	+ 1	·202	−·050	6·3	−1·6	0	0·90	−0·90	0	0·38	−0·38	0	0·38	−0·39	0	Lahore.
20	2	3	3	3					N74°E	N63°E	0·9	0·9	0	23	+16	70	− 4	·205	−·042	1·0	−1·6	0	1·10	−1·10	0	0·52	−0·52	0	0·52	−0·52	0	Sialkot.
28	1					1		1	N52°W	N41°W	1·8	1·3	+0·5	3	−11	58	−16	·139	−·071	2·0	−1·6	0	1·60	−1·60	0	0·74	−0·74	0	0·74	−0·74	0	Rawalpindi.
22	1	6			3				N53°E	N27°E	2·3	2·1	+0·2	17	+ 3	41	−19	·129	−·070	1·1	−1·6	0	0·40	−0·40	0	0·54	−0·54	0	0·54	−0·54	0	Khushab.
16		2	4	5			1	3	E	N68°E	2·5	2·6	−0·1	19	+ 1	44	−21	·143	−·087	1·5	−1·2	0	0·60	−0·60	0	0·42	−0·42	0	0·42	−0·42	0	Montgomery.
26		3		2					N79°E	N53°E	1·0	1·1	−0·1	13	− 5	60	−10	·213	−·049	0·7	−1·8	0	0·70	−0·70	0	0·19	−0·19	0	0·19	−0·19	0	Multan.
																																VI.—North-West Frontier Province.
25	1				3	1	1		S33°W	S16°W	0·8	2·3	−1·5	13	−16	63	− 7	·152	−·053	2·6	−1·2	0	1·10	−1·10	0	0·33	−0·33	0	0·33	−0·33	0	Peshawar.
28	1	1				1			N	N32°W	0·5	0·8	−0·3	3	− 8	62	− 9	·182	−·035	1·8	−0·8	0	0·80	−0·80	0	0·21	−0·21	0	0·21	−0·21	0	Dera Ismail Khan.
																																VII.—Sind.
21	2							8	N37°W	N7°E	1·4	1·6	−0·2	33	+19	68	+ 5	·220	−·021	1·3	−1·5	0	0·40	−0·40	0	0·09	−0·09	0	0·09	−0·09	0	Jacobabad.
7	12	1						11	N19°W	N2°E	7·0	7·0	0	69	+13	52	− 2	·229	−·037	0·9	−1·4	0	0·20	−0·20	0	0·05	−0·05	0	0·05	−0·05	0	Hyderabad.
	13	18							N26°E	N54°E	5·2	8·4	−3·2	96	+14	54	− 5	·274	−·055	0·6	−1·6	0	0·40	−0·40	0	0·13	−0·13	0	0·13	−0·13	0	Kurrachee.
																																VIII.—Rajputana.
1		1	5	13	7	2	1	1	S36°E	N4°W	4·0	3·3	+0·7	66	+44	57	+ 1	·208	−·033	1·1	−1·5	0	0·40	−0·40	0	0·17	−0·17	0	0·17	−0·17	0	Bikaner.
3	5	16	3				2	2	N32°E	...	3·7	...	...	69	...	32	...	·140	...	0·9	...	0	0·50	−0·50	0	0·15	−0·15	0	0·15	−0·15	0	Jodhpur.

(*a*) Indeterminate.
s Uncorrected.
† Mean of 8 days.

Table

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

Number of observation	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
	XI. Central Provinces... *concld.*																						
24	Khandwa	1,044	29·009	—·012	30·078	29·080	23rd	28·938	8th	·142	53·7	83·5	+0·5	47·6	−2·6	65·6	−1·1	35·9	96·7	20th	43·1	16th, & 17th	43·6
	Hoshangabad	1,006	29·083	+·004	30·118	29·161	23rd	29·002	7th	·159	53·6	78·6	−0·7	47·6	−4·1	63·1	−2·4	31·0	81·6	6th	43·4	4th, 5th & 16th	38·2
	Saugor	1,807	28·247	—·006	30·099	28·318	23rd	28·182	7th	·136	57·6	75·9	−0·8	50·6?	−1·3?	63·3?	−1?	25·3?	80·6	5th & 6th	47·0	22nd	33·6
	Jubbulpore	1,327	28·736	—·006	30·115	28·827	23rd	28·660	8th	·167	50·1	76·1	−0·8	42·8	−3·2	59·5	−2·0	33·3	79·5	10th	36·3	17th	43·2
	Seoni	2,033	28·018	—·007	30·099	28·095	23rd	27·954	8th	·141	57·0	78·1	+0·4	47·9	−1·9	63·0	−0·8	30·2	81·8	1st	43·0	4th & 15th	38·1
	Nagpur	1,017	29·048	—·002	30·075	29·127	23rd	28·956	8th	·171	59·3	81·4	+0·1	51·5	−2·8	66·5	−1·4	29·9	88·6	9th	46·1	3rd	42·7
25	Pendra	2,138?	28·010	...	30·103	28·089	23rd	27·950	8th	·139	55·5	74·3	...	47·5	...	60·9	...	26·8	78·8	8th	42·2	19th	36·6
	Raipur	970	29·095	—·006	30·077	29·166	23rd & 24th.	29·010	8th	·156	56·5	77·8	−1·4	48·7	−5·4?	63·3	−3·4?	29·1	82·7	2nd	43·9	19th	38·8
	Chanda	634	29·428	—·014	30·045	29·520	23rd	29·3?6	8th	·184	58·5	82·0	−0·5	50·2	−1·6	66·1	−1·1	31·8	87·5	2nd	44·5	4th	43·7
	XII. Hyderabad.																						
26	Aurangabad	1,905	28·163	...	30·080	28·235	22nd	28·110	8th	·125	65·2	84·2	...	53·4	...	68·8	...	30·8	90·2	1st	42·7	4th	47·5
	Nizamabad	1,260	28·767	...	30·041	28·857	24th	28·702	8th	·155	66·8	84·2	...	55·8	...	70·0	...	28·4	91·9	4th	47·2	17th	44·1
	Bidar	*2,165*	27·866	...	30·030	27·925	23rd	27·788	8th	·137	66·3	79·6	...	60·7	...	70·2	...	18·9	85·7	1st	55·3	4th	30·4
29	Gulbarga	1,503	28·512	—·049?	30·010	28·578	26th	28·439	8th	·139	66·7	85·8	+0·8	59.2	+1·4	72·5	+1·1	26·6	92·0	1st	46·8	4th	45·2
	Raichur	*1,811*	28·707	—·020	30·001	28·777	24th	28·644	8th	·133	69·9	85·1	+0·2	63·1	−0·2	74·1	...	22·0	90·6	1st	55·1	4th	35·1
	Hyderabad (Deccan). Hanumkonda	1,690	28·334	—·033	30·032	28·403	23rd	28·254	8th	.149	63·6	82·3	—0·1	58·9	+1·6	70·6	+0·8	23·4	89·3	1st	51·2	4th	38·1
		871	29·162	...	30·012	29·248	23rd	29·062	8th	·186	67·0	81·5	...	59·7	...	70·6	...	21·8	88·0	1st	53·7	25th	34·1
	XIII. Mysore.																						
30	Chitaldroog	2,405	27·605	—·022	29·985	27·661	29th	27·549	8th	·112	68·7	82·0	+0·7	61·7	+0·9	71·9	+0·8	20·3	86·6	1st & 20th.	55·4	7th	31·2
	Hassan	3,149	26·949?	—·014?	30·071?	26·997	24th, & 29th	26·904	3rd	·093	64·9	81·0	+1·6	55·6	+0.1	68·3	+0·9	25·4	85·1	11th	44·2	5th	40·1
	Bangalore	3,021	27·011	—·019	29·996	27·065	26th	26·955	8th	·110	65·9	80·3	+2·3	58·5	−0 2	69·4	+1·1	21 8	85·3	2nd	48·8	6th	36·1
	Mysore	2,518	27·500	—·020	29·995	27·555	29th	27·452	7th	·103	67·9	82·7	+1·1	60·4	+0·6	71·6	+0·9	22·3	86·5	11th & 12th.	52·0	6th	34·1
	XIV.—Madras.																						
31	Mangalore	65	29·929	—·012	29·927	30·003	29th	29·859	15th	·144	77·7	87·0	−2.5	71·3	+1·3	79·2	−0·6	15·7	92·2	16th	64·9	5th	27·3
	Calicut	27	29·957	—·012	29·914	30·012	29th	29·883	3rd	·129	76·1	87·1	−0·5	71·2	+0·7	79·2	+0·1	15·9	89·4	4th	64·6	7th	24·1
	Cochin	9	29·970	—·005	29·909	30·025	30th	29·902	16th	·123	76·6	89·1	+0·6	72·9	0	81·0	+0·3	16·2	91·3	4th	67·7	31st	23·6
	Trivandrum	198	29·773	—·002	29·905	29·835	29th	29·703	15th	·132	75·2	82·4	−0·6	72·8	+1·1	77·6	+0·3	9·6	84·0	19th	68·0	1st	16·0
32	Tinnevelly	168	29·844	—·011	29·943	29·934	29th	29·775	3rd	·159	77·2	88·4	+2·2	72 3	−0·1	80·4	+1·1	16·1	93·3	11th and 12th	67·4	6th	25·9
	Pamban	37	29·952	—·020	29·916	30·046	29th	29·878	3rd	·168	77·9	83·6	+2·0	74·6	0	79·1	+1·0	9·0	87·3	11th	6·2	16th and 17th	19·1
	Madura	447	29·566	+·007	29·957	29·647	29th	29·491	3rd	·156	75·7	86·9	+0·9	69·5	−1·0	78·2	− 0·1	17·4	91·4	11th and 12th	63·6	6th	27·8
	Periyakulam	944	28·951?	...	29·850?	28·977	6th	28·926	12th	·051	73·0	86·4	...	65·8	...	75·3	...	20·6	90·9	11th	58·1	28th	32·8
	Pudukkottai	318	29·691	...	29·947	29·777	29th	29·611	3rd	·166	74·6	86·6	...	68·1	...	77·4	...	18·5	93·6	12th	61·9	6th	31·7
	Negapatam	31	29·951	—·026	29·912	30·057	29th	29·865	16th	·192	76·4	86·3	+4·8?	72·1	0	79·2	+2·4?	14 2	90·4	10th and 11th	68 0	4th, 6th & 17th	22·4

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

B—*continued.*

stations in India, etc., in December 1907.

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	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from	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	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st to 31st December 1907.	Normal rainfall for period, 1st to 31st December.	Departure from normal of period, 1st to 31st December 1907	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
																																XI. Central Provinces—*contd.*
18	...	6	5	2	...	...	...	...	N75°E	N63°E	3·0	2·7	+0·3	37	+5	44	−13	·189	−·111	0·2	−1·1	0	0·50	−0·50	0	0·43	−0·43	0	0·43	−0·43	0	Khandwa.
9	...	10	11	1	..	...	...	...	N71°E	N63°E	2·9	2·6	+0·3	66	+1	53	−16	·225	−·104	0·5	−1·1	0	0·60	−0·60	0	0·53	−0·53	0	0·53	−0·53	0	Hoshangabad
10	...	4	7	10	...	...	...	...	S76°E	S77°E	4·0	2·8	+1·2	56	+24	39	−19	·186	−·108	0·4	−0·7		0·80	−0·80	0	0·70	−0·70	0	0·70	−0·70	0	Saugor.
20	...	1	...	4	6	...	...	...	S24°E	S41°E	1·3	1·6	−0·3	30	−6	63	−11	·234	−·119	0·2	−1·4		0·60	−0·60	0	0·33	−0·33	0	0·33	−0·33	0	Jubbulpore.
16	5	10	...	...	...	...	...	...	N30°E	N30°E	3·5	2·2	+1·3	46	+4	52	−15	·246	−·098	0·5	−1·4	0	0·90	−0·90	0·06	0·52	−0·46	0·06	0·52	−0·46	0·06	Seoni.
1	17	7	...	...	...	...	1	5	N1°E	N7°E	2·6	3·0	−0·4	82	+53	53	−7	·273	−·080	0·6	−1·4	0	0·70	−0·70	0·09	0·48	−0·39	0·09	0·48	−0·39	0·05	Nagpur
17	7	...	..	..	...	1	...	6	N26°W	...	3·1	...	...	40	...	49	...	·236	...	0·7	...	1	...	...	0·16	...	...	0·16	...	...	0·10	Pendra.
26	1	2	2	...	...	...	...	..	N54°E	N14°E	2·8	2·5	+0·3	10	−6	71	+9	·331	−·013	1·3	−0·7	1	0	+0·50	0·37	0·25	+0·12	0·37	0·25	+0·12	0·37	Raipur
15	3	4	2	...	...	1	2	4	N5°W	N39°E	2·2	1·6	+0·6	27	−5	68	−4	·344	−·054	1·5	+0·1	0	0·80	−0·80	0·03	0·34	−0·31	0·03	0·34	−0·31	0·03	Chanda.
																																XII. Hyderabad.
7	...	7	15	2	...	...	...	...	N80°E	...	7·9			69		40		·246		0·6		0	1·10	−1·10	0	0·33	−0·33	0	0·33	−0·33	0	Aurangabad.
27	...	3	...	1	..	...	...	...	N63°E	...	2·2			10		59		·397		1·9		1	0·60	+0·40	0·52	0·14	+0·38	0·52	0·14	+0·38	0·48	Nizamabad.
3	3	14	6	4	1	...	...	...	N65°E	...	7·3			68		59		·384		1·9		3	0·70	+2·30	0·54	0·52	+ 0·02	0·54	0·52	+0·02	0·30	Bidar.
1	...	7	12	8	3	...	...	..	S81°E	N76°E	7·4	7·2	+0·2	76	+29	58	−1	·391	−·002	2·5	+0·7	1	0·30	+0·70	0·28	0	+0·28	0·28	0	+0·28	0·20	Gulbarga.
7		13	3	8	...	...	...	..	N79°E	S77°E	7·7	7·4	+0·3	59	−7	55	−11	·421	−·065	2·5	+1·0	0	0·30	−0·30	0	0	0	0	0	0	0	Raichur.
31	...	...	...	...	...	...	...	...	(a)	S63°E	2·3	3·2	−0·9			66	−7	·401	−·051	2·9	+1·2	1			0·78	0·17	+0·61	0·78	0·17	+0·61	0·61	Hyderabad (Deccan).
10	10	...	..	2	2	...	...	7	N17°W		4·0			43		55		·372		2·5		1	0·10	+0·90	0·28			0·28	...		0·23	Hanumkonda
																																XIII. Mysore.
8	...	3	14	5	...	...	1	...	S86°E	S77°E	4·6	7·8	−3·2	62	−26	68	+3	·481	+·021	2·9	−0·1	2	0·70	+1·30	0·99	0·09	+0·90	0·99	0·09	+0·90	0·67	Chitaldroog.
7	2	10	7	3	...	1	...	1	N 65°E	N 82°E	1·6	3·4	−1·8	52	−33	82	+9	·512	+·035	3·8	+0·2	1	1·00	0	0·61	0·18	+0·43	0·61	0·18	+0·43	0·58	Hassan.
...	1	9	15	4	..	1	..	1	N 78°E	N 67°E	6·8	5·5	+1·3	76	+10	73	−5	·472	−·011	4·1	+0·3	2	1·00	+1·00	0·49	0·48	+0·01	0·49	0·48	+0·01	0·29	Bangalore.
1	1	10	13	2	...	2	1	1	N 72°E	N 68°E	7·9	10·3	−2·4	62	−21	70	−4	·490	−·013	3·5	−0·3	2	1·00	+1·00	0·41	0·17	+0·24	0·41	0·17	+0·24	0·15	Mysore.
																																XIV.—Madras.
9	...	3	17	2	...	..	...	...	N 88°E	S 86°E	S 3·9	2·9	+1·0	69	−17	72	+4	·696	+·695	2·6	+0·3	1	0·50	+·050	0·52	0·45	+0·07	0·52	0·45	+0·07	0·45	Mangalore.
1	1	6	21	2	...	...	...	..	N 92°E	N 85°E	6·6	7·0	−0·4	89	+6	79	+2	·715	+.032	3·0	+0·9	2	1·60	+0·40	0·89	0·97	−0·08	0·89	0·97	−0·08	0·46	Calicut.
3	1	9	15	3	...	...	...	...	N 77°E	N 36°E	S 5·6	4·3	+1·3	76	−3	76	+1	·702	+·006	3·3	+0·9	2	2·50	−0·50	1·25	1·66	−0·41	1·25	1·66	−0·41	0·97	Cochin.
15	3	9	1	...	...	...	...	3	N 25°E	N 49°E	S 3·6	3·7	− 01	40	+4	79	−1	·697	−·027	3·2	−1·1	4	3·60	+0·40	4·71	2·24	+2·47	4·71	2·24	+2·47	1·48	Trivandrum.
3	11	6	...	...	...	...	3	8	N 12°W	N 11°W	2·7	5·0	−2·3	72	−13	81	+4	·765	+·075	5·0	+0·5	3	5·70	−2·70	1·55	3·75	−2·20	1·55	3·75	−2·20	0·51	Tinnevelly.
3	8	6	...	...	...		5	9	N 21°W	N 13°E	15·8	13·1	+2·7	69	−14	89	...	·846	...	4·1	...	4	9·20	- 5·20	5·28	10·31	−5·03	5·28	10·31	−5·03	2·40	Pamban.
...	14	9	2	...	...	...	...	6	N 9°E	N 5°E	6·4	4·6	+1·8	82	−1	79	+5	·700	+·041	4·5	0	3	3·80	−0·80	1·03	1·87	−0·84	1·03	1·87	−0·84	0·67	Madura.
26	...	2	2	...	1	...	...	...	N 82°E	...	1·5	...	...	10	...	73	...	·591	...	5·0	...	3	3·20	−0·20	1·67	1·56	+0·11	1·67	1·56	+0·11	0·97	Periyakulam.
1	10	14	...	...	...	...	1	5	N 12°E	...	9·3	...	...	78	...	77	...	·666	...	4·8	...	2	...	...	0·95	...	...	0·95	...	...	0·49	Pudukkottai.
4	2	6	...	1	...	...	3	15	N 28°W	N 6°W	11·5	9·0	+2·5	59	−27	80	−3	·739	−·015	4·6	−2·1	6	9·40	−3·40	2·29	13.79	−10·50	2·29	13·79	−10·50	0·67	Negapatam.

S Uncorrected.
(a) Indeterminate.

Table

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

Number of sub-division.	Station.	Elevation of bar. cistern above sea-level, in feet.	Pressure 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	XIV.—Madras —*concld.*																						
	Trichinopoly . .	255	29·758	—·008	29·951	29·847	29th	29·680	3rd	·167	75·3	87 3	+2·1	68·9	—0·5	78·1	+0·8	18·4	94·1	11th	61·8	5th	32·3
	Coimbatore . .	1,348	28·645	—·019	29·969	28·722	29th	28·567	3rd	·155	70·6	85·3	+0·2	65·2	—0·9	75·2	—0·4	20·1	90·9	4th	58·3	6th and 30th.	32·6
	Salem . .	940	29·082	—·022	29·985	29·162	29th	29·009	3rd	·153	72·5	87·1	+0·7	65·4	+0·1	76·3	+0·4	21·7	92·2	11th	56·4	5th and 6th.	35·8
	Cuddalore . .	37	29·965	—·032	29·935	30·062	29th	29·889	2nd	·173	73·6	84·3	+1·1	69·8	+0·7	77·1	+0·9	14·5	89·1	10th	61·7	5th	27·4
	Vellore . .	707	29·309	...	29·979	29·407	29th	29·229	8th	·178	69·5	83·8*	...	66·9	...	75·3*	...	16·9	89·7	12th	55·8	5th and 6th.	33·9
	Madras . .	22	29·993	—·025	29·946	30·097	29th	29·912	8th	·185	74·7	83·0	—0·3	69·4	—0·3	76·2	—0·3	13·6	87·0	10th	61·5	5th	25·5
33	Cuddapah . .	433	29·599	—·027	29·983	29·682	24th	29·526	8th	·156	71·5	85·4	—1·4	64·4	—1·0	74·9	—1·2	21·0	91·7	2nd	55·6	4th and 5th.	36·1
	Bellary . .	1,475	28·533	—·027	29·997	28·604	29th	28·471	20th	·133	68·0	86·6	+1·0	63·2	+2·3	74·9	+1·7	23·4	91·0	1st and 10th	55·3	24th	35·7
	Kurnool . .	923	29·088	—·020	29·989	29·168	24th	29·009	8th	·159	67·1	86·6	—0·3	61·0	+2·1	73·8	+0·9	25·6	92·2	1st	50·6	4th and 5th.	41·6
34	Nellore . .	52	29·970	—·026	29·965	30·071	29th	29·881	8th	·190	72·8	82·6	—2·2	66·9	—1·3	74·8	—1·8	15·7	87·8	1st	60·1	4th	27·7
	Masulipatam . .	15	30·040	—·010	29·990	30·132	24th	29·925	8th	·207	71·9	83·0	+0·9	66·8	+0·2	75·3	+0·6	17·1	89·6	10th	60·6	5th and 23rd.	29·0
	Cocanada . .	26	30·022	—·028	29·984	30·120	23rd	29·896	8th	·224	70·6	80·0	—0·7	65·8	+0·1	72·9	—0·3	14·2	85·1	3rd and 9th	60·5	30th	24·6
	Waltair (Vizagapatam).	226	29·814	...	29·986	29·900	29th	29·676	8th	·224	72·8	79·9	...	67·9	...	73·9	...	12·0	85·9	3rd	62·9	26th, 27th and 29th.	23·0
	Calingapatam .	19	30·048	...	30·007	30·139	29th	29·920	8th	·219	...	...	...	...	...	...	...	...	...	...	...	...	...
	Gopalpur . .	72	30·011	—·009	30·028	30·093	23rd	29·899	8th	·194	63·6	78·0	—2·3	59·3	—1·5	68·7	—1·9	18·7	84·2	2nd	54·5	4 days	29·7
	Station in the Bay.																						
	Car Nicobar . .	25	29·909	...	29·861	29·965	7th	29·871	21st	·094	80·0	83·8	..	75·1	...	79·5	...	8·7	86·7	11th	72·1	25th	14·6
	Port Blair . .	61	29·888	—·032	29·880	29·953	29th	29·725	4th	·228	79·0	84·4	—1·3	75·9*	—0·8	80·1*	—1·1	8·5	88·2	11th	68·5	26th	19·7
	Slipper Island .	90	29·852	...	29·876	29·918	29th	29·688	3rd	·230	79·1	83·6	...	75·9	...	79·8	...	7·7	86·6	31st	72·6	7th	14·0
	Kashmir.																						
14	Srinagar . .	5,204	25·056	+·012	25·027	25·143	21st	24·978	8th	·165	24·3	52·5	+4·7	31·6	—6·9	37·1	—1·1	30·9	60·1	6th	15·6	25th	44·5
	Sonemarg . .	*8,764*	21·869	...	21·837	21·949	21st	21·747	30th	·202	24·0	46·1	...	17·7	...	31·9	...	28·4	55·4	5th	9·1	19th	46·3
	Dras . . .	*10,059*	20·897	...	20·865	21·026	2nd	20·737	30th	·289	9·6	33·6	...	5·1	...	19·4	...	28/5	39·4	9th	—3·0	19th, 20th 21st.	42·4
	Leh . . .	11,503	19·776	+·040	19·744	19·935	2nd	19·614	30th	·321	14·8	37·6	+2·9	11·1	—2·1	24·4	+0·4	26·5	45·6	7th	4·5	21st	41·1
	Skardu . . .	*7,505*	23·079	...	23·049	23·261	21st	22·862	30th	·399	20·3	44·0	...	17·8	...	30·9	...	26·2	49·9	7th	10·1	21st	39·8
	Minimarg . .	*9,359*	21·441	...	21·409	21·536	2nd	21·332	30th	·204	20·3	40·2	...	15·8	...	28·0	...	24·4	48·8	15th	10·0	18th and 24th.	38·8
	Astor . . .	*7,955*	22·700	...	22·670	22·865	10th	22·544	30th	·321	24·2	44·1	...	21·4	...	32·8	...	22·7	53·9	7th	14·5	19th	39·4
	Gilgit . . .	*4,890*	25·396	...	25·369	25·582	21st	25·189	29th	·393	35·5	51·1	+1·9	31·2	—3·3	41·2	—0·7	19·9	58·7	7th	23·2	21st	66·5

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

NOTE.—The barometric readings are not reduced to sea-level, in the cases of hill or plateau stations, the elevations of which exceed 3,200 feet. * Mean of 30 days.

B—*continued.*

stations in India, etc., in December 1907.

Wind direction. Number of winds from: Calms	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind velocity. Mean velocity, miles per hour.	Normal.	Departure from normal.	Wind steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st to 31st December 1907.	Normal rainfall for period, 1st to 31st December.	Departure from normal of period, 1st to 31st December 1907.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																XIV—Madras— *concld.*
13	7	4	...	...	...	2	2	3	N 15°W	N 16°E	S 3·7	4·5	−0·8	37	−13	IX 76	...	IX ·646	...	3·7	−1·2	2	4·60	−2·60	1·42	2·76	−1·34	1·42	2·76	−1·34	0·74	Trichinopoly.
7	5	9	6	...	...	2	1	1	N 41°E	N 77°E	II 9·3	3·0	+6·3	46	−37	77	−7	·583	−·074	3·5	−1·4	4	2·40	+1·60	2·56	1·13	+1·43	2·56	1·13	+1·43	1·19	Coimbatore.
4	5	8	7	1	...	1	4	1	N 39°E	N 40°E	4·1	3·9	+0·2	43	+14	78	+2	·631	+·005	4·5	+0·9	4	2·10	+1·90	1·04	1·26	−0·22	1·04	1·26	−0·22	0·39	Salem.
1	7	...	...	...	...	...	5	18	N 41°E	N 10°W	7·9	2·7	+5·2	89	+10	84	−6	·709	−·057	4·8	−1·2	5	6·80	−1·80	3·34	8·19	−4·85	3·34	8·19	−4·85	1·66	Cuddalore.
27	...	...	...	2	...	...	1	1	S 31°W	...	3·0	...	...	4	...	86	...	·626	...	3·0	...	3	3·60	−0·60	1·22	2·88	−1·66	1·22	2·88	−1·66	0·40	Vellore.
3	7	3	...	...	...	...	6	12	N 35°W	N 8°E	S 6·7	7·3	−0·6	72	−11	83	0	·720	−·010	4·4	−0·7	7	7·20	−0·20	6·49	6·02	+0·47	6·49	6·02	+0·47	3·46	Madras.
1	...	7	5	8	1	3	3	3	S 78°E	S 70°E	...	...	...	27	−16	78	0	·613	−·007	3·5	+0·1	3	1·30	+1·70	0·78	1·14	−0·36	0·78	1·14	−0·36	0·27	Cuddapah.
8	5	2	6	4	2	...	...	4	N 59°E	S 59°E	3·1	3·3	−0·2	27	−16	61	−6	·424	−·058	2·5	−0·8	0	0·30	−0·30	0·02	0·11	−0·09	0·02	0·11	−0·09	0·02	Bellary.
27	..	2	...	...	...	...	...	2	N	S 80°E	S 3·8	...	...	9	+8	68	−2	·464	−·029	2·1	+0·4	1	0·30	+0·70	0·34	0·12	+0·22	0·34	0·12	+0·22	0·33	Kurnool.
2	8	5	3	1	...	...	2	10	N 6°W	N 51°W	5·3	4·2	+1·1	59	−13	84	−1	·690	−·026	4·4	+0·4	6	3·30	+2·70	8·79	1·64	+7·15	8·79	1·64	+7·15	4·35	Nellore.
25	1	4	1	...	...	...	...	...	N 45°E	E 15°E	5·9	5·2	+0·7	20	−66	79	−2	·635	−·013	2·6	0	3	0·60	+2·40	1·70	0·78	+0·92	1·70	0·78	+0·92	0·92	Masulipatam.
...	9	13	...	...	...	...	...	9	N 71°E	N 5°E	9·7	9·1	+0·6	79	−11	72	+2	·555	+·014?	5·6	+3·1	2	0·70	+1·30	3·09	0·80	+2·27	3·07	0·80	+2·27	0·64	Cocanada.
...	7	21	...	...	...	...	...	8	N 28°E	N 31°W	10·3	...	...	89	+40	50	−9	·405	−·115	4·2	+1·7	3	1·10	+1·90	0·78	1·80	−1·02	0·78	1·80	−1·02	0·49	Waltair (Vizagapatam)
...	10	7	...	...	...	...	3	11	N 15°W	...	8·9	...	...	78	...	...	...	...	...	3·1	...	2	...	...	0·69	...	...	0·69	...	...	0·34	Calingapatam.
1	19	1	...	...	...	...	...	10	N 14°W	N 23°W	9·4	8·2	+1·2	92	+17	77	0	·458	−·037	2·9	+0·8	3	0·80	+2·20	1·84	0·75	+1·09	1·84	0·75	+1·09	1·05	Gopalpur.
																																Stations in the Bay.
...	1	2	1	6	3	7	...	...	* S 11°E	...	3·9	...	...	50	...	79	...	·810	...	9·7	...	12	...	...	8·87	...	...	8·87	...	...	2·84	Car Nicobar.
2	2	8	4	8	4	...	...	2	N 88°E	N 55°E	S 10·8	7·3	+3·5	45	−13	80	−1	·798	−·021	5·7	+0·4	13	...	...	9·67	6·62	+3·05	9·67	6·62	+3·05	2·57	Port Blair.
...	1	11	14	5	...	...	...	...	N 78°E	...	13·8	...	...	82	...	74	...	·736	...	6·3	...	6	...	...	14·29	...	..	14·29	...	...	4·41	Slipper Island.
																																Kashmir.
14	...	...	3	5	3	3	1	2	S 16°E	S 42°E	2·5	2·6	−0·1	23	+4	80	−9	·106	−·054	2·0	−4·0	0	3·50	−3·50	0·03	0·91	−0·88	0·03	0·91	−0·88	0·03	Srinagar.
14	3	3	8	2	...	...	...	2	N 65°E	...	3·2	...	...	33	...	85	...	·114	...	3·1	...	2	...	...	0·23	...	...	0·23	...	...	0·13	Sonemarg.
31	...	...	...	...	...	...	...	...	(a)	...	1·4	...	...	...	...	86	...	·062	...	2·9	...	0	6·60	−6·60	0·09	2·19	−2·10	0·09	2·19	−2·10	0·03	Dras.
23	...	5	2	...	1	1	...	...	S N 68°E	S 22°W	S 2·8	1·3	+1·5	17	0	40	−18	·037	−·014	3·3	−2·6	0	0·60	−0·60	0	0·19	−0·19	0	0·19	−0·19	0	Leh.
30	...	...	—	1	...	...	...	...	S 45°E	...	2·1	...	...	3	...	98	...	·111	...	2·9	...	0	1·10	−1·10	0	0·71	−0·71	0	0·71	−0·71	0	Skardu.
19	...	5	6	...	1	..	...	...	N 75°E	...	2·9	...	...	33	...	78	...	·087	...	2·4	...	2	...	...	0·34	...	...	0·34	...	...	0·20	Minimarg.
5	1	2	1	1	8	9	4	...	S 30°W	...	3·5	...	...	49	...	49	...	·064	...	3·2	...	1	...	...	0·18	...	...	0·18	...	...	0·15	Astor.
27	..	..	...	...	...	2	1	1	S 77°W	...	0·5	...	...	10	...	49	−13	·099	−·035	2·4	−4·0	0	0·80	−0·80	0	0·09	−0·09	0	0·09	−0·09	0	Gilgit.

S Uncorrected.

IX Mean of 13 days.

II Mean of 17 days.

(a) Indeterminate.

* Mean of 20 days.

Table

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

Number of subdivision	Station.	Elevation of bar. 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 and maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	Baluchistan.																						
16	Quetta . .	5,502	24·781	+·035	24·741	24·873	6th	24·639	27th	·234	31·4	59·8	+3·2	26·5	−3·2	43·2	0	33·3	73·1	5th	21·3	17th	51·8
	Chaman . .	4,311	25·868	+·048	25·830	25·958	1st	25·742	27th	·216	41·6	62·2	+3·2	33·9	−2·5	49·1	+0·4	26·3	76·3	5th	28·8	31st	47·5
	Robat . .	...	27·056	...	27·014	27·177	6th	26·873	22nd	·304	47·7	60·1	...	42·9	...	51·5	...	17·2	70·5	6th	33·2	30th and 31st	37·3
	Hill Stations excluding Kashmir and Baluchistan.																						
	Chitral . .	*5,469*	...	...	...	...	...	...	...	...	36·1	56·9	...	..	...	...	...	...	64·6	6th	...	...	...
	Para Chinar . .	6,000	24·494	...	24·461	24·564	21st	24·403	4th	·161	44·5	60·0	...	33·5	...	46·8	...	26·5	71·1	5th	27·0	31st	44·1
	Cherat . . .	*4,956*	25·824	0	25·792	25·888	10th	25·759	4th	·129	49·6	58·4	+2·9	44·0	+1·4	51·2	+2·2	14·4	67·1	6th and 7th	36·0	1st	31·1
	Murree . . .	6,333	23·940	+·023	23·908	23·995	21st	23·903	19th & 27th	·092	46·4	55·3	+2·5	41·8*	+2·8	48·5*	+2·7	13·5	69·0	5th	33·0	30th	36·0
	Kajiang . .	*10,087*	21·034§	...	20·979§	21·139	21st	20·860	18th	·279	22·5	46·7	+6·8	19·1	+0·3	33·0	+3·6	27·6	57·1	5th	13·0	21st	44·1
	Simla . . .	7,224	23·169	+·004	23·131	23·228	29th	23·107	3rd	·121	44·0	52·7	+3·3	41·2	+2·1	47·0	+2·7	11·5	60·2	6th	34·1	19th	26·1
	Sanain . . .	...	23·283	...	...	23·289	29th	23·157	3rd	·132	32·7	54·8	...	30·0	...	42·4	...	24·8	66·3	2nd	24·9	21st	41·4
	Chakrata . .	7,022	23·360*	+·022	23·320*	23·446	29th	23·258	4th	·188	44·4	?	?	?	?	?	?	?	?	?	?	?	?
	Muktesar . .	7,556	22·923	...	22·881	22·983	29th	22·855	3rd	·128	44·6	55·4	...	...	...	...	...	...	63·0	4th	...	...	...
	Darjeeling . .	7,376	23·082	+·007	23·037	23·144	11th	22·984	3rd	·160	43·9	52·6	+3·9	37·5	+0·9	45·1	+2·4	15·1	59·8	5th	33·2	14th	26·6
	Shillong . .	4,920	25·215	...	25·167	25·279	11th	25·118	3rd	·161	47·3	63·1	...	39·3	...	51·2	...	23·8	70·4	22nd	32·7	25th	37·7
	Cherra Poonjee .	4,309	25·781	...	25·732	25·845	20th	25·682	3rd	·163	55·7	63·0	...	48·7	...	55·9	...	14·3	73·7	6th	41·3	25th	32·4
	Maymyo . .	3,545	26·552	...	26·497	26·611	21st	26·426	3rd	·185	55·5	67·6	...	43·7	...	58·2	...	18·9	75·4	2nd	36·6	24th	38·8
	Pachmarhi . .	3,528	26·563	−·016	26·510	26·623	23rd	26·500	7th	·123	52·0	72·0	+1·7	42·2	−3·5	57·1	−0·9	29·8	75·7	28th & 29th	37·1	15th & 16th	38·6
	Mount Abu . .	3,945	26·167	−·001	26·117	26·209	23rd	26·115	8th & 19th	·094	60·7	69·1	+0·5	52·3	−0·6	60·7	−0·1	16·8	77·7	6th	48·4	4 days	29·3
	Mersara . .	3,781	26·269	−·017	26·202	26·336	26th	26·227	18th	·109	62·3	76·2	+1·0	58·0	+0·2	67·1	+0·6	18·2	80·5	3rd & 12th	51·0	29th	29·5
	Ootacamund . .	7,329	23·073	...	23·009	23·116	11th	23·030	7th	·086	52·8	62·6	...	43·5	...	53·1	...	19·1	68·5	30th	33·7	26th	34·8
	Kodaikanal . .	7,688	23·844	...	22·779	22·886	21st	22·805	3rd	·081	53·0	61·5	...	46·9	...	54·2	...	14·6	67·5	30th	41·0	25th & 26th	26·5
	Extra India.																						
	Singapore (a) .	10	29·931	...	29·862	30·013	31st	29·867	16th	·146	80·8	85·9	...	73·3	...	79·6	...	12·6	91·2	5th	71·4	27th	19·8
	Penang (a) . .	20	29·943	...	29·888	29·963	6th	29·906	3rd	·057	80·1	86·4	...	72·9	...	79·7	...	13·5	89·0	6 days	69·0	27th	20·0
	Trincomalee . .	12	29·984	+·019†	29·922	30·056	24th & 29th	29·861	16th	·195	75·9	84·5	+2·0	73·2	−1·3	78·9	+0·4	11·3	87·5	10th	69·5	24th	18·0
	Colombo . .	40	29·931	−·002	29·897	29·994	29th	29·858	15th	·136	76·6	86·7	−0·2	71·8	−1·2	79·3	−0·7	14·9	90·5	15th	67·5	7th	23·0
	Minicoy . .	7	29·970	...	...	30·013	11th	29·913	15th	·101	...	...	...	...	...	...	...	...	...	...	...	...	...
	Amini Divi . .	13	29·974	−·022	29·915	30·039	30th	29·902	16th	·137	81·1	87·0	+2·1	73·9	+0·1	80·4	+1·1	13·1	89·6	6th	67·1	8th	22·5
	Gyantse . .	13,120	...	...	...	...	...	...	...	...	14·4	43·4	...	4·0	...	23·7	...	39·4	51·9	1st	−4·1	23rd	56·0
	Pharijong . .	14,460	17·941	...	...	18·058	15th	17·865	25th	·193	20·5	41·1	...	4·6	...	22·9	...	36·5	53·3	26th	−2·5	20th & 30th	55·8
	Gangtok . .	5,960†	24·576	...	...	24·638	9th	24·478	3rd	·160	54·8	65·8‡	...	34·8‡	...	50·3‡	...	31·0	68·2	6th	31·5	3rd	36·7
	Kashgar (c) . .	4,355	25·690	...	...	26·120	17th	25·430	7th	·690	21·6	41·6	+5·0	18·9	+2·5	30·3	+3·8	22·7	50·2	6th	12·9	31st	37·3
	Kabul . . .	...	24·424	...	24·393	24·535	10th	24·307	29th	·228	32·2	61·4	+6·5	25·0	−2·7	43·3	+1·9	36·4	78·7	6th	20·2	11th & 22nd	58·5

N.B.—Elevations in italics indicate barometrical determinations.
NOTE.—The barometric readings are not reduced to sea-level, in the cases of hill or plateau stations, the elevations of which exceed 3,200 feet.
(a) 9 hrs. observations.

* Mean of 30 days.
‡ Mean of 7 days.
§ ,, 23 days.
(c) Aneroid corrected.

B—contd.

stations in India, etc., in December 1907.

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 1906 to 31st December 1907.	Normal rainfall for period, 1st to 31st December.	Departure from normal of period, 1st to 31st December 1907.	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	...	...	...	...	...	...	...	...	(a)	S 7°E	0·9	2·3	−1·4	...	...	76	+3	·131	−·024	1·7	−1·5	1	4·00	−3·00	0·18	0·81	−0·63	0·18	0·81	−0·63	0·10	Quetta.
...	...	...	13	13	1	...	...	1	S 67°E	S 52°E	5·0	6·7	−1·7	76	+4	52	−7	·135	−·040	2·0	−1·5	1	3·10	−2·10	0·23	0·92	−0·69	0·23	0·92	−0·69	0·20	Chaman.
6	10	6	7	...	...	...	2	...	N 33°E	...	6·4	...	...	56	...	51	...	·168	...	1·1	...	0	...	...	0·18	...	...	0·18	...	...	0·09	Robat.
																																Hill Stations excluding Kashmir and Baluchistan.
21	...	9	1	...	...	...	...	...	N 49°E	...	1·3	...	...	29	...	66	...	·136	...	6·5	...	0	...	...	0·11	...	...	0·11	...	...	0·06	Chitral.
31	...	...	...	...	...	...	...	...	(a)	...	2·5	...	...	...	...	53	...	·151	...	2·4	...	1	2·50	−1·50	0·10	0·79	−0·69	0·10	0·79	−0·69	0·10	Para Chinar.
4	21	...	...	1	1	...	...	4	N5°W	N13°W	11·3	13·2	−1·9	72	− 3	19	−26	·066	−·076	1·7	−2·0	0	...	...	0	1·00	−1·00	0	1·00	−1·00	0	Cherat.
17	6	1	1	2	2	...	1	1	N19°E	S84°E	6·8	7·1	−0·3	13	−16	42	− 4	·135	+·014	1·8	−2·3	0	1·50	−1·50	0·02	1·14	−1·12	0·02	1·14	−1·12	0·02	Murree.
...	2	2	20	6	...	1	...	...	S85°E	...	S 0·8	0·9	−0·1	81	...	60	...	·074	...	2·2	...	0	...	...	0	1·08	−1·08	0	1·08	−1·08	0	Kalang.
4	15	...	...	1	9	1	1	...	N12°W	N49°E	4·9	4·1	+0·8	17	− 5	26	−14	·070	−·036	1·5	−2·4	0	1·60	−1·60	0	1·23	−1·23	0	1·23	−1·23	0	Simla.
7	...	...	...	...	11	13	...	...	S24°W	...	3·7	...	...	71	...	80	...	·144	...	0·8	...	0	...	...	0	...	...	0	...	...	0	Sarain.
20	5	1	...	...	...	...	...	5	N17°W	N28°E	7·0	5·0	+2·0	30	− 7	37	−12	·106	−·029	[8]	−1·8	0	2·40	−2·40	0	1·16	−1·16	0	1·16	−1·16	0	Chakrata.
18	...	1	3	2	1	...	5	1	S31°W	...	3·9	...	...	3	...	37	...	·103	...	1·1	...	0	...	...	0·03	...	...	0·03	...	...	0·03	Mukteswar.
5	2	7	7	7	1	1	1	...	N89°E	S89°E	2·9	2·9	0	49	+ 8	62	−16	·174	−·023	1·9	−1·2	0	0·65	−0·65	0	0·23	−0·23	0	0·23	−0·23	0	Darjeeling.
14	2	...	6	6	2	1	...	...	S62°E	...	4·0	...	...	37	...	66	...	·218	...	1·9	...	2	0·70	+1·30	1·06	0·28	+0·78	1·06	0·28	+0·78	0·70	Shillong.
6	2	15	7	...	...	...	1	...	N53°E	...	4·2	...	...	69	...	58	...	·256	...	1·7	...	1	3·90	−2·90	0·51	0·21	+0·30	0·51	0·21	+0·30	0·40	Cherra Poonjee.
30	...	1	...	...	...	...	...	...	N45°E	...	0·7	...	...	3	...	82	...	·382	...	4·2	...	2	0·80	+1·20	2·63	0·45	+2·18	2·63	0·45	+2·18	1·67	Maymyo.
24	...	2	2	2	1	...	...	...	S78°E	S52°E	2·0	2·7	−0·7	17	+ 7	58	− 1	·226	−·079	0·1	−1·8	0	1·00	−1·00	0	0·47	−0·47	0	0·47	−0·47	0	Pachmarhi.
21	2	4	...	...	1	2	...	1	N13°E	N8°E	3·1	4·1	−1·0	10	− 4	31	−13	·165	−·060	0·2	−1·5	0	0·50	−0·50	0	0·21	−0·21	0	0·21	−0·21	0	Mount Abu.
...	4	14	10	3	...	...	...	...	N61°E	N72°E	3·9	6·4	−2·5	79	− 4	93	+13	·516	+·069	5·0	+0·2	2	1·00	+1·00	0·87	0·51	+0·36	0·87	0·51	+0·36	0·49	Mercara.
2	1	7	14	6	1	...	...	...	N88°E	...	4·6	...	...	76	...	63	...	·256	...	3·3	...	4	3·30	+0·70	1·18	1·65	−0·47	1·18	1·65	−0·47	0·46	Cotacamund.
...	6	2	8	5	1	...	1	8	N37°E	...	S 14·0	...	...	37	...	64	...	·255	...	4·3	...	5	8·10	−3·10	1·97	5·57	−3·60	1·97	5·57	−3·60	0·66	Kodaikanal.
																																Extra India.
2	10	6	...	...	...	...	2	11	N15°W	...	S 4·1	...	...	76	...	...	...	...	...	6·1	...	14	...	...	13·53	...	...	13·53	...	...	3·14	Singapore.
...	7	6	2	2	...	3	2	9	N11°W	...	S 1·6	...	...	46	...	...	...	...	...	0·5	...	10	...	...	7·42	...	...	7·42	...	...	2·05	Penang.
20	...	5	...	...	1	1	3	1	N20°W	N23°E	S 1·5	7·2	−5·7	10	−39	87	+ 1	·767	−·044	3·4	−1·5	6	...	...	6·04	15·90	−9·86	6·04	15·90	−9·86	4·61	Trincomalee
1	9	16	...	1	1	1	1	1	N37°E	N33°E	8·1	8·3	−0·2	72	− 6	81	+ 4	·747	−·054	4·0	−0·4	2	...	...	1·31	6·79	−5·48	1·31	6·79	−5·48	0·65	Colombo.
...	7	11	9	...	...	...	...	4	N38°E	N42°E	3·9	6·2	−2·3	71	+11	...	...	...	...	3·5	+0·2	5	...	...	1·87	4·66	−2·79	1·87	4·66	−2·79	0·98	Minicoy.
5	2	14	3	...	...	...	...	6	N28°E	...	...	...	...	61	...	73	0	·772	−·036	3·3	−0·3	2	...	...	0·94	0·32	+0·62	0·94	0·32	+0·62	0·66	Amini Divi
...	...	...	1	13	15	2	...	...	S19°E	...	2·5	...	...	90	...	75	...	·065	...	...	...	0	...	...	0	...	...	0	...	...	0	Gyantse.
20	5	1	...	2	...	2	1	...	N6°W	...	7·2	...	...	10	...	94	...	·109	...	0·3	...	0	...	...	0	...	...	0	...	...	0	Pharijong.
29	...	2	...	...	...	...	...	...	N45°E	...	2·1	...	...	3	...	34	...	·140	...	0·3	...	0	...	...	0·01	...	...	0·01	...	...	0·01	Gangtok.
26	1	...	...	...	...	...	...	5	N39°W	N8°W	0·3	0·9	−0·6	23	+16	...	...	...	...	2·0	−2·8	0	...	...	0	0·19	−0·19	0	0·19	−0·19	0	Kashgar.
...	4	...	...	...	...	3	10	14	N61°W	S56°W	...	...	...	76	+58	60	...	·113	...	2·4	−0·8	1	...	...	0·50	0·29	+0·21	0·50	0·29	+0·21	0·50	Kabul.

[8] Uncorrected.
(a) Indeterminate.

Table

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

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.
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Extra Iddia— *concld.*																						
Meshed . .	3,104	26·904	...	26·882	27·187	6th	26·665	3rd	·522	32·4	55·2	...	27·2	−3·6	41·2	...	28·0	68·0	4th	14·8	30th	53·2
Nask* . . .	13	30·134	+·010	30·104	30·229	30th	30·066	13th	·133	67·4	78·4	+0·4	62·8	−1·0	70·6	−0·3	15·6	86·3	5th	58·8	30th	27·5
Muscat . . .	20	30·137	+·020	30·105	30·218	30th	30·049	4th	·169	70·7	80·8	+5·4	63·2	−2·5	74·5	+1·5	12·6	86·3	7th	65·1	18th & 20th	21·2
Bahrein . .	18	30·197	...	30·168	30·326	23rd	30·060	25th	·266	65·7	69·7	...	59·5	...	64·6	...	10·2	80·1	3rd	52·8	30th	27·3
Bushire . .	14	30·154	+·020	30·127	30·269	23rd	30·062	8th	·207	56·4	68·4	−0·8	54·3	−1·1	61·3	−1·0	14·1	82·1	3rd	44·1	24th	38·0
Busrah . .	25	30·238	...	30·225	30·374	22nd & 23rd	30·090	19th	·284	52·6	65·0	...	...	...	...	...	...	79·3	1st	...	...	...
Ispahan (b) . .	*5,817*	24·339	...	...	24·500	6th	24·170	20th	·330	30·7	53·7	+1·4	28·8	−0·4	41·3	+0·5	24·9	64·3	21st	21·2	25th	43·1
Tehran (b) . .	*4,002*	26·032	...	...	26·200	6th	25·820	20th & 22nd	·380	35·5	52·5	+1·2	32·3	−1·5	42·4	−0·2	20·2	59·5	6th, 11th & 13th	24·7	23rd, 24th & 25th	34·8
Baghdad . .	120	30·095	+·084	30·309	30·280	22nd	29·801	19th	·479	45·8	62·9	−0·4	42·3	−0·6	52·7	−0·5	20·6	71·8	18th	32·8	27th	39·0
Beirut . . .	...	...	...	30·089	...	...	...	...	...	58·0	65·5	...	53·9	...	59·7	...	11·6	71·8	6th	44·0	20th and 21st	27·8
Aden . . .	94	30·013	+·018	30·040	30·059	11th	29·953	4th	·106	75·5	81·2	−0·6	73·1	+0·1	77·2	−0·3	8·1	85·3	4th	67·9	11th	17·4
Perim . . .	201	...	...	...	...	...	...	...	...	79·1	84·4	+0·1	73·8	−0·8	79·1	−0·4	10·6	86·3	2nd	72·4	6th	13·9
Zanzibar . .	72	29·941	+·011	29·940	29·996	2nd	29·859	9th	·137	82·2	86·7	+0·9	79·4	−0·1	83·0	+0·4	7·3	88·0	22nd	75·1	16th	12·9
„ Dunga .	*154*		...	...	...	...	...	...	...	80·9	89·6	...	80·5	...	85·1	...	9·1	92·5	29th & 30th	77·3	11th	15·5

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

* Mean of 29 days.

B—*concld.*

stations in India, etc., in December, 1907.

WIND DIRECTION.											WIND VELOCITY.			WIND. STEADINESS.		HYGROMETRY, 8 HRS.				CLOUD.		RAINFALL.												STATION.
Number of winds from									Resultant direction.	Normal direction.	Mean velocity, miles per hour.	Normal.	Departure from normal.	Actual percentage.	Departure from normal.	Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Mean cloud amount at 8 hrs.	Departure from normal.	Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st to 31st December 1907.	Normal rainfall for period, 1st to 31st December.	Departure from normal of period, 1st to 31st December. 1907	Heaviest rainfall during month.	
Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.																									
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
28	...	...	...	...	2	...	1	...	S27°W	...	S 2·0	...	...	7	...	86	...	·162	...	2·8	−2·7	0	...	...	0·01	0·70	−0·69	0·01	0·70	−0·69	0·01	Meshed.
4	1	17	2	1	...	...	...	4	N38°E	N23°E	9·2	10·3	−1·1	67	−6	66	−4	·450	−·038	2·9	+0·5	1	...	...	0·69	0·78	−0·09	0·69	0·78	−0·09	0·69	Jask.
23	...	...	...	...	...	...	...	8	N45°W	S74°W	3·0	4·0	−1·0	27	−10	66	−2	·500	−·049	1·7	−0·3	1	...	...	0·14	0·26	−0·12	0·14	0·26	−0·12	0·14	Muscat.
...	3	...	1	2	...	1	9	15	N56°W	...	9·2	...	...	68	...	82	...	·533	...	0·5	...	...	...	...	0·03	...	...	0·03	...	...	0·03	Bahrein.
3	8	6	4	6	1	...	...	3	N49°E	N63°E	10·8	6·5	+4·3	46	−12	81	+7	·373	−·007	3·3	+1·0	1	...	...	0·80	3·24	−2·44	0·80	3·24	−2·44	0·80	Bushire.
4	1	...	...	3	2	4	10	7	S86°W	...	S 5·8	...	...	52	...	77	...	·319	...	3·6	...	1	...	...	0·30	...	...	0·30	...	...	0·27	Busrah.
30	...	...	...	...	...	1	...	...	S45°W	S85°W	1·4	2·6	−1·2	6	−35	77	−4	·135	−·030	3·0	−0·8	1	...	...	0·23	0·54	−0·31	0·23	0·54	−0·31	0·23	Ispahan.
2	8	19	1	...	...	1	...	...	N34°E	N11°E	4·3	2·7	+1·6	81	+47	77	+13	·163	+·006	1·7	−1·9	4	...	...	1·72	1·37	+0·35	1·72	1·37	+0·35	0·90	Tehran.
13	13	...	...	1	2	...	1	1	N5°W	N3°W	7·9	3·0	+4·9	36	+16	70	−8	·226	−·042	2·3	+0·3	1	...	...	0·17	1·64	−1·47	0·17	1·64	−1·47	0·10	Baghdad.
5	...	1	3	16	...	6	...	...	S36°E	...	...	...	...	62	...	71	...	·343	...	5·6	...	6	...	...	5·99	...	...	5·99	...	...	1·85	Beirut.
1	2	28	...	...	...	...	...	...	N43°E	N76°E	11·6	12·9	−1·3	96	+24	75	+1	·657	+·002	5·0	−0·2	0	...	...	0·07	0·37	−0·30	0·07	0·37	−0·30	0·03	Aden.
...	...	...	1	9	21	...	...	...	S15°E	S82°E	18·2	19·3	−1·1	90	+3	78	+4	·775	+·075	...	...	1	...	...	0·15	0·08	+0·07	0·15	0·08	−0·07	0·15	Perim.
5	14	8	2	1	1	...	...	...	N24°E	N85°E	5·8	6·3	−0·5	65	+21	79	−2	·863	−·009	5·1	−0·3	7	...	...	5·46	2·77	+2·69	5·46	2·77	+2·69	1·38	Zanzibar.
7	22	...	...	...	...	...	2		N2°W	...	7·7	...	...	74	...	86	...	·913	...	0	...	3	...	...	2·05	...	...	2·05	...	...	0·97	Zanzibar. Dunga.

§ Uncorrected.

Table C.—Abstract of observations taken at 8 hrs. at 22 fourth class stations in India, etc., in December 1907.

TABLE

Abstract of observations taken at 8 hrs. at 22 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 maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.	Number of winds from.									Resultant direction.	Normal direction.
															Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
	II.—Eastern Bengal and Assam.																								
4	Bishnath	48·3	75·6	...	41·2	...	58·4	...	34·4	83·4	2nd	36·4	19th	47·0	...	...	...	...	...	...	...	...	...	...	...
	Borjuli	54·3	79·6	...	43·8	...	61.7	...	35·8	86·0	4th	39·2	19th	45·8	...	...	...	...	...	...	...	...	...	...	...
	Chandkhira	57·4	78·7	...	50·7	...	64·7	...	28·0	85·5	11th	42·5	26th	43·0	.	...	...	...	...	...	...	...	...	...	...
	Doom Dooma	50·9	55·0	...	45·9	...	50·5	...	9·1	68·1	1st	42·8	27th	25·3	...	...	...	...	...	...	...	...	...	...	..
	Dikom	51·6	75·2	...	44·6	...	59·9	...	30·6	80·8	1st & 2nd	39·5	8th	41·3	...	...	...	...	...	...	...	...	...	...	...
	Golaghat	55·5	73 2	...	47·3	...	60·3	...	25·9	77·9	1st & 2nd	43·6	27th to 30th	34·3			...	...	...	...	...	...	...	...	...
	Hailakandi	57·0	80·0	...	49·8	...	64·9	...	30·2	87·8	11th	43·0	6th	44·8			...	...	...	...	...	...	...	...	...
	Jorehat	54·4	75·2	...	49·1	...	62·2	...	26·1	82·7	1st	44·8	27th	37·9			...	...	...	...	...	...	...	...	...
	Messa	62·6	82·1	...	43.2	...	62·7	...	38·9	85·9	3rd	39·5	30th	46·4		.	...	...	...	...	...	...	...	...	...
	Panerihat	48·1	75·3	...	46·6	...	61·0	...	28·7	78·8	1st	42·0	16th	36·8	...		...	...	...	...	...	...	...	...	...
	Srimangal	55 3	81·0	...	49·9	...	65·5	...	31·1	88·8	11th	42·2	26th	46·6	.	...	...	...	...	...	...	...	...	...	...
	Tura *	71·8	76·7	...	58·7	...	67·7	...	18·0	81 6	6th & 7th	55·4	13th & 14th	26·2	...	4	6	2	3	1	12	2	1	S 45 °W	...
5	Brahmanbaria	62·1	80·6	...	53·6	...	67·1	...	27·0	86·6	16th	45·9	26th	40·7		...	...	...	...	...	...	...	...	...	...
	Dam Dim	53 8	85·3	...	41·5	...	63·4	...	43·8	88·1	26th	38·0	11th	50·1			...	...	...	...	...	...	...	...	...
	Goalundo	60·0	78·6	...	49·6	...	64·1	...	29 0	84·9	1st	41·8	26th	43·1	..		...	...	...	...	...	...	...	...	...
	Kalchini	61·0	77 2	...	45·7	...	61·5	...	31·5	82·0	1st	41·5	16th	40·5	.	...	...	...	...	...	...	...	...	...	...
	Nagrakata	62·6	80·0	...	...	...	...	...	...	84·1	6th	...	.	...	.	...	...	...	...	...	...	...	...	...	...
	Pabna	60·5	82·3	...	52·1	...	67·2	...	30·2	89·4	1st, 3rd & 10th.	47·0	26th	42·4	..	...	...	...	...	...	...	...	...	...	...
	III.—Bengal.																								
6	Fraserganj	66·4	...	...	...	...	...	...	...	...	...	...	...	...	...	27	...	...	...	1			3	N 4 °W	...
	XI.—Central Provinces.																								
24	Chhindwara	...	...		...	Obser	vatory	not	opened.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Hill Stations.																								
	Panighatta	64·0	77·2	...	54·3	...	65·8	...	22·9	81·3	7th	50·6	3rd	30·7			...	...	.		...	...	...	...	
	Kurseong	50·6	62·4	...	47·1	...	54·8	...	15·3	67·8	6th	44·8	25th & 26th	23·0	.	...	...	...	...	...	...	...	...	...	...
	Poo	...	47·8	...	29·6	...	38·8	...	8·2	58·3	6th	24·0	20th	34·3	26	...	1	1	3	...	...	...	...	S 76 °E	...
	Killa Drosh	40·3	55·7	...	36·6	...	46·2	...	19·1	62·8	6th	34·0	4 days	28·8	25	.	2	...	4	...	...	...	...	S 76 °E	...
	Pishin	...	59·8	...	24·6	...	42·1	...	35·4	71·3	6th	17·6	17th	53 7	...		...	...	...	.	...	...	...	...	...
	Extra India.																								
	Birjand †	38·8	52·9	...	33·0	...	42·5	...	20·9	62·0	21st	17·6	24th	44·4	11	3	11	1	...	1	..	.		N 42 °E	...
	D'thala	...	...	...	...	..	...	...	...	Observa	tory closed	from 26t	h September	1907.			..	..	...	...		...	...	...	...

* Observations of 10 hours.
† Observations of 27 days.

C.

class stations in India, etc., in December 1907.

WIND VELOCITY.			WIND STEADINESS.		HYGROMETRY, 8 HRS.				CLOUD.		RAINFALL.										Station.
Mean velocity miles per hour.	Normal.	Percentage departure from normal.	Actual percentage	Departure from normal.	Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs in inches of mercury.	Departure from normal in inches of mercury.	Mean cloud amount at 8 hrs.	Departure from normal.	Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st to 31st December 1907.	Normal rainfall for period, 1st to 31st December.	Departure from normal of period, 1st to 31st December 1907.	Heaviest rainfall during month.	
27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
																					II.—Eastern Bengal and Assam.
...	...	...	...	...	97	...	·337	...	...	...	1	...	...	0·14	...	...	0·14	...	...	0·10	Bishnath.
...	...	...	...	...	86	...	·369	...	...	...	0	...	...	0·08	...	...	0·08	...	...	0·08	Borjuli.
...	...	...	...	...	95	...	·456	...	...	...	3	...	...	1·06	...	...	1·06	...	...	0·74	Chandkhira.
...	...	...	...	...	93	...	·354	...	...	...	2	...	...	0·33	...	...	0·33	...	...	0·19	Doom Dooma.
...	...	...	...	...	89	...	·343	...	...	...	2	...	...	0·32	...	...	0·32	...	...	0·16	Dikom.
...	...	...	...	...	93	...	·415	...	...	...	1	...	...	0·62	...	...	0·62	...	...	0·42	Golaghat.
...	...	...	...	...	95	...	·446	...	...	...	4	...	...	1·04	...	...	1.04	...	...	0·56	Hailakandi.
...	...	...	...	...	94	...	·405	...	...	...	2	...	...	0·53	...	...	0·53	...	...	0·34	Jorehat.
...	...	...	...	...	78	...	·416	...	...	...	1	...	...	0·31	...	...	0·31	...	...	0·25	Messa.
...	...	...	...	...	94	...	·323	...	...	...	0	...	...	0	...	...	0	...	...	0	Panerihat.
...	...	...	...	...	88	...	·414	...	...	...	2	...	...	0·83	...	...	0·83	...	...	0.56	Srimangal.
...	...	...	13	...	55	...	·437	...	2·7	...	1	...	...	0·24	...	...	0·24	...	...	0·17	Tura.
...	...	...	...	...	88	...	·486	...	...	...	3	...	...	1·97	...	...	1·97	...	...	1·18	Brahmanbaria.
...	...	...	...	...	90	...	·377	...	...	...	0	...	...	0	...	...	0	...	...	0	Dam Dim.
...	...	...	...	...	85	...	·439	...	...	...	1	...	...	0·52	...	...	0·52	...	...	0·52	Goalundo.
...	...	...	...	...	78	...	·428	...	...	...	0	...	...	0·03	...	...	0·03	...	...	0·03	Kalchini.
...	...	...	...	...	67	...	·382	...	...	...	0	...	...	0	...	...	0	...	...	0	Nagrakata.
...	...	...	...	...	87	...	·461	...	...	...	2	...	...	0·49	...	...	0·49	...	...	0·28	Pabna.
																					III.—Bengal.
...	...	...	90	...	78	...	·506	...	...	...	1	...	...	0·40	...	...	0·40	...	...	0·40	Fraserganj.
																					XI.—Central Provinces.
Observatory		not opened		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Chhindwara.
																					Hill Stations.
...	...	...	...	...	53	...	·315	...	...	...	0	...	...	0	...	...	0	...	...	0	Panighatta.
...	...	...	...	...	88	...	·327	...	...	...	0	...	...	0·01	...	...	0·01	...	...	0·01	Kurseong.
...	...	...	13	...	...	...	...	...	2.2	...	0	...	...	0	1·05	−1·05	0	1·05	−1·05	0	Poo.
...	...	...	13	...	53	...	·134	...	2·0	...	0	...	...	0·06	...	...	0·06	...	...	0·04	Killa Drosh.
...	...	...	...	...	...	...	...	...	...	...	1	...	...	0·16	1·20	−1·04	0·16	1·20	−1·04	0·05	Pishin.
																					Extra India.
...	...	...	52	...	(a) 45	...	(a) ·100	...	2·9	...	1	...	...	0·11	...	...	0·11	...	...	0·10	Birjand.
...	...	Observatory closed from			26th		September 1907		...	...	...	...	...	...	...	...	...	...	...	...	D'thala.

(a) Mean of 26 days

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

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

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

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Photo., S. I. O., Calcutta.

LITHO. BY N. L. HALDER.

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

PLATE III

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

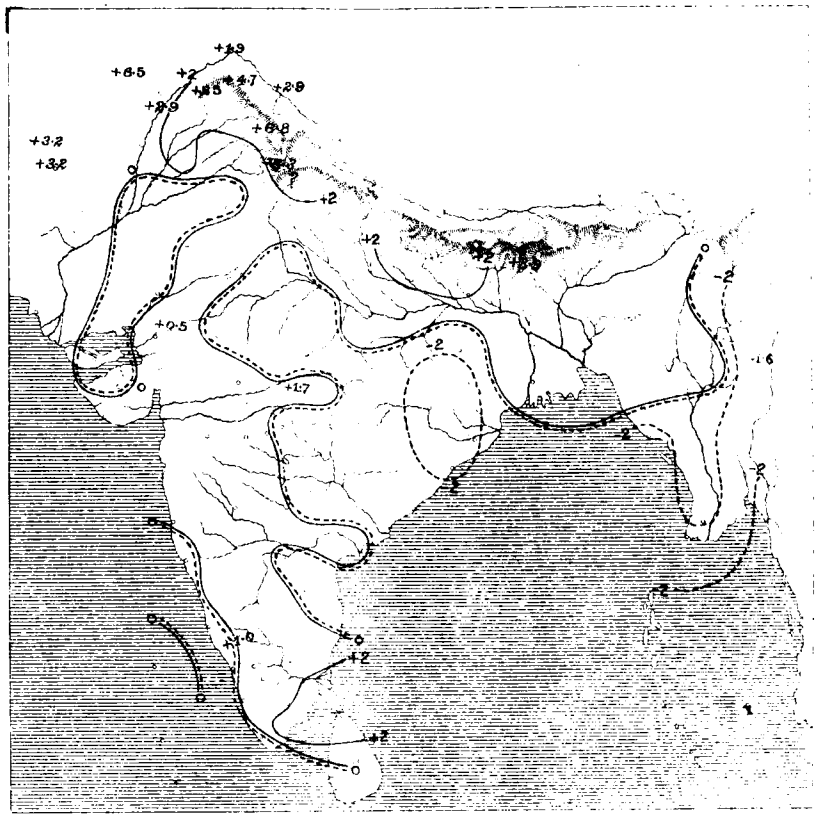


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MINIMUM TEMPERATURE.

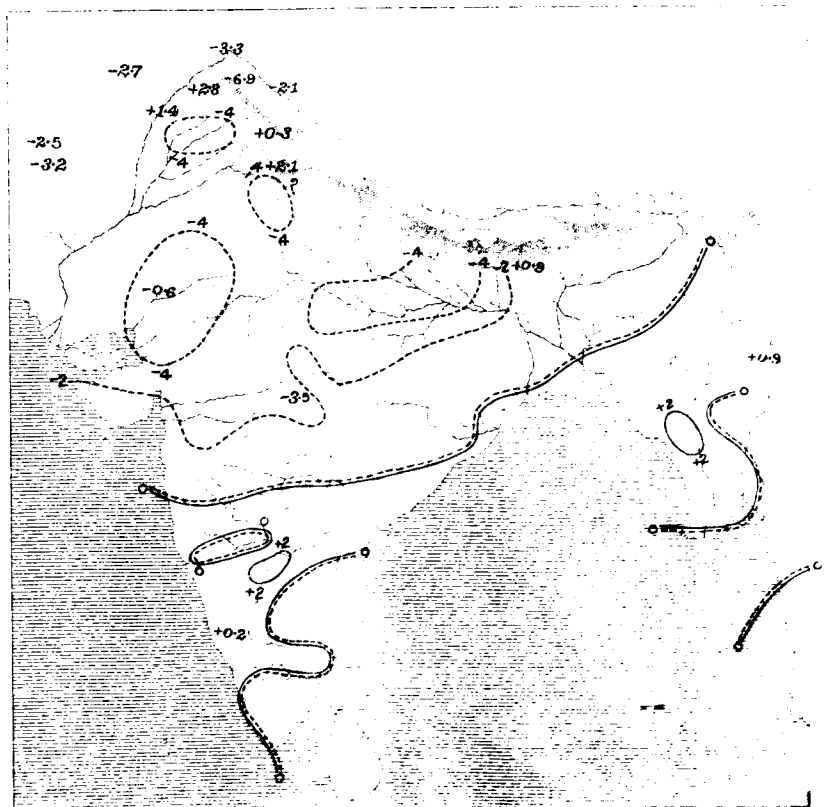


PLATE IV

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

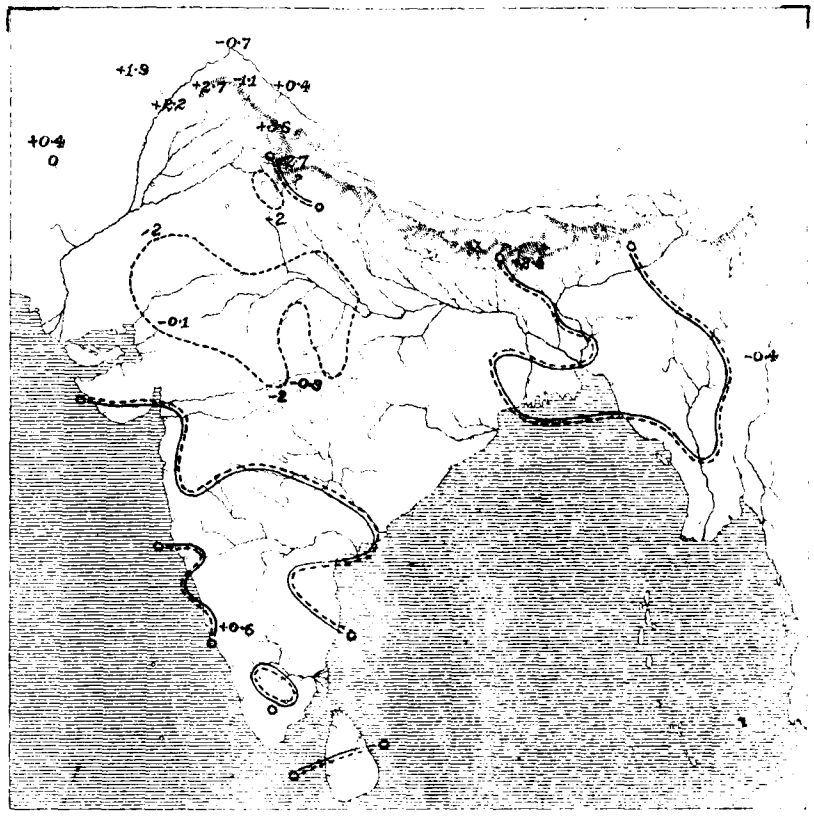


CHART SHEWING THE MONTHLY MEAN OF PRESSURE AND RESULTANT WIND DIRECTION.

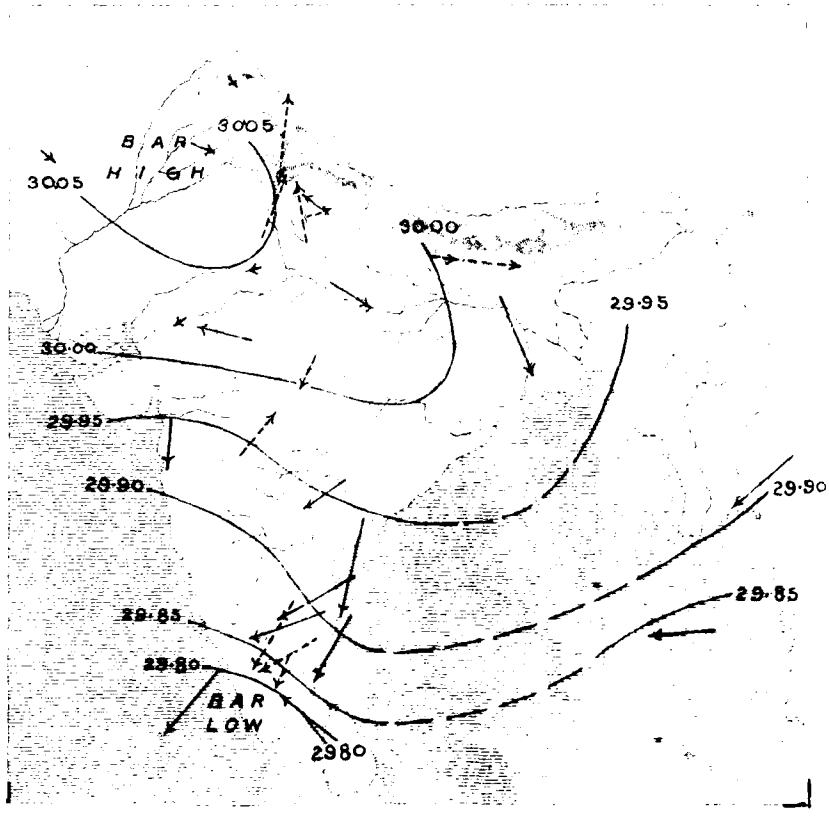


PLATE V.

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

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

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

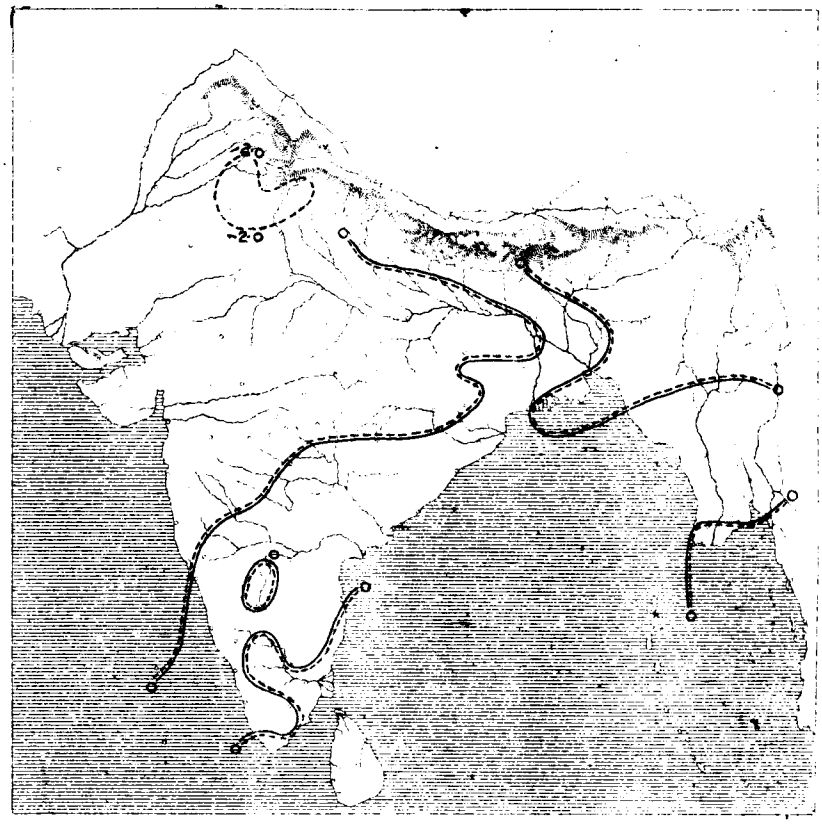
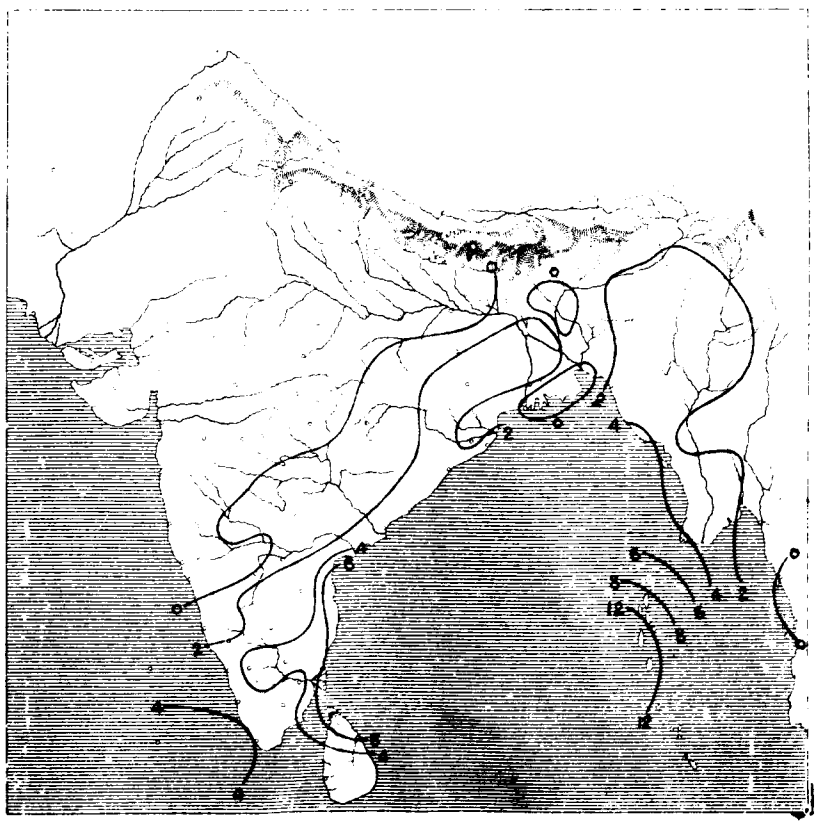


CHART SHEWING THE TOTAL NUMBER OF DAYS IN THE MONTH ON WHICH RAINFALL EQUALLED OR EXCEEDED 0·10 INCH.

(BASED ON THE RETURNS OF TABLE 8.)



LITHO BY R.N. BANERJEE

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

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