GOVERNMENT OF INDIA

METEOROLOGICAL DEPARTMENT

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INDIA WEATHER REVIEW

ANNUAL SUMMARY, 1908

CONTENTS

	Page.
Introduction	131
Solar Magnetic and Seismic Activity	132
Solar Radiation	138
Nocturnal Radiation	140
Temperature of the Ground	141
Temperature	142
Atmospheric Pressure	155
Storms	163
Winds	164
Humidity	168
Cloud	178
Snowfall	184
Rainfall	186
Table A.—Abstract of observations taken at 10 hrs., and 16 hrs., at 37 stations in India, etc., in the year 1908	cccxxi
Table B.—Abstract of observations taken at 8 hrs., at 243 stations in India, etc., in the year 1908	cccxxvii
Table C.—Abstract of observations taken at 8 hrs., at 32 fourth-class stations in India, etc., in the year 1908	cccxliii
Addenda Sheets	cccxlvii
Corrigenda in the India Monthly Weather Reviews for the year 1908	ccclxiii
Plates I—VI	..
Publications of the India Meteorological Department	*a* to *d*

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UNDER THE DIRECTION OF

GILBERT T. WALKER, M.A., Sc.D., F.R.S.

DIRECTOR-GENERAL OF OBSERVATORIES

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ANNUAL SUMMARY, 1908.

INTRODUCTION.

Several systems of territorial division of India have come into use from time to time for meteorological purposes, each having been adopted to meet the needs of some particular set of data. A certain amount of confusion had been found to result from the consequent want of uniformity of boundaries, and, with a view of obviating the inconvenience caused, the Government of India in 1907 authorised the adoption of the following systems of division :—

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

The system of division is illustrated in Plate I at the end of this Annual Summary, and its relationship to the old system of divisions which was adopted for the tables of the 'Geographical Summary' given in former issues can be obtained by reference to pages 9 to 14 of Volume III of the Indian Meteorological Memoirs.

The data of Table B in the monthly reviews and in the present annual part are obtained, with a few exceptions, from the observations telegraphed daily to Simla for publication in the Daily Weather Report. In the case of thermometric observations, they are telegraphed to the nearest half degree. Hence the maximum and minimum temperature data of the second class observatories derived from these telegraphic reports and given in Table B, occasionally differ to some slight extent from the means of the more exact data (recorded to the tenth of a degree) tabulated in the observation forms sent to the Calcutta Office, and used in the calculation of the mean temperature data in Table A. There is also another reason why the data of mean maxima and minima in Tables A and B differ to a slight extent. In Table B the daily or 24 hour period is assumed to end at 8 hrs. and in Table A at midnight [except for rainfall the period of which ends at 8 hrs.], and hence the maximum temperature in Table B for any month of 31 days at any station gives the mean for 31 periods of 24 hours ending at 8 hrs. of the 31st, and in Table A for the same number of 24 hour periods ending at midnight on the 31st, and hence virtually of a monthly period one day in advance of the former. Similarly for months of 28, 29 or 30 days. These remarks will explain some of the slight discrepancies which may be found between the maximum and minimum temperature mean data in Tables A and B, and hence also in the monthly mean departure data given in these tables in the monthly reviews and annual summary.

Solar, Magnetic and Seismic Activity.

Report from Kodaikanal Observatory.

The observing weather did not differ much from that of the preceding year except in November when unusually fine weather prevailed and visual prominence observations were made on 27 days. There were, however, 20 days in the year when no solar observations were possible as against 13 in 1907. The following table shows for each month the observations that were made.

TABLE I.

—	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
A	29	27	31	30	31	28	28	29	29	26	27	29	344
B	8	5	1	16	14	7	4	11	8	3	10	9	96
C	28	27	29	30	31	22	14	25	27	21	27	29	310
D	29	27	31	30	31	25	27	28	29	25	27	29	338
E	29	27	31	30	31	25	26	29	28	25	27	29	337

A : spots observed ; B : spot spectra observed ; C : prominences observed ; D : photoheliograms taken ; E : spectroheliograms taken.

Sunspots.—There was a considerable fall in spot activity in the year under report, there having been only 262 new groups with a daily average of 3·9, against 301 and 4.6 in 1907. The maximum daily average in any one month was 5 3 in April, as against 7·1 in February 1907 and 7·2 in July 1906.

On four days the sun's surface was quite free from spots at the time of observation. The lower spot activity is also indicated by the fact that there were fewer returns of old spots and only one returned for a second time; in the previous year there were many returns and one of them came round five times.

During the whole of 1906 northern groups were far more abundant than southern ones and this state continued till March 1907. In April the southern groups preponderated and have continued to do so except in September and October 1907, and June, October and December 1908. In April, groups were nearly three times as numerous in the south as in the north.

The mean latitude of the spots varied somewhat irregularly from month to month but the mean latitude for 1908 was less than for 1907. The change was from 10°·9 in the northern hemisphere and 12° 4 in the southern in 1907, to 9°·9 in the northern and 10° 7 in the southern in 1908. This change is normal for this epoch in the spot cycle.

The following table shows the monthly number of new groups observed, the mean daily number of spots visible, and the distribution between the northern and southern hemispheres :—

TABLE 2.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
New groups . .	24	17	16	35	26	19	23	26	21	15	19	21	262
Daily number .	3·5	3·4	2·7	5·3	4·4	3·8	3·5	5·0	5·0	2·9	3·6	3·7	3·9
North . . .	11	6	4	9	9	11	8	12	11	8	9	12	110
South . . .	13	11	12	26	17	8	15	14	10	7	10	9	152

Prominences.—Prominences were recorded visually on 310 days, against 305 in 1907. On 48 days the combined visual and photographic record was imperfect owing to unfavourable weather conditions. The year as a whole was one of great activity. The mean profile area for the first six months reached 6·67 square minutes per diem, this being considerably in excess of any previous estimates. During the second half of the year the mean area fell to 3·93 square minutes per diem.

The general activity of the two hemispheres compared with the previous year is given in the following table :—

Mean daily profile areas of Prominences.

	1907. Square minutes.	1908. Square minutes.
North ...	1·92	2·41
South ...	2·27	2·98
Total ...	4·19	5·39

The unsymmetrical distribution of the prominences in the two hemispheres noticed in the last report has continued and the southern polar region has produced many large prominences; the activity of this region however showed a marked decrease in the later months of the year.

There were two zones of great activity in the northern hemisphere, in latitudes 10° to 15° and 30° to 35°, whilst south of the equator the greatest activity was in the zone 15° to 20°, with a secondary maximum between 45° and 55°.

Metallic prominences were far more numerous in the southern hemisphere than in the northern and they extended over a greater range of latitude in the south than in the north.

The mean and extreme latitudes observed are given in the following table :—

TABLE 3.

—	Number observed.	Mean latitude.	Extreme latitudes.	
North	23	14°·6	3°	34°
South	58	16°·8	2°	50°

There were in addition to the above three metallic prominences recorded in high latitudes; one in the north in latitude + 69° and two in the south in latitudes — 58° and — 78°.

The prominence activity in each month may be estimated from the following table :—

TABLE 4.

Month.	Prominences one minute or more in height.	Metallic prominences.
January	71	21
February	53	8
March	69	12
April	88	16
May	67	9
June	33	3
July	27	...
August	48	4
September	25	...
October	42	2
November	52	6
December	39	3

The usual apparent deficiency of metallic and tall prominences during the monsoon months is evident, but November having been exceptionally fine, as noted above, does not show this deficiency.

C. MICHIE SMITH,

Director,

Kodaikanal and Madras Observatories.

The Alibagh (Bombay) Magnetic Record.

The mean values of the magnetic elements obtained from all days in the year are as follow :—

Mean easterly declination ...	... 1° 2′ 15″.
Horizontal force	... 0·36857 C.G.S. unit.
Vertical force	... 0·15922 „ „
Inclination (calculated) ...	... 23° 21′·8.
Inclination (observed twice a week)	... 23° 21′·1.

During the year there were 135 calm days, 199 days of small, 26 days of moderate, and 6 days of great disturbance. The same for the year 1907 were 122, 211, 29 and 3 respectively.

The largest disturbance during the year was recorded on the 12th September. It commenced first as an increasing disturbance a little after noon on the 11th September, and the small but active movements continued till about 2·6 hours of the 12th. Continuous with these movements appears the large decreasing disturbance with the distinctive features usually associated with solar disturbances, a sudden abrupt rise (in this disturbance equal to about 120 γ) and a rapid fall thereafter. The greatest effect of the disturbance was reached when the force indicated its lowest value at about 10 hours on the 12th corresponding to a fall of about 415 γ. After this the restitution to normal conditions began by irregular fine movements of very small period. Normal conditions were reached by about the midnight of the 12th.

The following is a list of days selected as 'quiet' for the purposes of the Magnetic Survey of India during the year :—

TABLE 5.

1908.	Selected 'quiet' days.				
January	1	14	17	20	26
February	2	14	15	19	21
March	6	14	15	18	24
April	2	10	13	20	30
May	6	15	16	19	22
June	5	10	11	23	28
July	2	8	14	23	31
August	5	6	16	24	27
September	1	14	15	21	26
October	9	10	11	23	25
November	4	5	16	23	27
December	2	11	16	21	28

The following table prepared in accordance with the suggestions made by the International Commission, Terrestrial Magnetism, represents the magnetic character of each day during the year :—

TABLE 6.

1908.	MONTH.											
Date.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	0	0	1	1	1	1	0	1	0	1	1	0
2	1	0	1	0	2	1	0	1	0	1	1	0
3	1	2	1	0	1	2	0	1	1	1	1	1
4	1	1	1	0	1	1	0	1	1	1	0	2
5	1	1	1	1	1	0	1	0	2	2	0	1
6	1	2	0	2	0	1	1	0	2	1	0	1

TABLE 6—*concld.*

1908.	MONTH.											
Date.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
7	1	1	1	1	0	0	1	1	1	1	1	1
8	1	1	2	1	1	1	0	1	2	1	2	1
9	2	1	1	0	0	0	0	2	1	0	1	0
10	0	1	1	0	1	0	0	1	1	0	1	0
11	1	1	1	0	1	0	0	1	1	0	1	0
12	1	1	0	0	1	0	1	2	2	2	1	1
13	0	1	0	0	1	1	0	1	1	1	0	1
14	0	0	0	1	1	1	0	1	0	1	1	0
15	1	0	0	1	0	1	1	1	0	1	1	0
16	0	1	1	1	0	0	2	0	2	1	0	0
17	0	1	1	1	1	1	1	1	1	0	2	1
18	0	0	0	1	0	1	1	1	1	1	1	1
19	1	0	1	1	0	1	0	2	1	1	0	1
20	0	0	1	0	0	1	0	1	0	0	1	0
21	1	0	1	1	1	1	0	2	0	0	1	0
22	0	2	0	1	0	0	0	1	1	0	0	0
23	0	1	0	1	1	0	0	0	0	0	0	1
24	1	1	0	1	1	1	1	0	1	0	1	0
25	1	0	1	1	1	1	1	1	1	0	0	1
26	0	1	2	1	2	1	0	1	0	1	0	1
27	1	1	2	1	1	1	0	0	1	1	0	0
28	1	1	1	1	2	0	0	1	2	0	1	0
29	2	1	1	1	1	1	0	1	2	0	1	0
30	1	...	1	0	1	1	0	1	2	0	0	0
31	1	...	1	...	1	...	0	1	...	2	...	0
	22	23	25	21	25	21	11	29	30	21	20	15

In the above table 0 represents calm day.
" " 1 " small disturbance.
" " 2 " larger disturbance.

Table 7 gives the corrected monthly mean absolute values of the several magnetic elements as also the summed ranges of the horizontal force. In table 8 will be found a list of seismic disturbances recorded by the Milne's seismograph.

Table 7.—Monthly values of magnetic elements.

Months 1908.	Absolute values of				Horizontal force.	
	Horizontal force in C.G.S.	Vertical force in C.G.S.	Inclination.	Easterly declination.	Summed ranges.	Summed ranges (smoothed.)
			° ′	° ′ ″	C.G.S.	C.G.S.
January	0·36870	0·15880	23 18·1	1 3 10	·00244	·00317
February	·36868	·15891	23 19·0	1 2 58	·00292	·00320
March	·36860	·15908	23 20·7	1 2 58	·00322	·00314
April	·36858	·15908	23 20·7	1 2 57	·00332	·00308
May	·36860	·15908	23 20·7	1 2 32	·00310	·00306
June	·36869	·15919	23 21·2	1 1 45	·00361	·00301
July	·36868	·15921	23 21·4	1 1 33	·00360	·00298
August	·36854	·15935	23 22·9	1 1 42	·00312	·00294
September	·36827	·15945	23 24·6	1 2 4	·00211	·00293
October	·36817	·15948	23 24·2	1 1 43	·00311	·00294
November	·36841	·15942	23 23·9	1 1 59	·00259	·00296
December	·36858	·15957	23 24·5	1 1 35	·00226	·00295

NOTE.—Summed range means sum without regard to signs of 24 ordinates of diurnal inequality: smoothed ranges are derived from running means of 12 consecutive monthly means reduced to the proper epoch so as to eliminate the annual variation.

A general fall in the curve of smoothed ranges after the secondary maximum in July 1907 referred to in the last year's report is indicated. A small retardation in the fall exhibited by a peak in February 1908 is the only notable feature of the curve during the year.

Table 8.—Disturbances recorded by Milne's seismograph at Colaba.

No.	Date 1908.	Beginning.		Maximum.		End.		Maximum amplitude.	Duration.	
		H.	M.	H.	M.	H.	M.	M.M.	H.	M.
9	January 11	3	43·0	4	3·4	5	2·3	3·5	1	19·3
11	,, 12	10	27·9	10	29·5	10	42·1	1·2	0	14·2
15	,, 15	13	16·1	13	41·2	14	14·7	1·1	0	58·6
46	February 9	18	16·9	18	27·8	19	13·4	4·6	0	56·5
79	March 5	2	26·9	2	52·8	3	57·3	1·9	1	30·4
88	,, 13	6	32·7	6	33·5	6	47·1	0·7	0	14·4
99	,, 21	4	18·8	4	25·3	4	30·2	0·5	0	11·4
103	,, 23	12	31·6	12	57·4	13	36·5	0·8	1	4·9
111	,, 26-27	23	24·1	0	31·5	1	47·6	2·3	2	23·5
112	,, 27	4	27·9	5	22·6	6	3·4	0·6	1	35·5
120	April 2	6	2·5	6	23·9	6	41·4	0·4	0	33·9
122	,, 4	6	24·0	6	31·2	6	50·5	0·4	0	26·5
123	,, 10	0	16·1	0	25·0	0	45·0	0·5	0	28·9
135	,, 16	17	45·2	17	50·3	18	11·1	0·3	0	25·9
137	,, 19	8	11·4	8	22·2	8	47·2	0·3	0	35·8
138	,, 23	0	3·8	0	16·5	1	23·1	0·6	1	19·3

Table 8.—Disturbances recorded by Milne's Seismograph at Colaba—concld.

No.	Date 1908.		Beginning.		Maximum.		End.		Maximum amplitude.	Duration.	
			H.	M.	H.	M.	H.	M.	M.M.	H.	M.
151	May	5	6	33·0	6	58·0	7	43·4	2·3	1	10·4
152	,,	5	11	24·9	11	27·9	12	0·6	1·5	0	35·7
163	,,	15	9	20·1	9	34·6	10	18·8	2·4	0	58·7
165	,,	20	7	59·2	8	15·7	8	36·5	0·4	0	37·3
170	June	3	16	0·2	16	3·5	16	31·3	1·0	0	31·1
200	,,	28	17	13·5	17	14·1	17	17·5	0·6	0	4·0
239	July	13	21	44·8	21	49·4	22	6·1	0·5	0	21·3
253	,,	26	16	19·6	16	26·7	16	44·5	0·5	0	24·9
254	,,	26	17	30·5	17	39·1	17	58·4	0·4	0	27·9
292	August	17	11	34·1	11	43·7	13	16·2	1·5	1	42·1
296	,,	20	10	1·7	10	4·6	11	4·3	5·8	1	2·6
301	,,	22	12	13·4	12	13·8	12	20·1	0·3	0	6·7
317	September	9	6	50·8	6	51·2	7	3·5	1·0	0	12·7
332	,,	23	7	13·5	7	19·0	7	42·0	1·1	0	28·5
336	,,	26	6	8·5	6	17·6	6	33·5	0·6	0	25·0
339	,,	28	6	49·3	6	49·5	7	3·3	0·4	0	14·0
343	October	13	6	23·5	6	35·7	7	6·3	0·5	0	42·8
347	,,	20	3	1·3	3	14·4	3	31·4	0·5	0	30·1
350	,,	23	20	20·7	20	24·8	20	32·5	0·6	0	11·8
351	,,	24	21	23·3	21	23·9	21	35·0	0·7	0	11·7
353	November	2	5	22·4	5	35·9	6	43·9	4·2	1	21·5
354	,,	2	7	27·8	7	37·6	7	53·0	0·5	0	25·2
356	,,	6	7	29·0	7	48·4	8	38·9	1·0	1	9·9
357	,,	6	14	28·5	14	35·5	14	58·6	0·5	0	30·1
360	,,	11	13	27·8	13	50·4	14	20·1	2·2	0	52·3
361	,,	12	16	53·0	16	58·0	17	4·0	0·2	0	11·0
362	,,	12	22	6·1	22	16·2	22	21·3	0·3	0	15·2
369	,,	23	12	59·8	13	23·7	13	36·2	0·2	0	36·4
384	December	12	13	0·1	13	10·7	13	55·9	3·4	0	55·8
385	,,	12	19	9·2	19	27·7	19	44·3	0·3	0	35·1
390	,,	18	Lost in shifting time.		15	48·3	16	41·7	3·7	...	
396	,,	28	4	30·3	4	57·3	6	14·0	2·2	1	43·7

All the times given in the above table denote G. M. T.: sensibility to tilt between 1st January and 26th March, 1·0 mm = 0·42″.
,, 27th March and 31st December 1·0 mm = 0·41″.

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

Solar Radiation.

It was stated in the Annual Report of 1889 that the observations of black bulb solar thermometers are liable to large and irregular changes which make them unfit for accurate observations. The instruments were accordingly withdrawn from use, except at the following stations :—

Srinagar.	Allahabad.	Leh.
Simla.	Calcutta (Alipore.)	Ootacamund.
Lahore.	Bombay.	Aden.
Jodhpur.		

Observations of the solar thermometers were made during the year 1908 at all these stations with the exception of Aden where the thermometers were put of use in 1903. The monthly averages of past years and the departures from them of the data of 1908 are given in Tables 9 and 10 and the mean comparative data for the past nineteen years in table 11.

TABLE 9.—*Average excess of mean monthly and annual maximum insolation over the corresponding maximum shade temperature.*

STATION.	Years of observations used.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	YEAR.
		°	°	°	°	°	°	°	°	°	°	°	°	°
Srinagar.	1902-1908	31·9	39·4	44·8	50·3	52·4	51·9	53·1	48·1	44·7	41·7	37·0	31 2	43·9
Simla	1890-1908	61·6	64·7	66·6	68·7	67·9	62·6	49·7	48·1	60·5	70·1	68·1	64 0	62·7
Lahore	1890-1908	47·5	53·1	55·2	56·1	52·5	49·7	51·8	53·9	52·7	51·4	49·1	46·6	51·6
Jodhpur	1897-1908	52 5	54·9	56·8	56·6	54·2	53·4	56·2	56·5	55·7	53·1	51·4	50 4	54·3
Allahabad.	1890-1908	57 6	58·2	58·7	57·7	56·7	56·9	57·2	57·1	59·0	55·9	56 7	57·2	57·4
Calcutta (Alipore)	1890-1908	51·1	52·7	53·2	53·4	53·6	51·8	53·2	55·1	55·4	54·3	52·0	51·3	53·1
Bombay	1890-1908	49·7	50 7	50·0	50 2	50·4	45·8	41·6	44·9	48·6	49·6	49·6	49·3	48·4
Leh	1890-1908	65·2	72·8	72·0	70·8	68·4	66·2	64·7	65·1	65·5	66·1	64·7	62·1	67·0
Ootacamund	1903-1908	70·1	71·0	71·8	70·1	68 5	61·6	60·2	64·9	71·1	68·0	69·3	67·9	67·9

TABLE 10.—*Departures from the averages of Table 9 of mean monthly and annual excess of sun over shade temperatures in 1908.*

STATION.	Number of years that the instrument the observations of which are utilized for this comparison has been in use.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	YEAR.
		°	°	°	°	°	°	°	°	°	°	°	°	°
Srinagar	4	—8·2	—9·3	—2·1	—6·2	—0·9	—10·2	—0·6	—7·5	+1·9	—2·1	—5·9	—3·7	—4·6
Simla	1—2	+2·6	+5·8	+2·7	...	...	...	...	...	...	...	...	...	...
Lahore	23	—5·6	—4·3	—3 3	—5·3	—2·8	—3·4	+2·1	—6·7	—2·1	—3·9	—4·2	—2·1	—3·5
Jodhpur	11	+0·1	—0·5	+0·3	—1·2	—0·6	+0·3	+1·7	—0·3	—1·2	—0·2	—1·4	—0 4	—0·3
Allahabad	6	+1·7	+0 9	+3·3	+3·3	+3·0	+1·8	+3·8	+4·5	+1·9	—0·4	—0·9	—0·7	+1·9
Calcutta (Alipore)	6	—2·6	—1·5	—4·2	—4 1	—3·4	—4·5	+0·1	+3·8	—0·1	—1·1	—1·8	—2·3	—1·8
Bombay	23	—1·1	—3 0	—4·1	—4·1	—2·6	—3 4	—6·8	—6·2	—3·9	—3·0	—2·4	—0·8	—3·5
Leh	13	—10·5	—10·6	—8·9	—10·0	—1·5	—3·6	+0·2	—0·5	—0·2	—4·4	—3·1	—10·6	—5·3
Ootacamund	3	—2·4	—3·9	—3·2	—5·1	—5·4	—6·7	—9·9	—7·3	—5 6	—6 2	—2·3	—4·3	—5·2

TABLE 11.—*Departures from normal of the annual mean excess of sun over shade temperature for each year of the period 1890-1908.*

STATION.	1890.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.	1903.	1904.	1905.	1906.	1907.	1908.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
Srinagar	...	...	...	...	...	...	...	...	...	...	...	...	—1·8	—0·4	+2·1	—3·1	—2·4	—3·6	—4·6
Simla	+2·0	+2·5	+2 2	+1·6	+0·2	+1·2	+0·2	—1·1	+1·1	+2·7	—3·1	—1·2	—3·0	—5·1	—0·9	+2 5	—2·1	+1·9	?
Lahore	+3·6	+2·9	+2·0	+1·5	+0·7	+0·6	+0·4	+0·6	+0·2	—1·5	—1·1	—2·6	—2·9	—2 6	—3 0	—5·0	—2 7	—3·6	—3·5
Jodhpur	...	...	...	...	...	...	...	+1·7	+0·5	—0·9	—0·6	—0·5	—0·3	—0·3	—0·5	—0·7	—0·2	—0·4	—0·3
Allahabad	+0·9	+0·9	—0·3	—0·1	+0·3	—0·2	+0·6	+1·1	—0·4	—0·7	—0·6	—0·4	—0·7	—0·1	+1·6	+0·4	+0·1	+0·9	+0·9
Calcutta (Alipore)	+1·6	+1·5	+1·5	+0 9	+0·9	+1·8	+0·3	—1·3	+0·8	—2·1	—3·2	—1·6	—0·8	—0·7	—0 6	—0·4	—1 5	—2·1	—1·8
Bombay	+1·5	0	+0 4	+1·0	+0·4	+0·7	+1·0	+1·1	—0·4	—1·1	—1·0	—0·7	—0·9	—1·8	+0 1	+0·1	—2·2	—3·8	—3·5
Leh	?	+5·2	+3·4	+0·4	+1·3	+0·5	—0·2	+0·4	—2·3	—0·2	—2·1	—0·2	—1·6	—2·4	—3 4	—2·3	—3·5	—2·5	—5·3
Ootacamund	...	...	...	...	...	...	...	...	...	...	...	...	...	?	—0·5	...	...	—6·4	—5·2

The following table shows, in absolute measure, the value of solar radiation as measured at Simla by means of Angstrom's electric compensation pyrheliometer :—

TABLE 12.

1908.	Intensity in gramme-calories per sq. cm. per min.			Number of days of observation.
	Maximum	Minimum	Mean	
January	1·54	1·43	1·47	10
February	1·55	1·40	1·47	12
March	1·55	1·36	1·47	12
April	1·49	1·35	1·42	11
May	1·48	1·20	1·33	12
June	1·41	1·13	1·27	13
July	No observations.			
August	No observations.			
September	1·45	1·40	1·42	7
October	1·45	1·38	1·42	8
November	1·47	1·42	1·44	10
December	1·50	1·39	1·46	13

Nocturnal Radiation.

Observations of these instruments were recorded during the year 1908 at the following stations :—

Srinagar.	Jodhpur.	Bombay.
Simla.	Allahabad.	Leh.
Lahore.	Calcutta (Alipore.)	Ootacamund.

The following table, TABLE 13, gives the average data of past years for the above stations; TABLE 14 the departure from the normal; and TABLE 15 the mean annual departure data for the past nineteen years.

TABLE 13.—*Average depression of mean monthly and annual nocturnal radiation temperatures below mean minimum shade temperatures.*

STATION.	Number of years observations used.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
		°	°	°	°	°	°	°	°	°	°	°	°	
Srinagar	10—15	7·7	8·2	9·3	9·4	9·8	9·7	9·4	8·9	11·8	11·8	11·2	11·1	9·9
Simla	17—18	4·1	3·3	3·4	5·4	4·1	3·5	2·8	2·1	3·3	4·4	4·5	4·3	3·8
Lahore	31—32	9·5	9·2	8·6	9·1	8·8	6·2	3·9	4·1	6·4	9·6	10·5	9·9	8·0
Jodhpur	11—13	9·0	9·0	8·7	7·8	5·1	2·5	1·8	1·9	4·6	9·7	10·8	9·9	6·7
Allahabad	31—32	11·1	11·4	12·5	12·3	9·0	5·1	3·1	2·6	4·2	9·2	12·5	12·4	8·8
Calcutta (Alipore)	31—32	7·6	7·0	5·9	4·5	3·0	2·1	1·8	1·9	2·5	4·5	6·7	8·1	4·6
Bombay	33	9·8	9·1	8·1	6·5	4·6	2·8	2·1	2·4	3·1	6·3	9·6	10·4	6·2
Leh	24—26	9·5	9·0	10·5	11·0	10·8	11·1	9·7	10·2	11·8	14·5	14·7	11·5	11·2
Ootacamund	5—6	7·3	7·4	6·3	5·4	4·6	3·0	2·1	2·8	3·2	3·5	4·5	6·6	4·7

TABLE 14.—*Departures from the averages of Table 13 of mean monthly and annual depression of nocturnal radiation temperatures in 1908.*

STATION.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
	°	°	°	°	°	°	°	°	°	°	°	°	°
Srinagar	+0·8	−0·3	+2·2	+6·9	+5·9	+3·4	+4·0	+3·0	−2·3	+2·0	−0·5	−1·3	+2·0
Simla	−0·8	−0·8	+0·2	−0·7	?	?	?	?	?	?	?	?	?
Lahore	+1·1	+2·0	+2·6	+0·6	+1·4	+2·9	+0·1	−0·6	+0·3	+1·2	+1·9	+2·3	+1·3
Jodhpur	−0·9	+2·7	+4·9	?	+1·3	+2·2	+0·8	+0·7	+2·0	+0·1	+1·2	0	?
Allahabad	+1·4	+0·1	−0·1	−1·0	−0·5	+0·9	−0·7	−0·7	+1·2	+2·5	+2·3	+2·1	+0·6
Calcutta (Alipore)	−1·3	−0·1	+0·4	+0·3	−0·4	+0·3	+0·5	+0·2	−0·3	−0·6	−0·9	−1·6	−0·3
Bombay	−1·0	−2·0	−1·7	−1·1	−0·8	0	+0·5	0	−0·6	−1·7	−1·2	−2·5	−1·0
Leh	−6·9	−3·8	−2·0	−2·9	−2·8	−4·4	−2·7	−5·3	−6·8	−5·7	−3·8	−5·0	−4·3
Ootacamund	+7·1	+7·5	+5·9	+4·1	+4·4	+3·5	+0·9	+1·6	+3·0	+2·1	+5·0	+6·7	+4·3

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TABLE 15.—*Departures from normal of the mean annual depression of nocturnal radiation temperatures.*

STATION.	1890.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.	1903.	1904.	1905.	1906.	1907.	1908.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
Srinagar	...	...	...	...	...	...	...	...	...	...	...	..	+1·2	0	−1·4	0	+4·4	+1·6	+2·0
Simla	+0·1	−0·1	+1·0	−0·3	−0·7	?	−0·8	+0·8	−0·8	−0·1	+0·5	−0·2	+1·3	−1·2	−0·6	−1·1	−1·4	−0·3	?
Lahore	−1·2	−1·7	−0·9	−0·7	+0·7	+1·0	−0·3	−0·2	+1·0	+2·0	+2.2	+2·0	−1·0	+0·5	+0·4	+1·1	+0·9	+1·3	+1·3
Jodhpur	...	...	...	...	...	...	...	+0·1	0	−0·1	−0·5	−0·1	+1·1	−0·6	−1·4	−0·9	−1·4	+1·1	?
Allahabad	−0·9	−0·6	0	−1·3	−1·2	+0·2	+1·0	+0·1	+1·2	+1·6	−0·9	+0·5	−1·1	+0·6	+0·9	+0·6	+0·2	+1·0	+0·6
Calcutta (Alipore)	−0·3	+0·1	−0·1	−0·5	−0·1	+0·1	+0·4	+0·2	+0·2	−0·2	−2·2	−1·7	+0·7	−1·7	−1·1	−1·6	−1·7	−0·7	−0·3
Bombay	+1·4	+2·5	+0·8	−1·0	−1·8	−1·2	+0·8	−0·3	−1·0	−0·6	−0·7	−1·1	−2·1	−1·2	−0·9	−0·6	−0·8	−0·7	−1·0
Leh	+3·1	+3·4	+2·9	+0·4	−2·3	−2·8	−2·0	−2·4	−0·1	−0·4	−2·1	+0·7	−1·3	?	−1·0	?	−2·7	−4·2	−4·3
Ootacamund	...	...	..	...	...	...	...	...	...	...	...	...	..	...	+0·1	+0·4	−0·4	+0·5	+4·3

Temperature of the ground.

Observations of the temperature of the surface of the ground were recorded during the year 1908 at six stations, Lahore, Jaipur, Dehra Dun, Allahabad, Calcutta (Alipore) and Bombay and of the temperature under ground at Dehra Dun and Bombay.

The thermometers used for the purpose are verified standard mercurial thermometers with attached scales of porcelain, the scale being engraved also on the tube.

At Lahore and Jaipur the surface thermometer is read four times daily, at Allahabad at 6, 14, and 22 hrs., and at Calcutta at 13 hrs. 45 mins. At Dehra Dun all the five ground thermometers are read at 15 hrs. daily, and at Bombay the two nearest to the surface are read five times a day, the deeper instruments being read once only.

The thermometers below the surface have their bulbs protected with pointed copper shoes which rest on the ground at the bottom of a wooden tube, inserted to the specified depth and projecting six inches above the surface, the upper ends being closed by a cap of metal or wood. Those at depths of three feet or more are attached to the lower ends of stout wooden bars of about half the diameter of the tube. Those at one foot have a brass ring attached to the top of the wooden frame by which they are lifted; and in all these the lower part of the frame around the bulb has been cut away, and the lower end fitted with the copper shoe above mentioned.

The average monthly data are here given at length, but a paper published by Mr. R. L. Jones (Meteorological Memoirs, Vol. XV, Pt. III, 1904) makes it clear that the results of the measurement of underground temperatures lead to inconsistent results when analysed on the lines developed by Lord Kelvin. It may be that this is due to irregularities from percolation of rainfall as well as to imperfections in the mode of measurement.

Under these circumstances a table of departures from the average of past years is more likely to give indications of value than a statement of absolute temperatures recorded; such a table is therefore given below. The number of years included in the averages in the different cases lies between 21 and 27.

TABLE 16.—*Departures from normal of the mean monthly and annual temperatures of the air and of the ground in 1908.*

Station.		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
		°	°	°	°	°	°	°	°	°	°	°	°	°
Lahore	Air	+2·2	+3·0	−0·1	+0·4	+0·7	+1·6	−1·5	−4·4	−2·5	−0·6	+0·4	+0·1	−0·1
	Surface	+1·0	+1·3	+0·2	+0·3	+1·0	0	−4·7	−10·9	−3·5	+0·6	−1·2	−0·1	−1·3
Jaipur	Air	−0·2	+0·7	−0·8	+0·2	−0·1	+2·0	−2·8	−2·9	−0·8	+1·2	−0·8	−1·1	−0·5
	Surface	+0·5	+1·7	+0·9	+2·8	+0·9	+2·5	−5·7	−5·8	+2·6	−0·3	+0·6	+0·1	+0·1
Dehra Dun	Air	+0·8	+1·7	+0·8	+1·9	−1·4	+2·8	0	−0·6	+0·9	+1·2	+0·2	+0·9	+0·8
	1·1 feet deep	+1·4	+1·6	+2·0	+3·6	+4·3	+4·2	−0·1	−0·4	+1·3	+3·7	+2·6	+2·0	+2·2
	3·2 „ „	+1·7	+1·5	+1·9	+3·7	+3·3	+3·9	+0·4	−0·2	+1·3	+3·1	+2·4	+2·3	+2·1
	6·4 „ „	+1·0	+1·3	+0·8	+2·2	+2·5	+2·9	+1·0	+0·3	+0·5	+1·2	+1·7	+1·6	+1·4
	12·8 „ „	+1·5	+1·3	+1·1	+1·0	+1·1	+1·4	+1·3	+1·2	+0·7	+0·9	+1·3	+1·6	+1·2
	25·6 „ „	+0·5	+0·7	+0·8	+0·5	+0·6	+0·6	+0·8	+1·6	+1·5	+1·2	+1·2	+1·2	+0·9
Allahabad	Air	−2·1	+0·9	−0·8	+3·0	+2·3	+3·8	+0·4	0	+1·2	+0·5	+0·4	−0·6	+0·8
	Surface	−2·8	−0·2	−0·4	+2·9	+2·5	+3·4	+0·3	+1·5	+3·9	−0·7	0	−1·3	+0·8
Calcutta (Alipore)	Air	−1·2	+2·0	+1·7	+4·1	+0·6	+1·0	+0·2	+0·9	+1·0	+1·0	−0·3	−0·5	+0·9
	Surface	+7·5	+7·0	−0·8	+8·4	+0·7	−1·4	−3·1	−0·1	−1·9	−5·4	−4·0	+5·3	+1·0
Bombay	Air	+0·8	+0·3	−1·4	+0·7	−0·3	+1·2	−0·3	−0·4	+1·2	+0·9	−0·9	−1·2	+0·1
	1 inch deep	+0·5	−0·2	−1·6	+0·4	0	+1·4	+0·2	−0·2	+1·1	+0·8	−1·0	−1·7	0
	9 inches „	+2·0	+1·6	0	+1·4	+1·4	+2·5	+2·3	+1·7	+2·4	+2·5	+1·1	+0·3	+1·6
	1 foot 8 inches deep.	+3·0	+3·1	+2·0	+2·3	+2·6	+3·0	+3·1	+2·9	+3·0	+3·0	+2·5	+1·7	+2·7
	5 feet deep	+2·6	+2·4	+2·1	+1·9	+2·1	+2·2	+2·4	+2·5	+2·4	+2·6	+2·5	+2·0	+2·3
	11 „ „	+2·3	+2·3	+2·0	+1·7	+1·4	+1·4	+1·6	+1·7	+1·9	+2·2	+1·9	+2·0	+1·9

Temperature.

The methods of exposing the thermometers at observatories in India were described in pages 18-19 of the Annual Report for 1890.

The method of deducing the daily and monthly means from the observed readings of the instruments was described in pages 6 and 7 of the Monthly Weather Review for January 1908.

The departures from normal of the mean temperature of each month given in Table A of the Monthly Weather Reviews are deduced by a comparison of the actual monthly means with the normal monthly means given in the "Indian Meteorological Memoirs," Vol. XVII, pages 16 to 24.

The departures obtained by a comparison of these normal means with the actual monthly means in Table A of the Monthly Weather Reviews for the year are given in Table 17.

In Table B, published in each Monthly Review, the mean temperature of the day is calculated, as in the Daily Weather Report, by the formula:—daily mean $= \frac{\text{maximum} + \text{minimum}}{2}$. It differs from the true daily mean by amounts varying slightly with the season. In Table B of the Monthly Weather Reviews of the year 1908 are given the departures from normal of the monthly means of daily maximum and minimum temperatures, as well as the departures of the monthly means of daily mean temperature given by the formula $\frac{1}{2}$ (maximum + minimum).

Tables 18 to 23 give summaries of the temperature departure data for each month of the year 1908 and for the year. In the first set of Tables (Tables 18, 19 and 20) the departure data are given for the 14 chief political divisions, and in the last three tables (Tables 21 to 23) the data are given for the 34 sub-divisions:—

TABLE 17.—*Departure from normal of monthly and annual mean air temperatures in 1908.*

Division.	Station.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
		°	°	°	°	°	°	°	°	°	°	°	°	°
Burma	Rangoon	+0·5	+0·6	+0·2	+0·3	−1·5	−0·5	−0·1	−0·5	+0·7	+0·8	−1·3	+0·8	0
Bengal	Calcutta	−1·2	+2·0	+1·7	+4·1	+0·6	+1·0	+0·2	+0·9	+1·0	+1·0	−0·3	−0·5	+0·9
United Provinces of Agra and Oudh.	Allahabad	−2·1	+0·9	−0·8	+3·0	+2·3	+3·8	+0·4	0	+1·2	+0·5	+0·4	−0·6	+0·8
	Dehra Dun	+0·8	+1·7	+0·8	+1·9	−1·4	+2·8	0	−0·6	+0·9	+1·2	+0·2	+0·9	+0·8
Punjab	Lahore	+2·2	+3·0	−0·1	+0·4	+0·7	+1·6	−1·5	−4·4	−2·5	−0·6	+0·4	+0·1	−0·1
Rajputana	Jaipur	−0·2	+0·7	−0·8	+0·2	−0·1	+2·0	−2·8	−2·9	−0·8	+1·2	−0·8	−1·1	−0·5
Bombay	Bombay	+0·8	+0·3	−1·4	+0·7	−0·3	+1·2	−0·3	−0·4	+1·2	+0·9	−0·9	−1·2	+0·1
Central Provinces	Nagpur	−2·5	−0·2	−2·4	+1·4	+1·4	+3·2	−1·1	−1·8	0	−0·3	−1·7	−2·6	−0·6
Hyderabad	Hyderabad	+0·1	−0·5	−1·1	+2·6	+2·2	+3·0	+0·1	−0·3	−0·6	+0·1	−0·9	−2·0	+0·2
Mysore	Bangalore	+1·8	+0·2	−0·8	+1·6	−0·4	+1·1	−1·2	−0·1	+1·1	+1·3	+0·4	+0·2	+0·4
	Mysore	+1·2	+0·4	−0·5	+0·3	−1·3	−1·7	−1·6	−1·6	+0·5	+0·9	−0·6	+0·3	−0·2
Madras	Madras	+0·2	−0·1	−0·5	+2·0	+1·3	+2·5	+0·2	+0·9	−1·3	−0·1	−2·2	−1·1	+0·2
Station in the Bay	Port Blair	−0·9	−1·7	−1·3	+0·2	−2·0	−1·1	−1·2	−1·4	−1·3	−1·1	−0·9	−0·5	−1·1
Kashmir	Srinagar	+6·3	+4·9	+2·7	−0·7	−1·5	−0·4	+3·2	+0·8	+0·6	0	+2·9	−1·4	+1·4
	Leh	+6·0	+2·5	+2·6	+0·8	−1·6	−2·7	+0·2	−2·4	−2·7	−1·0	−2·0	+0·4	0

TABLE 17.—*Departure from normal of monthly and annual mean air temperatures in 1908*—concld.

DIVISION.	STATION.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
		°	°	°	°	°	°	°	°	°	°	°	°	°
BALUCHISTAN	Quetta	+2·7	+1·9	−3·3	+0·8	−1·4	−0·7	+2·6	+3·5	−0·3	?	?	−1·4	?
HILL STATIONS EXCLUDING KASHMIR AND BALUCHISTAN.	Simla	+4·3	+3·0	−0·6	+1·3	−0·3	+2·6	−0·3	−1·1	+0·4	+0·5	−1·6	−0·2	+0·7
	Chakrata	+3·5	+3·8	+1·3	+1·7	+1·5	+2·6	+0·1	−0·4	+1·8	+2·8	+0·2	+0·4	+1·6
	Katmandu	−0·9	+1·5	+0·8	+4·8	+2·4	+1·5	+1·0	+0·9	+0·5	−0·4	−1·6	−3·8	+0·6
	Darjeeling	+1·1	+2·5	+1·7	+4·3	0	+1·3	+1·1	+1·0	+1·5	+1·0	+1·9	+2·2	+1·6
	Pachmarhi	−1·6	+0·4	−3·1	+0·4	+1 7	+3·1	−0·6	−0·7	+1·2	+0·4	−0·6	−2·3	−0·1
	Mount Abu	−0·8	+0·4	−2·0	−0·9	−1·2	+0·8	−1·5	−0·1	+0·6	−0·6	−0·5	−2·3	−0·7
	Chikalda	−0·6	−0·2	−3·0	+0·5	+0·5	+2·0	−0·6	−0·9	+1·5	+1·2	+0·2	−1·6	−0·1
EXTRA INDIA	Zanzibar	+1·1	−1·0	+0·7	+1·2	−0·6	+0·2	+0·6	+0·7	+0·5	+0·1	+0·7	+1·1	+0·4
	Seychelles	+1·7	+0·4	+2·1	+1·6	+0·9	+1·9	+0·8	+0·7	+0·4	+0·3	+1·9	+0·6	+1·1
	Mauritius	−0·3	−0·9	−0·5	+0·1	+0·8	+1·0	+0·1	+1·1	+0·5	+0·3	−0·1	−0·1	+0·2

TABLE 18.—*Departure of the mean monthly and annual maximum temperature from the normal in the fourteen chief political divisions of India in 1908.*

DIVISION.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
	°	°	°	°	°	°	°	°	°	°	°	°	°
Burma	−1·0	−0·4	+0·2	+0·4	−0·3	−0·5	+0·3	−0·7	0	−0·4	−3 3	−1·0	−0·6
Eastern Bengal and Assam	−1·4	+0·1	+2·0	+3·7	+0·6	+0·7	0	+1·3	+0·6	+1·2	+0·4	+1·0	+0·9
Bengal	−3·2	−0·2	+0·4	+3·4	+0·8	+1·2	+0·1	+0·2	+0·6	+1·9	+1·3	+0·4	+0·6
United Provinces	−2·1	+1·4	−0·2	+2·9	+1·7	+5·0	+0·3	−0·5	+1·5	+1·9	+1·3	+0·6	+1·2
Punjab	0	+3·0	+0·3	−1·5	−0·6	+3·3	−2·1	−5·5	−3·7	−1·5	−0·8	−1·4	−0·9
North-West Frontier Province	−0·9	+0·2	−1·4	−3·1	−1·9	+2·4	−1·4	−4·0	−7·5	−3·5	−1·5	−3·0	−2·1
Sind	−0·5	+2·8	−1·6	−0·6	+0·5	+1·0	−2·3	−0·7	−2·0	−0·7	−0·6	−1·0	−0·5
Rajputana	−0·2	+2·7	−1·5	+0·4	−0·3	+0·9	−4·2	−5·2	−2·4	−1·9	−1·0	−1·2	−1·2
Bombay	−0·4	+0·3	−1·5	−0·1	−0·4	+1·6	−2·1	−2·0	+0·6	+0·6	+0·1	−0·9	−0·4
Central India	−1·2	+1·1	+2·5	+0·4	+0·4	+3·9	−1·4	−1·9	+0·9	+1·2	+1·1	−0·4	+0·1
Central Provinces	−0·5	+0·8	−2·8	+1·0	+0·6	+3·5	−1·5	−2·5	+0·2	+1·3	+0·8	−1·2	0
Hyderabad	−0·5	0	−1·2	+2·1	+1·0	+3·9	−1·3	−0·6	−2·1	+0·4	+0·2	−2·0	0
Mysore	+0·9	+0·3	−0·5	+1·5	+0·3	+1·8	−2·4	−1·4	+1·3	+2·2	+2·5	+1·3	+0·7
Madras	−0·2	−0·4	−1·0	+1·0	−0·1	+1·8	−0·4	+0·5	−0·9	+0·7	+0·3	−0·1	+0·1

TABLE 19.—*Departure of mean monthly and annual minimum temperature from the normal in the fourteen chief political divisions of India in 1908.*

DIVISION.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
	°	°	°	°	°	°	°	°	°	°	°	°	°
Burma	+1·7	+0·6	+1·0	+2·3	+0·2	+0·3	+0·5	0	+0·8	+0·5	+0·4	0	+0·7
Eastern Bengal and Assam	−0·6	+0·7	−1·3	+2·2	0	+0·1	−0·2	−0·1	0	−1·0	−1·6	−3·3	−0·4
Bengal	−2·4	0	−0·9	+2·5	+0·3	+0·8	−0·1	−0·1	+0·3	−1·8	−3·5	−3·3	−0·7
United Provinces	−1·2	−0·1	−1·5	+2·6	+0·7	+2·2	−0·3	−0·3	−0·7	−2·0	−1·5	−1·7	−0·3
Punjab	+2·1	+0·9	−1·8	+1·4	0	+1·5	−0·2	−1·2	−1·2	+0·3	+0·7	+0·1	+0·2
North-West Frontier Province	+2·8	+0·7	−1·0	+0·9	−1·4	+0·2	+1·4	−0·3	−0·8	+1·2	+2·2	−0·2	+0·5
Sind	+1·5	−0·8	−2·4	−0·1	−1·5	−0·4	−0·2	+0·9	−0·7	+0·5	+1·2	+1·0	−0·1
Rajputana	+0·2	−1·8	−2·7	+0·7	−0·5	+1·6	−1·5	−0·8	−3·3	−0·9	−2·3	−2·8	−1·2
Bombay	+0·4	−1·5	−2·6	−0·2	−0·8	+0·6	−0·6	−0·2	+0·2	+1·1	−1·4	−2·6	−0·6
Central India	−1·3	−1·2	−2·3	+2·2	+1·1	+2·7	+0·2	+0·6	−0·7	−0·9	+0·1	−2·1	−0·1
Central Provinces	−2·7	−1·0	−3·1	+0·4	+0·8	+1·7	−0·6	−0·2	+0·3	−1·0	−1·9	−3·0	−0·9
Hyderabad	+0·7	−1·6	−1·3	+1·4	+0·7	+1·8	−1·0	−0·2	+0·7	−0·3	−2·7	−3·3	−0·4
Mysore	+1·9	+0·3	−1·1	+0·7	−0·3	0	−0·3	−0·3	+0·6	+0·3	−2·1	−0·8	−0·1
Madras	+0·9	−0·5	−1·1	+1·1	0	+0·6	−0·2	+0·4	0	+0·3	−2·0	−1·3	−0·2

TABLE 20.—*Departure of mean monthly and annual temperature from the normal in the fourteen chief political divisions of India in 1908.*

Division.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
	°	°	°	°	°	°	°	°	°	°	°	°	°
Burma	+0·4	+0·1	+0·6	+1·4	0	−0·1	+0·4	−0·3	+0·4	+0·1	−1·5	−0·5	+0·1
Eastern Bengal and Assam	−1·0	+0·4	+0·4	+3·0	+0·3	+0·4	−0·1	+0·6	+0·3	+0·1	−0·6	−1·2	+0·2
Bengal	−2·8	−0·1	−0·3	+3·0	+0·5	+1·0	0	0	+0·5	+0·1	−1·1	−1·5	−0·1
United Provinces	−1·7	+0·6	−0·9	+2·8	+1·2	+3·6	0	−0·4	+0·4	0	−0·1	−0·6	+0·4
Punjab	+1·1	+2·0	−0·8	−0·1	−0·3	+2·4	−1·2	−3·3	−2·5	−0·6	−0·1	−0·7	−0·3
North-West Frontier Province	+1·0	+0·5	−1·2	−1·1	−1·6	+1·3	0	−2·2	−4·2	−1·2	+0·4	−1·6	−0·8
Sind	+0·5	+1·0	−2·0	−0·3	−0·5	+0·3	−1·3	+0·1	−1·4	−0·1	+0·3	0	−0·3
Rajputana	−0·1	+0·4	−2·1	+0·6	−0·4	+1·3	−2·9	−3·0	−2·9	−1·5	−1·7	−2·0	−1·2
Bombay	0	−0·6	−2·1	−0·2	−0·6	+1·2	−1·3	−1·2	+0·4	+0·8	−0·7	−1·8	−0·5
Central India	−1·2	0	−2·5	+1·3	+0·8	+3·3	−0·6	−0·7	+0·1	+0·1	+0·6	−1·3	0
Central Provinces	−1·6	−0·1	−3·0	+0·7	+0·7	+2·6	−1·0	−1·4	+0·3	+0·1	−0·6	−2·1	−0·5
Hyderabad	+0·1	−0·8	−1·3	+1·8	+0·9	+2·8	−1·1	−0·4	−0·7	0	−1·3	−2·7	−0·2
Mysore	+1·4	+0·3	−0·8	+1·1	−0·1	+0·9	−1·4	−0·9	+1·0	+1·3	+0·2	+0·3	+0·3
Madras	+0·3	−0·4	−1·1	+1·0	0	+1·2	−0·3	+0·5	−0·4	+0·5	−0·9	−0·7	0
Mean of India when the size of the above areas is taken into account.	−0·4	+0·2	−1·2	+1·2	+0·2	+1·6	−0·7	−0·9	−0·4	0	−0·7	−1·2	−0·2

TABLE 21.—*Departure of the mean monthly and annual maximum temperature from the normal in 34 sub-divisions of India in 1908.*

Subdivision.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
	°	°	°		°	°	°	°	°	°	°	°	°
1. Bay Islands	−0·7	−2·5	−1·8	+0.1	−2·3	−1·8	−1·3	−1·9	−1·9	−1·3	−1·1	−0·6	−1·4
2. Lower Burma	−0·8	−0·4	−0·1	0	−0·4	−0·4	+0·1	−0·9	+0·3	−0·5	−1·9	−0·3	−0·4
3. Upper Burma	−1·2	−0·3	+0·7	+0·9	−0·2	−0·6	+0·5	−0·3	−0·5	−0·2	−5·3	−1·9	−0·7
4. Assam	−0·8	−0·1	+2·4	+3·8	+0·5	+0·7	−0·9	−0·2	−1·4	−0·5	−1·1	+0·1	+0·2
5. Eastern Bengal	−1·7	+0·2	+1·8	+3·6	+0·6	+0·7	+0·5	+1·9	+1·4	+2·0	+1·0	+1·4	+1·1
6. Bengal	−2·0	+0·9	+2·2	+4·1	+0·4	+0·1	−0·5	+0·2	+0·7	+2·1	+1·6	+1·1	+0·9
7. Orissa	−4·1	−0·5	−0·4	+2·0	+0·2	+0·9	−0·7	−1·8	−0·4	+0·9	+0·7	−0·9	−0·3
8. Chota Nagpur	−2·7	−0·5	+0·2	+3·4	+0·7	+2·5	−0·6	−0·7	+0·2	+1·4	+0·4	−0·6	+0·3
9. Bihar	−4·4	−1·1	−0·6	+3·7	+1·7	+1·9	+2·2	+2·9	+2·0	+3·2	+2·6	+1·4	+1·3
10. United Provinces, East	−2·7	+1·0	−0·5	+3·7	+2·5	+4·6	+1·8	+1·0	+2·1	+2·7	+2·0	+1·2	+1·6
11. Do. do West	−1·5	+1·8	0	+2·2	+1·0	+5·3	−1·1	−2·0	+0·9	+1·2	+0·6	+0·1	+0·7
12. Punjab, East and North	−0·3	+2·9	+0·3	−1·2	−0·3	+3·8	−2·0	−5·5	−2·8	−1·4	−0·5	−1·2	−0·7
13. Punjab, Southwest	+0·6	+3·3	+0·3	−2·3	−1·4	+2·0	−2·3	−5·3	−5·7	−2·2	−1·5	−1·8	−1·4
14. Kashmir	+6·4	+2·9	+3·1	−0·8	−4·4	−1·7	+1·8	−0·7	−3·5	−1·0	+0·2	−0·3	+0·2
15. North-West Frontier Province	−0·9	+0·2	−1·4	−3·1	−1·9	+2·4	−1·4	−4·0	−7·5	−3·5	−1·5	−3·0	−2·1
16. Baluchistan	+4·0	+3·8	−3·7	−0·9	−3·3	−1·6	+0·5	+1·7	−1·2	−0·1	−0·2	−1·0	−0·2
17. Sind	−0·5	+2·8	−1·6	−0·6	+0·5	+1·0	−2·3	−0·7	−2·0	−0·7	−0·6	−1·0	−0·5
18. Rajputana, West.	0	+2·4	−2·7	−0·5	−0·5	+0·2	−4·4	−5·4	−3·9	−2·8	−1·2	−1·9	−1·7
19. Do. East	−0·4	+2·8	−0·8	+0·7	−0·1	+1·3	−4·2	−5·1	−1·7	−1·4	−0·9	−1·0	−0·9
20. Gujarat	+0·2	+0·6	−1·9	−1·0	−1·8	+0·6	−3·1	−3·4	+1·2	−0·2	+0·2	−0·9	−0·8
21. Central India, West	−0·5	+0·6	−3·2	−0·9	−0·9	+1·4	−2·3	−1·9	+1·2	+1·7	+1·2	−0·4	−0·3
22. Do. East	−1·8	+1·7	−1·9	+1·6	+1·7	+6·4	−0·5	−1·8	+0·6	+0·6	+1·0	−0·4	+0·6
23. Berar	+0·1	+1·5	−2·7	+1·2	+0·7	+2·0	−2·0	−3·4	+0·2	+2·3	+0·7	−1·1	0
24. Central Provinces, West	−0·5	+1·0	−2·9	+0·9	+0·4	+4·5	−1·3	−2·1	+0·5	+1·6	+1·2	−1·0	+0·2
25. Do. East	−1·5	−1·4	−2·3	+1·0	+1·0	+2·0	−1·5	−2·9	−0·7	−0·7	−0·5	−2·0	−0·8
26. Konkan	−1·3	0	−1·0	−0·4	−0·6	+1·1	−1·4	−1·0	−0·3	−0·4	−1·6	−1·5	−0·7
27. Bombay Deccan	0	+0·3	−1·3	+1·3	+1·2	+3·1	−1·4	−1·3	+0·4	+2·2	+1·3	−0·5	+0·4
28. Hyderabad, North	...	...	...	...	...	...	...	...	...	+0·7	−0·1	−1·8	...
29. Do. South	−0·5	0	−1·2	+2·1	+1·0	+3·9	−1·3	−0·6	−2·1	+0·2	+0·3	−2·1	0
30. Mysore	+0·9	+0·3	−0·5	+1·5	+0·3	+1·8	−2·4	−1·4	+1·3	+2·2	+2·5	+1·3	+0·7
31. Malabar	−0·1	−0·4	−0·6	−0·5	−1·1	−0·2	−1·6	−0·7	−0·4	+0·4	−0·3	−0·5	−0·5
32. Madras, Southeast	+0·4	−0·4	−1·4	+1·2	+0·4	+1·2	−0·1	+1·1	−0·8	+0·6	+0·3	+0·9	+0·3
33. Do. Deccan	+0·4	+0·2	−1·0	+2·4	+0·3	+2·8	−0·3	+1·5	−1·2	+1·5	+0·6	−1·0	+0·5
34. Do. Coast, North	−2·4	−0·6	−0·3	+0·6	−0·3	+4·2	−0·2	−0·3	−1·4	+0·9	+0·5	−1·0	0

TABLE 22.—*Departure of the mean monthly and annual minimum temperature from the normal in 34 sub-divisions of India in 1908.*

Sub-division.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
	°	°	°	°	°	°	°	°	°	°	°	°	°
1. Bay Islands	−1·1	−1·4	−0·8	+0·4	−1·5	−0·4	−1·2	−0·9	−0·7	−1·0	−0·8	−0·2	−0·8
2. Lower Burma	+1·6	+1·0	+1·4	+1·9	+0·1	+0·2	+0·4	+0·1	+1·1	+0·7	+0·3	+0·8	+0·8
3. Upper Burma	+1·9	0	+0·6	+2·8	+0·4	+0·4	+0·6	0	+0·5	+0·2	+0·6	−1·1	+0·6
4. Assam	−0·8	+0·4	−1·5	+2·1	−0·1	+0·1	−0·3	−0·1	−0·1	−0·7	−1·4	−3·4	−0·5
5. Eastern Bengal	−0·5	+0·8	−1·2	+2·2	0	0	−0·2	0	+0·1	−1·2	−1·7	−3·3	−0·4
6. Bengal	−2·3	+0·3	−0·7	+2·4	−0·3	+0·2	−0·2	−0·1	+0·3	−1·1	−2·5	−2·1	−0·5
7. Orissa	−2·8	−0·9	−0·7	+1·6	+0·8	+0·4	−0·5	−0·4	+0·4	−1·3	−4·2	−4·0	−1·0
8. Chota Nagpur	−2·2	+1·0	−0·3	+3·4	−0·3	+1·7	+0·1	+0·1	+0·8	−0·8	−2·5	−2·0	−0·1
9. Bihar	−2·4	−0·2	−1·7	+2·9	+0·9	+1·0	+0·3	+0·1	−0·3	−3·9	−5·1	−5·2	−1·1
10. United Provinces, East	−2·2	−0·1	−1·2	+2·8	+1·1	+1·8	+0·3	0	−0·5	−2·8	−3·0	−3·0	−0·6
11. Do. do. West	−0·4	−0·2	−1·8	+2·5	+0·2	+2·6	−0·9	−0·5	−0·9	−1·2	−0·2	−0·6	−0·1
12. Punjab, East and North	+1·8	+1·3	−1·8	+1·5	+0·6	+2·1	−0·1	−1·1	−1·2	+0·1	+0·3	+0·1	+0·3
13. Punjab, Southwest	+2·6	0	−1·8	+1·1	−1·2	+0·1	−0·5	−1·4	−1·2	+1·2	+1·6	+0·2	+0·1
14. Kashmir	+4·4	+1·9	0	−0·1	−2·1	−3·3	+1·2	+0·8	−0·8	−1·4	−2·4	−0·5	−0·2
15. North-West Frontier Province	+2·8	+0·7	−1·0	+0·9	−1·4	+0·2	+1·4	−0·3	−0·8	+1·2	+2·2	−0·2	+0·5
16. Baluchistan	+3·0	+0·8	−2·4	−0·7	−3·5	−3·1	+3·4	+3·0	−2·0	−1·5	−3·5	−2·8	−0·8
17. Sind	+1·5	−0·8	−2·4	−0·1	−1·5	−0·4	−0·2	+0·9	−0·7	+0·5	+1·2	+1·0	−0·1
18. Rajputana, West	−0·3	−2·6	−3·1	−0·3	−0·7	+0·3	−1·3	−1·0	−4·4	−2·9	−3·6	−4·3	−2·0
19. Do. East	+0·4	−1·3	−2·4	+1·1	−0·4	+2·3	−1·6	−0·7	−2·8	+0·2	−1·4	−2·2	−0·7
20. Gujarat	+0·9	−2·8	−2·8	−0·7	−0·9	+0·6	−1·1	−0·7	−0·4	+0·8	−1·1	−2·8	−0·9
21. Central India, West	−1·3	−2·0	−3·2	+1·8	+0·4	+1·1	0	+0·2	−2·0	−0·9	+0·4	−3·1	−0·7
22. Do. East	−1·3	−0·4	−1·4	+2·6	+1·9	+4·3	+0·3	+1·0	+0·6	−0·9	−0·1	−1·2	+0·5
23. Berar	−1·5	−0·7	−2·5	+0·2	+0·2	+0·6	−0·8	−0·5	+0·9	−0·1	−1·2	−2·5	−0·7
24. Central Provinces, West	−3·0	−1·3	−3·3	+1·2	+1·0	+1·9	−0·5	−0·1	−0·1	−1·1	−1·6	−3·1	−0·8
25. Do do. East	−3·3	−0·4	−3·4	−1·4	+1·3	+2·2	−0·6	−0·5	+0·9	−1·6	−3·7	−3·5	−1·2
26. Konkan	+0·2	−0·3	−2·4	0	−0·2	+1·1	−0·6	−0·3	+0·7	+0·8	−1·4	−1·8	−0·4
27. Bombay Deccan	0	−1·1	−2·6	+0·2	−1·0	+0·3	0	+0·3	+0·7	+1·6	−1·6	−3·1	−0·5
28. Hyderabad, North	...	...	...	...	...	...	...	...	...	−0·4	−1·8	−4·4	...
29. Do. South	+0·7	−1·6	−1·3	+1·4	+0·7	+1·8	−1·0	−0·2	+0·7	−0·3	−3·2	−2·8	−0·4
30. Mysore	+1·9	+0·3	−1·1	+0·7	−0·3	0	−0·3	−0·3	+0·6	+0·3	−2·1	−0·8	−0·1
31. Malabar	+1·3	+0·8	−0·4	+0·9	−0·2	+0·5	−1·2	0	+0·4	+0·8	−0·8	−0·4	+0·1
32. Madras, Southeast	+1·1	−0·5	−0·7	+1·3	+0·1	+0·3	+0·4	+0·8	+0·1	0	−2·0	−0·7	0
33. Do. Deccan	+2·0	−1·2	−2·3	+1·5	−0·4	+0·7	−0·1	+0·5	−0·3	+0·1	−2·9	−2·0	−0·5
34. Do. Coast, North	−0·8	−1·4	−1·9	−0·8	+0·3	+1·4	−0·4	−0·3	−0·2	+0·4	−2·5	−2·9	−0·8

TABLE 23.—*Departure of the mean monthly and annual temperature from the normal in 34 sub-divisions of India in 1908.*

Sub-division.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
	°	°	°	°	°	°	°	°	°	°	°	°	
1. Bay Islands	−0·9	−2·0	−1·6	+0·3	−1·9	−1·1	−1·3	−1·4	−1·	−1·2	−1·0	−0·4	−1·1
2. Lower Burma	+0·4	+0·3	+0·7	+1·0	−0·2	−0·1	+0·3	−0·4	+0·7	+0·1	−0·8	+0·3	+0·2
3. Upper Burma	+0·4	−0·2	+0·7	+1·9	+0·1	−0·1	+0·6	−0·2	0	0	−2·4	−1·5	−0·1
4. Assam	−0·8	+0·2	+0·5	+3·0	+0·2	+0·4	−0·6	−0·2	−0·8	−0·6	−1·3	−1·7	−0·1
5. Eastern Bengal	−1·1	+0·5	+0·3	+2·9	+0·3	+0·4	+0·2	+1·0	+0·8	+0·4	−0·4	−1·0	+0·4
6. Bengal	−2·2	+0·6	+0·8	+3·3	+0·1	+0·2	−0·4	+0·1	+0·5	+0·5	−0·5	−0·5	+0·2
7. Orissa	−3·5	−0·7	−0·6	+1·8	+0·5	+0·7	−0·6	−1·1	0	−0·2	−1·8	−2·5	−0·7
8. Chota Nagpur	−2·5	+0·3	−0·1	+3·4	+0·2	+2·1	−0·3	−0·3	+0·5	+0·3	−1·1	−1·3	+0·1
9. Bihar	−3·4	−0·7	−1·2	+3·3	+1·3	+1·5	+1·3	+1·5	+0·9	−0·4	−1·3	−1·9	+0·1
10. United Provinces, East	−2·5	+0·5	−0·9	+3·3	+1·8	+3·2	+1·1	+0·5	+0·8	−0·1	−0·5	−0·9	+0·5
11. Do. do. West	−1·0	+0·8	−0·9	+2·4	+0·6	+4·0	−1·0	−1·3	0	0	+0·2	−0·3	+0·3
12. Punjab, East and North	+0·8	+2·1	−0·8	+0·2	+0·2	+3·0	−1·1	−3·3	−2·0	−0·7	−0·1	−0·6	−0·2
13. Punjab, Southwest	+1·6	+1·7	−0·8	−0·6	−1·3	+1·1	−1·4	−3·4	−3·5	−0·5	+0·1	−0·8	−0·7
14. Kashmir	+5·4	+2·4	+1·6	−0·5	−3·3	−2·5	+1·5	+0·1	−2·2	−1·2	−1·1	−0·4	0
15. North-West Frontier Province	+1·0	+0·5	−1·2	−1·1	−1·7	+1·3	0	−2·2	−4·2	−1·2	+0·4	−1·6	−0·8
16. Baluchistan	+3·5	+2·3	−3·1	−0·8	−3·4	−2·4	+2·0	+2·4	−1·6	−0·8	−1·9	−1·9	−0·5
17. Sind	+0·5	+1·0	−2·0	−0·4	−0·5	+0·3	−1·3	+0·1	−1·4	−0·1	+0·3	0	−0·3
18. Rajputana, West	−0·2	−0·1	−2·9	−0·4	−0·6	+0·3	−2·9	−3·2	−4·2	−2·9	−2·4	−3·1	−1·9
19. Do. East	0	+0·8	−1·6	+0·9	−0·3	−1·8	−2·9	−2·9	−2·3	−0·6	−1·2	−1·6	−0·8
20. Gujarat	+0·6	−1·1	−2·4	−0·9	−1·4	+0·6	−2·1	−2·1	+0·4	+0·3	−0·5	−1·9	−0·9
21. Central India, West	−0·9	−0·7	−3·2	+0·5	−0·3	+1·3	−1·2	−0·9	−0·4	+0·4	+0·8	−1·8	−0·5
22. Do. East	−1·6	+0·7	−1·7	+2·1	+1·8	+5·4	−0·1	−0·4	+0·6	−0·2	+0·5	−0·8	+0·5
23. Berar	−0·7	+0·4	−2·6	+0·7	+0·5	+1·3	−1·4	−2·0	+0·6	+1·1	−0·3	−1·8	−0·4
24. Central Provinces, West	−1·8	−0·2	−3·1	+1·1	+0·7	+3·2	−0·9	−1·1	+0·2	+0·3	−0·2	−2·1	−0·3
25. Do do. East	−2·4	−0·9	−2·9	−0·2	+1·2	+2·1	−1·1	−1·7	+0·1	−1·2	−2·1	−2·8	−1·0
26. Konkan	−0·6	−0·2	−1·7	−0·2	−0·4	+1·1	−1·0	−0·7	+0·2	+0·2	−1·5	−1·7	−0·5
27. Bombay Deccan	0	−0·4	−2·0	+0·8	+0·1	+1·7	−0·7	−0·5	+0·6	+1·9	−0·2	−1·8	0
28. Hyderabad, North	...	...	...	...	...	...	...	...	...	+0·2	−1·0	−3.1	...
29. Do. South	+0·1	−0·8	−1·3	+1·8	+0·9	+2·9	−1·2	−0·4	−0·7	−0·1	−1·5	−2·5	−0·2
30. Mysore	+1·4	+0·3	−0·8	+1·1	0	+0·9	−1·4	−0·9	+1·0	+1·3	+0·2	+0·3	+0·3
31. Malabar	+0·6	+0·2	−0·5	+0·2	−0·7	+0·2	−1·4	−0·4	0	+0·6	−0·6	−0·5	−0·2
32. Madras, Southeast	+0·8	−0·5	−1·1	+1·3	+0·6	+0·8	+0·2	+1·0	−0·4	+0·3	−0·9	+0·1	+0·2
33. Do. Deccan	+1·2	−0·5	−1·7	−2·0	−0·1	+1·8	−0·2	+1·0	−0·8	+0·8	−1·2	−1·5	+0·1
34. Do. Coast, North	−1·6	−1·0	−1·1	−0·1	0	+2·8	−0·3	−0·3	−0·8	+0·7	−1·0	−2·0	−0·4

In the following discussion the year is divided into four seasons according to the following arrangement :—

1st.—The cold weather period, including the months of January and February.

2nd.—The hot weather period, including the months of March, April and May.

3rd.—The period of the south-west monsoon rains proper, including the months of June, July, August and September.

4th.—The period of the retreating south-west monsoon, including the months of October, November and December.

I.—The cold weather period.—Weather was on the whole more disturbed than usual in the plains of India during January, while it was very generally dry in February. Notwithstanding the dryness of February the aggregate precipitation of the season was however either equal to or above the normal in most divisions. In the mountain region bordering upper India the snowfall was on the whole in defect except locally in the Afghan hills.

The departures from normal of temperature were, as usual, determined by the abnormalities of cloud and rainfall and were accordingly of opposite character in the two months.

(*a*) Over the greater part of the country the daily maximum temperature was, if anything, in defect in January and in excess in February. Accordingly the values for the period corresponded closely with the normal except in the case of Bengal (— 1·7°) and the Punjab (+ 1·5°).

TABLE 24.

Division.	Departure of maximum temperature from normal.		
	January.	February.	Period January and February.
	°	°	°
Burma	—1·0	—0·4	—0·7
Eastern Bengal and Assam	—1·4	+0·1	—0·7
Bengal	—3·2	—0·2	—1·7
United Provinces	—2·1	+1·4	—0·4
Punjab	0	+3·0	+1·5
North-West Frontier Province	—0·9	+0·2	—0·4
Sind	—0·5	+2·8	+1·2
Rajputana	—0·2	+2·7	+1·2
Bombay	—0·4	+0·3	—0·1
Central India	—1·2	+1·1	—0·1
Central Provinces	—0·5	+0·8	+0·2
Hyderabad	—0·5	0	—0·3
Mysore	+0·9	+0.3	+0·6
Madras	—0·2	—0·4	—0·3

(*b*) The departures from normal of minimum temperature were as small as those of the day temperature. They were however in the majority of cases positive in January and negative in February.

TABLE 25.

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

(*c*) Mean daily temperature was approximately normal almost everywhere, the only important exceptions being Bengal (1½° in defect) and the Punjab (1½° in excess).

TABLE 26.

Division.	Departure of mean temperature from normal.		
	January.	February.	Period January February.
	°	°	°
Burma	+0·4	+0·1	+0·3
Eastern Bengal and Assam	—1·0	+0·4	—0·3
Bengal	—2·8	—0·1	—1·5
United Provinces	—1·7	+0·6	—0·6
Punjab	+1·1	+2·0	+1·6
North-West Frontier Province	+1·0	+0·5	+0·8
Sind	+0·5	+1·0	+0·8
Rajputana	—0·1	+0·4	+0·2

Division.	Departure of mean temperature from normal.		
	January.	February.	Period, January and February.
	°	°	°
Bombay	0	−0·6	−0·3
Central India	−1·2	0	−0·6
Central Provinces	−1·6	−0·1	−0·9
Hyderabad	+0·1	−0·8	−0·4
Mysore	+1·4	+0·3	+0·9
Madras	+0·3	−0·4	−0·1

(*d*) The excess of temperature was somewhat more marked in Baluchistan and Kashmir than in the plains of upper India, and was on the whole greater in the day than in the night temperature.

TABLE 27.

Station.	Departure from normal of period, January and February.		
	Maximum temperature.	Minimum temperature.	Mean temperature.
	°	°	°
Chaman	+4·2	+3·4	+3·8
Quetta	+3·5	+0·3	+1·9
Cherat	+1·4	+2·5	+2·0
Murree	+0·9	+2·3	+1·6
Gilgit	+2·1	+2·6	+2·4
Srinagar	+7·5	+3·2	+5·4
Leh	+4·4	+3·8	+4·1
Kailang	+3·2	+2·8	+3·0
Simla	+4·0	+3·1	+3·6
Chakrata	+5·1	+2·5	+3·8
Darjeeling	+2·4	+1·2	+1·8

(*e*) The high temperature conditions in northwest India extended westwards to Kabul and Ispahan, an indication that they were determined by general and not local actions.

TABLE 28.

Station.	Departure from normal of period, January and February.		
	Maximum temperature.	Minimum temperature.	Mean temperature
	°	°	°
Baghdad	−1·7	+0·2	−0·8
Ispahan	+1·2	+2·0	+1·6
Bushire	−0·7	−1·2	−1·0
Jask	+1·2	+2·3	+1·8
Kabul	+3·6	+3·7	+3·7
Kashgar	−0·5	+1·2	+0·4

(*f*) Owing to the absence of heavy snowfalls the warm and cool waves associated with cold weather depressions were with one exception very feeble and left no great impress on the mean temperature conditions of the period.

The lowest temperatures of the period and also of the year in the plains of northwest India were generally recorded in the first week of January during the prevalence of anticyclonic conditions, and in the rest of northern India between January 16th and 20th during the passage of a cold wave. They were however by no means remarkable.

II. The hot weather period.—Weather was generally very quiet in March, particularly in northwest India, which barely received 20 per cent of the normal supply of rainfall. April on the other hand was remarkably wet in the hills and plains of upper India. May was less disturbed than usual over the greater part of the country, but more especially in the coast districts of Malabar and the Konkan where thunderstorms were much less frequent than usual.

The season was thus abnormally dry over a large part of the country, in this respect differing materially from the corresponding periods of 1905 and 1907 both of which were characterized by heavy precipitation.

(*a*) Maximum temperature was on the average of the period 2° in excess of the normal in Eastern Bengal and Assam, and in defect by the same amount in the North-West Frontier Province. Elsewhere in the plains the departures were small.

TABLE 29.

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

(*b*) The departures of minimum temperature were roughly similar in their general character to those of the maximum, but were smaller in amount.

TABLE 30.

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

(*c*) Mean temperature of the period as a whole was nearly normal.

TABLE 31.

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

(*d*) Weather was somewhat cooler than usual, both by day and night, over the highlands of Persia, Baluchistan and Afghanistan, and also in the western portions of Kashmir and the Punjab Himalayas. The lowness was in part at least due to the occurrence of late snowfalls in May. Leh, Chakrata, Darjeeling, Baghdad and Kashgar were apparently beyond the region of low temperature.

TABLE 32.

Station.	Departure from normal of period, March to May.		
	Maximum temperature.	Minimum temperature.	Mean temperature.
	°	°	°
Baghdad	+1·4	+2·6	+2·0
Bushire	—0·4	+0·9	+0·3
Ispahan	—3·3	—0·1	—1·7
Jask	—0·7	—0·7	—0·7
Chaman	—4·0	—2·6	—3·3
Quetta	—1·2	—1·8	—1·5
Kabul	—1·2	—1·6	—1·4
Cherat	—4·1	—2·3	—3·2
Murree	—2·5	—0·5	—1·5
Gilgit	—3·1	—2·2	—2·7
Kashgar	+0·7	—0·6	+0·1
Srinagar	+0·1	—0·2	—0·1
Kailang	—1·2	+0·3	—0·5
Simla	+0·5	—0·6	—0·1
Leh	+0·7	+0·2	+0·5
Chakrata	+2·0	+0·7	+1·4
Darjeeling	+2·3	+1·1	+1·7

The greatest heat of the year in the plains of northwest India was recorded in the first week of June, which is about the normal time. The absolute maximum of the year was as usual registered at Jacobabad and was from 1° to 4° lower than the annual maximum readings recorded during the period 1895 to 1906.

III. The south-west monsoon period.—The advance of the monsoon currents into India occurred after the normal date and although some rain fell in June over central and northwest India the monsoon conditions were not fully established there until about the end of the first week in July.

The Arabian Sea current was remarkably vigorous during the greater part of the period and gave abundant rain in its usual field, but particularly in northwest India where the total fall of the season surpassed all previous measurements. It withdrew from upper India on the 10th of September, and during the rest of that month its activity was displayed chiefly in the peninsula. The Bay current on the other hand was abnormally weak and the rainfall over the area usually dependent upon it was scanty and very unfavourably distributed. The drought was severe and almost uninterrupted in Bihar and the east of the United Provinces.

(*a*) On the average of the whole period June to September temperature was very nearly normal in all the plains divisions excepting the Punjab, the North West Frontier Province and Rajputana where it was slightly below the average. The defect accompanied more cloud and rainfall than the normal, and as usual under these conditions was exhibited chiefly in the day temperature.

TABLE 33.

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

(*b*) Except at a few stations in the western Himalayas temperature was on the mean of the period normal or in excess all over the mountain zone bordering upper India as well as in Persia: this is an indication that the cooling effect of snowfall which was distinctly traceable in the temperature records of upper India in May, ceased to be operative during the monsoon period :—

TABLE 34.

Station.	Departure from normal of period, June to September.		
	Maximum temperature.	Minimum temperature.	Mean temperature.
	°	°	°
Baghdad	+2·3	+1·9	+2·1
Bushire	+0·6	+1·3	+1·0
Ispahan	—1·4	+1·9	+0·3
Jask	—0·4	+0·7	+0·2
Chaman	—1·3	—0·5	—0·9
Quetta	+1·0	+1·1	+1·1

Station.	Departure from normal of period, June to September.		
	Maximum temperature.	Minimum temperature.	Mean temperature.
	°	°	
Kabul	+1·6	—0·1	+0·5
Cherat	—4·3	—1·7	—3·0
Murree	—2·3	—0·5	—1·4
Gilgit	—0·1	—2·7	—1·4
Kashgar	+3·1	+0·1	+1·6
Srinagar	+0·8	+1·0	+0·9
Kailang	—0·7	0	—0·4
Simla	+0·4	+0·4	+0·4
Leh	—3·8	+0·2	—1·8
Chakrata	+1·8	+0·4	+1·1
Darjeeling	+2·2	+0·2	+1·2

IV. The retreating south-west monsoon period.—The retreating current in the Bay was very feeble and was directed in October and November chiefly to Burma. Over the peninsula there was a failure of the rains almost as complete as in the corresponding months of 1899.

Several depressions entered northwest India from the west but exercised no great influence on the weather.

(*a*) On the mean of the period temperature differed by less than 1° from the normal in the case of twelve of the fourteen divisions.

TABLE 35.

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

(*b*) In the Himalayan region as well as in Baluchistan, Afghanistan and Persia the only striking abnormal feature was the lowness of night temperature in Baluchistan and the Afghan hills—areas of defective cloud.

TABLE 36.

Station.	Departure from normal of period, October to December.		
	Maximum temperature.	Minimum temperature.	Mean temperature.
	°	°	°
Baghdad	—0·3	+0·1	—0·1
Bushire	+0·8	+0·2	+0·5
Ispahan	+1·3	+1·3	+1·3
Jask	—0·3	+0·6	+0·2
Chaman	—0·7	—2·5	—1·6
Quetta	+1·0	?	?
Kabul	?	—3·4	?
Cherat	—3·5	—2·2	—2·9
Murree	—2·6	—1·9	—2·3
Gilgit	+0·6	—2·6	—1·0
Srinagar	+0·2	—0·3	—0·1
Kailang	+1.1	—1·0	+0 1
Simla	+0·3	—0·9	—0·3
Leh	—1·3	—0·2	—0·8
Chakrata	+3·4	—1·0	+1·2
Darjeeling	+2·9	—0·4	+1·3

The year.—On the whole 1908 was cooler than usual. In April and June both of which were dry months the temperature was in decided excess of the normal, while in March, July, August, November and December it was more than half a degree in defect. The coolness of July and August was attributable to an excess of rain but the defect of temperature in March and the last two months of the year was associated with a marked dryness of the air and low cloud amount.

The mean departure of the twelve months was—0·2 which is comparable with that of the previous year, as will be seen from the table below which gives the mean departure and progressive change of the mean actual temperature for the past 19 years :—

TABLE 37.

Year.	Number of stations.	Mean departure.	Progressive change.
		°	°
1890	85	+0·13	+0·78
1891	72	—0·03	—0·16
1892	74	+0·66	+0·69
1893	68	—1·33	—1·99
1894	66	+0·11	+1·44
1895	69	+0·35	+0·24
1896	67	+1·30	+0·95
1897	75	+0·90	—0·40
1898	75	+0·65	—0·25
1899	52	+0·78	+0·13
1900	50	+1·17	+0·39
1901	50	+0·63	—0·54
1902	49	+1·06	+0·43
1903	46	+0·18	—0·88
1904	46	—0·03	—0·21
1905	46	—0·42	—0·39
1906	45	+0·33	+0·75
1907	23	—0·08	—0·41
1908	157	—0·19	—0·11

The temperature departure for 1908 has been derived from the data of first, second and third class stations in Table B, while in previous years it has been derived only from first and second class stations.

The departures of temperature from the normal were of the same sign in tropical as in extra-tropical India during eight of the twelve months. Since in ordinary years the temperature conditions in those two regions tend to vary in opposite directions, the similarity of the departures in 1908 would appear to indicate that more general actions were in operation than usual.

Atmospheric pressure.

Full information regarding the types of barometers in use at Indian observatories and of the methods of reducing the observations and obtaining the mean daily and monthly pressures will be found in pages 4 and 5 of the Monthly Review for January 1908.

In Table A, called Table II prior to 1907, of each Monthly Review the monthly mean daily pressure (corrected for temperature) is given in the seventh column, and the departure from the normal in the eighth column. The normal monthly mean pressure values were recalculated in 1904 for all first and second class stations, and will be found in pages 66-69 of the "Indian Meteorological Memoirs," Vol. XVII. The departure data in the Monthly Reviews for the year 1908 were obtained by a comparison of the actual monthly means with these normals; the departures of the monthly pressure of all first and second class stations in 1908 are given in Table 38. The figures in the seventh and eighth columns of Table A appended to the present Annual Summary, giving data of the mean pressure of the air and its departure from the normal for all first and second class stations, are comparable with the corresponding data of previous years published in the Annual Reports and Summaries.

In the ninth column of Table A in each Monthly Review the mean pressures reduced to sea level and corrected to constant gravity (Lat. 45) are given. These are not directly comparable with the sea-level pressure values of the years 1875-90 as given in the Annual Reports for those years, for previous to 1891 no correction was made to reduce the monthly pressure means to standard gravity.

In Table B of each Monthly Review and also in that appended to the Annual Summary are given the pressure data for 8 hrs. local time. The fourth column in that table gives the mean 8 hrs. pressures for the month corrected for temperature. In the fifth column are given the departures of these mean 8 hrs. pressures from the normal pressures.

TABLE 38.—*Departures from normal of monthly and annual mean pressure of first and second class stations in 1908.*

Division.	Station.	January	February.	March.	April.	May.	June	July.	August.	September.	October.	November.	December.	Year.
		"	"	"	"	"	"	"	"	"	"	"	"	"
Burma	Rangoon	+·031	−·044	+·005	−·031	−·002	−·003	+·019	−·009	−·016	−·025	−·007	−·018	−·008
Bengal	Calcutta	+·030	−·039	+·019	−·054	+·009	−·018	+·009	−·022	+·028	−·024	−·029	+·001	−·008
United Provinces of Agra and Oudh.	Allahabad	+·024	−·059	+·036	−·051	−·027	−·033	−·011	−·037	+·021	−·029	−·010	+·013	−·014
	Dehra Dun	+·017	−·053	+·029	−·037	−·015	−·031	−·004	+·009	−·001	−·047	−·018	−·001	−·013
Punjab	Lahore	−·001	−·076	+·036	−·030	−·002	−·022	+·019	+·026	+·011	−·034	−·022	−·009	−·009
Rajputana	Jaipur	+·016	−·036	+·040	−·014	+·005	+·009	+·005	−·029	+·012	−·016	−·016	0	−·002
Bombay	Bombay	+·018	−·029	+·014	−·008	+·037	+·026	+·001	−·019	−·009	−·005	+·001	+·008	+·003
Central Provinces	Nagpur	+·033	−·027	+·044	−·017	+·010	−·007	+·013	−·019	+·015	+·004	+·001	+·017	+·006
Hyderabad	Hyderabad	+·018	−·029	+·019	−·030	+·007	0	+·018	−·005	−·005	+·006	+·008	+·007	+·001
Mysore	Bangalore	+·013	−·036	+·011	−·014	+·018	−·002	+·009	−·012	−·034	−·019	−·008	−·013	−·007
	Mysore	+·009	−·031	+·012	−·013	+·017	+·025	+·025	+·003	−·030	−·023	−·017	−·023	−·004
Madras	Madras	+·021	−·033	+·022	−·040	0	−·007	+·020	−·020	−·024	−·008	−·004	0	−·006
Bay Islands	Port Blair	+·045	−·039	+·002	−·030	0	+·008	+·024	−·002	−·012	−·010	−·003	−·018	−·003
Kashmir	Srinagar	−·014	−·044	+·015	−·019	+·014	+·008	−·015	+·009	+·012	−·019	−·040	−·032	−·010
	Leh	+·033	−·016	−·021	−·001	−·007	+·012	+·010	+·010	+·014	−·025	−·020	−·055	−·006
Baluchistan	Quetta	+·022	−·019	+·039	−·025	+·015	+·026	−·003	−·009	+·024	−·006	−·004	+·001	+·005
Hill stations excluding Kashmir and Baluchistan.	Simla	+·028	−·010	+·028	0	+·012	+·005	+·016	+·006	+·006	−·032	−·024	−·024	+·001
	Chakrata	+·027	−·021	+·019	−·001	+·012	+·005	+·036	+·040	+·037	−·023	−·001	−·009	+·010
	Katmandu	+·050	−·012	+·040	−·016	+·022	+·018	+·028	+·033	+·024	−·014	+·002	+·030	+·017
	Darjeeling	+·029	0	+·017	−·013	−·003	−·001	+·009	+·010	−·011	−·045	−·040	−·002	−·004
	Pachmarhi	+·008	−·032	+·018	−·008	+·008	+·004	−·012	−·049	+·009	−·007	−·010	−·004	−·006
	Mount Abu	+·008	−·023	+·020	−·005	+·009	+·019	−·021	−·039	+·017	−·029	−·010	+·002	−·006
	Chikalda	−·019	−·052	+·006	−·019	+·007	+·011	−·013	−·040	+·002	−·010	−·029	−·026	−·016
Extra India	Zanzibar	+·019	−·007	−·007	−·025	+·039	+·011	+·013	−·009	+·013	−·025	−·013	−·025	−·001
	Seychelles	+·025	−·022	+·006	−·013	+·013	+·018	−·004	−·010	−·002	−·003	+·002	−·009	0
	Mauritius	−·042	−·073	−·088	−·021	+·018	+·023	+·018	−·035	+·013	−·044	−·027	−·034	−·024

TABLE 39.—*Departure of the mean monthly pressure from the normal in the fourteen chief political divisions of India in 1908.*

Division.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
	"	"	"	"	"	"	"	"	"	"	"	"	"
Burma	+·037	—·032	+·012	—·030	+·001	—·007	+·020	—·004	+·001	—·026	—·008	—·008	—·004
Eastern Bengal and Assam	+·036	—·028	+·026	—·045	+·016	—·016	+·021	+·010	+·015	—·033	—·015	+·008	0
Bengal	+·037	—·035	+·032	—·043	+·009	—·021	+ 012	—·019	+·024	—·025	—·013	+·014	—·002
United Provinces	+·028	—·049	+·039	—·033	+·003	—·023	+·010	0	+·018	27	—·010	+·013	—·003
Punjab	+·012	—·048	+·044	—·023	+·009	—·016	+·030	+·025	+·021	—·021	—·014	+·013	+·003
North-West Frontier Province	—·009	—·063	+·045	—·028	+·013	—·016	+·021	+·029	+·025	—·031	—·037	+·002	—·004
Sind	+·004	—·042	+·055	—·016	+·018	+·018	+·007	—·014	+·022	—·008	—·006	+·014	+·004
Rajputana	+·007	—·034	+·036	—·013	+·017	+·010	+·008	—·028	+·032	—·006	—·013	+·008	+·002
Bombay	+·016	—·024	+·027	—·005	+·028	+·027	—·003	—·024	—·005	—·001	+·001	+·006	+·004
Central India	+·024	—·037	+·036	—·008	+·005	+·004	+·003	—·034	+·023	—·007	—·011	—·003	0
Central Provinces	+·024	—·028	+·033	—·013	+ 013	+·005	+·006	—·026	+·017	—·002	—·003	+·012	+·003
Hyderabad	+·023	—·012	+·034	—·014	+·016	+·018	+·010	—·017	—·024	—·004	—·011	0	+·002
Mysore	+·015	—·032	+·016	—·019	+·018	+·004	+·011	—·008	—·019	—·008	+·001	—·005	—·002
Mad	+·028	—·027	+·023	—·027	+·015	+·008	+·020	—·009	—·018	—·011	+·007	+·003	+·001
Mean of India when the size of the above areas is taken into account.	+·024	—·033	+·031	—·023	+·012	—·001	+·013	—·011	+·009	—·015	—·008	+·006	0

I.—The cold weather period.

(*a*) The mean 8 hrs. pressure of the Indian land area was in considerable excess of the normal in January and markedly in defect in February. As temperature was practically normal during the period it is evident that these large pressure departures were not the effects of temperature as measured in the lowest stratum of the atmosphere.

The statement below illustrates these remarks :—

TABLE 40.

Month.	Departure from normal.	
	8 hrs. pressure.	Temperature.
	"	°
January	+·025	—0·4
February	—·034	+0·2

A comparison of the past records of pressure at the earth's surface with those of rainfall during the cold weather months does not disclose any marked relationship between the two elements, though it shows that there is a slight tendency to more disturbed weather than usual during periods of excess of pressure and *vice versâ*, and a further confirmation of this is furnished by the results of the cold weather season of 1908.

(*b*) The excess in January and the defect in February extended as far as the equator but not over Persia.

TABLE 41.

Station.	Departure of pressure from normal.		
	January.	February.	Period, January and February.
	"	"	"
Mauritius	—·042	—·073	—·058
Seychelles	+·025	—·022	+·002
Zanzibar	+·029	0	+·015
Aden	+·042	+·047	+·045
Baghdad	+·003	0	+·002
Bushire	—·022	—·004	—·013
Jask	—·010	0	—·005
Muscat	+·006	+·006	+·006

(*c*) The local features of the pressure distribution in India were of no significance.

TABLE 42.

Division.	Excess of pressure departure over geographical mean for India.		
	January.	February.	Period, January and February.
	"	"	"
Burma	+·012	+·002	+·007
Eastern Bengal and Assam	+·011	+·006	+·009
Bengal	+·012	—·001	+·006
United Provinces	+·003	—·015	—·006
Punjab	—·013	—·014	—·014
North-West Frontier Province	—·034	—·029	—·032
Sind	—·021	—·008	—·015
Rajputana	—·018	0	—·009
Bombay	—·009	+·010	+·001
Central India	—·001	—·003	—·002
Central Provinces	—·001	+·006	+·003
Hyderabad	—·002	+·022	+·010
Mysore	—·010	+·002	—·004
Madras	+·003	+·007	+·005

(*d*) The vertical pressure gradient over northern India was weaker than usual, particularly in February. Notwithstanding the unfavourable character of this pressure factor the weather during January was more unsettled than usual.

TABLE 43.

Pair of Stations.	Departure from normal of vertical pressure differences.		
	January.	February.	Period, January and February.
	"	"	"
Lahore and Leh	—·022	—·056	—·039
Jacobabad and Quetta	—·032	—·053	—·043
Peshawar and Murree	—·046	—·051	—·049
Ludhiana and Simla	—·007	—·016	—·012
Roorkee and Chakrata	+·005	—·033	—·014
Dhubri and Darjeeling	—·024	—·045	—·035
Deesa and Mount Abu	+·003	—·007	—·002
Khandwa and Pachmarhi	+·003	+·006	+·005

II. The hot weather period.—Pressure was very unsteady during this period, being in excess in March and May and below the normal in April.

TABLE 44.

MONTH.	Departure from normal of mean 8 hrs. pressure.
	"
March	+·029
April	—·025
May	+·013

(*a*) The general variations of pressure were common to practically the whole of the Indian monsoon region, as is shown below :—

TABLE 45.

STATION.	DEPARTURE OF PRESSURE FROM NORMAL.			
	March.	April.	May.	Period, March to May.
	"	"	"	"
Mauritius	—·088	—·021	+·018	—·030
Seychelles	+·006	—·013	+·013	+·002
Zanzibar	+·004	—·024	+·033	+·004
Aden	+·029	+·017	+·053	+·033
Perim	...	...	+·019	...
Bushire	+·017	—·028	+·065	+·018
Jask	+·038	—·032	+·015	+·007
Muscat	+·065	—·017	+·051	+·033

(*b*) There was nothing decidedly abnormal in the local distribution of pressure :—

TABLE 46.

DIVISION.	EXCESS OF PRESSURE DEPARTURE OVER GEOGRAPHICAL MEAN FOR INDIA.			
	March.	April.	May.	Period, March to May.
	"	"	"	"
Burma	—·017	—·005	—·012	—·011
Eastern Bengal and Assam	—·003	—·020	+·003	—·007
Bengal	+·003	—·018	—·004	—·006
United Provinces	+·010	—·008	—·010	—·003
Punjab	+·015	+·002	—·004	+·004
North-West Frontier Province	+·016	—·003	0	+·004
Sind	+·026	+·009	+·005	+·013
Rajputana	+·007	+·012	+·004	+·008
Bombay	—·002	+·020	+·015	+·011
Central India	+·007	+·017	—·008	+·005
Central Provinces	+·004	+·012	0	+·005
Hyderabad	+·005	+·011	+·003	+·006
Mysore	—·013	+·006	+·005	—·001
Madras	—·006	—·002	+·002	—·002

(*c*) The vertical gradient was steeper than usual in March but was normal or below it in the two succeeding months. It had however little to do with the weather which in northwest India was unusually disturbed in April and very dry in the terminal months of the period.

TABLE 47.

PAIR OF STATIONS.	DEPARTURE FROM NORMAL OF VERTICAL PRESSURE DIFFERENCES.			
	March.	April.	May.	Period, March to May.
	"	"	"	"
Lahore and Leh	+·048	—·018	—·001	+·010
Jacobabad and Quetta	+·015	—·009	0	+·002
Peshawar and Murree	+·006	—·012	+·010	+·001
Ludhiana and Simla	+·014	—·019	—·008	—·004
Roorkee and Chakrata	+·024	—·026	—·005	—·002
Dhubri and Darjeeling	—·015	—·065	—·011	—·030
Deesa and Mount Abu	+·011	+·010	+·017	+·013
Khandwa and Pachmarhi	+·006	+·003	—·002	+·002

III.—The southwest monsoon period.—Pressure varied somewhat irregularly from month to month : thus it was normal in June, in defect in August and above the normal in July and September.

TABLE 48.

MONTH.	Departure from normal of mean 8 hrs. pressure.
	"
June	—·001
July	+·013
August	—·009
September	+·006

(*a*) The only striking peculiarity in the local distribution of pressure was a slight to moderate excess of pressure in upper India in July and August; this extended to the whole of northern and central India in September in which month it was presumably associated with the early cessation of the monsoon rains over the greater part of the area.

TABLE 49.

DIVISION.	EXCESS OF PRESSURE DEPARTURE OVER GEOGRAPHICAL MEAN FOR INDIA.				
	June.	July.	August.	September	Period, June to September
	"	"	"	"	"
Burma	—·006	+·007	+·005	—·005	0
Eastern Bengal and Assam	—·015	+·008	+·019	+·009	+·005
Bengal	—·020	—·001	—·010	+·018	—·003
United Provinces	—·022	—·003	+·009	+·012	—·001
Punjab	—·015	+·017	+·034	+·015	+·013
North-West Frontier Province.	—·015	+·008	+·038	+·019	+·013
Sind	+·019	—·006	—·005	+·016	+·006
Rajputana	+·011	—·005	—·019	+·026	+·003
Bombay	+·028	—·016	—·015	—·011	—·004
Central India	+·005	—·010	—·025	+·017	—·003
Central Provinces	+·006	—·007	—·017	+·011	—·002
Hyderabad	+·019	—·003	—·008	—·030	—·006
Mysore	+·005	—·002	+·001	—·025	—·005
Madras	+·009	+·007	0	—·024	—·002

(*b*) The vertical gradient was on the mean of the whole period almost normal in amount.

TABLE 50.

PAIR OF STATIONS.	DEPARTURE FROM NORMAL OF VERTICAL PRESSURE DIFFERENCES.				
	June.	July.	August.	September	Period, June to September
	"	"	"	"	"
Lahore and Leh	—·044	+·008	+·011	—·003	—·007
Jacobabad and Quetta	—·011	+·012	—·001	+·006	+·002
Peshawar and Murree	—·012	—·005	+·013	+·009	+·001
Ludhiana and Simla	—·025	+·002	+·003	+·008	—·002
Roorkee and Chakrata	—·020	—·012	—·021	—·019	—·018
Dhubri and Darjeeling	—·020	0	—·010	+·009	—·005
Deesa and Mount Abu	+·004	+·007	—·013	—·008	—·003
Khandwa and Pachmarhi.	+·005	+·011	+·030	—·001	+·011

(*c*) For the whole period the pressure over the Indian Ocean, Arabia and Persia did not differ appreciably from the average value. It was however almost as unsteady there as in India and at Mauritius its variations were in three out of four months such as are unfavourable to abundant rainfall in India.

TABLE 51.

STATION.	DEPARTURE OF PRESSURE FROM NORMAL.				
	June.	July.	August.	September	Period, June to September
	"	"	"	"	"
Mauritius	+·023	+·018	—·035	+·013	+·005
Seychelles	+·018	—·004	—·010	—·002	+·001
Zanzibar	+·005	+·007	—·012	+·011	+·003
Aden	+·049	+·006	—·009	+·015	+·015
Perim	+·022	—·012	—·043	—·021	—·014
Baghdad	...	—·030*	—·069	—·030	...
Bushire	+·029	—·029	—·036	+·014	—·006
Jask	+·027	—·022	—·023	+·029	—·003
Muscat	+·041	—·031	—·023	+·012	0

* Mean of 22 days.

IV.—The retreating south-west monsoon period.—

(*a*) There was a slight deficiency of pressure on the mean of October and November and a very slight excess in December.

TABLE 52.

MONTH.	Departure from normal of mean 8 hrs. pressure.
	"
October	—·016
November	—·006
December	+·006

(*b*) The defect was common to practically the whole of the monsoon region, while the excess was restricted to the land area.

TABLE 53.

STATION.	DEPARTURE OF PRESSURE FROM NORMAL.			
	October.	November.	December.	Period, October to December.
	"	"	"	"
Mauritius	—·044	—·027	—·034	—·035
Seychelles	—·002	+·002	—·009	—·003
Zanzibar	—·015	—·003	—·012	—·010
Aden	—·006	+·005	+·018	+·006
Perim	—·041	—·031	—·013	—·028
Baghdad	+·037	—·010	+·067	+·031
Bushire	—·026	—·039	—·024	—·030
Jask	+·001	—·019	0	—·006
Muscat	—·018	—·018	+·016	—·007

(*c*) The local modifications of the pressure distribution in India were feebly marked: they tended however to divert the monsoon current in the Bay from the peninsula to Burma and north-east India during October and November.

TABLE 54.

DIVISION.	EXCESS OF PRESSURE DEPARTURE OVER GEOGRAPHICAL MEAN FOR INDIA.			
	October.	November	December.	Period, October to December.
	"	"	"	"
Burma	—·010	—·002	—·014	—·009
Eastern Bengal and Assam	—·017	—·009	+·002	—·008
Bengal	—·009	—·007	+·008	—·003
United Provinces	—·011	—·004	+·007	—·008
Punjab	—·005	—·008	+·007	—·002
North-West Frontier Province	—·015	—·031	—·004	—·017
Sind	+·008	0	+·008	+·005
Rajputana	+·010	—·007	+·002	+·002
Bombay	+·015	+·007	0	+·007
Central India	+·009	—·005	—·009	—·002
Central Provinces	+·014	+·003	+·006	+·008
Hyderabad	+·012	—·005	—·006	0
Mysore	+·008	+·007	—·011	+·001
Madras	+·005	+·013	—·003	+·005

(*d*) The vertical distribution of the pressure was in November unfavourable and in December favourable for an early winter.

TABLE 55.

PAIR OF STATIONS.	DEPARTURE FROM NORMAL OF VERTICAL PRESSURE DIFFERENCES.			
	October.	November.	December.	Period, October to December.
	"	"	"	"
Lahore and Leh	—·016	0	+·058	+·014
Jacobabad and Quetta	—·010	—·005	+·015	0
Peshawar and Murree	—·013	—·035	+·011	—·012
Roorkee and Chakrata	—·020	—·005	+·010	—·005
Dhubri and Darjeeling	—·005	+·012	—·003	+·001
Deesa and Mount Abu	+·029	+·001	+·009	+·013
Khandwa and Pachmarhi	+·003	—·014	+·008	—·001

The Year :—

(*a*) The general abnormalities of pressure were not so persistent as is frequently the case, the mean monthly values of pressure over India being alternately in excess and defect during the first ten months of the year. As a net result the pressure of the whole year was identical with the normal average of the country.

TABLE 56.

MONTH.	DEPARTURE FROM NORMAL OF	
	Pressure.	Temperature.
	"	°
January	+·024	−0·4
February	−·033	+0·2
March	+·031	−1·2
pril	−·023	+1·2
May	+·012	+0·2
June	−·001	+1·6
July	+·013	−0·7
August	−·011	−0·9
September	+·009	−0·4
October	−·015	0
November	−·008	−0·7
December	+·006	−1·2
Year	0	−0·2

A reference to the corresponding departures of temperature given in the second figure column of the above statement shows that in eight out of the twelve months the abnormalities of pressure were partially at least determined by those of temperature.

(*b*) Relatively to the plains, pressure was somewhat in excess at the level of the observing stations in the Himalayas and Baluchistan; in other words the vertical gradient was slighter than usual.

TABLE 57.

PAIR OF STATIONS.	Departure from normal of vertical pressure differences.
	"
Lahore and Leh	−·003
Jacobabad and Quetta	−·006
Peshawar and Murree	−·011
Roorkee and Chakrata	−·010
Dhubri and Darjeeling	−·014
Deesa and Mount Abu	+·005
Khandwa and Pachmarhi	+·005

(*c*) In regions outside of India, pressure was on the mean of the year in moderate defect at Mauritius, and very nearly normal in the sub-equatorial belt, Persia and the Bay as represented by Port Blair.

Below are given the departures and progressive changes of pressure in the Indian land area during the past 34 years.

TABLE 58.

YEAR.	Number of stations	Mean pressure.	Progressive variation.
		"	"
1875	33	−·007	...
1876	35	−·007	0
1877	59	+·032	+·039
1878	65	+·002	−·030
1879	81	−·014	−·016
1880	93	−·003	+·011
1881	93	+·002	+·005
1882	93	−·010	−·012
1883	105	−·005	+·005
1884	107	+·010	+·015
1885	113	+·014	+·004
1886	118	−·003	−·017
1887	117	−·006	−·003
1888	109	+·011	+·017
1889	76	+·004	−·007
1890	77	−·009	−·013

Year.	Number of stations.	Mean pressure.	Progressive variation.
		"	"
1891	72	+·010	+·019
1892	72	—·022	—·032
1893	66	—·001	+·021
1894	66	—·012	—·011
1895	66	+·003	+·015
1896	68	—·001	—·004
1897	74	—·005	—·004
1898	74	—·018	—·013
1899	51	+·004	+·022

Year.	Number of stations.	Mean pressure.	Progressive variation.
		"	"
1900	49	+·010	+·006
1901	47	+·005	—·005
1902	46	+·011	+·006
1903	46	+·001	—·010
1904	46	—·003	—·004
1905	46	+·009	+·012
1906	45	—·002	—·011
1907	23	—·003	—·001
1908	152	0	+·003

G. C. B. P., Simla,—No. 131 M. R. G. I —7-10-09—400—H.C.G.

STORMS.

Below is given a statement, drawn up in the same form as in previous years, of the cyclonic storms formed in the Indian Seas during 1908. The tracks of the storms are given in Plate VI at the end of the Summary.

BAY OF BENGAL.

No.	Month.	Date.	Greatest observed barometric depression.	Character of storm.	Details of storm.
1	June...	16th to 22nd.	·27″	Cyclonic storm of moderate intensity.	This storm formed over the head of the Bay during the 15th in front of the first advance of monsoon winds and travelling slowly in a northeasterly direction crossed the coast on the 17th. The centre was to the south of Jessore on the morning of the 18th and about 60 miles to the east of Berhampore on the 19th. Its movement was very small indeed during the next 48 hours while it was turning to west. The rate of advance increased slightly on the 21st and by the morning of the 22nd the centre had reached a position about 30 miles west by north of Berhampore. It is not possible to trace the disturbance any further but presumably it was merged during the day in another depression appearing over Bengal at the time. The strongest winds induced by the storm were of force 10.
2	August	7th and 8th.	·12″	Feeble...	This originated over the extreme north of the Bay during the 6th; from there it advanced in a north westerly direction and on the 8th and 9th was shown as a large shallow low pressure area over Orissa and Chota Nagpur. The strongest winds caused by it were of force 6.
3	August and September.	28th August to 5th September.	·22″	Cyclonic storm of moderate intensity.	This storm formed over the Bay in the neighbourhood of the Orissa coast during the 27th and thence advanced along a northwesterly tract to the vicinity of Multan on the 3rd of September. It then changed its course through north to northeast and disappeared in the east Punjab on the 5th. Winds of force 8 were experienced over the Bay during the early stages of the storm.
4	September.	24th to 27th.	·21″	Cyclonic storm of moderate or considerable intensity.	This storm formed over the west of the Bay on the 23rd: it advanced westwards towards the Circars coast which it crossed between Cocanada and Masulipatam on the morning of the 26th. It continued to move slowly in the same direction and by the morning of the 28th had become very diffused. Although not very deep it was the cause of cyclonic downpours which resulted in destructive floods in Hyderabad and its neighbourhood. The greatest force of the winds experienced over the Bay during the storm was 8.
5	November.	1st to 3rd.	·26″	Cyclonic storm of moderate or considerable intensity.	This storm formed over the southwest of the Bay and thence travelling northwards roughly along the meridian of 84° E broke up over the Sea by the 4th. Gales were experienced by several vessels during its existence.
6	November.	9th to 12th.	7″ nearly.	Severe cyclonic storm.	This storm formed to the north of the Andamans on the 8th and advancing in a northerly direction struck the coast of Arakan at Akyab at about 23 hrs. of the 11th doing much damage to the port. The strongest winds actually experienced by vessels were of force 10.
7	December and January	30th December to 2nd January.	·31″	Probably of considerable intensity.	This storm formed to the east of Ceylon on the 29th December and crossed the Madras coast near and to the south of Negapatam on the morning of the 1st January. It then passed rapidly westwards and at 8 hours of the 2nd was situated over the southeast of the Arabian Sea. No information is available regarding its further career. The strongest winds reported by vessels affected by the storm were of force 10.

ARABIAN SEA.

No.	Month.	Date.	Greatest observed barometric depression.	Character of storm.	Details of storm.
1	October	25th to 29th.	·36″ (P)	Probably of considerable intensity.	This storm apparently formed over the Arabian Sea off the Malabar coast and advancing by a curved path disappeared over the Sea off Kuria Muria before the morning of the 30th. The strongest winds actually reported by vessels, which were however not very near to the centre, were of force 8.

Winds.

The mean direction of the wind and the mean diurnal movement of the air, as measured by Robinson anemometers, are given for all second class stations in Table A in each Monthly Weather Review. The normal values are also stated for the sake of ready comparison. The normal data of these elements, utilized in Table A of the Monthly Reviews of the year 1908 will be found in a collected form in Tables XXII, XXVI and XXVII of Vol. XVII of Indian Meteorological Memoirs. The mean 8 hrs. wind directions for each month are laid down in the first chart in each Monthly Review. They are calculated in the usual manner by finding the resultant of equal winds in the directions actually observed at 8 hrs. and given in Table B in each Monthly Review. As a general rule, the mean 8 hrs. wind directions vary little from the mean wind directions (calculated from the 10 and 16 hrs. wind data) in Table A of the Monthly Reviews, but in some cases and at certain seasons of the year they differ very considerably. The normal values used in Table B have been published in Vol. XVII of the departmental Memoirs.

The following is a summary of the more important features of the air movement over India for each period of the year 1908 :—

I.—The cold weather period—

Owing mainly to the comparative rareness of the cold weather storms the air movement was remarkably steady over northwest and central India. In all other respects the anemometric conditions of the period were fairly normal.

II.—The hot weather period,—

(*a*) Winds were on the whole steadier than usual over practically the whole of the interior of the country. The velocity was almost identical with the normal.

(*b*) The direction of the air motion was unusually westerly in May at the Himalayan stations, but elsewhere the deviations from the normal type were of no significance.

(*c*) In the west of the equatorial belt, for which alone information is available, the air movement was abnormal in character during the first three weeks of May, vessels crossing the equator between 58° and 68°E experiencing light and very variable winds usually with a northerly component between south latitude 12° and the equator. In the south of the Arabian Sea also winds showed the same unsteady characters.

III.—The south-west monsoon period.—

The only strikingly abnormal features were—

(*a*) During the second half of June and the first few days of July, when the monsoon conditions over India were less pronounced than usual, light variable airs or calms prevailed over the eastern half of the equatorial belt between the parallels of 4°S and 4°N. This is an indication that the flow of the humid air into the Bay and the southeast of the Arabian Sea from the south was of less volume than usual.

(*b*) In July and August when the axis of the monsoon trough of low pressure was further south than usual the southerly element in the winds over the Indo-Gangetic Plain was either altogether suppressed or very weak and the resultant direction was on the whole from between southeast and northeast.

TABLE 59.

Station.	WIND DIRECTION.			
	JULY.		AUGUST.	
	Actual.	Normal.	Actual.	Normal.
	°	°	°	°
Chaibassa	S 36 W	S 66 W	S 69 E	S 54 W
Ranchi	S 33 W	S 63 W	N 89 E	S 56 W
Hazaribagh	S 19 W	S 40 W	S 58 E	S 5 W
Gaya	S 68 E	S 2 E	N 52 E	S 52 E
Allahabad	S 69 E	S 27 W	N 82 E	N 79 W
Cawnpore	S 63 E	S 1 E	N 86 E	S 2 W
Mainpuri	S 65 E	S 41 E	S 73 E	S 13 W
Agra	S 9 W	S 24 W	N 54 E	S 40 W
Delhi	S 81 E	S 22 E	S 52 E	S 27 W
Sirsa	S 50 E	S 16 W	S 82 E	S 42 W
Montgomery	S 23 E	S 15 E	N 85 E	S 12 W
Multan	N 51 E	S 89 W	N 40 E	S 14 E

An important effect of the deflection from the normal course of the monsoon currents as revealed by the above wind data was to diminish the rainfall over Bengal and the United Provinces and to increase it over northwest India.

(*c*) The air movement was feebler and less steady than usual, particularly in July and August over Sind and Rajputana, thus indicating that the seat of greatest ascensional movement overlay these areas.

TABLE 60.

Division.	Departure from normal of wind steadiness.					Departure from normal of hourly wind velocity.				
	June.	July.	August.	September.	Period June to September.	June.	July.	August.	September.	Period June to September.
Sind	+2	−29	−16	+5	−9	−4·6	−4·0	−3·5	−2·7	−3·7
Rajputana	+18	−20	−46	+4	−11	+1·9	−1·9	−2·2	−1·9	−1·0

(*d*) Over the rest of India the air motion was in general very steady, though the velocity was below the average.

TABLE 61.

Division.	Departure from normal of wind steadiness.					Departure from normal of hourly wind velocity.				
	June.	July.	August.	September.	Period June to September.	June.	July.	August.	September.	Period June to September.
Burma	+3	+3	−4	−13	−3	−0·3	−0·2	−0·8	−1·1	−0·6
Eastern Bengal and Assam	−1	+6	+9	−8	+1	−0·4	−0·5	−0·4	−1·2	−0·6
Bengal	−1	0	+17	+3	+5	+0·3	−0·3	+0·3	−0·9	−0·1
United Provinces	0	+7	+34	+9	+13	0	−0·5	−0·2	−0·7	−0·3
Punjab	−7	+2	+13	+8	+4	+0·4	−0·4	+0·4	−0·1	+0·1
North-West Frontier Province	−3	+10	+4	−5	+1	−0·3	+0·9	+0·7	−1·1	+0·1
Bombay	+3	+5	+5	−8	+1	−0·6	−0·1	−0·1	−2·2	−0·7
Central India	+19	0	−6	+3	+4	+0·6	−1·4	−0·7	−2·4	−1·0
Central Provinces	+13	+5	+10	−10	+5	+2·3	+0·3	+0·9	−1·2	+0·6
Hyderabad	+7	+15	+8	0	+7	+0·3	+0·1	+0·7	−2·1	−0·3
Mysore	0	−1	+8	+4	+3	+1·2	+1·7	+1·4	+0·9	+1·3
Madras	+6	+6	+5	−2	+4	+1·3	+0·7	+0·9	−0·1	+0·7

(*e*) The actions associated with the final retreat of the monsoon from northwest India showed themselves in the equatorial belt about the 3rd of September when variable winds set in.

TABLE 62.

Date.	Hour.	Name of vessel.	Position.		Wind.	
			Lat.	Long.	Direction.	Force.
3rd September 1908	8 A. M. ...	*Itola*	2·01 N	94·52	Var.	2
4th " "	8 A. M. ...	"	1·18 S	96·37	Var.	2
5th " "	4 A. M. ...	*Islami*	...	...	S. W.	4
5th " "	Noon ...	"	4·00 N.	65·08	S. W.	4
5th " "	8 P. M. ...	"	...	...	N. W.	4
5th " "	Midnight	"	...	...	Var.	4

IV. The retreating south-west monsoon period,—

(*a*) The air circulation was on the whole steadier than usual, more especially in northwest India: the velocity was however approximately normal or below it.

TABLE 63.

Division.	Departure from normal of wind steadiness.				Departure from normal of hourly wind velocity.			
	October.	November.	December.	Period October to December.	October.	November.	December.	Period October to December.
Burma	+4	−5	+9	+3	−0·4	−0·2	+0·2	−0·1
Eastern Bengal and Assam	−3	−5	−1	−3	−0·7	0	−0·2	−0·3
Bengal	+13	+6	+4	+8	−0·5	−0·2	−0·1	−0·3
United Provinces	+14	−2	−5	+2	0	0	−0·2	−0·1
Punjab	+7	+5	+5	+6	+0·3	0	+0·5	−0·3
North-West Frontier Province	+1	+16	−9	+3	−0·9	−1·3	−1·0	−1·1
Sind	+18	+1	+16	+12	−1·2	−0·7	−1·1	−1·0
Rajputana	+9	+2	+17	+9	−0·2	−0·6	−0·1	−0·3
Bombay	0	−8	−2	−3	−0·4	−1·1	0	−0·5
Central India	+24	+6	+5	+12	−0·8	−0·7	−0·9	−0·8
Central Provinces	+4	−2	+5	+2	−0·3	−0·3	0	−0·2
Hyderabad	+10	−5	+9	+5	−0·6	−1·5	−1·4	−1·2
Mysore	+7	−8	+5	+1	+0·7	−0·8	+0·6	+0·2
Madras	−1	+1	+6	+2	+0·3	+0·4	+1·8	+0·8

(*b*) Winds were very abnormal in direction at Port Blair in October and November.

TABLE 64.

Station.	Wind direction.			
	October.		November.	
	Actual.	Normal.	Actual.	Normal.
	°	°	°	°
Port Blair	S	S 63 W	S 67 W	N 72 E

The large change in November, as might be expected, accompanied excessive rainfall in Burma.

(*c*) In the west of the equatorial region as represented by the Seychelles and Zanzibar the direction of air movement during October and November was of the type usually associated with an early retreat of the southeast trades.

TABLE 65.

Station.	Wind direction.			
	October.		November.	
	Actual.	Normal.	Actual.	Normal.
	°	°	°	°
Seychelles	S 32 W	S 39 E	S 19 W	S 56 E
Zanzibar	S 16 E	S 6 E	N 52 E	S 36 E

The inference that the northern limit of the southeast trades was much further south than usual in October and November is fully borne out by the information contained in ship's logs.

TABLE 66.

Date.	Name of vessel.	Position at 8 a. m.		Wind.	
		Lat.	Long.	Direction.	Force.
15th October 1908	*Florida*	7·44 S	64·17	N E	6
16th ,, ,,	*Do.*	4·41 S	65·29	N W	5
17th ,, ,,	*Frankby*	2 30 S	87·35	Calm	0
18th ,, ,,	*Do.*	0·03 N	85·02	Var.	2
18th ,, ,,	*Haidari*	5·03 S	60·49	W N W	5
19th ,, ,,	*Do.*	1·48 S	62·40	W N W	4
20th ,, ,,	*Do.*	1·40 N	64·49	Var.	4
27th ,, ,,	*Gouverneur*	8·25 S	63·48	S	1 to 2
28th ,, ,,	*Do.*	4·44 S	64·54	W	1
29th ,, ,,	*Do.*	1·13 S	65·58	W N W	2 to 1
8th November ,,	*Purley*	13·08 S	58·53	W	2
9th ,, ,,	*Do.*	9·55 S	59·32	Calm	0

There is little doubt that the failure of the retreating monsoon rains was intimately connected with the abnormalities of the wind movement displayed in the above table.

Humidity.

The departures from normal of the mean monthly and annual aqueous vapour pressure and relative humidity for the year 1908 are given in Tables 67 and 68. The normal values employed in the determination of the departures are given in Tables XXX and XXXIII of the Indian Meteorological Memoirs, Volume XVII. The two tables (Tables 69 and 70) give departure data of aqueous vapour pressure and relative humidity for each month of the year and for the year for the fourteen chief political divisions.

TABLE 67.—*Departures of the monthly and annual mean vapour pressure data of 1908 from the average of past years.*

Division.	Station.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
		"	"	"	"	"	"	"	"	"	"	"	"	"
Burma	Rangoon	+·011	—·043	—·001	+·024	—·006	—·019	—·013	—·022	—·001	—·018	—·016	—·013	—·010
Bengal	Calcutta	—·015	—·005	—·064	—·005	—·058	—·021	—·023	—·011	+·002	—·042	—·074	—·058	—·031
United Provinces of Agra and Oudh.	Allahabad	—·044	—·058	—·118	—·135	—·146	—·176	—·020	0	—·053	—·185	—·092	—·065	—·091
	Dehra Dun	—·013	—·013	—·071	—·017	—·095	—·110	+·011	0	—·030	—·072	—·059	—·023	—·033
Punjab	Lahore	+·038	—·023	—·061	+·045	—·054	—·058	+·104	+·076	+·070	+·043	+·032	+·014	+·018
Rajputana	Jaipur	—·005	—·080	—·097	—·043	—·081	—·078	+·049	+·074	—·077	—·030	—·023	+·018	—·031
Bombay	Bombay	+·001	—·054	—·084	—·043	—·032	—·010	—·012	—·006	+·023	+·012	—·036	—·075	—·026
Central Provinces	Nagpur	—·088	—·070	—·047	—·052	—·099	—·103	—·017	+·004	+·012	—·071	—·079	—·061	—·056
Hyderabad	Hyderabad	—·055	—·135	—·106	—·142	—·154	—·098	—·027	—·031	—·005	—·066	—·154	—·089	—·089
Mysore	Bangalore	+·057	—·019	—·066	—·022	+·006	—·017	+·004	+·001	+·002	—·021	—·123	—·044	—·020
	Mysore	+·008	—·059	+·008	—·002	—·012	—·011	+·003	—·010	—·016	—·028	—·117	—·041	—·023
Madras	Madras	+·051	+·051	—·030	+·039	—·003	—·025	+·031	+·025	+·088	+·037	—·075	—·064	+·010
Station in the Bay	Port Blair	—·056	—·065	—·064	—·046	—·072	—·049	—·043	—·037	—·030	—·055	—·092	—·031	—·053
Kashmir	Srinagar	+·026	+·016	+·009	+·013	—·025	—·026	+·023	+·005	—·022	0	+·018	—·015	+·002
	Leh	+·012	+·004	+·004	—·007	—·012	—·007	+·040	+·044	+·042	—·016	—·017	—·008	—·007
Baluchistan	Quetta	+·010	—·044	—·029	—·039	—·100	—·118	+·055	—·004	—·060	?	?	—·015	?
Hill stations excluding Kashmir and Baluchistan.	Simla	—·029	—·028	—·039	—·005	—·068	—·097	+·003	—·009	—·031	—·039	—·018	0	—·030
	Chakrata	—·016	—·014	—·025	+·016	—·057	—·039	+·030	+·002	—·012	—·036	—·036	—·009	—·016
	Katmandu	—·016	+·025	—·039	—·028	—·058	—·030	—·004	—·016	+·001	—·039	—·041	—·056	—·025
	Darjeeling	+·008	+·016	+·012	+·053	—·005	+·019	+·014	+·006	+·026	+·016	+·007	—·007	+·014
	Pachmarhi	—·073	—·081	—·031	—·007	—·064	—·086	—·010	+·006	—·010	—·046	—·033	—·030	—·039
	Mount Abu	+·004	—·042	+·012	—·019	—·018	—·028	+·020	+·049	—·055	—·046	—·024	—·044	—·016
	Chikalda	—·056	—·026	—·035	—·009	—·040	—·051	+·002	+·005	+·014	—·030	—·070	—·061	—·030
Extra India	Zanzibar	—·030	—·068	—·050	+·004	—·052	+·025	+·001	—·018	—·037	—·018	—·051	—·037	—·026
	Seychelles	—·004	—·035	—·004	+·014	+·008	+·011	—·012	—·012	—·010	—·019	—·036	0	—·008
	Mauritius	+·063	—·034	—·011	—·034	0	+·017	—·002	+·035	—·007	+·005	+·027	+·047	+·009

TABLE 68.—*Departure of the monthly and annual mean relative humidity data of 1908 from the average of past years.*

DIVISION.	STATION.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
BURMA	Rangoon	0	− 5	− 1	0	+ 2	− 1	− 3	− 1	− 4	− 4	+ 3	− 3	− 1
BENGAL	Calcutta	− 1	− 4	− 9	− 8	− 6	− 2	0	− 1	− 1	− 8	− 9	− 8	− 5
UNITED PROVINCES OF AGRA AND OUDH.	Allahabad	− 1	− 9	−11	−13	−13	−16	− 2	0	− 9	−17	−11	− 9	− 9
	Dehra Dun	− 5	− 5	−11	− 2	−11	−13	0	+ 1	− 6	−13	− 9	− 6	− 7
PUNJAB	Lahore	+ 1	− 7	−10	+ 5	− 5	− 7	+11	+14	+11	+ 7	+ 5	+ 2	+ 2
RAJPUTANA	Jaipur	− 2	−14	− 2	− 4	− 7	−11	+ 7	+10	− 9	− 4	− 3	− 5	− 4
BOMBAY	Bombay	− 1	− 4	− 4	− 4	− 2	− 3	0	+ 1	0	0	0	− 5	− 2
CENTRAL PROVINCES	Nagpur	− 8	− 8	− 2	− 6	− 7	−11	0	+ 4	+ 1	− 6	− 7	− 3	− 4
HYDERABAD	Hyderabad	− 5	−12	− 9	−14	−13	−11	+ 1	− 2	+ 2	− 3	−16	− 6	− 7
MYSORE	Bangalore	+ 5	− 1	− 4	− 2	+ 2	− 3	+ 3	+ 1	− 2	− 5	−16	− 6	− 2
	Mysore	0	− 6	+ 2	− 1	+ 1	− 1	+ 4	+ 2	− 4	− 4	−13	− 2	− 2
MADRAS	Madras	+ 3	+ 4	− 1	0	− 3	− 5	0	+ 1	+ 9	+ 2	− 3	− 6	0
STATION IN THE BAY	Port Blair	− 4	− 2	− 3	− 4	− 1	− 2	− 1	− 1	0	− 4	− 3	− 2	− 2
KASHMIR	Srinagar	− 6	− 6	− 4	+ 1	− 3	− 9	− 9	− 1	− 1	− 4	− 5	− 5	− 4
	Leh	− 4	0	− 6	− 3	+ 1	+ 2	+ 3	+12	+13	− 6	− 5	− 4	0
BALUCHISTAN	Quetta	− 1	−17	0	− 3	−10	−11	+ 4	− 2	− 4	?	?	0	?
HILL STATIONS EXCLUDING KASHMIR AND BALUCHISTAN.	Simla	−13	−11	−11	+ 1	− 9	−18	+ 1	+ 3	− 7	− 9	− 2	+ 4	− 6
	Chakrata	−11	−10	− 8	+ 2	−11	−10	+ 4	+ 5	− 4	−10	− 7	− 2	− 5
	Katmandu	− 3	− 3	− 6	− 9	−10	− 5	− 2	− 2	− 1	− 4	− 3	− 6	− 5
	Darjeeling	− 3	+ 1	− 3	0	− 2	− 1	− 1	− 2	0	0	− 4	−13	− 2
	Pachmarhi	− 8	−13	0	0	− 8	−11	+ 3	+ 4	− 2	− 5	− 3	+ 2	− 3
	Mount Abu	+ 3	− 4	+ 3	0	− 2	− 4	+ 8	+ 8	− 9	− 5	− 4	− 7	− 1
	Chikalda	− 6	− 1	+ 1	− 1	− 3	− 8	+ 2	+ 3	− 2	− 6	−11	− 5	− 3
EXTRA INDIA	Zanzibar	− 5	− 3	− 4	− 3	− 3	+ 2	− 2	− 4	− 5	− 2	− 5	− 6	− 3
	Seychelles	− 6	− 4	− 3	0	− 2	− 3	− 3	− 3	− 3	− 4	− 5	− 2	− 3
	Mauritius	+ 7	− 2	0	− 5	− 2	+ 1	− 1	+ 1	− 2	0	+ 4	+ 5	+ 1

TABLE 69.—*Departure of the mean monthly and annual aqueous vapour pressure from the normal in the fourteen chief political divisions of India in 1908.*

Division.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
	"	"	"	"	"	"	"	"	"	"	"	"	"
Burma	+·021	—·013	+·004	+·031	—·011	—·008	—·007	—·002	+·011	—·006	+·009	0	+·002
Eastern Bengal and Assam	—·016	+·006	—·052	+·033	—·013	—·004	—·018	—·012	—·001	—·029	—·037	—·052	—·016
Bengal	—·031	—·002	—·043	—·016	—·025	—·015	—·003	—·009	+·008	—·071	—·106	—·074	—·033
United Provinces	—·023	—·043	—·044	—·012	—·057	—·084	+·031	+·004	—·027	—·076	—·058	—·032	—·035
Punjab	+·011	—·038	—·083	+·008	—·120	—·139	+·054	+·043	+·008	+·025	+·013	+·007	—·018
North-West Frontier Province	+·051	—·021	—·061	+·029	—·098	—·206	+·081	+·052	+·042	+·067	+·033	+·002	—·002
Sind	+·055	—·016	—·016	+·046	+·016	+·028	+·064	+·052	+·012	+·060	+·056	+·027	+·032
Rajputana	+·010	—·027	—·065	—·040	—·088	—·050	+·063	+·084	—·040	+·030	+·001	—·038	—·013
Bombay	—·004	—·058	—·064	—·036	—·026	—·039	—·005	+·007	—·003	—·004	—·053	—·075	—·030
Central India	—·020	—·078	—·029	—·009	+·017	—·028	+·029	+·024	+·009	—·045	—·038	—·050	—·018
Central Provinces	—·074	—·092	—·082	—·118	—·067	—·083	—·014	—·016	—·005	—·075	—·090	—·080	—·066
Hyderabad	—·047	—·108	—·104	—·092	—·085	—·071	—·016	—·015	+·023	—·034	—·121	—·080	—·063
Mysore	+·020	—·019	—·040	+·022	—·009	—·009	+·006	+·004	—·012	—·006	—·091	—·031	—·014
Madras	+·008	—·014	—·034	—·002	—·017	—·022	—·012	—·012	+·019	—·016	—·073	—·064	—·020
Mean of India when the size of the above areas is taken into account.	—·009	—·037	—·051	—·017	—·043	—·047	+·011	+·011	+·001	—·021	—·044	—·044	—·024

TABLE 70.—*Departure of the mean monthly and annual relative humidity from the normal in the fourteen chief political divisions of India in 1908.*

Division.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
Burma	+1	−1	+1	+1	−1	+1	−1	+1	+1	0	+5	+3	+1
Eastern Bengal and Assam	+1	0	−7	−2	−1	−1	−1	−3	−1	−3	−3	−4	−2
Bengal	+3	+1	−6	−4	−1	−3	0	0	0	−6	−8	−6	−3
United Provinces	−1	−9	−6	−4	−5	−14	+1	0	−4	−8	−7	−4	−5
Punjab	−1	−11	−15	+3	−6	−13	+5	+9	+4	+2	+7	+3	−1
North-West Frontier Province	+10	−6	−16	+6	−6	−17	+5	+9	+10	+7	+6	+3	+1
Sind	+12	−3	−1	+5	+2	+3	+7	+4	+3	+7	+7	+6	+4
Rajputana	+3	−3	−10	−3	−6	−7	+9	+12	0	+4	+2	−2	0
Bombay	0	−6	−6	−3	0	−4	+2	+3	−1	−2	−7	−7	−3
Central India	0	−13	−3	−1	+2	−7	+6	+5	−1	−4	−6	−6	−2
Central Provinces	−8	−13	−8	−10	−4	−10	+2	+2	−2	−8	−9	−8	−6
Hyderabad	−7	−13	−9	−11	−7	−10	+2	0	+5	−5	−9	−8	−6
Mysore	+3	−1	−2	+2	+2	−2	+4	+3	−2	−2	−13	−2	−1
Madras	0	0	−1	−1	−1	−4	0	−1	+3	−1	−6	−4	−1
Mean of India when the size of the above areas is taken into account.	0	−5	−6	−2	−2	−6	+2	+3	+1	−2	−3	−3	−2

I.—The cold weather period.

(*a*) Except in the North-West Frontier Province and Sind, the humidity of the period, estimated both absolutely and relatively, was either about equal to the average or below it. The dryness was greatest in the Central Provinces and Hyderabad: it was considerable also in Central India. Contrary to the usual rule there was no close relationship between these abnormalities and those of temperature and rainfall, temperature being practically normal and the rainfall appreciably in excess in most parts of the plains of India.

TABLE 71.

Division.	Departure of mean 8 hrs. vapour pressure from normal.			Departure of mean 8 hrs relative humidity from normal.		
	January.	February.	Period January and February.	January.	February.	Period January and February.
	"	"	"			
Burma . . .	+·021	—·013	+·004	+1	—1	0
Eastern Bengal and Assam.	—·016	+·006	—·005	+1	0	+1
Bengal . . .	—·031	—·002	—·017	+3	+1	+2
United Provinces .	—·023	—·043	—·033	—1	—9	—5
Punjab . . .	+·011	—·038	—·014	—1	—11	—6
North-West Frontier Province.	+·051	—·021	+·015	+10	—6	+2
Sind	+·055	—·016	+·020	+12	—3	+5
Rajputana . . .	+·010	—·027	—·009	+3	—3	0
Bombay . . .	—·004	—·058	—·031	0	—6	—3
Central India . .	—·020	—·078	—·049	0	—13	—7
Central Provinces .	—·074	—·092	—·083	—8	—13	—11
Hyderabad . . .	—·047	—·108	—·078	—7	—13	—10
Mysore . . .	+·020	—·019	+·001	+3	—1	+1
Madras . . .	+·008	—·014	—·003	0	0	0

(*b*) The dryness of the air was not a phenomenon of the lower atmosphere merely, for at almost all the hill stations below the level of Leh, which is over 11,000 feet in height, the humidity was as much in defect as in the plains below.

TABLE 72.

Station.	Departure of mean 8 hrs. vapour pressure from normal.			Departure of mean 8 hrs. relative humidity from normal.		
	January.	February.	Period January and February.	January.	February.	Period January and February.
	"	"	"			
Chaman . . .	+·036	—·030	+·003	+4	—9	—3
Quetta . . .	+·010	—·036	—·013	+3	—11	—4
Cherat . . .	+·008	—·018	—·005	—5	—8	—7
Murree . . .	—·004	—·035	—·020	—10	—11	—11
Gilgit	+·005	+·020	+·013	—6	+4	—1
Srinagar . . .	+·004	—·001	+·002	—9	—6	—8
Simla	—·017	—·018	—·018	—10	—9	—10
Leh	+·022	+·013	+·018	+3	+4	+4
Chakrata . . .	—·007	—·020	—·014	—9	—12	—11
Darjeeling . . .	—·001	+·010	+·005	—8	—3	—6
Mount Abu . . .	+·010	—·071	—·031	+4	—16	—6
Pachmarhi . . .	—·056	—·093	—·075	+6	—11	—3

(*c*) In Persia and Arabia the conditions were similar in their general character to those of India.

TABLE 73.

Station.	Departure of mean 8 hrs. vapour pressure from normal.			Departure of mean 8 hrs. relative humidity from normal.		
	January.	February.	Period January and February.	January.	February.	Period January and February.
	"	"	"			
Perim	+·035	—·084	—·025	+3	—8	—3
Baghdad . . .	—·038	—·055	—·047	—6	—2	—4
Aden	+·017	—·079	—·031	+3	—4	—1
Bushire . . .	+·004	—·053	—·025	+3	—2	+1
Tehran . . .	+·017	—·022	—·003	+12	+6	+9
Ispahan . . .	+·002	—·042	—·020	0	—5	—3
Jask	+·068	—·031	+·019	+4	—6	—1
Muscat	—·014	—·068	—·041	—1	—9	—5

II.—The hot weather period.

(*a*) The dryness of the atmosphere in this period was as general, and in most provinces as great, as in the cold season.

TABLE 74.

Division.	Departure of mean 8 hrs. vapour pressure from normal.				Departure of mean 8 hrs. relative humidity from normal.			
	March.	April.	May.	Period, March to May.	March	April.	May.	Period, March to May.
		"	"	"				
Burma	+·004	+·031	—·011	+·008	+1	+1	—1	0
Eastern Bengal and Assam	—·052	+·033	—·013	—·011	—7	—2	—1	—3
Bengal	—·043	—·016	—·025	—·028	—6	—4	—1	—4
United Provinces	—·044	—·012	—·057	—·038	—6	—4	—5	—5
Punjab	—·083	+·008	—·120	—·065	—15	+3	—6	—6
North-West Frontier Province	—·061	+·029	—·098	—·043	—16	+6	—6	—5
Sind	—·016	+·046	+·016	+·015	—1	+5	+2	+2
ajputana	—·065	—·040	—·088	—·064	—10	—3	—6	—6
Bombay	—·064	—·036	—·026	—·042	—6	—3	0	—3
Central India	—·029	—·009	+·017	—·007	—3	—1	+2	—1
Central Provinces	—·082	—·118	—·067	—·089	—8	—10	—4	—7
Hyderabad	—·104	—·092	—·085	—·094	—9	—11	—7	—9
Mysore	—·040	+·022	—·009	—·009	—2	+2	+2	+1
Madras	—·034	—·002	—·017	—·018	—1	—1	—1	—1

There was a marked parallelism between the abnormal features of the hygrometric conditions and those of rainfall.

(*b*) The air was as dry in the hill districts as in the plains. Further west in Persia the conditions were variable.

TABLE 75.

Station.	Departure of mean 8 hrs. vapour pressure from normal.				Departure of mean 8 hrs. relative humidity from normal.			
	March.	April.	May	Period, March to May.	March.	April.	May.	Period, March to May.
	"	"	"	"				
Perim	—·056	—·041	—·014	—·037	—3	+1	0	—1
Baghdad	—·054	—·033	—·031	—·039	—9	—5	—5	—6
Aden	—·042	+·038	—·005	—·005	—1	+3	+1	+1
Bushire	—·021	+·001	+·091	+·024	+1	0	+10	+4
Tehran	+·013	+·031	+·066	+·037	+20	+17	+21	+19
Ispahan	—·070	—·065	—·153	—·096	—1	+1	—6	—2
Jask	—·008	+·024	—·023	—·002	—3	+7	—3	+1
Muscat	—·027	—·042	—·085	—·051	—4	—5	—10	—6

Station.	Departure of mean 8 hrs. vapour pressure from normal.				Departure of mean 8 hrs. relative humidity from normal.			
	March.	April.	May.	Period, March to May.	March.	April.	May.	Period, March to May.
	"	"	"	"				
Chaman	—·024	—·015	—·086	—·042	—2	—5	—3	—3
Quetta	—·018	—·039	—·131	—·063	+1	—5	—16	—7
Cherat	—·020	+·040	—·026	—·002	—4	+13	+3	+4
Murree	+·021	+·022	0	+·014	+4	+6	0	+3
Gilgit	+·020	+·111	+·034	+·055	0	+23	+14	+12
Kashgar	...	+·011	—·076	...	...	+1	—12	...
Srinagar	—·025	—·014	—·036	—·025	—6	0	0	—2
Simla	—·021	+·002	—·064	—·028	—8	+1	—10	—6
Leh	—·006	—·007	—·029	—·014	—9	—5	—10	—8
Chakrata	—·018	+·017	—·045	—·015	—6	+3	—6	—3
Darjeeling	—·008	+·032	—·025	0	—9	—4	—7	—7
Mount Abu	—·002	—·027	—·033	—·021	—1	—2	—4	—2
Pachmarhi	—·026	—·029	—·072	—·042	+5	0	—6	0

III.—The south-west monsoon period.

Owing to the long delay in the establishment of the monsoon conditions the air was excessively dry during June over practically the whole of India. During the remainder of the period, when the monsoon currents prevailed with great steadiness in most parts of the country, the hygrometric conditions agreed fairly well with the normal except in the region of abundant rainfall in northwest India where on the whole the air was much damper than usual.

As a net result the humidity of the period did not differ appreciably from the normal anywhere in the plains of India.

TABLE 76.

Division.	Departure of mean 8 hrs. vapour pressure from normal.					Departure of mean 8 hrs. relative humidity from normal.				
	June.	July.	August.	September.	Period, June to September.	June.	July.	August.	September.	Period, June to September.
	"	"	"	"	"					
Burma	—·008	—·007	—·002	+·011	—·002	+1	—1	+1	+1	+1
Eastern Bengal and Assam	—·004	—·018	—·012	—·001	—·009	—1	—1	—3	—1	—2
Bengal	—·015	—·008	—·009	+·008	—·006	—3	0	0	0	—1
United Provinces	—·084	+·031	+·004	—·027	—·019	—14	+1	0	—4	—4
Punjab	—·139	+·054	+·043	+·008	—·009	—13	+5	+9	+4	+1
North-West Frontier Province	—·206	+·081	+·052	+·042	—·008	—17	+5	+9	+10	+2
Sind	+·028	+·064	+·052	+·012	+·039	+3	+7	+4	+3	+4
Rajputana	—·050	+·063	+·084	—·040	+·014	—7	+9	+12	0	+4
Bombay	—·039	—·005	+·007	—·003	—·010	—4	+2	+3	—1	0
Central India	—·028	+·029	+·024	+·009	+·009	—7	+6	+5	—1	+1
Central Provinces	—·083	—·014	—·016	—·005	—·030	—10	+2	+2	—2	—2
Hyderabad	—·071	—·016	—·015	+·023	—·020	—10	+2	0	+5	—1
Mysore	—·009	+·006	+·004	—·012	—·003	—2	+4	+3	—2	+1
Madras	—·022	—·012	—·012	+·019	—·007	—4	0	—1	+3	—1

(*a*) In the hill districts the departures from normal were as small as in the adjacent plains :—

TABLE 77.

Station.	Departure of mean 8 hrs. vapour pressure from normal.					Departure of mean 8 hrs. relative humidity from normal.				
	June.	July.	August.	September.	Period, June to September.	June.	July.	August.	September.	Period, June to September.
	"	"	"	"	"					
Perim	—·021	—·067	—·041	—·019	—·037	−2	−6	−3	−3	−4
Baghdad	—·026	—·105	—·165	—·067	—·091	−3	−2	−10	−8	−6
Aden	+·044	—·020	+·053	+·014	+·023	+3	+2	+4	+1	+3
Bushire	+·148	+·073	+·070	+·123	+·104	+10	+13	+7	+9	+10
Tehran	+·208	+·227	+·251	+·098	+·196	+28	+24	+30	+22	+26
Ispahan	—·126	—·086	—·040	—·032	—·071	−3	−1	+1	+1	−1
Jask	+·147	+·062	—·007	+·013	+·054	+12	+9	+5	+2	+7
Muscat	—·085	+·022	+·071	—·081	—·018	−10	+6	+1	−11	−4
Chaman	—·017	+·026	—·046	—·028	—·016	+4	+3	−3	+1	+1
Quetta	—·156	+·035	+·024	—·097	—·049	−16	+2	−2	−13	—
Cherat	—·233	+·033	+·088	+·038	—·019	−24	+6	+17	+18	+4
Murree	—·015	+·059	+·051	+·023	+·030	−11	+10	+13	+6	+5
Gilgit	—·006	+·034	—·027	+·040	+·010	+3	−1	−4	+10	+2
Kashgar	—·084	—·018	—·055	—·004	—·040	−5	−7	−11	−3	−7
Srinagar	—·079	+·011	—·002	—·045	—·029	−5	−7	−1	−1	−4
Simla	—·105	+·009	—·013	—·036	—·036	−20	+2	0	−7	−6
Leh	—·023	+·030	+·026	+·033	+·017	−1	+1	+6	+11	+4
Chakrata	—·054	+·008	—·007	—·006	—·015	−12	+1	+2	−3	−3
Darjeeling	+·006	+·003	—·002	+·019	+·007	−1	−3	−4	0	−2
Mount Abu	—·024	+·015	+·056	—·008	+·010	−3	+1	+3	−2	0
Pachmarhi	—·059	—·017	+·020	—·009	—·016	−9	+2	+5	−3	−1

IV.—The retreating south-west monsoon period.

(*a*) With the important exception of the Punjab, the North-West Frontier Province and Sind, where the humidity was locally excessive, this too was a dry period in all parts of India proper. The driest tract comprised Bengal, the Central Provinces and Hyderabad. The high humidity of upper India was probably due mainly to the evaporation of the unusually heavy rainfall of the monsoon period.

TABLE 78.

Division.	Departure of mean 8 hrs. vapour pressure from normal.				Departure of mean 8 hrs. relative humidity from normal.			
	October.	November.	December.	Period, October to December.	October.	November.	December.	Period, October to December.
	"	"	"	"				
Burma	—·006	+·009	0	+·001	0	+ 5	+ 3	+ 3
Eastern Bengal and Assam	—·029	—·037	—·052	—·039	— 3	— 3	— 4	— 3
Bengal	—·071	—·106	—·074	—·084	— 6	— 8	— 6	— 7
United Provinces	—·076	—·058	—·032	—·055	— 8	— 7	— 4	— 6
Punjab	+·025	+·013	+·007	+·015	+ 2	+ 7	+ 3	+ 4
North-West Frontier Province	+·067	+·033	+·002	+·034	+ 7	+ 6	+ 3	+ 5
Sind	+·060	+·056	+·027	+·048	+ 7	+ 7	+ 6	+ 7
Rajputana	+·030	+·001	—·038	—·002	+ 4	+ 2	— 2	+ 1
Bombay	—·004	—·053	—·075	—·044	— 2	— 7	— 7	— 5
Central India	—·045	—·038	—·050	—·044	— 4	— 6	— 6	— 5
Central Provinces	—·075	—·090	—·080	—·082	— 8	— 9	— 8	— 8
Hyderabad	— 034	—·121	—·080	—·078	— 5	— 9	— 8	— 7
Mysore	—·006	—·091	—·031	—·043	— 2	—13	— 2	— 6
Madras	—·016	—·073	—·064	—·051	— 1	— 6	— 4	— 4

(*b*) The abnormal dampness in upper India was restricted entirely to the lower strata of the atmosphere for at most of the hill stations the vapour pressure and relative humidity both ranged below the average. Conditions were different in Persia where the air was generally damper than usual in both respects.

TABLE 79.

Station.	Departure of mean 8 hrs. vapour pressure from normal.				Departure of mean 8 hrs. relative humidity from normal.			
	October.	November	December.	Period, October to December.	October.	November.	December.	Period, October to December.
	"	"	"	"				
Perim	—·002	—·015	—·024	—·014	— 1	— 4	— 4	— 3
Baghdad	—·118	—·031	—·069	—·073	—17	— 7	— 6	—10
Aden	+·048	+·012	0	+·020	+ 2	— 3	+ 1	0
Bushire	+·019	+·028	+·038	+·027	+ 6	+ 7	+ 9	+ 7
Tehran	...	...	+·009	...	...	...	+12	...
Ispahan	—·011	—·034	—·006	—·017	— 1	0	+ 6	+ 2
Jask	+·003	+·007	+·046	+·019	+ 4	+ 2	+ 6	+ 4

Station.	Departure of mean 8 hrs. vapour pressure from normal.				Departure of mean 3 hrs. relative humidity from normal.			
	October.	November.	December.	Period, October to December.	October.	November.	December.	Period, October to December.
	"	"	"	"				
Muscat	—·022	—·094	—·039	—·052	— 3	— 9	— 2	— 5
Chaman	+·019	—·061	—·026	—·023	+ 8	—10	— 4	— 2
Quetta	—·032	—·024	—·014	—·023	— 6	+ 1	— 1	— 2
Cherat	+·021	+·038	+·050	+·036	+ 7	+13	+22	+14
Murree	+·006	+·029	+·035	+·023	+ 2	+ 8	+17	+ 9
Gilgit	—·032	—·005	+·012	—·008	+ 5	— 1	+ 6	+ 3
Srinagar	—·030	—·015	—·019	—·021	— 3	— 7	— 6	— 5
Simla	—·016	+·004	+·010	—·001	— 7	+ 3	+ 7	+ 1
Leh	—·036	—·048	+·002	—·027	—17	—26	— 6	—16
Chakrata	—·042	—·031	—·011	—·028	— 9	— 5	— 1	—·5
Darjeeling	—·013	—·011	—·031	—·018	— 9	— 7	—20	—12
Mount Abu	—·027	—·021	—·051	—·033	— 3	— 3	— 9	— 5
Pachmarhi	—·019	—·050	—·051	—·040	0	— 4	— 1	— 2

The year:—

On the average of the year and of the whole country the humidity, both absolute and relative, was below the average. The only months in which on the mean of all the stations the air was damper than usual were July, August and September and only in the first two was the excess at all appreciable. On the other hand the air was considerably drier than usual, more especially as regards the amount of vapour, in February, March, May, June, November and December. These departures from the normal were largely conditioned by the character of the precipitation, except in the case of January and September.

The statement below illustrates the relationship of the abnormalities of humidity with those of rainfall and temperature:—

TABLE 80.

—	Departure from normal of the Indian area.												
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
Vapour pressure at 8 hrs.	—·009	—·037	—·051	—·017	—·043	—·047	+·011	+·011	+·001	—·021	—·044	—·044	—·024
Relative humidity at 8 hrs.	0	—5	—6	—2	—2	—6	+2	+3	+1	—2	—3	—3	—2
Temperature	—0·4	+0·2	—1·2	+1·2	+0·2	+1·6	—0·7	—0·9	—0·4	0	—0·7	—1·2	—0·2
Rainfall (percentage)	+48	—13	—53	—18	—22	—17	+16	+22	—8	—37	+2*	—80	—1

* The month's rainfall was short of the normal all over the country with the exception of Burma.

The larger local departures were unusually persistent: thus the vapour tension was in defect throughout the year in the Central Provinces and in eleven months in Bengal, Bombay and Hyderabad, while it was in excess in Sind in ten of the twelve months.

Cloud.

Normal values of the mean monthly and annual amount of cloud at second class stations have been obtained from the whole of the available data up to the end of the year 1899 given in Tables XXXV and XXXVI of the Indian Meteorological Memoirs, Vol. XVII. These means are the arithmetical averages of the cloud amounts as registered at 10 and 16 hrs. and hence represent the mean amount during the day period rather than of the whole 24 hours.

Departure data of this element of meteorological observation for first and second class stations for the year 1908 are given in Table 81. Table 82 gives the departures of the 8 hrs. cloud for the fourteen chief political provinces of India.

Table 81.—Departure of the monthly and annual mean cloud proportion of 1908 from the average of past years.

Division.	Station.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
BURMA	Rangoon	+0·6	−0·6	−0·5	−0·1	+0·8	+0·1	+0·1	+0·5	0	+0·4	+1·3	+0·5	+0·3
BENGAL	Calcutta	+0·5	−0·6	−0·1	−1·2	−0·1	−0·5	−0·1	−0·4	−0·2	−1·5	−0·3	−0·4	−0·4
UNITED PROVINCES OF AGRA AND OUDH.	Allahabad	−0·2	−0·4	+0·3	−0·5	−0·4	−1·3	0	+0·4	−0·4	−1·4	−1·2	−1·1	−0·5
	Dehra Dun	0	−1·5	−1·1	+0·9	−1·2	−0·7	+0·1	+1·0	−1·6	−0·9	−0·4	−0·4	−0·5
PUNJAB	Lahore	+0·1	−1·8	−0·7	−0·3	−1·1	−1·9	+0·8	+2·5	−0·1	−0·8	−0·6	−0·6	−0·4
RAJPUTANA	Jaipur	−0·8	−2·2	−0·8	0	−0·8	−1·9	+1·1	+1·2	−1·3	−0·3	−0·7	−1·5	−0·7
BOMBAY	Bombay	+0·3	−0·6	−0·3	−0·6	−0·1	0	+1·0	+1·1	+0·4	0	−1·3	−1·2	−0·1
CENTRAL PROVINCES	Nagpur	−0·7	−1·2	−0·1	−0·7	−0·9	−0·7	−0·5	−0·1	−1·0	−0·9	−1·2	−0·8	−0·7
HYDERABAD	Hyderabad	+1·2	−0·3	+1·0	+0·2	+0·5	+0·8	+1·0	+0·6	+2·1	+2·6	−1·3	+0·1	+0·7
MYSORE	Mysore	+0·4	+1·0	+1·8	−0·7	−1·3	0	+0·6	+0·5	+0·3	−0·9	−2·7	+0·6	0
MADRAS	Madras	−1·1	−0·4	+0·8	−1·1	−0·1	−0·2	+0·1	0	−0·6	−0·9	−1·4	−0·8	−0·5
STATION IN THE BAY	Port Blair	+0·7	+2·0	+0·6	+1·8	+1·5	+1·5	+0·8	+1·5	+1·3	+1·2	+1·0	+1·5	+1·3
KASHMIR	Srinagar	0	0	−0·5	+0·7	+0·9	−0·7	+0·2	+2·2	+1·0	−1·0	−1·3	+0·8	+0·2
	Leh	+0·2	−0·2	−0·3	−0·1	+0·1	−0·6	−1·1	+0·5	+1·2	−1·6	−0·5	+0·9	−0·1
BALUCHISTAN	Quetta	0	−1·8	0	+0·5	−1·2	−1·0	+2·0	−0·3	−0·2	−0·6	−1·0	−0·3	−0·3
HILL STATIONS EXCLUDING KASHMIR AND BALUCHISTAN.	Simla	+0·6	−1·6	−1·1	0	−0·7	−2·9	+0·5	+0·7	−1·8	−0·3	+0·3	0	−0·5
	Chakrata	−0·7	−2·2	−1·8	−0·5	−1·3	−1·2	+0·2	+0·9	−1·9	−1·0	−0·5	−0·9	−0·9
	Katmandu	−1·1	−0·7	−1·3	−2·1	−1·6	−0·5	−0·7	−0·6	−1·9	−2·5	−1·9	−2·1	−1·4
	Darjeeling	−0·6	+0·3	+1·2	0	+0·3	−0·2	−1·1	−1·1	−0·5	−0·3	−0·8	−1·4	−0·4
	Pachmarhi	−1·9	−1·9	−1·3	−2·3	−2·6	−3·8	−0·2	+0·4	−3·0	−3·2	−2·0	−2·1	−2·0
	Mount Abu	−0·5	−1·9	+0·1	−0·5	−1·0	+0·1	+1·3	+1·6	−1·1	−0·7	−0·9	−0·9	−0·4
	Chikalda	+0·4	−0·8	+0·8	+0·6	+0·3	−0·4	−0·2	0	−0·8	+1·7	−0·5	−1·7	−0·1
EXTRA INDIA	Zanzibar	+0·1	+1·2	−0·1	+0·5	+1·2	+1·3	+1·0	+0·5	+0·5	+0·2	−0·2	0	−0·5
	Seychelles	−0·3	+1·0	−1·8	+0·8	−0·2	−1·2	+1·0	−0·3	+1·0	−0·5	−0·5	+0·3	−0·1
	Mauritius	+0·7	−0·5	+0·1	−0·6	−0·1	+0·3	+0·1	+0·3	+0·2	−0·3	+0·2	+0·7	+0·1

TABLE 82.—*Departure of the mean monthly and annual cloud amount from normal in the fourteen chief political divisions of India in 1908.*

Division.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
Burma	+0·1	−0·5	−0·2	−0·7	−0·5	+0·4	−0·3	+0·1	−0·5	−0·6	+1·4	−0·7	−0·2
Eastern Bengal and Assam	+1·4	+0·7	−1·1	−1·0	−1·1	−0·5	−2·0	−2·4	−1·5	−1·6	−0·3	−1·2	−0·9
Bengal	+1·2	+0·1	−0·4	−0·8	−0·5	−0·1	−0·4	−0·3	−0·5	−1·2	−0·1	−0·4	−0·3
United Provinces	+1·1	−1·5	−0·6	−0·4	−0·5	−2·1	−0·5	−0·2	−1·5	−0·8	−0·8	−0·9	−0·7
Punjab	−0·3	−1·7	−0·7	+0·3	−0·7	−1·2	+0·7	+2·0	−0·2	−0·4	−0·8	−1·0	−0·3
North-West Frontier Province	+0·2	−0·9	−0·1	+2·0	−0·4	−0·4	+0·4	+1·2	+1·4	−0·6	−1·5	−0·5	−0·1
Sind	0	−1·0	−0·3	+0·6	−0·6	−0·2	+1·3	+1·0	+0·2	+0·1	−1·4	−1·2	−0·1
Rajputana	−0·6	−1·9	−0·5	−0·1	−0·9	−1·8	+0·3	+2·0	−1·3	−0·2	−1·2	−1·7	−0·7
Bombay	+0·5	−0·1	−0·3	−0·5	−0·6	−0·9	+0·7	+0·6	−0·2	+0·1	−0·9	−0·8	−0·2
Central India	+0·7	−0·3	+1·0	+0·8	+0·8	+0·7	+1·8	+1·5	−1·0	+0·2	−0·6	−0·6	+0·4
Central Provinces	+0·4	−0·3	+0·3	+0·2	−0·4	0	+1·0	+1·0	0	−0·3	−0·7	−1·0	0
Hyderabad	+1·2	+0·1	+0·6	+0·1	+0·2	−0·2	+1·3	0	+1·6	+0·9	−1·1	+0·2	+0·4
Mysore	+0·3	+0·7	+1·3	−0·8	−0·9	−0·8	+0·7	+0·4	−0·4	−1·4	−2·3	0	−0·3
Madras	+0·8	+0·7	+0·9	−0·3	−0·3	−0·1	+0·5	0	0	−0·6	−0·9	+0·3	+0·1
Mean of India when the size of the above areas is taken into account.	+0·5	−0·4	−0·1	−0·2	−0·5	−0·5	+0·3	+0·4	−0·4	−0·5	−0·6	−0·7	−0·2

I.—The cold weather period.

The anomalous features of the cloud distribution were opposite in character in the two months and in the main agreed with those of the rainfall: thus in January the proportion of cloud exceeded the normal in almost all parts of the country, whereas in February the estimated amount fell short of the average everywhere except locally in northeast India, Hyderabad, Mysore and Madras.

On the mean of the whole period there was a decided defect in the Punjab and Rajputana, and a decided excess in Madras, Hyderabad Bengal, and Eastern Bengal and Assam; elsewhere the departures from the normal were not of much significance.

TABLE 83.

Division.	Departure of mean 8 hrs. cloud amount from normal.		
	January.	February.	Period January and February.
Burma	+0·1	−0·5	−0·2
Eastern Bengal and Assam	+1·4	+0·7	+1·1
Bengal	+1·2	+0·1	+0·7
United Provinces	+1·1	−1·5	−0·2
Punjab	−0·3	−1·7	−1·0
North-West Frontier Province ...	+0·2	−0·9	−0·4
Sind	0	−1·0	−0·5
Rajputana	−0·6	−1·9	−1·3
Bombay	+0·5	−0·1	+0·2
Central India	+0·7	−0·3	+0·2
Central Provinces	+0·4	−0·3	+0·1
Hyderabad	+1·2	+0·1	+0·7
Mysore	+0·3	+0·7	+0·5
Madras	+0·8	+0·7	+0·2

In the hill districts of northern India and Baluchistan there was on the average of the period an almost general defect of cloud, greatest in the Satpuras and also in Sikkim, but further west in Afghanistan and Persia the skies were covered to a somewhat greater extent than usual.

TABLE 84.

Station.	Departure of mean 8 hrs. cloud amount from normal.		
	January.	February.	Period January and February.
Aden	+0·2	−2·0	−0·9
Baghdad	+1·4	+0·1	+0·8
Bushire	+1·4	...	...
Jask	+1·3	−1·1	+0·1
Kabul	+2·8	0	+1·4
Chaman	−0·6	−1·6	−1·1
uetta	+0·8	−1·6	−0·4
Cherat	−0·6	−0·1	−0·4
Murree	−0·6	−0·5	−0·6
Gilgit	+0·9	+0·6	+0·8
Srinagar	−0·8	+1·1	−1·0
Leh	+0·7	+0·3	+0·5
Simla	+0·7	−1·3	−0·3
Chakrata	−0·7	−1·2	−1·0
Darjeeling...	−1·3	−1·0	−1·2
Mount Abu	−0·5	−1·3	−0·9
Pachmarhi	−1·3	−1·2	−1·3

II.—The hot weather period.

Except in the North-West Frontier Province, Central India, the Central Provinces, Hyderabad and Madras the cloud proportion was below the average of the period throughout the Indian area. The departures from the normal were in general not very marked.

TABLE 85.

Division.	Departure of mean 8 hrs. cloud amount from normal.			
	March.	April.	May.	Period March to May.
Burma	−0·2	−0·7	−0·5	−0·5
Eastern Bengal and Assam . .	−1·1	−1·0	−1·1	−1·1
Bengal	−0·4	−0·8	−0·5	−0·6
United Provinces	−0·6	−0·4	−0·5	−0·5
Punjab	−0·7	+0·3	−0·7	−0·4
North-West Frontier Province .	−0·1	+2·0	−0·4	+0·5
Sind	−0·3	+0·6	−0·6	−0·1
Rajputana	−0·5	−0·1	−0·9	−0·5
Bombay	−0·3	−0·5	−0·6	−0·5
Central India	+1·0	+0·8	+0·8	+0·9
Central Provinces . . .	+0·3	+0·2	−0·4	0
Hyderabad	+0·6	+0·1	+0·2	+0·3
Mysore	+1·3	−0·8	−0·9	−0·1
Madras	+0·9	−0·3	−0·3	+0·1

A comparison of the monthly departures with the corresponding rainfall data shows that the abnormalities of the two elements were fairly similar.

In Arabia, Persia, Afghanistan and parts of Kashmir the quantity of cloud was in excess in all the three months. This is probably an indication that the winter conditions there were even more protracted than in the mountain region overlooking the plains of upper India.

TABLE 86.

Station.	Departure of mean 8 hrs. cloud amount from normal.			
	March.	April.	May.	Period March to May.
Aden	+0·8	+0·9	+0·3	+0·7
Baghdad	+0·9	+1·4	+0·2	+0·8
Bushire	+1·7	+1·6	+0·5	+1·3
Jask	+0·8	+0·1	−0·7	+0·1
Kabul	+0·9	+1·6	+1·0	+1·2
Chaman	−0·2	+1·4	+0·1	+0·4
Quetta	−0·1	−0·4	−0·7	−0·4
Cherat	−3·3	+0·6	−1·6	−1·4
Murree	−2·7	+0·4	−1·7	−1·3
Gilgit	+1·0	+1·6	+1·4	+1·3
Srinagar.	−1·0	+1·3	+0·1	+0·1
Leh	−0·5	−0·7	+0·6	−0·2
Simla	−0·4	−0·3	−1·4	−0·7
Chakrata	−1·0	+0·2	−0·5	−0·4
Darjeeling	0	−0·1	−0·4	−0·2
Mount Abu	+0·7	+0·4	−0·7	+0·1
Pachmarhi	−0·5	−1·1	−1·4	−1·0

III.—The south-west monsoon period.

As is ordinarily the case, the departures from normal of cloud during this period were with one or two exceptions parallel with those of rainfall: thus the proportion of cloud was on the whole high over the greater part of northwest India, the peninsula and central India, areas of excess of rainfall, and was low in Burma, northeast India and the United Provinces which constituted the region of deficient rainfall.

TABLE 87.

Division.	Departure of mean 8 hrs. cloud amount from normal.				
	June.	July.	August.	September.	Period, June to September.
Burma	+0·4	—0·3	+0·1	—0·5	—0·1
Eastern Bengal and Assam.	—0·5	—2·0	—2·4	—1·5	—1·6
Bengal	—0·1	—0·4	—0·3	—0·5	—0·3
United Provinces	—2·1	—0·5	—0·2	—1·5	—1·1
Punjab	—1·2	+0·7	+2·0	—0·2	+0·3
North-West Frontier Province.	—0·4	+0·4	+1·2	+1·4	+0·7
Sind	—0·2	+1·3	+1·0	+0·2	+0·6
Rajputana	—1·8	+0·3	+2·0	—1·3	—0·2
Bombay	—0·9	+0·7	+0·6	—0·2	+0·1
Central India	+0·7	+1·8	+1·5	—1·0	+0·8
Central Provinces	0	+1·0	+1·0	0	+0·5
Hyderabad	—0·2	+1·3	0	+1·6	+0·7
Mysore	—0·8	+0·7	+0·4	—0·4	0
Madras	—0·1	+0·5	0	0	+0·1

In the hill districts of northwest India cloud was as much in excess as in the plains below. In Persia and Afghanistan the departures from the normal were not pronounced.

TABLE 88.

Station.	Departure of mean 8 hrs. cloud amount from normal.				
	June.	July.	August.	September.	Period, June o September.
Aden	+0·2	—0·9	+0·8	+0·1	+0·1
Baghdad	+0·9	0	+0·1	+0·7	+0·4
Bushire	0	—0·6	...	...	...
Jask	—0·3	+1·3	+0·1	—1·1	0
Kabul	—0·3	—0·2	—0·1	+0·8	+0·1
Chaman	—0·5	+1·0	+0·1	+0·2	+0·2
Quetta	—0·6	+1·4	—0·2	+0·3	+0·2
Cherat	—2·0	+0·9	+2·3	+0·9	+0·5
Murree	—2·4	+2·0	+3·5	+0·7	+1·0
Gilgit	+0·2	—1·3	—0·9	+1·5	—0·1
Srinagar	—1·7	—0·2	+1·8	+0·3	+0·1
Leh	+1·5	+0·2	+2·4	+2·4	+1·8
Simla	—2·6	—0·1	+1·5	—1·6	—0·7
Chakrata	—0·3	+1·1	+3·0	—0·9	+0·7
Darjeeling	+0·1	—1·0	—1·2	—0·5	—0·7
Mount Abu	+0·9	+0·9	+1·3	—0·1	+0·8
Pachmarhi	—2·5	+0·7	+0·5	—2·8	—0·9

IV.—The retreating south-west monsoon period.—

Skies were much clearer than usual in this period throughout the country with the exception of Burma and Hyderabad both of which divisions recorded the average amount of cloud. These features were in general related directly to the anomalies of rainfall.

TABLE 89.

Division.	Departure of mean 8 hrs. cloud amount from normal.			
	October.	November	December.	Period October to December.
Burma	—0·6	+1·4	—0·7	0
Eastern Bengal and Assam	—1·6	—0·3	—1·2	—1·0
Bengal	—1·2	—0·1	—0·4	—0·6
United Provinces	—0·8	—0·8	—0·9	—0·8
Punjab	—0·4	—0·8	—1·0	—0·7
North-West Frontier Province	—0·6	—1·5	—0·5	—0·9
Sind	+0·1	—1·4	—1·2	—0·8
Rajputana	—0·2	—1·2	—1·7	—1·0
Bombay	+0·1	—0·9	—0·8	—0·5
Central India	+0·2	—0·6	—0·6	—0·3
Central Provinces	—0·3	—0·7	—1·0	—0·7
Hyderabad	+0·9	—1·1	+0·2	0
Mysore	—1·4	—2·3	0	—1·2
Madras	—0·6	—0·9	+0·3	—0·7

On the average of the period the cloud amount was as largely below normal in the Himalayas and Baluchistan as in the adjacent plains. In Persia on the other hand the cloud proportion exceeded the average.

TABLE 90.

Station.	Departure of mean 8 hrs. cloud amount.			
	October.	November.	December.	Period October to December.
Aden	—0·1	—0·4	+0·9	+0·1
Baghdad	+1·0	+1·8	+1·0	+1·3
Bushire	—0·6	—0·2	+2·2	+0·5
Jask	—0·2	—1·7	—0·3	—0·7
Kabul	—0·5	—0·8	+0·7	—0·2
Chaman	—0·5	—1·0	—0·1	—0·5
Quetta	—0·4	—1·7	—1·0	—1·0
Cherat	—0·6	—2·0	—1·5	—1·4
Murree	0	—1·7	+0·3	—0·5
Gilgit	—0·6	—1·1	+0·4	—0·4
Srinagar	—1·2	—2·1	0	—1·1
Leh	—0·8	—0·8	+1·0	—0·2
Simla	—0·2	—0·8	—0·1	—0·4
Chakrata	—0·5	—0·8	—0·8	—0·7
Darjeeling	—1·5	—2·5	—2·1	—2·0
Mount Abu	+0·2	—1·7	—0·7	—0·7
Pachmarhi	—1·8	—1·4	—1·7	—1·6

The year.—In 1908, as in 1907, there was less cloud than usual, the mean cloud amount of the whole year being 0·2 short of the normal value. The defect was not persistent through the year, for on the average of all the stations in Table B the proportion of cloud was appreciably greater than usual in the months of January, July and August.

TABLE 91.

—	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
Mean of India	+0·5	—0·4	—0·1	—0·2	—0·5	—0·5	+0·3	+0·4	—0·4	—0·5	—0·6	—0·7	—0·2

The above anomalies coincide with those of the rainfall in eleven of the twelve months and with those of the absolute humidity in ten months.

In point of geographical distribution the data of Table 82 show that Central India and Hyderabad had more than the usual quantity of cloud, and that the United Provinces, Rajputana, Eastern Bengal and Assam had less than the average, while over the rest of the country the state of the skies was on the whole fairly normal.

The statement below shows the departure of the mean amount of cloud in the Indian area annually during the period 1875-1908 :—

TABLE 92.

Year.	Amount of departure.
1875	0
1876	—0·2
1877	+0·3
1878	+0·1
1879	—0·1
1880	—0·1
1881	—0·1
1882	0
1883	+0·1
1884	— ·1
1885	+0·
1886	+0·2
1887	—0·1
1888	—0·2

Year.	Amount of departure.	Year.	Amount of departure.
1889	+0·1	1899	—0·3
1890	+0·2	1900	+0·2
1891	+0·1	1901	+0·1
1892	+0·1	1902	—0·1
1893	+0·5	1903	—0·1
1894	+0·5	1904	—0·3
1895	+0·1	1905	—0·2
1896	—0·2	1906	0
1897	0	1907	—0·3
1898	—0·2	1908	—0·2

Snowfall.

(A).—The cold weather of 1907-08 and the succeeding hot weather.—

(1) Winter began considerably later than usual in Baluchistan and was on the whole mild. The precipitation exceeded the average in March and April, but the excess was neither large in amount nor common to the whole region.

(2) In Afghanistan, as represented by Kabul, the precipitation was in marked excess from December to February and again in April, but was below normal in March and May. Heavy snow is reported to have fallen in the northwest of Afghanistan during the fourth week of May. Similar weather appears to have prevailed in parts of the mountainous region of the North-West Frontier Province.

(3) In the valley of Kashmir precipitation was below normal up to March. Snow fell heavily in April and lightly in May. In Ladak the weather was of the usual character, while in Gilgit it was very disturbed in April and May.

(4) In the Punjab Himalayas weather was much drier than usual from December to March; April, on the other hand, was unusually disturbed in some parts, but notwithstanding the excessive snowfall which occurred, the accumulations in the beginning of May were on the whole below the average depth. Snow fell occasionally in May also and a severe snowstorm occurred on the 10th and 11th in Kulu, where snow is reported to have fallen as low as 8,000 feet. In the beginning of June there was a depth of about 7 or 8 feet of snow on the Rohtang and Hamta passes, the average being about 4 feet.

(5) In the Kumaon hills the snowfall was on the whole considerably lighter than usual. Although there was a heavy fall in the first fortnight of May the accumulations at the end of the month were certainly not much greater than the average.

(6) The reports of snowfall in the Assam Himalayas are very conflicting. It appears probable that the fall was very unevenly distributed, being heavy in some parts and light elsewhere. Apparently the snowline on the ranges round Sadiya was very low even at the end of May.

(7) The available information thus indicated :—

(*a*) that the snowfall was very light up to March, and was normal or in excess during the following two months;

(*b*) that snow fell to much lower levels than usual in May in some parts of the western Himalayas;

(*c*) that owing to the scantiness of the fall of the earlier months the depth of snow on the peaks and higher passes at the beginning of June was normal or below it in most districts;

(*d*) that at the end of May the snowline was very low in parts of the Assam Himalayas.

(B) The south-west monsoon period, June to September.—

1 In June there was no snowfall in Afghanistan and the hill districts of the North-West Frontier Province. In the Punjab Himalayas the snowfall was somewhat irregularly distributed, and was on the whole not above the average, while the accumulations were generally in marked defect. The fall of the month was below normal in Kashmir. There were two heavy falls in Garhwal and occasional falls in Almora. At the end of the month the accumulations of snow in Almora were on the whole slightly greater than usual. In the Assam Himalayas snow lay as low as 11,000 feet on the ranges near Sadiya.

2. During July no snow fell in Afghanistan and the hill districts of the North-West Frontier Province; in the latter area the weather was hot till the 13th. There were occasional snowstorms in Kashmir, but the total fall there was below the average. In the Punjab Himalayas there was probably no snowfall and the accumulations at the end of the month were markedly in defect. Occasional falls occurred in Almora; the total fall was on the whole not above the average.

3. In August no snow fell on the mountain region bordering upper India on the west. In Kashmir there were one or two falls on the higher mountains towards the close of the month: the total amount was not large, measuring only about half a foot on the Zoji-la. In Almora snowstorms occurred on several occasions during the month: the total fall measured 10 feet in depth on the Nuwe pass. On the whole the snowfall of the month was not greater than usual.

4. In September snowstorms occurred on the higher mountains in Kashmir on several occasions. The total fall amounted to about 3 feet on the ranges near Dras. Snow fell on five days on the hills near Kilba down to a level of about 10,000 feet. All the well-known passes were open at the end of the month. There were frequent falls of snow in Almora. The aggregate fall measured about 9 feet in depth on the Nuwe pass, 6¾ feet in Byans, 3 feet in Malla Johar, 2½ feet on the Binkaru pass, and about 1 foot in Malla Danpur. On the peaks round the Pindari Glacier there was no old snow below 16,000 feet. At the end of the month there was an accumulation of about 22 feet on the Nuwe pass as compared with 20 feet, the normal for the period.

(C).—The period October to December.—

In October slight falls occurred on the higher peaks of the Sufed Koh on the 1st and the 15th. In Kashmir there were occasional snowstorms down to very low levels: at Sonemarg a total of about 1 foot of snow was measured on the 1st and 2nd. At the end of the month the accumulated snow was about 2 feet in depth on the Zoji-la and a few inches on the Hungsathu. There were a few light falls of snow in the Punjab Himalayas. The lowest level reached in the Simla hills was about 9,300 feet. All the well-known passes near Kilba remained open. Snow fell on three days in Garhwal but the falls were not heavy and were confined to the higher peaks in the north. In Almora snowstorms were of occasional occurrence. The total fall amounted to about 6 feet on the Nuwe pass, 4½ feet in Byans, 3

feet in Chaudas and 7 inches in Malla Danpur. The snowline came down to the foot of the hills and a good deal of fresh snow lay as low as 11,000 feet at the close of the month. The depths of accumulated snow on the Nuwe and Binkaru passes were 24 and 13 feet, 3 and 2 feet more than the respective normal amounts.

On the hills near Kermanshah, in west Persia, the first snowfall of the winter season occurred on the 15th November, which is about the normal date. Slight snow fell on the highest points of the Sufed Koh on the 12th and 25th; some snow was also reported to have fallen in the Afghan and Kafiristan mountains. A few snowstorms occurred in the mountains of Kashmir towards the end of the month and the Deosai pass remained closed; the total quantity of snow received measured about 2 feet on the Zoji-la and the Hungsathu. In Ladak there was general snowfall on the 27th and 28th; the fall on these dates measured 5 inches in depth of snow at Leh. In the Punjab Himalayas light snow fell on the hills near Kilba on the 4th and moderately heavy snow on the 25th and 27th. The lowest level reached was about 10,000 feet on the 4th and about 6,000 feet on the 27th. At Kalabagh on the Chor range a total of 18 inches was measured on the 25th and 28th. On the higher mountains in Garhwal snowstorms occurred on the 11th and again from the 25th to the 28th: of these the storm of the 28th was severe and attended with heavy snowfall. There were occasional falls in Almora. The total quantity received during the month amounted to 15 feet on the Nuwe pass, 7 feet in Malla Johar, 5½ feet in Malla Byans, 3¾ feet on the Binkaru pass and 1½ feet in Malla Danpur. At the end of the month the accumulated snow measured about 27 feet in depth on the Nuwe pass, 15 feet on the Binkaru pass, 9 feet on the Untadhura and 4 feet on the Ralamdhura and the Lipulekh. The accumulations were about normal in amount except in the case of the Nuwe pass where they were greater than usual. At Gangtok in Sikkim there were the usual occasional slight falls of snow at elevations over 10,000 feet.

During December heavy snow fell in southern Russia, the Caucasus and the mountains along the northern frontier of Persia. There were several snowstorms in the Afghan mountains. The aggregate fall was considerably above the normal at Kabul. On the mountain ranges of Hazara the snowfall commenced earlier than usual, and was apparently heavy. In Kashmir the snowfall, although somewhat irregularly distributed, was much in excess of the normal. The first fall of the season occurred in the valley before the normal date. On the ranges near Kilba snow fell on three occasions. The snowline descended to an unusually low level on the 25th. In Garhwal there were altogether five falls and the lowest level reached was 5,000 feet. In Almora the accumulations were not quite as deep as usual at the end of the month, and the snowline was at about 13,000 feet.

Rainfall.

The rainfall data of India are now issued annually in a separate volume entitled "Rainfall of India." The eighteenth volume, that of 1908, contains the whole rainfall data of 2,709 stations which are there classified under their respective administrative divisions according to the following scheme:—

Province.	Number of stations.
Burma	188
Eastern Bengal and Assam	234
Bengal	317
United Provinces of Agra and Oudh	287
Punjab	189
North-West Frontier Province	35
Bombay	289
Madras (including Puddukkottai, Travancore and Cochin)	493
Coorg	10
Central Provinces	171
Mysore	77
Baluchistan	61
Kashmir	38
Rajputana	180
Central India	118
Hyderabad (Deccan)	22
Total ...	2,709

The information includes monthly statements of—

(*a*) the actual rainfall, day by day, of all the rainfall stations;

(*b*) the total rainfall of the month;

(*c*) the number of rainy days during the month;

(*d*) the average or normal rainfall of the month of all stations for which rainfall data of at least five years are available;

(*e*) the average or normal number of rainy days of the month for all stations for which rainfall data of five years or upwards are available;

Symons' rain-gauges are now used at all rain-gauge stations, with the exception of those in Mysore. The time of measuring rainfall is 8 hrs. throughout India, and the amounts registered give the rainfall of the previous 24 hours, and hence generally of the previous civil day.

The three tables (Tables 93 to 95) give summaries of the rainfall data of the year. The first and second tables give average rainfall data based on the returns of about 2,000 raingauge stations for the 14 chief political divisions and the 34 sub-divisions respectively, while the third table (Table 95) contains data of the number of rainy days for the 34 sub-divisions for the four seasons into which the year has been divided.

TABLE 93—*Average, over the 14 chief political divisions, of the actual and normal rainfall for the four seasons of the year 1908, and for the whole year.*

Division.	January and February.				March to May.				June to September.				October to December.				Whole Year.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.	Actual.	Normal.	Departure from normal.	Percentage departure from normal.	Actual.	Normal.	Departure from normal.	Percentage departure from normal.	Actual.	Normal.	Departure from normal.	Percentage departure from normal.	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	%	"	"	"	%	"	"	"	%	"	"	"	%	"	"	"	%
Burma	0·14	0·26	—0·12	—46	8·15	10·65	—2·50	—23	60·45	60·38	+0·07	0	13·39	7·30	+6·09	+83	82·13	78·59	+3·54	+5
Eastern Bengal and Assam	1·56	1·77	—0·21	—12	16·91	21·26	—4·35	—20	55·79	63·40	—7·61	—12	3·57	6·08	—2·51	—41	77·83	92·51	—14·68	—16
Bengal	1·79	1·23	+0·56	+46	2·91	5·34	—2·43	—46	38·67	43·76	—5·09	—12	1·08	4·20	—3·12	—74	44·45	54·53	—10·08	—18
United Provinces	1·53	1·51	+0·02	+1	0·60	1·21	—0·61	—50	30·97	34·99	—4·02	—11	0·27	1·81	—1·54	—85	33·37	39·52	—6·15	—16
Punjab	1·94	2·12	—0·18	—8	1·84	1·71	+0·13	+8	25·34	16·20	+9·14	+56	0·26	0·80	—0·54	—67	29·38	20·83	+8·55	+41
North-West Frontier Province	4·31	2·72	+1·59	+58	6·45	3·79	+2·66	+70	15·51	8·61	+6·90	+80	1·34	1·24	+0·10	+8	27·61	16·36	+11·25	+69
Sind	0·77	0·53	+0·24	+45	0·22	0·39	—0·17	—44	11·19	5·49	+5·70	+104	0	0·22	—0·22	—100	12·18	6·63	+5·55	+84
Rajputana	0·63	0·56	+0·07	+13	0·36	0·65	—0·29	—45	32·91	19·68	+13·23	+67	0·06	0·68	—0·62	—91	33·96	21·57	+12·39	+57
Bombay	0·07	0·18	—0·11	—61	0·68	1·58	—0·90	—57	42·98	42·38	+0·60	+1	0·67	3·68	—3·01	—82	44·40	47·82	—3·42	—7
Central India	0·85	0·87	—0·02	—2	0·40	0·54	—0·14	—26	37·20	35·39	+1·81	+5	0·25	1·58	—1·33	—84	38·70	38·38	+0·32	+1
Central Provinces	0·81	0·75	+0·09	+12	0·98	1·18	—0·20	—17	42·60	36·92	+5·68	+15	0·46	2·56	—2·10	—82	44·88	41·41	+3·47	+8
Hyderabad	0·44	0·25	+0·19	+76	0·48	1·86	—1·38	—74	32·54	26·26	+6·28	+24	0·10	4·12	—4·02	—98	33·56	32·49	+1·07	+3
Mysore	0·67	0·11	+0·56	+509	5·73	5·19	+0·54	+10	18·34	20·66	—2·32	—11	2·74	8·65	—5·91	—68	27·48	34·61	—7·13	—21
Madras	1·64	0·86	+0·78	+91	3·48	4·48	—1·00	—22	25·73	24·23	+1·50	+6	9·21	14·54	—5·33	—37	40·06	44·11	—4·05	—9
Mean of India when the size of the above areas is taken into account.	1·05	0·90	+0·15	+17	3·37	4·50	—1·13	—25	37·44	35·35	+2·09	+6	2·99	4·44	—1·45	—33	44·85	45·19	—0·34	—1

TABLE 94.—*Average, over the 34 sub-divisions, of the actual and normal rainfall for the four seasons of the year 1908, and for the whole year.*

Sub-division.	January and February.				March to May.				June to September.				October to December.				Whole year.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.	Actual.	Normal.	Departure from normal.	Percentage departure from normal.	Actual.	Normal.	Departure from normal.	Percentage departure from normal.	Actual.	Normal.	Departure from normal.	Percentage departure from normal.	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	%	"	"	"	%	"	"	"	%	"	"	"	%	"	"	"	%
1. Bay Islands	2·09	1·15	+0·94	+82	15·74	15·45	+0·29	+2	73·58	60·15	+13·43	+22	11·05	19·62	—8·57	—44	102·46	96·37	+6·09	+6
2. Lower Burma	0·05	0·24	—0·19	—79	11·28	14·81	—3·53	—24	100·76	99·06	+1·70	+2	15·46	8·75	+6·71	+77	127·55	122·86	+4·69	+4
3. Upper Burma	0·20	0·26	—0·06	—23	5·61	7·24	—1·63	—23	26·65	27·95	—1·30	—5	11·62	6·06	+5·56	+92	44·08	41·51	+2·57	+6
4. Assam	1·64	2·23	—0·59	—26	20·99	27·06	—6·07	—22	62·07	64·06	—1·99	—	4·31	6·20	—1·89	—30	89·01	99·55	—10·54	—11
5. Eastern Bengal	1·48	1·29	+0·19	+15	13·59	15·27	—2·68	—16	49·43	62·71	—13·28	—21	2·81	5·94	—3·13	—53	66·31	85·21	—18·90	—22
6. Bengal	1·41	1·28	+0·13	+10	4·41	7·60	—3·19	—42	45·92	44·64	+1·28	+3	0·95	4·54	—3·59	—79	52·69	58·06	—5·37	—9
7. Orissa	1·44	1·00	+0·44	+44	2·85	5·77	—2·92	—51	51·34	44·02	+7·32	+17	1·91	6·94	—5·03	—72	57·54	57·73	—0·19	0
8. Chota Nagpur	2·22	1·27	+0·95	+75	2·08	3·91	—1·83	—47	42·34	44·92	—2·58	—6	1·05	3·30	—2·25	—68	47·69	53·40	—5·71	—11

TABLE 94.—*Average, over the 34 sub-divisions of the actual and normal rainfall for the four seasons of the year 1908, and for the whole year*—concld.

Sub-division.	January and February.				March to May.				June to September.				October to December.				Whole year.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.	Actual.	Normal.	Departure from normal.	Percentage departure from normal.	Actual.	Normal.	Departure from normal.	Percentage departure from normal.	Actual.	Normal.	Departure from normal.	Percentage departure from normal.	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	%	"	"	"	%	"	"	"	%	"	"	"	%	"	"	"	%
9. Bihar	2·19	1·25	+0·94	+75	1·64	3·12	−1·48	−47	22·95	42·13	−19·18	−46	0·85	2·88	−2·03	−70	27·63	49·38	−21·75	−44
10. United Provinces, East	1·23	1·23	0	0	0·46	1·12	−0·66	−59	27·77	35·44	−7·67	−22	0·40	2·31	−1·91	−83	29·86	40·10	−10·24	−26
11. United Provinces, West	1·89	1·83	+0·06	+3	0·76	1·31	−0·55	−42	34·60	34·46	+0·14	0	0·13	1·25	−1·12	−90	37·38	38·85	−1·47	−4
12. Punjab, East and North	2·16	2·39	−0·23	−10	1·84	1·82	+0·02	+1	28·08	18·84	+9·24	+49	0·33	0·92	−0·59	−64	32·41	23·97	+8·44	+35
13. Punjab, Southwest	1·11	1·09	+0·02	+2	1·91	1·29	+0·62	+48	14·83	6·12	+8·71	+142	0·03	0·39	−0·36	−92	17·88	8·89	+8·99	+101
14. Kashmir	3·92	6·40	−2·48	−39	8·45	6·88	+1·57	+23	12·91	11·82	+1·09	+9	3·53	2·52	+1·01	+40	28·81	27·62	+1·19	+4
15 North-West Frontier Province	4·31	2·72	+1·59	+58	6·45	3·79	+2·66	+70	15·51	8·61	+6·90	+80	1·34	1·24	+0·10	+8	27·61	16·36	+11·25	+69
16. Baluchistan	1·34	2·83	−1·49	−53	2·00	1·80	+0·20	+11	2·89	2·10	+0·79	+38	0·67	1·52	−0·85	−56	16·90	8·25	−1·35	−16
17. Sind	0·77	0·53	+0·24	+45	0·22	0·39	−0·17	−44	11·19	5·49	+5·70	+104	0	0·22	−0·22	−100	12·18	6·63	+5·55	+84
18. Rajputana, West	0·39	0·29	+0·10	+34	0·28	0·44	−0·16	−36	25·60	10·67	+14·93	+140	0·05	0·41	−0·36	−88	26·32	11·81	+14·51	+123
19. Rajputana, East	0·73	0·65	+0·08	+12	0·39	0·74	−0·35	−47	35·57	22·99	+12·58	+55	0·06	0·78	−0·72	−92	36·75	25·16	+11·59	+46
20. Gujarat	0·17	0·15	+0·02	+13	0	0·27	−0·27	−100	34·79	33·47	+1·32	+4	0·04	1·17	−1·13	−97	35·00	35·06	−0·06	0
21. Central India, West	0·59	0·53	+0·06	+11	0·36	0·42	−0·06	−14	31·65	32·47	−0·82	−3	0·04	1·20	−1·16	−97	32·64	34·62	−1·98	−6
22. Central India, East	1·36	1·50	−0·14	−9	0·44	0·79	−0·35	−44	48·51	41·04	+7·47	+18	0·77	2·32	−1·55	−67	51·08	45·65	+5·43	+12
23. Berar	0·11	0·52	−0·41	−79	1·31	0·98	+0·33	+34	33·56	27·16	+6·40	+24	0·09	2·58	−2·49	−97	35·07	31·24	+3·83	+12
24. Central Provinces, West	0·83	0·93	−0·10	−11	1·01	0·97	+0·04	+4	43·99	41·31	+2·68	+6	0·76	2·44	−1·68	−69	46·59	45·65	+0·94	+2
25. Central Provinces, East	2·21	0·85	+1·36	+160	0·29	1·84	−1·55	−84	56·82	47·47	+9·35	+20	0·61	2·72	−2·11	−78	59·93	52·88	+7·05	+13
26. Konkan	0·07	0·18	−0·11	−61	0·70	1·98	−1·28	−65	107·19	105·55	+1·64	+2	1·17	5·43	−4·26	−78	109·13	113·14	−4·01	−4
27. Bombay, Deccan	0·01	0·19	−0·18	−95	1·12	2·31	−1·19	−52	24·77	25·02	−0·25	−1	0·88	4·65	−3·77	−81	26·78	32·17	−5·39	−17
28. Hyderabad, North	0·11	0·24	−0·13	−54	0·57	1·50	−0·93	−62	32·17	30·16	+2·01	+7	0·02	3·91	−3·89	−99	32·87	35·81	−2·94	−8
29. Hyderabad, South	0·72	0·26	+0·46	+177	0·39	2·15	−1·76	−82	32·86	23·01	+9·85	+43	0·18	4·30	−4·12	−96	34·15	29·72	+4·43	+15
30. Mysore	0·67	0·11	+0·56	+509	5·73	5·19	+0·54	+10	18·34	20·66	−2·32	−11	2·74	8·65	−5·91	−68	27·48	34·61	−7·13	−21
31. Malabar	0·54	0·40	+0·14	+35	7·68	10·55	−2·87	−27	116·04	102·74	+13·30	+13	6·98	14·99	−8·01	−53	131·24	128·68	+2·56	+2
32. Madras, Southeast	2·00	1·21	+0·79	+65	4·00	4·55	−0·55	−12	10·91	11·87	−0·96	−8	13·73	18·03	−4·30	−24	30·64	35·66	−5·02	−14
33. Madras, Deccan	0·87	0·23	+0·64	+278	2·08	2·51	−0·43	−17	14·79	14·67	+0·12	+1	2·59	7·38	−4·79	−65	20·33	24·79	−4·46	−18
34. Madras Coast, North	2·00	0·69	+1·31	+190	2·01	3·42	−1·41	−41	26·76	24·34	+2·42	+10	5·58	12·00	−6·42	−54	36·35	40·45	−4·10	−10

TABLE 95.—*Average, over the 34 sub-divisions, of the actual and normal number of rainy days for the four seasons of the year 1908, and for the whole year.*

Sub-division.	January and February.			March to May.			June to September.			October to December.			Whole Year.		
	Actual.	Normal.	Departure from normal.	Actual.	Normal.	Departure from normal.	Actual.	Normal.	Departure from normal.	Actual.	Normal.	Departure from normal.	Actual.	Normal.	Departure from normal.
1. Bay Islands	3·0	2·4	+0·6	19·0	20·4	−1·4	78·0	82·0	−4·0	20·0	29·8	−9·8	120·0	134·6	−14·6
2. Lower Burma	0·1	0·4	−0·3	14·0	16·5	−2·5	94·0	90·1	+3·9	19·5	12·3	+7·2	127·6	119·3	+8·3

Table 95.—*Average, over the 34 sub-divisions, of the actual and normal number of rainy days for the four seasons of the year 1908, and for the whole year—concld.*

Sub-division.	January and February.			March to May.			June to September.			October to December.			Whole Year.		
	Actual.	Normal.	Departure from normal.	Actual.	Normal.	Departure from normal.	Actual.	Normal.	Departure from normal.	Actual.	Normal.	Departure from normal.	Actual.	Normal.	Departure from normal.
3. Upper Burma	0·6	0·7	−0·1	9·8	11·0	−1·2	39·3	40·0	−0·7	15·0	9·1	+5·9	64·7	60·8	+3·9
4. Assam	5·7	5·2	+0·5	27·4	31·9	−4·5	66·0	67·7	−1·7	6·2	8·5	−2·3	105·3	113·3	−8·0
5. Eastern Bengal	3·2	2·3	+0·9	14·6	17·6	−3·0	55·8	62·7	−6·9	3·7	6·1	−2·4	77·3	88·7	−11·4
6. Bengal	2·7	2·4	+0·3	7·8	11·1	−3·3	56·2	55·4	+0·8	1·6	5·5	−3·9	68·3	74·4	−6·1
7. Orissa	2·5	1·8	+0·7	5·6	8·8	−3·2	62·0	52·6	+9·4	2·7	7·8	−5·1	72·8	71·0	+1·8
8. Chota Nagpur	3·8	2·7	+1·1	4·6	7·1	−2·5	56·5	53·9	+2·6	1·2	4·6	−3·4	66·1	68·3	−2·2
9. Bihar	4·3	2·7	+1·6	3·4	4·9	−1·5	30·5	46·4	−15·9	1·0	3·4	−2·4	39·2	57·4	−18·2
10. United Provinces, East	3·0	2·7	+0·3	1·2	2·4	−1·2	34·5	38·4	−3·9	0·7	2·5	−1·8	39·4	46·0	−6·6
11. United Provinces, West	2·9	3·6	−0·7	1·6	3·1	−1·5	36·4	34·9	+1·5	0·4	1·9	−1·5	41·3	43·5	−2·2
12. Punjab, East and North	3·0	4·5	−1·5	4·6	4·3	+0·3	29·0	20·2	+8·8	1·1	1·7	−0·6	37·7	30·7	+7·0
13. Punjab, Southwest	2·5	2·6	−0·1	4·3	3·1	+1·2	15·4	8·3	+7·1	0·2	0·8	−0·6	22·4	14·8	+7·6
14. Kashmir	8·7	10·0	−1·3	14·6	13·3	+1·3	20·9	16·9	+4·0	5·1	5·5	−0·4	49·3	45·7	+3·6
15. North-West Frontier Province	8·6	5·3	+3·3	10·6	7·6	+3·0	18·3	11·6	+6·7	3·2	2·3	+0·9	40·7	26·8	+13·9
16. Baluchistan	3·5	6·6	−3·1	5·4	4·8	+0·6	5·5	3·7	+1·8	1·8	3·5	−1·7	16·2	18·6	−2·4
17. Sind	1·1	1·5	−0·4	0·5	1·0	−0·5	9·3	6·2	+3·1	0	0·5	−0·5	10·9	9·2	+1·7
18. Rajputana, West	1·0	0·8	+0·2	0·8	1·1	−0·3	26·5	13·4	+13·1	0·2	0·8	−0·6	28·5	16·1	+12·4
19. Rajputana, East	1·2	1·6	−0·4	0·9	1·9	−1·0	38·6	27·8	+10·8	0·2	1·6	−1·4	40·9	32·9	+8·0
20. Gujarat	0·7	0·3	+0·4	0	0·6	−0·6	42·6	36·4	+6·2	0·1	1·6	−1·5	43·4	38·9	+4·5
21. Central India, West	1·1	1·2	−0·1	1·1	0·9	+0·2	42·6	39·2	+3·4	0·1	2·3	−2·2	44·9	43·6	+1·3
22. Central India, East	2·5	3·1	−0·6	1·4	1·9	−0·5	50·7	44·3	+6·4	1·3	3·2	−1·9	55·9	52·5	+3·4
23. Berar	0·1	1·1	−1·0	3·8	2·2	+1·6	45·2	38·1	+7·1	0·4	3·6	−3·2	49·5	45·0	+4·5
24. Central Provinces, West	1·6	1·8	−0·2	2·7	2·3	+0·4	53·3	47·1	+6·2	1·5	3·5	−2·0	59·1	54·7	+4·4
25. Central Provinces, East	2·7	1·6	+1·1	1·0	3·9	−2·9	62·9	51·7	+11·2	1·2	3·9	−2·7	67·8	61·1	+6·7
26. Konkan	0·2	0·3	−0·1	1·0	2·7	−1·7	86·4	85·9	+0·5	2·5	7·7	−5·2	90·1	96·6	−6·5
27. Bombay Deccan	0	0·4	−0·4	2·5	4·4	−1·9	39·1	38·3	+0·8	1·9	7·0	−5·1	43·5	50·1	−6·6
28. Hyderabad, North	0·4	0·5	−0·1	1·6	3·6	−2·0	42·3	42·3	0	0	5·9	−5·9	44·3	52·3	−8·0
29. Hyderabad, South	1·0	0·6	+0·4	1·4	4·3	−2·9	37·4	37·7	−0·3	0·7	7·1	−6·4	40·5	49·7	−9·2
30. Mysore	0·9	0·2	+0·7	8·6	8·6	0	30·5	31·5	−1·0	6·3	13·0	−6·7	46·3	53·3	−7·0
31. Malabar	1·0	0·4	+0·6	10·2	13·5	−3·3	83·9	86·9	−3·0	10·2	19·0	−8·8	105·3	119·8	−14·5
32. Madras, Southeast	3·1	1·7	+1·4	6·4	6·5	−0·1	17·0	18·2	−1·2	15·2	21·2	−6·0	41·7	47·6	−5·9
33. Madras, Deccan	0·5	0	+0·5	3·5	4·5	−1·0	28·1	24·6	+3·5	4·1	10·5	−6·4	36·2	39·6	−3·4
34. Madras Coast, North	2·5	0·8	+1·7	3·8	5·4	−1·6	39·6	35·5	+4·1	5·5	12·0	−6·5	51·4	53·7	−2·3

I.—The cold weather period.—On the whole this was a season of much less precipitation than any of its three predecessors. The winter rains began in northern India on the 9th of January, about a fortnight after the usual date, and were on the whole about normal in quantity. Their distribution in time and space was however by no means of the ordinary character. Thus the rainfall of January although plentiful throughout the greater part of the plains occurred chiefly during the period 9th to 15th, while that of February was scanty except in southern India, Bihar, Chota Nagpur and the east of the Central Provinces—areas beyond the influence of the few cold weather disturbances of the month.

(*a*) The precipitation of the period in northwest India was rather irregularly distributed, being in excess in the North-West Frontier Province, Sind, Rajputana and Gujarat, nearly normal in the Punjab and United Provinces and markedly in defect in Kashmir and Baluchistan.

TABLE 96.

Division.	Rainfall of period, January and February.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
United Provinces	1·53	1·51	+0·02	+1
Punjab	1·94	2·12	—0·18	—8
Kashmir	3·92	6·40	—2·48	—39
North-West Frontier Province	4·31	2·72	+1·59	+58
Baluchistan	1·34	2·83	—1·49	—53
Sind	0·77	0·53	+0·24	+45
Rajputana	0·63	0·56	+0·07	+13
Gujarat	0·17	0·15	+0·02	+13

It may be noted that the general mildness of the weather in this period, as shown by the data of the previous statement, was foreshadowed by the almost entire absence of unsettled weather in December.

(*b*) Over the region lying to the east of the United Provinces more than the average amount of rain fell: the excess however did not extend into Assam and Burma where the season's fall was well below the normal. Further south over the Bay Islands there was a large excess due solely to heavy rainfall in February, a circumstance prejudicial to the occurrence of abundant rain in northwest India.

TABLE 97.

Sub-division.	Rainfall of period, January and February.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Bay Island	2·09	1·15	+0·94	+82
Lower Burma	0·05	0·24	—0·19	—79
Upper Burma	0·20	0·26	—0·06	—23
Assam	1·64	2·23	—0·59	—26
Eastern Bengal	1·48	1·29	+0·19	+15
Bengal	1·79	1·23	+0·56	+46

(*c*) In the peninsula the rainfall was unusually heavy in Madras, Mysore and the south of Hyderabad and lighter than usual elsewhere. In the Central Provinces and Central India the distribution was rather irregular, but over a large part there occurred a defect which was most marked in Berar (79 per cent.)

TABLE 98.

Sub-division.	Rainfall of period, January and February.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Central India, West	0·59	0·53	+0·06	+11
Central India, East	1·36	1·50	—0·14	—9
Bera	0·11	0·52	—0·41	—79
Central Provinces, West	0·83	0·93	—0·10	—11
Central Provinces, East	2·21	0·85	+1·36	+160
Konkan	0·07	0·18	—0·11	—61
Bombay Deccan	0·01	0·19	—0·18	—95
Hyderabad, North	0·11	0·24	—0·13	—54
Hyderabad, South	0·72	0·26	+0·46	+177
Mysore	0·67	0·11	+0·56	+509
Malabar	0·54	0·40	+0·14	+35
Madras, Southeast	2·00	1·21	+0·79	+65
Madras, Deccan	0·87	0·23	+0·64	+278
Madras Coast, North	2·00	0·69	+1·31	+190

(*d*) The precipitation was much in excess of the normal at Kabul, Tehran and Ispahan, and more or less in defect over the rest of Persia. These features of the rainfall distribution would suggest that the course pursued by the disturbances of the period was on the whole much further north than usual.

TABLE 99.

Station.	Rainfall of period, January and February.			
	Actual.	Normal	Departure from normal.	Percentage departure from normal.
	"	"	"	
Aden	0·07	0·61	−0·54	−89
Perim	2·08	0·60	+1·48	+247
Baghdad	2·02	3·55	−1·53	−43
Ispahan	2·43	0·43	+2·00	+465
Tehran	2·88	2·11	+0·77	+36
Bushire	4·40	5·47	−1·07	−20
Meshed	1·21	1·44	−0·23	−16
Jask	0·23	1·84	−1·61	−88
Chaman	1·80	3·05	−1·25	−41
Quetta	1·60	4·24	−2·64	−62
Kabul	11·08	2·22	+8·86	+399
Gilgit	0·46	0·37	+0·09	+24
Srinagar	4·13	6·29	−2·16	−34
Kashgar	0·18	0·39	−0·21	−54
Leh	0·56	0·66	−0·10	−15

(*e*) In the sub-equatorial region as represented by the Seychelles and Zanzibar the rainfall was very scanty in January and excessive in February. At Mauritius on the other hand it was throughout above normal.

TABLE 100.

Station.	Departure from normal of rainfall.		
	January.	February.	Period, January and February.
	"	"	"
Seychelles	−14·63	+6·95	−7·68
Zanzibar	−2·94	−2·64	−5·58
Mauritius	+3·06	+1·52	+4·58

II.—The hot weather period.—(*a*) This period was characterised by a drought, almost as extensive as and more prolonged than that of the corresponding period of 1906. In northern India all the three months brought less than an average fall except in upper India, where a heavy burst of rain occurred in April between the 4th and 13th from a storm of the cold weather type and more than compensated for the dryness of the rest of the period. The peninsula including the Central Provinces was affected almost as generally by the dry weather as northern India; for the only parts where the aggregate precipitation of the period equalled or exceeded the average were Berar, the Central Provinces West and Mysore. The total amount as compared with the normal fall for the period was almost insignificant in the Central Provinces East and Hyderabad South which constituted the region of greatest percentage deficiency of rainfall.

In Burma also the fall was more or less deficient throughout the period.

TABLE 101.

Division.	Rainfall of period, March to May.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Burma	8·15	10·65	−2·50	−23
Eastern Bengal and Assam	16·91	21·26	−4·35	−20
Bengal	2·91	5·34	−2·43	−46
United Provinces	0·60	1·21	−0·61	−50
Punjab	1·84	1·71	+0·13	+8
North-West Frontier Province	6·45	3·79	+2·66	+70
Sind	0·22	0·39	−0·17	−44
Rajputana	0·36	0·65	−0·29	−45
Bombay	0·68	1·58	−0·90	−57
Central India	0·40	0·54	−0·14	−26
Central Provinces	0·98	1·18	−0·20	−17
Hyderabad	0·48	1·86	−1·38	−74
Mysore	5·73	5·19	+0·54	+10
Madras	3·48	4·48	−1·00	−22
Mean of India when the size of the above areas is taken into account.	3·37	4·50	−1·13	−25

(*b*) In the highlands of Afghanistan and Persia as in northwest India March was drier, and April rainier than usual, but in May the excess in Persia did not extend eastwards.

TABLE 102.

Station.	Departure from normal.			
	March.	April.	May.	Percentage departure of period, March to May.
	"	"	"	
Aden	—0·87	—0·38	—0·19	—100
Perim	—0·27	—0·02	—0·37	—100
Baghdad	—0·95	—0·71	—0·13	—64
Ispahan	+0·45	+0·75	+0·12	+89
Tehran	—0·93	+0·23	+0·03	—16
Bushire	—0·56	—0·42	+0·07	—59
Meshed	—1·70	+0·56	+1·26	+2
Jask	—1·09	—0·03	0	—95
Chaman	+0·96	+0·67	—0·05	+88
Quetta	—0·62	—0·14	—0·38	—34
Kabul	—2·87	+3·07	—0·42	—3
Gilgit	—0·57	+0·45	+1·74	+70
Srinagar	—2·02	+7·92	+0·74	+61
Kashgar	+0·50	+0·58	—0·88	+17
Leh	—0·17	—0·07	—0·16	—67

(*c*) In the subequatorial belt as a whole rainfall varied from the normal in the same direction as in Persia. In the south of the Indian Ocean as represented by Mauritius the rainfall was well above normal in the first two months and in defect in May.

TABLE 103.

Station.	Departure from normal of rainfall.			
	March.	April.	May	Period, March to May.
	"	"	"	"
Seychelles	—3·34	+3·53	+0·04	+0·23
Zanzibar	—1·40	—3·12	+3·56	—0·96
Mauritius	+4·52	+2·94	—2·24	+5·22

III.—The southwest monsoon period.—Like the preceding two years the initial advance of the monsoon on the coasts of India occurred somewhat after the usual date, but its progress inland although less rapid than in 1906 was not retarded to the same extent as in 1907. Both currents reached India almost simultaneously near the middle of June, but failed to penetrate into the interior in the normal manner, so that it was not until the 7th of July that the monsoon set in with its usual strength and steadiness over northwestern India and Central India. From the second week of July to the 4th of September the westerly branch was unusually vigorous and gave abundant rain over the region under its sway, but particularly to northwest India. Thereafter it fell off rapidly and during the rest of the month its activity was displayed mainly in the peninsula, where in the last week in conjunction with a storm from the Bay it gave downpours of rain which produced disastrous floods in Hyderabad.

The Bay current on the other hand was not so active as usual and was never properly established in Bihar and the east of the United Provinces.

The final termination of the rains in upper India occurred on the 10th of September, within a few days of the normal date.

(*a*) The total precipitation given by the Bay current over the region served by it almost exclusively was within 5 per cent of the normal amount. Its local distribution was however marked by much irregularity, there being an excess of about 20 per cent. in the Bay Islands and Orissa, and a defect of over 20 per cent in Eastern Bengal, Bihar and the east of the United Provinces.

TABLE 104.

Sub-division.	Rainfall of period, June to September.			
	Actual.	Normal.	Departure from normal.	Percentage departue from normal.
	"	"	"	
Bay Islands	73·58	60·15	+13·43	+22
Lower Burma	100·76	99·06	+1·70	+2
Upper Burma	26·65	27·95	—1·30	—5
Assam	62·07	64·06	—1·99	—3
Eastern Bengal	49·43	62·71	—13·28	—21
Bengal	45·92	44·64	+1·28	+3
Orissa	51·34	44·02	+7·32	+17
Chota Nagpur	42·34	44·92	—2·58	—6
Bihar	22·95	42·13	—19·18	—46
United Provinces, East	27·77	35·44	—7·67	—22
Madras Coast, North	26·76	24·34	+2·42	+10

The defect in Eastern Bengal, Bihar and the east of the United Provinces was common to nearly the whole of the period, though on the whole most pronounced in the terminal months.

TABLE 105.

Sub-division.	Percentage departure from normal			
	June.	July.	August.	September.
Eastern Bengal	—39	—6	—51	—10
Bihar	—58	—45	—47	—34
United Provinces, East	—61	—15	+10	—57

(*b*) In the region dominated by the Arabian Sea current on the other hand the rainfall of the period was in general unusually abundant and very favourably distributed; the only divisions which obtained less than their normal share were Central India West, the Bombay Deccan, Mysore and Madras Southeast; but nowhere did the defect exceed 11 per cent. in amount. The excess was well marked in northwest India, the east of Central India, the greater part of the Central Provinces, Hyderabad South and Malabar; and, it was absolutely greatest in Rajputana West, which obtained nearly 15″ or 140 per cent more than its normal supply.

TABLE 106.

Sub-division.	Rainfall of period, June to September.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	″	″	″	
United Provinces, West	34·60	34·46	+0·14	0
Punjab, East and North	28·08	18·84	+9·24	+49
Punjab, Southwest	14·83	6·12	+8·71	+142
North-West Frontier Province	15·51	8·61	+6·90	+80
Sind	11·19	5·49	+5·70	+104
Rajputana, West	25·60	10·67	+14·93	+140
Rajputana, East	35·57	22·99	+12·58	+55
Gujarat	34·79	33·47	+1·32	+4
Central India, West	31·65	32·47	—0·82	—3
Central India, East	48·51	41·04	+7·47	+18
Berar	33·56	27·16	+6·40	+24
Central Provinces, West	43·99	41·31	+2·68	+6
Central Provinces, East	56·82	47·47	+9·35	+20
Konkan	107·19	105·55	+1·64	+2
Bombay Deccan	24·77	25·02	—0·25	—1
Hyderabad, North	32·17	30·16	+2·01	+7
Hyderabad, South	32·86	23·01	+9·85	+43
Mysore	18·34	20·66	—2·32	—11
Malabar	116·04	102·74	+13·30	+13
Madras, Southeast	10·91	11·87	—0·96	—8
Madras, Deccan	14·79	14·67	+0·12	+1

The most conspicuous feature of the rains of the monsoon of 1908 was its abnormal determination to northwest India which therefore obtained much larger amounts of rainfall than any previously on record. The accompanying table gives all the cases of excess since 1875.

Excess of monsoon rainfall of northwest India in inches.

TABLE 107.

1875	1876	1878	1881	1882	1884	1887	1890	1892	1893	1894	1900	1908
″	″	″	″	″	″	″	″	″	″	″	″	″
+6·74	+1·41	+8·53	+1·07	+2·13	+2·89	+0·72	+0·05	+6·91	+3·01	+4·13	+1·9	+8·75

There was a fair excess of rainfall also in Kashmir and Baluchistan—a further illustration of the unusual extension of the monsoon currents in 1908. In this area the rainfall was exceptionally heavy for the time of year at Leh, an indication that the currents were of much greater vertical depth than usual.

TABLE 108.

Area.	Rainfall of period, June to September.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Kashmir	12·91	11·82	+1·09	+9
Leh	3·84	1·31	+2·53	+193
Baluchistan	2·89	2·10	+0·79	+38

(*c*) In regions further to the west and north the weather was even drier than usual. It is significant that the abnormal activity of the Arabian Sea current was quite as conspicuous at Perim and Aden as in India.

TABLE 109.

Station.	Rainfall of period, June to September.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Aden	0·87	0·31	+0·56	+181
Perim	1·95	0·47	+1·48	+315
Baghdad	0	0·09	—0·09	—100
Ispahan	0	0·06	—0·06	—100
Tehran	0·03	0·64	—0·61	—95
Bushire	0	0	0	0
Meshed	0·95	0·27	+0·68	+252
Jask	0	0·13	—0·13	—100
Kabul	0·48	0·62	—0·14	—23
Kashgar	1·20	2·13	—0·93	—44

(*d*) In subequatorial regions the rainfall although rather irregularly distributed was on the whole fairly normal in amount. At Mauritius the excess which had characterized the cold and hot weather seasons was continued also into this period.

TABLE 110.

Station.	Rainfall of period, June to September.			
	Actual.	Normal.	Departure from normal	Percentage departure from normal.
	"	"	"	
Seychelles	13·82	15·93	—2·11	—13
Zanzibar	10·54	7·77	+2·77	+36
Mauritius	10·85	8·03	+2·82	+35

IV.—The retreating southwest monsoon period.

After its retreat from upper India in the second week of September the monsoon became very weak and except for a short period towards the beginning of October gave scarcely any rain over the Gangetic plain and Central India. The final cessation of the rains thus occurred several weeks earlier than usual over a large part of northern and central India: the crops accordingly suffered though not to the same extent as in 1907. The statement below will afford the means of comparison of the monsoons of 1907 and 1908 in respect of their early withdrawal.

TABLE 111.

Division.	Actual date of termination of rains in		Normal date of termination of rains.
	1908.	1907.	
United Provinces, West	9th September	29th August	26th September
" " East	" "	7th September	10th October
Bihar	3rd October	26th "	15th "
Chota Nagpur	" "	25th "	15th "
Bengal	5th "	26th "	31st "
Central India	11th September	22nd "	30th September
Central Provinces	1st October	23rd "	15th October

The rainfall due to the retreating monsoon current was very scanty and below the normal throughout the period except in Burma which obtained nearly double its normal quantity; this was chiefly due to a cyclonic storm that struck the coast at Akyab at about 23 hrs. on the 11th November. The defect, while large in amount over the whole of the peninsula, northeast and central India, was serious in Hyderabad and Berar, which hardly received any rain during the period, whereas in normal years 2 to 5 inches are recorded.

TABLE 112.

Division.	Rainfall of period, October to December.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Burma	13·39	7·30	+6·09	+83
Eastern Bengal and Assam	3·57	6·08	−2·51	−41
Bengal	1·08	4·20	−3·12	−74
United Provinces	0·27	1·81	−1·54	−85
Bombay	0·67	3·68	−3·01	−82
Central India	0·25	1·58	−1·33	−84
Berar	0·09	2·58	−2·49	−97
Central Provinces, West	0·76	2·44	−1·68	−69
" " East	0·61	2·72	−2·11	−78
Hyderabad	0·10	4·12	−4·02	−98
Mysore	2·74	8·65	−5·91	−68
Madras	9·21	14·54	−5·33	−37

The period was unusually dry also in north-west India, excepting Kashmir and the North-West Frontier Province where more than the average amount of precipitation was caused by feeble depressions of the cold weather type in October and December.

TABLE 113.

Division.	Rainfall of period October to December.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Punjab	0·26	0·80	−0·54	−67
Kashmir	3·53	2·52	+1·01	+40
North-West Frontier Province	1·34	1·24	+0·10	+8
Baluchistan	0·67	1·52	−0·85	−56
Sind	0	0·22	−0·22	−100
Rajputana	0·06	0·68	−0·62	−91

The dryness was almost as marked in Persia and Arabia as in India and in a modified degree extended southwards to Zanzibar and the Seychelles. In Afghanistan on the other hand the conditions were much more disturbed than usual in December.

At Mauritius the tendency to excessive precipitation shown in the first three seasons was traceable also in the records of the period under review.

TABLE 114.

Station.	Rainfall of period, October to December.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Seychelles	21·44	31·18	−9·74	−31
Zanzibar	14·48	17·03	−2·55	−15
Mauritius	9·04	8·29	+0·75	+9
Aden	0·08	0·61	−0·53	−87
Perim	0·06	0·19	−0·13	−68
Baghdad	0·48	2·60	−2·12	−82
Ispahan	1·03	1·67	−0·64	−38
Bushire	1·80	5·11	−3·31	−65
Meshed	0·34	1·63	−1·29	−79
Jask	0·46	1·31	−0·85	−65
Kabul	1·84	1·33	+0·51	+38

The year.—On the mean of the whole of India, excluding hill stations, 1908 was a year of average rainfall. but its character was by no means uniform. Thus of the four seasons the cold weather and the southwest monsoon were on the whole more rainy than usual, while the other two periods were markedly dry. In respect of the monsoon rainfall the character was opposite to that prevailing in the previous seven years all of which were in defect.

TABLE 115.

Period.	Rainfall of India (when the sizes of areas are taken into account) in 1908.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Cold weather	1·05	0·90	+0·15	+17
Hot "	3·37	4·50	−1·13	−25
South-west monsoon	37·44	35·35	+2·09	+6
Retreating south-west monsoon	2·99	4·44	−1·45	−33
Whole year	44·85	45·19	−0·34	−1

The distribution in space was no less abnormal than that in time, the precipitation having been more or less in excess in Burma, northwest and central India, and Hyderabad, and below normal in Eastern Bengal and Assam, Bengal, the United Provinces, Bombay, Mysore and Madras. Expressed

as a percentage of the normal rainfall the excess was on the whole most conspicuous in Sind, and the defect in Mysore.

The most striking feature of the meteorology of the year was however the unprecedentedly heavy rainfall in the dry zone of northwest India—a result almost entirely of strong determination of the monsoon currents in July and August.

TABLE 116.

Division.	Annual rainfall.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Burma	82·13	78·59	+3·54	+5
Eastern Bengal and Assam	77·83	92·51	—14·68	—16
Bengal	44·45	54·53	—10·08	—18
United Provinces	33·37	39·52	—6·15	—16
Punjab	29·38	20·83	+8·55	+41
North-West Frontier Province	27·61	16·36	+11·25	+69
Sind	12·18	6·63	+5·55	+84
Rajputana	33·96	21·57	+12·39	+57
Bombay	44·40	47·82	—3·42	—7
Central India	38·70	38·38	+0·32	+1
Central Provinces	44·88	41·41	+3·47	+8
Hyderabad	33·56	32·49	+1·07	+3
Mysore	27·48	34·61	—7·13	—21
Madras	40·06	44·11	—4·05	—9
Mean of India when the size of the above areas is taken into account.	44·85	45·19	—0·34	—1

In the Indian Ocean the year's precipitation was well above normal at Mauritius and in defect at the Seychelles and Zanzibar. The excess at Mauritius was remarkably persistent, being shown in nine of the twelve months.

TABLE 117.

Station.	Annual rainfall.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Seychelles	82·07	101·37	—19·30	—19
Zanzibar	54·07	60·39	—6·32	—10
Mauritius	62·45	49·08	+13·37	+27

HEM RAJ.

Table A.—Abstract of observations taken at 10 hrs. and 16 hrs. at 37 Stations in India, etc., in the year 1908.

Table

Abstract of observations taken 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.									
			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.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
	I.—Burma.																	
2	Rangoon	36	29·882	29·765	·117	29·825	—·008	29·798	88·9	73·4	15·5	101·9	60·3	41·6	82·0	85·6	79·2	0
	III.—Bengal.																	
6	Calcutta	21	·839	·724	·115	·780	—·008	·746	88·4	70·4	18·0	106·9	47·4	59·5	81·9	85·9	78·9	+0·9
	IV.—United Provinces of Agra and Oudh.																	
10	Allahabad	309	·526	·408	·118	·462	—·014	·721	91·8	66·7	25·1	115·5	38·8	76·7	92·9	89·9	78·1	+0·8
11	Dehra Dun	2,233	27·608	27·523	·085	27·559	—·013	·750	83·3	60·8	22·5	108·2	37·3	70·9	75·0	79·1	70·9	+0·8
	V.—Punjab.																	
13	Lahore	702	29·115	29·025	·090	29·062	—·009	·734	88·7	62·8	25·9	116·7	36·3	80·4	78·8	86·6	74·7	—0·1
	VIII.—Rajputana.																	
19	Jaipur	1,431	28·432	28·332	·100	28·375	—·002	·758	90·4	65·1	25·3	112·8	37·0	75·8	82·0	88·0	76·7	—0·5
	Udaipur	? 1,925	27·961	27·860	·101	27·907	...	·770	87·8	63·6	24·2	106·6	36·4	70·2	80·5	85·7	75·4	...
	IX.—Bombay.																	
26	Bombay	37	29·883	29·783	·100	29·830	+·003	·807	86·0	74·7	11·3	100·1	60·4	39·7	80·4	82·4	79·3	+0·1
	XI.—Central Provinces.																	
24	Nagpur	1,017	28·851	28·722	·129	28·786	+·006	·755	92·0	67·9	24·1	113·2	44·1	69·1	82·5	89·5	79·0	—0·6
	XII.—Hyderabad.																	
29	Hyderabad	1,690	·204	·090	·114	·148	+·001	·767	90·6	68·8	21·8	109·3	49·0	60·3	82·5	87·5	78·7	+0·2
	XIII.—Mysore.																	
30	Bangalore	3,021	26·946	26·835	·111	26·894	—·007	·786	85·3	63·8	21·5	100·0	51·9	48·1	76·7	82·4	73·3	+0·4
	Mysore	2,518	27·444	27·323	·121	27·387	—·004	·806	86·3	65·4	20·9	98·3	54·1	44·2	78·1	83·8	74·5	—0·2
	XIV.—Madras.																	
32	Periyakulam	944	28·962	28·832	·130	28·897	...	·770	91·7	69·8	21·9	102·0	57·1	44·9	83·4	87·5	80·8	...
	Pudukkottai	318	29·606	29·471	·135	29·539	...	·785	93·6	74·2	19·4	108·3	63·1	45·2	85·3	90·6	84·0	...
	Madras	22	·890	·775	·115	·837	—·006	·790	91·5	74·7	16·8	109·6	60·8	48·8	85·9	86·2	82·0	+0·2
	Station in the Bay.																	
1	Port Blair	58	·863	·768	·096	·817	—·003	·805	85·9	76·3	9·6	94·6	67·8	26·8	82·6	83·8	80·0	—1·1

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

A.

37 stations in India, etc., in the year 1908.

Temperature Wet-bulb.				Vapour tension in inches of mercury.					Humidity.					Cloud.				Rainfall.		Station.	Number of sub-division.
Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of three previous columns.	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 rainfall for the year.	Heaviest rainfall during the year.		
20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
																				I.—Burma.	
71·6	75·2	75·5	74·1	·761	·793	·753	·785	−·010	91	72	64	81	−1	5·4	5·8	5·6	+0·3	109·52	4·23	Rangoon	2
																				III.—Bengal.	
67·9	73·1	73·4	71·4	·686	·726	·681	·713	−·031	88	65	55	72	−5	3·9	4·3	4·1	−0·4	80·77	11·95	Calcutta	6
																				IV.—United Provinces of Agra and Oudh.	
60·6	66·9	67·8	65·1	·498	·482	·416	·476	−·091	71	43	32	52	−9	2·8	3·1	3·0	−0·5	33·92	4·44	Allahabad	10
55·2	62·3	63·5	60·3	·401	·432	·419	·426	−·041	70	49	43	57	−7	3·1	3·8	3·5	−0·5	75·56	9·43	Dehra Dun	11
																				V.—Punjab.	
58·3	66·3	68·8	64·4	·477	·520	·582	·509	+·018	77	52	40	59	+2	2·3	2·6	2·5	−0·4	33·39	4·20	Lahore	13
																				VIII.—Rajputana.	
57·3	65·1	66·5	63·0	·419	·442	·406	·434	−·031	62	40	32	49	−4	2·6	3·4	3·0	−0·7	33·55	3·10	Jaipur	19
58·3	66·2	68·6	64·4	·465	·499	·515	·493	...	72	46	42	54	...	2·6	3·1	2·9	...	24·38	2·46	Udaipur	
																				IX.—Bombay.	
70·7	3·6	75·0	73·1	·706	·756	·780	·765	−·026	81	71	70	77	−2	3·7	3·6	3·7	−0·1	53·54	5·09	Bombay	26
																				XI.—Central Provinces.	
60·0	67·1	68·8	65·3	·454	·489	·467	·476	−·056	64	45	37	51	−4	3·3	4·2	3·8	−0·7	50·03	5·11	Nagpur	24
																				XII.—Hyderabad.	
62·2	67·5	68·2	66·0	·495	·497	·458	·491	−·089	70	47	38	54	−7	4·5	5·3	4·9	+0·7	37·30	6·03	Hyderabad	29
																				XIII.—Mysore.	
61·1	66·6	66·7	64·8	·516	·541	·479	·522	−·020	86	60	45	66	−2	4·5	5·1	4·8	...	25·80	2·62	Bangalore	30
62·6	67·4	67·8	65·9	·543	·513	·488	·534	−·023	86	57	44	64	−2	5·8	6·4	6·1	0	26·27	3·21	Mysore	
																				XIV.—Madras.	
65·7	70·9	71·3	69·3	·586	·597	·555	·578	...	79	53	44	58	...	3·2	5·6	4·4	...	33·48	2·61	Periyakulam	33
70·0	73·7	74·2	72·6	·689	·668	·635	·661	...	81	56	46	62	...	5·8	6·3	6·1	...	27·80	3·18	Pudukkottai	
72·5	76·8	77·2	75·5	·779	·806	·822	·819	+·010	90	66	66	76	0	4·6	4·5	4·6	−0·5	54·85	6·58	Madras	
																				Station in the Bay.	
73·5	77·0	77·2	75·9	·788	·857	·849	·840	−·053	87	77	74	82	−2	7·1	7·2	7·2	+1·3	140·78	10·17	Port Blair	1

Table

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

Number of meteorological station.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure. Mean of 10 hrs.	Mean of 16 hrs.	Mean daily range.	Mean of daily mean pressures.	Departure from normal.	Mean reduced to 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.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
	Kashmir.																	
14	Srinagar	5,204	24·893	24·806	·087	24·846	—·010	24·617	67·5	44·9	22·6	96·7	12·1	84·6	56·6	64·9	54·7	+ 1·4
	Leh	11,503	19·793	19·610	·093	19·657	—·003	19·625	54·7	30·6	24·1	81·6	— 1·1	82·7	45·4	51·2	41·0	0
	Baluchistan.																	
16	Quetta	5,502	24·638	24·564	·074	24·593	+·005	24·553	74·3	(d) 45·1	29·2	100·4	13·8	86·6	65·9	71·6	(d) 59·8	(d) + 0·1
	Hill Stations excluding Kashmir and Baluchistan.																	
	Simla	7,224	23·115	23·067	·048	23·084	+·001	23·046	61·8	50·3	11·5	83·5	25·1	58·4	57·3	58·8	55·8	+ 0·7
	Sarain	...	·161	·105	·056	·125	...	...	62·7	43·4	19·3	84·0	19·9	64·1	55·8	58·1	52·8	...
	Kalabagh (b)	...	20·141	20·110	·031	20·119	...	...	51·3	39·6	11·7	65·2	20·3	44·9	46·9	47·8	45·0	...
	Chakrata	7,022	23·295	23·246	·049	23·262	+·010	23·222	67·1	50·1	17·0	85·3	26·7	58·6	59·7	60·0	58·3	+ 1·6
	Muktesar	7,592	22·847	22·783	·064	22·808	...	22·766	65·4	49·0	16·4	85·5	27·2	58·3	58·3	61·0	56·9	...
	Katmandu	4,388	25·638	25·533	·105	25·583	+ ·017†	25·536	77·9	52·9	25·0	95·0	30·8	64·2	67·1	73·9	65·1	+ 0·6†
	Darjeeling	7,376	23·017	22·962	·055	22·986	—·004	22·941	61·0	48·0	13·0	74·1	31·8	42·3	56·5	57·7	54·3	+ 1·7
	Pachmarhi	3,528	26·439	26·353	·086	26·392	—·006	26·339	80·2	60·1	20·1	99·2	31·6	67·6	71·9	78·1	69·9	— 0·2
	Mount Abu	3,945	·044	25·973	·071	·004	—·004	25·954	74·9	61·9	13·0	91·7	37·9	53·8	70·7	72·8	68·1	— 0·7
	Chikalda	3,642	·333	26·237	·096	·261	—·016	26·225	80·5	63·1	17·4	99·7	44·6	55·1	72·9	78·1	71·6	— 0·1
	Ootacamund	7,322	23·061	22·983	·078	23·019	...	22·955	65·4	48·2	17·2	74·5	33·9	40·6	61·8	60·8	56·5	...
	Kodaikanal	7,088	22·841	·771	·070	22·806	...	·742	64·4	51·0	13·4	75·2	38·0	37·2	60·7	59·0	57·7	...
	Dodabetta	8,539?	·049	21·995	·053	·018	...	21·956	59·2	48·1	11·1	68·3	39·5	28·8	56·1	56·1	53·4	...
	Extra India.																	
	Minicoy	7	29·970	29·876	·094	29·928	...	...	...	...	...	...	...	...	...	...	...	...
	Zanzibar	72	30·000	·886	·114	·948	—·001	29·947	84·5	76·5	8·0	91·3	69·8	21·5	80·4	83·7	79·6	+ 0·4
	Diego Garcia (b) (c)	...	29·937	·867	·070	·902	...	...	84·0	76·8	7·2	87·8	72·0	15·8	80·5	81·4	80·4	...
	Seychelles	15	·980	·896	·084	·945	0†	·883	83·3	77·4	5·9	88·0	72·9	15·1	81·3	82·0	79·1	+ 1·1†
	Mauritius	181	...	...	...	·867	—·024	·995	...	...	...	89·1	53·8	35·3	...	...	73·6	+ 0·2

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

(a) Mean of 10 months. (b) Observations of 8 months. † Total rainfall from May to October. (d) Mean of 11 months.

A—*concld.*

37 stations in India, etc., in the year 1908.

Temperature, Wet-bulb.				Vapour tension in inches of mercury.					Humidity.					Cloud.				Rainfall.		Station.	Number of sub-division.
Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of three previous columns.	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 hours.	Mean of two previous columns.	Departure from normal.	Total rainfall for the year.	Heaviest rainfall during the year.		
20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
																				Kashmir.	
42·1	52·6	59·2	51·3	·271	·402	·496	·365	+·002	80	77	72	76‡	−4	4·2	5·2	4·7	+ 0·2	34·10	2·49	Srinagar	14
26·8	35·5	38·2	33·5	·133	·148	·147	·142	+·007	68	44	35	51	0	4·8	6·1	5·5	− 0·1	4·81	0·70	Leh	
																				Baluchistan.	
(a)			(a)				(a)	(a)	(a)			(a)	(a)								
42·0	49·2	50·9	48·0	·258	·304	·183	·228	−·034	74	32	25	47	−4	1·6	2·4	2·0	− 0·3	6·16	0·69	Quetta	16
																				Hill Stations excluding Kashmir and Baluchistan.	
43·3	47·7	49·1	46·7	·234	·252	·271	·253	−·030	58	50	53	55	−6	3·9	5·2	4·6	− 0·5	54·22	2·85	Simla	
...	46·5	48·2	...	...	·245	·261	...	...	...	53	52	...	...	4·2	5·3	4·8	...	57·57	5·20	Sarain	
...	41·5	42·1	...	...	·230	·236	...	...	...	70	67	...	...	4·8	6·2	5·5	...	54·08§	7·70	Kalabagh (b)	
44·4	50·1	50·9	48·5	·255	·286	·300	·281	−·016	65	53	56	60	−5	3·2	4·2	3·7	− 0·8	66·91	6·36	Chakrata	
42·2	48·3	50·7	47·1	·221	·255	·284	·254	...	59	50	52	55	...	4·1	5·0	4·6	...	34·75	2·58	Muktesar	
50·9	59·2	61·6	57·2	·386	·446	·429	·424	−·025	87	64	50	69	−5	2·7	3·6	3·2	− 1·4	51·10	3·33	Katmandu	
45·9	53·1	54·4	51·2	·307	·389	·407	·369	+·014	85	81	81	84	−2	5·9	6·7	6·3	− 0·4	90·70	4·54	Darjeeling	
53·4	60·0	61·9	58·4	·361	·398	·384	·383	−·039	66	52	43	57	−3	2·3	2·4	2·4	− 2·0	74·17	4·31	Pachmarhi	
3·4	57·8	58·9	56·7	·334	·350	·359	·350	−·016	57	47	45	52	−1	3·1	3·1	3·1	− 0·4	129·99	11·30	Mount Abu	
55·8	60·8	63·0	59·9	·382	·405	·412	·402	−·030	64	52	46	57	−3	4·1	4·4	4·3	− 0·1	61·61	3·66	Chikalda	
45·6	53·7	54·8	51·4	·288	·335	·372	·331	...	83	62	70	72	...	5·1	6·9	6·0	...	38·43	1·55	Ootacamund	
46·2	53·9	54·8	51·4	·275	·340	·391	·335	...	72	65	79	72	...	4·8	7·3	6·1	...	59·17	2·38	Kodaikanal	
44·4	49·3	50·6	48·1	·259	·284	·315	·284	...	76	65	71	71	...	5·9	7·2	6·6	...	39·46	2·75	Dodabetta	
																				Extra India.	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	4·2	4·8	4·5	...	77·16	4·36	Minicoy	
72·0	75·2	75·1	74·1	·729	·808	·759	·790	−·026	79	78	66	76	−3	6·4	4·8	5·6	+ 0·5	54·07	7·44	Zanzibar	
...	75·8	76·1	...	...	·834	·835	...	...	...	80	78	...	...	5·1	5·0	5·1	...	68·89‖	4·77	Diego Garcia (b), (c)	
71·9	75·7	75·9	74·5	·717	·823	·820	·805	−·008	76	77	74	78	−3	6·0	6·3	6·2	− 0·1†	82·07	6·96	Seychelles	
...	...	...	68·8	...	...	...	·632	+·009	...	...	...	76	+1	...	...	5·5	+ 0·1	62·45	7·65	Mauritius	

† Departures from old normals.
‡ Mean of three previous columns.

‖ Total rainfall from January to August.

(c) Observations of 9 hours and 15 hours.

Table B.—Abstract of observations taken at 8 hrs. at 243 stations in India, etc., in the year 1908.

(1) Provincial means.

(2) Data of stations.

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

Division.	Pressure departure from normal of year.	Temperature of air.								Wind.	Hygrometry.				Cloud.		Rainfall.		
		Mean maximum of year	Departure from normal of year.	Mean minimum of year.	Departure from normal of year.	Yearly mean of mean between maximum and minimum.	Departure from normal of year.	Mean daily range of temperature.	Absolute range during year.	Departure of velocity from normal.	Mean humidity of year.	Departure from normal of year.	Mean vapour tension of year.	Departure from normal of year.	Mean cloud amount of year.	Departure from normal of year.	Rainfall of year.	Normal rainfall of year.	Departure from normal of year.
																	"	"	"
Burma	—·004	88·3	—0·5	70·6	+0·7	79·4	+0·1	17·7	49·4	—0·4	84	+1	·743	+·002	4·7	—0·2	82·13	78·59	+3·54
Eastern Bengal and Assam	+·001	85·7	+0·8	67·5	—0·4	76·6	+0·2	18·2	57·1	—0·6	85	—2	·713	—·016	4·1	—0·9	77·83	92·51	—14·68
Bengal	—·003	89·0	+0·6	68·3	—0·7	78·6	—0·1	20·8	67·0	—0·1	74	—3	·656	—·032	3·5	—0·3	44·45	54·53	—10·08
United Provinces of Agra and Oudh	—·004	89·5	+1·1	65·3	—0·4	77·4	+0·4	24·3	75·9	—0·2	64	—5	·535	—·032	2·4	—0·7	33·37	39·52	—6·15
Punjab	+·004	88·4	—0·9	63·4	+0·2	75·9	—0·4	25·0	80·3	+0·3	61	—1	·485	—·014	2·4	—0·3	29·38	20·83	+8·55
North-West Frontier Province	—·004	85·9	—2·2	60·3	+0·5	72·9	—0·9	25·0	84·3	—0·5	65	+1	·485	—·001	2·6	+0·1	27·61	16·36	+11·25
Sind	+·004	91·5	—0·6	67·7	0	79·6	—0·3	23·8	74·5	—2·0	65	+3	·605	+·033	2·6	—0·1	12·18	6·63	+5·55
Rajputana	—·002	90·1	—1·1	65·6	—1·4	77·9	—1·2	24·6	74·3	—0·2	57	+1	·484	—·016	2·3	—0·9	33·96	21·57	+12·39
Bombay	+·003	88·9	—0·4	68·5	—0·6	78·7	—0·5	20·4	56·1	—0·6	66	—1	·604	—·022	3·3	—0·2	44·40	47·82	—3·42
Central India	—·004	88·8	+0·1	64·7	—0·1	76·8	0	24·1	72·0	—0·8	60	—3	·509	—·012	3·2	+0·2	38·70	38·38	+0·32
Central Provinces	+·003	90·0	—0·1	66·1	—0·9	78·0	—0·5	23·8	70·1	+0·4	55	—6	·466	—·063	3·5	0	44·88	41·41	+3·47
Hyderabad	0	91·0	+0·1	68·5	—0·4	79·8	—0·1	22·5	60·9	—0·5	60	—5	·531	—·063	3·6	+0·5	33·56	32·49	+1·07
Mysore	+·001	85·6	+0·7	64·7	—0·1	75·2	+0·3	20·9	46·3	+0·8	74	—1	·573	—·010	5·0	—0·3	27·48	34·61	—7·13
Madras	+·001	90·7	+0·1	73·6	—0·1	82·2	0	17·1	44·3	+0·7	74	—1	·736	—·024	4·7	+0·1	40·06	44·11	—4·05

Table

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

Number of sub-division.	Station.	Elevation of bar. cistern above sea-level, in feet.	Pressure, 8 hrs. in inches. Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during year.	Lowest pressure recorded during year.	Absolute range during year.	Mean monthly range of pressure.	Temperature of air. Mean of 8 hrs. temperature of year.	Mean maximum of year.	Departure from normal of year.	Mean minimum of year.	Departure from normal of year.	Yearly mean of mean between maximum and minimum.	Departure from normal of year.	Mean daily range of temperature.	Highest temperature observed during year.	Lowest temperature observed during year.	Absolute range during year.	Mean monthly absolute range.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
	I.—Burma.																				
2	Mergui	56	29·878	+·008	29·869	30·031	29·698	·333	·169	77·6	87·5	0	72·8	+1·6	80·2	+0·8	14·7	95·9	62·4	33·5	23·3
	Tavoy	19	29·920	—·004	29·871	30·131	29·730	·401	·182	75·7	87·0	—0·2	72·2	+1·1	79·9	+0·4	15·4	99·0	56·8	42·2	25·2
	Moulmein	94	29·829	+·005	29·861	30·074	29·606	·468	·201	76·7	87·7	—0·4	73·0	+0·6	80·4	+0·1	14·8	101·5	62·8	38·7	23·7
	Rangoon	36	29·870	—·008	29·843	30·125	29·636	·489	·203	76·7	88·9	—0·6	73·5	+0·7	81·2	0	15·3	102·1	60·4	41·7	24·3
	Bassein	27?	29·872	—·002	29·837	30·133	29·637	·496	·194	76·0	88·4	+0·3	72·7	+0·6	80·5	+0·5	15·7	99·7	57·9	41·8	24·1
	Diamond Island	41	29·859	—·009	29·835	30·102	29·622	·480	·190	79·9	84·5	—0·7	76·3	+1·0	80·5	+0·2	8·6	92·4	69·2	23·2	15·9
	Toungoo	164	29·743	+·006	29·852	30·026	29·496	·530	·185	76·0	89·9	—0·3	71·4	+0·8	80·8	+0·2	18·5	105·4	52·6	52·8	28·6
	Kyaukpyu (a)	...	29·825	...	29·784	30·101	29·604	·497	·206	...	...	...	...	...	...	...	...	...	...	...	...
	Akyab	20	29·855	—·017	29·818	30·162	29·568	·594	·211	74·8	84·8	—1·4	72·2	0	78·5	—0·7	12·6	95·9	57·3	38·6	21·2
3	Thayetmyo	121	29·769	0	29·833	30·090	29·515	·575	·200	76·6	91·9	+0·1	70·2	+0·6	81·1	+0·4	21·7	107·0	46·9	60·1	31·9
	Minbu	165	29·731	+·007	29·840	30·036	29·474	·562	·199	76·1	91·9	—0·4	71·9	+0·8	82·0	+0·3	20·0	108·7	50·6	58·1	31·0
	Yamethin	657	29·208	—·023	29·827	29·538	28·960	·578	·199	74·7	90·4	—1·8	70·3	+0·9	80·3	—0·5	20·1	110·3	49·5	60·8	30·8
	Mandalay	250	29·628	—·002	29·830	29·942	29·376	·566	·203	77·1	93·5	+1·1	69·6*	—0·1*	81·3	+0·4	24·5*	109·0	50·8	58·2	36·3*
	Monywa	280	29·621	...	29·840	29·967	29·362	·605	·207	75·8	92·4	...	71·8	...	82·1	...	20·5	110·8	52·6	58·2	33·3
	Lashio	2,751	27·100	—·017	27·046	27·365	26·890	·475	·193	65·4	81·0	—1·6	60·4	+0·3	70·7	—0·6	20·6	97·3	40·0	57·3	31·8
	Bhamo	381	29·508	+·009	29·855	29·864	29·232	·632	·225	69·5	86·0	—0·6	65·4	+0·2	75·7	—0·2	20·7	102·9	44·1	58·8	32·0
	Myitkyina	458	29·410	...	29·838	29·769	29·129	·640	·230	70·9	85·4	...	66·0	...	75·7	...	19·4	108·7	42·5	66·2	31·7
	II.—Eastern Bengal and Assam.																				
4	Dibrugarh	353	(b) 29·501	...	(b) 29·822	29·888	29·184	·704	(b) ·236	68·5	81·4	...	65·3	...	73·4	...	16·1	93·9	43·1	50·8	28·2
	Sibsagar	333	29·577	+·010	29·876	29·942	29·222	·720	·231	69·6	81·3	—0·6	65·4	—0·5	73·3	—0·6	15·9	98·6	42·2	51·4	27·4
	Tezpur	252	29·622	...	29·840	29·973	29·300	·678	·232	69·5	84·4	...	66·7	...	75·6	...	17·7	98·1	45·9	52·2	27·5
	Gauhati	195	29·699	...	29·815	30·055	29·331	·724	·247	70·2	86·0	...	65·5	...	75·8	...	20·5	99·5	44·6	54·9	30·8
	Dhubri	115	29·745	—·007	29·823	30·102	29·319	·783	·252	70·8	83·4	+0·5	67·8	—0·4	75·6	+0·1	15·0	100·2	45·8	54·4	25·6
	Silchar	104	29·789	0	29·843	30·124	29·421	·703	·237	72·0	86·9	+0·7	67·0	—0·5	77·0	+0·1	19·9	101·5	46·3	55·2	30·8
5	Cox's Bazar (d)	36	29·789	...	...	30·132	29·513	·619	·216	...	...	...	...	...	...	...	...	...	...	...	...
	Chittagong	87	29·788	—·004	29·825	30·121	29·420	·701	·227	74·1	85·5	+0·7	68·6	—0·9	77·1	—0·1	16·9	97·1	49·4	47·7	27·0
	Noakhali	43	29·827	...	29·818	30·160	29·441	·719	·224	74·4	84·3	...	69·3	...	76·8	...	15·0	96·8	47·4	49·4	25·9
	Barisal	12	29·845	—·004	29·803	30·200	29·424	·776	·2[illegible]0	76·1	86·5	+0·5	69·8	—0·6	78·2	—0·1	16·7	98·8	45·1	50·7	27·4
	Comilla	36	29·832	...	29·816	30·182	29·428	·754	·228	74·1	87·5	...	68·3	...	77·9	...	19·2	102·3	45·3	57·0	30·5
	Narayanganj	26	29·836	+·003	29·811	30·195	29·396	·799	·236	74·5	87·1	+0·7	70·0	—0·5	78·6	+0·1	17·1	102·0	46·8	55·2	28·1
	Faridpur	46	29·813	...	29·810	30·174	29·345	·829	·242	73·9	86·8	...	67·8	...	77·3	...	18·9	103·8	43·4	60·4	30·2
	Sirajganj	49	29·808	...	29·807	30·181	29·275	·906	·257	72·7	86·6	...	68·1	...	77·4	...	18·5	107·8	43·8	64·0	30·2
	Mymensingh	63	29·807	+·002	29·823	30·157	29·335	·822	·239	73·7	86·0	+1·7	68·5	+0·1	77·3	+0·9	17·6	102·1	45·1	57·0	28·4
	Bogra	75	29·780	0	29·809	30·151	29·296	·855	·250	73·9	87·5	+1·1	67·8	—0·4	77·7	+0·4	19·8	108·2	44·2	64·0	31·4
	Rampur Boalia	70	29·780	...	29·800	30·164	29·223	·941	·265	74·7	88·3	...	68·3	...	78·3	...	20·0	109·1	40·6	68·5	33·4
	Malda	72	29·765	...	29·790	30·150	29·358	·792	·256	73·2	87·1	...	67·0	...	77·1	...	20·2	107·8	40·5	67·3	33·0
	Dinajpur	123	29·719	+·007	29·801	30·168	29·273	·835	·264	71·2	87·0	+0·9	65·8	—1·3	76·4	—0·2	21·2	106·3	37·0	69·3	33·5

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

* Mean of 10 months.

(a) Mean of 8 months.
(d) " " 9 Do.
(b) " " 11 Do.

B.

243 stations in India, etc., in the year 1908.

Wind direction. Number of winds from: Calm.	N.	N. E.	E.	S. E.	S.	S. W.	W.	N. W.	Wind velocity. Mean velocity in miles per hour.	Normal.	Departure from normal of year.	Hygrometry, 8 hrs. Mean humidity at 8 hrs. of year.	Departure from normal of year.	Mean vapour tension at 8 hrs. in inches of mercury of year.	Departure from normal in inches of mercury of year.	Cloud. Mean cloud amount at 8 hrs. of year.	Departure from normal of year.	Rainfall. Number of rainy days during year.	Normal number of rainy days during year.	Departure from normal of year.	Rainfall of year.	Normal rainfall of year.	Departure from normal of year.	Heaviest rainfall during year.	Station.
23	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
																									I.—Burma.
194	18	25	8	40	6	27	15	33	(n) 1·6	(n) 2·1	(n) −0·5	89	+4	·824	+·008	3·0	−2·3	169	154·20	+14·80	179·06	168·37	+10·69	4·50	Mergui.
366	...	...	...	...	...	...	...	...	1·1	1·5	−0·4	90	+3	·805	+·004	5·0	−0·1	166	147·30	+18·70	205·35	209·28	−3·93	3·65	Tavoy.
124	16	45	28	60	55	30	5	3	3·8	3·1	+0·7	89	+2	·819	+·019	4·7	−0·2	156	140·60	+15·40	212·25	183·92	+28·33	5·87	Moulmein.
38	59	66	14	10	83	49	24	23	4·4	4·3	+0·1	85	−3	·798	−·007	5·6	+0·6	142	123·10	+18·90	109·52	96·78	+12·74	4·23	Rangoon.
9.	17	24	21	23	51	47	55	37	4·6	4·4	+0·2	91	+3	·833	+·016	3·7	−1·2	131	128·50	+2·50	104·92	112·00	−7·08	5·05	Bassein.
17	34	73	24	16	18	86	39	59	9·1	8·7	+0·4	80	+1	·829	+·012	4·7	−0·7	127	120·44	+6·56	134·65	116·08	+18·57	6·94	Diamond Island.
77	38	29	21	90	69	14	5	23	3·6	3·3	+0·3	87	+1	·789	+·011	5·7	+0·5	124	113·60	+10·40	98·17	79·11	+19·06	3·36	Toungoo.
6	18	26	59	61	40	8	24	3	3·8	...	...	...	...	...	...	5·2	...	139	...	...	(p) 194·45	...	...	7·07	Kyaukpyu (m).
45	48	126	64	31	27	13	9	3	3·7	3·2	+0·5	91	+3	·811	+·006	5·3	+0·2	127	118·70	+8·30	200·58	189·20	+11·38	8·61	Akyab.
1	54	42	2	47	124	86	1	9	5·3	5·1	+0·2	75	−1	·708	0	4·7	+0·5	76	72·50	+3·50	43·45	36·72	+6·73	2·58	Thayetmyo.
23	10	1	2	183	31	12	11	92	5·0	8·7	−3·7	74	−1	·688	−·014	4·5	+1·1	57	50·50	+6·50	44·72	31·86	+12·86	2·65	Minbu (c).
59	37	2	...	125	102	3	...	33	4·3	5·7	−1·4	80	+2	·697	−·005	5·1	+2·4	59	61·20	−2·20	37·73	37·56	+0·22	2·63	Yamethin.
217	11	2	3	69	47	8	...	5	4·5	5·0	−0·5	72	−3	·678	−·032	2·3	−2·0	43	47·50	−4·50	30·80	32·36	−1·56	2·85	Mandalay (d).
87	61	9	20	100	32	1	1	55	3·4	...	...	77	...	·697	...	4·7	...	46	44·60	+1·40	30·25	28·40	+1·85	3·00	Monywa.
161	5	15	8	...	14	10	6	5	(e) 3·0	...	...	86	0	·562	+·001	5·6	−1·1	112	...	...	62·85	61·28	+1·57	2·70	Lashio (f).
289	6	43	7	...	...	16	3	2	1·6	2·4	−0·8	91	+4	·684	+·010	5·0	−0·1	107	99·80	+7·20	83·43	73·38	+10·05	4·60	Bhamo.
207	5	50	58	29	6	5	4	2	2·9	...	...	85	...	·665	...	5·8	...	100	...	...	63·45	74·84	−11·39	2·92	Myitkyina.
																									II.—Eastern Bengal and Assam.
357	1	2		1	...	1	...	...	(a) 0·3	...	...	91	...	·660	...	7·0	...	122	131·80	−9·80	120·54	114·99	+5·55	5·35	Dibrugarh.
226	16	71	5	7	5	24	2	8	1·6	2·4	−0·8	90	−5	·687	−·024	6·3	−0·8	116	125·00	−9·00	81·70	96·21	−14·51	7·87	Sibsagar (e).
162	2	91	53	25	3	23	4	3	3·5	...	...	89	...	·679	...	3·8	...	94	103·90	−9·90	59·40	71·66	−12·26	3·62	Tezpur.
265	26	23	11	9	14	8	5	5	1·7	...	...	89	...	·690	...	6·9	...	79	91·50	−12·50	54·74	63·39	−8·65	3·25	Gauhati.
61	12	50	175	31	14	19	3	1	6·4	5·2	+1·2	88	+1	·703	+·005	2·6	−2·3	91	92·50	−1·50	94·69	93·28	+1·41	11·25	Dhubri.
257	1	1	48	52	...	2	5	...	3·1	2·4	+0·7	86	−2	·707	−·020	3·3	−3·1	119	136·80	−17·80	98·97	124·86	−25·89	4·18	Silchar.
5	18	39	54	94	30	8	4	2	5·5	...	...	...	...	...	...	4·3	...	101	...	...	132·72	...	...	12·38	Cox's Bazar (b) (d).
94	22	59	23	124	28	4	5	7	3·2	4·9	−1·7	86	−1	·746	−·017	3·6	−1·4	94	96·41	−2·41	95·25	96·52	−1·27	9·64	Chittagong.
84	35	44	29	84	59	20	7	4	4·0	...	...	86	...	·753	...	3·7	...	101	109·36	−8·36	89·63	113·68	−24·05	5·02	Noakhali.
158	26	26	16	37	63	27	2	11	1·7	3·2	−1·5	86	0	·796	−·006	2·9	−1·9	85	97·90	−12·90	61·04	77·60	−16·56	3·23	Barisal.
200	5	...	4	79	64	12	...	2	2·7	...	...	86	...	·757	...	2·7	...	93	100·25	−7·25	81·22	90·24	−9·02	6·44	Comilla.
110	8	17	41	81	37	44	9	19	3·5	4·9	−1·4	84	−2	·754	−·024	4·5	−0·8	86	94·08	−8·08	61·70	69·60	−7·90	4·20	Narayanganj.
109	44	3	21	62	96	15	3	13	3·0	...	...	85	...	·749	...	4·1	...	80	89·40	−9·40	60·60	68·56	−7·96	10·11	Faridpur.
165	6	13	33	62	46	14	11	16	3·0	...	...	85	...	·723	...	4·8	...	62	78·66	−16·66	48·09	61·38	−13·29	3·65	Sirajganj.
155	4	6	82	74	24	8	4	8	2·1	2·7	−0·6	84	−4	·727	−·012	6·8	+2·0	96	104·22	−8·22	80·07	87·55	−7·48	6·19	Mymensingh (d).
234	17	10	75	7	7	5	4	7	2·1	3·0	−0·9	79	−5	·697	−·033	3·4	−0·6	65	81·84	−16·84	46·00	67·14	−21·14	6·25	Bogra.
283	18	8	3	16	21	15	...	...	2·5	...	...	76	...	·701	...	3·3	...	57	75·14	−18·14	31·94	57·62	−25·68	2·36	Rampur Boalia (e).
58	30	52	50	55	33	24	11	53	*4·1	...	...	83	...	·712	...	2·1	...	45	69·20	−24·20	35·86	54·18	−18·32	2·52	Malda.
88	15	51	119	29	12	17	22	13	3·5	3·6	−0·1	84	+1	·682	−·012	4·0	−0·2	55	77·09	−22·09	44·66	70·99	−26·33	6·40	Dinajpur.

(n) mean of 6 months.
(c) Wind observations 1 less.
(b) " " 4 "
(f) " " 142 "
(d) mean of 9 months.
(e) mean of 7 months.
(p) Rainfall from January to April 1908 wanting.
* Uncorrected for scale error.

Table

(2) *Abstract of observations taken at 8 hours at*

Number of sub-division.	Station.	Elevation of bar cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.							Temperature of air.											
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during year.	Lowest pressure recorded during year.	Absolute range during year.	Mean monthly range of pressure.	Mean of 8 hrs. temperature of year.	Mean maximum of year.	Departure from normal of year.	Mean minimum of year.	Departure from normal of year.	Yearly mean of mean between maximum and minimum.	Departure from normal of year.	Mean daily range of temperature.	Highest temperature observed during year.	Lowest temperature observed during year.	Absolute range during year.	Mean monthly absolute range.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
	II.—Eastern Bengal and Assam—concld.																				
5	Rangpur	123	29·741	...	29·823	30·104	29·323	781	·255	73·0	85·6	...	66·3	...	76·9	...	19·3	102·6	40·6	62·0	30·6
	Jalpaiguri	284	29·578	+·002	29·826	29·959	29·187	·7	·252	71·2	85·9	+2·2	66·8	+0·8	76·4	+1·5	19·2	99·4	44·6	54·8	29·4
	Cooch Behar	156	29·715	...	29·831	30·88	29·305	·783	·254	71·0	84·4	...	66·8	...	75·6	...	17·7	97·3	44·6	52·7	27·8
	III.—Bengal.																				
6	Saugor Island	25	29·815	—·009	29·784	30·204	29·382	·822	·241	77·0	86·7	+1·1	73·5	—0·2	80·1	+0·5	13·2	103·0	49·5	53·5	24·4
	Midnapore	149	29·688	...	29·787	30·074	29·242	·832	·235	75·4	90·5	...	69·9	...	80·2	...	20·5	111·8	46·7	65·1	32·6
	Calcutta	21	29·826	—·007	29·793	30·213	29·377	·836	·236	75·0	88·4	+1·9	70·4	—0·2	79·4	+0·9	18·1	107·1	47·2	59·9	29·7
	Jessore	33	29·822	+·001	29·803	30·204	29·305	·899	·247	75·4	87·4	—0·3	68·9	—1·0	78·2	—0·7	18·5	106·0	45·7	60·3	30·7
	Krishnagar	47	29·798	...	29·794	30·193	29·318	·875	·247	73·4	89·4	...	68·5	...	79·0	...	21·0	110·1	43·0	67·1	33·8
	Burdwan	99	29·745	—·006	29·797	30·137	29·276	·861	·245	74·5	89·7	+0·7	69·9	—0·7	79·8	0	19·9	110·9	46·3	64·6	31·8
	Bankura	313	29·514	...	29·784	29·922	29·069	·853	·244	74·8	90·1	...	69·5	...	79·8	...	20·6	112·1	46·2	65·9	33·7
	Raniganj	334	29·510	...	29·805	29·902	29·057	·845	·249	72·8	89·9	...	68·4	...	79·2	...	21·4	113·5	45·0	68·5	34·0
	Berhampore	67	29·782	—·003	29·800	30·174	29·257	·917	·266	73·6	88·9	+1·1	69·1	—0·5	79·0	+0·3	19·8	110·3	43·2	67·1	32·1
	Naya Dumka	480		...	29·805	29·742	28·897	·845	·233	74·1	88·8	...	67·6	...	78·2	...	21·2	111·9	42·5	69·4	34·5
7	Balasore	50	29·798	—·002	29·793	30·197	29·287	·910	·252	75·2	88·9	+0·3	70·3	—0·2	79·6	+0·1	18·7	107·4	47·3	60·1	30·3
	False Point	21	29·840	+·004	29·803	30·224	29·336	·888	·254	76·5	85·3	—0·6	70·5	—1·6	77·9	—1·1	14·7	97·1	45·1	52·0	25·8
	Cuttack	80	29·769	—·003	29·793	30·167	29·284	·883	·251	75·2	90·6	—0·8	71·3	—1·3	80·9	—1·1	19·3	111·4	50·7	60·7	30·7
	Puri	24	29·829	...	29·792	30·218	29·397	·821	·241	77·5	85·9	...	73·8	...	79·9	..	12·1	95·6	54·1	41·5	22·2
	Angul	455	29·390	...	29·813	29·770	28·932	·838	·246	74·3	95·3	...	68·7	...	79·5	...	21·6	112·6	46·0	66·6	33·4
	Sambalpur	436	29·366	—·002	29·809	29·748	28·955	·793	·257	75·9	90·7	—0·3	69·2	—0·9	80·0	—0·6	21·6	114·1	44·6	69·5	33·4
8	Chaibassa	733	29·097	+·005	29·799	29·490	28·674	·816	·239	71·4	90·7	+0·2	67·9	—1·0	79·3	—0·4	22·8	112·3	44·7	67·6	34·9
	Ranchi	2,128	29·711	+·005	29·814	28·036	27·359	·677	·224	71·4	85·0	+0·5	65·8	+0·6	75·4	+0·6	19·2	108·7	40·9	67·8	30·4
	Purulia	816	29·004	...	29·757	29·330	28·600	·780	·235	(b) 70·9	90·0	...	67·9	...	79·0	...	22·1	113·0	44·6	68·4	34·9
	Hazaribagh	2,007	27·823	—·004	29·797	28·172	27·488	·684	·224	74·1	84·8	+0·2	65·8	+0·2	75·3	+0·2	19·1	108·7	38·3	70·4	32·0
	Daltonganj	730	29·113	...	29·818	29·519	28·742	·777	·259	71·2	91·2	...	64·7	...	78·0	...	26·5	114·0	36·0	78·0	39·5
9	Purnea	123	29·723	—·002	29·806	30·132	29·308	·824	·263	69·1	87·7	+1·0	64·9	—1·4	76·3	—0·2	22·8	108·7	36·7	72·0	35·6
	Bhagalpur	160	29·686	...	29·801	30·098	29·273	·825	·249	75·8	89·4	...	67·2	...	78·3	...	22·2	112·7	39·8	72·9	36·0
	Monghyr	155	29·683	...	29·793	30·098	29·271	·827	·251	75·0	88·8	...	68·1	...	78·4	...	20·7	110·9	39·9	71·0	34·7
	Darbhanga	165	29·676	—·002	29·801	30·085	29·300	·785	249	71·5	88·8	+3·0	65·6	—3·1	77·2	0	23·3	108·1	35·3	72·8	36·6
	Pusa	188	29·650	...	29·784	30·067	29·273	·794	·249	72·3	90·2	...	65·3	...	77·7	...	24·9	111·2	35·7	75·5	38·7
	Muzaffarpur	178	29·667	...	29·805	30·089	29·289	·800	·255	73·6	88·8	...	65·9	...	77·3	...	22·9	109·7	36·5	73·2	36·2
	Motihari	221	29·614	...	29·801	30·006	29·237	·769	·251	69·8	89·1	...	64·2	...	76·7	...	24·9	108·7	36·3	72·4	38·4
	Chapra	181	29·647	...	29·785	30·070	29·276	·794	·237	72·5	89·7	...	66·6	...	78·1	...	23·1	111·7	40·6	71·1	36·5
	Patna	183	29·652	—·009	29·792	30·066	29·289	·777	·246	75·4	88·2	+0·5	68·6	+0·1	78·4	+0·3	19·6	109·5	41·2	68·3	33·3
	Arrah	190	29·646	...	29·794	30·062	29·280	·782	·242	73·2	89·9	...	66·8	...	78·4	...	23·2	111·9	40·7	71·2	36·7
	Buxar	239	29·584	...	29·784	30·020	29·201	·819	·249	73·9	90·6	...	68·1	...	79·4	...	22·4	113·0	41·1	71·9	36·8

N. B.—Elevations in italics indicate barometrical determinations.
NOTE.—The barometric readings are not reduced to sea-level, in the case of hill or plateau stations, the elevations of which exceed 3,200 feet.
(b) Mean of 11 months.

B—contd.

243 stations in India, etc., in the year 1908.

Wind direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Wind velocity. Mean velocity in miles per hour.	Normal.	Departure from normal of year.	Hygrometry, 8 hrs. Mean humidity at 8 hrs. of year.	Departure from normal of year.	Mean vapour tension at 8 hrs. in inches of mercury of year.	Departure from normal in inches of mercury of year.	Cloud. Mean cloud amount at 8 hrs. of year.	Departure from normal of year.	Rainfall. Number of rainy days during year.	Normal number of rainy days during year.	Departure from normal of year.	Rainfall of year.	Normal rainfall of year.	Departure from normal of year.	Heaviest rainfall during year.	Station.
23	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
																									II.—Eastern Bengal and Assam.
145	3	43	50	59	21	15	22	8	1·7	...	...	80	...	·693	...	2·3	...	60	81·61	—21·61	54·15	84·02	—29·87	5·63	Rangpur.
221	9	38	27	52	6	1	1	10	1·6	...	...	82	—4	·670	—·016	4·3	+0·5	85	99·26	—14·26	86·24	123·20	—36·96	4·55	Jalpaiguri (c).
217	1	26	74	39	3	2	4	...	1·6	...	...	85	...	·681	..	4·5	...	100	100·59	—0·59	126·46	128·63	—2·17	7·81	Cooch Behar.
																									III—Bengal.
2	83	49	20	18	86	70	15	17	13·4	11·7	+1·7	85	—1	·810	—·023	4·8	—0·9	70	81·96	—11·96	47·71	72·23	—24·52	5·27	Saugor Island (d).
28	120	30	5	24	130	15	2	14	3·4	...	...	71	...	·662	...	3·3	...	73	78·22	—0·22	58·27	61·26	—2·99	5·08	Midnapore.
45	29	21	39	45	38	82	9	58	4·9	4·4	+0·5	82	—1	·761	—·007	4·5	+0·3	88	85·54	+2·46	80·77	59·55	+21·22	11·95	Calcutta.
227	9	4	11	54	37	11	4	8	1·1	3·0	—1·9	81	—5	·756	—·035	4·4	—0·3	83	88·45	—5·45	55·16	64·02	—8·86	7·30	Jessore (c).
176	8	6	35	41	50	16	17	17	2·6	...	...	84	...	·725	...	3·6	...	73	74·20	—1·20	54·51	55·12	—0·61	4·85	Krishnagar.
116	47	16	28	15	35	47	30	32	2·6	3·1	—0·5	77	+1	·702	—·004	4·5	0	71	77·88	—6·88	65·47	57·06	+8·41	7·45	Burdwan.
258	5	2	14	26	17	10	27	7	2·2	...	...	69	...	·629	...	2·4	...	70	77·37	—7·37	53·36	56·43	—3·07	4·63	Bankura.
168	9	8	33	35	6	14	38	55	2·1	...	...	76	...	·659	...	3·6	...	68	72·95	—4·95	46·39	56·13	—9·74	2·57	Raniganj.
92	23	9	57	40	61	50	11	23	3·5	3·2	+0·3	77	—8	·677	—·066	4·5	—0·2	65	77·22	—12·22	51·54	55·13	—3·59	6·08	Berhampore.
273	7	5	36	19	12	2	6	6	(b) 2·2	...	...	68	...	·614	...	2·6	...	69	79·60	—10·60	47·00	58·65	—11·65	3·93	Naya Dumka.
39	56	23	7	4	36	109	16	76	3·3	4·8	—1·5	76	—7	·608	—·078	4·1	—0·8	62	81·12	—19·12	45·26	64·68	—19·42	3·35	Balasore.
46	37	8	5	7	33	101	52	77	7·9	9·3	—1·4	83	—2	·787	—·039	5·4	+0·2	65	73·74	—8·74	54·92	65·69	—10·77	3·68	False Point.
165	7	18	21	10	29	61	45	12	2·6	2·8	—0·2	80	+2	·737	—·002	4·0	—0·3	73	75·61	—2·61	67·90	59·70	+8·20	8·06	Cuttack.
25	129	19	2	2	25	137	12	14	12·3	...	...	81	...	·799	...	4·3	...	58	62·68	—4·68	53·98	58·14	—4·16	5·30	Puri (c).
25	25	21	20	42	11	8	59	155	6·1	...	...	75	...	·694	...	3·5	...	73	...	...	47·44	...	...	4·20	Angul.
1	34	56	40	51	35	106	25	18	4·5	3·6	+0·9	67	—4	·629	—·030	4·1	+0·2	79	72·00	+7·00	78·10	67·39	+10·71	3·82	Sambalpur.
76	4	16	21	16	25	150	52	6	3·1	1·8	+1·3	74	0	601	—·057	3·6	0	74	75·30	—1·30	49·64	51·29	—1·65	3·52	Chaibassa.
50	24	13	25	15	33	42	79	85	6·9	6·3	+0·6	61	—6	·483	—·055	3·7	+0·2	76	81·49	—5·49	55·29	55·79	—0·50	2·80	Ranchi.
42	14	28	28	21	21	24	126	42	3·6	...	...	(b) 79	...	(b) ·640	...	3·6	...	74	75·91	—1·91	52·59	52·71	—0·12	3·60	Purulia (a).
35	25	11	24	22	58	66	59	66	6·7	7·3	—0·6	59	—6	·495	—·026	3·5	—0·8	63	75·70	—12·70	47·35	53·39	—6·04	4·53	Hazaribagh.
267	11	5	42	11	7	12	6	5	3·6	...	...	71	...	·572	...	3·0	...	57	62·52	—5·52	36·91	44·53	—7·62	3·05	Daltonganj.
214	...	65	48	3	...	14	6	15	2·3	3·1	—0·8	87	+3	·664	—·025	3·4	—0·2	44	70·51	—26·51	27·23	64·88	—37·66	2·75	Purnea (c).
167	1	45	48	23	21	29	38	4	3·0	...	...	67	...	·643	...	3·2	...	38	60·81	—22·81	18·13	49·36	—31·23	1·63	Bhagalpur.
30	4	12	112	46	4	45	91	22	6·1	...	...	75	...	·693	...	3·3	...	44	...	...	24·58	...	...	2·26	Monghyr.
143	3	23	137	7	5	9	34	5	3·1	4·0	—0·9	80	+1	·662	—·019	2·9	0	38	58·35	—20·35	33·10	51·07	—17·97	3·83	Darbhanga.
140	23	27	120	12	11	6	24	3	(h) 1·6	...	...	74	...	·636	...	2·7	...	35	...	...	21·97	...	...	2·74	Pusa.
125	1	12	84	73	2	13	28	25	4·2*	...	...	72	...	·624	...	1·7	...	38	55·97	—17·97	23·01	45·63	—22·62	2·66	Muzaffarpur (f).
137	2	59	95	10	9	15	27	12	3·5	...	...	81	...	·635	...	3·5	...	35	55·74	—20·74	21·43	51·66	—30·23	2·66	Motihari.
94	10	66	49	30	23	55	19	20	2·6	...	...	75	...	·644	...	2·6	...	28	52·29	—24·29	19·66	40·89	—21·23	2·29	Chapra.
25	5	12	91	52	54	78	39	9	5·8	3·7	+2·1	67	—5	·632	—·021	2·6	—1·0	35	55·35	—20·35	26·00	48·04	—22·04	11·16	Patna (c).
115	4	59	25	35	16	60	44	8	2·5	...	...	69	...	·605	...	2·5	...	40	55·93	—15·93	30·73	46·04	—15·32	6·17	Arrah.
35	4	14	121	20	19	90	56	7	5·2	...	...	65	...	·574	...	2·8	...	40	54·74	—14·74	34·25	41·55	—7·30	4·37	Buxar.

* Uncorrected for scale error.
(b) mean of 11 months.
(c) wind observations 1 less.
(d) " " 6 "
(e) " " 20 "
(h) Mean of 3 months.

Table

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

Number of sub-division.	Station.	Elevation of bar. cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.							Temperature of air.											
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during year.	Lowest pressure recorded during year.	Absolute range during year.	Mean monthly range of pressure.	Mean of 8 hrs. temperature of year.	Mean maximum of year.	Departure from normal of year.	Mean minimum of year.	Departure from normal of year.	Yearly mean of mean between maximum and minimum.	Departure from normal of year.	Mean daily range of temperature.	Highest temperature observed during year.	Lowest temperature observed during year.	Absolute range during year.	Mean monthly absolute range.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
	III.—Bengal—*concld.*																				
9	Dehri	351	29·470	...	29·783	29·887	29·123	·764	·245	74·7	91·1	...	69·6	...	80·4	...	21·5	114·3	43·0	71·3	34·8
	Gaya	375	29·449	—·014	29·786	29·866	29·102	·764	·246	74·4	90·7	+0·7	68·6	—0·2	79·7	+0·3	22·1	113·9	42·2	71·7	36·7
	IV.—United Provinces of Agra and Oudh.																				
10	Gorakhpur	257	29·567	—·002	29·787	29·980	29·179	·801	·250	73·6	89·6	+1·6	65·9	—1·4	77·8	+0·1	23·6	112·6	37·0	75·6	38·5
	Benares	267	29·561	—·004	29·783	29·973	29·175	·798	·253	74·7	90·9	+1·3	65·9	—1·1	78·4	+0·1	25·0	113·6	39·1	74·5	38·9
	Allahabad	309	29·510	—·013	29·780	29·923	29·121	·802	·267	74·1	91·8	+1·6	66·7	—0·2	79·3	+0·7	25·2	115·6	39·0	76·6	39·0
	Cawnpore	416	29·403	—·001	29·788	29·818	29·008	·810	·276	72·9	91·8	+1·8	65·6	—0·8	78·7	+0·5	26·2	115·9	37·2	78·7	40·3
	Lucknow	368	29·461	+·006	29·798	29·866	29·051	·815	·271	72·3	90·8	+1·1	65·3	—0·3	78·1	+0·4	25·5	115·0	37·6	77·4	39·9
	Bahraich	401	29·416	—·002	29·788	29·809	29·015	·794	·262	72·7	90·4	+2·2	66·0	+0·3	78·3	+1·3	24·3	113·1	38·0	75·1	39·2
11	Jhansi	824	29·018	—·021	29·802	29·417	28·624	·793	·288	77·8	91·6	+0·4	70·4	+1·4	81·1	+0·9	21·2	116·3	41·1	75·2	36·7
	Agra	556	29·263	—·009	29·798	29·674	28·866	·808	·305	72·7	89·8	—1·0	67·5	—0·2	78·6	—0·6	22·3	114·5	38·0	76·5	37·3
	Mainpuri	516	(d) 29·319	(d) +·001	(d) 29·810	29·710	28·904	·806	(d) ·293	* 70·5	* 89·3	* +1·9	(a) 60·9	(a) +0·5	(a) 74·6	(a) +1·4	(a) 25·9	116·3	38·3	78·0	(a) 44·8
	Bareilly	568	29·236	—·008	29·784	29·637	28·854	·773	·270	70·8	88·8	+1·3	64·5	—0·3	76·7	+0·5	24·4	113·8	37·5	76·3	38·1
	Meerut	738	29·066	—·008	29·789	29·488	28·689	·799	·292	69·9	88·7	+0·9	63·1	—0·6	75·8	+0·2	25·6	113·1	38·8	74·3	39·9
	Roorkee	899	28·915	+·005	29·808	29·305	28·544	·761	·291	68·5	86·9	—0·2	61·7	—0·9	74·4	—0·6	25·2	114·5	34·4	80·1	39·9
	Dehra Dun	2,233	27·590	—·006	29·816	27·919	27·255	·664	·273	66·9	83·3	+2·2	60·8	—0·2	72·1	+1·0	22·5	108·0	37·5	70·5	37·6
	V.—Punjab.																				
12	Delhi	718	29·103	+·005	29·803	29·499	28·731	·768	·297	72·3	89·5	+0·4	68·0	+0·6	78·8	+0·5	21·4	115·2	37·2	78·0	38·2
	Sirsa	662	(b) 29·199	(b) +·006	(b) 29·831	29·588	28·785	·803	(b) ·334	70·9	90·3	—1·6	63·4	—0·7	76·8	—1·1	26·9	115·3	34·6	80·7	45·7
	Patiala	818	29·001	...	29·807	29·424	28·612	·812	·322	71·3	87·9	...	62·6	...	75·3	...	25·3	112·8	30·6	82·2	42·8
	Ambala	8 92	28·913	+·007	29·797	29·310	28·535	·775	·299	69·1	88·0	+0·1	62·5	—0·6	75·1	—0·3	25·6	112·5	35·0	77·5	41·0
	Ludhiana	812	28·996	+·004	29·801	29·425	28·577	·848	·340	69·7	87·9	—0·5	64·2	+0·5	76·1	0	23·6	115·5	38·5	77·0	39·8
	Lahore	702	29·102	0	29·797	29·538	28·656	·882	·357	68·6	88·8	—1·9	62·6	+1·6	75·7	—0·1	26·2	116·9	36·2	80·7	43·7
	Sialkot	830	28·978	+·008	29·804	29·390	28·536	·854	·363	69·9	87·1	—0·6	62·3	—0·3	74·7	—0·5	24·8	115·3	35·1	80·1	42·8
	Rawalpindi	1,674	28·142	—·002	29·839	28·526	27·694	·832	·363	65·9	83·2	—1·1	58·4	+0·7	70·8	—0·2	24·8	114·9	31·9	83·0	41·3
13	Khushab	612	29·211	+·017	29·810	29·651	28·717	·934	·380	72·4	88·8	—0·8	64·5	+0·8	76·7	0	24·3	116·9	34·9	82·0	44·4
	Montgomery	558	29·245	—·001	29·784	29·697	28·786	·911	·372	72·7	90·2	—2·1	63·1	—1·3	76·7	—1·7	27·1	115·4	33·6	81·8	45·6
	Multan	420	29·396	+·001	29·792	29·857	28·895	·962	·381	72·4	90·8	—1·2	66·1	+0·8	78·5	—0·1	24·6	117·8	37·5	80·3	42·1
	VI.—North-West Frontier Province.																				
15	Peshawar	1,110	28·722	—·011	29·849	29·153	28·228	·925	·361	67·2	83·7	—2·0	60·0	+0·8	71·9	—0·6	23·7	118·2	32·9	85·3	51·3
	Dera Ismail Khan	590	29·243	+·003	29·803	29·702	28·694	1·008	·397	69·7	88·0	—2·4	(b) 60·6	(b) +0·1	(b) 73·8	(b) —1·1	(b) 26·3	116·8	33·6	83·2	(b) 42·7
	VII.—Sind.																				
17	Jacobabad	186	29·630	—·001	29·783	30·094	29·146	·948	·350	73·6	95·2	—0·5	65·9	+0·7	80·5	+0·1	29·3	117·1	33·3	83·8	48·6
	Hyderabad	96	29·741	—·001	29·793	30·171	29·300	·871	·320	73·9	93·5	0	67·3	—1·0	80·4	—0·5	26·1	118·1	40·5	77·6	43·8
	Kurrachee	13	29·868	+·024	29·840	30·245	29·417	·828	·294	74·4	85·8	+0·2	69·9	—0·2	77·9	0	15·9	106·9	44·7	62·2	31·7

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

(b) mean of 11 months. * mean of 10 months.
(d) mean of 9 months.
(a) mean of 8 months.

B—*contd.*

243 stations in India, etc., in the year 1908.

Wind direction. Number of winds from: Calm.	N.	N. E.	E.	S. E.	S.	S. W.	W.	N. W.	Wind velocity. Mean velocity in miles per hour.	Normal.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs. of year.	Departure from normal of year.	Mean vapour tension at 8 hrs. in inches of mercury of year.	Departure from normal in inches of mercury of year.	Cloud. Mean cloud amount at 8 hrs. of year.	Departure from normal of year.	Rainfall. Number of rainy days during year.	Normal number of rainy days during year.	Departure from normal of year.	Rainfall of year.	Normal rainfall of year.	Departure from normal of year.	Heaviest rainfall during year.	Station.
23	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
																									III.—Bengal—*concld.*
20	2	10	56	32	30	164	43	9	5·0	...	...	64	...	·569	...	4·8	...	34	55·34	—21·34	22·35	43·20	—20·85	2·26	Dehri.
105	12	59	15	26	34	39	70	6	3·3	3·7	—0·4	68	—3	·616	—·021	2·9	—0·8	43	57·38	—14·38	23·15	47·00	—23·85	3·17	Gaya.
																									IV.—United Provinces of Agra and Oudh.
229	5	50	14	15	...	12	18	23	(b) 1·5	2·3	—0·8	69	—6	·610	—·032	2·4	—0·3	42	54·10	—12·10	29·11	52·01	—22·90	4·53	Gorakhpur.
121	7	13	62	19	11	79	42	12	2·9	3·7	—0·8	66	—8	·593	—·032	2·6	—0·8	47	50·90	—3·90	28·49	40·99	—12·50	2·84	Benares.
77	5	28	52	12	10	34	127	21	3·8	5·1	—1·3	58	—9	·509	—·084	3·0	—0·5	48	45·30	+2·70	33·92	40·73	—6·81	4·44	Allahabad.
135	13	14	48	12	7	28	90	19	2·6	3·7	—1·1	61	—6	·518	—·070	1·2	—1·7	41	43·00	—2·00	33·95	35·94	—1·99	3·67	Cawnpore.
198	4	12	44	35	8	22	22	21	2·0	3·0	—1·0	63	—7	·535	—·057	2·3	—1·0	44	51·00	—7·00	36·43	38·89	—2·46	6·15	Lucknow.
135	10	5	73	63	3	13	15	47	2·9	3·1	—0·2	(i) 71	—4	(b) ·624	—·017	2·6	—0·2	34	50·40	—16·40	26·18	49·91	—22·73	6·58	Bahraich (d).
102	12	15	6	19	13	85	49	65	5·1	3·3	+1·8	51	—4	·499	—·014	1·9	—0·5	55	43·90	+11·10	46·81	38·51	+8·30	3·75	Jhansi.
78	1	40	6	45	2	119	4	71	4·6	4·5	+0·1	60	—1	·525	—·008	2·7	—0·1	41	35·30	+5·70	35·15	28·42	+6·73	3·87	Agra.
41	16	15	39	26	18	31	57	38	*2·9	*1·8	*+1·1	*63	—3	*·525	—·029	*2·2	—1·1	33	38·10	—5·10	25·15	31·76	—6·61	2·70	Mainpuri. (i).
222	8	14	51	5	1	6	42	17	2·6	2·8	—0·2	69	—3	·561	—·012	2·8	—0·2	45	47·17	—2·17	40·18	47·86	—7·68	8·60	Bareilly.
231	6	4	19	19	...	21	53	13	1·2	2·1	—0·9	66	0	·516	+·009	2·0	—1·0	45	37·00	+8·00	36·91	32·07	+4·84	3·56	Meerut.
232	...	5	3	75	2	2	...	46	2·8	2·5	+0·3	68	—3	·492	—·031	2·2	—0·9	42	49·10	—7·10	38·49	43·22	—4·73	6·49	Roorkee. (e).
364	...	...	1	...	1	...	...	...	1·4	1·5	—0·1	64	—6	·445	—·033	3·3	—0·7	67	80·90	—13·90	75·56	89·19	—13·63	9·43	Dehra Dun.
																									V—Punjab.
26	9	9	25	53	8	32	168	36	4·8	3·5	+1·3	59	+1	·489	—·001	2·6	—0·8	42	37·10	+4·90	40·27	28·09	+12·18	5·55	Delhi.
123	24	18	45	22	21	53	43	17	3·6	4·8	—1·2	61	+2	·489	+·002	2·4	—0·9	36	23·40	+12·60	22·56	14·43	+8·13	2·20	Sirsa.
48	51	11	50	81	16	1	31	76	(b) 5·4	...	...	58	...	·517	...	2·2	...	32	...	...	19·87	...	...	2·17	Patiala. (c).
156	2	2	15	84	3	2	7	95	3·3	2·0	+1·3	66	—8	·504	—·053	2·8	+0·1	37	36·90	+0·10	20·84	32·96	—12·12	5·20	Ambala.
163	4	41	3	71	1	14	14	55	2·0	1·9	+0·1	62	—4	·477	—·039	2·5	—1·1	40	32·70	+7·30	27·23	28·67	—1·41	3·95	Ludhiana.
142	13	13	35	58	24	6	32	33	2·7	2·4	+0·3	69	+4	·517	+·014	2·5	—0·2	38	22·90	+15·10	33·39	20·10	+13·29	4·20	Lahore.
140	44	50	57	23	13	3	16	20	2·0	2·0	0	64	—2	·485	—·025	2·3	—0·2	51	40·70	+10·30	43·96	31·75	+12·21	4·62	Sialkot.
242	38	29	4	6	4	8	16	19	2·9	2·1	+0·8	65	—3	·428	—·032	3·8	+0·6	61	47·30	+13·70	55·08	33·98	+21·08	5·80	Rawalpindi.
81	25	119	48	12	19	30	21	11	5·8	5·0	+0·8	58	+3	·490	+·042	2·0	—0·2	32	18·00	+14·00	26·95	14·12	+12·83	2·70	Khushab.
60	24	39	56	56	48	38	19	26	5·9	5·9	0	51	—4	·428	—·047	1·9	—0·3	28	16·10	+11·90	26·69	10·25	+16·44	5·86	Montgomery.
208	49	38	2	29	7	25	...	8	1·4	2·1	—0·7	61	+1	·516	+·001	1·5	—0·2	17	12·40	+4·60	10·09	7·30	+2·79	3·12	Multan.
																									VI.—North-West Frontier Province.
236	26	10	10	10	11	14	29	20	1·9	3·3	—1·4	64	+1	·455	0	3·3	+0·3	41	23·80	+17·20	21·01	13·09	+7·92	1·91	Peshawar.
168	23	78	4	31	5	5	8	41	2·3	1·8	+0·5	65	+1	·515	—·001	1·9	—0·1	18	17·60	+0·40	18·46	8·53	+9·93	3·02	Dera Ismail Khan (f).
																									VII.—Sind.
94	59	45	8	39	30	6	2	83	4·0	3·4	+0·6	61	+6	·566	+·058	1·9	—0·1	8	8·20	—0·20	4·59	3·78	+0·81	1·28	Jacobabad.
61	42	17	2	4	43	150	15	29	7·1	11·1	—4·0	63	+5	·569	+·040	2·2	—0·5	13	9·70	+3·30	19·93	6·90	+13·03	6·20	Hyderabad (f).
29	31	64	11	...	1	29	142	59	9·9	12·6	—2·7	72	—4	·679	+·001	3·8	+0·2	7	9·30	—2·30	6·46	8·26	—1·80	2·40	Kurrachee.

* Mean of 10 months.

(b) Mean of 11 months.
(i) Wind observations 85 less.
(c) ,, ,, 1 ,,
(f) ,, ,, 3 ,,
(d) ,, ,, 2 ,,

TABLE

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

Number of sub-division.	Station.	Elevation of bar. cistern above sea level, in feet.	Pressure, 8 hrs., in inches. Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea level and to constant gravity, at 45° Lat.	Highest pressure recorded during year.	Lowest pressure recorded during year.	Absolute range during year.	Mean monthly range of pressure.	Temperature of Air. Mean of 8 hrs. temperature of year.	Mean maximum of year.	Departure from normal of year.	Mean minimum of year.	Departure from normal of year.	Yearly mean of mean maximum and minimum.	Departure from normal of year.	Mean daily range of temperature.	Highest temperature observed during year.	Lowest temperature observed during year.	Absolute range during year.	Mean monthly absolute range.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
	VIII.—Rajputana.																				
18	Bikaner	771	29·043	—·002	29·799	29·473	28·653	·820	·338	72·9	91·0	—0·9	67·7	—1·7	79·5	—1·3	23·3	114·1	38·0	76·1	41·6
	Jodhpur	782	29·076	(h) +·016	29·858	29·453	28·684	·769	·303	72·3	91·2	(h) —2·6	66·2	(h) —3·5	78·7	(h) —3·0	25·0	111·6	36·3	75·3	42·8
	Pachpadra	380	29·417	—·042	29·764	29·15	29·034	·781	·280	71·4	92·1	—2·3	62·6	—2·2	77·3	—2·3	29·5	112·5	31·6	80·9	47·5
19	Jaipur	1,431	28·416	0	29·834	28·803	28·026	·777	·302	73·3	90·4	—0·5	65·1	—0·5	77·8	—0·5	25·3	112·7	37·1	75·6	42·3
	Sambhar	1,254	28·587	+·009	29·836	28·971	28·217	·754	·305	70·3	89·7	—0·3	63·8	—1·4	76·8	—0·9	25·9	111·4	34·5	76·9	43·2
	Ajmer	1,611	28·253	+·002	29·857	28·623	27·889	·734	·298	69·8	87·6	—1·4	66·3	+2·0?	76·9	+0·3?	21·3	109·4	39·2	70·2	37·7
	Kotah	819?	29·007	—·007	29·839	29·410	28·610	·800	·301	75·6	91·3	—1·4	69·2	—1·0	80·3	—1·2	22·1	113·0	44·1	68·9	37·6
	Udaipur	1,925	27·951	(h) —·001	29·856	28·295	27·598	·697	·268	72·3	87·8	(h) —1·6	63·6	(h) —2·2	75·7	(h) —1·9	24·2	106·5	36·3	70·2	39·6
	IX.—Bombay.																				
20	Deesa	466	29·403	+·002	29·834	29·744	29·042	·702	·268	73·4	93·4	—0·4	65·4	—1·7	79·4	—1·0	28·0	111·3	40·4	70·9	43·7
	Bhuj	395	29·485	+·016	29·840	29·826	29·093	·733	·270	74·0	89·7	—1·7	67·1	—1·6	78·5	—1·7	22·6	108·6	42·0	66·6	37·7
	Jamnagar	61	29·831	...	29·837	30·145	29·443	·702	·256	75·8	85·8	...	67·7	...	76·8	...	18·0	101·9	39·6	62·3	33·1
	Dwarka	37?	29·863	...	29·847	30·178	29·448	·730	·266	76·8	83·8	...	71·9	...	77·9	...	11·8	98·3	50·7	47·6	26·5
	Rajkot	429	29·467?	+·020?	29·855?	29·770	29·092	·678	·251	74·7	92·2	—0·9	65·1	—1·0	78·7	—1·0	27·1	108·9	38·0	70·9	41·7
	Veraval	*18*	29·879	+·009	29·839	30·142	29·501	·641	·242	75·3	84·4	—0·7	70·5	—0·5	77·5	—0·6	13·9	99·2	50·3	48·9	25·9
	Bhavnagar Para.	55	29·840	—·016	29·839	30·144	29·474	·670	·248	74·8	93·4	+0·5	68·0	—2·2?	80·6	—0·8?	25·4	111·2	40·5	70·7	39·5
	Surat	39	29·851	—·002	29·838	30·133	29·496	·637	·233	75·5	90·6	—1·0	69·8	+0·4	80·2	—0·3	20·8	109·6	49·6	60·0	33·3
	Ahmedabad	163	29·725	+·007	29·840	30·044	29·375	·669	·258	74·7	93·7	—0·4	69·7	—1·1	81·8	—0·7	24·0	111·1	49·1	62·0	38·0
26	Bombay	37	29·873	—·001	29·850	30·111	29·530	·581	·210	77·4	86·0	+0·2	74·7	—0·2	80·4	0	11·3	100·0	60·5	39·5	19·4
	Ratnagiri	110	29·800	+·006	29·850	30·021	29·575	·446	·187	78·5	86·9	—0·5	72·6	—0·5	79·8	—0·5	14·4	98·3	58·9	39·4	24·0
	Goa	199	29·709	—·020?	29·848	29·925	29·503	·422	·185	77·7	83·5	—2·5	75·1	+0·6	79·3	—1·0	8·4	89·0	64·0	25·0	15·5
	Mormugao	60	29·863	+·003	29·858	30·072	29·664	·408	·176	78·1	85·5	—0·7	74·0	—1·0	79·8	—0·9	11·4	93·5	64·7	28·8	18·9
	Karwar	44	29·884	+·005	29·863	30·093	29·697	·396	·167	75·1	86·1	—0·2	(d) 71·4	(d) —0·7	(d) 79·4	(d) —0·4	(d) 15·8	93·3	59·5	33·8	(d) 24·7
27	Malegaon	1,430	28·459	+·002	29·864	28·740	28·140	·600	·226	73·8	92·5	+1·0	64·1	—1·1	78·4	—0·1	28·4	109·4	42·1	67·3	41·7
	Ahmednagar	2,154	27·764	+·012	29·882	28·017	27·485	·532	·196	73·5	89·8	+0·9	64·1	+0·6	76·9	+0·8	25·7	107·4	43·0	64·4	37·9
	Poona	1,846	28·062	0	29·885	28·310	27·772	·538	·199	71·2	89·6	—0·4	63·0	—1·8	76·0	—1·1	25·9	109·0	42·8	66·2	36·8
	Sholapur	1,520	28·303	—·006	29·858	28·561	28·050	·511	·194	75·6	92·7	—0·3	68·3	+0·3	80·5	0	24·5	109·8	48·9	60·9	34·5
	Bijapur	1,948	27·955	0	29·863	28·185	27·727	·458	·186	74·4	91·2	+1·3	67·1	—0·4	79·2	+0·5	24·1	107·2	48·2	59·0	34·2
	Belgaum	2,539	27·376	+·004	29·867	27·574	27·177	·397	·174	71·4	84·7	+0·3	63·3	—0·7	74·0	—0·2	21·4	102·3	46·6	55·7	30·7
	X.—Central India.																				
31	Neemuch	1,624	28·243	+·005	29·855	28·598	27·884	·714	·267	71·6	88·2	—0·7	63·6	—0·9	76·0	—0·8	24·6	108·0	37·8	70·2	39·8
	Indore	1,823	28·069?	+·026?	29·871?	28·372	27·751	·621	·242	72·6	88·1	0	63·2	—0·5	75·6	—0·2	24·9	109·6	39·1	70·5	38·0
32	Nowgong	754	29·078	—·005	29·812	29·485	28·708	·777	·284	72·2	89·6	—0·1	65·4	—0·2	77·5	—0·1	24·1	114·0	39·0	75·0	38·4
	Sutna	1,040	28·777	—·013	29·799	29·167	28·420	·747	·260	73·3	89·4	+1·3	66·7	+1·1	78·0	+1·2	22·7	112·0	39·7	72·3	37·3
	XI.—Central Provinces.																				
33	Buldana	2,132	27·769	...	29·858	28·035	27·472	·563	·212	74·7	87·5	...	67·6	...	77·6	...	19·9	106·1	50·4	55·7	31·5
	Akola	980	28·944	+·002	29·844	29·271	28·630	·641	·233	74·4	93·1	+0·2	66·3	—0·9	79·7	—0·4	26·8	112·7	41·6	71·1	40·1
	Amraoti	1,215	28·655	+·008	29·838	28·975	28·311	·664	·235	75·6	91·7	—0·4	68·5	—0·4	80·1	—0·4	23·2	111·8	48·3	63·5	35·1

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

(*d*) mean of 9 months.
(*h*) mean of 3 months.

B.—*contd.*

243 stations in India, etc., in the year 1908.

Wind direction. Number of winds from: Calm.	N.	N. E.	E.	S. E.	S.	S. W.	W.	N. W.	Wind velocity. Mean velocity in miles per hour.	Normal.	Departure from normal of year.	Hygrometry, 8 hrs. Mean humidity at 8 hrs. of year.	Departure from normal of year.	Mean vapour tension at 8 hrs. in inches of mercury of year.	Departure from normal in inches of mercury of year.	Cloud. Mean cloud amount at 8 hrs. of year.	Departure from normal of year.	Rainfall. Number of rainy days during year.	Normal number of rainy days during year.	Departure from normal of year.	Rainfall of year.	Normal rainfall of year.	Departure from normal of year.	Heaviest rainfall during year.	Station.
23	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
																									VIII-Rajputana.
43	9	17	18	37	59	106	63	14	6·1	5·9	+0·2	54	+1	·474	—·025	2·2	—0·4	32	18·80	+13·20	18·02	11·29	+6·73	2·15	Bikaner.
64	36	39	14	15	35	107	38	18	4·7	...	...	53	+5	·465	...	3·2	...	30	20·30	+9·70	33·47	13·14	+20·33	7·48	Jodhpur.
193	11	3	9	7	48	68	22	5	5·2	7·0	—1·8	61	—1	·521	—·029	(b) 0·2	—3·2	30	19·10	+10·90	22·20	13·30	+8·90	2·92	Pachpadra.
73	63	47	34	13	3	10	40	83	4·4	4·4	0	52	—6	·451	—·043	2·6	—0·6	48	37·80	+10·20	36·55	26·05	+10·50	3·10	Jaipur.
165	34	19	16	7	6	5	80	34	5·5	6·4	—0·9	61	+4	·489	+·009	2·5	—0·4	37	31·30	+5·70	21·97	20·74	+1·23	2·94	Sambhar.
174	6	13	...	11	6	41	69	46	6·3	5·0	+1·3	65	+2	·509	+·007	3·0	+0·3	42	32·00	+9·40	36·22	21·80	+14·42	4·25	Ajmer.
217	13	5	...	6	2	27	55	40	2·6	...	...	51	+2	·467	...	2·3	...	44	37·60	+6·40	40·22	26·83	+13·39	6·04	Kotah (c).
172	14	4	5	4	12	47	71	35	4·3	...	...	50	+3	·498	...	2·5	...	37	34·10	+2·90	24·38	21·36	+3·02	2·46	Udaipur (g).
																									IX.—Bombay.
69	26	59	32	11	38	80	37	13	8·5	10·2	—1·7	58	+2	·523	—·001	3·1	—0·3	40	28·81	+11·19	37·82	24·12	+13·70	9·93	Deesa (c).
51	14	9	9	10	5	73	100	95	9·7	11·1	—1·4	70	+6	·611	0	3·2	+0·3	20	16·10	+3·90	11·54	14·52	—2·98	2·63	Bhuj.
37	5	25	58	9	16	109	81	26	(b) 14·0	...	...	66	...	·629	...	1·4	...	29	...	...	24·14	...		5·59	Jamnagar.
21	50	28	6	1	25	93	76	66	12·7	...	...0	76	...	·732	...	3·0	...	20	...	...	13·46	...	...	3·00	Dwarka.
38	29	24	33	19	8	118	53	43	9·0	9·1	—0·1	60	—7	·551	—·073	2·4	—0·6	37	30·90	+6·10	18·23	28·13	—9·90	3·20	Rajkot (c).
51	88	40	3	1	4	53	77	49	11·1	8·4	+2·7	73	+3	·674	+·008	2·6	—1·3	33	29·20	+3·80	22·28	18·24	+4·04	3·95	Veraval.
16	31	9	1	3	5	123	51	127	(b) 5·7	10·1	—4·4	63	—6	·588	—·071	3·4	+0·1	35	34·70	+0·30	23·05	19·76	+3·29	2·14	Bhavnagar Para.
45	54	23	42	14	60	54	42	32	5·9	7·6	—1·7	67	—4	·638	—·042?	2·5	—0·9	48	47·40	+0·60	47·45	44·03	+3·42	11·04	Surat.
11	30	80	27	12	14	98	14	78	5·4	5·0	+0·4	59	—1	·548	—·034	3·1	—0·5	48	37·20	+10·80	32·31	33·24	—0·93	2·12	Ahmedabad (g).
2	34	82	71	25	17	36	75	24	10·1	11·8	—1·7	77	—1	·749	—·022	4·3	+0·1	74	75·60	—1·60	53·54	75·21	—21·67	5·09	Bombay.
55	50	34	68	26	18	44	34	22	10·0	8·5	+1·5	70	—2	·696	—·031	3·4	—0·5	90	93·80	—3·80	85·54	107·35	—21·81	6·78	Ratnagiri (f).
18	29	72	103	10	24	27	56	27	(a) 8·6	(a) 6·7	(a) +1·9	79	+1	·759	—·019	5·1	+0·9	88	...	...	112·03	98·43	+13·60	5·80	Goa.
59	61	56	62	14	9	31	48	22	8·6	9·2	—0·6	83	0	·801	—·014	4·9	+1·1	89	...	...	108·75	93·43	+15·32	5·01	Mormugao (l).
198	52	35	1	2	28	29	1	20	4·5	4·2	+0·3	83	0	·738	—·006	3·9	+0·1	91	105·50	—14·50	138·66	123·78	+14·88	5·64	Karwar.
187	9	2	2	3	1	37	91	34	7·8	8·9	—1·1	47	—16?	·425	—·140?	2·0	—1·5	27	34·90	—7·90	12·78	24·08	—11·30	1·56	Malegaon.
63	33	4	8	16	21	51	38	132	9·4	11·4	—2·0	48	—19?	·410	—·154?	2·9	—0·4	28	39·60	—11·60	17·23	22·42	—5·19	2·07	Ahmednagar.
176	5	2	11	8	...	6	122	35	9·3	10·5	—1·2	61	—2	·484	—·023	3·9	0	41	49·60	—5·60	21·18	27·89	—6·71	1·86	Poona (c).
15	29	36	37	49	8	55	34	103	11·0	9·8	+1·2	56	+1	·501	—·002	4·0	0	38	42·00	—4·00	25·44	30·98	—5·54	3·41	Sholapur.
27	15	29	20	41	14	73	77	76	8·8	6·4	+2·4	60	—10	·511	—·093?	3·0	—0·9	24	42·40	—18·40	15·01	24·58	—9·57	2·27	Bijapur.
155	15	17	33	15	3	34	75	19	11·6	15·1	—3·5	68	—2	·520	—·017	4·3	0	84	83·30	+0·70	56·73	50·13	+6·60	5·34	Belgaum.
																									X.—Central India.
40	77	39	9	5	5	72	88	31	7·5	8·7	—1·2	55	—3	·460	—·042	2·2	—0·4	34	37·40	—3·40	25·42	30·08	—4·66	3·27	Neemuch.
98	21	44	19	17	6	18	103	40	5·0	4·1	+0·9	59	—4	·513	—·010	2·5	—0·9	43	45·30	—2·30	24·75	33·64	—8·89	3·54	Indore.
71	14	8	23	8	50	54	122	16	2·5	2·6	—0·1	64	—2	·547	+·002	3·2	0	52	50·70	+1·30	47·25	44·96	+2·29	4·50	Mowgong.
96	2	7	25	8	3	39	116	70	3·4	6·0	—2·6	60	—1	·516	+·004	5·0	+2·1	63	54·60	+8·40	48·67	45·88	+2·79	5·25	Satna.
																									XI.—Central Provinces.
5	21	7	33	48	24	32	111	85	7·3	7·8	—0·5	47	...	·408	...	3·3	...	46	...	...	33·60	36·20	—2·60	3·39	Buldana.
41	4	15	35	39	15	42	105	70	6·3	6·0	+0·3	52	—6	·472	—·041	3·8	+0·4	49	45·10	+3·90	34·34	34·16	+0·18	2·54	Akola.
11	19	74	67	6	10	70	84	25	7·0	5·7	+1·3	51	—8	·474	—·063	3·4	—0·1	45	46·80	—1·80	31·26	34·63	—3·27	2·21	Amraoti.

(a) Mean of 8 months.
(b) Mean of 11 months.
(c) Wind observations 1 less.
(g) " " 2 "
(f) " " 15 "
(l) " " 4 "

Table

(2) *Abstract of observations taken at 8 hours at*

Number of sub-division.	Station.	Elevation of bar. cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.							Temperature of air.											
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity at 45° lat.	Highest pressure recorded during year.	Lowest pressure recorded during year.	Absolute range during year.	Mean monthly range of pressure.	Mean of 8 hrs., temperature of year.	Mean maximum of year.	Departure from normal of year.	Mean minimum of year.	Departure from normal of year.	Yearly mean of mean between maximum and minimum.	Departure from normal of year.	Mean daily range of temperature.	Highest temperature observed during year.	Lowest temperature observed during year.	Absolute range during year.	Mean monthly absolute range.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
	Central Provinces—*concld.*																				
24	Khandwa	1,044	28·826	+·004	29·852	29·142	28·494	·648	·247	71·4	92·3	+0·5	66·1	−0·8	79·2	−0·1	26·2	110·7	38·1	72·6	40·1
	Hoshangabad	1,006	28·867	+·006	29·855	29·226	28·518	·708	·252	72·3	90·6	+0·2	65·1	−1·7	77·9	−0·8	25·5	112·6	39·4	73·2	39·5
	Saugor	1,807	28·043	+·001	29·824	28·399	27·716	·683	·256	73·9	87·9	−0·2	67·2	+1·1	77·6	+0·5	20·7	110·1	35·0	75·1	35·1
	Jubbulpore	1,327	28·517	0	29·831	28·866	28·162	·704	·252	70·4	88·7	+0·3	63·8	−0·7	76·3	−0·2	24·9	111·0	36·3	74·7	38·7
	Seoni	2,033	27·834	+0·5	29·839	28·147	27·484	·663	·243	72·6	88·4	+0·7	(b) 61·2	(b) −2·4?	(b) 74·0	(b) −0·9?	(b) 25·6	110·8	39·9	70·9	(b) 37·9
	Nagpur	1,017	28·839	+·004	29·828	29·175	28·481	·694	·249	74·8	91·9	−0·1	67·9	−1·0	79·9	−0·6	24·1	113·6	44·1	69·5	37·4
25	Pendra	2,123?	27·813	...	29·811	28·158	27·446	·712	·246	73·3	86·1	...	65·3	...	75·7	...	20·8	108·8	39·2	69·6	38·3
	Raipur	970	28·578	+·003	29·817	29·222	28·511	·711	·247	73·4	89·7	−0·8	66·6	−2·6	75·2	−1·7	23·1	112·7	41·4	71·3	35·3
	Chanda	634	29·227	−·002	29·816	29·562	28·900	·662	·245	76·0	92·0	−0·9	67·7	−0·9	79·9	−0·9	24·4	114·0	40·0	74·0	37·[illegible]
	XII.—Hyderabad.																				
28	Aurangabad	1,905	28·012	(h) −·012	29·880	28·273	27·752	·521	·190	75·4	90·4	(h) −0·7	65·4	(h) −1·5	77·9	(h) −1·1	25·1	108·2	44·2	64·0	39·3
	Nizamabad	1,260	28·628	(h) +·038?	29·852	29·017	28·354	·663	·208	76·9	92·0	(h) −0·1	67·8	(h) −2·8	79·9	(h) −1·5	24·3	111·4	43·7	67·7	35·3
	Bidar	2,165	27·735	...	29·853	27·977	27·496	·491	·197	75·0	88·3	...	67·8	...	78·0	...	20·5	106·4	49·7	56·7	30·8
29	Gulbarga	1,503	28·395	−·001	29·862	28·652	28·156	·496	·197	75·5	92·4	0	68·2	−0·6	80·3	−0·3	24·2	110·5	50·3	60·2	36·5
	Raichur	1,311	28·575	−·004	29·845	28·847	25·366	·481	·174	77·0	92·3	+0·2	70·8	−0·9	81·6	−0·3	21·4	109·1	51·1	58·0	35·2
	Hyderabad Deccan	1,690	28·198	0	29·854	28·467	27·932	·535	·211	74·1	90·6	0	68·8	+0·4	79·7	+0·2	21·8	109·3	49·2	60·1	32·3
	Hanumkonda	871	28·996	(h) −·003	29·823	29·298	28·721	·577	·221	76·9	91·2	(h) −1·7	71·0	(h) −2·9	81·1	(h) −2·4	20·2	111·0	51·7	59·3	31·4
	XIII.—Mysore.																				
30	Chitaldroog	2,405	27·524	0	29·877	27·720	27·340	·380	·169	73·0	87·3	+0·7	67·1	−0·1	77·2	+0·3	20·2	102·1	55·4	46·7	28·9
	Hassan	3,149	26·833	+·012	29·913	27·004	26·675	·329	·163	69·4	83·6	+0·9	62·5	+0·3	73·1	+0·6	21·1	96·1	50·1	46·0	29·4
	Bangalore	3,021	26·939	−·009	29·893	27·126	26·769	·357	·171	69·9	85·3	+1·1	63·7	−0·3	74·6	+0·4	21·6	99·8	51·8	48·0	30·6
	Mysore	2,518	27·438	0	29·906	27·626	27·283	·343	·163	71·9	86·3	−0·1	65·3	−0·3	75·9	−0·2	20·8	98·5	54·0	44·5	29·6
	XIV.—Madras.																				
31	Mangalore	65	29·865	−·007	29·862	30·045	29·699	·346	·170	79·2	86·0	−1·1	74·0	−0·1	80·1	−0·6	12·0	95·2	66·4	28·8	19·2
	Calicut	27	29·910	−·004	29·864	30·070	29·709	·361	·166	78·0	86·1	−0·9	74·2	+0·1	80·2	−0·4	11·8	92·8	64·6	28·2	19·0
	Cochin	9	29·936	+·005	29·873	30·078	29·775	·303	·146	78·8	87·7	+0·1	74·8	0	81·3	+0·1	12·9	94·3	63·2	26·1	20·1
	Trivandrum	198	29·735	+·007	29·865	29·883	29·565	·318	·159	77·8	83·9	−0·1	74·6	+0·6	79·3	+0·3	9·3	90·0	64·0	26·0	15·8
32	Tinnevelly	168	29·762	+·009	29·860	30·000	29·597	·403	·180	82·3	(b) 94·4	(b) −0·6	76·0	−0·6	(b) 85·4	(b) −0·6	(b) 18·5	106·3	64·9	41·4	(b) 26·5
	Pamban	37	29·866	−·013	29·830	30·105	29·704	·401	·178	81·2	87·3	+0·1	77·4	−0·1	82·4	0	9·9	94·3	66·7	27·6	17·0
	Madura	447	29·480	+·016	29·866	29·720	29·316	·404	·181	80·5	93·3	−0·7	73·6	−0·2	83·5	−0·5	19·6	104·4	62·1	42·3	29·1
	Periyakulam (b)	944	28·963	...	29·855	29·169	28·801	·368	·174	76·5	91·6	...	70·1	...	80·8	...	21·5	102·0	57·1	44·9	31·9
	Pudukkottai	318	29·605	...	29·857	29·848	29·436	·412	·192	79·7	93·7	...	(b) 73·5	...	(b) 83·3	...	(b) 19·5	108·3	61·9	46·4	(b) 30·0
	Negapatam	31	29·872	−·009	29·832	30·167	29·697	·410	·192	81·0	91·8	+2·0	76·0	+0·1	83·9	+1·0	15·7	106·9	62·0	44·9	26·4
	Trichinopoly	255	29·668	+·004	29·858	29·916	29·493	·423	·186	80·6	94·5	+0·1	74·0	−0·1	84·3	0	20·5	108·1	60·8	47·3	31·1
	Coimbatore	1,348	28·576	+·002	29·885	28·792	28·426	·366	·180	74·9	90·0	−0·3	69·4	−0·2	79·7	−0·3	20·6	101·4	58·3	43·1	29·4
	Salem	940	29·004	−·003	29·892	29·238	28·830	·408	·180	78·0	93·7	+0·8	71·8	+1·1	82·8	+0·9	21·9	108·7	57·4	51·3	32·6
	Cuddalore	37	29·871	+·001	29·838	30·121	29·683	·438	·199	79·5	91·1	+0·7	74·5	+0·3	82·8	+0·5	16·7	108·1	61·2	46·9	28·6
	Vellore	707	29·210	...	29·866	29·483	29·009	·474	·194	77·2	92·8	...	(c) 71·3	...	(c) 81·0	...	(c) 19·4	111·2	57·0	54·2	(c) 31·4
	Madras	22	29·883	−·005	29·836	30·165	29·671	·494	·205	80·4	91·5	+0·5	74·8	0	83·2	+0·3	16·8	109·5	60·5	49·0	28·3

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

(b) Mean of 11 months.
(c) „ of 9 „
(h) „ of 3 „

B—*contd.*

243 stations in India, etc., in the year 1908.

Wind direction. Number of winds from: Calm.	N.	N. E.	E.	S. E.	S.	S. W.	W.	N. W.	Wind velocity. Mean velocity in miles per hour.	Normal.	Departure from normal of year.	Hygrometry, 8 hrs. Mean humidity at 8 hrs. of year.	Departure from normal of year.	Mean vapour tension at 8 hrs. in inches of mercury of year.	Departure from normal in inches of mercury of year.	Cloud. Mean cloud amount at 8 hrs. of year.	Departure from normal of year.	Rainfall. Number of rainy days during year.	Normal number of rainy days during year.	Departure from normal of year.	Rainfall of year.	Normal rainfall of year.	Departure from normal of year.	Heaviest rainfall during year.	Station.
23	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
																									Central Provinces—*concld.*
136	14	10	14	17	6	10	68	91	6·4	6·1	+0·3	54	—5	·453	—·048	3·4	+0·4	36	42·30	—6·30	19·90	31·35	—11·45	1·31	Khandwa.
140	...	19	52	11	5	49	78	12	3·6	3·2	+0·4	59	—7	·486	—·065	3·4	—0·1	57	56·00	+1·00	39·15	52·08	—12·93	2·62	Hoshangabad.
44	12	22	27	46	26	52	112	22	6·1	4·4	+1·7	49	—10	·412	—·083	3·5	+0·5	60	58·10	+1·90	45·93	48·57	—2·64	10·80	Saugor (*a*).
75	9	11	9	57	59	40	69	37	2·6	3·1	—0·5	61	—6	·469	—·066	3·2	—0·2	72	63·90	+8·10	60·33	59·11	+1·22	3·48	Jubbulpore.
94	58	56	12	7	19	32	40	48	4·4	3·8	+0·6	57	—7	·460	—·070	3·6	+0·1	66	71·40	—5·40	51·26	55·27	—4·01	2·39	Seoni.
40	117	35	9	7	17	35	70	35	4·5	5·6	—1·1	53	—8	·463	—·090	3·5	—0·4	64	58·60	+5·40	50·03	49·49	+0·54	5·11	Nagpur.
93	67	16	9	16	48	35	13	68	5·3	...	...	54	...	·444	...	3·1	...	75	...	...	65·45	...	...	4·45	Pendra.
137	16	25	7	8	13	109	35	11	6·8	5·9	+0·9	60	—3	·500	—·065	3·3	—0·8	69	62·50	+6·50	49·21	50·65	—1·44	5·60	Raipur.
108	19	18	16	24	25	37	65	54	4·7	3·6	+1·1	61	—4	·549	—·040	4·0	+0·4	71	61·70	+9·30	60·63	55·75	+5·08	4·99	Chanda.
																									XII.—Hyderabad.
52	23	37	62	19	6	31	91	45	11·2	...	...	51	—4	·418	...	3·0	...	32	47·40	—15·40	19·01	27·82	—8·81	2·63	Aurangabad.
195	3	6	...	6	11	101	4	36	4·2	...	...	63	—4	·575	...	3·0	...	63	58·30	+4·70	51·99	41·07	+10·92	6·50	Nizamabad (*d*).
59	34	30	22	30	26	102	46	17	5·8	...	...	61	...	·529	...	2·3	...	41	59·10	—18·10	34·54	39·71	—5·17	6·46	Bidar.
32	25	45	65	21	22	45	64	47	10·0	10·2	—0·2	59	—5	·519	—·052	3·6	—0·2	49	48·70	+0·30	30·10	31·76	—1·66	3·76	Gulbarga.
41	4	36	25	69	7	104	34	55	9·3	9·6	—0·3	61	—4	·572	—·033	4·1	+0·4	44	44·20	—0·20	24·73	30·74	—6·01	3·12	Raichur.
203	...	7	5	4	...	1	123	24	4·4	5·5	—1·1	62	—8	·519	—·103	4·8	+1·2	43	...	...	37·30	31·56	+5·74	6·03	Hyderabad Deccan.
105	24	1	2	70	34	29	53	48	6·6	...	...	60	—7	·558	...	4·2	...	56	51·40	+4·60	54·59	32·86	+21·73	12·00	Hanumkonda.
																									XIII.—Mysore.
42	5	10	49	42	.	72	102	44	6·8	8·1	—1·3	67	—3	·546	—·030	4·1	—1·0	36	48·5	—12·50	15·40	26·33	—10·93	2·27	Chitaldroog.
48	8	29	60	37	5	52	88	49	7·1	3·6	+3·5	78	+2	·568	—·006	5·4	—0·2	42	68·20	—26·20	20·08	35·09	—15·01	1·36	Hassan.
4	5	37	75	34	27	88	85	11	8·2	6·3	+1·9	77	—1	·566	—·014	4·9	—0·1	47	58·60	—11·60	25·80	35·06	—9·26	2·62	Bangalore.
20	8	44	50	17	21	113	81	12	9·2	10·0	—0·8	75	—1	·610	+·009	5·6	+0·3	54	55·90	—1·90	26·27	30·91	—4·64	3·21	Mysore.
																									XIV.—Madras.
85	26	60	120	17	4	7	19	28	*4·9	2·9	+2·0	79	—2	·789	0	4·9	—0·2	108	117·90	—9·90	149·01	123·94	+25·07	7·46	Mangalore.
92	33	46	85	29	8	8	8	57	6·3	8·6	—2·3	85	+2	·817	+·015	5·1	+0·3	99	116·10	—17·10	107·52	115·11	—7·59	4·26	Calicut.
48	21	110	114	28	10	6	16	18	*6·3	5·5	+0·8	80	—1	·781	—·031	5·2	+0·5	123	130·60	—7·60	111·40	115·63	—4·23	4·85	Cochin.
111	55	34	15	3	...	...	15	133	*5·4	6·1	—0·7	82	0	·794	0	5·3	—0·2	96	92·90	+3·10	58·31	62·78	—4·47	8·50	Trivandrum.
101	71	25	4	...	5	3	66	71	3·8	6·0	—2·2	65	—4	·715	—·027	5·0	+0·3	34	41·40	—7·40	22·63	28·63	—6·00	3·15	Tinnevelly.
18	37	45	35	19	71	79	25	37	12·9	10·3	+2·6	82	+2	·875	...	4·0	...	44	42·70	+1·30	31·31	38·97	—7·66	4·53	Pamban.
18	71	59	26	5	2	5	74	106	7·3	4·2	+3·1	70	0	·718	—·018	6·0	+1·8	52	50·20	+1·80	38·48	33·30	+5·18	2·98	Madura.
299	4	6	3	5	6	6	5	1	†2·7	...	...	66	...	·623	...	3·4	...	38	47·40	—9·40	27·76	28·23	—0·47	2·61	Periyakulam (*f*).
32	72	57	3	5	10	32	58	96	9·3	...	...	72	...	·733	...	5·9	...	47	...	...	27·80	...	...	3·18	Pudukkottai (*g*).
10	7	44	7	8	4	67	132	87	10·0	6·8	+3·2	74	—2	·786	—·022	4·7	—0·7	40	58·20	—18·20	48·34	55·56	—7·22	5·76	Negapatam.
63	42	32	14	2	14	72	99	28	*5·6	5·8	—0·2	69	—3	·714	—·017	4·8	—0·1	40	44·60	—4·60	32·62	32·54	+0·08	2·98	Trichinopoly.
89	12	76	32	8	8	133	6	2	6·5	4·2	+2·3	77	—6	·671	—·062	3·9	—0·8	41	43·80	—2·80	21·42	20·90	+0·52	2·42	Coimbatore.
34	10	46	83	6	24	80	71	12	5·6	4·2	+1·4	76	0	·739	+·010	5·5	+1·1	55	59·50	—4·50	32·51	40·50	—7·99	3·75	Salem.
33	44	12	1	9	42	94	58	73	7·8	2·5	+5·3	77	—6	·777	—·081	5·1	—0·1	49	56·30	—7·30	48·90	52·58	—3·68	4·70	Cuddalore.
195	4	10	19	78	5	7	17	26	4·1	...	...	73	...	·678	...	3·8	...	50	54·90	—4·90	30·54	38·47	—7·93	2·77	Vellore (*i*).
50	48	11	4	12	78	60	69	31	*5·4	6·8	—1·4	79	+3	·819	+·014	4·6	—0·5	57	83·70	—26·70	54·85	50·39	+4·46	6·58	Madras.

† Mean of 10 months.

* Uncorrected for scale error.

(*a*) Wind observations 3 less.
(*d*) Wind observations 4 less.
(*i*) " " 31 "

Table

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

Number of sub-division.	Station.	Elevation of bar. cistern above sea level, in feet.	Pressure, 8 hrs. in inches. Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during year.	Lowest pressure recorded during year.	Absolute range during year.	Mean monthly range of pressure.	Temperature of air. Mean of 8 hrs. temperature of year.	Mean maximum of year.	Departure from normal of year.	Mean minimum of year.	Departure from normal of year.	Yearly mean of mean between maximum and minimum.	Departure from normal of year.	Mean daily range of temperature.	Highest temperature observed during year.	Lowest temperature observed during year.	Absolute range during year.	Mean monthly absolute range.
1	2	3	4	5		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
	Madras. —*concld.*																				
33	Cuddapah	433	29·473	+·003	29·831	29·748	29·251	·497	·201	80·3	96·0	+0·5	73·9	—0·6	84·9	0	22·2	112·2	58·6	53·6	33·7
	Bellary	1,475	28·428	0	29·863	29·665	28·223	·442	·183	75·6	94·0	+0·9	70·6	0	82·3	+0·5	23·3	110·0	54·8	55·2	34·2
	Kurnool	923	28·966	—·007	29·846	29·233	28·745	·488	·194	75·3	93·9	+0·1	70·0	—0·5	82·0	—0·2	24·0	111·2	50·6	60·6	35·4
34	Nellore	66	29·834	+·010	29·833	30·142	29·613	·529	·213	80·4	93·6	—0·7	74·6	—0·5	84·1	—0·6	19·0	112·8	60·6	52·2	30·5
	Masulipatam	15	29·888	+·016	29·838	30·214	29·623	·591	·232	79·9	90·6	—0·1	74·1	—0·2	82·4	—0·2	16·5	113·3	60·1	53·2	26·2
	Cocanada	26	29·858	+·001	29·829	30·197	29·558	·639	·233	78·8	90·2	+0·8	74·2	—0·7	82·2	0	16·0	114·1	59·0	55·1	27·6
	Waltair (Vizagapatam).	*226*	29·638	—·006	29·807	29·931	29·296	·685	·236	79·5	86·5	...	75·0	...	80·8	...	11·5	105·4	59·9	45·5	21·9
	Calingapatam	19	29·353	...	29·812	30·213	29·478	·735	·239	...	...	...	...	...	...	...	...	...	...	...	...
	Gopalpur	72	29·783	+·004	29·798	30·177	29·395	·782	·245	75·9	85·8	—0·1	72·0	—1·3	78·9	—0·7	13·8	102·2	53·0	49·2	23·4
	Stations in the Bay.																				
1	P. V. Fraser (*b*)	8	29·850	...	29·775	30·225	29·395	·830	·249	79·9	...	...	...	...	...	...	...	...	...	...	...
	Car Nicobar	25	29·873	...	29·825	30·012	29·773	·234	·142	82·0	86·5	...	77·0	...	81·8	...	9·5	93·6	69·3	24·3	15·8
	Port Blair	58	29·854	+·002	29·843	30·052	29·687	·365	·175	79·3	85·9	—1·4	76·2	—0·8	81·1	—1·1	9·7	94·7	68·0	26·7	16·6
	Slipper Island	90	29·796	...	29·820	30·005	29·581	·424	·183	80·7	85·8	...	77·0	...	81·4	...	8·8	93·6	69·1	24·5	15·1
	Kashmir.																				
14	Srinagar	5,204	24·879	—·009	24·850	25·168	24·491	·677	·354	49·6	67·5	+1·6	44·7	+0·7	56·1	+1·2	22·9	96·6	12·1	84·5	40·8
	Gulmarg (*k*)	*8,569*	24·840	...	24·808	24·939	24·643	·346	·200	55·8	65·0	...	44·4	...	54·7	...	20·6	79·7	29·3	50·4	33·4
	Sonemarg	*8,764*	24·877	...	24·775	22·011	24·406	·605	·301	35·9	54·3	...	31·1	...	42·7	...	23·3	81·4	—3·2	85·3	44·1
	Dras	*10,059*	20·790	(*h*) —·053	20·758	21·060	20·345	·715	·381	32·0	51·1	(*h*) —0·5	23·3	(*h*) —2·0	37·2	(*h*) —1·9	27·8	88·9	—36·0	124·9	53·3
	Leh	11,503	19·698	—·004	19·666	19·923	19·226	·697	·363	37·6	54·8	—0·7	30·5	+0·7	42·6	0	24·3	85·6	—1·0	86·6	43·4
	Skardu	*7,505*	22·867	(*h*) —·012	22·837	23·223	22·470	·753	·424	46·6	63·3	(*h*) —1·0	41·6	(*h*) —2·0	52·5	(*h*) —1·5	21·7	93·9	8·1	90·8	40·4
	Minimarg (*i*)	*9,359*	21·275	...	21·243	21·573	20·844	·729	·548	23·7	39·2	...	15·2	...	27·2	...	24·1	61·5	—6·5	68·0	56·5
	Astor (*i*)	*7,955*	22·564	...	22·531	22·894	22·110	·694	·532	28·2	42·7	...	24·6	...	33·7	...	18·1	68·4	4·0	64·4	43·9
	Gilgit	*4,890*	25·128	...	25·101	25·542	24·694	·848	·452	58·5	72·5	—0·3	51·7	—1·7	62·1	—1·0	20·8	108·7	25·2	83·5	38·9
	Baluchistan.																				
16	Quetta	5,502	24·623	+·005	24·586	24·877	24·340	·537	·274	56·0	74·4	+0·9	46·2*	* —0·2	* 60·6	* +0·2	* 28·8	100·6	14·0	86·6	49·7*
	Chaman	4,311	25·667	—·005	25·629	25·933	25·345	·618	·299	62·4	78·4	—0·9	53·8	—0·9	66·2	—0·9	24·6	108·8	20·8	88·0	48·9
	Robat	...	26·883	...	26·841	27·305	26·485	·820	·369	70·0	86·0	...	59·5	...	72·8	...	26·5	116·5	23·7	92·8	50·6
	Hill Stations excluding Kashmir and Baluchistan.																				
	Chitral	*5,486*	...	...	...	...	...	...	...	(*b*) 52·1	(*b*) 71·8	...	(*a*) 49·2	...	(*a*) 64·3	...	(*a*) 30·2	105·2	24·0	81·2	(*a*) 46·5
	Para Chinar	6,000	24·373	...	24·340	24·809	24·031	·578	·339	57·5	70·0	...	47·8	...	58·9	...	22·2	98·7	21·8	76·9	40·1
	Cherat	4,256	25·671	+·003	25·639	25·937	25·352	·585	·299	60·7	70·6	—3·1	55·5	—1·3	63·1	—2·2	15·1	103·1	26·5	76·6	34·7
	Murree	6,333	23·829	0	23·797	24·021	23·513	·508	·301	56·1	63·9	—1·9	50·4	—0·4	57·2	—1·2	13·4	93·0	25·0	68·0	35·7
	Kailang	10,087	20·955	...	20·910	21·193	20·472	·721	·332	39·8	55·7	+0·3	32·3	+0·3	44·0	+0·3	23·4	83·6	0·5	83·1	43·8
	Simla	7,232	23·095	+·004	23·057	23·284	22·819	·465	·247	54·3	61·8	+1·0	50·2	+0·3	56·0	+0·6	11·6	83·5	25·1	58·4	27·6
	Sanain	...	23·141	...	...	23·336	22·873	·463	·233	48·5	62·7	...	43·2	...	53·0	...	19·5	84·0	19·9	4·1	34·9
	Kalabagh (*n*)	...	20·120	...	...	20·251	19·958	·293	·180	49·1	55·6	...	44·3	...	50·0	...	11·4	65·2	31·1	34·1	23·9

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

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

(*b*) Mean of 11 months.

(*a*) Mean of 8 months.
* Mean of 10 ,,
(*k*) Mean of 5 ,,
(*h*) Mean of 3 ,,
(*i*) Mean of 4 ,,
(*n*) Mean of 6 ,,

B.—*contd.*

243 stations in India, etc., in the year 1908.

Wind direction. Number of winds from. Calm.	N.	N. E.	E.	S. E.	S.	S. W.	W.	N. W.	Wind velocity. Mean velocity in miles per hour.	Normal.	Departure from normal of year.	Hygrometry, 8 hrs. Mean humidity at 8 hrs. of year.	Departure from normal of year.	Mean vapour tension at 8 hrs. in inches of mercury of year.	Departure from normal in inches of mercury of year.	Cloud. Mean cloud amount at 8 hrs. of year.	Departure from normal of year.	Rainfall. Number of rainy days during year.	Normal number of rainy days during year.	Departure from normal of year.	Rainfall of year.	Normal rainfall of year.	Departure from normal of year.	Heaviest rainfall during year.	Station.
23	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
																									Madras—*concld.*
...	3	36	33	65	1	49	99	80	...	...	...	69	+1	·708	+·002	4·7	+0·4	37	43·70	—6·70	23·42	32·69	—9·27	3·23	Cuddapah.
81	12	5	20	26	27	49	96	48	5·8	6·7	—0·9	57	—5	·514	—·066	4·0	—0·7	29	34·30	—5·30	14·76	19·73	—4·97	2·01	Bellary (*f*).
123	6	6	22	6	20	93	35	55	7·8	...	...	69	+3	·606	—·019	3·4	—0·4	50	47·60	+2·40	27·78	28·40	—0·62	2·60	Kurnool.
19	20	10	17	41	59	29	73	98	6·2	6·7	—0·5	73	—3	·749	—·060	5·2	+0·2	40	42·40	—2·40	44·01	30·73	+13·28	6·15	Nellore.
72	17	37	24	18	65	26	54	53	7·0	6·5	+0·5	81	—1	·831	—·015?	5·1	+0·3	51	51·00	0	27·42	40·91	—13·49	3·00	Masulipatam.
60	43	39	3	8	2	93	58	60	7·0	7·9	—0·9	79	+4	·791	+·031	5·8	+1·1	43	53·90	—10·90	28·56	39·84	—11·28	2·71	Cocanada.
18	17	72	3	1	8	141	95	11	10·7	...	...	67	—6	·690	—·077	5·5	+0·7	43	49·60	—6·60	28·79	43·54	—14·75	5·20	Waltair (Vizagapatam).
21	19	19	4	6	32	108	74	83	7·6	...	...	...	...	...	...	3·1	...	51	...	...	28·37	...	...	3·35	Calingapatam.
15	99	7	6	3	28	107	16	84	11·9	11·8	+0·1	81	0	·744	—·010	3·2	—1·4	54	55·20	—1·20	37·51	47·53	—10·00	2·29	Gopalpur (*o*).
																									Stations in the Bay.
11	53	35	9	12	50	91	25	23	(*a*) 8·6	...	...	81	...	·847	...	5·0	...	53	...	...	(*s*) 33·92	...	...	4·15	P. V. Fraser (*t*).
14	27	41	2	...	23	121	23	5	3·8	...	...	81	...	·885	...	9·4	...	126	...	...	78·05	...	...	5·62	Car Nicobar (*m*).
65	29	41	21	9	17	64	68	52	7·6	7·5	+0·1	84	—2	·848	—·047	7·0	+1·0	148	...	...	140·78	117·63	+23·15	10·17	Port Blair.
17	53	37	33	11	37	78	54	46	14·8	...	...	82	...	·854	...	7·0	+2·4	100	...	...	71·76	...	...	4·83	Slipper Island.
																									Kashmir.
130	23	13	14	64	38	18	18	48	3·6	3·6	0	82	—4	·334	—·021	4·3	...	66	56·50	+9·50	34·10	24·74	+9·36	2·49	Srinagar.
23	9	46	14	8	5	19	7	6	6·3	...	...	82	...	·379	...	3·7	...	42	...	...	25·02	...	...	2·16	Gulmarg. (*d*)
205	22	66	37	12	8	4	5	4	3·2	...	...	(*b*) 82	...	(*b*) ·183	...	4·5	...	116	...	...	77·62	...	...	3·58	Sonemarg. (*l*)
351	3	...	2	3	3	3	1	...	3·4	...	...	74	—2	·162	...	3·7	...	61	61·10	—0·10	18·28	21·74	—3·46	1·15	Dras.
805	8	10	11	3	10	7	12	...	*2·9	2·0	+0·9	48	—4	·129	—·002	5·3	+0·5	13	9·30	+3·70	4·81	3·00	+1·81	0·70	Leh.
293	2	8	10	10	20	19	4	...	4·6	...	...	68	—3	·204	...	4·4	...	17	17·00	0	8·30	7·41	+0·89	0·95	Skardu.
95	1	4	13	4	3	...	1	1	3·3	...	...	82	...	·097	..	6·1	...	53	...	...	31·75	...	...	1·70	Minimarg. (*g*)
74	..	...	1	4	25	14	4	...	3·2	...	...	65	...	·104	...	6·6	...	17	...	...	2·64	...	...	0·60	Astor. (*g*)
310		2	4	...	...	11	38	...	1·8	...	...	56	+5	·291	+·022	5·1	+0·3	25	14·00	+11·00	7·31	4·80	+2·51	0·80	Gilgit. (*s*)
																									Baluchistan.
277	9	7	7	29	18	8	10	7	3·1	2·9	+0·2	53	—5	·248	—·039	1·5	—0·4	16	26·80	—10·80	6·16	10·68	—4·52	0·69	Quetta.
87	3	1	23	70	66	91	17	8	6·8	8·1	—1·3	43	—1	·246	—·021	1·9	—0·1	18	19·60	—1·60	6·14	6·29	—0·15	0·85	Chaman.
73	37	95	16	1	7	35	90	11	7·9	...	...	59	...	·496	...	0·7	...	7	...	...	3·49	...	...	1·82	Robat.
																									Hill Stations excluding Kashmir and Baluchistan.
312	...	20	1	...	1	...	...	2	(*b*) 5·7	...	...	(*b*) 72	...	(*b*) ·304	...	(*b*) 3·0	...	(*b*) 38	...	...	(*n*) 15·48	...	...	1·50	Chitral.
334	3	1	6	2	10	...	8	2	4·5	...	...	58	...	·289	...	3·1	...	73	58·20	+14·80	32·63	25·18	+7·45	2·62	Para Chinar.
128	113	11	1	13	12	4	3	81	8·5	11·4	—2·9	57	+4	·321	+·002	2·7	—0·4	49	...	...	36·11	24·43	+11·68	4·30	Cherat.
113	43	13	17	88	60	4	1	27	7·8	7·3	+0·5	58	+3	·282	+·019	3·6	—0·2	93	77·30	+15·70	70·77	55·85	+14·92	7·10	Murree.
...	7	13	23	80	61	82	70	27	1·4	1·6	—0·2	68	...	·181	...	4·6	...	50	...	...	25·14	22·84	+2·30	1·84	Kailang (*l*).
32	150	6	2	17	99	6	...	11	(*b*) 5·1	4·6	+0·5	53	—5	·239	—·021	3·7	—0·5	73	80·10	—7·10	54·22	63·59	—9·37	2·85	Simla (*n*).
152	3	18	8	4	85	87	6	3	3·0	...	...	69	...	·255	...	3·7	...	90	...	...	57·57	...	...	5·20	Sarain.
47	50	5	1	3	43	11	...	13	6·0	...	...	67	...	·239	...		...	64	...	...	54·08	...	...	7·70	Kalabagh (*y*).

(*f*) Wind observations 2 less.
(*g*) ,, ,, 193 ,,
(*o*) ,, ,, 1 ,,
(*s*) ,, ,, 57 ,,
(*m*) ,, ,, 110 ,,
(*d*) ,, ,, 229 ,,
(*l*) ,, ,, 3 ,,
(*g*) ,, ,, 244 ,,
(*n*) ,, ,, 43 ,,

* Uncorrected for scale error.
(*a*) Mean of 8 months.
(*b*) ,, 11 ,,

(*s*) Rainfall for the month of March 1908, wanting.
(*r*) ,, ,, June 1908,
(*p*) ,, ,, January to April and November and December 1908, wanting.

TABLE

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

Number of sub-division.	Station.	Elevation of bar. cistern above sea-level in feet.	Pressure, 8 hrs., in inches. Mean 8 hrs. pressure reduced to 32°	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during year.	Lowest pressure recorded during year.	Absolute range during year.	Mean monthly range of pressure.	Temperature of air. Mean of 8 hrs. temperature of year.	Mean maximum of year.	Departure from normal of year.	Mean minimum of year.	Departure from normal of year.	Yearly mean of mean between maximum and minimum.	Departure from normal of year.	Mean daily range of temperature.	Highest temperature observed during year.	Lowest temperature observed during year.	Absolute range during year.	Mean monthly absolute range.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
	Hill Stations excluding Kashmir and Baluchistan —*concld.*																				
	Chakrata . .	7,022	23·280	+·015	23·240	23·462	23·045	·417	·239	54·6	67·0	+2·6	50·2	+0·5	58·6	+1·7	16·9	85·3	26·7	58·6	32·4
	Muktesar . .	7,592	22·825	(h) —·040	22·783	23·008	22·608	·400	·223	54·7	65·4	(h) 0	48·9	(h) —1·6	57·2	(h) —0·8	16·5	85·5	27·0	58·5	32·3
	Darjeeling . .	7,376	23·004	—·003	22·960	23·172	22·787	·385	·196	53·6	60·9	+2·4	48·0	+0·4	54·5	+1·4	12·9	74·3	31·7	42·6	22·4
	Shillong . .	4,920	25·106	...	25·058	25·320	24·815	·505	·211	60·9	70·8	...	53·2	...	62·0	...	17·6	83·9	32·7	51·2	28·7
	Cherra Poonjee .	4,309	25·678	...	25·629	25·895	25·353	·542	·212	62·5	69·4	...	(b) 58·7	...	(b) 64·5	...	(b) 11·6	81·2	35·8	45·4	(b) 23·3
	Maymyo . .	3,545	26·423	(h) —·006	26·368	26·674	26·213	·461	·187	64·6	76·7	(h) —1·2	58·0	(h) +1·8	67·4	(h) +0·3	18·7	90·4	33·6	56·8	30·3
	Pachmarhi . .	3,528	26·425	—·001	26·372	26·676	26·101	·575	·223	67·6	80·2	+0·7	60·1	—1·1	70·2	—0·2	20·2	99·2	31·6	67·6	33·4
	Mount Abu . .	3,945	26·025	—·003	25·975	26·284	25·724	·560	·244	67·5	74·9	—1·1	61·9	—·1	68·4	—0·7	13·1	91·7	37·9	53·8	29·4
	Mercara . .	3,781	26·227	—·004	26·160	26·372	26·082	·290	·144	65·2	76·4	—0·2	60·9	—0·4	68·7	—0·3	15·5	89·0	52·0	37·0	23·3
	Ootacamund . .	7,412	23·033	...	22·969	23·166	22·903	·263	·125	56·5	65·4	...	48·2	...	56·8	...	17·2	74·5	33·7	40·8	29·1
	Kodaikanal . .	7,688	22·826	(h) —·028	22·761	22·940	22·697	·243	·131	56·5	64·4	(h) —0·7	51·0	(h) —1·2	57·7	(h) —1·0	13·4	75·0	38·0	37·0	23·9
	Extra India.																				
	Singapore (a) .	10	29·938	...	29·869	30·078	29·828	·250	·153	83·4	87·6	...	73·9	...	80·8	...	13·8	93·8	69·4	24·4	9·2
	Penang (a) . .	20	29·917	...	29·862	29·996	29·826	·170	·111	81·7	90·0	...	73·9	...	82·0	...	16·1	95·0	67·0	28·0	21·3
	Trincomalee . .	12	29·917?	+·028?	29·854?	30·109	29·698	·411	·181	77·2	88·5	—0·1	76·0	—0·3	82·3	—0·2	12·5	97·[illegible]	67·5	29·5	20·2
	Colombo . .	40	29·893	—·012	29·859	30·029	29·721	·308	·163	77·2	87·1	+0·2	75·4	—0·2	81·3	0	11·8	93·0	66·0	27·0	19·0
	Minicoy . .	7	29·958	...	...	30·083	29·794	·289	·150	...	...	...	...	...	...	...	...	...	...	...	...
	Amini Divi (X) .	13	29·926	+·003	29·867	30·082	29·784	·298	·148	82·1	88·2	+1·7	76·9	—0·4	82·6	+0·7	11·3	96·3	66·1	30·2	19·9
	Gyantse . .	13,120	...	...	...	...	...	...	...	36·7	60·6	...	26·0	...	43·3	...	34·6	87·7	—6·1	93·8	51·6
	Pharijong (c) .	14,400	(k) 17·87*	...	...	18·040	17·624	·416	(k) ·206	33·6	51·4	...	21·5	...	36·4	...	29·9	68·1	—10·2	78·3	49·9
	Gangtok . .	5,660?	(g) 24·400	...	...	24·642	24·137	·505	(g) ·201	60·9	69·2	...	52·6	...	60·9	...	16·7	80·3	31·0	49·3	29·1
	Gartok (f) . .	15,100?	17·249	...	...	17·411	17·061	·350	·298	11·6	31·0	...	0·2	...	15·6	...	30·8	43·3	—22·7	66·0	59·2
	Kashgar (m) (b) .	4,255	25·571	...	...	26·060	25·190	·870	·535	50·9	67·8	+1·8	43·6	—0·1	55·7	+0·9	24·2	102·1	4·8	97·3	44·4
	Kabul . . .	...	24·249	...	24·218	24·532	23·953	·579	·324	54·1	73·4	(h) +1·1	41·8	—0·7	(b) 58·0	(b) +0·1	(b) 30·6	101·6	—0·1	101·7	(b) 52·8
	Meshed . . .	3,104	26·773	...	...	27·224	26·424	·800	·458	52·4	70·8	...	39·6	...	55·2	...	31·2	101·6	3·8	97·8	58·5
	Jask . . .	13	29·863	—·002	29·833	30·256	29·389	·867	·293	78·4	86·4	—0·2	74·0	+0·6	80·2	+0·2	12·4	109·8	52·3	57·5	26·5
	Muscat . . .	20	29·865	+·008	29·833	30·225	29·393	·832	·273	80·8	88·9	+5·5	77·6	—1·1	83·3	+2·2	11·3	114·3	60·1	54·2	25·9
	Bahrein . .	18	29·903	...	29·874	30·410	29·420	·990	·325	77·9	83·5	...	72·8	...	(k) 78·1	...	(k) 10·7	106·6	44·8	61·8	(k) 26·5
	Bushire . .	14	9·854	—·007	29·827	30·326	29·367	·959	·334	73·5	82·4	+0·2	69·0	+0·5	75·7	+0·4	13·4	112·1	39·1	73·0	33·1
	Busrah . . .	25	29·907	...	29·892	30·474	29·394	1·080	·376	69·8	85·3	...	(d) 67·5	...	(a) 79·2	...	(d) 2[illegible]·8	109·0	31·1	77·9	(d) 39·5
	Ispahan (n) . .	5,817	24·263	...	...	24·540	23·930	·610	·358	52·4	73·3	—0·8	46·4	+1·2	59·9	+0·2	26·9	102·4	14·2	88·2	46·0
	Tehran (n) (b) .	4,002	25·796	...	...	26·300	25·350	·950	·434	55·9	74·3	+1·6	50·4	—0·3	62·3	+0·7	23·9	108·6	16·7	91·9	45·0
	Baghdad . .	220	(e) 29·773	(e) —·004	(e) 29·974	30·323	29·242	1·081	(e) ·411	66·2	85·8	+0·8	60·8	+1·3	73·3	+1·1	25·0	116·8	30·5	86·3	42·4
	Beirut . . .	...	...	...	29·937	...	...	...	...	(o) 68·4	75·1	...	61·9	...	68·5	...	13·3	90·4	39·9	50·5	28·0
	Aden . . .	94	29·848	+·022	29·874	30·164	29·534	·570	·190	81·0	87·3	—0·9	77·5	—0·2	82·5	—0·6	9·8	98·8	64·9	33·9	19·7
	Perim . . .	201	(d) 29·638	(d) —·015	(d) 29·772	29·965	29·437	·468	(d) ·175	82·8	89·1	—0·7	79·1	0	84·2	—0·3	10·0	101·5	69·6	31·9	16·4
	Zanzibar . .	72	29·9[illegible]5	+·002	29·993	30·155	29·791	·364	·141	79·0	84·4	+0·8	76·5	+0·1	80·5	+0·4	7·9	91·3	69·8	2[illegible]·5	13·7
	„ Dunga (g)	154	29·847	...	29·930	29·983	29·655	·328	·100	76·4	(d) 85·1	...	75·9	...	(d) 86·4	...	(d) 9·3	97·5	68·8	28·7	(d) 16·2

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

(a) 9 hrs. observations.
(b) Aneroid uncorrected for scale error.
(c) Aneroid corrected.

(a) Mean of 10 months.
(b) „ 2 „
(b) „ 11 „
(k) „ 6 „
(d) „ 8 „
(e) „ 7 „
(g) „ 9 „
(o) 8½ hours observations.
(e) Mean of 8 months.
(h) „ „ 3 „

B—*concld.*

243 stations in India, etc., in the year 1908.

Wind direction. Number of winds from. Calm.	N.	N.-E.	E.	S.E.	S.	S.W.	W.	N.W.	Wind velocity. Mean velocity in miles per hour.	Normal.	Departure from normal of year.	Hygrometry, 8 hrs. Mean humidity at 8 hrs. of year.	Departure from normal of year.	Mean vapour tension at 8 hrs. in inches of mercury of year.	Departure from normal in inches of mercury of year.	Cloud. Mean cloud amount at 8 hrs. of year.	Departure from normal of year.	Rainfall. Number of rainy days during year.	Normal number of rainy days during year.	Departure from normal of year.	Rainfall of year.	Normal rainfall of year.	Departure from normal of year.	Heaviest rainfall during year.	Station.
23	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
																									Hill Stations excluding Kashmir and Baluchistan —concld.
125	151	10	...	9	38	2	1	30	6·7	6·3	+0·4	59	−5	·274	−·017	3·1	−0·3	73	88·00	−15·00	66·91	70·71	−3·80	6·36	Chakrata.
166	5	12	46	28	10	3	94	2	6·6	...	...	54	−7	·247	...	3·6	...	56	...	...	34·75	...	...	2·58	Muktesar.
89	17	75	52	55	5	27	36	26	3·7	4·8	−1·1	80	−7	·355	−·002	5·1	−0·9	114	121·09	−7·09	90·70	124·38	−33·68	4·54	Darjeeling (*j*).
259	1	3	4	15	18	53	11	2	3·8	...	...	72	...	·406	...	4·1	...	116	120·40	−4·40	67·46	79·72	−12·26	3·10	Shillong.
67	16	65	73	16	14	73	34	8	5·0	...	...	80	...	·469	...	4·5	...	152	161·70	−9·70	282·60	438·85	−156·25	14·00	Cherra Poonjee.
213	1	24	11	12	26	47	19	3	2·1	...	...	85	+2	·541	...	2·7	...	94	90·70	+3·30	59·81	58·96	+0·85	4·36	Maymyo (*g*).
86	11	38	17	6	6	35	97	70	6·6	5·9	+0·7	58	−2	·396	−·038	2·8	−1·1	80	79·20	+0·80	74·24	76·21	−1·97	4·31	Pachmarhi.
62	22	35	4	13	19	112	48	42	8·0	7·8	+0·2	53	−2	·357	−·016	3·3	0	64	54·20	+9·80	129·99	61·73	+68·26	11·30	Mount Abu (*j*).
29	45	65	46	5	1	19	82	74	5·5	5·9	−0·4	86	+3	·525	−·011	6·1	+0·2	121	134·70	−13·70	124·86	125·94	−1·08	5·26	Mercara.
77	11	35	79	44	16	11	73	20	5·0	...	...	68	...	·313	...	4·7	...	88	90·70	−2·70	38·43	46·60	−8·17	1·55	Ootacamund.
1	48	39	57	36	25	8	66	86	13·2	...	...	69	−1	·316	...	3·9	...	108	99·40	+8·60	59·17	59·88	−0·71	2·38	Kodaikanal.
																									Extra India.
100	47	63	9	40	12	46	18	31	*5·3	...	...	...	...	...	...	5·7	...	134	...	...	85·68	...	...	4·20	Singapore.
...	75	78	89	32	30	4	7	51	10·4	...	...	...	...	...	...	1·2	...	125	...	...	111·26	...	...	5·65	Penang.
120	4	35	6	1	15	173	9	3	4·8	10·0	−5·2	87	+6	·830	−·034	4·3	+1·0	67	...	...	53·38	62·37	−8·99	3·25	Trincomalee.
8	46	66	12	14	13	162	32	13	6·9	8·0	−1·1	89	+12	·838	−·007	5·8	+0·7	88	...	...	58·24	89·59	−31·35	3·05	Colombo.
11	75	67	13	...	1	11	89	99	6·7	9·5	−2·8	...	...	...	...	4·2	−0·4	101	...	...	77·16	57·48	+19·68	4·36	Minicoy.
12	56	50	3	3	...	30	71	80	...	...	...	77	−2	·839	−·040	5·4	+0·1	65	...	...	(*r*) 51·85	40·82	+11·03	3·28	Amini Divi (*s*).
...	4	6	25	83	111	30	4	3	2·4	...	...	67	...	·164	...	...	...	25	...	...	8·53	...	...	0·68	Gyantse.
48	16	1	8	35	34	8	3	13	8·4	...	...	89	...	·191	...	4·2	...	42	...	...	(*v*) 18·62	...	...	4·00	Pharijong (*v*).
315	7	7	...	...	5	4	2	1	2·1	...	...	81	...	·455	...	1·7	...	154	...	...	113·90	...	...	3·46	Gangtok (*m*).
15	...	...	1	15	13	3	...	1	8·0	...	...	...	...	...	...	3·2	...	0	...	...	(*k*) 0	...	...	0	Gartok (*a*).
282	4	...	3	1	1	...	3	39	1·8	2·9	−1·1	44	?	·264	?	2·9	−1·3	10	...	...	(*q*) 2·78	3·94	−1·16	0·60	Kashgar (*q*).
...	82	96	7	1	19	31	74	54	...	...	...	60	...	·268	...	2·1	+0·5	38	...	...	20·86	11·85	+9·01	2·60	Kabul (*p*).
251	39	7	13	16	14	1	8	17	1·5	...	...	66	...	·270	...	2·5	?	19	...	...	7·57	8·29	−0·72	1·06	Meshed.
59	27	32	116	44	1	3	15	56	10·8	11·9	−1·1	74	+3	·752	+·025	1·5	−0·1	3	...	...	0·75	4·46	−3·71	0·46	Jask (*u*).
276	9	5	4	17	...	...	6	43	3·9	4·3	−0·4	65	−4	·703	−·039	2·1	+0·5	5	...	...	0·92	4·43	−3·51	0·21	Muscat (*t*).
...	39	21	22	31	12	22	87	124	7·7	...	...	76	...	·757	...	(*x*) 0·8	...	5	...	...	1·13	...	...	0·32	Bahrein (†).
41	40	84	64	32	10	6	11	78	10·7	7·9	+2·8	73	+6	·651	+·043	2·6	...	13	...	...	6·82	12·11	−5·29	1·40	Bushire.
37	22	6	4	26	28	36	112	91	5·7	...	...	67	...	·523	...	1·9	...	13	...	...	5·80	...	...	1·65	Busrah (*w*).
269	10	8	6	6	5	7	36	8	2·3	3·9	−1·6	64	0	·264	−·055	1·7	−0·4	19	...	...	6·26	3·64	+2·62	0·90	Ispahan (*o*).
33	85	129	20	8	12	22	15	10	4·8	2·9	+1·9	66	+18	·335	+·084	1·4	−1·1	21	...	...	(*q*) 8·27	9·39	−1·12	1·10	Tehran (*o*).
106	69	11	11	9	21	9	35	92	8·6	3·6	+5·0	53	−6	·343	−·066	2·0	+0·8	10	...	...	3·51	9·04	−5·53	0·73	Baghdad (*y*).
45	6	29	9	58	3	189	7	20	...	...	...	68	...	·491	...	3·6	...	61	...	...	34·33	...	...	2·61	Beirut.
38	8	235	17	33	24	8	...	...	12·7	12·5	+0·2	74	+1	·792	+·011	4·3	0	2	...	...	1·02	2·97	−1·95	0·71	Aden (*a'*).
...	23	8	98	71	76	5	18	73	15·6	16·9	−1·3	71	−2	·796	−·029	...	...	8	...	...	4·09	1·92	+2·17	1·47	Perim.
48	69	38	9	23	87	75	15	2	6·5	6·7	−0·2	81	−2	·803	−·014	6·8	+0·9	75	...	...	54·07	55·04	−0·97	7·44	Zanzibar.
45	49	2	...	5	12	83	43	18	(*d*) 6·1	...	...	90	...	·816	...	(‡) 2·2	...	56	...	...	(*i*) 41·18	...	...	2·00	„ Dungi (*i*).

(*x*) Wind observations 13 less.
(*l*) „ „ 6 „
(*o*) „ „ 1 „
(*m*) „ „ 25 „
(*a*) „ „ 318 „
(*c*) „ „ 33 „
(*p*) „ „ 2 „
(†) „ „ 8 „

(*w*) Wind observations 4 less.
(*o*) „ „ 11 „
(*s*) „ „ 32 „
(*y*) „ „ 3 „
(*z*) „ „ 109 „
(*k*) Rainfall for November and December only.
(*q*) „ October wanting.

* Un-corrected for scale error.
(*j*) Rainfall for October to December wanting.

‡ Mean of 10 months.
(*f*) „ 4 „
(*g*) „ 10 „
(*l*) „ 9 „
(*d*) „ 8 „
(‡) „ 6 „

(*u*) Wind observations 61 less.
(*t*) „ „ 200 „
(*r*) Rainfall for October and November wanting.
(*v*) „ „ September to November wanting.

Table C.—Abstract of observations taken at 8 hrs. at 32 fourth class stations in India, etc., in the year 1908.

TABLE

Abstract of observations taken at 8 hrs. at 32

Number of sub-division.	Station.	Temperature of air. Mean of 8 hrs. temperature of year.	Mean maximum of year.	Departure from normal of year.	Mean minimum of year.	Departure from normal of year.	Yearly mean of mean between maximum and minimum.	Departure from normal of year.	Mean daily range of temperature.	Highest temperature observed during year.	Lowest temperature observed during year.	Absolute range during year.	Mean monthly absolute range.	Wind Direction. Number of winds from Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	II.—Eastern Bengal and Assam.																					
4	Bishnath	67·3	84·8	...	57·5	...	71·2	...	27·3	98·6	30·6	68·0	38·6	...	...	...	...	...	...	...	...	...
	Borjuli	69·9	86·2	...	62·2	...	74·2	...	24·0	98·3	37·0	61·3	34·4	...	...	...	...	...	...	...	...	...
	Chandkhira	71·6	87·9	...	64·2	...	75·9	...	23·7	100·4	42·1	58·3	37·0	...	...	...	...	...	...	...	...	...
	Doom Dooma	66·6	77·2	...	61·9	...	69·6	...	15·3	96·1	39·0	57·1	27·1	...	...	...	...	...	...	...	...	...
	Dikom	68·0	83·2	...	62·8	...	73·0	...	20·4	98·4	36·8	61·6	33·8	...	...	...	...	...	...	...	...	...
	Golaghat	70·4	83·6	...	64·1	...	73·8	...	19·5	96·4	40·9	55·5	30·8	...	...	...	...	...	...	...	...	...
	Hailakandi	68·7	87·3	...	66·1	...	66·5	...	21·2	100·1	46·8	53·3	32·0	...	...	...	...	...	...	...	...	...
	Jorehat	70·3	84·1	...	64·8	...	74·5	...	19·3	97·1	41·8	55·3	30·4	...	...	...	...	...	...	...	...	...
	Messa	74·1	89·8	...	62·5	...	76·1	...	27·3	100·8	38·8	62·0	37·6	...	...	...	...	...	...	...	...	...
	Panerihat	64·2	84·3	...	62·0	...	73·2	...	22·3	96·1	40·0	56·1	32·7	...	...	...	...	...	...	...	...	...
	Srimangal	72·5	88·2	...	65·0	...	76·6	...	23·2	100·6	41·4	59·2	34·6	...	...	...	...	...	...	...	...	...
5	Brahmanbaria	74·9	87·5	...	67·5	...	77·9	...	20·0	102·9	42·1	60·8	32·6	...	...	...	...	...	...	...	...	...
	Dam Dim	66·8	89·4	...	61·3	...	75·4	...	28·1	101·7	35·9	65·8	39·3	...	...	...	...	...	...	...	...	...
	Goalundo	74·8	88·7	...	65·5	...	77·1	...	23·2	107·6	41·2	66·4	35·3	...	...	...	...	...	...	...	...	...
	Kalchini	74·0	85·3	...	62·4	...	73·9	...	22·9	97·6	39·9	57·7	33·5	...	...	...	...	...	...	...	...	...
	Nagrakata	70·7	86·5	...	64·6	...	75·6	...	21·9	100·1	43·0	57·1	32·6	...	...	...	...	...	...	...	...	...
	Pabna	75·7	90·5	...	66·5	...	78·4	...	24·0	107·8	44·9	62·9	37·4	...	...	...	...	...	...	...	...	...
	III.—Bengal.																					
8	(a) Fraserganj	77·8	...	...	...	...	...	...	...	...	...	...	...	..	137	4	6	4	21	16	24	4
	XI.—Central Provinces.																					
24	(b) Chindwara	70·7	84·4	...	63·8	...	74·1	...	20·6	107·7	36·9	70·8	31·2	...	29	25	6	3	6	15	56	74
	Hill Stations.																					
	Panighatta	74·6	85·1	...	65·6	...	75·5	...	19·5	98·5	35·7	62·8	30·9	...	...	...	...	...	...	...	...	...
	Kurseong	61·0	69·7	...	57·0	...	63·4	...	12·7	83·5	42·0	41·5	23·5	...	...	...	...	...	...	...	...	...
	Poo	...	58·6	...	41·7	...	50·2	...	16·9	87·0	13·6	73·4	34·6	...	...	3	3	35	21	33	1	6
	Kargil	42·0	62·0	...	33·9	...	48·0	...	28·1	98·3	—0·9	99·2	45·8	.	37	51	4	7	8	74	62	101
	Killa Drosh	56·1	72·1	...	(c) 54·1	...	(c) 58·8	...	18·0	105·2	26·0	79·2	39·1	...	.	27	14	11	...	2	6	14
	Pishin	...	76·0	...	45·0	...	60·5	...	31·0	103·6	13·2	90·4	52·7	...	...	...	...	...	...	...	...	...
	Kalat	55·1	72·4	...	38·2	...	55·0	...	34·2	100·2	8·3	91·9	56·8	...	77	...	9	...	267	...	12	...
	Extra India.																					
	(e) Ahwaz	...	88·4	...	57·8	...	72·9	...	30·6	109·1	38·0	71·1	53·7		13	...	...	6	16	...	...	...
	Birjand	57·8	70·7	...	49·1	...	59·9	...	21·6	101·5	10·7	90·8	46·2	75	40	125	19	7	18	1	12	6
	(b) Chumbi	44·4	60·2	...	37·6	...	48·6	...	22·6	72·8	13·4	59·4	34·8	...	...	151	...	...	...	...	...	...
	Kermanshah	57·3	70·3	...	47·5	...	57·7	...	22·8	103·2	16·1	87·1	45·0	...	...	...	...	...	...	...	...	...
	(d) Koweit	...	89·9	...	70·7	...	80·3	...	19·2	116·8	43·1	73·7	38·7	4	8	2	2	7	7	7	38	71
	¶ Maidan	...	100·5	...	(h) 54·6	...	(h) 67·1	...	45·9	131·0	31·9	99·1	(h) 48·6	7	6	...	3	1	6	71	82	7

(b)=Observations of 7 months.
(c)=Mean of 11 months.
(d)=Observations of 5 months.
(e)=Observations of 3 months.
¶ ,, ,, 8 months.
(a) ,, ,, 11 months.

(h) Mean of 3 months.

C.

fourth class stations in India, etc., in the year 1908.

Wind velocity.			Hygrometry, 8 hrs.				Cloud.		Rainfall.							
Mean velocity in miles per hour.	Normal.	Percentage departure from normal.	Mean humidity at 8 hrs. of year.	Departure from normal of year.	Mean vapour tension at 8 hrs. in inches of mercury of year.	Departure from normal in inches of mercury of year.	Mean cloud amount at 8 hrs. of year.	Departure from normal of year.	Number of rainy days during year.	Normal number of rainy days during year.	Departure from normal of year.	Total rainfall for the year.	Normal rainfall for the year.	Departure from normal of year.	Heaviest rainfall during the year.	Station.
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
																II.—Eastern Bengal and Assam.
...	...	...	84	...	·675	...	...	...	106	...	...	78·12	...	...	3·58	Bishnath.
...	...	...	86	...	·674	...	...	...	93	...	...	68·45	...	...	3·70	Borjuli.
...	...	...	88	...	·716	...	...	...	131	...	...	95·97	...	...	4·39	Chandkhira.
...	...	...	94	...	·655	...	...	...	109	...	...	97·48	...	...	4·24	Doom Dooma.
...	...	...	92	...	·657	...	...	...	119	...	...	104·92	...	...	4·98	Dikom.
...	...	...	90	...	·704	...	...	...	99	...	...	59·62	...	...	2·90	Golaghat.
...	...	...	93	...	·677	...	...	...	120	...	...	105·81	...	...	5·10	Hailakandi.
...	...	...	89	...	·686	...	...	...	104	...	...	75·31	...	...	4·00	Jorehat.
...	...	...	79	...	·704	...	...	...	96	...	...	84·06	...	...	5·99	Messa.
...	...	...	92	...	·595	...	...	...	80	...	...	50·74	...	...	3·22	Panerihat.
...	...	...	86	...	·720	...	...	...	113	...	...	84·02	...	...	3·24	Srimangal.
...	...	...	84	...	·752	...	...	...	84	...	...	53·60	...	...	4·53	Brahmanbaria.
...	...	...	90	...	·634	...	...	...	118	...	...	140·00	...	...	4·15	Dam Dim.
...	...	...	80	...	·737	...	...	...	77	...	...	41·32	...	...	3·80	Goalundo.
...	...	...	79	...	·702	...	...	...	97	...	...	126·52	...	...	6·97	Kalchini.
...	...	...	81	...	·644	...	...	...	122	...	...	136·44	...	...	8·00	Nagrakata.
...	...	...	79	...	·740	...	...	...	71	...	...	59·46	...	...	6·34	Pabna.
																III.—Bengal.
...	...	...	82	...	·820	...	...	...	55	...	...	§ 51·86	...	...	7·60	Fraserganj. K.
																XI.—Central Provinces.
(j) 3·4	...	...	73	...	·581	...	...	...	47	...	...	30·54	...	...	2·25	Chindwara.
																Hill Stations.
...	...	...	67	...	·598	...	...	...	105	...	...	119·21	...	...	5·95	Panighatta.
...	...	...	77	...	·433	...	...	...	122	...	...	138·69	...	...	5·94	Kurseong.
...	...	...	...	...	...	...	3·8	...	30	...	...	16·03	18·56	−2·53	3·14	Poo. M.
...	...	...	52	...	·213	...	3·5	...	27	...	...	10·47	...	...	1·20	Kargil. N.
...	...	...	60	...	·292	...	2·4	...	45	...	...	21·04	...	...	2·60	Killa Drosh. O.
...	...	...	...	...	...	...	1·2	...	14	23·20	−9·20	5·18	9·98	−4·80	0·88	Pishin.
...	...	...	53	...	·254	...	0·5	...	16	19·50	−3·50	6·96	5·79	+1·17	0·76	Kalat.
																Extra India.
...	...	...	...	...	...	...	(i) 3·3	...	3	...	...	II 0·65	...	...	0·28	Ahwaz (t).
(g) 9·1	...	...	41	...	·187	...	2·3	...	16	...	...	6·90	...	...	0·68	Birjand. P.
...	...	...	(g) 88	...	(g) ·322	...	...	...	44	...	...	13·91	...	...	0·93	Chumbi. Q.
...	...	...	53	...	·239	...	...	...	36	...	...	15·44 *	...	...	1·30	Kermanshah.
...	...	...	...	...	...	...	1·8	...	3	...	...	1·06 †	...	...	0·31	Koweit. (d) R.
...	...	...	...	...	...	...	0·9	...	7	...	...	2·63	...	...	1·06	Maidan. S.

(t) Wind observations of 35 days.

(a)=Observations of 11 months.
(g)=Mean of 6 months.
* =Total rainfall from 1st August.
† =Total rainfall from 1st May.
§ Total rainfall for July and from 26th to 31st October not included.
II Total rainfall from 1st October.
(i)=Mean of 5 months.
(l)=Mean of 1 month.
(d)=Observations of 5 months.

K=Wind observations of 316 days.
M= " " of 102 days.
N= " " of 344 days.
O= " " of 74 days.
P= " " of 303 days.
Q= " " of 151 days.
R= " " of 147 days. Wind variable 1.
S= " " of 184 days. " " 1.

Addenda sheet of 8 hrs. Observations in Table B of 1907, Monthly Weather Review.

Addenda sheet of 8 hrs. Observations in

Number of sub-division.	Station.	Elevation of bar. cistern above sea-level, in feet.	Pressure, 8 h., 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
	October 1907.																						
	Kerman* ...	...	...	...	...	...	...	...	...	...	49·3	77·6	...	46·7	...	62·2	...	30·9	84·0	26th and 27th.	34·5	23rd	49·5
	November 1907.																						
	Kerman ...	...	...	...	...	...	...	...	...	...	42·9	71·1	...	(a) 40·4	...	(a) 55·8	...	30·7	82·0	7th, 8th and 9th.	29·5	29th	53·5
	December 1907.																						
	Kerman ...	...	...	...	...	...	...	...	...	...	34·9	65·4	...	(b) 33·1	...	(b) 49·2	...	32·3	81·0	20th	20·5	30th	60·5

* Observations of 17 days.
(a) Mean of 28 days.
(b) „ „ 30 „

cccxlix

Table B of 1907, Monthly Weather Review.

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.	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.	Normal rainfall.	Departure from normal.	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
																																October 1907.
...	2	6	1	1	2	3	...	2	N34°E	...	4·8	...	...	24	...	50	...	·175	...	0	...	...	...	...	...	...	...	...	...	...	...	Kerman.
																																November 1907.
...	11	9	..	1	2	3	2	2	N8°E	...	(a) 1·2	...	...	47	...	50	...	·137	...	0	...	...	...	...	...	...	...	...	...	...	...	Kerman.
																																December 1907.
...	18	2	3	1	..	2	3	2	N3°W	...	1·0	...	...	61	...	52	...	·105	...	1·4	...	...	...	...	...	...	...	...	...	...	...	Kerman.

Addenda sheet of 10 hrs. and 16 hrs. observations in Table A of 1908, Monthly Weather Review.

Addenda sheet of 10 hrs. and 16 hrs. observations

Number of sub-division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure. Mean of 10 hrs.	Mean of 16 hrs.	Mean daily range.	Mean of daily mean pressures.	Departure from normal.	Mean reduced to 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
	January 1908.																					
	Diego Garcia§‡ ...	...	29·935	29·853	·082	29·894	...	...	85·0	(a) 77·3	7·7	86·8	74·0	12·8	81·4	82·2	(a) 81·2	...	...	76·7	77·2	...
	February 1908.																					
	Diego Garcia§‡ ...	...	29·885	29·812	·078	29·848	...	...	84·5	(b) 76·2	8·3	86·0	72·0	14·0	80·7	81·4	(b) 80·3	...	...	76·5	77·4	...
	March 1908.																					
	Diego Garcia§‡ ...	...	29·921	29·848	·073	29·884	...	...	85·3	77·6	7·7	87·8	74·0	13·8	81·5	82·7	81·4	...	...	77·2	77·7	...
	April 1908.																					
	Diego Garcia§‡ ...	...	(c) 29·899	(b) 29·820	·079	(b) 29·860	...	...	(b) 86·0	(c) 78·3	7·7	87·1	74·6	12·5	(c) 82·4	(b) 83·2	(b) 82·3	...	...	(c) 77·3	(b) 77·0	...
	May 1908.																					
	Diego Garcia§‡ ...	...	29·954	29·885	·069	29·920	...	...	85·3	77·9	7·4	87·0	74·7	12·3	82·1	82·4	81·6	...	...	76·3	76·4	...

(a) Mean of 30 days. (b) Mean of 26 days. (c) Mean of 28 days.
§ Observations of 9 hrs. and 15 hrs. ‡ Readings uncorrected.

in Table A of 1908, Monthly Weather Review.

Vapour tension in inches of mercury.					Humidity.					Cloud.				Wind Direction.											Wind steadiness.		Wind velocity.		Rainfall.		Station.	Number of sub-divisions.
														Total numbers 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
																															January 1908.	
...	·861	·873	...	...	...	80	79	...	...	4·9	5·1	5·0	...	2	8	...	2	6	5	3	15	21	N66°W	...	45	...	120	...	11·89	4·77	Diego Garcia ...	
																															February 1908.	
...	·861	·891	...	...	...	82	83	...	...	6·8	7·1	7·0	...	...	5	5	1	1	1	8	14	23	N60°W	...	61	...	168	...	19·12	3·06	Diego Garcia ...	
																															March 1908.	
...	·877	·882	...	...	...	81	79	...	...	(a) 5·4	5·4	5·4	...	1	5	3	6	16	1	...	10	20	N25°W	...	16	...	96	...	10·09	3·49	Diego Garcia ...	
																															April 1908.	
...	(c) ·869	(b) ·850	...	...	...	(c) 79	(b) 75	...	...	(c) 4·4	(c) 3·7	4·1	...	3	2	3	15	22	6	2	1	...	S58°E	...	66	...	(d) 120	...	5·53	1·65	Diego Garcia* ...	
																															May 1908.	
...	·833	·829	...	...	...	76	75	...	...	4·1	4·9	4·5	...	...	...	2	6	45	9	...	...	...	S45°E	...	90	...	166	...	7·67	2·09	Diego Garcia ...	

(d) Mean of 27 days. * Wind observations less 6.

Addenda sheet of 8 hrs. observations in Table B of 1908, Monthly Weather Review.

Adddenda sheet of 8 hrs. observations in Table

Number of sub-division.	Station.	Elevation of bar-cistern above sea-level in feet.	Pressure, 8 h., 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 temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	January 1908.																						
	Kerman	...	...	...	...	...	...	...	...	...	36·6	59·9	...	(c) 32·3	...	(c) 46·5	...	27·6	69·0	18th	20·0	11th	49·0
	February 1908.																						
	Kerman	...	...	...	...	...	...	...	...	...	36·6	61·8	...	(a) 30·2	...	(a) 46·2	...	31·6	73·4	24th	13·5	18th	59·9
	March 1908.																						
	Kerman	...	...	...	...	...	...	...	...	...	42·5	64·4	...	35·5	...	50·0	...	28·9	82·3	25th	12·5	7th	69·8
	April 1908.																						
	Kerman	...	...	...	...	...	...	...	...	...	57·9	78·0	...	47·9	...	62·9	...	30·1	89·1	30th	31·4	11th	57·7
	May 1908.																						
	Kerman	...	...	...	...	...	...	...	...	...	68·6	88·1	...	52·0	...	70·1	...	36·1	97·3	24th	38·0	17th	59·3
	June 1908.																						
	Kerman	...	...	...	...	...	...	...	...	...	77·6	97·4	...	60·6	...	79·0	...	36·8	106·3	25th	48·8	18th	57·5
	July 1908.																						
	Kerman	...	...	...	...	...	...	...	...	...	75·5	102·2	...	61·9	...	82·1	...	40·3	[illegible]·8	21st	50·5	1st	59·3
	August 1908.																						
	Kerman	...	...	...	...	...	...	...	...	...	69·5	98·1	...	55·6	...	76·9	...	42·5	105·2	4th	37·6	29th	67·6
	September 1908.																						
	Kerman	...	...	...	...	...	...	...	...	...	57·3	89·1	...	45·8	...	67·5	...	43·3	98·3	27th	37·9	9th	60·4
	Zanzibar Dunga§	154	29·942	...	30·027	29·975	26th	29·925	22nd, 24th & 27th	·050	74·0	82·3	...	72·8	...	77·5	...	9·5	85·0	18th, 20th, & 27th	70·8	15th 19th to 21st & 26th	14·2
	October 1908.																						
	Amini Divi	13	29·912	—·018	29·853	29·993	17th	29·740	24th	·253	82·0	87·7	+2·5	76·5	0	82·1	+1·3	11·2	90·7	18th	71·6	23rd	19·1
	Kerman	...	...	...	...	...	...	...	...	...	51·0	84·0	...	41·5	...	62·8	...	42·5	94·0	4th	32·0	18th	62·0
	November 1908.																						
	Kerman	...	...	...	...	...	...	...	...	...	39·2	73·6	...	32·2	...	52·9	...	41·4	81·3	4th	17·5	24th	63·8
	Amini Divi	13	29·961	0	29·962	30·029	10th	29·802	3rd	·227	81·7	86·7	+1·7	74·4	—1·1	80·6	+0·3	12·3	89·0	1st	68·5	19th	20·5
	December 1908.																						
	Kerman	...	...	...	...	...	...	...	...	...	36·1	61·6	...	29·7	...	45·7	...	31·9	74·3	16th	15·7	22nd	58·6

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

§ Observations of 23 days.

(a) Mean of 28 days.
(b) ,, ,, 30 ,,
(c) ,, ,, 22 ,,
(d) ,, ,, 3 ,,
(e) ,, ,, 21 ,,

B of 1908, Monthly Weather Review.

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.	Percentage departure from normal.	Wind steadiness. Actual percentage.	Departure from normal.	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.	Rainfall.	Normal rainfall.	Departure from normal.	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
																																January 1908. Kerman.
...	11	...	...	1	...	7	8	4	N62°W	...	2·7	...	...	55	...	(a) 64	...	(a) ·144	...	3·2	...	...	...	...	...	...	...	...	...	...	...	February 1908. Kerman.
...	11	1	1	2	2	3	6	3	N41°W	...	4·4	...	...	35	...	60	...	·124	...	1·5	...	...	...	...	...	...	...	...	...	...	...	March 1908. Kerman.
...	14	...	5	1	3	2	4	2	N6°W	...	3·3	...	...	32	...	(b) 57	...	(b) ·173	...	3·5	...	...	...	...	...	...	...	...	...	...	...	April 1908. Kerman.
...	5	...	7	4	4	5	3	1	S31°E	...	3·3	...	...	21	...	38	...	·181	...	1·5	...	...	...	...	...	...	...	...	...	...	...	May 1908. Kerman.
...	10	3	3	1	4	5	2	3	N18°W	...	3·5	...	...	19	...	28	...	·185	...	0·4	...	...	...	...	...	...	...	...	...	...	...	June 1908. Kerman.
...	12	7	1	...	4	3	2	1	N5°E	...	3·9	...	...	40	...	21	...	·195	...	0·7	...	...	...	...	...	...	...	...	...	...	...	July 1908. Kerman.
...	11	3	5	1	3	2	4	2	N6°E	...	2·7	...	...	29	...	25	...	·246	...	0·5	...	...	...	...	...	...	...	...	...	...	...	August 1908. Kerman.
...	16	2	2	...	...	2	3	6	N11°W	...	2·5	...	...	68	...	28	...	·208	...	0	...	...	...	...	...	...	...	...	...	...	...	September 1908. Kerman.
...	12	5	2	1	2	1	2	5	N	...	2·3	...	...	52	...	35	...	·163	...	0	...	...	...	...	...	...	...	...	...	...	...	Zanzibar Dunga.
...	...	...	...	...	6	16	...	...	S33°W	...	(d) 10·5	...	...	91	...	94	...	·787	...	...	...	3	...	...	1·24	...	...	(f) 23·93	...	...	0·55	October 1908.
4	3	9	1	...	1	1	3	9	N12°W	...	...	...	...	47	...	77	−5	·812	−·044	5·2	−0·9	8	...	...	5·98	6·01	−0·03	(g) 57·14	43·74	+13·40	1·59	Amini Devi.
...	14	2	3	3	4	1	2	2	N11°E	...	2·0	...	...	32	...	36	...	·136	...	0·2	...	...	...	...	...	...	...	...	...	...	...	November 1908. Kerman.
...	9	5	10	1	...	2	...	3	N40°E	...	1·2	...	...	57	...	(a) 48	...	(a) ·122	...	0·6	...	...	...	...	...	...	...	...	...	...	...	December 1908. Kerman.
9	7	4	...	...	...	...	1	9	N17°W	...	...	...	...	57	...	70	−8	·754	−·104	3·0	−1·6	0	...	...	0·04	1·58	−1·54	(h) 57·18	45·32	+11·86	0·04	Amini Devi.
...	6	2	9	3	6	3	...	2	S84°E	...	2·1	...	...	29	...	(e) 62	...	(e) ·163	...	2·1	...	...	...	...	...	...	...	...	...	...	...	Kerman.

(f) Total rainfall since 1st May to 30th September 1908.
(g) " " " 1st May to 31st October 1908.
(h) " " " 1st May to 30th November 1908.

Addenda sheet of 8 hrs. observations in Table C. of 1908 Monthly Weather Review.

Addenda sheet of 8 hrs. observations in Tab

Number of sub-division.	Station.	Temperature of air.												
		Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean maximum and minimums	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	January 1908.													
	Kermanshah	41·1	49·5	...	36·1	...	42·3	...	14·4	65·2	17th	20·9	9th	44·3
	February 1908.													
	Kermanshah	40·8	46·1	...	33·0	...	39·6	...	13·1	60·0	23rd	16·1	16th	43·9
	March 1908.													
	Kermanshah	46·3	53·4	...	36·6	...	44·5	...	15·8	64·2	26th	21·5	4th and 5th	42·7
	April 1908.													
	Kermanshah	54·1	66·2	...	43·1	...	54·7	...	23·1	79·4	23rd	32·2	9th and 10th	47·2
	May 1908.													
	Chumbi †	48·7*	59·1*	...	36·6	...	47·9	...	22·5	60·8	4 days	30·4	4 days	30·4
	Kermanshah	59·7	73·9	...	48·4	...	61·2	...	25·5	91·6	17th	39·0	16th	52·6
	June 1908.													
	Kermanshah	71·9	89·6	...	59·7	...	74·6	...	29·9	101·4	30th	54·0	20th	47·4
	July 1908.													
	Fraserganj‡	83·4	...	...	...	...	...	...	...	...	...	...	...	...
	Chumbi	59·8*	68·7*	...	51·0	...	59·9	...	17·7	73·4	21st	43·1	17th	30·3
	Kermanshah	79·5	96·3	...	67·6	...	82·0	...	28·7	103·2	31st	61·4	17th	41·8
	October 1908.	...	...	...	...	...	...	...	...	...	...	...	...	...
	Fraserganj§	83·2	...	...	...	...	...	...	...	...	...	...	...	...
	Kermanshah	57·4	74·3	...	46·4	...	61·3	...	25·9	89·0	1st	40·4	12th	49·6

* Uncorrected for scale error.
† Observations of 22 days.
‡ " " 10 hrs. and 21 days only.
§ Observations of [illegible] days.

C of 1908, Monthly Weather Review.

Winds 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.	Percentage departure from normal.	Wind steadiness. Actual percentage.	Departure from normal.	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.	Actual rainfall.	Normal rainfall.	Departure from normal.	Heaviest rainfall during month.	Station.
16	17	18	19	20	21	22	23	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
																																January 1908.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	74	...	·199	...	...	...	5	...	...	1·50	...	...	(a) 1·50	...	...	0·51	Kermanshah.
																																February 1908.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	58	...	·152	...	...	...	·0	...	...	0·08	...	...	(a) 1·58	...	...	0·08	Kermanshah.
																																March 1908.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	71	...	·233	...	...	...	9	...	...	3·65	...	...	(a) 5·23	...	...	0·72	Kermanshah.
																																April 1908.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	49	...	·207	...	...	...	6	...	...	3·60	...	...	(a) 8·83	...	...	1·05	Kermanshah.
																																May 1908.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	89	...	·305	...	...	...	9	...	...	3·13	...	...	(b) 3·13	...	...	0·93	Chumbi.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	55	...	·284	...	...	...	3	...	...	0·93	...	...	(b) 0·93	...	...	0·37	Kermanshah.
																																June 1908.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	41	...	·319	...	...	...	2	...	...	0·91	...	...	(b) 1·84	...	...	0·65	Kermanshah.
																																July 1908.
...	4	...	...	...	17	...	...	...	S	...	...	...	...	43	...	90	...	1·025	...	...	...	9	...	...	6·51	...	...	(c) 30·06	...	...	2·40	Fraserganj.
...	...	31	...	...	...	...	...	...	N45°E	...	...	...	...	100	...	88	...	·451	...	...	...	13	...	...	4·01	...	...	(d) 7·14	...	...	0·49	Chumbi.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	31	...	·304	...	...	...	0	...	...	0	...	...	(b) 1·84	...	...	0	Kermanshah.
																																October 1908.
10	...	...	...	...	10	...	5	...	W	...	...	...	...	20	...	77	...	·875	...	...	...	5	...	...	4·15	...	...	57·79	...	...	1·70	Fraserganj.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	47	...	·222	...	...	...	1	...	...	0·17	...	...	2·01	...	...	0·17	Kermanshah.

(a) Total rainfall since 1st January 1908.
(b) " " " 1st May "
(c) Total rainfall since 1st May to 31st July 1908.
(d) " " of May and July 1908.

Corrigenda in the India Monthly Weather Reviews for the year 1908.

TEXT.

Page.	Column.	Part.	Correction.
3	1	January 1908 .	*For* " 10th " *read* " 11th " in column 1 of the 2nd tabular statement.
6	1	Ditto .	*For* " + ·036 " *read* " + ·037 " against Burma in the figure column 1 of the first tabular statement.
6	2	Ditto .	*For* "—0·22 " *read* "—·022 " against Lahore in the figure column 4 of the first tabular statement.
9	1	Ditto .	*For* " Meams " *read* " Means " in the 10th line of paragraph 13.
11	...	Ditto .	*For* " 1·8, 0·92, +0·50 and + 119 " *read* " 1·9, 1·02, + 0·60 and + 143 " respectively against Bengal in the figure columns Nos. 1, 3, 5 and 6 of the tabular statement.
11	...	Ditto .	*For* " 2·6, 1·44, +1·18 and +454 " *read* " 2·4, 1·40, +1·14 and + 438 " respectively against Orissa in the figure columns Nos. 1, 3, 5 and 6 of the tabular statement.
11	...	Ditto .	*For* " 1·1, 0·65, + 0·14 and + 27 " *read* " 1·0, 0·60, + 0·09 and +18 respectively against Chota Nagpur in the figure columns Nos. 1, 3, 5 and 6 of the tabular statement.
12	1	Ditto .	*For* " 0·86, + 0·36 and + 72 " *read* " 0·89, + 0·39 and + 78 " respectively against Bengal in the figure columns 1·3 and 4 of the first tabular statement.
12	2	Ditto .	*For* " 0·63, + 0·19 and + 43 " *read* " 0·65, + 0·21 and + 48 " respectively against mean of India in the figure columns Nos. 1, 3, and 4 of the first tabular statement.
17	2	February 1908 .	*For* " Pyheliometer " *read* " Pyrheliometer " in line 3 under " Solar Radiation ".
22	...	Ditto .	*For* " 0·37,—0·49 and—57 " *read* " 0·39,—0·47 and —55 " respectively against Bengal in the figure columns Nos. 3, 5 and 6 of the tabular statement.
22	..	Ditto .	*For* " 1·60, + 0·84 and +111 " *read* " 1·62, + 0·86 and +113 " respectively against Chota Nagpur in the figure columns Nos. 3, 5 and 6 of the tabular statement.
22	...	Ditto .	*For* " 1·61, + 1·06 and + 193 " *read* " 1·59, + 1·04 and + 189 respectively against Bihar in the figure columns Nos. 3, 5 and 6 of the tabular statement.
23	1	Ditto .	*For* " 0·89, + 0·16 and + 22 " *read* " 0·90, + 0·17 and + 23 " respectively against Bengal in the figure columns Nos. 1, 3 and 4 of the 2nd tabular statement.
24	1	Ditto .	*For* " Savaj " *read* " Saraj " in the heading of the 2nd tabular statement.
35	—	March 1908 .	*For* " 0·63,—0·46 and—42 " *read* " 0·62,—0·47 and—43 " respectively against Orissa in the figure columns Nos. 3, 5 and 6 of the tabular statement.
35	...	Ditto .	*For* " 0·17,—0·54 and—76 " *read* " 0·16,—0·55 and—77 " respectively against Chota Nagpur in the figure columns Nos. 3, 5 and 6 of the tabular statement.
35	...	Ditto .	*For* " 0·23,—0·13 and —36 " *read* " 0·22, —0·14 and —39 " respectively against Bihar in the figure columns Nos. 3, 5 and 6 of the tabular statement.
35	...	Ditto .	*For* " ·06 " *read* " 0·06 " against Rajputana East in the figure column 3 of the tabular statement.
46	...	April 1908 .	*For* " 0·4, 0·23, —0·99 and —81 " *read* " 0·5, 0·24, —0·98 and —80 " respectively against Orissa in the figure columns Nos. 1, 3, 5 and 6 of the tabular statement.
55	...	May 1908 .	*For* " 6·8, 4·05, —0·86 and —18 " *read* " 6·7, 3·98, —0·93 and —19 " respectively against Bengal in the figure columns Nos. 1, 3, 5 and 6 of the 2nd tabular statement.
55	...	Ditto .	*For* " 1·93, —1·53 and —44 " *read* " 1·99,—1·47 and —42 " respectively against Orissa in the figure columns Nos. 3, 5 and 6 of the 2nd tabular statement.
55	...	Ditto .	*For* " 4·4, 1·86, —0·44 and — 19 " *read* " 4·3, 1·91, —0·39 and —17 " respectively against Chota Nagpur in the figure columns Nos. 1, 3, 5 and 6 of the 2nd tabular statement.

Corrigenda in the India Monthly Weather Reviews for the year 1908.

TEXT.

Page.	Column.	Part.	Correction.
55	...	May 1908 .	*For* " 2·4, 1·33, —0·89 and —40 " *read* " 2·5, 1·35, —0·87 and —39 " respectively against Bihar in the figure columns Nos. 1, 3, 5 and 6 of the 2nd tabular statement.
56	...	Ditto .	*For* " 3·07 " *read* " 3·67 " against Mysore in the figure column No. 4 of the first tabular statement.
56	...	Ditto .	*For* " 2·53, —0·91 and —26 " *read* " 2·50, —0·94 and —27 " respectively against Bengal in the figure columns Nos. 1, 3 and 4 of the 2nd tabular statement.
66	...	June 1908 .	*For* " 9·7, 8·13, —1·09 and —12," *read* " 10·2, 8·63, —0·59 and —6 " respectively against Chota Nagpur in the figure columns Nos. 1, 3, 5 and 6 of the tabular statement.
66	...	Ditto .	*For* " 5·5, 3·37 and —4·57 " *read* " 5·4, 3·36, and —4·58 " respectively against Bihar in the figure columns Nos. 1, 3 and 5 of the tabular statement.
66	...	Ditto .	*For* " 8·2, 7·80, 5·67, +2·13 and +38 " *read* " 8·1, 7·72, 5·57, +2·15 and +39 " respectively against Berar in the figure columns Nos. 2, 3, 4, 5 and 6 of the tabular statement.
66	...	Ditto .	*For* " 7·0, 8·7, 6·34, 7·26, —0·92 and —13 " *read* " 6·9, 8·6, 6·20, 7·17, —0·97 and —14 " respectively against the Central Provinces West in the figure columns Nos. 1, 2, 3, 4, 5 and 6 of the tabular statement.
66	...	Ditto .	*For* " 9·10 and +0·64 " *read* " 9·13 and +0·67 " respectively against the Central Provinces East in the figure columns Nos. 3 and 5 of the tabular statement.
67	2	Ditto .	*For* " 7·56, 6·87 and +0·69 " *read* " 7·47, 6·81 and +0·66 " respectively against the Central Provinces in the figure columns Nos. 1, 2, and 3 of the tabular statement.
70	1	July 1908 .	*Omit* " 4 " from the 1st line.
70	1	Ditto .	*Insert* " 4 " in the beginning of the 2nd line under the heading of Bombay Observatory.
75	...	Ditto .	*For* " 9·4, 7·37, —5·76 and —44 " *read* " 9·2, 7·28, —5·85 and —45 " respectively against Bihar in the figure columns Nos. 1, 3, 5 and 6 of the tabular statement.
75	...	Ditto .	*For* " 14·7, 12·2, 9·90, 9·35, +0·55 and +6 " *read* " 14·4, 12·0, 9·60, 9·12, +0·48 and 5 " respectively against Berar in the figure columns Nos. 1, 2, 3, 4, 5 and 6 of the tabular statement.
75	...	Ditto .	*For* " 19·9, 15·5, 15·41, 14·71, +0·70 and +5 " *read* " 19·7, 15·3, 16·11, 14·40 +1·71 and + 12 " respectively against the Central Provinces West in the figure columns Nos. 1, 2, 3, 4, 5 and 6 of the tabular statement.
75	...	Ditto .	*For* " 21·5, 18·12, +1·48 and +9 " *read* " 21·9, 18·61, +1·97 and +12 " respectively against the Central Provinces East in the figure columns Nos. 1, 3, 5 and 6 of the tabular statement.
76	...	Ditto .	*For* " 11·54, —1·32 and —10 " *read* " 11·44, —1·42, and —11 " respectively against Bengal in the figure columns Nos. 1, 3 and 4 of the 2nd tabular statement.

Corrigenda in the India Monthly Weather Reviews for the year 1908.

TEXT.

Page.	Column.	Part.	Correction.
76	2	July 1908 . .	*For* " 13·75, 12·94, +0·81 and +6" *read* " 14·01, 12·75, +1·26 and +10 " respectively against the Central Provinces in the figure columns Nos. 1, 2, 3, and 4 of the 2nd tabular statement.
76	2	Ditto . .	*For* " 12·90, 11·15 and +1·75 " *read* " 12·91, 11·13 and +1·78 " respectively against mean of India in the figure columns Nos. 1, 2 and 3 of the 2nd tabular statement.
86	...	August 1908 .	*For* " 14·51, +1·16 and +9 " *read* " 14·45, +1·10 and +8 " respectively against Chota Nagpur in the figure columns Nos. 3, 5 and 6 of the tabular statement.
86	...	Ditto . .	*For* " 8·9, 6·44,—5·59 and —46 " *read* " 8·8, 6·38, —5·65 and —47 " respectively against Behar in the figure columns Nos. 1, 3, 5 and 6 of the tabular statement.
86	...	Ditto . .	*For* " 14·3, 10·3, 9·91, 6·94, +2·97 and +43 " *read* " 14·0, 10·1, 9·64, 6·68, +2·96 and +44 " respectively against Berar in the figure columns Nos. 1, 2, 3, 4, 5 and 6 of the tabular statement.
86	...	Ditto . .	*For* " 15·99, +4·21 and +36 " *read* " 15·96, +4·18 and +35 " respectively against the Central Provinces West in the figure columns Nos. 3, 5 and 6 of the tabular statement.
86	...	Ditto . .	*For* " 22·02, +8·05 and +58 " *read* " 21·94, +7·97 and +57 " respectively against the Central Provinces East in the figure columns Nos. 3, 5 and 6 of the tabular statement.
87	1	Ditto . .	*For* " 10·94, and —1·25 " *read* " 10·92 and —1·27 " respectively against Bengal in the figure columns Nos. 1 and 3 of the 2nd tabular statement.
87	2	Ditto . .	*For* " 14·81, 10·26 and +4·55 " *read* " 14·72, 10·19 and +4·53" respectively against the Central Provinces in the figure columns Nos. 1, 2 and 3 of the 2nd tabular statement.
93	2	September 1908.	*For* " —·009 " *read* " +·009 " against Peshawar in the figure column No. 2 of the 2nd tabular statement.
94	...	Ditto . .	*For* " 58·6, 74·9, 32·5, —1·5 and +0·3 " *read* " 58·5, 74·8, 32·6, —2·0 and +0·8 " respectively against Baluchistan in the figure columns Nos. 2, 3, 4, 7 and 8 of the 2nd tabular statement.
96	1	Ditto .	*For* " 6·75, —2·57 and —28 " *read* " 6·77, —2·55 and —27 " respectively against Bengal in the figure columns Nos. 1, 3, and 4 of the first tabular statement.
96	2	Ditto .	*For* " 9·5, 7·23, 9·77 and —2·54 " *read* " 9·3, 7·18, 9·75 and —2·57 " respectively against Bengal in the figure columns Nos. 1, 3, 4 and 5 of the tabular statement.
96	2	Ditto .	*For* " 7·99, —1 80 and —18 " *read* " 8·09, —1·70 and —17 " respectively against Orissa in the figure columns Nos. 3, 5 and 6 of the tabular statement.
96	2	Ditto .	*For* " 5·91, —3·12 and —35 " *read* " 5·93, —3·10 and —34 " respectively against Bihar in the figure columns Nos. 3, 5 and 6 of the tabular statement.
102	1	October 1908 .	*For* " Radaian " *read* " Radiation " in the first line.
103	2	Ditto .	*For* " +·006 " *read* " +·003 " against Khandwa in the figure column No. 2 of the 2nd tabular statement.
104	2	Ditto .	*For* " 81·2, 46·4, 63·9, 34·8, 58·0, +0·4, —4·2 and +4·6 " *read* " 84·1, 53·9, 69·0, 30·2, 56·9, —0·1, —1·5 and +1·4 " respectively against Baluchistan in the figure columns Nos. 1, 2, 3, 4, 5, 6, 7 and 8 of the tabular statement.
107	1	Ditto .	*For* " 1·08, —2·45, and —69 " *read* " 1·07, —2·46 and —70 " respectively against Bengal in the figure columns Nos. 1, 3 and 4 of the first tabular statement.
107	1	Ditto .	*For* " 0·25, —1·51 and —86 " *read* " 0·28, —1·48 and —84 " respectively against the Central Provinces in the figure columns Nos. 1, 3 and 4 of the 1st tabular statement.

Corrigenda in the India Monthly Weather Reviews for the year 1908.

TEXT.

Page.	Column.	Part.	Correction.
107	2	October 1908 .	*For* " 1·3, 1·08, —1·69 and —61 " *read* " 1·2, 1·04, —1·73 and —62 " respectively against Chota Nagpur in the figure columns Nos. 1, 3, 5 and 6 of the tabular statement.
107	2	Ditto .	*For* " 0·85, —1·74 and —67 " *read* " 0·84, —1·75 and —68 " respectively against Bihar in the figure columns Nos. 3, 5 and 6 of the tabular statement.
107	2	Ditto .	*For* " 0·5, 0·35, —1·35 and —79 " *read* " 0·6, 0·44, —1·26 and —74 " respectively against the Central Provinces West in the figure columns Nos. 1, 3, 5 and 6 of the tabular statement.
111	2	November 1908	*For* " Magnetic Disturbance " *read* " Magnetic Disturbances " as the heading of the 2nd tabular statement, under paragraph 7.
112	2	Ditto . .	*For* " +·010 " *read* " —·010 " against Khandwa in the figure column No. 1 ofthe 2nd tabular statement.
114	...	Ditto . .	*For* " 71·7, 39·1, 55·4, 32·6, 58·3, +1·1, —5·2 and +6·3 " *read* " 74·1, 46·0, 60·1, 28·1 58·0, —0·2, —3·5 and +3·3 " respectively against Baluchistan in the figure columns Nos. 1, 2, 3, 4, 5, 6, 7 and 8 of the first tabular statement.
127	...	December 1908.	*For* " 40·9 " *read* " 0·49 " against North-West Frontier Province in the figure column No. 4 of the first tabular statement.

Corrigenda in the India Monthly Weather Reviews for the year 1908.

TABLES A, B AND C.

Page.	Part.	Table.	Meteorological Province or Station.	Heading.	Column No.	Correction.
iii	January 1908 . .	A	Madras . . .	Rainfall . . .	54	*For* "0·02" *read* "0·01."
iv	Do. . .	A	Pachmarhi . .	Temperature . .	11, 14 and 15	*For* "43·7, 37·1 and 42·5" *read* "43·8, 37·6 and 42·0" respectively.
iv	Do. . .	A	Kodaikanal . .	Do. . .	13 and 15	*For* "70·2 and 27·8" *read* "73·2 and 30·8" respectively.
iv	Do. . .	A	Dodabetta . .	Pressure and Temperature.	7, 9 and 18	*For* "22·076, 22·013 and 52·3" *read* "22·070, 22·007, and 51·6" respectively.
v	Do. . .	A	Muktesar . .	Vapour tension, humidity and rainfall.	24, 29 and 53	*For* "·118, 54 and 3·06" *read* "·119, 55 and 3·04" respectively.
v	Do. . .	A	Pachmarhi . .	Vapour tension and rainfall.	24, 53 and 54	*For* "·209, 0 and 0" *read* "·208, 0·50 and 0·50" respectively.
v	Do. . .	A	Dodabetta . .	Vapour tension and humidity.	27 and 32	*For* "·259 and 67" *read* "·268 and 68" respectively.
ix	Do. . .	B	Tezpur . . .	Rainfall . . .	49	*For* "—0·20" *read* "+0·20."
xi	Do. . .	B	Allahabad . .	Wind direction .	30	*Insert* "1."
xii	Do. . .	B	Jhansi . . .	Elevation and pressure.	3, 5 and 6	*For* "835, +·032 and 30·124?" *read* "824, +·020 and 30·112?" respectively.
xii	Do. . .	B	Pachpadra . .	Pressure . .	4, 5, 6, 7 and 9.	*For* "29·672?, —·027?, 30·034?, 29·845 and 29·299" *read* "29·642, —·057, 30·004, 29·815 and 29·269" respectively.
xiii	Do. . .	B	Delhi . . .	Rainfall . . .	56	*For* "0·53" *read* "1·53."
xiii	Do. . .	B	Montgomery . .	Do. . . .	52	*For* "—0·38" *read* "—0·48."
xiii	Do. . .	B	Bikaner . . .	Do. . . .	56	*For* "0·23" *read* "0·33."
xv	Do. . .	B	Indore . . .	Wind velocity .	36 and 38	*Reject* the readings for all the months from January to December 1908.
xvi	Do. . .	B	Aurangabad . .	Pressure . .	4	*For* "28·174" *read* "28·173."
xvi	Do. . .	B	Nizamabad . .	Do. . . .	6	*For* "30·061" *read* "30·044."
xvi	Do. . .	B	Raichur . . .	Do. . . .	4, 5, 6, 7 and 9.	*For* "28·745, +·032, 30·041, 28·857 and 28·565" *read* "28·740, +·027, 30·036, 28·852 and 28·560" respectively.
xvi	Do. . .	B	Hassan . . .	Do. . . .	5 and 6	*For* "—·027 and 30·054-I" *read* "+·031 and 30·051-I" respectively.
xvi	Do. . .	B	Periyakulam . .	.....	...	*Reject* the figures from all the columns.
xvi	Do. . .	B	Nellore . . .	Elevation . .	3	*For* "61" *read* "66."
xvii	Do. . .	B	Periyakulam . .	.....	...	*Reject* the figures from all the columns, except rainfall.
xviii	Do. . .	B	Column No. . .	Station . . .	2	*Insert* "2."
xviii	Do. . .	B	Gilgit . . .	Do. . . .	2	*For* "Gilghit" *read* "Gilgit."
xviii	Do. . .	B	Quetta . . .	Temperature . .	15 to 19	*For* "20·7, +1·4, 42·6, +2·3 and 23·8" *read* "30·5, +1·2, 42·5, +2·2 and 24·0" respectively.
xviii	Do. . .	B	Kailang . . .	Pressure . .	4 and 6	*For* "20·981 and 20·936" *read* "20·992 and 20·947" respectively.
xviii	Do. . .	B	Sarain . . .	Do. . . .	4, 9 and 11	*For* "23·201, 22·991 and ·445" *read* "23·206, 23·041 and ·295" respectively.
xviii	Do. . .	B	Chakrata . .	Temperature . .	13, 14, 17, 18 and 19.	*For* "56·4, +5·8, 47·4, +4·1 and 17·2" *read* "56·6, +6·0, 47·5, +4·2 and 18·1" respectively.

Corrigenda in the India Monthly Weather Reviews for the year 1908—*contd.*

TABLES A, B AND C—*contd.*

Page.	Part.	Table.	Meteorological Province or Station.	Heading.	Column No.	Correction.
xviii	January 1908 . .	B	Muktesar . .	Temperature . .	15, 17, 19, 22 and 24.	*For* "37·3†, 44·4 †, 14·8, 26·9 and 32·6" *read* "37·4 †, 44·5 †, 14·7, 27·0 and 32·5"; respectively.
xviii	Do. . .	B	Darjeeling . .	Pressure . .	4, 5, 6, 7 and 9.	*For* "23·072, + ·053, 23·027, 23·182 and 22·926" *read* "23·082, + ·063, 23·037, 23·192, and 22·936" respectively.
xviii	Do. . .	B	Pachmarhi . .	Temperature . .	13 to 21 and 24.	*For* "72·1, + 0·8, 44·3, — 3·2, 58·2, — 1·2, 27·8, 78·7, 31st and 41·1" *read* "71·7, + 0·4, 43·8, — 3·7, 57·8, — 1·7, 27·9, 79·6, 10th and 42·0" respectively.
xx	Do. . .	B	Gyantse . . .	Pressure . .	4 and 7 to 11	*Reject* the figures already given.
xx	Do. . .	B	Pharijong . .	Do. . . .	4 and 7 to 11	*Reject* the figures already given.
xx	Do. . .	B	Kabul . . .	Do. . . .	4	*For* "24·371" *read* "24·354."
xx	Do. . .	B	Do. . . .	Do. . . .	6	*Insert* "24·323."
xx	Do. . .	B	Aden . . .	Temperature . .	16	*Insert* "0."
xx	Do. . .	B	Zanzibar . .	Do. . .	22 and 24	*For* "78·8 and 11·0" *read* "78·6 and 11·2" respectively.
xx	Do. . .	B	Column No. . .	.....	24	*For* "4" *read* "24."
xx	Do. . .	B	Ispahan (*b*) . .	Station . . .	2	*Read* "Ispahan (*b*) ‡" and *insert* footnote as "‡ 7 hrs. observations."
xxviii	February 1908 .	A	Bombay . . .	Temperature . .	18 and 19	*For* "76·4 and + 1·6" *read* "75·1 and + 0·3" respectively.
xxviii	Do. . .	A	Leh . . .	Do. . .	16	*For* "24·6" *read* "24·9."
xxx	Do. . .	A	Muktesar . .	Do. . .	11, 12, 14, 15 and 18.	*For* "38·7, 15·2, 29·7, 33·0 and 46·1" *read* "38·9, 15·0, 29·6, 33·1 and 46·4" respectively.
xxxi	Do. . .	A	Do. . . .	Vapour tension and humidity.	24, 27, 29 and 32.	*For* "·105†, ·139, 46† and 48" *read* "·102†, ·138, 45† and 47" respectively.
xxxv	Do. . .	B	Bogra . . .	Rainfall . . .	49	*For* "— 2·48" *read* "+ 2·48."
xxxviii	Do. . .	B	Jhansi . . .	Elevation and pressure.	3, 5 and 6	*For* "835, — ·032? and 29·986?" *read* "824, — ·044?, and 29·974?" respectively.
xviii	Do. . .	B	Pachpadra . .	Pressure . .	4, 5, 6, 7 and 9.	*For* "29·578?, — ·081?, 29·940?, 29·777 and 29·401" *read* "29·548, — ·051, 29·910, 29·747 and 29·371" respectively.
xli	Do. . .	B	Chanda . . .	Hygrometry . .	42	*Insert* "— 7."
xlii	Do. . .	B	Nizamabad . .	Pressure . .	6	*For* "29·959" † *read* "29·922 †".
i	Do. . .	B	Raichur . . .	Pressure . .	4, 5, 6, 7 and 9.	*For* "28·666 I, + ·009?, 29·945-I, 28·819 and 28·585" *read* "28·661 I, + ·004?, 29·940, I 28·814 and 28·580" respectively.
xli	Do. . .	B	Do. . . .	Temperature . .	17	*For* "·794 I" *read* "79·4 I."
xlii	Do. . .	B	Nellore . . .	Elevation . .	3	*For* "61" *read* "66."
iv	Do. . .	B	Dras . . .	Temperature . .	15	*For* "— 13·6" *read* "— 3·6."
xliv	Do. . .	B	Muktesar . .	Do. . .	15, 17, 19, 22 and 24.	*For* "38·0, 46·0, 15·9, 29·4 and 33·1" *read* "38·6, 46·3, 15·3, 29·5 and 33·0" respectively.
xliv	Do. . .	B	Darjeeling . .	Do. . .	13, 14, 17, 18 and 19.	*For* "50·5, + 2·6, 44·0, + 2·2 and 13·1" *read* "50·9, + 3·0, 44·2, + 2·4 and 13·5" respectively.
xliv	Do. . .	B	Do. . .	Pressure . .	4, 5, 6, 7 and 9.	*For* "23·000, + ·015, 22·955, 23·152 and 22·898" *read* "23·010, + ·025, 22·965, 23·162 and 22·908" respectively.

Corrigenda in the India Monthly Weather Reviews for the year 1908—*contd.*

TABLES A, B AND C—*contd.*

Page.	Part.	Table.	Meteorological Province or Station.	Heading.	Column No.	Correction.
xliv	February 1908	B	Pachmarhi	Temperature	13, 14, 17, 18 and 19.	*For* "77·8, + 1·3, 64·1, + 0·6 and 27·5" *read* "77·0, + 1·5, 63·7, + 0·2 and 26·7" respectively.
xlv	Do.	B	Port Blair	Wind velocity	36	*For* "5·5‡‡" *read* "5·3‡‡."
xlvi	Do.	B	Gangtok	Pressure	4	*For* "24·488(e)" *read* "24·484(e)."
xlvi	Do.	B	Bahrein	Temperature	13, 17, 19, 20, 21 and 24.	*Reject* the figures already given.
xlvi	Do.	B	Ispahan (b)	Station	2	*Read* "Ispahan (b) †" and insert footnote as "† 7 hrs. observations."
xlvii	Do.	B	Jask	Wind direction	25	*For* "8" *read* "3."
xlvii	Do.	B	Bahrein	Hygrometry	43	*For* "·034" *read* "·403."
li	Do.	C	Birjand	Wind velocity	27	*For* "22·6 11 11" *read* "9·4 11 11."
lv	March 1908	A	Hyderabad	Rainfall	53 and 54	*For* "0 and 0" *read* "0·22 and 0·12" respectively.
lvi	Do.	A	Chikalda	Temperature wet-bulb.	21	*For* "53·9" *read* "55·9."
lvi	Do.	A	Kodaikanal	Pressure	7	*For* "22·857" *read* "22·859."
lx	Do.	B	Noakhali	Temperature	24	*For* "39·5" *read* "39·4."
lxi	Do.	B	Mandalay	Cloud	45	*Insert* "0."
lxiii	Do.	B	Saugor Island	Wind velocity	38	*For* "— 0·6" *read* "+ 0·6."
lxiii	Do.	B	Balasore	Wind direction	27	*Insert* "1."
lxiii	Do.	B	Chaibassa	Wind velocity	38	*For* "+ ·7" *read* "+ 1·7."
lxiii	Do.	B	Muzaffarpur	Wind steadiness	39	*For* "1" *read* "14."
lxiv	Do.	B	Jhansi	Elevation and pressure.	3, 5 and 6	*For* "835, + ·039 and 29·958" *read* "824, + ·027 and 29·946" respectively.
lxiv	Do.	B	Pachpadra	Pressure	4, 5, 6, 7 and 9.	*For* "29·583, + ·028, 29·937, 29·728 and 29·440" *read* "29·553, — ·002, 29·907, 29·698 and 29·410" respectively.
lxiv	Do.	B	Udaipur	Temperature	15, 17, 19, 22 23 and 24.	*For* "58·3, 73·3, 29·9, 41·3, 11th and 62·2" *read* "58·5, 73·4, 29·7, 43·3, 1st and 60·2" respectively.
lxv	Do.	B	Rawalpindi	Rainfall	54	*Insert* "7·61."
lxvi	Do.	B	Nizamabad	Pressure	6	*For* "29·929 ††" *read* "29·912 ††."
lxvii	Do.	B	Surat	Wind velocity	38	*For* "—2·1" *read* "— 1·6."
xvii	Do.	B	Sutna	Do.	38	*For* "— 2·1" *read* "—2·0."
lxvii	Do.	B	Buldana	Rainfall	52	*For* "— 0·41" *read* "+ 0·41."
lxvii	Do.	B	Nagpur	Wind direction	30 and 31	*Reject* the figures already given.
lxviii	Do.	B	Raichur	Pressure	4, 5, 6, 7 and 9.	*For* "28·644, + ·038, 29·911, 28·741 and 28·562" *read* "28·639, + ·033, 29·906, 28·736 and 28·557 respectively.
lxviii	Do.	B	Madras	Temperature	15 to 19, 22 and 24.	*For* "71·0, — 1·2, 80·5, — 0·7, 18·9, 62·0 and 35·5" *read* "71·2, — 1·0, 80·6, — 0·6, 18·7, 62·5 and 35·0" respectively.
lxviii	Do.	B	Nellore	Elevation	3	*For* "61" *read* "66."

Corrigenda in the India Monthly Weather Reviews for the year 1908—*contd.*

TABLES A, B AND C—*contd.*

Page.	Part.	Table.	Meteorological Province or Station.	Heading.	Column No.	Correction.
lxx	March 1908 . .	B	Chitral . . .	Pressure and temperature.	4, 7, 8, 9, 10, 11, 15, 17, 19, 22, 23 and 24.	*Reject* the figures already given.
lxx	Do. . .	B	Muktesar . .	Temperature . .	15, 17, 19, 22 and 24.	*For* "44·1, 52·8, 17·4, 29·9 and 46·6" *read* "44·2, 52·9, 17·3, 30·0 and 46·5" respectively.
lxx	Do. . .	B	Darjeeling . .	Do. . .	15 to 19 and 22 to 24.	*For* "43·4, + 1·1, 50·7, + 1·3, 14·6, 30·7, 6th and 35·1" *read* "43·8, + 1·5, 50·9, + 1·5, 14·2, 35·2, 2nd and 30·6" respectively.
lxx	Do. . .	B	Do . . .	Pressure . .	4, 5, 6, 7 and 9.	*For* "23·039, + ·034, 22·995, 23·180 and 22·842" *read* "23·049, + ·044, 23·005, 23·190 and 22·852" respectively.
lxx	Do. . .	B	Pachmarhi . .	Temperature . .	15 to 19 and 22 to 24.	*For* "55·8, — 4·6, 69·1, — 3·3, 26·6, 42·1, 13th and 49·1" *read* "56·2, — 4·2, 69·3, — 3·1, 26·2, 42·6, 2nd and 48·6" respectively.
lxxi	Do. . .	B	Simla . . .	Hygrometry . .	44	*For* "·021" *read* "— ·021."
lxxi	Do. . .	B	Darjeeling . .	Wind velocity and rainfall.	38, 50, 52, 53, 55 and 56.	*For* "+ 1·6, 2·66, + 1·11, 4·68, + 1·18 and 1·23" *read* "— 1·6, 2·69, + 1·14, 4·71, + 1·21 and 1·26" respectively.
lxxi	Do. . .	B	Pachmarhi . .	Rainfall . . .	50, 52, 53 and 55.	*For* "2·26, + 1·93, 2·76 and + 0·84" *read* "2·23, + 1·90, 2·73 and + 0·81" respectively.
lxxii	Do. . .	B	Trincomalee . .	Pressure . .	7 and 11	*For* "30·064 and ·169" *read* "30·043 and ·148" respectively.
lxxii	Do. . .	B	Gyantse . . .	Do. . . .	4 and 7 to 11	*Reject* the figures already given.
lxxii	Do. . .	B	Ispahan . . .	Station . . .	2	*Read* "Ispahan (*b*) ‡" and *insert* footnote as "‡ 7 hrs. observations."
lxxx	April 1908 . .	A	Periyakulam . .	Temperature . .	10, 12 and 18	*For* "96·5, 22·6 and 85·2" *read* "96·6, 22·7 and 85·3" respectively.
lxxx	Do. . .	A	Port Blair . .	Elevation . .	3	*For* "61" *read* "58."
lxxxi	Do. . .	A	Udaipur . . .	Vapour tension .	27	*For* "·460" *read* "·458."
lxxxii	Do. . .	A	Pachmarhi . .	Temperature . .	10 and 12	*For* "93·2 and 23·4" *read* "93·3 and 23·5" respectively.
lxxxii	Do. . .	A	Kodaikanal . .	Pressure . .	7	*For* "22·822" *read* "22·826."
lxxxiii	Do. . .	A	Pachmarhi . .	Rainfall . . .	53 and 54	*For* "0·05 and 0·05" *read* "0·58 and 0·53" respectively.
lxxxvii	Do. . .	B	Tezpur . . .	Do. . . .	49	*Insert* "0."
lxxxvii	Do. . .	B	Dinajpur . .	Hygrometry . .	42	*For* "+3" *read* "—3."
xxxviii	Do. . .	B	Gaya . . .	Temperature . .	12	*For* "87·" *read* "87·7."
c	Do. . .	B	Jhansi . . .	Elevation and pressure.	3, 5 and 6	*For* "835, —·018 and 29·747" *read* "824, —·030 and 29·735" respectively.
xc	Do. . .	B	Pachpadra . .	Pressure . .	4, 5, 6, 7 and 9.	*For* "29·404, —·018, 29·743, 29·679 and 29·313" *read* "29·374, —·048, 29·713, 29·649 and 29·283" respectively.
xciii	Do. . .	B	Bhavnagar Para .	Wind velocity .	36	*Insert* "6·2."
xciv	Do. . .	B	Nizamabad . .	Pressure . .	6	*For* "29·771 §" *read* "29·754 §."
xciv	Do. . .	B	Raichur . . .	Do. . . .	4, 5, 6, 7 and 9.	*For* "28·546, 0, 29·789, 28·614 and 28·476" *read* "28·541, —·005, 29·784, 28·609 and 28·471" respectively.

Corrigenda in the India Monthly Weather Reviews for the year 1908—*contd.*

TABLES A, B AND C—*contd.*

Page.	Part.	Table.	Meteorological Province or Station.	Heading.	Column No.	Correction.
xciv	April 1908 . .	B	Periyakulam . .	Temperature . .	13, 17, 19, 20, 21 and 24.	*For* "94·9, 73·0, 21·0, 101·0, 29th and 30·3" *read* "96·3, 85·1, 22·4, 102·0, 30th and 31·3" respectively.
xciv	Do. . .	B	Nellore . . .	Elevation . .	3	*For* "61" *read* "66."
xcv	Do. . .	B	Footnote . .	.....	...	*For* "*Mean of 2 days" *read* "*Mean of 29 days."
xcvi	Do. . .	B	Leh	Temperature . .	13, 14, 17, 18, 19, 20, 21 and 24.	*For* "58·5, +1·4, 45·3, +1·3, 26·5, 70·1, 5th and 46·6" *read* "58·0, +0·9, 45·0, +1·0, 26·0, 66·6, 3 days and 43·1" respectively.
xcvi	Do. . .	B	Kailang . . .	Pressure . . .	11	*For* "3·63" *read* "·363."
xcvi	Do. . .	B	Darjeeling . .	Do. . . .	4, 5, 6, 7 and 9.	*For* "23·007, +·003, 22·962, 23·151, and 22·919" *read* "23·017, +·013, 22·972, 23·161 and 22·929" respectively.
xcvii	Do. . .	B	Port Blair . .	Wind direction .	35	*For* "N2°W" *read* "N82°W."
xcvii	Do. . .	B	Sarain . . .	Rainfall . . .	50 and 53	*For* "4·75 and 9·10" *read* "4·76 and 9·11" respectively.
xcvii	Do. . .	B	Kodaikanal . .	Rainfall . . .	50, 52, 53 and 55.	*For* "3·44, —1·85, 14·96 and —2·14" *read* "3·41, —1·88, 14·93 and —2·17, respectively.
xcviii	Do. . .	B	Ispahan (*b*) . .	Station . . .	2	*Read* "Ispahan (*b*)‡" and *insert* footnote as "‡7 hours observations."
ciii	Do. . .	C	Poo	Rainfall . . .	42	*For* "1·42" *read* "1·72."
cvi	May 1908 . .	A	Hyderabad . .	Pressure . .	4	*For* "·019" *read* "·122."
cvi	Do. . .	A	Pudukkottai . .	Temperature . .	11, 12, 14, 15 and 18.	*For* "80·0, 21·7, 71·0, 35·0 and 90·9" *read* "79·8, 21·9, 70·8, 35·2 and 90·8" respectively.
cvi	Do. . .	A	Madras . . .	Do. . .	19	*For* "+1·4" *read* "+1·3."
cvi	Do. . .	A	Port Blair . .	Elevation and pressure.	3 and 8	*For* "61 and +·004" *read* "53 and 0" respectively.
cvii	Do. . .	A	Hyderabad . .	Rainfall . . .	53 and 54	*For* "0 and 0" *read* "0·15 and 0·15" respectively.
cvii	Do. . .	A	Pudukkottai . .	Vapour tension and humidity.	24, 27, 29 and 32.	*For* "·761, ·718, 75 and 61" *read* "·768, ·720, 76 and 55" respectively.
cviii	Do. . .	A	Muktesar . .	Elevation . .	3	*For* "7,556" *read* "7,592."
cviii	Do. . .	A	Pachmarhi . .	Temperature . .	11, 12, 14 and 15.	*For* "76·9, 19·6, 70·1 and 29·1" *read* "76·5, 20·0, 67·6 and 31·6" respectively.
cix	Do. . .	A	Chakrata . .	Rainfall . . .	53	*For* "1·72" *read* "1·76."
cix	Do. . .	A	Pachmarhi . .	Vapour tension and humidity.	24, 27, 28 and 29.	*For* "·285, ·297, —·066 and 31" *read* "·290, ·299, —·064 and 32" respectively.
cxii	Do. . .	B	Kyaukpyu . .	Pressure . .	4	*For* "29·791‡" *read* "29·797‡."
cxii	Do. . .	B	Thayetmyo . .	Temperature . .	17	*For* "8" *read* "89·0."
cxiii	Do. . .	B	Myitkyina . .	Wind direction .	33	*Reject* the figure already given.
cxv	Do. . .	B	Calcutta . .	Wind velocity .	38	*Insert* "+ 0·9"
cxv	Do. . .	B	Monghyr . .	Wind direction and velocity.	25, 28, 34 and 36.	*For* "1, 19, S 85° E and 9·8" *read* "blank, 20, S 83° E and 9·8" respectively.
cxv	Do. . .	B	Benares . . .	Wind velocity .	38	*Insert* "—1·1."
cxvi	Do. . .	B	Jhansi . . .	Elevation and pressure.	3, 5 and 6	*For* 835, +·009 and 29·650" *read* "824, —·003 and 29·638" respectively.
cxvi	Do. . .	B	Ambala . . .	Temperature . .	18	*For* "—3·2" *read* "—3·3."
cxvi	Do. . .	B	Pachpadra . .	Pressure . .	4, 5, 6, 7 and 9.	*For* "29·344, +·018, 29·678, 29·430 and 29·248" *read* "29·314, —·012, 29·648, 29·400 and 29·218" respectively.

Corrigenda in the India Monthly Weather Reviews for the year 1908—*contd.*

Tables A, B and C—*contd.*

Page.	Part.	Table.	Meteorological Province or Station.	Heading.	Column No.	Correction.
cxviii	May 1908 . .	B	Nizamabad . .	Pressure . .	6	*For* " 29·746 ¶ " *read* " 29·729¶."
cxix	Do. . .	B	Veraval . . .	Wind velocity .	36	*For* "18·7" *read* "13·7."
cxix	Do. . .	B	Column No. . .	Do. . .	36	In column number *for* "86" *read* "36."
cxix	Do. . .	B	Malegaon . .	Hygrometry . .	41	*For* "66" *read* "36·"
cxix	Do. . .	B	Bijapur . . .	Rainfall . . .	50	*For* "0·13" *read* "0·18."
cxx	Do. . .	B	Raichur . . .	Pressure . . .	4, 5, 6, 7 and 9.	*For* "28·530, + ·027, 29·780, 28·599 and 28·462" *read* "28·525, + ·022, 29·775, 28·594 and 28·457" respectively.
cxx	Do. . .	B	Hyderabad . .	Temperature . .	13	*For* "105" *read* "105·0."
cxx	Do. . .	B	Pudukkottai . .	Do. . .	15, 17, 19, 22, 23 and 24.	*For* "79·1, 90·4, 22·6, 70·1, 23rd and 35·9" *read* "79·7, 90·7, 22·0, 70·8, 24th and 35·2" respectively.
cxx	Do. . .	B	Nellore . . .	Elevation . .	3	*For* "61" *read* "66."
cxx	Do. . .	B	Waltair (Vizag) .	Temperature . .	24	*For* "36·5" *read* "26·5."
cxxii	Do. . .	B	Parachinar . .	Pressure . .	4 and 6	*For* "24·331 and 24·298" *read* "24·336‖ and 24·303‖" respectively.
cxxii	Do. . .	B	Muktesar . .	Temperature . .	22 and 24	*For* "43·9 and 39·6" *read* "44·0 and 39·5" respectively.
cxxii	Do. . .	B	Darjeeling . .	Pressure . . .	4, 5, 6, 7 and 9.	*For* "22·993, + ·012, 22·948, 23·101, and 22·917" *read* " 23·003, + ·022, 22·958, 23·111 and 22·927" respectively.
cxxii	Do. . .	B	Pachmarhi . .	Temperature . .	15 to 19	*For* "76·1, + 1·0, 86·2, + 1·1, and 20·1" *read* "76·5, + 1·4, 86·4, + 1·3 and 19·7" respectively.
cxxiv	Do. . .	B	Gyantse . . .	Do. . .	15	*For* "3·4" *read* "33·4."
cxxiv	Do. . .	B	Pharijong . .	Pressure . .	4, 7, 8 and 11	*For* " 17·906, 18·031, 18th and ·228" *read* "17·887*h*, 18·025, 21st and ·222" respectively.
cxxiv	Do. . .	B	Gangtok . .	Do. . .	4	*For* "24·379" *read* "24·381*g*."
cxxiv	Do. . .	B	Kabul . . .	Do. . .	4, 6, 9, 10 and 11.	*For* "24·231, 24·200, 24·134, 10th and ·241" *read* "24·225¶, 24·194¶, 24·154, 28th and ·221" respectively.
cxxiv	Do. . .	B	Footnote . .	.....	...	*Insert* footnote as "*h* mean of 11 days" and " mean of 21 days."
cxxv	Do. . .	B	Amini Divi . .	Rainfall . . .	52	*For* "1·21" *read* "— 1·21."
cxxv	Do. . .	B	Meshed . . .	Do. . . .	47	*For* "0" *read* "6."
cxxv	Do. . .	B	Perim . . .	Wind direction .	30	*For* "11" *read* "14."
cxxxii	June 1908 . .	A	Port Blair . .	Elevation and pressure.	3 and 8	*For* "61 and + ·012" *read* " 58 and + ·008" respectively.
cxxxiv	Do. . .	A	Muktesar . .	Elevation . .	3	*For* "7,556" *read* "7,592."
cxxxvii	Do. . .	B	Central Provinces .	Rainfall . . .	19, 20 and 21	*For* "7·56, 6·87 and + 0·69" *read* "7·47, 6·81 and + 0·66" respectively.
cxxxix	Do. . .	B	Malda . . .	Do. . . .	51	*For* "9·09" *read* "9·89."
cxl	Do. . .	B	Krishnagar . .	Pressure . .	6	*For* "29·530" *read* "29·536."
cxl	Do. . .	B	Raniganj . .	Temperature . .	13 and 17	*For* "95· and 67·0" *read* "95·1 and 87·0" respectively.

Corrigenda in the India Monthly Weather Reviews for the year 1908—*contd.*

TABLES A, B AND C—*contd.*

Page.	Part.	Table.	Meteorological Province or Station.	Heading.	Column No.	Correction.
cxl	June 1908 . .	B	Monghyr . .	Temperature . .	15, 17, 19, 22, 23 and 24.	*For* "79·0, 88·7, 19·3, 65·4, 8th and 42·5" *read* "79·3, 88·8, 19·0, 72·9, 6th and 35·0" respectively.
cxli	Do. . .	B	Krishnagar . .	Rainfall . . .	49	*For* "2·81" *read* "+ 2·81."
cxlii	Do. . .	B	Jhansi . . .	Elevation and pressure.	3, 5 and 6	*For* "835, — ·017 and 29·503*" *read* "824, — ·029 and 29·491*" respectively.
cxlii	Do. . .	B	Ambala . . .	Temperature . .	19	*For* "22·5" *read* "22·4."
cxlii	Do. . .	B	Pachpadra . .	Pressure . . .	4, 5, 6, 7 and 9.	*For* "29·233, + ·040?, 29·564, 29·329 and 29·064" *read* "29·203, + ·010?, 29·534, 29·299 and 29·034" respectively.
cxlvi	Do. . .	B	Nizamabad . .	Do. . . .	6	*For* "29·676?" *read* "29·659."
cxlvi	Do. . .	B	Raichur . . .	Do. . . .	4, 5, 6, 7 and 9.	*For* "28·466, + ·029, 29·772, 28·535 and 28·386" *read* "28·461, + ·024, 29·717, 28·530 and 28·381" respectively.
cxlvi	Do. . .	B	Bangalore . .	Temperature . .	15 to 19, 22 and 24.	*For* "67·1, + 0·3, 77·1, + 1·4, 20·0, 64·8 and 27·5" *read* "66·7, — 0·1, 76·9, + 1·2, 20·4, 64·2 and 28·1" respectively.
cxlvi	Do. . .	B	Nellore . . .	Elevation . .	3	*For* "61" *read* "66."
cxlvii	Do. . .	B	Hanumkonda . .	Rainfall . . .	56	*For* "·44" *read* "1·44."
cxlvii	Do. . .	B	Negapatam . .	Do. . . .	56	*For* "237" *read* "2·57."
cxlviii	Do. . .	B	Car Nicobar . .	Pressure . . .	7	*For* "29·916" *read* "29·946."
cxlviii	Do. . .	B	Darjeeling . .	Do. . . .	4, 5, 6, 7 and 9.	*For* "22·920, —·005, 22·875, 23·027, and 22·797" *read* "22·930, + 005, 22·885, 23·037 and 22·807" respectively.
cxlix	Do. . .	B	Shillong . . .	Rainfall . . .	52	*For* "— 3·61" *read* "— 3·09."
cl	Do. . .	B	Minicoy . . .	Pressure . . .	7	*For* "29·98" *read* "29·983."
cl	Do. . .	B	Gyantse . . .	Do. . . .	4 and 7 to 11	*Reject* the figures already given.
cli	Do. . .	B	Penang . . .	Wind direction .	29	*Insert* "3."
cli	Do. . .	B	Kashgar . . .	Hygrometry . .	42	*Insert* "— 5."
clviii	July 1908 . .	A	Port Blair . .	Pressure . . .	8	*For* "+ ·028" *read* "+ ·024."
clix	Do. . .	A	Udaipur . . .	Rainfall . . .	53	*For* "12·37" *read* "14·34."
clx	Do. . .	A	Muktesar . .	Elevation . .	3	*For* "7,556" *read* "7,592."
clx	Do. . .	A	Dodabetta . .	Temperature wet-bulb.	20 and 23	*For* "46·8 and 49·4" *read* "46·6 and 49·3" respectively.
clxi	Do. . .	A	Do. . .	Vapour tension .	27	*For* "·348" *read* "·345."
clxiii	Do. . .	B	Central Provinces .	Rainfall . . .	19, 20 and 21	*For* "13·75, 12·94 and + 1·81" *read* "14·01, 12·75 and + 1·26" respectively.
clxiv	Do. . .	B	Cox's Bazar . .	Pressure . . .	4	*For* "29·655§" *read* "29·657."
clxv	Do. . .	B	Do. . .	Winds . . .	30, 34, 36 and 39.	*For* "5, S 37° E, 9·4*, and 66" *read* "6, S 35° E, 9·5* and 69" respectively.
clxv	Do. . .	B	Do. . .	Cloud and rainfall .	45, 47, 50 and 53.	*For* "6·9, 23, 41·73 and 75·72" *read* "7·0, 24, 46·37 and 80·36" respectively.
clxvii	Do. . .	B	Dehri . . .	Rainfall . . .		*For* "44" *read* "7·44."
clxviii	Do. . .	B	Jhansi . . .	Elevation and pressure.	3, 5 and 6	*For* "835, + ·006 and 29·536" *read* "824, — ·006 and 29·524" respectively.

Corrigenda in the India Monthly Weather Reviews for the year 1908—*contd.*

TABLES A, B AND C—*contd.*

Page.	Part.	Table.	Meteorological Province or Station.	Heading.	Column No.	Correction.
clxviii	July 1908 . .	B	Peshawar . .	No. of sub-division	1	*For* "1" *read* "15."
clxviii	Do. . .	B	Kurrachee . .	Temperature . .	14, 16 and 18	*For* "— 1·8, — 0·8 and — 1·3" *read* "+ 0·5, + 0·2 and + 0·4" respectively.
clxviii	Do. . .	B	Pachpadra . .	Pressure . . .	4, 5, 6, 7 and 9.	*For* "29·172, + ·012, 29·506, 29·506, 29·243 and 29·114" *read* "29·142, — ·018, 29·476, 29·213 and 29·084" respectively.
clxix	Do. . .	B	Kurrachee . .	Hygrometry .. .	42	*For* "+ 6" *read* "+ 4."
clxxii	Do. . .	B	Nizamabad . .	Pressure . .	6	*For* "29·673 ††" *read* "29·656 ††."
clxxii	Do. . .	B	Raichur . . .	Do. . . .	4, 5, 6, 7 and 9.	*For* "28·467, + ·013, 29·734, 28·577 and 28·398" *read* "28·462, + ·008, 29·729, 28·572 and 28·391" respectively.
clxxii	Do. . .	B	Pudukkottai . .	Temperature . .	15, 17, 19 and 22.	*For* "77·3†, 86·7†, 18·6 and 70·1†" *read* "77·5, 86·7, 18·4 and 70·1" respectively.
clxxii	Do. . .	B	Nellore . . .	Elevation . .	3	*For* "61" *read* "66."
clxxiv	Do. . . .	B	Leh . . .	Temperature .	13, 14, 17 to 21 and 24.	*For* "76·7, — 1·5, 64·5, + 0·1, 24·5, 85·6, 22nd and 42·1" *read* "76·5, —1·7, 64·4, —0·1, 24·3, 81·6, 18th and 38·1" respectively.
clxxiv	Do. . . .	B	Darjeeling . .	Pressure . .	4, 5, 6, 7 and 9.	*For* "22·929, + ·010, 22·884, 22·998 and 22·851" *read* "22·939, + ·020, 22·894, 23·008 and 22·861" respectively.
clxxiv	Do. . . .	B	Ootacamund . .	Temperature .	15, 17, 19, 22, 23 and 24.	*For* 52·0, 56·7, 9·3, 43·7, 15th and 22·8" *read* "52·3, 56·8, 9·0, 49·7, 3 days and 16·8" respectively.
clxxiv	Do. . . .	B	Kodaikanal . .	Do. . . .	13, 17, 19, 20, 21 and 24.	*For* "62·1, 57·2, 9·9, 66·5, 5th and 16·5" *read* "61·9, 57·1, 9·7, 65·5, 3rd and 15·5" respectively.
clxxv	Do. . . .	B	P. V. Fraser .	Wind velocity .	36	*Insert* "12·0".
clxxv	Do. . . .	B	Kodaikanal . .	Rainfall . .	50, 52, 53, 55 and 56.	*For* "5·01, + 1·12, 12·42, — 1·95 and 1·15" *read* "4·89, + 1·00, 12·30, — 2·07 and 1·10 respectively.
clxxvi	Do. . .	B	Gyantse . .	Pressure . .	4 and 7 to 11	*Reject* the figures already given.
clxxvii	Do. . . .	B	Gyantse . .	Rainfall . .	47, 50 and 53	*For* "3, 1·57 and 3·31" *read* "4, 1·92 and 3·66" respectively.
clxxx	Do. . . .	C	Killa Drosh . .	Temperature .	12	*For* "6th to 13th" *read* "6th and 13th".
clxxxiv	August 1908 . .	A	Udaipur . .	Pressure . .	5, 6, 7 and 9	*For* "27·654, ·083, 27·694 and 29·554" *read* "27·657, ·080, 27·695 and 29·555" respectively.
clxxxiv	Do. . . .	A	Port Blair . .	Do. . . .	8	*For* "+ ·002" *read* "— ·002".
clxxxv	Do. . . .	A	Mysore . .	Rainfall . .	53	*For* "2·18" *read* "2·20".
clxxxv	Do. . . .	A	Quetta . .	Humidity . .	33	*For* "—" *read* "— 2".
clxxxvi	Do. . . .	A	Muktesar . .	Elevation . .	3	*For* "7,556" *read* "7,592".
clxxxvi	Do. . . .	A	Ootacamund .	Temperature .	10, 12, 13, 15 and 16.	*For* "61·6, 10·7, 66·3, 19·9 and 55·8" *read* "62·1, 11·2, 66·8, 20·4 and 56·0" respectively.
clxxxix	Do. . . .	B	Central Provinces	Rainfall . .	19, 20 and 21	*For* "14·81, 10·26 and + 4·55" *read* "14·72, 10·19 and + 4·53" respectively.
cxci	Do. . . .	B	Cox's Bazar .	Rainfall . .	53	*For* "91·39" *read* "96·03".
cxcii	Do. . . .	B	Chapra . .	Temperature .	20, 22 and 24	*For* "96·7, 74·9, and 21·8" *read* "97·2, 73·9 and 23·3" respectively.
cxciv	Do. . . .	B	Jhansi . .	Elevation and Pressure.	3, 5 and 6	*For* "835, — ·010 and 29·582" *read* "824, — ·022, and 29·570" respectively.

Corrigenda in the India Monthly Weather Reviews for the year 1908—*contd.*

TABLES A, B AND C—*contd.*

Page.	Part.	Table.	Meteorological Province or Station.	Heading.	Column No.	Correction.
cxciv	August 1908 . .	B	Kurrachee . .	Temperature . .	14, 16 and 18	*For* " − 2·4, − 1·1 and − 1·8 " *read* " + 1·3, + 0·6 and + 1·0 " respectively.
cxciv	Do. . . .	B	Pachpadra . .	Pressure . .	4, 5, 6, 7 and 9	*For* " 29·224, − ·019, 29·560, 29·348 and 29·114 " *read* " 29·194, − ·049, 29·530, 29·318 and 29·084 " respectively.
cxcv	Do. . .	B	Kurrachee . .	Hygrometry . .	42	*For* " + 5 " *read* " + 1. "
cxcvi	Do. . . .	B	Saugor . .	Pressure . .	4, 7 and 9	*For* " 28·828, 28·916 and 28·720 " *read* " 27·828, 27·916 and 27·720 " respectively.
cxcvi	Do. . .	B	Nizamabad . .	Do. . .	6	*For* " 29·697* ? " *read* " 29·680* ? "
cxcviii	Do. . . .	B	Periyakulam .	Temperature .	13, 17, 19, 20, 21 and 24.	*For* " 88·8, 80·1, 17·4, 94·3, 27th and 26·7 " *read* " 95·1, 83·3, 23·7, 93·2, 28th and 30·6 " respectively.
cxcviii	Do. . . .	B	Trichinopoly .	Temperature .	24	*For* " 28·8 " *read* " 28·3 ".
cxcviii	Do. . . .	B	Nellore . .	Elevation . .	3	*For* " 61 " *read* " 66 ".
cc	Do. . . .	B	Quetta . .	Temperature -	15, 16, 18, 19, 22, 23 and 24.	*For* " 65·6, + 4·5, + 3·7, 27·8, 55·8, 27th and 4·13 " *read* " 65·4, + 4·3 + 3·6, 28·0, 52·8, 28th and 44·3 " respectively.
cc	Do. . . .	B	Darjeeling . .	Pressure . .	4, 5, 6, 7 and 9	*For* " 22·970, + ·019, 22·925, 23·049 and 22·909 " *read* " 22·980, + ·029, 22·935, 23·059 and 22·919 " respectively.
cci	Do. . . .	B	Chitral . .	Wind velocity .	36	*For* " 15·0 " *read* " 7·4 ".
ccii	Do. . . .	B	Gyantse . .	Pressure . .	4 and 7 to 11	*Reject* the figures already given.
ccii	Do. . . .	B	Baghdad . .	Pressure . .	5	*For* " − ·009 " *read* " − ·069 ".
ccii	Do. . . .	B	Beirut . .	Pressure . .	6	*For* " 29·734 " *read* " 29·774 ".
cciii	Do. . . .	B	Singapore . .	Wind direction .	28	*For* " 3 " *read* " 2 ".
cciii	Do. . . .	B	Zanzibar . .	Rainfall . .	52	*For* " − 0·70 " *read* " − 0·62 ".
ccvii	Do. . . .	C	Fraserganj . .	Hygrometry . .	32	*For* " 89 (*a*) " *read* " 87 (*a*) ".
ccvii	Do. . . .	C	Chumbi . .	Rainfall . .	44	*Insert* " 8·79 (*h*) and footnote as (*h*) Total rainfall since 1st July 1908 ".
ccx	September 1908 -	A	Port Blair . .	Elevation and Pressure.	3 and 8	*For* " 61 and − ·008 " *read* " 58 and − ·012 " respectively.
ccxi	Do. . . .	A	Port Blair . .	Rainfall . .	53	*For* " 16·07 " *read* " 16·87 ".
ccxii	Do . . .	A	Leh . . .	Pressure . .	4, 6, 7, 8 and 9	*For* " 19·745, ·104, 19·695, + ·012, and 19·663 " *read* " 19·748, ·107, 19·697, + ·014 and 19·665 " respectively.
ccxii	Do. . . .	A	Quetta . . .	Temperature and wet bulb.	11, 12, 18, 19, 22 and 23.	*For* " 49·1 (*c*), 35·5, 66·8 (*c*), − 0·3, 55·8 and 50·7 " *read* " 48·9 (*a*), 35·7, 66·6 (*a*) − 0·5, 55·5 and 50·6 " respectively and *insert* foot note as (*a*) mean of 23 days.
ccxii	Do. . . .	A	Muktesar . .	Elevation . .	3	*For* " 7,556 " *read* " 7,592. "
ccxii	Do. . . .	A	Pachmarhi . .	Pressure and Temperature.	4, 5, 7, 8, 9 and 16.	*For* " 26·378, 26·297, 26·338, 0, 26·285, and 73·4 " *read* " 26·387, 26·306, 26·347, + ·009, 26·294 and 73·1 " respectively.
ccxii	Do. . . .	A	Ootacamund . .	Temperature .	10, 12, 13, 15 and 18.	*For* " 64·7, 13·6, 68·0, 22·2 and 57·5 " *read* " 65·2, 14·1, 68·5, 22·7 and 57·8 " respectively.
ccxii	Do. . . .	A	Mauritius . .	Temperature .	18 and 19	*Insert* " 70·1 and + 0·5 " respectively.

Corrigenda in the India Monthly Weather Reviews for the year 1908—*contd.*

Tables A, B and C—*contd.*

Page.	Part.	Table.	Meteorological Province or Station.	Heading.	Column No.	Correction.
ccxiii	September 1908 .	A	Quetta . . .	Vapour tension and Humidity.	24, 26, 27, 28, 29 and 31.	*For* "·236 (*c*), ·176, ·196, — ·056. 67 (*c*) and 17" *read* "·232 (*a*), ·165, ·191 — ·061, 66 (*a*) and 16" respectively.
ccxiii	Do. . . .	A	Pachmarhi . .	Vapour tension and Rainfall.	25, 27, 28, 30, 32, 33 and 53.	*For* "·635, ·628, — ·011, 78, 83, — 3 and 6·20" *read* "·639, ·629, — ·010, 80, 84, — 2 and 6·27" respectively.
ccxiii	Do. . . .	A	Dodabetta . .	Vapour tension .	27	*For* "·362" *read* "·354".
ccxv	Do. . . .	B	.....	(1) Provincial means, etc.	...	*For* "2,500" *read* "2,700 stations" in line 6.
ccxvii	Do. . . .	B	Cox's Bazar .	Rainfall . .	53	*For* "106·72" *read* "111·36".
ccxx	Do. . . .	B	Jhansi . . .	Elevation and Pressure.	3, 5 and 6	*For* "835, + ·044? and 29·753" *read* "824, + ·032, and 29·741" respectively.
ccxxi	Do. . . .	B	Montgomery . .	Rainfall . .	56	*For* "1·78" *read* "1·76".
ccxxii	Do. . . .	B	Kurrachee . .	Temperature . .	14, 16 and 18	*For* "— 3·1, — 1·3 and — 2·2" *read* "+ 0·3, + 0·1 and + 0·2" respectively.
ccxxii	Do. . . .	B	Pachpadra . .	Pressure . .	4, 5, 6, 7 and 9	*For* "29·418, + ·041, 29·757, 29·537 and 29·279" *read* "29·388, + ·011, 29·727, 29·507, and 29·249" respectively.
ccxxii	Do. . . .	B	Ahmedabad . .	Temperature .	22	*For* "3·2" *read* "73·2".
ccxxiv	Do. . . .	B	Nizamabad . .	Pressure . .	6	*For* "29·765" *read* "29·750."
ccxxv	Do. . . .	B	Amraoti . .	Rainfall . .	47, 49, 50, 52, 53, 55 and 56.	*For* "7, — 0·30, 4·85, — 1·91, 28·74, — 1·29 and 0·85" *read* "15, + 7·70, 11·31, + 5·05, 35·70, + 5·67 and 2·21" respectively.
ccxxv	Do. . . .	B	Hassan . .	Wind direction .	26	*Omit* "1".
ccxxvi	Do. . . .	B	Periyakulam . .	Temperature .	13, 17, 19, 20, 21 and 24.	*For* "86·5, 79·1, 14·9, 93·2, 5th and 26·2" *read* "92·8, 82·2, 21·2, 96·3, 1st and 2nd and 30·3" respectively.
ccxxvi	Do. . . .	B	Nellore . .	Elevation . .	3	*For* "52" *read* "66".
ccxxvi	Do. . . .	B	Port Blair . .	Elevation . .	3	*For* "61" *read* "58".
ccxxvii	Do . . .	B	Periyakulam .	Wind steadiness and rainfall.	39 and 52	*For* "60 and + 0·41" *read* "6 and + 0·44" respectively.
ccxxvii	Do. . . .	B	Port Blair . .	Rainfall . .	50, 52, 53 and 55.	*For* "16·93, — 2·49, 111·87 and + 27·97" *read* "16·87, — 2·55, 112·81 and + 27·91" respectively.
ccxxviii	Do. . . .	B	Srinagar . .	Temperature .	12	*For* "58·3" *read* "58·0".
ccxxviii	Do. . . .	B	Quetta . .	Temperature .	15 to 19	*For* "49·1*h*, — 1·0*h*, 67·2*h*, — 0·6, and 36·2" *read* "48·8*k*, — 2·0*k*, 67·1*k*, — 1·1 and 36·5" respectively.
ccxxviii	Do. . . .	B	Darjeeling . .	Pressure . .	4, 5, 6, 7 and 9	*For* "23·027, —·002, 22·982, 23·085, and 22·939 *read* "23·037, + ·008, 22·992, 23·095 and 22·949" respectively.
ccxxviii	Do. . . .	B	Footnote . .	.....	...	*Insert* footnote as "K Mean of 23 days".
ccxxviii	Do. . . .	B	Para Chinar . .	Temperature .	17	*For* "47·8" *read* "67·8."
ccxxviii	Do. . . .	B	Ootacamund . .	Pressure . .	4	*For* "23·990" *read* "22·990."
ccxxx	Do. . . .	B	Minicoy . .	Do. . .	7	*For* "30·097" *read* "30·007."
ccxxx	Do. . . .	B	Gyantse . .	Do. . .	4 and 7 to 11	*Insert* "18·583, h 18·626, 1st, 18·538, 6th and ·088" respectively.
ccxxx	Do. . . .	B	Gangtok . .	Do. . .	4, 7, 8 and 11	*For* "24·397, 24·497, 24th and ·178" *read* "24·390, (*e*), 24·457, 23rd and ·138" respectively.

Corrigenda in the India Monthly Weather Reviews for the year 1908—*contd.*

TABLES A, B AND C—*contd.*

Page.	Part.	Table.	Meteorological Province or Station.	Heading.	Column No.	Correction.
ccxxx	September 1903 .	B	Kabul . . .	Pressure . .	4 and 6	*For* " 24·211 and 24·180 " *read* "24·214 (e) and 24·183 (e) " respectively.
ccxxx	Do. . .	B	Meshed . .	Temperature . .	13	*For* " 85·0 " *read* "85·3."
ccxxx	Do. . .	B	Zanzibar . .	Do. . .	24	*For* " 13·6 " *read* " 13·1."
ccxxx	Do. . .	B	Foot note . .	.....	...	*Insert* footnote as " *h.* mean of 7 days."
ccxxxi	Do. . .	B	Page No. . .	.....	...	*For* " ccxxx " *read* " ccxxxi " as page No.
ccxxxi	Do. . .	B	Minicoy . .	Rainfall . .	52	*For* " +1·24" *read* " +11·24."
ccxxvviii	October 1908 .	A	Port Blair . .	Pressure . .	8	*For* "—·006 " *read* "—·010."
ccxl	Do. . .	A	Quetta . . .	Temperature .	11, 12, 14, 15, 18 and 19.	*Reject* the figures already given.
ccxl	Do. . .	A	Quetta . . .	Temperature wet bulb.	20 and 23	*Insert* " 34·0 and 43·3 " respectively.
ccxl	Do . . .	A	Muktesar . .	Elevation . .	3	*For* " 7,556 " *read* " 7,592."
ccxl	Do. . .	A	Ootacamund . .	Temperature .	10, 12, 13, 15 and 18.	*For* " 62·9, 2·7, 66·3, 20·6 and 56·6 " *read* " 63·4, 13·2, 66·8, 21·1 and 56·8 " respectively.
ccxli	Do. . .	A	Quetta . . .	Cloud . . .	37	*For* "–6 " *read* " —0·6."
ccxliii	Do. . .	B	Provincial means	etc. . . .	...	*For* " 2,500 " *read* " 2,700 stations " in line 6.
ccxliii	Do. . .	B	Central Provinces	Rainfall . .	19 and 21	*For* " 0·25 and —1·51 " *read* " 0·28 and —1·48 " respectively.
ccxlv	Do. . .	B	Cox's Bazar .	Do. . .	53	*For* " 116·65 " *read* " 121·29."
ccxlvii	Do. . .	B	Sirajganj . .	Wind steadiness .	39	*Insert* " 6."
ccl	Do. . .	B	Jhansi . . .	Elevation and pressure.	3, 5 and 6	*For* " 835, +·037 and 29·893 " *read* " 824,—·005 and 29·881 " respectively.
ccl	Do. . .	B	Kurrachee . .	Temperature . .	14, 16 and 18	*For* " — 6·2 P, + 1·3 and — 2·5 P " *read* " — 1·5, + 0·9 and — 0·3 " respectively.
ccli	Do. . .	B	Do. . .	Hygrometry . .	42	*For* " — 24 P " *read* " — 20."
cclii	Do. . .	B	Pachpadra . .	Pressure . .	4, 5, 6, 7 and 9	*For* " 29·459 P —·013, P 29·835. P 29·578 and 29·303 " *read* " 29·459, —·073, 29·805, 29·548 and 29·278 " respectively.
ccliv	Do. . .	B	Neemuch . .	Do. . .	4	*For* " 29·308 " *read* " 28·308."
ccliv	Do. . .	B	Nizamabad . .	Do. . . .	5 and 6	*For* " + ·010 and 29·893 " *read* " + ·015 and 29·881 " respectively.
ccliv	Do. .	B	Raichur . .	Do. . .	4 to 7 and 9	*For* " 28·586, —·005, 29·851, 28·649 and 28·491 " *read* " 28·581, —·010, 29·846, 28·644 and 28·486" respectively.
cclv	Do. . .	B	Amraoti . .	Rainfall . .	53 and 55	*For* " 28·74 and — 3·62 " *read* " 35·70 and + 3·84" respectively.
cclvi	Do. . .	B	Mysore . . .	Temperature .	15, 16, 19, 22, 23 and 44.	*For* " 67·2, + 0·2, 18·9, 65·0, 2nd, 3rd, 31st and 26·0 " *read* " 67·1, and +0·1, 19·0, 63·5, 1st and 27·5 " respectively.
cclvi	Do. . .	B	Salem . . .	Do. . .	22	*For* " 70·" *read* " 70·4."
cclvi	Do. . .	B	Kurnool . .	Do. . .	20	*For* " 9·" *read* " 95·2."
cclvi	Do. . .	B	Nellore . . .	Elevation . .	3	*For* " 52 " *read* " 66."
cclvii	Do. . .	B	Vellore . . .	Cloud . . .	45	*For* " 5·0 " *read* " 4·9."
cclviii	Do. . .	B	Port Blair . .	Elevation . .	3	*For* " 61 " *read* " 58."

Corrigenda in the India Monthly Weather Reviews for the year 1908—*contd.*

TABLES A, B AND C—*contd.*

Page.	Part.	Table.	Meteorological Province or Station.	Heading.	Column No.	Correction.
cclviii	October 1908	B	Quetta	Temperature	15 to 19 and 22 to 24.	*Reject* the figures already given.
cclviii	Do.	B	Para Chinar	Pressure	4 and 6	*For* "24·439 and 24·406" *read* "24·446 (e) and 24·413 (e)" respectively.
cclviii	Do.	B	Cherat	Do.	4 to 11	*Reject* the figures given.
cclviii	Do.	B	Footnote	.....	...	*Insert* footnote as "(e) mean of 29 days."
cclix	Do.	B	Car Nicobar	Wind velocity	36	*For* "3·3" *read* "2·6 (e)."
cclix	Do.	B	Port Blair	Rainfall	53 and 55	*For* "119·59 and + 22·93" *read* "119·53 and + 22·87" respectively.
cclix	Do.	B	Cherat	Do.	50	*For* "0·3" *read* "0·35."
cclx	Do.	B	Kailang	Pressure	4 and 6	*For* "21·012 and 20·967" *read* "21·015 and 20·970" respectively.
cclx	Do.	B	Darjeeling	Do.	4, 5, 6, 7 and 9	*For* "23·058, —·033, 23·13, 23·151 and 22·949," *read* "23·068, —·023, 23·023, 23·161 and 22·959." respectively.
cclx	Do.	B	Pachmarhi	Temperature	19	*For* "20·9" *read* "21·0."
cclx	Do.	B	Singapore	Do.	13, 17 and 19	*For* "87·7, 81·0 and 13·5" *read* "87·4, 80·8 and 13·2" respectively.
cclx	Do.	B	Gangtok	Pressure	4 and 7 to 11	*For* "24·442, 24·510, 31st, 24·333, 1st and ·177" *read* "24·448, 24·532, 23rd, 24·337, 9th and ·195" respectively.
cclxiii	Do.	B	Bushire	Station	57	*For* "*Bushir*" *read* "*Bushire.*"
cclxvii	Do.	C	Chumbi	Rainfall	44	*Insert* "12·38 *h*" and footnote as "*h* total rainfall since 1st July 1908."
cclxx	November 1908	A	Port Blair	Pressure	8	*For* "+·001" *read* "—·003."
cclxx	Do.	A	Leh	Do.	5 to 9	*For* "19·671, ·098, 19·718, —·020 and 19·686" *read* "19·668, ·101, 19·717, —·021 and 19·685" respectively.
cclxxii	Do.	A	Mauritius	Do.	8	*For* "—0·27" *read* "—·027."
cclxxiii	Do.	A	Seychelles	Cloud	37	*For* "—·5‖" *read* "—0·5‖."
cclxxiii	Do.	A	Mauritius	Do.	36 and 37	*For* "57 and +·2" *read* "5·7 and + 0·2" respectively.
cclxxvi	Do.	B	Minbu	Temperature	16	*For* "—0·0" *read* "0."
cclxxvi	Do.	B	Faridpur	Do.	17	*For* "2·2" *read* "72·2."
cclxxvi	Do.	B	Rangpur	Do.	24	*For* "0·1" *read* "30·1."
cclxxvii	Do.	B	Cox's Bazar	Rainfall	53	*For* "126·92" *read* "131·56."
cclxxviii	Do.	B	Jalpaiguri	Temperature	12	*For* "65·" *read* "65·0."
cclxxviii	Do.	B	Motihari	Elevation, etc.	3	*For* "2·24" *read* "221."
cclxxviii	Do.	B	Motihari	Pressure	4 and 6	*For* "29·908 and 30·004" *read* "29,808, 30·007" respectively.
cclxxix	Do.	B	Bankura	Wind steadiness	39	*Insert* "17."
cclxxx	Do.	B	Jhansi	Elevation and pressure.	3, 5 and 6	*For* "835, +·011 ? and 30·038 ?" *read* "824, —·001 and 30·026" respectively.
cclxxx	Do.	B	Kurrachee	Temperature	14, 16 and 18	*For* "— 4·4, + 3·3 and — 0·6" *read* "—0·7, — 0·7 and — 0·7" respectively.
cclxxx	Do.	B	Pachpadra	Pressure	4, 5, 6, 7 and 9.	*For* "29·573 ?, —·067 ?, 29·926,? 29·780 and 29·417" *read* "29·543, —·097, 29·896, 29·700, and 29·387" respectively.

Corrigenda in the India Monthly Weather Reviews for the year 1908—*contd.*

TABLES A, B AND C—*contd.*

Page.	Part.	Table.	Meteorological Province or Station.	Heading.	Column No.	Correction.
cclxxx	November 1908	B	Jaipur	Station	2	*For* " Jaip " *read* " Jaipur."
cclxxxi	Do.	B	Kurrachee	Hygrometry	42	*For* " + 12 " *read* " + 17."
cclxxxi	Do.	B	Jaipur	Wind direction	27	*For* " 1 " *read* " 4."
cclxxxii	Do.	B	Saugor	Temperature	18	*For* " —1·4 " *read* " + 1·4."
cclxxxiii	Do.	B	Page	No.	...	*For* " cclxxxii " *read* " cclxxxiii."
cclxxxiii	Do.	B	Bhuj	Hygrometry	41	*For* " 5 " *read* " 55."
cclxxxiii	Do.	B	Ahmedabad	Rainfall	52	*For* " —0·40 " *read* " —0·38."
cclxxxiii	Do.	B	Amraoti	Do	53 and 55	*For* " 28·74 and — 4·21 " *read* " 35·70 and + 2·75 " respectively.
cclxxxiv	Do.	B	Nizamabad	Pressure	5 and 6	*For* " + ·020 and 29·991 " *read* " + ·025 and 29·979 " respectively.
cclxxxiv	Do.	B	Raichur	Pressure	4, 5, 6, 7 and 9.	*For* " 28·668, —·014, 29·952, 28·756, and 28·471 " *read* " 28·663, —·019, 29·947, 28·751 and 28·466 " respectively.
cclxxxvi	Do.	B	Port Blair	Elevation	3	*For* " 61 " *read* " 58."
cclxxxvi	Do.	B	Quetta	Temperature.	15 to 19 and 22 to 24.	*Reject* the figures already given.
cclxxxvi	Do.	B	Cherat	Do.	22 and 24	*For* " 40·5 and 31·1 " *read* " 43·5 and 28·1 " respectively.
cclxxxvi	Do.	B	Darjeeling	Pressure	4, 5, 6, 7 and 9	*For* " 23·074, — ·028, 23·029, 23·144 and 22·958 " *read* " 23·084, —·018, 23·039, 23·154 and 22·968 " respectively.
cclxxxvi	Do.	B	Cherra Poonjee	Temperature.	22 and 24	*For* " 45·5 and 25·7 " *read* " 45·3 and 25·9 " respectively.
cclxxxvii	Do.	B	F. V. Fraser	Rainfall	56	*For* " 0·18 " *read* " 0·15."
cclxxxvii	Do.	B	Port Blair	Do.	53 and 55	*For* " 127·78 and + 21·92 " *read* " 127·72 and + 21·86 " respectively.
cclxxxvii	Do.	B	Dras	Do.	51 and 52	*Insert* " 1·14 and —1·12 " respectively.
cclxxxvii	Do.	B	Skardu	Do.	51 and 52	*Insert* " 0·03 and — 0·03 " respectively.
cclxxxvii	Do.	B	Murree	Wind velocity	36 and 38	*Insert* " 5·9 and + 0·2 " respectively.
cclxxxvii	Do.	B	Maymyo	Rainfall	52	*For* " —10·45 " *read* " + 10·45."
cclxxxviii	Do.	B	Gyantse	Pressure	4 and 7 to 11	*Reject* the figures already given.
cclxxxviii	Do.	B	Gartok	Do.	4 and 7 to 11	*Reject* the figures already given.
cclxxxviii	Do.	B	Gartok	Do.	4, 7 and 9	*For* " 17·317 (*f*)" 17·411 and 17·166" *read* " 17·643 (*f*), 17·735 and 17·490 " respectively.
cclxxxviii	Do.	B	Kabul	Do.	4 and 6	*For* " 24·368§ and 24·337§ " *read* " 24·371-[1]., and 24·340-[1]." respectively.
cclxxxviii	Do.	B	Baghdad	Temperature	16	*For* " + [1] " *read* " + 1·9 [1]."
cclxxxviii	Do.	B	Footnote	.....	...	*For* " (*f*) Mean of 7 days " *read* " (*f*) Mean of 17 days."
cclxxxix	Do.	B	Minicoy	Rainfall	56	*For* " 1·54 " *read* " 1·78."
cclxxxix	Do.	B	Bahrein	Wind direction	28, 29 and 31	*For* " 2·5 and 1 " *read* " blank, 2 and 2 " respectively.
cclxxxix	Do.	B	Baghdad	Do.	35	*For* " N. W." *read* " N-5° W."

Corrigenda in the India Monthly Weather Reviews for the year 1908—*concld.*

TABLES A, B AND C—*concld.*

Page.	Part.	Table.	Meteorological Province or Station.	Heading.	Column No.	Correction.
ccxcii	November 1908 .	C	Srimangal . .	Temperature .	11	*For* "9·5" *read* "89·5."
ccxcii	Do. . .	C	Koweit . . .	Do. .	4	*For* "1" *read* "78·1."
ccxcii	Do. . .	C	Maidan . .	Do. .	4	*For* "7" *read* 78·8."
ccxciii	Do. . .	C	Chumbi . .	Rainfall . .	44	*Insert* "12·38 *h*."
ccxciii	Do. . .	C	Kermanshah .	Do. . .	44	*Insert* "4·09."
ccxciii	Do. . .	C	Footnote . .	.....	...	*Insert* footnote as "h total rainfall since 1st July 1908."
cccii	December 1908 .	B	Dibrugarh . .	Pressure . .	4 and 6 to 11	*For* "29·746, 30·086, 29·830, 13th, 29·677, 26th and ·153" *read* "29·767 (*x*), 30·108 (*x*), 29·824, 9th 29·745, 6th and ·079" respectively.
cccii	Do. . .	B	Footnote . .	.....	...	*Insert* "(*x*) Mean of 10 days."
ccciii	Do. . .	B	Dibrugarh . .	Wind velocity .	36	*For* "1·0" *read* "1·0 (*x*)."
ccciv	Do. . .	B	Motihari . .	Elevation and pressure.	3 and 6	*For* "2·24 and 30·099" *read* "221" and "30·096" respectively.
cccvi	Do. . .	B	Jhansi . . .	Elevation and pressure.	3, 5 and 6	*For* "835, + ·037 ? and 30·143 ?" *read* "824, + ·025, + 30·131" respectively.
cccvi	Do. . .	B	Kurrachee . .	Temperature . .	14, 16 and 18	*For* "— 1·5, + 3·6 and + 1·1" *read* "+ 0·1, — 0·7 and — 0·3" respectively.
cccvi	Do. . .	B	Pachpadra . .	Pressure . .	4, 5, 6, 7 and 9	*For* "29·676 ? —·022 ?, 30·045 ? 29·789 and 29·543" *read* "29·646, —·052, 30·015, 29·759 and 29·513" respectively.
cccvii	Do. . .	B	Kurrachee . .	Hygrometry . .	42	*For* "+ 3" *read* "+ 1."
cccix	Do. . .	B	Amraoti . .	Rainfall . .	50, 52, 53, 55 and 56.	*For* "0·90, + 0·33, 0·90, + 0·33 and 0·90" *read* "2·34, + 1·77, 2·34, + 1·77 and 2·34" respectively.
cccx	Do. . .	B	Nizamabad . .	Pressure . . .	5 and 6	*For* "+ ·084 ? and 30·081" *read* "+ ·089 ? and 30·069" respectively.
cccx	Do. . .	B	Raichur . .	Do. . .	4, 5, 6, 7 and 9	*For* "28·726,* —·001,* 30·027,* 28·798 and 28·653" *read* "28·721,* —·006,* 30·022,* 28·793 and 28·648" respectively.
cccxii	Do. . .	B	Darjeeling . .	Do. . .	4, 5, 6, 7 and 9	*For* "23·084, + ·009, 23·039, 23·146, 22·986," *read* "23·094, + ·019, 23·049, 23·156 and 22·996" respectively.
cccxiii	Do. . .	B	Page	No. . . .	...	*For* "cccxii" *read* "cccxiii."
cccxiv	Do. . .	B	Gartok . . .	Pressure . .	4, 7 and 9	*For* "17·179, 17·411 and 17·061" *read* "17·503, 17·735 and 17·385," respectively.
cccxv	Do. . .	B	Tehran . . .	Station . . .	57	*For* "Te rain" *read* "Tehran."

G. C. B. P., Simla.—No. 131 M.E. G. I.—12-10-09.—405.

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.

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

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
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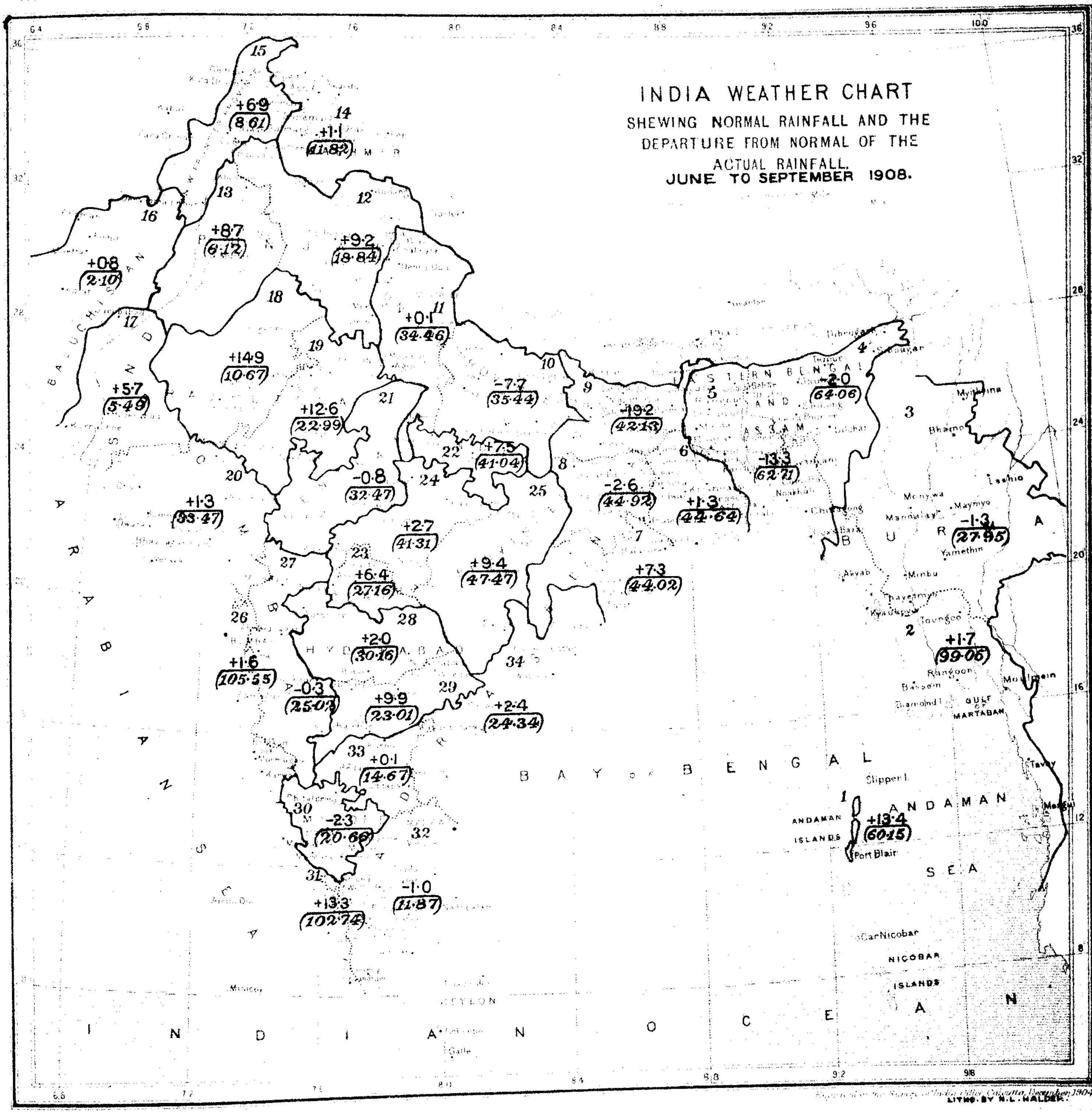

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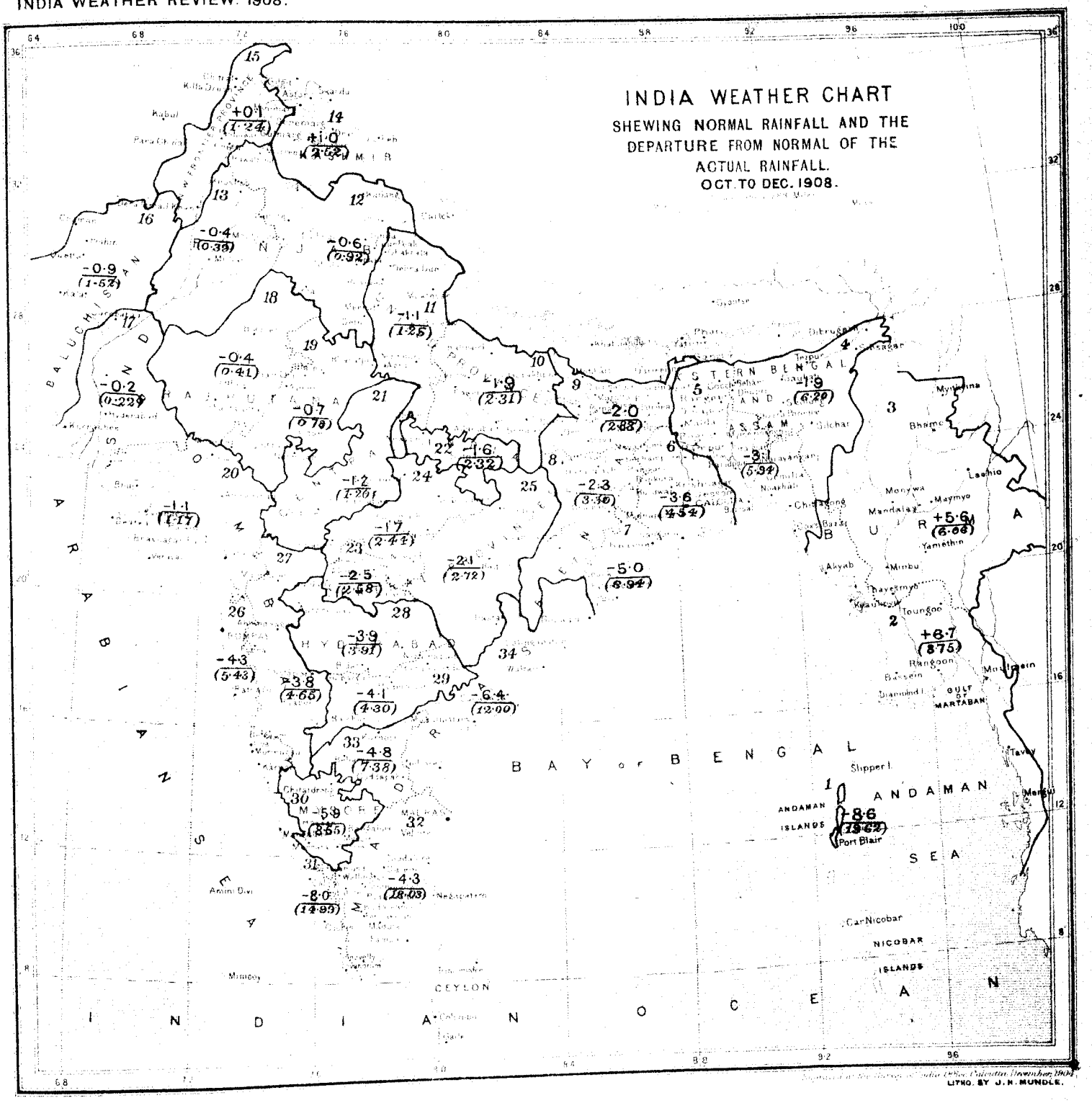

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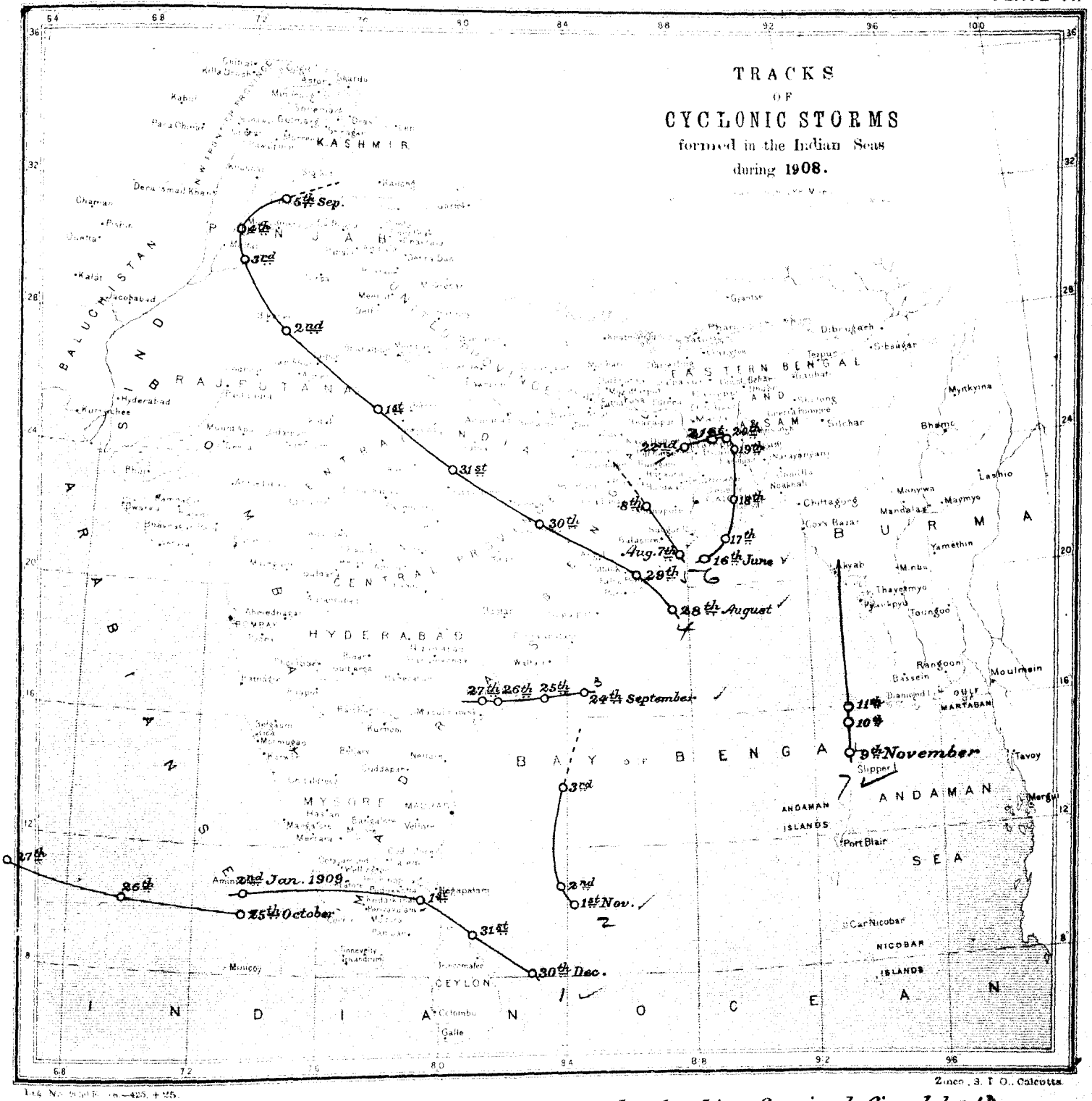

The further track of the storm of October in the Arabian Sea is defined by the following positions which lie outside the boundaries of the map:-

	Lat. N.	Long. E.
28th October	14°-50′	60°-20′
29th "	17°-40′	59°-40′

(*This List of Publications is intended for Permanent Reference, and should be bound up with the Annual Summary*).

Publications of the India Meteorological Department.

(*Complete list, inclusive of those publications which are now out of print.*)

PUBLICATIONS OF THE INDIA METEOROLOGICAL DEPARTMENT.

The following is a list of the more important publications of the India Meteorological Department:—

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The Indian Meteorologist's *Vade Mecum*, Part II (1877) Price Rs. 5*	Ditto.
Instructions to Observers of the India Meteorological Department, 2nd Edition. (1902) . . . . . Price Rs. 3	Sir John Eliot.
Tables for the reduction of Meteorological Observations in India, 2nd Edition. (1889) . . . . . Price Rs. 2	Henry F. Blanford.
Handbook of Cyclonic storms in the Bay of Bengal for the use of sailors, 2nd Edition. Vol. I—Text. (1900) . . Price Rs. 4	Sir John Eliot.
Handbook of Cyclonic storms in the Bay of Bengal for the use of sailors, 2nd Edition, Vol. II—Plates. (1901) . Price Rs. 1-8	Ditto.
Cyclone Memoirs, Part I—Bay of Bengal Cyclone of May 20th to 28th, 1887. (1888) . . . . . Price Re. 1*	Ditto.
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† Copies for June, August and September, 1901, and January to October, 1902, and August and September, 1903, are out of print.
‡ Copies for the years 1876, 1878 to 1881, 1884, 1887 and 1890 are out of print.

Continued on page c of this list.

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* Copies of publications to the price of which an asterisk is appended are out of print.

Continued on page d of this list.

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(Other parts to follow.)	Ditto.	**PERIODICAL PUBLICATIONS OF THE DEPARTMENT.**	
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§ Published continuously about four months after date. Copies for 1891-97, January, 1898-1901, January to May 1902, January to November (June excepted) 1903, and January to March and May, 1904 are out of print.
¶ These prices include postage in India.

G. C. B. P., Simla.—No. 075 M. R. G. I.—29-9-09.—405.—H.C.G.

GOVERNMENT OF INDIA

METEOROLOGICAL DEPARTMENT

MONTHLY WEATHER REVIEW
JANUARY, 1908

CONTENTS.

	Page
Introduction	1
Summary of the chief features of the weather in India during the month of January, 1908	1
Solar, seismic and magnetic disturbances	1
Weather in the Indian monsoon region	3
Depressions and cyclonic storms	4
Pressure	4
Temperature	6
Winds	8
Humidity and cloud	9
Rainfall	10
Snowfall	12
Crop report	14
Table A.—Abstract of observations taken at 10 hrs. and 16 hrs., at 35 stations in India, etc., in January, 1908	i
Table B.—Abstract of observations taken at 8 hrs., at 238 stations in India, etc., in January, 1908	vii
Table C.—Abstract of observations taken at 8 hrs., at 27 fourth class stations in India, etc., in January, 1908	xxiii

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Continued on page iii of this cover.

GOVERNMENT OF INDIA

METEOROLOGICAL DEPARTMENT

MONTHLY WEATHER REVIEW
FEBRUARY, 1908

CONTENTS.

	Page
Introduction	15
Summary of the chief features of the weather in India during the month of February, 1908	15
Solar, seismic and magnetic disturbances	15
Weather in the Indian monsoon region	18
Depressions and cyclonic storms	18
Pressure	18
Temperature	19
Winds	21
Humidity and cloud	21
Rainfall	22
Snowfall	23
Crop report	25
Table A.—Abstract of observations taken at 10 hrs. and 16 hrs., at 35 stations in India, etc., in February, 1908	xxvii
Table B.—Abstract of observations taken at 8 hrs., at 238 stations in India, etc., in February, 1908	xxxiii
Table C.—Abstract of observations taken at 8 hrs., at 27 fourth class stations in India, etc., in February, 1908	xlix

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MONTHLY WEATHER REVIEW

MARCH, 1908

CONTENTS.

	Page
Introduction	27
Summary of the chief features of the weather in India during the month of March, 1908	27
Solar, seismic and magnetic disturbances	27
Weather in the Indian monsoon region	30
Depressions and cyclonic storms	30
Pressure	31
Temperature	31
Winds	33
Humidity and cloud	33
Rainfall	34
Snowfall	36
Crop report	37
Table A.—Abstract of observations taken at 10 hrs. and 16 hrs., at 35 stations in India, etc., in March, 1908	liii
Table B.—Abstract of observations taken at 8 hrs., at 237 stations in India, etc., in March, 1908	lix
Table C.—Abstract of observations taken at 8 hrs., at 27 fourth class stations in India, etc., in March, 1908	lxxv

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APRIL, 1908

CONTENTS.

	Page
Introduction	39
Summary of the chief features of the weather in India during the month of April, 1908	39
Solar, seismic and magnetic disturbances	39
Weather in the Indian monsoon region	41
Depressions and cyclonic storms	42
Pressure	42
Temperature	43
Winds	44
Humidity and cloud	45
Rainfall	45
Snowfall	47
Crop report	48
Table A.—Abstract of observations taken at 10 hrs. and 16 hrs., at 35 stations in India, etc., in April, 1908	lxxix
Table B.—Abstract of observations taken at 8 hrs., at 238 stations in India, etc., in April, 1908	lxxxv
Table C.—Abstract of observations taken at 8 hrs., at 27 fourth class stations in India, etc., in April, 1908	ci

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Continued on page iii of this cover.

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MONTHLY WEATHER REVIEW

MAY, 1908

CONTENTS.

	Page
Introduction	49
Summary of the chief features of the weather in India during the month of May, 1908	49
Solar, seismic and magnetic disturbances	49
Weather in the Indian monsoon region	51
Depressions and cyclonic storms	51
Pressure	52
Temperature	52
Winds	54
Humidity and cloud	54
Rainfall	55
Snowfall	57
Crop report	57
Table A.—Abstract of observations taken at 10 hrs. and 16 hrs., at 36 stations in India, etc., in May, 1908	cv
Table B.—Abstract of observations taken at 8 hrs., at 240 stations in India, etc., in May, 1908	cxi
Table C.—Abstract of observations taken at 8 hrs., at 27 fourth-class stations in India, etc., in May, 1908	cxxvii

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Continued on page iii of this cover.

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JUNE, 1908

CONTENTS.

	Page
Introduction	59
Summary of the chief features of the weather in India during the month of June, 1908	59
Solar, seismic and magnetic disturbances	59
Weather in the Indian monsoon region	61
Depressions and cyclonic storms	61
Pressure	62
Temperature	63
Winds	64
Humidity and cloud	65
Rainfall	65
Snowfall	67
Crop report	68
Table A.—Abstract of observations taken at 10 hrs. and 16 hrs., at 37 stations in India, etc., in June, 1908	cxxxi
Table B.—Abstract of observations taken at 8 hrs., at 239 stations in India, etc., in June, 1908	cxxxvii
Table C.—Abstract of observations taken at 8 hrs., at 28 fourth-class stations in India, etc., in June, 1908	cliii

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Continued on page iii of this cover.

GOVERNMENT OF INDIA

METEOROLOGICAL DEPARTMENT

MONTHLY WEATHER REVIEW

JULY, 1908

CONTENTS.

	Page
Introduction	69
Summary of the chief features of the weather in India during the month of July, 1908	69
Solar, seismic and magnetic disturbances	69
Weather in the Indian monsoon region	71
Depressions and cyclonic storms	71
Pressure	72
Temperature	72
Winds	74
Humidity and cloud	74
Rainfall	74
Snowfall	76
Crop report	76
Table A.—Abstract of observations taken at 10 hrs. and 16 hrs., at 37 stations in India, etc., in July, 1908	clvii
Table B.—Abstract of observations taken at 8 hrs., at 240 stations in India, etc., in July, 1908	clxiii
Table C.—Abstract of observations taken at 8 hrs., at 27 fourth-class stations in India, etc., in July, 1908	clxxix

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Continued on page iii of this cover.

GOVERNMENT OF INDIA

METEOROLOGICAL DEPARTMENT

MONTHLY WEATHER REVIEW

AUGUST, 1908

CONTENTS.

	Page
Introduction	79
Summary of the chief features of the weather in India during the month of August, 1908	79
Solar, seismic and magnetic disturbances	79
Weather in the Indian monsoon region	82
Depressions and cyclonic storms	82
Pressure	82
Temperature	83
Winds	85
Humidity and cloud	85
Rainfall	85
Snowfall	87
Crop report	87
Table A.—Abstract of observations taken at 10 hrs. and 16 hrs., at 37 stations in India, etc., in August, 1908	clxxxiii
Table B.—Abstract of observations taken at 8 hrs., at 240 stations in India, etc., in August, 1908	clxxxi
Table C.—Abstract of observations taken at 8 hrs., at 31 fourth-class stations in India, etc., in August, 1908	

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Continued on page iii of this cover.

GOVERNMENT OF INDIA

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MONTHLY WEATHER REVIEW

SEPTEMBER, 1908.

CONTENTS.

	Page.
Introduction	89
Summary of the chief features of the weather in India during the month of September, 1908	89
Solar, seismic and magnetic disturbances	89
Weather in the Indian monsoon region	92
Depressions and cyclonic storms	92
Pressure	93
Temperature	94
Winds	95
Humidity and cloud	95
Rainfall	95
Snowfall	97
Crop report	97
Table A.—Abstract of observations taken at 10 hrs. and 16 hrs., at 36 stations in India, etc., in September, 1908.	ccix.
Table B.—Abstract of observations taken at 8 hrs., at 238 stations in India, etc., in September, 1908.	ccxv.
Table C.—Abstract of observations taken at 8 hrs., at 31 fourth class stations in India, etc., in September, 1908.	ccxxxiii.

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Continued on page iii of this cover.

GOVERNMENT OF INDIA

METEOROLOGICAL DEPARTMENT.

MONTHLY WEATHER REVIEW

OCTOBER, 1908.

CONTENTS.

	Page.
Introduction	99
Summary of the chief features of the weather in India during the month of October, 1908.	99
Solar, seismic and magnetic disturbances	99
Weather in the Indian monsoon region	102
Depressions and cyclonic storms	102
Pressure	103
Temperature	103
Winds	105
Humidity and cloud	105
Rainfall	106
Snowfall	108
Crop report	108
Table A.—Abstract of observations taken at 10 hrs. and 16 hrs., at 36 stations in India, etc., in October, 1908.	ccxxxvii.
Table B.—Abstract of observations taken at 8 hrs., at 235 stations in India, etc., in October, 1908	ccxliii.
Table C.—Abstract of observations taken at 8 hrs., at 30 fourth class stations in India, etc., in October, 1908	cclxv.

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Continued on page iii of this cover.

GOVERNMENT OF INDIA

METEOROLOGICAL DEPARTMENT

MONTHLY WEATHER REVIEW NOVEMBER, 1908

CONTENTS.

	Page
Introduction	109
Summary of the chief features of the weather in India during the month of November, 1908	109
Solar, seismic and magnetic disturbances	109
Weather in the Indian monsoon region	112
Depressions and cyclonic storms	112
Pressure	112
Temperature	113
Winds	114
Humidity and cloud	115
Rainfall	115
Snowfall	117
Crop report	117
Table A.—Abstract of observations taken at 10 hrs. and 16 hrs., at 36 stations in India, etc., in November, 1908	cclxix
Table B.—Abstract of observations taken at 8 hrs., at 236 stations in India, etc., in November, 1908	cclxxv
Table C.—Abstract of observations taken at 8 hrs., at 32 fourth-class stations in India, etc., in November, 1908	ccxci

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Continued on page iii of this cover.

GOVERNMENT OF INDIA

METEOROLOGICAL DEPARTMENT

MONTHLY WEATHER REVIEW DECEMBER, 1908

CONTENTS.

	Page
Introduction	119
Summary of the chief features of the weather in India during the month of December, 1908	119
Solar, seismic and magnetic disturbances	119
Weather in the Indian monsoon region	122
Depressions and cyclonic storms	122
Pressure	122
Temperature	123
Winds	125
Humidity and cloud	125
Rainfall	126
Snowfall	127
Crop report	128
Table A.—Abstract of observations taken at 10 hrs. and 16 hrs., at 36 stations in India, etc., in December, 1908	ccxcv
Table B.—Abstract of observations taken at 8 hrs., at 239 stations in India, etc., in Deeember, 1908	ccci
Table C.—Abstract of observations taken at 8 hrs., at 32 fourth-class stations in India, etc., in December, 1908	cccxvii

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Continued on page iii of this cover.

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INDIA WEATHER REVIEW.

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CONTENTS:

	Page.
Introduction	131
Solar, Magnetic and Seismic Activity	132
Solar Radiation	133
Nocturnal Radiation	140
Temperature of the Ground	141
Temperature	142
Atmospheric Pressure	155
Storms	163
Winds	164
Humidity	168
Cloud	178
Snowfall	184
Rainfall	186
Table A.—Abstract of Observations taken at 10 hrs., and 16 hrs., at 37 stations in India, Burma, etc., in the year 1908	cccxxi
Table B.—Abstract of Observations taken at 8 hrs., at 243 stations in India, Burma, etc., in the year 1908	cccxxvii
Table C.—Abstract of Observations taken at 8 hrs., at 32 fourth-class stations in India, etc., in the year 1908	cccxliii
Addenda Sheet	cccxlvii
Corrigenda in India Monthly Weather Reviews for the year 1908	ccclxiii
Plates I—VI	...
Publications of the Department	*a* to *d*.

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