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GOVERNMENT OF INDIA.

METEOROLOGICAL DEPARTMENT.

INDIA WEATHER REVIEW.
ANNUAL SUMMARY, 1907.

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DIRECTOR GENERAL OF OBSERVATORIES.

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ANNUAL SUMMARY, 1907.

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 has 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 have recently authorised the adoption of the following single system of division which may now be considered as standardised :—

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, South-west.
	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, South-east.
	Madras, Deccan.
	Madras Coast, North.

The new system of division is illustrated in Plate I at the end of this Annual Summary.

With regard to the main tables of numerical data at the end of this issue, it is necessary to point out that a deviation from previous practice has been adopted and is henceforward to be followed. Hitherto two tables only have been published, numbered I and II, Table I containing data of 3rd class, and Table II those of 2nd and 1st class stations. These are now interchanged and named Tables A and B, and a third table, Table C, is added which contains the data, temperature and rainfall chiefly, from 4th class stations.

In the present issue, additional tables, Tables 17, 41, 79, 80, 95, 108 and 109 are given arranged as in previous years; these, considered in conjunction with the tables prepared upon the new basis, provide the necessary means for connecting corresponding data on the two bases of arrangement, and thus of comparing past years with future ones.

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 first five months of the year were favourable for solar observations. September and December were also favourable, but the remaining five months were distinctly unfavourable. There were only thirteen days in the year on which no observations were possible. The following table shows for each month the observations that were made :—

A = Spots Observed. B = Spot Spectra. C = Prominences. D = Photoheliograms. E = Spectroheliograms.

TABLE 1.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
A	30	28	31	30	31	29	29	30	30	29	27	28	352
B	26	27	18	11	7	4	4	4	10	6	4	8	129
C	27	28	31	29	31	22	22	18	27	24	18	28	305
D	29	28	31	30	31	25	28	30	27	29	23	28	339
E	*	28	31	28	31	24	23	25	30	29	23	28	300

* Siderostat had been dismantled for the erection of a new sliding roof.

Sunspots.—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 . .	30	32	28	33	18	17	20	22	36	30	18	17	301
Daily number .	5·9	7·1	5·3	5·3	3·1	2·7	3·1	4·3	6·0	4·9	4·0	3·7	4·6
North . . .	25	17	16	10	8	6	8	8	18	17	7	5	145
South . . .	5	15	12	23	10	11	12	14	18	13	11	12	156

The total number of new groups seen during the year was 301 against 297 last year. On no day was the sun's surface observed to be free from spots. There were seventeen days on which only one group was visible. Ten groups or more were visible on five days.

The distribution of the groups between the two hemispheres was more nearly equal this year than during the preceding years. For seven months there were more spots in the southern than in the northern hemisphere.

The mean daily number of groups varied from 2·7 in June to 7·1 in February and the average for the year was 4·6. The mean latitude of the spots was 10°·9 in the northern hemisphere and 12°·4 in the southern. There were four groups within 1° and four other groups within 2° of the equator.

Prominences.—The general activity of the two hemispheres for all classes of prominences, as compared with the previous year, may be inferred from the following table :—

Mean daily profile areas of Prominences.

	1906.	1907.
North	2·51 square minutes.	1·92 square minutes.
South	2·17 " "	2·27 " "
Total	4·68 " "	4·19 " "

It is seen from the above that the general reduction of activity in 1907 is confined to the northern hemisphere, the southern showing a slight increase. In the latitude distribution a remarkable difference is shown between the two hemispheres, which are usually more or less symmetrical as regards the latitudes of the zones of maxima and minima. From the beginning of the year the northern polar prominences, which were strongly represented during 1906, practically ceased to exist, whilst the south polar region still continued active, the whole region between −45° and the south pole producing a very considerable number of large prominences. The region

from latitude — 10° to — 45° has been the most prolific, however, in this hemisphere; but no clearly marked zones of maxima are shown. In the north, on the other hand, two well-defined maxima occur in the zones + 25° to + 30° and + 50° to + 55°.

Metallic prominences were of frequent occurrence, 111 having been recorded. Of these, 54 were confined to the northern spot zone, and had a mean latitude of + 15°·7, 50 were confined to the southern spot zone, with a mean latitude of — 15°·6, the remaining 7 were distributed in longitude in a narrow zone entirely outside the spot regions, the mean latitude being — 72°. The only metallic elements observed in these high latitude prominences were Na, Mg, and Fe, whilst some of the prominences in spot-latitudes gave, in addition, the lines of Ba and Ca, together with a considerable number of unidentified lines, probably including Ni, Mn, Cr, and Ti.

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:—

Easterly declination	...	...	1° 3′·8
Horizontal force	...	...	0·36862 C.G.S. unit
Vertical force	...	...	0·15843 „ „
Inclination (calculated)	...	...	23°15′·5
Inclination (observed twice a week)	...	...	23°14′·5

During the year there were 122 calm days; 211 days of small, 29 days of moderate and 3 days of great disturbance; the same for the year 1906 were 134, 213, 17 and 1 respectively. The largest disturbance during the year was recorded between February 9^d 19^h and 10^d 10^h. The disturbance commenced at about $19{\cdot}1^h$ with a small sudden rise of force followed by a gradual fall equivalent to about 271^γ., till the minimum was attained at about $0{\cdot}7^h$, about 5½ hours after the commencement. Normal conditions were attained at about 10 hrs. of the following day.

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

TABLE 3.

Months.	Selected quiet days.				
January 1907	3	4	19	21	29
February „	4	5	6	19	27
March „	5	9	18	23	27
April „	2	9	10	24	30
May „	2	8	9	27	30
June „	2	3	16	27	29
July „	13	14	16	17	20
August „	6	7	12	27	28
September „	3	9	14	23	24
October „	5	7	18	19	31
November „	1	5	18	20	30
December „	3	9	17	22	24

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 4.

1907	MONTH.											
Date.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	1	1	1	0	0	1	1	2	1	2	0	0
2	1	1	1	0	0	0	1	1	0	1	1	0
3	0	1	0	0	1	0	1	1	0	1	1	0
4	0	0	1	0	1	1	1	1	1	0	1	1
5	2	0	0	1	1	0	1	1	1	0	0	1
6	1	0	1	1	1	1	1	0	1	0	1	1
7	1	2	1	1	1	1	1	0	1	0	1	1
8	2	2	1	0	0	0	1	1	0	1	1	1
9	2	2	0	0	0	1	1	1	0	1	1	0
10	1	2	2	0	1	1	1	1	2	0	1	0
11	2	2	1	1	1	1	2	1	1	1	1	1
12	1	2	2	1	1	1	1	0	1	0	1	1
13	1	1	1	1	1	1	0	0	1	2	0	1
14	1	2	0	1	1	0	0	1	0	2	0	0
15	2	1	0	1	1	0	0	1	0	2	1	0
16	1	1	0	1	1	0	0	1	1	1	1	0
17	1	1	0	1	1	0	0	1	2	1	0	0
18	1	1	0	1	1	1	0	1	1	0	0	0
19	0	0	1	1	1	2	0	1	1	0	0	0
20	1	1	0	0	1	1	0	1	1	1	0	1
21	0	1	1	0	1	1	0	1	1	1	2	0
22	1	1	2	0	1	2	1	1	0	2	2	0

TABLE 4—*concld.*

1907.	MONTH.											
Date.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
23	1	1	1	1	0	1	0	1	0	1	1	0
24	1	1	0	0	1	1	0	1	0	1	0	0
25	1	1	1	0	1	1	2	1	1	1	0	0
26	1	1	0	1	0	0	1	1	1	1	1	1
27	1	0	0	1	0	1	1	0	1	2	1	1
28	1	1	1	1	1	1	1	0	1	1	1	1
29	0	...	1	1	2	0	1	0	1	1	0	0
30	1	...	0	0	0	1	0	2	1	1	0	1
31	1	...	0	...	1	...	1	1	...	0	...	0
M	31	30	20	17	24	22	21	26	23	28	20	13

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

Table 5 gives the corrected monthly mean absolute values of the several magnetic elements as also the summed ranges of the horizontal force. In Table 6 will be found a list of seismic disturbances and in Table 7 movements in the magnetograph traces suspected to be due to seismic causes indicating sudden strain.

TABLE 5.—*Monthly values of magnetic elements.*

Months, 1907.	ABSOLUTE VALUES OF					Horizontal force summed ranges (smoothed).
	Horizontal force in C. G. S unit.	Vertical force in C. G. S. unit.	Inclination.	Easterly declination.	Horizontal force summed ranges.	
1	2	3	4	5	6	7
			° ′	° ′ ″		
January	0·36861	0·15797	23 11·9	1 4 39	·00266	·00300
February	·36842	·15806	13·2	1 4 52	·00335	·00299
March	·36863	·15812	13·0	1 4 34	·00384	·00305
April	·36869	·15829	14·2	1 4 7	·00413	·00310
May	·36866	·15837	14·9	1 3 59	·00304	·00315
June	·36871	·15839	14·9	1 3 26	·00349	·00323
July	·36866	·15849	15·8	1 3 26	·00294	·00326
August	·36868	·15844	15·4	1 3 35	·00311	·00323
September	·36859	·15858	16·8	1 3 22	·00358	·00318
October	·36853	·15871	18·0	1 3 24	·00307	·00314
November	·36861	·15876	18·1	1 3 9	·00319	·00313
December	·36868	·15900	19·7	1 3 0	·00279	·00314

As referred to in the last year's report, figures in column 7 of smoothed summed ranges show that the second maximum in the diffused conditions of the maximum of 1905-1907 was reached in July 1907.

TABLE 6.—*Disturbances recorded by Milne's Seismograph at Colaba.*

Date 1907.	P. T. Commencement.		Max.		End.		Max. amplitude.	Duration.		REMARKS.
	H.	M.	H.	M.	H.	M.	M.M.	H.	M.	
January 1	0	54·5	1	4·9	1	49·0	0·6	0	54·5	
" 2	12	23·6	13	14·0	...*		1·8	...*		*End lost in shifting time.
" 4	5	25·5	...*		8	44·5	...*	3	19·0	*As the traces overlap max. amplitude cannot be found.
" 8	5	48·2	6	20·1	7	7·2	0·5	1	19·0	
" 12	8	38·6	8	47·2	9	8·9	0·4	0	30·3	
" 19	13	42·8	13	45·3	14	6·4	0·5	0	23·6	
February 9	4	48·9	4	50·6	5	4·8	0·5	0	15·9	
" 24	7	53·4	8	2·5	8	33·2	0·5	0	39·8	
March 29	20	54·6	21	15·8	21	51·1	1·0	0	56·5	
" 31	22	19·6	22	29·3	23	22·4	1·2	1	2·8	
April 15	6	28·6	7	43·5	9	11·4	7·0	2	42·8	
" 18	21	15·9	21	30·3	22	54·7	3·5	1	38·8	
" 19	0	8·5	0	24·9	1	32·4	3·0	1	23·9	
" 26	19	17·2	19	27·1	19	37·3	0·3	0	20·1	
May 4	8	49·3	9	17·7	9	33·1	0·5	0	43·8	
" 7	10	46·1	10	50·1	...*		0·5	...*		*End lost in tremors.
" 25	12	6·4	12	23·5	13	11·0	0·5	1	4·6	
" "	14	20·4	14	37·4	15	12·3	0·9	0	51·9	
June 1	9	57·1	10	15·0	11	0·6	1·2	1	3·5	
" 5	4	32·6	5		5	37·6	1·0	1	5·0	
" 10	19	2·5	19	33·3	19	58·3	0·7	0	55·8	
" 25	18	1·7	18	16·9	19	7·2	1·3	1	5·5	
July 9	19	11·8	19	33·5	20	1·8	0·8	0	50·0	
" 12	17	22·0	17	24·0	17	36·5	1·0	0	14·5	
" 20	13	54·9	14	16·1	14	34·2	2·0	0	39·3	
" 29	19	47·0	20	3·1	20	24·4	0·4	0	37·4	
August 5	7	55·9	8	1·6	8	20·4	0·5	0	24·5	
" 17	17	43·6	18	16·5	18	46·6	0·5	1	3·0	
September 2	16	24·3	16	48·1	...*		7·3	...*		*End cannot be determined.
" "	...*		18	34·5	19	31·5	1·5	...*		*Beginning cannot be determined.
October 4	10	41·1	10	51·7	11	35·5	2·1	0	54·4	
" 11	14	52·1	15	23·4	...		0·9	...		*End lost in shifting time.
" 16	14	58·8	...*		16	14·5	...*	1	15·7	*Maximum lost in shifting time.
" 21	4	22·6	...*		6	58·3	...*	2	35·7	*As the traces overlap max. amplitude cannot be determined.
" 27	5	24·8	5	30·2	5	59·2	3·1	0	34·4	
November 16	22	29·3	22	35·1	22	50·8	0·4	0	21·5	
" 21	20	8·8	20	18·7	21	17·2	6·8	1	8·4	
" 23	6	19·4	6	22·3	6	33·4	0·5	0	14·0	
" 24	14	16·4	14	29·2	14	59·3	0·4	0	42·9	
December 5	12	53·5	12	59·8	13	19·3	0·3	0	25·8	
" 30	6	49·1*	7	0·3	7	39·3	2·2	0	50·2	*Beginning uncertain as it is mixed up with tremors.

All times given above denote G. M. T.

TABLE 7.—*List of movements in the magnetograph traces suspected to be due to seismic causes.*

Date 1907.	Hour.	Duration in hours.	Date 1907.	Hour.	Duration in hours.
January 8	17	6	June 3	23	13
March 10	5	13	July 28	0	6

N. A. F. MOOS,
Director,
Bombay and Alibag 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 1907 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 1907 are given in Tables 8 and 9 and the mean comparative data for the past eighteen years in Table 10.

TABLE 8.—*Average excess of mean monthly and annual maximum insolation over the corresponding maximum shade temperatures.*

STATION.	Years of observations used.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October	November.	December.	YEAR.
		°	°	°	°	°	°	°	°	°	°	°	°	°
Srinagar	1902-07	33·3	41·0	45·2	51·4	52·6	53·6	53·2	49·3	44·4	42·1	38·0	31·8	44·7
Simla	1890-07	61·5	64·4	66·5	68·7	67·9	62·6	49·7	48·1	60·5	70·1	68·1	64·0	62·7
Lahore	Do.	47·8	53·4	55·4	56·4	52·6	49·9	51·7	54·2	52·8	51·6	49·4	46·7	51·8
Jodhpur	1897-07	52·5	54·9	56·7	56·7	54·2	53·3	56·1	56·5	55·8	53·1	51·5	50·4	54·3
Allahabad	1890-07	57·5	58·1	58·5	57·6	56·5	56·8	57·0	56·9	58·9	56·0	56·8	57·2	57·3
Calcutta (Alipore)	Do.	51·3	52·8	53·4	53·7	53·7	52·1	53·2	54·8	55·4	54·4	52·1	51·4	53·2
Bombay	Do.	49·8	50·9	50·2	50·4	50·6	46·0	42·0	45·3	48·8	49·8	49·7	49·4	48·6
Leh	Do.	65·8	73·4	72·5	71·4	68·4	66·4	64·7	65·1	65·5	66·4	64·9	62·7	67·3
Ootacamund	1903-07	70·9	72·2	72·9	71·8	69·9	63·3	62·7	66·7	72·2	69·6	69·9	69·0	69·3
Aden	1890-02	51·5	52·6	51·8	48·0	45·6	41·1	42·0	44·9	49·6	52·4	50·6	50·2	48·4

TABLE 9.—*Departures from the averages of Table 8 of mean monthly and annual excess of sun over shade temperatures in 1907.*

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	3	−5·4	−6·4	−4·6	−3·6	+0·8	−0·3	−3·1	−6·5	−0·9	−4·8	−4·6	−3·5	−3·6
Simla	3	+8·9	−8·9	−6·4	−5·1	−1·0	+4·2	+8·5	−2·2	+11·8	+1·6	+3·5	+7·9	+1·9
Lahore	22	−3·4	−5·9	−4·2	−4·0	−2·3	−0·7	−1·6	−1·8	−5·8	−4·7	−4·9	−3·5	−3·6
Jodhpur	10	−2·4	−1·8	−0·1	−0·2	+0·1	+1·6	−1·3	−1·2	−0·4	+0·1	+0·2	+0·6	−0·4
Allahabad	5	−1·9	−0·2	+0·5	+3·0	+2·7	+2·8	+3·2	+1·7	−2·3	−0·6	+0·4	+1·7	+0·9
Calcutta (Alipore).	5	−2·7	−2·5	−1·9	+0·4	−3·2	−4·8	−2·6	0	−0·4	−2·2	−2·2	−2·8	−2·1
Bombay	22	−4·2	−2·8	−3·6	−6·5	−4·1	−3·7	−5·6	−8·2	−1·6	−2·8	−1·6	−0·4	−3·8
Leh	12	−1·4	−3·5	−1·2	−5·6	−0·5	−1·1	−0·6	−3·3	−0·9	−2·3	−5·4	−4·6	−2·5
Ootacamund	2	−6·2	−6·3	−5·0	−4·8	−5·7	−0·9	−10·9	−15·9	−4·7	−6·0	−6·1	−4·7	−6·4

TABLE 10.—*Departures from normal of the annual mean excess of sun over shade temperature for each year of the period 1890-1907.*

STATION.	1890.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.	1903.	1904.	1905.	1906.	1907.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
Srinagar	?	?	?	?	?	?	?	?	?	?	?	?	−1·8	−0·4	+2·1	−3·1	−2·4	−3·6
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
Jodhpur	?	?	?	?	?	?	?	+1·7	+0·5	−0·9	−0·6	−0·5	−0·3	−0·3	−0·5	−0·7	−0·2	−0·4
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
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
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
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
Ootacamund	?	?	?	?	?	?	?	?	?	?	?	?	?	?	−0·5	?	?	−6·4
Aden	+4·0	+4·8	+3·7	+0·9	+0·2	+0·5	−2·5	−4·7	−4·5	−0·9	−2·3	+0·7	?	?	?	?	?	?

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 II.

1907.	Intensity in gramme-calories per sq. cm. per min.			Number of days of observation.
	Maximum.	Minimum.	Mean.	
January . . .	1·57	1·41	1·49	10
February . . .	.....	.....	1·53	1
March	1·57	1·45	1·52	3
April	1·55	1·47	1·51	2
May	.....	.....	1·42	1
June	1·39	1·22	1·33	8
July	1·29	1·23	1·26	2
August . . .	.....	.....	.....	0
September . . .	.....	.....	.....	0
October . . .	1·49	1·48	1·49	2
November . . .	1·60	1·38	1·46	18
December . . .	1·58	1·34	1·43	15

Nocturnal Radiation

It was stated in the Annual Report of 1890 that the observations of the terrestrial radiation thermometers in India were nearly as unsatisfactory as those of the solar radiation thermometers. Observations of these instruments were recorded during the year 1907 at the following stations :—

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

The following table, TABLE 12, gives the average data of past years for the above stations; TABLE 13 the departures from the normal; and TABLE 14 the mean annual departure data for the past eighteen years.

TABLE 12.—*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	9—14	7·7	8·3	9·2	8·6	9·2	9·3	9·0	8·6	12·0	11·6	11·3	11·2	9·7
Simla	17	4·1	3·3	3·4	5·5	4·1	3·5	2·8	2·1	2·3	4·4	4·5	4·3	3·8
Lahore	30-31	9·5	9·1	8·5	9·1	8·7	6·1	3·9	4·1	6·4	9·6	10·5	9·9	8·0
Jodhpur	10—12	9·1	8·7	8·2	7·8	4·9	2·3	1·7	1·9	4·5	9·7	10·7	9·9	6·6
Allahabad	30—31	11·0	11·4	12·5	12·3	9·0	5·1	3·1	2·6	4·2	9·2	12·4	12·3	8·8
Calcutta (Alipore)	30—31	7·7	7·1	5·9	4·5	3·0	2·1	1·8	1·9	2·5	4·5	6·7	8·1	4·7
Bombay	32	9·8	9·2	8·1	6·5	4·6	2·8	2·1	2·4	3·1	6·4	9·6	10·4	6·3
Leh	23—25	9·8	9·1	10·5	11·1	10·9	11·3	9·8	10·5	11·6	14·8	14·9	11·7	11·3
Ootacamund	4—5	5·6	5·6	4·8	4·4	3·7	2·3	2·0	2·5	2·5	3·1	3·4	5·2	3·8

TABLE 13.—*Departures from the averages of Table 12 of mean monthly and annual depression of nocturnal radiation temperatures in 1907.*

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

TABLE 14.—*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.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
Srinagar	P	P	P	P	P	P	P	P	P	P	P	P	+1·2	0	—1·4	0	+4·4	+1·6
Simla	+0·1	—0·1	+1·0	—0·3	—0·7	P	—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
Jodhpur	P	P	P	P	P	P	P	+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
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
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
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	P	—1·0	P	—2·7	—4·2
Ootacamund	P	P	P	P	P	P	P	P	P	P	P	P	P	P	+0·1	+0·4	—0·4	+0·5

Temperature of the ground.

Observations of the temperature of the surface of the ground were recorded during the year 1907 at six stations, Lahore, Jaipur, Dehra Dun, Allahabad, Calcutta (Alipore) and Bombay; and of the temperature underground 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. Ll. 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 15.—*Departures from normal of the mean monthly and annual temperatures of the air and of the ground in 1907.*

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

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 Monthly Weather Review for January 1907.

The departures from normal of the mean temperature of each month given in Table A of the monthly 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 16.

The mean departures given in Table 17 of the Geographical Summary are derived from the departure data of Table A of the Monthly Weather Reviews of the year 1907.

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 1907 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).

Normal monthly mean maxima and minima temperatures of 94 stations, calculated from the observations of the eleven years' period, 1878—1888, were given in the Annual Summary for 1891. The data for the years 1889—1893 were given in the 1894 Annual Summary, Tables I and II.

The additional data for the years 1894—1899 have been utilized to obtain what are probably slightly more accurate means than those published in the Annual Summary for 1894.

Tables 17 to 23 give summaries of the temperature departure data for each month of the year 1907 and for the year. In the first table (Table 17) the same division has been adopted as that employed in the Annual Reports from 1881 to 1890. This enables a comparison to be made of the temperature data of the year 1907 with those of previous years given in the Annual Reports. In the second set of tables [Tables 18, 19, and 20] the departure data are given for the fourteen chief political divisions, and in the last three tables (Tables 21 to 23) the data are given for the 34 sub-divisions:—

TABLE. 16.—*Departure from normal of monthly and annual mean air temperatures in 1907.*

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

TABLE 16.—*Departure from normal of monthly and annual mean air temperatures in 1907*—concld.

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

TABLE 17.—*Geographical summary of the temperature departure data of Table A in the Monthly Weather Reviews of 1907.*

METEOROLOGICAL AREA.	Number of stations.	January.	February.	March.	April.	May.	June.	July	August.	September.	October.	November.	December.	Year.
		°	°	°	°	°	°	°	°	°	°	°	°	°
North-West Himalayas	4	+5·2	−1·3	−6·4	−2·6	−2·7	−2·6	−1·3	−0·5	+0·3	+2·0	+3·0	+1·1	−0·5
Sikkim Himalayas and Nepal	2	+2·5	+0·5	−3·5	−2·1	+0·2	−0·3	−0·4	+1·2	+0·7	+0·6	+1·8	−0·7	0
Punjab Plains	1	+4·2	−1·0	−5·2	−4·0	−1·7	−1·8	+2·7	−0·6	+3·7	+2·5	+2·9	−0·7	+0·1
Gangetic Plain	2	+2·8	−1·8	−5·1	−4·4	−2·0	+1·8	+4·9	+0·5	+2·3	+2·7	+2·4	−0·7	+0·3
Western Rajputana	1	+2·2	−2·9	−3·4	−4·6	−2·2	−0·3	+3·4	−0·4	−1·9	+0·2	+2·0	−0·1	−0·7
Eastern Rajputana and Central India	1	+3·8	−1·9	−3·0	−3·8	−2·9	+2·5	+4·6	−1·7	−0·7	+1·2	+1·6	−1·4	−0·1
Lower Bengal	1	+2·7	+0·9	−2·6	−2·0	+0·3	+0·2	+1·2	+1·1	+1·6	+1·9	+1·4	+0·4	+0·6
Central Provinces (South) and Berar	3—4	+0·3	−2·0	−2·8	−6·2	−1·4	+1·4	+3·6	−1·7	+1·2	+3·3	+2·8	−0·7	−0·2
Konkan	1	+2·3	+1·1	+0·6	+1·1	−0·1	+0·7	+0·4	−0·5	+1·1	+1·0	+2·3	+0·6	+0·9
Deccan, Hyderabad and Mysore	3	+0·5	+0·8	−0·3	−3·6	−0·3	−0·4	+0·7	−1·5	+1·1	+1·4	+1·9	+0·8	+0·1
East Coast and Carnatic	1	−0·7	−0·2	+0·5	−0·6	+1·7	+1·2	+0·1	+2·2	+1·4	−0·1	−0·6	−0·4	+0·4
Arakan and Pegu	1	+0·9	+1·1	−2·0	−0·7	−1·7	+0·1	+0·9	−0·5	+0·5	−0·2	+2·3	−0·8	0
Bay Islands	1	0	−0·9	−2·2	−0·4	−2·5	−0·1	−0·9	−0·6	+0·4	−1·3	−1·2	−1·0	−0·9
Extra-tropical India	12	+3·7	−1·1	−4·7	−3·1	−1·8	−0·6	+1·3	0	+0·8	+1·7	+2·4	0	−0·1
Tropical India	10—11	+0·5	−0·4	−1·4	−3·3	−0·8	+0·5	+1·6	−1·0	+1·0	+1·5	+1·7	−0·2	0
Whole India	22—23	+2·1	−0·8	−3·1	−3·2	−1·3	0	+1·4	−0·5	+0·9	+1·6	+2·0	−0·1	−0·1

TABLE 18.—*Departure of the mean monthly maximum temperature from the normal in the fourteen chief political divisions of India in 1907.*

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

TABLE 19.—*Departure of mean monthly minimum temperature from the normal in the fourteen chief political divisions of India in 1907.*

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

TABLE 20.—*Departure of mean monthly temperature from the normal in the fourteen chief political divisions of India in 1907.*

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

TABLE 21.—*Departure of the mean monthly maximum temperature from the normal in 33 of the 34 sub-divisions of India in 1907.*

Sub-division.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
	°	°	°	°	°	°	°	°	°	°	°	°	°
1. Bay Islands	− 0·3	− 1·2	− 3·7	− 0·7	− 3·0	− 0·8	− 1·0	− 1·0	+ 0·4	− 1·7	− 1·1	− 1·3	− 1·3
2. Lower Burma	− 0·4	− 0·1	− 2·1	− 0·7	− 1·9	+ 0·3	+ 0·6	− 1·2	− 0·2	− 1·1	+ 0·9	− 2·0	− 0·7
3. Upper Burma	− 0·2	− 0·3	− 2·5	− 2·2	− 0·6	− 1·9	− 0·4	− 0·1	− 0·5	− 1·0	+ 1·2	− 1·4	− 0·8
4. Assam	+ 1·5	− 1·6	− 4·5	− 3·3	+ 0·3	− 1·7	− 1·3	+ 1·6	− 1·3	+ 0·3	+ 0·8	+ 0·3	− 0·7
5. Eastern Bengal	+ 2·6	− 0·4	− 3·7	− 3·1	+ 0·6	0	− 0·8	+ 1·3	+ 0·4	+ 1·6	+ 1·7	+ 1·2	+ 0·1
6. Bengal	+ 1·9	− 1·2	− 4·6	− 3·7	− 0·2	− 0·1	+ 0·4	+ 0·7	+ 1·4	+ 3·4	+ 3·5	+ 0·8	+ 0·2
7. Orissa	+ 0·1	− 2·1	− 3·4	− 4·9	− 1·2	− 0·3	+ 1·3	− 0·7	+ 0·3	+ 3·1	+ 3·0	− 1·7	− 0·5
8. Chota Nagpur	+ 1·5	− 4·0	− 5·2	− 7·3	− 1·9	+ 0·3	+ 2·3	0	+ 0·6	+ 5·1	+ 3·3	− 2·0	− 0·6
9. Bihar	+ 2·6	− 3·5	− 6·3	− 7·1	− 0·3	− 0·2	+ 0·2	+ 1·2	+ 0·5	+ 3·4	+ 2·7	+ 1·0	− 0·5
10. United Provinces, East	+ 3·0	− 4·6	− 6·3	− 6·5	− 1·6	+ 3·6	+ 6·7	+ 1·0	+ 4·0	+ 5·9	+ 4·3	+ 1·2	+ 0·9
11. Do. do. West	+ 2·3	− 5·0	− 7·4	− 7·2	− 3·1	+ 3·4	+ 8·2	+ 0·5	+ 4·6	+ 4·5	+ 3·3	+ 0·6	+ 0·4
12. Punjab, East and North	+ 2·4	− 5·6	− 9·0	− 9·2	− 4·4	− 1·0	+ 5·1	− 1·7	+ 3·0	+ 2·3	+ 3·0	+ 1·2	− 1·2
13. Punjab, Southwest	+ 5·2	− 3·6	− 6·0	− 6·9	− 3·3	− 3·1	+ 2·3	− 1·1	+ 1·0	+ 1·6	+ 3·2	+ 1·5	− 0·8
14. Kashmir	+ 7·0	− 0·3	− 5·0	− 1·3	− 3·9	− 7·9	− 4·1	− 1·3	+ 2·1	+ 0·7	+ 4·1	+ 3·2	− 0·6
15. North-West Frontier Province ...	+ 3·7	− 4·9	− 7·4	− 5·9	− 2·8	− 4·2	+ 2·2	− 0·5	+ 2·3	+ 1·4	+ 2·6	+ 0·5	− 1·1
16. Baluchistan	+ 9·2	− 5·7	− 1·3	− 1·7	− 6·0	− 6·7	+ 1·8	− 0·3	+ 1·7	− 0·3	+ 3·8	+ 3·2	− 0·2
17. Sind	+ 4·6	− 5·0	− 1·9	− 3·0	− 1·2	− 1·7	+ 3·3	+ 0·9	− 1·4	− 0·5	+ 3·5	+ 1·1	− 0·1
18. Rajputana, West	+ 5·0	− 5·0	− 5·0	− 6·4	− 2·7	− 0·1	+ 5·6	− 3·8	− 2·3	− 1·4	+ 1·2	− 0·7	− 1·3
19. Do. East	+ 4·6	− 5·6	− 4·6	− 5·1	− 2·0	+ 2·8	+ 7·8	− 3·0	+ 0·6	+ 1·8	+ 2·6	+ 0·5	0
20. Gujarat	+ 2·5	− 2·1	− 1·2	− 3·5	− 0·2	+ 0·2	+ 4·4	− 3·7	− 0·3	+ 1·8	+ 3·4	+ 0·5	+ 0·2
21. Central India, West	+ 2·1	− 2·6	− 3·3	− 7·1	− 3·3	+ 2·1	+ 7·7	− 3·0	+ 0·9	+ 4·5	+ 3·4	− 0·2	+ 0·1
22. Do. East	+ 1·6	− 4·9	− 5·3	− 7·4	− 2·5	+ 5·4	+ 10·2	− 0·8	+ 2·5	+ 4·8	+ 3·1	− 0·5	+ 0·5
23. Berar	+ 1·5	− 3·7	− 2·7	− 6·8	− 0·3	+ 2·2	+ 2·5	− 3·7	+ 4·0	+ 6·5	+ 4·2	+ 0·4	+ 0·3
24. Central Provinces, West	+ 1·2	− 3·3	− 3·4	− 7·7	− 2·0	+ 3·3	+ 5·4	− 2·3	+ 2·5	+ 5·7	+ 3·8	− 0·2	+ 0·3
25. Do. East	− 0·4	− 3·1	− 3·5	− 9·2	− 2·0	+ 1·4	+ 1·0	− 4·4	+ 0·8	+ 3·4	+ 3·0	− 0·5	− 1·1
26. Konkan	− 0·2	− 0·9	− 0·4	+ 0·1	− 0·2	+ 0·7	+ 0·6	− 1·1	− 0·4	+ 1·3	+ 1·2	− 0·2	0
27. Bombay Deccan	+ 1·0	− 0·1	− 0·5	− 6·2	+ 0·7	+ 2·2	+ 1·1	− 3·5	+ 2·5	+ 4·7	+ 3·6	+ 0·9	+ 0·5
28. Hyderabad, North	...	...	No	data	...	...	...	...	...	...	...	...	...
29. Do. South	− 0·6	− 0·7	− 1·4	− 6·3	− 0·6	+ 0·6	− 0·7	− 3·3	+ 2·3	+ 5·1	+ 3·7	+ 0·3	− 0·1
30. Mysore	0	+ 0·8	− 0·3	− 4·0	+ 1·6	+ 0·2	+ 0·8	− 2·7	+ 1·4	+ 2·1	+ 1·2	+ 1·4	+ 0·2
31. Malabar	− 0·2	− 0·3	− 0·1	− 1·0	+ 0·6	+ 0·4	− 0·3	− 2·0	− 0·1	+ 0·5	− 0·5	− 0·8	− 0·3
32. Madras, Southeast	+ 0·2	− 0·1	− 0·1	− 2·3	+ 0·4	− 0·2	− 0·3	+ 0·1	+ 1·5	0	− 0·3	+ 1·1	0
33. Do. Deccan	− 0·2	− 0·3	− 0·9	− 4·5	+ 1·1	+ 0·1	0	− 0·9	+ 3·3	+ 4·6	+ 1·8	− 0·2	+ 0·3
34. Do. Coast, North	0	− 0·9	− 2·0	− 2·4	− 0·2	− 0·6	− 0·6	− 1·0	+ 2·2	+ 2·1	+ 2·0	− 1·1	− 0·2

TABLE 22.—*Departure of the mean monthly minimum temperature from the normal in 33 of the 34 sub-divisions of India in 1907.*

Sub-division.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
	°	°	°	°	°	°	°	°	°	°	°	°	°
1. Bay Islands	+0·6	−0·4	−0·7	−0·1	−1·5	+0·7	−0·6	0	+0·2	−0·9	−1·0	−0·8	−0·4
2. Lower Burma	+2·4	+1·5	+0·8	−0·1	−0·1	+0·6	+0·8	+0·1	+0·4	+0·7	+2·2	+0·3	+0·8
3. Upper Burma	+4·0	+0·4	+0·1	−1·2	+0·2	−0·7	+0·6	+0·5	+0·4	−0·1	−1·4	+1·6	+0·4
4. Assam	+1·8	+0·4	−2·1	−2·5	−0·7	−1·6	−0·5	+0·5	−0·2	−1·1	−1·1	−0·7	−0·7
5. Eastern Bengal	+3·1	+1·0	−2·1	−2·6	−0·7	−0·1	−0·5	+0·6	+0·1	−0·7	−1·2	−0·7	−0·3
6. Bengal	+2·4	+1·0	−2·7	−2·4	−1·1	−0·3	+0·3	+0·4	+0·4	−0·6	−1·4	−0·6	−0·4
7. Orissa	−0·3	+1·6	−0·9	−2·5	−1·7	+0·1	+0·8	+0·8	0	−1·9	−0·5	−0·5	−0·4
8. Chota Nagpur	+1·7	+0·7	−2·1	−3·8	−2·2	+1·0	+1·4	+0·5	+0·2	+0·5	−0·2	−0·6	−0·2
9. Bihar	+1·9	+0·7	−3·5	−3·8	−1·6	−0·7	−0·2	+0·2	−0·3	−1·0	−1·5	−3·6	−1·1
10. United Provinces, East	+2·1	+1·5	−2·8	−2·2	−2·8	+0·6	+2·3	+0·1	+0·1	−1·0	−2·0	−4·1	−0·7
11. Do. do. West	+2·9	+0·4	−3·5	−3·0	−2·6	+0·2	+2·8	+0·2	+0·6	+0·3	+0·7	−3·1	−0·3
12. Punjab, East and North	+4·1	+1·0	−3·0	−1·9	−2·3	−2·1	+·3	−0·1	+2·0	+1·5	+1·2	−3·2	−0·1
13. Punjab, Southwest	+4·3	+0·1	−3·0	−1·2	−2·6	−2·8	−0·1	+0·1	+1·0	+1·3	+1·7	−2·8	−0·3
14. Kashmir	+5·3	+1·9	−3·2	+0·5	−2·5	−5·6	−4·9	−0·7	−1·1	+1·6	+2·3	−4·1	−0·9
15. North-West Frontier Province ...	+4·7	+0·9	−3·7	−1·2	−2·8	−3·8	−1·5	−0·3	+1·7	+1·4	+2·8	−2·9	−0·4
16. Baluchistan	+2·8	−0·9	−1·1	−0·3	−4·9	−3·7	+1·2	+0·5	−0·3	−0·1	+0·7	−2·9	−0·8
17. Sind	+4·0	+1·1	+0·3	+0·5	−2·8	−1·4	+1·9	+1·3	−0·7	−0·7	+1·6	−2·3	+0·2
18. Rajputana, West	+2·7	+1·6	−2·9	−1·4	−2·9	−0·4	+2·3	−0·9	−3·9	−2·1	−0·8	−5·1	−1·2
19. Do. East	+3·9	+2·1	−0·1	−0·3	−2·4	+1·8	+4·0	−0·1	−2·4	+1·6	+0·5	−4·4	+0·4
20. Gujarat	+2·2	+1·7	+0·1	+0·3	−2·2	−0·6	+1·1	−0·7	−1·4	−1·5	+1·6	−2·5	−0·2
21. Central India, West	+0·6	+1·5	−1·1	−0·3	−2·4	+1·2	+2·4	+0·1	−1·5	+1·0	+1·6	−3·7	−0·1
22. Do. East	+1·1	+2·3	−2·0	−1·2	−3·1	+2·4	+5·0	+0·4	−0·2	−0·4	+0·5	−3·5	+0·1
23. Berar	+0·6	+1·0	−1·2	−2·5	−3·2	+0·4	+1·6	−0·9	−0·2	+2·0	+3·2	−0·8	0
24. Central Provinces, West	+0·2	+1·4	−2·0	−3·6	−4·9	−0·3	+1·6	−0·7	−1·3	−0·4	+0·6	−2·9	−1·0
25. Do. East	−0·2	+0·7	−1·6	−5·0	−4·4	−1·1	−1·4	−0·8	−1·8	−3·3	−2·4	−1·6	−1·9
26. Konkan	+1·5	+0·8	−0·4	−0·5	−0·6	+0·2	+0·4	0	−0·1	+1·5	+2·1	+0·7	+0·5
27. Bombay Deccan	+0·7	+0·9	−1·1	−2·4	−2·3	0	−0·3	−0·5	−0·9	+0·9	+2·3	−0·6	−0·2
28. Hyderabad, North	...	...	No	data.	...	...	...	...	...	...	...	...	...
29. Do. South	+1·1	+0·9	0	−3·7	−1·6	0	+0·6	−0·5	+0·9	−0·5	+2·8	+0·9	+0·1
30. Mysore	+0·7	+0·7	−0·3	−1·1	−0·1	−0·2	+0·5	−0·2	−0·2	−0·1	+1·2	+0·4	+0·1
31. Malabar	+0·9	+1·0	0	−0·6	−0·1	+0·3	+0·2	−0·3	+0·4	+1·3	+0·7	+0·8	+0·4
32. Madras, Southeast	+0·2	+0·4	+1·2	−0·3	+0·7	+0·3	+0·4	+0·3	+0·6	+0·6	+0·6	−0·3	+0·4
33. Do. Deccan	+1·4	+1·0	+0·3	−3·2	−0·3	+0·1	0	+0·4	+1·0	−0·7	+2·6	+1·1	+0·3
34. Do. Coast, North	+0·5	+1·2	+0·4	−1·5	−1·6	−0·4	−0·4	−0·2	+0·6	−0·9	+1·3	−0·6	−0·1

TABLE 23.—*Departure of the mean monthly and annual temperature from the normal in 33 of the 34 sub-divisions of India in 1907.*

Sub-division.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October	November.	December.	Year.
	°	°	°	°	°	°	°	°	°	°	°	°	°
1. Bay Islands	+0·2	−0·8	−2·2	−0·4	−2·3	−0·1	−0·8	−0·5	+0·3	−1·3	−1·1	−1·1	−0·8
2. Lower Burma	+1·0	+0·7	−0·7	−0·4	−1·0	+0·5	+0·7	−0·6	+0·1	−0·2	+1·6	−0·9	+0·1
3. Upper Burma	+1·9	+0·1	−1·2	−1·7	−0·2	−1·3	+0·1	+0·2	−0·1	−0·6	−0·1	+0·1	−0·2
4. Assam	+1·7	−0·6	−3·3	−2·9	−0·2	−1·7	−0·9	+1·1	−0·8	−0·4	−0·2	−0·2	−0·7
5. Eastern Bengal	+2·9	+0·3	−2·9	−2·9	−0·1	−0·1	−0·7	+1·0	+0·3	+0·5	+0·3	+0·3	−0·1
6. Bengal	+2·2	−0·1	−3·7	−3·1	−0·7	−0·2	+0·4	+0·6	+0·9	+1·4	+1·1	+0·1	−0·1
7. Orissa	−0·1	−0·3	−2·2	−3·7	−1·5	−0·1	+1·1	+0·1	+0·2	+0·6	+1·3	−1·1	−0·5
8. Chota Nagpur	+1·6	−1·7	−3·7	−5·6	−2·1	+0·7	+1·9	+0·3	+0·4	+2·8	+1·6	−1·3	−0·4
9. Bihar	+2·3	−1·4	−4·9	−5·5	−1·0	−0·5	0	+0·7	+0·1	+1·2	+0·6	−1·3	−0·8
10. United Provinces, East	+2·6	−1·6	−4·6	−4·4	−2·2	+2·1	+4·5	+0·6	+2·[illegible]	+2·5	+1·2	−1·5	+0·1
11. Do. do. West	+2·6	−2·3	−5·5	−5·1	−2·9	+1·8	+5·5	+0·4	+2·6	+2·4	+2·0	−1·3	0
12. Punjab, East and North	+3·3	−2·3	−6·0	−5·6	−3·4	−1·6	+3·2	−0·9	+2·5	+1·9	+2·1	−1·0	−0·7
13. Punjab, Southwest	+4·8	−1·8	−4·5	−4·1	−3·0	−3·0	+1·1	−0·5	+1·0	+1·5	+2·5	−0·7	−0·6
14. Kashmir	+6·2	+0·8	−4·1	−0·4	−3·2	−6·8	−4·5	−1·0	+0·5	+1·2	+3·2	−0·5	−0·7
15. North-West Frontier Province ...	−4·2	−2·0	−5·6	−3·6	−2·8	−4·0	+0·4	−0·4	+2·0	+1·4	+2·7	−1·2	−0·7
16. Baluchistan	+6·0	−3·3	−1·2	−1·0	−5·5	−5·2	+1·5	+0·1	+0·7	−0·2	+2·3	+0·2	−0·5
17. Sind	+4·3	−2·0	−0·8	−1·3	−2·0	−1·6	+2·6	+1·1	−1·1	−0·6	+2·6	−0·6	+0·1
18. Rajputana, West	+3·9	−1·7	−4·0	−3·9	−2·8	−0·3	+4·0	−2·4	−3·1	−1·8	+0·2	−2·9	−1·2
19. Do. East	+4·3	−1·8	−2·4	−2·7	−2·2	+2·3	+5·9	−1·6	−0·9	+1·7	+1·6	−2·0	+0·2
20. Gujarat	+2·4	−0·2	−0·6	−1·6	−1·2	−0·2	+2·8	−2·2	−0·9	+0·2	+2·5	−1·0	0
21. Central India, West	+1·4	−0·6	−2·2	−3·7	−2·9	+1·7	+5·1	−1·5	−0·3	+2·8	+2·5	−2·0	0
2. Do. East	+1·4	−1·3	−3·7	−4·3	−2·8	+3·9	+7·6	−0·2	+1·2	+2·2	+1·8	−2·0	+0·3
23. Berar	+1·1	−1·4	−2·0	−4·7	−1·8	+1·3	+2·1	−2·3	+1·9	+4·3	+3·7	−0·2	+0·2
24. Central Provinces, West	+0·7	−1·0	−2·7	−5·7	−3·5	+1·5	+3·5	−1·5	+0·6	+2·7	+2·2	−1·6	−0·4
25. Do. East	−0·3	−1·2	−2·6	−7·1	−3·2	+0·2	−0·2	−2·6	−0·5	+0·1	+0·3	−1·1	−1·5
26. Konkan	+0·7	−0·1	−0·4	−0·2	−0·4	+0·5	+0·5	−0·6	−0·3	+1·4	+1·7	+0·3	+0·3
27. Bombay Deccan	+0·9	+0·4	−0·8	−4·3	−0·8	+1·1	+0·7	−2·0	+0·8	+2·8	+3·0	+0·2	+0·2
28. Hyderabad, North...	...	...	No	data	...	...	...	...	...	...	...	...	...
29. Do. South	+0·3	+0·1	−0·7	−5·0	−1·1	+0·3	−0·1	−1·9	+1·6	+2·3	+3·3	+0·6	0
30. Mysore	+0·4	+0·8	−0·3	−2·6	+0·8	0	+0·7	−1·5	+0·6	+1·0	+1·2	+0·	+0·2
31. Malabar	+0·4	+0·4	−0·1	−0·8	+0·3	+0·6	−0·1	−1·2	+0·2	+0·9	+0·1	0	+0·1
32. Madras, Southeast	+0·2	+0·2	+0·6	−1·3	+0·6	+0·1	+0·1	+0·2	+1·1	+0·3	+0·2	+0·4	+0·2
33. Do. Deccan	+0·6	+0·4	−0·3	−3·9	+0·4	+0·1	0	−0·3	+2·2	+2·0	+2·2	+0·5	+0·3
34. Do. Coast, North	+0·3	+0·2	−0·8	−2·0	−0·9	−0·5	−0·5	−0·6	+1·4	+0·6	+1·7	−0·9	−0·2

In the discussion of the meteorology of India, during the present year 1907, 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.—The meteorological conditions of this season were characterized by features similar to those which prevailed in the corresponding period of the previous year. January was unusually dry over a large extent of the country, while February was very wet over northern and central India and drier than usual over the Peninsula. The excess of rainfall in the latter month was very large in amount and more than counterbalanced the defect in January.

The snowfall of the period was as unusual in its time of occurrence and quantity as the rainfall, and notwithstanding its scantiness in January the accumulations of snow at the end of February were greater than usual.

The abnormalities of temperature were as usual related almost solely to those of precipitation and cloud. In January owing to the absence of regular cold weather storms temperature was steady, but in February four cool waves traversed northern India and of these the second and fourth were of moderate intensity and advanced across the country from the northwest frontier to Burma between the 4th and the 12th, and the 16th and the 28th.

The greatest cold of the year in northern and central India, which under ordinary conditions occurs in this season, was in 1907 deferred until towards the close of the year.

(*a*) The departures from normal of the mean daily maximum temperature were of opposite signs in the two months, the weather by day in January having been warmer than usual in most parts of the country and cooler everywhere in February. The largest departures in both months occurred in the northwest, the region of the winter rains. On the mean of the period day temperature was practically normal throughout the country except in the United Provinces, Central India and the Central Provinces, where there was a defect of about 1.°

Table 24.

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

(*b*) Minimum or night temperature was above normal throughout the period over the whole country; the excess was most marked in the area including the Punjab, North-West Frontier Province, Sind and Rajputana, where it averaged 2½° in amount.

Table 25.

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

(*c*) The departures from normal of mean temperature were similar in their general character to those of the day temperature. On the average of the period temperature ruled above normal in all divisions with the exception of the Central Provinces, but the excess was everywhere less than 1½°.

Table 26.

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

(*d*) Along the southern face of the Himalayas temperature varied somewhat irregularly from normal from station to station—an indication that the departures were determined by local rather than general causes.

Table 27.

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

(*e*) The excess of temperature in upper India extended westwards into Afghanistan, Baluchistan and Persia, and northwards into Kashmir. Baghdad and Kashgar were apparently beyond the limits of the region of high temperature.

Table 28.

Station.	Departure from normal of period, January and February.		
	Maximum temperature	Minimum temperature.	Mean temperature
	°	°	°
Baghdad	−1·9	0	−1·0
Ispahan	+0·8	+1·3	+1·1
Bushire	−0·6	+0·1	−0·3
Jask	+0·7	+1·2	+1·0
Chaman	+1·1	+1·1	+1·1
Quetta	+2·5	+0·9	+1·7
Kabul	+5·7	+5·9	+5·8
Gilgit	+3·7	+2·4	+3·1
Srinagar	+6·1	+5·2	+5·7
Kashgar	−1·3	−1·1	−1·2
Kailang	−0·6	+0·9	+0·2
Leh	+0·3	+0·6	+0·5

II. The hot weather period.—Meteorologically this period was also abnormal. The cold weather conditions which usually do not outlast the middle of March were in 1907 prolonged well into April. Weather was very rainy over the greater part of the plains of India and heavy snow fell in the western Himalayas down to very low levels. In northern India the precipitation was associated with the advance eastwards of a series of depressions of the cold weather type, and in the Peninsula with the prevalence of peculiar conditions over the neighbouring seas. In May, the last month of the period, conditions were much more settled than usual over a large part of the country.

(*a*) Maximum temperature was lower than usual over the whole country throughout the greater part of the period, the mean defect having been more than 2° over three-quarters of the area. The region of largest defect included the Punjab, North-West Frontier Province and the United Provinces where temperature was from 5° to 7° below normal.

Table 29.

Division.	Departure of maximum temperature from normal			
	March.	April.	May.	Period, March to May.
	°	°	°	°
Burma	−2·2	−1·3	−1·3	−1·6
Eastern Bengal and Assam	−4·0	−3·2	+0·5	−2·2
Bengal	−4·8	−5·5	−0·8	−3·7

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

(*b*) The departures of minimum temperature were similar in their general character to those of the maximum but smaller in amount. On the average of the whole period night temperature was in slight to moderate defect in northern and central India and practically normal over the rest of the country. The defect, as in the case of the maximum temperature, was shown in each of the three months.

Table 30.

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

(*c*) Mean daily temperature was approximately normal in Burma, Sind, Bombay, Mysore and Madras and below normal over the rest of India. The defect exceeded 2° in amount over the greater part of northern and central India and in Hyderabad, and was greatest in the Punjab where it averaged 4½°.

Table 31.

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

The low temperature in May, when dry weather prevailed generally in India, was presumably a result of the heavy precipitation of the previous two months.

(*d*) As might be expected from the low levels at which snowfall occurred, temperature was low at sub-Himalayan stations.

Table 32.

Station.	Departure from normal of mean temperature			
	March.	April.	May.	Period, March to May.
	°	°	°	°
Cherat	−6·6	−5·9	−6·9	−6·5
Murree	−10·4	−4·2	−4·1	−6·2
Simla	−8·1	−3·6	−3·0	−4·9
Chakrata	−8·6	−4·8	−2·5	−5·3

(*e*) In ordinary years the hot weather conditions attain their maximum intensity in upper India at about the end of May or in the first week of

June, but in the present year a delay of several weeks occurred. The absolute maximum of the year was as usual registered at Jacobabad, and was from ½° to 5½° lower than the annual maximum readings on record since 1894.

(*f*) The low temperature conditions in India extended westwards as far as Baghdad and northwards to Leh and Gilgit, and appear therefore to have been caused by general and not by local actions.

Table 33.

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

III.—The south-west monsoon period.—The rains began somewhat later than usual in the coast districts and were feeble and intermittent until near the end of the third week of July. Strongly marked monsoon conditions prevailed from about July 21st to the close of the third week of August after which the activity of the Arabian Sea current diminished largely and abruptly. A complete break in the rains then set in over northwest India and extended eastwards embracing the greater part of northern and central India before the end of August. Both monsoon currents, and especially that from the Arabian Sea, were below their normal strength during September, and precipitation was almost restricted to Burma, northeast India and the Peninsula.

To sum up, the monsoon currents of 1907 were not only late in arrival, and weak in character except for a short period in August, but also they withdrew from northern and central India long before the normal dates.

(*a*) Temperature differed little from the normal except locally in the United Provinces and Central India where it was on the mean of the period 2° above the average: the excess was more marked by day than by night, as is usual when both cloud and rain are in defect.

Table 34.

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

These abnormalities were related closely to those of the rainfall.

(*b*) In the regions to the north and west of upper India, temperature was more or less below normal by both day and night. Such a feature is generally associated with excess of rainfall, but as over a large part of the area the precipitation of the period in the present instance was below normal the explanation of the low temperature probably lies in the severity and long extension of the antecedent winter conditions.

Table 35.

Station.	Departure from normal of period, June to September.		
	Maximum temperature.	Minimum temperature.	Mean temperature.
	°	°	°
Baghdad	+1·1	+1·4	+1·3
Ispahan	−2·3	+0·3	−1·0
Bushire	−1·4	−0·1	−0·8
Jask	−0·5	+1·1	+0·3
Chaman	−2·4	−3·1	−2·8
Quetta	−0·6	+0·5	−0·1
Kabul	+0·1	−2·1	−1·0
Gilgit	−3·0	−4·2	−3·6
Srinagar	−1·2	−2·5	−1·9
Kashgar	−1·8	−2·0	−1·9
Kailang	−1·3	−3·0	−2·2
Leh	−4·2	−2·5	−3·4

IV.—The retreating south-west monsoon period.—This period was very dry almost everywhere, the total precipitation over the country being only three-fifths of the normal quantity.

The Bay current was inactive except for a short interval in December: it withdrew from the Bay a few days later than usual, at about the end of the third week in December.

Settled weather prevailed in Persia and north-west India, and at the end of the year there were no signs of an early commencement of the winter rains.

(*a*) Owing to the prevalence of the dry weather over a large part of the country, day temperature was more or less in excess, and night temperature tended to be below normal. Mean temperature was within 1½° of the normal in all divisions with the exception of Hyderabad, where it was 2° in excess.

TABLE 36.

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

(*b*) The temperature conditions in Kashmir, Afghanistan and Baluchistan were similar in their general character to those of upper India. In Persia, on the other hand, temperature was inclined to be in defect.

TABLE 37.

Station.	Departure from normal of period, October to December.		
	Maximum temperature.	Minimum temperature.	Mean temperature.
	°	°	°
Baghdad	−3·2	−0·4	−1·8
Ispahan	−1·3	+1·1	−0·1
Bushire	−1·4	−0·7	−1·1
Jask	+0·3	+0·1	+0·2
Chaman	+1·6	−1·4	+0·1
Quetta	+2·9	−0·1	+1·4
Kabul	+6·1	−1·5	+2·3
Gilgit	+2·3	0	+1·2
Srinagar	+3·7	−1·0	+1·4
Kashgar	+1·8	+1·2	+1·5
Kailang	+4·6	+1·2	+2·9
Leh	+2·1	+0·7	+1·4

The year.—The rapid rise of temperature which had marked the previous year was not maintained in 1907; weather was on the whole cooler than usual. This change in the temperature conditions is illustrated by the table below which gives the mean departure and progressive change of the mean actual temperature for the past 18 years :—

TABLE 38.

Year.	Number of stations.	Mean departure.	Progressive change.
		°	°
1890	85	+0·13	+0·73
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

ear.	Number of stations.	Mean departure.	Progressive change.
		°	°
1905	46	—0·42	—0·39
1906	45	+0·33	+0·75
1907*	23	—0·08	—0·41

* The number of stations available for this computation has been considerably reduced this year, but a comparison of the mean departure,—0·1° F, for 1907 in this table with that,—0·2, obtained from the large number of stations used for the figures on page 148 will indicate an improbability that the change has seriously diminished the value of the figures for 1907 in the above table.

It may be stated that the connection of this series of departures with the solar activity as exhibited in the number of sunspots is fairly conspicuous.

(*a*) The lowness of temperature occurred almost solely during the four months February to May, and in August, and was attributable in the first case to the unusually severe and prolonged winter conditions and in August to the occurrence of the very heavy rainfall of that month. In June and December temperature was normal, and during the remaining five months of the year it was above the average, in September by less than 1° and in January, July, October and November by more than that amount. These five months were characterized by the prevalence of much drier weather than usual.

TABLE 39.

Month.	Departure from normal of mean temperature.		
	Extra-tropical India (from Table A).	Tropical India (from Table A).	Whole India (from Table A).
	°	°	°
January	+3·7	+0·5	+2·1
February	—1·1	—0·4	—0·8
March	—4·7	—1·4	—3·1
April	—3·1	—3·3	—3·2
May	—1·8	—0·8	—1·3
June	—0·6	+0·5	0
July	+1·3	+1·6	+1·4
August	0	—1·0	—0·5
September	+0·8	+1·0	+0·9
October	+1·7	+1·5	+1·6
November	+2·4	+1·7	+2·0
December	0	—0·2	—0·1
Whole year ...	—0·1	0	—0·1

(*b*) The departures of temperature from the normal were of the same sign in tropical as in extra-tropical India during nine 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 1907 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 1907.

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 1907, 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 1907 are given in Table 40. 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, the pressure data are given for a fixed hour (*viz.* 8 hrs. local time) of the day. 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 40.—*Departures from normal of monthly and annual mean pressure in 1907.*

Division.	Station.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December	YEAR.
		"	"	"	"	"	"	"	"	"	"	"	"	"
BURMA	Rangoon	—·006	—·017	+·021	+·006	+·002	—·002	—·001	—·024	—·008	—·017	—·015	—·012	—·006
BENGAL	Calcutta	—·044	+·020	+·049	+·031	+·005	—·046	+·008	—·087	—·013	—·013	—·018	—·014	—·010
UNITED PROVINCES OF AGRA AND OUDH.	Allahabad	—·051	+·011	+·033	+·030	+·011	—·009	—·040	—·056	—·003	—·043	—·031	—·007	—·013
	Dehra Dun	—·022	—·001	+·033	+·011	+·006	—·007	—·047	—·043	—·031	—·038	—·021	+·001	—·013
PUNJAB	Lahore	—·046	—·008	+·038	+·019	+·031	+·021	—·008	—·028	—·024	—·048	—·031	—·006	—·007
RAJPUTANA	Jaipur	—·022	—·001	+·019	+·010	+·040	+·012	0	—·036	+·036	—·012	—·015	+·010	+·003
BOMBAY	Bombay	—·012	—·007	+·013	+·004	+·033	+·005	—·017	—·014	+·042	—·006	—·037	—·015	—·001
CENTRAL PROVINCES.	Buldana	—·035	—·028	—·009	+·009	+·027	+·012	+·020	—·026	+·040	—·003	—·028	—·024	—·004
	Nagpur	—·006	+·010	+·020	+·053	+·030	—·002	+·001	—·016	+·057	+·012	—·011	0	+·012
HYDERABAD	Hyderabad	—·010	—·005	+·009	+·024	+·026	+·004	—·006	0	+·036	+·015	—·015	—·019	+·005
MYSORE	Bangalore	—·014	—·012	0	+·017	+·022	—·010	—·026	+·009	+·002	—·006	—·020	—·022	—·005
	Mysore	—·017	—·004	+·005	+·011	+·014	+·011	+·025	+·023	+·001	—·008	—·031	—·030	—·004
MADRAS	Madras	—·019	—·003	+·004	+·024	+·005	—·014	—·022	—·006	+·003	+·003	—·032	—·031	—·007
STATION IN THE BAY.	Port Blair	—·002	—·002	+·010	+·013	+·005	+·001	—·002	+·001	—·002	+·003	—·010	—·032	—·001
KASHMIR	Srinagar	—·042	—·036	—·028	—·033	+·017	+·050	+·038	—·014	—·009	—·004	—·019	—·001	—·007
	Leh	+·052	—·030	—·086	—·017	—·026	—·023	+·003	—·021	—·010	+·001	+·026	+·037	—·008
BALUCHISTAN	Quetta	+·005	—·059	—·019	—·031	+·024	+·032	—·058	—·035	+·008	+·001	—·005	+·031	—·009

TABLE 40.—*Departures from normal of monthly and annual mean pressure in 1907*—concld.

Division.	Station.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	YEAR.
		"	"	"	"	"	"	"	"	"	"	"	"	"
HILL STATIONS EXCLUDING KASHMIR AND BALUCHISTAN.	Simla	+·001	—·034	—·051	—·026	—·002	+·001	+·003	—·019	—·001	—·009	+·006	+·007	—·010
	Chakrata	+·005	—·019	—·036	·017	+·003	+·011	+·012	—·004	—·004	—·008	+·012	+·021	—·001
	Katmandu	—·010	—·002	+·023	+·017	+·063	+·056	+·041	+·014	+·020	+·017	0	+·031	+·023
	Darjeeling	—·019	—·013	—·001	—·008	—·025	—·002	—·005	—·026	—·031	—·008	—·005	—·001	—·012
	Pachmarhi	—·011	—·011	—·004	+·010	+·022	+·006	+·008	—·041	+·045	+·007	—·007	—·010	+·001
	Mount Abu	—·001	—·028	—.009	—·010	+·023	+·015	+·018	—·048	+·032	—·012	—·013	+·002	—·003
	Chikalda	—·038	—·026	—·013	—·003	+·021	+·008	+·001	—·037	+·037	+·008	—·021	—·034	—·008
EXTRA INDIA	Zanzibar	+·022	+·012	+·012	—·034	—·009	—·020	+·002	+·035	+·018	—·006	—·016	0	+·001
	Seychelles	+·015	+·006	+·030	—·030	—·005	+·007	—·045	+·040	+·017	+·005	—·006	+·010	+·004
	Mauritius	+·072	+·052	+·007	—·028	—·027	—·064	—·025	+·002	—·018	—·025	—·021	—·033	—·009

The two following tables give summaries of the pressure departure data according to the groups of divisions employed in the corresponding tables of temperature departure data, namely Tables 17 and 20.

TABLE 41.—*Geographical Summary of the pressure departure data of Table A, in the Monthly Weather Reviews of 1907.*

Meteorological Area.	Number of stations.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	YEAR.
		"	"	"	"	"	"	"	"	"	"	"	"	"
North-West Himalayas	4	+·004	—·030	—·050	—·023	—·002	+·010	+·014	—·005	—·001	—·005	—·006	+·005	—·007
Sikkim Himalayas and Nepal	2	—·015	—·008	+·011	+·005	+·019	+·027	+·018	—·006	—·006	+·005	—·003	+·015	+·005
Punjab Plains	1	—·046	—·038	+·038	+·019	+·031	+·024	—·008	—·028	—·024	—·048	—·031	—·006	—·007
Gangetic Plain	2	—·037	+·005	+·033	+·021	+·009	—·008	—·014	—·050	—·017	—·041	—·026	—·003	—·013
Western Rajputana	1	—·001	—·028	—·009	—·010	+·023	+·015	+·018	—·048	+·032	—·012	—·013	+·002	—·003
Eastern Rajputana and Central India	1	—·022	—·001	+·019	+·010	+·040	+·012	0	—·036	+·036	—·012	—·015	+·010	+·003
Lower Bengal	1	—·044	+·020	+·049	+·031	+·005	—·046	+·008	—·087	—·013	—·013	—·018	—·014	—·010
Central Provinces (South) and Berar	4	—·023	—·014	—·002	+·017	+·025	+·006	+·008	—·030	+·045	+·006	—·017	—·017	0
Konkan	1	—·012	—·007	+·013	+·004	+·033	+·005	—·017	—·014	+·042	—·006	—·037	—·015	—·001
Deccan, Hyderabad and Mysore	3	—·014	—·007	+·005	+·017	+·021	+·002	—·019	+·011	+·013	0	—·022	—·024	—·001
East Coast and Carnatic	1	—·019	—·003	+·004	+·024	+·005	—·014	—·022	—·006	+·003	+·003	—·032	—·031	—·007
Arakan and Pegu	1	—·006	—·017	+·021	+·006	+·002	—·002	—·001	—·024	—·008	—·017	—·015	—·012	—·006
Bay Island	1	—·002	—·002	+·010	+·013	+·005	+·001	—·002	+·001	—·002	+·003	—·010	—·032	—·001
Extra Tropical India	12	—·017	—·012	—·001	+·001	+·012	+·007	+·002	—·031	—·003	—·015	—·009	+·007	—·005
Tropical India	11	—·015	—·010	+·005	+·015	+·019	+·002	—·006	—·012	+·023	+·001	—·021	—·021	—·002
Whole India	23	—·016	—·011	+·002	+·008	+·015	+·004	—·002	—·022	+·010	—·007	—·015	—·006	—·003

TABLE 42.—*Departure of the mean monthly pressure from the normal in the fourteen chief political divisions of India in 1907.*

Division.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	YEAR.
	"	"	"	"	"	"	"	"	"	"	"	"	"
Burma	—·003	+·003	+·024	+·009	+·001	—·001	+·001	—·029	—·009	—·012	—·008	—·013	—·003
Eastern Bengal and Assam	—·035	+·017	+·058	+·029	+·007	—·011	+·006	—·054	—·025	—·011	+·003	—·014	—·003
Bengal	—·032	+·019	+·044	+·037	+·018	—·033	0	—·072	—·011	—·010	—·004	—·007	
United Provinces	—·035	+·012	+·041	+·035	+·028	+·006	—·020	—·039	0	—·020	—·014	+·004	0
Punjab	—·036	+·006	+·043	+·032	+·043	+·029	+·006	—·021	—·006	—·028	—·015	+·008	+·005
North-West Frontier Province	—·051	—·005	+·029	+·013	+·040	+·046	+·006	—·018	—·030	—·042	—·037	—·009	—·005
Sind	—·039	—·021	+·019	+·012	+·061	+·030	+·026	—·029	+·031	+·005	—·022	+·007	+·007
Rajputana	—·028	—·008	+·018	+·018	+·049	+·030	+·020	—·033	+·038	—·008	—·015	+·005	+·008
Bombay	—·010	—·003	+·010	+·015	+·033	+·010	—·002	—·018	+·043	+·002	—·024	—·012	+·004
Central India	—·030	—·001	+·017	+·026	+·045	+·012	—·007	—·036	+·046	—·004	—·015	+·004	+·004
Central Provinces	—·018	0	+·012	+·038	+·039	+·008	—·002	—·031	+·048	+·004	—·013	—·005	+·007
Hyderabad	—·014	+·010	+·018	+·037	+·019	+·010	—·018	—·012	+·025	+·006	—·027	—·027	+·002
Mysore	—·010	+·002	+·008	+·013	+·020	+·005	—·023	+·007	+·011	—·001	—·021	—·020	—·001
Madras	—·010	+·004	+·012	+·024	+·020	—·004	—·020	+·008	+·011	—·002	—·018	—·017	+·001
Mean of India when the size of the above areas is taken into account.	—·022	+·004	+·026	+·025	+·028	+·006	—·002	—·029	+·014	—·007	—·014	—·006	+·002

I.—The cold weather period.

(*a*) The mean 8 hrs. pressure of the Indian land area was in defect of the normal amount in January, and in very slight excess in February. These general abnormalities of pressure were traceable to temperature anomalies, which in their turn were determined, partly at least, by the character of the weather in respect of rainfall.

The statement below shows the interdependence of pressure, temperature and rainfall :—

TABLE 43.

MONTH.	DEPARTURE FROM NORMAL.		
	8 hrs. pressure.	Temperature.	Rainfall.
	"	°	"
January	—·021	+2·0	—0·10
February	+·006	—0·8	+0·83

(*b*) The coincident departures of pressure at certain stations in the Indian Ocean and in the regions to the north and west of India are given in the table below :—

TABLE 44.

STATION.	DEPARTURE OF PRESSURE FROM NORMAL.		
	January.	February.	Period, January and February.
	"	"	"
Mauritius	+·072	+·052	+·062
Seychelles	+·015	+·006	+·011
Zanzibar	+·021	+·008	+·015
Aden	+·031	—·020	+·006
Perim	+·016	+·023	+·020
Baghdad	+·041	—·072	—·016
Bushire	+·001	—·073	—·036
Jask	—·022	—·041	—·032
Muscat	+·004	—·060	—·028
Kashgar	*—·022	*—·051 ?	*—·037 ?

*These numbers are queried because the normals are based upon very few years.

(*c*) The only persistent feature of the local distribution of pressure was a slight to moderate defect of pressure in the usual region of the winter rains in north-west India. It was however of no significance, being almost as conspicuous in the wet month of February as in

January when the rainfall was scanty and below normal :—

TABLE 45.

DIVISION.	EXCESS OF PRESSURE DEPARTURE OVER GEOGRAPHICAL MEAN FOR INDIA.		
	January.	February.	Period, January and February.
	"	"	"
Burma	+·018	—·003	+·008
Eastern Bengal and Assam	—·014	+·011	—·002
Bengal	—·011	+·013	+·001
United Provinces	—·014	+·006	—·004
Punjab	—·015	0	—·008
North-West Frontier Province	—·030	—·011	—·021
Sind	—·018	—·027	—·023
Rajputana	—·007	—·014	—·011
Bombay	+·011	—·009	+·001
Central India	—·009	—·007	—·008
Central Provinces	+·003	—·006	—·002
Hyderabad	+·007	+·004	+·006
Mysore	+·011	—·004	+·004
Madras	+·011	—·002	+·005

(*d*) The vertical pressure gradient was unusually small in January which was a very dry month, and well above its normal value in February during which period weather was much more disturbed than usual.

TABLE 46.

Pair of stations.	DEPARTURE FROM NORMAL OF VERTICAL PRESSURE DIFFERENCES.				
	October 1906	November 1906.	December 1906.	January 1907.	February 1907.
	"		"	"	"
Lahore and Leh	—·013	—·045	—·038	—·083	+·025
Jacobabad and Quetta	+·018	—·018	—·006	—·062	+·043
Peshawar and Murree	—·027	—·037	—·029	—·047	+·016
Ludhiana and Simla	—·003	—·008	+·001	—·038	+·039
Roorkee and Chakrata	+·003	—·003	+·002	—·020	+·039
Dhubri and Darjeeling	—·006	—·010	—·022	—·066	+·003
Deesa and Mount Abu	+·008	—·012	—·010	—·019	+·010
Khandwa and Pachmarhi	+·013	—.007	—·005	—·004	+·006

II.—The hot weather period.

(*a*) Pressure was above normal throughout the period by amounts averaging ·025″.

The general pressure conditions of the period at the level of the plains were thus similar to those which held in the corresponding season of 1905 when the mean departure was +·031″.

TABLE 47.

MONTH.	Departure from normal of mean 8 hrs. pressure.
	"
March	+·026
April	+·025
May	+·025

(*b*) The local features of the pressure distribution over a large part of the country were neither persistent nor strongly marked :—

TABLE 48.

Division.	EXCESS OF PRESSURE DEPARTURE OVER GEOGRAPHICAL MEAN OF INDIA.			
	March.	April.	May.	Period, March to May.
	"	"	"	"
Burma	—·002	—·016	—·024	—·014
Eastern Bengal and Assam	+·032	+·004	—·018	+·006
Bengal	+·018	+·012	—·007	+·008
United Provinces	+·015	+·010	+·003	+·009
Punjab	+·017	+·007	+·018	+·014
North-West Frontier Province	+·003	—·012	+·015	+·002
Sind	—·007	—·013	+·036	+·005
Rajputana	—·008	—·007	+·024	+·008
Bombay	—·016	—·010	+·008	—·006
Central India	—·009	+·001	+·020	+·004
Central Provinces	—·014	+·013	+·014	+·004
Hyderabad	—·008	+·012	—·006	—·001
Mysore	—·018	—·012	—·005	—·012
Madras	—·014	—·001	—·005	—·007

(*c*) The vertical gradient was very steep throughout the period, and during March and April this feature was associated with very wet weather.

TABLE 49.

Pair of stations.	DEPARTURE FROM NORMAL OF VERTICAL PRESSURE DIFFERENCES.			
	March.	April.	May.	Period, March to May.
	"	"	"	"
Lahore and Leh	+·123	+·052	+·050	+·075
Jacobabad and Quetta	+·040	+·037	+·035	+·037
Peshawar and Murree	+·054	+·007	+·026	+·029
Ludhiana and Simla	+·082	+·057	+·036	+·058
Roorkee and Chakrata	+·084	+·053	+·022	+·053
Dhubri and Darjeeling	+·043	+·025	—·003	+·022
Deesa and Mount Abu	+·016	+·045	+·001	+·021
Khandwa and Pachmarhi	+·017	+·025	+·018	+·020

(*d*) The pressure conditions were unsteady in east Turkistan, Persia, Arabia and the equatorial belt. On the average of the three months pressure was in slight defect at Mauritius and Baghdad, and in marked defect in Kashgar.

TABLE 50.

Station.	Departure of pressure from normal.			
	March.	April.	May.	Period, March to May.
		"	"	"
Mauritius	+·007	—·028	—·027	—·016
Seychelles	+·030	—·030	—·005	—·002
Zanzibar	+·022	—·033	—·012	—·008
Aden	+·023	+·008	+·052	+·028
Perim	+·011	+·013	P	P
Baghdad	—·067	—·032	+·029	—·023
Bushire	—·012	+·002	+·050	+·013
Jask	—·034	—·026	+·055	—·002
Muscat	—·010	+·039	+·076	+·035
Kashgar	*—·086?	*—·111?	*—·021?	*—·073?

* These numbers are queried because the normals are based upon very few years.

III.—The south-west monsoon period.

(*a*) Pressure was unsteady during this period; thus it was practically normal in June and July, in considerable defect in August and slightly above normal in September :—

TABLE 51.

Month.	Departure from normal of mean 8 hrs. pressure.
	"
June	+·001
July	—·005
August	—·027
September	+·010

(*b*) Pressure was locally in excess over the Peninsula, and central and northwest India, and in defect over the rest of the country: the anomalies were however generally small:—

TABLE 52.

Division.	Excess of pressure departure over geographical mean for India.				
	June.	July.	August.	September.	Period, June to September.
	"	"	"	"	"
Burma	—·002	+·006	—·002	—·019	—·004
Eastern Bengal and Assam.	—·012	+·011	—·027	—·035	—·016
Bedgal	—·034	+·005	—·045	—·021	—·024
United Provinces	+·005	—·015	—·012	—·010	—·008
Punjab	+·028	+·011	+·006	—·016	+·007
North-West Frontier Province.	+·045	+·011	+·009	—·040	+·006
Sind	+·029	+·031	—·002	+·021	+·020
Rajputana	+·029	+·025	—·006	+·028	+·019
Bombay	+·009	+·003	+·009	+·033	+·014
Central India	+·011	—·002	—·009	+·036	+·009
Central Provinces	+·007	+·003	—·004	+·038	+·011
Hyderabad	+·009	—·013	+·015	+·015	+·007
Mysore	+·004	—·018	+·034	+·001	+·005
Madras	—·005	—·015	+·035	+·001	+·004

(*c*) The vertical distribution of pressure was rather abnormal in character; thus there was a defect of pressure at the level of the hill stations, relatively to the neighbouring plains, in June and in some cases in September also; while opposite though feebly marked conditions prevailed in the two intervening months.

TABLE 53.

Pair of stations.	Departure from normal of vertical pressure differences.				
	June.	July.	August.	September.	Period, June to September.
	"	"	"	"	"
Lahore and Leh	+·033	—·015	—·018	—·022	—·006
Jacobabad and Quetta	+·065?	+·061?	+·011?	+·019?	+·039?
Peshawar and Murree	+·041	—·002	—·013	—·048	—·006
Ludhiana and Simla	+·018	—·007	—·004	+·001	+·002
Roorkee and Chakrata	—·001	—·023	—·003	+·006	—·005
Dhubri and Darjeeling	+·004	+·004	—·037	—·007	—·009
Deesa and Mount Abu	0	—·001	—·003	+·024	+·005
Khandwa and Pachmarhi.	+·005	—·008	+·028	+·020	+·011

The abnormalities of pressure revealed by these data may possibly have been connected with the prevalence of disturbances of an unusual character which occurred in the north during the greater part of the period, and with the failure of the rains in September.

(*d*) The departures from the normal distribution of pressure over the Indian monsoon region outside India are shown below :—

TABLE 54.

Station.	Departure of pressure from normal				
	June.	July.	August.	September.	Period, June to September.
	"	"	"	"	"
Mauritius	—·064	—·025	+·002	—·018	—·026
Seychelles	+·007	—·045	+·040	+·017	+·005
Zanzibar	—·013	+·002	+·032	+·021	+·011
Aden	+·031	+·007	+·032	+·024	+·024
Perim	+·083	+·124?	+·112	+·038	+·089?
Baghdad	—·011	+·023	—·051	—·027	—·017
Bushire	+·011	+·010	—·058	—·007	—·011
Jask	+·003	+·002	—·063	+·026	—·008
Muscat	+·026	+·015	—·037	+·026	+·008
Kashgar	*—·049?	*—·026?	*—·050?	*—·072?	—·049?

* These numbers are queried because the normals are based upon very few years.

It will be seen from the preceding data that the pressure conditions in the south of the Indian Ocean as represented by Mauritius were, during the greater part of the period, such as are associated with a good monsoon in India.

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

(*a*) Pressure was below normal throughout the period by amounts averaging ·010*.

TABLE 55.

Month.	Departure from normal of mean 8 hrs. pressure.
	"
October	—·008
November	—·014
December	—·008

(*b*) The defect of pressure during October and November extended much beyond the limits of India.

TABLE 56.

Station.	Departure of pressure from normal.			
	October.	November.	December.	Period, October to December.
	"	"	"	"
Mauritius	—·025	—·021	—·033	—·026
Seychelles	+·005	—·006	+·010	+·003
Zanzibar	+·006	—·005	+·011	+·004
Aden	+·016	—·020	+·018	+·005
Baghdad	+·029	—·014	+·084	+·033
Bushire	—·005	—·020	+·020	—·002
Jask	—·003	—·036	+·010	—·010
Muscat	—·005	—·020	+·020	—·002
Kashgar	—·112	—·027	+·018	—·040

(*c*) The only important features in the local distribution of pressure were a tendency in October for the barometer to be lower in respect to the normal in Burma and northeast India than in the Peninsula, and a reverse tendency in the two succeeding months.

TABLE 57.

Division.	Excess of pressure departure over geographical mean of India.			
	October.	November.	December.	Period, October to December.
	"	"	"	"
Burma	—·004	+·006	—·005	—·001
Eastern Bengal and Assam	—·003	+·017	—·006	+·003
Bengal	—·002	+·010	+·001	+·003
United Provinces	—·012	0	+·012	0
Punjab	—·020	—·001	+·016	—·002
North-West Frontier Province	—·034	—·023	—·001	—·019
Sind	+·013	—·008	+·015	+·007
Rajputana	+·005	—·001	+·013	+·006
Bombay	+·010	—·010	—·004	—·001
Central India	+·004	—·001	+·012	+·005
Central Provinces	+·012	+·001	+·003	+·005
Hyderabad	+·014	—·013	—·019	—·006
Mysore	+·007	—·007	—·012	—·004
Madras	+·006	—·004	—·009	—·002

(*d*) The vertical gradient was smaller than usual during the whole of the period—a circumstance unfavourable for an early winter.

TABLE 58.

PAIR OF STATIONS.	DEPARTURE FROM NORMAL OF VERTICAL PRESSURE DIFFERENCES.			
	October.	November.	December.	Period, October to December.
	"	"	"	"
Lahore and Leh	—·046	—·059	—·038	—·048
Jacobabad and Quetta	+·001	—·016	—·036	—·017
Peshawar and Murree	—·046	—·062	—·040	—·049
Ludhiana and Simla	—·012	—·005	+·020?	+·001?
Roorkee and Chakrata	—·015	—·011	—·002	—·009
Dhubri and Darjeeling	—·013	—·010	—·017	—·013
Deesa and Mount Abu	+·011	—·016	+·004	0
Khandwa and Pachmarhi	—·008	—·025	+·004	—·010

The year:—

(*a*) The average pressure of the country (as determined from 10 hrs. and 16 hrs. observations) was above normal from March to June and in September, and below it during the rest of the year. The departures during a large part of the year were small in amount and compensatory in character, and as the net result the pressure of the whole year differed by only —·003″ from the normal average of the country. The defect was as usual slightly more marked in the extra-tropical parts of India than within the tropics.

TABLE 59.

MONTH.	DEPARTURE FROM NORMAL OF MEAN PRESSURE.		
	Extra-tropical India.	Tropical India.	Whole India.
	"	"	"
January	—·017	—·015	—·016
February	—·012	—·010	—·011
March	—·001	+·005	+·002
April	+·001	+·015	+·008
May	+·012	+·019	+·015
June	+·007	+·002	+·004
July	+·002	—·006	—·002
August	—·031	—·012	—·022
September	—·003	+·023	+·010
October	—·015	+·001	—·007
November	—·009	—·021	—·015
December	+·007	—·021	—·006
Whole year	—·005	—·002	—·003

From the corresponding data of temperature given below it will be seen that in only four out of the twelve months the departures of temperature had the same sign as those of pressure—an indication that during a large part of the year there was at least a partial interdependence of the two elements.

TABLE 60.

MONTH.	DEPARTURE FROM NORMAL OF	
	Pressure.	Temperature.
	"	°
January	—·016	+2·1
February	—·011	—0·8
March	+·002	—3·1
April	+·008	—3·2
May	+·015	—1·3
June	+·004	0
July	—·002	+1·4
August	—·022	—0·5
September	+·010	+0·9
October	—·007	+1·6
November	—·015	+2·0
December	—·006	—0·1
Year	—·003	—0·1

(*b*) The defect of pressure was on the whole more marked at the level of the hill stations in northwest and central India than in the plains, and the vertical gradients were accordingly steeper than usual :—

TABLE 61.

PAIR OF STATIONS.	Departure from normal of vertical pressure differences.
	"
Lahore and Leh	0
Jacobabad and Quetta	+·017
Peshawar and Murree	—·009
Ludhiana and Simla	+·014
Roorkee and Chakrata	+·010
Dhubri and Darjeeling	—·006
Deesa and Mount Abu	+·006
Khandwa and Pachmarhi	+·007

(c) Pressure was on the mean of the year almost identical with the normal at Zanzibar and Seychelles, and in very slight defect at Mauritius.

Below are given the departures and progressive changes of pressure in the Indian land area during the past 33 years.

TABLE 62.

Year.	Number of stations.	Mean pressure.	Progressive variation.
		"	"
1875	33	—·007	
1876	35	—·007	000
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
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
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

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 1907. The tracks of these 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	March ...	8th to 10th ...	0·5″ (?) ...	Probably a storm of considerable intensity.	This storm formed over the south of the Bay during the 7th, and advancing along a course between west and south, broke up over the southeast of Ceylon during the 10th. The *Vadala*, which was involved in the storm area, experienced winds of hurricane violence on the early morning of the 8th. The storm did considerable damage to the town of Batticola. It may be noted that storms are of exceptional occurrence in the Bay in March, the only other instance on record having occurred in March 1892.
2	May ...	15th and 16th	0·16″ (?) ...	Feeble	This storm originated off the Arakan coast during the 14th; from there it travelled in an easterly direction, and was broken up as a definite system by the obstructive action of the Arakan Yoma. The strongest winds due to the storm were of force 6 or 7.
3	June ...	13th to 20th	0·38″ ...	Cyclonic storm of moderate intensity.	This storm formed during the 12th in the neighbourhood of the Circars coast in front of the first advance of monsoon winds and, travelling along a curved path parallel to the coast, passed across the Sandheads on the morning of the 18th. It then turned to west of north and, passing through west Bengal, disappeared in the vicinity of Chota Nagpur during the 20th. Gales were experienced by several vessels during its existence over the Bay.
4	" ...	23rd to 26th	0·63″ ...	Severe cyclonic storm	This storm formed on the 21st and 22nd over the head of the Bay nearly midway between False Point and Akyab, and thence travelled by a curved path into Chota Nagpur where it was broken up during the 26th. Winds of force 6 to 10 were experienced in the southern half of the storm.
5	August ...	12th to 18th	0·28″ ...	Cyclonic storm of moderate intensity.	This storm formed near the Orissa coast on the 11th and crossed the coast on the morning of the 14th. The centre was nearly midway between Chaibassa and Pendra at 8 hrs. of the 15th, near Sutna on the 16th, to the south of Agra on the 17th, and between Bikaner and Jodhpur on the 18th. Winds of force 6 were experienced by several vessels during its early stages.
6	" ...	26th and 27th	0·2″ ...	Cyclonic storm of feeble intensity.	This storm formed over the head of the Bay in the vicinity of the Orissa coast during the 25th and thence advanced along a north by west path into southwest Bengal, where it broke up as a definite system during the 27th. The maximum force of the winds due to the storm was 6.
7	October ...	5th and 6th...	0·3″ ...	Cyclonic storm of moderate intensity.	This storm originated over the north of the Bay during the 4th and, advancing in a northeasterly direction, broke up on the 6th on reaching the Chittagong coast. The strongest winds reported by vessels passing through the storm were of force 7.

BAY OF BENGAL—*concld.*

No.	Month.	Date.	Greatest observed barometric depression.	Character of storm.	Details of storm.
8	October ...	13th to 18th	1·5"(?) ...	Severe ...	This storm formed to the north of the Andamans during the 12th. The centre advanced northwestwards from about Lat. 15°N and Long. 91°E on the 13th to Lat. 16½°N and Long. 85½°E on the 15th; the storm then changed its course and during the next four days marched in a roughly southwesterly direction and lay off Madras on the morning of the 18th. It could not surmount the Eastern Ghats and was speedily broken up. Hurricane winds were experienced by the *Strathdee* on the 14th.
9	November ...	12th to 15th...	0·35" ...	Cyclonic storm of moderate intensity.	This storm formed over the south of the Bay on the 11th, and thence travelled in a northwesterly direction to the neighbourhood of Masulipatam where it broke up on the 15th. The *Braziliana* experienced winds of force 8 on the 14th.
10	" ...	24th to 26th...	0·2" ...	Cyclonic storm of moderate intensity.	This storm appeared over the southeast of the Bay on the 24th: it advanced westnorthwestwards towards the Madras coast at an average rate of about 20 miles an hour, and broke up during the 26th on reaching land. The greatest force of the winds experienced over the Bay during its existence was 7.

ARABIAN SEA.

No.	Month.	Date.	Greatest observed barometric depression.	Character of storm.	Details of storm.
1	June ...	4th to 6th ...	0·35″ (?) ...	Probably a storm of considerable intensity.	This storm was the development of a low pressure area which moved up the west coast of the Peninsula in front of the first advance of monsoon winds. It proceeded northwards from about Lat. 20° N., Long. 67° E. on the 4th to a position about 70 miles west of Kurrachee at 8 hrs. of the 6th. After crossing the coast the disturbance diminished rapidly in intensity and travelled up the valley of the Indus as a slight residual depression. Winds of over 70 miles an hour were felt at Kurrachee during the height of the storm; over the sea the strongest winds *actually* experienced by vessels, which were however at a great distance from the centre, were of force 9.
2	" ...	18th to 20th...	0·5″ (?) ...	Cyclonic storm of considerable intensity (?).	Like the previous storm this also originated in an area of low pressure which passed northwards up the east of the sea. It followed however a different path, travelling from a position about 220 miles to the west of Veraval on the 18th to Lat. 23½° N., Long. 66½° E, on the 20th, its position on the intervening day being 21¾° N., Long. 65½°. The *Colaba* experienced winds of huricane violence near the centre on the 18th.
3	November ...	9th to 13th ...	0·4″ (?) ...	Cyclonic storm of moderate or considerable intensity (?).	This storm apparently formed over the Arabian Sea nearly midway between Socotra and the north Malabar coast during the 8th, and advancing in a west by north direction was central in Lat. 13½° N., Long. 58½° at 8 hrs. of the 10th. It recurved considerably during the next four days and disappeared over the sea off Kuria Muria during the 13th. Winds of force 9 were experienced by the *City of Kurrachee* on the 11th.

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 1907 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 1907 :—

I.—The cold weather period.

(*a*) Over a large part of the country winds were of about their average steadiness, but feebler than usual.

(*b*) The direction of air movement varied a good deal from the normal in places, but the deviations were neither persistent nor of any significance from the standpoint of weather.

(*c*) In equatorial regions, as represented by Zanzibar and the Seychelles, the air motion was in all respects practically normal in January, during which month unusually dry weather prevailed in India; during February the movement was more easterly than usual and below the average strength and steadiness, while in India weather was very unsettled. The anomalous features of the air movement as observed in the lower strata of the atmosphere over India and the equatorial belt thus throw no light on the abnormalities of the weather of the period.

II.—The hot weather period.

(*a*) Over the land area of India the air movement was on the whole less strong than is usual during the period, this feature being most marked in the Indus valley. The steadiness was decidedly low in Burma, Bengal, Central India and Mysore, and about the average over the rest of the country.

(*b*) Land winds prevailed steadily during March over the head of the Bay where ordinarily sea breezes set in towards the end of February :—

TABLE 63.

Station.	Wind direction, March.	
	Actual.	Normal.
	°	°
Saugor Island	N 63 W	S 49 W
Barisal	N 18 E	S 18 W

(*c*) The air movement was unusual in direction during May over a large part of northwest India, on the west coast and in parts of the Deccan, the circulation in those regions being such as usually prevails during March.

TABLE 64.

Station.	Wind direction, May.	
	Actual.	Normal.
	°	°
Meerut	N 18 W	S 54 W
Ludhiana	N 70 E	S 44 E
Lahore	N 10 E	N 72 E
Multan	N 46 E	S 12 E
Sirsa	N 23 W	S 39 W
Jaipur	N 32 W	S 88 W
Jacobabad	N 45 W	S 53 E
Kurrachee	N 68 W	S 56 W
Bhuj	N 77 W	S 77 W
Ratnagiri	N 26 E	N 48 W
Karwar	N 34 E	N 30 W
Calicut	N 29 E	N 15 W
Hyderabad Deccan	N 65 W	S 82 W

(*d*) In the hill districts the deviations from normal directions were local and temporary.

(*e*) Over the equatorial regions the air movement had much more than its normal velocity in the eastern half, and was very unsteady in the western half, during the first three weeks of May.

III.—The south-west monsoon period.

A.—During June and July, when the rainfall was in general well below the normal, the air movement was characterized by several abnormal features of which the following were the more noteworthy :—

(*a*) There was an excess of the southerly or a deficiency of the westerly element in the wind direction over Burma—a circumstance unfavourable for abundant rainfall in that region.

TABLE 65.

Station.	WIND DIRECTION.			
	JUNE.		JULY.	
	Actual.	Normal.	Actual.	Normal.
	°	°	°	°
Mergui	S 1 E	S 79 W	S 8 E	S 70 W
Tavoy	S 45 W	S 55 W	S 45 W	S 61 W
Rangoon	S 7 W	S 37 W	S 29 W	S 45 W
Bassein	S 3 W	S 13 W	S 9 W	S 18 W
Diamond Island	S 29 W	S 39 W	S 48 W	S 43 W
Mandalay	S 14 E	S 1 W	S 15 W	S 5 E
Bhamo	N 45 E	N 81 W	S 23 E	N 70 W

(*b*) In the northern and western districts of northeast India the southerly element was either altogether suppressed or very weak, and the resultant direction, particularly in June, was on the whole from between north and east, thus indicating the failure of the Bay current to penetrate fully into these areas.

TABLE 66.

Station.	WIND DIRECTION.			
	JUNE.		JULY.	
	Actual.	Normal.	Actual.	Normal.
	°	°	°	°
Bogra	N 75 E	S 66 E	E	S 48 E
Jalpaiguri	N 76 E	S 86 E	N 85 E	N 88 E
Purnea	N 61 E	N 84 E	E	S 81 E
Darbhanga	N 62 E	S 75 E	N 87 E	S 80 E
Patna	N 74 E	S 87 E	S 87 E	N 81 E
Gaya	N 66 E	S 66 E	S 6 W	S 2 E
Benares	N 78 E	S 89 E	S 24 E	S 7 E
Allahabad	N 9 E	N 46 E	S 45 W	S 27 W

(*c*) There was an undue preponderance of northerly components in northwest and central India up to the level of the lower hill stations. This would indicate the existence of a fairly deep dry current in this region, not improbably connected with heavy snowfall in the mountain zone bordering upper India.

TABLE 67.

Station.	WIND DIRECTION.			
	JUNE.		JULY.	
	Actual.	Normal.	Actual.	Normal.
	°	°	°	°
Cherat	N 8 W	S 79 E	N 66 W	S 18 E
Murree	N 88 E	S 63 E	N 15 E	S 86 E
Simla	N 23 W	N 41 E	N 15 W	N 31 E
Delhi	N 47 W	S 44 E	N 52 W	S 22 E
Sirsa	N 84 W	S 27 W	S 71 W	S 16 W
Lahore	N 24 W	S 60 E	N 83 W	S 42 E
Sialkot	N 41 E	N 81 E	N 43 E	S 85 E
Jaipur	N 68 W	S 88 W	N 68 W	S 73 W
Indore	N 23 W	S 87 W	N 79 W	S 81 W
Khandwa	N 52 W	N 87 W	N 60 W	W

(*d*) The air motion was neither as steady nor as vigorous as usual in Burma, parts of northwest India and the greater part of the Peninsula: it was on the other hand very steady in Rajputana and northeast India particularly during July.

TABLE 68.

Division.	DEPARTURE FROM NORMAL OF WIND STEADINESS.		DEPARTURE FROM NORMAL OF HOURLY WIND VELOCITY.	
	June.	July.	June.	July.
Burma	— 9	—11	—0·3	—0·7
Eastern Bengal and Assam	+ 4	+ 7	+0·8	—0·9
Bengal	— 8	+13	+1·2	0
United Provinces	— 3	+ 9	—0·2	+0·2
Punjab	—13	— 9	+0·3	+0·8
North-West Frontier Province	+ 3	+ 1	—0·8	—1·1
Sind	—21	+ 3	—4·6	—3·8
Rajputana	+ 4	+14	+0·8	—0·1
Bombay	— 5	— 7	—0·7	—3·2
Central India	— 3	+ 4	—0·5	—0·7
Central Provinces	— 3	— 5	+1·3	—0·4
Hyderabad	+ 4	— 5	—1·3	—4·9
Mysore	— 5	— 8	—0·9	—1·5
Madras	+ 4	— 5	+1·5	+0·3

(*e*) In the Indian Ocean, as represented by Zanzibar, Seychelles and Mauritius, the air movement differed in some important respects from the normal in July.

TABLE 69.

Station.	Daily wind velocity, July.			Wind direction, July.	
	Actual.	Normal.	Departure from normal.	Actual.	Normal.
				°	°
Zanzibar	252	197	+55	S 5 E	S 6 E
Seychelles	321	289	+32	S 5 E	S 33 E
Mauritius	261	287	−26	S 49 E	S 64 E

B.—In August, the month of unusually abundant rainfall, the chief features were:—

(*a*) The air circulation was on the whole steadier than usual: the velocity was however practically normal, except locally in Madras, the Central Provinces and Sind.

TABLE 70.

Division.	Departure from normal of	
	Wind steadiness, August.	Hourly wind velocity, August.
Burma	+ 1	+0·1
Eastern Bengal and Assam	+13	−0·1
Bengal	+ 6	+0·7
United Provinces	+ 3	−0·5
Punjab	−14	+0·1
North-West Frontier Province	+ 6	−0·9
Sind	−10	−4·0
Rajputana	−29	− 0·5
Bombay	+ 7	+1·1
Central India	+ 7	+0·1
Central Provinces	+12	+2·2
Hyderabad	+ 1	+0·2
Mysore	+ 7	+0·9
Madras	+ 7	+2·1

(*b*) Winds blew with more than their usual southerly component in the Peninsula, and with a strong easterly component in the Punjab:—

TABLE 71.

Station.	Wind direction, August.	
	Actual.	Normal.
	°	°
Ratnagiri	S 64 W	S 74 W
Karwar	S 53 W	N 81 W
Sholapur	S 67 W	S 83 W
Bijapur	S 72 W	S 82 W
Belgaum	S 72 W	S 83 W
Gulbarga	S 54 W	N 75 W
Raichur	S 48 W	S 81 W
Mysore	S 64 W	S 72 W
Cochin	S 60 W	N 13 W
Pamban	S 13 W	S 43 W
Trichinopoly	S 57 W	S 85 W
Cuddalore	S 52 W	S 73 W
Kurnool	S 73 W	N 89 W
Waltair	S 55 W	S 84 W
Delhi	S 51 E	S 27 W
Sirsa	S 33 E	S 42 W
Montgomery	S 46 E	S 12 W
Multan	S 56 E	S 14 E

(*c*) Over Chota Nagpur and the neighbouring districts the wind was deflected from its normal course owing to the abnormally low pressure of south-west Bengal.

TABLE 72.

Station.	Wind direction, August.	
	Actual	Normal.
	°	°
Burdwan	N 80 E	S 32 E
Sambalpur	S 82 W	S 30 W
Chaibassa	N 10 E	S 54 W
Ranchi	N 43 E	S 58 W
Hazaribagh	S 80 E	S 5 W
Gaya	N 37 E	S 52 E
Benares	N 49 E	S 54 E
Allahabad	N 22 W	N 79 W

(*d*) As in the previous month there was more southing and less easting than usual in the prevalent wind direction at the island stations in the Indian Ocean.

C.—(*a*) In an average September easterly winds persist in the Gangetic plain and in the east Punjab along the foot of the Himalayas, but in 1907 winds from the opposite quarter predominated over that region and extended well into the central districts of Bihar. In the central parts of the country and the Deccan the northerly element in the winds was much in excess; while on the west coast the direction varied very irregularly from the normal. In fact the air circulation over northern India was such as is characteristic of April rather than of September.

TABLE 73.

Station.	Wind direction, September.	
	Actual.	Normal.
	°	°
Lahore	S 82 W	S 34 E
Ludhiana	S 83 W	S 20 E
Roorkee	N 50 W	S 58 E
Bareilly	N 41 W	S 56 E
Bahraich	N 89 W	S 68 E
Lucknow	N 75 W	S 83 E
Patna	N 50 W	S 74 E
Jaipur	N 50 W	N 68 W
Mainpuri	N 61 W	S 86 W
Indore	N 46 W	N 60 W
Khandwa	N 50 W	N 79 W
Pachmarhi	N 52 W	N 85 W
Surat	N 56 W	S 78 W
Sholapur	N 45 W	N 68 W
Bijapur	N 53 W	N 87 W
Hyderabad Deccan	N 61 W	N 83 W
Bombay	N 34 W	S 56 W
Ratnagiri	N 17 E	S 73 W
Karwar	S 82 W	N 36 W
Calicut	S 67 W	N 30 W

These peculiarities of the wind system were closely connected with the abnormal distribution of pressure, of which the chief features were a considerable defect along the base of the Himalayas, and a marked excess over Gujarat and the west of Central India and of the Central Provinces.

(*b*) As might be anticipated from the character of the pressure distribution, the air movement was very steady over northern and central India, but was in general somewhat below the average rate. Over the Peninsula both steadiness and velocity were low.

(*c*) At the observing stations in equatorial regions the directions were such as are usual, but the movement and steadiness were below the average. At Mauritius the direction of air movement was again more southerly than in a normal year, and the velocity was in decided defect.

D.—The preceding discussion has shown that the deviations from the normal type of air movement were chiefly local and temporary. The data for the whole period June to September indicate that the monsoon currents were of approximately normal intensity over practically the whole of the country with the exception of Sind and Hyderabad. Since the rainfall over the Indian region was in decided defect in seven of the fourteen chief political divisions, it is clear that there was no close correspondence between the departures of rainfall and those of the air movement.

The available marine information shows that over the east and south of the Arabian Sea winds were abnormal in direction during the first fortnight of July, blowing on most days from a direction between west and north. The latter feature was apparently associated with the prevalence at the time of very unusual winds over the west of the Indian Ocean. Thus the *SS Monsoorie* which left Mauritius for Bombay on the 3rd experienced between Mauritius and the parallel of 12° S. east to north-east winds of force three to six; and thence to the equator which she crossed about 300 miles to the east of the Seychelles on the 10th, winds were light and very irregular.

There is also evidence in ships' logs of the prevalence over the west of the equatorial belt of very unusual conditions during the second half of August and in September. The statement below illustrates the character of the abnormalities of the air movement :—

TABLE 73*a*.

Date.	Name of vessel.	Position.		Wind.	
		Lat.	Long.	Direction.	Force.
		° ′	° ′		
16th August 1907	*Piroozi* ...	4 12 S	61·03 E	E	2
17th " "	" ...	1·30 S	62·37 E	E by N	2
18th " "	" ...	1·21 N	63·20 E	Calm	0
28th " "	*Umsinga* ...	18·03 S	39·41 E	Var.	2
29th " "	" ...	15·03 S	42·19 E	Calm	0
30th " "	" ...	11·29 S	45·01 E	N. E.	4
3rd Sept. 1907	*Mozaffari* ...	7·46 S	59·04 E	N	2
4th " "	" ...	4·48 S	60·34 E	N	2
5th " "	" ...	1·57 S	62·32 E	S E.	2
6th " "	" ...	1·12 N	63·32 E	Var.	2
18th " "	*Ocean Prince* ...	0·39 N	62·49 E	Var.	2
19th " "	" ...	4·21 N	64·46 E	N	4
20th " "	" ...	7·34 N	66·28 E	N.N.E.	4 to 5
21st " "	" ...	11·01 N	68·15 E	N	4

The data furnished by the *Piroozi* are very noteworthy as showing that the commencement of abnormal actions in the equatorial belt preceded by a week the collapse of the monsoon in north west India.

IV.—The retreating south-west monsoon period.

(*a*) Winds were of about the usual strength over nearly the whole of India, and were remarkably steady in direction over the central parts of the country and in Sind.

TABLE 74.

Division.	Departure from normal of period, October to December.	
	Wind steadiness.	Hourly wind velocity.
Burma	—5	+0·5
Eastern Bengal and Assam	—6	—0·2
Bengal	+4	—0·1
United Provinces	—2	—0·5
Punjab	+4	+0·1
North-West Frontier Province	—1	—0·6
Sind	+13	—1·0
Rajputana	+11	+0·4
Bombay	—1	—1·0
Central India	+18	—0·8
Central Provinces	+9	0
Hyderabad	+10	—0·3
Mysore	—9	—0·8
Madras	—3	+0·9

(*b*) On the Madras coast the prevailing direction in November and December was considerably more easterly than is normally the case.

TABLE 75.

Station.	Wind direction.			
	November.		December.	
	Actual.	Normal.	Actual.	Normal.
	°	°	°	°
Waltair	N 31 E	N 15 W	N 28 E	N 31 W
Cocanada	N 38 E	N 12 E	N 71 E	N 5 E
Masulipatam	N 47 E	N 14 E	N 45 E	N 15 E
Nellore	N 38 E	N 44 W	N 6 W	N 51 W
Cuddalore	N 35 E	N 25 W	N 41 E	N 10 W

(*c*) At the hill stations in southern India the directions of movement agreed fairly well with those in the plains below, an indication that the drift of air from the Bay across the south of the Peninsula was at least 8,000 or 9,000 feet in depth: this is believed to be a greater depth than usual.

TABLE 76.

Station.	Height in feet.	Actual wind direction.	
		November.	December.
		°	°
Kodaikanal	7,688	N 11 E	N 37 E
Madura	447	N 8 E	N 9 E
Ootacamund	7,322	S 79 E	N 88 E
Coimbatore	1,348	N 73 E	N 41 E

(*d*) The final withdrawal of the monsoon currents from the Bay occurred a little later than usual, at the end of the third week of December.

(*e*) In the west of the equatorial region, as represented by the Seychelles and Zanzibar, the trade winds circulation was of the usual type.

Humidity.

The departures from normal of the mean monthly and annual aqueous vapour pressure and relative humidity for the year 1907 are given in Tables 77 and 78. 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 four tables (Tables 79 to 82) give departure data of aqueous vapour pressure and relative humidity for each month of the year and for the year:—

1st.—For thirteen meteorological areas adopted in the geographical summaries of meteorological data in the Annual Reports issued by the department previous to 1891, and in the Geographical Summaries published in the Annual Summaries from 1891 onwards.

2nd.—For the fourteen chief political divisions.

TABLE 77.—*Departure of the monthly and annual mean vapour pressure data of 1907 from the average of past years.*

Division.	Station.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
		"	"	"	"	"	"	"	"	"	"	"	"	"
Burma	Rangoon	+·004	−·022	+·038	−·021	−·017	−·009	+·002	−·012	−·014	−·014	+·045	−·057	−·006
Bengal	Calcutta	+·041	+·025	−·033	−·056	−·068	−·019	+·001	−·013	−·012	−·015	−·025	−·022	−·016
United Provinces of Agra and Oudh.	Allahabad	−·001	+·075	−·027	+·041	−·096	−·127	−·137	−·006	−·169	−·221	−·098	−·097	−·072
	Dehra Dun	+·043	+·032	+·029	+·087	−·025	−·160	−·113	+·016	−·031	−·066	−·033	−·051	−·023
Punjab	Lahore	+·079	+·064	+·008	+·123	−·020	−·036	−·135	+·029	−·065	−·055	−·012	−·054	−·005
Rajputana	Jaipur	−·004	+·047	−·052	+·057	−·092	−·119	−·120	+·044	−·115	−·074	−·063	−·085	−·048
Bombay	Bombay	+·034	−·007	−·022	−·042	−·049	−·015	+·006	−·010	−·010	+·026	−·005	−·076	−·014
Central Provinces	Buldana	−·026	+·054	−·017	+·080	−·115	−·028	−·092	−·005	−·097	−·147	−·063	−·111	−·047
	Nagpur	−·030	+·079	+·004	+·109	−·106	−·049	+·008	−·017	−·061	−·085	−·031	−·053	−·019
Hyderabad	Hyderabad	−·002	+·005	−·007	+·011	−·165	−·071	−·012	−·023	−·060	−·170	−·017	−·046	−·016
Mysore	Bangalore	+·022	+·010	−·002	+·007	−·042	−·006	+·015	−·014	−·012	−·066	+·028	−·007	−·006
	Mysore	−·015	−·034	+·002	+·008	−·012	−·026	−·001	−·019	−·042	−·042	+·012	−·024	−·016
Madras	Madras	+·012	+·031	+·019	−·003	−·064	−·060	+·026	−·030	+·030	+·011	+·035	−·004	0
Station in the Bay	Port Blair	−·032	−·041	−·037	−·071	−·071	−·057	−·042	−·043	−·035	−·047	−·044	−·038	−·047
Kashmir	Srinagar	+·049	+·006	−·039	+·020	−·021	−·067	−·088	−·015	+·024	+·025	+·027	−·007	−·007
	Leh	+·016	+·003	−·016	−·003	−·019	−·034	+·053	+·004	−·014	−·007	−·005	−·011	−·003
Baluchistan	Quetta	−·017	+·014	−·040	−·007	−·064	−·065	−·071	−·017	−·046	−·024	−·025	−·039	−·033
Hill stations excluding Kashmir and Baluchistan.	Simla	+·008	+·009	−·015	+·015	−·037	−·106	−·109	−·014	−·027	−·051	−·024	−·045	−·033
	Chakrata	+·081	+·020	+·008	+·081	+·021	−·071	−·073	+·014	+·002	−·030	+·012	−·020	0
	Katmandu	−·007	+·011	−·030	+·013	−·049	−·043	−·017	−·001	−·004	−·027	+·016	−·048	−·016
	Darjeeling	+·026	+·024	+·005	+·023	+·031	−·006	+·009	+·028	+·023	+·012	+·025	+·008	+·017
	Pachmarhi	−·055	+·058	−·019	+·066	−·086	−·072	−·019	−·007	−·076	−·045	P	−·071	P
	Mount Abu	+·007	+·103	+·095	+·092	+·027	−·019	−·010	+·036	−·060	−·035	+·043	−·057	+·019
	Chikalda	−·016	+·054	0	+·074	−·079	−·063	+·006	0	−·030	−·040	−·039	−·060	−·016
Extra India	Zanzibar	−·006	+·004	−·045	−·003	−·019	−·033	−·070	−·031	−·038	−·007	−·010	−·030	−·024
	Seychelles	−·006	−·014	−·028	−·002	−·020	−·036	−·016	−·034	−·008	+·013	−·012	−·021	−·015
	Mauritius	−·077	−·030	−·003	−·006	−·027	+·019	−·025	−·066	−·045	−·005	+·037	+·087	−·012

TABLE 78.—*Departure of the monthly and annual mean relative humidity data of 1907 from the average of past years.*

DIVISION.	STATION.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	YEAR.
BURMA	Rangoon	0	− 3	+ 2	− 2	+ 1	− 3	− 4	− 1	− 4	− 1	− 2	− 6	− 2
BENGAL	Calcutta	− 2	+ 1	+ 1	− 1	− 6	− 1	− 2	− 2	− 4	− 8	− 7	− 4	− 3
UNITED PROVINCES OF AGRA AND OUDH.	Allahabad	− 3	+13	+ 5	+ 8	− 7	−11	−19	0	−20	−24	−14	−13	− 7
	Dehra Dun	+ 2	+11	+16	+18	− 1	−17	−19	− 2	−10	−14	− 9	−11	− 3
PUNJAB	Lahore	+ 4	+17	+10	+13	0	0	−14	+ 2	− 9	− 7	− 5	− 9	+ 1
RAJPUTANA	Jaipur	− 8	+12	− 2	+ 9	− 7	−15	−19	+ 4	−16	−11	−12	−16	− 7
BOMBAY	Bombay	0	0	− 2	− 5	− 3	− 2	0	0	− 4	0	− 4	− 9	− 2
CENTRAL PROVINCES	Buldana	− 5	− 6	− 6	+13	− 9	− 4	−20	+ 3	−12	−24	−13	−17	− 8
	Nagpur	− 2	+14	+ 4	+19	− 6	− 4	− 3	+ 4	− 8	−11	− 7	− 3	0
HYDERABAD	Hyderabad	+ 1	+ 3	0	+ 9	−12	− 3	− 2	+ 4	− 9	−19	− 9	− 5	− 4
MYSORE	Bangalore	+ 2	+ 2	+ 1	+ 7	− 3	+ 1	+ 1	0	− 4	−11	+ 2	− 4	− 1
	Mysore	− 1	− 4	+ 1	+ 4	− 1	+ 1	− 2	+ 2	− 6	− 7	+ 1	− 2	− 1
MADRAS	Madras	+ 1	+ 2	+ 1	+ 1	− 7	− 7	0	− 7	− 2	0	+ 4	− 1	− 1
STATION IN THE BAY	Port Blair	− 3	− 1	+ 2	− 5	− 1	− 6	− 2	− 4	− 5	− 2	+ 3	− 2	− 2
KASHMIR	Srinagar	+ 1	− 3	0	+ 2	+ 2	0	− 5	− 2	− 4	− 4	− 2	− 6	− 2
	Leh	+10	+ 7	+ 5	0	− 3	− 2	− 3	+ 4	− 3	− 3	− 6	− 8	0
BALUCHISTAN	Quetta	−16	+ 9	− 5	+ 3	− 4	+ 2	− 7	− 1	− 5	− 2	− 7	−10	− 4
HILL STATIONS EXCLUDING KASHMIR AND BALUCHISTAN.	Simla	− 4	+14	+13	+12	− 3	−16	−20	+ 1	− 2	−14	− 9	−16	− 4
	Chakrata	0	+19	+24	+23	+ 4	−14	−19	+ 3	− 4	−12	− 3	−11	+ 1
	Katmandu	− 5	+ 3	+ 4	+ 6	− 6	− 4	+ 1	− 2	− 1	− 5	0	− 5	+ 1
	Darjeeling	− 4	+ 7	+ 8	+10	+ 3	0	− 1	− 2	− 1	− 1	+ 1	−10	+ 1
	Pachmarhi	−10	+12	+ 1	+14	− 7	− 9	−12	+ 3	−11	−10	?	− 9	?
	Mount Abu	− 2	+30	+18	+18	+ 5	− 1	− 8	+ 7	− 4	− 5	+ 4	−11	+ 4
	Chikalda	0	+16	+ 4	+15	− 6	− 8	− 7	+ 2	− 8	−13	−10	− 8	− 2
EXTRA INDIA	Zanzibar	+ 2	0	− 5	0	− 2	− 4	− 8	− 3	− 4	− 2	− 4	− 4	− 3
	Seychelles	− 1	− 1	− 4	− 1	− 3	− 4	− 3	− 2	0	− 1	− 3	− 4	− 2
	Mauritius	− 3	− 2	0	− 1	− 2	+ 4	− 3	− 7	− 4	− 2	+ 2	+17	− 1

TABLE 79.—*Geographical summary of the aqueous vapour pressure departure data of Table A in the Monthly Weather Reviews of 1907.*

METEOROLOGICAL AREA.	Number of stations.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	YEAR.
		"	"	"	"	"	"	"	"	"	"	"	"	"
North-West Himalayas	4	+·026	+·010	—·016	+·028	—·014	—·070	—·054	—·003	—·004	—·016	+·003	—·021	—·011
Sikkim Himalayas and Nepal	2	+·010	+·018	—·013	+·018	—·009	—·025	—·004	+·014	+·010	—·008	+·021	—·020	+·001
Punjab Plains	1	+·079	+·064	+·008	+·123	—·020	—·036	—·135	+·039	—·065	—·055	—·012	—·054	—·005
Gangetic Plain	2	+·021	+·054	+·001	+·064	—·061	—·144	—·125	+·005	—·100	—·144	—·066	—·074	—·047
Western Rajputana	1	+·007	+·103	+·095	+·092	+·027	—·019	—·010	+·036	—·060	—·035	+·013	—·057	+·019
Eastern Rajputana and Central India	1	—·004	+·047	—·052	+·057	—·022	—·119	—·120	+·044	—·115	—·074	—·063	—·085	—·048
Lower Bengal	1	+·041	+·025	—·033	—·056	—·068	—·019	+·001	—·013	—·012	—·015	—·025	—·022	—·016
Central Provinces (South) and Berar	4	—·032	+·061	—·008	+·082	—·096	—·053	—·024	—·007	—·066	—·079	—·044	—·074	—·028
Konkan	1	+·034	—·007	—·022	—·042	—·049	—·015	+·006	—·010	—·010	+·026	—·005	—·076	—·014
Deccan, Hyderabad and Mysore	3	+·002	—·006	—·002	+·009	—·073	—·035	+·001	—·019	—·038	—·093	+·008	—·026	—·023
East Coast and Carnatic	1	+·012	+·031	+·019	—·003	—·064	—·060	+·026	—·030	+·030	+·011	+·035	—·004	0
Arakan and Pegu	1	+·004	—·022	+·038	—·021	—·017	—·009	+·002	—·012	—·014	—·014	+·045	—·057	—·006
Bay Islands	1	—·032	—·041	—·037	—·071	—·071	—·057	—·042	—·043	—·035	—·047	—·044	—·038	—·047
Extra-Tropical India	12	+·024	+·035	—·006	+·041	—·029	—·067	—·062	+·011	—·037	—·045	—·011	—·041	—·016
Tropical India	10-11	—·009	+·015	—·004	+·020	—·073	—·041	—·009	—·016	—·037	—·056	—·008	—·048	—·022
Whole India	22-23	+·008	+·025	—·005	+·031	—·050	—·055	—·037	—·002	—·037	—·051	—·010	—·044	—·019

TABLE 80.—*Geographical Summary of the relative humidity departure data of Table A in the Monthly Weather Reviews of 1907.*

METEOROLOGICAL AREA.	Number of stations.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	YEAR.
North-West Himalayas	4	+2	+9	+11	+9	0	—8	—12	+2	—3	—8	—5	—10	—1
Sikkim Himalayas and Nepal	2	—5	+5	+6	+8	—2	—2	0	—2	—1	—3	+1	—8	0
Punjab Plains	1	+4	+17	+10	+18	0	0	—14	+2	—9	—7	—5	—9	+1
Gangetic Plain	2	—1	+12	+11	+13	—4	—14	—19	—1	—15	—19	—12	—12	—5
Western Rajputana	1	—2	+30	+18	+18	+5	—1	—8	+7	—4	—5	+4	—11	+4
Eastern Rajputana and Central India	1	—8	+12	—2	+9	—7	—15	—19	+4	—16	—11	—12	—16	—7
Lower Bengal	1	—2	+1	+1	—1	—6	—1	—2	—2	—4	—8	—7	—4	—3
Central Provinces (South) and Berar	3-4	—4	+9	+1	+15	—7	—6	—11	+3	—10	—15	—10	—9	—4
Konkan	1	0	0	—2	—5	—3	—2	0	0	—4	0	—4	—9	—2
Deccan, Hyderabad and Mysore	3	+1	0	+1	+7	—5	0	—1	+2	—6	—12	—2	—	—2
East Coast and Carnatic	1	+1	+2	+1	+1	—7	—7	0	—7	—2	0	+4	—1	—1
Arakan and Pegu	1	0	—3	+2	—2	+1	—3	—4	—1	—4	—1	—2	—6	—2
Bay Islands	1	—3	—1	+2	—5	—1	—6	—2	—4	—5	—2	+3	—2	—2
Extra-Tropical India	12	—1	+11	+9	+10	—2	—7	—11	+1	—7	—9	—5	—10	—2
Tropical India	10-11	—2	+3	+1	+6	—5	—4	—5	0	—4	—9	—4	—6	—3
Whole India	22-23	—1	+7	+5	+8	—3	—5	—8	0	—6	—9	—4	—8	—2

TABLE 81.—*Departure of the mean monthly and annual aqueous vapour pressure from the normal in the fourteen chief political divisions of India in 1907.*

Division.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	YEAR.
	"	"	"	"	"	"	"	"	"	"	"	"	"
Burma	+·040	+·009	+·007	—·029	—·019	—·001	+·012	+·007	+·003	—·002	+·026	+·004	+·005
Eastern Bengal and Assam	+·039	+·007	—·028	—·051	—·031	—·024	—·008	0	—·011	—·019	—·019	—·017	—·014
Bengal	+·025	+·032	+·004	—·044	—·072	—·029	+·018	—·001	—·016	—·044	—·043	—·038	—·017
United Provinces	+·040	+·039	+·023	+·084	—·057	—·117	—·066	+·014	—·127	—·106	—·070	—·075	—·035
Punjab	+·054	+·039	+·004	+·082	—·046	—·093	—·147	+·034	—·074	—·033	—·024	—·057	—·022
North-West Frontier Province	+·047	+·024	—·022	+·031	—·036	—·096	—·128	—·035	—·013	—·012	+·006	—·044	—·023
Sind	+·070	+·035	—·004	+·027	—·125	+·012	+·036	+·098	+·008	+·024	+·014	—·038	+·013
Rajputana	+·027	+·057	+·014	+·083	—·005	—·062	—·026	+·053	—·064	+·004	+·009	—·057	+·008
Bombay	+·035	+·044	+·009	+·005	—·072	—·010	—·002	+·006	—·033	—·027	—·039	—·069	—·013
Central India	+·006	+·038	+·019	+·064	—·108	—·063	—·027	—·005	—·101	—·078	—·033	—·078	—·031
Central Provinces	—·005	+·077	+·005	+·061	—·071	—·068	—·014	—·030	—·087	—·111	—·066	—·083	—·033
Hyderabad	+·005	+·045	+·062	+·020	—·057	—·047	—·003	—·034	—·058	—·112	+·012	—·039	—·017
Mysore	+·017	+·042	—·020	—·014	—·004	+·003	+·015	—·007	—·001	—·017	+·042	+·008	+·005
Madras	+·020	+·026	+·009	—·001	+·016	—·015	+·014	—·032	—·012	—·023	+·017	—·012	+·001
Mean of India when the size of the above areas is taken into account.	+·029	+·037	+·008	+·022	—·046	—·043	—·020	+·002	—·045	—·042	—·017	—·044	—·013

TABLE 82.—*Departure of the mean monthly and annual relative humidity from the normal in the fourteen chief political divisions of India in 1907.*

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

I.—The cold weather period.

The air was considerably damper than usual throughout the period. This characteristic was on the whole more marked in northern India than in the Peninsula, and dampness was almost as great in January, a month of defective precipitation, as in February which was very rainy.

TABLE 83.

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	+·040	+·009	+·025	+2	+2	+2
Eastern Bengal and Assam.	+·039	+·007	+·023	0	0	0
Bengal	+·025	+·032	+·029	+2	+7	+5
United Provinces	+·040	+·039	+·040	+4	+11	+8
Punjab	+·054	+·039	+·047	+4	+9	+7
North-West Frontier Province.	+·047	+·024	+·036	+9	+9	+9
Sind	+·070	+·035	+·053	+6	+9	+8
Rajputana	+·027	+·057	+·042	—2	+11	+5
Bombay	+·035	+·044	+·040	+3	+6	+5
Central India	+·006	+·038	+·022	+1	+10	+6
Central Provinces	—·005	+·077	+·036	+1	+12	+7
Hyderabad	+·005	+·045	+·025	—1	+6	+3
Mysore	+·017	+·042	+·030	+5	+7	+6
Madras	+·020	+·026	+·023	+2	+2	+2

In the Himalayan region, Baluchistan and southern Persia the conditions were similar in their general character to those in the plains of India.

TABLE 84.

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.
	"	"	"			
Bushire	+·006	+·004	+·005	+2	+9	+6
Muscat	+·061	+·010	+·036	+5	+3	+4
Chaman	+·030	+·019	+·025	+1	+14	+8
Quetta	—·011	+·012	+·001	—11	+9	—1
Murree	+·010	+·008	+·009	—8	+10	+1
Gilgit	—·010	+·012	+·001	—15	+4	—6
Srinagar	+·020	+·011	+·016	—6	—3	—5
Simla	+·017	+·010	+·014	—4	+11	+4
Leh	+·025	+·022	+·024	+17	+23	+20
Chakrata	+.027	+·024	+·026	—3	+15	+6
Darjeeling	+·013	+·008	+·011	—8	+3	—3

It is difficult to account for the high absolute humidity of January. The preceding data show that it was due to actions operating over a larger area than that of India, and also through a great depth of the atmosphere.

II.—The hot weather period.

(*a*) Humidity, both absolute and relative, was above the normal over the greater part of the country in March and April, while the weather was generally more rainy than usual. Humidity was in defect in May, when less rain than usual fell throughout India except in Burma and Rajputana.

The abnormal features of the hygrometric conditions of these months were thus parallel with those of rainfall over a large part of the country.

TABLE 85.

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	+·007	—·029	—·019	—·014	+3	0	0	+1
Eastern Bengal and Assam	—·028	—·051	—·031	—·037	+3	+2	—1	+1
Bengal	+·004	—·044	—·072	—·037	+7	+3	—3	+2
United Provinces	+·023	+·084	—·057	+·017	+12	+15	—3	+8
Punjab	+·004	+·082	—·046	+·013	+11	+17	—1	+9
North-West Frontier Province	—·022	+·031	—·036	—·009	+7	+11	—1	+6
Sind	—·004	+·027	—·125	—·034	0	+6	—9	—1
Rajputana	+·014	+·083	—·005	+·031	+7	+12	0	+6
Bombay	+·009	+·005	—·072	—·019	+3	+5	—5	+1
Central India	+·019	+·064	—·108	—·008	+7	+13	—6	+5
Central Provinces	+·005	+·061	—·071	—·002	+3	+16	—4	+5
Hyderabad	+·062	+·020	—·057	+·008	+8	+11	—6	+4
Mysore	—·020	—·014	—·004	—·013	—2	+2	—1	0
Madras	+·009	—·001	+·016	+·008	0	+3	+1	+1

(*b*) In the western Himalayas the air, on the mean of the period, contained less aqueous vapour than usual, although owing to the low temperature the percentage of saturation was above normal.

TABLE 86.

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.
	"	"	"	"				
Murree	—·011	+·037	—·011	+·005	+12	+16	+1	+10
Gilgit	—·043	—·015	—·015	—·024	—7	—6	+4	—3
Srinagar	—·036	—·005	—·029	—·023	—3	+2	+4	+1
Simla	—·011	+·020	—·032	—·008	+9	+12	—2	+6
Leh	—·003	+·015	—·014	—·001	+14	+5	—4	+5
Chakrata	+·011	+·093	+·093	+·066	+23	+27	+20	+23
Darjeeling	—·018	—·019	—·012	—·016	+3	+3	—2	+1

(*c*) In Baluchistan and Persia the hygrometric conditions varied rather irregularly from the normal, an indication that they were determined chiefly by local actions.

TABLE 87.

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.
	"	"	"	"				
Quetta	—·044	—·011	—·106	—·054	—10	+2	—12	—7
Chaman	—·038	—·019	+·017	—·013	—3	—4	+10	+1
Jask	—·004	—·057	—·097	—·053	—5	+1	—6	—3
Bushire	—·004	+·049	+·105	+·050	+7	+13	+6	+9
Ispahan	—·047	—·087	—·085	—·073	—9	—6	+4	—4
Tehran	+·028	+·108	+·065	+·067	+21	+32	+28	+27

III.—The south-west monsoon period.

As is ordinarily the case the abnormalities of the humidity conditions during this period were related directly to the anomalies of the rainfall distribution: thus humidity, relative and absolute, agreed closely with the normal in Burma, north-east India, Sind, Bombay and the south of the Peninsula—areas of small rainfall departures; and was in considerable defect over the region of scanty rainfall which included the greater part of northwestern and central India. The region of greatest dryness of the air was on the whole defined by the boundaries of the United Provinces, the Punjab and Central India, and coincided with that of the maximum deficiency of rainfall.

TABLE 88.

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	—·001	+·012	+·007	+·003	+·005	+1	+1	+1	+1	+1
Eastern Bengal and Assam	—·024	—·008	0	—·011	—·011	0	+1	—3	—1	—1
Bengal	—·029	+·018	—·001	—·016	—·007	—2	0	0	—2	—1
United Provinces	—·117	—·066	+·014	—·127	—·074	—16	—14	—1	—15	—12
Punjab	—·093	—·147	+·034	—·074	—·070	—6	—16	+3	—11	—8
North-West Frontier Province	—·096	—·128	—·035	—·013	—·068	—2	—10	—2	—5	—5
Sind	+·012	+·036	—·001	+·008	+·014	+3	—2	+3	+3	+2
Rajputana	—·062	—·026	+·053	—·064	—·025	—7	—12	+8	—4	—4
Bombay	—·010	—·002	+·006	—·033	—·010	—1	—1	+3	—3	—1
Central India	—·063	—·027	—·005	—·101	—·049	—11	—11	+3	—11	—8
Central Provinces	—·068	—·014	—·030	—·087	—·050	—7	—5	+1	—10	—5
Hyderabad	—·047	—·003	—·034	—·058	—·036	—4	0	0	—9	—3
Mysore	+·003	+·015	—·007	—·001	+·003	0	+1	+3	—2	+1
Madras	—·015	+·014	—·032	—·012	—·011	0	+1	—2	—2	—1

(*a*) The air was as dry in Baluchistan and at the hill stations in the western Himalayas as in the plains of upper India.

TABLE 89.

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.
	"	"	"	"	"					
Chaman	—·057	+·130?	+·254?	+·104?	+·108?	+2	+18?	+36?	+23?	+20?
Quetta	—·135	—·048	—·011	—·072	—·067	—6	—5	—4	—12	—7
Murree	—·073	—·118	+·008	+·011	—·043	—7	—21	0	—7	—9
Gilgit	—·020	—·099	—·062	—·061	—·061	+	—7	—4	—14	—4
Srinagar	—·107	—·108	—·046	—·047	—·077	+1	—6	—6	—5	—4
Simla	—·095	—·104	—·006	+·007	—·050	—15	—20	0	+6	—7
Leh	—·037	—·037	—·002	—·012	—·022	—3	—4	—2	—8	—4
Chakrata	—·067	—·090	+·010	+·011	—·034	—14	—20	+1	—1	—9

(*b*) Further west in Persia the air was unusually damp.

TABLE 90.

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.
	"	"	"	"	"					
Bushire	+·187	+·174	—·111	—·030	+·055	+17	+15	—1	+4	+9
Tehran	+·177	+·223	+·232	+·033	+·166	+29	+26	+35	+17	+27
Ispahan	—·003	+·147	+·158	+·080	+·096	+6	+8	+17	+15	+12
Jask	—·043	+·018	+·020	+·035	+·008	—2	+1	0	+2	0

IV.—The retreating south-west monsoon period.

The rains were very weak over the greater part of the country and accordingly the humidity, both relative and absolute, was low in most places. The dryness was on the whole most marked in the United Provinces and the Central Provinces, areas where the monsoon rains had terminated much before their normal date.

TABLE 91.

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	—·002	+·026	+·004	+·009	+2	+1	—1	+1
Eastern Bengal and Assam	—·019	—·019	—·017	—·018	—3	—2	—4	—3
Bengal	—·044	—·043	—·038	—·042	—5	—5	—3	—4
United Provinces	—·106	—·079	—·075	—·084	—16	—13	—11	—13
Punjab	—·033	—·024	—·057	—·038	—9	—8	—9	—9
North-West Frontier Province	—·012	+·006	—·044	—·017	—8	—3	—8	—6
Sind	+·024	+·014	—·038	0	+2	0	—1	0
Rajputana	+·004	+·009	—·057	—·015	0	+3	—5	—1
Bombay	—·027	—·039	—·069	—·045	—7	—8	—8	—8
Central India	—·078	—·033	—·078	—·063	—13	—	—10	—10
Central Provinces	—·111	—·066	—·083	—·087	—16	—13	—10	—13
Hyderabad	—·112	+·012	—·039	—·046	—16	—5	—6	—9
Mysore	—·017	+·042	+·008	+·011	—5	+5	+1	0
Madras	—·023	+·017	—·012	—·006	—3	+1	—1	—1

Similar conditions prevailed at the level of the Himalayan stations as well as in the plateau area to the west of upper India.

TABLE 92.

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.
	"	"	"	"				
Baghdad	—·034	—·016	—·042	—·031	—1	+2	—8	—2
Bushire	—·036	—·037	—·007	—·027	—1	+5	+7	+4
Tehran	+·025	+·007	+·006	+·013	+27	+13	+13	+18
Ispahan	+·040	—·030	—·030	—·007	+15	—2	—4	+3
Jask	—·072	—·070	—·038	—·060	—6	—7	—4	—6
Chaman	+·040	—·040	—·040	—·013	+16	+1	—7	+3
Quetta	0	—·007	—·024	—·010	—2	+1	+2	0
Murree	—·009	+·033	+·014	+·013	—6	+4	—4	—2
Gilgit	0	—·037	—·035	—·024	—2	—16	—13	—10
Srinagar	—·006	—·013	—·054	—·024	—7	—8	—9	—8
Simla	—·026	—·004	—·036	—·022	—9	—2	—14	—8
Leh	—·011	—·015	—·014	—·013	—6	—14	—18	—13
Chakrata	—·060	+·002	—·029	—·029	—14	—5	—12	—10
Darjeeling	—·014	+·010	—·023	—·009	—8	—2	—16	—9

The year:—

(*a*) On the average of the whole year the 8 hrs. relative humidity was in slight defect, a consequence mainly of the deficiency in the amount of aqueous vapour, the pressure of which was ·013″ below normal.

(*b*) In point of absolute humidity the driest months of the year were May, June, September, October and December, and the dampest January, February, and April. These departures from the normal were conditioned almost solely by the character of the precipitation except in the case of January, in which month the rainfall, as averaged over India, was 23 per cent. in defect.

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

TABLE 93.

—	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.	+·029	+·037	+·008	+·022	—·046	—·043	—·020	+·002	—·045	—·042	—·017	—·044	—·013
Relative humidity at 8 hrs.	+2	+7	+5	+8	—2	—4	—5	+1	—5	—7	—4	—6	—1
Temperature	+1·9	—0·7	—2·4	—3·4	—1·6	+0·2	+2·0	—0·6	+0·5	+1·2	+1·6	—0·7	—0·2
Rainfall	—23	+179	*+86	+90	—18	—10	—17	+22	—38	—49	—22	0	—7

(*c*) The largest defect of humidity, as of the rainfall, occurred in the United Provinces, Central India and the Central Provinces.

* Over the greater part of the country the month's rainfall was short of the normal.

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 and are 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 the year 1907 are given in Tables 94, 95 and 96. Table 95 gives the mean departure data for the thirteen meteorological areas adopted in the geographical summaries of the meteorological data in the Annual Reports previous to 1891, and in the Geographical Summaries published in the Annual Summaries from 1891 onwards; and Table 96 gives the departures of the 8 hrs. cloud for fourteen chief political divisions of India.

TABLE 94.—*Departure of the monthly and annual mean cloud proportion of 1907 from the average of past years.*

Division.	Station.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
Burma	Rangoon	+0·1	−1·0	+2·1	+0·6	+0·7	−0·6	−0·7	+0·2	−0·5	+0·3	+1·4	+0·6	+0·3
Bengal	Calcutta	−0·4	+0·6	+1.6	+2·7	−0·6	−0·1	0	−0·3	−1·2	−2·2	−1·7	+0·3	−0·1
United Provinces of Agra and Oudh.	Allahabad	−0·3	+1·8	+0·8	+2·9	+0·1	−1·1	−1·2	−0·3	−2·7	−1·6	−0·4	−1·3	−0·3
	Dehra Dun	−0·4	+2·1	+0·8	+2·3	−0·3	−1·2	−2·0	−0·1	−2·4	−0·9	−0·8	−1·7	−0·4
Punjab	Lahore	−0·6	+1·7	+0·7	+0·8	−0·6	−1·5	−2·4	+0·1	−1·6	+0·1	−0·8	−1·0	−0·4
Rajputana	Jaipur	−0·6	+2·4	−0·5	+2·2	−0·9	−0·4	−1·9	+0·3	−2·4	1·3	−0·9	−1·8	−0·5
Bombay	Bombay	−0·3	−0·8	−0·4	+2·6	−1·6	−0·4	−0·1	+0·7	−1·2	−0·9	+1·2	−1·5	−0·2
Central Provinces	Buldana	−0·9	−1·3	−1·2	+2·9	−0·9	+0·6	−1·3	+1·1	−1·9	0	+1·1	−1·5	−0·3
	Nagpur	−0·8	+0·2	−1·1	+1·1	−2·1	−1·1	−1·6	−0·4	−2·9	−1·4	0	−1·9	−1·0
Hyderabad	Hyderabad	−0·2	−0·5	+0·7	+1·1	−0·8	+0·7	−0·3	+0·4	−0·6	−0·2	+0·8	+0·4	+0·1
Mysore	Mysore	0	−0·7	−0·2	+0·7	−0·3	+0·5	−0·1	+0·8	0	−0·1	+0·5	−0·7	0
Madras	Madras	−1·6	−0·7	+0·4	+0·1	−0·7	−0·3	−1·1	−0·4	−1·1	0	+0·5	−1·4	−0·5
Station in the Bay	Port Blair	+0·7	+0·3	+2·1	−0·9	+1·1	+0·3	+0·8	+0·9	0	+1·5	+2·2	+1·0	+0·8
Kashmir	Srinagar	−0·7	+1·5	+1·5	+1·1	+0·8	+1·4	+0·1	+0·9	−1·7	+1·0	+0·1	−2·4	+0·3
	Leh	+0·4	+0·3	+0·4	−0·4	−0·3	−0·1	−0·7	−0·8	−2·4	+0·4	−0·1	−2·3	−0·5
Baluchistan	Quetta	−1·8	+2·2	−0·5	+0·1	−0·8	+1·0	−0·5	+0·5	−0·2	−0·3	−0·5	−1·7	−0·2
Hill Stations excluding Kashmir and Baluchistan.	Simla	0	+1·9	+1·2	+1·5	−0·5	−2·6	−2·4	+0·1	−1·8	−0·2	−0·9	−1·6	−0·4
	Chakrata	0	+0·8	+0·8	+1·9	−0·3	−0·9	−2·3	+0·8	−1·3	−1·1	−0·8	−1·1	−0·3
	Katmandu	−1·6	+1·8	+0·5	+0·8	−1·0	−0·5	+0·1	−0·5	−1·1	−2·3	−0·3	−2·2	−0·5
	Darjeeling	+0·4	+1·2	+1·5	+1·5	+0·6	−0·5	−0·5	−1·2	−1·1	−0·2	+1·5	−1·1	+0·2
	Pachmarhi	−1·2	+0·7	−1·2	+1·3	−2·1	−3·3	−1·7	+0·3	−3·9	−2·8	−0·8	−2·1	−1·4
	Mount Abu	−1·2	+2·6	−0·9	+2·0	−0·9	0	−1·6	+1·2	−1·8	−1·6	−0·4	−1·6	−0·4
	Chikalda	−0·7	+1·1	−0·5	+2·2	−1·0	−0·9	−1·5	+0·3	−2·7	−0·3	+0·6	−1·7	−0·4
Extra India	Zanzibar	+1·5	+2·0	−0·6	+1·5	−0·6	−0·8	−0·5	+0·3	+0·5	+0·2	−0·7	−0·2	+0·2
	Seychelles	+0·1	−0·4	−0·7	+1·5	0	−2·0	+1·1	−0·9	−0·3	−0·9	−1·6	−0·4	−0·4
	Mauritius	−0·2	+0·1	+0·2	+1·2	+0·4	+1·7	+0·7	+0·5	+0·2	+0·8	+0·5	+0·7	+0·6

TABLE 95.—*Geographical summary of the cloud departure data of Table A in the Monthly Weather Reviews of 1907.*

Meteorological Area.	Number of stations.	January.	February.	March.	April.	May	June.	July.	August.	September.	October.	November.	December.	Year.
North-West Himalayas . . .	4	−0·1	+1·1	+1·0	+1·0	−0·1	−0·6	−1·3	+0·3	−1·8	0	−0·4	−1·9	−0·2
Sikkim Himalayas and Nepal. . .	2	−0·6	+1·5	+1·0	+1·2	−0·2	−0·5	−0·2	−0·9	−1·1	−1·3	+0·6	−1·7	−0·2
Punjab Plains	1	−0·6	+1·7	+0·7	+0·8	−0·6	−1·5	−2·4	+0·1	−1·6	+0·1	−0·8	−1·0	−0·4
Gangetic Plain	2	−0·4	+2·0	+0·8	+2·6	−0·1	−1·2	−1·6	−0·2	−2·6	−1·3	−0·6	−1·5	−0·3
Western Rajputana	1	−1·2	+2·6	−0·9	+2·0	−0·9	0	−1·6	+1·2	−1·8	−1·6	−0·4	−1·6	−0·4
Eastern Rajputana and Central India.	1	−0·6	+2·4	−0·5	+2·2	−0·9	−0·4	−1·9	+0·3	−2·4	−1·3	−0·9	−1·8	−0·5
Lower Bengal	1	−0·4	+0·6	+1·6	+2·7	−0·6	−0·1	0	−0·3	−1·2	−2·2	−1·7	+0·3	−0·1
Central Provinces (South) and Berar.	4	−0·9	+0·2	−1·0	+1·9	−1·5	−1·2	−1·5	+0·3	−2·9	−1·1	+0·2	−1·8	−0·8
Konkan	1	−0·3	−0·8	−0·4	+2·6	−1·6	−0·4	−0·1	+0·7	−1·2	−0·9	+1·2	−1·5	−0·2
Deccan, Hyderabad and Mysore .	2	−0·1	−0·6	+0·3	+0·9	−0·6	+0·6	−0·2	+0·6	−0·3	−0·2	+0·7	−0·2	+0·1
East Coast and Carnatic . . .	1	−1·6	−0·7	+0·4	+0·1	−0·7	−0·3	−1·1	−0·4	−1·1	0	+0·5	−1·4	−0·5
Arakan and Pegu	1	+0·1	−1·0	+2·1	+0·6	+0·7	−0·6	−0·7	+0·2	−0·5	+0·3	+1·4	+0·6	+0·3
Bay Islands.	1	+0·7	+0·3	+2·1	−0·9	+1·1	+0·3	+0·8	+0·9	0	+1·5	+2·2	+1·0	+0·8
Extra-tropical India . . .	12	−0·4	+1·6	+0·7	+1·6	−0·3	−0·6	−1·2	0	−1·8	−0·8	−0·5	−1·5	−0·3
Tropical India	10	−0·5	−0·3	+0·1	+1·2	−0·8	−0·5	−0·8	+0·4	−1·5	−0·4	+0·8	−0·9	−0·
Whole India	22	−0·5	+0·7	+0·4	+1·4	−0·5	−0·5	−1·0	+0·2	−1·7	−0·6	+0·1	−1·2	−0·3

TABLE 96.—*Departure of the mean monthly and annual cloud amount from normal in the fourteen chief political divisions of India in 1907.*

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

I.—The cold weather period.

On the average of the period skies were more clouded than usual over the whole of the country with the exception of Burma and parts of the Peninsula. The excess of cloudiness was most marked in Eastern Bengal and Assam and Central India.

TABLE 97.

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

The abnormal features of the cloud distribution of the period were in general parallel with those of rainfall and humidity.

In Persia, Baluchistan and the Himalayas the cloud proportion exceeded that of an average winter, but in the Aravalis and Satpuras it fell short :—

TABLE 98.

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

II.—The hot weather period.

(*a*) In this period also there was a fairly close agreement between the abnormal features of the cloud distribution and those of rainfall and humidity. On the mean of the period there was more than the customary proportion of cloud in Burma, Central India and over the tract of country extending from Bengal to the valley of the Indus. The departures from the normal were, however, neither uniform nor marked except in the case of Central India where the amount of excess was nearly one-fifth of the total sky expanse.

TABLE 99.

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

(*b*) Conditions were rather different in Persia and probably also in Afghanistan where the cloud proportion was high throughout the period instead of only in March and April. This is probably an indication that the winter conditions there terminated even later than in the Indian region. In Baluchistan and the mountainous region of the North-West Frontier Province on the other hand, cloud was below the average practically throughout the period.

TABLE 100.

Station.	Departure of mean 8 hrs. cloud amount from normal.			
	March.	April.	May.	Period, March to May.
Aden	0	+0·7	+1·2	+0·6
Baghdad	+1·4	+1·2	+1·6	+1·4
Bushire	+3·1	+0·7	+1·7	+1·8
Jask	+0·5	+2·0	+0·4	+1·0
Kabul	—0·1	+1·0	+0·7	+0·5
Chaman	—1·2	—0·5	+0·1	—0·5
Quetta	—0·5	+0·1	—0·5	—0·3
Cherat	—1·8	—0·8	—1·0	—1·2

(*c*) In the Himalayan region and the hill districts of Central India the state of the skies was the same as in the neighbouring plains.

TABLE 101.

Station.	Departure of mean 8 hrs. cloud amount from normal.			
	March.	April.	May.	Period, March to May.
Murree	—0·8	—0·4	—2·0	—1·1
Gilgit	+0·3	+2·1	+1·0	+1·1
Srinagar	+1·2	+0·8	—0·6	+0·5
Leh	+1·6	+0·2	+0·1	+0·6
Simla	+1·4	+0·9	—1·7	+0·2
Chakrata	+0·5	+0·8	—0·2	+0·4
Darjeeling	+1·9	+2·6	+0·1	+1·5
Mount Abu	—0·6	+1·9	—0·7	+0·2
Pachmarhi	—0·8	+2·2	—1·5	0

III.—The south-west monsoon period.

(*a*) Except in Central India the cloud proportion was low in all parts of the Indian region. The defect was greatest in the United Provinces, the Punjab, Rajputana and the Central Provinces, and was least in the Peninsula.

TABLE 102.

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

These departures were coincident with those of rainfall, the only exceptions being Sind, Bombay, Mysore, Madras and Central India: in the first four areas the cloud proportion was below the average in spite of the excess of rainfall; while in Central India the opposite case held. Further, the zone of maximum defect of cloud coincided roughly with the region of scantiest rainfall.

(*b*) Cloud was on the whole almost as much below normal in the hill districts of upper India and in the Satpuras as in the adjacent plains.

TABLE 103.

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

(*c*) In Persia, Baluchistan and Afghanistan the quantity of cloud was either normal or in excess.

TABLE 104.

Station.	Departure of mean 8 hrs. cloud amount from normal.				
	June.	July.	August.	September.	Period, June to September.
Aden	+0·6	−0·8	+0·3	+0·4	+0·1
Baghdad	0	0	−0·1	+0·3	+0·1
Bushire	0	−1·0	...	...	...
Jask	+0·5	+2·9	+2·8	−0·4	+1·5
Kabul	+0·7	0	+0·3	+0·1	+0·3
Chaman	0	−0·5	−0·5	0	−0·3
Quetta	+1·1	−0·7	+3·0	−0·1	+0·8

The slight excess of cloud in these regions was probably associated with the causes of the abnormal disturbances which affected the extreme north of India during the greater part of the monsoon period.

IV.—The retreating south-west monsoon period.

(*a*) There was less cloud than usual throughout the country with the exception of Burma, Hyderabad and Madras, where the cloud amount slightly exceeded that of an average autumn. The cloud proportion was especially low in Rajputana, the United Provinces, Eastern Bengal and Assam. Since the rainfall of the period was below normal all over the Indian region excepting Burma, the parallelism between the abnormalities of this element and those of cloud shown during the previous three seasons was extended to this period.

TABLE 105.

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

(*b*) The cloud proportion was everywhere low in the mountain zone bordering upper India, but this condition did not extend westwards beyond Baluchistan.

TABLE 106.

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

The year.—On the mean of the whole year and for India as a whole the amount of cloud at 8 hrs. was well below the general average of past years, the mean departure as derived from the observations of 180 stations being—0·2, or about 5 per cent. of the general normal cloudiness of the country, *viz.*, 4·0.

In one month the cloud proportion was equal to the normal, in four months in excess, and in the remaining seven months in defect. The excess was on the whole most conspicuous in April, and the defect in September.

In nine of the twelve months the departures from normal of the cloud proportion were of the same sign as those of rainfall, and in eleven months of the same sign as those of humidity.

The statement below shows the departure of the mean amount of cloud in the Indian area annually during the period 1875-1907 :—

TABLE 107.

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	—0·1
1885	+0·2
1886	+0·2
1887	—0·1
1888	—0·2
1889	+0·1
1890	+0·2
1891	+0·1
18 2	+0·1
1893	+0·5
1894	+0·5
1895	+0·1
1896	—0·2
1897	0
1898	—0·2
1899	—0·3
1900	+0·2
1901	+0·1
1902	—0·1
1903	—0·1
1904	—0·
1905	—0·2
1906	0
1907	—0·3

SNOWFALL.

(A).—The cold weather of 1906-07, and the succeeding hot weather.

(1) The winter commenced much later than usual in Baluchistan, and terminated somewhat after the normal date. The precipitation there was well above the average from February to April and in decided defect in December, January and May.

(2) The precipitation was unusually light in Afghanistan as represented by Kabul, during January, and in marked excess during the three succeeding months. There are no data available for May, but the prevalence of abnormally low temperature in upper India and Baluchistan during the first two weeks was suggestive of the occurrence of snowfall in the Afghan region. Similar weather apparently prevailed in the mountainous region of the North-West Frontier Province.

(3) The precipitation of the season was above normal in Kashmir, the excess occurring mainly in February, March and April. There were a few falls of snow in May, but they were confined to the higher ranges. In Gilgit the conditions were slightly different, the weather having been dry during the first three months and somewhat more unsettled than usual in April and May.

(4) In the Punjab hills moderate to heavy snow fell during the period February to April, and light to moderate snow in January and May. The fall was exceptionally heavy in Kulu, where snow is reported to have fallen to as low a level as 3,500 feet in March. In the Chandra Valley snow lay right down to the stream on both banks at the end of May. The accumulations at the end of April were greater than usual in the Simla and Kulu hills : even as late as the 24th May the thickness of snow on the mountains visible from Simla was greater than on the 30th April 1906, although the snow did not descend so far down the lower slopes.

(5) In the Kumaon hills the snowfall was light in January and May and unusually heavy in the intervening period. The snowline on the 18th of May was at a much lower level than on the same date of the previous year. The accumulations at the end of May were unusually great, and most of the passes remained closed. Large drifts of snow were lying unmelted down to 8,000 feet in the Kali Valley.

(6) The information for the Assam Himalayas was as usual very limited, but appeared to indicate that snowfall during the winter months was normal in Darrang, less than usual in the hills to the north of Lakhimpur, and excessive on the ranges to the north and east of Sadiya.

(7) The available information thus indicated :—

(*a*) that although the snowfall was generally light up to the end of January, it was excessive during the following three months, particularly in the Punjab and Kumaon hills ;

(*b*) that the fall was apparently below normal in May ;

(*c*) that at the end of May the snow covered area on the Punjab and Kumaon hills was larger than usual, while in the Afghan and Kashmir hills it was approximately normal ;

(*d*) that the depth of snow on the peaks and the higher passes at the close of May was unusually great in some districts, but was normal or even below it in other places.

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

In June no snow fell in the mountainous region to the west of the Indus. There were occasional snowstorms in Kashmir but the total fall was small in amount. Temperature there was lower than usual and the winter accumulations on the higher mountains remained very deep. Snow fell occasionally in the Simla and Chamba hills, in the former region down to 11,000 feet. The total fall measured 1 foot in depth on the Sach pass (elevation 14,400 feet). In Kulu there were one or two falls in the third week down to 13,000 or 12,000 feet. In Kumaon some light snowfall occurred, but it was confined to the higher ranges. On the 5th the snowline was at an elevation of 14,000 feet on the Indian side and at 15,000 or 16,000 feet on the Tibet side.

During July there was no snowfall in the Afghan mountains. Occasional falls occurred in Kashmir, but the total quantity was small. The winter accumulations on the higher ranges remained very deep. A few falls occurred in the Simla and Chamba hills, but their total amount was small. All the passes near Kilba were open. In Kangra there were some falls down to 13,000 feet. In Garhwal there was a considerable fall of snow on the higher ranges in the last week. The snowline was at a lower level than usual.

In August light snow fell on two occasions in the Simla hills down to about 11,000 feet. All the passes near Kilba remained open. In Kulu some falls occurred at elevations above 15,000 feet. In Almora occasional snowstorms occurred in some parts down to unusually low levels. The total fall of the month measured 19 feet in depth on the Nuwe pass. The accumulations in Almora at the end of the month were on the whole of about the usual depth.

In September snowstorms occurred over the mountain ranges of Lahoul, Spiti and Kulu on the last three days of the month, and were reported as unseasonable. On the hills near Kilba light snow fell on four days down to 11,000 feet. The accumulation at the end of the month on the passes, all of which were open to travellers, varied from 1 to 1½ feet. In Almora snowstorms were of occasional occurrence, chiefly during the second half of the month. The accumulations at the end of the month were nearly normal in depth.

(C).—The period October to December.—

(*a*) In October heavy snow fell in Afghanistan and Chitral about the 21st down to unusually low levels. The fall was approximately normal in Kashmir. In Almora the snowfall, although very unevenly distributed, was on the whole normal in quantity.

(*b*) During November there were a few local falls of snow in the Afghan mountains. In the Simla hills a feeble snowstorm occurred towards the close of the month at elevations above 11,000 feet. The accumulations on the passes near Kilba were not so deep as usual. In Almora there were a few falls, but they were light. The accumulations on the well known passes and peaks were half of the normal depth, and the snowline was very high.

(*c*) The snowfall of December was much lighter than usual and occurred almost entirely towards the close of the month. The winter conditions were thus late in setting in over the mountain zone to the north and west of upper India.

Rainfall.

The rainfall data of India are now issued annually in a separate volume entitled "Rainfall of India." The seventeenth volume that of 1907, contains the whole rainfall data of 2,677 stations, which are there classified under their respective administrative divisions according to the following scheme :—

PROVINCE.	Number of stations.
Burma	185
Eastern Bengal and Assam	232
Bengal	312
United Provinces of Agra and Oudh	278
Punjab	189
North-West Frontier Province	34
Bombay	289
Madras (including Pudukkottai, Travancore and Cochin)	487
Coorg	10
Central Provinces	170
Mysore	77
Baluchistan	61
Kashmir	87
Rajputana	179
Central India	115
Hyderabad (Deccan)	22
	2,677

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 ;

(*f*) the accumulated rainfall (up to the date of each statement) throughout each of the seasons into which the year is divided.

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 five tables (Tables 108 to 112) give summaries of the rainfall data of the year. In the first two tables (Tables 108 and 109) the summaries are drawn up in the form that was used for many years in the Annual Reports issued by the Department. In the three succeeding tables (Tables 110, 111 and 112) the actual average rainfall data (derived from the returns of about 2,600 rain-gauge stations in India) are given in Table 110 for the 14 chief political provinces ; and in Tables 111 and 112 for the 34 sub-divisions, for the four periods into which the year has been divided. The four periods are :—

1st.—From January 1st to February 28th, which forms the period of the cold-weather rains of upper India.

2nd.—From March 1st to May 31st, which includes the hot season, when rain occurs mainly in the coast districts, and in Assam during thunderstorms.

3rd.—From June 1st to September 30th*, which forms the period of the south-west monsoon rains proper.

4th.—From October 1st* to December 31st, which includes the period of the so-called north-east monsoon rains of the Peninsula, more especially of the Coromandel coast districts.

* In Tables 109, 111 and 112, however, the 3rd and 4th periods are taken as extending from June 1st to October 31st and from November 1st to December 31st respectively.

TABLE 108.—*Geographical summary of rainfall in 1907*

Meteorological Division.	Area square miles.	Number of stations.	Normal rainfall.	Actual rainfall.	Mean excess or defect.	Total excess square miles × 1 inch.	Total defect square miles × 1 inch.
			Inches	Inches.	Inches.		
.—Punjab Plains	120,000	29	21·28	19·18	— 2·10	...	252,000
II.—United Provinces of Agra and Oudh	83,500	44	38·18	25·14	—13·04	...	1,088,840
III-A.—Rajputana, East	67,000	29	25·98	22·87	— 3·11	...	208,370
III-B. „ West	58,000	10	11·71	17·59	+ 5·88	341,040	...
IV.—Central India States	91,000	24	43·40	32·28	—11·12	...	1,011,920
V.—Bihar	30,000	15	45·58	38·80	— 6·78	...	203,400
VI.—Western Bengal	38,000	14	53·69	57·59	+ 3·90	148,200	...
VII.—Lower „	54,000	28	66·16	55·77	—10·39	...	561,060
VIII.—Assam and Cachar	61,000	17	95·09	90·91	— 4·18	...	254,980
IX.—Orissa and Northern Circars	27,000	32	51·87	47·96	— 3·91	...	105,570
X.—Central Provinces, South	61,000	19	52·47	48·87	— 3·60	...	210,600
XI.—Berar and Khandesh	43,000	12	34·92	30·42	— 4·50	...	193,500
XII.—Gujarat	54,500	13	33·02	37·25	+ 4·23	230,535	...
XIII.—Sind and Cutch	68,000	10	8·26	7·94	— 0·32	...	21,760
XIV.—North Deccan	48,000	13	30·78	31·71	+ 0·93	44,640	...
XV.—Konkan *and* Ghats	16,000	11	139·17	135·36	— 3·81	...	60,960
XVI.—Malabar and Ghats	18,000	8	114·93	135·57	+20·64	371,520	...
XVII.—Hyderabad	74,000	15	33·54	28·78	— 4·56	...	337,440
XVIII.—Mysore and Bellary	58,000	18	29·15	25·46	— 3·69	...	214,020
XIX.—Carnatic	72,000	36	36·84	35·74	— 1·10	...	79,200
XX.—Arakan	11,000	6	154·03	145·64	— 8·39	...	92,290
XXI.—Pegu	32,500	7	72·55	79·90	+ 7·35	238,875	...
XXII.—Tenasserim	10,500	4	173·33	199·79	+26·46	277,830	...
XXIII.—Upper Burma	?	13	39·50	35·69	— 3·81	...	...

On the mean of the whole area represented in the above table there was a defect of 2·72 inches or, excluding Burma, of 3·22 inches.

TABLE 109.—*Geographical summary of the distribution of rainfall in 1907 according to seasons.*

Meteorological Division.	JANUARY AND FEBRUARY.			MARCH TO MAY.			JUNE TO OCTOBER.			NOVEMBER AND DECEMBER.		
	Normal over division.	Actual over division.	Difference.	Normal over division.	Actual over division.	Difference.	Normal over division.	Actual over division.	Difference.	Normal over division.	Actual over division.	Difference.
	"	"	"	"	"	"	"	"	"	"	"	"
North-West Himalayas ...	6·03	9·60	+ 3·57	7·11	11·27	+ 4·16	42·43	21·92	—20·51	1·66	0·01	— 1·65
Punjab Plains	2·21	3·79	+ 1·58	2·42	4·49	+ 2·07	15·92	10·89	— 5·03	0·73	0·01	— 0·72
nited Provinces of Agra and Oudh.	1·52	3·40	+ 1·88	1·38	2·34	+ 0·96	35·81	19·89	—15·92	0·45	0	— 0·45
Rajputana	0·48	1·70	+ 1·22	0·77	1·28	+ 0·51	20·69	18·54	— 2·15	0·38	0	— 0·38
Central India States ...	1·00	3·00	+ 2·00	0·76	1·06	+ 0·30	40·97	27·91	—13·06	0·66	0·31	— 0·35
Bihar	1·26	2·60	+ 1·34	2·50	2·48	— 0·02	41·12	34·73	— 6·39	0·32	0·04	— 0·28
Western Bengal and Chota Nagpur.	1·51	2·57	+ 1·06	3·63	5·41	+ 1·78	47·96	48·87	+ 0·91	0·60	0·76	+ 0·16
Lower Bengal	1·39	0·74	— 0·65	10·55	11·72	+ 1·17	53·08	42·16	—10·92	0·71	0·49	— 0·22
Eastern Himalayas ...	1·64	2·37	+ 0·73	18·03	18·94	+ 0·91	103·92	97·60	— 6·32	0·55	0·42	— 0·13
Assam and Eastern Bengal ...	1·83	2·58	+ 0·75	22·64	22·22	— 0·42	69·44	65·47	— 3·97	1·19	0·63	— 0·56
Orissa and Northern Circars...	0·74	0·61	— 0·13	4·81	7·17	+ 2·36	44·11	38·76	— 5·35	2·18	1·84	— 0·34
Central Provinces, South ...	0·93	2·47	+ 1·54	1·85	3·31	+ 1·46	48·85	42·14	— 6·71	0·83	0·95	+ 0·12
Berar and Khandesh ...	0·52	2·30	+ 1·78	1·09	1·40	+ 0·31	32·34	26·26	— 6·08	0·99	0·47	— 0·52
Gujarat	0·18	0·69	+ 0·51	0·37	0·12	— 0·25	31·95	35·30	+ 3·35	0·30	0	— 0·30
Sind and Cutch	0·49	1·25	+ 0·76	0·45	0·26	— 0·19	7·89	7·13	— 0·76	0·21	0	— 0·21
North Deccan	0·18	0·03	— 0·15	3·50	3·14	— 0·36	25·65	27·79	+ 2·14	1·45	0·75	— 0·70
Konkan and Ghats ...	0·22	0·13	— 0·09	1·71	1·70	— 0·01	131·63	129·56	— 2·07	0·90	0·46	— 0·44
Malabar and Ghats ...	0·52	0·31	— 0·21	11·34	8·86	— 2·48	99·16	118·85	+19·69	3·91	7·55	+ 3·64
Hyderabad	0·26	0·18	— 0·08	1·87	4·97	+ 3·10	29·71	23·32	— 6·39	1·30	0·5	— 0·71
Ceded Districts and Mysore	0·24	0·08	— 0·16	4·80	5·08	+ 0·28	21·60	17·40	— 4·20	2·52	2·91	+ 0·39
Carnatic	0·92	0·29	— 0·63	4·07	5·00	+ 0·93	21·12	17·41	— 3·71	10·66	12·98	+ 2·32
Nilgiris	0·73	0·16	— 0·57	10·39	9·90	— 0·49	29·83	37·47	+ 7·64	5·65	5·72	+ 0·07
Arakan	0·77	0·49	— 0·28	14·96	15·34	+ 0·38	135·45	128·25	— 7·20	2·87	1·56	— 1·31
Pegu	0·20	0·50	+ 0·30	8·95	14·88	+ 5·93	66·27	67·94	+ 1·67	2·60	2·88	+ 0·28
Tenasserim	0·98	1·15	+ 0·17	22·36	34·79	+12·43	147·69	161·29	+13·60	2·31	2·56	+ 0·25
Upper Burma	0·21	0·34	+ 0·13	6·18	6·63	+ 0·45	30·29	25·78	— 4·51	1·48	1·25	— 0·23
Bay Islands	1·15	3·22	+ 2·07	15·45	17·17	+ 1·72	69·09	54·86	—14·23	10·68	30·83	+20·15

TABLE 110.—*Average, over the 14 chief political divisions, of the actual and normal rainfall for the four seasons of the year 1907, 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	0·43	0·26	+0·17	+ 65	12·69	10·58	+2·11	+ 20	59·18	59·92	—0·74	— 1	8·86	7·24	+1·62	+ 22	81·16	78·00	+3·16	+ 4
Eastern Bengal and Assam	2·25	1·72	+0·53	+ 31	19·00	21·26	—2·26	— 11	62·54	63·47	—0·93	— 1	2·40	6·08	—3·68	— 61	86·19	92·53	—6·34	— 7
Bengal	1·56	1·22	+0·34	+ 28	6·87	5·32	+1·55	+ 29	41·09	43·73	—2·64	— 6	1·05	4·21	—3·16	— 75	50·57	54·48	—3·91	— 7
United Provinces	3·33	1·48	+1·85	+125	2·18	1·21	+0·97	+ 80	20·26	34·97	—14·71	—42	0	1·82	—1·82	—100	25·77	39·48	—13·71	—35
Punjab	3·74	2·18	+1·56	+ 72	3·86	1·71	+2·15	+126	11·31	16·15	—4·84	—30	0·01	0·81	—0·80	— 99	18·92	20·85	—1·93	— 9
North-West Frontier Province	4·58	2·71	+1·87	+ 69	6·92	3·81	+3·11	+ 82	6·89	8·60	—1·71	—20	0·12	1·23	—1·11	— 90	18·51	16·35	+2·16	+13
Sind	1·32	0·53	+0·79	+149	0·38	0·39	—0·01	— 3	6·20	5·49	+0·71	+13	0	0·22	—0·22	—100	7·90	6·63	+1·27	+19
Rajputana	1·90	0·56	+1·34	+239	1·28	0·66	+0·62	+ 94	16·64	19·51	—2·87	—15	0	0·69	—0·69	—100	19·82	21·42	—1·60	— 7
Bombay	0·21	0·18	+0·03	+ 17	1·54	1·59	—0·05	— 3	43·41	41·76	+1·65	+ 4	0·62	3·67	—3·05	— 83	45·78	47·20	—1·42	— 3
Central India	1·89	0·84	+1·05	+125	0·73	0·57	+0·16	+ 28	25·81	35·21	—9·40	—27	0·22	1·58	—1·36	— 86	28·65	38·20	—9·55	—25
Central Provinces	3·01	0·75	+2·26	+301	1·88	1·17	+0·71	+ 61	31·70	37·49	—5·79	—15	0·79	2·59	—1·80	— 69	37·38	42·00	—4·62	—11
Hyderabad	0·16	0·25	—0·09	— 36	4·55	1·85	+2·70	+146	22·23	26·26	—4·03	—15	0·64	4·12	—3·48	— 84	27·58	32·48	—4·90	—15
Mysore	0·19	0·11	+0·08	+ 73	5·86	5·25	+0·61	+ 12	25·29	20·57	+4·72	+23	4·89	8·63	—3·74	— 43	36·23	34·56	+1·67	+ 5
Madras	0·24	0·86	—0·62	— 72	5·42	4·50	+0·92	+ 20	25·35	24·29	+1·06	+ 4	12·90	14·53	—1·63	— 11	43·91	44·18	—0·27	— 1
Mean of India when the size of the above areas is taken into account.	1·64	0·91	+0·73	+ 80	5·41	4·50	+0·91	+ 20	32·12	35·24	—3·12	— 9	2·79	4·44	—1·65	— 37	41·99	45·09	—3·10	— 7

TABLE 111.—*Average, over the 34 sub-divisions, of the actual and normal rainfall for the four seasons of the year 1907, and for the whole year.*

Sub-division.	January and February.			March to May.			June to October.			November and 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	3·22	1·16	+2·06	17·17	15·45	+1·72	54·31	69·09	—14·78	30·83	10·68	+20·15	105·53	96·38	+ 9·15
2. Lower Burma	0·43	0·24	+0·19	20·17	14·60	+5·57	114·84	105·46	+ 9·38	2·24	1·76	+ 0·48	137·68	122·06	+15·62
3. Upper Burma	0·42	0·26	+0·16	6·45	7·25	—0·80	25·67	32·32	— 6·65	1·35	1·58	— 0·23	33·89	41·40	— 7·52
4. Assam	3·64	2·14	+1·50	21·91	26·97	—5·06	70·59	69·14	+ 1·45	0·67	1·12	— 0·45	97·81	99·37	— 2·56
5. Eastern Bengal	0·82	1·29	—0·47	16·04	15·40	+0·64	57·87	67·97	—10·10	0·46	0·84	— 0·38	75·19	85·50	—10·31

TABLE 111.—*Average, over the 34 sub-divisions, of the actual and normal rainfall for the four seasons of the year 1907, and for the whole year*—concld.

SUB-DIVISION.	JANUARY AND FEBRUARY.			MARCH TO MAY.			JUNE TO OCTOBER.			NOVEMBER AND 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.
	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
6. Bengal	0·97	1·26	—0·29	9·59	7·60	+1·99	40·74	48·55	— 7·81	0·77	0·70	+ 0·07	52·07	58·11	— 6·04
7. Orissa	0·97	1·03	—0·06	8·88	5·70	+3·18	47·08	49·38	— 2·30	1·09	1·58	— 0·49	58·02	57·69	+ 0·33
8. Chota Nagpur	2·38	1·27	+1·11	4·82	3·91	+0·91	48·32	47·67	+ 0·65	1·08	0·53	+ 0·55	56·60	53·38	+ 3·22
9. Bihar	2·29	1·26	+1·03	3·69	3·10	+0·59	36·72	44·61	— 7·89	0·07	0·28	— 0·21	42·77	49·25	— 6·48
10. United Provinces, East	2·99	1·15	+1·84	1·67	1·12	+0·55	21·06	37·31	—16·25	0	0·44	— 0·44	25·72	40·02	—14·30
11. Do. do. West	3·70	1·86	+1·84	2·73	1·31	+1·42	19·34	35·13	—15·79	0	0·57	— 0·57	25·77	38·87	—13·10
12. Punjab, East and North	4·39	2·47	+1·92	4·18	1·83	+2·35	12·81	19·05	— 6·24	0	0·66	— 0·66	21·38	24·01	— 2·63
13. Do. South-west	1·25	1·09	+0·16	2·64	1·29	+1·35	5·73	6·18	— 0·45	0	0·33	— 0·33	9·62	8·89	+ 0·73
14. Kashmir	7·35	5·99	+1·36	9·24	6·88	+2·36	10·70	12·51	— 1·81	0·10	1·83	— 1·73	27·39	27·21	+ 0·18
15. North-West Frontier Province	4·58	2·71	+1·87	6·92	3·81	+3·11	7·01	8·86	— 1·85	0	0·97	— 0·97	18·51	16·35	+ 2·16
16. Baluchistan	3·31	2·88	+0·43	2·23	1·86	+0·37	3·46	2·21	+ 1·25	0·06	1·45	— 1·39	9·06	8·40	+ 0·66
17. Sind	1·32	0·53	+0·79	0·38	0·39	—0·01	6·20	5·51	+ 0·69	0	0·20	— 0·20	7·90	6·63	+ 1·27
18. Rajputana, West	1·34	0·29	+1·05	0·64	0·44	+0·20	13·29	10·74	+ 2·55	0	0·34	— 0·34	15·27	11·81	+ 3·46
19. Do. East	2·13	0·65	+1·48	1·51	0·74	+0·77	17·97	22·95	— 4·98	0	0·59	— 0·59	21·61	24·93	— 3·32
20. Gujarat	0·39	0·15	+0·24	0·12	0·27	—0·15	33·24	34·39	— 1·15	0	0·33	— 0·33	33·75	35·14	— 1·39
21. Central India, West	1·03	0·55	+0·48	0·47	0·47	0	24·65	32·78	— 8·13	0·26	0·59	— 0·33	26·41	34·39	— 7·98
22. Do. do. East	4·38	1·50	+2·88	1·22	0·79	+0·43	28·23	42·62	—14·39	0·14	0·74	— 0·60	33·97	45·65	—11·68
23. Berar	3·22	0·52	+2·70	1·35	0·98	+0·37	25·08	29·68	— 4·60	0·67	0·89	— 0·22	30·32	32·07	— 1·75
24. Central Provinces, West	3·60	0·93	+2·67	1·63	0·97	+0·66	32·65	43·85	—11·20	0·81	0·74	+ 0·07	38·69	46·49	— 7·80
25. Do. do. East	1·66	0·85	+0·81	3·33	1·84	+1·49	42·44	49·44	— 7·00	0·96	0·77	+ 0·19	48·39	52·90	— 4·51
26. Konkan	0·10	0·18	—0·08	1·32	1·98	—0·66	110·34	110·04	+ 0·30	0·43	0·94	— 0·51	112·19	113·14	— 0·95
27. Bombay Deccan	0·14	0·20	—0·06	2·56	2·29	+0·27	27·96	28·70	— 0·74	0·41	1·12	— 0·71	31·07	32·31	— 1·24
28. Hyderabad, North	0·23	0·24	—0·01	2·99	1·50	+1·49	24·14	32·76	— 8·62	0·47	1·31	— 0·84	27·83	35·81	— 7·98
29. Do. South	0·10	0·26	—0·16	5·86	2·15	+3·71	20·69	25·99	— 5·30	0·74	1·32	— 0·58	27·39	29·72	— 2·33
30. Mysore	0·19	0·11	+0·08	5·86	5·25	+0·61	27·54	26·05	+ 1·49	2·64	3·15	— 0·51	36·23	34·56	+ 1·67
31. Malabar	0·29	0·40	—0·11	8·48	10·55	—2·07	139·53	112·52	+27·01	8·30	5·23	+ 3·07	156·60	128·70	+27·90
32. Madras, South-east	0·36	1·22	—0·86	5·65	4·58	+1·07	29·77	33·28	— 3·51	11·60	10·83	+ 0·77	47·38	49·91	— 2·53
33. Do. Deccan	0·02	0·23	—0·21	2·84	2·51	+0·33	13·18	19·35	— 6·24	3·54	2·70	+ 0·84	19·51	24·79	— 5·28
34. Do. Coast, North	0·14	0·69	—0·55	5·24	3·41	+1·83	24·89	31·54	— 6·65	5·37	4·76	+ 0·61	35·64	40·40	— 4·76

TABLE 112.—*Average, over the 34 sub-divisions, of the actual and normal number of rainy days for the four seasons of the year 1907, and for the whole year.*

Sub-division.	January and February.			March to May.			June to October.			November and 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	3·4	−0·4	22·5	20·4	+2·1	79·0	96·2	−17·2	25·5	15·6	+9·9	130·0	135·6	−5·6
2. Lower Burma	1·0	0·4	+0·6	17·0	16·6	+0·4	101·6	99·7	+1·9	3·6	2·7	+0·9	123·2	119·4	+3·8
3. Upper Burma	1·1	0·7	+0·4	10·3	11·0	−0·7	41·1	46·0	−4·9	2·4	2·8	−0·4	54·9	60·5	−5·6
4. Assam	7·1	5·2	+1·9	33·7	33·4	+0·3	75·5	73·9	+1·6	1·8	2·3	−0·5	118·1	114·8	+3·3
5. Eastern Bengal	2·0	2·3	−0·3	21·2	17·6	+3·6	63·7	67·7	−4·0	1·6	1·1	+0·5	88·5	88·7	−0·2
6. Bengal	2·4	2·4	0	13·6	10·9	+2·7	53·2	59·7	−6·5	1·4	0·9	+0·5	70·6	73·9	−3·3
7. Orissa	2·0	1·9	+0·1	12·8	8·6	+4·2	53·0	58·5	−5·5	·1	1·9	+0·2	69·9	70·9	−1·0
8. Chota Nagpur	4·9	2·7	+2·2	8·4	7·1	+1·3	49·9	57·8	−7·9	1·7	0·9	+0·8	64·9	68·5	−3·6
9. Bihar	4·3	2·6	+1·7	7·8	4·9	+2·9	40·0	48·1	−8·1	0·2	0·6	−0·4	52·3	56·2	−3·9
10. United Provinces, East	5·8	2·6	+3·2	4·8	2·4	+2·4	25·4	40·0	−14·6	0	0·9	−0·9	36·0	45·9	−9·9
11. Do. do. West	6·1	3·6	+2·5	6·4	3·1	+3·3	21·4	35·5	−14·1	0	1·2	−1·2	33·9	43·4	−9·5
12. Punjab, East and North	7·6	4·6	+3·0	8·5	4·0	+4·5	16·0	20·6	−4·6	0	1·2	−1·2	32·1	30·4	+1·7
13. Do. South-west	3·1	2·6	+0·5	6·5	3·1	+3·4	8·5	8·5	0	0	0·7	−0·7	18·1	14·9	+3·2
14. Kashmir	12·8	9·4	+3·4	15·5	13·3	+2·2	16·2	18·4	−2·2	0·4	4·0	−3·6	44·9	45·1	−0·2
15. North-West Frontier Province	9·4	5·3	+4·1	14·0	7·6	+6·4	12·1	12·0	+0·1	0	1·7	−1·7	35·5	26·6	+8·9
16. Baluchistan	6·7	6·7	0	6·1	5·1	+1·0	5·0	4·0	+1·0	0·2	3·3	−3·1	18·0	19·1	−1·1
17. Sind	3·0	1·5	+1·5	1·1	1·0	+0·1	9·6	6·2	+3·4	0	0·5	−0·5	13·7	9·2	+4·5
18. Rajputana, West	3·0	0·8	+2·2	1·8	1·1	+0·7	14·4	13·5	+0·9	0	0·7	−0·7	19·2	16·1	+3·1
19. Do. East	4·1	1·6	+2·5	4·5	1·9	+2·6	22·3	28·4	−6·1	0	1·3	−1·3	30·9	33·2	−2·3
20. Gujarat	1·1	0·3	+0·8	0·3	1·1	−0·8	34·5	37·5	−3·0	0	0·5	−0·5	35·9	39·4	−3·5
21. Central India, West	2·3	1·2	+1·1	1·3	1·1	+0·2	31·6	40·1	−8·5	0·4	1·4	−1·0	35·6	43·8	−8·2
22. Do. do. East	7·4	3·2	+4·2	3·9	1·9	+2·0	32·3	46·0	−13·7	0·4	1·5	−1·1	44·0	52·6	−8·6
23. Berar	4·1	1·2	+2·9	3·3	2·2	+1·1	37·3	41·0	−3·7	1·0	1·3	−0·3	45·7	45·7	0
24. Central Provinces West	5·9	1·8	+4·1	4·0	2·3	+1·7	39·5	50·0	−10·5	1·3	1·2	+0·1	50·7	55·3	−4·6
25. Do. do. East	3·5	1·6	+1·9	7·2	3·9	+3·3	49·9	54·4	−4·5	1·7	1·2	+0·5	62·3	61·1	+1·2
26. Konkan	0·3	0·3	0	2·2	2·7	−0·5	80·6	92·0	−11·4	0·7	1·6	−0·9	83·8	96·6	−12·8
27. Bombay Deccan	0·4	0·4	0	5·3	4·4	+0·9	41·6	44·0	−2·4	1·0	1·9	−0·9	48·3	50·7	−2·4
28. Hyderabad, North	1·1	0·5	+0·6	5·3	3·6	+1·7	37·2	46·0	−8·8	1·1	2·2	−1·1	44·7	52·3	−7·6
29. Do. South	0·5	0·6	−0·1	9·4	4·3	+5·1	34·4	42·3	−7·9	2·5	2·5	0	46·8	49·7	−2·9
30. Mysore	0·4	0·2	+0·2	9·2	8·7	+0·5	39·3	39·6	−0·3	5·3	4·9	+0·4	54·2	53·4	+0·8
31. Malabar	0·8	0·4	+0·4	12·8	13·5	−0·7	99·0	98·9	+0·1	9·5	7·0	+2·5	122·1	119·8	+2·3
32. Madras, South-east	0·8	1·7	−0·9	8·9	6·6	+2·3	23·7	27·1	−3·4	13·7	12·4	+1·3	47·1	47·8	−0·7
33. Do. Deccan	0·1	0	+0·1	4·7	4·5	+0·2	24·7	31·0	−6·3	5·3	4·1	+1·2	34·8	39·6	−4·8
34. Do. Coast, North	0·4	0·8	−0·4	8·2	5·4	+2·8	34·0	40·7	−6·7	6·7	4·7	+2·0	49·3	51·6	−2·3

I. The cold weather period.—In respect of rainfall, the cold weather season of 1907 was abnormal and bore a strong resemblance to the corresponding period of 1906. January was very dry in nearly all parts of India, as also had been the preceding three months. In February on the other hand precipitation was excessive in almost all districts of northern and central India, and up to the average or a little below it over the rest of the country. In the Central Provinces and Central India the precipitation was the heaviest on record, exceeding considerably that of the corresponding months of 1898 and 1906, both of which were remarkably wet in those regions :—

(*a*) On the whole, notwithstanding the dryness of January, the total precipitation of the period was much above the average, equalling nearly that of the corresponding season of the previous year. Hyderabad Deccan was the only large area where the seasonal fall was short of the average but, as the normal quantity there does not exceed a quarter of an inch, the defect of 36 per cent. was of no significance. The region rainiest by percentage comparison with the normal was defined by the Central Provinces, Rajputana, Sind, the United Provinces and Central India, which received two to four times their normal quantity.

TABLE 113.

Division.	Rainfall of period, January and February.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Burma	0·43	0·26	+0·17	+65
Eastern Bengal and Assam	2·25	1·72	+0·53	+31
Bengal	1·56	1·22	+0·34	+28
United Provinces	3·33	1·48	+1·85	+125
Punjab	3·74	2·18	+1·56	+72
North-West Frontier Province	4·58	2·71	+1·87	+69
Sind	1·32	0·53	+0·79	+149
Rajputana	1·90	0·56	+1·34	+239
Bombay	0·21	0·18	+0·03	+17
Central India	1·89	0·84	+1·05	+125
Central Provinces	3·01	0·75	+2·26	+301
Hyderabad	0·16	0·25	—0·09	—36
Mysore	0·19	0·11	+0·08	+73
Madras	0·24	0·86	—0·62	—72
Mean of India when the size of the above areas is taken into account.	1·64	0·91	+0·73	+80

(*b*) In the regions beyond upper India weather was on the whole drier than usual in January and unusually disturbed during February. The distribution of precipitation as regards time thus exhibited the same general characteristics as that in India. On the average of the whole period there was an excess in Kashmir, Baluchistan, Persia and Afghanistan, and a defect in Mesopotamia.

TABLE 114.

Station.	Rainfall of period, January and February.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Aden	0·28	0·61	—0·33	—54
Perim	0·35	0·60	—0·25	—42
Baghdad	2·10	3·55	—1·45	—41
Ispahan	2·19	0·43	+1·76	+409
Tehran	2·91	2·11	+0·80	+38
Bushire	5·13	5·47	—0·34	—6
Meshed	1·22	1·44	—0·22	—15
Jask	2·10	1·84	+0·26	+14
Chaman	3·51	3·05	+0·46	+15*
Quetta	2·32	4·24	—1·92	—45*
Kabul	3·87	2·22	+1·65	+74
Gilgit	0·10	0·37	—0·27	—73
Srinagar	8·74	6·29	+2·45	+39
Kashgar	0·40	0·39	+0·01	+3
Leh	2·12	0·66	+1·46	+221

* Fuller data show that the precipitation was well above normal in Baluchistan.

(*c*) In the equatorial region as represented by Seychelles and Zanzibar the rainfall exceeded the normal in both months; while further south at Mauritius there was a marked defect throughout the period.

TABLE 115.

Station.	Departure from normal of rainfall.		
	January.	February.	Period, January and February.
	"	"	"
Seychelles	+1·90	+5·01	+6·91
Zanzibar	+1·86	—1·54	+0·32
Mauritius	—5·92	—4·47	—10·39

II. **The hot weather period.**—The unsettled weather which had characterized February lasted quite up to the end of April, the commencement of the hot weather conditions being thus delayed even more than in the two preceding years. The combined fall of the two months averaged 1·45″, or 88 per cent above the normal, this being the largest excess for the period (March and April) recorded since 1875. Further, the disturbed conditions were not confined to any particular province but extended over practically the whole of the country. The determining actions of the abnormal precipitation were not, however, of a general character: in northern India the wet weather was due to a series of cold weather disturbances which successively traversed that region from west to east, while in the Peninsula it accompanied the prevalence of unusual conditions over the Bay of Bengal and the Arabian Sea. May, on the other hand, like the corresponding months of 1905 and 1906, was one of deficient rainfall throughout the country with the exception of Burma and Rajputana. The defect was most pronounced on the one hand in northeast India, where the ordinary hot weather storms were less frequent and less severe than usual, and on the other hand in the Peninsula owing in part to the entire absence of preliminary advances of humid monsoon winds, and in part to the comparative rareness of the usual thunderstorms.

(*a*) The aggregate precipitation of the period March to May agreed with the normal in Sind and Bombay, and fell short of it in Eastern Bengal and Assam.

TABLE 116.

Division.	Rainfall of period, March to May.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal
	″	″	″	
Eastern Bengal and Assam	19·00	21·26	−2·26	−11
Sind	0·38	0·39	−0·01	−3
Bombay	1·54	1·59	−0·05	−3

(*b*) Over the remainder of the country, including Burma, Bengal, the United Provinces, the Punjab, the North-West Frontier Province, Rajputana, the Central Provinces, Central India, Hyderabad, Mysore and Madras, the normal rainfall of the period was exceeded, the excess being greatest in absolute amount in the North-West Frontier Province, which recorded upwards of three inches more than the average; and expressed as a percentage of the normal, in Hyderabad (Deccan) and the Punjab (146 and 126 per cent. respectively).

TABLE 117.

Division.	Rainfall of period, March to May.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	″	″	″	
Burma	12·69	10·58	+2·11	+20
Bengal	6·87	5·32	+1·55	+29
United Provinces	2·18	1·21	+0·97	+80
Punjab	3·86	1·71	+2·15	+126
North-West Frontier Province	6·92	3·81	+3·11	+82
Rajputana	1·28	0·66	+0·62	+94
Central India	0·73	0·57	+0·16	+28
Central Provinces	1·88	1·17	+0·71	+61
Hyderabad	4·55	1·85	+2·70	+146
Mysore	5·86	5·25	+0·61	+12
Madras	5·42	4·50	+0·92	+20
Mean of India when the size of the areas is taken into account.	5·41	4·50	+0·91	+20

(*c*) The precipitation of the period in regions to the north and west of upper India, although in excess on the whole, was rather irregularly distributed. Kashgar marked the probable northern limit of the zone of abundant rainfall.

TABLE 118.

Station.	Departure from normal.			Percentage departure of period, March to May.
	March.	April.	May.	
	″	″	″	
Aden	−0·87	−0·04	−0·19	−76
Perim	−0·27	+1·04	−0·37	+61
Baghdad	+2·57	+1·42	+0·55	+162
Ispahan	+0·37	+0·11	+0·43	+61
Tehran	−1·60	−0·08	+0·77	−21
Bushire	−0·78	+0·08	+0·02	−44
Meshed	−0·32	+2·16	−1·52	+68
Jask	−115	+0·23	0	−78
Chaman	−0·82	+0·02	−0·05	−47
Quetta	+0·66	+0·86	−0·40	+34
Kabul	+0·23	+0·76	−0·54	+6
Gilgit	−0·20	+0·15	+0·19	+6
Srinagar	+0·96	+1·66	−1·02	+9
Kashgar	−0·20	−0·12	−0·88	−100
Leh	+0·37	+0·09	−0·14	+53

The excess during May in Persia is an indication that the winter there was even more protracted than in upper India, where the very wet conditions of the preceding months gave place to weather drier than usual during May.

(*d*) In the Indian Ocean rainfall was throughout in marked defect at Zanzibar and Seychelles, and in slight excess at Mauritius.

TABLE 119.

Station.	Percentage departure from normal of rainfall.			
	March.	April.	May.	Period, March to May.
Seychelles	—82	—30	—19	—51
Zanzibar	—29	—51	—29	—39
Mauritius	—21	+ 72	+ 29	+ 15

III. The south-west monsoon period, June to September.

The heavy precipitation of the winter and spring months was as usual followed by a marked retardation of the monsoon rains, particularly in the interior districts. The Arabian Sea current appeared on the Malabar coast on June 8th and on the Konkan coast on the 15th, that is from five to ten days after the normal date; and was weak and unsteady throughout the rest of June and the first three weeks of July. The Bay current on the other hand was established on about the usual date in Bengal, but failed for some time to advance properly up the Gangetic plain beyond Bihar. The extension inland of the monsoon currents was in fact so slow that in the United Provinces, the east Punjab, Rajputana, Gujarat and Central India the rains were not fully established before the fourth week in July; whereas in ordinary years this event occurs during the second fortnight of June. From about July 21st to the same date in August the monsoon was unusually active, but on August 22nd the Arabian Sea current collapsed almost entirely and a suspension of rainfall occurred over northwestern India. The break thus initiated extended eastwards and by the end of the month rain had ceased to fall in the central parts of the country. No appreciable improvement in the strength of the currents occurred in September, during which month rainfall was almost confined to Burma, northeast India and the Peninsula, and even in these regions it was less than the normal in most places.

The monsoon currents of 1907 were thus not only late in being established but also retreated much before their normal date from northern and central India, with the result that the total period of the activity of the monsoon was seriously shortened. The statement below illustrates these features :—

TABLE 120.

Division.	Actual date of		Total duration of monsoon.	
	Commencement of monsoon.	Termination of monsoon.	1907.	Normal.
Bihar	June 19th	Sept. 27th	14 weeks	17½ weeks
Chota Nagpur . .	" 18th	" 25th	14 "	17½ "
United Provinces, East.	July 21st	" 7th	7 "	17
" " West .	" 21st	Aug. 29th	5½ "	13½ "
East Punjab . . .	" 23rd	" 26th	5 "	11 "
Rajputana . .	" 28th	Sept. 6th	6 "	14 "
Gujarat . . .	" 27th	" 7th	6 "	14½ "
Central India . .	" 22nd	" 22nd	9 "	15½ "
Central Provinces. .	June 16th	" 23rd	14 "	18 "

The cessation of the rains in northern and central India at a time when rain is essential for agricultural purposes was disastrous in its consequences quite as much as in 1896.

In respect of delay in the advent of the monsoon currents and of their general weakness, the rainy season of 1907 was very similar to the corresponding periods of the three previous years, but differed from them in this important point that while in 1904, 1905 and 1906 the final withdrawal of the monsoon from northern India took place at about the normal date, in 1907 that event occurred several weeks earlier.

(*a*) On the average of the whole period and area the rainfall was 9 per cent. below the normal. Similar or even greater defects were recorded in 1877, 1891, 1895, 1899 and 1901, but only in 1895 and 1899 was the failure associated with an early withdrawal of the currents from the northern and central parts of the country.

(*b*) The local distribution of rainfall was on the whole somewhat more irregular in the field of the Arabian Sea current than in that served by the Bay monsoon, and it was even more unfavourable than in 1906.

TABLE 121.

Division.	Rainfall of period, June to September.				Rainfall of period, June to October.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"		"	"	"	
Burma	59·18	59·92	—0·74	—1	66·29	65·50	+0·79	+1
Eastern Bengal and Assam	62·54	63·47	—0·93	—1	64·37	68·56	—4·19	—6
Bengal	41·09	43·73	—2·64	—6	41·50	47·26	—5·76	—12
United Provinces	20·26	34·97	—14·71	—42	20·26	36·29	—16·03	—44
Punjab	11·31	16·15	—4·84	—30	11·32	16·37	—5·05	—31
North-West Frontier Province	6·89	8·60	—1·71	—20	7·01	8·86	—1·85	—21
Sind	6·20	5·49	+0·71	+13	6·20	5·51	+0·69	+13
Rajputana	16·64	19·51	—2·87	—15	16·64	19·68	—3·04	—15
Bombay	43·41	41·76	+1·65	+4	43·76	44·60	—0·84	—2
Central India	25·81	35·21	—9·40	—27	25·81	36·15	—10·34	—29
Central Provinces	31·70	37·49	—5·79	—15	31·71	39·27	—7·56	—19
Hyderabad	22·23	26·26	—4·03	—15	22·25	29·06	—6·81	—23
Mysore	25·29	20·57	+4·72	+23	27·54	26·05	+1·49	+6
Madras	25·35	24·29	+1·06	+4	29·90	31·40	—1·50	—5
Mean of India when the size of the above areas is taken into account.	32·12	35·24	—3·12	—9	33·63	38·16	—4·53	—12

The shortage was thus greatest in the northern half of the field of the Arabian Sea current. It was persistent throughout the period in the United Provinces, though on the whole more marked in the terminal months than in July or August.

(c) The available information relating to precipitation in the highlands to the west and north of northwest India, and at the insular stations in the Indian Ocean, although limited in amount, indicates that the shortage of the rains in the land area of India was not compensated by an excess elsewhere.

TABLE 122.

Station.	Rainfall of period, June to September.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Mauritius	5·18	8·03	—2·85	—35
Seychelles	11·44	15·93	—4·49	—28
Zanzibar	5·31	7·77	—2·46	—32
Aden	0·02	0·31	—0·29	—94

Station.	Rainfall of period, June to September.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Perim	0	0·47	—0·47	—100
Baghdad	0	0·09	—0·09	—100
Ispahan	0·05	0·06	—0·01	—17
Bushire	0	0	0	0
Meshed	0	0·27	—0·27	—100
Chaman	0·33	0·23	+0·10	+43
Quetta	1·85	1·92	—0·07	—4
Kabul	0·33	0·62	—0·29	—47
Gilgit	2·31	1·78	+0·53	+30
Srinagar	8·93	7·81	+1·12	+14
Kashgar	2·10	2·13	—0·03	—1
Aden	0·95	1·31	—0·36	—27

IV. The retreating southwest monsoon period.

The retreating monsoon current, as measured by its rain producing capacity, was abnormally weak during practically the whole of the period; in this particular comparing unfavourably even with the monsoon of 1906, during which year a marked revival of activity occurred over the Peninsula in December.

A study of the records of previous years shows that in seven cases out of the nine which are on record the general weakness of the monsoon during the period June to September persisted through the succeeding season, while the currents were retreating down the Indian seas, and the behaviour of the monsoon of 1907 was in agreement with this observation.

The following table illustrates this statement :—

TABLE 123.

Year.	Departure from normal of rainfall over India during period.	
	June to September.	October to December.
	"	"
1876	—3·21	—2·07
1877	—6·64	+2·22
1891	—4·53	—0·74
1895	—2·22	—1·06
1899	—10·03	—2·50
1901	—4·68	—0·10
1904	—3·27	—1·12
1905	—4·90	—1·30
1907	—2·82	—1·78

The converse relationship is not however found to be very close.

Conditions were less disturbed than usual in Kashmir, Turkistan and the plateaux of Persia and Baluchistan, and there were no indications of an early or severe winter.

(*a*) There was scarcely any rainfall over northwest India: the defect, although not large in actual amount, was serious from the standpoint of crops as it was the continuation of a feature which had characterized the greater part of the rainy season proper. The period was quite rainless in the United Provinces which usually records moderate rainfall during October.

TABLE 124.

Division.	Rainfall of period, October to December.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
United Provinces	0	1·82	—1·82	—100
Punjab	0·01	0·81	—0·80	—99
North-West Frontier Province	0·12	1·23	—1·11	—90
Sind	0	0·22	—0·22	—100
Rajputana	0	0·69	—0·69	—100

(*b*) Over the rest of the country more or less rain was received, but the aggregate fall was everywhere below the average except in Burma, which obtained 22 per cent. more than its normal quantity. The defect exceeded 50 per cent. in amount over the greater part of the region of scanty precipitation and was on the whole most pronounced in Bombay, Central India and Hyderabad, which received less than one-fifth of their normal supply.

TABLE 125.

Division.	Rainfall of period, October to December.			
	Actual.	Normal.	Departure from normal	Percentage departure from normal.
	"	"	"	
Burma	8·86	7·24	+1·62	+22
Eastern Bengal and Assam	2·40	6·08	—3·68	—61
Bengal	1·05	4·21	—3·16	—75
Bombay	0·62	3·67	—3·05	—83
Central India	0·22	1·58	—1·36	—86
Central Provinces	0·79	2·59	—1·80	—69
Hyderabad	0·64	4·12	—3·48	—84
Mysore	4·89	8·63	—3·74	—43
Madras	12·90	14·53	—1·63	—11
Mean of India when the size of the areas is taken into account.	2·79	4·44	—1·65	—37

(*c*) The dryness was not restricted to the Indian region, but extended beyond it westwards into Persia, northwards into east Turkistan and southwards to the Seychelles and Zanzibar.

TABLE 126.

Station.	Rainfall of period, October to December.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Mauritius	14·13	8·29	+5·84	+70
Seychelles	21·52	31·18	—9·66	—31
Zanzibar	12·42	17·03	—4·61	—27
Aden	0	0·61	—0·61	—100
Perim	0·15	0·19	—0·04	—21
Baghdad	0·59	2·60	—2·01	—77
Ispahan	0·94	1·67	—0·73	—44
Bushire	1·45	5·11	—3·66	—72
Meshed	0·55	1·63	—1·08	—66
Chaman	0·27	1·22	—0·95	—78
Quetta	0·18	1·21	—1·03	—85
Kabul	2·94	1·33	+1·61	+121
Gilgit	0·08	0·34	—0·26	—76
Srinagar	1·20	2·21	—1·01	—46
Kashgar	0	0·27	—0·27	—100
Leh	0·28	0·43	—0·15	—35

The year.—According to the table below which is based on the whole of the rainfall data of the plains of India including Burma, the rainfall of the year averaged 3·10 inches, or 7 per cent. below the normal. The deficiency was almost universal and was largely a result of the persistent weakness of the monsoon currents and their early retreat from northern and central India. On the whole the shortage was more marked in the region which usually receives its supply of rainfall from the Arabian Sea current than in that dependent upon the Bay monsoon.

TABLE 127.

Division.	Annual rainfall.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Burma	81·16	78·00	+3·16	+4
Eastern Bengal and Assam	86·19	92·53	—6·34	—7
Bengal	50·57	54·48	—3·91	—7
United Provinces	25·77	39·48	—13·71	—35
Punjab	18·92	20·85	—1·93	—9
North-West Frontier Province	18·51	16·35	+2·16	+13
Sind	7·90	6·63	+1·27	+19
Rajputana	19·82	21·42	—1·60	—7
Bombay	45·78	47·20	—1·42	—3
Central India	28·65	38·20	—9·55	—25
Central Provinces	37·38	42·00	—4·62	—11
Hyderabad	27·58	32·48	—4·90	—15
Mysore	36·23	34·56	+1·67	+5
Madras	43·91	44·18	—0·27	—1
Mean of India when the size of the above areas is taken into account.	41·99	45·09	—3·10	—7

The seasonal distribution which is exhibited below approximated more closely to that of 1905 than to that of 1906.

TABLE 128.

Period.	Rainfall of India (when the sizes of areas are taken into account) in 1907.				Percentage departure from normal of rainfall over India.	
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.	1906.	1905.
	"	"	"			
Cold weather	1·64	0·91	+0·73	+80	+133	+37
Hot "	5·41	4·50	+0·91	+20	—23	+9
South-west monsoon	32·12	35·24	—3·12	—9	—1	—7
Retreating south-west monsoon.	2·79	4·44	—1·65	—37	—9	—20
Whole year	41·99	45·09	—3·10	—7	—1	—6

The inverse relationship displayed in the preceding statement between the rainfall departures of the first two periods and the succeeding rainy season is borne out by the records of many previous years. The following table, giving

data for the years in which the total precipitation of the period January to April differed by more than half an inch from the normal, illustrates this connection :—

TABLE 129.

Year.	Departure from normal of rainfall over the Indian land area during period.	
	January to April.	June to September.
	"	"
1875	+0·56	+5·12
1876	—1·24	—3·21
1877	+1·94	—6·64
1879	—1·21	+1·20
1884	—0·75	+0·67
1886	—0·68	+1·67
1888	+0·51	—0·42
1893	+2·52	+1·84
1896	—1·02	+0·84
1898	—0·61	+0·68
1899	+0·88	—10·03
1901	+1·30	—4·68
1903	—1·11	+0·31
1905	+0·83	—4·90
1906	+0·82	—0·74
1907	+2·19	—3·14

It is noteworthy that over the greater part of the region where rainfall ordinarily occurs almost solely during the cold season, the year's precipitation was well above the average. In the Indian Ocean as represented by Mauritius, Seychelles and Zanzibar on the other hand, the year was almost as dry as in India.

TABLE 130.

Station.	Annual rainfall.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Mauritius	44·44	49·08	—4·64	—9
Seychelles	81·93	101·37	—19·44	—19
Zanzibar	42·04	60·39	—18·35	—30
Aden	0·64	2·97	—2·33	—78
Perim	1·56	1·92	—0·36	—19
Baghdad	10·03	9·04	+0·99	+11
Ispahan	5·57	3·6	+1·93	+53
Bushire	7·43	12·11	—4·68	—39
Meshed	10·08	8·29	+1·79	+22
Chaman	5·05	6·29	—1·24	—20
Quetta	8·78	10·68	—1·90	—18
Kabul	15·27	11·85	+3·42	+29
Gilgit	4·94	4·80	+0·14	+3
Srinagar	28·90	24·74	+4·16	+17
Kashgarh	2·50	3·99	—1·49	—37
Leh	4·27	3·00	+1·27	+42

The following gives for the past 17 years the departures of the mean annual rainfall of the country as derived from the data of about 2,000 rain-gauge stations.*

TABLE 131.

Year.	Annual rainfall of India.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
1891	51·52	55·61	—4·09	—7
1892	57·09	53·59	+3·50	+7
1893	61·66	53·21	+8·45	+16
1894	61·15	53·53	+7·62	+14
1895	49·22	53·11	—3·89	—7
1896	47·81	52·15	—4·34	—8
1897	52·76	51·31	+1·45	+3
1898	52·32	51·38	+0·94	+2
1899	45·01	51·78	—6·77	—13
1900	51·53	52·00	—0·47	—1
1901	48·14	51·89	—3·75	—7
1902	50·56	51·70	—1·14	—2
1903	52·97	51·59	+1·38	+3
1904	49·40	51·56	—2·16	—4
1905	48·72	51·64	—2·92	—6
1906	51·08	51·79	—0·71	—1
1907	47·18	49·08	—1·90	—4

* In this and the succeeding table no account is taken of the area represented by each station.

Similar data for India, excluding Burma, are given below :—

TABLE 132.

Year.	Annual rainfall of India excluding Burma.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
1891	43·91	48·57	—4·66	—10
1892	49·99	46·03	+3·96	+9
1893	54·57	45·78	+8·79	+19
1894	53·80	45·97	+7·83	+17
1895	42·86	45·67	—2·81	—6
1896	39·39	45·02	—5·63	—13
1897	46·07	44.94	+1·13	+3
1898	45·96	45·02	+0·94	+2
1899	37·35	45·08	—7·73	—17
1900	44·85	45·32	—0·47	—1
1901	41·05	45·32	—4·27	—9
1902	44 02	44·89	—0·87	—2
1903	46·81	44·79	+2·02	+5
1904	40·81	44.77	—3·96	—9
1905	40·60	44·87	—4·27	—10
1906	45·42	45·03	+0·39	+1
1907	45·30	47·56	—2·26	—5

These data differ to some extent from those given in the following statement, which is based on the returns of about 400 stations selected by the late Mr. Blanford as representative of the rainfall conditions in India excluding Burma*

TABLE 133.

Year.	Rainfall.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
1875	43·47	41·09	+2·38	+6
1876	36·60	41·09	—4·49	—11
1877	36·81	41·09	—4·28	—10
1878	47·43	41·09	+6·34	+15
1879	42·78	41·09	+1·69	+4
1880	39·53	41·09	—1·56	—4
1881	41·19	41 09	+0·10	0
1882	43 73	41·09	+2·64	+6
1883	40·97	41·09	—0·12	0
1884	42·82	41·09	+1·73	+4
1885	42·14	41·09	+1·05	+3
1886	44·11	41·09	+3·02	+7
1887	43·51	41·09	+2·42	+6
1888	39·55	41·09	—1·54	—4
1889	43 50	41·09	+2·41	+6
1890	41·77	41·09	+0·68	+2
1891	37·55	41·09	—3·54	—9
1892	46·18	41·09	+5·09	+12
1893	50·16	41·09	+9·07	+22
1894	47·56	41·09	+6·47	+16
1895	38·90	41·09	—2·19	—7
1896	36·26	41·09	—4·83	—12
1897	40·94	41·09	—0·15	0
1898	41·52	41·09	+0·43	+1
1899	29·95	41 09	—11·14	—27
1900	40·52	41·09	—0·57	—1
1901	36·96	41·09	—4·13	—10
1902	39·04	41·09	—2·05	—5
1903	43·06	41·09	+1·97	+5
1904	36·32	41·09	—4·77	—12
1905	35·51	41·09	—5·58	—14
1906	42 28	41·09	+1·19	+3
1907	37·87	41·09	—3·22	—8

*In the calculation of these averages allowance is made for the area represented by each station.

HEM RAJ.

Table A.—Abstract of observations taken at 10 hrs. and 16 hrs. at 38 stations in India, etc., in the year 1907.

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. 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
	I.—Burma.																	
2	Rangoon	36	29·883	29·768	·115	29·828	—·006	29·800	88·6	73·7	14·9	100·9	58·8	42·1	82·2	84·0	79·2	0
	III.—Bengal.																	
6	Calcutta	21	·837	·720	·117	·777	—·010	·744	87·6	70·6	17·0	103·3	48·2	55·1	81·5	85·4	78·6	+0·6
	IV.—United Provinces of Agra and Oudh.																	
10	Allahabad	309	·526	·410	·116	·463	—·013	·725	91·5	66·5	25·0	112·3	38·5	73·8	82·7	89·3	77·8	+0·5
11	Dehra Dun	2,233	27·608	27·523	·085	27·558	—·013	·754	82·1	60·2	21·9	103·4	38·6	64·8	73·8	78·1	70·2	+0·1
	V.—Punjab.																	
12	Lahore	702	29·116	29·027	·089	29·064	—·007	·736	89·1	62·8	26·3	114·8	32·9	81·9	78·6	87·0	74·8	+0·1
	VIII.—Rajputana.																	
19	Jaipur	1,431	28·438	28·335	·103	28·381	+·003	·762	90·7	65·5	25·2	111·7	39·1	72·6	81·7	88·1	77·0	—0·1
	Udaipur	1,925?	27·964	27·862	·102	27·910	...	·771	88·6	63·7	24·9	105·9	38·4	67·5	80·8	86·5	75·9	...
	IX.—Bombay.																	
26	Bombay	37	29·877	29·778	·099	29·827	—·001	·803	86·8	75·6	11·2	93·7	63·3	30·4	81·3	83·4	80·1	+0·9
	XI.—Central Provinces.																	
23	Buldana	2,132	27·783	27·667	·116	27·721	—·004	·771	88·0	67·7	20·3	105·0	49·2	55·8	80·7	86·0	76·8	+0·4
24	Nagpur	1,017	28·859	28·728	·131	28·792	+·012	·762	92·0	67·3	24·7	111·1	45·9	65·2	82·1	89·3	78·7	—0·9
	XII.—Hyderabad.																	
29	Hyderabad	1,690	·211	·090	·121	·151	+·005	·772	90·0	69·2	20·8	105·5	51·0	54·5	81·3	87·3	78·6	+0·1
	XIII.—Mysore.																	
30	Bangalore	3,021	26·949	26·836	·113	26·896	—·005	·790	84·6	64·0	20·6	96·6	48·9	47·7	76·7	81·8	73·0	+0·2
	Mysore	2,518	27·443	27·323	·120	27·387	—·004	·806	86·0	65·9	20·1	97·6	52·1	45·5	78·2	83·2	74·6	—0·1
	XIV.—Madras.																	
32	Periyakulam	944	28·960	28·823	·137	28·892	...	·765	91·2	69·9	21·3	99·4	51·6	47·8	82·9	87·3	80·4	...
	Pudukkottai	318	29·605	29·472	·133	29·539	...	·785	93·6	74·7	18·9	104·8	61·7	43·1	85·2	90·3	84·2	...
	Madras	22	·888	·774	·114	·835	—·007	·794	91·4	75·0	16·4	109·0	59·6	49·4	86·2	86·3	82·1	+0·4
	Stations in the Bay.																	
1	Port Blair	61	·861	·766	·095	·815	—·001	·807	86·1	76·6	9·5	93·8	68·3	25·5	83·0	83·5	80·2	—0·9
	Kashmir.																	
14	Srinagar	5,204	24·895	24·811	·084	24·850	—·007	24·821	66·6	43·5	23·1	91·8	15·6	76·2	55·3	64·4	53·4	+0·1
	Leh	11,503	19,700	19·609	·091	19·655	—·008	19·623	53·5	28·7	24·8	83·5	—5·1	88·6	44·1	49·9	39·5	—1·5
	Baluchistan.																	
16	Quetta	5,502	24·625	24·549	·076	24·579	—·009	24·539	73·8	44·5	29·3	96·7	16·0	80·7	65·5	70·6	58·9	+0·1

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

A.

38 stations in India, etc., in the year 1907.

Temperature Wet-bulb.				Vapour tension in inches of mercury.					Humidity.					Cloud.				Rainfall.			
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.	Station.	Number of subdivision.
20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
																				I.—Burma.	
71·7	75·4	75·5	73·9	·763	·799	·755	·789	—·006	90	73	65	81	—2	5·4	6·0	5·7	+0·3	100·28	3·81	Rangoon	
																				III.—Bengal.	
68·3	73·5	73·9	71·9	·689	·744	·704	·728	—·016	88	67	57	74	—3	4·2	4·6	4·4	—0·1	53·64	8·62	Calcutta	6
																				IV.—United Provinces of Agra and Oudh.	
61·3	67·4	68·4	65·7	·515	·495	·442	·496	—·072	75	44	33	54	—7	3·0	3·5	3·3	—0·3	27·16	3·92	Allahabad	10
55·5	62·4	63·8	60·6	·414	·453	·440	·445	—·023	75	53	46	61	—3	3·1	4·0	3·6	—0·4	45·21	2·94	Dehra Dun	11
																				V.—Punjab.	
58·0	65·6	68·2	63·9	·466	·493	·467	·485	—·005	76	50	38	57	+1	2·4	2·5	2·5	—0·4	15·05	1·54	Lahore	12
																				VIII.—Rajputana.	
57·5	64·9	65·9	62·8	·413	·431	·384	·417	—·048	61	39	29	46	—7	2·6	3·7	3·2	—0·5	18·47	3·43	Jaipur	19
57·9	65·8	68·3	64·0	·445	·474	·481	·471	...	70	44	39	52	...	2·4	2·9	2·7	...	18·22	2·05	Udaipur	
																				IX.—Bombay.	
71·3	74·2	75·7	73·7	·718	·765	·800	·778	—·014	80	71	69	76	—2	3·8	3·4	3·6	—0·2	100·78	10·02	Bombay	26
																				XI.—Central Provinces.	
58·7	65·1	65·7	63·1	·404	·441	·395	·415	—·047	58	43	34	48	—8	3·4	4·4	3·9	—0·3	26·97	1·58	Buldana	23
61·2	68·0	69·7	66·3	·491	·532	·498	·513	—·019	71	50	38	55	0	3·0	4·0	3·5	—1·0	48·25	3·82	Nagpur	24
																				XII.—Hyderabad.	
63·6	68·5	69·4	67·2	·530	·545	·502	·533	—·046	74	53	41	58	—4	3·9	4·7	4·3	+0·1	25·23	2·23	Hyderabad	29
																				XIII.—Mysore.	
61·8	67·1	66·9	65·5	·533	·557	·490	·536	—·006	89	61	47	68	—1	4·4	5·2	4·8	...	31·58	3·67	Bangalore	30
63·1	67·9	67·7	66·2	·551	·560	·492	·541	—·016	85	66	45	65	—1	5·9	6·4	6·2	0	25·67	1·82	Mysore	
																				XIV.—Madras.	
66·5	71·9	72·2	70·2	·616	·636	·591	·615	...	84	57	47	62	...	4·7	6·7	5·7	...	45·83	2·31	Periyakulam	32
70·6	74·0	74·4	72·9	·707	·693	·649	·683	...	84	58	47	63	...	6·0	6·7	6·4	...	23·67	2·60	Pudukkottai	
72·4	76·6	77·1	75·4	·769	·792	·814	·809	0	89	64	65	75	—1	4·5	4·6	4·6	—0·5	44·66	4·59	Madras	
																				Stations in the Bay.	
72·8	77·4	77·2	76·1	·793	·869	·852	·856	—·047	87	77	74	82	—2	6·4	7·0	6·7	+0·8	131·79	5·08	Port Blair	1
																				Kashmir.	
41·1	51·5	59·5	50·7	·257	·383	·506	·356	—·007	82	78	76	79*	—2	4·0	5·6	4·8	+0·3	28·90	2·59	Srinagar	14
24·9	34·0	36·6	31·8	·120	·128	·124	·132	—·003	68	44	35	51	0	4·5	5·5	5·0	—0·5	4·27	0·42	Leh	
																				Baluchistan.	
40·4	49·5	51·2	47·0	·234	·212	·192	·213	—·033	74	34	28	47	—4	1·7	2·6	2·2	—0·2	8·78	1·18	Quetta	16

*Mean of three previous columns.

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. Mean of 10 hrs.	Pressure. Mean of 16 hrs.	Pressure. Mean daily range.	Pressure. Mean of daily mean pressures.	Pressure. Departure from normal.	Pressure. Mean reduced to S. L. and gravity 45° Lat.	Temperature of air. Mean maximum.	Temperature of air. Mean minimum.	Temperature of air. Mean daily range.	Temperature of air. Highest maximum.	Temperature of air. Lowest minimum.	Temperature of air. Absolute range.	Temperature of air. Mean 10 hrs.	Temperature of air. Mean 16 hrs.	Temperature of air. Mean of daily means.	Temperature of air. Departure from normal.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
	Hill Stations excluding Kashmir and Baluchistan.																	
	Simla	7,224	23·104	23·056	·048	23·073	—·010	23·035	60·8	49·5	11·3	81·2	25·4	55·8	56·3	57·7	54·9	—0·3
	Sarain	...	·155	·097	·058	·117	...	...	62·4	42·4	20·0	83·2	20·9	62·3	56·2	56·7	52·1	...
	Kalabagh	...	20·145	20·109	·036	20·121	...	...	52·3	40·1	12·2	71·4	21·9	49·5	47·4	48·0	45·8	...
	Chakrata	7,022	23·282	23·236	·046	23·250	—·001	·210	64·8	48·7	16·1	83·8	26·5	57·3	59·3	58·7	56·5	—0·2
	Muktesar	7,556	22·871	22·810	·061	22·833	...	22·791	63·5	(a) 49·5	14·0	80·5	25·7	54·8	56·8	59·1	(a) 56·7	...
	Katmandu	4,388	25·644	25·538	·106	25·588	+·023†	25·542	75·9	53·2	22·7	90·6	28·2	62·4	66·3	71·6	64·3	—0·3†
	Darjeeling	7,376	23·002	22·964	·038	22·978	—·012	22·935	59·2	47·3	11·9	71·8	32·0	39·8	55·3	57·2	53·1	+0·4
	Pachmarhi	3,528	26·449	26·359	·090	26·399	+·001	26·346	80·5	(a) 60·4	20·1	97·6	37·1	60·5	73·8	78·0	(a) 70·3	(a) —0·5
	Mount Abu	3,945	·046	25·975	·071	·006	—·003	25·956	75·1	61·7	13·4	91·4	45·4	46·0	70·5	72·9	68·1	—0·7
	Chikalda	3,642	·340	26·246	·094	·289	—·008	26·233	80·7	63·1	17·6	97·3	48·7	48·6	73·6	78·0	71·6	0
	Ootacamund	7,322	23·067	22·998	·069	23·029	...	22·965	65·0	49·1	15·9	72·7	32·1	40·6	61·6	60·3	56·8	...
	Kodaikanal	7,688	22·844	·774	·070	22·809	...	·744	64·5	50·8	13·7	74·7	40·2	33·9	60·6	58·9	57·5	...
	Dodabetta	8,539†	·055	21·993	·062	·023	...	21·960	58·2	47·8	10·4	68·4	33·2	35·2	55·7	54·9	52·9	...
	Extra India.																	
	Minicoy	7	29·963	29·891	·072	29·932	...	(c) 29·863	(c) 87·1	...	...	93·4	...	...	(c) 84·5	(c) 84·2	...	...
	Zanzibar	72	30·003	·889	·114	·951	—·001	·949	84·0	76·3	7·7	92·0	70·9	21·1	80·2	83·2	79·3	+0·1
	Diego Garcia (d)	...	29·952	·870	·082	·912	...	...	83·4	76·1	7·3	86·0	71·4	14·6	80·2	80·4	79·8	...
	Seychelles	15	·985	·898	·087	·948	+·004†	·887	82·7	76·8	5·9	87·7	70·2	17·5	80·7	81·4	78·5	+0·5†
	Mauritius	181	...	...	...	·882	—·009	30·011	...	..	...	90·3	49·9	40·4	...	...	73·1	—0·3

N.B.—Elevations in italics indicate barometric determinations.
NOTE.—The barometric readings are not reduced to sea level in the cases of hill or plateau stations, the elevations of which exceed 3,200 feet.
* Mean of 7 months.
(a) Mean of 11 months.
(d) Mean of 5 months.

A.

38 stations in India, etc., in the year 1907—concld.

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
																				Hill Stations excluding Kashmir and Baluchistan.	
43·0	47·2	48·6	46·3	·230	·249	·268	·250	—·033	62	53	54	57	—4	4·0	5·2	4·6	—0·4	48·24	2·64	Simla	
...	46·4	47·3	...	...	·236	·251	...	...	...	51	53	...	...	3·8	4·9	4·4	...	48·91	3·32	Sarain	
...	40·8	41·2	...	...	·211	·215	...	...	...	61	60	...	...	4·4	5·1	4·8	...	30·84	4·88	Kalabagh*	
44·0	51·1	51·1	48·7	·257	·312	·319	·297	0	71	59	62	66	+1	3·8	4·9	4·4	—0·3	52·59	5·09	Chakrata	
43·0	48·5	50·7	47·4	(a) ·251	·275	·305	(a) ·288	...	(a) 68	57	58	(a) 64	...	4·4	5·3	4·9	...	42·31	6·28	Muktesar	
51·3	59·4	61·6	57·5	·389	·457	·454	·434	—·016	87	67	56	72	—1	3·5	4·6	4·1	—0·5	54·79	3·23	Katmandu	
45·4	52·7	54·8	51·0	·301	·390	·422	·376	+·017	87	85	86	87	+1	6·6	7·1	6·9	+0·2	87·60	3·97	Darjeeling	
53·5	61·1	62·7	59·1	(a) ·374	·406	·405	(a) ·403	(a) —·030	(a) 68	49	44	(a) 56	(a) —3	2·8	3·1	3·0	—1·4	57·78	6·10	Pachmarhi	
54·8	58·8	60·6	58·0	·365	·377	·403	·384	+·019	64	51	50	58	+4	3·1	3·3	3·2	—0·4	79·02	16·53	Mount Abu	
56·7	61·5	63·3	60·5	·402	·416	·422	·415	—·016	68	52	47	58	—2	3·6	4·1	3·9	—0·4	54·00	4·24	Chikalda	
46·2	53·6	54·2	51·3	·291	·333	·360	·328	...	81	62	70	71	...	5·3	7·0	6·2	...	53·25	2·07	Ootacamund	
46·6	53·7	54·6	51·6	·285	·347	·386	·340	...	75	67	78	73	...	5·1	7·3	6·2	...	48·46	3·63	Kodaikanal	
(b) 44·7	50·1	50·7	(b) 48·4	(b) ·267	·306	·329	(b) ·289	...	(b) 78	71	77	(b) 69	...	5·9	7·5	6·7	...	46·77	2·77	Dodabetta	
																				Extra India.	
...	(c) 78·0	(c) 77·7	...	...	(c) ·874	(c) ·863	...	...	...	(c) 74	(c) 74	...	...	4·9	5·6	5·3	...	57·41	5·20	Minicoy	
71·9	75·1	75·0	74·0	·730	·809	·764	·792	—·024	80	78	67	77	—3	5·9	4·7	5·3	+0·2	42·04	2·35	Zanzibar	
...	75·4	75·4	...	...	·816	·814	...	...	...	79	78	..	...	5·3	5·3	5·3	...	41·52	4·50	Diego Garcia (d)	
71·5	75·4	75·6	74·2	·708	·819	·814	·797	—·015	76	77	76	79	—2	5·7	6·0	5·9	—0·4†	81·93	6·43	Seychelles	
...	...	...	68·0	...	...	...	·611	—·012	...	...	...	74	—1	...	...	6·3	+0·6	44·44	3·38	Mauritius	

† Departures from old normals.
* Mean of 7 months.
(a) Mean of 11 months.
(b) " 6 "
(c) " 10 "
(d) " 5 "

Table B.—Abstract of observations taken at 8 hrs. at 239 stations in India, etc., in the year 1907.

(1) Provincial means.

(2) Data of stations.

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

Division.	Pressure departure from normal 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	—·003	88·0	—0·7	70·6	+0·6	79·3	0	17·4	49·1	—0·1	84	+ 1	·746	+·005	4·8	0	81·16	78·00	+ 3·16
Eastern Bengal and Assam	—·003	84·7	—0·2	67·4	—0·4	76·2	—0·3	17·3	51·2	—0·5	87	— 1	·715	—·014	4·4	—0·5	86·19	92·53	— 6·34
Bengal	—·004	88·1	—0·3	68·5	—0·5	78·3	—0·4	19·4	61·3	—0·2	77	0	·677	—·017	3·6	—0·2	50·54	54·48	— 3·94
United Provinces of Agra and Oudh	0	89·2	+0·6	65·2	—0·5	77·2	+0·1	24·1	72·3	—0·3	65	— 4	·539	—·035	2·5	—0·6	25·77	39·48	—13·71
Punjab	+·005	88·1	—1·0	62·9	—0·2	75·6	—0·6	25·1	80·9	+0·3	62	— 1	·478	—·022	2·2	—0·5	18·92	20·85	— 1·93
North-West Frontier Province	—·005	87·0	—1·1	60·5	—0·4	73·8	—0·8	26·5	86·0	—0·9	64	0	·465	—·023	2·7	+0·1	18·51	16·35	+ 2·16
Sind	+·007	92·0	—0·1	68·0	+0·2	80·1	+0·1	24·0	73·0	—2·0	64	+ 2	·584	+·013	2·7	0	7·90	6·63	+ 1·27
Rajputana	+·008	90·8	—0·5	66·3	—0·3	78·6	—0·4	24·5	71·4	+0·7	57	+ 1	·487	+·003	2·4	—0·7	19·80	21·42	— 1·62
Bombay	+·004	89·4	+0·2	69·3	0	79·4	+0·1	20·1	52·6	—0·7	68	— 1	·630	—·013	3·4	—0·1	45·78	47·20	— 1·42
Central India	+·004	89·0	+0·3	64·9	0	76·9	+0·1	24·2	68·3	—0·8	59	— 3	·492	—·031	3·8	+0·8	28·43	38·17	— 9·74
Central Provinces	+·007	90·1	0	66·2	—1·0	78·2	—0·5	24·1	65·6	+0·4	59	— 3	·503	—·033	3·2	—0·3	37·20	42·03	— 4·83
Hyderabad	+·002	90·8	—0·1	69·1	+0·1	80·0	0	21·7	56·3	—0·9	62	— 2	·563	—·017	3·5	—0·2	27·58	32·48	— 4·90
Mysore	—·001	85·2	+0·2	64·8	+0·1	75·0	+0·2	20·3	46·6	—0·7	76	+ 1	·589	+·005	5·0	—0·2	36·23	34·56	+ 1·67
Madras	+ 001	90·5	—0·1	74·1	+0·3	82·3	+0·1	16·4	43·1	+0·7	76	0	·759	+·001	4·6	0	43·91	44·18	— 0·27

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
	I.—Burma.																				
2	Mergui	119	29·815	+·002	29·867	29·960	29·582	·378	·156	78·3	87·0	−0·6	73·1	+1·9	80·1	+0·7	13·9	95·4	59·9	35·5	23·8
	Tavoy	19	29·931	+·008	29·882	30·083	29·753	·330	·167	75·1	87·2	−0·7	71·8	+0·7	79·5	0	15·4	99·0	53·8	45·2	24·7
	Moulmein	94	29·834	+·010	29·866	30·023	29·485	·538	·192	76·0	87·4	−0·7	72·7	+0·4	80·1	−0·2	14·7	99·0	53·8	45·2	24·6
	Rangoon	36	29·872	−·008	29·845	30·069	29·651	·418	·189	76·7	88·7	−0·9	73·8	+1·0	81·2	+0·1	14·9	101·1	58·9	42·2	23·3
	Bassein	27?	29·876	+·002	29·841	30·090	29·638	·452	·190	76·4	88·1	0	72·8	+0·7	80·5	+0·4	15·3	99·2	55·4	43·8	24·1
	Diamond Island	41	29·857	−·010	29·833	30·047	29·647	·400	·181	80·4	85·0	−0·6	76·2	+1·0	80·6	+0·2	8·7	90·4	65·2	25·2	15·7
	Toungoo	183	29·720	+·003	29·847	29·928	29·500	·428	·200	75·5	89·3	−1·0	71·4	+0·7	80·4	−0·1	17·9	103·4	51·6	51·8	28·9
	Kyaukpyu	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Akyab	20	29·854	−·018	29·818	30·078	29·511	·567	·211	74·9	85·2	−1·0	72·3	+0·1	78·8	−0·5	12·9	94·9	53·1	38·8	22·0
3	Thayetmyo	121	29·776	+·007	29·840	30·010	29·516	·494	·200	77·1	92·0	+0·2	70·3	+0·7	81·2	+0·5	21·7	108·5	47·9	60·6	32·6
	Minbu	*165*	29·708	−·016	29·819	29·976	29·459	·517	·193	76·2	91·7	−0·6	71·9	+0·8	81·8	+0·1	19·8	107·1	52·1	55·0	31·2
	Yamethin	657	29·218	−·013	29·836	29·435	28·979	·456	·185	74·9	90·2	−2·0	69·5	+0·1	79·9	−1·0	20·7	102·3	50·0	52·3	30·4
	Mandalay	250	29·629	0	29·832	29·889	29·367	·522	·203	77·2	93·5	+1·1	72·2	+1·0	82·9	+1·1	21·3	108·1	51·3	56·8	32·6
	Monywa	*280*	29·621	...	29·840	29·893	29·332	·561	·212	75·8	92·2	...	71·5	...	81·8	...	20·7	107·8	53·6	54·2	31·8
	Lashio	*2,751*	27·093	−·024	27·039	27·331	26·850	·481	·200	65·4	81·2	−1·4	60·3	+0·3	70·8	−0·6	20·9	94·5	38·8	56·5	32·6
	Bhamo	*381*	29·513	+·013	29·859	29·795	29·230	·565	·230	69·1	85·0	−1·6	64·6	−0·6	74·8	−1·1	20·5	100·9	42·2	58·7	32·5
	Myitkyina	458	29·410	...	29·837	29·688	29·113	·575	·243	70·7	84·5	...	65·7	...	75·1	...	18·8	109·7	45·1	64·6	31·4
	II.—Eastern Bengal and Assam.																				
4	Dibrugarh	353	29·525	...	29·849	29·841	29·178	·663	·257	67·7	80·5	...	64·6	...	72·6	...	15·9	97·4	42·9	54·5	28·3
	Sibsagar	333	29·571	+·003	29·871	29·909	29·225	·684	·260	69·0	80·4	−1·4	65·0	−0·2	75·2	−1·1	15·5	95·6	43·2	52·4	27·2
	Tezpur	252	29·624	..	29·841	29·931	29·271	·660	·247	69·5	82·9	...	66·7	...	74·8	...	16·3	95·1	46·9	48·2	27·1
	Gauhati	195	29·689	...	29·846	29·987	29·323	·664	·243	69·8	84·3	...	65·5	...	75·0	...	18·8	96·5	45·1	51·4	28·7
	Dhubri	115	29·743	−·009	29·817	30·041	29·381	·660	·246	70·8	82·4	−0·5	67·5	−0·7	75·0	−0·6	14·9	94·2	49·8	44·4	25·2
	Silchar	104	29·782	−·006	29·842	30·037	29·388	·649	·236	72·0	85·8	−0·5	67·1	−0·4	76·5	−0·5	18·7	98·1	46·3	51·8	30·5
5	Cox's Bazar	...	...	..	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Chittagong	87	29·789	−·003	29·826	30·038	29·326	·712	·241	74·0	85·4	+0·6	68·8	−0·7	77·1	0	16·6	94·6	49·4	45·2	25·8
	Noakhali	43	29·820	...	29·810	30·074	29·344	·730	·239	74·4	83·9	...	69·0	...	76·5	...	14·9	90·3	47·9	42·4	25·2
	Barisal	12	29·846	−·001	29·804	30·115	29·237	·878	·260	76·5	86·2	+0·2	70·1	−0·3	78·2	−0·1	16·1	97·3	48·1	49·2	27·1
	Comilla	36	29·832	...	29·817	30·088	29·380	·708	·241	74·2	86·7	...	68·4	...	77·6	...	18·3	95·8	47·3	48·5	28·6
	Narayanganj	26	29·834	+·001	29·808	30·107	29·363	·744	·253	74·3	86·1	−0·3	70·0	−0·6	78·1	−0·5	16·2	96·0	49·8	46·2	26·9
	Faridpur	46	29·812	...	29·808	30·093	29·343	·750	·247	74·2	86·0	...	68·1	...	77·0	...	17·9	99·8	46·9	51·9	28·9
	Sirajganj	49	29·813	...	29·813	30·094	29·390	·704	·249	72·5	85·6	...	68·3	...	77·0	...	17·3	102·3	47·4	54·9	29·0
	Mymensingh	63	29·807	0	29·822	30·085	29·405	·680	·238	73·8	85·2	+0·9	68·5	+0·1	76·9	+0·5	16·7	98·2	49·0	49·2	27·5
	Bogra	75	29·776	−·003	29·803	30·072	29·378	·694	·239	73·2	86·5	+0·1	67·8	−0·3	77·2	−0·1	18·7	104·3	46·2	58·1	31·4
	Rampur Boalia	70	29·777	...	29·798	30·088	29·278	·810	·257	74·4	87·0	...	66·9	...	76·9	...	20·1	104·0	45·1	58·9	32·7
	Malda	72	29·760	...	29·786	30·077	29·305	·772	·251	73·0	85·5	...	66·5	...	76·0	...	19·0	104·3	44·5	59·8	32·3
	Dinajpur	123	29·723	−·002	29·805	30·035	29·346	·689	·240	71·7	85·6	−0·5	66·0	−1·2	75·8	−0·9	19·6	103·3	41·9	61·4	32·5

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

B.—*contd.*

239 stations in India, etc, in the year 1907.

Wind direction. Number of winds from: Calm.	N.	N. E.	E.	S. E.	S.	S. W.	W.	N. W.	Wind velocity: Mean velocity, 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
																									I.—Burma.
194	33	29	5	21	39	14	22	7	1·7	1·9	−0·2	87	+2	·833	+·017	3·4	−1·9	162	154·20	+7·80	156·72	168·37	−11·65	5·90	Mergui (a).
356	1	...	...	...	1	6	1	...	1·5	1·5	0	89	+2	·792	−·009	5·1	0	159	147·30	+11·70	261·91	209·28	+52·63	7·62	Tavoy.
218	17	25	13	30	27	21	9	5	2·5	3·1	−0·6	89	+2	·812	+·012	6·0	+1·1	150	140·60	+9·40	230·79	183·92	+46·87	21·52	Moulmein.
41	44	69	28	8	53	64	46	12	4·8	4·3	+0·5	86	−2	·803	−·002	5·4	+0·4	132	123·10	+8·90	100·28	96·78	+3·50	3·81	Rangoon.
105	23	33	12	21	53	50	32	35	S *5·3	4·4	+0·9	89	+1	·823	+·006	4·7	−0·2	128	128·50	−0·50	123·27	112·00	+11·27	4·22	Bassein (a).
11	39	87	28	15	7	95	21	62	8·5	8·7	−0·2	82	+3	·856	+·039	5·1	−0·3	118	120·44	−2·44	130·24	116·08	+14·16	8·41	Diamond Island.
186	9	1	4	103	32	8	...	22	2·6	3·3	−0·7	89	+3	·804	+·026	5·5	+0·3	135	113·60	+21·40	113·02	79·11	+33·91	4·04	Toungoo.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Kyaukpyu.
29	69	107	64	32	40	15	3	6	4·1	3·2	+0·9	91	+3	·804	−·001	4·7	−0·4	126	118·70	+7·30	211·25	189·20	+22·05	9·25	Akyab.
51	34	17	2	44	97	58	18	44	S 6·4	5·1	+1·3	75	−1	·710	+·002	4·3	+0·1	59	72·50	−13·50	27·98	36·72	−8·74	2·32	Thayetmyo.
30	17	1	2	127	26	41	14	107	7·2*	8·7	−1·5	75	0	·700	−·002	4·0	+0·6	50	56·50	−0·50	24·96	31·86	−6·90	1·41	Minbu.
219	36	3	1	51	30	1	...	24	3·8	5·7	−1·9	79	+1	·702	0	5·3	+2·6	61	61·20	−0·20	40·59	37·56	+3·03	3·70	Yamethin.
130	23	5	8	53	115	15	5	10	5·7	5·0	+0·7	74	−1	·699	−·011	2·1	−2·2	57	47·50	+9·50	21·34	32·36	−11·02	2·09	Mandalay (a).
82	6	1	...	32	60	39	37	108	3·0	...	...	76	...	·701	...	3·9	...	41	44·60	−3·60	21·43	28·40	−6·97	2·10	Monywa.
207	13	35	25	6	18	42	4	15	3·4	...	...	86	0	·556	−·005	5·9	−0·8	97	...	...	59·28	61·28	−2·00	4·06	Lashio.
306	2	49	1	2	...	5	...	...	1·3	2·4	−1·1	89	+2	·671	−·003	5·4	+0·3	96	99·80	−3·80	71·02	73·38	−2·36	3·29	Bhamo.
274	7	32	41	7	3	1	...	...	S 6·1	...	...	87	...	·676	...	6·5	...	92	...	...	70·25	74·84	−4·59	5·57	Myitkyina.
																									II.—Eastern Bengal and Assam.
327	1	18	15	...	1	3	...	...	0·4	...	...	93	...	·659	...	6·9	...	136	131·80	+4·20	99·21	114·99	−15·78	4·20	Dibrugarh.
118	35	62	6	2	12	50	16	64	2·1	2·4	−0·3	92	−3	·682	−·029	5·7	−1·4	133	125·00	+8·00	90·04	96·21	−6·17	3·85	Sibsagar.
213	15	60	72	2	...	1	2	...	3·3	...	...	90	...	·675	...	4·8	...	110	103·90	+6·10	66·92	71·66	−4·74	3·11	Tezpur.
168	47	53	13	24	23	18	7	12	2·5	...	...	91	...	·687	...	6·0	...	95	91·50	+3·50	71·91	63·39	+8·52	3·45	Gauhati.
26	11	47	205	19	34	13	7	3	6·8	5·2	+1·6	90	+3	·707	+·009	5·1	+0·2	104	92·50	+11·50	95·64	93·28	+2·36	7·60	Dhubri.
365	...	...	...	...	...	...	...	...	0·5	2·4	−1·9	86	−2	·705	−·022	3·9	−2·5	148	136·80	+11·20	134·81	124·86	+9·95	6·82	Silchar.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	Cox's Bazar.
13	40	90	21	151	16	12	2	20	5·2	4·9	+0·3	86	−1	·742	−·021	4·1	−0·9	92	96·42	−4·42	63·18	96·52	−33·34	5·21	Chittagong.
126	24	36	51	57	38	20	7	6	4·1	...	...	87	...	·757	...	3·4	...	118	109·36	+8·64	111·06	113·68	−2·62	7·16	Noakhali.
105	27	34	17	37	71	45	8	20	2·1	3·2	−1·1	85	−1	·795	−·006	3·0	−1·8	101	97·90	+3·10	70·25	77·60	−7·35	4·76	Barisal (a).
145	10	8	23	69	105	3	...	2	3·3	...	...	86	...	·753	...	3·0	...	98	100·25	−2·25	70·23	90·24	−20·01	4·25	Comilla.
75	7	21	65	63	47	44	7	35	3·9	4·9	−1·0	86	0	·753	−·025	5·0	−0·3	78	94·08	−16·08	61·51	69·60	−8·09	3·35	Narayanganj (a).
102	45	...	32	64	99	9	4	10	3·1	...	...	86	...	·757	...	3·5	...	91	89·40	+1·60	72·04	68·56	+3·48	5·31	Faridpur.
249	4	3	41	29	23	12	3	1	2·8	...	...	87	...	·725	...	4·4	...	79	78·66	+0·34	54·75	61·38	−6·63	3·85	Sirajganj.
120	7	17	106	72	25	8	4	6	2·2	2·7	−0·5	85	−3	·733	−·006	6·6	+1·8	95	104·22	−9·22	64·18	87·55	−233·7	2·80	Mymensingh.
236	4	39	64	6	2	10	...	4	1·9	3·0	−1·1	81	−3	·697	−·033	4·1	+0·1	65	81·84	−16·84	49·99	67·14	−17·15	4·76	Bogra.
312	3	1	3	12	12	18	3	1	3·2	...	...	81	...	·719	...	3·5	...	70	75·14	−5·14	37·31	57·62	−20·31	1·92	Rampur Boalia.
54	29	61	53	53	33	31	11	40	S 4·9	...	...	83	...	·707	...	2·8	...	66	69·20	−3·20	50·26	54·18	−3·92	6·86	Malda.
75	20	77	96	36	15	15	18	11	3·5	3·6	−0·1	86	+3	·706	+·012	4·5	+0·3	82	77·09	+4·91	64·83	70·99	−6·16	5·75	Dinajpur (b).

S-Uncorrected.

* Mean of 11 months.

(a) Wind direction of 364 days.
(b) " " 363 "

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
	II.—Eastern Bengal and Assam—*concld.*																				
5	Rangpur	123	29·742	...	29·823	30·024	29·381	·643	·240	72·4	84·6	...	67·2	...	75·9	...	17·4	97·6	44·6	53·0	28·9
	Jalpaiguri	284	29·579	—·001	29·828	29·876	29·237	·639	·236	70·2	83·6	—0·1	66·6	+0·7	75·1	+0·3	17·0	93·9	46·6	47·3	29·0
	Cooch Behar	156	29·718	...	29·834	30·031	29·364	·667	·250	70·7	83·8	...	66·5	...	75·2	...	17·3	94·4	48·6	46·3	27·7
	III.—Bengal.																				
6	Saugor Island	25	29·817	—·008	29·786	30·121	29·192	·929	·278	77·5	86·4	+0·9	73·5	—0·2	80·0	+0·4	12·9	96·9	53·4	43·5	24·2
	Midnapore	149	29·686	...	29·785	29·994	29·239	·755	·252	75·4	90·1	...	70·1	...	80·1	...	20·0	108·4	49·6	58·8	33·4
	Calcutta	21	29·824	—·007	29·791	30·133	29·135	·993	·279	75·3	87·7	+1·1	70·6	0	79·2	+0·6	17·1	103·1	48·2	54·9	29·2
	Jessore	33	29·816	—·005	29·796	30·129	29·279	·850	·261	75·2	86·7	—1·0	69·1	—0·8	77·9	—0·9	17·6	102·5	46·2	56·3	30·3
	Krishnagar	47	29·790	...	29·787	30·093	29·130	·963	·271	73·5	88·3	...	68·6	...	78·5	...	19·8	104·6	46·0	58·6	32·6
	Burdwan	99	29·741	—·011	29·791	30·049	28·863	1·186	·289	74·4	88·8	—0·2	70·2	—0·4	79·5	—0·3	18·6	104·4	50·3	54·1	30·1
	Bankura	313	29·513	...	29·782	29·828	28·748	1·080	·274	74·9	89·6	...	69·8	...	79·7	...	19·8	113·1	48·7	64·4	33·0
	Raniganj	334	29·510	...	29·806	29·826	28·791	1·035	·269	72·4	85·7	...	68·4	...	78·5	...	20·3	111·5	47·0	64·5	32·8
	Berhampore	67	29·777	—·008	29·795	30·094	29·209	·885	·263	73·7	87·9	+0·2	69·0	—0·6	78·5	—0·2	18·9	105·3	48·2	57·1	30·4
	Naya Dumka	489	29·349	...	29·807	29·660	28·651	1·009	·263	73·5	87·4	...	67·1	...	77·2	...	20·3	110·4	44·0	66·4	33·7
7	Balasore	50	29·797	—·004	29·791	30·109	29·283	·826	·266	75·7	88·7	+0·1	70·7	+0·3	79·7	+0·2	18·0	108·0	49·0	60·0	30·5
	False Point	21	29·836	+·001	29·799	30·129	29·373	·756	·253	77·0	85·7	—0·2	71·1	—1·0	78·4	—0·6	14·6	96·1	48·6	49·5	28·9
	Cuttack	80	29·773	+·003	29·798	30·087	29·344	·743	·247	76·0	90·3	—1·1	72·0	—0·5	81·2	—0·8	18·3	105·9	51·2	54·7	29·8
	Puri	24	29·840	...	29·803	30·138	29·432	·706	·245	78·2	86·3	...	74·2	..	80·3	...	12·0	96·6	54·6	42·0	21·8
	Angul	455	29·391	...	29·814	29·689	28·979	·710	·237	74·5	89·8	...	69·1	...	79·4	...	20·7	111·2	47·1	64·1	33·5
	Sambalpur	486	29·364	—·004	29·805	29·703	28·919	·784	·252	75·0	89·7	—1·3	69·1	—0·9	79·4	—1·1	20·6	111·6	46·2	65·4	33·7
8	Chaibassa	733	29·074*	+·003	29·772*	29·387	28·613	·774	·243	71·8	89·9	—0·6	67·1*	—0·9	*78·3	—0·8	*22·1	113·4	45·2	68·2	34·5
	Ranchi	2,128	27·709	+·004	29·813	27·982	27·296	·686	·228	71·0	83·8	—0·7	65·4	+0·2	74·6	—0·3	18·4	105·2	45·4	59·8	31·3
	Purulia	816	29·004	...	29·787	29·308	28·446	·862	·247	71·4	89·2	...	67·9	...	78·6	...	21·2	113·8	47·6	66·2	34·8
	Hazaribagh	1,993	27·820	—·004	29·799	28·086	27·393	·693	·222	72·8	84·1	—0·5	65·4	—0·1	74·7	—0·3	18·7	105·6	44·3	61·3	31·2
	Daltonganj	730	29·095	...	29·802	29·447	28·666	·781	·246	69·3	89·3	...	64·2	...	76·8	...	25·1	112·1	37·0	75·1	39·5
9	Purnea	123	29·722	—·002	29·806	30·050	29·341	·709	·249	70·5	86·0	—0·7	65·0	—1·3	75·5	—1·0	21·0	103·3	41·7	61·6	33·7
	Bhagalpur	160	29·683	...	29·804	30·032	29·197	·835	·254	75·4	87·2	...	67·0	...	77·2	...	20·2	108·2	43·3	64·9	33·1
	Monghyr†	155	29·618?	...	29·726?	30·021	29·279	·742	·233	78·0	89·4	...	71·6	...	80·5	...	17·8	106·9	47·9	59·0	29·3
	Darbhanga	165	29·677	0	29·802	30·012	29·316	·696	·241	71·3	86·2	+0·4	66·5	—2·1	76·4	—0·9	19·7	104·6	42·8	61·8	31·9
	Pusa	166	29·650*	...	...	29·989	29·295	·694	·241	71·5	†89·6	...	66·0	...	†79·8	...	†19·7	107·2	42·5	64·7	†32·3
	Muzaffarpur	178	29·665	...	29·805	30·006	29·294	·712	·240	73·6	86·3	...	66·5	...	76·4	...	19·8	107·3	42·0	65·8	32·5
	Motihari	224	29·613	...	29·803	29·940	29·259	·681	·241	69·4	86·7	...	65·0	...	75·9	...	21·7	105·9	39·8	66·1	34·4
	Chapra	181	29·651	...	29·791	30·006	29·278	·728	·232	†74·5	†90·8	...	†68·2	...	†79·6	...	†22·6	106·4	43·6	62·8	31·3
	Patna	183	29·652	—·009	29·792	30·011	29·295	·716	·239	74·8	87·1	—0·6	68·7	+0·2	77·9	—0·2	18·5	107·0	44·7	62·3	31·2
	Arrah	190	29·651	...	29·798	29·988	29·286	·702	·227	72·7	88·2	...	66·8	...	77·6	...	21·4	109·9	41·2	68·7	34·9
	Buxar	239	29·584	...	29·785	29·935	29·196	·729	·233	73·0	89·4	...	67·7	...	78·5	...	21·7	110·0	43·1	66·9	34·1

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

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

* Mean of 11 months.

† Mean of 9 months.

B.—*contd.*

239 stations in India, etc., in the year 1907.

Wind direction. Number of winds from: Calm.	N.	N. E.	E.	S. E.	S.	S. W.	W.	N. W.	Wind velocity. Mean velocity, 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
																									II.—Eastern Bengal and Assam—*concld.*
171	6	59	66	20	19	7	10	5	1·8	...	...	85	...	·712	...	2·9	...	75	81·61	—6·61	76·32	84·02	—7·70	4·93	Rangpur (*b*).
165	21	61	64	30	4	5	3	12	2·3	...	...	87	+1	·674	—·012	3·7	—0·1	113	99·26	+13·74	122·93	123·20	—0·27	9·08	Jalpaiguri.
190	2	31	125	17	4	6	...	...	1·7	...	...	65	...	·666	...	4·7	...	108	100·59	+7·41	191·60	128·63	+62·97	6·21	Cooch Behar.
																									III.—Bengal.
1	69	66	18	11	70	79	26	25	S 13·1	11·7	+1·4	86	0	·825	—·008	4·9	—0·8	70	81·96	—11·96	68·02	72·23	—4·21	5·47	Saugor Island.
46	107	25	8	10	111	23	6	28	3·6	...	...	74	...	·681	...	3·0	...	80	78·22	+1·78	57·37	61·26	—3·89	7·55	Midnapore (*a*).
47	23	27	37	51	39	80	11	50	S 4·8	4·4	+0·4	83	0	·769	+·001	4·4	+0·2	77	85·54	—8·54	53·64	59·55	—5·91	8·62	Calcutta.
239	13	9	13	50	33	8	2	3	1·5	3·0	—1·5	84	—2	·766	—·025	4·7	0	92	88·45	+3·55	64·02	64·02	0	5·67	Jessore.
72	32	13	29	48	66	26	29	49	* 3·0	...	—	86	...	·741	...	3·4	...	73	74·20	—1·20	47·99	55·12	—7·13	2·68	Krishnagar (*a*).
123	43	25	26	12	35	50	23	28	2·4	3·1	—0·7	80	+4	·714	+·008	4·4	—0·1	70	77·88	—7·88	44·23	57·06	—12·83	3·14	Burdwan.
224	5	14	18	15	13	23	39	14	3·0	...	...	71	...	·641	...	2·9	...	65	77·37	—12·37	54·65	56·43	—1·78	6·51	Bankura.
309	8	5	4	6	2	4	9	18	* 1·2	...	...	78	—	·663	—	3·3	...	72	72·95	—0·95	47·86	56·13	—8·27	4·15	Raniganj.
99	25	23	47	31	81	36	8	15	3·0	3·2	—0·2	82	—3	·715	—·028	4·4	—0·3	64	77·22	—13·22	36·58	55·13	—18·55	2·02	Berhampore.
196	3	4	29	21	5	4	1	2	2·0	...	...	75	...	·671	...	2·6	...	75	79·60	—4·60	46·24	58·65	—12·41	3·52	Naya Dumka.
32	71	19	7	2	30	110	13	81	3·7	4·8	—1·1	77	—6	·706	—·070	4·0	—0·9	73	81·12	—8·12	46·45	64·68	—18·23	2·63	Balasore.
28	45	13	4	3	25	107	69	71	8·4	9·3	—0·9	84	—1	·798	—·028	4·8	—0·4	67	73·74	—6·74	56·64	65·69	—9·05	4·60	False Point.
135	8	25	21	5	21	75	57	18	S 2·5	2·8	—0·3	81	+3	·750	+·011	4·4	+0·1	76	75·61	+0·39	70·29	59·70	+10·59	8·38	Cuttack
24	118	19	2	5	16	130	32	19	12·5	...	...	80	...	·804	...	3·7	...	48	62·68	—14·68	34·46	58·14	—23·68	4·07	Puri
38	20	27	14	27	11	9	71	148	6·0	...	—	77	...	·684	...	3·3	...	67	...	...	49·13	...	...	6·55	Angul.
...	24	55	49	71	25	97	31	13	4·4	3·6	+0·8	70	—1	·631	—·028	4·0	+0·1	71	72·00	—1·00	69·60	67·39	+2·21	5·74	Sambalpur.
332	6	12	8	1	9	60	32	5	(*j*) 1·8	1·8	0	77	+3	·624	—·034	2·8	—0·8	70	75·30	—5·30	49·32	51·29	—1·97	4·68	Chaibassa.
46	24	16	20	12	23	48	85	91	7·4	6·3	+1·1	64	—3	·496	—·042	3·8	+0·3	71	81·49	—10·49	62·56	55·79	+6·77	6·19	Ranchi.
35	15	29	15	18	26	30	151	43	3·5	...	...	78	...	·636	...	3·7	...	65	75·91	—10·91	57·20	52·71	+4·49	7·62	Purulia.
39	20	13	29	20	45	78	63	60	6·8	7·3	—0·5	61	—4	·499	—·022	3·7	—0·6	67	75·70	—8·70	64·47	53·40	+11·07	4·11	Hazaribagh.
336	10	12	39	22	14	20	10	2	3·3	...	...	78	...	·585	...	3·1	...	68	62·52	+5·48	68·19	44·53	+23·66	7·60	Daltonganj.
124	3	107	31	37	3	29	7	24	2·4	3·1	—0·7	88	+4	·690	+·001	3·7	+0·1	63	70·51	—7·51	54·46	64·88	—10·42	5·44	Purnea.
168	5	48	37	30	20	26	29	2	2·7	...	...	72	...	·666	...	4·1	...	65	60·81	+4·19	50·84	49·36	+1·48	5·90	Bhagalpur.
30	12	21	106	28	1	14	43	11	6·1	...	...	79	...	·784	...	3·7	...	58	...	...	47·18	...	...	6·30	Monghyr (*c*).
83	13	61	76	11	...	8	11	2	2·7	4·0	—1·3	85	+6	·686	+·005	3·1	+0·2	54	58·35	—4·35	40·08	51·07	—10·99	3·77	Darbhanga.
46	4	50	65	14	10	12	20	9	...	...	...	81	...	·663	...	3·6	...	52	...	...	39·71	...	...	7·37	Pusa (*d*).
42	1	19	84	68	1	10	19	16	3·5	...	...	78	...	·679	...	1·8	...	47	55·97	—8·97	33·38	45·63	—12·25	4·52	Muzaffarpur.
121	12	79	90	14	8	13	21	7	3·3	...	...	85	...	·649	...	4·2	...	52	55·74	—3·74	39·38	51·66	—12·28	4·97	Motihari.
80	55	13	73	24	48	9	16	4	(*i*) 1·6	...	...	†77	...	+·700	...	2·5	...	42	52·29	—10·29	38·99	40·89	—1·90	4·81	Chapra (*e*).
22	16	36	97	22	40	44	77	11	5·0	3·7	+1·3	71	—1	·645	—·008	3·3	—0·3	52	55·35	—3·35	37·41	48·04	—10·63	5·88	Patna.
112	11	45	27	44	29	55	33	9	2·2	...	...	73	...	·623	...	1·7	...	48	55·93	—7·93	35·75	46·04	—10·29	4·50	Arrah.
34	10	13	111	27	27	76	57	10	5·0	...	...	68	...	·587	...	3·1	...	41	54·74	—13·74	28·71	41·55	—12·84	2·29	Buxar.

(*i*) Mean of 5 months.
(*j*) Mean of 6 months.
* Mean of 11 months.

S-Uncorrected.

(*b*) Wind direction of 363 days.
(*c*) " " " 36 "
(*e*) " " " 26 "
(*d*) " " " 330 "
(*f*) " " " 32 "

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
	III.—Bengal— *concld.*																				
9	Dehri	351	29·474	...	29·787	29·814	29·101	·713	·239	74·2	89·5	...	69·3	...	79·4	...	20·2	113·0	45·0	68·0	33·8
	Gaya	375	29·452	—·010	29·790	29·792	29·051	·741	·230	73·8	89·0	—1·0	68·0	—0·8	78·5	—0·9	21·0	111·0	43·7	67·3	35·0
	IV.—United Provinces of Agra and Oudh.																				
10	Gorakhpur	257	29·568	0	29·790	29·888	29·199	·689	·240	73·0	88·2	+0·2	65·8	—1·6	77·0	—0·8	22·4	109·6	40·5	69·1	35·3
	Benares	267	29·657	—·007	29·785	29·910	29·145	·765	·237	74·3	89·6	0	65·6	—1·3	77·6	—0·6	24·0	110·6	37·1	73·5	38·9
	Allahabad	309	29·510	—·012	29·781	29·863	29·090	·773	·239	74·2	91·5	+1·3	66·5	—0·3	79·0	+0·5	25·0	112·1	38·5	73·6	39·8
	Cawnpore	416	29·409	—·005	29·795	29·761	28·981	·780	·250	72·7	91·2	+1·2	65·7	—0·7	78·5	+0·3	25·4	111·4	35·7	75·7	39·1
	Lucknow	368	29·454	+·005	29·798	29·822	29·016	·806	·255	72·2	91·2	+1·5	65·4	—0·2	78·3	+0·6	25·8	111·0	35·6	75·4	39·6
	Bahraich	401	29·413	—·005	29·784	29·761	29·009	·752	·253	72·4	89·7	*+1·3	65·8	+0·1	77·8	*+0·6	23·9	110·2	39·0	71·2	38·4
11	Jhansi	835	29·013	—·007	29·821	29·360	28·615	·745	·253	76·2	92·3	+0·9	70·2	+1·2	81·3	+1·1	22·1	111·3	46·1	65·2	34·9
	Agra	556	29·276	*+·001	29·836	29·633	28·866	·767	·267	73·1	9 ·0	*—0·9	67·5	—0·2	78·8	*—0·6	22·5	112·0	42·0	70·0	35·8
	Mainpuri	516	29·309	*+·011?	29·796	29·659	28·890	·769	·264	72·3	91·5	*+1·2	65·6	*+0·6	78·5	†+0·8	25·9	113·7	36·3	77·4	40·4
	Bareilly	568	29·238	—·006	29·787	29·616	28·826	·790	·262	70·4	88·2	+0·7	64·2	—0·5	76·2	+0·1	24·1	109·3	37·0	72·3	37·6
	Meerut	738	29·073	0	29·798	29·415	28·667	·748	·273	69·9	88·2	+0·4	63·0	—0·8	75·6	—0·2	25·2	109·1	35·3	73·8	39·4
	Roorkee	899	28·915	+·006	29·809	29·243	28·502	·741	·263	68·5	86·1	—1·1	61·5	—1·1	73·8	—1·1	24·6	111·0	33·4	77·6	39·1
	Dehra Dun	2,233	27·591	—·005	29·821	27·875	27·236	·639	·246	66·1	82·1	+1·0	60·2	—0·8	71·2	+0·1	21·9	103·5	38·5	65·0	34·2
	V.—Punjab.																				
12	Delhi	718	29·110	+·012	29·810	29·453	28·700	·753	·269	72·1	89·3	+0·3	67·8	+0·3	78·6	+0·4	21·6	112·2	40·7	71·5	35·8
	Sirsa	662	29·158	+·008	29·804	29·530	28·707	·823	·307	70·8	90·0	—1·9	63·8	—0·2	76·9	—1·1	26·2	113·3	34·1	79·2	42·6
	Patiala	818	28·990	...	29·798	29·330	28·565	·765	·276	70·2	86·6	...	62·8	...	74·8	...	23·8	111·2	31·8	79·4	39·3
	Ambala	892	28·911	+·003	29·797	29·245	28·492	·753	·269	68·6	86·9	—1·0	61·6	—1·5	74·3	—1·3	25·3	112·0	32·0	80·0	40·3
	Ludhiana	812	29·001	*+·007	29·806	29·348	28·557	·791	·292	69·3	85·6	*—2·9	*62·5	*+0·1	*73·8	†—1·6	*22·6	113·5	35·0	78·5	37·1
	Lahore	702	29·098	—·004	29·794	29·483	28·620	·863	·318	68·5	89·1	—1·6	62·6	*+1·6	75·9	*+0·1	26·5	114·9	33·2	81·7	43·5
	Sialkot	830	29·477	+·007	29·804	29·339	28·480	·859	·313	69·3	86·7	—1·0	61·3	—1·3	74·1	—1·2	25·4	114·9	30·1	84·8	42·4
	Rawalpindi	1,674	28·138	—·007	29·835	28·466	27·686	·780	·321	65·6	83·7	—0·6	57·6	0	70·7	—0·3	26·1	113·5	28·6	84·9	43·3
13	Khushab	612	29·211	+·020?	29·811	29·603	28·697	·906	·342	71·7	89·3	—0·2	63·2	—0·5	76·3	—0·4	26·2	116·8	30·4	86·4	44·9
	Montgomery	558	29·260	+·019?	29·800	29·663	28·760	·903	·342	72·7	91·0	—1·3	63·2	—0·9	77·1	—1·1	27·8	116·8	32·1	84·7	46·1
	Multan	420	29·390	—·004	29·787	29·813	28·871	·942	·348	72·6	91·1	—0·8	66·0	+0·7	78·6	0	25·1	116·5	38·0	78·5	42·4
	VI.—North-West Frontier Province.																				
15	Peshawar	1,110	28·724	—·009	29·853	29·090	28·219	·871	·341	66·0	84·1	—1·6	59·0	—0·3	71·6	—0·9	25·1	115·2	28·4	86·8	42·8
	Dera Ismail Khan	590	29·240	—·001	29·795	29·640	28·670	·970	·363	69·4	89·8	—0·6	61·9	—0·5	75·9	—0·6	27·9	117·2	32·1	85·1	46·2
	VII.—Sind.																				
17	Jacobabad	186	29·639	+·008	29·792	30·085	29·150	·935	·323	78·0	94·9	—0·7	65·6	+0·3	80·3	—0·2	29·4	120·6	37·5	83·1	46·7
	Hyderabad	96	29·747	+·005	29·799	30·155	29·298	·857	·287	74·4	93·3	—0·2	68·2	—0·1	80·8	—0·3	25·1	113·2	42·0	71·2	41·9
	Kurrachee	30	29·844	+·006	29·826	30·215	29·420	·795	·264	75·0	87·8	+0·5	70·3	+0·5	79·1	+0·5	17·5	110·9	46·2	64·7	32·4

N. B.—Elevations in italics indicate barometrical determinations.
Note.—The barometric readings are not reduced to sea-level, in the cases of hill or plateau stations, the elevations of which exceed 3,200 feet.
* Mean of 11 months.
† " " 10 "

B—*contd.*

239 stations in India, etc., in the year 1907.

Wind direction. Number of winds from: Calm.	N.	N. E.	E.	S. E.	S.	S. W.	W.	N. W.	Wind velocity. Mean velocity, 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—*contd.*
32	6	14	49	12	60	134	46	12	4·5	...	...	66	...	·593	...	4·6	...	50	55·34	−5·34	44·74	43·20	+1·54	5·64	Dehri.
112	13	42	24	22	52	31	66	3	3·5	3·7	−0·2	73	+2	·640	+·003	3·4	−0·3	61	57·38	+3·62	59·64	47·00	+12·64	6·24	Gaya.
																									IV.—United Provinces of Agra and Oudh.
177	9	53	41	25	7	11	25	17	S 1·5	2·3	−0·8	71	−4	·613	−·029	2·8	+0·1	41	54·10	−13·10	25·58	52·01	−26·43	2·79	Gorakhpur.
127	7	17	54	23	9	54	51	23	3·0	2·7	+0·3	68	−6	·609	−·016	2·9	−0·5	50	50·90	−0·90	33·01	41·99	−2·98	2·87	Benares.
81	7	21	48	15	10	33	119	31	3·6	5·1	−1·5	60	−7	·523	−·071	3·1	−0·4	41	45·30	−4·30	27·16	40·71	−13·55	3·92	Allahabad.
172	13	7	28	22	6	26	66	25	S 1·5	3·7	−2·2	64	−3	·535	−·053	1·4	−1·5	33	43·00	−10·00	24·98	35·94	−10·96	3·17	Cawnpore.
194	7	22	35	28	7	21	34	17	2·1	3·0	−0·9	64	−6	·537	−·055	2·2	−1·1	30	51·00	−21·00	16·70	38·89	−22·19	2·36	Lucknow.
138	10	9	70	53	8	10	22	45	2·9	3·1	−0·2	69	−6	·582	−·059	2·7	−0·1	36	50·40	−14·40	18·47	48·91	−30·44	1·96	Bahraich.
143	16	12	13	11	10	59	70	31	4·8	3·3	+1·5	*66	+11?	*·628	+·115?	2·1	−0·3	39	43·90	−4·90	24·71	38·51	−13·80	2·90	Jhansi.
100	...	21	...	57	...	149	...	38	4·7	4·5	+0·2	57	−4	·481	−·052	2·5	−0·3	32	35·30	−3·30	24·19	28·42	−4·23	4·30	Agra.
108	15	20	28	25	14	35	56	64	2·4	1·8	+0·6	62	−4	·519	−·035	2·6	−0·7	27	38·10	−11·10	15·09	31·76	−16·67	1·96	Mainpuri.
243	16	11	36	5	8	7	26	13	2·0	2·8	−0·8	69	−3	·533	−·040	2·7	−0·3	33	47·17	−14·17	26·63	47·86	−21·23	4·40	Bareilly.
326	6	8	20	11	1	16	65	12	1·5	2·1	−0·6	65	−1	·501	−·006	2·1	−0·9	31	37·00	−6·00	11·90	32·07	−20·17	1·84	Meerut.
223	2	9	2	72	1	2	7	47	2·7	2·5	+0·2	68	−3	·492	−·031	1·8	−1·3	34	49·10	−15·10	25·43	43·22	−17·79	3·81	Roorkee.
361	...	1	...	...	...	...	...	...	S 1·6	1·5	+0·1	67	−3	·453	−·025	3·3	−0·7	62	80·90	−18·90	45·30	89·19	−43·89	2·94	Dehra Dun. (c)
																									V.—Punjab.
33	19	15	25	42	12	24	144	51	4·5	3·5	+1·0	62	+4	·501	+·011	2·8	−0·6	24	37·10	−13·10	12·24	28·09	−15·85	1·88	Delhi.
105	16	26	37	32	21	48	52	28	4·2	4·8	−0·6	62	+3	·486	−·001	2·0	−1·3	30	23·40	+6·60	15·01	14·43	+0·58	2·02	Sirsa.
38	53	15	45	68	16	6	55	69	5·2	...	...	67	...	·522	...	2·2	...	40	...	...	30·85	...	...	3·15	Patiala.
175	1	3	18	64	...	...	21	83	2·7	2·0	+0·7	68	−6	·499	−·058	2·4	−0·3	33	36·90	−3·90	26·80	32·92	−6·12	3·25	Ambala.
194	15	43	4	69	1	26	19	84	2·2	1·9	+0·3	66	0	·493	−·023	2·0	−1·6	43	32·70	+10·30	36·07	28·67	+7·40	6·03	Ludhiana.
158	25	16	26	41	16	4	51	28	2·6	2·4	+0·2	68	+3	·495	−·008	2·5	−0·2	28	22·90	+5·10	15·05	20·10	−5·05	1·54	Lahore.
133	34	54	71	25	11	4	8	25	2·0	2·0	0	65	−1	·488	−·022	1·9	−0·6	36	40·70	−4·70	27·53	31·75	−4·22	3·85	Sialkot.
255	9	37	14	12	7	10	5	16	2·8	2·1	+0·7	63	−5	·417	−·043	3·3	+0·1	50	47·30	+2·70	30·52	33·98	−3·46	2·31	Rawalpindi.
131	25	96	38	11	17	18	16	13	4·8	5·0	−0·2	55	0	·450	+·002	1·9	−0·3	25	18·00	+7·00	12·00	14·12	−2·12	2·40	Khushab.
74	23	52	40	48	38	54	21	15	6·5	5·9	+0·6	50	−5	·416	−·059	2·0	−0·2	23	16·10	+6·90	14·41	10·25	+4·16	4·65	Montgomery.
142	37	55	7	44	10	59	1	10	2·3	2·1	+0·2	58	−2	·491	−·024	1·5	−0·2	8	12·40	−4·40	7·96	7·30	+0·66	2·00	Multan.
																									VI.—North-West Frontier Province.
251	26	7	7	2	14	12	23	23	1·5	3·3	−1·8	63	0	·426	−·029	3·1	+0·1	31	23·80	+7·20	12·81	13·09	−0·28	1·49	Peshawar.
185	18	74	6	33	4	10	1	34	G-1·8	1·8	0	64	0	·503	−·013	2·2	+0·2	20	17·60	+2·40	9·16	8·51	+0·65	1·24	Dera Ismail Khan.
																									VII.—Sind.
98	20	24	7	76	66	11	3	60	4·0	3·4	+0·6	61	+6	·554	+·046	1·8	−0·2	12	8·20	+3·80	4·44	3·78	+0·66	1·74	Jacobabad.
50	56	14	3	8	39	130	20	45	7·3	11·1	−3·8	60	+2	·545	+·016	2·0	−0·7	16	9·70	+6·30	6·60	6·90	−0·30	1·36	Hyderabad.
14	43	88	7	2	...	16	132	63	9·8	12·6	−2·8	70	−3	·653	−·025	4·3	+0·7	10	9·30	+0·70	7·75	8·26	−0·51	1·90	Kurrachee.

S.=Uncorrected.
G=Mean of 8 months.

(c) Wind direction of 363 days.

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
	VIII.—Rajputana.																				
18	Bikaner	771	29·047	+·002	29·803	29·429	28·646	·783	·294	73·1	91·2	−0·8	68·3	−1·3	79·8	−1·1	22·9	114·0	42·0	72·0	39·3
	Jodhpur	782	29·074	...	29·853	29·415	28·666	·749	·260	73·3	91·8	...	67·6	...	79·7	...	24·2	111·2	41·1	70·1	39·6
	Pachpadra	380	29·459	+·001	29·809	29·843	29·082	·761	·243	71·8	92·7	−2·5*?	63·8	−1·0	78·2	−1·9*?	28·9	112·3	34·2	78·1	45·1
19	Jaipur	1,431	28·423	+·007	29·840	28·737	28·061	·676	·250	73·4	90·7	−0·2	65·4	−0·2	78·1	−0·2	25·3	111·7	39·1	72·6	40·3
	Sambhar	1,254	28·591	+·012	29·838	28·916	28·228	·688	·261	71·1	90·3	+0·2	64·9	−0·3	77·6	0	25·4	112·5	36·5	76·0	40·2
	Ajmer	1,611	28·258	+·011	29·863	28·573	27·888	·685	·253	70·7	89·0	+0·1	67·0	†+2·8?	75·0	†+1·2?	22·0	109·4	41·7	67·7	36·0
	Kotah	819?	29·011	...	29·843	29·345	28·606	·739	·259	75·6	92·3	...	69·6	...	81·0	...	22·7	111·6	44·6	67·0	35·7
	Udaipur	1,925	27·954	...	29·860	28·264	27·577	·687	·235	72·0	88·6	...	63·7	...	76·1	...	24·9	106·0	38·2	67·8	38·9
	IX.—Bombay.																				
20	Deesa	466	29·405	+·005	29·836	29·700	29·027	·673	·221	74·1	94·3	+0·5	65·7	−1·3	80·1	−0·4	28·6	113·8	36·4	77·4	43·0
	Bhuj	395	29·488	+·017	29·841	29·774	29·096	·678	·230	75·1	90·8	−0·6	66·4	−0·4	79·6	−0·5	22·5	107·6	47·0	60·6	34·9
	Jamnagar	61	29·823	...	29·829	30,107	29·421	·686	·223	75·5	88·6	...	68·1	...	78·3	...	20·5	103·9	46·3	57·6	32·2
	Dwarka	37?	29·859	...	29·842	30·136	29·414	·722	·225	77·7	84·4	...	72·8	...	78·7	...	11·6	100·3	54·7	45·6	23·2
	Rajkot	429	29·464	+·016	29·851	29·727	29·078	·649	·201	75·7	93·1	0	66·1	0	79·6	0	27·0	107·4	45·0	62·4	39·1
	Veraval	*18*	29·876	+·006	29·836	30·111	29·451	·660	·187	76·5	84·7	−0·5	71·5	+0·6	78·1	+0·1	13·2	99·2	53·3	45·9	27·7
	Bhavnagar Para	55	29·846	‡−·011	29·845	30·105	29·463	·642	·193	76·0	94·3	+1·2*	68·6	−1·0‡?	81·5	0‡?	25·7	111·2	46·5	64·7	38·1
	Surat	39	29·855	0	29·840	30·088	29·472	·616	·182	76·4	91·8	+0·2	70·7	+1·3	81·2	+0·8	21·1	107·1	51·6	55·5	34·1
	Ahmedabad	163	29·705*	+·005*	29·819*	30·006	29·331	·675	·202	76·5	94·3	+0·3	70·3	−0·6	82·3	−0·2	24·0	111·1	47·7	63·4	36·0
26	Bombay	37	29·870	−·004	29·847	30·054	29·545	·509	·164	78·3	86·8	+1·0	75·6	+0·7	81·2	+0·9	11·2	93·5	63·5	30·0	18·1
	Ratnagiri	110	29·797	+·003	29·847	29·953	29·516	·437	·144	78·8	87·5	0	73·6	+0·5	80·5	+0·3	13·9	99·8	60·4	39·4	23·9
	Goa	199	29·706	−·010§	29·845	29·862	29·448	·414	·147	78·7	85·4	−0·7	74·8	+0·4	80·1	−0·2	10·5	93·0	63·0	30·0	17·9
	Mormugao	60	29·862	+·002	29·857	30·020	29·594	·426	·147	78·5	85·7	−0·5	75·3	+0·3	80·6	−0·1	10·4	94·0	65·3	28·7	18·2
	Karwar	44	29·871	−·008	29·849	30·012	29·614	·398	·141	76·2	86·6	+0·4	73·2	+0·6	79·9	+0·5	13·3	92·8	61·5	31·3	19·8
27	Malegaon	1,430	28·470	+·013	29·874	28·694	28·127	·567	·182	74·2	92·9	+1·3	64·7	−0·5	78·8	+0·4	28·2	108·3	40·6	67·7	41·1
	Ahmednagar	2,154	27·768	+·016*	29·885	27·965	27·437	·528	·169	73·6	90·0	+1·2	63·7	+0·2	76·9	+0·7	26·3	105·9	43·0	62·9	40·3
	Poona	1,846	28·065	+·002	29·887	28·267	27·768	·499	·163	71·6	89·2	−0·2	63·2	−1·7?	76·2	−1·0?	26·0	105·0	42·3	62·7	38·3
	Sholapur	1,590	28·307	−·003	29·861	28·507	27·990	·517	·164	75·9	92·9	−0·1	68·4	+0·4	80·7	+0·2	24·5	107·2	48·9	58·3	36·3
	Bijapur	*1,948*	27·958	+·003	29·864	28·152	27·671	·481	·158	74·8	90·7	+0·8	67·6	+0·1	79·2	+0·5	23·1	103·2	48·2	55·0	34·3
	Belgaum	2,539	27·375	+·002	29·865	27·527	27·134	·393	·142	71·5	84·6	+0·1	63·8	−0·2	74·2	−0·1	20·8	99·3	46·0	53·3	32·0
	X.—Central India.																				
21	Neemuch	1,624	28·254	+·008	29·855	28·527	27·856	·671	·227	72·6	88·8	−0·2	64·4	−0·2	76·6	−0·2	24·5	107·0	39·8	67·2	37·7
	Indore	1,823	28·085*?	+·033‖?	29·887*?	28·321	27·698	·623	·197	73·0	88·4	+0·4	63·7	0	76·1	+0·1	24·7	104·6	41·1	63·5	36·9
22	Nowgong	754	29·068*	*+·002	*29·797	29·425	28·676	·749	*·227	71·8	89·3	−0·4	65·1	*−0·6	77·2	*−0·6	24·1	110·0	37·5	72·5	38·4
	Sutna	1,040	28·785	−·005	29·808	29·103	28·401	·702	·237	72·9	89·4	+1·3	66·	+0·5	77·8	+0·9	23·3	110·1	40·2	69·9	37·0
	XI.—Central Provinces.																				
23	Buldana	2·132	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Akola	930	28·948	+·006	29·846	29·228	28·568	·660	·196	75·3	93·4	+0·5	67·2	+0·1	80·3	+0·3	26·2	112·8	44·6	68·2	39·4
	Amraoti	1,215	28·664	*+·016	29·845	28·935	28·278	·657	·195	76·0	92·2	+0·2	68·8	−0·1	80·5	0	23·4	110·4	49·8	60·6	36·4

N.B.—Elevations in italics indicate barometrical determinations.
NOTE.—The barometric readings are not reduced to sea-level, in the cases of hill or plateau stations, the elevations of which exceed 2,200 feet.

*Mean of 11 months
‡ " 8 "
§ " 5 "
† " 9 "
‖ " 7 "

B—*contd.*

239 stations in India, etc., in the year 1907.

Wind direction. Number of winds from									Wind velocity.			Hygrometry, 8 hrs.				Cloud.		Rainfall.							
Calm.	N.	N. E.	E.	S. E.	S.	S. W.	W.	N. W.	Mean velocity, miles per hour.	Normal.	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.	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.
14	7	11	33	60	62	95	67	16	7·2	5·9	+1·3	60	+7	·547	+·048	2·1	−0·5	15	18·80	−3·80	19·50	11·29	+8·21	4·04	Bikaner.
49	33	69	21	11	31	105	39	17	4·9	...	...	49	...	·443	...	3·3	...	24	20·30	+3·70	12·09	13·14	−1·05	1·50	Jodhpur.
39	17	27	43	26	67	90	40	16	8·7*	7·0	+1·7	65	+ 3	·550	0	0·8	−2·6	19	19·10	−0·10	20·25	13·30	+6·95	3·68	Pachpadra.
51	44	55	49	17	6	11	54	78	4·9S	4·4	+0·5	51	− 7	·441	−·053	2·7	−0·5	31	37·80	−6·80	18·47	26·05	−7·58	3·43	Jaipur.
156	23	16	23	6	10	6	86	39	5·4S	6·4	−1·0	60	+ 3	·494	+·014	2·4	−0·5	33	31·30	+1·70	19·03	20·74	−1·71	2·44	Sambhar.
134	3	19	2	12	6	33	99	47	5·9	5·0	+0·9	62	− 1	·497	−·005	3·1	+0·4	29	32·60	−3·60	14·38	21·80	−7·42	2·75	Ajmer.
158	10	11	3	12	2	69	30	70	2·8	...	...	49	...	·444	...	2·2	...	25	37·60	−12·60	17·62	29·92	−12·30	2·32	Kotah.
177	20	7	2	5	13	40	72	26	4·4	...	...	58	...	·476	...	2·4	...	28	34·10	−6·10	18·22	...	...	2·05	Udaipur (*c*).
																									IX.—Bombay.
14	19	78	60	16	33	90	35	20	9·7S	10·2	−0·5	58	+ 2	·527	+·003	3·3	−0·1	37	28·81	+8·19	54·66	24·12	+30·54	12·05	Deesa.
44	16	8	12	14	6	74	92	72	10·4	11·1	−0·7	76	+12?	·689	+·078	3·3	+0·4	22	16·10	+5·90	15·73	14·52	+1·21	3·62	Bhuj.
86	5	7	29	25	12	104	62	35	11·0	...	...	68	...	·630	...	0·6	...	26	...	...	21·38	...	...	3·32	Jamnagar.
21	51	34	13	4	16	101	67	58	13·7S	...	...	77	...	·759	...	3·3	...	20	...	...	18·35	...	...	3·71	Dwarka.
56	16	28	13	22	12	115	39	64	7·7	9·1	−1·4	63	− 4	·585	−·039	3·0	0	26	30·90	−4·90	19·21	28·13	−8·92	2·00	Rajkot.
44	83	53	5	6	7	34	84	49	11·7	8·4	+3·3	71	+ 1	·676	+·010	2·7	−1·2	24	29·20	−5·20	17·51	18·24	−0·73	3·55	Veraval.
34	19	11	3	7	9	115	26	141	7·1	10·1	−3·0	65	− 4	·625	−·034	3·3	0	27	34·70	−7·70	14·45	19·76	−5·31	2·52	Bhavnagar Para.
36	81	34	51	15	42	50	47	9	5·6	7·6	−2·0	72	+ 1	·683	+·003?	3·2	−0·2	42	47·40	−5·40	38·88	44·03	−5·15	6·03	Surat.
14	37	84	28	8	12	79	36	66	5·7	5·0	+0·7	57	− 3	·546	−·036	4·0	+0·4	38	37·21	+0·79	33·31	33·24	+0·07	5·00	Ahmedabad (*a*).
...	49	77	72	25	15	33	63	31	10·1S	11·8	−1·7	77	− 1	·764	−·007	4·0	−0·2	63	75·60	−12·60	100·78	75·21	+25·57	10·02	Bombay.
60	44	53	93	38	6	34	26	11	10·1	8·5	+1·6	73	+ 1	·720	−·007	3·8	−0·1	79	93·80	−14·80	80·69	107·35	−26·66	5·25	Ratnagiri.
14	33	64	94	15	28	36	38	42	9·0Sd	6·5	+2·5	78	0	·771	−·007	5·0	+0·8	94	...	...	94·16	98·43	−4·27	5·18	Goa (*a*).
62	60	24	75	31	12	8	26	67	9·1S	9·2	−0·1	83	0	·816	+·001	4·9	+1·1	95	...	...	86·64	93·43	−6·79	4·90	Mormugao.
133	71	78	2	...	...	55	34	2	2·7S	4·2	−1·5	88	+ 5	·806	+·062	4·4	+0·6	93	105·50	−12·50	101·57	123·78	−22·21	6·40	Karwar.
121	9	6	5	3	7	34	118	62	8·9	8·9	0	51	−12?	·462	−·103?	1·9	−1·6	31	34·90	−3·90	23·41	24·08	−0·67	3·67	Malegaon.
91	37	5	1	19	17	40	18	137	8·0	11·4	−3·4	51	−16?	·432	−·132?	2·7	−0·6	34	39·60	−5·60	19·45	22·42	−2·97	2·68	Ahmednagar.
218	1	3	11	5	2	13	97	14	8·6S	10·5	−1·9	61	− 2	·493	−·014	2·8	−1·1	58	49·60	+8·40	42·60	27·89	+14·71	4·20	Poona.
27	23	43	32	66	4	47	30	93	10·5	9·8	+0·7	57	+ 2	·516	+·013	3·6	−0·4	34	42·00	−8·00	25·83	30·98	−5·15	6·31	Sholapur.
2	31	40	31	50	16	70	59	66	8·2	6·4	+1·8	66	− 4	·571	−·033?	4·0	+0·1	34	42·40	−8·40	15·07	24·58	−9·51	1·70	Bijapur.
222	2	11	22	10	2	35	54	6	9·0S	15·1	−6·1	70	0	·536	−·001	4·3	0	82	83·30	−1·30	57·71	50·13	+7·58	3·85	Belgaum.
																									X.—Central India.
40	73	50	23	4	9	69	76	21	7·6	8·7	−1·1	53	− 5	·435	−·067	3·2	+0·6	23	37·40	−14·40	20·38	30·08	−9·70	2·48	Neemuch.
85	29	38	33	12	6	23	95	44	4·9	4·1	+0·8	58	− 5	·490	−·033	3·7	+0·3	36	45·30	−9·30	27·97	33·64	−5·67	3·07	Indore.
68	32	7	23	14	34	39	125	23	2·8	2·6	+0·2	63	− 3	·514	−·031	3·5	+0·3	35	50·70	−15·70	31·47	44·96	−13·49	5·93	Nowgong.
111	1	5	22	11	5	59	99	52	3·1	6·0	−2·9	63	+ 2	·530	+·018	4·9	+2·0	47	54·60	−7·60	35·85	45·88	−10·03	4·39	Satna.
																									XI.—Central Provinces.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Buldana.
76	3	19	40	30	7	40	83	67	6·0	6·0	0	57	− 1	·517	+·004	3·6	+0·2	42	45·10	−3·10	22·60	34·16	−11·56	2·41	Akola.
37	23	56	53	8	14	63	78	33	6·1	5·7	+0·4	59	0	·542	+·005	3·1	−0·4	50	46·80	+3·20	31·31	34·63	−3·32	3·39	Amraoti.

d Mean of 6 months.
S Uncorrected.

(*a*) Wind Observations of 364 days.
(*c*) " " " 362 "

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
	XI.—Central Provinces— *concld.*																				
24	Khandwa	1,044	28·829	+·006	29·851	29·080	28·459	·621	·195	73·1	92·9	+0·9	66·9	0	79·9	+0·4	26·1	110·7	43·1	67·6	40·1
	Hoshangabad	1,006	28·864	+·003	29·853	29·161	28·470	·691	·208	72·0	90·1	−0·3	64·9	−2·1	77·5	−1·2	25·2	108·7	43·3	65·4	38·3
	Saugor	1,807	28·047	+·004	29·829	28·330	27·664	·666	·224	73·4	88·1	+0·1	68·2	+0·6	78·7	+0·3	21·1	107·6	47·0	60·6	34·1
	Jubbulpore	1,327	28·523	+·007	29·838	28·827	28·136	·691	·238	70·3	88·6	+0·2	63·3	−1·2	76·0	−0·5	25·4	107·5	36·3	71·2	38·8
	Seoni	2,033	27·844	+·007	29·849	28·095	27·462	·633	·207	72·5	88·3	+0·5	63·3	−1·6	75·9	−0·5	25·0	106·9	42·0	64·9	38·5
	Nagpur	1,017	28·847	+·011	29·835	29·127	28·458	·669	·214	74·6	91·9	−0·2	67·3	−1·6	79·6	−0·9	24·6	111·1	46·1	65·0	38·3
25	Pendra	2,123?	27·812	...	29·817	28·089	27·424	·665	·222	71·8	85·1	...	64·4	...	74·7	...	20·8	105·3	42·2	63·1	33·3
	Raipur	970	28·879	+·007	29·818	29·166	28·443	·723	·233	72·9	89·2	−1·3	65·7	−3·5?	77·5	−2·3?	23·5	111·8	43·9	67·9	36·2
	Chanda	*634*	29·229	0	29·818	29·520	28·853	·667	·197	75·9	91·8	−1·0	67·8	−0·8	79·8	−0·9	24·1	112·0	44·5	67·5	37·8
	XII.—Hyderabad.																				
28	Aurangabad	1,905	28·014	...	29·881	29·235	27·694	·541	·152	75·5	90·8	...	65·3	...	78·0	...	25·5	106·2	42·7	63·5	38·8
	Nizamabad	1,260	28·631	...	29·854	28·888	28·278	·610	·178	77·1	91·7	...	68·7	...	80·3	...	23·1	108·9	47·2	61·7	35·5
	Bidar	*2,165*	27·758	...	29·875	27·970	27·382	·588	·200	75·8	88·1	...	69·3	...	78·7	...	18·7	103·3	55·3	48·0	28·8
29	Gulbarga	1,503	28·392	−·004?	29·858	28·578	28·070	·508	·166	75·8	92·4	+0·1	68·5	−0·2	80·5	−0·1	23·9	107·0	46·8	60·2	35·8
	Raichur	*1,311*	28·584	+·004	29·853	28·777	28·295	·482	·158	77·6	92·2	+0·1	71·3	−0·4	81·7	−0·1	20·9	106·0	55·1	50·9	31·4
	Hyderabad (Deccan).	1,690	28·201	+·003	29·858	28·403	27·870	·533	·179	74·0	90·0	−0·6	69·2	+0·7	79·7	+0·1	20·8	105·3	51·2	54·1	31·9
	Hanumakonda	871	28·997	...	29·823	29·248	28·647	·601	·195	77·1	90·7	...	71·7	...	81·2	...	19·0	109·7	53·7	56·0	30·9
	XIII.—Mysore.																				
30	Chitaldroog	2,405	27·522	−·002	29·872	27·661	27·291	·370	·141	73·6	86·6	+0·1	67·4	+0·3	77·0	+0·2	19·2	97·7	54·9	42·8	29·9
	Hassan	3,149	26·988	+·005	29·909	27·008	26·671	·337	·133	70·0	83·4	+0·7	62·1	0	72·8	+0·4	21·3	94·3	44·2	50·1	33·0
	Bangalore	3,021	26·942	−·006	29·894	27·071	26·716	·355	·136	70·2	84·6	+0·4	63·9	−0·1	74·3	+0·2	20·7	96·8	48·8	48·0	30·8
	Mysore	2,616	27·438	0	29·905	27·563	27·229	·334	·135	72·2	86·0	−0·4	65·9	+0·2	76·0	−0·1	20·1	97·5	52·0	45·5	29·5
	XIV.—Madras.																				
31	Mangalore	65	29·869	−·003	29·867	30·005	29·642	·363	·143	79·4	86·1	−1·0	74·6	+0·4	80·3	−0·3	11·5	93·2	64·9	28·3	19·0
	Calicut	27	29·910	−·001	29·866	30·026	29·720	·306	·138	78·5	86·6	−0·4	74·5	+0·4	80·6	0	12·0	92·8	64·6	28·2	18·8
	Cochin	9	29·931	+·001	29·869	30·025	29·769	·256	·120	78·9	88·0	+0·5	74·8	0	81·4	+0·3	13·2	93·8	67·7	26·1	19·1
	Trivandrum	198	29·736	+·008	29·867	29·835	29·576	·259	·129	77·6	83·7	−0·3	75·0	+0·8	79·4	+0·2	8·7	89·5	66·0	23·5	14·0
32	Tinnevelly	168	29·761	+·008	29·860	29·934	29·557	·377	·146	81·9	93·8	−0·4	75·7	−0·9	84·8	−0·7	18·1	105·3	64·9	40·4	27·7
	Pamban	37	29·877	−·002	29·841	30·046	29·681	·365	·142	81·4	88·0	+0·9	78·0	+0·7	83·0	+0·8	10·0	95·3	68·2	27·1	17·0
	Madura	417	29·478	+·013?	29·864	29·647	29·262	·385	·147	80·2	93·3	−0·7	74·1	+0·2	83·7	−0·3	19·2	103·5	60·2	43·3	29·4
	Periyakulam I	944	...	...	...	...	...	...	...	77·6	92·4	...	70·1	...	80·0	...	22·3	99·4	51·6	47·8	33·5
	Padukkottai	318	29·604	...	29·856	29·777	29·393	·384	·144	79·7	93·6	...	73·9	...	83·8	...	19·7	104·8	60·6	44·2	29·6
	Nexapatam	31	29·872	−·009	29·832	30·057	29·659	·398	·145	81·0	91·6	+1·0	76·4	+0·9	84·2	+1·0	15·2	105·4	65·5	39·9	25·2
	Trichinopoly	255	29·666	+·002	29·855	29·847	29·446	·401	·148	80·5	94·1	−0·3	74·4	+0·3	84·2	0	19·7	106·7	59·9	46·8	30·1
	Coimbatore	1,348	28·573	−·003	29·882	28·725	28·319	·406	·143	74·5	89·2	−1·1	69·6	0	79·4	−0·6	19·5	99·4	55·7	43·7	29·4
	Salem	940	28·999	−·007	29·887	29·162	28·777	·385	·141	79·1	93·7	+0·7	71·8	+1·1	82·8	+1·0	21·9	104·2	52·3	51·9	33·9
	Cuddalore	37	29·866	−·007	29·834	30·062	29·622	·440	·153	79·8	90·8	+0·1	75·0	+0·9	83·0	+0·5	15·8	106·6	61·2	45·4	29·6
	Vellore	707	29·305	...	29·861	29·407	28·944	·463	·157	76·9	89·1	...	71·9	...	80·4	...	17·2	103·7	54·8	48·9	29·8
	Madras	22	29·882	−·006	29·834	30·097	29·611	·486	·172	81·0	91·5	−0·1	75·2	+0·5	83·4	+0·2	16·3	109·0	59·5	49·5	27·6
33	Cuddapah	433	29·471	0	29·844	29·682	29·199	·483	·162	80·5	95·7	+0·3	74·0	−0·4	84·9	−0·1	21·8	110·8	55·6	55·2	35·0

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

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

* Mean of 11 months.
† „ 10 „
‡ „ 9 „

B—contd.

239 stations in India, etc., in the year 1907.

Wind direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	W.	W.	N.W.	Wind velocity. Mean velocity, 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
																									XI.—Central Provinces.
109	2	20	21	18	6	7	53	129	6·3	6·1	+0·2	56	−3	·482	−·019	2·9	−0·1	36	42·30	−6·30	17·33	31·35	−14·02	1·75	Khandwa.
123	9	54	29	5	12	60	49	24	3·9	3·2	+0·7	60	−6	·496	−·055	4·2	+0·7	47	56·00	−9·00	40·87	52·08	−11·21	3·70	Hoshangabad.
39	9	22	35	57	14	58	103	28	6·2	4·4	+1·8	49	−10	·411	−·084	3·2	+0·3	46	58·10	−12·10	38·04	48·57	−10·53	4·90	Saugor.
49	9	19	10	68	59	37	72	32	2·8	3·1	−0·3	63	−4	·483	−·052	3·0	−0·4	57	63·90	−6·90	36·64	59·11	−22·47	3·05	Jubbulpore (δ).
90	43	53	17	11	21	39	44	47	5·2	3·8	+1·4	59	−5	·476	−·054	3·4	−0·1	58	71·40	−13·40	40·10	55·27	−15·17	4·70	Seoni.
41	100	48	8	11	23	39	57	38	4·3	5·6	−1·3	60	−1	·516	−·037	3·3	−0·6	64	58·60	+5·40	48·25	49·49	−1·24	3·82	Nagpur.
135	40	16	3	14	29	31	10	87	4·6	...	...	60	...	·477	...	2·9	...	66	...	...	44·83	...	...	2·55	Pendra.
150	8	21	16	5	14	96	39	16	6·8	5·9	+0·9	67	+4	·561	−·004	1·6	−2·5	61	62·50	−1·50	49·69	50·65	−0·96	2·63	Raipur.
116	15	15	19	29	24	34	65	48	3·7	3·6	+0·1	64	−1	·571	−·018	3·5	−0·1	59	61·70	−2·70	45·87	55·75	−9·88	2·31	Chanda.
																									XII.—Hyderabad.
74	23	28	58	23	6	20	105	26	10·5	...	...	53	...	·471	...	3·0	...	48	47·40	+0·60	19·96	27·82	−7·86	1·10	Aurangabad.
147	10	14	...	13	2	53	35	79	S 4·4	...	...	65	...	·604	...	2·9	...	48	58·30	−10·30	31·93	41·07	−9·14	2·30	Nizamabad.
5	31	49	31	35	34	91	61	28	5·5	...	...	62	...	·549	...	3·4	...	50	59·10	−9·10	37·34	39·71	−2·37	4·35	Bidar.
33	37	55	52	32	31	33	49	43	9·2	10·2	−1·0	65	+1	·590	+·019	2·5	−1·3	52	48·70	+3·30	39·55	31·75	+7·80	3·14	Gulbarga.
64	11	57	29	52	6	87	42	17	9·6	9·6	0	61	−4	·585	−·020	3·8	+0·1	44	44·20	−0·20	22·27	30·74	−8·47	3·43	Raichur.
257	...	2	3	3	...	...	77	22	3·7	5·5	−1·8	66	−4	·554	−·068	4·2	+0·6	42	...	...	25·23	31·56	−6·33	2·23	Hyderabad (Deccan) (a).
78	32	1	5	73	45	24	53	54	7·3	...	...	63	...	·589	...	4·4	...	52	51·40	+0·60	37·33	...	...	3·80	Hanumkonda.
																									XIII.—Mysore.
36	6	14	60	34	9	66	105	45	6·2	8·1	−1·9	69	−1	·572	−·004	3·9	−1·2	50	48·50	+1·50	22·35	26·33	−3·98	2·04	Chitaldroog.
100	3	35	37	28	19	38	68	37	2·2	3·6	−1·4	82	+6	·603	+·029	5·6	0	78	68·20	+9·80	35·12	35·09	+0·03	2·25	Hassan.
...	7	35	90	22	18	75	102	16	7·9	6·3	+1·6	78	0	·580	0	4·8	−0·2	48	58·60	−10·60	31·58	35·06	−3·48	3·67	Bangalore.
21	5	35	49	28	15	108	87	17	9·0	10·0	−1·0	76	0	·602	+·001	5·8	+0·5	54	55·90	−1·90	25·67	30·91	−5·24	1·82	Mysore.
																									XIV.—Madras.
104	12	48	127	12	4	12	23	21	S 4·7	2·9	+1·8	82	+1	·822	+·033	4·8	−0·3	116	117·90	−1·90	123·13	123·94	−0·81	4·32	Mangalore.
47	25	71	115	24	6	17	20	40	7·9	8·6	−0·7	84	+1	·817	+·015	5·5	+0·7	123	116·10	+6·90	152·78	115·11	+37·67	5·64	Calicut.
34	7	94	121	39	16	17	21	16	S 6·7	5·5	+1·2	81	0	·812	0	5·2	+0·5	133	130·60	+2·40	120·02	115·63	+4·39	4·41	Cochin.
155	65	23	3	...	...	2	14	103	S 4·6	6·1	−1·5	82	0	·778	−·016	5·5	0	110	92·90	+17·10	90·25	62·78	+27·47	4·94	Trivandrum.
47	73	33	5	4	4	28	80	92	4·6	6·0	−1·4	77	+8	·847	+·105?	5·2	+0·5	41	41·40	−0·40	27·19	28·63	−1·44	2·62	Tinnevelly.
49	37	55	22	33	43	71	26	29	12·0	10·3	+1·7	81	...	·874	...	3·6	...	45	42·70	+2·30	39·88	38·97	+0·91	4·01	Pamban.
24	59	55	30	8	1	17	73	98	7·2	4·2	+3·0	74	+4	·757	+·021	5·8	+1·4	37	50·20	−13·20	25·55	33·30	−7·75	3·00	Madura.
210	11	16	8	8	3	7	4	6	3·2	...	...	70	...	·648	...	4·4	...	38	27·10	+10·90	31·35	14·94	+16·41	2·31	Periyakulam. (i)
25	51	84	18	10	9	37	43	82	9·1	...	...	74	...	·752	...	6·1	...	50	...	...	23·67	...	...	2·60	Pudukkottai. (h)
15	10	44	10	19	12	80	91	83	9·9	6·9	+3·0	74	−2	·787	−·021	4·6	−0·8	55	58·20	−3·20	45·15	55·56	−10·41	5·28	Negapatam. (c)
113	31	27	11	3	8	73	83	16	S 4·8	5·8	−1·0	75	+3	·787	+·056	5·0	+0·1	37	44·60	−7·60	30·52	32·54	−2·02	5·16	Trichinopoly.
35	21	68	39	12	33	115	37	5	6·5	4·2	+2·3	80	−3	·691	−·042	4·6	−0·1	50	43·80	+6·20	25·66	20·90	+4·76	2·69	Coimbatore.
29	17	42	71	4	16	108	62	16	5·3	4·2	+1·1	79	+3	·779	+·050	5·4	+1·0	56	59·50	−3·50	33·10	40·50	−7·40	2·73	Salem.
33	38	5	1	3	40	89	87	79	6·9	2·5	+4·4	76	−7	·787	−·071	4·5	−0·7	51	56·30	−5·30	46·31	52·58	−6·27	3·57	Cuddalore.
182	5	26	15	50	5	13	22	46	4·1	...	...	77	...	·710	...	3·2	...	56	54·90	+1·10	39·35	38·47	+0·88	2·87	Vellore.
18	38	17	8	2	75	65	103	39	S 5·6	6·8	−0·2	77	+1	·809	+·004	4·4	−0·7	54	83·70	−29·70	44·66	50·39	−5·73	4·59	Madras.
1	3	41	44	80	8	43	81	64	...	...	...	67	−1	·699	−·007	4·3	0	27	43·70	−16·70	18·95	32·69	−13·74	3·37	Cuddapah.

S Uncorrected.

(a) Wind observations of 364 days.
(b) " " " 365 "
(h) " " " 360 "
(i) " " " 372 "

TABL

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

Number of sub-division.	Station.	Elevation of bar. cistern above sea-level, in feet.	Pressure, 8 hrs., in inches. Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during 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 abso-
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
	XIV—Madras. —*concld.*																				
	Bellary	1,475	28·426	−·001	29·861	28·604	28·169	·435	·155	76·3	93·8	+0·8	71·2	+0·7	82·6	+0·7	22·6	106·0	55·3	50·7	3
	Kurnool	923	28·963	(d) −·004	29·841	29·168	28·688	·480	·169	76·9	93·7	−0·1	71·2	+0·6	82·5	+0·3	22·6	108·3	50·6	57·7	3
34	Nellore	52	29·836	+·010	29·831	30·071	29·562	·509	·184	80·6	93·1	(d) −1·0	74·5	−0·6	83·8	(d) −0·8	18·6	111·3	60·1	51·2	2
	Masulipatam	15	29·886	(d) +·013	29·836	30·132	29·561	·571	·204	80·7	90·7	+0·2	74·8	+0·5	82·8	+0·3	15·9	114·7	60·6	54·1	2
	Cocanada	26	29·860	+·003	29·822	30·120	29·504	·616	·211	80·0	89·0	−0·4	74·6	−0·2	81·8	−0·3	14·3	112·5	60·5	52·0	2
	Waltair (Vizagapatam).	226	29·638	−·006	29·807	29·908	29·239	·669	·224	79·9	86·5	...	75·1	...	80·8	...	11·5	96·9	62·9	34·0	2
	Calingapatam	19	29·848	...	29·807	30·139	29·409	·730	·234	...	...	...	...	...	...	...	...	...	...	...	...
	Gopalpur	72	29·794	† +·006	29·808	30·093	29·409	·684	·235	77·5	86·1	+0·1	73·0	−0·3	79·6	−0·1	13·0	102·7	54·5	48·2	2
	Stations in the Bay.																				
1	P. V. Fraser	8	‡ 29·885	...	‡ 29·814	30·123	29·347	·776	§ ·216	† 81·3	...	...	...	...	...	...	...	...	...	...	...
	Car Nicobar	25	29·887	...	29·839	29·976	29·728	·248	·141	81·6	86·3	...	76·4	...	81·4	...	10·0	93·5	70·2	23·3	16
	Port Blair	61	29·849	−·001	29·841	29·983	29·659	·324	·158	79·5	86·1	−1·3	76·7	−0·4	81·4	−0·9	9·4	93·7	68·5	25·2	12
	Slipper Island	90	29·792	...	29·815	29·961	29·578	·383	·170	81·1	85·9	...	77·2	...	81·6	...	8·7	92·1	71·1	21·0	15
	Kashmir.																				
14	Srinagar	5,204	24·882	−·006	24·853	25·152	24·488	·664	·331	48·6	66·7	+0·7	43·4	−0·5	55·0	+0·1	23·2	91·8	15·6	76·2	39
	Gulmarg ‖	*8,569*	21·815	...	21·783	22·008	21·663	·345	·220	56·4	65·7	...	43·6	...	54·8	...	22·1	77·1	34·2	42·9	36
	Sonemarg	*8,764*	21·798	...	21·766	21·991	21·401	·590	·261	35·9	54·2	...	29·7	...	41·9	...	24·5	77·4	−2·4	79·8	44
	Dras	*10,059*	20·801	...	20·769	21·088	20·335	·753	·361	32·5	51·6	...	23·0	...	37·3	...	28·6	89·4	−24·9	114·3	51
	Leh	11,503	19·699	−·004	19·667	19·976	19·320	·656	·352	36·3	53·5	−1·9	28·7	−1·1	41·2	−1·5	24·8	82·7	−5·1	87·8	41
	Skardu	*7,505*	22·876	...	22·846	23·261	22·484	·777	·407	46·6	† 59·0	...	40·3	...	† 48·0	...	† 21·9	91·5	10·1	81·4	† 44
	Minimarg ‖	*9,359*	21·346	...	21·314	21·600	20·930	·670	·445	20·6	39·1	...	9·2	...	24·2	...	29·9	61·3	−10·0	71·3	53
	Astor ‖	*7,955*	22·564	...	22·534	22·873	22·088	·785	·554	26·6	41·3	...	22·9	...	32·1	...	18·4	54·9	9·0	45·9	38
	Gilgit	4,890	25·134	...	25·106	25·532	24·721	·861	·468	58·6	72·4	−0·4	51·8	−1·5	62·1	−0·9	20·5	107·7	23·2	84·5	40
	Baluchistan.																				
16	Quetta	5,502	24·615	−·009	24·575	24·873	24·346	·527	·227	55·6	73·8	+0·4	44·3	0	59·1	+0·2	29·5	96·6	15·8	80·8	49
	Chaman	4,311	25·677	+·005	25·639	25·961	25·341	·620	·250	59·8	78·2	−0·8	52·5	−1·9	65·3	−1·5	25·8	104·8	12·3	92·5	49
	Robat	...	26·853	...	26·792	27·411	26·504	·907	·336	66·4	77·8	...	60·5	...	69·2	...	17·3	111·5	29·1	82·4	39
	Hill Stations excluding Kashmir and Baluchistan.																				
	Chitral	*5,486*	...	...	...	...	...	...	...	53·7	72·3	...	(d) 48·0	...	(d) 60·9	...	(d) 25·7	105·8	27·5	78·3	(d) 43
	Para Chinar	6,000	24·385	...	24·352	24·640	24·031	·609	·290	57·4	69·6	...	47·3	...	58·5	...	22·4	94·9	13·2	81·7	40
	Cherat	*4,256*	† 25·675	† −·017	† 25·643	25·888	25·326	·562	† ·287	61·3	71·7	−2·0	56·3	−0·5	64·0	−1·2	15·4	102·1	31·0	71·1	34
	Murree	6,333	23·830	0	23·798	24·094	23·386	·708	·280	55·9	63·6	−2·2	(d) 49·7	(d) −0·7	(d) 56·8	(d) −1·2	(d) 14·1	91·6	22·5	69·1	d 35
	Kailang	*10,087*	20·969	...	20·924	21·185	20·787	·398	·177	38·5	54·9	−0·6	30·7	−1·4	42·8	−1·0	24·2	80·3	0·1	80·2	42
	Simla	7,224	23·084	−·007	23·046	23·309	22·829	·480	·209	53·8	60·8	0	49·4	−0·5	55·1	−0·3	11·3	81·2	25·4	55·8	25
	Sarain	...	23·138	...	...	23·360	22·917	·443	·211	49·5	62·4	...	42·3	...	52·4	...	20·2	83·2	20·9	62·3	34
	Kalabagh*	...	20·108	...	...	20·261	19·984	·277	·172	48·4	54·4	...	44·1	...	49·3	...	10·3	71·4	31·5	39·9	22

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

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

† Mean of 10 months. (d) Mean of 11 months.

§ Mean of 8 months. ‖ Mean of 4 months.

B—*continued.*

239 stations in India, etc., in the year 1907.

Wind direction. Number of winds from: Calm.	N.	N. E.	E.	S. E.	S.	S. W.	W.	N. W.	Wind velocity: Mean velocity, 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
																									XIV—Madras—*concld.*
59	15	8	25	42	29	23	99	65	5·5	6·7	−1·2	59	−3	·538	−·042	3·6	−1·1	26	34·30	−8·30	14·48	19·73	−5·25	1·54	Bellary.
129	9	3	19	13	31	62	30	64	7·8 S	...	...	71	+5?	·660	+·035?	3·6	−0·2	29	47·60	−18·60	15·51	28·40	−12·89	3·00	Kurnool.
29	21	13	18	40	68	38	69	70	6·7 S	6·7	0	75	−1	·766	−·043	4·6	−0·4	30	42·40	−12·40	38·72	30·73	+7·99	7·74	Nellore.
207	13	18	5	17	21	10	29	45	7·0	6·5	+0·5	80	−2	·838	−·008?	4·5	−0·3	44	51·00	−7·00	24·48	40·91	−16·43	2·10	Masulipatam.
66	25	62	7	5	4	100	42	54	6·7	7·9	−1·2	80	+5?	·822	+·062?	5·7	+1·0	49	53·90	−4·90	42·78	39·84	+2·94	5·95	Cocanada.
27	20	71	3	1	2	137	93	11	9·8	...	...	70	−3	·728	−·039	5·3	+0·5	54	49·60	+4·40	27·20	43·54	−16·34	1·94	Waltair (Vizagapatam).
3	42	27	4	5	26	75	103	75	* 7·9	...	...	...	...	...	...	3·7†	...	36	...	...	25·32	...	...	3·74	Calingapatam.
33	78	11	1	2	41	83	14	102	11·9	11·8	+0·1	79	−2	·744	−·040	3·1	−1·5	47	55·20	−8·20	26·63	47·53	−20·90	3·97	Gopalpur.
																									Stations in the Bay.
12	29	25	12	7	22	72	20	14	...	...	...	†† 84	...	†† ·900	...	4·8	...	40	...	...	24·44	...	...	2·78	P. V. Fraser.§
27	35	36	18	18	17	125	7	5	3·4 S	...	...	83	...	·891	...	9·6	...	144	...	...	103·73	...	...	3·93	Car Nicobar. §
33	26	46	21	27	21	71	86	29	8·1	7·5	+0·6	84	−2	·852	−·043	6·4	+0·4	156	...	...	131·79	117·63	+14·16	5·08	Port Blair.
23	55	41	44	38	39	62	31	32	14·4	...	...	83	...	·877	...	7·1	...	104	...	...	80·30	..	...	4·41	Slipper Island.
																									Kashmir.
111	20	19	14	78	52	19	11	42	3·6	3·6	0	83	−3	·320	−·035	4·1	−0·5	64	56·50	+7·50	28·90	24·74	+4·16	2·59	Srinagar.
38	5	45	12	5	1	11	6	4	5·9	...	...	81	...	·375	...	3·0	...	32	..	...	16·10	...	...	2·58	Gulmarg.¶¶
105	44	45	39	9	6	7	3	7	3·0	...	...	89	...	·202	...	4·5	...	89	...	...	73·05	...	...	5·04	Sonemarg.
338	...	1	1	3	2	8	8	4	3·7 S	...	...	74	...	·165	...	3·9	...	53	61·10	−8·10	17·55	24·57	−7·02	0·90	Dras.
308	2	15	14	...	13	4	8	1	2·2	2·0	+0·2	52	0	·124	−·007	4·8	0	16	9·30	+6·70	4·27	3·00	+1·27	0·42	Leh.
270	7	12	3	10	15	37	6	5	5·4	...	...	64	...	·199	...	5·2	...	19	17·00	+2·00	6·16	10·45	−4·29	0·73	Skardu.
80	...	7	23	4	1	...	3	1	3·2	...	...	75	...	·085	...	6·2	...	40	...	...	18·55	...	...	1·17	Minimarg.‖
36	2	6	1	2	46	15	8	1	3·1	...	...	62	...	·095	...	6·5	...	20	...	...	5·63	...	...	0·85	Astor.**
304	...	2	...	4	2	22	24	7	1·9	...	...	46	−5	·237	−·032	5·0	+0·2	13	14·00	−1·00	4·94	4·80	+0·14	0·82	Gilgit.
																									Baluchistan.
298	5	2	3	10	12	2	4	7	1·6	2·9	−1·3	54	−4	·249	−·038	1·9	0	21	26·80	−5·80	6·78	10·68	−1·90	1·18	Quetta.†
64	65	40	75	47	19	5	5	45	8·2	8·1	+0·1	53	+9	·300	+·033	1·5	−0·5	13	19·60	−6·60	5·05	6·29	−1·24	1·37	Chaman.
203	16	42	39	10	7	21	9	2	4·4	...	...	55	...	·403	...	1·4	...	6	...	...	2·44	...	...	0·71	Robat.‡‡
																									Hill Stations excluding Kashmir and Baluchistan.
311	9	22	5	3	3	2	1	7	3·4	...	...	67	...	·296	...	2·6	...	32	...	...	15·94	...	...	1·80	Chitral.(a)
324	5	1	3	4	7	5	12	4	4·5	...	...	54	...	·267	...	3·0	...	71	58·20	+12·80	30·03	25·18	+ 4·85	1·96	Para Chinar.
66	14	3	...	28	38	10	9	66	8·4	11·4	−3·0	52	−1	·294	−·025	2·4	−0·7	46	...	...	29·24	24·43	+ 4·81	4·01	Cherat.
141	68	8	26	35	60	3	8	16	6·8 S	3	−0·5	55	0	·257	−·006	3·0	−0·8	81	77·30	+ 3·70	61·03	55·85	+ 5·18	3·39	Murree.
...	11	19	54	61	53	73	70	21	1·4	1·6	−0·2	65	...	·167	...	4·3	...	55	...	...	24·64	22·84	+ 1·80	2·35	Kailang.§§
31	183	4	1	22	109	4	1	10	5·6	4·6	+1·0	55	−3	·240	−·020	3·7	−0·5	73	80·10	−7·10	48·24	63·59	−15·35	2·64	Simla. ‖
129	10	10	4	1	84	54	9	1	3·1	...	...	66	...	·244	...	3·3	...	69	..	...	48·91	...	...	3·32	Sarain.‖‖
22	6	...	6	32	23	...	15	47	8·6	...	...	68	...	·240	...	4·2	...	41	...	...	30·73	...	...	4·88	Kalabagh.¶

S Uncorrected.

* Mean of 11 months.

‖ Winds for 119 days.

‡ Winds for 213 days.

† Mean of 9 months.

‡‡ Winds of 349 days.

†† Mean of 10 months.

¶¶ Winds of 122 days.

** Winds of 117 days.

† Winds of 338 days.

§§ Winds of 362 days.

‖‖ „ „ 352 „

¶ „ „ 151 „

(a) „ „ 363 „

§ Winds of 288 days.

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	23·261	—·004	23·221	23·491	23·056	·435	·210	53·9	65·3	+0·2	49·7	−0·9	57·5	−0·4	15·6	83·8	26·7	57·1	27·5
	Muktesar	7,556	22·848	...	22·807	23·062	22·642	·420	·200	53·1	63·5	...	49·6	...	57·0	...	14·7	80·5	25·9	54·6	28·6
	Darjeeling	7,376	23·004	—·003	22·959	23·204	22·823	·381	·190	52·3	59·1	+0·7	47·3	−0·2	53·2	+0·2	11·8	71·7	32·0	39·7	21·8
	Shillong	4,920	25·108	...	25·060	25·308	24·856	·452	·203	59·6	69·8	...	52·9	...	61·4	...	16·9	80·4	33·2	48·2	23·7
	Cherra Poonjee	4,309	25·667	...	25·618	25·861	25·414	·447	·194	61·9	68·5	...	57·4	...	63·0	...	11·1	80·7	41·3	39·4	23·5
	Maymyo	3,545	26·434	...	26·379	26·636	26·230	·406	·175	65·2	76·4	...	58·1	...	67·3	...	18·3	88·9	34·6	54·3	30·5
	Pachmarhi	3,528	26·426	—·001	26·373	26·660	26·074	·586	·200	67·7	80·5	+0·9	60·3	−1·8	70·4	−0·7	20·3	97·7	34·8	62·9	34·4
	Mount Abu	3,945	26·027	—·001	25·977	26·270	25·721	·549	·212	67·2	75·1	−0·9	61·7	−0·3	68·5	−0·6	13·4	91·2	45·4	45·8	25·1
	Mercara	3,781	26·231	—·001	26·164	26·342	26·066	·276	·114	65·1	76·7	+0·1	61·4	+0·1	69·0	+0·1	15·3	88·5	51·0	37·5	24·4
	Ootacamund	7,329	23·052	...	22·988	23·157	22·873	·284	·111	57·1	65·0	—	49·2	...	57·1	...	15·9	72·5	32·2	40·3	25·1
	Kodaikanal	7,689	22·829	...	22·764	22·918	22·673	·245	·106	56·3	64·5	...	50·8	...	56·8	...	13·7	74·5	40·8	33·7	21·9
	Extra India.																				
	Singapore (a)	10	29·940	...	29·871	30·061	29·827	·234	·138	83·6	88·3	...	73·9	...	81·1	...	14·4	92·6	68·5	24·1	19·8
	Penang (a)	20	29·918	...	29·863	29·987	29·817	·170	·076	82·0	89·2	...	73·5	...	81·4	...	15·7	98·0	66·0	32·0	22·1
	Trincomalee	12	29·909	+·017	29·847	30·056	29·731	·325	·144	78·6	88·1	−0·5	76·0	−0·6	82·0	−0·6	12·0	96·0	69·5	26·5	19·4
	Colombo	40	29·897	—·008	29·863	29·994	29·750	·244	·128	79·2	86·8	−0·2	75·3	−0·3	81·1	−0·2	11·6	92·5	67·5	25·0	18·7
	Minicoy	7	29·945	...	29·875	30·036	29·795	·241	·129	82·3	87·0	+0·5	...	...	...	...	...	93·4	...	...	...
	Amini Divi	*18*	29·928	0	29·869	30·030	29·706	·324	·136	82·3	87·5	+1·3	76·9	−0·2	82·2	+0·6	10·6	95·5	67·1	28·4	18·9
	Gyantse	13,120	18·483	...	...	18·941	18·288	·653	·217	36·4	59·3	...	26·5	...	42·9	...	32·8	82·3	−4·1	86·4	49·6
	Pharijongt	14,400	17·910	...	...	18·058	17·655	·403	·189	34·1	49·1	...	23·1	...	36·2	...	26·0	68·1	−6·0	74·1	44·1
	Gangtok	5,660	24·463	...	...	24·738	24·215	·523	·221	58·5	68·6	...	48·1	...	58·4	...	20·5	82·2	31·5	50·7	31·7
	Kashgar (c)	4,255	25·579	...	...	26·120	25·220	·900	·480	50·1	56·3	+0·2	43·5	0	54·9	+0·1	22·9	103·3	2·3	101·0	41·6
	Kabul	...	24·266	...	24·235	24·535	23·966	·569	·276	54·2	74·1	+2·1	41·8	−0·7	58·0	+0·7	32·3	101·9	14·4	87·5	53·6
	Meshed	3,104	...	...	...	...	...	...	...	54·2	68·0	...	42·6	−3·2	55·3	...	25·4	98·0	5·0	93·0	50·7
	Jask	13	29·855	—·011	29·825	30·233	29·393	·840	·287	78·6	86·4	−0·2	73·9	+0·6	80·2	+0·2	12·5	104·2	49·8	54·4	26·2
	Muscat	20	29·864	+·006	29·832	30·230	29·397	·833	·276	80·9	85·7	+5·3	77·7	−0·9	83·2	+2·2	10·9	111·7	60·6	51·1	25·5
	Bahrein	18	29·928	...	29·898	30·445	29·452	·993	·291	79·0	82·8	...	71·9	...	77·4	...	10·8	108·8	42·7	66·1	28·3
	Bushire	14	29·855	—·007	29·828	30·311	29·348	·963	·290	72·5	81·2	−1·2	68·2	−0·3	74·7	−0·7	12·9	104·0	35·9	68·1	33·2
	Busrah	25	29·902	...	29·887	30·448	29·352	1·096	·427	69·8	83·0	...	62·0	...	73·4	...	22·7	106·6	23·7	82·9	42·3
	Ispahan (b)	5,817	24·279	...	...	24·560	23·930	·630	·316	53·3	72·7	−1·4	46·1	+0·9	59·4	−0·3	26·6	98·5	8·2	90·3	46·6
	Tehran (b)	4,002	25·817	...	...	26·350	25·450	·900	·397	53·7	1·5	−0·6	48·0	−2·2	59·8	−1·4	23·5	103·0	15·7	87·3	45·0
	Baghdad	220	29·784	—·006	29·985	30·286	29·311	·975	·395	65·7	83·7	−1·5	60·4	+0·8	72·1	−0·3	23·3	115·4	22·8	92·6	43·4
	Beirut	...	...	...	29·924	...	...	..	...	68·2	75·2	...	61·5	...	68·4	...	13·7	95·9	30·0	65·9	27·8
	Aden	94	29·843	+·017	29·868	30·094	29·535	·559	·186	81·3	87·4	−0·8	77·9	+0·1	82·7	−0·3	9·5	98·3	67·4	30·9	18·4
	Perim	201	29·707	—·026	29·643	29·877	29·539	·338	·084	84·3	89·3	−0·5	79·5	+0·4	84·4	0	9·9	98·5	70·4	28·1	14·2
	Zanzibar	72	29·997	+·005	29·997	30·197	29·843	·354	·126	78·7	84·0	+0·4	76·3	−0·2	80·2	+0·1	7·7	92·0	70·8	21·2	19·6
	" Dunga	*154*	29·884	...	29·967	30·187	29·759	·428	·145	77·6	85·9	...	72·3	...	79·5	...	14·6	118·5	53·2	66·3	21·2

N.B.—Elevations in italics indicate barometrical determinations.
Note.—The barometric readings are not reduced to sea-level, in the cases of hill or plateau stations, the elevations of which exceed 3,200 feet.
(a) 8 hrs. observations. (b) Aneroid uncorrected. (c) Aneroid corrected.

* Mean of 11 months.
† " 10 "
‡ " 9 "
§ " 6 "
‖ " 5 "
(b) " 8 "

B—*concld.*

239 stations in India, etc., in the year 1907.

Wind direction. Number of winds from: Calm.	N.	N. E.	E.	S. E.	S.	S. W.	W.	N. W.	Wind velocity. Mean velocity, miles per hour.	Normal.	Departure from normal.	Hygrometry. 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.*
204	75	11	1	23	30	1	...	20	6·9	6·3	+0·6	65	+ 1	·294	+·003	3·3	− 0·1	68	88·00	−20·00	53·60	70·71	−17·11	5·09	Chakrata.
168	3	14	36	18	1	5	114	6	7·3	...	...	62	...	·263	...	3·7	...	77	...	...	41·21	...	...	6·28	Muktesar.
103	22	65	43	45	14	37	24	12	4·1	4·8	−0·7	84	− 3	·351	−·006	6·3	+0·3	118	121·09	− 3·09	89·42	124·38	−34·96	3·97	Darjeeling.
295	2	2	9	10	25	21	1	...	4·4	...	...	74	...	·406	...	4·5	...	132	120·40	+11·60	67·25	79·72	−12·47	2·35	Shillong.
103	3	75	41	12	18	63	38	11	5·4	...	...	82	...	·470	...	5·3	...	167	161·70	+ 5·30	361·45	438·85	−77·40	18·96	Cherra Poonjee.
300	...	2	1	4	8	27	1	1	s 1·7	...	...	85	...	·549	...	4·8	...	80	90·70	−10·70	43·13	58·96	−15·83	2·58	Maymyo m.
98	8	15	13	16	9	60	70	75	6·7	5·9	+0·8	62	+ 2	·418	−·016	3·4	−0·5	52	79·20	−27·20	57·78	76·21	−18·43	6·10	Pachmarhi.
62	38	26	6	9	20	122	43	39	7·8	7·8	0	56	+ 1	·379	+·006	2·8	−0·5	62	54·20	+ 7·80	79·02	61·73	+17·29	16·53	Mount Abu.
71	28	52	52	10	7	17		67	3·5	5·9	− 2·4	d 89	+ 6	d ·356	+·020	6·3	+0·4	120	134·70	−14·70	142·29	125·94	+16·35	6·94	Mercara.
39	5	58	91	57	12	20	66	17	5·5	...	...	68	...	·321	...	5·0	...	108	90·70	+17·30	53·25	46·60	+ 6·65	2·07	Ootacamund.
2	56	42	58	40	14	7	61	85	13·0	...	...	72	...	·321	...	4·5	...	91	99·40	− 8·40	48·46	64·82	−16·36	3·63	Kodaikanal.
																									Extra India.
28	30	61	45	75	21	24	35	46	s 5·6	...	...	...	...	...	...	5·5	...	125	...	...	86·26	...	...	3·86	Singapore.
6	97	77	37	38	12	9	13	76	s 10·6	...	...	...	...	...	...	2·0	...	118	...	...	78·29	...	...	4·25	Penang.
130	7	9	6	1	18	175	15	2	s 4·4	10·0	−5·6	85	+ 4	·838	−·026	3·6	+0·3	73	...	...	70·67	62·37	+ 8·30	7·19	Trincomalee.
5	39	54	22	27	19	124	63	12	s 7·2	8·0	−0·8	85	+ 8	·853	+·008	5·3	+0·2	96	...	...	70·40	89·59	−19·10	6·33	Colombo.
...	80	54	23	5	6	36	79	82	7·6	9·5	−1·9	e 75	− 4	e ·861	+·013	d 5·0	+0·4	97	...	...	57·34	57·48	− 0·14	5·20	Minicoy.
29	86	92	10	3	3	15	60	67	...	...	...	77	− 2	·855	−·024	5·5	+0·2	84	...	...	56·15	48·41	+ 7·74	7·10	Amini Divi.
14	...	1	4	174	93	76	3	...	2·9	...	...	e 63	...	e ·171	...	0	...	11	...	...	4·15	...	...	0·89	Gyantse.
180	18	1	..	46	22	21	4	13	7·5	...	...	f 84	...	f ·182	...	3·5	...	39	...	...	15·45	...	...	1·00	Pharijong. q
302	1	22	1	6	3	7	1	2	2·0	...	...	79	...	·406	...	1·7	...	177	...	...	132·38	...	...	3·40	Gangtok. ‡
261	8	1	2	2	1	1	6	37	2·5	2·8	−0·3	f 52	?	f ·276	?	3·3	−0·9	10	...	...	2·50	3·99	− 1·49	0·60	Kashgar. V
...	92	66	15	5	14	35	70	67	...	...	...	57	...	·256	...	2·1	+0·5	34	...	...	15·37	11·85	+ 3·42	2·35	Kabul. P
46	...	...	2	2	4	...	3	2	...	...	...	67	...	·287	...	3·0	?	29	...	...	10·09	8·29	+ 1·79	1·09	Meshed. A
49	21	56	112	39	2	7	6	65	11·6	11·9	−0·3	68	− 3	·697	−·030	2·9	+1·3	6	...	...	3·05	4·46	− 1·41	0·82	Jask. B
218	8	1	8	31	1	2	14	70	3·8	4·3	−0·5	69	0	·741	−·001	2·1	+0·5	8	...	...	4·54	4·43	+ 0·11	1·86	Muscat. C
...	40	10	21	19	9	10	84	62	f 7·3	...	...	70	...	·730	...	0·2	...	8	...	...	2·66	...	...	0·65	Bahrein. s
29	58	44	40	50	25	9	13	95	11·5	7·9	+3·6	74	+ 7	·633	+·025	2·8	...	17	...	...	7·43	12·11	− 4·68	1·84	Bushire. D
54	151	6	3	12	49	19	45	26	s i 6·3	...	...	70	...	·542	...	e 2·2	...	22	...	...	6·23	...	...	0·83	Busrah.
303	3	6	4	2	3	10	24	6	2·8	3·9	−1·1	67	+ 3	·329	+·010	1·8	−0·3	15	...	...	5·57	3·64	+ 1·93	0·97	Ispahan. E
28	59	171	20	14	7	20	4	8	4·3	3·0	+1·3	68	+20	·323	+·072	2·9	+0·4	25	...	...	8·52	9·49	− 0·64	0·90	Tehran. F
152	91	1	1	2	18	2	9	72	5·3	3·6	+1·7	58	− 1	·368	−·041	2·1	+0·9	18	...	...	10·03	9·04	+ 0·99	1·46	Baghdad. G
63	3	27	20	43	6	167	18	9	..	...	...	68	...	·400	...	3·7	...	66	...	...	41·27	...	...	2·49	Beirut.
22	11	251	6	30	7	34	2	2	14·2	12·5	+1·7	74	+ 1	·792	+·011	4·0	−0·2	2	...	...	0·64	2·97	− 2·33	0·25	Aden.
3	5	16	149	54	53	50	15	18	18·1	16·9	+1·2	73	0	·873	+·048	h 1·2	−2·8	4	...	...	1·56	1·92	− 0·36	1·04	Perim. D
58	42	32	14	19	100	92	6	...	6·2	6·7	−0·5	82	− 1	·804	−·013	5·5	−0·4	85	...	...	42·04	55·04	−13·00	2·35	Zanzibar. D
23	47	23	1	12	11	116	48	55	d 5·6	...	...	87	...	·826	...	3·2	...	80	...	...	49·42	...	...	3·00	,, Dungs. o

s Uncorrected.
e Mean of 10 months.
d ,, 11 ,,
h ,, 6 ,,

q Winds for 305 days.
f Mean of 9 months.

m Wind direction of 344 days.

o Winds for 336 days.
B Winds of 357 days.
C ,, 353 ,,

‡ Winds of 345 days.
V Winds of 319 days.
P ,, 364 ,,
A ,, 59 ,,
s ,, 356 ,,

i Mean of 6 months.
E Winds for 361 days.
F ,, 359 ,,
G ,, 348 ,,
D ,, 363 ,,

Table C.—Abstract of observations taken at 8 hrs. at 26 fourth class stations in India, etc., in the year 1907.

TABLE

Abstract of observations taken at 8 hrs. at 26

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	86·0	83·4	...	60·1	...	71·8	...	23·3	96·1	36·4	59·7	35·9	...	...	...	...	...	...	...	...	...
	Borjuli	69·9	85·9	...	61·9	...	73·9	...	24·0	93·3	38·2	60·1	34·4	...	...	...	...	...	...	...	...	...
	Chandkhira	70·7	85·1	...	64·5	...	74·8	...	20·6	94·8	42·5	52·3	32·0	...	...	...	...	...	...	...	...	...
	Doom Dooma	66·2	78·3	...	60·8	...	69·6	...	17·5	101·1	39·8	61·3	31·5	...	...	...	...	...	...	...	...	...
	Dikom	67·2	81·6	...	62·5	...	72·0	...	19·1	99·4	38·3	61·1	33·4	...	...	...	...	...	...	...	...	...
	Golaghat	69·9	82·2	...	64·2	...	73·2	...	18·0	96·2	42·0	54·2	30·0	...	...	...	...	...	...	...	...	...
	Hailakandi	71·1	85·5	...	(a) 67·6	...	(a) 77·3	...	17·9	96·0	43·0	53·0	(a) 31·7	...	...	...	...	...	...	...	...	...
	Jorehat	69·6	82·9	...	64·9	...	73·9	...	18·0	97·9	43·4	54·5	29·5	...	...	...	...	...	...	...	...	...
	Messa	72·3	88·3	...	61·4	...	74·9	...	26·9	99·4	39·5	59·9	36·2	...	...	...	...	...	...	...	...	...
	Panerihat	63·8	82·6	...	62·2	...	72·4	...	20·4	94·1	41·0	53·1	30·8	...	...	...	...	...	...	...	...	...
	Srimangal	72·4	87·8	...	65·3	...	76·6	...	22·5	97·0	42·2	54·8	32·9	...	...	...	...	...	...	...	...	...
	Tura†	77·3	81·9	...	67·4	...	74·7	...	14·5	94·6	52·4	42·2	24·7	...	25	27	5	55	35	207	9	2
5	Brahmanbaria	75·5	86·7	...	67·7	...	77·2	...	19·0	98·1	45·9	52·2	30·9	...	...	...	...	...	...	...	...	...
	Dam Dim	67·0	87·6	...	61·2	...	74·4	...	23·4	96·4	36·9	49·5	36·7	...	...	...	...	...	...	...	...	...
	Goalundo	74·8	87·0	...	66·5	...	76·8	...	20·5	102·0	41·8	60·2	33·2	...	...	...	...	...	...	...	...	...
	Kalchini	73·3	84·0	...	62·7	...	73·3	...	21·3	95·0	41·5	53·5	32·0	...	...	...	...	...	...	...	...	...
	Nagrakata	72·8	84·6	...	(a) 66·4	...	(a) 75·8	...	18·2	95·6	42·0	52·7	(a) 29·3	...	...	...	...	...	...	...	...	...
	Pabna	75·6	90·9	...	66·8	...	78·9	...	24·1	105·4	47·0	58·4	36·0	...	...	...	...	...	...	...	...	...
	III.—Bengal.																					
6	Fraserganj	78·5	...	...	...	...	...	...	...	...	...	...	...	1	65	...	...	10	241	15	1	29
	XI.—Central Provinces.																					
24	Chindwara	...	...	...	...	...	Observat	ory not op	en during	the year.	...	...	...	...	...	...	...	...	...	...	...	...
	Hill Stations.																					
	Panighatta	72·2	83·1	...	65·0	...	74·1	...	18·1	93·9	46·1	47·8	29·4	...	...	...	...	...	...	...	...	...
	Kurseong	60·7	68·0	...	56·4	...	62·2	...	11·6	80·5	39·5	41·0	23·1	...	...	...	...	...	...	...	...	...
	Poo	...	57·9	...	41·4	...	49·7	...	16·5	78·8	12·0	66·8	32·7	236	223	41	4	11	32	12	17	4	9
	Killa Drosh	54·7	71·1	...	(a) 54·0	...	(a) 64·9	...	17·1	103·0	30·4	72·6	(a) 43·0	236	1	11	2	11	...	20	2	8
	Pishin	...	75·1	...	44·6	...	59·8	...	30·5	100·4	13·0	87·4	52·1	...	...	...	...	...	...	...	...	...
	Extra India.																					
	Birjind*	66·8	76·1	...	55·0	...	65·5	...	21·1	95·5	17·6	77·9	41·7	66	26	82	22	23	24	3	2	4
	D'thala‡	77·2	87·3	...	58·1	...	72·8	...	29·2	99·4	50·1	49·3	41·0	...	21	5	18	33	13	8	3	8

* Observations of 9 months.
‡ " of 5 months.
† " of 10 hrs.

(a) Mean of 10 months.

C.

fourth class stations in India, etc., in the year 1907.

Wind velocity.			Hygrometry, 8 Hrs.				Cloud.		Rainfall.							
Mean velocity, 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.
...	...	...	97	...	·666	...	...	...	132	...	...	95·73	...	...	4·05	Bishnath.
...	...	...	89	...	·692	...	...	...	108	...	...	70·00	...	...	3·16	Borjuli.
...	...	...	92	...	·715	...	...	...	122	...	...	97·05	...	...	3·74	Chandkhira.
...	...	...	95	...	·651	...	...	...	128	...	...	94·62	...	...	4·07	Doom Dooma.
...	...	...	90	...	·638	...	...	...	133	...	...	94·79	...	...	3·60	Dikom.
...	...	...	91	...	·700	...	...	...	119	...	...	65·49	...	...	4·07	Golaghat.
...	...	...	90	...	·702	...	...	...	141	...	...	132·17	...	...	4·85	Hailakandi.
...	...	...	91	...	·684	...	...	...	118	...	...	73·76	...	...	3·15	Jorehat.
...	...	...	85	...	·707	...	...	...	120	...	...	101·87	...	...	3·82	Messa.
...	...	...	94	...	·592	...	...	...	102	...	...	72·15	...	...	2·90	Panerihat.
...	...	...	87	...	·722	...	...	...	118	...	...	92·39	...	...	4·32	Srimangal.
...	...	...	71	...	·682	...	...	...	110	...	...	100·45	...	...	4·51	Tura.
...	...	...	85	...	·742	...	...	...	90	...	...	66·83	...	...	4·00	Brahmanbaria.
...	...	...	90	...	·647	...	...	...	123	...	...	135·69	...	...	6·73	Dam Dim.
...	...	...	83	...	·748	...	...	...	81	...	...	62·75	...	...	4·66	Goalundo.
...	...	...	82	...	·713	...	...	...	120	...	...	146·77	...	...	6·48	Kalchini.
...	...	...	79	...	·657	...	...	...	132	...	...	141·37	...	...	4·63	Nagrakata.
...	...	...	78	...	·750	...	...	...	80	...	...	49·80	...	...	3·10	Pabna.
																III.—Bengal.
...	...	...	83	...	·629	...	...	...	74	...	...	86·65	...	...	9·53	Fraserganj.
																XI.—Central Provinces.
...	...	...	...	...	...		Observatory not open during the year.					...	...	...	...	Chindwara.
																Hill Stations.
...	...	...	73	...	·599	...	...	...	117	...	...	104·39	...	...	6·52	Panighatta.
...	...	...	82	...	·448	...	...	...	146	...	...	122·97	...	...	4·87	Kurseong.
...	...	...	...	...	...	...	3·7	...	29	...	...	11·51	18·56	—7·05	1·68	Poo.M
...	...	...	63	...	·290	...	1·9	...	43	...	...	19·37	...	...	1·85	Killa Drosh.N
...	...	...	...	...	...	...	1·0	...	18	23·20	—5·20	8·85	9·98	—1·13	1·77	Pishin.
																Extra India.
10·0	...	...	33	...	·218	...	1·3	...	7	...	...	1·52	...	...	0·25	Birjind.P
R 12·3	...	...	60	...	·561	...	...	...	33	...	...	15·36	...	...	1·31	D'thala.

R = Mean of 3 months.
M = Wind observations of 353 days.
N = " of 281 "
P = " of 252 "

ADDENDA SHEET OF 8 HOURS OBSERVATIONS IN TABLE C OF 1907 MONTHLY WEATHER REVIEW.

Number of sub-division	Station.	Temperature of air.													Wind direction.										
		Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure form normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.	Number of winds from: Calm.	N.	N. E.	E.	S. E.	S.	S. W.	W.	N. W.	Resultant direction.	Normal direction.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
	April 1907.																								
...	Birjand . . .	63·0	70·9	...	52·8	...	61·9	...	18·1	84·2	28th	43·2	30th	38·0	9	8	2	1	4	4	1	...	1	N53°E	...
	May 1907.																								
...	Birjand (a) . . .	71·0	78·1	...	59·9	...	69·0	...	18·2	87·8	28th	44·5	2nd	43·3	10	3	...	...	7	7	1	1	1	S18°E	...
	June 1907.																								
...	Birjand . . .	77·2	85·8	...	64·8	...	75·3	...	21·0	93·3	18th	57·8	3 days	35·	10	...	...	5	7	8	...	...	...	S38°E	...
	August 1907.																								
...	Birjand (b) . . .	78·7	87·6	...	67·6	...	77·6	...	20·0	95·5	2nd	60·6	16th	34·9	1	...	19	2	2	3	...	...	...	N62°E	...
...	D'thala . . .	75·2	88·8	...	56·8	...	72·8	...	32·0	93·9	2nd	50·1	22nd	43·8	...	8	12	1	2	1	4	2	1	N23°E	...
	ptember 1907.																								
...	Birjand (d) . . .	76·1	85·9	...	59·3	...	72·6	...	26·6	90·8	15th	49·2	5th	41·6	4	...	16	5	2	...	...	...	1	N57°E	...

(a) Observations of 30 days.
(b) „ „ 27 „
(d) „ „ 28 „

Wind velocity.			Wind steadiness.		Hygrometry, 8 hrs.				Cloud.		Rainfall.										
Mean velocity, miles per hour.	Normal.	Percentage departure from normal.	Actual percentage.	Departure from normal.	Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Mean cloud amount at 8 hrs.	Departure from normal.	Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Actual rainfall.	Normal rainfall.	Departure from normal.	Heaviest rainfall during month.	Station.
27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
																					April 1907.
10·2	...	...	17	...	43	...	·244	...	3·8	...	4	...	...	0·96	...	...	0·96*	...	...	0·25	Birjand.
																					May 1907.
11·3	...	...	29	...	30	...	·233	...	0·9	...	0	...	...	0·07	...	...	0·07†	...	...	0·05	Birjand.
																					June 1907.
11·1	...	...	53	...	25	...	·242	...	0·3	...	0	...	...	0	...	...	0·07‡	...	...	0	Birjand.
																					August 1907.
11·1	...	...	61	...	29	...	·286	...	0	...	0	...	...	0	...	...	0·07††	...	...	0	Birjand.
10·7	...	...	42	...	63	...	·551	...	0	...	15	...	...	7·17	...	...	†† 11·22	...	...	1·31	D'thala.
																					September 1907.
10·4	...	...	71	...	(c) 28	...	(c) ·254	...	0	...	0	...	...	0	...	...	0·07§	...	...	0	Birjand.

* Total rainfall since 1st April 1907.
† Total rainfall from 1st to 31st May 1907.
‡ Do. „ 1st May to 30th June 1907.
†† Do. „ 1st May to 31st August 1907.
§ Do. „ 1st May to 30th September 1907.
(c) Mean of 26 days.

Corrigenda in India Monthly Weather Reviews for the year 1907.

TEXT.

Page.	Column.	Part.	Correction.
8	1	January 1907 .	*For* " 34·7 " *read* " 8-34·7 " against 12th in the figure column 1 of the 1st tabular statement.
7	...	Ditto .	*Insert* " +0·1 " against Orissa in the figure column 6 of the tabular statement.
9	1	Ditto .	*For* " giving " *read* " given " in line 2, paragraph 13, under " Humidity and cloud."
11	...	Ditto .	*For* " 0, 0·01, —0·25 and —96 " *read* " 0·1, 0·02, —0·24 and —92 " respectively, against Orissa in the figure columns 1, 3, 5 and 6 of the tabular statement.
11	...	Ditto .	*For* " 0·09, —0·42 and —82 " *read* " 0·11, —0·40 and —78 " respectively, against Chota Nagpur in the figure columns 3, 5 and 6 of the tabular statement.
11	...	Ditto .	*For* " 0·6, 0·15, 0·23, —0·08 and —35 " *read* " 0·7, 0·19, 0·25, —0·06 and —24 " respectively, against Central India West in the figure columns 1, 3, 4, 5 and 6 of the tabular statement.
12	...	Ditto .	*For* " 0·17, — 0·29 and —63 " *read* " 0·19, —0·27 and — 59 " respectively, against Central India in the figure columns 1, 3 and 4 of the 1st tabular statement.
12	...	Ditto .	*For* " ysore " *read* " Mysore " of the 1st tabular statement.
Title page ii	...	February 1907 .	*For* " or " *read* " for " in footnote, last line.
"	...	Ditto .	*For* " same " *read* " some " in 2nd column, 10th line.
21	...	Ditto .	*For* " Mer-cue " *read* " Mercury " in the figure column 3 of the Hygrometry; 8 hours of the 1st tabular statement.
21	...	Ditto .	*For* " 0·03, —0·16 and —84 " *read* " 0·08, —0·11 and —58 " respectively, against Lower Burma in the figure columns 3, 5 and 6 of the 2nd tabular statement.
21	...	Ditto .	*For* " 4·4, 2·36, + 1·81 and + 3·29 " *read* " 4·2, 2·24, + 1·69 and + 307, respectively, against Bihar of the 2nd tabular statement.
22	...	Ditto .	*For* " 1·3, 0·67, 0·29, + 0·38 and + 131 " *read* " 1·6, 0·84, 0·30, + 0·54 and + 180 " respectively, against Central India, West in the figure columns 1, 3, 4, 5 and 6 of the 1st tabular statement.
22	...	Ditto .	*For* " 6·9, 1·3, 4·69, 0·62, + 4·07 and + 656 " *read* " 6·8, 1·4, 4·19, 0·64, + 3·55 and + 556 " respectively against Central India, East in the figure columns 1, 2, 3, 4, 5 and 6 of the 1st tabular statement.
22	...	Ditto .	*For* " 0·04, — 0·14 and —78 " *read* " 0·06 — 0·12 and — 67 " respectively against Burma in the figure columns 1, 3 and 4 of the 2nd tabular statement.
22	...	Ditto .	*For* " 1·50, 0·35, + 1·15 and + 329 " *read* " 1·70, 0·38, + 1·32 and + 347 " respectively against Central India in the figure columns 1, 2, 3 and 4 of the 2nd tabular statement.
22	...	Ditto .	*For* " 1·30, + 0·83 and + 177 " *read* " 1·31, + 0·84 and + 179 " respectively against mean of India when the size of the above areas is taken into account, in the figure columns 1, 3 and 4 of the 2nd tabular statement.
33	...	March 1907 .	*For* " —0 " *read* "—0·7 " against Hyderabad in the figure column 3 of the 1st tabular statement.
35	...	Ditto .	*For* " 0·04, 0·11, — 0·07 and — 64 " *read* " 0·06, 0·12, — 0·06 and — 50 " respectively against Central India, West in the figure columns 3, 4, 5 and 6 of the 1st tabular statement.
35	...	Ditto .	*For* " 2·65, + 1·88 and + 244 " *read* " 2·56, + 1·79 and + 232 " respectively against Bengal in the figure columns 1, 3 and 4 of the 2nd tabular statement.

Corrigenda in India Monthly Weather Reviews for the year 1907—*contd.*

TEXT.

Page.	Column.	Part.	Correction.
35	...	March 1907 .	*For* " 0·18, — 0·08 and — 44 " *read* " 0·17, — 0·07 and — 41 " respectively against Central India in the figure columns 2, 3 and 4 of the 2nd tabular statement.
4	2	April 1907 .	*For* " 17th and 18th April " *read* " 18th and 19th April " respectively in line 1 and 2 of the 1st tabular statement under column " date 1907."
41	...	Ditto .	*For* " + 3·46, — 6·56 and — 1·62 " *read* " + 3·60, — 6·91 and — 2·10 " respectively against Rainfall Departure in the figure columns 1, 2 and 3 of the 4th tabular statement.
53	...	May 1907 .	*For* " + 1·03, 2·85 and — 1·23 " *read* " + 1·07, 3·04 and — 1·16 " respectively against Rainfall Departure in the figure columns 1, 2 and 3 of the 4th tabular statement.
55	...	Ditto .	*For* " 4·4 " *read* " — 4·4 " against Punjab East and North in the figure column 6 of the 2nd tabular statement.
58	...	Ditto .	*For* " 0·45, + 0·01 and + 2 " *read* " 0·48, + 0·04 and + 9 " respectively against Rajputana East in the figure columns 3, 5 and 6 of the tabular statement.
59	...	Ditto .	*For* " 0·40 — 0·01 and — 2 " *read* " 0·42, + 0·01 and 2 " respectively against Rajputana in the figure columns 1, 2 and 3 of the 1st tabular statement.
63	...	June 1907 .	*For* " — 0·85 and — 5·10 " *read* " — 1·00 and — 5·03 " respectively against Rainfall Departure in the figure columns 2 and 3 of the 4th tabular statement.
65	...	Ditto .	*For* " ·023 " *read* " + ·023 " against Mount Abu of the 2nd tabular statement.
68	...	Ditto .	*For* " 6·45, — 0·43 and — 6 " *read* " 6·54, — 0·34 and — 5 " respectively against Central Provinces in the figure columns 1, 3 and 4 of the 1st tabular statement.
69	...	Ditto .	*For* " 1·18, + 0·88 and + 293 " *read* " 1·20, + 0·90 and + 300 " respectively against Baluchistan in the figure columns 3, 5 and 6 of the tabular statement.
69	...	Ditto .	*For* " 4·97, — 2·30 and — 32 " *read* " 4·99, — 2·28 and — 31 " respectively against Central Provinces, West in the figure columns 3, 5 and 6 of the tabular statement.
69	...	Ditto .	*For* " 10·0, 8·93, + 0·47 and + 6 " *read* " 10·3 9·31, + 0·85 and + 10 " respectively against Central Provinces, East in the figure columns 1, 3, 5 and 6 of the tabular statement.
78	...	July 1907 .	*Insert* " + 2·6 " against Sind in the figure column 3 of the 1st tabular statement.
80	...	Ditto .	*For* " 0·9, 1·5, 0·42, 0·87 and — 52 " *read* " 1·0, 1·6, 0·43, 0·88 and — 51 " respectively against Baluchistan in the figure columns 1, 2, 3, 4 and 6 of the tabular statement.
80	...	Ditto .	*For* " 10·69, — 5·97 and — 36 " *read* " 10·89, — 5·77 and — 35 " respectively against Central Provinces, East in the figure columns 3, 5 and 6 of the tabular statement.
83	1	August 1907 .	*For* " at 34 stations " *read* " at 38 stations " in paragraph 1, line 4, under Introduction.
89	...	Ditto .	*For* " — ·001 " *read* " + ·098 " against Sind in the figure column 4 of the 1st tabular statement.
89	...	Ditto .	*For* " 6·5, 4·35, + 0·46 and + 12 " *read* " 6·3, 4·43, + 0·54 and + 14 " respectively against Kashmir in the figure columns 1, 3, 5 and 6 of the 2nd tabular statement.

Corrigenda in India Monthly Weather Reviews for the year 1907—*concld.*

TEXT.

Page.	Column.	Part.	Correction.
89	...	August 1907 .	*For* "2·7, 1·91, 0·81, + 1·10 and +136" *read* "2·6, 1·83, 0·83, + 1·00 and + 120" respectively against Baluchistan in the figure columns 1, 3, 4, 5 and 6 of the 2nd tabular statement.
89	...	Ditto .	*For* "10·5, 10·89, + 7·57 and + 228" *read* "10·3, 10·82, + 7·50 and + 226" respectively against Rajputana West in the figure columns 1, 3, 5 and 6 of the 2nd tabular statement.
89	...	Ditto .	*For* "12·52, + 5·04 and + 67" *read* "12·67, + 5·19 and + 69" respectively against Rajputana East in the figure columns 3, 5 and 6 of the 2nd tabular statement.
90	...	Ditto .	*For* "12·09, + 5·29 and + 44" *read* "12·02, + 5·36 and + 45" respectively against Central Provinces, West in the figure columns 4, 5 and 6 of the 1st tabular statement.
90	...	Ditto .	*For* "13·96, 10·39, + 3·57 and + 34" *read* "13·99, 10·36, + 3·63 and 35" respectively against Central Provinces in the figure columns 1, 2, 3 and 4 of the 2nd tabular statement.
105	...	October 1907 .	*For* "Deel" *read* "Decl" in third column of the 2nd tabular statement.
			For "1·2, 0·51 and — 0·51" *read* "1·1, 0·50 and — 0·50" respectively against Baluchistan in the figure columns 2, 4 and 5 of the 1st tabular statement.
120	...	November 1907 .	*For* "0·63, + 0·05 and + 9" *read* "0·66, + 0·08 and + 14" respectively against Berar in the figure columns 3, 5 and 6 of the 1st tabular statement.
127	...	December 1907 .	*For* "69·0, 77·3, 16·8 and 28·9" *read* "69·1, 77·4, 16·6 and 28·8" respectively against Madras Southeast in the figure columns 2, 3, 4 and 5 of the 1st tabular statement.

Corrigenda in the India Monthly Weather Reviews for the year 1907.

Tables A, B and C.

Page.	Part.	Table.	Meteorological Province or Station.	Heading.	Column No.	Correction.
ii	January 1907	A	Pudukkottai	Temperature of air	11, 12, 14, 15 and 18.	*For* "67·5, 18·9, 60·6, 29·3 and 77·0" *read* "68·6, 17·8, 61·7, 28·2 and 77·5" respectively.
iv	Do	A	Minicoy	Pressure	9	*For* "29·989" *read* "29·898."
vii	Do	B	Punjab	Hygrometry	13	*For* "+4" *read* "+4".
vii	Do	B	Central India	Rainfall	18 and 20	*For* "0·17 and —0·29" *read* "0·19 and —0·27" respectively.
viii	Do	B	Chittagong	Pressure	7	*For* "30·023" *read* "30·025".
x	Do	B	Jalpaiguri	Do	7	*For* "29·857" *read* "29·851".
x	Do	B	Do	Temperature of air	15	*For* "58·5" *read* "53·5".
x	Do	B	Burdwan	Do	13	*For* "80·0" *read* "80·8".
x	Do	B	Balasore	Do	24	*For* "43·0" *read* "43·9".
x	Do	B	Cuttack	Pressure	5	*For* "—·022" *read* "—·029".
x	Do	B	Hazaribagh	Temperature of air	22	*For* "45·5" *read* "45·2".
x	Do	B	Purnea	Pressure	5 and 6	*For* "—·032 and 30·010" *read* "—·034 and 30·008" respectively.
x	Do	B	Gaya	Temperature of air	22	*For* "46·4" *read* "46·2".
xi	Do	B	United Provinces of Agra and Oudh.	Division	.....	*For* "unified" *read* "limited".
xii	Do	B	Multan	Temperature of air	18 and 24	*For* "+4·0 and 1·3" *read* "+4·9 and 41·3" respectively.
xii	Do	B	Jaipur	Number of Sub-division	1	*Insert* "19".
xiii	Do	B	Sialkot	Wind direction	32	*Insert* "2".
xiii	Do	B	Montgomery	Rainfall	51	*For* "0·8" *read* "0·84".
xiv	Do	B	Mormugao	Elevation	3	*Read* "60" in italics.
xiv	Do	B	Poona	Pressure	4	*For* "28·158" *read* "28·188".
xiv	Do	B	Central Provinces	Division	2	*For* "IX" *read* "XI".
xiv	Do	B	Saugor	Pressure	7	*For* "28·380" *read* "28·330".
xv	Do	B	Sutna	Station	57	*For* "Sutaa" *read* "Sutna".
xv	Do	B	Central Provinces	Division	57	*For* "IX" *read* "XI".
xv	Do	B	Bidar	Elevation	3	*For* "8,764" *read* "2·165".
xvi	Do	B	Raichur	Do	3	*For* "5,486" *read* "1,311".
xvi	Do	B	Calicut	Pressure	11	*For* "·03" *read* "·093".
xvi	Do	B	Cochin	Elevation	3	*For* "10" *read* "9".
xvi	Do	B	Pudukkottai	Temperature of air	15, 17, 19, 22 and 24.	*For* "67·5, 76·9, 18·8, 60·6 and 29·3" *read* "68·6, 77·5, 17·7, 61·7 and 28·2", respectively.
xvi	Do	B	Nellore	Number of Sub-division	1	*For* "33" *read* "34".
xvi	Do	B	Do	Elevation	3	*For* "52" *read* "61".
xvii	Do	B	Hassan	Wind direction	31	*Omit* "5".

Corrigenda in the India Monthly Weather Reviews for the year 1907—*contd.*

TABLES A, B AND C.

Page.	Part.	Table.	Meteorological Province or Station.	Heading.	Column No.	Correction.
xvii	January 1907 .	B	Madura . . .	Rainfall . . .	51 and 52	*For* "0·26 and −0·26" *read* "0·24 and −0·24" respectively.
xviii	Do . . .	B	Sonemarg . . .	Temperature of air .	15	*For* "20·1" *read* "21·1".
xviii	Do . . .	B	Dras . . .	Do .	22	*For* "24·9" *read* "−24·9".
xviii	Do . . .	B	Minimarg . . .	Do .	22	*For* "−1·0" *read* "1·0".
xviii	Do . . .	B	Astor . . .	Station . . .	2	*For* "Astor" *read* "Astor I".
xviii	Do . . .	B	Robat . . .	Pressure . . .	4, 7 and 9	*For* "27·019, 27·130 and 26·929" *read* "27·016, 27·127 and 26·926" respectively.
xviii	Do . . .	B	Parachinar . . .	Do . . .	4 and 6	*For* "24·494 and 24·481" *read* "24·495 § and 24·462 §" respectively.
xviii	Do . . .	B	Kailang . . .	Do . . .	4 and 6 to 11	Reject all the readings and insert "P".
xix	Do . . .	B	Gilgit . . .	Rainfall . . .	47	*For* "6" *read* "0".
xix	Do . . .	B	Chaman . . .	Wind direction . .	25 to 34	Reject all the readings.
xix	Do . . .	B	Do . . .	Wind steadiness . .	39 and 40	Reject all the readings.
xix	Do . . .	B	Robat . . .	Wind and Rainfall .	28 and 53	*For* "9" *read* "1" and *insert* "0·03". respectively.
xx	Do . . .	B	Gyantsi . . .	Pressure . . .	4	*For* "18·477" *read* "18·475".
xx	Do . . .	B	Gangtok . . .	Do . . .	9, 10 and 11	*For* "24·291, 28th and ·325" *read* "24·328, 27th and ·288" respectively.
xx	Do . . .	B	Kabul . . .	Do . . .	9, 10 and 11	*For* "24·132, 24th and 29th and ·367" *read* "24·050, 30th and ·449" respectively.
xx	Do . . .	B	Tehran . . .	Temperature of air .	16	*For* "−2·7" *read* "+2·7".
xx	Do . . .	B	Baghdad . . .	Do .	19	*For* "20·7" *read* "20·9".
xxi	Do . . .	B	Gangtok . . .	Rainfall . . .	53	*Insert* "1·23".
xxi	Do . . .	B	Bushire . . .	Cloud . .	46	*For* "40·7" *read* "+0·7".
xxi	Do . . .	B	Zanzibar (Dunga) .	Wind Velocity . .	36	*For* "9·0" *read* "P".
xxi	Do . . .	B	Do . .	Humidity . . .	41	*Insert* "90".
xxv	Do . . .	C	Tura	Cloud . . .	36	*Insert* "2·4".
xxviii	February 1907 .	A	Pudukkottai . .	Temperature of air .	11, 12, 14, 15 and 18	*For* "68·5, 23·0, 64·0, 31·8 and 80·0" *read* "69·6, 21·9, 65·1, 30·7 and 80·6", respectively.
xxxi	Do . . .	A	Zanzibar . . .	Wind direction . .	47	*For* "50°E" *read* "N50°E".
xxxi	Do . . .	A	.....	.....	.....	*For* page mark "XXX", *read* "XXXI".
xxxiii	Do . . .	A	Burma . . .	Rainfall . . .	18 and 20	*For* "0·04 and −0·14" *read* "0·06 and −0·12" respectively.
xxxiii	Do . . .	A	Central India . .	Do . . .	18, 19 and 20	*For* "1·50, 0·35 and +1·15" *read* "1·70, 0·38 and +1·32" respectively.
xxxiv	Do . . .	A	Yamethin . . .	Elevation . . .	3	*For* "257" *read* "657".
xxxiv	Do . . .	B	Rampur Boalia . .	Pressure . . .	6	*For* "29·89" *read* "29·996".
xxxv	Do . . .	B	Chittagong . . .	Rainfall . . .	48 and 49	*For* "1·29 and +0·11" *read* "1·39 and +0·61" respectively.
xxxv	Do . . .	B	Rampur Boalia . .	Do . . .	49	*For* "−1·65" *read* "+1·65".
xxxv	Do . . .	B	Dinajpur . . .	Do . . .	49	*For* "—0·3" *read* "−0·39".

Corrigenda in the India Monthly Weather Reviews for the year 1907—*contd.*

TABLES A, B AND C.

Page.	Part.	Table.	Meteorological Province or Station.	Heading.	Column No.	Correction.
xxxv	February 1907	B	Rangpur	Rainfall	56	*For* "0·23" *read* "0·03".
xxxvi	Do	B	Sambalpur	Temperature of air	12	*For* "67·+" *read* "67·1".
xxxvi	Do	B	Chaibassa	Do	15	*For* "0·0" *read* "60·0".
xxxvi	Do	B	Ranchi	Do.	12	*For* "9." *read* "59·0".
xxxvi	Do	B	Purnea	Pressure	5 and 6	*For* "+·026 and 29·996" *read* "+·024 and 29·994", respectively.
xxxvi	Do	B	Motihari	Temperature of air	12	*Insert* 55·8.
xxxvi	Do	B	Arrah	Do	12	*For* "·4" *read* "59·4".
xxxvi	Do	B	Buxar	Do	12	*For* "9·9" *read* "59·9".
xxxvi	Do	B	Lehri	Do	12	*Insert* "62·7".
xxxvii	Do	B	Saugor Island	Wind velocity	36	*For* "8+" *read* "8·5+"
xxxvii	Do	B	Jessore	Do	36	*For* "8" *read* "0·8".
xxxvii	Do	B	Krishnagar	Do	36	*For* "·51" *read* "1·5".
xxxvii	Do	B	Sambalpur	Rainfall	47	*Insert* "3".
xxxvii	Do	B	Chaibassa	Wind velocity	37	*Insert* "1·5".
xxxvii	Do	B	Hazaribagh	Rainfall	51 and 52	*For* "0·76 and + 3·86" *read* "0·75 and +3·87", respectively.
xxxix	Do	B	Dera Ismail Khan	Rainfall	51 and 52	*For* "0·77 and +0·45" *read* "0·79 and +0·43", respectively.
xxxix	Do	B	Pachpadra	Do	49	*For* "+4·65" *read* "+4·70".
xl	Do	B	Neemuch	Temperature of air	15	*For* "53." *read* "53·1".
xl	Do	B	Jubbulpore	Pressure	11	*For* "·244" *read* "·214".
xli	Do	B	Rajkot	Wind velocity	36	*Insert* "5·7".
xli	Do	B	Bombay	Do	37	*For* "1·4" *read* "10·4:".
xlii	Do	B	Pudukkottai	Temperature of air	15, 17, 19, 22 and 24.	*For* "69·5, 79·9, 22·8, 64·0 and 31·8" read "69·6, 80·5, 21·7, 65·1, and 30·7," respectively.
lii	Do	B	Cocanada	Pressure	7	*For* "29·069" *read* "30·069".
xlii	Do	B	Waltair (Vizagapatam)	Temperature of air	13	*For* "8·27" *read* "82·7".
xliii	Do	B	Aurangabad	Rainfall	51 and 52	*For* "0·11 and + 0·16" *read* "0·17 and + 0·10" respectively.
xliii	Do	B	Nizamabad	Rainfall	51 and 52	*For* "0·13 and +0·35" *read* "0·42 and +0·06" respectively.
xliii	Do	B	Coimbatore	Rainfall	51	*For* "·046" *read* "0·46".
xliii	Do	B	Calingapatam	Wind direction	30	*Insert* "3".
xliv	Do	B	Minimarg	Station	2	*Insert* "X mean of 26 days".
xliv	Do	B	Astor	Do.	2	*Insert* "* mean of 27 days".
xliv	Do	B	Kailang	Pressure	4, 6, 7, 8, 9 10 and 11.	Reject all the readings and insert "p".

Corrigenda in the India Monthly Weather Reviews for the year 1907—*contd.*

Tables A, B and C.

Page.	Part.	Table.	Meteorological division or station.	Heading.	Column No.	Correction.
xlv	February 1907 .	B	P. V. Fraser . .	Rainfall . . .	50	*For* " 0·29 " *read* " 0·21 ".
xlv	Do . . .	B	Chaman . . .	Wind direction . .	25 to 30	Reject all the readings.
xlv	Do . . .	B	Do.	Wind steadiness . .	34 and 40	Reject all the readings.
xlv	Do . . .	B	Robat	Rainfall . . .	53	*Insert* " 1·23 ".
xlvi	Do . . .	B	Gyantsi . . .	Pressure . . .	4	*For* " 18·412 " *read* " 18·416 II ".
xlvi	Do . . .	B	.....	.....	.....	*Insert* footnote " 1 I mean of 24 days ".
xlvi	Do . . .	B	Kabul	Pressure . . .	4	*For* " 24·270 " *read* " 24·2645 ".
xlvii	Do . . .	B	Ispahan . . .	Rainfall . . .	47	*For* " 1 " *read* " 4 ".
xlvii	Do . . .	B	Tehran . . .	Do . . .	51, 52 and 55	*Insert* " 0·82, + 1·42, 3·48 and 1·74 " respectively.
l	Do . . .	C	Kurseong . . .	Temperature of air .	15	*For* " 60·0 " *read* " 40·0 ".
li	Do . . .	C	Fraserganj . . .	Rainfall . . .	44	*Insert* " 0·57 ".
liv	March 1907 .	A	Pudukkottai . .	Temperature of air .	11, 12, 14, 15 and 18	*For* " 73·5, 22·9, 65·2, 35·7 and 85·0 " *read* " 74·2, 22·2, 66·2, 34·7 and 85·3, " respectively.
lv	Do . . .	A	Rangoon . . .	Rainfall . . .	53 and 54	*For* " 4·46 and 2·32 " *read* " 3·34 and 1·44 " respectively.
lvi	Do . . .	A	Chikalda . . .	Temperature of air .	11	*For* " 42·4 " *read* " 62·4 ".
lix	Do . . .	B	Bengal . . .	Rainfall . . .	18 and 20	*For* " 2·65 and + 1·88 " *read* " 2·56 and + 1·79 " respectively.
lix	Do . . .	B	Central India . .	Do	19 and 20	*For* " 0·18 and —0·08 " *read* " 0·17 and —0·07 " respectively.
lxii	Do . . .	B	Bankura . . .	Temperature of air .	24	*For* " 36·6 " *read* " 36·0 ".
lxii	Do . . .	B	Bhagalpur . . .	Pressure . . .	4	*For* " 29·317 " *read* " 29·817 ".
lxii	Do . . .	B	Purnea . . .	Do	5 and 6	*For* " +0·70 and 29·933 " *read* " +0·68 and 29·931, " respectively.
lxiii	Do . . .	B	Daltonganj . .	Rainfall . . .	50	*For* " 1·35 " *read* " 1·33 ".
lxv	Do . . .	B	Rawalpindi . . .	Do . . .	49	*For* " +3·80 " *read* " +4·80 ".
lxv	Do . . .	B	Montgomery . .	Do . . .	49	*For* " +0·80 " *read* " 1·80 ".
lxviii	Do . . .	B	Pudukkottai . .	Temperature of air .	15, 17, 19, 22 and 24	*For* " 73·5, 84·9, 22·8, 65·2 and 35·7 " *read* " 74·2, 85·3, 22·1, 65·9, and 35·0, " respectively.
lxix	Do . . .	B	Periyakulam . .	Wind velocity .	36	*For* " 8·1 " *read* " 3·4 ".
lxix	Do . . .	B	Do . . .	Rainfal . . .	56	*For* " 1·35 " *read* " 2·27 ".
lxix	Do . . .	B	Pudukkottai . .	Wind velocity . .	36	*Insert* " 8·8? ".
lxx	Do. . . .	B	Parachinar . . .	Temperature of air .	24	*For* " 33·9 " *read* " 34·9 ".
lxx	Do. . . .	B	Kailang . . .	Pressur .	6	*For* " 20·929 †† " *read* " 20·933 †† ".

Corrigenda in the India Monthly Weather Reviews for the year 1907—*contd.*

TABLES A, B AND C.

Page.	Part.	Table.	Meteorological Province or Station.	Heading.	Column No.	Correction.
lxxi	March 1907 .	B	Chaman . . .	Wind direction .	25 to 34	Reject all the readings.
lxxi	Do . . .	B	Do . . .	Wind steadiness .	39 and 40	Reject all the readings.
lxxi	Do . . .	B	Para Chinar. . .	Wind velocity . .	36	*For* " 12·7 " *read* " 5·3 ."
lxxi	Do . . .	B	Kailang . . .	Wind Velocity and Rainfall.	36 and 53	*For* " 0·3 and 18·28 " *read* " 2·5 and 17·88 " respectively.
lxxi	Do . . .	B	Do . . .	Rainfall . . .	51, 52, 54 and 55	*Insert* " 3·38, +2·24, 10·60 and +7·26 ", respectively.
lxxii	Do . . .	B	Beirut . . .	Pressure . . .	6	*Insert* " 29·884 ."
lxxii	Do . . .	B	Do . . .	Do . . .	4 and 7 to 11	Omit.
lxxiii	Do . . .	B	Minicoy . . .	Wind velocity . .	38	*For* " +5·3 " *read* " —0·9."
lxxiii	Do . . .	B	Tehran . . .	Rainfall . . .	51, 52, 54 and 55	*Insert* " 2·80, —1·60, 6·28, and +0·14 ", respectively.
lxxiii	Do . . .	B	Zanzibar . . .	Wind direction . .	30	*For* " 1 " *read* " 4 ."
lxxvii	Do . . .	C	Fraserganj . . .	Rainfall . . .	38 and 41	*For* " 3 and 5·28 " *read* " 5 and 5·73 ", respectively.
lxxvii	Do . . .	C	Do . . .	Do . . .	44	*Insert* " 6·30 ."
lxxx	April 1907 . .	A	Pudukkottai . .	Temperature of air .	11, 12, 14, 15 and 18	*For* " 76·3, 19·6, 70·8, 30·5 and 86·1 " *read* " 76·9, 19·0, 71·4, 29·9 and 86·4 " respectively.
lxxxvii	Do . . .	B	Monywa . . .	Rainfall . . .	51 and 52	*Insert* " 0·71 and +0·36 " respectively.
lxxxvii	Do . . .	B	Dibrugarh . . .	Do . . .	Do . . .	*Insert* " 9·76 and 2·76 " respectively.
lxxxvii	Do . . .	B	Sibsagar . . .	Do . . .	51 and 52	*For* " ·50 and —2·6 " *read* " 9·50 & —2·67 " respectively.
lxxxvii	Do . . .	B	Tezpur . . .	Rainfall . . .	27, 51 and 52	*Insert* " 5,5·92 and —1·11 ", respectively.
lxxxvii	Do . . .	B	Gauhati . . .	Do . . .	51 and 52	*Insert* " 5·87 and +3·70 " respectively.
lxxxviii	Do . . .	B	Purnea . . .	Pressure . .	5 and 6	*For* " +.045 and 29·801 " *read* " +0·43 and 29·799 " respectively.
xci	Do . . .	B	Multan . . .	Rainfall . . .	52	*For* " +0·93 " *read* " +0·98."
xci	Do . . .	B	Sambhar . . .	Do . . .	52	*For* " 0·45 " *read* " + 0·45 ."
xciv	Do . . .	B	Pudukkottai . .	Temperature of air .	15, 17, 19, 22 and 24	*For* " 76·3, 86·1, 19·5, 70·8 and 30·5 " *read* " 76·9, 86·4, 18·9, 71·4 and 29·9 " respectively.
xcvi	Do . . .	B	Car Nicobar . .	Pressure . . .	4 and 6	*For* " 29·884 and 29·8361 " *read* " 29·886 and 29·838 " respectively.
xcvii	Do . . .	B	Kailang . . .	Do . . .	4	*For* " 20·99 " *read* " 20·979 ."
xcvii	Do . . .	B	Chaman . . .	Rainfall . . .	49	*For* " —0·40 " *read* " +0·40 ."
xcvi	Do . . .	B	Do . . .	Wind direction and steadiness.	25 to 34 and 39 & 40	Reject all the readings.
xcvii	Do . . .	B	Shillong . . .	Rainfall . . .	51 and 52	*Insert* " 4·29 and +1·27 " respectively.
xcvii	Do . . .	B	Cherra Poonjee . .	Do . . .	51 and 52	*Insert* " 32·92 and —5·64 " respectively.
xcvii	Do . . .	B	Maymyo . . .	Do . . .	51 and 52	*Insert* " 2·80 and —3·40 " respectively.
xcvii	Do . . .	B	Ootacamund . .	Do . . .	51, 52, 54 and 55	*Insert* " 3·46, +0·45, 6·84 and +3·60 " respectively.

Corrigenda in the India Monthly Weather Reviews for the year 1907—*contd.*

TABLES A, B AND C.

Page.	Part.	Table.	Meteorological Province or Station.	Heading.	Column No.	Correction.
xcvii	April 1907 . .	B	Kodaikanal . .	Rainfall . .	51, 53 54 and 55	*Insert* " 5·29, +0·97, 17·10 and —1·89," respectively.
xcviii	Do . . .	B	Muscat . . .	Temperature of air .	20	*For* " 12·3 " *read* " 102·3."
xcix	Do . . .	B	Pharijong . . .	Cloud . . .	45	*For* " 3· " *read* " 3·0 ."
cii	Do . . .	C	Fraserganj . . .	Wind direction . .	21 and 25	*Insert* " 30 and S " respectively.
ciii	Do . . .	C	Do . . .	Wind steadiness . .	30	*Insert* " 100. "
cvi	May 1907 . .	A	Pudukkottai . .	Temperature of air .	11, 12, 14, 15 and 18	*For* " 77·7, 23·2, 70·3, 34·5 and 893 " *read* " 78·6, 22·3, 71·2, 33·6 and 89·8 ", respectively.
cxi	Do . . .	B	Rajputana . . .	Rainfall . . .	18 and 20	*For* " 0·40 and —0·01" *read* " 0·42 and +0·01 ", respectively.
cxiv	Do . . .	B	Purnea	Pressure . . .	5 and 6	*For* " +·011 and 29·699" *read* " +·009 and 29·697" respectively.
cxv	Do . . .	B	Allahabad . . .	Rainfall . . .	51 and 52	*For* " 0·69 and —0·27 " *read* " 0·29 and —0·23 " respectively.
cxviii	Do . . .	B	Bombay . . .	Number of sub-division	1	*For* " 28 " *read* " 26 ."
cxx	Do . . .	B	Pudukkottai . .	Temperature of air .	15, 17, 19, 22 and 24	*For* " 77·8, 89·4, 23·1, 70·4 and 34·4 " *read* " 78·6, 89·8, 22·3, 71·2 and 33·6 ", respectively.
cxxii	Do . . .	B	Car Nicobar . .	Pressure . . .	4 and 6	*For* " 29·873 and 29·831" *read* "29·877 and 29·829 " respectively.
cxxii	Do . . .	B	Do . . .	Temperature of air .	12, 13, 17 and 19	*For* " 81·2, 85·7, 80·9 and 9·6 " *read* " 81·3, 85·8, 81·0 and 9·7 " respectively.
cxxii	Do . . .	B	Chitral . . .	Pressure .	4, 9, 10 and 11	*For* " 25·136, 24·960, 25th and ·330 " *read* " 25·147, 24·990, 30th and ·300, respectively.
cxxiii	Do . . .	B	Car Nicobar . .	Wind velocity and humidity.	31, 36 and 41	*For* " 21, 3·7 and 88 " *read* " 22, 3·6 and 87 " respectively.
cxxiii	Do . . .	B	Chaman . . .	Wind direction and steadiness.	25 to 34 and 39 & 40	Reject all the readings.
cxxiv	Do . . .	B	Gyantse . . .	Pressure . . .	4	*For* " 18·500 " *read* " 18·503 ."
cxxiv	Do . . .	B	Pharijong . . .	Do . . .	4, 7, 8 and 11	*For* " 17·868, 17·956, 17th and ·261 " *read* " 17·877, 17·951, 26th and ·256 " respectively.
cxxiv	Do . . .	B	Gangtok . . .	Do . . .	4, 7, 8, 9, 10 and 11	*For* " 24·403, 24·541, 10th, 24·219, 30th and ·322 " *read* " 24·392, 24·479, 14th and 21st, 24·215, 1st and ·264 " respectively.
cxxiv	Do . . .	B	Kabul . . .	Pressure . . .	4, 6, 9, 10 and 11	*For* " 24·246,†† 24·215, 24·078, 29th and ·274 " *read* " 24·243, 24·212, 24·065, 30th and ·287 " respectively.
cxxiv	Do . . .	B	Perim	Do . . .	4 to 11th	Omit the figures given in the columns.
cxxv	Do . . .	B	Minicoy . . .	Rainfall . . .	50, 52, 53 and 55	*For* " 2·95, —3·45, 2·95 and —3·45 " *read* " 3·03, —3·37, 3·03 and —3·37, " respectively.
cxxix	Do . . .	C	Fraserganj . . .	Wind steadiness . .	30	*For* " 10 " *read* " 100 ."
cxxix	Do . . .	C	Do	Rainfall . . .	47	*For* " 1·5 " *read* " 1·05 ."
cxxix	Do . . .	C	Pishin	Do . . .	43 and 45	*For* " 0·19 and —0·19 " *read* " —0·19 and 0·19, " respectively.
cxxxii	June 1907 .	A	Pudukkottai . .	Temperature of air .	11, 12, 14, 15 and 18	*For* " 77·4, 21·6, 74·7, 28·9 and 88·2 " *read* " 78·7, 20·3, 76·0, 27·6 and 88·9, " respectively.
cxxxvii	Do . . .	B	Central Provinces .	Rainfall . . .	18 and 20	*For* " 6·45 and —0·43 " *read* " 6·54 and —0·34, " respectively.

Corrigenda in the India Monthly Weather Reviews for the year 1907—*contd.*

TABLES A, B AND C.

Page.	Part.	Table.	Meteorological Province or Station.	Heading.	Column No.	Correction.
cxl	June 1907 . .	B	Purnea . . .	Pressure	5 and 6	*For* "—·004* and 29·564*" *read* "—·006* and 29·562*" respectively.
cxlii	Do. . .	B	Jhansi . . .	Elevation . . .	3	*For* "858" *read* "835".
cxlv	Do. . .	B	Seoni . . .	Rainfall . . .	5	*For* "10·3" *read* "10·63".
cxlvi	Do. . .	B	Pudukkottai . .	Temperature of air .	15, 17, 19, 2 and 24.	*For* "77·4, 88·2, 21·6, 74·7 and 28·9" *read* "78·7, 88·9, 20·3, 76·0 and 27·6," respectively.
cxlix	Do. . .	B	Slipper Island . .	Rainfall . . .	50 and 53	*For* "7·38 and 9·68" *read* "6·48 and 10·78" respectively.
cxlix	Do. . .	B	Chaman . . .	Wind direction . .	25 to 30	Reject all the readings.
cxlix	Do. . .	B	Do. . . .	Wind Steadiness. .	39 and 40	Ditto.
clviii	July 1907 . .	A	Udaipur . . .	Pressure . . .	5	*For* "27·64" *read* "27·640".
clviii	Do. . .	A	Mysore . . .	Temperature of air .	13 and 14	*For* "69·8 and 85·8" *read* "89·8 and 65·8" respectively.
clviii	Do. . .	A	Pudukkottai . .	Do. .	11, 12, 14, 15 and 18.	*For* "77·2, 19·5, 73·9, 26·1 and 86·9" *read* "78·2, 18·5, 75·5, 24·5 and 87·5," respectively.
clviii	Do. . .	A	Leh	Do. .	16	*For* "62·" *read* "62·8".
clix	Do. . .	A	Jaipur . . .	Rainfall . . .	53 and 54	*For* "0·35 and 0·26" *read* "5·49 and 3·43" respectively.
clix	Do. . .	A	Buldana . . .	Do. . . .	53	*For* "7·6" *read* "7·61".
clix	Do. . .	A	Pudukkottai . .	Vapour . . .	27	*For* "·724" *read* "·690".
clxi	Do. . .	A	Pachmarhi . .	Cloud . . .	35	*For* "7·" *read* "7·2".
clxiii	Do. . .	B	Central Provinces .	Rainfall . . .	18 and 20	*For* 9·25 and —3·70" *read* "9·31 and —3·64," respectively.
clxvi	Do. . .		Puri	Temperature of air .	12	*For* 88·5" *read* "83·5".
clxvi	Do. . .	B	Purnea . . .	Pressure . . .	5 and 6	*For* "—·008 and 29·540" *read* "—·010 and 29·538," respectively.
clxviii	Do. . .	B	Jhansi . . .	Elevation . . .	3	*For* "859" *read* "835".
clxxi	Do. . .	B	.....	Rainfall . . .	55	*For* "July 1907" *read* "31st July 1907.".
clxxii	Do. . .	B	Pudukkottai . .	Temperature of air .	15, 17, 19, 22 and 24.	*For* 77·2, 87·0, 19·5, 73·9 and 26·1" *read* "78·2, 87·5, 18·5, 74·9 and 25·1" respectively.
clxxv	Do. . .	B	Chaman . . .	Wind direction . .	25 to 34	Reject all the readings.
clxxv	Do. .	B	Do. . . .	Wind steadiness .	39 and 40	Reject all the readings.
clxxxiii to clxxxviii	August 1907 .	A	.....	.....	.....	*For* "37 stations" *read* "38 stations" in headings of Table A.
clxxxiv	Do. .	A	Pudukkottai . .	Temperature of air .	11, 12, 14, 15 and 18.	*For* "76·3, 19·7, 70·8, 28·5 and 86·2" *read* "76·8, 19·2, 71·3, 28·0 and 86·4 respectively.
clxxxv	Do. .	A	Allahabad . . .	Cloud . . .	34	*For* "7·8" *read* "7·7".
clxxxix	Do. .	B	Sind	Hygrometry . .	15	*For* "—·001" *read* "+·098".
Do.	Do. .	B	Rajputana . . .	Rainfall . . .	18 and 20	*For* "12·10 and + 5·74" *read* "12·07 and + 5·71" respectively.
Do.	Do. .	B	Central Provinces .	Rainfall . . .	18, 19 and 20	*For* "13·96, 10·39 and + 3·57" *read* 13·99, 10·36 and + 3·63" respectively.

Corrigenda in the India Monthly Weather Reviews for the year 1907—*concld.*

TABLES A, B AND C.

Page.	Part.	Table.	Meteorological Province or Station.	Heading.	Column.	Correction.
cxci	August 1907	B	Moulmein	Rainfall	51	For " ·63 " *read* " 40·63 ".
cxcii	Do.	B	Chaibassa	Elevation	3	*For* " 760 " *read* " 733 ".
cxcviii	Do.	B	Pudukkottai	Temperature of air	15, 17, 19, 22 and 24.	*For* " 76·3, 86·2, 19·9, 70·8 and 29·9 " *read* " 76·8, 86·5, 19·4, 71·3 and 28·7 ", respectively.
cci	Do.	B	Chaman	Wind direction	25 to 34	Reject all the readings.
cci	Do.	B	Do	Wind steadiness	39 and 40	Reject all the readings.
cciii	Do.	B	Pachmarhi	Rainfall	53 and 55	*For* " 49·22 and —7·99 ", *read* " 51·29 and —5·92 " respectively.
ccvii	Do.	C	.....	.....	.....	*For* page mark " ccvf " *read* " ccvii ".
ccvii	Do.	C	Tura	Cloud	36	Insert " 6·6 ".
ccx	September 1907	A	Pudukkottai	Temperature of air	11, 12, 14, 15 and 18.	*For* " 76·9, 20·9, 72·8, 28·9 and 87·4 " *read* " 77·6, 20·2, 73·5, 28·2 and 87·7 " respectively.
ccxviii	Do.	B	Chaibassa	Elevation	3	*For* " 760 " *read* " 733 ".
ccxxvi	Do.	B	Pudukkottai	Temperature of air	15, 17, 19, 22 and 24.	*For* " 76·9, 87·3, 20·7, 72·8 and 28·9 " *read* " 77·6, 87·6, 20·0, 73·5 and 28·2 " respectively.
ccxlviii	October 1907	B	Chaibassa	Elevation	3	*For* " 760 " *read* " 733 ".
ccliv	Do.	B	Periyakulam	.....	.....	Omit the whole observations.
ccliv	Do.	B	Pudukkottai	Temperature of air	15, 17, 19, 22 and 24.	*For* " 74·6, 82·4, 15·5, 70·7 and 27·6 " *read* " 75·5, 82·8, 14·6, 71·6, and 26·7 " respectively.
cclvii	Do.	B	Chaman	Wind direction	25 to 34	Reject all the readings.
cclvii	Do.	B	Do.	Wind steadines	39 and 40	Reject all the readings.
cclxiii	Do.	C	Birjand	Cloud	36	*For* " 1 " *read* " 1·2 ".
cclxxiv	November 1907	B	Chaibassa	Elevation		*For* " 760 " *read* " 733 ".
cclxxx	Do.	B	Periyakulam	.....	.....	Omit the whole observations.
cclxxx	Do.	B	Pudukkottai	Temperature of air	15, 17, 19, 22 and 24.	*For* " 71·5, 78·7, 14·4, 68·9 and 22·7 " *read* " 72·6, 79·3, 13·3, 70·0 and 21·6 " respectively.
cclxxxiii	Do.	B	Chaman	Wind direction	25 to 34	Reject all the readings.
cclxxxiii	Do.	B	Do	Wind steadiness	39 and 40	Reject all the readings.
ccxciii	December 1907	A	Dehra Dun	Rainfall	53 and 54	*For* " 0 and 0 " *read* " 0·10 and 0·10 ".
cccvi	Do.	B	Hassan	Pressure	6	*For* " 30·071 ? " *read* " 30·009 ".
cccvi	Do.	B	Periyakulam	.....	.....	Omit the whole observations.
cccvi	Do.	B	Pudukkottai	Temperature of air	15, 17, 19, 22 and 24.	*For* " 68·1, 77·4, 18·5, 61·9, and 31·7 " *read* " 69·4, 78·0, 17·2, 63·2 and 30·4 " respectively.

G. C. B. Press, Simla.—No. 361 M. R. I.—18-11-08.—405.—N. C.

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

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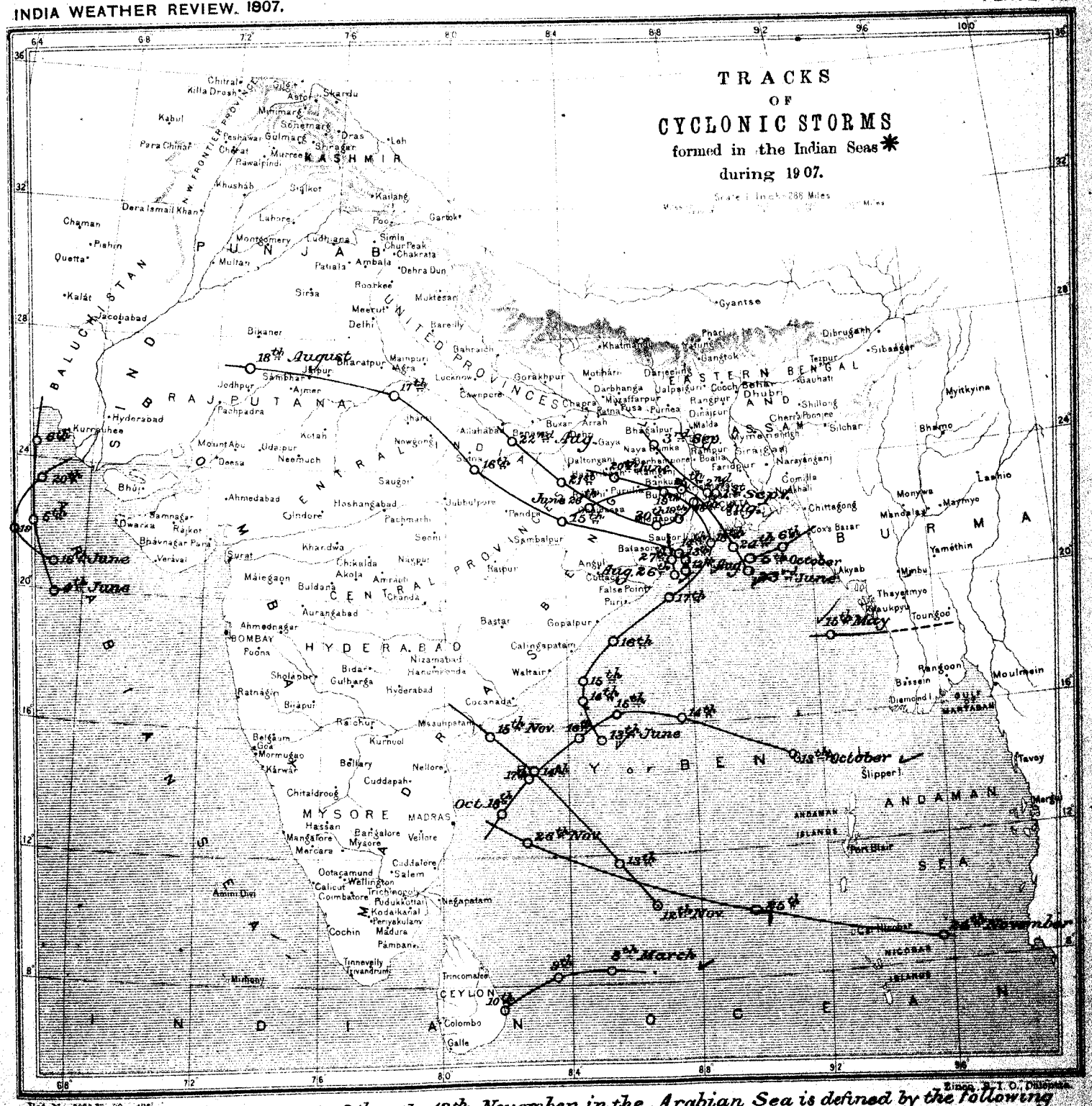

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Reg. No 2030 F. 08—420.

The track of the storm of the 9th to the 13th November in the Arabian Sea is defined by the following positions which lie outside the boundaries of the map:—

	Lat. N.	Long. E.
9th November	12½°	62°
10th ,,	13½°	58½°
11th ,,	14½°	58°
12th ,,	15½°	58½°
13th ,,	16½°	59°

* *The storms of August 18th to 22nd, and September 1st to 3rd were formed over land.*

GOVERNMENT OF INDIA.

METEOROLOGICAL DEPARTMENT.

MONTHLY WEATHER REVIEW,

JANUARY, 1907.

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MONTHLY WEATHER REVIEW

FEBRUARY, 1907

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MARCH, 1907

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MAY, 1907

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METEOROLOGICAL DEPARTMENT

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METEOROLOGICAL DEPARTMENT.

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METEOROLOGICAL DEPARTMENT

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METEOROLOGICAL DEPARTMENT.

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METEOROLOGICAL DEPARTMENT.

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