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ANNUAL SUMMARY, 1904.

INTRODUCTION.

The present annual summary completes the discussion of the meteorology of India for the year 1904.

It should be noted that in the monthly reviews an attempt is made to present the facts and data from two different points of view. Meteorological data in India are chiefly utilized for the following purposes:—

1st.—In the discussion of the prevalence and spread of diseases, more especially of cholera and other diseases of an epidemic character.

2nd.—In connection with agricultural questions, and especially with the progress and character of the crops as influenced by the weather conditions of the period.

India has hence been divided into two groups of divisions from what may be termed the medical and agricultural stand-points. For the comparison of medical and meteorological statistics, India is arranged into the following provinces, which are believed to be fairly homogeneous so far as the conditions of the prevalence of the more common diseases are concerned:—

(1) Burma Coast and Bay Islands.
(2) Burma Inland.
(3) Assam.
(4) Bengal and Orissa.
(5) Gangetic Plain and Chota Nagpur.
(6) Upper Sub-Himalayas, including the west sub-montane district of the United Provinces and the sub-montane districts of the Punjab and the meteorological divisions of the South-East, South and Central Punjab.
(7) Indus Valley and North-West Rajputana.
(8) East Rajputana, Central India and Gujarat.
(9) Deccan.
(10) West Coast.
(11) South India.

The data for each of these divisions are given in Table I in large figures, and the portion of each monthly review, entitled "Summary of the chief features of the weather in India during the month" is intended to give a sketch of the broader and more important features of the weather in India for the use of those who study the relations between the prevalence of diseases and the weather conditions prevailing at the time in India.

According to the second method of arrangement, India is divided, from the agricultural stand-point, into 57 meteorological districts or divisions each of which is fairly homogeneous so far as the distribution of rainfall, the general character of the crops and the conditions of their growth are concerned. The following are the two series of divisions arranged under the respective political areas or provinces to which they belong:—

Political Division or Province.	Meteorological Division.	Meteorological Province.
BURMA	Tenasserim and Bay Islands.	Burma Coast and Bay Islands.
	Lower Burma	
	Arakan	
	Central Burma	Burma Inland.
	Upper Burma	
ASSAM	Assam (Surma)	Assam.
	" (Brahmaputra)	
BENGAL	East Bengal	Bengal and Orissa.
	Deltaic Bengal	
	Central Bengal	
	North Bengal	
	Orissa	
	Chota Nagpur	Gangetic Plain and Chota Nagpur.
	South Bihar	
	North Bihar	
UNITED PROVINCES OF AGRA AND OUDH.	United Provinces, East	
	United Provinces, Central.	
	South Oudh	
	North Oudh	
	United Provinces, East Sub-montane.	
	United Provinces, West Sub-montane.	Upper Sub-Himalayas.
PUNJAB AND NORTH-WEST FRONTIER PROVINCE.	South-East Punjab	
	South Punjab	
	Central Punjab	
	Punjab Sub-montane	
	N. W. F. Province	Indus Valley and North-West Rajputana.
	West Punjab	
BOMBAY, NORTH	Sind	
RAJPUTANA AND CENTRAL INDIA.	West Rajputana	East Rajputana, Central India and Gujarat.
	Central India, East	
	Rajputana, East, Central India, West.	
BOMBAY, NORTH	Kathiawar and Cutch	
	Gujarat	
UNITED PROVINCES	United Provinces, West	

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Political Division or Province.	Meteorological Division.	Meteorological Province.
BOMBAY	Bombay Deccan	Deccan.
	Khandesh	
CENTRAL PROVINCES	Berar	
	Central Provinces, West	
	" " Central	
	" " East	
HYDERABAD OR THE NIZAM'S DOMINIONS.	Hyderabad, North	
	" South	
BOMBAY	Konkan	West Coast.
	Malabar	
MADRAS	Madras, South	South India.
	" " Central	
	" East Coast, South	
	" Central	
	" East Coast, Central	
	" East Coast, North	
COORG AND MYSORE	Coorg	
	Mysore	
HILL DISTRICTS	Assam Hills	Hills.
	Bengal Hills	
	United Provinces Hills	
	Punjab and North-West Frontier Province Hills.	
	Baluchistan Hills	

The double grouping is shown in Plate I at the end of this summary.

The data of Table I 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 telegraph ic reports and given in Table I 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 II. There is also another reason why the mean maxima and minima data in Tables I and II differ to a slight extent. In Table I the daily or 24 hour period is assumed to end at 8 hrs. and in Table II at midnight (except for rainfall the period of which ends at 8 hrs.) and hence the maximum temperature in Table I for any month of thirty-one days at any station gives the mean for thirty-one periods of 24 hours ending at 8 hrs. of the 31st, and in Table II 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 maxima and minima temperature mean data in Tables I and II, and hence also in the monthly mean departure data given in these tables in the monthly reviews and annual summary.

The methods of exposure of the instruments at observatories in India, and of the reduction of the observations and the calculation of mean data, have been fully stated and explained in the Annual Reports on the Meteorology of India, and need not be repeated. The reader is referred more especially to the Annual Report of the year 1885 and to the "Instructions to observers of the Indian Meteorological Department" for full information on this subject.

Solar and Magnetic Activity.

Report from Kodaikanal Observatory.

Sunspots.—During the year there was a marked but by no means uniform increase in the number of spots as is shown by the following statement:—

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
New groups	13	11	22	19	26	12	15	24	17	21	29	30	239
Mean daily number of groups .	3·2	2·3	4·1	3·8	4·2	3·1	3·6	4·1	2·7	4·2	4·0	5·0	3·7

The sun was not free from spots on any day during the year but there were 14 days on which only one group was visible. On the other hand six or more groups were visible at the same time on 38 days and on 13th December no fewer than 13 groups were visible. No single group of the largest class was seen during the year but there were a number of spots which would be classed as "large" and which have been dealt with in detail in the monthly notes.

The distribution of the spots in latitude was much as might be expected at this period of the cycle but spots were more numerous in the northern than in the southern hemisphere. Of the 239 new groups seen during the year 133 were in the northern hemisphere. Spots appeared in the northern hemisphere between latitudes 5° and 38° and in the southern between latitudes 3° and 32° but the great majority of the spots in each hemisphere had latitudes between 10° and 25°.

The chief feature of the year's observations, which calls for remark is the slowness in the increase of the number and area of the spots. This slowness seems to indicate that the coming maximum will be a comparatively low one.

Prominences.—Showed a large increase in frequency over last year and the increase during the year was fairly well marked, as is shown by the following table:—

	Days of observations.	Total number of prominences.	Mean daily frequency.	Mean height.	Mean heliographic latitudes. North.	Mean heliographic latitudes. outh.
				″	°	°
First 6 months .	126	1328	10·5	27·2	34·3	39·2
Second 6 months .	115	1380	12·0	26·8	36·2	38·9
Year .	241	2708	11·2	26·5	35·4	38·3

The number of eruptive prominences showed a marked increase, as was to be expected.

Work with the spectroheliograph was begun too late in the year to enable any useful comparison to be made between the earlier and later photographs but a comparison between the spectroheliograms obtained here in December 1904 and those obtained at the Yeorkes observatory towards the close of 1903 is full of interest. The latter show, on the whole, great uniformity in the solar surface except near spots, which were then infrequent. The former show great collections of flocculi not only close to spots but also, in many cases, in parts where there were no spots. At times almost the whole spot belts were covered with dark calcium flocculi.

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Report from Colaba Observatory.

The mean observed values of the year obtained from monthly means are as follow:—

Declination	0°14′28″ East.
Horizontal Force . . .	·37410 C. G. S. unit.
Dip	·21°49′·0

The mean values for the year of the different elements corrected for 24 hours of tabulation are as follow:—

Declination	15′·5.
Horizontal Force . . .	·37391 C. G. S. unit.
Vertical Force	·14978 " "
Calculated Dip	21°49′·8.

During the year there were only 3 days on which the disturbances recorded were classed as 'great'—on the 28th January, 1st April and 12th May. There were 158 days in the year classed as quiet or calm days and 175 days of small and 30 days of moderate disturbances.

In connection with the fluctuations of the magnetic energy with the eleven yearly period, the evidence on which the statement was made in the monthly report for August 1903, that the next maximum in all probability would be a decidedly low maximum, appears to have been considerably strengthened by the year's record, and the magnetic range curve not only now indicates that the maximum would be a very low one and diffused over a considerable period extending possibly from 1905 to 1907: but presumably it tends also to show that we have not improbably reached or are very near the minimum epoch of the larger unknown period.

TABLE I.—*Mean monthly absolute values of Horizontal force, Declination and Dip at Colaba.*

Month.	Absolute values of			Horizontal force summed ranges.
	Horizontal force.	Declination.	Dip.	
		° ′ ″	° ′	
January	·37430	0 16 28	21 48·1	·001585
February	·37411	0 15 47	21 48·7	·002211
March	·37422	0 15 49	21 48·0	·003402
April	·37398	0 14 33	21 47·3	·003358
May	·37416	0 14 44	21 47·5	·003119
June	·37410	0 14 31	21 48·2	·003510
July	·37425	0 14 42	21 49·0	·003352
August	·37408	0 12 43	21 48·5	·002771
September	·37414	0 12 38	21 48·8	·002417
October	·37399	0 13 15	21 49·9	·002563
November	·37390	0 14 21	21 51·7	·002781
December	·37403	0 14 2	21 52·7	·002224

TABLE II.—*Seismic disturbances recorded at Colaba.*

1904.	Disturbances recorded by Milne's Seismograph.						Remarks.
Date.	P. T. Commence.	L. W. Commence.	Max.	End.	Max. amplitude in m.m.	Duration.	
	H. M.	H. M.	H. M.	H. M.		H. M.	
20th January	21 4·0	...	21 34·0	22 5·7	0·9	1 1·7	
19th March	11 40·5	...	12 48·5	13 27·8	1·0	1 47·3	
31st "	7 14·9	...	7 17·4	8 1·2	10·2	0 46·3	
" "	10 45·9	...	10 47·7	11 8·0	3·3	0 22·1	
4th April	15 2·7	...	15 49·5	19 14·9	3·5	4 12·2	
5th "	15 17·0	...	15 28·3	16 5·8	2·0	0 48·8	
9th "	10 21·2	...	10 22·3	10 24·7	0·6	0 3·5	
13th "	0 26·2	...	0 35·6	1 3·5	0·5	0 37·3	
24th "	11 55·9	...	12 2·1	12 13·1	0·6	0 17·2	
1st May	*	...	20 57·7	21 27·7	1·5		* Lost in shifting time.
24th June	6 26·6	...	6 38·3	7 6·1	0·8	0 39·5	
25th "	19 58·4	†	20 25·7	21 33·0	11·1	1 34·6	† Ditto ditto.
26th "	2 4·2	2 32·7	2 41·6	4 32·0	8·6	2 27·8	

TABLE II—*concluded.*

1904.	Disturbances recorded by Milnes Seismograph.						Remarks.
Date.	P. T. Commence.	L. W. Commence.	Max.	End.	Max. amplitude in m.m.	Duration.	
	H. M.	H. M.	H. M.	H. M.		M. H.	
26th June . . .	16 11·3	...	16 13·8	16 43·2	1·2	0 31·9	
27th „ . . .	5 22·9	5 43·1	5 52·1	6 48·0	3·6	1 25·1	
18th July . . .	6 18·3	...	6 51·7	8 1·7	1·5	1 43·4	
24th „ . . .	16 9·5	...	16 23·6	16 47·5	1·1	0 38·0	
27th „ . . .	10 26·9	...	10 28·9	10 39·7	0·9	0 12·8	
9th August . .	4 30·7	...	4 56·5	5 9·2	0·6	0 38·4	
18th „ . . .	9 49·5	10 4·1	10 7·4	10 31·6	1·8	0 42·1	
25th „ . . .	2 0·6	...	2 31·0	3 29·7	2·9	1 29·1	
28th „ . . .	3 12·1	...	3 44·6	5 30·2	4·1	2 18·1	
30th „ . . .	16 45·7	...	16 53·8	17 42·6	3·4	0 56·9	
11th September . .	10 47·7	...	10 56·8	11 38·6	1·9	0 50·9	
3rd October . .	8 0·3	...	...	9 33·6	‡	1 33·3	‡ As the traces overlapped max. amp. could not be found.
8th and 9th October .	23 39·7	...	23 59·4	D. H. M. 9 0 14·1	0·9	0 34·4	
9th October . .	19 11·8	...	19 27·3	H. M. 19 40·2	0·5	0 28·4	
28th „ . .	18 49·3	...	19 17·0	19 37·6	0·8	0 48·3	
6th November . .	9 22·7	...	9 37·8	9 54·0	0·6	0 31·3	
9th „ . .	8 27·2	...	8 34·0	8 39·4	0·4	0 12·2	
21st „ . .	9 7·6	...	9 17·1	9 33·5	0·5	0 25·9	
23rd „ . .	22 6·1	...	22 9·6	22 19·2	0·4	0 13·1	
16th December . .	12 0·5	...	12 2·1	12 12·3	0·7	0 11·8	
19th and 20th December	23 15·0	...	23 50·8	D. H. M. 20 0 9·7	0·6	0 54·7	
20th December . .	11 4·1	...	12 16·6	H. M. 13 8·8	1·4	2 4·7	

Horizontal force movements.		
Date.	Commence.	Duration in hours.
	H.	
17th April 1904 .	21	5
5th June „ .	4	4
13th July „ .	20	6
23rd December „ .	19	1½
25th „ „ .	18	12

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Solar Radiation.

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

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

Observations of the solar thermometers were made during the year 1904 at all these stations with the exception of Aden. The monthly averages of past years and the departures from them of the data of 1904, are given in Tables III and IV and the mean comparative data for the past fifteen years in Table V.

TABLE III—*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	1902-04	37·0	43·5	48·9	52·7	52·9	54·3	55·5	51·5	44·7	44·4	42·7	35·5	47·0
Simla	1890-04	61·0	64·9	68·2	69·1	68·2	62·7	49·0	48·2	59·7	69·4	66·7	63·3	62·5
Lahore	Do.	48·5	53·8	56·2	57·1	53·3	50·4	52·3	55·5	53·5	52·3	50·1	47·4	52·5
Jodhpur	1897-04.	52·9	55·5	56·4	56·7	54·5	53·5	56·4	56·9	55·9	53·1	51·5	50·4	54·5
Allahabad	1890-04.	57·5	58·0	58·4	57·4	56·6	56·7	56·6	57·0	58·9	55·8	56·7	57·1	57·2
Calcutta (Alipore)	Do.	51·4	52·8	53·4	53·8	54·0	52·4	53·4	55·1	56·0	54·8	52·3	51·6	53·4
Bombay	Do.	50·0	51·1	50·5	51·0	50·9	46·3	42·7	45·9	48·9	50·1	50·3	49·4	48·9
Leh	Do.	66·5	74·4	73·1	72·3	69·0	66·7	65·1	65·2	66·2	66·6	65·3	63·3	67·8
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 IV.—*Departures from the averages of Table III of mean monthly and annual excess of sun over shade temperatures in 1904.*

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	+7·3	+1·4	+0·5	—1·1	—2·2	—1·2	+2·2	+3·9	+8·5	+3·8	+3·3	—0·7	+2·1
Simla	4	—3·5	+2·2	—2·2	+1·4	—2·7	+0·2	—9·6	—3·9	+1·6	+4·5	0	+0·9	—0·9
Lahore	19	—1·6	—3·0	—3·7	—2·7	—2·8	—4·1	—5·1	—2·5	—2·1	—3·7	—3·2	—1·8	—3·0
Jodhpur	7	+0·1	0	—0·7	—1·2	—0·8	+0·2	—0·9	—1·8	—0·5	0	—0·6	+0·1	—0·5
Allahabad	2	0	+3·0	+1·6	0	+0·9	+0·9	+2·2	+3·8	+1·7	+1·9	+2·7	+0·5	+1·6
Calcutta (Alipore)	3	—1·0	+0·4	+0·1	—0·5	+0·5	—0·3	—3·2	+1·8	+1·6	+1·0	—3·6	—3·8	—0·6
Bombay	19	+0·6	—0·4	—0·4	+0·1	—0·1	—2·6	+1·4	+2·5	—2·8	—0·4	+1·3	+1·8	+0·1
Leh	9	—10·5	—6·5	—6·1	—5·2	—3·4	—0·5	—0·8	—0·1	+0·9	—3·8	+0·1	—4·7	—3·4

TABLE V—*Departures from normal of the annual mean excess of sun over shade temperature for each year of the period 1890-1904.*

Station.	1890.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.	1903.	1904.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
Srinagar	?	?	?	?	?	?	?	?	?	?	?	?	—1·8	—0·4	+2·1
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
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
Jodhpur	?	?	?	?	?	?	?	+1·7	+0·5	—0·9	—0·6	—0·5	—0·3	—0·3	—0·5
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
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
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
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
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	?	?	?

Nocturnal Radiation.

It was stated in the Annual Report of 1890 that the observations of the terrestrial radiation thermometers in India are nearly as unsatisfactory as those of the solar radiation thermometers. Observations of these instruments were recorded during the year 1904 at the following stations:—

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

The following table, TABLE VI, gives the average data of past years for the above stations; TABLE VII, the departure from the normal, and TABLE VIII the mean annual departure data for the past fifteen years.

TABLE VI.—*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	6—11	7·8	8·3	9·1	7·7	8·3	7·4	7·2	6·5	11·8	10·7	11·2	11·6	9·0
Simla	14	4·6	3·5	3·7	6·0	4·2	3·6	2·9	2·1	3·5	4·4	4·6	4·5	4·0
Lahore	27—28	9·4	9·2	8·5	9·1	8·6	6·0	3·8	4·1	6·3	9·4	10·3	9·6	7·9
Jodhpur	7—9	9·5	9·4	9·2	8·0	5·1	2·3	1·8	1·9	4·3	9·7	10·5	9·8	6·8
Allahabad	27—28	10·9	11·5	12·6	12·3	9·0	5·0	3·1	2·7	4·0	8·9	12·2	12·1	8·7
Calcutta (Alipore)	27—28	8·0	7·4	6·1	4·6	3·1	2·1	1·8	1·9	2·6	4·6	6·9	8·4	4·8
Bombay	29	9·9	9·3	8·2	6·6	4·7	2·8	2·1	2·4	3·1	6·4	9·7	10·5	6·3
Leh	20—22	10·4	9·3	10·7	11·4	11·1	11·5	10·0	10·7	12·0	15·2	15·1	12·3	11·6
Aden	20—23	3·3	2·7	2·9	?	3·5	3·5	2·1	2·1	3·4	3·8	4·4	3·9	?

TABLE VII.—*Departures from the averages of Table VI of mean monthly and annual depression of nocturnal radiation temperatures in 1904.*

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

TABLE VIII.—*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.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
Srinagar	?	?	?	?	?	?	?	?	?	?	?	?	+1·2	0	−1·4
Simla	+0·1	−0·1	+1·0	−0·3	−0·7	?	−0·8	+0·8	−0·8	−0·1	+0·5	−0·2	+1·3	−1·2	−0·6
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
Jodhpur	?	?	?	?	?	?	?	+0·1	0	−0·1	−0·5	−0·1	+1·1	−0·6	−1·4
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
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
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
Leh	+3·1	+3·4	+2·9	+0·4	−2·3	−2·8	−2·0	−2·4	−0·1	−0·4	−2·1	+0·7	−1·3	?	−1·0
Aden	−0·4	−0·5	+0·1	+1·2	+1·1	−0·4	−0·8	−0·4	−0·3	−0·1	+1·9	?	−0·2	+4·4	?

Temperature of the ground.

Observations of the temperature of the ground were recorded during the year 1904 at six stations, Lahore, Jaipur, Dehra, Allahabad, Calcutta (Alipore) 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 Allahabad the thermometer at 9 feet is read at 14 hrs., and the remaining two at 6, 14 and 22 hrs. The Lahore thermometer at 6 feet and the Jaipur thermometers at 10, 20 and 45·6 feet are read at 10 hrs., the remaining thermometers at these places being read four times daily. At Calcutta and Dehra Dun all are read once a day, at 13 hrs. 45 mins. and 15 hrs. respectively in the two places.

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 and six feet are attached to the lower end of a stout wooden bar 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 recently published by Mr. R. Ll. Jones (Meteorological Memoirs, Vol. XV., Pt. III., 1904) makes it clear that the whole system of measurement of under ground-temperatures is unsatisfactory: analysis on the lines developed by Lord Kelvin leads to inconsistent results. 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 correct indications than a table of absolute temperatures recorded. The number of years included in the averages in the different cases lies between 17 and 25.

TABLE IX.—*Departures from normal of the mean monthly and annual temperatures of the air and of the ground in 1904*

		January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November.	December.	YEAR.
		°	°	°	°	°	°	°	°	°	°	°	°	°
LAHORE.	Air	−1·7	+2·3	−2·6	0	+1·9	+2·3	+2·8	+2·6	+0·9	+2·0	+1·3	+1·7	+1·1
	Surface	−3·4	−0·6	−4·1	−0·8	0	+0·7	+2·8	+1·0	−1·9	+0·1	−0·6	+0·2	−0·6
	1 foot deep	−2·3	−0·2	−2·3	−0·2	+0·9	+0·3	+1·2	+1·1	0	+0·9	+0·8	+1·2	+0·1
	3 feet "	−1·5	−0·6	−1·6	−0·4	+0·9	+0·2	+1·0	+1·0	+0·4	+0·6	+0·6	+1·0	+0·1
	6 " "	−1·5	−1·3	−1·1	−1·9	+0·1	−0·2	+0·3	+0·6	+0·6	+0·1	+0·1	+0·2	−0·3
JAIPUR.	Air	−0·1	+1·6	−1·3	+0·6	−0·2	+0·3	−1·3	−2·6	−1·0	+0·6	−0·6	−0·6	−0·4
	Surface	−2·0	+0·1	−2·2	+1·6	+0·4	+1·9	−2·3	−1·8	+0·3	+1·3	−0·1	−1·8	−0·4
	4 inches deep	+0·2	+0·6	−2·4	+1·4	+0·9	+1·1	−0·7	−0·2	+0·3	+1·6	+1·6	+0·4	+0·4
	1 foot "	+1·3	+1·1	−1·6	−0·4	−1·0	−0·5	−1·1	−1·2	−0·3	+1·1	+1·6	+0·8	0
	3 feet "	+0·3	+0·9	−0·2	+1·1	+0·8	+0·4	+0·2	−1·0	+0·3	+0·5	+0·9	+0·2	+0·4
	10 " "	+2·4	+2·1	+1·1	+0·1	−0·4	−1·0	+0·1	−0·2	−0·1	+0·3	+1·4	+2·3	+0·7
	20 " "	+1·5	+1·2	+1·1	+0·8	+0·6	+0·3	+0·3	+0·3	+0·2	+0·2	+0·4	+0·6	+0·6
	45·6 " "	+0·8	+0·7	+0·8	+0·8	+0·7	+0·7	+0·6	+0·6	+0·7	+0·6	+0·6	+0·7	+0·7
DEHRA.	Air	−0·7	+2·2	−1·4	+0·7	−0·9	+0·5	−2·6	−0·7	−1·4	−0·5	−1·0	+0·2	−0·5
	1·1 feet deep	−1·0	+2·3	−1·3	+2·5	+1·4	+1·6	−2·4	−0·9	−0·9	+0·9	−0·6	+0·1	+0·1
	3·2 " "	−0·2	+1·9	0	+2·3	+1·8	+1·3	−0·9	−0·8	−0·1	+1·1	0	+0·1	+0·5
	6·4 " "	+0·8	+1·8	+0·7	+0·2	+0·8	+0·3	−0·1	−0·9	−0·5	−0·6	+0·7	+0·7	+0·3
	12·8 " "	+0·3	+0·1	+0·6	+0·5	+0·9	+0·9	+0·9	+0·1	−0·2	−0·1	+0·3	+0·4	+0·4
	25·6 " "	+0·8	+0·7	+0·8	+0·7	+0·7	+0·7	+0·9	+1·0	+0·7	+0·4	+0·5	+0·5	+0·7

TABLE IX.—*Departures from normal of the mean monthly and annual temperatures of the air and of the ground in 1904*—concluded.

		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	YEAR.
		°	°	°	°	°	°	°	°	°	°	°	°	°
ALLAHABAD.	Air	+0·6	—0·4	—·8	+0·5	—1·1	+1·0	—1·7	—0·9	—0·5	—0·2	—0·6	+1·1	—0·
	Surface	—0·4	+0·6	+1·4	+2·0	+3·9	+3·5	—1·2	+0·1	+2·9	+0·5	+0·5	+2·3	+1·3
	1 foot deep	0	+0·3	+1·5	+1·1	+1·3	+2·1	—1·7	—1·1	0	—0·5	—1·8	—0·3	+0·1
	3 feet „	—0·1	0	+0·9	+0·4	+0·7	+0·9	—0·7	—1·0	—0·4	—0·5	—1·3	—0·3	—0·1
	9 „ „	—0·4	—0·2	—0·1	+0·1	—0·1	+0·1	+0·3	—0·1	0	—0·1	—0·4	—0·7	—0·1
CALCUTTA (ALIPORE.)	Air	+0·1	—0·1	+0·6	+0·6	—1·0	—0·2	—0·6	+1·3	+0·5	+0·2	+0·5	+1·7	+0·3
	Surface	?	?	?	—1·6	—3·7	—3·6	—3·8	—0·1	—0·8	—1·0	+1·5	+1·9	?
	1 foot deep	+1·6	+0·9	+0·4	+1·4	—1·5	—1·1	—2·2	—0·7	—1·0	—0·5	+1·3	+3·6	+0·2
	3 feet „	+1·0	+0·6	+0·4	+0·6	—1·1	—1·4	—2·2	—1·6	—1·3	—0·7	+0·6	+2·6	—0·2
	„ „	+0·7	+0·8	+0·8	+0·6	—0·2	—1·5	—1·8	—1·9	—1·5	—1·0	—0·3	+0·7	—0·4
BOMBAY.	Air	+1·1	+2·2	+0·5	+0·3	+0·4	0	+0·8	+0·7	+1·2	+1·5	0	+0·1	+ ·7
	1 inch deep	+1·1	+1·9	+0·8	+0·7	+1·0	+0·6	+1·5	+1·2	+1·4	+1·8	—0·1	—0·2	+0·9
	9 inches „	+2·1	+3·2	+2·3	+2·8	+2·8	+2·5	+2·9	+3·0	+2·8	+3·1	+1·9	+1·9	+2·6
	1 foot 8 inches deep	+2·8	+4·0	+3·6	+4·2	+4·3	+3·8	+3·8	+4·0	+3·7	+3·7	+3·2	+2·9	+3·7
	5 feet deep	+2·3	+2·9	+3·1	+3·3	+3·4	+3·5	+3·0	+3·4	+3·4	+3·3	+3·2	+2·7	+3·1
	11 „ „	+2·1	+2·2	+2·2	+2·1	+2·2	+2·1	+1·9	+1·9	+2·0	+2·4	+2·5	+2·4	+2·2

Temperature.

The methods of exposing the thermometers at observatories in India are 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 is described in the "Monthly Weather Review" January 1904, page 16, para. 1.

The departures from normal of the mean temperature of each month given in Table II 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 II of the monthly weather reviews for the year are given in Table X.

The mean departures given in Table XI of the Geographical Summary are derived from the departure data of Table II of the monthly weather reviews of the year 1904.

In Table I, 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 I of the Monthly Weather Reviews of the year 1904 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 ½ (maximum + minimum).

Normal monthly mean maximum and minimum temperatures of 94 stations, calculated from the observations of the eleven year period, 1878—1888, were given in the Annual Summary for 1891. The data for the years 1889—1893 were given in the "Annual Summary," 1894, 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 1894 Annual Summary.

Tables XI and XII (*a*), XII (*b*) and XII (*c*) give summaries of the temperature departure data for each month of the year 1904 and for the year. In the first table (Table XI) 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 1904 with those of previous years given in the Annual Reports. In the second set of tables [Table XII (*a*), XII (*b*) and XII (*c*)] the departure data are given for the eleven meteorological provinces into which the empire is divided for the purpose chiefly of comparing meteorological and health statistics, and in the last table (Table XIII) the data are given for 55 of the 57 smaller divisions or areas into which India is subdivided with a view to the comparison of meteorological and crop statistics ;—

TABLE X.—*Departures from normal of monthly and annual mean air temperatures in 1904.*

Meteorological Province.	Station.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
		°	°	°	°	°	°	°	°	°	°	°	°	°
Burma Coast and Bay Islands.	Port Blair	0	—0·3	—0·6	—2·8	—1·2	—0·7	—0·8	+0·4	—1·0	—0·2	—1·2	—0·1	—0·7
	Rangoon	—0·9	—1·9	—0·6	—2·3	—0·3	—0·9	—1·1	—1·0	—0·8	+0·6	+0·5	—1·4	—0·8
	Diamond Island	—0·6	+0·1	—0·2	+0·4	—0·1	—1·4	—0·4	+0·3	—0·1	+0·8	—0·7	—2·4	—0·4
	Akyab	—0·6	—0·7	+0·9	—1·5	—0·6	—1·1	—1·5	+0·4	—0·4	—0·3	—2·1	—2·3	—0·8
Bengal and Orissa.	Chittagong	—0·4	—0·6	+1·2	—1·4	+0·1	+0·6	—1·0	+0·9	—0·1	—0·5	—1·7	—0·6	—0·3
	Calcutta (Alipore)	+0·1	—0·1	+0·6	+0·6	—1·0	—0·2	—0·6	+1·3	+0·5	+0·2	+0·5	+1·7	+0·3
	Saugor Island	—0·1	—0·9	+0·7	+0·1	—0·2	—0·7	—0·7	+0·7	+0·5	—0·4	+0·1	+1·6	+0·1
	False Point	—1·1	—3·0	—0·1	0	—0·6	—2·0	—0·9	—0·1	+0·4	—0·2	—0·2	+1·6	—0·5
Gangetic Plain and Chota Nagpur.	Hazaribagh	+1·0	+0·3	—3·8	+2·2	—0·9	—1·9	—0·4	+0·3	+0·2	+0·8	—0·7	+1·6	—0·1
	Darbhanga	—0·3	+1·0	+1·2	+1·0	—2·8	+0·3	+0·5	?	?	?	?	?	?
	Allahabad	+0·6	—0·4	—0·8	+0·5	—1·1	+1·0	—1·7	—0·9	—0·5	—0·2	—0·6	+1·1	—0·3

TABLE X.—*Departures from normal of monthly and annual mean air temperatures in 1904*—contd.

Meteorological Province.	Station.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
		°	°	°	°	°	°	°	°	°	°	°	°	°
Upper Sub-Himalayas.	Dehra Dun	−0·7	+2·2	−1·4	+0·7	−0·9	+0·5	−2·6	−0·7	−1·4	−0·5	−1·0	+0·2	−0·5
	Roorkee	−1·0	+1·4	−1·5	0	−1·8	+1·5	−2·5	−1·1	−1·5	−1·0	−1·1	−0·4	−0·8
	Meerut	−0·1	+1·8	−0·9	+1·4	−1·1	+1·8	−1·0	−0·8	−0·8	−0·1	+0·3	+0·9	+0·1
	Lahore	−1·7	+2·3	−2·6	0	+1·9	+2·3	+2·8	+2·6	+0·9	+2·0	+1·3	+1·7	+·11
	Ludhiana	−2·2	+1·7	−3·1	+0·6	+0·2	+2·0	−0·3	−0·8	−0·9	−0·1	−0·1	+0·7	−0·2
Indus Valley and North-West Rajputana.	Peshawar	−1·6	+3·4	−1·6	+0·4	+0·3	+2·3	0	−0·7	−1·4	+0·1	+0·9	+0·8	+0·2
	Jacobabad	−0·3	+3·1	−1·9	+3·2	+2·7	+0·9	+0·7	+1·6	+0·4	+1·6	+4·8	+1·3	+1·5
	Kurrachee	+0·2	+2·7	−1·2	+1·5	+1·2	+0·1	−0·8	−0·2	+0·1	+0·8	+2·5	+1·6	+0·7
East Rajputana, Central India and Gujarat.	Jaipur	−0·1	+1·6	−1·3	+0·6	−0·2	+0·3	−1·3	−2·6	−1·0	+0·6	−0·6	−0·6	−0·4
	Deesa	+0·7	+2·7	−1·1	+1·0	+0·9	+0·8	0	+3·0	+4·1	+4·0	+2·8	+1·8	+1·7
Deccan	Belgaum	+0·4	−1·1	−1·6	−1·3	−0·6	−2·0	−0·4	−0·6	+0·2	+0·8	−1·3	−0·5	−0·7
	Sholapur	+0·6	−1·5	−0·9	+0·5	+0·8	0	+0·7	+1·9	+0.5	+1·0	−1·7	−0·3	+0·1
	Akola	+1·7	−0·1	−0·9	+1·6	+1·3	0	+0·5	+0·1	−0·8	+0·9	−1·8	+1·5	+0·3
	Buldana	+0·9	−0·7	−1·8	+1·0	+0·9	+0·5	+0·2	+0·9	+0·1	+0·1	−0·9	+0·3	+0·1
	Khandwa	+2·3	+0·1	−1·0	+1·5	+1·0	+0·6	+1·2	+2·0	0	+2·2	−1·0	+1·9	+0·9
	Nagpur	+1·1	−0·8	−1·3	+2·0	−0·1	−0·9	+0·5	−0·2	−1·0	−0·1	−1·3	+1·2	−0·1
	Hyderabad (Deccan)	+0·5	−2·3	−0·7	+1·6	−0·6	−0·8	+1·0	+2·4	+0·4	+0·7	−0·8	−0·7	+0·1
West Coast	Bombay	+1·1	+2·2	+0·5	+0·3	+0·4	0	+0·8	+0·7	+1·2	+1·5	0	+0·1	+0·7
	Karwar	+0·9	−0·6	−0·8	−0·9	−0·8	−1·8	−0·5	+0·5	+0·1	+2·5	−1·9	−0·5	−0·3
South India	Salem	−1·5	−1·9	−1·5	+0·4	−1·9	−2·0	−1·8	+0·5	+1·3	+0·9	+0·7	+1·3	−0·5
	Chitaldroog	−0·9	−2·8	−0·8	0	−0·2	−1·4	−0·6	+0·2	+0·9	+0·9	−0·2	−0·5	−0·5
	Bangalore	−0·1	−1·1	0	+0·3	−1·6	−2·1	−1·1	−0·1	+0·8	+0·8	−0·3	−0·3	−0·4
	Hassan	+0·2	−1·4	−0·3	−0·5	+0·2	−0·2	+0·5	+0·8	+1·5	+0·6	−2·2	−0·1	−0·1
	Mysore	−0·9	−1·7	−0·5	−0·4	−1·6	−1·7	−0·8	−0·1	0	+0·6	−0·8	+0·7	−0·6
	Madras	+0·2	−1·2	−0·8	+0·5	−2·9	+0·7	−0·9	+0·8	+0·8	+0·6	+0·4	+0·3	−0·1
	Bellary	+0·1	−2·2	0	0	−1·2	−1·0	−0·5	+1·2	+1·2	+1·2	−0·3	−0·1	−0·1
Hill Station, Baluchistan	Quetta	−1·3	+3·3	−1·4	+1·8	+1·6	−0·8	−1·5	−0·7	−2·7	−0·1	+4·6	+1·7	−0·4
Hill Stations, Northern India.	Leh	+0·9	+4·1	+1·9	−0·4	−0·7	−1·1	−1·6	−2·0	−2·9	−1·4	−2·8	+1·1	−0·4
	Srinagar	−1·6	+3·0	+2·1	+1·7	−1·8	0	0	−0·2	−1·6	−0·1	−0·6	+0·6	+0·1
	Simla (Ridge)	0	+5·1	−2·6	+1·5	−1·7	−0·8	−1·5	−0·7	−0·6	−0·4	−2·5	−0·2	−0·4
	Chakrata	−1·2	+5·0	−2·8	+1·4	−1·2	+0·2	−1·7	−1·0	−1·3	+0·5	−1·5	−0·7	−0·4
	Ranikhet	+0·2	+4·2	−1·1	+2·2	−1·1	+0·4	−0·4	−0·2	−0·8	−0·2	−2·0	−1·5	0
	Katmandu	+0·2	+1·7	+1·7	+2·3	−0·4	+0·5	−0·3	+0·1	+0·1	−0·3	−2·1	−3·3	0
	Darjeeling	+1·3	+2·2	+0·6	−0·5	−1·3	+1·4	−0·3	+0·5	+0·7	+0·1	+0·7	+0·8	+0·5

TABLE X.—*Departures from normal of monthly and annual mean air temperatures in 1904*—concld.

Meteorological Province.	Station.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
		°	°	°	°	°	°	°	°	°	°	°	°	°
Hill Stations, Central India	Mount Abu	—0·5	+2·0	—3·1	0	+0·4	—0·5	—1·5	—0·1	+1·8	+1·4	+0·4	+0·2	0
	Pachmarhi	+1·1	—1·0	—2·0	+1·8	+0·8	+0·5	—0·7	—0·6	—0·6	+0·9	—0·5	+2·0	+0·1
	Chikalda	+0·7	—1·0	—2·3	+0·6	+1·0	—0·6	—0·5	—0·1	—0·2	+0·9	—0·7	+0·7	—0·1
Extra India	Aden	—0·5	—1·0	—0·2	0	+0·1	+0·1	+0·3	+2·3	+0·6	—1·0	—0·6	—0·9	—0·1
	Perim	—0·6	—0·4	+0·2	+0·4	+0·1	+0·9	+0·6	+0·9	+0·6	—1·3	+0·1	0	+0·1
	Zanzibar	—0·4	—0·4	—0·3	—2·0	—0·3	—1·1	—0·1	+0·1	—0·1	—0·3	—1·1	—0·2	—0·5
	Port Victoria (Seychelles)	—2·6	—1·4	—0·7	—0·6	—1·4	—2·4	—1·8	—1·2	—1·7	—1·8	—2·3	+0·7	—1·4
	Mauritius (Pamplemouses)	—1·3	+0·2	—0·4	—1·2	—0·7	—1·0	—1·0	—0·9	—1·9	—0·5	—0·4	—0·5	—0·8

TABLE XI.—*Geographical summary of the temperature departure data of Table II in the Monthly Weather Reviews of 1904.*

Meteorological Area.	Number of stations.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
		°	°	°	°	°	°	°	°	°	°	°	°	°
North-West Himalayas	5	—0·5	+4·3	—0·5	+1·3	—1·3	—0·3	—1·0	—0·8	—1·4	—0·3	—1·9	—0·1	—0·2
Sikkim Himalayas and Nepal	2	+0·8	+2·0	+1·2	+0·9	—0·9	+1·0	—0·3	+0·3	+0·4	—0·1	—0·7	—1·3	+0·3
Punjab Plains	3	—1·8	+2·5	—2·4	+0·3	+0·8	+2·2	+0·8	+0·4	—0·5	+0·7	+0·7	+1·1	+0·4
Gangetic Plains	4·5	—0·3	+1·2	—0·7	+0·7	—1·5	+1·0	—1·5	—0·9	—1·1	—0·5	—0·6	+0·5	—0·3
Western Rajputana	4	.0	+2·6	—1·8	+1·4	+1·3	+0·3	—0·4	+1·1	+1·6	+2·0	+2·6	+1·2	+1·0
Eastern Rajputana and Central India	1	—0·1	+1·6	—1·3	+0·6	—0·2	+0·3	—1·3	—2·6	—1·0	+0·6	—0·6	—0·6	—0·4
Nerbudda Valley	1	+2·3	+0·1	—1·0	+1·5	+1·0	+0·6	+1·2	+2·0	0	+2·2	—1·0	+1·9	+0·9
Chota Nagpur	1	+1·0	+0·3	—3·8	+2·2	—0·9	—1·9	—0·4	+0·3	+0·2	+0·8	—0·7	+1·6	—0·1
Lower Bengal	2	0	—0·5	+0·7	+0·4	—0·6	—0·5	—0·7	+1·0	+0·5	—0·1	+0·3	+1·7	+0·2
Orissa	1	—1·1	—3·0	—0·1	0	—0·6	—2·0	—0·9	—0·1	+0·4	—0·2	—0·2	+1·6	—0·5
Central Provinces South and Berar.	5	+1·1	—0·7	—1·7	+1·4	+0·8	—0·1	0	0	—0·5	+0·5	—1·0	+1·1	+0·1
Konkan	2	+1·0	+0·8	—0·2	—0·3	—0·2	—0·9	+0·2	+0·6	+0·7	+2·0	—1·9	—0·2	+0·1
Deccan, Hyderabad and Mysore.	8	0	—1·8	—0·6	0	—0·6	—1·2	—0·2	+0·7	+0·7	+0·8	—1·0	—0·2	—0·3
East Coast and Carnatic	2	—0·7	—1·6	—1·2	+0·5	—2·4	—0·7	—1·4	+0·7	+1·1	+0·8	+0·6	+0·8	—0·3
Arakan and Pegu	4	—0·6	—0·5	+0·3	—1·2	—0·2	—0·7	—1·0	+0·2	—0·4	+0·2	—1·0	—1·8	—0·6
Bay Islands	1	0	—0·3	—0·6	—2·8	—1·2	—0·7	—0·8	+0·4	—1·0	—0·2	—1·2	—0·1	—0·7
Extra Tropical India	23—24	—0·2	+2·2	—1·0	+1·0	—0·4	+0·5	—0·6	0	—0·2	+0·4	—0·1	+0·6	+0·2
Tropical India	23	+0·1	—1·1	—0·7	0	—0·4	—0·8	—0·4	+0·4	+0·2	+0·7	—0·8	0	—0·2
Whole India	46—47	0	+0·5	—0·8	+0·5	—0·4	—0·1	—0·5	+0·2	0	+0·5	—0·5	+0·2	0

TABLE XII (*a*).—*Departure of the mean monthly maximum temperature from the normal in the eleven meteorological provinces of India in 1904.*

METEOROLOGICAL PROVINCE.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	YEAR.
	°	°	°	°	°	°	°	°	°	°	°	°	°
Burma Coast and Bay Islands.	−1·0	−0·5	−0·5	−3·3	−0·6	−1·6	−1·6	−0·5	−0·9	+0·4	−1·6	−2·4	−1·2
Burma Inland . .	−2·4	−2·7	−1·0	−4·6	+0·5	−3·4	−2·5	−0·8	−1·7	−1·2	−3·3	−4·1	−2·3
Assam . . .	0	0	+0·3	−3·4	−1·8	+2·2	−0·6	+0·2	+0·7	+0·1	−2·0	−1·7	−0·5
Bengal and Orissa .	−0·1	−0·2	+1·2	−0·8	−1·9	−0·4	−0·8	+0·6	+0·9	+0·4	−0·4	−0·2	−0·1
Gangetic Plain and Chota Nagpur.	+0·2	+0·9	−0·8	+0·9	−3·6	−1·7	−1·5	−0·7	+0·4	+0·9	−1·0	−0·9	−0·6
Upper Sub-Himalayas.	−2·2	+3·7	−4·5	+0·4	−0·7	+1·7	−0·3	−0·7	−0·4	0	−1·8	−1·4	−0·5
Indus Valley and North-West Rajputana.	−2·5	+4·6	−4·7	+1·3	+1·4	+1·1	+1·1	+1·6	+1·3	+0·7	+0·2	+0·6	+0·6
East Rajputana, Central India and Gujarat.	0	+1·4	−3·5	+0·3	0	+0·5	−0·9	−0·4	+1·9	+2·3	+0·8	+0·3	+0·2
Deccan . . .	−0·1	−1·3	−1·9	+1·4	+0·3	−0·3	+0·1	+0·8	+0·3	+0·7	+0·5	+0·5	+0·1
West Coast . .	−0·2	−0·1	−0·6	−1·3	−0·6	−1·8	−0·4	+0·6	−0·2	+0·2	+0·4	0	−0·3
South India . .	−1·9	−2·1	−1·1	+1·2	−1·5	−1·5	−0·4	+1·2	+2·1	+0·9	+2·6	+0·2	0

TABLE XII (*b*).—*Departure of the mean monthly minimum temperature from the normal in the eleven meteorological provinces of India in 1904.*

METEOROLOGICAL PROVINCE.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December	YEA
	°	°	°	°	°	°	°	°	°	°	°	°	°
Burma Coast and Bay Islands.	+0·2	−0·5	+0·6	+0·2	0	−0·1	−0·4	−0·1	+0·2	+0·3	+0·9	−0·7	+0·1
Burma Inland . .	−0·8	−2·0	+1·2	−1·5	−0·3	−0·9	−1·0	−0·2	−1·0	−1·0	+1·2	−0·2	−0·5
Assam . . .	−1·4	−0·7	+0·3	−1·4	−0·6	+0·3	−0·7	−0·1	−0·2	−1·2	−1·2	−1·7	−0·7
Bengal and Orissa .	−0·9	−1·3	0	+0·7	−1·1	+0·1	−0·7	+0·5	−0·1	−1·1	−1·0	+0·9	−0·3
Gangetic Plain and Chota Nagpur.	−0·1	−0·7	+0·6	+1·0	−1·6	+0·1	−0·8	−0·2	−1·1	−1·0	−0·7	+2·4	−0·2
Upper Sub-Himalayas.	−0·2	+0·2	+0·6	+0·9	+0·9	+2·6	+0·6	+0·3	−0·6	+0·9	+2·3	+3·2	+1·0
Indus Valley and North-West Rajputana.	0	+1·0	+0·7	+1·0	+1·2	+1·1	+0·5	+0·6	−0·3	+1·4	+4·5	+1·9	+1·1
East Rajputana, Central India and Gujarat.	+0·6	+0·9	+0·3	+1·1	+0·3	+0·6	−0·5	−0·2	−0·5	+1·0	+1·4	+1·6	+0·6
Deccan . . .	+1·3	−1·3	−0·6	+0·2	+0·3	−0·2	−0·5	+0·1	−0·9	+0·6	−2·8	+0·9	−0·2
West Coast . .	+0·9	−0·2	−0·5	0	−0·5	−0·9	−0·2	+0·6	+0·4	+0·4	−1·9	−0·3	−0·2
South India . .	+0·4	−2·0	−1·1	+0·4	−0·9	−0·4	−0·5	+0·3	+0·2	0	−2·2	−0·5	−0·5

TABLE XII(a).—*Departure of the mean monthly temperature from the normal in the eleven meteorological provinces of India in 1904.*

METEOROLOGICAL PROVINCE.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	YEAR.
	°	°	°	°	°	°	°	°	°	°	°	°	°
Burma Coast and Bay Islands.	−0·4	−0·5	+0·1	−1·5	−0·3	−0·8	−1·0	−0·3	−0·4	+0·4	−0·3	−1·5	−0·5
Burma Inland . .	−1·6	−2·3	+0·1	−3·0	+0·1	−2·2	−1·8	−0·5	−1·3	−1·1	−1·1	−2·2	−1·4
Assam . . .	−0·7	−0·3	+0·3	−2·4	−1·2	+1·3	−0·7	0	+0·3	−0·6	−1·6	−1·7	−0·6
Bengal and Orissa .	−0·5	−0·7	+0·6	−0·1	−1·5	−0·1	−0·8	+0·6	+0·4	−0·4	−0·7	+0·4	−0·2
Gangetic Plain and Chota Nagpur.	+0·1	+0·1	−0·1	+1·0	−2·6	−0·8	−1·2	−0·5	−0·4	−0·1	−0·9	+0·8	−0·4
Upper Sub-Himalayas	−1·2	+2·0	−1·9	+0·7	+0·1	+2·2	+0·1	−0·2	−0·5	+0·5	+0·3	+0·9	+0·3
Indus Valley and North-West Rajputana.	−1·2	+2·8	−2·0	+1·1	+1·3	+1·2	+0·8	+1·1	+0·5	+1·1	+2·4	+1·3	+0·9
East Rajputana, Central India and Gujarat.	+0·3	+1·2	−1·6	+0·7	+0·2	+0·6	−0·7	−0·3	+0·7	+1·7	+1·1	+0·9	+0·4
Deccan . . .	+0·6	−1·3	−1·3	+0·8	+0·3	−0·3	−0·2	+0·5	−0·3	+0·7	−1·2	+0·7	−0·1
West Coast . .	+0·4	−0·1	−0·6	−0·7	−0·5	−1·4	−0·3	+0·6	+0·1	+0·3	−0·8	−0·2	−0·3
South India . .	−0·8	−2·1	−1·1	−0·8	−1·2	−1·0	−0·5	+0·8	+1·2	+0·4	+0·2	−0·2	−0·4

TABLE XIII.—*Departures of the mean monthly and annual temperatures from the normal in 1904 in 55 of the 57 meteorological districts or divisions of India.*

PROVINCE.	DIVISION.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	YEAR.
		°	°	°	°	°	°	°	°	°	°	°	°	°
BURMA	1. Tenasserim . .	+0·2	0	−0·2	−1·8	−0·7	−0·3	−1·5	−0·5	−0·5	+0·5	+0·6	−0·6	−0·4
	2. Lower Burma Deltaic .	−0·5	+0·1	+0·1	−1·1	+0·5	−0·9	−0·4	−0·3	−0·2	+1·0	−0·2	−2·3	−0·4
	3. Central do. .	−1·9	−2·5	−0·2	−2·7	−0·8	−2·7	−2·0	−1·0	−2·2	−1·5	−2·5?	−3·8?	−1·8
	4. Upper do. .	−1·6	−2·4	+0·2	−3·0	+0·2	−1·9	−1·6	−0·4	−1·1	−0·9	−1·1	−2·2	−1·3
	5. Arakan . . .	−0·7	−0·9	+0·8	−1·4	−0·5	−1·1	−1·5	+0·5	−0·5	−0·4	−1·9	−2·3	−0·8
BENGAL AND ASSAM	6. Eastern Bengal . .	+0·1	−0·7	+1·6	−1·2	−1·2	+0·6	−0·7	+0·8	+0·4	−0·3	−1·3	−0·3	−0·2
	7. Assam Surma . .	0	−0·1	+1·8	−2·1	−0·7	+1·3	−0·9	+0·4	+0·5	−0·5	−1·6	−1·4	−0·3
	8. Do. Hills . .	...	...	...	...	...	...	...	...	...	...	...	...	...
	9. Do. Brahmaputra .	−1·1	−0·5	−0·5	−0·6	−1·5	+0·6	−0·6	−0·1	+0·2	−0·6	−1·7	−1·9	−0·9
	10. Deltaic Bengal . .	−0·6	−0·9	+0·2	+0·1	−1·1	−0·4	−0·8	+0·9	+0·3	−0·4	+0·1	+1·3	−0·1
	11. Central do. . .	−0·5	+0·1	+0·4	+0·8	−2·6	−0·5	−1·0	+0·7	+0·7	−0·1	−0·4	+0·6	−0·2
	12. North do. . .	+0·1	+0·7	+0·5	−1·1	−2·1	+1·2	−0·4	+0·3	+1·1	−1·0	−2·1	−1·1	−0·3

TABLE XIII.—*Departures of the mean monthly and annual temperatures from the normal in 1904 in 55 of the 57 meteorological districts or divisions of India*—continued.

Province.	Division.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
		°	°	°	°	°	°	°	°	°	°	°	°	°
Bengal and Assam—*concluded.*	13. Bengal Hills	+1·4	+2·0	+0·5	−0·5	−1·4	+1·3	−0·3	+0·5	+0·7	+0·2	+0·9	+0·8	+0·5
	14. Orissa	−1·4	−2·7	−0·1	+1·0	−1·0	−1·5	−0·9	−0·1	−0·1	−0·1	−0·3	+1·1	−0·5
	15. Chota Nagpur	+0·2	−0·9	−0·2	+1·6	−3·2	−1·7	−0·8	+0·3	−0·2	+0·7	−0·2	+1·7	−0·2
	16. South Bihar	−0·3	+0·3	−0·1	+1·2	−3·6	−2·9	−1·3	−0·6	−0·1	0	−1·2	+0·8	−0·7
	17. North do.	−0·8	+0·5	+0·7	+1·0	−2·7	+0·3	−0·4	+0·1	+0·5	−0·7	−1·4	−0·5	−0·3
United Provinces of Agra and Oudh.	18. United Provinces, East	+0·1	−0·9	−0·8	+0·7	−1·1	+0·3	−1·7	−0·8	−0·5	−0·3	−1·2	+0·8	−0·5
	19. South Oudh	+0·4	+1·6	+0·1	+1·1	−1·1	+0·6	−1·9	−1·2	−1·5	−1·2	−0·2	+0·5	−0·2
	20. North do.	+0·6	+0·9	−0·3	+0·7	−3·4	−1·0	−1·0	−0·1?	+0·9	−0·4?	?	...	−0·3
	21. United Provinces, Central	+0·6	+0·8	−0·6	+1·3	−0·4	+2·1	−1·7	−1·0	−1·1	+0·4	−0·3	+0·5	+0·1
	22. United Provinces, West	−0·7	+1·3	−1·4	+0·7	−1·4	+1·3	−1·4	−1·3	−0·9	+0·3	−0·1	+0·3	−0·3
	23. Do., East Submontane.	−0·2	+0·4	+0·3	+0·1	−3·9	−1·3	−1·6	−0·8	+1·1	−0·7	−1·5	−0·8	−0·7
	24. United Provinces, West Submontane.	−0·5	+1·5	−1·4	+0·7	−1·5	+1·3	−1·9	−0·9	−1·3	−0·7	−0·6	+0·1	−0·4
	25. United Provinces, Hills	−0·8	+4·0	−2·2	+1·6	−0·9	+0·5	−1·0	−0·7	−1·1	+0·3	−1·5	−1·0	−0·2
Punjab	26. South-East Punjab	−1·1	+1·3	−2·3	+0·8	−1·3	+1·2	−1·8	−1·7	−1·5	−0·9	−1·4	−0·4	−0·8
	27. South do.	−2·0	+0·9	−2·5	−0·1?	+0·7	+0·8	+1·6	+0·2	−1·0	+0·5	+0·5	+0·5	0
	28. Central do.	−1·8	+2·0	−2·6	−0·2	+1·9	+2·4	+3·0	+2·6	+1·0	+2·2	+1·5	+1·8	+1·2
	29. Punjab Submontane	−1·8	+3·1	−2·1	+0·8	+1·7	+3·8	+1·7	+0·2	+0·5	+1·6	+0·8	+1·4	+1·0
	30. Do., Hills	−1·4	+3·1	−0·7	+0·2	−1·8	−0·2	−1·3	−1·2	−2·4	−1·5	−3·0	+0·4	−0·8
	31. West Punjab	−1·7	+3·3	−1·7	+1·0	+1·5	+2·3	+1·7	+1·8	+0·5	+1·2	+1·7	+1·1	+1·1
North West Frontier Province.	32. North-West Frontier Province.	−1·8	+2·7	−2·5	−0·1	+0·2	+2·0	+1·0	−0·1	−0·8	+0·4	+2·0	+1·2	+0·4
Bombay and Malabar Coast Districts (Madras).	33. Malabar	−0·3	−0·8	−0·7	−0·5	−0·9	−1·7	−0·8	+0·4	−0·2	0	−0·6	−0·1	−0·5
	34. Madras South Central	−1·7	−1·8	−1·1	+0·4	−1·7	−2·0	−1·3	0	+0·8	+0·6	+0·1	+0·9	−0·6
	35. Coorg	?	−1·0	−0·8	−2·0	−1·1	−2·1	−0·9	−0·3	−1·2	+0·2	−1·0	+0·5	−0·9
	36. Mysore	−0·6	−1·8	−0·6	−0·2	−0·8	−1·7	−0·9	−0·1	+0·5	+0·8	−0·5	−0·1	−0·5
	37. Konkan	+1·1	+0·8	−0·4	−0·8	−0·2	−1·2	+0·1	+0·7	+0·4	+0·6	−0·8	−0·3	0
	38. Bombay Deccan	+0·6	−1·2	−1·3	−0·1	+0·6	−0·2	+0·3	+1·6	+0·3	+1·0	−1·5	−0·3	0
	39. Hyderabad North	...	...	...	...	...	...	...	...	...	...	...	...	...
	40. Khandesh	+2·2	−0·4	−0·6	+1·7	+1·8	+1·1	+0·6	+1·9	+0·6	+1·1	−0·9	+0·5	+0·8
Central Provinces and Berar.	41. Berar	+1·4	−0·2	−1·0	+1·5	+1·5	+0·3	+0·7	+0·6	−0·4	+1·1	−1·8	+1·4	+0·4
	42. Central Provinces, West.	+1·0	−0·5	−1·4	+1·2	+0·5	+0·7	+0·6	+0·5	−0·5	+0·9	−1·1	+1·7	+0·3
	43. Central Provinces, Central.	+0·7	−1·5	−1·9	+0·7	−0·4	−0·4	−1·0	−0·7	−1·4	+0·6	−0·9	+1·5	−0·4
	44. Central Provinces, East	−0·6	−2·7	−1·7	+0·5	−0·8	−4·1	−1·1	−1·2	−0·9	−0·3	−1·6	+1·2	−1·1

TABLE XIII.—*Departures of the mean monthly and annual temperatures from the normal in 1904 in 55 of the 57 meteorological districts or divisions of India*—concluded.

PROVINCE.	DIVISION.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	YEAR.
		°	°	°	°	°	°	°	°	°	°	°	°	°
BOMBAY (NORTH)	45. Gujarat . . .	+2·0	+1·8	−1·3	−0·2	+0·4	+2·2	+0·6	+1·2	+1·5	+2·9	+1·9	+1·5	+1·2
	46. Kathiawar and Cutch	+0·1	+1·6	−1·7	−0·3	−0·1	+0·6	−0·1	+0·6	+1·0	+1·7	+1·7	+1·2	+0·5
	47. Sind	−0·7	+3·2	−2·1	+2·1	+1·7	+0·1	−0·1	+0·9	+0·7	+1·1	+3·8	+1·6	+1·0
	48. Baluchistan Hills .	−1·5	+3·6	−0·8	+0·3	−0·6	−2·1	−3·0	−1·6	−2·6	−0·4	+4·0	+2·2	−0·2
RAJPUTANA AND CENTRAL INDIA.	49. Central India, East .	+0·4	−0·7	−2·5	+1·0	+0·4	+0·5	−1·5	−0·9	−0·3	+0·5	−0·1	+1·2	−0·2
	50. Rajputana East, Central India West.	−0·1	+2·0	−0·9	+1·2	+0·6	+0·3	−0·5	−0·8	+1·3	+1·7	+1·3	+0·3	+0·5
	51. West Rajputana .	+1·0	+1·5	−1·8	+1·2	+1·8	+0·4	+0·9	+1·4	+1·5	+1·5	+1·6	+1·1	+0·8
MADRAS . . .	52. East Coast North .	−0·6	−2·9	−0·7	+0·7	−1·5	−0·8	−0·6	+0·3	+0·8	−0·5	−0·7	−0·5	−0·6
	53. Hyderabad South .	−0·1	−2·4	−0·7	+0·8	−0·7	−0·6	−0·4	+1·7	+0·4	+0·5	−0·9	−0·7	−0·3
	54. Madras Central .	−0·8	−2·9	−0·6	+0·7	−1·3	−0·8	−0·1	+1·8	+1·8	+1·3	−0·2	+0·1	−0·1
	55. East Coast Central	−0·5	−2·8	−1·7	+0·9	−3·1	−0·9	+0·9	+1·5	+1·6	−0·1	−0·8	−1·4	−0·5
	56. East Coast South .	−0·4	−1·5	−2·2	+0·6	−1·2	+0·5	−0·7	+1·4	+1·7	+0·6	+1·1	+0·1	0
	57. Madras South . .	−1·2	−1·5	−1·3	+1·8	−0·2	+1·8	−0·9	+0·1	+0·8	+0·2	+1·3	−0·4	−0·3

In the discussion of the meteorology of India, during the year 1904, 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.

The following is a summary of the most important temperature conditions during the year :—

I.—The cold weather period.—There was very little wet weather in January over the greater part of northern and central India. Two disturbances entered India from the highlands of Persia and Baluchistan but failed to advance into the Gangetic plain and Bengal: they gave however light to heavy rain in the plains of upper India and moderate to heavy snow in the hill districts. The warm and cool waves of the month were not so intense as frequently occur in January. Two cool waves appeared on the frontier and extended eastwards across northern and central India but they were feeble and caused only a moderate reduction of temperature. As usual the effects of these cool waves did not extend southwards to the southern half of the Peninsula, where the temperature conditions were determined by different actions and on most days varied inversely to those of northern India.

February was even more free from cold weather storms and the precipitation due to this cause was below the normal. On the other hand conditions were peculiarly favourable for the occurrence of thunderstorms and hailstorms in Bengal, Assam, Central India, the Central Provinces, Khandesh, Gujarat, Kathiawar and Sind, and these areas obtained more rain than usual.

In consequence of the absence of cold weather storms and of the unusually light snowfall in the mountain districts bordering north-western India the temperature conditions were much more stable than is ordinarily the case in February.

(*a*) The mean daily maximum temperature of the period January and February was above the normal over nearly the whole of northern India, and below it in the Peninsula and Burma. The excess was largest in Sind and Rajputana (1°·5);

and the defect in South India (2°·5) and the Madras Deccan (2°·4) :—

Province or Division.	Departure of maximum temperature from normal in		
	January.	February.	Cold weather period, January and February.
	°	°	°
Burma	—1·6	—1·5	—1·6
Assam	0	0	0
Bengal	+0·2	0	+0·1
Orissa	—1·2	—1·5	—1·4
Bihar	+0·2	+1·7	+1·0
Chota Nagpur	0	—0·8	—0·4
United Provinces of Agra and Oudh	0	+1·9	+1·0
Punjab	—3·2	+4·5	+0·7
North-West Frontier Province	—4·8	+5·1	+0·2
Sind	—1·4	+4·3	+1·5
Rajputana	0	+3·2	+1·6
Gujarat	+0·4	+1·5	+1·0
Central India	0	—1·0	—0·5
Central Provinces	+0·5	—1·3	—0·4
Berar	+0·9	—0·6	+0·2
West Coast	—0·1	—0·1	—0·1
Bombay Deccan	—0·2	—0·9	—0·6
Hyderabad	—1·6	—2·3	—2·0
Mysore	—1·4	—1·4	—1·4
Madras Coast	—1·4	—2·2	—1·8
Madras Deccan	—2·1	—2·6	—2·4
South India	—2·7	—2·2	—2·5

(*b*) Minimum temperature was on the mean of the two months normal or in slight excess generally in the Punjab, the North West Frontier Province, Sind, Gujarat, Central India, Berar, the Bombay Deccan and West Coast, and more or less below the normal over the remainder of the country. The deficiency was less than 2° in all divisions with the exception of Orissa where it averaged 2°·7 :—

Province or Division.	Departure of minimum temperature from normal in		
	January.	February.	Cold weather period, January and February.
	°	°	°
Burma	—0·3	—1·2	—0·8
Assam	—1·4	—0·7	—1·1
Bengal	—0·6	—0·5	—0·6
Orissa	—1·5	—3·8	—2·7
Bihar	—1·3	—1·0	—1·2
Chota Nagpur	+0·3	—0·9	—0·3
United Provinces of Agra and Oudh	0	—0·3	—0·2
Punjab	—0·1	+0·6	+0·3
North-West Frontier Province	+1·3	+0·3	+0·8
Sind	+0·2	+2·0	+1·1
Rajputana	—0·5	+0·4	—0·1
Gujarat	+1·2	+1·8	+1·5
Central India	+0·7	—0·3	+0·2
Central Provinces	+0·2	—1·8	—0·8
Berar	+1·8	+0·2	+1·0
West Coast	+0·9	—0·2	+0·4
Bombay Deccan	+2·3	—0·9	+0·7
Hyderabad	+1·4	—2·4	—0·5
Mysore	+0·3	—2·2	—1·0
Madras Coast	+0·9	—2·1	—0·6
Madras Deccan	+0·6	—3·2	—1·3
South India	—0·1	—1·1	—0·6

(*c*) Except in Burma, north-east and central India, Mysore, Hyderabad and Madras, mean temperature was higher than usual throughout the Indian area, the deficiency being on the whole greatest and most persistent in Orissa, South India and the Madras Deccan where it ranged between 1½° and 2°.

Province or Division.	Departure of mean temperature from normal in.		
	January.	February.	Cold weather period, January and February.
	°		°
Burma	—1·0	—1·4	—1·2
Assam	—0·7	—0·4	—0·6
Bengal	—0·2	—0·3	—0·3
Orissa	—1·4	—2·7	—2·1
Bihar	—0·6	+0·4	—0·1

Province or Division.	Departure of mean temperature from normals		
	January.	February.	Cold weather period, January and February.
	°	°	°
Chota Nagpur	+0·2	−0·9	−0·4
United Provinces of Agra and Oudh	0	+0·8	+0·4
Punjab	−1·7	+2·6	+0·5
North-West Frontier Province	−1·8	+2·7	+0·5
Sind	−0·6	+3·2	+1·3
Rajputana	−0·3	+1·8	+0·8
Gujarat	+0·8	+1·7	+1·3
Central India	+0·4	−0·7	−0·2
Central Provinces	+0·4	−1·6	−0·6
Berar	+1·4	−0·2	+0·6
West Coast	+0·4	−0·2	+0·1
Bombay Deccan	+1·1	−0·9	+0·1
Hyderabad	−0·1	−2·4	−1·3
Mysore	−0·6	−1·8	−1·2
Madras Coast	−0·3	−2·2	−1·3
Madras Deccan	−0·8	−2·9	−1·3
South India	−1·4	−1·7	−1·6

(*d*) The temperature conditions in Kashmir, Baluchistan and Persia were generally similar in character to those of north-western India, an indication that they were determined by general and not local actions. Temperature was unusually low in Afghanistan as represented by Kabul.

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

(*e*) The lowest temperatures of the period and also of the year in Persia, Baluchistan, Afghanistan and north-western India were generally recorded between January 15th and 21st, but they were with a few exceptions in no way remarkable.

II. ***The hot weather period.***—As frequently happens when February is dry, March 1904 was more disturbed than usual.

The rainfall of the month was above the normal over north-western and central India, and amounted in some places to three to six times the normal amount. Moderate to heavy snow was received on the higher ranges of the Kashmir and Punjab Himalayas and in Afghanistan. As might be expected under these conditions there was a succession of warm and cool waves during the month. Data of these changes will be found in the temperature section of the March Review. Finer weather than usual prevailed generally in India during April—a month characterized by well marked hot weather conditions. In May, on the other hand, thunderstorms were unusually frequent over northern and north-eastern India and a cyclonic storm in the last week occasioned heavy rain in the east of the Peninsula and north-east India. Temperature averaged from 1° to 3½° below the normal in these areas: it was on the other hand from 1° to 2° in excess in north-western India, Berar and the Bombay Deccan. A noteworthy feature of the temperature conditions of the last six days of the month was the abnormally low day temperature in the east of the Peninsula, Bihar and Chota Nagpur—a result of the heavy burst of rain accompanying the cyclonic storm of the period.

Date.	Station.	Departure of maximum temperature from normal.
		°
26th May 1904	Nellore	−25·3
27th " "	Gaya	−28·9
28th " "	"	−28·7
" " "	Raipur	−25·9
" " "	Sambalpur	−21·5

(*a*) Maximum temperature was much below the normal in north-western and central India in March, in Burma and Assam in April, and in the United Provinces and the province of Bengal in May. On the other hand there was a moderate excess in Sind both in April and May. On the average of the whole period the day temperature was

practically normal in the Peninsula and in slight defect in northern India.

Province or Division.	Departure of maximum temperature from normal in			
	March.	April.	May.	Period, March to May.
	°	°	°	°
Burma	−0·7	−3·8	−0·1	−1·3
Assam	+0·3	−3·4	−1·8	−1·6
Bengal	+1·4	−1·2	−2·1	−0·6
Orissa	+0·3	+0·3	−1·2	−0·2
Bihar	+0·7	+0·6	−4·9	−1·2
Chota Nagpur	−0·9	+2·3	−3·5	−0·8
United Provinces of Agra and Oudh.	−2·0	+0·7	−2·3	−1·2
Punjab	−5·5	+0·4	+0·2	−1·6
North-West Frontier Province	−6·2	+0·1	−0·1	−2·1
Sind	−4·0	+0·9	+2·5	+0·3
Rajputana	−3·7	+1·2	+1·1	−0·5
Gujarat	−3·2	−0·2	+0·3	−1·0
Central India	−4·0	+0·3	−0·1	−1·3
Central Provinces	−2·7	+1·3	−0·1	−0·5
Berar	−1·6	+1·6	+1·1	+0·4
West Coast	−0·8	−1·3	−0·6	−0·8
Bombay Deccan	−1·2	+1·4	+1·5	+0·6
Hyderabad	−1·5	+1·2	−0·3	−0·5
Mysore	−0·6	+0·4	−0·1	−0·4
Madras Coast	−1·6	+1·3	−1·8	−0·7
Madras Deccan	−0·9	+1·1	−1·4	−0·4
South India	−1·1	+1·4	−1·2	−0·3

(*b*) Minimum temperature differed but little from the normal. It was in slight excess in the Punjab, Rajputana and Berar and practically normal in all other divisions.

Province or Division.	Departure of minimum temperature from normal in			
	March.	April.	May.	Period, March to May.
	°	°	°	°
Burma	+1·0	−0·2	−0·1	+0·2
Assam	+0·3	−1·4	−0·6	−0·6
Bengal	+0·1	+0·4	−0·2	−0·2
Orissa	−0·4	+1·4	−0·7	+0·1
Bihar	0	+1·5	−1·6	0
Chota Nagpur	+0·6	+1·0	−2·9	−0·4
United Provinces of Agra and Oudh.	+0·4	+0·8	−0·8	+0·1
Punjab	+1·3	+1·1	+2·1	+1·5
North-West Frontier Province	+1·3	−0·2	+0·5	+0·5
Sind	−0·2	+1·3	+0·8	+0·6
Rajputana	+1·2	+1·0	+0·9	+1·0
Gujarat	+0·2	+0·3	+0·1	+0·2
Central India	−1·0	+1·0	+0·9	+0·3
Central Provinces	−0·7	−0·2	−0·2	−0·4
Berar	−0·3	+1·4	+1·8	+1·0
West Coast	−0·5	0	−0·5	−0·3
Bombay Deccan	−0·9	−0·4	+0·4	−0·3
Hyderabad	+0·1	+0·4	0	+0·2
Mysore	−0·5	−0·8	−0·4	−0·6
Madras Coast	−1·7	+0·7	−1·2	−0·7
Madras Deccan	−0·2	+0·2	−1·1	−0·4
South India	−1·6	+1·0	−0·9	−0·5

(*c*) The departures from normal of mean temperature were generally small in amount.

Province or Division.	Departure of mean temperature from normal in			
	March.	April.	May.	Period, March to May.
	°	°	°	°
Burma	+0·2	−2·0	−0·1	−0·6
Assam	+0·3	−2·4	−1·2	−1·1
Bengal	+0·8	−0·4	−1·7	−0·4
Orissa	−0·1	+1·0	−1·0	0
Bihar	+0·4	+1·1	−3·3	−0·9
Chota Nagpur	−0·2	+1·6	−3·2	−0·6
United Provinces of Agra and Oudh.	−0·8	+0·8	−1·6	−0·5
Punjab	−2·1	+0·8	+1·2	0
North-West Frontier Province	−2·5	−0·1	+0·2	−0·8
Sind	−2·1	+2·1	+1·7	+0·6
Rajputana	−1·3	+1·1	+1·0	+0·3
Gujarat	−1·5	+0·1	+0·2	−0·4
Central India	−2·3	+0·7	+0·4	−0·5

Province or Division.	Departure of mean temperatu from normal in			
	March.	April.	May.	Period, March to May.
	°	°	°	°
Central Provinces	−1·7	+0·6	−0·2	−0·4
Berar	−1·0	+1·5	+1·5	+0·7
West Coast	−0·6	−0·7	−0·6	−0·6
Bombay Deccan	−1·1	+0·5	+1·0	+0·1
Hyderabad	−0·7	+0·8	−0·7	−0·2
Mysore	−0·6	−0·2	−0·8	−0·5
Madras Coast	−1·7	+1·0	−1·5	−0·7
Madras Deccan	−0·6	+0·7	−1·3	−0·4
South India	−1·4	+1·2	−1·1	−0·4

(*d*) Over north-western India the hot weather conditions reached their maximum intensity in the fourth week of May when the highest temperatures of the year were observed at the majority of stations. As usual the absolute maximum was registered at Jacobabad.

Station.	Highest maximum temperature recorded during year.	Date on which recorded.	Highest maximum temperature recorded during year previous to 1904.	Year in which recorded.
	°		°	
Jacobabad	123·0	21st May.	126·0	1897 & 1901.
Kotah	117·1	22nd ,,	118·6	1897.
Montgomery	116·8	22nd ,,	121·9	1895.

It will be seen that these temperatures were from 1½° to 5° lower than the highest previously recorded.

(*e*) The average temperature conditions for the period were fairly normal over the greater part of the mountain region to the north and west of upper India.

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

III.—The south-west monsoon period.—The temperature conditions of the period were determined mainly by the very abnormal character of the monsoon currents. The Arabian Sea branch considered as a rain-giving current was very weak during the first three months; it however intensified to some extent in September and in conjunction with the Bay current gave a much-needed burst of rain over an area extending from the Deccan to the east Punjab and the United Provinces. The Bay current was on the other hand fairly steady and of normal intensity until about the 18th of September after which it fell off rapidly and became abnormally weak.

(*a*) On the mean of the period temperature was normal or below it over the region usually served by the Bay current, the defect being largest in Burma where it averaged 1° in amount. As is usually the case in the monsoon season the defect was on the whole somewhat more marked in the day than in the night temperature.

Province or Division.	Departure from normal of		
	Maximum temperature.	Minimum temperature.	Mean temperature.
	°	°	°
Burma	−1·5	−0·4	−1·0
Assam	+0·4	−0·2	+0·1
Bengal	+0·3	+0·1	+0·2
Orissa	−0·6	−0·7	−0·7
Bihar	−0·5	−0·4	−0·5
Chota Nagpur	−0·8	−0·4	−0·6
United Provinces of Agra and Oudh	−0·9	−0·4	−0·7

(*b*) Over the greater part of the field of the Bombay current on the other hand the mean temperature was above the normal; the departures were however small and of little significance except in the case of the Punjab and Gujarat where the excess averaged 1°. The excessive temperature accompanied less cloud and rain than usual and as usual under these circumstances

was exhibited chiefly in the maximum temperature.

Province or Division.	Departure from normal of		
	Maximum temperature.	Minimum temperature.	Mean temperature.
	°	°	°
Punjab	+0·9	+1·5	+1·2
North-West Frontier Province	+0·8	+0·3	+0·6
Sind	+1·3	−0·5	+0·4
Rajputana	+0·2	−0·1	+0·1
Gujarat	+1·9	+0·1	+1·0
Central India	−1·0	−0·2	−0·6
Central Provinces	−0·5	−0·9	−0·7
Berar	+0·5	0	+0·3
West Coast	−0·5	0	−0·3
Bombay Deccan	+1·4	−0·1	+0·7
Hyderabad	+0·4	+0·2	+0·3
Mysore	−0·5	−0·6	−0·6
Madras Coast	+1·1	0	+0·6
Madras Deccan	+1·3	+0·1	+0·7
South India	−0·9	−0·2	−0·6

(*c*) The temperature conditions in the plains of upper India were independent of those obtaining in the western Himalayas, Afghanistan, Baluchistan and Persia where temperature was lower than usual. Kashgar and Baghdad were apparently beyond the limits of this zone of low temperature.

Station.	Departure of mean temperature from normal in				
	June.	July.	August.	September.	Period, June to September.
	°	°	°	°	°
Kashgar	−0·7	+0·6	+2·9	+0·4	+0·8
Gilgit	−1·3	−1·5	−0·2	−2·9	−1·5
Leh	−1·1	−1·8	−2·0	−2·8	−1·9
Kailang	−0·5	−1·5	−1·7	−3·6	−1·8
Srinagar	+0·1	−0·1	−0·2	−1·3	−0·4
Chaman	−3·1	−4·3	−2·5	−2·5	−3·1
Quetta	−1·1	−1·7	−0·6	−2·7	−1·5
Kabul	−2·6	−1·8	−2·6	−2·8	−2·5
Ispahan	−0·6	−0·4	+0·5	−1·4	−0·5
Teheran	+0·3	+0·4	−0·4	−1·3	−0·3
Bushire	−0·9	+0·2	−1·3	−2.1	−1·0
Baghdad	+3·2	+2·4	+1·7	+0.4	+1·9

IV.—The retreating south-west monsoon period.—The departures of the temperature conditions from the normal during this season were determined, firstly, by the distribution of rainfall in August and September; secondly, by the prevalence in November and December of drier weather than usual in the Peninsula, a result of the deflection of the retreating monsoon current to Burma; and thirdly, by the establishment in November of conidtions presaging a severe winter.

(*a*) Maximum temperature was on the mean of the period in slight excess and the night temperature in slight defect in the Peninsula owing solely to the prevalence of much drier weather than usual. Mean temperature was in consequence practically normal over the greater part of the area.

Province or Division.	Departure from normal of		
	Maximum temperature	Minimum temperature.	Mean temperature.
	°	°	°
Orissa	0	+0·5	+0·2
Central Provinces	+0·9	−0·4	+0·3
Berar	+1·0	−0·5	+0·2
West Coast	+0·2	−0·6	−0·2
Bombay Deccan	+0·3	−0·5	−0·1
Hyderabad	+0·5	−1·2	−0·4
Mysore	+1·8	−1·6	+0·1
Madras Coast	+0·8	−0·7	+0·1
Madras Deccan	+1·6	−0·8	+0·4
South India	+1·1	−0·9	+0·1

(*b*) Mean daily temperature was in slight defect in Burma and Assam, practically normal in the Bengal Presidency and the United Provinces and in slight to moderate excess in north-western India. Conditions were remarkable in the Punjab where the day temperature was throughout in defect and the night temperature in excess of the normal.

Province or Division.	Departure from normal of		
	Maximum temperature.	Minimum temperature.	Mean temperature.
	°	°	°
Burma	−2·1	+0·4	−0·9
Assam	−1·2	−1·4	−1·3
Bengal	−0·1	−0·5	−0·3
Bihar	−0·1	−0·7	−0·4
Chota Nagpur	+1·0	+0·5	+0·7

Province or Division.	Departure from normal of		
	Maximum temperature.	Minimum temperature.	Mean temperature.
	°	°	°
United Provinces of Agra and Oudh	−1·0	+0·7	−0·2
Punjab	−0·9	+3·0	+1·1
North-west Frontier Province	−0·7	+3·0	+1·2
Sind	+2·0	+2·3	+2·2
Rajputana	+0·4	+1·9	+1·2
Gujarat	+2·1	+1·4	+1·8
Central India	+0·6	+0·4	+0·5

The year.—1904 was characterized by smaller departures from the normal temperature conditions than is frequently the case in India. The average over the country mean temperature was in defect in March, May, June, July and November, the defect being a maximum in March when it averaged 0°·8. It was on the other hand above the normal in February, April, August, October and December by amounts ranging from 0°·2 to 0°·5. During the other two months of the year mean temperature agreed exactly with the normal :—

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

The mean temperature of the year in extra-tropical India was 0°·2 above the normal, whilst that of tropical India was 0°·2 in defect, an illustration of the occasional opposition between the departures of meteorological conditions of the two regions. Owing to the compensatory character of the departures the mean temperature of the whole Indian area was identical with the normal.

The largest departures for the whole year were :—

Greatest Excess.		Greatest Defect.	
Station.	Amount.	Station.	Amount.
	°		°
Sialkot	+1·9	Murree	−2·0
Deesa	+1·8	Toungoo	−1·7
Jacobabad	+1·5	Yamethin	−1·6
Ahmedabad	+1·2	Bhamo	−1·4
Rawalpindi	+1·2	Raipur	−1·3
Lahore	+1·1	Minbu	−1·2
Pachpadra	+1·1	Mandalay	−1·1
Ajmer	+1·0	Sibsagar	−1·1
		Sambalpur	−1·0
		Gopalpur	−1·0

The following table gives the mean departure and progressive change of the mean actual temperature of the past 15 years :—

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	−0·88
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

Atmospheric pressure.

Full information regarding the 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 the annual reports of previous years (*e.g.*, pages 58 and 59 of the report for 1890) and also in pages 7 and 8 of the monthly review for January 1904.

In Table II 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 have been recalculated for all first and second class stations, data up to 1899 being utilized, 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 1904 were obtained by a comparison of the actual monthly means with these normals, and the departures of the monthly pressures of all first and second class stations in 1904 are given in Table XIV. The figures in the seventh and eighth columns of Table II appended to the present Annual Summary, giving data of the mean pressure of the air and its departures 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 II in each monthly review the mean pressures reduced to sea-level and corrected to constant gravity (Lat. 45°) are given. These, it should be noted, 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 I of each monthly review, and also in that appended to the Annual Summary, the pressure data are given for a fixed hour (*viz.*, 8 A.M. local time) of the day. The fifth column in that table gives the mean 8 A.M. pressures for the month corrected for temperature. In the sixth column are given the departures of these mean 8 A.M. pressures from the normal mean 8 A.M. pressures.

TABLE XIV.—*Departures from normal of monthly and annual mean pressures in 1904.*

Meteorological Division.	Station.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
		"	"	"	"	"	"		"	"	"	"	"	"
Burma Coast and Bay Islands.	Port Blair	0	—·007	—·010	+·011	+·015	—·004	+·018	+·016	+·028	+·009	+·039	+·047	+·013
	Rangoon	0	—·014	—·026	—·012	+·002	—·038	—·016	—·009	—·012	—·010	+·015	+·035	—·007
	Diamond Island	—·003	—·021	—·039	—·010	+·002	—·043	—·013	—·009	—·007	—·010	+·020	+·035	—·008
	Akyab	—·002	—·014	—·040	—·024	—·001	—·078	—·016	—·013	—·024	—·003	+·006	+·036	—·014
Bengal and Orissa.	Chittagong	—·009	—·023	—·042	—·048	—·002	—·084	—·023	—·022	—·032	+·001	+·010	+·037	—·020
	Calcutta (Alipore).	+·008	+·005	—·020	—·074	+·008	—·064	—·017	—·022	+·007	+·025	+·015	+·033	—·008
	Saugor Island	+·011	—·006	—·020	—·066	+·004	—·074	—·040	—·039	—·013	+·013	+·010	+·026	—·017
	False Point	+·004	—·001	—·025	—·070	—·012	—·070	—·015	—·022	0	+·010	+·012	+·023	—·014
Gangetic Plain and Chota Nagpur.	Hazaribagh	+·004	—·002	—·009	—·084	—·025	—·046	—·035	—·021	+·012	+·016	+·005	+·017	—·014
	Darbhanga	+·001	—·004	—·026	—·072	+·015	—·022	—·022	?	?	?	?	?	?
	Allahabad	+·015	+·007	—·010	—·072	—·012	—·032	—·019	—·008	+·020	+·004	+·025	+·029	—·004
Upper Sub-Himalayas.	Dehra Dun	+·021	+·005	—·015	—·091	—·023	—·040	—·042	—·017	+·007	—·003	+·020	+·028	—·013
	Roorkee	+·017	+·004	—·017	—·092	—·017	—·034	—·021	—·007	+·013	+·006	+·024	+·037	—·007
	Meerut	+·013	—·004	—·015	—·085	—·024	—·035	—·020	—·012	+·004	0	+·020	+·024	—·011
	Lahore	+·030	—·003	—·003	—·081	—·037	—·040	—·044	—·019	+·007	—·005	+·021	+·012	—·014
	Ludhiana	+·015	+·005	—·003	—·076	—·028	—·020	—·020	—·017	+·007	—·009	+·019	+·022	—·003
Indus Valley and North-West Rajputana.	Peshawar	+·030	+·003	—·009	—·064	—·027	—·048	—·027	—·002	+·015	+·001	+·021	+·018	—·007
	Jacobabad	+·032	—·002	—·013	—·058	—·030	—·013	—·026	—·014	+·011	—·010	+·004	+·024	—·008
	Kurrachee	+·032	—·014	—·012	—·037	—·033	—·004	+·001	+·011	+·013	—·005	+·035	+·021	—·003

TABLE XIV.—*Departures from normal of monthly and annual mean pressures in 1904*—concld.

Meteorological Province.	Station.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
		"	"	"	"	"	"	"	"	"	"	"	"	"
East Rajputana, Central India and Gujarat.	Jaipur	+·023	+·011	−·007	−·051	−·023	−·005	−·011	+·006	+·013	+·002	+·026	+·019	0
	Deesa	+·014	−·010	−·009	−·033	−·028	0	0	+·007	+·018	−·018	+·041	+·017	0
Deccan	Belgaum	+·007	−·003	−·011	−·010	−·003	+·025	+·003	+·020	+·029	−·003	+·055	+·019	+·011
	Sholapur	+·005	−·009	−·021	−·027	−·019	−·002	−·012	+·004	+·020	−·001	+·057	+·019	+·001
	Akola	+·020	+·006	−·011	−·032	−·015	−·003	−·009	+·013	+·024	+·005	+·048	+·018	+·005
	Buldana	−·020	−·028	?	−·051	−·034	−·015	−·021	−·008	+·005	−·015	+·022	−·016	?
	Khandwa	+·013	+·007	−·009	−·025	−·014	−·003	−·011	+·007	+·015	−·010	+·050	+·013	+·003
	Nagpur	+·028	+·021	+·004	−·037	−·002	−·008	+·004	+·024	+·037	+·019	+·049	+·023	+·014
	Hyderabad (Deccan).	+·016	+·001	−·019	−·043	−·007	−·001	+·001	+·017	+·029	+·009	+·053	+·028	+·007
West Coast	Bombay	+·001	−·016	−·016	−·008	−·007	+·023	+·007	+·019	+·040	−·006	+·059	+·020	+·010
	Karwar	−·004	−·013	−·012	−·003	+·001	+·034	+·004	+·028	+·038	−·003	+·056	+·033	+·014
South India	Salem	+·006	−·014	−·024	−·038	−·013	+·018	−·004	+·006	+·012	−·010	+·044	+·019	0
	Chitaldroog	+·008	+·005	−·011	−·016	−·007	+·040	+·005	+·025	+·029	−·003	+·042	+·017	+·011
	Bangalore	+·001	−·007	−·017	−·013	−·004	+·013	−·009	+·010	+·019	−·009	+·041	+·015	+·003
	Hassan	+·005	0	−·008	+·003	+·004	+·052	+·011	+·033	+·044	+·005	+·043	+·020	+·018
	Mysore	−·006	−·003	−·017	−·012	−·013	+·041	−·003	+·018	+·027	−·015	+·033	+·008	+·005
	Madras	−·003	+·002	−·010	−·043	+·002	+·003	−·007	−·003	+·016	−·001	+·045	+·030	+·002
	Bellary	−·001	−·012	−·029	−·038	−·026	−·003	−·018	+·003	+·017	−·013	+·041	+·011	+·006
Hill Station, Baluchistan.	Quetta	+·043	+·056	−·006	+·019	+·015	+·028	+·021	+·041	+·060	+·043	+·028	+·003	+·029
Hill Stations, Northern India.	Leh	−·033	+·099	−·054	−·033	+·001	−·012	−·010	−·006	−·001	+·004	+·030	+·024	+·001
	Srinagar	0	+·086	−·033	−·071	+·003	−·021	−·037	−·001	+·013	+·027	+·023	+·018	+·001
	Simla (Ridge)	+·017	+·053	−·020	−·038	−·003	−·004	−·012	+·003	+·018	+·014	+·020	+·020	+·006
	Chakrata	+·012	+·038	−·028	−·061	−·004	−·011	−·020	−·001	+·016	+·005	+·010	+·011	−·003
	Ranikhet	+·024	+·027	−·021	−·071	−·023	−·033	−·037	−·019	−·003	+·008	+·008	+·021	−·010
	Darjeeling	+·007	+·014	−·028	−·043	+·005	+·001	−·014	−·005	−·007	−·002	−·006	0	−·007
Hill Stations, Central India.	Mount Abu	+·011	+·008	−·026	−·030	−·022	−·004	−·012	+·005	+·018	−·012	+·029	+·008	−·002
	Pachmarhi	+·022	+·018	−·005	−·013	+·032	+·040	+·027	+·036	−·005	−·051	−·003	−·020	+·007
	Chikalda	−·021	−·025	−·041	−·047	−·020	−·015	−·024	−·004	+·002	−·015	+·010	−·019	−·018
Extra Indian Stations.	Aden	−·011	−·021	−·047	−·035	−·013	+·027	−·013	+·027	+·036	+·006	+·048	+·013	+·001
	Perim	0	+·023?	+·039?	?	?	+·137	+·003	+·033	+·052	+·004	+·049	+·022	?
	Zanzibar	−·005	−·015	−·019	+·014	−·001	+·040	+·002	+·025	+·047	−·016	+·046	−·003	+·010
	Port Victoria (Seychelles).	+·004	−·011	+·003	+·011	−·007	+·068	−·017	+·019	+·037	0	+·051	+·007	?
	Mauritius	+·063	−·015	−·049	−·004	+·006	+·062	+·002	+·033	+·043	−·029	+·066	+·018	+·016

The following tables give summaries of the pressure departure data according to the two groups of divisions employed in the corresponding tables of temperature departure data, that is, for the sixteen divisions for which the departure data were given in the "Geographical Summaries" in the annual reports previous to 1891 and the eleven meteorological provinces in Table I of each monthly review:—

TABLE XV.—*Geographical summary of the pressure departure data of Table II in the Monthly Weather Reviews of 1904.*

METEOROLOGICAL PROVINCE.	Number of stations.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
		"	"	"	"	"	"	"	"	"	"	"	"	"
North-West Himalayas	5	+·004	+·061	—·031	—·055	—·005	—·016	—·023	—·005	+·009	+·012	+·018	+·019	—·002
Sikkim Himalayas and Nepal.	1	+·007	+·014	—·028	—·043	+·005	+·001	—·014	—·005	—·007	—·002	—·006	0	—·007
Punjab Plains . .	3	+·025	+·002	—·005	—·074	—·031	—·036	—·030	—·009	+·010	—·004	+·020	+·017	—·010
Gangetic Plain . .	4—5	+·013	+·002	—·017	—·082	—·018	—·033	—·025	—·011	+·011	+·002	+·022	+·030	—·008
Western Rajputana .	4	+·022	—·005	—·015	—·040	—·028	—·005	—·009	+·002	+·020	—·011	+·027	+·018	—·002
Eastern Rajputana and Central India.	1	+·023	+·011	—·007	—·051	—·023	—·005	—·011	+·006	+·013	+·002	+·026	+·019	0
Nerbudda Valley .	1	+·013	+·007	—·009	—·025	—·014	—·003	—·011	+·007	+·015	—·010	+·050	+·013	+·003
Chota Nagpur . .	1	+·004	—·002	—·009	—·084	—·025	—·046	—·035	—·021	+·012	+·016	+·006	+·017	—·014
Lower Bengal . .	2	+·010	—·001	—·020	—·070	+·006	—·069	—·029	—·031	—·003	+·019	+·013	+·030	—·012
Orissa . . .	1	+·004	—·001	—·025	—·070	—·012	—·070	—·015	—·022	0	+·010	+·012	+·023	—·014
Central Provinces (South) and Berar.	4—5	+·006	—·002	—·013	—·036	—·008	0	—·005	+·012	+·013	—·011	+·025	—·003	—·002
Konkan . . .	2	—·002	—·015	—·014	—·006	—·003	+·029	+·006	+·024	+·039	—·005	+·063	+·027	+·012
Deccan, Hyderabad and Mysore.	8	+·001	—·001	—·006	—·005	—·003	+·018	+·001	+·011	+·015	—·003	+·020	+·008	+·005
East Coast and Carnatic.	2	+·002	—·006	—·017	—·042	—·006	+·011	—·006	+·002	+·014	—·006	+·045	+·025	+·001
Arakan and Pegu .	4	+·004	—·018	—·037	—·024	+·001	—·060	—·017	—·013	—·019	—·006	+·013	+·036	—·012
Bay Islands . .	1	0	—·007	—·010	+·011	+·015	—·004	+·012	+·016	+·028	+·009	+·039	+·047	+·013
Extra-Tropical India	22—23	+·014	+·014	—·018	—·061	—·016	—·025	—·022	—·007	+·010	+·002	+·021	+·020	—·006
Tropical India . .	22—23	+·002	—·006	—·016	—·020	—·003	—·004	—·004	+·006	+·010	—·004	+·026	+·016	0
Whole India . .	45—46	+·008	+·004	—·017	—·041	—·010	—·014	—·013	—·001	+·010	—·001	+·023	+·018	—·003

TABLE XVI.—*Departure of the mean monthly pressure from the normal in the eleven meteorological provinces of India in 1904.*

METEOROLOGICAL PROVINCE.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	YEAR.
	"	"	"	"	"	"	"	"	"	"	"	"	"
Burma Coast and Bay Islands.	+·005	—·002	—·024	—·004	+·009	—·032	—·015	—·012	—·004	+·001	+·024	+·042	—·001
Burma Inland . .	+·036	+·029	—·010	—·007	+·016	—·030	—·009	—·003	—·002	+·018	+·019	+·053	+·009
Assam . . .	+·005	+·007	—·032	—·051	+·006	—·056	—·027	—·019	—·009	+·014	+·027	+·041	—·008
Bengal and Orissa .	+·008	+·005	—·022	—·063	+·011	—·059	—·019	—·012	—·001	+·020	+·022	+·035	—·006

TABLE XVI.—*Departure of the mean monthly pressure from the normal in the eleven meteorological provinces of India in 1904*—concld.

METEOROLOGICAL PROVINCE.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	YEAR.
	"	"	"	"	"	"	"	"	"	"	"	"	"
Gangetic Plain and Chota Nagpur.	+·008	+·010	—·012	—·076	+·002	—·035	—·025	—·012	+·015	+·012	+·025	+·032	—·005
Upper Sub-Himalayas	+·017	+·015	—·013	—·077	—·015	—·032	—·027	—·008	+·012	+·007	+·025	+·027	—·006
Indus Valley and North-West Rajputana.	+·022	+·008	—·013	—·058	—·023	—·020	—·017	—·011	+·018	—·001	+·023	+·016	—·004
East Rajputana, Central India and Gujarat.	+·012	+·005	—·008	—·034	—·016	+·009	—·007	+·009	+·024	0	+·043	+·017	+·005
Deccan . . .	+·014	+·012	—·004	—·036	—·009	+·001	—·006	+·012	+·024	+·007	+·047	+·016	+·007
West Coast . .	—·005	—·002	—·012	—·005	—·006	+·038	0	+·018	+·035	—·005	+·063	+·017	+·011
South India . .	+·003	+·007	—·008	—·029	—·004	+·015	0	+·013	+·031	+·004	+·056	+·028	+·010

1.—The cold-weather period.—The mean 8 A.M. pressure of the Indian land area was above the normal throughout the period, the excess averaging ·010″ in January and ·008″ in February. The pressure conditions of the period at the level of the plains were hence much less abnormal than in the corresponding seasons of 1903 and 1902 when the mean departure was +·042″ and +·038″ respectively.

The excesses of the pressure departures for local districts over the mean departure of India, sometimes called "pressure anomalies," were neither large nor important:—

PROVINCE OR DIVISION.	EXCESS OF PRESSURE DEPARTURE OVER GEOGRAPHICAL MEAN OF INDIA.		
	January.	February.	Period, January and February.
	"	"	"
Burma	+·007	+·001	+·004
Assam	—·005	—·001	—·003
Bengal	—·001	—·005	—·003
Orissa	—·002	—·006	—·004
Bihar	—·001	+·002	+·001
Chota Nagpur	—·002	+·003	+·001
U. P. of Agra and Oudh . . .	—·002	+·003	+·001
Punjab	+·013	+·010	+·012
North-West Frontier Province . .	+·008	—·002	+·003

PROVINCE OR DIVISION.	EXCESS OF PRESSURE DEPARTURE OVER GEOGRAPHICAL MEAN OF INDIA.		
	January.	February	Period, January and February.
	"	"	"
Sind	+·010	—·015	—·003
Rajputana	+·011	+·009	+·010
Gujarat	—·003	—·014	—·009
Central India	+·006	+·008	+·007
Central Provinces	+·005	+·007	+·006
Berar	+·011	+·013	+·012
West Coast	—·015	—·010	—·013
Bombay Deccan	—·002	—·007	—·005
Hyderabad	+·003	+·009	+·006
Mysore	—·011	—·006	—·009
Madras Coast	—·002	+·002	0
Madras Deccan	—·005	0	—·003
South India	—·013	—·003	—·008

Conditions were on the other hand very abnormal at the level of the hill stations in northern India where pressure was in excess relatively to the neighbouring plains. The decreased vertical gradient was in fact the only important feature of the pressure distribution of the period and was

as usual associated with the prevalence of much drier weather than usual.

Pair of stations.	Departures from normal of vertical pressure differences.		
	January.	February.	Period, January and February.
	"	"	"
Lahore and Leh	+·060	—·122	—·026
Jacobabad and Quetta	—·030	—·075	—·053
Peshawar and Murree	+·024	—·048	—·012
Ludhiana and Simla	+·004	—·041	—·019
Roorkee and Chakrata	+·003	—·025	—·011
Bareilly and Ranikhet	—·009	—·026	—·018
Dhubri and Darjeeling	—·015	—·023	—·019
Deesa and Mount Abu	—·002	—·022	—·012
Hoshangabad and Pachmarhi	+·016	+·004	+·010
Coimbatore and Wellington	+·003	+·009	+·006

Pressure was fairly normal at the extra Indian stations, the only noteworthy feature being the opposite character of the departures in the extreme north and south of the Indian monsoon region :—

Station.	Departure of pressure from normal in		
	January.	February.	Period, January and February.
	"	"	"
Kashgar	—·020	—·038	—·029
Bushire	—·025	+·021	—·002
Jask	—·038	+·003	—·018
Muscat	—·073?	—·037?	—·055?
Baghdad	—·019	+·037	+·009
Aden	—·008	—·009	—·009
Perim	+·006	+·015	+·011
Zanzibar	—·005	—·015	—·010
Seychelles	+·004	—·011	—·004
Mauritius	+·063	—·015	+·024

II.—The hot-weather period.—(1) Pressure was below the normal during the whole period :—

Month.	Departure from normal of mean pressure in		
	Extra-tropical India.	Tropical India.	Whole India.
	"	"	"
March	—·018	—·016	—·017
April	—·061	—·020	—·041
May	—·016	—·003	—·010

The corresponding departures of temperature given below show that the deficiency of pressure during the period was not merely the product of temperature conditions of the lowest air stratum :—

Month.	Departure from normal of mean temperature in		
	Extra-tropical India.	Tropical India.	Whole India.
	°	°	°
March	—1·0	—0·7	—0·8
April	+0·9	0	+0·5
May	—0·4	—0·4	—0·4

(2) The deficiency of pressure was almost as great in Kashgaria and Persia as in India :—

Station.	Departure of pressure from normal in			
	March.	April.	May.	Period, March to May.
	"	"	"	"
Kashgar	—·074	—·078	—·020	—·057
Bushire	—·028	+·004	+·030	+·002
Jask	—·036	—·045	—·038	—·040
Muscat	—·014	—·026	—·014	—·018
Baghdad	—·106	—·040	+·034	—·037
Aden	—·032	—·024	—·010	—·022
Perim	+·047	+·082	+·095	+·075
Zanzibar	—·019	+·014	—·001	—·002
Seychelles	+·003	+·011	—·007	+·002
Mauritius	—·049	—·044	+·006	—·016

(3) Pressure was on the mean of the period locally in excess in the Peninsula and Burma and was in defect over northern India. The deficiency was on the whole most marked in the Punjab, the North-west Frontier Province and the United Provinces, and the excess in Burma, Berar and the west Coast.

The peculiarities of the distribution of pressure departures in May were generally opposite in character to those of

April, an indication of the instability of the pressure conditions during the period :—

Province or Division.	Excess of pressure departure over geographical mean of India.			
	March.	April.	May.	Period, March to May.
	"	"	"	"
Burma	—·008	+·036	+·016	+·015
Assam	—·020	—·009	+·010	—·006
Bengal	—·011	—·020	+·017	—·005
Orissa	—·007	—·023	+·008	—·007
Bihar	—·006	—·033	+·013	—·009
Chota Nagpur	+·009	—·031	—·006	—·009
United Provinces of Agra and Oudh.	—·004	—·036	+·003	—·012
Punjab	+·002	—·032	—·018	—·016
North-West Frontier Province	—·007	—·032	—·016	—·018
Sind	—·001	—·005	—·020	—·009
Rajputana	+·004	—·003	—·011	—·003
Gujarat	+·008	+·019	—·017	+·003
Central India	+·006	—·009	—·007	—·003
Central Provinces	+·010	—·002	—·002	+·002
Berar	+·018	+·014	+·004	+·012
West Coast	0	+·037	—·002	+·012
Bombay Deccan	+·004	+·019	—·008	+·005
Hyderabad	+·008	+·011	—·009	+·003
Mysore	+·003	+·029	—·007	+·008
Madras Coast	+·004	+·004	+·008	+·005
Madras Deccan	+·005	+·010	—·004	+·004
South India	+·003	+·018	—·006	+·005

(4) The vertical gradients in northern and central India were on the whole steeper than usual in March—a very wet month—and below their normal intensity in the two succeeding months :—

Pair of stations.	Departures from normal of vertical pressure differences.			
	March.	April.	May.	Period, March to May.
	"	"	"	"
Lahore and Leh	+·035	—·034	—·029	—·009
Jacobabad and Quetta	—·008	—·082	—·050	—·047
Peshawar and Murree	+·015	—·025	—·009	—·006
Ludhiana and Simla	+·011	—·035	—·033	—·019
Roorkee and Chakrata	+·013	—·012	+·003	+·001
Bareilly and Ranikhet	—·002	—·015	+·011	—·002
Dhubri and Darjeeling	—·003	—·015	—·001	—·006
Deesa and Mount Abu	+·017	+·003	—·005	+·005
Hoshangabad and Pachmarhi	+·001	—·018	—·053	—·023
Coimbatore and Wellington	—·003	—·013	—·004	—·007

III.—The south-west monsoon period.—

(*a*) Pressure in the Indian land area was in slight defect in June and July, practically normal in August and slightly above the average in September. There was thus a distinct increase of pressure over India from July to September :—

Month.	Departure from normal of mean pressure in		
	Extra-tropical India.	Tropical India.	Whole India.
	"	"	"
June	—·025	—·004	—·014
July	—·022	—·004	—·013
August	—·007	+·006	—·001
September	+·010	+·010	+·010

(*b*) Pressure was throughout the period in defect locally in Burma, Bengal, Assam, the United Provinces,—the region of excessive rainfall—the Punjab and the North-west Frontier Province, and in excess in the area of deficient rains in the Peninsula :—

Province or Division.	Excess of pressure departure over geographical mean of India.				
	June.	July.	August.	September.	Period, June to September.
	"	"	"	"	"
Burma	—·020	—·004	—·011	—·023	—·015
Assam	—·043	—·015	—·021	—·026	—·026
Bengal	—·047	—·009	—·014	—·021	—·023
Orissa	—·050	0	—·013	—·008	—·018
Bihar	—·017	—·012	—·016	—·007	—·013
Chota Nagpur	—·040	—·017	—·014	—·001	—·018
United Provinces of Agra and Oudh.	—·018	—·013	—·012	—·004	—·012
Punjab	—·018	—·020	—·009	—·005	—·013
North West Frontier Province.	—·036	—·025	—·012	—·006	—·020
Sind	+·015	+·004	+·001	+·008	+·007
Rajputana	+·016	+·001	+·008	+·002	+·007
Gujarat	+·034	+·018	+·012	+·016	+·020
Central India	+·005	—·012	0	+·004	—·001
Central Provinces	+·003	+·005	+·010	+·007	+·006
Berar	+·023	+·014	+·021	+·013	+·018
West Coast	+·051	+·012	+·016	+·018	+·024
Bombay Deccan	+·027	+·009	+·010	+·010	+·014
Hyderabad	+·023	+·009	+·011	+·005	+·012
Mysore	+·042	+·007	+·013	+·013	+·019
Madras Coast	+·013	+·014	+·010	+·012	+·012
Madras Deccan	+·024	+·009	+·008	+·008	+·012
South India	+·047	+·013	+·013	+·023	+·024

The local features of the pressure distribution were hence remarkably persistent and were of the type obtaining in March and April.

(*c*) The vertical pressure gradient in north-west India was persistently below the normal: it was, on the other hand, practically normal in central and southern India:—

Pair of stations.	Departures from normal of vertical pressure differences.				
	June.	July.	August.	September.	Period, June to September.
	"	"	"	"	"
Lahore and Leh	—·030	—·035	—·017	+·011	—·018
Jacobabad and Quetta	—·039	—·054	—·045	—·043	—·045
Peshawar and Murree	—·030	—·007	+·007	—·003	—·008
Ludhiana and Simla	—·031	—·025	—·020	—·013	—·022
Roorkee and Chakrata	—·022	+·001	+·001	+·006	—·004
Bareilly and Ranikhet	—·005	+·013	+·005	+·011	+·006
Dhubri and Darjeeling	—·038	—·005	—·005	+·004	—·011
Deesa and Mount Abu	+·009	+·013	+·009	+·012	+·011
Hoshangabad and Pachmarhi.	—·027	—·024	+·002	+·030	—·005
Coimbatore and Wellington.	+·016	+·003	+·004	+·014	+·009

(*d*) The excess of pressure in the south and west of the Peninsula extended southwards to Mauritius, westwards to Perim, Zanzibar and Bushire, and was hence not a local but a general feature. As was the case in the Punjab pressure ruled in defect at Kashgar:—

Station.	Departure of pressure from normal in				
	June.	July.	August.	September.	Period, June to September.
	"	"	"	"	"
Kashgar	—·028	—·046	—·067	—·061	—·051
Bushire	+·012	—·017	+·018	+·032	+·011
Jask	—·001	—·026	—·014	+·005	—·009
Muscat	+·009	—·022	+·008	+·028	+·006
Baghdad	—·005	—·006	—·005	+·020	+·001
Aden	+·034	—·009	+·021	+·038	+·021
Perim	+·130	—·002	+·025	+·056	+·052
Zanzibar	+·040	+·002	+·025	+·047	+·029
Seychelles	+·068	—·017	+·019	+·037	+·027
Mauritius	+·062	+·002	+·033	+·043	+·035

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

(*a*) The excess of pressure which had characterized September continued throughout the next three months, being at a maximum in November when pressure was nearly as much above the average as it had been below it in April, the month of largest pressure departure during the year:—.

Month.	Departure from normal of mean 8 A. M. pressure.
October	+·006
November	+·038
December	+·027

As temperature differed but little from the normal during November and December it is certain that the large excess of pressure in these months was not a direct consequence of the departures of the surface temperature but due to some other action operating in the middle and upper atmospheric strata. It is noteworthy that the majority of the extra Indian stations exhibited departures similar in character to those of the Indian area:—

Station.	Departure of pressure from normal in			
	October.	November.	December.	Period, October to December.
Kashgar	—·083	+·068	—·031	—·015
Bushire	+·020	+·010	+·006	+·012
Jask	—·018	—·032	—·023	—·024
Muscat	—·002	+·005	+·016	+·007
Baghdad	+·014	—·035	—·020	—·014
Aden	+·004	+·040	+·013	+·019
Perim	+·004	+·038	+·028	+·023
Zanzibar	—·016	+·046	—·003	+·009
Seychelles	0	+·051	+·007	+·019
Mauritius	—·029	+·066	+·018	+·018

(*b*) The peculiarities of the distribution of pressure departures changed considerably in character from month to month. In October pressure was locally in excess over the greater part of northern India, and in defect over practically the whole of the Peninsula; these conditions were reversed in November, but only to revert to the October type in December.

On the mean of the whole period there was a slight deficiency of pressure in Burma and Bengal relatively to the Peninsula—a type of

distribution usually associated with a diversion of the retreating current to Burma :—

Province or Division.	Excess of pressure departure over geographical mean of India.			
	October.	November.	December.	Period, October to December.
	"	"	"	"
Burma	0	—·017	+·017	0
Assam	+·008	—·011	+·014	+·004
Bengal	+·015	—·016	+·011	+·003
Orissa	+·009	—·021	—·008	—·007
Bihar	+·012	—·013	+·013	+·004
Chota Nagpur	+·007	—·016	—·001	—·003
United Provinces of Agra and Oudh.	+·005	—·012	+·002	—·002
Punjab	—·003	—·013	—·004	—·007
North-West Frontier Province	—·009	—·028	—·017	—·018
Sind	—·010	—·016	—·006	—·011
Rajputana	+·001	—·004	—·006	—·004
Gujarat	—·009	+·016	—·011	—·001
Central India	0	—·002	—·006	—·003
Central Provinces	+·002	+·004	—·010	—·001
Berar	+·007	+·024	—·007	+·008
West Coast	—·012	+·025	—·010	+·001
Bombay Deccan	—·006	+·018	—·012	0
Hyderabad	—·001	+·007	—·007	0
Mysore	—·008	+·010	—·011	—·003
Madras Coast	+·003	+·016	+·009	+·009
Madras Deccan	—·006	+·013	—·008	0
South India	—·002	+·030	+·003	+·010

(*c*) A noteworthy feature of the pressure conditions of the period was the rapid strengthening of the vertical gradient over by far the greater part of the country—a condition favourable for more disturbed weather than usual during the succeeding cold season :—

Pair of stations.	Departure from normal of vertical pressure differences.			
	October.	November.	December.	Period. October to December.
	"	"	"	"
Lahore and Leh	+·004	—·011	—·001	—·003
Jacobabad and Quetta	—·053	—·020	+·012	—·020
Peshawar and Murree	—·004	—·006	—·007	—·006
Ludhiana and Simla	—·022	+·023	+·008	0
Roorkee and Chakrata	—·002	+·013	+·011	+·007
Bareilly and Ranikhet	—·004	+·018	+·014	+·009
Dhubri and Darjeeling	+·014	+·023	+·028	+·022
Deesa and Mount Abu	+·001	+·010	+·006	+·006
Hoshangabad and Pachma	?	+·028	+·037	?
Coimbatore and Wellington	+·001	+·024	+·023	+·016

The year.—The mean pressure of the year (as determined from 10 and 16 hours' observations) was identical with the normal in tropical India and ·006″ in defect in extra-tropical India. The only noteworthy departures from the normal pressure conditions during the year were the large defect in April and the moderate to considerable excess in November and December. The deficiency of pressure in April and the excess in December coincided with a very slight elevation of temperature, whereas the excessive pressure in November accompanied a slight depression of temperature, indicating that these large pressure abnormalities were not merely the product of temperature variations in the lower atmospheric strata :—

Month.	Departure from normal of mean pressure in		
	Extra-tropical India.	Tropical India.	Whole India.
	"	"	"
January	+·014	+·002	+·008
February	+·014	—·006	+·004
March	—·018	—·016	—·017
April	—·061	—·020	—·041
May	—·016	—·003	—·010
June	—·025	—·004	—·014
July	—·022	—·004	—·013
August	—·007	+·006	—·001
September	+·010	+·010	+·010
October	+·002	—·004	—·001
November	+·021	+·026	+·023
December	+·020	+·016	+·018
Whole year	—·006	0	—·003

The provincial departures were generally small, exceeding ·010″ only in the undermentioned areas :—

Excess.		Defect.	
Area.	Amount.	Area.	Amount.
	"		"
Bay Islands	+·013	Chota Nagpur	—·014
Konkan	+·012	Orissa	—·014
		Lower Bengal	—·012
		Arakan and Pegu	—·012

Pressure was in excess of the normal at the majority of the hill stations as compared with the neighbouring plains;

in other words the vertical gradient was feebler than usual :—

Pair of stations.	Departure from normal of vertical pressure differences.
	"
Lahore and Leh	—·015
Jacobabad and Quetta	—·040
Peshawar and Murree	—·007
Ludhiana and Simla	—·015
Roorkee and Chakrata	—·001
Bareilly and Ranikhet	+·001
Dhubri and Darjeeling	—·003
Deesa and Mount Abu	+·004
Hoshangabad and Pachmarhi	—·001

Below are given the departures and progressive changes of pressure in the Indian land area during the past 30 years :—

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

The following is a statement of the more important cyclonic storms formed in the Bay of Bengal and the land area of India during the south-west monsoon of 1904, drawn up in the same form as in previous years; in the Arabian Sea no storms appear to have occurred. The tracks of the more important 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	May	23rd to 28th	·35"	Cyclonic storm of moderate intensity.	This storm formed over the south-west of the Bay on the 23rd and 24th May in front of a temporary advance of humid winds and marching along a north-westerly track struck the Circars coast near Cocanada on the morning of the 26th. It then changed its course and advancing in a north-north-easterly to north-easterly direction passed into north Bengal where it broke up during the 28th. It was a storm of moderate intensity and occasioned a moderately heavy burst of rain along its path.
2	June	2nd to 5th	·23"	Cyclonic storm of moderate intensity.	This storm originated on the 2nd over the north of the Andaman Sea, passed out into the Bay on the 3rd, at 8 A.M. of which day it was central about 50 miles south-west of Diamond Island and broke up as a definite system during the next 24 hours while advancing northwards parallel to the Arakan Coast. The storm was feeble throughout its existence and exercised but little influence on the weather in the Bay.

No.	Month.	Date.	Greatest observed barometric depression.	Character of storm.	Details of storm.
3	June	9th to 12th	·28″	Cyclonic storm of moderate intensity.	This storm originated over the head of the Bay on the 8th and 9th. It advanced north-north eastwards during the next two days, developing slightly at the same time and on the morning of the 12th was central over Mymensingh. It disappeared completely during the day. Although of slight intensity the storm occasioned a heavy burst of rain in Assam and Bengal, several stations receiving from 5 to 15 inches in 24 hours. The vessels in the south and centre of the Bay experienced winds ranging in force between 6 and 8.
4	June	16th to 19th	·16″	Feeble cyclonic storm.	This storm formed at the head of the Bay during the 15th. It drifted westwards to the south of Chota Nagpur and the adjacent districts of the Central Provinces during the next three days, occasioning moderate rain along its track. It was throughout its existence a diffused disturbance and exercised no great influence on the weather.
5	July	1st to 6th	·26″	Cyclonic storm of moderate intensity.	This storm formed slowly at the head of the Bay during the last three days of June. It marched in a westerly direction from the south of Saugor Island on the 1st to the north of Raipur on the 3rd. It became diffused during the following 48 hours as it advanced through the central and western districts of the Central Provinces and at 8 A.M. of the 5th was hardly traceable in the chart, only a residual cyclonic circulation over Gujarat indicating its continued existence. The storm determined a moderate to heavy burst of rain to the belt of country stretching from Gujarat to Orissa.
6	August	12th to 16th	·38″	Cyclonic storm of moderate to considerable intensity.	This storm formed during the 12th over the head of the Bay. It crossed the coast some time after 8 A.M. on the 13th and thereafter travelling in a north-westerly course passed into the central districts of the United Provinces on the 16th: it filled up in that locality during the next 24 hours. The storm was chiefly noteworthy for the heavy rain it gave to north-east India and the Gangetic plain.
7	August	19th to 24th	·21″	Cyclonic storm of moderate intensity.	This storm originated in the north-west of the Bay on the 19th and the 20th and crossed the coast near Saugor Island on the 21st. It thence advanced along a north-westerly track to the neighbourhood of Agra where it broke up on the 25th. Moderate to heavy rain occurred over the region traversed by the storm.
8	September.	9th to 18th	·25″	Cyclonic storm of moderate intensity.	This storm formed over the west of the Bay off the Ganjam coast on the 9th, crossed the coast on the morning of the 12th and was central nearly midway between Hyderabad and Chanda at 8 A.M. on the 13th and over Berar at the same hour of the 14th. It changed its course considerably during the next 24 hours, and travelling in a northerly direction broke up at the foot of the Kumaon hills on the 18th. General rain occurred along the track of the storm and was of the greatest benefit to crops.
9	October	13th to 18th	·38″	Cyclonic storm of moderate to considerable intensity.	This storm apparently formed over the centre of the Bay on the 13th and travelling in a north-westerly direction crossed the Circars coast between Cocanada and Masulipatam on the evening of the 15th. It then recurved and at 8 A.M. of the 16th was central over the east Deccan. During the next two days its course was approximately north to north-east: it passed into the east Nepal hills during the 18th and apparently broke up in that position. The storm occasioned moderately heavy rain over the narrow belt of country traversed by it and was probably the cause of the very disturbed weather experienced by the Tibet Commission on their march from the Tang-la to Chumbi. The S.S. *Ujina* near the centre experienced gales of force 10.
10	November.	2nd to 5th	·25″(?)	Cyclonic storm of moderate intensity.	This storm which was a rather complicated disturbance was generated over the centre of the Bay during the 1st. It advanced slowly north-eastwards on the 2nd and 3rd and at 8 A.M. on the 4th was central in about Lat. 16° N. and Long. 88°½ E. In the absence of sufficient marine information it is not possible to trace its future course with any certainty, but it is probable that it coalesced during the day with a small storm passing out from the north of the Andaman Sea into the Bay. The combined disturbance covered the east of the Bay on the 5th but was of little consequence, having become very diffused.

No.	Month.	Date.	Greatest observed barometric depression.	Character of storm.	Details of storm.
11	November.	19th to 23rd	·36″	Cyclonic storm of moderate to considerable intensity.	This storm originated over the centre of the Bay on the 19th and 20th and advancing in a northerly direction on the 21st and 22nd, struck the coast near Chittagong on the morning of the 23rd. It apparently broke up immediately after crossing the coast under the obstructive action of the Lushai hills. The rainfall accompanying the storm was restricted to Bengal and Assam and was nowhere heavy. The strongest winds recorded on board vessels in the storm area were of force 10.
			NORTHERN INDIA.		
	July.	7th to 11th	·29″	Cyclonic storm of moderate intensity.	This storm formed over deltaic Bengal during the 6th and advancing west-north-westwards through Chota Nagpur on the 8th, south Bihar on the 9th and the south-eastern districts of the United Provinces and the east of Central India on the 10th filled up over south-east Rajputana and the adjacent districts of the United Provinces during the 11th. The storm was noteworthy for the heavy rain it gave to Chota Nagpur, the Central Provinces and the eastern states of Central India.

The preceding statement shows that:—

(*a*) The Arabian Sea was singularly free from storms throughout the year.

(*b*) Eleven storms in all occurred over the Bay but were almost without exception comparatively feeble.

(*c*) As ordinarily happens when the Arabian Sea current is less active than usual the great majority of the storms traversed the region usuallydominated by the Bay current; in other words their tracks were less westerly than usual.

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 II in each monthly review. The normal values are also stated for the sake of ready comparison. The normal data of these elements, utilized in Table II of the monthly weather reviews of the year 1904 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 I 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 II of the monthly reviews, but in some cases and at certain seasons of the year they differ very considerably.

The chief features of the air movement over India in 1904 have been described in the monthly reviews of the year. The following is a summary of the more important features for each period:—

I.—*The cold weather period* :—

(*a*) Winds were generally feebler than usual throughout the period but blew with more than their usual steadiness, owing apparently to the absence of the cold weather storms.

(*b*) The direction of air movement was abnormally westerly in the Punjab and the adjacent districts of the United Provinces, an indication of a much greater influx than usual of dry air from the highlands of Afghanistan.

(*c*) Land winds prevailed steadily during February at the head of the Bay where in normal years sea breezes set in in the third week of the month. On the other hand, sea breezes commenced earlier than usual on the Sind coast.

(*d*) Easterly winds with a slight northing obtained on the Palni hills in southern India, indicating that the lower easterly drift across the south of the Peninsula from the Bay was apparently of greater depth than usual.

(*e*) Although weaker than usual over the land area of India, the winter monsoon blew with more than its normal intensity in the neighbouring seas and more especially in the Bay of Bengal :—

Area.	Departure of mean daily force of wind (Beaufort's notation) in			Normal mean strength of winds during period.
	January.	February.	Period, January and February.	
Bay of Bengal . .	+0·3	+0·2	+0·3	2·8
Arabian Sea . . .	+0·1	0	+0·1	3·2

It may be noted that these anomalous features bear a strong resemblance to those of the corresponding period of last year.

II.—*The hot weather period.*—Weather was on the whole very disturbed in March and May over a large part of northern and central India, in the former month owing to a succession of cold weather storms and in the latter to the greater frequency than usual of disturbances of the hot weather type. Conditions were, on the other hand, unusually quiet in April except in Burma, Assam and Bengal where thundershowers were of frequent occurrence. Temperature was above the normal in April and May over north-western and Central India, an indicaton that the hot weather conditions there were somewhat more pronounced than usual.

(*a*) Winds were somewhat more westerly than usual during this period over the Bay Islands, and the Pegu and Chittagong coasts :—

Station.	Wind direction.					
	March.		April.		May.	
	Actual 1904.	Normal.	Actual 1904.	Normal.	Actual 1904.	Normal
	°	°	°	°	°	°
Port Blair . . .	N 49 E	N 63 E	S 40 W	N 89 E	S 68 W	S 39 W
Diamond Island .	N 48 W	N 42 W	N 73 W	N 63 W	N 84 W	S 72 W
Chittagong . .	S 52 W	S 36 W	S 25 W	S 12 W	S 32 W	S 1 W

(*b*) Winds were on the mean of the period stronger and steadier than usual over the whole of northern India with the exception of Bihar and Sind, where their intensity was slightly less than the average. There were no marked or persistent variations in the direction of the air movement over those areas

(*c*) Winds were on the whole weaker than usual over the Peninsula, the feebleness being most marked in south India where the air movement was of barely half its normal intensity in April and May. They contained an unusually strong northerly component in the Deccan in March and April.

(*d*) The air movement was more vigorous than usual in the Bay of Bengal and practically normal in the Arabian Sea.

Area.	Departure of mean daily force of wind (Beaufort's Notation) in				Normal mean strength of wind during period.
	March	April.	May.	Period, March to May.	
Bay of Bengal . .	+0·1	+0·6	+0·4	+0·4	2·7
Arabian Sea . .	+0·2	+0·1	−0·5	−0·1	2·9

Winds were exceedingly unsteady over the Arabian Sea throughout May and the only advance of humid winds

from the equatorial region which took place during the month failed to extend into the centre or east of the sea.

The data for the Seychelles indicate that the air movement there was 25 per cent. weaker than usual during the period 22nd May to 4th June.

III.—The south-west monsoon period.—The monsoon currents were very abnormal in character.

The rains began somewhat later than usual on the west coast. The Arabian Sea monsoon considered as a rain giving current was weak practically throughout the season; while the Bay current although of fairly normal intensity was determined more largely than usual to Burma. The rains in upper India ceased finally on the 18th September which is about the normal date.

(*a*) The marine information derived from the logs of vessels navigating the Indian seas * shows that the monsoon current was slightly weaker than usual throughout the period in the Arabian Sea and above the normal intensity to a moderate extent in the Bay of Bengal.

Month.	Mean daily force of wind (Beaufort's notation) in the					
	Bay of Bengal.			Arabian Sea.		
	Actual.	Normal.	Departure from normal.	Actual.	Normal.	Departure from normal.
June	4·8	4·0	+0·8	4·3	4·5	−0·2
July	4·3	4·0	+0·3	4·5	4·6	−0·1
August	4·1	4·0	+0·1	4·0	4·3	−0·3
September	3·8	3·7	+0·1	3·3	3·5	−0·2
Mean of period	4·2	3·9	+0·3	4·0	4·2	−0·2

* The estimates of wind force are, it may be noted, chiefly derived from the data of vessels following four or five tracks in these seas and hence do not necessarily represent the conditions over the whole area.

(*b*) Over the interior of India, on the other hand, the departures of air movement from the normal were inverse in character to those over the sea, the Arabian Sea or Bombay current being on the whole very slightly stronger and the Bay current considerably weaker than usual.

Month.	Percentage departure from normal of mean daily air movement.			
	Bay of Bengal current		Bombay current.	
	Four coast stations.	Four island stations.	Four coast stations	Four island stations.
June	−3	−33	−10	−3
July	+7	−10	−16	−1
August	+5	−8	−10	+9
September	−7	−29	−1	+2
Mean	+1	−20	−9	+2

(*c*) Winds were throughout the period more westerly than usual over the Bay Islands and Burma coasts, indicating an unusually strong set of the currents to the latter area:—

Station.	Westerly deflection in degrees.			
	June.	July.	August.	September.
Port Blair	+21	+22	+17	+16
Diamond Island	+19	+10	+11	+36
Cocos Island	+9	+2	−11	+11
Akyab	+34	+23	+31	+11

(*d*) The eastern extremity of the trough of low pressure lay over the north of the Gangetic Plain and consequently after June the westerly current extended much further north than usual, reaching into the east of the Gangetic plain:—

Station.	Wind Direction.							
	June.		July.		August.		September.	
	Actual.	Normal.	Actual.	Normal.	Actual.	Normal.	Actual.	Normal.
	°	°	°	°	°	°	°	°
Hazaribagh	N 12 E	S 42 W	N 88 W	S 6 E	N 87 W	S 9 W	N 50 W	S 46 E
Allahabad	N 22 E	N 10 W	S 39 W	N 73 E	N 81 W	N 6 E	N 73 W	N 15 W

(*e*) The air movement was very abnormal in direction at the Himalayan stations: the westerly element was on the whole decidedly larger than usual:—

Station.	Wind Direction.							
	June.		July.		August.		September.	
	Actual.	Normal.	Actual.	Normal.	Actual.	Normal.	Actual.	Normal.
	°	°	°	°	°	°	°	°
Srinagar	N 41 W	N 9 E	N 60 W	N 46 W	N 15 W	N 48 W	N 43 W	N 33 W
Simla	N 1 W	N 17 W	N 1 W	N 15 E	N 6 W	N 33 E	N 10 W	N 8 E
Ranikhet	S 87 W	S 69 W	S 83 W	S 60 W	S 73 W	S 60 W	S 88 W	S 59 W
Kathmandu	N 36 W	N 87 W	N 9 W	S 63 W	N 9 W	N 66 W	N 82 W	N 87 W
Darjeeling	S 67 W	S 15 W	N 71 W	S 75 E	N 87 W	S 84 E	N 87 W	S 85 E

(*f*) Except that the winds were much more easterly than usual in June at the Seychelles, the air movement in the western half of the equatorial belt (as represented by Zanzibar and the Seychelles) did not differ greatly in character from that usual during the season:—

Station.	Wind Direction.							
	June.		July.		August.		September.	
	Actual.	Normal.	Actual.	Normal	Actual.	Normal.	Actual.	Normal.
	°	°	°	°	°	°	°	°
Zanzibar	S 1 W	S 4 E	S 1 E	S 6 E	S 5 E	S 9 E	S 11 E	S 6 E
Seychelles	S 49 E	S 24 E	S 28 E	S 33 E	S 28 E	S 33 E	S 36 E	S 39 E

IV. The retreating south-west monsoon period.—

(*a*) Winds were slightly stronger than usual in the Bay Islands and Pegu. The direction varied irregularly from the normal from month to month but was on the whole more northerly than usual in November:—

Station.	Wind Direction.					
	October.		November.		December.	
	Actual.	Normal.	Actual.	Normal.	Actual.	Normal.
	°	°	°	°	°	°
Port Blair	S 1 W	S 1 W	N 70 E	N 81 E	N 46 E	N 57 E
Rangoon	N 68 E	S 36 E	N 29 E	N 66 E	N 21 E	N 42 E
Diamond Island	N 81 E	S 57 E	N 60 E	N 60 E	N 52 E	N 54 E
Cocos Island	N 65 E	S 51 E	N 43 E	N 69 E	N 44 E	N 33 E

(*b*) Winds were on the whole weaker than usual over the greater part of northern India, but the departures from the normal condition were small and apparently unimportant.

(*c*) Over the greater part of the Peninsula, winds were feebler than usual in October and November and above their normal strength in December. The air movement was throughout in excess in South India and the Madras Coast and in defect in Berar, Hyderabad and Mysore:—

Province or Division.	Percentage departure from normal of mean wind steadiness in				Departure from normal of mean daily air movement in			
	October.	November.	December.	Period, October to December	October.	November.	December.	Period, October to December.
Central Provinces	−9	−13	−4	−9	−4	−3	+7	0
Berar	−13	−10	−12	−12	−22	−21	−22	−22
West Coast	+5	−12	−7	−5	−7	0	+14	+2
Bombay Deccan	+31	−2	+13	+14	−47	−34	+83	+1
Hyderabad	−5	−20	−14	−13	−21	−13	−19	−18
Mysore	+7	+9	+1	+6	−6	−21	−4	−10
Madras Coast	+34	+12	+20	+22	−6	+8	+44	+15
Madras Deccan	+8	−6	+1	+1	+3	+18	−21	0
South India	−16	−11	+22	−2	+24	+24	+20	+23

(*d*) Winds contained more than the usual amount of easterly component in the Peninsula during October and an abnormally northerly element in November, the modifications being in complete agreement with the anomalous features of the pressure distribution:—

Station.	Wind Direction.			
	October.		November.	
	Actual.	Normal.	Actual.	Normal.
	°	°	°	°
Khandwa	N 61 E	N 24 E	N 24 E	N 59 E
Akola	N 38 E	N 18 E	N 36 E	N 60 E
Buldana	N 48 E	N 24 E	N 37 E	N 63 E
Hyderabad	S 88 E	S 81 E	N 69 E	S 75 E
Bangalore	N 39 E	N	N 54 E	N 60 E
Hassan	N 52 E	N 48 E	N 16 E	N 70 E
Madras	N 60 E	N 54 E	N 40 E	N 27 E
Bellary	N 67 E	N 40 E	N 62 E	N 82 E

(*e*) On the mean of the period the air movement was practically normal in intensity in the Bay of Bengal and the Arabian Sea:—

Area.	Departure of mean daily force of wind (Beaufort's notation) in				Normal mean strength of winds during period
	October.	November.	December.	Period, October to December.	
Bay of Bengal	−0·5	+0·3	+0·4	+0·1	3·2
Arabian Sea	0	0	+0·4	+0·1	3·0

(*f*) Winds were of the usual strength and steadiness in the western half of the equatorial belt as represented by the Seychelles and Zanzibar. Northerly winds however set in unusually early at the Seychelles in November, for which month the mean actual direction was N 22° W, the normal being S 84° E.

Humidity.

The departures from normal of the mean monthly and annual aqueous vapour pressure and relative humidity for the year 1904 are given in Tables XVII and XVIII. 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 XIX to XXII) give departure data of aqueous vapour pressure and relative humidity for each month of the year and for the year :—

1st—For sixteen meteorological areas adopted in the geographical summaries of meteorological data in the annual reports issued by the department previous to 1891.

2nd.—For nine meteorological provinces of the Empire.

TABLE XVII.—*Departure of the monthly and annual mean vapour pressure data of 1904 from the averages of past years.*

Meteorological Province.	Station.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November.	December.	Year.
		"	"	"	"	"	"	"	"	"	"	"	"	"
Burma Coast and Bay Islands.	Port Blair	—·006	—·022	—·046	—·041	—·023	—·005	—·022	+·006	—·023	+·001	—·054	—·020	—·021
	Rangoon	—·023	—·051	+·039	—·012	—·022	—·010	—·029	?	—·019	+·007	—·030	—·055	?
	Diamond Island	—·045	—·055	+·004	—·014	—·028	—·018	—·007	+·002	—·016	—·003	—·020	—·055	—·021
Bengal and Orissa	Chittagong	+·009	—·004	+·044	—·008	—·023	+·034	—·017	+·001	—·013	—·019	—·017	+·004	—·001
	Calcutta (Alipore)	—·005	—·022	—·034	+·060	—·015	—·016	—·040	—·011	—·045	—·023	+·002	+·038	—·009
	Saugor Island	—·024	—·047	—·010	+·003	—·026	—·030	—·032	+·002	—·035	—·031	—·008	+·035	—·017
	False Point	—·027	—·086	—·009	+·024	—·020	—·040	—·014	—·005	—·040	—·004	—·021	+·057	—·015
Gangetic Plain and Chota Nagpur.	Hazaribagh	—·023	+·009	+·030	—·043	+·060	+·047	—·045	—·015	—·087	—·053	—·028	+·043	—·009
	Darbhanga	—·011	+·025	—·002	+·063	+·032	+·049	—·026	?	?	?	?	?	?
	Allahabad	+·020	+·027	+·079	+·071	+·117	+·133	+·010	+·036	—·014	—·003	+·049	+·090	+·051
Upper Sub-Himalayas.	Dehra Dun	+·003	—·013	+·090	—·002	+·030	+·002	—·003	+·003	—·053	+·002	—·015	+·044	+·007
	Roorkee	+·003	—·023	+·057	—·046	+·022	—·007	—·011	+·014	—·035	—·012	+·019	+·059	+·003
	Meerut	—·024	—·052	+·019	—·100	+·022	—·041	—·041	+·010	—·005	—·004	+·031	+·056	—·011
	Lahore	+·025	+·026	+·124	+·056	+·090	+·102	+·050	—·009	—·074	+·020	+·081	+·056	+·046
	Ludhiana	—·002	—·036	+·086	+·128	+·080	+·021	—·054	—·007	+·035	0	+·030	+·058	+·028
Indus Valley and North-West Rajputana.	Peshawar	+·029	—·007	+·067	—·007	+·026	—·049	—·009	+·026	—·045	+·036	+·081	+·032	+·015
	Jacobabad	+·039	+·071	+·102	+·111	+·052	+·157	+·051	+·093	+·079	+·028	+·129	+·048	+·080
	Kurrachee	+·003	+·055	+·029	—·003	—·002	—·051	—·069	—·062	—·030	—·009	+·130	—·014	—·002
Eastern Rajputana, Central India and Gujarat.	Jaipur	—·035	—·031	+·015	—·072	—·054	—·028	—·051	0	—·053	—·024	+·025	+·037	—·023
	Deesa	—·006	—·002	+·012	+·002	—·043	—·031	—·036	—·103	—·120	—·103	—·010	+·001	—·037
Deccan	Belgaum	+·024	—·038	—·041	0	+·031	—·002	—·006	—·002	—·015	—·006	—·142	—·039	—·020
	Sholapur	+·016	—·057	—·049	—·095	—·021	+·014	—·026	—·062	—·054	—·011	—·148	—·071	—·047

TABLE XVII.—*Departure of the monthly and annual mean vapour pressure data of 1904 from the averages of past years*—concld.

Meteorological Province.	Station.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
		"	"	"	"	"	"	"	"	"	"	"	"	"
Deccan—*concld.*	Akola	+·010	—·022	+·020	—·038	—·030	—·011	—·049	—·041	—·051	+·024	—·081	—·004	—·023
	Buldana	—·003	—·045	—·013	—·040	—·055	—·029	—·044	—·057	—·072	+·013	—·111	—·034	—·041
	Khandwa	+·015	+·011	+·041	+·005	—·030	—·027	—·044	—·059	—·049	—·036	—·095	—·029	—·025
	Nagpur	—·020	—·022	+·036	—·110	—·046	+·019	—·036	—·030	—·052	+·029	—·085	+·003	—·026
	Hyderabad (Deccan)	+·045	—·035	+·048	—·074	+·027	+·018	—·006	—·039	—·064	+·011	—·114	+·007	—·015
West Coast	Bombay	—·001	+·011	—·038	—·010	—·004	—·008	—·011	—·016	—·018	+·006	—·043	—·027	—·013
	Karwar	—·018	—·039	—·037	—·021	—·009	—·015	—·004	+·009	+·006	+·020	—·077	—·042	—·019
South India	Salem	+·057	+·044	+·036	+·010	+·017	—·024	+·002	—·013	—·016	+·004	—·091	+·006	+·003
	Chitaldroog	+·058	—·034	—·005	—·008	+·034	—·004	+·002	—·009	—·020	—·013	—·134	—·008	—·011
	Bangalore	+·031	—·023	—·063	—·045	+·019	—·010	+·003	—·015	—·033	+·001	—·145	—·026	—·026
	Hassan	+·023	—·043	—·010	+·001	+·038	+·005	+·004	+·005	—·015	—·010	—·137	—·050	—·016
	Mysore	+·048	—·022	+·099	+·069	+·101	+·054	+·013	+·034	+·019	+·016	—·109	+·004	+·027
	Madras	+·020	—·034	—·043	+·011	—·010	—·103	—·012	—·039	—·058	—·013	—·113	—·068	—·039
	Bellary	+·131	+·051	?	+·124	+·112	+·076	+·042	+·024	—·018	+·021	—·085	—·020	?
Hill Station, Baluchistan.	Quetta	+·029	+·007	+·028	—·041	—·050	—·128	—·132	—·114	—·071	—·024	+·032	+·007	—·038
Hill Stations, Northern India.	Leh	—·037	—·054	—·042	—·014	+·013	+·006	+·032	+·036	+·013	+·010	—·032	—·010	—·007
	Srinagar	—·009	+·013	+·024	+·067	—·002	+·015	—·011	—·012	—·045	+·003	0	+·009	+·004
	Simla (Ridge)	—·011	—·028	+·014	—·023	—·001	—·021	—·020	—·020	—·076	—·028	—·007	+·021	—·017
	Chakrata	—·013	—·013	+·016	—·025	+·003	+·015	+·020	+·001	—·060	—·011	—·007	+·036	—·003
	Ranikhet	—·015	—·016	—·001	—·040	+·005	+·026	+·001	—·001	—·057	—·018	—·012	+·015	—·009
	Katmandu	—·026	—·003	—·036	+·021	+·006	+·015	—·002	+·002	0	—·005	—·022	+·090	+·004
	Darjeeling	+·004	+·014	+·038	+·046	+·008	+·026	+·009	+·014	+·005	+·012	—·013	—·030	+·011
Hill Stations, Central India.	Mount Abu	0	+·019	+·053	—·013	—·031	+·006	—·036	—·027	—·086	—·056	—·011	—·005	—·016
	Pachmarhi	—·013	—·004	+·024	—·054	—·030	—·041	—·024	—·018	—·037	+·016	—·037	+·030	—·016
	Chikalda	—·005	—·025	+·021	—·011	—·008	+·019	—·014	—·014	—·035	+·008	—·084	+·004	—·011
Extra Indian Stations.	Aden	?	+·036	—·033	—·017	+·015	+·025	+·063	+·071	+·018	+·068	+·028	+·047	?
	Perim	—·031	—·009	+·041	—·012	—·040	—·073	—·055	—·048	—·044	—·048	—·037	+·003	—·029
	Zanzibar	—·006	?	?	?	?	?	+·007	+·001	—·030	—·013	—·014	+·001	?
	Port Victoria (Seychelles)	+·003	+·014	—·025	—·007	—·022	—·037	—·017	+·013	+·040	+·031?	+·007	+·009	—·001?
	Mauritius (Pamplemouses.)	—·031	+·010	—·007	—·035	—·003	—·021	—·006	—·004	—·053	—·004	—·030	—·007	—·016

TABLE XVIII.—*Departure of the monthly and annual mean relative humidity data of 1904 from the averages of past years.*

Meteorological Provinces.	Station.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
Burma Coast and Bay Islands.	Port Blair	−1	−1	−2	+3	+1	0	+1	−2	0	−2	+1	−2	0
	Rangoon	−2	−4	+4	+1	−3	+1	−2	?	−2	+3	−2	−3	?
	Diamond Island	−5	−6	+1	−3	0	+3	0	−1	−3	−4	−1	−1	−2
Bengal and Orissa	Chittagong	+3	+2	+3	+7	0	−1	+2	0	0	−2	+2	+2	+2
	Calcutta (Alipore)	−4	−4	−5	+2	0	+1	0	−4	−4	−5	−2	0	−2
	Saugor Island	−4	−4	−2	+1	−3	+1	0	−1	−3	−1	−2	0	−2
	False Point	−2	−7	−4	−1	−2	+2	0	0	−4	−1	−3	+5	−1
Gangetic Plain and Chota Nagpur.	Hazaribagh	−5	0	+14	−5	+7	+9	−4	−1	−12	−8	0	+6	0
	Darbhanga	−1	−1	−5	+2	+8	+3	−5	?	?	?	?	?	?
	Allahabad	0	+1	+9	+2	+6	+5	+6	+7	−3	0	+7	+10	+4
Upper Sub-Himalayas	Dehra Dun	0	−7	+11	−1	+3	−2	+4	+2	−4	−2	+1	+9	+1
	Roorkee	+3	−6	+11	−4	+4	−2	+5	+5	+1	+1	+7	+11	+3
	Meerut	−3	−11	+6	−8	+2	−6	+3	+3	+1	0	+5	+9	0
	Lahore	+7	+1	+21	+3	+4	+3	−4	−7	−5	+1	+11	+8	+4
	Ludhiana	+5	−5	+17	+10	+4	−3	−4	−1	+5	+3	+10	+12	+5
Indus Valley and North-West Rajputana.	Peshawar	+10	−10	+15	−4	+1	−7	−2	+3	−2	+3	+12	+3	+2
	Jacobabad	+8	+6	+16	+2	−1	+9	+3	+3	+4	0	+10	+8	+6
	Kurrachee	+1	+4	+8	−4	−1	−5	−4	−5	−3	−2	+11	−5	0
East Rajputana, Central India and Gujarat.	Jaipur	−8	−8	+5	−8	−4	−6	−4	+1	−6	−5	+4	+7	−3
	Deesa	0	−2	+6	+3	−1	−3	−1	−13	−14	−14	−4	0	−4
Deccan	Belgaum	+4	0	0	+4	+3	+4	0	+2	−2	−2	−15	−3	0
	Sholapur	+2	−5	−3	−6	−2	+1	−3	−8	−6	−2	−14	−7	−4
	Akola	−2	−3	+3	−4	−3	−1	−8	−6	−4	0	−8	−3	−3
	Buldana	−2	−4	+1	−4	−4	−4	−5	−9	−7	0	−13	−6	−5
	Khandwa	−2	+2	+6	−1	−3	−3	−7	−10	−4	−5	−9	−4	−3
	Nagpur	−5	−3	+6	−10	−2	+4	−5	−2	−3	+3	−9	+1	−2
	Hyderabad (Deccan)	+6	+1	+5	−8	+2	+4	−1	−10	−8	+2	−12	+3	−1
West Coast	Bombay	−3	−1	−3	−1	−1	+1	−3	−4	−5	−3	−2	−3	−2
	Karwar	−5	−4	−3	−2	+1	+2	0	−1	−2	−1	−6	−4	−2

TABLE XVIII.—*Departure of the monthly and annual mean relative humidity data of 1904 from the averages of past years*—concluded.

Meteorological Province.	Station.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
South India	Salem	+9	+9	+7	−1	+5	0	+4	−4	−5	−2	−12	−3	+1
	Chitaldroog	+12	+1	+3	+1	+5	+5	+3	0	−2	−3	−17	+1	+1
	Bangalore	+6	+1	−4	−3	+5	+3	+3	−2	−5	−2	−19	−3	−2
	Hassan	+5	−3	0	+2	+6	+4	+1	−1	−3	−1	−14	−4	−1
	Mysore	+9	+1	+12	+8	+13	+9	+3	+4	+1	+1	−10	+3	+5
	Madras	+1	−1	−1	−2	+2	−13	−1	−7	−10	−4	−14	−8	−5
	Bellary	+16	+8	?	+8	+11	+8	+5	0	−2	+1	−12	−1	?
Hill Station, Baluchistan.	Quetta	+15	−5	+12	−6	−7	−12	−12	−10	−4	−1	+4	−2	−2
Hill Stations, Northern India.	Leh	−34	−43	−24	−5	+5	+2	+7	+9	+7	−4	−14	−11	−9
	Srinagar	+4	+1	+4	+5	+3	−2	−4	0	−1	−1	+2	+1	+1
	Simla (Ridge)	+1	−10	+10	−3	+3	−2	+2	+1	−9	−4	+6	+11	+1
	Chakrata	−3	−15	+11	−7	+1	−1	+5	+4	−7	−2	+4	+13	0
	Ranikhet	−5	−13	+4	−9	+2	+2	+2	+2	−8	−5	+4	+8	−1
	Katmandu	−8	−3	−7	+2	+3	+3	0	0	−1	0	+3	+2	−1
	Darjeeling	−3	−2	+6	+8	+3	−2	+1	0	−3	+1	−8	−3	0
Hill Stations, Central India.	Mount Abu	0	+6	+13	−1	−3	+2	+1	−3	−15	−8	−1	−1	−1
	Pachmarhi	−4	+1	+6	−7	−4	−3	+2	+1	−1	+4	−2	+9	0
	Chikalda	−1	−2	+7	−1	−1	+3	−1	−3	−5	−1	−11	+2	−1
Extra Indian Stations.	Aden	?	+4	−5	−4	0	+1	+2	+2	−1	+8	+3	+6	?
	Perim	−2	−1	+3	0	−2	−6	−4	−4	−4	−1	−3	0	−2
	Zanzibar	+1	?	?	?	?	?	+1	0	−2	0	+2	+1	?
	Port Victoria (Seychelles)	+6	+3	+1	+3	+1	+2	+2	+3	+6	+5?	+7	0	+3?
	Mauritius (Pamplemouses)	0	0	0	−2	+2	0	+1	+1	−3	+1	−2	0	0

TABLE XIX.—*Geographical summary of the aqueous vapour-pressure daparture data of Table II in the Monthly Weather Reviews of 1904.*

Meteorological area.	Number of stations.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
		"	"	"	"	"	"	"	"	"	"	"	"	"
North-West Himalayas	5	−·017	−·020	+·002	−·007	+·004	+·008	+·005	+·001	−·045	−·089	−·014	+·014	−·007
Sikkim Himalayas and Nepal	2	−·011	+·006	+·001	+·034	+·007	+·021	+·004	+·008	+·003	+·004	−·018	+·031	+·008
Punjab Plains	3	+·017	−·006	+·092	+·059	+·065	+·035	−·004	+·003	−·028	+·019	+·064	+·049	+·030
Gangetic Plain	4—5	−·002	−·007	+·049	−·003	+·045	+·027	−·014	+·016	−·027	−·004	+·021	+·062	+·012

TABLE XIX.—*Geographical summary of the aqueous vapour pressure data of Table II in the Monthly Weather Reviews of 1904*—concld.

METEOROLOGICAL AREA.	Number of stations.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	YEAR.
		"	"	"	"	"	"	"	"	"	"	"	"	"
Western Rajputana	4	+·009	+·036	+·049	+·024	−·006	+·020	−·023	−·025	−·039	−·035	+·060	+·008	+·007
Eastern Rajputana and Central India	1	−·035	−·031	+·015	−·072	−·054	−·028	−·051	0	−·053	−·024	+·025	+·037	−·023
Nerbudda Valley	1	+·015	+·011	+·041	+·005	−·030	−·027	−·044	−·059	−·049	−·036	−·095	−·029	−·025
Chota Nagpur	1	−·023	+·009	+·030	−·043	+·060	+·047	−·045	−·015	−·087	−·053	−·028	+·043	−·009
Lower Bengal	2	−·015	−·035	−·022	+·032	−·021	−·023	−·036	−·005	−·040	−·027	−·003	+·037	−·013
Orissa	1	−·027	−·086	−·009	+·024	−·020	−·040	−·014	−·005	−·040	−·004	−·021	+·057	−·015
Central Provinces (South) and Berar	5	−·006	−·024	+·018	−·051	−·034	−·009	−·033	−·032	−·049	+·018	−·080	0	−·024
Konkan	2	−·010	−·014	−·038	−·016	−·007	−·012	−·008	−·004	−·006	+·013	−·060	−·035	−·016
Deccan, Hyderabad and Mysore	7—8	+·047	−·025	−·003	−·004	+·043	+·019	+·003	−·008	−·013	+·001	−·127	−·025	−·018
East Coast and Carnatic	2	+·039	+·005	−·004	+·011	+·004	−·064	−·005	−·026	−·037	−·005	−·102	−·031	−·018
Arakan and Pegu	2—3	−·020	−·037	+·029	−·011	−·024	+·002	−·018	+·002	−·016	−·005	−·022	−·035	−·013
Bay Islands	1	−·006	−·022	−·046	−·041	−·023	−·005	−·022	+·006	−·023	+·001	−·054	−·020	−·021
Extra-Tropical India	23—24	−·004	−·003	+·032	+·010	+·015	+·013	−·015	−·004	−·036	−·013	+·014	+·030	+·003
Tropical India	21—22	+·014	−·025	+·001	−·016	+·002	−·004	−·012	−·013	−·029	+·004	−·085	−·018	−·015
Whole India	44—46	+·005	−·014	+·018	−·002	+·009	+·005	−·013	−·008	−·033	−·005	−·035	+·006	−·006

TABLE XX.—*Geographical summary of the relative humidity departure data of Table II in the Monthly Weather Reviews of 1904.*

METEOROLOGICAL AREA.	Number of stations.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	YEAR.
North-West Himalayas	5	−7	−16	+1	−4	+3	0	+2	+3	−4	−3	0	+4	−2
Sikkim Himalayas and Nepal	2	−5	−2	−1	+5	+3	+1	+1	0	−2	+1	−2	−1	0
Punjab Plains	3	+7	−5	+18	+3	+3	−2	−3	−2	−1	+2	+11	+8	+3
Gangetic Plain	4—5	0	−5	+6	−2	+5	0	+3	+4	−1	0	+5	+10	+2
Western Rajputana	4	+2	+4	+11	0	−2	+1	0	−5	−7	−6	+4	+1	0
Eastern Rajputana and Central India	1	−8	−8	+5	−8	−4	−6	−4	+1	−6	−5	+4	+7	−3
Nerbudda Valley	1	−2	+2	+6	−1	−3	−3	−7	−10	−4	−5	−9	−4	−3
Chota Nagpur	1	−5	0	+11	−5	+7	+9	−4	−1	−12	−8	0	+6	0
Lower Bengal	2	−4	−5	−4	+2	−2	+1	0	−2	−4	−3	−2	0	−2

TABLE XX.—*Geographical summary of the relative humidity departure data of Table II in the Monthly Weather Reviews of 1904*—concld.

METEOROLOGICAL AREA.	Number of station.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	YEAR.
Orissa	1	−2	−7	−4	−1	−2	+2	0	0	−4	−1	−3	+5	−1
Central Provinces (South) and Berar	5	−3	−2	+5	−5	−3	0	−3	−4	−4	+1	−9	+1	−2
Konkan	2	−4	−8	−3	−8	0	+2	−2	−3	−4	−2	−8	−4	−3
Deccan, Hyderabad and Mysore	7−8	+8	+1	+2	+1	+6	+5	+1	−2	−3	−1	−14	−5	0
East Coast and Carnatic	2	+5	+4	+3	−2	+4	−7	+2	−6	−8	−3	−13	−6	−2
Arakan and Pegu	2−3	−1	−3	+3	+2	−1	+1	0	−1	−2	−1	0	−5	0
Bay Islands	1	−1	−1	−2	+3	+1	0	+1	−2	0	−2	+1	−2	0
Extra-Tropical India	23−24	−2	−5	+6	−1	+2	0	0	0	−4	−2	+2	+4	0
Tropical India	21−22	+2	−1	+2	−1	+2	+1	0	−3	−4	−1	−9	−1	−1
Whole India	44−46	0	−3	+4	−1	+2	+1	0	−1	−4	−2	−3	+2	0

TABLE XXI.—*Departure of the mean monthly and annual aqueous vapour pressure from the normal in the nine meteorological provinces of India in 1904.*

METEOROLOGICAL PROVINCE.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	YEAR.
	"	"	"	"	"	"	"	"	"	"	"	"	"
Burma Coast and Bay Islands.	−·035	−·043	−·001	−·022	−·024	−·011	−·019	+·004	−·019	+·002	−·035	−·038	−·019
Bengal and Orissa	−·032	−·040	−·002	+·029	−·021	−·013	−·026	−·003	−·033	−·019	−·011	+·033	−·011
Gangetic Plain and Chota Nagpur.	−·005	+·020	+·036	+·030	+·070	+·076	−·020	+·011	−·051	−·028	+·011	+·067	+·018
Upper Sub-Himalayas	+·001	−·020	+·075	+·008	+·049	+·016	−·012	+·002	−·025	0	+·030	+·055	+·015
Indus Valley and North-West Rajputana.	+·024	+·040	+·066	+·038	+·025	+·019	−·009	+·019	+·001	+·018	+·113	+·088	+·031
East Rajputana, Central India and Gujarat.	−·021	−·017	+·014	−·033	−·049	−·030	−·044	−·052	−·087	−·064	+·008	+·019	−·030
Deccan	+·012	−·030	+·006	−·050	−·018	−·003	−·030	−·041	−·051	+·003	−·111	−·024	−·028
West Coast	−·010	−·014	−·038	−·016	−·007	−·012	−·008	−·004	−·006	+·013	−·060	−·035	−·016
South India	+·041	−·020	+·028	+·033	+·037	−·008	+·002	−·008	−·027	−·003	−·120	−·024	−·006

TABLE XXII.—*Departure of the mean monthly and annual relative humidity from the normal in the nine meteorological provinces of India in 1904.*

Meteorological Provinces	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
Burma Coast and Bay Islands.	− 3	− 4	+ 1	0	− 1	+ 1	0	− 2	− 2	− 1	− 1	− 2	− 1
Bengal and Orissa	− 2	− 3	− 2	+ 2	− 1	+ 1	+ 1	− 1	− 3	− 2	− 1	+ 2	− 1
Gangetic Plain and Chota Nagpur.	− 2	0	+ 5	0	+ 7	+ 6	− 1	+ 3	− 8	− 4	+ 4	+ 8	+ 2
Upper Sub-Himalayas	+ 2	− 6	+13	0	+ 3	− 2	+ 1	0	0	+ 1	+ 7	+10	+ 2
Indus Valley and North-West Rajputana.	+ 6	0	+13	− 2	0	− 1	− 1	0	0	0	+21	+ 4	+ 2
East Rajputana, Central India and Gujarat.	− 4	− 5	+ 6	− 2	− 3	− 5	− 3	− 6	−16	−10	0	+ 4	− 3
Deccan	0	− 2	+ 3	− 4	− 1	+ 1	− 4	− 6	− 5	− 1	−11	− 3	− 3
West Coast	− 4	− 3	− 3	− 2	0	+ 2	− 2	− 3	− 4	− 2	− 5	− 4	− 3
South India	+ 7	+ 1	+ 5	+ 2	+ 7	+ 2	+ 2	− 1	− 4	− 1	−14	− 2	0

I.—*The cold weather period.*—

(*a*) The amount of aqueous vapour present in the air was less than usual throughout the country with the exception of the North-West Frontier Province, the Deccan, Mysore, Hyderabad and Central India. The relative humidity was, on the other hand, in excess over practically the whole of north-eastern India, the United Provinces, Central India, the Bombay Deccan, Mysore, Hyderabad and Madras and in defect in north-western India, the Central Provinces, West Coast, Chota Nagpur, Orissa and Burma. The departures were, however, in almost all cases small and of little significance.

Province or Division.	Departure of mean 8 a.m. vapour pressure from normal in			Departure of mean 8 a.m. relative humidity from normal in		
	January.	February.	Period, January and February.	January.	February.	Period, January and February.
	"	"	"			
Burma	−·018	−·039	−·029	+1·1	−1·5	−0·2
Assam	−·026	−·[illegible]	−·[illegible]	0	+1·2	+0·7
Bengal	−·007	−·004	−·006	+0·3	+0·8	+0·6
Orissa	−·021	−·065	−·043	+0·6	−2·0	−0·7
Bihar	−·029	−·006	−·018	+2·1	+1·8	+2·0
Chota Nagpur	−·021	−·041	−·031	−6·5	−5·6	−2·1
United Provinces of Agra and Oudh	+·007	−·009	−·001	+2·4	−2·2	+0·1
Punjab	0	−·037	−·019	+2·8	−11·4	−4·3
North-West Frontier Province.	+·036	−·036	0	+9·6	−12·6	−1·5
Sind	−·007	−·002	−·005	+1·7	−3·6	−0·7
Rajputana	−·032	−·037	−·035	−4·3	−10·8	−7·6
Gujarat	+·007	−·009	−·001	+0·1	−3·2	−1·6
Central India	+·011	+·007	+·009	+2·6	+6·4	+4·5
Central Provinces	−·001	−·031	−·016	−0·4	−1·8	−1·1
Berar	+·010	−·024	−·007	−1·5	−4·3	−2·9
West Coast	0	−·019	−·010	−2·5	−1·5	−2·0
Bombay Deccan	+·037	−·033	+·002	+3·6	−0·7	+1·5
Hyderabad	+·016	+·011	+·014	+8·4	+5·6	+7·0
Mysore	+·026	−·019	+·004	+7·3	+2·1	+4·7
Madras Coast	+·026	−·031	−·003	+2·1	−[illegible]	+0·9
Madras Deccan	+·073	+·019	+·046	+23·0	+8·9	+16·0
South India	+·005	−·023	−·009	+2·3	0	+1·2

(*b*) The humidity conditions in Baluchistan were inverse in character to those of north-western

India and were hence determined by local and not general actions :—

Station.	Departure of mean 8 A.M. vapour pressure from normal in			Departure of mean 8 A.M. relative humidity from normal in		
	January.	February.	Period, January and February.	January.	February.	Period, January and February.
	"	"	"			
Quetta	+·021	+·005	+9·13	+11·3	+1·5	+6·4

The air was remarkably dry in the hill districts of northern India, more especially from the 6th to the 16th February when humidity percentages ranging between 4 and 10 were recorded at several stations. Excessive dryness in cold weather usually occurs during the passage of cold waves, but on the present occasion it was associated with unusually high temperature, a consequence of the prevalence of much finer weather than usual.

II.—The hot weather period:—The abnormal features of the hygrometric conditions of the period were related directly to the character of the rainfall distribution: thus humidity was above the normal over the greater part of India in March and May, during which period weather was generally more disturbed than usual; and was in defect in April when less rain than usual fell in north-western India and the Peninsula. On the mean of the whole period the air was, both absolutely and relatively, damper than usual over practically the whole of northern India and Burma, the greatest dampness being reported throughout from Central India:—

Province or division.	Departure of mean 8 A.M. vapour pressure from normal in				Departure of mean 8 A.M. relative humidity from normal in			
	March.	April.	May.	Period, March to May.	March.	April.	May.	Period, March to May.
	"	"	"	"				
Burma . . .	+·013	+·002	−·014	0	− 0·1	+3·5	−1·9	+0·5
Assam . . .	+·016	−·020	−·011	+·002	− 1·3	+4·1	+2·7	+1·8
Bengal . . .	−·013	+·008	−·027	−·011	− 2·9	+2·6	+1·4	+0·4
Bihar . . .	+·004	+·013	−·005	+·004	− 2·1	+0·7	+5·7	+ 1·4
Chota Nagpur . .	+·046	−·065	+·043	+·008	+ 6·1	−5·1	+10·1	+3·7
United Provinces of Agra and Oudh.	+·050	+·014	+·038	+·034	+ 8·1	+0·5	+6·2	+4·9
Punjab . . .	+·075	−·038	+·008	+·018	+14·6	−4·0	−0·4	+3·4
North-West Frontier Province.	+·082	+·007	−·007	+·027	+14·5	−2·0	−1·0	+3·8
Sind . . .	+·062	+·015	−·001	+·025	+12·0	−1·2	−1·4	+3·1
Rajputana . . .	+·074	−·016	−·049	+·003	+11·9	−2·1	−2·6	+2·4
Gujarat . . .	+·042	+·047	+·001	+·030	+ 8·9	+8·7	+0·7	+6·1
Central India . .	+·070	+·054	+·058	+·061	+17·5	+6·3	+6·1	+1·0

In the Peninsula generally the conditions differed but little from the normal according to either estimation, but the air was relatively damper in the central and eastern districts than elsewhere :—

Province or division.	Departure of mean 8 A.M. vapour pressure from normal in				Departure of mean 8 A.M. relative humidity from normal in			
	March.	April.	May.	Period, March to May.	March.	April.	May.	Period, March to May.
	"	"	"	"				
Orissa . . .	−·037	−·001	−·074	−·037	−4·1	−1·0	−3·7	−2·9
Central Provinces .	+·033	−·113	−·023	−·034	+5·4	−7·9	−0·7	+1·1
Berar . . .	+·014	?	−·020	?	+1·3	−2·9	−2·6	−1·4
West Coast . .	−·017	−·030	−·008	−·018	−0·6	−1·5	+0·4	−0·6
Bombay Deccan .	−·048	−·008	+·007	−·016	+0·2	−0·5	−2·0	−0·8
Hyderabad . . .	−·033	−·066	+·021	−·026	−2·0	−2·0	+7·3	+1·1
Mysore . . .	+·007	+·004	+·026	+·012	+2·1	+3·1	+5·7	+3·6
Madras Coast . .	−·017	+·009	−·013	−·007	+0·7	−0·7	+2·7	+0·9
Madras Deccan .	−·095	−·010	+·028	−·026	+4·5	+6·8	+13·4	+8·2
South India . .	−·014	−·001	+·009	−·002	+0·7	−5·3	+2·8	−0·6

In the hill districts bordering north-western India the departures were small though generally positive :—

Station.	Departure of mean 8 A.M. vapour pressure from normal in				Departure of mean 8 A.M. relative humidity from normal in			
	March.	April.	May.	Period, March to May.	March.	April.	May.	Period, March to May.
	"	"	"	"				
Quetta . . .	+·037	−·044	−·052	−·020	+14·3	−9·1	−8·4	−1·1
Chaman . . .	+·038	−·013	−·027	−·001	+13·7	−9·1	−0·6	+1·3
Leh	+·002	−·010	0	−·003	−2·4	−6·6	0	−3·0
Srinagar . .	+·008	+·021	−·007	+·007	+0·5	+2·4	+3·0	+2·0
Gilgit . . .	−·022	−·022	+·019	−·008	−8·5	−6·8	+7·1	−2·7
Murree . . .	+·016	−·032	+·027	+·004	+8·8	−8·3	+4·9	+1·8
Simla . . .	+·014	−·021	−·011	−·006	+7·3	−3·0	−0·4	+1·3
Cherat . . .	+·028	−·022	−·003	+·001	+13·7	−5·4	+2·0	+3·4
Chakrata . . .	+·017	+·002	−·014	+·002	+12·1	−2·3	+1·4	+3·7
Ranikhet . . .	+·020	−·033	−·006	−·006	+5·5	−6·5	+5·1	+1·4

III.—The south-west monsoon period.—The Arabian Sea current was during the greater part of the period very inactive, more especially on the northern limits of its field where it was never fully established. The Bay current, on the other hand, was fairly vigorous from June to September but weakened materially during September.

As might be expected under the circumstances the amount of aqueous vapour present in the air was less than usual over nearly the whole of the region normally

under the sway of the Arabian Sea current, the dryness being on the whole most pronounced in Berar, the Punjab, Gujarat, the Central Provinces and Rajputana.

The relative humidity was also generally below the normal though not to the same extent as the absolute humidity :—

Province or Division.	Departure of mean 8 A.M. vapour pressure from normal in					Departure of mean 8 A.M. relative humidity from normal in				
	June.	July.	August.	September.	Period, June to September.	June.	July.	August.	September.	Period, June to September.
	"	"	"	"	"					
Punjab	—·026	—·039	—·026	—·051	—·036	—6	—5	0	—5	—4
North-West Frontier Province.	+·036	—·003	+·014	—·019	+·007	—9	—2	0	—2	—3
Sind	+·028	—·050	—·031	—·010	—·016	+4	—1	—3	—1	0
Rajputana	+·008	—·052	—·019	—·070	—·033	+1	—2	0	—6	—2
Central India	+·010	—·029	—·026	—·042	—·022	+3	+2	0	—2	+1
Gujarat	—·035	—·032	—·049	—·047	—·041	—4	—3	—6	—6	—5
Central Provinces	—·014	—·045	—·035	—·059	—·038	0	—2	—3	—3	—2
Berar	—·028	—·062	—·067	—·065	—·056	—4	—4	—10	—7	—6
West Coast	—·022	—·012	+·001	—·010	—·011	+2	0	—1	—2	0
Bombay Deccan	—·020	—·025	—·033	—·026	—·026	—3	—3	—6	—4	—4
Hyderabad	—·015	—·004	—·012	—·040	—·018	0	0	—6	—6	—3
Mysore	+·001	+·001	+·008	—·004	+·002	+2	+2	+2	—2	+1
Madras Coast	—·033	+·009	—·003	—·019	—·012	—2	0	—2	—7	—3
Madras Deccan	+·058	+·032	+·018	—·007	+·025	+3	+9	—4	—4	+1
South India	—·015	—·003	—·005	—·001	—·006	+2	+1	—1	—2	0

The humidity conditions were practically normal in the field of the Bay current :—

Province or Division.	Departure of mean 8 A.M. vapour pressure from normal in					Departure of mean 8 A.M. relative humidity from normal in				
	June.	July.	August.	September.	Period, June to September.	June.	July.	August.	September.	Period, June to September.
	"	"	"	"	"					
Burma	—·010	—·007	+·020	—·008	—·001	+2	+2	0	+1	+1
Assam	+·019	—·023	+·018	+·001	+·004	—2	—1	0	—3	—2
Bengal	+·002	—·018	+·014	—·010	—·003	—1	0	—1	—2	—1
Orissa	—·047	—·040	—·027	—·057	—·043	0	—2	—2	—3	—2
Bihar	+·020	—·015	+·015	—·017	+·001	+1	0	+2	—3	0
Chota Nagpur	+·004	—·033	—·015	—·073	—·029	+3	0	—1	—7	—1
United Provinces of Agra and Oudh.	+·007	—·009	+·001	—·039	—·010	—4	+3	+2	—2	0

In the hill districts of northern India the departures of the hygrometric conditions were neither large nor persistent. On the other hand, at Quetta the air was abnormally dry throughout the period :—

Station.	Departure of mean 8 A.M. vapour pressure from normal in					Departure of mean 8 A.M. relative humidity from normal in				
	June.	July.	August.	September.	Period, June to September.	June.	July.	August.	September.	Period, June to September.
	"	"	"	"	"					
Quetta	—·125	—·101	—·097	—·090	—·103	—11	—9	—3	—11	—9
Leh	—·016	+·027	—·001	+·024	+·009	—2	+7	+1	+8	+4
Srinagar	—·030	—·016	—·034	—·061	—·035	—1	—2	—2	—2	—2
Gilgit	—·005	+·051	+·015	+·170	+·058	—6	+6	+5	+4	+2
Murree	—·053	+·030	—·001	—·043	—·017	—14	+7	0	—8	—4
Simla	—·029	—·019	—·012	—·066	—·032	—5	+3	—1	—10	—3
Chakrata	—·008	—·002	—·008	—·076	—·024	—5	+3	—1	—8	—3
Ranikhet	+·009	+·004	—·004	—·055	—·012	—3	+1	0	—3	—1
Darjeeling	+·002	—·007	—·004	—·007	—·004	—2	—1	—1	—4	—2

IV.—The retreating south-west monsoon period.—The air was drier than usual during this period over the greater part of the Peninsula, where the autumn rains were greatly below the normal : it was on the other hand unusually damp in the region of excessive rainfall, including Burma, Bihar, the United Provinces, the Punjab, the North-West Frontier Province and Rajputana, and also in Sind and Central India :—

Province or Division.	Departure of mean 8 A.M. vapour pressure from normal in				Departure of mean 8 A.M. relative humidity from normal in			
	October.	November.	December.	Period, October to December.	October.	November.	December.	Period, October to December.
	"	"	"	"				
Burma	+·002	+·030	—·019	+·004	+1	+4	+3	+3
Assam	—·015	—·019	—·012	—·015	—1	—1	0	—1
Bengal	—·026	—·024	+·018	—·011	—1	0	+1	0
Orissa	—·016	—·061	+·040	—·012	—1	—5	+6	0
Bihar	+·011	+·006	+·043	+·020	+2	+6	+9	+6
Chota Nagpur	—·030	—·063	+·045	—·016	—5	—7	+6	—2
United Provinces of Agra and Oudh.	—·005	+·021	+·059	+·025	0	+4	+10	+5
Punjab	+·009	+·055	+·043	+·036	—2	+9	+8	+5
North-West Frontier Province.	+·048	+·081	+·029	+·053	+1	+9	+6	+5
Sind	+·008	+·127	+·018	+·051	—1	+11	+1	+4
Rajputana	—·009	+·060	+·033	+·028	—4	+7	+5	+3
Gujarat	—·019	+·007	—·007	—·006	—4	—1	—2	—2

Province or Division.	Departure of mean 8 A.M. vapour pressure from normal in				Departure of mean 8 A.M. relative humidity from normal in			
	October.	November.	December.	Period, October to December.	October.	November.	December.	Period, October to December.
	"	"	"	"				
Central India	+·020	+·001	+·040	+·020	+1	+4	+10	+5
Central Provinces	+·005	−·070	+·011	−·018	0	−5	+3	−1
Berar	+·028	−·100	+·016	−·019	+1	−12	0	−4
West Coast	+·006	−·073	−·019	−·029	−1	−6	−3	−8
Bombay Deccan	−·001	−·109	−·037	−·049	−1	−15	−1	−6
Hyderabad	−·011	−·146	−·027	−·051	−3	−16	−1	−7
Mysore	0	−·109	−·007	−·039	−2	−14	+1	−5
Madras Coast	+·006	−·091	−·018	−·034	0	−7	0	−2
Madras Deccan	+·010	−·114	−·009	−·038	0	−12	0	−4
South India	+·016	−·034	−·007	−·008	0	−6	−1	−2

There was a moderately large excess of humidity in Persia and Baluchistan; thus the excessive humidity of the western Himalayas was not merely local:—

Station.	Departure of mean 8 A.M. vapour pressure from normal in				Departure of mean 8 A.M. relative humidity from normal in			
	October.	November.	December.	Period, October to December.	October.	November.	December.	Period, October to December.
	"	"	"	"				
Teheran	+·018	+·048	+·014	+·027	+8	+6	+19	+11
Bushire	−·028	+·078	−·002	+·016	+2	+8	+6	+5
Jask	+·006	+·075	+·060	+·047	+4	+8	+8	+7
Quetta	−·007	+·049	+·007	+·016	−2	+11	+8	+6
Murree	+·003	+·028	+·024	+·018	+2	+7	+13	+7
Simla	−·019	−·006	+·024	0	−4	+2	+11	+3
Chenit	+·020	+·033	+·044	+·032	+7	+12	+14	+11
Chakrata	−·019	−·022	+·021	−·007	−1	−1	+12	+3

The year.—

(*a*) On the average of the whole Indian area the 8 A.M. absolute humidity was slightly lower than usual.

(*b*) The dryness was shown mainly in Tropical India: in extra-Tropical India both the absolute and relative humidities were practically normal.

(*c*) On the mean of the year there was more aqueous vapour in the air than usual in Sind, Central India, the North-West Frontier Province, the Punjab, the United Provinces and Bihar, the excess being greatest in the first three areas: in the remainder of India the vapour pressure was in defect and most conspicuously so in the Central Provinces, Orissa and the Deccan. The larger departures were remarkably persistent: thus in the Bombay Deccan, the amount of aqueous vapour pressure was less than usual in ten out of twelve months, while in Central India, it was in defect in only three months.

The following gives the mean annual departures of the aqueous vapour pressure and humidity of the whole of India for each year from 1875 to 1904:—

Year.	Annual departure of pressure of vapour.	Annual departure of relative humidity.
	"	
1875	−·004	+1
1876	−·017	−1
1877	+·011	+1
1878	+·020	0
1879	−·014	−1
1880	−·004	0
1881	+·001	0
1882	−·008	0
1883	−·013	−1
1884	−·012	0
1885	+·001	0
1886	+·008	+1
1887	−·016	−1
1888	−·005	−1
1889	+·003	−1
1890	−·003	−1
1891	−·007	0
1892	−·002	−1
1893	+·007	+3
1894	+·013	+2
1895	+·003	0
1896	−·010	−3
1897	+·005	−1
1898	−·008	−2
1899	−·026	−5
1900	+·002	−2
1901	+·002	−1
1902	+·003	−2
1903	−·003	−1
1904	−·006	0

Cloud.

Normal values of the mean monthly and annual amount of cloud at second class stations have been obtained from the whole of the available data up to the end of the year 1899 given in Tables XXXV and XXXVI of the Indian Meteorological Memoirs, Vol. XVII. These means are the arithmetical averages of the cloud amounts as registered at 10 A.M. and 4 P.M., 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 1904 are given in Tables XXIII, XXIV and XXV. Table XXIV gives the mean departure data for the sixteen meteorological areas adopted in the geographical summaries of the meteorological data in the Annual Reports previous to 1891, and Table XXV gives similar data for nine meteorological provinces of India.

TABLE XXIII.—*Departure of the monthly and annual mean cloud proportion of 1904 from the averages of past years.*

Meteorological Province.	Station.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
Burma Coast and Bay Islands.	Port Blair	+1·0	−0·7	−0·6	+0·5	+0·3	+0·5	−0·7	−0·9	−0·2	−0·9	+0·1	+0·1	−0·1
	Rangoon	+0·2	+0·7	−0·2	+2·4	+0·3	0	−0·1	0	−0·7	−1·0	+0·1	−0·8	+0·1
	Diamond Island	−1·0	−1·2	−1·5	−0·1	+0·8	+0·7	0	−0·4	−1·0	−1·3	−0·2	−0·5	−0·5
	Cocos Island	−1·1	−1·7	−1·1	+1·4	0	+1·3	+0·5	−0·4	+0·2	+0·5	+0·8	+0·8	+0·1
	Akyab	−1·1	−0·7	+0·2	+2·0	−0·2	+0·4	−0·1	−0·7	−1·2	−2·0	−0·3	−2·3	−0·5
Bengal and Orissa	Chittagong	−1·3	−1·0	−0·5	+0·6	−1·0	−1·0	+0·6	−0·1	−0·3	−0·1	+1·4	−0·1	−0·3
	Calcutta (Alipore)	−0·8	−1·2	−0·6	−1·4	+0·8	+0·2	+0·1	−0·4	−1·6	0	+0·8	+0·3	−0·3
	Saugor Island	−1·4	−1·6	−1·9	−0·2	+0·3	+0·1	−0·1	−0·1	−1·0	−0·3	+0·4	0	−0·4
	False Point	−0·5	−1·1	0	−1·4	+0·9	+1·2	−0·3	+0·4	0	+1·1	+0·7	+1·0	+0·2
Gangetic Plain and Chota Nagpur.	Hazaribagh	−1·6	+0·1	+0·3	−2·4	+0·4	+1·2	+0·5	+0·4	−0·7	+0·1	+0·6	−0·7	−0·2
	Darbhanga	−1·0	−1·3	−0·7	−1·0	+0·1	0	0	?	?	?	?	?	?
	Allahabad	−1·0	+0·7	+0·6	−1·5	+0·2	+0·6	+1·0	+0·6	−1·4	−0·6	0	+0·7	0
Upper Sub-Himalayas.	Debra Dun	−0·4	−0·8	+0·5	−0·4	+1·1	+2·3	+1·2	+1·0	−1·5	−0·4	+0·4	+0·1	+0·3
	Roorkee	−0·7	−1·2	+0·3	−1·1	+0·1	−1·4	+0·9	+0·5	−1·0	−0·5	+0·6	−0·4	−0·3
	Meerut	−0·5	−0·9	+0·2	−1·0	+0·2	+1·6	0	0	−1·3	0	+0·5	+0·3	−0·1
	Lahore	+0·4	−1·4	+0·9	−0·7	−0·8	−2·3	−1·3	−0·7	−0·9	+0·1	+0·6	−0·3	−0·5
	Ludhiana	−1·8	−2·4	−1·1	−1·6	−1·0	−1·5	−0·6	−1·1	−0·9	−0·5	−0·2	−2·2	−1·2
Indus Valley and North-West India.	Peshawar	+1·5	−1·1	+0·6	−0·6	+0·1	−0·7	+0·5	−0·1	+0·6	+0·5	+1·1	+0·6	+0·3
	Jacobabad	−0·8	−1·2	−0·6	−1·9	−0·9	−0·8	−1·7	−1·9	−0·4	0	0	−1·4	−1·0
	Kurrachee	−1·0	−1·7	−0·7	−0·8	−0·7	−1·6	−0·2	−1·5	−2·3	−0·5	−0·2	−1·0	−1·0
East Rajputana, Central India and Gujarat.	Jaipur	−0·3	0	−0·1	−1·4	+0·1	−1·8	+0·8	−0·6	−1·3	−0·3	+0·1	−0·3	−0·4
	Deesa	−0·7	−0·3	−0·4	−0·7	−0·7	−1·9	+0·5	0	−0·8	−0·9	−0·8	−1·4	−0·8

TABLE XXIII.—*Departure of the monthly and annual mean cloud proportion of 1904 from the averages of past years*—concld.

Meteorological Province.	Station.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
Deccan	Belgaum	+1·1	+0·3	+0·3	−0·9	+0·6	+0·1	−0·2	+0·4	−0·2	+0·2	−1·1	+0·1	+0·1
	Sholapur	+0·3	+0·1	+0·5	−1·0	+0·5	+0·3	+0·2	−0·1	−0·3	−0·2	−1·9	−0·7	−0·2
	Akola	+0·2	+0·8	−1·0	−1·5	+0·6	+1·0	+0·3	+0·5	−0·3	+0·4	−0·8	+0·2	0
	Buldana	−0·5	+0·7	−0·2	−1·5	−1·1	+0·2	+0·5	+0·8	−1·6	+0·5	−1·6	0	−0·3
	Khandwa	−0·1	+1·5	−0·4	−1·3	+0·4	−0·4	−0·4	−0·9	−1·4	+0·8	−0·7	−0·1	−0·3
	Nagpur	−0·4	0	−0·3	−2·4	−0·1	0	−0·9	−0·4	−2·3	−0·1	−1·2	−0·4	−0·7
	Hyderabad (Deccan)	+1·6	−0·3	+0·8	−0·7	+1·1	+0·7	−0·7	−1·3	−0·4	+0·4	−2·1	−0·1	−0·1
West Coast	Bombay	+0·1	+0·7	0	−0·4	−0·2	+0·2	−0·4	+0·1	−1·0	+0·4	−0·5	+0·5	0
	Karwar	+0·1	−0·1	−0·8	−1·2	−0·6	+1·1	−0·5	−0·9	−1·1	−1·1	−1·3	−0·4	−0·6
South India	Salem	+1·9	0	−1·5	+0·1	+0·9	+2·0	+1·0	+0·2	+0·1	+0·9	−3·2	+0·7	+0·3
	Chitaldroog	+1·3	−1·3	−0·8	−1·3	−0·1	+1·0	−0·4	−0·5	−1·5	−1·3	−3·3	−0·4	−0·7
	Hassan	+1·8	−1·5	−0·2	−1·7	+0·1	+0·9	−0·3	−0·3	−0·3	−0·4	−2·8	−0·4	−0·4
	Mysore	+3·4	−0·8	+3·2	−0·4	+1·4	+1·3	+0·2	+0·2	−0·2	−0·7	−3·1	0	+0·4
	Madras	+0·5	−0·6	−0·7	−1·2	+0·5	+0·5	−1·0	−0·9	−1·2	−0·2	−2·4	+0·2	−0·5
	Bellary	+2·8	−0·5	−0·5	−1·3	−1·1	−0·2	−0·9	−1·3	−1·4	−1·4	−2·9	−0·6	−0·8
Hill Station, Baluchistan.	Quetta	+0·4	−1·1	+1·2	−1·2	−0·6	−0·9	−0·7	−0·8	−0·2	+0·1	+0·9	−0·9	−0·3
Hill Stations, Northern India.	Leh	0	−3·1	+0·9	−0·1	+0·2	−1·0	+0·1	−0·7	+0·6	+0·5	+0·1	−0·1	−0·2
	Srinagar	+1·3	+0·5	+1·1	−0·7	+1·1	−1·5	+0·6	+0·8	+0·7	+0·8	+0·6	+1·8	+0·6
	Simla (Ridge)	+1·7	−1·1	+1·5	−0·5	0	−2·3	+0·6	+0·4	−1·3	−0·2	+1·2	0	0
	Chakrata	−0·3	−1·8	+0·2	−1·3	+0·4	+1·0	+1·2	+1·1	−1·4	+0·1	+0·7	+0·2	0
	Ranikhet	−0·1	−1·6	+0·2	−1·7	−0·7	−0·9	+0·5	+0·5	−1·4	−0·4	+0·4	−0·2	−0·5
	Katmandu	−1·7	−0·1	0	−0·2	+0·4	+0·9	+0·9	+0·2	−0·5	−0·9	−1·0	−0·1	−0·2
	Darjeeling	−1·3	−1·2	−0·7	+1·2	+0·3	−1·7	+0·2	−1·0	−1·1	−0·4	−0·4	+0·1	−0·5
Hill Stations, Central India.	Mount Abu	−0·3	+0·2	−0·2	−0·6	−0·4	−1·0	+0·5	+0·2	−2·1	−0·5	−0·4	−0·7	−0·4
	Pachmarhi	−0·6	+1·2	+0·1	−1·9	−2·0	−2·0	−0·2	0	−2·2	−0·4	−1·8	−0·9	−0·9
	Chikalda	−0·4	+0·7	−0·6	−2·2	+0·6	−0·2	−0·7	−1·0	−1·2	+0·7	−1·4	+0·2	−0·5
Extra Indian Stations.	Aden	−1·7	−1·2	−1·0	−0·7	−0·7	−0·7	−1·3	−1·0	−1·3	−0·7	0	−1·4	−1·0
	Perim	−1·6	−2·0	−1·6	−1·4	−1·2	−1·6	−1·3	−2·0	−2·4	−1·2	−1·5	−1·2	−1·6
	Zanzibar	+1·5	+1·7	+0·8	+1·7	+1·4	+1·8	+1·4	+1·4	+0·8	+0·5	+1·6	+1·8	+1·4
	Port Victoria (Seychelles)	+0·8	+0·3	−1·7	−0·2	+0·3	−2·3	+0·7	+0·3	+0·3	−0·8	+0·1	−0·1	−0·2
	Mauritius (Pamplemouses)	+0·4	+1·1	+0·6	+0·7	−0·6	+0·1	+0·1	+0·1	+0·5	+1·0	+0·3	+0·2	+0·4

TABLE XXIV.—*Geographical summary of the cloud departure data of Table II in the Monthly Weather Reviews of 1904.*

METEOROLOGICAL AREA.	Number of stations.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	YEAR.
North-West Himalayas	5	+0·5	−1·8	+0·8	−0·9	+0·2	−0·9	+0·6	+0·4	−0·6	+0·2	+0·6	+0·3	−0·1
Sikkim Himalayas and Nepal	2	−1·5	−0·7	−0·4	+0·5	+0·4	−0·4	+0·6	−0·4	−0·8	−0·7	−0·7	0	−0·3
Punjab Plains	3	0	−1·6	+0·1	−1·0	−0·6	−1·5	−0·5	−0·6	−0·4	0	+0·5	−0·6	−0·5
Gangetic Plain	4—5	−0·7	−0·7	+0·2	−1·0	+0·3	+0·6	+0·6	+0·5	−1·3	−0·4	+0·4	+0·2	−0·1
Western Rajputana	4	−0·7	−0·8	−0·5	−1·0	−0·7	−1·3	−0·2	−0·8	−1·9	−0·5	−0·4	−1·1	−0·8
Eastern Rajputana and Central India	1	−0·3	0	−0·1	−1·4	+0·1	−1·8	+0·8	−0·6	−1·3	−0·3	+0·1	−0·3	−0·4
Nerbudda Valley	1	−0·1	+1·5	−0·4	−1·3	+0·4	−0·4	−0·4	−0·9	−1·4	+0·8	−0·7	−0·1	−0·3
Chota Nagpur	1	−1·6	+0·1	+0·3	−2·4	+0·4	+1·2	+0·5	+0·4	−0·7	+0·1	+0·6	−0·7	−0·2
Lower Bengal	2	−1·1	−1·4	−0·8	−0·8	+0·6	+0·2	0	−0·3	−1·3	−0·2	+0·6	+0·2	−0·4
Orissa	1	−0·5	−1·1	0	−1·4	+0·9	+1·2	−0·3	+0·4	0	+1·1	+0·7	+1·0	+0·2
Central Provinces (South) and Berar	5	−0·3	+0·7	−0·4	−1·9	−0·4	−0·2	−0·2	0	−1·5	+0·2	−1·4	−0·2	−0·5
Konkan	2	+0·1	+0·3	−0·4	−0·8	−0·4	+0·7	−0·5	−0·4	−1·1	−0·4	−0·9	+0·1	−0·3
Deccan, Hyderabad and Mysore	7	+1·8	−0·7	+0·5	−1·0	+0·3	+0·6	−0·3	−0·4	−0·6	−0·5	−2·5	−0·3	−0·3
East Coast and Carnatic	2	+1·2	−0·3	−1·1	−0·6	+0·7	+1·3	0	−0·4	−0·6	+0·4	−2·8	+0·5	−0·1
Arakan and Pegu	4	−0·8	−0·6	−0·5	+1·2	0	0	+0·1	−0·3	−0·8	−1·1	+0·3	−0·9	−0·3
Bay Islands	2	−0·1	−1·2	−0·9	+1·0	+0·2	+0·9	−0·1	−0·7	0	−0·2	+0·5	+0·5	0
Extra-Tropical India	23-24	−0·5	−0·9	0	−0·9	0	−0·5	+0·2	−0·1	−1·1	−0·2	+0·2	−0·2	−0·3
Tropical India	23	+0·4	−0·3	−0·3	−0·6	+0·1	+0·1	−0·2	−0·3	−0·8	−0·3	−1·3	−0·2	−0·3
Whole India	46—47	0	−0·6	−0·1	−0·8	0	−0·1	0	−0·2	−0·9	−0·1	−0·5	−0·2	−0·3

TABLE XXV.—*Departure of the mean monthly and annual cloud amount from normal in the nine meteorological provinces of India in 1904.*

METEOROLOGICAL PROVINCE.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	YEAR.
Burma Coast and Bay Islands	−0·4	−0·7	−0·6	+1·2	+0·2	+0·4	−0·1	−0·5	−0·6	−0·9	+0·1	−0·5	−0·2
Bengal and Orissa	−1·0	−1·3	−0·5	−0·6	+0·3	+0·1	+0·1	−0·1	−0·7	+0·2	+0·8	+0·3	−0·2
Gangetic Plain and Chota Nagpur	−1·2	−0·2	+0·1	−1·6	+0·2	+0·6	+0·5	+0·5	−1·1	−0·3	+0·3	0	−0·2
Upper Sub-Himalayas	−0·6	−1·3	−0·2	−1·0	−0·1	−0·3	0	−0·1	−1·1	−0·3	+0·4	−0·5	−0·4
Indus Valley and North-West Rajputana	−0·1	−1·3	−0·2	−1·1	−0·5	−1·0	−0·5	−1·2	−0·7	0	+0·3	−0·6	−0·6
East Rajputana, Central India and Gujarat	−0·5	−0·2	−0·3	−1·1	−0·3	−1·9	+0·7	−0·3	−2·1	−0·6	−0·4	−0·9	−0·7
Deccan	+0·3	+0·4	0	−1·3	+0·3	+0·3	−0·2	−0·1	−0·9	+0·3	−1·3	−0·1	−0·2
West Coast	+0·1	+0·3	−0·4	−0·8	−0·4	+0·7	−0·5	−0·4	−1·1	−0·4	−0·9	+0·1	−0·3
South India	+1·8	−0·6	−0·1	−0·7	+0·4	+1·1	0	−0·2	−0·6	−0·2	−2·4	+0·2	−0·1

I.—The cold weather period.—As might be anticipated from the character of the weather of the period skies were remarkably free from cloud over northern India. In Sind the amount was only three-fifths of the normal proportion. There was on the other hand more cloud than usual in the Peninsula, but the departures from the average were neither uniform nor very marked, except in the south where there was a decided excess.

Province or division.	Departure of mean 8 A.M. cloud amount from normal in		
	January.	February.	Period, January and February.
Burma	—0·6	—0·8	—0·7
Assam	—1·3	—1·2	—1·3
Bengal	—0·5	—0·6	—0·6
Orissa	—0·5	—1·3	—0·9
Bihar	—0·8	—0·8	—0·8
Chota Nagpur	—1·2	—0·7	—1·0
United Provinces of Agra and Oudh	—0·8	—0·6	—0·7
Punjab	—0·4	—1·6	—1·0
North-West Frontier Province	+0·8	—1·2	—0·2
Sind	—1·0	—1·2	—1·1
Rajputana	—0·9	—0·3	—0·6
Gujarat	+0·2	+0·5	+0·3
Central India	+0·2	+1·5	+0·9
Central Provinces	—0·5	+0·3	—0·1
Berar	—0·1	+0·3	+0·1
West Coast	+0·6	+0·1	+0·4
Bombay Deccan	+0·2	+0·5	+0·4
Hyderabad	0	—0·3	—0·3
Mysore	+2·0	—0·4	+0·8
Madras Coast	+0·5	—0·7	—0·1
Madras Deccan	+1·9	—0·4	+0·8
South India	+1·9	+0·2	+1·1

Skies were as little overcast in Baluchistan and the Himalayas as in the plains of northern India—in both cases a result of the absence of cold weather storms.

Station.	Departure of mean 8 A.M. cloud amount from normal in		
	January.	February.	Period, January and February.
Quetta	+1·1	—1·1	0
Chaman	—0·8	—2·4	—1·6
Leh	+0·1	—2·0	—1·0
Srinagar	+0·8	—0·3	+0·3
Gilgit	+1·0	+0·1	+0·6
Murree	—0·3	—2·9	—1·6
Chakrata	—1·0	—0·9	—1·0
Darjeeling	—1·3	—2·6	—2·0

II.—The hot weather period.—Notwithstanding the increased humidity and rainfall over a large part of the country the proportion of cloud was generally below the average. The deficiency was nowhere very appreciable, the only exceptions being south India, the Bombay Deccan, Berar and Sind.

Province or division.	Departure of mean 8 A.M. cloud amount from normal in			
	March.	April.	May.	Period, March to May.
Burma	—0·5	+0·2	—1·3	—0·5
Assam	—0·6	+0·9	+0·8	+0·4
Bengal	—0·8	+0·7	+0·4	+0·1
Orissa	—0·8	—0·9	—0·1	—0·6
Bihar	—0·4	—0·5	+0·6	—0·1
Chota Nagpur	+0·2	—1·5	—0·1	—0·5
United Provinces of Agra and Oudh.	—0·1	—0·9	+0·6	—0·1
Punjab	+1·0	—0·8	—0·5	—0·1
North-West Frontier Province	+1·7	—0·5	—0·5	+0·2
Sind	—0·7	—1·0	—1·0	—0·9
Rajputana	+0·1	—0·9	—0·1	—0·3
Gujarat	—0·3	—0·6	—0·9	—0·6
Central India	+0·7	—1·0	+1·4	+0·4
Central Provinces	—0·2	—1·8	0	—0·7
Berar	—0·6	—1·8	—0·4	—0·9
West Coast	—0·6	—0·8	+0·6	—0·3
Bombay Deccan	—0·3	—1·5	—0·5	—0·8
Hyderabad	—0·2	—1·3	+0·9	—0·2
Mysore	—0·7	—0·7	+1·3	0
Madras Coast	—0·8	—0·8	—0·3	—0·6
Madras Deccan	—0·6	—0·4	+0·9	0
South India	—0·5	—1·9	—0·1	—0·8

In Baluchistan and the hill districts of northern India the conditions were somewhat variable; but in Persia, Afghanistan and Ladak there was a marked excess of cloud throughout the period:—

Station.	Departure of mean 8 A.M. cloud amount from normal in			
	March.	April.	May.	Period, March to May.
Baghdad	+0·9	+1·1	+1·3	+1·1
Bushire	+1·6	+1·8	+0·9	+1·4
Ispahan	+1·1	+0·9	+0·2	+0·7
Teheran	−0·4	+0·1	+0·1	−0·1
Kabul	+1·5	+1·1	+1·2	+1·3
Leh	+0·9	+0·5	+1·9	+1·1
Quetta	+1·9	−1·1	−0·3	+0·2
Chaman	−0·1	−0·9	+0·4	−0·2
Simla	+1·4	−1·1	+0·2	+0·2
Chakrata	−0·3	−1·2	+0·6	−0·3
Darjeeling	−2·0	+0·9	+0·8	−0·1

III.—The south-west monsoon period.—As is ordinarily the case during this period the distribution of cloud was in strict accordance with the chief abnormal features of rainfall. Thus there was much less cloud than usual over the greater part of the country, more especially in the region usually dominated by the Arabian Sea current; the areas of greatest departure on the mean of the period were Rajputana, Sind, the Deccan and Assam:—

Province or division.	Departure of mean 8 A.M. cloud amount from normal in				
	June.	July.	August.	September.	Period, June to September.
Burma	+0·5	+0·1	−0·6	−0·1	0
Assam	−2·3	−0·6	−0·7	−1·2	−1·2
Bengal	−0·6	−0·3	−0·8	−1·7	−0·9
Orissa	+0·2	−0·5	−0·9	−1·0	−0·6
Bihar	−0·2	−0·9	−0·1	−2·4	−0·9
Chota Nagpur	+0·7	+0·1	+0·1	−1·0	0
United Provinces of Agra and Oudh.	−1·3	+0·2	+0·1	−1·1	−0·6
Punjab	−1·6	−0·2	−0·5	−0·2	−0·6
North-West Frontier Province.	−1·0	+0·1	−0·7	+0·5	−0·3
Sind	−0·9	−1·3	−1·4	−1·1	−1·2
Rajputana	−2·0	−0·8	−1·6	−0·8	−1·3
Gujarat	−0·6	+0·4	0	−1·2	−0·4
Central India	+1·3	+1·9	+1·1	−0·5	+1·0
Central Provinces	0	−0·3	−0·7	−1·4	−0·6
Berar	+0·5	−0·4	+0·2	−0·4	0
West Coast	+0·7	0	−0·5	−0·4	−0·1
Bombay Deccan	−0·8	−0·9	−1·4	−1·3	−1·1
Hyderabad	+0·1	−0·4	−2·2	−0·9	−0·9
Mysore	+1·1	+0·1	+0·1	−0·9	+0·1
Madras Coast	+0·6	−0·7	−0·5	−1·7	−0·6
Madras Deccan	−0·1	−1·5	−2·0	−1·5	−1·3
South India	+0·6	−0·4	−1·5	−1·7	−0·8

The only exceptions to the universal deficiency were Burma, Chota Nagpur, Berar, Mysore and Central India.

Save in Ladak and the Nilgiris the cloud proportion was low almost everywhere in the hill districts.

Station.	Departure of mean 8 A.M. cloud amount from normal in				
	June.	July.	August.	September.	Period, June to September
Quetta	−0·6	−0·5	−0·6	−0·1	−0·5
Leh	−0·2	+1·1	+0·5	+1·6	+0·8
Srinagar	−1·5	−0·1	+0·1	+0·2	−0·3
Gilgit	−0·5	−0·7	0	+0·3	−0·2
Simla	−2·8	−0·1	+0·5	−0·1	−0·6
Cherat	−2·0	+0·3	−0·1	0	−0·5
Chakrata	+1·2	−4·3?	−5·2?	−1·6	−2·5 ?
Ranikhet	−2·1	0	+0·3	−2·8	−0·9
Darjeeling	−1·1	−0·1	?	−2·4	?
Pachmarhi	−0·9	+0·9	+0·3	−1·4	−0·3
Wellington	+2·9	+0·7	−0·1	−0·5	+0·8

IV.—The retreating south-west monsoon period.—(1) There was on the average of the period a slight excess of cloud in Bengal and Central India.

(2) Skies were, on the other hand, less clouded than usual in Burma, Assam, Sind, Rajputana and Gujarat, while in the Punjab and the United Provinces the quantity was normal.

(3) Skies were less clouded than usual over nearly the whole of the Peninsula where the autumn rains were below the average. The proportion of cloud was relatively to the normal least in South India and Mysore where the deficiency on the mean of the period was as much as 1·2.

The following gives local departures of mean 8 A.M. cloud amount from normal for each month and for the period in the various parts of India :—

Province or division.	Departure of mean 8 A.M. cloud amount from normal in			
	October.	November.	December.	Period, October to December.
Burma	−1·5	+0·6	+0·1	−0·3
Assam	−1·6	+0·5	−0·4	−0·5
Bengal	−0·7	+1·3	+0·6	+0·4
Orissa	+0·3	+0·4	+0·9	+0·5
Bihar	−1·2	−0·1	+0·2	−0·4
Chota Nagpur	−0·5	+0·3	0	−0·1
United Provinces of Agra and Oudh.	−0·2	+0·1	0	0
Punjab	+0·3	+0·2	−0·6	0
North-West Frontier Province	+0·9	+0·4	+0·1	+0·5
Sind	−0·2	−0·6	−1·7	−0·8
Rajputana	−0·2	−0·3	−0·9	−0·5
Gujarat	−0·4	−0·8	−0·8	−0·7
Central India	+0·8	−0·3	+0·8	+0·4
Central Provinces	+0·1	−0·7	−0·1	−0·2
Berar	+0·6	−1·0	−0·4	−0·3
West Coast	+0·2	−0·9	+0·3	−0·1
Bombay Deccan	+0·1	−1·1	−0·1	−0·4
Hyderabad	+0·3	−1·4	−0·4	−0·5
Mysore	−1·3	−2·8	+0·4	−1·2
Madras Coast	−0·2	−1·1	+0·9	−0·1
Madras Deccan	−0·9	−2·1	+0·2	−0·9
South India	−1·2	−2·8	+0·5	−1·2

(4) Cloud was in excess in Persia and Kashmir, more especially in October: it was on the other hand more or less in defect at the Himalayan stations and in Baluchistan, the deficiency being shown chiefly in December.

Station.	Departure of mean 8 A.M. cloud amount from normal in			
	October.	November.	December.	Period, October to December.
Teheran	+1·4	+0·6	0	+0·7
Bushire	+0·5	−0·1	+0·7	+0·4
Jask	+1·5	+1·3	+0·8	+1·2
Baghdad	+1·6	−2·3	+1·2	+0·2
Kashgar	−1·7	−2·6	−0·3	−1·5
Chaman	+0·2	−1·3	−1·7	−0·9
Leh	+0·9	+0·6	+0·5	+0·7
Srinagar	−0·8	+0·5	+0·9	+0·2
Gilgit	+2·4	+0·8	+0·3	+1·2
Murree	−0·1	−0·1	−1·0	−0·4
Chakrata	−0·1	−0·4	−1·2	−0·6
Darjeeling	−2·0	−1·4	−1·2	−1·5

The year.—The mean 8 A.M. cloud amount of the year in the Indian area was 0·3 (or 3 per cent. of the sky expanse) in defect; the deficiency being shared equally by tropical and extra-tropical India. The region of greatest deficiency was defined by Rajputana, Sind, Central India and Gujarat, and in these areas the defect of cloud was not a temporary feature, being shown in eleven months of the year.

The following gives the departure of the mean amount of cloud in the Indian area, year by year, for the period 1875-1904:—

Year.	Amount of departure.	Year.	Amount of departure.
1875	0	1890	+0·2
1876	−0·2	1891	+0·1
1877	+0·3	1892	+0·1
1878	+0·1	1893	+0·5
1879	−0·1	1894	+0·5
1880	−0·1	1895	+0·1
1881	−0·1	1896	−0·2
1882	0	1897	0
1883	+0·1	1898	−0·2
1884	−0·1	1899	−0·3
1885	+0·2	1900	+0·2
1886	+0·2	1901	+0·1
1887	−0·1	1902	−0·1
1888	−0·2	1903	−0·1
1889	+0·1	1904	−0·3

Snowfall.

A.—The cold and hot weathers of 1903-04.

(1) The precipitation was very irregularly distributed in the Persian area, being in defect in Asiatic Turkey and south and east Persia while it was above the normal in the northern half of Persia. There was no abnormal prolongation of the winter conditions in Irán.

(2) The precipitation in Baluchistan was approximately normal in amount and occurred chiefly in January and March.

(3) The snowfall was on the whole less than usual in Afghanistan and the mountain tract bordering the Punjab on the west. It appears to have fallen chiefly in December, January and March, and to have melted in April and May, with the result that there was at the end of May no unusual accumulation in those areas except perhaps in Kurrum, where on the higher peaks of the Sufed Koh there was a depth of about 4 feet at the end of May and the passes were all closed.

(4) The precipitation in Chitral was apparently largely below the normal, more especially in March and April. It was on the whole similar in amount to that of the corresponding period of 1901-02.

(5) The precipitation in Gilgit was scanty and below the normal during the period from November to April. It was on the other hand, much heavier than usual in May. The total amount of the season was only 14 per cent. in defect of the normal.

(6) The season was remarkably dry in Ladak.

(7) The total precipitation in Leh from 1st of November 1903 to the end of May 1904 was only 0·28 inch or barely 20 per cent. of the normal fall. The snowline was throughout the period above 14,000 feet on the sunny side of the ranges to the north of Leh. On the other hand, heavy snow is reported to have fallen on the Zoji-La between Ladak and Kashmir.

(8) Moderate to heavy snow fell in the western Himalayas during the last week of December and the first fortnight of January.

A change occurred in the third week of January when fine weather set in and continued with slight interruptions throughout February. The snow melted rapidly during this period and the accumulation at the end of February was undoubtedly much below the average over the greater part of the area. March was more disturbed than usual and heavy snow fell on the higher and middle ranges. Occasional falls were also received in April and May but the weather was on the whole drier and finer than usual. The snow thus melted with great rapidity and the accumulation at the end of May was probably below the normal over nearly the whole of the area.

(9) In Kumaon the snowfall of the past winter was less than usual except in Byans, Canhdan and Durma where it was considerably above the average. It was lighter than usual also in Garhwal.

(10) In Bhutan snow fell in the beginning of February down to a much lower elevation than usual. The total fall of the season was probably in excess of the normal.

(11) According to the scanty information available for the eastern Himalayas the snowfall was below the normal except locally on the hills to the north and east of Sadiya, where it was heavier than usual. This was also the case in the previous two years.

(12) Except perhaps in Kurram and parts of the Punjab and Kumaon Himalayas, there was at the end of May apparently no unusual accumulation of snow.

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

During June there were occasional falls of snow in the middle and higher ranges of the western Himalayas, but the total fall was small and less than the normal of the month except locally in the Hazara district and on the passes leading into the Pamirs: it was considerable in the latter area. A somewhat heavy fall occurred also on the Chang La at the end of the month. Light falls were received in July in the Kashmir, Punjab and Kumaon Himalayas, but were restricted to elevations above 14,000 feet. Little snow fell in August except in parts of Kashmir and Kumaon, the total fall of the month measuring 6 feet in Malla Johar and 1½ feet in Malla Danpur. There were occasional snow showers in September in Kashmir and the Simla and Kumaon hills, but they were with one exception light. The snow line descended to 11,000 feet in the Simla hills.

C.—The period October to December.

(*a*) The snowfall was considerably heavier than usual in October in the Kumaon, Kailang, Simla and Chamba hills, and about the average in the Kashmir hills. The snowline descended to about 9,000 feet in the Simla hills.

(*b*) There were several falls in November in the Afghan mountains and the western Himalayas. The total fall was much above the average over the greater part of the area. Snow fell down to 6,000 feet in Kurram, to 6,500 feet in Kashmir and to 7,000 feet in the Simla and Garhwal hills.

(*c*) In December the snowfall was normal or below it in the Afghan mountain districts excepting Kurram, and greater than usual in the western Himalayas. The snow line descended as low as 6,000 feet in the Simla hills about the middle of the month. The chief feature of the weather was the unusual cold.

Rainfall.

The rainfall data of India are now issued in a separate volume. The fourteenth volume, that of 1904, contains the whole rainfall data of 2,486 stations, which are classified under their respective administrative divisions according to the following scheme :—

Province.	Number of stations.
Burma	181
Assam	119
Bengal, Bihar, Chota Nagpur and Orissa	392
United Provinces of Agra and Oudh	277
Punjab	188
North-West Frontier Province	32
Bombay	284
Madras	401
Coorg	10
Central Provinces and Berar	134
Mysore	77
Baluchistan	54
Kashmir	37
Rajputana	156
Central India	69
Hyderabad (Deccan)	22
Travancore	39
Cochin	3
Pudukkottai	11

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

Table XXVI gives the departures of the monthly and annual rainfall in 1904 of 545 representative stations in India, including Baluchistan and Burma.

The four tables (Tables XXVII to XXX) give summaries of the rainfall data of the year. In the first two tables (Tables XXVII and XXVIII) the summaries are drawn up in the form that was used for many years in the Annual Reports issued by the Department. In the two succeeding tables (Tables XXIX and XXX) the actual average rainfall data (derived from the returns of 2,486 rain-gauge stations in India) are given for the 57 meteorological districts into which the Empire is divided for the comparison of crops and rainfall for the four periods into which the year may be arranged. The four periods are as follows :—

1st.—From January 1st to February 28th, which form 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 is 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 southern India, more especially of the Coromandel Coast districts.

TABLE XXVI.—*Departure of the monthly and total rainfall (in inches) in 1904, from the averages of past years.*

Province.	Station.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
Baluchistan	Kalat	?	?	?	−0·47	−0·26	−0·17	−0·49	−0·45	−0·04	−0·15	+0·06	−0·8[illegible]	?
	Pishin	+2·85	−1·91	+1·61	−0·69	−0·23	−0·03	−0·16	−0·16	−0·01	−0·05	−0·36	−1·32	−0·46
	Chaman	+0·39	−1·13	+0·97	−0·36	−0·08	−0·09	−0·11	0	0	−0·04	−0·46	−1·13	−2·04
	Quetta	+2·52	−1·51	+0·66	−0·97	−0·43	−0·18	0	−0·51	−0·11	−0·08	+0·02	−0·89	−1·48

TABLE XXVI.—*Departure of the monthly and total rainfall (in inches) in 1904, from the averages of past years*—contd.

PROVINCE.	STATION.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	TOTAL.
BALUCHISTAN—*contd.*	Mach	+0·59	−1·39	+2·31	−0·33	−0·06	−0·56	−0·99	−1·15	+0·30	−0·34	+0·01	−0·59	−2·20
	Beleli	+3·34	−1·79	+2·03	−0·95	−0·29	−0·14	−0·09	−0·40	−0·03	−0·06	−0·58	−1·49	−0·45
	Kuchelak	+4·25	−1·99	+1·76	−0·67	−0·28	−0·08	−0·13	−0·16	−0·12	−0·10	−0·59	−1·54	+0·35
	Fort Sandeman	+0·18	−1·16	+2·53	−0·92	−0·47	−1·08	−1·83	−0·92	+0·10	−0·05	−0·26	−0·03	−3·91
	Bostan	+1·93	−2·20	+1·28	−0·37	−0·13	−0·18	−0·30	−0·16	−0·03	−0·09	−0·38	−1·72	−2·35
	Yarookarez	+2·52	−1·22	+1·44	−0·48	−0·07	−0·04	−0·01	−0·15	0	−0·05	−0·28	−1·69	−0·03
	Syed Hamed	+2·66	−1·98	+0·92	−0·52	−0·03	−0·01	0	0	0	−0·07	−0·70	−1·03	−0·76
	Gulistan	+2·75	−1·59	+0·22	−0·63	−0·14	−0·04	−0·03	0	−0·04	−0·06	−0·63	−1·13	−1·32
	Killa Abdulla	+3·90	−2·24	+0·61	−0·98	−0·13	−0·03	−0·08	−0·02	−0·02	−0·10	−0·88	−1·24	−1·21
	Khanai	+2·14	−2·01	+1·34	−1·02	−0·04	−0·18	−0·17	−0·13	0	−0·07	−0·32	−1·14	−1·60
	Fuller's Camp	+1·94	−2·11	+1·26	−1·10	−0·41	−0·14	−0·41	−0·11	−0·06	−0·10	−0·68	−1·07	−2·99
	Kachh	+4·59	−2·60	+0·[illegible]4	−0·87	−0·35	−0·26	−0·30	−0·15	−0·11	−0·07	−0·55	−1·72	−1·75
	Mudgorge	+1·63	−1·25	+2·[illegible]1	−0·40	−0·32	−0·22	+0·08	−0·28	−0·05	−0·09	−0·99	−0·94	−0·42
	Mangi	+2·38	−1·04	+2·82	−0·58	−0·24	−0·64	−0·34	−0·25	−0·12	−0·06	−0·81	−1·17	−0·05
	Dirgi	+1·05	−0·62	+2·58	−0·56	−0·32	−0·38	−0·25	+0·90	−0·12	−0·05	−0·55	−1·13	+0·55
	Khost	+0·44	−1·63	+3·03	−0·31	−0·24	−0·43	−1·16	−0·58	−0·17	−0·06	−0·91	−0·95	−2·97
	Shahrig	−0·14	−1·22	+3·51	−0·27	−0·31	−0·59	−2·18	−1·20	−0·35	−0·06	−0·76	−0·56	−4·13
	Nasak	+0·93	−1·36	+3·54	−0·10	−0·25	−1·12	−1·50	−2·00	−0·33	−0·08	−0·21	−1·01	−3·49
	Harnai	+0·75	−0·29	+4·39	−0·46	−0·17	−1·10	−2·26	−2·59	−0·60	−0·07	−0·12	−0·68	−3·20
	Sunari	+0·72	−0·08	+4·67	−0·32	−0·18	−0·88	−2·90	−3·24	−0·51	−0·08	−0·12	−0·55	−3·47
	Spintangi	−0·23	−0·78	+4·14	−0·25	−0·19	−0·72	−2·04	−2·68	−0·24	0	−0·13	−0·74	−3·86
	Mushkaf	+0·47	−0·04	+2·98	−0·03	−0·05	−0·17	−1·08	−1·15	+0·24	0	−0·07	−0·16	+0·94
	Baber Kach	+0·53	−0·47	+4·47	−0·16	−0·12	−0·31	−1·50	−1·45	−0·13	−0·03	−0·27	−0·44	+0·12
	Loralai (Hospital.)	+0·98	−0·48	+4·11	−0·45	−0·68	−0·33	−1·45	−1·05	−0·22	−0·03	−0·14	−0·21	+0·05
	Nari	+0·12	−0·58	+3·25	−0·08	−0·06	−0·25	−1·51	−1·19	+0·47	−0·01	−0·17	−0·51	−0·52
	Sibi	+0·12	−0·07	+2·66	−0·11	−0·06	−0·22	−1·27	−1·33	−0·14	0	−0·17	−0·56	−1·15
	Kolepur	+2·36	−0·57	+2·50	−0·54	−0·17	−0·09	−1·00	−0·49	−0·08	−0·03	+0·07	−1·18	+0·78
	Hirok	+0·44	−1·55	+3·17	−0·52	−0·10	−0·36	−1·13	−0·94	−0·15	−0·07	−0·25	−1·18	−2·64
	Mitri	−0·41	−0·15	+3·78	−0·29	−0·01	−0·22	−1·25	−0·73	+0·14	−0·01	−0·15	−0·43	+0·27
	Lindsay	−0·30	−0·27	+1·85	−0·07	−0·13	−0·16	−0·89	−0·86	−0·22	0	−0·12	−0·39	−1·56
	Bellput	−0·25	−0·16	+2·07	−0·07	−0·03	−0·17	−0·98	−1·01	−0·08	0	+0·25	−0·27	−0·70
	Nuttal	−0·35	−0·37	+1·06	−0·10	−0·22	−0·09	−1·07	−0·86	−0·15	0	−0·35	−0·40	−2·90
	Temple Dera	−0·37	−0·23	+0·14	−0·07	−0·08	−0·18	−0·97	−1·00	−0·04	0	−0·16	−0·28	−3·24
	Jhatput	+0·08	−0·09	+1·93	−0·03	−0·14	+0·43	−0·63	−0·85	−0·08	0	−0·18	−0·24	+0·20

TABLE XXVI.—*Departure of the monthly and total rainfall (in inches) in 1904, from the averages of past years*—contd.

Province.	Station.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November	December.	Total.
Baluchistan—*concld.*	Sangal	+5·41	−0·97	+1·88	−0·41	−0·10	−0·01	−0·13	−0·03	0	−0·08	−0·26	−1·47	+3·83
	Shulabagh	+2·49	−2·34	+1·17	−0·49	−0·09	−0·02	−0·40	−0·02	0	−0·10	−0·16	−1·71	−1·67
	Panir	+0·41	−0·31	+3·16	−0·03	−0·06	−0·08	−0·61	−0·65	+0·72	−0·01	−0·09	−0·58	+1·87
Punjab and North-West Frontier Province.	Abbottabad	+3·35	−3·21	+1·30	−2·32	−0·79	−3·12	+0·27	+1·43	−1·89	+1·80	+0·73	+0·43	−2·02
	Cherat	+1·19	−3·28	+8·73	−1·93	−0·71	−0·60	−0·71	+1·49	−1·12	+1·04	+0·22	−0·49	+3·83
	Murree (Obsy.)	+2·32	−3·94	+3·21	−2·93	−1·14	−3·38	+0·42	+3·70	−2·51	+0·07	+0·63	+2·16	−1·39
	Poo	+0·46	−2·40	−1·04	+0·94	+0·39	−0·15	+0·29	−0·38	+0·27	+0·17	−0·42	−0·87	−2·74
	Dharamsala	−1·03	−2·90	+3·21	−1·16	+0·64	−8·20	+1·28	+1·83	−5·78	+0·44	+0·30	+0·21	−11·16
	Kailang	+0·64	−2·05	+1·58	−0·26	+3·15	−1·06	+0·79	−0·07	−0·83	+2·80	+0·14	−0·19	+4·64
	Kilba	−2·09	−4·51	−0·87	−1·45	−0·23	−1·20	−1·31	−2·19	−0·62	+0·85	−1·00	−1·30	−15·92
	Simla (Obsy.)	−1·32	−2·47	+2·60	−1·71	−0·68	−2·23	+7·39	−3·39	−4·17	−0·20	+0·81	−0·63	−6·00
	Peshawar (Obsy.)	+1·76	−1·28	+5·39	−0·83	−0·33	−0·27	−0·84	−1·03	+0·39	+0·29	−0·51	−0·36	+2·38
	Kohat	+1·28	−1·30	+6·11	−1·42	+0·02	−0·69	−2·89	+0·04	−0·59	+1·45	+0·21	−0·33	+1·89
	Bannu	+0·25	−0·86	+4·53	−1·21	−0·49	−0·90	−0·96	−1·10	−0·20	+0·14	+0·21	−0·28	−0·87
	Dera Ismail Khan.	+0·84	−0·80	+6·59	−0·60	−0·38	−0·65	−1·58	−0·83	−0·48	−0·10	−0·01	−0·24	+1·76
	Dera Ghazi Khan.	+0·77	−0·45	+1·51	−0·32	−0·45	−0·47	−1·63	−1·02	−0·45	+0·11	−0·08	−0·05	−2·53
	Muzaffargarh	+0·65	−0·35	+1·39	−0·33	−0·21	−0·35	−1·36	−1·42	−0·52	−0·08	+0·02	+0·03	−2·53
	Mooltan (Obsy.)	+0·68	−0·35	+1·64	−0·27	−0·39	−0·43	−2·19	−1·38	−0·60	−0·07	+0·81	+0·14	−2·41
	Jhang	+0·34	−0·45	+2·24	−0·05	−0·28	−0·99	−3·02	−1·15	−0·58	−0·14	+0·21	−0·30	−4·17
	Montgomery	+0·55	−0·55	+1·61	−0·16	+0·12	−1·12	−1·63	−2·13	−0·75	−0·13	+0·52	+0·13	−3·54
	Shahpur	+1·23	−0·95	+3·10	−0·62	−0·68	−1·18	−1·54	+0·92	−1·50	−0·15	+0·52	−0·26	−1·11
	Rawalpindi	+2·20	−2·06	+2·78	−1·66	−0·72	−1·79	−1·20	+1·88	−2·57	−0·35	−0·03	+0·44	−3·08
	Jhelum	+1·35	−1·38	+3·22	−0·74	−0·26	−1·33	−1·03	+0·17	−1·12	−0·45	+0·17	+0·71	−0·69
	Gujarat	+2·41	−1·52	+2·78	−0·91	−0·41	−2·25	−5·36	−2·66	−1·69	−0·15	−0·13	+0·86	−9·03
	Sialkot (Obsy.)	+1·41	−1·85	+4·15	−1·21	0	−2·32	−6·22	−3·89	−1·22	−0·19	+0·20	−0·63	−11·77
	Gujranwala	+0·97	−1·41	+3·88	−0·70	+0·24	−1·43	−5·18	−2·85	−0·63	−0·37	+0·32	+0·06	−7·10
	Gurdaspur	−0·24	−1·68	+4·05	−0·47	−0·49	−3·66	−3·87	−5·25	−0·60	+0·25	+0·03	+0·28	−11·65
	Lahore	+0·52	−1·13	+4·48	−0·19	−0·59	−0·87	−5·89	−2·33	−1·61	−0·39	−0·05	−0·47	−8·52
	Amritsar	+0·62	−0·78	+2·91	−0·55	−0·57	−1·35	−6·81	−3·36	−1·48	+0·29	−0·14	+0·53	−10·69
	Ferozepore	+0·03	−0·86	+2·92	−0·51	−0·57	−1·40	−6·12	−3·04	−0·96	−0·11	+0·65	−0·35	−10·32
	Jullundar	−0·47	−1·00	+4·32	−0·51	+0·08	−2·36	−6·52	−0·40	+0·16	+1·03	+0·06	+1·66	−3·95
	Hoshiarpur	−0·73	−1·60	+2·06	−0·07	−0·21	−3·26	−3·40	−3·57	+0·42	+0·30	+0·38	+0·63	−9·05
	Ludhiana	−0·27	−1·11	+2·61	−0·65	−0·21	−1·82	−6·95	+0·03	−0·53	−0·43	+0·59	+0·33	−8·41
	Ambala	−0·43	−1·34	+2·19	−0·10	+0·46	−2·96	−3·72	−6·20	−1·54	−0·44	+0·71	+0·64	−12·73

TABLE XXVI.—*Departure of the monthly and total rainfall (in inches) in 1904, from the averages of past years*—contd.

Province.	Station.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
Punjab and N.-W. F. Province—*contd.*	Sirsa	−0·63	−0·35	+1·13	−0·34	−0·62	−0·08	−3·35	−2·23	+1·78	+0·03	−0·02	−0·24	−4·92
	Hissar	−0·33	−0·42	+3·30	−0·22	−0·47	−0·64	−3·46	+2·19	+0·20	−0·21	−0·01	+0·42	+0·35
	Rohtak	−0·47	−0·56	+1·21	−0·24	+0·53	−1·60	−2·62	+0·25	+1·98	−0·34	+0·52	+0·40	−0·94
	Delhi (Obsy.)	−0·88	−0·61	+0·67	−0·35	+0·48	−1·36	−1·95	+0·35	+5·73	−0·39	+0·45	+0·58	+2·72
	Gurgaon	−0·77	−0·32	+0·66	−0·16	+1·16	−2·45	−5·56	−0·97	+1·25	−0·34	+1·31	+0·36	−5·83
	Karnal	−0·68	−1·16	+1·77	−0·41	+2·66	−2·76	+1·60	+2·03	−1·03	−0·12	+0·03	+1·15	+3·08
Sind.	Kurrachee	+0·80	+0·60	+2·10	−0·13	−0·03	−0·47	−3·06	−1·73	−0·64	−0·04	−0·16	−0·19	−2·95
	Sehwan	−0·09	−0·19	+0·30	−0·16	−0·16	−0·28	−1·73	−2·38	−0·55	0	−0·10	−0·14	−5·48
	Tatta	+0·10	+0·69	+0·70	−0·28	−0·01	−0·88	−3·37	−1·79	−0·72	0	−0·19	−0·09	−5·84
	Hyderabad (Obsy.)	+0·25	+0·05	+0·47	−0·16	−0·12	−0·43	−2·53	−3·08	−0·52	0	−0·10	−0·05	−6·22
	Umarkot	+0·11	+0·51	+1·53	−0·08	−0·10	−0·78	−2·32	−3·31	−1·00	−0·14	−0·05	−0·03	−5·66
	Shikarpur	−0·02	−0·32	+1·10	−0·19	−0·09	−0·10	−1·00	−1·55	−0·18	0	−0·12	+0·62	−1·85
	Rohri	+0·14	−0·33	+1·49	−0·26	−0·15	−0·22	−1·08	−1·31	−0·24	−0·01	−0·11	+0·08	−2·00
	Jacobabad	+0·42	−0·16	+1·32	−0·17	−0·15	+0·20	−1·21	−1·25	−0·19	0	−0·12	−0·14	−1·45
Cutch.	Bhuj	+0·08	−0·07	+0·61	−0·09	−0·13	−2·06	−4·31	−3·03	+0·31	−0·64	+0·32	−0·06	−9·07
	Rhahpur	−0·06	+0·01	+0·32	−0·08	−0·15	−1·48	−3·72	−3·38	−2·60	−0·46	−0·16	−0·04	−11·80
	Nagar	−0·14	−0·09	+0·52	−0·04	−0·40	−1·87	−0·75	−4·83	−1·01	−0·24	−0·05	−0·03	−8·93
Rajputana.	Jaisalmer	+0·03	−0·08	+0·36	−0·10	+0·49	−0·58	−2·28	−2·14	−0·60	0	+0·28	−0·09	−4·71
	Phalodi	+0·02	−0·11	+0·49	+0·18	+0·30	−0·83	−2·77	−1·34	−0·61	0	0	−0·14	−4·81
	Bikaner	−0·08	−0·24	+1·21	−0·10	−0·79	−0·56	−2·86	−1·71	+1·60	+0·02	+0·15	+0·57	−2·79
	Nagar	−0·21	+0·35	+1·24	−0·08	+1·50	−0·15	−2·79	+0·96	−1·71	+0·03	0	+0·65	−0·21
	Didwana	−0·27	+0·79	+1·79	+0·17	+0·44	−0·07	+0·06	−0·30	−0·92	−0·13	+0·10	+1·45	+3·11
	Jhunjhunu	−0·61	−0·22	+0·42	−0·10	+0·26	−2·25	−3·37	−0·45	−0·95	−0·11	−0·07	+1·00	−6·45
	Khetri	−0·54	−0·54	+0·80	+0·09	+0·04	+1·10	−2·62	+2·47	+0·60	−0·22	+0·45	+0·76	+2·39
	Sikar	−0·26	+0·16	+1·03	−0·10	+0·75	−2·01	−4·76	+4·79	−0·62	−0·20	+0·38	+1·68	+0·84
	Sri Madhopur	−0·51	−0·26	+1·87	−0·15	+0·22	−1·09	−4·84	+4·00	−1·62	−0·05	+0·42	+0·86	−1·15
	Alwar	−0·55	−0·42	+0·44	−0·11	+2·02	−1·41	−0·34	+11·03	+2·65	−0·72	+0·86	+0·23	+13·68
	Bharatpur	−0·20	−0·09	+0·13	−0·05	+0·77	−0·50	+2·60	+10·28	−1·60	−0·35	+0·32	+1·44	+12·75
	Bandikui	−0·38	−0·17	+0·34	−0·09	+0·65	+0·81	+1·34	+6·95	+1·55	−0·09	−0·16	+1·10	+11·85
	Jaipur	−0·37	−0·09	+0·74	−0·16	−0·01	−1·74	−1·20	+3·47	−1·73	−0·21	+0·19	+0·94	−0·17
	Sambhar	−0·06	−0·09	+1·39	−0·14	−0·17	+2·07	−1·81	−0·67	−2·95	−0·29	+0·14	+0·27	−2·31
	Karauli	−0·18	−0·01	+0·34	−0·09	−0·42	−3·12	+6·27	+3·47	−3·08	−0·12	+0·05	+0·29	+3·40
	Lalsot	−0·22	−0·09	+1·00	−0·06	+0·87	−1·57	+5·14	+3·99	0	−0·15	+0·77	+0·21	+9·89
	Tonk	+0·31	+0·06	+1·02	−0·08	+0·78	−2·12	+7·05	−3·25	−0·28	−0·47	+0·04	+1·20	+4·26

TABLE XXVI.—*Departure of the monthly and total rainfall (in inches) in 1904, from the averages of past years*—contd.

PROVINCE.	STATION.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	TOTAL.
RAJPUTANA—*concld.*	Siwai Madhopur.	—0·14	+0·52	+0·62	—0·10	—0·08	—3·51	+13·02	+2·93	—1·01	—0·12	—0·02	+0·08	+12·19
	Deoli	+0·08	—0·04	+0·96	—0·16	—0·42	—2·77	+1·26	+0·84	—2·57	—0·39	—0·01	+0·13	—3·09
	Kotah	+0·36	—0·16	+0·80	—0·13	+0·74	—2·72	+12·24	—4·05	—2·36	—0·32	+0·03	+0·04	+4·47
	Jhalrapatan	—0·12	+0·08	+0·27	—0·05	+0·21	—2·49	+14·80	—3·75	—4·23	—0·51	—0·09	—0·43	+3·69
	Ajmer	—0·11	—0·28	+0·82	—0·13	+0·78	—0·34	—2·68	—0·54	—2·78	—0·29	—0·05	+0·31	—5·29
	Nasirabad	—0·17	—0·31	+0·88	—0·07	+1·35	—1·97	—1·63	—0·04	—2·08	—0·22	+0·01	+0·46	—3·79
	Malpura	—0·13	+0·10	+0·87	—0·05	+0·07	+0·40	+4·10	—0·49	—1·22	—0·02	—0·02	+0·39	+4·00
	Beawar	—0·22	—0·07	+0·45	—0·12	+1·11	+0·65	—2·81	—2·18	—2·44	—0·17	—0·18	—0·08	—6·06
	Jodhpur	—0·24	—0·09	+0·45	—0·06	—0·05	—0·13	—2·17	—4·01	—0·34	+0·10	—0·10	—0·07	—6·71
CENTRAL INDIA.	Pachpadra	—0·32	+0·29	+0·39	—0·05	—0·03	—1·17	—3·55	—2·56	—1·52	—0·04	—0·06	—0·12	—8·74
	Jasol	—0·18	+0·27	+0·62	—0·05	—0·16	—1·28	—3·11	—2·53	—1·10	+0·04	—0·18	—0·08	—7·74
	Barmer	—0·15	+0·01	+0·30	—0·06	—0·01	—1·54	—2·33	—0·74	—1·42	—0·03	—0·11	—0·05	—6·13
	Pali	—0·09	+0·13	+0·53	—0·04	+0·20	—1·62	+1·86	—1·91	—1·09	—0·08	—0·25	—0·05	—2·41
	Shahpura	+0·20	+0·08	+0·64	—0·17	+0·15	—1·82	—0·64	—1·30	—3·27	—0·42	+0·02	+0·06	—6·47
	Erinpura	+0·05	—0·21	+0·03	—0·05	+0·86	—0·75	—0·57	—1·87	—2·97	+0·16	+0·36	—0·15	—5·11
	Sirohi	+0·17	—0·07	+0·04	—0·15	+0·09	—0·57	—3·19	—3·40	—3·51	+0·03	—0·05	—0·13	—10·74
	Mouut Abu	—0·11	—0·19	+0·38	—0·08	—0·73	—5·10	—17·38	—20·38	—9·04	—0·72	—0·18	—0·24	—53·77
	Kotra	+0·13	—0·21	+2·30	—0·04	+0·24	—2·08	—5·59	—5·90	—5·36	—0·54	—0·18	+0·25	—16·98
	Udaipur	+0·25	—0·02	+0·55	—0·11	+1·27	—0·18	—1·45	—1·80	—4·83	—0·28	—0·07	—0·08	—6·75
	Partabgarh	—0·13	+0·58	+0·63	—0·03	+0·05	—4·00	—7·42	—6·48	—0·59	—0·64	—0·25	—0·26	—18·54
	Kherwara	+0·05	+0·04	+1·31	—0·02	+1·80	—3·06	—4·42	—4·01	—3·11	+0·04	—0·15	—0·11	—11·64
	Banswara	—0·26	+0·22	+1·31	—0·01	+1·71	—3·59	—2·25	—10·10	—5·23	—0·67	—0·22	+0·01	—19·08
	Neemuch (Obsy.)	+0·05	+0·07	+0·65	—0·13	+0·08	+0·13	—2·94	—3·95	—4·08	—0·64	—0·10	—0·23	—11·09
	Sirdarpore	—0·16	+1·06	+0·65	—0·02	+0·27	+0·54	—0·41	—4·63	+7·85	—0·99	—0·20	+0·25	+4·21
	Agar	—0·25	+0·25	+0·87	—0·06	—0·05	—3·11	—0·48	—6·55	—5·26	—0·61	—0·17	—0·05	—15·47
	Rutlam	—0·10	+0·22	+0·51	—0·03	—0·28	+0·06	—3·56	—7·85	—5·30	—0·87	—0·24	—0·09	—17·53
	Indore	—0·24	+0·89	+0·02	—0·17	—0·31	—2·58	—3·56	—6·33	—1·48	—1·09	—0·24	—0·10	—15·19
	Bhopal (Sehore)	—0·45	+0·51	+1·16	—0·05	—0·11	—1·79	—8·58	—5·63	—0·18	—0·65	—0·38	+0·37	—15·78
	Goona	—0·27	—0·05	+1·17	—0·12	+0·05	—0·74	+25·52	—2·57	—0·95	—0·43	—0·18	—0·32	+21·11
	Nowgong	—0·42	—0·38	+2·65	—0·10	—0·18	—0·49	+17·03	+1·18	—5·26	—0·57	+0·40	+0·28	+14·14
	Sutna	—0·48	—0·54	+1·07	—0·09	—0·04	—2·39	+2·73	+6·64	+3·26	—0·08	—0·02	+1·05	+11·11
	Nagode	—0·53	—0·35	+0·76	—0·14	+0·44	—4·10	+1·25	+1·66	—0·94	—0·15	—0·05	+0·74	—1·41
	Maihar	—0·51	—0·29	+1·73	—0·11	—0·02	—3·44	+0·13	—3·45	—1·83	+0·02	—0·22	+0·64	—7·35
	Rewah	—0·52	—0·47	+1·13	—0·24	—0·36	—6·51	+6·47	+4·75	—5·11	—0·77	—0·14	+0·65	—1·12

TABLE XXVI.—*Departure of the monthly and total rainfall (in inches) in 1904, from the averages of past years*—contd.

Province.	Station.	January	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
Central India—*concld.*	Ramnagar	−0·31	−0·15	+1·90	−0·05	−0·17	−6·61	+4·27	−3·61	−2·21	+0·41	−0·09	+1·22	− 5·40
	Sihawal (Bardi)	−0·92	−0·23	+0·58	−0·08	+0·45	−3·42	−0·24	+3·64	−4·84	+2·48	−0·32	+0·01	− 2·89
	Tyonthar	−0·77	−0·48	−0·01	−0·08	+0·62	−2·94	+5·56	+5·93	−4·26	+0·89	+0·64	+0·38	+ 5·48
	Sohagpur	−1·36	−0·23	+2·26	−0·39	+0·57	−4·01	+2·98	+1·45	−5·36	+3·46	−0·65	+0·02	− 1·26
United Provinces	Chakrata	+2·27	−2·59	+4·10	−0·55	+0·72	−3·23	+2·49	+9·55	−2·08	+0·01	+1·05	+0·62	+12·36
	Mussooree	+0·31	−2·77	+2·39	−1·26	+0·52	−8·22	+1·13	+8·69	−5·01	+0·05	+0·74	+1·09	− 2·34
	Srinagar	−0·13	−2·66	+0·93	−0·77	−1·58	−0·45	+0·13	−3·51	+2·00	−0·45	+0·20	+0·45	− 5·84
	Pauri	−0·19	−2·74	+1·59	−1·12	−0·74	−0·84	+0·77	−1·54	+1·85	−0·49	+0·34	+0·51	− 2·60
	Ranikhet	−0·89	−2·22	+0·66	−0·72	+0·52	−0·14	+2·22	+0·46	+1·11	−0·96	+1·49	+0·49	+ [illegible]
	Almora	−0·88	−1·74	+1·18	−0·69	−0·03	−1·10	+1·60	+6·07	+2·84	−1·04	+0·76	+0·24	+ 7·21
	Pithoragarh	−0·62	−2·45	+0·62	−1·05	−0·35	+3·03	−1·98	−0·89	−2·73	−1·34	+1·05	+0·35	− 6·36
	Naini Tal	−0·30	−2·99	+0·74	−1·22	+1·48	−5·61	−2·57	−0·05	+4·08	−1·59	+3·52	+1·03	− 3·48
	Dehra Dun	−0·71	−1·98	+2·28	−0·45	+0·58	−5·36	+9·09	+5·92	−2·94	−0·30	+0·71	+1·34	+ 8·18
	Saharanpur	−0·48	−1·34	+3·01	−0·36	+1·21	−0·23	−5·51	+1·84	−1·78	−0·15	+0·48	+1·71	− 1·60
	Roorkee	−1·03	−1·48	+2·86	−0·36	+0·60	−1·12	−0·15	−6·57	−0·22	−0·45	+0·65	+1·77	− 5·50
	Muzaffarnagar	−0·90	−0·91	+2·06	−0·33	+0·22	−1·96	−0·11	−0·77	+1·78	−0·24	+0·23	+1·18	+ 0·25
	Bijnor	−0·74	−1·13	+1·65	−0·46	+1·01	−1·08	+2·60	+2·61	+3·75	−0·45	+0·45	+0·32	+ 8·53
	Meerut	−0·79	−0·83	+1·18	−0·26	+1·28	−2·11	−2·19	+3·13	+3·20	−0·40	+0·41	+0·27	+ 2·89
	Moradabad	−0·68	−1·12	+1·54	−0·30	+2·45	−0·79	+9·14	+0·11	+2·70	−0·81	+0·34	+0·73	+13·31
	Rudarpur	−1·03	−1·20	−0·22	−0·09	+1·10	−0·98	−3·68	+2·50	−2·94	−0·78	+2·67	+0·67	− 3·98
	Pilibhit	−0·85	−1·18	−0·31	−0·26	+1·41	+0·52	−1·82	−4·31	−2·52	−1·08	+2·20	+0·57	− 7·63
	Bulandshahr	−0·62	−0·90	+0·66	−0·27	+0·85	−1·90	−1·39	+2·23	+1·34	−0·42	+0·23	+1·03	+ 0·84
	Bareilly	−0·81	−0·79	−0·18	−0·14	+0·50	−2·22	−3·30	−2·16	−3·85	−1·16	+3·28	+1·05	− 9·78
	Budaun	−0·71	−0·59	−0·24	−0·16	+0·46	−0·50	+0·55	+8·61	−3·66	−0·84	+0·34	+0·74	+ 4·00
	Shajahanpur	−0·75	−0·74	−0·46	−0·16	−0·70	−3·60	+2·42	+0·59	−4·71	−1·13	+0·01	+1·47	− 7·76
	Aligarh	−0·64	−0·49	+0·42	−0·17	+0·88	−1·11	−3·27	+3·80	−3·63	−0·44	+1·33	+0·67	− 2·65
	Muttra	−0·48	−0·35	+0·62	−0·09	+0·53	−1·15	−0·60	+5·69	−2·49	−0·35	+0·49	+0·58	+ 2·40
	Agra	−0·19	−0·33	+0·14	−0·16	−0·33	+0·19	+2·87	+8·14	−3·57	−0·39	+0·31	+1·11	+ 7·79
	Etah	−0·24	−0·35	−0·24	−0·09	+0·10	−1·84	+4·41	+1·61	−3·85	−0·56	+0·07	+0·23	− 0·75
	Mainpuri	−0·65	−0·31	−0·06	−0·13	−0·28	−2·41	−0·83	+3·03	−4·59	−0·78	+0·21	+1·99	− 4·81
	Farrukhabad	−0·53	−0·37	+0·16	−0·09	+0·07	−3·22	+0·23	+2·95	−2·24	−0·96	+0·15	+1·62	− 2·23
	Etawah	−0·44	+0·12	+0·22	−0·12	+0·45	−0·06	+4·33	+7·35	−3·88	−0·87	+0·64	+0·33	+ 8·07
	Cawnpore	−0·67	−0·44	−0·07	−0·04	−0·11	−0·13	+8·26	+4·71	+7·26	−1·18	+0·84	+0·64	+19·07
	Fatehpur	−0·53	−0·40	+0·19	−0·14	+0·28	+2·48	+4·86	+5·60	−1·70	−0·94	+0·17	+0·87	+10·74

TABLE XXVI.—*Departure of the monthly and total rainfall (in inches) in 1904, from the averages of past years*—contd.

Province.	Station.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
United Provinces—*concld.*	Jalaun (Orai)	−0·27	−0·01	+0·02	−0·07	−0·09	−1·03	+6·86	+7·23	−3·97	−0·73	+0·33	+0·14	+ 8·41
	Hamirpur	−0·28	−0·37	+0·23	−0·09	+0·55	−3·93	+2·15	+4·89	−1·14	−1·05	+0·45	+0·50	+ 1·91
	Banda	−0·41	+0·01	+0·70	−0·10	−0·33	−4·23	+5·35	+3·22	−1·58	−1·28	+0·04	+0·90	+ 2·29
	Allahabad	−0·52	−0·48	−0·07	−0·12	−0·23	−4·09	+0·06	+6·73	−3·76	+3·24	+0·30	+0·73	+ 1·79
	Basti	−0·68	−0·43	−0·28	−0·24	+3·56	+2·83	+3·67	−0·42	−6·55	−1·18	+0·83	+0·93	+ 2·04
	Gorakhpur	−0·56	−0·55	−0·40	−0·36	+3.88	+1·93	+4·69	+4·47	−7·07	+0·32	+0·28	+0·62	+ 7·25
	Azamgarh	−0·34	−0·04	−0·09	−0·15	−0·07	+0·07	+1·86	+0·07	−3·52	+1·83	+1·12	+1·12	+ 1·86
	Jaunpur	−0·42	−0·43	+0·04	−0·10	−0·60	−2·00	+2·08	−3·32	−4·57	+0·54	+0·56	+1·64	− 6·58
	Benares	+0·08	−0·51	−0·05	−0·14	−0·43	−2·07	+3·02	−1·70	−2·89	+2·19	+0·32	+0·54	− 1·64
	Mirzapur	−0·59	−0·64	+0·23	−0·14	−0·41	−3·17	−0·76	−4·91	−4·62	+0·65	+0·46	+0·82	−13·08
	Ballia	−0·22	−0·59	−0·22	−0·26	+0·38	+0·51	+5·30	−3·57	−6·29	−0·11	−0·15	+0·18	− 5·04
	Dudhi	−0·45	+0·43	+1·10	−0·21	+1·01	−2·96	+4·69	+4·42	−5·06	−0·76	−0·04	−0·30	+ 1·87
	Robertsganj	−0·64	−0·58	+0·82	−0·21	+1·36	−2·44	−2·00	+9·16	−5·98	−0·37	−0·35	−0·20	− 1·43
	Jhansi	−0·03	−0·28	+1·34	−0·10	+0·47	−1·41	+9·62	+3·08	−4·63	−0·63	0	+0·75	+ 8·18
	Lalitpur	−0·52	+0·10	+1·74	−0·12	+0·97	+1·00	+20·31	−7·71	−4·26	−0·50	−0·11	−0·18	+10·72
Oudh.	Kheri	−0·99	−0·77	+1·73	+0·09	+0·85	+5·22	−3·21	−7·12	−5·45	−1·33	+2·01	+0·88	− 8·09
	Sitapur	−0·85	−0·52	−0·28	−0·27	−0·47	−1·07	−1·80	−0·32	−4·41	−0·96	+0·17	+1·32	− 9·46
	Bahraich	−0·17	−0·76	−0·42	−0·35	−0·06	+8·61	−3·03	+1·46	−3·23	−0·88	+0·58	+0·63	+ 2·38
	Gonda	−0·69	−0·61	−0·22	−0·24	+0·44	+4·55	+3·06	−2·71	−3·98	−0·95	+0·43	+0·84	− 0·08
	Hardoi	−0·68	−0·37	−0·58	−0·17	−0·31	+2·08	+5·36	−1·23	−1·28	−0·98	+0·11	+2·00	+ 3·95
	Nawabganj (Bara Banki.)	−0·76	−0·37	−0·16	−0·09	−0·31	+1·03	−3·33	−1·64	−4·67	+0·46	+1·45	+0·37	− 8·02
	Lucknow	−0·70	−0·45	−0·08	−0·05	−0·39	+2·66	+2·84	−0·89	+0·15	−0·67	+0·65	+0·32	+18·75
	Unao	−0·80	−0·30	+0·43	−0·10	−0·01	+0·77	+7·50	+6·20	+4·58	−1·32	+1·36	+0·44	+18·75
	Fyzabad	−0·74	−0·42	−0·12	−0·17	−0·54	−0·88	−3·22	−6·89	−4·78	−1·49	+0·12	+0·87	−18·26
	Sultanpur	−0·17	−0·41	+0·13	−0·21	−0·61	−4·68	−3·09	−0·47	−4·45	−0·31	+0·18	+0·71	−13·38
	Rae Bareli	−0·02	−0·41	−0·12	−0·09	−0·18	−1·85	−4·01	+8·81	−0·27	−0·77	+0·42	+1·49	+ 3·00
	Partabgarh	−0·59	−0·42	−0·22	−0·04	−0·17	−3·59	−0·17	+4·28	−5·81	+1·27	+0·25	+0·95	− 4·26
Bengal.	Motihari	−0·35	−0·37	−0·49	−0·67	+2·32	−2·29	+1·68	+5·19	−9·22	+1·87	+2·05	+0·51	+ 0·23
	Darbhanga	−0·62	−0·45	−0·37	−0·69	+3·24	−5·96	−3·26	+7·14	−5·44	+3·33	+0·45	−0·11	− 2·74
	Siwan	−0·55	−0·33	−0·26	−0·27	+1·46	+2·98	+1·27	+5·09	−6·66	+2·42	+1·21	+0·65	+ 7·01
	Buxar	+0·72	−0·49	−0·19	−0·13	−0·57	+1·69	+5·28	+0·72	−4·62	+1·40	−0·36	+0·24	+ 3·69
	Chapra	−0·23	−0·19	−0·20	−0·32	+0·83	+0·50	+5·05	−2·63	−5·32	+5·36	−0·16	−0·07	+ 2·62
	Arrah	+0·18	−0·61	−0·44	−0·47	+0·39	+4·94	+3·42	+2·67	−4·91	+1·66	−0·20	−0·10	+ 6·53
	Patna (Bankipore).	−0·35	−0·01	−0·29	−0·30	+1·13	+2·06	+8·12	+15·35	−5·56	+0·62	−0·16	−0·14	+20·47

TABLE XXVI.—*Departure of the monthly and total rainfall (in inches) in 1904, from the averages of past years*—contd.

PROVINCE.	STATION.	January	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	TOTAL.
BENGAL—*contd.*	Muzaffarpur .	−0·72	−0·47	−0·43	−0·47	+4·71	+1·53	+1·36	+10·45	−7·32	+3·51	+0·63	−0·07	+12·71
	Barh . .	−0·27	−0·58	−0·34	−0·17	+1·89	−3·63	+0·66	+0·85	−4·86	+0·06	−0·18	−0·09	−6·66
	Sasaram .	−0·54	−0·58	−0·13	−0·15	+0·38	+1·08	+6·70	+1·91	−2·48	−0·73	−0·20	−0·15	+5·11
	Gaya . .	−0·20	−0·55	−0·10	−0·27	+3·52	+9·70	+6·24	+4·78	−4·80	−0·60	−0·27	−0·17	+17·28
	Jamui . .	−0·44	−0·52	−0·08	+0·02	+1·21	−0·27	+4·14	+1·97	+0·18	+0·03	+0·20	−0·07	+6·37
	Madhipura .	−0·58	−0·66	−0·42	−0·84	+1·90	−1·81	+4·04	−2·62	−8·32	+0·89	+0·08	−0·05	−8·39
	Monghyr .	−0·17	−0·67	−0·44	−0·50	+2·22	−2·71	+3·31	+5·48	−3·55	−1·44	−0·04	−0·07	+1·42
	Bhagalpur .	−0·25	−0·39	−0·19	−0·86	+2·12	+0·38	−2·78	−0·02	−4·75	+0·55	−0·08	−0·07	−6·34
	Godda . .	+0·03	−0·21	−0·37	+0·25	+4·64	+2·47	+2·47	+1·79	−4·83	−0·60	+0·21	−0·08	+5·77
	Palamau .	−0·68	−0·15	+1·09	−0·27	+2·98	−1·86	+0·20	+7·75	−4·79	−0·60	−0·23	−0·25	+3·19
	Hazaribagh .	−0·48	−0·37	+1·67	−0·36	+1·35	+3·54	+5·74	+3·97	−3·79	−1·08	−0·18	−0·21	+9·80
	Ranchi .	−0·69	−0·60	+1·87	+0·08	+3·37	+2·95	+15·02	−1·93	−5·48	−2·18	−0·31	−0·03	+12·07
	Lohardaga .	−0·81	−0·37	+3·15	−0·63	+1·00	+10·44	+9·30	+6·32	−5·62	−0·68	−0·38	−0·40	+21·32
	Naya Dumka	−0·59	−0·59	−0·39	−0·91	+2·60	+6·89	+1·25	−2·96	−6·31	−3·74	−0·31	−0·16	−5·22
	Gobindpur .	−0·59	−0·76	+0·71	−0·25	+0·67	+3·59	+11·43	−6·04	−3·88	−2·55	−0·22	−0·16	+1·95
	Purulia . .	−0·44	−0·34	+0·22	−0·62	+2·38	+4·29	+5·89	−3·06	−3·54	−3·03	−0·13	−0·18	+1·44
	Sirguja .	−0·98	−1·19	+0·25	−0·30	+4·53	+7·53	−0·91	+19·48	−7·78	+9·20	−0·55	−0·42	+28·86
	Jushpore .	−0·78	+0·09	+1·30	−0·69	+3·26	+5·73	+2·85	+2·62	−8·17	−1·20	−0·11	−0·35	+4·55
	Gangpur .	−0·43	+0·07	+0·73	−0·26	+3·28	+17·98	−3·55	+3·42	−4·73	−2·10	−0·69	−0·40	+13·32
	Chaibassa .	−0·51	+0·77	+0·55	−0·03	+3·03	+6·15	+4·49	−2·28	−0·81	−1·80	−0·40	−0·26	+8·90
	Barreepudda .	−0·16	−0·28	+0·57	−1·14	+2·72	+2·20	+6·81	+4·90	+1·25	−1·90	−0·81	−0·14	+14·02
	Keonjhar .	−0·18	+0·37	+0·39	−1·18	−0·09	+6·80	+3·76	+5·41	+0·45	−0·12	−0·83	−0·28	+14·50
	Jellasore .	−0·44	−0·55	+0·05	+0·75	+1·17	+4·71	−6·65	+5·21	−1·65	−3·75	−0·61	−0·02	−1·78
	Balasore .	−0·54	−0·31	−0·27	−2·08	−1·85	+0·09	−1·81	−0·90	−3·14	−1·48	−0·44	+0·06	−12·67
	Bhadrak .	−0·29	−1·27	+0·84	−2·16	−0·40	+3·80	−4·30	−3·59	−1·23	−3·24	−1·17	−0·08	−13·09
	Talcher . .	−0·18	−0·47	−0·36	−1·03	−0·76	−0·25	−3·49	+1·16	+0·30	−1·39	−1·06	−0·16	−7·69
	Narsinghpur .	−0·46	+0·94	+0·45	−0·24	+2·58	+4·88	−2·98	−0·48	+1·22	+2·52	−0·25	−0·30	+7·88
	Angul . .	−0·18	−0·44	−0·21	−1·18	−0·93	−0·65	−3·10	+1·02	+0·62	−2·18	−1·22	−0·32	−8·77
	Dhenkanal .	−0·24	+0·28	+0·10	−0·63	+1·43	+2·25	−4·01	+0·28	+0·11	−0·41	−1·15	−0·28	−2·27
	Bispara . .	−0·27	+1·11	+0·82	+0·22	−0·37	+13·84	+1·86	+3·35	−4·12	−1·53	−0·96	−0·19	+13·76
	Kunjabangar	−0·18	+1·10	+0·10	−1·45	−1·39	+5·50	+2·72	+4·31	−0·15	−1·69	−1·11	−0·05	+7·71
	Banki (Charchika).	−0·20	+0·21	−0·86	−0·76	+1·58	+0·96	−0·56	+1·49	−0·41	−0·45	−1·42	−0·22	−0·64
	Cuttack .	−0·33	−0·28	−1·11	−1·38	+1·83	+0·23	−6·96	+1·31	−0·74	−2·59	−1·36	−0·19	−11·57
	Baramba .	−0·25	+0·51	−0·75	−1·08	+1·96	−3·93	−0·47	−0·96	+0·13	+1·47	−1·24	+0·05	−4·56

TABLE XXVI.—*Departure of the monthly and total rainfall (in inches) in 1904, from the averages of the past years*—contd.

PROVINCE.	STATION.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November	December.	TOTAL.
BENGAL—*contd.*	False Point	—0·49	—0·42	—0·81	—1·73	— 1·34	+ 4·90	— 4·80	— 5·24	— 6·21	— 4·41	—2·74	—0·03	—23·32
	Puri	—0·25	—0·96	—0·50	—0·78	— 0·85	— 0·69	— 4·09	+ 0·77	— 1·50	— 0·40	—2·68	—0·30	—11·43
	Darjeeling	—0·04	+0·52	—1·85	—0·34	+ 4·80	— 5·19	— 3·48	— 2·96	— 8·00	+ 3·05	—0·10	—0·20	—13·79
	Mongpoo	+0·07	—0·44	—1·92	+1·11	+ 0·10	+ 3·20	— 3·76	+ 5·90	— 2·33	+ 5·87	+0·20	—0·18	+ 7·82
	Pedong	+0·20	—0·44	—2·17	+1·96	— 1·80	+ 3·34	+ 0·68	— 3·29	— 6·21	+ 4·51	+0·24	—0·46	— 3·44
	Buxa	—1·04	+1·96	—2·69	+4·36	+ 4·71	—23·55	—19·30	—12·03	—11·84	— 2·05	+0·06	—0·60	—62·01
	Jalpaiguri	—0·48	+2·17	—1·47	+2·72	+ 0·84	— 9·10	— 0·94	— 0·33	—10·38	+ 5·55	—0·01	—0·06	—11·40
	Cooch Behar	—0·39	+1·27	—1·66	+5·94	+ 7·70	—18·30	— 2·21	+ 5·73	— 3·49	+10·72	—0·02	—0·08	+ 5·21
	Kishanganj	—0·63	—0·47	—0·69	—0·75	+ 1·66	— 8·37	— 5·29	— 0·01	— 9·53	— 0·25	—0·05	+0·23	—24·15
	Purnea	—0·37	—0·56	—0·40	—0·94	+ 1·25	+ 6·62	+ 0·65	— 4·17	— 9·18	— 0·03	+0·30	—0·07	— 6·90
	Rangpore	—0·47	+3·51	—1·16	+0·99	+14·17	—13·29	— 5·39	+ 2·16	—11·01	+ 0·35	—0·24	—0·08	—10·46
	Dinajpore	—0·36	—0·41	—0·75	+1·39	+ 3·81	— 9·89	— 0·25	— 2·31	— 9·33	— 1·33	+0·07	—0·08	—19·44
	Malda	—0·43	—0·16	—0·82	—1·35	+ 3·35	— 5·15	— 2·72	— 0·50	— 6·77	— 0·20	+0·34	—0·25	—14·66
	Bogra	—0·27	—0·33	—0·98	—1·72	+ 3·38	— 7·32	+ 0·75	— 1·30	— 4·42	— 3·21	—0·82	—0·09	—16·33
	Rampur Boalia.	—0·34	—0·62	—0·94	—0·80	+10·01	— 4·92	+ 6·04	— 7·38	— 1·89	— 3·90	—0·03	—0·06	— 4·83
	Pubna	—0·38	—1·07	—1·24	+1·00	+ 7·52	+ 0·09	+ 2·29	— 2·72	— 3·77	— 2·52	—0·28	—0·07	— 1·15
	Suri	—0·44	—0·43	+0·01	—0·64	+ 3·56	+ 1·35	+ 2·46	+ 6·80	— 0·40	— 2·45	—0·21	—0·12	+ 9·49
	Bankura	—0·33	—0·22	+0·17	—1·33	+ 2·47	+ 0·42	+ 5·58	— 0·33	— 4·80	— 2·31	—0·51	—0·13	— 1·32
	Burdwan	—0·38	—0·25	+0·45	—2·00	+ 1·19	— 1·38	+ 1·81	— 2·66	— 4·97	— 3·88	—0·63	—0·13	—12·83
	Hooghly	—0·38	—0·59	+0·23	—2·46	+ 2·92	+ 2·64	+ 3·86	— 2·50	— 4·59	— 3·06	—0·66	—0·19	— 4·78
	Howrah	—0·41	+1·22	+1·11	—1·40	+ 3·74	— 2·98	+ 4·93	— 4·63	— 4·76	— 2·27	—0·39	—0·18	— 6·02
	Midnapore	—0·55	—0·35	—0·14	—0·46	— 0·30	+ 0·88	+ 8·34	— 1·90	— 3·05	— 3·98	—0·51	—0·21	— 2·23
	Tamluk	—0·26	—0·66	+1·89	—0·61	— 0·77	+ 0·87	+ 9·49	— 4·19	— 4·72	— 1·75	—0·45	—0·18	— 0·74
	Berhampore	—0·47	+0·27	—0·54	—0·11	+ 9·70	— 0·83	+ 3·10	— 0·89	— 3·40	— 4·11	+0·10	—0·10	+ 2·72
	Krishnagar	—0·43	—0·57	—0·17	—1·83	— 1·35	— 3·27	+ 0·95	— 4·02	— 0·59	— 3·98	—0·50	—0·10	—15·86
	Faridpur	—0·48	—0·19	—1·89	+1·65	+ 0·18	— 5·87	+ 5·00	— 3·90	— 3·54	— 1·83	—0·11	—0·03	—11·01
	Jessore	—0·48	+0·56	—0·18	+4·27	+ 6·68	+ 0·61	+ 2·43	— 1·71	— 2·40	— 3·18	—0·68	—0·15	+ 5·77
	Basirhat	—0·35	—0·08	—0·40	—2·16	+ 3·97	+ 0·96	+ 3·45	— 6·39	— 6·13	— 2·95	—0·03	+0·14	—10·25
	Khulna	—0·45	+0·05	—0·79	+1·43	+ 8·44	— 4·57	+ 6·32	— 6·87	— 5·38	— 2·32	+0·40	—0·20	— 3·94
	Barisal	—0·54	—0·22	—0·60	+6·33	+ 0·90	— 0·62	— 1·54	— 4·98	— 4·31	— 3·59	+3·80	—0·15	— 5·5[illegible]
	Alipore (Obsy.).	—0·29	+1·56	+1·48	—1·21	+ 4·24	— 0·79	+ 8·31	— 2·58	— 4·68	— 2·89	—0·47	—0·31	+ 2·37
	Saugor Island	—0·28	—0·10	—0·35	+0·18	— 1·80	+ 8·15	— 2·81	— 0·47	— 3·88	— 1·52	—0·65	—0·17	— 3·70
	Mymensingh	+0·25	+0·84	—2·20	+ 3·15	+10·45	— 3·99	— 2·44	—9·71	— 6·67	—2·78	—0·40	+0·07	—13·43
	Kishorganj	+1·70	+0·58	—1·82	+ 0·86	+12·95	— 5·17	+ 1·40	+1·24	— 2·47	—0·35	—0·03	+0·33	+ 9·22

TABLE XXVI.—*Departure of the monthly and total rainfall (in inches) in 1904, from the averages of past years*—contd.

Province.	Station.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
Bengal—*contd.*	Atia (Tangail)	+0·28	—0·82	—1·36	+ 2·53	+ 6·54	— 6·41	+ 0·36	—5·35	— 0·74	—2·58	—0·15	+0·18	— 7·52
	Dacca	—0·36	+0·21	—2·20	— 1·37	— 0·32	— 7·56	— 2·76	—3·30	— 1·00	+1·22	+0·55	—0·11	—17·00
	Comilla	—0·54	+2·73	—2·15	+ 6·16	+ 1·53	— 8·48	— 0·78	+0·09	— 4·11	+0·16	+1·43	—0·22	— 4·18
	Agartalla	—0·57	—0·88	—3·30	+ 9·08	+ 0·56	— 1·50	— 5·65	+0·44	— 0·70	—1·10	+0·17	—0·35	— 3·80
	Noakhali	—0·14	—0·33	—1·42	+ 6·26	+ 8·09	— 2·57	+ 6·84	—1·82	— 0·50	—3·89	+3·69	—0·29	+13·62
	Demagiri	—0·41	—0·52	—2·56	+ 8·12	— 2·07	— 0·39	+ 5·72	—3·92	+ 3·72	—0·60	+2·27	—0·54	+ 8·82
	Rangamatia Hills.	—0·43	—0·10	—1·78	+ 8·28	— 1·03	+ 5·30	+ 1·29	—0·49	— 0·47	—1·23	+1·05	—0·32	+10·07
	Chittagong	—0·41	+0·95	+0·16	+11·65	+ 2·54	— 7·92	+ 0·37	—7·75	— 4·26	—5·12	+0·89	—0·48	— 9·38
	Cox's Bazar	—0·48	+1·21	—0·83	+ 5·24	— 1·32	+ 2·87	+ 1·72	—4·79	— 4·00	—8·04	+3·43	—0·21	— 5·20
Assam.	Sylhet	+0·07	+2·71	—5·11	+23·13	+ 2·67	—17·72	+19·91	—4·51	— 9·35	—1·59	+0·13	—0·18	+10·16
	Silchar	—0·11	+2·06	—1·31	+17·16	— 2·11	+ 5·71	+18·65	+4·23	+ 5·23	—2·01	+4·59	—0·46	+51·63
	Cherra Poonjee	—0·70	+2·53	—6·44	+56·11	— 9·19	—46·97	—38·55	—5·03	—34·72	—6·13	+2·78	—0·02	—86·33
	Tura	—0·55	+1·22	—1·90	+14·04	+ 8·66	—10·54	— 5·61	—2·73	—14·11	—0·01	—0·07	—0·11	—11·71
	Shillong	—0·49	+1·50	—1·85	+ 3·81	— 1·55	— 6·51	+ 0·45	+1·00	— 6·91	— 3·67	+0·47	—0·05	—13·80
	Dhubri	—0·39	+3·34	—1·83	+ 4·43	+ 6·68	—14·94	— 7·49	—3·32	— 8·20	+2·22	—0·04	—0·14	—19·68
	Goalpara	—0·43	+1·72	—2·22	+13·19	+ 5·45	—11·73	— 0·39	+5·75	+ 1·90	+2·68	0	—0·21	+15·71
	Kulsi	—0·44	+1·10	—1·82	+ 5·00	+ 3·43	+ 0·94	+ 0·35	+2·47	— 4·16	—1·90	+0·12	—0·18	+ 4·91
	Gauhati	—0·60	+0·92	—2·08	+ 2·28	+ 2·24	+ 6·06	+ 1·43	—1·66	— 3·32	+0·01	+0·03	—0·24	+ 5·07
	Nowgong	—0·62	—0·08	—1·58	+ 3·69	+ 2·73	+11·43	+ 3·53	+8·60	— 6·11	+0·17	+1·27	—0·28	+22·65
	Tezpur	—0·27	+0·68	—1·40	+ 5·40	+ 7·86	+ 1·50	— 1·96	+5·33	— 4·40	—0·18	+1·19	—0·40	+13·35
	Chardner	—0·52	+0·19	—1·14	+ 6·80	+ 8·80	+10·92	+11·65	+7·53	— 7·27	+2·07	+0·38	—0·83	+38·58
	Sibsagar	—0·19	—0·60	—0·85	+14·95	— 0·49	— 7·36	— 3·52	—0·90	— 2·02	—1·15	+1·47	—0·52	— 1·18
	Dibrugarh	+0·67	—0·65	+0·31	+ 6·16	— 4·18	—10·94	— 5·24	+7·14	— 4·21	—4·59	+0·71	—0·77	—15·59
	Kohima	—0·56	+0·28	—1·45	— 1·29	— 2·02	+ 3·00	+ 3·45	—0·95	— 1·39	+0·31	+2·78	—0·33	+ 1·83
Central Provinces.	Saugor	—0·66	+0·04	+1·97	— 0·16	— 0·08	— 3·09	+ 5·57	—5·01	— 5·14	—1·15	—0·33	+0·03	— 8·01
	Damoh	—0·44	+0·06	+1·30	— 0·20	— 0·30	— 5·67	+ 1·80	—8·15	— 4·26	—0·50	—0·31	+0·14	—16·53
	Jubbulpore	—0·55	+0·17	+0·87	— 0·22	— 0·36	— 4·60	— 3·71	—2·87	— 3·38	+1·09	—0·35	+0·28	—13·63
	Narsinghpur	—0·43	+1·60	+2·28	— 0·24	+ 0·26	— 3·81	+ 3·01	—4·77	— 0·26	—0·95	—0·25	+0·01	— 3·55
	Hoshangabad	—0·13	+1·77	+1·17	— 0·07	— 0·20	— 3·93	— 3·78	—6·86	— 1·46	—1·29	—0·39	—0·14	— 5·31
	Khandwa	—0·30	+1·46	—0·02	— 0·12	+ 0·42	— 2·20	— 6·44	—6·40	+ 1·49	—1·00	—0·15	—0·32	—15·60
	Badnur (Betul)	—0·46	—0·20	—0·05	— 0·29	— 0·44	— 4·41	— 5·96	—3·70	— 1·59	—0·72	—0·39	+0·60	—17·61
	Pachmarhi	—0·65	+2·32	+0·53	— 0·25	— 0·09	— 6·39	— 4·39	—7·05	+ 3·36	—1·19	—0·37	+0·52	—13·65
	Chhindwara	—0·69	+0·41	+0·39	— 0·34	— 0·35	— 5·14	— 5·00	—4·06	+ 0·16	—0·43	—0·41	+0·44	—15·02
	Seoni	—0·66	—0·15	+1·47	— 0·55	— 0·73	— 1·96	— 8·31	—0·37	— 3·19	—0·10	—0·43	—0·31	—15·29

TABLE XXVI.—*Departure of the monthly and total rainfall (in inches) in 1904, from the averages of past years*—contd.

Province.	Station.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
Central Provinces—*concld.*	Balaghat	—0·54	—0·54	+2·21	—0·42	—0·70	—4·32	—10·71	—3·70	—3·00	+0·80	—0·49	—0·22	—21.63
	Mandla	—0·63	0	+1·47	—0·46	+0·32	—1·26	—5·80	—1·44	—3·99	+0·86	—0·28	—0·11	—11·32
	Bilashpur	—0·50	—0·27	+0·81	—0·74	+3·10	+2·20	—6·01	+4·26	—4·98	+3·21	—0·42	—0·27	+ 0·39
	Sarangarh	—0·21	+0·13	+1·04	—0·35	+2·17	+3·96	—6·69	—1·04	—6·51	—2·54	—0·49	—0·13	—10·66
	Raigarh	—0·22	+0·33	+0·68	—0·30	+1·84	+11·48	—1·22	—7·29	—5·63	—2·09	—0·65	—0·21	— 3·28
	Sambalpur	—0·53	+0·33	—0·64	—0·51	—0·34	+7·42	—0·57	—1·53	—2·82	—1·67	—0·42	—0·25	— 1·53
	Raipur	—0·30	—0·27	+0·21	—0·59	+2·83	+5·70	—7·70	+1·72	—4·58	+1·09	—0·62	—0·20	— 2·71
	Dhamtari	—0·19	+0·19	—0·06	—0·36	+2·12	+8·91	—5·97	+5·30	—4·04	+1·44	—0·36	—0·11	+ 6·87
	Bhandara	—0·70	—0·58	+0·91	—0·53	—0·62	+0·90	—8·71	—2·71	—2·28	—0·35	—0·69	—0·35	—15·71
	Nagpur	—0·51	—0·23	+0·54	—0·46	—0·17	+0·08	—8·34	—0·57	—1·37	—0·22	—0·51	—0·39	—12·15
	Arvi	—0·54	—0·17	+0·48	—0·17	—0·43	+0·09	—4·31	—2·25	—5·20	+1·30	—0·35	—0·36	—11·91
	Wardha	—0·27	—0·04	+0·28	—0·35	—0·47	+4·08	—7·98	—6·78	—2·21	—0·03	—0·57	—0·34	—14·68
	Brahmapuri	—0·39	—0·35	—0·36	—0·44	—0·53	—5·36	—10·91	—4·89	—2·91	—0·76	—0·52	—0·37	—27·79
	Chanda	—0·25	—0·34	—0·87	—0·71	—1·10	—1·47	—8·59	—7·20	—1·64	+1·70	—0·73	—0·30	—21·50
	Sironcha	+0·45	—0·38	—0·29	—0·37	+1·47	+0·84	—4·42	—5·57	—0·77	+3·28	—0·65	—0·23	— 6·64
	Baster (Jagadalpore).	—0·08	—0·16	—0·81	—1·66	+1·52	+2·40	—2·28	+5·36	—2·85	—1·32	—0·78	—0·18	— 0·84
Berar.	Chikalda	—0·03	—0·05	+0·16	—0·26	—0·53	+0·97	—10·77	—8·37	—0·64	—1·49	—0·64	+0·36	—21·29
	Ellichpur	+0·02	+0·43	+0·52	—0·25	—0·08	+1·07	—5·37	—4·35	+1·05	—0·18	—0·56	—0·51	— 8·21
	Amraoti	—0·31	—0·14	+0·63	—0·26	—0·29	+0·50	—3·26	—4·63	—1·20	+2·37	—0·36	—0·44	— 7·39
	Akola	—0·43	—0·17	—0·36	—0·16	—0·15	—1·79	—1·91	—0·96	+1·94	—0·26	—0·44	—0·58	— 5·27
	Buldana	—0·52	—0·06	+0·04	—0·28	—0·49	—2·00	—2·79	—4·92	+8·63	+0·40	—0·48	—0·45	— 2·92
	Basim	—0·30	—0·23	—0·35	—0·28	—0·48	—2·91	—3·71	—0·56	+0·58	+1·62	—0·66	—0·37	— 7·65
	Yeotmal	—0·27	—0·18	—0·24	—0·35	—0·09	—1·83	—6·45	—4·38	—1·71	+0·52	—0·56	—0·38	—15·92
	Wun	—0·29	—0·19	—0·61	—0·38	+0·15	+0·52	—8·37	—6·75	+2·66	+1·05	—0·74	—0·29	—13·24
Bombay.	Dhulia	—0·23	+0·10	—0·04	—0·03	—0·15	—2·84	—3·44	—2·02	+7·83	—1·02	—0·62	—0·31	— 2·77
	Nasik	—0·07	+0·11	0	—0·03	—0·54	—2·40	—3·63	—3·23	—1·33	+3·25	—0·48	—0·22	— 8·57
	Igatpuri	—0·14	—0·09	—0·03	+0·25	—0·88	+3·42	—20·01	—14·43	—4·14	+2·33	—0·40	—0·18	—34·30
	Malegaon	—0·19	+0·23	—0·04	+0·02	—0·34	—1·39	—2·00	—3·49	+2·64	+1·63	—0·45	—0·34	— 3·72
	Ahmednagar	—0·27	—0·12	—0·15	—0·40	—1·11	—1·69	—1·86	—2·82	+0·57	—0·39	—0·89	—0·43	— 9·56
	Poona	—0·18	+0·02	—0·13	—0·17	—1·42	—5·04	—3·33	—3·27	—0·01	—0·39	—0·85	—0·20	—14·97
	Lonavla	—0·06	—0·04	—0·06	—0·23	—0·65	+12·33	—22·42	—15·04	+1·20	—0·55	—0·72	—0·15	—26·39
	Satara	—0·27	+0·06	—0·10	—0·85	+0·79	—4·68	—6·43	—4·49	—1·48	—0·43	—1·34	—0·41	—19·63
	Mahabaleshwar	—0·31	+0·64	—0·30	—1·22	+1·27	+22·75	—24·79	—24·67	—4·66	+0·79	—1·23	—0·32	—32·05
	Sholapur	—0·06	—0·08	—0·29	—0·63	—0·57	+0·75	—1·35	—4·21	+0·28	+1·31	—0·87	—0·30	— 6·02

TABLE XXVI.—*Departure of the monthly and total rainfall (in inches) in 1904, from the averages of past years*—contd

Province.	Station.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
Bombay—*concld.*	Kolhapur	—0·06	—0·09	—0·14	—1·29	+0·49	— 0·89	— 4·10	— 3·99	— 2·36	—2·11	—0·84	—0·19	—15·57
	Belgaum	—0·06	—0·02	—0·38	+0·66	+0·75	+ 8·59	— 5·61	— 1·37	— 1·77	—1·60	—1·33	—0·24	— 2·38
	Gokok	—0·07	—0·01	—0·04	—0·98	+1·71	— 1·35	— 0·64	— 1·50	— 1·90	+0·25	—1·02	—0·56	— 6·11
	Dharwar	—0·11	—0·03	—0·03	—0·63	+3·21	+ 1·08	— 0·60	— 1·44	— 2·81	—2·64	—1·67	—0·37	— 6·04
	Hubli	—0·09	—0·01	—0·32	—0·74	+0·90	+ 2·71	+ 0·97	— 0·87	— 1·90	—0·86	—1·17	—0·20	— 1·58
	Nargund	—0·17	—0·09	—0·28	—1·16	—0·99	— 1·32	+ 0·95	— 2·45	— 2·83	—4·87	—0·92	—0·26	—14·39
	Mundargi	—0·19	0	+0·05	—0·03	+0·69	— 1·27	— 0·99	— 1·11	— 2·03	+0·62	—0·38	—0·09	— 5·73
	Kalghatgi	—0·12	0	—0·23	—0·56	+3·89	+ 5·77	+ 2·69	+ 0·12	— 2·13	—2·24	—1·22	—0·19	+ 5·78
	Bijapore	—0·05	—0·05	+0·26	—0·69	—0·87	+ 0·25	— 1·53	— 3·02	— 0·22	—0·61	—1·29	—0·55	— 8·37
	Honavar	—0·16	—0·01	—0·10	—0·58	—2·27	+14·06	+ 1·86	— 8·34	— 0·93	—1·19	—1·15	—0·12	+ 1·07
	Karwar	—0·12	—0·01	—0·04	+0·14	—1·93	+15·26	+ 0·13	— 9·40	— 4·39	—3·80	—1·48	—0·11	— 5·75
	Goa	—0·19	0	—0·02	+0·03	—0·54	+17·40	+ 5·23	—10·48	+ 1·20	—2·31	—1·12	—0·08	+ 9·12
	Vengurla	—0·19	—0·02	—0·05	+0·21	—2·02	+ 6·39	— 3·88	—12·41	— 4·15	—0·60	—0·97	—0·15	—17·84
	Ratnagiri	—0·60	—0·02	—0·02	—0·01	—1·24	+11·67	— 2·67	—10·18	— 4·37	—0·19	—0·65	—0·06	— 8·34
	Colaba (Obsy.)	—0·12	—0·02	+0·06	—0·05	—0·55	— 6·10	—13·76	— 9·27	— 9·05	—1·20	—0·47	—0·05	—40·58
	Byculla (J. J. Hospital.)	—0·14	—0·03	—0·01	—0·03	—0·39	+ 1·07	—15·37	—11·80	—10·09	—1·40	—0·19	—0·04	—38·42
	Thana	—0·17	—0·06	+2·02	—0·01	—0·36	+23·80	—13·05	—10·75	— 7·66	—0·59	—0·28	—0·04	— 7·15
	Matheran	—0·08	—0·02	+0·24	+0·38	—0·70	+ 7·21	—32·23	—22·86	— 4·49	—0·68	—0·88	—0·04	—54·15
	Surat	—0·03	+0·43	+0·31	—0·01	—0·15	— 7·34	—10·79	— 7·08	— 2·48	—0·69	—0·15	+0·05	—27·93
	Broach	—0·04	+1·15	+0·07	0	—0·12	— 6·32	—10·17	— 6·50	— 0·94	—1·23	—0·16	—0·04	—24·30
	Kaira	—0·03	+0·50	+0·43	—0·05	—0·30	— 3·84	— 8·97	— 7·58	— 3·08	—0·50	—0·31	—0·05	—23·78
	Bariya	—0·05	+0·18	+0·76	—0·03	+0·76	— 0·93	— 6·09	— 8·30	— 1·66	—0·91	—0·17	—0·02	—16·46
	Godhra	—0·04	+0·34	+0·85	—0·02	+0·83	— 1·10	— 7·62	— 9·84	— 1·21	—0·86	—0·15	+0·02	—18·80
	Dohad	0	+0·58	—0·01	—0·03	+0·14	+ 0·58	— 2·69	— 7·60	— 2·02	—0·99	—0·16	+0·34	—11·86
	Ahmedabad	—0·02	+0·31	+0·42	—0·03	—0·46	— 3·86	— 4·28	— 7·96	— 3·13	—0·55	—0·19	—0·05	—19·80
	Idar	—0·04	+0·10	+0·98	—0·02	—0·55	— 2·24	— 8·39	— 8·15	— 4·66	—0·08	—0·22	—0·07	—23·34
	Deesa	+0·15	—0·13	—0·04	—0·05	—0·19	— 1·81	— 5·25	— 7·04	— 3·13	—0·58	—0·14	—0·05	—18·26
	Wadhwan	—0·05	+0·26	+0·63	—0·02	—0·20	— 2·90	— 2·14	— 3·85	— 0·44	—0·55	—0·42	—0·05	— 9·73
	Palanpore	—0·02	—0·14	+0·26	—0·07	—0·56	— 2·89	— 5·59	— 9·71	— 3·44	—0·45	—0·10	—0·11	—22·82
	Rajkot	—0·05	+0·36	+1·34	—0·01	—0·31	— 4·16	— 0·93	— 6·41	— 3·42	—0·62	—0·33	—0·06	—14·60
	Songad	—0·03	+0·77	+1·30	—0·02	—0·21	— 3·30	— 6·34	— 4·46	— 1·92	—1·51	—0·21	—0·03	—15·96
	Jetalsar	—0·05	+0·28	+1·08	—0·05	—0·20	— 4·49	+ 0·51	— 5·46	— 3·92	—1·46	—0·49	—0·04	—14·29
Hyderabad.	Aurangabad (Cantt.)	—0·14	—0·10	—0·07	—0·20	—0·75	— 4·31	+ 0·60	— 2·47	+ 8·28	+0·21	—0·60	—0·60	— 0·15
	Parbhani	—0·06	—0·05	—0·08	—0·35	+0·42	+ 0·89	— 1·68	— 5·88	+ 4·97	+0·58	—0·62	—0·23	— 2·09
	Nandair	—0·11	—0·23	+0·35	—0·52	—0·11	— 0·86	— 3·19	— 6·92	+ 3·47	+1·28	—0·69	—0·53	— 8·06

TABLE XXVI.—*Departure of the monthly and total rainfall (in inches) in 1904, from the averages of past years*—contd.

PROVINCE.	STATION.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	TOTAL.
HYDERABAD—*concld.*	Bheer . .	—0·10	+0·04	—0·17	—0·16	—0·28	— 4·63	— 3·83	— 3·46	+3·00	+0·90	—0·98	—0·54	—10·21
	Indur . .	—0·05	—0·13	—0·16	—0·49	—0·38	+0·64	—1·22	—4·39	+0·11	+1·06	—0·95	—0·33	— 6·29
	Karimnagar .	—0·21	—0·21	—0·07	—0·54	+0·57	+3·93	+2·69	—4·65	+0·20	+0·86	—1·05	—0·28	+ 1·24
	Kandi . .	—0·05	—0·18	+0·22	—0·79	0	+2·16	—2·03	—7·02	—0·92	+3·26	—1·04	—0·17	— 6·56
	Shumsabad .	—0·06	—0·17	+0·55	—0·84	+0·72	+1·40	+2·50	—5·76	+5·05	—1·00	—1·37	—0·15	+ 0·87
	Sundanully .	—0·02	—0·35	—0·20	—0·19	—0·05	—1·64	—0·43	—6·26	—2·65	+0·38	—1·09	—0·06	—12·56
	Dharaseo .	—0·02	—0·05	+0·42	—0·42	—0·76	—2·79	—3·96	—4·64	+4·62	—1·15	—0·80	—0·34	— 9·89
	Bidar . .	—0·01	—0·18	+0·31	—0·98	—0·46	—1·90	—5·14	—5·73	+9·51	—0·33	—1·30	—0·52	— 6·73
	Gulbarga .	—0·07	—0·20	+0·11	—0·73	—0·85	+0·64	—2·06	—4·77	+4·15	—0·52	—0·69	—0·24	— 5·23
	Bolaram .	—0·10	—0·19	—0·22	—0·18	—0·04	+0·24	—0·38	—6·14	+0·44	+0·20	—0·94	—0·31	— 7·62
	Hyderabad (Residency).	—0·09	—0·09	—0·42	—0·50	+0·68	+0·08	+0·57	—5·59	+0·84	—1·03	—1·25	—0·40	— 7·20
	Zanawada .	—0·06	—0·53	—0·15	—0·68	+0·77	—1·91	—1·00	—4·62	—1·32	—1·53	—1·03	—0·01	—12·07
	Bhongir .	—0·13	—0·08	—0·36	+0·02	+1·11	+3·40	—0·63	—4·10	—3·37	+0·78	—1·75	—0·11	— 5·22
	Hanumkonda	—0·23	—0·22	—0·46	—0·46	—0·29	+2·56	—1·06	—5·78	—2·27	—1·02	—1·17	—0·26	—10·66
	Sirpur Tandur	—0·04	—0·41	+0·25	—0·32	—0·46	—4·80	—9·89	—7·22	+0·96	+0·21	—0·93	—0·53	—23·18
	Palmoor .	+0·01	—0·10	—0·41	—0·54	—1·07	+1·82	—0·98	—4·67	+3·45	+2·57	—0·75	—0·24	— 0·91
	Raichur .	+0·06	—0·07	—0·30	—0·65	—0·71	+1·76	—0·93	—2·14	—2·12	—1·16	—0·96	—0·10	— 7·32
MADRAS.	Rambha .	—0·18	—0·65	—0·93	—0·79	+2·47	+7·71	+0·57	—0·23	+0·64	—0·46	—2·21	—0·45	+ 5·49
	Gopalpur .	—0·20	—0·42	—0·48	—0·73	+1·27	—0·45	—0·71	—0·10	+0·22	—0·75	—3·50	—0·29	— 6·14
	Aska . .	—0·20	—0·50	—0·71	—1·41	—0·34	—0·05	+0·35	+3·15	+0·68	+2·12	—2·13	—0·47	+ 0·49
	Vizianagram	—0·12	—0·42	—0·67	—0·57	+3·49	—0·04	+3·35	+1·03	—3·08	+4·79	—2·39	—1·04	+ 4·33
	Bimlipatam .	—0·21	—0·46	+0·28	—0·30	+9·49	—0·24	+3·97	—1·48	—0·20	—0·84	—2·88	—0·31	+ 6·82
	Rayaghadda .	—0·10	—0·40	—0·34	—1·58	+1·72	+2·93	—2·08	—0·29	—0·15	+4·33	—1·33	—0·54	+ 2·17
	Nourangapur	—0·11	—0·29	+0·06	—1·23	+3·45	+4·97	—0·08	—2·02	—0·13	—1·13	—0·72	—0·07	+ 2·70
	Gunipore .	—0·04	—0·21	+1·28	—1·02	+4·56	+3·61	—0·95	+3·05	—1·93	+2·44	—1·60	—0·28	+ 8·91
	Jeypore .	—0·06	—0·28	—0·71	—0·65	+2·80	+6·26	—1·78	—0·36	—1·47	—1·39	—1·16	—0·04	+ 1·16
	Koraput .	—0·09	—0·23	—0·61	—0·26	+2·93	+4·64	—1·08	—0·08	—1·96	—0·80	—1·30	—0·19	+ 0·97
	Malkanagiri .	—0·01	—0·12	—0·47	—0·92	+3·05	+2·03	—0·71	+1·04	—2·11	+3·53	—0·94	—0·04	+ 4·33
	Narsapatnam	—0·23	—0·45	+0·50	—1·28	+4·30	—0·93	+2·38	—2·74	—2·97	+7·91	—2·77	—0·37	+ 3·35
	Waltair .	—0·27	—0·23	—0·31	—0·77	+6·77	—0·34	+0·50	+1·47	+2·55	—3·67	—4·40	+0·10	+ 1·40
	Cocanada .	—0·13	—0·33	0	—0·51	+0·95	—1·23	—1·84	—2·93	—4·55	+4·68	—4·13	—0·08	—10·10
	Rajahmundry	—0·14	—0·25	—0·32	—0·91	+1·07	—1·49	—3·42	—2·31	—5·84	+4·19	—1·98	+0·60	—10·80
	Ellore . .	—0·16	—0·17	—0·37	—0·58	+4·86	—1·40	—1·32	—2·89	—6·62	+4·82	—2·29	—0·22	— 6·34

TABLE XXVI.—*Departure of the monthly and total rainfall (in inches) in 1904, from the averages of past years*—contd.

PROVINCE.	STATION.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	TOTAL.
MADRAS—*contd.*	Masulipatam	−0·09	−0·16	−0·26	−0·40	+3·38	−0·94	+0·85	−1·46	−3·97	+3·29	−4·43	+2·59	− 1·60
	Guntur . .	−0·19	−0·19	−0·46	−0·45	+2·77	−1·02	−2·96	−1·85	−1·58	−1·52	−2·32	−0·18	− 9·95
	Vinukonda .	+0·14	−0·09	−0·25	+0·89	+2·36	−1·32	−2·40	−2·06	−0·40	−2·15	− 3·14	−0·51	− 8·93
	Ongole .	+2·70	−0·09	−0·21	−0·43	−1·33	−0·54	−1·30	−2·07	−3·77	+0·90	− 6·82	−0·58	−14·54
	Nellore .	+4·34	−0·09	−0·18	−0·26	+1·66	−0·93	−0·43	+0·14	−2·22	−5·72	− 9·59	−0·18	−13·46
	Udayagiri .	+3·97	−0·21	−0·44	−0·78	+0·42	−0·55	−1·27	−1·67	−2·25	−3·49	− 6·79	−0·55	−13·61
	Tada . .	+4·14	−0·48	−0·18	−0·26	+0·55	−1·71	+0·16	−2·85	−2·80	−3·69	−11·00	−0·59	−18·71
	Kurnool .	−0·01	−0·03	−0·43	−0·81	−0·41	+0·26	−1·41	−4·69	−4·14	−0·88	− 0·90	−0·15	−13·60
	Nandyal .	−0·01	−0·04	+0·77	−0·50	−0·41	+0·59	−2·54	−5·92	−2·42	−0·06	− 1·00	−0·17	−11·71
	Bellary .	0	−0·03	−0·05	−0·33	+2·80	+0·73	+0·05	−1·80	−1·34	+6·92	− 1·20	−0·20	+ 5·55
	Gooty . .	−0·03	−0·05	−0·08	−0·46	+0·40	−0·83	−1·42	−3·57	+0·99	+7·70	− 1·21	−0·11	+ 1·33
	Adoni . .	−0·04	0	−0·09	−0·56	−0·69	−0·03	−1·24	−4·64	−0·50	−2·69	− 0·81	−0·15	−11·44
	Dharmavaram	+0·04	−0·10	−0·16	−0·50	+1·48	−2·08	−0·48	−2·19	−2·80	+1·38	− 1·83	−0·25	− 7·49
	Cuddapah .	+0·14	−0·04	−0·17	+0·25	−0·65	−0·63	−0·23	−5·23	−4·92	−2·48	− 3·03	−0·51	−17·50
	Madanapalle	+0·22	−0·13	−0·30	−0·58	+1·69	−1·64	+2·92	−1·34	−1·12	−0·64	− 3·79	−0·66	− 5·37
	Chittore .	+0·22	−0·21	−0·32	−0·59	−0·39	−1·49	+0·64	−3·68	−3·75	+0·97	− 4·54	−1·08	−14·22
	Vellore .	+0·35	−0·33	−0·19	−0·68	+1·37	−0·76	+1·95	−3·48	−2·55	−1·51	− 5·27	−1·92	−13·02
	Chandragiri .	+0·35	−0·22	−0·21	−0·58	−0·87	−1·50	+2·74	−4·18	−2·64	−3·55	− 6·27	−1·49	−18·42
	Arcot . .	+0·32	−0·44	−0·36	−0·68	+1·11	+0·80	+2·29	−4·49	−1·51	−1·68	− 5·87	−1·65	−12·16
	Madras .	+1·27	−2·28	−0·37	−0·65	−1·04	−1·48	+2·41	−2·11	−1·33	−8·60	−13·10	−1·91	−27·19
	Palmaner .	+0·22	−0·20	−0·38	−0·61	+0·96	−0·97	+0·98	−3·98	+1·85	−1·83	− 4·22	−0·62	− 8·80
	Saidapet .	+3·02	−0·41	−0·26	−0·52	−0·56	−1·09	+1·85	−1·46	−3·01	−8·28	−13·57	−1·79	−26·08
	Chingleput .	+1·23	−0·32	−0·13	−0·44	−0·29	−1·85	+0·25	−3·40	−2·51	−3·22	− 9·38	−1·66	−21·72
	Conjeeveram .	+0·81	−0·26	−0·11	−0·70	+2·45	−1·33	+7·08	−4·37	−0·87	−0·66	− 7·45	−1·61	− 7·02
	Tindivanam .	+0·35	−0·54	−0·25	−0·85	+0·17	−1·05	+3·53	−2·31	+0·85	+1·93	− 7·17	−2·17	− 7·51
	Cuddalore .	+0·18	−0·36	−0·34	−0·91	−0·10	−0·58	+2·89	−2·76	−1·85	−0·18	−12·03	−1·47	−17·51
	Vridhachalam	+2·05	−0·31	−0·27	−0·43	+4·16	−1·58	−1·66	+0·48	−0·29	+3·93	− 5·89	−0·91	− 0·72
	Udayarpalaiyam.	+2·12	−0·45	−0·31	+0·80	−0·64	−1·32	−0·88	−1·28	+2·85	−1·33	− 7·46	−0·92	− 8·82
	Salem . .	+0·12	−0·23	−0·80	+0·06	+4·69	+0·70	+3·66	−4·17	−0·99	−2·99	− 2·60	−0·67	− 3·22
	Atur . .	+0·43	−0·32	−0·70	−1·22	+3·75	−0·78	+3·08	−2·55	−1·99	−3·85	− 4·33	−1·12	− 9·60
	Shevaroy Hills	+0·72	−0·48	−0·76	−1·42	+9·45	−1·05	+2·08	−4·24	−3·10	−1·80	− 6·25	−1·92	− 8·77
	Kumbakonam	+2·47	−0·55	−0·51	−0·78	+0·68	−1·16	−1·45	−4·21	+0·08	−3·04	− 7·24	+0·45	−15·26
	Tirupatur .	+0·51	−0·31	−0·44	−0·82	−0·72	−2·13	+1·33	−1·71	−1·74	−1·50	− 3·13	+1·09	− 9·57
	Hosur . .	+0·02	−0·31	−0·43	?	?	?	?	?	?	−4·38	− 3·36	−0·18	?

TABLE XXVI.—*Departure of the monthly and total rainfall (in inches) in 1904, from the averages of past years*—contd.

Province.	Station.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
Madras—*concld.*	Tranquebar	+ 6·91	−0·46	−0·11	−0·99	+1·48	−0·58	−1·15	+1·68	−2·75	−1·51	− 8·51	+1·50	− 4·49
	Negapatam	+ 6·25	−0·72	−0·32	−0·84	+4·88	−0·03	−0·94	−1·78	−2·24	−5·22	−10·07	−1·54	−12·57
	Tanjore	+ 2·08	−0·43	−0·42	−1·13	+0·69	−1·56	+0·92	−3·21	−3·53	−2·34	− 5·52	+0·02	−14·43
	Patukota	+ 4·11	−0·75	−0·53	−1·32	+2·57	+0·47	+3·38	−2·73	−1·89	−5·86	− 5·53	+2·21	− 5·87
	Trichinopoly	+ 1·35	−0·57	−0·57	−2·16	+0·90	− 1·39	−0·62	− 3·80	−0·12	+0·08	−3·82	−1·50	−12·22
	Karur	+ 0·51	−0·17	−0·30	−1·85	+4·53	− 1·26	+2·28	− 2·75	−2·94	+2·58	−2·81	−1·04	− 3·22
	Coimbatore	+ 1·24	−0·31	−0·53	−1·73	+3·52	− 0·01	+0·69	− 0·81	−0·30	−0·97	−2·88	−0·90	− 2·99
	Kollegal	− 0·09	−0·12	−0·82	+0·65	+4·89	+ 1·88	+1·34	− 3·78	−5·41	−2·54	−2·34	−0·56	− 6·90
	Dindigul	+ 0·95	−0·43	−0·51	−0·34	+6·05	− 1·86	−0·75	− 2·19	+0·94	+1·86	−2·20	−1·62	− 0·10
	Madura (Obsy.)	+ 0·38	−0·47	−0·63	−1·62	+1·31	− 1·37	+1·27	− 2·70	−1·51	+0·40	−4·69	−0·88	−10·51
	Vattanum	− 0·40	−0·93	−0·81	−2·83	−0·35	− 0·75	+1·76	− 1·21	−1·36	−2·83	−5·76	−1·33	−16·80
	Periyakulam	+ 0·46	−0·98	−1·53	−1·28	+4·50	− 0·32	+2·03	− 1·84	−0·99	+0·04	−4·63	−1·25	− 5·79
	Tinnevelly	− 0·07	−0·88	−1·40	−0·73	+1·33	+ 0·10	−0·23	− 0·46	−0·55	+1·02	−7·90	−0·07	− 9·84
	Tuticorin	+ 2·07	−0·61	−0·86	−1·77	−0·78	− 0·19	−0·16	− 0·31	−0·58	+0·13	−1·56	+0·19	− 4·43
	Satur	+ 1·73	− 0·72	−1·05	−1·81	−0·02	− 0·31	−0·51	− 1·69	+0·05	+3·58	−4·04	−0·48	− 5·27
	Cochin	+ 0·64	−0·80	+2·81	−3·78	−1·48	+ 5·10	+4·53	− 0·90	−3·18	−0·90	−3·38	−1·72	− 3·06
	Palghat	+ 0·39	−0·23	−0·70	−2·68	+4·15	+ 9·11	−5·72	− 3·10	− 1·45	+0·95	−3·01	−0·64	− 2·93
	Wellington	+ 1·91	−1·41	−1·73	−1·48	−0·19	− 0·34	−0·58	0	−0·64	−2·81	−6·30	−2·87	−16·44
	Manantoddy	− 0·17	−0·29	−0·95	+1·43	+3·85	+21·48	+4·15	− 4·25	+1·99	+0·23	−1·48	−0·48	+25·51
	Calicut	+ 1·66	−0·16	−0·03	−1·67	+2·66	+ 5·18	+0·24	− 1·80	+3·46	+2·24	−3·80	−1·32	+ 5·66
	Tellicherry	− 0·15	−0·15	+0·91	−3·47	+6·19	+ 4·65	−4·53	− 4·11	+2·01	+3·68	−3·11	−0·87	+ 1·05
	Cannanore	− 0·32	−0·22	−0·02	−1·99	+7·23	+14·70	+4·35	− 3·88	−0·03	+5·72	−3·06	−0·46	+22·02
	Mangalore	+ 0·78	− 0·07	−0·11	−0·54	−2·93	+ 9·36	+4·51	− 9·70	+0·83	+1·13	−1·97	−0·50	+ 0·79
Mysore and Coorg.	Bangalore	− 0·04	−0·22	−0·72	−0·62	+4·98	− 1·18	+1·75	− 3·88	−2·13	−0·57	−2·61	−0·32	− 5·56
	Mysore	− 0·07	−0·17	−0·64	+1·24	+7·27	− 0·93	−0·41	− 1·85	−1·43	−4·19	−1·80	−0·43	− 3·41
	Shimoga	− 0·06	−0·11	+0·40	+0·89	+5·07	− 0·15	+1·63	− 0·75	−1·80	+0·74	−1·42	−0·34	+ 4·10
	Mercara	− 0·18	−0·09	−0·68	+0·79	+0·62	+ 5·40	+2·36	−11·71	+5·36	−1·71	−2·45	−0·50	− 2·79
	Kolar	− 0·08	−0·04	−0·50	−1·09	+2·27	− 2·13	−0·63	− 3·03	−4·34	+0·07	−3·17	−0·69	−13·36
	Tumkur	− 0·14	−0·19	−0·33	−0·03	+3·41	− 2·53	+3·06	− 3·43	−0·34	+1·26	−1·74	−0·36	− 1·36
	Chitaldroog	− 0·16	−0·03	−0·10	−0·81	−1·05	+ 2·77	+1·90	− 1·83	−2·70	+2·81	−2·23	−0·37	− 1·80
	Chikmagalur	− 0·20	+0·40	−0·63	+0·14	+3·47	+ 1·99	+0·19	− 2·74	−0·43	−0·77	−2·27	−0·46	− 1·31
	Hassan	− 0·61	−0·09	−0·14	+1·80	+1·75	− 0·50	−1·58	− 1·62	−1·74	+2·37	−1·61	−0·59	− 2·56
Ceylon.	Trincomalee	+ 5·81	−0·45	−1·41	−1·48	+0·98	− 1·37	+1·52	− 3·07	−3·60	−0·71	+2·87	+4·56	+ 3·65
	Colombo	+ 2·50	+0·16	+1·59	−6·03	−2·83	+ 1·16	+4·48	− 3·45	−3·21	+7·37	−9·16	−4·23	−11·65
	Ratnapura	+ 3·11	+1·98	−2·47	−1·83	+5·16	+ 3·28	+8·51	−10·69	+2·84	+0·64	−8·69	−6·68	− 4·84

TABLE XXVI.—*Departure of the monthly and total rainfall (in inches) in 1904, from the averages of past years*—contd.

Province.	Station.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
Ceylon—*concld.*	Puttalam	+ 2·87	−0·55	−2·88	−5·42	+2·78	− 0·25	+0·89	− 0·71	−0·89	+ 1·26	−9·08	+ 1·11	−10·87
	Anuradhapur	+ 3·46	−1·20	−0·20	−5·54	−1·52	− 1·61	+4·09	− 1·87	−2·54	−1·04	−9·15	+5·40	−11·72
	Mannar	− 0·05	−1·10	−1·50	−2·77	−2·35	− 0·62	+3·02	− 0·48	−0·89	−4·64	−8·48	+3·30	−16·56
	Jaffna	+ 0·92	−1·07	−0·73	−1·08	−0·38	− 0·73	+0·57	− 0·72	−2·47	−0·39	−9·21	+3·63	−11·66
	Batticaloa	+11·76	−1·26	−1·34	+0·34	+1·22	− 1·03	+1·96	− 2·08	−1·65	−1·97	+0·66	+3·45	+10·06
	Hambantota	− 1·34	−1·45	−0·48	−2·03	−2·54	− 1·88	−0·14	− 1·42	−1·78	−2·01	−6·29	−4·15	−25·51
	Galle	+3·13	−1·31	−1·63	+1·10	−3·79	+0·70	+9·92	−4·14	−2·51	+4·08	−10·79	−3·28	−8·52
	Kandy	+7·64	−0·70	+0·84	−4·52	+2·43	+7·39	+2·78	−1·92	+2·33	−0·05	−2·66	−0·45	+13·11
	Nuwara Eliya	+9·06	−0·63	−1·91	−1·87	+3·65	+10·62	+0·63	− 0·33	−7·94	−2·12	− 1·82	+1·64	+8·98
	Hakgala	+10·45	+0·09	−1·53	−0·01	−0·59	+6·09	+1·38	− 2·49	+0·06	−0·94	−1·71	−0·14	+10·66
	Badulla	+11·76	−2·44	−2·40	−3·64	−2·35	−1·91	+1·12	− 3·29	+0·88	−0·66	−6·30	−3·06	−12·29
Burma.	Akyab	−0·12	−0·09	−0·53	+4·21	−1·02	−1·32	+9·15	−11·74	+0·09	− 9·46	+5·43	−0·41	−5·81
	Kyaukpyu	−0·11	−0·04	−0·25	+1·15	−2·14	+11·68	+8·56	−8·03	+0·17	−4·84	+4·82	− 0·28	+10·69
	Sandoway	−0·08	−0·07	−0·10	+1·64	−5·90	+12·81	+13·77	− 6·90	− 2·10	−7·91	+0·26	−0·29	+5·13
	Rangoon	−0·11	−0·23	−0·16	+2·23	−5·97	+0·99	+4·74	+5·42	−2·05	−5·89	+2·33	− 0·03	+1·27
	Bassein	−0·17	−0·20	−0·05	+0·26	−6·69	+7·07	+2·94	+0·80	+2·81	−3·78	+1·20	+0·02	+4·21
	Diamond Island.	−0·24	−0·07	−0·05	−1·07	−2·11	+15·78	+10·74	−1·34	+6·30	−2·88	−3·10	−0·63	+21·33
	Henzada	−0·07	−0·18	−0·04	+0·41	−4·52	+0·26	−0·42	+6·08	+0·37	−2·69	+7·00	+0·06	+6·26
	Myanaung	−0·05	−0·02	−0·01	+1·08	−2·78	+4·25	+2·11	−0·88	−2·27	−3·06	+4·51	+0·04	+2·92
	Prome	−0·02	−0·01	−0·02	+1·74	−0·55	+4·51	+6·16	−2·58	+2·30	−3·59	+4·31	+0·03	+12·28
	Thayetmyo	−0·02	−0·04	−0·06	+0·08	−1·85	+3·47	−0·86	+0·50	−0·71	−3·20	+2·25	−0·01	−0·45
	Mandalay	−0·06	−0·08	−0·21	+2·16	+0·50	+0·65	+5·52	−0·14	+4·88	−0·66	+1·56	+0·32	+14·44
	Shwebo	−0·08	−0·07	−0·24	+2·54	−2·73	+0·64	+1·00	−1·94	+1·19	+0·33	+4·62	+0·20	+5·46
	Yeu	−0·08	−0·07	−0·37	+0·68	−1·69	+0·48	+2·84	−0·46	+4·57	−0·48	+3·60	+0·14	+9·16
	Minbu	−0·04	−0·01	−0·02	+0·85	−3·33	+2·74	−0·91	+1·37	+0·23	+1·66	+5·96	+0·22	+8·72
	Pyinmana	−0·06	−0·06	−0·03	+1·75	+3·50	+3·12	+0·68	+0·69	+0·54	−0·66	+0·92	+0·06	+10·45
	Pagan	−0·03	−0·03	−0·13	+0·41	−1·19	+1·51	−1·38	−0·43	+1·97	+0·54	+3·72	+0·19	+5·15
	Kyauksai	−0·19	−0·07	−0·12	+3·24	+1·50	+0·07	−0·06	+1·48	+0·83	+0·93	+1·82	+0·25	+9·68
	Bhamo	−0·50	0	−0·62	+2·01	−1·94	−4·09	+1·75	+1·95	+1·05	+0·15	+5·59	+0·31	+5·66
	Kindat	−0·25	−0·07	−1·03	+0·03	−3·20	+0·52	−0·60	−5·51	−0·11	−2·39	+1·54	−0·23	−11·30
	Magwe	0	−0·02	−0·02	+0·39	−3·78	+3·63	−1·49	+0·50	+0·87	−0·79	+5·39	−0·14	+4·54
	Yamethin	−0·05	−0·22	−0·14	+0·77	−3·17	−0·44	−1·94	−0·56	+4·40	+0·28	−0·59	−0·14	−1·80
	Fort Sagaing	−0·03	−0·04	−0·17	+0·67	+1·96	+1·19	+1·31	+2·47	−0·27	−1·26	−0·10	−0·03	+5·70
	Mingin	−0·11	−0·03	−0·52	+1·08	−3·66	+0·57	−0·14	−3·60	+0·07	−0·18	+1·46	+0·07	−4·99

TABLE XXVI.—*Departure of the monthly and total rainfall (in inches) in 1904, from the averages of past years*—concld.

Province.	Station.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October	November.	December.	Total.
Burma—*concld.*	Toungoo	−0·06	−0·12	−0·08	+1·74	−0·66	+4·70	+4·58	−3·34	+6·29	+0·36	+2·49	+0·06	+15·96
	Shwegyin	−0·12	−0·34	−0·28	−0·89	+4·40	+5·65	+5·29	−2·14	+0·60	−4·45	+1·20	+0·20	+9·12
	Moulmein	−0·17	−0·13	+0·45	+7·43	+2·89	+1·06	−0·78	+12·31	−0·67	−3·97	+1·53	−0·03	+19·92
	Tavoy	−0·17	−0·54	+0·76	+3·92	−4·98	+28·90	+23·61	+0·98	+27·18	−2·16	+6·04	+1·16	+84·70
	Mergui	−0·72	+1·65	−0·34	−3·82	−4·49	+14·18	+15·38	−0·75	+1·08	−4·35	+5·02	−0·34	+22·50
	Myingyan	−0·04	−0·05	−0·08	+0·90	+2·44	−0·27	−0·27	+5·14	−0·01	+0·02	+1·56	+0·23	+9·57
	Monywa	0	+0·02	−0·23	+1·43	+0·37	+2·05	−0·87	−1·56	−0·42	−0·59	+2·05	+0·17	+2·42
Bay Islands.	Port Blair	−0·53	−0·38	−0·34	+5·03	−4·74	+1·54	+4·30	−8·51	+13·44	−2·93	+3·62	−3·97	+6·53
	Cocos Island	−0·31	−0·11	0	−0·49	−0·36	+16·73	−3·99	+0·37	+6·24	−3·84	−2·61	−0·58	+11·05
Kashmir.	Leh	−0·24	−0·35	−0·22	−0·21	−0·12	−0·08	+0·86	−0·30	−0·16	−0·20	−0·02	−0·12	−1·16
	Srinagar	+0·41	−3·72	+1·32	−1·28	+1·23	−0·28	+0·06	+2·78	−0·36	+2·44	+0·29	+2·77	+5·66
	Skardu	−1·37	−1·01	−0·01	−2·00	+0·91	−0·18	+0·01	−0·88	−0·58	+0·42	+0·06	−0·03	−4·66
	Gilgit	−0·09	−0·12	−0·30	−0·46	+1·01	−0·12	−0·41	+0·50	−0·11	0	+0·17	+0·06	+0·13
Nepal	Katmandu	−0·87	−0·65	−1·17	+0·98	+1·63	+7·39	−0·23	+0·47	−0·47	+0·25	+1·37	+0·91	+9·61
Extra India.	Meshed	+0·48	+2·34	+2·44	−1·45	+3·01	−0·24	−0·02	−0·01	−0·07	+0·15	+1·70	+0·15	+8·48
	Teheran	+6·31	−0·52	−0·87	−0·26	+0·63	−0·04	−0·35	−0·04	+0·13	+0·13	−0·06	+1·32	+6·38
	Ispahan	+0·95	−0·16	+0·56	+0·11	−0·05	0	−0·05	0	0	−0·23	−0·82	+0·57	+0·88
	Bushire	−2·28	−2·15	−0·16	−0·25	−0·01	0	0	0	0	−0·12	−1·87	+2·27	−4·57
	Jask	+0·26	−0·13	+0·41	+0·02	0	−0·10	−0·02	0	0	−0·06	+0·08	−0·94	−0·48
	Muscat	−1·46	−0·76	−1·00	−0·03	0	−0·32	−0·04	0	0	−0·02	+0·05	−0·51	−4·09
	Baghdad	−0·30	−1·92	−0·75	−0·10	+0·76	−0·01	0	−0·09	0	+0·46	−1·01	−0·58	−3·54
	Aden	−0·27	−0·23	−0·74	−0·25	+0·33	−0·04	−0·04	−0·13	−0·12	−0·01	−0·13	−0·13	−1·76
	Perim	+0·19	−0·28	−0·28	−0·01	−0·37	0	−0·17	−0·07	+0·03	−0·05	−0·05	+0·55	−0·51
	Kabul	+0·43	−0·83	−0·88	+0·03	−0·24	0	−0·21	−0·16	−0·02	−0·10	−0·46	+0·07	−2·35
	Kashgarh	−0·23	−0·04	−0·21	−0·20	−0·64	+0·45	−0·34	−0·71	−0·29	−0·03	−0·02	−0·10	−2·36
	Amini Divi	+0·10	0	0	−1·76	−2·80	+4·61	−2·24	−1·58	−0·02	+3·07	−1·58	−0·31	−2·51
	Minicoy	−2·09	−0·35	−0·45	−3·15	−0·76	+1·68	+3·42	−4·96	+2·69	−1·41	−3·82	−1·95	−11·15
	Zanzibar	+1·99	+0·84	−0·59	+2·62	+11·02	+6·76	−0·26	−1·35	−0·45	+1·58	+7·11	+0·21	+29·48
	Port Victoria (Seychelles).	+11·94	+1·84	−11·91	−0·78	−4·38	−5·68	−2·27	+1·66	+2·39	−2·72	+12·28	+3·36	+5·73
	Mauritius	−3·67	−1·99	+4·76	−1·08	−0·49	+1·66	+0·02	−1·29	−0·28	−0·56	−0·50	−0·65	−4·07

TABLE XXVII.—*Geographical summary of rainfall in 1904.*

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.
			"	"	"		
I. Punjab Plains	120,000	29	21·28	17·02	— 4·26		511,200
II. United Provinces of Agra and Oudh	83,500	44	38·18	38·27	+ 0·09	7,515	
IIIa. Rajputana East	67,000	29	25·98	23·81	— 2·17		145,390
IIIb. " West	58,000	10	11·71	7·60	— 4·11		238,380
IV. Central India States	91,000	24	43·40	39·65	— 3·75		341,250
V. Bihar	30,000	15	45·58	49·62	+ 4·04	121,200	
VI. Western Bengal	38,000	14	53·69	60·94	+ 7·25	275,500	
VII. Lower "	54,000	28	66·16	59·58	— 6·58		355,320
VIII. Assam and Cachar	61,000	17	95·09	101·42	+ 6·33	386,130	
IX. Orissa and Northern Circars	27,000	32	51·87	50·72	— 1·15		31,050
X. Central Provinces, South	61,000	19	52·47	41·11	—11·36		692,960
XI. Berar and Khandesh	43,000	12	34·92	26·83	— 8·09		347,870
XII. Gujarat	54,500	13	33·02	13·78	—19·24		1,048,580
XIII. Sind and Cutch	68,000	10	8·26	3·32	— 4·94		335,920
XIV. North Deccan	48,000	13	30·78	22·73	— 8·05		386,400
XV. Konkan and Ghats	16,000	11	139·17	119·50	—19·67		314,720
XVI. Malabar and Ghats	18,000	8	114·93	120·71	+ 5·78	104,040	
XVII. Hyderabad	74,000	15	33·54	26·64	— 6·90		510,600
XVIII. Mysore and Bellary	58,000	17	29·00	23·56	— 5·44		315,520
XIX. Carnatic	72,000	36	36·84	26·15	—10·69		769,680
XX. Arakan	11,000	6	154·03	154·95	+ 0·92	10,120	
XXI. Pegu	32,500	7	72·55	78·61	+ 6·06	196,950	
XXII. Tenasserim	10,500	4	173·33	207·39	+34·06	357,630	
XXIII. Upper Burma	?	13	39·50	44·57	+ 5·07		

On the mean of the whole area represented in the above table there was a defect of 4·09 inches, or excluding Burma of 4·77 inches.

TABLE XXVIII.—*Geographical summary of the distribution of rainfall in 1904 according to seasons.*

Meteorological division.	January and February.			March to May.			June to October.			November and December.		
	Normal average.	Actual average.	Difference.	Normal average.	Actual average.	Difference.	Normal average.	Actual average.	Difference.	Normal average.	Actual average.	Difference.
	"	"	"	"	"	"	"	"	"	"	"	"
North-West Himalayas	6·03	3·47	—2·56	7·11	7·57	+0·46	42·43	41·31	—1·12	1·66	2·73	+1·07
Punjab Plains	2·21	1·64	—0·57	2·42	4·73	+2·31	15·92	9·48	—6·44	0·73	1·17	+0·44
United Provinces of Agra and Oudh.	1·52	0·34	—1·18	1·38	1·95	+0·57	35·81	35·11	—0·70	0·45	1·93	+1·48
Rajputana	0·49	0·35	—0·14	0·78	1·91	+1·13	21·45	16·64	—4·81	0·39	0·76	+0·37
Central India States	1·00	0·77	—0·23	0·76	1·87	+1·11	40·97	36·27	—4·70	0·66	0·73	+0·07
Bihar	1·26	0·53	—0·73	2·50	3·63	+1·13	41·12	46·16	+5·04	0·32	0·58	+0·26
Western Bengal and Chota Nagpur.	1·51	0·70	—0·81	3·63	6·69	+3·06	47·96	53·42	+5·46	0·60	0·12	—0·48
Lower Bengal	1·39	1·12	—0·27	10·55	14·26	+3·71	53·08	43·15	—9·93	0·71	0·55	—0·16
Eastern Himalayas	1·64	1·90	+0·26	18·03	21·15	+3·12	103·92	90·68	—13·24	0·55	0·70	+0·15
Assam and Eastern Bengal	1·83	2·42	+0·59	22·64	31·89	+9·25	69·44	65·17	—4·27	1·19	1·95	+0·76
Orissa and Northern Circars	0·74	0·35	—0·39	4·81	5·56	+0·75	44·11	44·64	+0·53	2·18	0·30	—1·88
Central Provinces, South	0·93	0·53	—0·40	1·85	2·29	+0·44	48·85	38·09	—10·76	0·83	0·19	—0·64
Berar and Khandesh	0·52	0·27	—0·25	1·09	0·54	—0·55	32·34	25·93	—6·41	0·99	0·09	—0·90
Gujarat	0·18	0·51	+0·33	0·37	0·84	+0·47	31·95	12·68	—19·27	0·30	0·05	—0·25
Sind and Cutch	0·49	0·69	+0·20	0·45	1·11	+0·66	7·89	1·53	—6·36	0·21	0·14	—0·07
North Deccan	0·18	0·02	—0·16	3·50	3·35	—0·15	25·65	19·36	—6·29	1·45	0·01	—1·44
Konkan and Ghats	0·22	0·06	—0·16	1·71	0·91	—0·80	131·63	112·26	—19·37	0·90	0	—0·90
Malabar and Ghats	0·52	0·60	+0·08	11·34	12·43	+1·09	99·16	107·38	+8·22	3·91	0·32	—3·59
Hyderabad	0·26	0·01	—0·25	1·87	1·26	—0·61	29·71	24·51	—5·20	1·30	0	—1·30
Ceded Districts and Mysore	0·24	0·10	—0·14	4·80	6·52	+1·72	21·60	16·62	—4·98	2·52	0·14	—2·38
Carnatic	0·92	2·06	+1·14	4·07	4·34	+0·27	21·12	15·73	—5·39	10·66	3·67	—6·99
Nilgiris	2·53	3·03	+0·50	9·96	6·56	—3·40	26·70	22·33	—4·37	10·92	1·75	—9·17
Arakan	0·77	0·81	+0·04	14·96	18·29	+3·33	135·45	130·68	—4·77	2·87	5·19	+2·32
Pegu	0·20	0	—0·20	8·95	6·56	—2·39	66·27	74·27	+8·00	2·60	5·16	+2·56
Tenasserim	0·98	0·84	—0·14	22·36	23·62	+1·26	147·69	176·93	+29·24	2·31	6·00	+3·69
Upper Burma	0·21	0·05	—0·16	6·18	6·21	+0·03	30·29	32·54	+2·25	1·48	4·20	+2·72
Bay Islands	1·15	0·48	—0·67	15·45	15·00	—0·45	69·09	80·76	+11·67	10·68	8·91	—1·77

TABLE XXIX.—*Average actual and normal rainfall data of the 57 meteorological divisions of India for the four seasons of the year 1904 and for the whole year.*

Province.	Division.	January and February.			March to May.			June to October.			November and December.			Whole Year.		
		Average actual rainfall.	Average normal rainfall.	Departure of actual from normal.	Average actual rainfall.	Average normal rainfall.	Departure of actual from normal.	Average actual rainfall.	Average normal rainfall.	Departure of actual from normal.	Average actual rainfall.	Average normal rainfall.	Departure of actual from normal.	Average actual rainfall.	Average normal rainfall.	Departure of actual from normal.
		"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
Burma	1. Tenasserim	0·46	0·63	−0·17	30·02	27·86	+ 2·16	195·00	165·06	+29·94	5·91	2·16	+3·75	231·39	195·71	+35·68
	2. Lower Burma, Deltaic	0·03	0·21	−0·18	9·10	14·05	− 4·95	97·21	88·83	+ 8·38	5·63	1·77	+3·86	111·97	104·86	+ 7·11
	3. Central do.	0	0·07	−0·07	5·48	7·64	− 2·16	47·81	46·55	+ 1·24	5·64	1·23	+4·41	58·93	55·51	+ 3·42
	4. Upper do.	0·15	0·30	−0·15	6·47	7·28	− 0·81	34·32	32·39	+ 1·93	4·25	1·63	+2·62	45·19	41·60	+ 3·59
	5. Arakan	0·05	0·20	−0·15	15·09	14·17	+ 0·92	172·80	155·71	+17·09	6·56	1·93	+4·63	194·50	172·01	+22·49
Bengal and Assam	6. Eastern Bengal	1·55	1·42	+0·13	25·73	17·10	+ 8·63	59·36	69·68	−10·32	2·58	1·24	+1·34	89·22	89·44	− 0·22
	7. Assam Surma	4·06	2·28	+1·78	50·22	38·21	+12·01	85·31	88·34	− 3·03	3·65	1·61	+2·04	143·24	130·44	+12·80
	8. Do. Hills	2·53	1·97	+0·56	31·57	27·26	+ 4·31	82·71	105·47	−22·76	3·36	1·60	+1·76	120·17	136·30	−16·13
	9. Do. Brahmaputra	2·22	2·20	+0·02	29·60	23·68	+ 5·92	60·28	62·88	− 2·60	1·55	0·93	+0·62	93·65	89·69	+ 3·96
	10. Deltaic Bengal	1·09	1·43	−0·34	12·39	9·87	+ 2·52	42·73	48·85	− 6·12	0·44	0·90	−0·46	56·65	61·05	− 4·40
	11. Central do.	0·53	1·20	−0·67	10·04	6·68	+ 3·36	42·77	47·57	− 4·80	0·25	0·51	−0·26	53·59	55·96	− 2·37
	12. North do.	1·29	1·02	+0·27	23·31	16·38	+ 6·93	60·82	81·44	−20·62	0·15	0·30	−0·15	85·57	99·14	−13·57
	13. Bengal Hills	1·56	1·61	−0·05	17·64	15·37	+ 2·27	90·75	95·46	− 4·71	0·45	0·52	−0·07	110·40	112·96	− 2·56
	14. Orissa	0·49	1·00	−0·51	4·51	6·03	− 1·52	48·06	48·84	− 0·78	0·18	1·65	−1·47	53·24	57·52	− 4·28
	15. Chota Nagpur	0·76	1·33	−0·57	6·53	3·81	+ 2·72	52·68	48·62	+ 4·06	0·07	0·59	−0·52	60·04	54·35	+ 5·69
	16. South Bihar	0·54	1·41	−0·87	3·34	2·03	+ 1·31	44·72	41·34	+ 3·38	0·13	0·38	−0·25	48·73	45·16	+ 3·57
	17. North do.	0·26	1·12	−0·86	5·78	4·20	+ 1·58	43·60	47·82	− 4·22	0·80	0·20	+0·60	50·44	53·34	− 2·90
United Provinces of Agra and Oudh.	18. United Provinces, East	0·58	1·20	−0·62	0·96	0·87	+ 0·09	37·83	37·46	+ 0·37	1·30	0·39	+0·91	40·67	39·92	+ 0·75
	19. South Oudh	0·29	1·15	−0·86	0·61	0·89	− 0·28	34·96	35·20	− 0·24	1·88	0·46	+1·42	37·74	37·70	+ 0·04
	20. North do.	0·21	1·31	−1·10	1·27	1·53	− 0·26	34·55	39·12	− 4·57	2·09	0·42	+1·67	38·12	42·38	− 4·26
	21. United Provinces, Central.	0·30	0·99	−0·69	1·14	0·71	+ 0·43	37·39	32·59	+ 4·80	1·65	0·49	+1·16	40·48	34·78	+ 5·70
	22. United Provinces, West	0·16	1·10	−0·94	2·40	0·96	+ 1·44	26·52	23·60	+ 2·92	1·57	0·42	+1·15	30·65	26·08	+ 4·57
	23. United Provinces, East Submontane.	0·49	1·22	−0·73	2·34	1·73	+ 0·61	43·44	42·24	+ 1·20	1·45	0·25	+1·20	47·72	45·44	+ 2·28
	24. United Provinces, West Submontane.	0·84	2·65	−1·81	3·51	1·86	+ 1·65	39·16	42·41	− 3·25	2·46	0·72	+1·74	45·97	47·64	− 1·67
	25. United Provinces, Hills	1·53	4·73	−3·20	5·18	4·60	+ 0·58	52·15	53·35	− 1·20	2·61	1·07	+1·54	61·47	63·75	− 2·28
Punjab	26. South-East Punjab	0·28	1·31	−1·03	3·20	1·09	+ 2·11	18·81	19·44	− 0·63	1·41	0·47	+0·94	23·70	22·31	+ 1·39
	27. South do.	0·47	1·46	−0·99	2·97	1·11	+ 1·86	10·12	13·38	− 3·26	0·87	0·42	+0·45	14·43	16·37	− 1·94
	28. Central do.	2·25	2·25	0	4·65	1·99	+ 2·66	6·14	14·02	− 7·88	0·83	0·60	+0·23	13·87	18·86	− 4·99
	29. Punjab Submontane	2·20	3·48	−1·28	5·68	2·67	+ 3·01	15·47	23·02	− 7·55	1·72	0·91	+0·81	25·07	30·08	− 5·01
	30. Do. Hills	4·30	6·89	−2·59	9·18	6·87	+ 2·31	36·44	44·00	− 7·56	2·56	1·89	+0·67	52·48	59·65	− 7·17
	31. West Punjab	1·56	1·15	+0·41	3·32	1·30	+ 2·02	2·47	6·20	− 3·73	0·74	0·32	+0·42	8·09	8·97	− 0·88

TABLE XXIX.—*Average actual and normal rainfall data of the 57 meteorological divisions of India for the four seasons of the year 1904 and for the whole year*—concld.

Province.	Division.	January and February.			March to May.			June to October.			November and December.			Whole year.		
		Average actual rainfall.	Average normal rainfall.	Departure of actual from normal.	Average actual rainfall.	Average normal rainfall.	Departure of actual from normal.	Average actual rainfall.	Average normal rainfall.	Departure of actual from normal.	Average actual rainfall.	Average normal rainfall.	Departure of actual from normal.	Average actual rainfall.	Average normal rainfall.	Departure of actual from normal.
		"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
North-West Frontier Province.	32. North-West Frontier Province.	3·19	2·34	+0·35	7·12	4·89	+2·23	9·35	9·74	−0·39	0·94	1·01	−0·07	20·60	17·98	+ 2·62
Bombay and Malabar Coast Districts (Madras).	33. Malabar	0·48	0·38	+0·10	10·40	10·97	−0·57	116·90	109·95	+6·95	0·34	4·21	−3·87	128·12	125·51	+ 2·61
	33A. Travancore	1·67	...	...	12·80	...	...	76·68	...	...	2·06	...	...	92·41	...	...
	34. Madras, South Central	0·79	0·47	+0·32	8·59	5·97	+2·62	13·23	18·39	−5·16	0·54	5·12	−4·58	23·15	29·95	− 6·80
	35. Coorg	0·25	...	...	10·25	...	...	83·85	...	...	0·15	...	...	94·50	...	...
	36. Mysore	0·07	0·11	−0·04	7·93	5·19	+2·74	22·60	26·19	−3·59	0·15	3·16	−3·01	30·75	34·65	− 3·90
	37. Konkan	0·01	0·18	−0·17	1·15	1·96	−0·81	91·08	110·04	−18·96	0·01	0·94	−0·93	92·25	113·12	−20·87
	38. Bombay Deccan	0·04	0·17	−0·13	2·47	3·10	−0·63	23·52	31·05	−7·53	0	1·34	−1·34	26·03	35·66	− 9·63
	39. Hyderabad, North	0·01	0·24	−0·23	0·94	1·50	−0·56	27·81	32·76	−4·95	0	1·31	−1·31	28·76	35·81	− 7·05
	40. Khandesh	0·37	0·24	+0·13	0·30	0·83	−0·53	22·18	29·21	−7·03	0·02	0·70	−0·68	22·87	30·98	− 8·11
Central Provinces and Berár.	41. Berar	0·29	0·52	−0·23	0·68	0·98	−0·30	24·88	29·64	−4·76	0·07	0·87	−0·80	25·92	32·01	− 6·09
	42. Central Provinces, West.	0·91	0·78	+0·13	0·99	1·01	−0·02	26·29	41·49	−15·20	0·28	0·80	−0·52	28·47	44·08	−15·61
	43. Central Provinces, Central.	0·66	1·01	−0·35	2·36	1·82	+1·04	36·29	48·05	−11·76	0·38	0·71	−0·33	39·69	51·09	−11·40
	44. Central Provinces, East.	0·57	0·86	−0·29	3·81	1·93	+1·88	48·81	48·78	+0·03	0·04	0·70	−0·66	53·23	52·27	+ 0·96
Bombay (North).	45. Gujarat	0·55	0·15	+0·40	0·89	0·26	+0·63	17·55	40·79	−23·24	0·05	0·29	−0·24	19·04	41·49	−22·45
	46. Kathiawar and Cutch	0·44	0·15	+0·29	0·85	0·29	+0·56	11·11	26·68	−15·57	0·03	0·38	−0·35	12·43	27·50	−15·07
	47. Sind	0·76	0·53	+0·23	1·13	0·39	+0·74	0·62	5·50	−4·88	0·16	0·20	−0·04	2·67	6·62	− 3·95
	48. Baluchistan Hills	3·18	2·90	+0·28	3·42	1·88	+1·54	0·26	2·17	−1·91	0·27	1·49	−1·22	7·13	8·44	− 1·31
Rajputana and Central India.	49. Central India, East	0·61	0·88	−0·27	1·48	0·57	+0·91	34·55	34·71	−0·16	0·67	0·64	+0·03	37·42	36·81	+0·61
	50. Rajputana, East, Central India, West.	0·32	0·65	−0·33	1·97	0·74	+1·23	26·39	22·87	+3·52	1·06	0·60	+0·46	29·75	24·87	+4·88
	51. West Rajputana	0·21	0·29	−0·08	1·14	0·44	+0·70	5·39	10·74	−5·35	0·35	0·34	+0·01	7·09	11·81	−4·72
Madras	52. East Coast, North	0·35	0·50	−0·15	5·67	3·63	+2·04	32·80	34·58	−1·78	0·39	3·38	−2·99	39·21	42·09	−2·88
	53. Hyderabad, South	0·01	0·25	−0·24	1·50	2·15	−0·65	21·10	25·99	−4·89	0?	1·32	−1·32	22·61	29·71	−7·10
	54. Madras, Central	0·26	0·12	+0·14	3·08	2·47	+0·61	13·20	19·65	−6·45	0·12	2·59	−2·47	16·66	24·83	−8·17
	55. East Coast, Central	14·05	0·57	+3·48	3·38	1·91	+1·47	11·08	20·66	−9·58	2·26	10·90	−8·64	20·77	34·04	−13·27
	56. East Coast, South	11·98	0·90	+1·08	3·56	3·40	+0·16	17·89	23·18	−5·89	4·92	14·17	−9·25	27·75	41·65	−13·90
	57. Madras, South	1·28	1·40	−0·12	3·67	4·92	−1·25	11·96	12·40	−0·44	4·30	9·82	−5·52	21·21	28·54	− 7·33

TABLE XXX.—*Average actual and normal number of rainy days of the 57 meteorological divisions of India for the four seasons of the year 1904 and for the whole year*

Province.	Division.	January and February.			March to May.			June to October.			November and December.			Whole year.		
		Average actual number of rainy days.	Average normal number of rainy days.	Departure of actual from normal.	Average actual number of rainy days.	Average normal number of rainy days.	Departure of actual from normal.	Average actual number of rainy days.	Average normal number of rainy days.	Departure of actual from normal.	Average actual number of rainy days.	Average normal number of rainy days.	Departure of actual from normal.	Average actual number of rainy days.	Average normal number of rainy days.	Departure of actual from normal.
Burma	1. Tenasserim	0·7	1·1	−0·4	27·8	25·1	+2·7	118·6	114·4	+4·2	5·5	3·7	+1·8	152·6	144·3	+8·3
	2. Lower Burma Deltaic.	0	0·3	−0·3	13·1	17·5	−4·4	107·2	103·1	+4·1	6·9	2·9	+4·0	127·2	123·8	+3·4
	3. Central Burma	0	0·1	−0·1	9·1	11·2	−2·1	79·4	75·0	+4·4	7·0	2·0	+5·0	95·5	88·3	+7·2
	4. Upper Burma	0·4	0·7	−0·3	12·3	11·1	+1·2	49·9	45·3	+4·6	5·9	2·9	+3·0	68·5	60·0	+8·5
	5. Arakan	0·2	0·3	−0·1	15·7	14·1	+1·6	108·4	105·0	+3·4	6·6	2·7	+3·9	130·9	122·1	+8·8
Bengal and Assam	6. Eastern Bengal	2·2	2·5	−0·3	24·4	19·0	+5·4	71·7	69·9	+1·8	3·3	1·6	+1·7	101·6	93·0	+8·6
	7. Assam Surma	5·5	4·3	+1·2	45·0	37·1	+7·9	87·2	87·2	0	6·0	2·1	+3·9	143·7	130·7	+13·0
	8. Do. Hills	4·6	4·3	+0·3	34·1	30·2	+3·9	88·5	89·6	−1·1	7·0	3·1	+3·9	134·2	127·2	+7·0
	9. Do. Brahmaputra	5·4	5·6	−0·2	38·8	32·5	+6·3	68·2	69·1	−0·9	3·7	2·2	+1·5	116·1	109·4	+6·7
	10. Deltaic Bengal	1·4	2·3	−0·9	14·6	13·8	+0·8	59·9	62·2	−2·3	1·1	1·2	−0·1	77·0	79·5	−2·5
	11. Central do.	1·3	2·4	−1·1	12·1	9·9	+2·2	57·5	58·1	−0·6	0·4	0·8	−0·4	71·3	71·2	+0·1
	12. North do.	2·4	2·3	+0·1	23·2	18·5	+4·7	64·9	66·6	−1·7	0·5	0·7	−0·2	91·0	88·1	+2·9
	13. Bengal Hills	4·6	3·8	+0·8	29·1	26·0	+3·1	87·8	89·6	−1·8	1·3	1·4	−0·1	122·8	120·8	+2·0
	14. Orissa	1·3	1·8	−0·5	8·1	8·8	−0·7	63·6	58·4	+5·2	0·7	2·0	−1·3	73·7	71·0	+2·7
	15. Chota Nagpur	1·7	2·7	−1·0	11·6	6·9	+4·7	61·4	58·3	+3·1	0·3	1·0	−0·7	75·0	68·9	+6·1
	16. South Bihar	1·4	2·9	−1·5	4·6	3·4	+1·2	51·4	47·0	+4·4	0·3	0·6	−0·3	57·7	53·9	+3·8
	17. North do.	1·0	2·4	−1·4	7·4	6·2	+1·2	48·7	49·0	−0·3	1·2	0·5	+0·7	58·3	58·1	+0·2
United Provinces of Agra and Oudh.	18. United Provinces, East.	1·1	2·6	−1·5	2·5	1·8	+0·7	43·0	42·7	+0·3	3·0	0·7	+2·3	49·6	47·8	+1·8
	19. South Oudh	0·8	2·4	−1·6	2·4	2·0	+0·4	41·3	38·6	+2·7	3·5	0·8	+2·7	48·0	43·8	+4·2
	20. North do.	0·4	2·8	−2·4	3·0	2·9	+0·1	43·0	39·9	+3·1	3·6	0·8	+2·8	50·0	46·4	+3·6
	21. United Provinces, Central.	1·0	2·2	−1·2	3·5	1·8	+1·7	38·2	36·8	+1·4	3·4	0·9	+2·5	46·1	41·7	+4·4
	22. United Provinces, West.	0·7	2·4	−1·7	5·2	2·6	+2·6	29·1	27·6	+1·5	4·1	0·9	+3·2	39·1	33·5	+5·6
	23. United Provinces, East Submontane.	1·3	2·5	−1·2	4·3	3·1	+1·2	47·9	43·0	+4·9	2·8	0·6	+2·2	56·3	49·2	+7·1
	24. United Provinces, West Submontane.	2·1	4·8	−2·7	7·1	4·1	+3·0	37·5	39·0	−1·5	4·8	1·4	+3·4	51·5	49·3	+2·2
	25. United Provinces Hills.	2·7	7·9	−5·2	12·8	9·6	+3·2	53·4	57·0	−3·6	4·2	2·0	+2·2	73·1	76·5	−3·4
Punjab	26. South-East Punjab	1·1	3·0	−1·9	6·3	1·9	+4·4	22·1	22·2	−0·1	3·5	1·0	+2·5	33·0	28·1	+4·9
	27. South Punjab	1·3	3·2	−1·9	5·2	2·5	+2·7	16·3	16·1	+0·2	2·0	0·9	+1·1	24·8	22·7	+2·1
	28. Central Punjab	4·4	4·7	−0·3	8·3	4·5	+3·8	11·0	15·4	−4·4	2·2	1·1	+1·1	25·9	25·7	+0·2
	29. Punjab Submontane	4·3	5·9	−1·6	9·9	5·5	+4·4	20·2	23·8	−3·6	3·0	1·5	+1·5	37·4	36·7	+0·7
	30. Do. Hills	9·0	9·7	−0·7	19·4	11·7	+7·7	45·8	43·3	+2·5	4·6	2·7	+1·9	78·8	67·4	+11·4
	31. West Punjab	2·7	2·7	0	6·6	3·1	+3·5	4·9	8·6	−3·7	2·1	0·7	+1·4	16·3	15·1	+1·2

TABLE XXX.—*Average actual and normal number of rainy days of the 57 meteorological divisions of India for the four seasons of the year 1904 and for the whole year*—concld.

Province.	Division.	January and February.			March to May.			June to October.			November and December.			Whole year.		
		Average actual number of rainy days.	Average normal number of rainy days.	Departure of actual from normal.	Average actual number of rainy days.	Average normal number of rainy days.	Departure of actual from normal.	Average actual number of rainy days.	Average normal number of rainy days.	Departure of actual from normal.	Average actual number of rainy days.	Average normal number of rainy days.	Departure of actual from normal.	Average actual number of rainy days.	Average normal number of rainy days.	Departure of actual from normal.
North-West Frontier Province.	32. North-West Frontier Province.	5·3	5·5	−0·2	12·6	8·8	+3·8	14·6	13·7	+ 0·9	2·6	1·8	+0·8	35·1	29·8	+ 5·3
Bombay and Malabar Coast Districts (Madras).	33. Malabar	0·8	0·3	+0·5	13·9	13·7	+0·2	103·7	97·8	+ 5·9	0·6	6·2	−5·6	119·0	118·0	+ 1·0
	33-A. Travancore	2·0	...	...	16·5	...	...	77·8	...	...	3·9	...	...	100·2	...	...
	34. Madras, South Central	1·4	0·7	+0·7	11·5	9·3	+2·2	23·2	28·5	− 5·3	1·6	8·0	−6·4	37·7	46·5	− 8·8
	35. Coorg	0·3	...	...	18·3	...	...	93·9	...	...	0·6	...	...	113·1	...	...
	36. Mysore	0·2	0·2	0	13·0	8·8	+4·2	36·4	39·6	− 3·2	0·4	4·9	−4·5	50·0	53·5	− 3·5
	37. Konkan	0	0·3	−0·3	2·4	2·7	−0·3	84·9	92·0	− 7·1	0	1·6	−1·6	87·3	96·6	− 9·3
	38. Bombay Deccan	0·1	0·4	−0·3	4·8	5·9	−1·1	36·8	45·2	− 8·4	0	2·2	−2·2	41·7	53·7	−12·0
	39. Hyderabad, North	0	0·5	−0·5	1·9	3·6	−1·7	36·0	46·0	−10·0	0	2·2	−2·2	37·9	52·3	−14·4
	40. Khandesh	1·0	0·5	+0·5	0·9	1·6	−0·7	29·4	41·9	−12·5	0·1	1·2	−1·1	31·4	45·2	−13·8
Central Provinces and Berar.	41. Berar	0·8	1·2	−0·4	2·3	1·9	+0·4	34·6	41·0	− 6·4	0·1	1·3	−1·2	37·8	45·4	− 7·6
	42. Central Provinces, West.	2·2	1·4	+0·8	2·6	2·2	+0·4	42·2	48·6	− 6·4	0·8	1·3	−0·5	47·8	53·5	− 5·7
	43. Central Provinces, Central.	1·9	1·9	0	5·0	2·9	+2·1	49·0	53·1	− 4·1	1·0	1·2	−0·2	56·9	59·1	− 2·2
	44. Central Provinces, East	1·4	1·8	−0·4	5·7	4·3	+1·4	57·9	53·6	+ 4·3	0·2	1·2	−1·0	65·2	60·9	+ 4·3
Bombay (North)	45. Gujarat	1·3	0·3	+1·0	1·8	0·5	+1·3	21·7	44·1	−22·4	0·2	0·6	−0·4	25·0	45·5	−20·5
	46. Kathiawar and Cutch	1·1	0·3	+0·8	1·9	0·6	+1·3	11·7	29·4	−17·7	0·1	0·6	−0·5	14·8	30·9	−16·1
	47. Sind	2·0	1·5	+0·5	2·4	1·0	+1·4	1·0	6·2	− 5·2	0·3	0·5	−0·2	5·7	9·2	− 3·5
	48. Baluchistan Hills	7·3	6·7	+0·6	6·6	5·2	+1·4	0·7	3·7	− 3·0	1·1	3·5	−2·4	15·7	19·1	− 3·4
Rajputana and Central India.	49. Central India, East	2·1	1·8	+0·3	3·4	1·3	+2·1	37·3	42·2	− 4·9	2·0	1·4	+0·6	44·9	46·7	− 1·8
	50. Rajputana, East, Central India, West.	1·1	1·6	−0·5	5·0	1·9	+3·1	29·8	27·5	+ 2·3	2·4	1·3	+1·1	38·3	32·3	+ 6·0
	51. West Rajputana	0·6	0·8	−0·2	3·3	1·1	+2·2	9·5	13·5	− 4·0	0·8	0·7	+0·1	14·2	16·1	− 1·9
Madras	52. East Coast, North	0·3	0·7	−0·4	7·0	6·1	+0·9	44·8	46·0	− 1·2	1·0	3·5	−2·5	53·1	56·3	− 3·2
	53. Hyderabad, South	0	0·6	−0·6	4·5	4·3	+0·2	31·8	42·4	−10·6	0	2·5	−2·5	36·3	49·8	−13·5
	54. Madras, Central	0·8	0	+0·8	5·3	4·7	+0·6	25·1	30·6	− 5·5	0·4	4·0	−3·6	31·6	39·3	− 7·7
	55. East Coast, Central	2·4	0·8	+1·6	3·7	2·7	+1·0	18·5	28·4	− 9·9	4·3	9·8	−5·5	28·9	41·7	−12·8
	56. East Coast, South	2·7	1·4	+1·3	5·3	4·6	+0·7	25·2	31·2	− 6·0	6·6	14·3	−7·7	39·8	51·5	−11·7
	57. Madras, South	2·5	2·3	+0·2	5·9	7·5	−1·6	19·1	18·7	+ 0·4	7·2	12·5	−5·3	34·7	41·0	− 6·3

I.—The cold weather period.—This period was even drier than usual over a large part of the country. Sind, Gujarat, Assam, Malabar and the Carnatic were the only areas which received rainfall in excess of the normal. In the first two districts the excess was due solely to the occurrence of a series of thunderstorms in the last week of February; while in Madras, where the rainfall was exceptionally heavy for the time of year, it was the result of a strong determination of humid north-east winds across the Peninsula during the first fortnight of January.

The deficiency in the remainder of the country was serious in the Gangetic plain, where it prolonged a feature which had been present during the last two months of the previous year:—

Area.	Rainfall of period, January and February.			
	Average actual, 1904.	Average normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Burma	0·14	0·28	—0·14	— 50
Assam	3·14	2·24	+0·90	+ 40
Bengal	1·12	1·27	—0·15	— 12
Orissa	0·49	1·00	—0·51	— 51
Bihar	0·40	1·27	—0·87	— 69
Chota Nagpur	0·76	1·33	—0·57	— 43
United Provinces of Agra and Oudh.	0·41	1·37	—0·96	— 70
Punjab	1·66	2·08	—0·42	— 20
Sind	0·76	0·53	+0·23	+ 43
Rajputana	0·27	0·47	—0·20	— 43
Gujarat	0·50	0·15	+0·35	+233
Central India	0·61	0·88	—0·27	— 31
Central Provinces	0·71	0·88	—0·17	— 19
Berar	0·29	0·52	—0·23	— 44
Konkan	0·01	0·18	—0·17	— 94
Bombay Deccan	0·21	0·21	0	0
Mysore	0·07	0·11	—0·04	— 36
Hyderabad	0·01	0·25	—0·24	— 96
Ganjam	0·35	0·50	—0·15	— 30
Malabar	0·48	0·38	+0·10	+ 26
Remainder of Madras	1·67	0·69	+0·98	+142

There was no general fall of rain in upper India after the middle of January, and, if the cold weather rains be limited by definition to those of January and February, in 1904 they may be considered to have terminated at least six weeks before their normal date.

The cold weather rains were very irregularly distributed in Baluchistan and Persia. They were in marked defect in Kashmir, Afghanistan and Arabia.

As in the corresponding period of 1903, the scanty precipitation in upper India was associated with heavier rain than usual in the equatorial region as represented by Zanzibar and the Seychelles: in both years it was, however, followed by more rain than usual in March.

Station.	Rainfall of period, January and February.			
	Actual, 1904.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Quetta	5·02	4·24	+ 0·78	+ 18
Chaman	2·85	3·05	— 0·20	— 7
Leh	0·08	0·66	— 0·58	— 88
Gilgit	0·09	0·37	— 0·28	— 76
Meshed	4·03	1·44	+ 2·59	+180
Teheran	7·81	2·11	+ 5·70	+270
Ispahan	1·21	0·43	+ 0·78	+181
Bushire	1·17	5·47	— 4·30	— 79
Baghdad	1·13	3·55	— 2·42	— 68
Aden	0	0·61	— 0·61	—100
Perim	0·70	0·60	+ 0·10	+ 17
Kabul	1·45	2·22	— 0·77	— 35
Kashgar	0·08	0·39	— 0·31	— 79
Zanzibar	7·60	5·36	+ 2·24	+ 42
Seychelles	44·68	30·48	+14·20	+ 47

II.—The hot weather period.—Weather was much more fitful than usual during this period. It was very disturbed in March in north-western and central India but finer than usual in north-east and south India. Opposite conditions prevailed in April during which month the rainfall was below the normal throughout the country with the exception of Burma, Assam and Bengal where the usual thundershowers were more frequent than usual. May was unusually rainy over the whole of India almost without exception. The excess of rainfall was most marked in the coast districts of Madras and the east of the Central Provinces, that is in the region traversed by the cyclonic storm of the last week of the month:—

(*a*) The total rainfall of the period March to May was more or less in defect over Burma, Orissa, Berar, the whole of the west coast, the Bombay Deccan and Hyderabad. The deficiency was small in Burma and Malabar but was moderate to large in other districts: it was on the whole greates

in the Konkan owing to the almost entire absence in May of the usual thunderstorms :—

Area.	Rainfall of period, March to May.			
	Average actual, 1904.	Average normal.	Departure from normal.	Precentage departure from normal.
	"	"	"	
Burma	13'23	14'20	—0'97	—7
Orissa	4'51	6'03	—1'52	—25
Berar	0'68	0'98	—0'30	—31
Konkan	1'15	1'96	—0'81	—41
Bombay Deccan	1'39	1'97	—0'58	—29
Hyderabad	1'22	1'83	—0'61	—33
Malabar	10'40	10'97	—0'57	—5

(*b*) Over the remainder of the country including the whole of northern India, the Central Provinces, Mysore and Madras, the rainfall of the period was much above the normal. The excess was most marked in the Punjab, Sind, Rajputana, Gujarat and Central India over which areas two to three times the normal quantity of the season was received :—

Area.	Rainfall of period, March to May.			
	Average actual, 1904.	Average normal.	Departure from normal.	Precentage departure from normal.
	"	"	"	
Assam	39'91	30'95	+8'96	+29
Bengal	17'87	12'51	+5'36	+43
Bihar	4'56	3'12	+1'44	+46
Chota Nagpur	6'53	3'81	+2'72	+71
United Provinces of Agra and Oudh	1'75	1'22	+0'53	+43
Punjab	4'49	2'09	+2'40	+115
Sind	1'13	0'39	+0'74	+190
Rajputana	1'56	0'59	+0'97	+164
Gujarat	0'87	0'28	+0'59	+211
Central India	1'48	0'57	+0'91	+160
Central Provinces	2'39	1'42	+0'97	+68
Mysore	7'93	5'19	+2'74	+53
Ganjam	5'67	3'63	+2'04	+56
Remainder of Madras	4'46	3'73	+0'73	+20

(*c*) The precipitation of the period was normal or in defect in the mountain region bordering north-west India as well as in Arabia. It was, on the other hand, very irregularly distributed in Persia and the western half of the equatorial Belt :—

Station.	Rainfall of period, March to May.			
	Actual, 1904.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Quetta	2'54	3'31	—0'77	—23
Chaman	2'64	1'79	+0'85	+47
Leh	0'20	0'60	—0'40	—67
Gilgit	2'22	2'31	—0'09	—4
Meshed	8'87	4'95	+3'92	+79
Teherán	3'22	4'31	—1'09	—25
Ispahan	2'15	1'48	+0'67	+45
Bushire	0'98	1'53	—0'55	—36
Baghdad	2'58	2'80	—0'22	—8
Aden	0'50	1'44	—0'94	—65
Perim	0'09	0'66	—0'57	—86
Kabul	6'39	7'68	—1'29	—17
Kashgar	0'15	1'20	—1'05	—88
Zanzibar	41'49	26'91	+14'58	+54
Seychelles	4'61	21'78	—17'17	—79

The excess at Zanzibar occurred chiefly in May when there occurred a total fall of 21'25 inches instead of 9'26 inches, the normal for the month.

III.—The south-west monsoon period.—

(*a*) The Arabian Sea current was retarded slightly on the west coast but advanced very quickly into Gujarat on the one hand and the Central Provinces on the other. It was, however, as measured by the amount of precipitation in the region usually served by it, much feebler than usual until about September 7th, when it strengthened materially and in conjunction with the Bay current gave a much-needed burst of rain in the Deccan, the Central Provinces, Rajputana, Central India, the east Punjab and the United Provinces. It was on the whole weakest from August 26th to September 5th when a marked break obtained over practically the whole of its

field. The Bay current was established a week earlier than usual on the Bengal coast and was of about normal intensity in July and August but feeble in September.

The first burst of the monsoon rains in various parts of India occurred on the following dates :—

Province.	Date of commencement of monsoon rains.
Malabar	June 6th
South Konkan	" 7th
North Konkan	" 9th
Gujarat	" 11th
Central Provinces	" 9th
Bengal	" 9th
Bihar	" 10th
Chota Nagpur	" 9th
United Provinces	" 21st or 22nd
East Punjab	" 21st
Rajputana	" 21st
Central India	" 20th

(*b*) The precipitation in the field of the Bay current contrasted very favourably with that in the region of the Arabian Sea current, being 1 per cent. in excess in the former and 16 per cent. in defect in the latter area :—

Area.	Rainfall of period, June to September.				Rainfall of period, June to October.			
	Average actual, 1904.	Average normal.	Departure from normal.	Percentage departure from normal.	Average actual, 1904.	Average normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	"	"	"	"	
Arabian Sea	29·88	35·40	−5·52	−16	32·60	38·32	−5·72	−15
Bay of Bengal	46·84	46·48	+0·36	+1	50·31	50·56	−0·25	0

(*c*) In the region usually dominated by the Bay current the local departures were small except in the case of Burma and Bengal; the former received 16 per cent. more, and the latter 16 per cent. less than its normal quantity :—

Area.	Rainfall of period, June to September.				Rainfall of period, June to October.			
	Average actual, 1904.	Average normal.	Departure from normal.	Percentage departure from normal.	Average actual, 1904.	Average normal.	Departure from normal.	Percentage departure from normal.
	"	"	"		"	"	"	
Burma	105·79	90·91	+14·88	+16	109·43	97·71	+11·72	+12
Assam	68·21	70·04	−1·83	−3	72·80	75·61	−2·81	−4
Bengal	48·12	57·25	−9·13	−16	51·42	61·89	−10·47	−17
Orissa	43·74	43·16	+0·58	+1	48·06	48·84	−0·78	−2
Bihar	40·26	42·01	−1·75	−4	44·16	44·58	−0·42	−1
Chota Nagpur	51·33	45·81	+5·52	+12	52·68	48·62	+4·06	+8
United Provinces of Agra and Oudh	34·78	34·52	+0·26	+1	36·26	36·09	+0·17	0
Ganjam	24·24	27·54	−3·30	−12	32·80	34·58	−1·78	−5

(*d*) In the field of the Arabian Sea current the precipitation was almost universally in defect, the only exceptions being Central India and Malabar, but even in these areas the excess was not large.

The rainfall was conspicuously scanty in Sind, Gujarat, the Punjab, the Bombay Deccan and Madras (excluding Ganjam) :—

Area.	Rainfall of period, June to September.				Rainfall of period, June to October.			
	Average actual, 1904.	Average normal.	Departure from normal.	Percentage departure from normal.	Average actual 1904.	Average normal.	Departure from normal.	Percentage departure from normal.
	"	"	"		"	"	"	
Punjab	10·11	14·07	−3·96	−28	10·39	14·30	−3·91	−27
Sind	0·62	5·48	−4·86	−89	0·62	5·50	−4·88	−89
Rajputana	15·85	16·67	−0·82	−5	15·89	16·81	−0·92	−5
Gujarat	14·18	32·93	−18·75	−57	14·33	33·74	−19·41	−58
Central India	34·00	33·73	+0·27	+1	34·55	34·71	−0·16	0
Central Provinces	35·19	44·26	−9·07	−20	37·13	46·11	−8·98	−19
Berar	22·75	27·88	−5·13	−18	24·88	29·64	−4·76	−16
Konkan	87·49	105·55	−18·96	−17	91·08	110·04	−18·96	−17
Bombay Deccan	19·42	26·96	−7·54	−28	22·85	30·13	−7·28	−24
Mysore	17·94	20·69	−2·75	−13	22·60	26·19	−3·59	−14
Hyderabad	21·43	26·59	−5·16	−19	24·46	29·38	−4·92	−17
Malabar	106·86	100·61	+6·25	+6	116·90	109·95	+6·95	+6
Remainder of Madras	7·70	11·86	−4·16	−35	13·35	18·86	−5·51	−29

(*d*) The deficiency was persistent throughout the period in the Punjab, Sind and Gujarat :—

Area.	Percentage departure from normal rainfall.			
	June.	July.	August.	September.
Punjab	−62	−45	−7	−11
Sind	−95	−80	−98	−85
Gujarat	−72	−50	−77	−31

(*e*) The rains in upper India terminated on the 18th September, which is about the normal date.

(*f*) Baluchistan, Afghanistan, Persia, Arabia and Kashgar received even less rain than usual. The precipitation of the period was on the other hand in marked excess at Zanzibar and in moderate defect at the Seychelles :—

Station.	Rainfall of period, June to September.			
	Actual, 1904.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Quetta	0·47	1·92	—1·45	— 76
Chaman	0	0·23	—0·23	—100
Leh	1·72	1·31	+0·41	+ 31
Kashgar	0·85	2·13	—1·28	— 60
Gilgit	1·45	1·78	—0·33	— 19
Meshed	0	0·27	—0·27	—100
Teheran	0·24	0·64	—0·40	— 63
Ispahan	0	0·06	—0·06	—100
Bushire	0	0	0	0
Baghdad	0	0·09	—0·09	—100
Aden	0	0·31	—0·31	—100
Perim	0·40	0·47	—0·07	— 15
Kabul	0·18	0·62	—0·44	— 71
Zanzibar	12·59	7·12	+5·47	+ 77
Seychelles	12·38	16·02	—3·64	— 23
Mauritius	8·02	7·94	+0·08	+ 1

IV.—The retreating south-west monsoon period.—The distribution of rainfall in October was determined firstly by the weakness of the Bay current, secondly by the occurrence of a cyclonic storm which advanced from the Bay into Hyderabad and thence through the Central Provinces to the foot of the Nepal Himalayas, and thirdly by the setting in of cold weather conditions in the western Himalayas long before their normal date. As a result of these factors the precipitation of the month was above the normal in Ganjam, the Deccan, Berar, the Central Provinces, the Punjab, Bihar and Chota Nagpur and in defect in nearly all other districts. The deficiency was most pronounced in Tenasserim, Arakan and the central coast districts of Madras which obtained only about half of their normal amounts. In November the Bay current strengthened materially but was, owing to the prevalence of abnormal pressure conditions, deflected to Burma and Bengal, which areas accordingly received abundant rain at the expense of the Peninsula.

Weather was unusually disturbed in the Punjab, Kashmir, the United Provinces and East Rajputana about the middle of the month when a depression of a somewhat peculiar character occasioned widespread rain.

Conditions were somewhat less abnormal in December in which month the rainfall of the whole Indian region was only 0·11″ in defect. The only noteworthy features of the local distribution were the large excess in the United Provinces and parts of the Punjab and the moderate defect in the south of Madras.

(1) The rainfall of the period, October to December, was deficient throughout the Peninsula and also in Bengal and Chota Nagpur. The deficiency was moderate or large in Mysore, Hyderabad and Madras and emphasized the drought prevailing there already :—

Area.	Rainfall of period, October to December.			
	Average actual, 1904.	Average normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Bengal	4·16	5·37	—1·21	— 23
Orissa	4·50	7·33	—2·83	— 39
Chota Nagpur	1·42	3·40	—1·98	— 58
Sind	0·16	0·22	—0·06	— 27
Gujarat	0·20	1·15	—0·95	— 83
Central India	1·22	1·62	—0·40	— 25
Central Provinces	2·17	2·58	—0·41	— 16
Berar	2·20	2·63	—0·43	— 16
Konkan	3·60	5·43	—1·83	— 34
Bombay Deccan	3·44	4·19	—0·75	— 18
Mysore	4·81	8·66	—3·85	— 44
Hyderabad	3·03	4·11	—1·08	— 26
Ganjam	8·95	10·42	—1·47	— 14
Malabar	10·38	13·55	—3·17	— 23
Remainder of Madras	8·08	15·52	—7·44	— 48

(2) The precipitation of the period was in excess over Burma and Assam, owing mainly to the heavy fall in November, and in the United Provinces, the Punjab and Rajputana, where the cold weather conditions began much earlier than usual. It was largely above the normal in

Bihar which received a heavy burst during the passage of the cyclonic storm of the third week of October.

Area.	Rainfall of period, October to December.			
	Average actual, 1904.	Average normal.	Departure from Normal.	Percentage departure from normal.
	"	"	"	
Burma	9·23	8·54	+0·69	+ 8
Assam	7·19	6·84	+0·35	+ 5
Bihar	4·37	2·87	+1·50	+52
United Provinces of Agra and Oudh	3·26	2·01	+1·25	+62
Punjab	1·37	0·85	+0·52	+61
Rajputana	0·75	0·61	+0·14	+23

(3) The monsoon current withdrew finally from the Bay at the end of the third week of December.

(4) The precipitation of the period was less than usual in the mountainous zone bordering upper India to the west and north: this would suggest that the actions giving rise to the unusually disturbed weather in the Punjab and the United Provinces were not transmitted from the west. In the region beyond Baluchistan the rainfall was very irregularly distributed, being in excess in Persia and below the normal in Asiatic Turkey and also in Arabia. Conditions were remarkable in the west of the equatorial belt, where Zanzibar and the Seychelles reported much heavier rain than usual:—

Station.	Rainfall of period, October to December.			
	Actual, 1904.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Quetta	0·48	1·21	—0·73	— 60
Chaman	0·17	1·22	—1·05	— 86
Leh	0·07	0·43	—0·36	— 84
Gilgit	0·51	0·34	+0·17	+ 50
Meshed	3·88	1·63	+2·25	+138
Teheran	4·03	2·43	+1·60	+ 66
Ispahan	1·10	1·67	—0·57	— 34
Bushire	5·77	5·11	+0·66	+ 13
Baghdad	1·70	2·60	—0·90	— 35
Aden	0	0·61	—0·61	—100
Perim	0·62	0·19	+0·43	+226
Kabul	0·85	1·33	—0·48	— 36
Kashgar	0·08	0·27	—0·19	— 70
Zanzibar	25·05	15·69	+9·36	+ 60
Seychelles	45·30	31·57	+13·73	+ 43

The year.—According to Table XXIX which is based on the whole of the available rainfall data of the country the precipitation of the year in the plains was 2·16 inches or 4 per cent. below the normal.

The deficiency was exhibited in three out of the four seasons of the year and was particularly large in the south west monsoon period when it amounted to 4·34 inches or 13 per cent. In the hot weather, on the other hand, there was an excess of 1·60 inches or 36 per cent.:—

Period.	Rainfall data of India excluding Burma and Hill Districts.			
	Actual of year 1904.	Normal of year.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Cold weather	0·89	1·04	—0·15	—14
Hot weather	6·06	4·46	+1·60	+36
South-west monsoon	30·18	34·52	—4·34	—13
Retreating south-west monsoon	3·69	4·76	—1·07	—22
Whole year	40·82	44·78	—3·96	— 9

The figures in the above table are, it may be noted, the arithmetical means (irrespective of the extent of area represented by each station), of the rainfall data of about 2,300 raingauge stations.

The year's rainfall was rather irregularly distributed in northern India, being more or less in excess in Assam, Bihar, Chota Nagpur, the United Provinces, Rajputana and Central India, and in defect in Bengal, the Punjab, Sind and Gujarat. The departures from the normal were nowhere important, except in Gujarat which obtained 54 per cent. less rain than usual:—

Area.	Annual rainfall.			
	Actual, 1904.	Normal rainfall.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Assam	118·45	110·07	+8·38	+ 8
Bihar	49·59	49·25	+0·34	+ 1
Chota Nagpur	60·04	54·35	+5·69	+10
United Provinces of Agra and Oudh	40·19	39·13	+1·06	+ 3
Rajputana	18·42	18·34	+0·08	0
Central India	37·42	36·81	+0·61	+ 2
Bengal	71·26	76·40	—5·14	— 7
Punjab	17·63	19·10	—1·47	— 8
Sind	2·67	6·62	—3·95	—60
Gujarat	15·74	34·50	—18·76	—54

In the Peninsula, on the other hand, the precipitation of the year was everywhere below the normal with the

exception of Malabar; the deficiency was most pronounced in the Central Provinces, the Bombay Deccan, Hyderabad, the Konkan and Madras (excluding Ganjam) where it ranged between 18 and 31 per cent.:—

Area.	Annual rainfall.			
	Actual, 1904.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Orissa	53·24	57·52	—4·28	— 7
Central Provinces	40·46	49·15	—8·69	—18
Berar	25·92	32·01	—6·09	—19
Konkan	92·25	113·12	—20·87	—18
Bombay Deccan	24·45	33·32	—8·87	—27
Mysore	30·75	34·65	—3·90	—11
Hyderabad	25·69	32·76	—7·07	—22
Ganjam	39·21	42·09	—2·88	— 7
Malabar	128·12	125·51	+2·61	+ 2
Remainder of Madras	21·91	31·80	—9·89	—31

The deficiency in these areas was not confined to a particular season but was distributed over the greater part of the year; it was more marked in the south-west monsoon period than in the comparatively dry season, January to May:—

Area.	Departure of rainfall from normal.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	"	"	"	"	"	"	"	"	"	"	"	"
Orissa	—0·23	—0·28	—0·24	—1·10	—0·18	+2·59	—1·86	+0·61	—0·76	—1·36	—1·41	—0·06
Sind	+0·19	+0·04	+0·96	—0·13	—0·09	—0·38	—1·91	—2·17	—0·40	—0·02	—0·03	—0·01
Gujarat	—0·02	+0·37	+0·76	—0·03	—0·14	—3·97	—6·75	—6·35	—1·69	—0·65	—0·28	—0·02
Berar	—0·07	—0·16	+0·07	—0·24	—0·13	—0·83	—3·79	—3·07	+2·56	+0·37	—0·58	—0·22
Konkan	—0·13	—0·04	+0·19	—0·20	—0·80	+8·75	—10·91	—10·77	—5·13	—0·90	—0·86	—0·07
Bombay Deccan	—0·10	+0·10	—0·05	—0·40	—0·13	—1·29	—3·53	—3·54	+0·82	+0·26	—0·80	—0·22
Hyderabad	—0·07	—0·17	—0·04	—0·49	—0·08	—0·27	—1·60	—5·00	+1·71	+0·24	—1·02	—0·30
Madras (excluding Ganjam and Malabar).	+1·35	—0·37	—0·40	—0·68	+1·80	—0·79	+0·54	—2·31	—1·60	—1·35	—5·32	—0·78

The following gives for the past 14 years the departures of the mean annual rainfall of the country as derived from the data of about 2,400 raingauge stations:—

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

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

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	46·97	+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

These data differ slightly from those given in the following statement which is based on the returns of about 450 stations selected by the late Mr. Blanford as representative of the rainfall conditions in India. In the calculation of these averages allowance is made for the area represented by each station :—

Year.	Number of divisions.			Rainfall of India excluding Burma.			
	Fall excessive.	Fall normal.	Fall deficient.	Actual.	Normal.	Departure from normal.	Percentage departure.
				"	"	"	
1875	16		8	43·47	41·09	+2·38	+6
1876	6		18	36·60	41·09	—4·49	—11
1877	10		14	36·81	41·09	—4·28	—10
1878	17	1	6	47·43	41·09	+6·34	+15
1879	16	2	6	42·78	41·09	+1·69	+4
1880	13	1	10	39·53	41·09	—1·56	—4
1881	15		9	41·19	41·09	+0·10	0
1882	17	1	6	43·73	41·09	+2·64	+6
1883	11	1	12	40·97	41·09	—0·12	0
1884	12		10	42·82	41·09	+1·73	+4
1885	15		7	42·14	41·09	+1·05	+3
1886	14		8	44·11	41·09	+3·02	+7
1887	11		11	43·51	41·09	+2·42	+6
1888	10		12	39·53	41·09	—1·54	—4
1889	15		8	43·50	41·09	+2·41	+6
1890	14	1	8	41·77	41·09	+0·68	+2
1891	6		17	37·55	41·09	—3·54	—9
1892	15		8	46·18	41·09	+5·09	+12
1893	22		1	50·16	41·09	+9·07	+22
1894	17		6	47·56	41·09	+6·47	+16
1895	5		17	38·90	41·09	—2·19	—7
1896	7	2	14	36·26	41·09	—4·83	—12
1897	10	2	11	40·94	41·09	—0·15	0
1898	10	3	10	41·52	41·09	+0·43	+1
1899	6		17	29·95	41·09	—11·14	—27
1900	10		13	40·52	41·09	—0·57	—1
1901	5		18	36·96	40·19	—4·13	—10
1902	8		15	39·04	41·09	—2·05	—5
1903	3	4	6	43·06	41·09	+1·97	+5
1904				36·32	41·09	—4·77	—12

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Concluding Summary.

I.—The cold weather period, January and February, 1904.—The following table, extracted from Table I of the Monthly Weather Reviews and based on readings from the 179 observatories gives mean departure data of the more important meteorological elements for the cold weather period, January and February 1904:—

Meteorological Province.	Departure from normal during cold weather period, January and February 1904.							
	Mean pressure.	Mean maximum temperature.	Mean minimum temperature.	Mean aqueous vapour pressure.	Mean humidity.	Mean cloud amount	Total rainfall.	Percentage departure of rainfall.
	"	°	°	"			"	
Burma coast and Bay Islands.	+·002	—0·8	—0·2	—·037	—1·6	—0·7	—0·30	—38
Burma Inland . .	+·033	—2·6	—1·4	—·010	+0·6	—0·7	—0·19	—63
Assam . . .	+·006	0	—1·1	—·009	+0·7	—1·3	+0·79	+33
Bengal and Orissa .	+·007	—0·2	—1·1	—·014	+0·2	—0·7	—0·11	— 8
Gangetic Plain and Chota Nagpur.	+·009	+0·6	—0·4	—·006	+0·5	—0·7	—0·73	—55
Upper Sub-Himalayas.	+·016	+0·8	0	—·020	—3·6	—1·0	—1·65	—54
Indus Valley and North-West Rajputana.	+·015	+1·1	+0·5	—·015	—4·0	—0·8	+0·28	+27
East Rajputana, Central India and Gujarat	+·009	+0·7	+0·8	—·002	—0·4	+0·1	—0·04	— 9
Deccan . . .	+·013	—0·7	0	—·001	+0·7	+0·1	—0·14	—27
West Coast . .	—·004	—0·2	+0·4	—·010	—2·0	+0·4	+0·10	+23
South India . .	+·005	—2·0	—0·8	+·005	+3·3	+0·5	+0·34	+45
Whole India . .	+·010	—0·3	—0·3	—·011	—0·5	—0·4	—0·15	—13

The conditions of the period appear to have been as usual mainly determined by the precipitation, and the distribution of this has been given in greater detail in the table on pages 519 and 520 based on the complete returns of about 2,500 rain-recording stations. Rainfall was in marked defect in Orissa, Bihar, Chota Nagpur, the United Provinces, Punjab, Rajputana, Central India and Hyderabad, and was in decided excess in Assam, Sind, Gujarat and south India. Snowfall was in excess in the Punjab Himalayas and the Afghan mountain districts in January but in February practically no snow fell and the previous accumulation melted faster than usual: In the Assam Himalayas snowfall was in marked excess. The abnormal coolness in Burma is shown especially in the maximum temperatures and is not easy to explain, but in Assam the deficiency of cloud combined with excess of rain and of snow in the neighbouring hills will account for the normal day temperatures with nights cooler than usual. The deficiency of cloud was associated in Orissa with low temperatures especially at night, and in the Gangetic Plain and Chota Nagpur with high maximum and low minimum temperatures; in north-west India, where it was combined with paucity of snowfall, it produced high temperatures, shown particularly in the day time. In south India the excess of cloud and rain caused lower temperatures than usual, the maximum being, as usual, more affected than the minimum. The pressure departures do not show a very close relationship with temperature and humidity. Pressure was in largest excess in Burma Inland where the air was decidedly colder and drier than usual and the next largest excess was in north-west India, where increase of temperature, though combined with deficiency of moisture, usually gives a lower pressure than usual: compared with the normal the barometer was lowest in the west coast, where weather was slightly warmer and drier than the average.

The following table of the conditions at certain departmental stations in Central Asia, Afghanistan, Persia, Asiatic Turkey and Arabia, as well as of representative Indian hill stations will show that the conditions of the latter extended to Kashgar, and, as far as precipitation is concerned, to Kabul; but in Persia while temperature was in excess, the precipitation reported was approximately normal on the average.

Province.	Station.	Departure from normal during cold weather period, January and February.							
		Mean pressure.	Mean maximum temperature.	Mean minimum temperature.	Mean aqueous vapour pressure.	Mean humidity.	Mean cloud amount.	Precipitation measured as rainfall.	Percentage departure of precipitation.
		"	°	°	"			"	
Central Asia.	Kashgar .		+5·4	—0·4			—3·4	—0·31	—79
Afghanistan.	Kabul .		—1·4	—8·9				—0·77	—35
Persia	Meshed .							+2·59	+180
	Teheran .		—0·9	—2·0				+5·70	+270
	Ispahan .		+1·5	+2·5				+0·78	+181
	Bushire .	—·002	+0·6	+0·8	+·039	+7·7		—4·30	—79
	Jask .	—·018	+1·4	+1·8	—·007	—3·1	—0·7	—0·01	— 1
Turkey	Baghdad .	+·009	+0·7	+1·3	—·017	+1·1	+0·8	—2·42	—68
Arabia	Muscat .	—·055	+0·7	+1·8	+·049	+1·6	—1·4	—1·96	—95
	Aden .	—·009	—0·8	—0·7	—·001	+2·0	—1·4	—0·61	—100
	Perim .	+·011	—0·4	—0·8	—·003	+0·7	—3·9	+0·10	+17
Indian Hill Stations	Quetta	0·0	—0·[illegible]	+1·5	+·013	+6·4	0	+0·78	+18
	Leh .	+·040	+3·3	+1·4	+·005	—5·5	—1·0	—0·58	—88
	Murree .	+·021	—0·4	—1·2	+·001	—4·6	—1·6	—1·26	—17
	Simla .	+·037	+2·7	+2·5	—·017	—8·4	—0·5	—3·22	—56
	Chakrata .	+·024	+2·0	+1·5	—·013	—10·2	—1·0	—1·46	—18
	Ranikhet .	+0·3	+1·8	+2·4	—·033	—12·1	—0·5	—3·27	—66

In the following table are given the departures from normal of the excess of pressure at certain stations in the plains above that at corresponding stations in the hills: this

amount with its sign reversed has frequently been called the "vertical pressure anomaly."

Pair of Station.	Departure from normal of vertical pressure differences.				
	November 1903.	December 1903.	January 1904.	February 1904.	Mean of period, November 1903 to February 1904.
	"	"	"	"	"
Lahore and Leh	+·013	—·011	+·060	—·112	—·013
Jacobabad and Quetta	—·016	—·043	—·030	—·075	—·041
Peshawar and Murree	—·008	—·022	+·024	—·048	—·014
Ludhiana and Simla	—·006	—·008	+·004	—·041	—·013
Roorkee and Chakrata	+·002	—·001	+·003	—·025	—·005
Bareilly and Ranikhet	—·013	—·012	—·009	—·026	—·015
Deesa and Mount Abu	+·010	+·005	—·002	—·022	—·002

The above table shows that during the month of January when snowfall and rain in north-west India were in slight excess, the vertical gradients were steeper than usual while in February, which was singularly free from disturbances, these pressure differences were in defect. This result is in agreement with past experience as stated at length in the Annual Summary for 1903, pages 650 and 651 and for 1902, page 679, as well as in pages 863 and 864 of "An account of the more important cold weather storms in India during the years 1876 to 1891," Vol IV, Part VIII of the Indian Meteorological Memoirs.

The following table gives comparative data for the cold weather periods of the years 1876 to 1904 for the area including the Punjab, Rajputana, the United Provinces and Bihar:—

Cold weather period of year.	Departure from normal in north-western India and Bihar of				
	Pressure	Temperature.	Humidity.	Cloud.	Rainfall.
	"	°			"
1876	—·044	+0·5	?	—0·7	—1·08
1877	+·062	—1·7	+13	+1·0	+2·45
1878	+·034	—0·2	+ 4	+0·5	—0·04
1879	—·014	+1·8	— 8	—0·8	—0·96
1880	—·029	—0·2	0	—0·1	—0·19
1881	+·027	+2·2	— 4	—0·5	—0·91
1882	+·004	+0·7	+ 1	—0·1	—0·11
1883	—·001	—1·0	0	+0·2	+0·78
1884	+·014	+1·0	— 2	—0·3	—0·89
1885	+·019	—1·6	+ 1	+0·3	+0·14
1886	+·005	—0·6	+ 1	+0·3	—0·28
1887	—·040	—0·3	— 2	+0·1	—0·15
1888	+·025	—1·0	+ 3	+0·8	+0·23
1889	+·020	+1·4	+ 4	+0·8	+1·74
1890	—·029	+2·6	— 8	—0·5	—1·04
1891	+·025	—0·5	+ 6	+0·4	+0·70
1892	—·031	+2·5	— 2	—0·2	—0·37
1893	—·008	—4·2	+11	+1·4	+2·04
1894	+·002	+0·6	+10	+1·3	+0·92
1895	+·004	+0·8	+ 5	—0·2	+0·43
1896	—·013	+2·0	— 3	—0·5	—0·72
1897	—·018	+1·2	— 2	—0·4	—0·12
1898	—·037	+1·1	— 1	—1·0	+1·22
1899	—·024	—0·5	— 6	—0·9	—0·51
1900	—·012	+0·7	— 4	+0·7	+0·59
1901	+·027	—1·5	+ 6	+0·5	+1·38
1902	+·024	+2·7	—14	—1·6	—1·13
1903	+·038	+0·2	— 6	—0·8	—0·85
1904	+·010	+0·6	— 2	—0·7	—0·62

II.—The Hot Weather period, March to May 1904.—As in the year 1903, winter conditions in north-western India were prolonged into March and weather there was more disturbed than usual. Accordingly snowfall in the mountain regions to the north and west of the Punjab was heavier than the average and rain in the whole of north-west India and Baluchistan was in marked excess: in Afghanistan and Persia, however, there appears to have been somewhat less rain than usual. If March be, from the point of view of the winter rains, regarded as included in the cold weather period, the estimate of the season would be materially altered. Rainfall in the Punjab would then be 82 per cent. in excess instead of 20 per cent. in defect, while the defect in the United Provinces would become 35 per cent. instead of 71 per cent. The figures are shown in the following table:—

Month.	Punjab.				United Provinces of Agra and Oudh.			
	Actual rainfall 1904.	Normal rainfall.	Departure from normal.	Percentage departure from normal.	Actual rainfall 1904.	Normal rainfall.	Departure from normal.	Percentage departure from normal.
	"	"	"		"	"	"	
January	1·61	1·10	+0·51	+ 46	0·34	0·80	—0·46	— 58
February	0·05	0·98	—0·93	— 95	0·06	0·57	—0·51	— 89
March	3·73	0·88	+2·85	+324	0·72	0·36	+0·36	+100

The inclusion of March in the cold weather period would, as in the previous year, improve the agreement between the precipitation and the vertical pressure gradients, some of which were positive in November and most in March.

The chief characteristics of the period, March to May, 1904 are exhibited in the table appended :—

Meteorological Province.	Departure from normal during hot weather period, March to May 1904.							
	Mean pressure.	Mean maximum temperature.	Mean minimum temperature.	Mean aqueous vapour pressure.	Mean humidity.	Mean cloud.	Total rainfall.	Percentage departure of rainfall.
	"	°	°	"			"	
Burma coast and Bay Islands.	—·006	—1·5	+0·3	—·010	+0·5	—0·5	—2·06	— 11
Burma Inland .	0	—1·7	—0·2	+·012	+1·1	—0·4	—0·98	— 14
Assam . .	—·026	—1·6	—0·6	+·002	+1·8	+0·4	+8·23	+ 32
Bengal and Orissa.	—·025	—0·5	—0·1	—·016	—0·4	0	+3·59	+ 31
Gangetic Plain and Chota Nagpur.	—·029	—1·2	0	+·024	+4·2	—0·2	+1·22	+ 47
Upper Sub-Himalayas.	—·035	—1·6	+0·8	+·021	+4·1	—0·1	+2·19	+ 99
Indus-Valley and North-West Rajputana.	—·031	—0·7	+1·0	+·017	+2·9	—0·4	+1·71	+133
East Rajputana, Central India and Gujarat.	—·019	—1·1	+0·6	+·038	+6·4	—0·3	+0·74	+132
Deccan . .	—·016	—0·1	0	—·032	—0·4	—0·6	—0·36	— 20
West Coast .	—·008	—0·8	—0·3	—·018	—0·6	—0·3	—1·82	— 24
South India .	—·014	—0·5	—0·5	—·002	+2·0	—0·5	+1·30	+ 32
Whole India .	—·019	—1·0	+0·1	+·003	+2·0	—0·3	+1·25	+ 17

The rainfall of the period has been given in greater detail in the table on pages 519 and 520, which is based on the returns of all the rain-recording stations. It will be noticed that, as in the cold weather period maximum temperature in Burma was in defect although the rainfall was below normal. In Assam and Bengal owing to the heaviness of the rain both day and night temperatures were in defect; in north-west India the large excess of rainfall caused a fall in the day temperature and a rise in that at night; while in Gangetic Plain and Chota Nagpur an intermediate result was produced, maximum temperature being in defect while minimum was normal. The relationships of these successive results with the decreasing amount of humidity from Assam to the Punjab are such as might be expected. In south India precipitation was in large excess, and as in Assam the effect was seen in a lowering of both day and night temperatures.

Pressure was in largest defect in the sub-Himalayan areas from the Punjab to Assam in spite of the excessive precipitation in upper India: on the other hand the association of low pressure in Bengal and Assam with heavy rain is usual at this time of year. Pressure was highest in Burma and the west coast.

As has previously been pointed out (see the "Annual Summary" for 1900, 1902 and 1903) it is usual for years of scanty winter precipitation to be followed by drier and hotter weather than usual in upper India and an unusually wet period in Bengal and Assam. But as in 1903 the high temperature conditions in upper India have not been very strongly marked when compared with six years selected for the deficiency of their cold weather precipitation :—

Year.	Departure from normal of mean temperature.			
	April.		May.	
	Extra-tropical India.	Punjab, Sind and Rajputana.	Extra-tropical India.	Punjab Sind and Rajputana.
	°	°	°	°
1879	+0·7	+2·1	+2·1	+2·5
1887	+0·3	+2·4	+2·0	+3·7
1890	+1·1	+2·0	+1·1	+1·8
1892	+4·3	+6·6	+2·5	+2·7
1899	—0·7	+0·8	+2·1	+3·3
1902	+0·2	+1·6	+1·0	+1·5
Mean	+1·0	+2·6	+1·8	+2·6
1904	+0·9	+1·2	—0·4	+1·2

That there is a slight tendency for years of deficient cold winter rains to be followed by abundant precipitation in the extreme north-east of India is illustrated by the data of the six years just quoted, and this characteristic of 1904 is conspicuously shown in the table appended :—

Year.	Percentage departure of hot weather rainfall from normal in		
	Assam.	East Bengal.	North Bengal.
1879	— 3	—55	—10
1887	+ 1	—16	+60
1890	—15	+ 1	—10
1892	+53	+16	+52
1899	— 1	+29	—10
1902	+ 1	+67	+29
Mean	+ 6	+ 7	+19
1904	+29	+51	+47

III.—The South-West Monsoon period, June to September 1904.—The chief characteristics of this period are shown in the following table:—

Meteorological Province.	Departure from normal during south-west monsoon period, June to September 1904.							
	Mean pressure.	Mean maximum temperature.	Mean minimum temperature.	Mean aqueous vapour pressure.	Mean relative humidity.	Mean cloud amount.	Total rainfall.	Percentage departure of rainfall.
	"	°	°	"			"	
Burma	—·016	—1·5	—0·4	—·001	+1	0	+14·88	+16
Assam	—·028	+0·4	—0·2	+·004	—2	—1·2	—1·83	—3
Bengal	—·024	+0·3	+0·1	—·003	—1	—0·9	—9·13	—16
Orissa	—·019	+0·6	—0·7	—·043	—2	—0·6	+0·58	+1
Bihar	—·015	—0·5	—0·4	+·001	0	—0·9	—1·75	—4
Chota Nagpur	—·020	—0·8	—0·4	—·029	—1	0	+5·52	+12
United Provinces of Agra and Oudh.	—·013	—0·9	—0·4	—·010	0	—0·6	+0·26	+1
Punjab	—·015	+0·9	+1·5	—·036	—4	—0·6	—4·48	—30
North-West Frontier Province.	—·021	+0·8	+0·3	+·007	—2	—0·3	—0·99	—10
Sind	+·006	+1·3	+0·5	—·016	0	—1·2	—4·86	—89
Rajputana	+·005	+0·2	—0·1	—·033	—2	—1·3	—0·82	—5
Gujarat	+·019	+1·9	+0·1	—·041	—5	—0·4	—18·75	—57
Central India	—·002	—1·0	—0·2	—·002	+1	+1·0	—0·27	—3
Central Provinces	+·005	—0·5	—0·9	—·038	—2	—0·6	—9·07	—20
Berar	+·016	+0·5	0	—·056	—6	0	—5·12	—18
Hyderabad	+·011	+0·4	+0·2	—·018	—3	—0·9	—5·16	—19
West Coast	+·023	—0·5	0	—·011	0	—0·1	—5·97	—6
Bombay Deccan	+·013	+1·4	—0·1	—·026	—4	—1·1	—7·34	—28
Mysore	+·017	—0·5	—0·6	+·002	+1	+0·1	—2·75	—13
Madras Coast	+·011	+1·1	0	—·012	—3	—0·6	—4·49	—24
Madras Deccan	+·011	+1·3	+0·1	+·025	+1	—2·3	—6·33	—43
South India	+·023	—0·9	—0·2	—·006	0	—0·8	—2·97	—29

The inverse relationships of these temperature departures with the peculiarities of the rainfall distribution are normal in character. It remains to discuss, as far as is possible, the relationships of the rainfall with the conditions over the monsoon region as a whole.

The pre-monsoon data have been printed in pages 7-9 of the pamphlet dated Simla, 26th November, under the title "Copies of monsoon forecasts submitted to Government in June, August and September 1904, and a comparison with the actual rainfall": the most important features were:—

(*a*) In south-east Africa rainfall from September to March was generally above the average and in April and May below it, except in Rhodesia, where April rain was unusually heavy.

(*b*) In Nyassaland the total rainfall from September to May was 10 per cent. in excess. In Uganda the precipitation during April and May was practically normal.

(*c*) In Abyssinia rain was early and the Blue and White Niles had been higher than at the same period during the last three years. Rainfall in north Sudan was defective.

(*d*) Rainfall in the Western equatorial region of the Indian Ocean was at Seychelles 2·73″ in defect in April, and 5·86″ in defect in May. At Zanzibar it was 2·04″ in excess in April and 11·07″ in excess in May.

(*e*) The marine information for the Indian Ocean, the Arabian Sea and the Bay of Bengal was as usual very imperfect. It showed, however, that the South-east trades winds, though progressing normally northwards, had been neither so strong nor so steady as usual in May and the first week of June. This inference was in full agreement with the feebleness of the two advances of humid winds which had hitherto taken place in the Indian seas, as well as with the data of the Seychelles where the air movement was nearly 25 per cent. less than usual during the period 22nd May to 4th June.

(*f*) Pressure departures in April and May were —·02″ and +·05″ at Perth in west Australia, —·004″ and +·006″ at Mauritius, +·011″ and —·007″ at Seychelles, +·014″ and —·001″ at Zanzibar, with —·05″ and ·000″ at Durban. In Siberia the departures of the mean of six representative stations (Tiflis, Tashkend, Omsk, Barnaul, Tomsk and Irkutsk) were +·13″ and —·01″ in these months, the temperature departures being —7°·2 and +0°·7 Fahrenheit.

(*g*) The amount of snowfall at the beginning of June did not appear to be in excess except in Kashmir.

Of these features the unfavourable influence of abnormally heavy premonsoon rainfall in the subequatorial regions was pointed out in the Annual Summary for 1903 (page 658), and the following table contains every case on record in which rainfall in April or May was over two inches in excess at Zanzibar or the Seychelles:—

Year.	Rainfall departure.			
	Zanzibar.		Seychelles.	
	April.	May.	April.	May.
	"	"	"	"
1878	+3·35	—4·21		
1884	—2·77	+3·09		
1889	+9·19	—7·67		
1891	?	+5·37	+5·90	+12·31
1893	+2·19	+1·74	+5·60	—4·24
1897	+6·78	+2·03	—1·53	—3·22
1899	+8·44	+9·09	—3·20	—0·75
1900	+2·18	—0·23	+2·73	—1·74
1901	+5·58	+7·29	+2·96	—1·22
1903	—0·67	—1·62	+10·42	+10·91
1904	+2·04	+11·07	—2·73	—5·86
1905	+18·00	+0·02	—2·81	+3·94

In every case excess of rainfall in May of over two inches at Zanzibar, *i.e.*, in 1884, 1891, 1897, 1899, 1901 and 1904, has been followed by weakness of the Bombay monsoon shown as a rule in June and July, especially in north-west India.

Of previous years that whose distribution of pressure in May resembled most closely the distribution of May 1904 was the year 1902: but although rainfall in June 1902 was like that of June 1904 in its general deficiency the distribution of the precipitation differed materially: the rainfall of July in the two years was, however, closely parallel. The year in which rainfall in June and July was most like that of 1904 was 1888, and the resemblance was striking: of subequatorial rainfall in that year, however, there are no data available. As regards pressure in June and July the charts of 1901, 1891, and 1888 bore the greatest resemblance to 1904 in the order given, and it is interesting to note that the first two years were also years in which Zanzibar rainfall was in large excess in May. It should also be noted that in each of the years 1901, 1891, 1888 a marked recovery occurred in August, and that in 1901 and 1888 rainfall was deficient again in September. Unfortunately the parallelism of 1904 with these years ceased at the end of July and in August 1904 Indian rainfall was in very large defect.

DEPARTURE OF INDIAN RAINFALL EXCLUDING BURMA.

Month.	1888.	1891.	1901.	Mean of three previous columns.	1904.
	"	"	"	"	"
August . . .	+1·67	−0·84	+0·61	+0·48	−2·00
September . .	−1·88	+0·57	−2·03	−1·11	−1·72

In the absence of heavy snowfall to the north and west of India during June and July to explain the difference between 1904 and the three years of comparison it is necessary to examine the extra Indian data, and of those which are available among the most important are the following:—

Year.		Pressure departures.				
		May.	June.	July.	August.	September.
		"	"	"	"	"
1888	Mauritius . .	−·009	−·010	+·021	+·001	−·011
	Zanzibar . .	...	...	...	..	...
	Seychelles . .	...	...	...	...	...
1891	Mauritius . .	+·017	−·006	+·003	+·010	+·025
	Zanzibar . .	+·011	−·042	+·032	+·036	+·012
	Seychelles . .	+·035	+·094	+·132	+·121	+·061
1901	Mauritius . .	−·012	−·009	−·004	−·001	+·022
	Zanzibar . .	−·014	+·025	−·008	+·010	+·034
	Seychelles . .	−·018	+·037	−·024	+·005	+·040
1904	Mauritius . .	+·006	+·062	+·002	+·033	+·043
	Zanzibar . .	−·001	+·040	+·002	+·018	+·041
	Seychelles . .	−·007	+·068	−·017	+·019	+·037

Year.		Sub-equatorial rainfall departures.					
		April.	May.	June.	July.	August.	September.
		"	"	"	"	"	"
1891	Zanzibar .	...	+ 5·37	+2·80	−0·13	−0·56	+0·36
	Seychelles .	+5·90	+12·31	−0·96	+0·89	−1·94	−2·47
1901	Zanzibar .	+5·58	+ 7·29	+0·50	−0·87	−0·50	+1·01
	Seychelles .	+2·96	− 1·22	−1·15	+1·58	−1·47	+7·31
1904	Zanzibar .	+2·04	+11·07	+6·56	−0·01	−1·37	−0·20
	Seychelles .	−2·73	− 5·86	−5·80	−2·23	+1·77	+2·57
	Six Islands	...	...	...	−1·68	+4·27	−0·29

In the case of Six Islands the normal rainfall of Seychelles has been taken as the best available. Of the pressure departures in this table the most striking is the very large excess in June 1904, and in order to estimate the effect of this a numerical analysis has been effected. The influence of Mauritius pressure departures in June upon Indian rainfall in subsequent months has been obtained by the method of least squares. Mauritius pressure has been treated as if it were the only cause at work and it has been assumed that the number of years for which data are available was sufficient to justify treating all other factors as accidental from the point of view of Mauritius pressure. The result of the analysis is that the Mauritius departure of June 1904 and the simultaneously high pressures at Zanzibar and the Seychelles, in as far as they are dependent on the excess of pressure at Mauritius, would, apart from other causes, bring about a deficiency of about an inch in Indian rainfall in each of the succeeding months of the monsoon period, July, August and September.

It would therefore appear probable then that this factor produced at any rate a part of the divergence of 1904 from 1888, 1891 and 1901.

This unfavorably high pressure at Mauritius reappeared in August 1904 and a similar calculation by the method of least squares would give a deficiency in September, owing to this alone, of between half and three quarters of an inch.

The adverse conditions also manifested themselves in August in the excess of 1·77″ of rain at Seychelles and of about 4″ at Six Islands. The following table gives all the cases for which data are available in which the excess of August rainfall was larger than an inch with the departure of rainfall in India, excluding Burma, during August and September:—

Year.	August rainfall departure.		Rainfall departure India (excluding Burma).	
	Zanzibar.	Seychelles.	August.	September.
	"	"	"	"
1876	+2·77	...	−0·76	−0·67
1877	+2·21	...	−1·51	−0·28
1893	+1·43	+4·35	−0·63	+1·13
1894	−0·51	+1·79	−0·10	+0·70
1896	+2·82	+1·09	+1·55	−3·39
1899	+1·13	+0·44	−3·98	−2·80
1903	+1·02	−2·10	+0·86	+0·86
1904	−1·37	+1·77	−2·00	−1·72
1905	+0·91	+3·53	−1·49	0

It will be seen that out of the nine years in the list Indian rainfall was in defect in August in seven cases, the average departure of the nine years being —0·90″ and was in defect in September in five years out of the nine, the average departure being —0·69″. Indian rainfall in September was in excess in three cases out of the nine, one year's departure being zero.

It is natural to look for a relation between Indian rainfall and the winds in the Indian Ocean. As was pointed out in the Annual Summary for 1903 (page 657) the existence of any connection is not obvious and the data for the present year do not lend any support to the natural view that steep gradients in the Indian Ocean and strong winds in the subequatorial region give heavy rain in India :—

Departure of	June.	July.	August.	September.
Pressure difference Mauritius—Zanzibar.	+″·022	″ 0	+″·015	+″·002
Pressure difference Mauritius—Seychelles.	—·006	+·019	+·014	+·006
Pressure difference Zanzibar—India.	+·054	+·015	+·019	+·031
Pressure difference Seychelles—India.	+·082	—·004	+·020	+·027
Wind velocity Seychelles.	+18	+69	+2	—4
Indian rainfall (excluding Burma)	+0·36	—0·81	—2·00	—1·72

The following table gives the wind data necessary for comparing the velocity at the Seychelles with Indian rainfall for different weeks in 1904 and in previous years :—

Week.	Hourly wind velocity in miles.									Average of previous.	1904.	Departure.
	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.	1903.			
1st to 7th May	5·9	5·3	7·1	3·1	5·7	4·9	6·0	7·3	4·4	5·5	4·9	—0·6
8th to 14th "	3·6	8·3	6·4	2·4	4·4	6·3	4·7	6·5	3·2	5·1	6·9	+1·8
15th to 21st "	3·7	10·1	6·2	7·9	7·5	3·4	3·0	7·7	5·1	6·1	6·6	+0·5
22nd to 28th "	6·4	9·4	6·9	7·5	19·5	5·4	9·8	13·9	9·1	9·8	11·2	+1·4
29th May to 4th June	9·9	9·4	4·5	7·5	10·9	8·8	8·4	12·2	10·3	9·1	14·3	+5·2
5th to 11th "	12·9	9·5	7·3	10·8	8·3	9·6	11·5	13·4	10·5	10·4	13·0	+2·6
12th to 18th "	11·6	11·8	7·8	13·7	12·2	9·8	7·0	8·9	13·1	10·7	11·5	+0·8
19th to 25th "	10·3	9·9	9·0	10·3	13·5	8·9	8·3	8·6	11·1	10·0	12·8	+2·8
26 June to 2nd July	13·0	10·7	4·0	13·0	11·7	11·3	7·8	11·1	10·7	10·4	9·9	—0·5
3rd to 9th "	9·7	12·6	11·3	13·9	15·9	9·8	9·4	9·5	14·5	11·8	12·9	+1·1
10th to 16th "	11·3	11·9	10·0	12·2	14·8	13·9	7·1	9·4	11·0	11·3	15·8	+4·5
17th to 23rd "	14·0	12·6	9·2	8·9	13·3	11·3	11·0	10·6	11·1	11·3	14·5	+3·2
24th to 30th "	11·2	11·3	16·8	11·5	14·8	12·4	12·9	15·3	16·5	13·6	15·5	+1·9
31st July to 6th August	13·2	15·8	11·5	12·4	13·0	12·9	11·5	11·8	11·8	12·7	15·0	+2·3
7th to 13th "	11·7	14·0	9·9	12·3	14·2	13·8	15·0	10·2	12·2	12·6	12·3	—0·3
14th to 20th "	16·0	13·7	13·1	14·3	15·1	15·5	15·7	15·7	12·7	14·6	14·5	—0·1
21st to 27th "	14·0	15·5	12·8	12·3	15·8	14·7	15·8	11·5	13·8	14·0	13·5	—0·5
28th August to 3rd September	12·0	16·1	8·9	9·9	12·2	12·2	17·2	12·2	15·8	12·9	14·1	+1·2
4th to 10th "	13·3	10·8	16·7	13·4	15·0	10·7	15·3	14·1	12·5	13·5	12·1	—1·4
11th to 17th "	12·9	13·3	10·9	12·5	12·8	11·5	12·5	13·4	12·4	12·5	9·9	—2·6
18th to 24th "	12·1	12·8	13·0	10·3	7·5	14·3	8·6	8·9	10·9	10·9	12·1	+1·2

IV.—Period of the retreating south-west monsoon, October to December, 1904.—The following table gives the departures from normal of the chief elements for the eleven meteorological provinces :—

Meteorological Province.	Departure from normal during retreating south-west monsoon period, October to December.							
	Mean pressure.	Mean maximum temperature.	Mean minimum temperature.	Mean aqueous vapour pressure.	Mean humidity.	Mean cloud amount.	Total rainfall.	Percentage departure of rainfall.
	"	°	°	"			"	"
Burma Coast and Bay Islands.	+·022	−1·2	+2·	+·001	+2	−0·8	−1·72	−13
Burma Inland . .	+·030	−2·9	0	+·004	+3	+0·5	+2·31	+39
Assam . . .	+·027	−1·2	−1·4	−·015	0	−0·5	+0·40	+7
Bengal and Orissa .	+·026	−0·1	−0·4	−·011	0	+0·3	−2·01	−33
Gangetic Plain and Chota Nagpur.	+·023	−0·3	+0·2	+·013	+3	−0·1	+0·78	+25
Upper Sub-Himalayas	+·020	−1·1	+2·1	+·029	+5	−0·1	+0·90	+80
Indus Valley and North-West Rajputana.	+·013	+0·5	+2·6	+·045	+4	−0·3	+0·14	+36
East Rajputana, Central India and Gujarat.	+·020	+1·1	+1·3	+·012	+1	−0·3	−0·42	−40
Deccan . . .	+·023	+0·6	−0·4	−·029	−3	−0·2	−1·20	−31
West Coast . .	+·025	+0·2	−0·6	−·029	−3	−0·1	−4·50	−41
South India . .	+·029	+1·2	−0·9	−·029	−3	−0·7	−6·96	−43
Whole India . .	+·023	−0·3	+0·2	−·001	+1	−0·2	−1·12	−18

The dominating features of the period were weakness of the retreating south-west monsoon shown especially in the south of the Peninsula, and the early appearance of the cold weather rains in north-west India.

Among the chief extra Indian conditions which may be supposed to affect the abundance of the rainfall of the retreating south-west monsoon are the subequatorial rainfall and the pressure at Mauritius. In connection with the former may be noted the tendency for unfavourable conditions in the western portion of the subequatorial region early in the monsoon period to travel eastward and prove prejudicial to the Bay current later in the year: the following table contains all years in which there has been an excess of rainfall at Zanzibar in May exceeding 1·50″ as well as all years in which there has been an excess of rain in September at Seychelles of more than one inch: it also gives the departure of Indian rainfall in the Peninsula during the period of the retreating monsoon.

Year.	Departure from normal.		
	Zanzibar rainfall.	Seychelles rainfall.	Peninsula rainfall.
	May.	September.	October to December.
	"	"	"
1881	+1·78	Unknown.	−1·91
1884	+3·09	,,	+2·47
1891	+5·37	−2·47	−1·58
1893	+1·74	−0·57	+1·95
1896	+0·66	+2·63	−3·27
1897	+2·03	−2·62	−1·84
1899	+9·09	+6·30	−3·91
1901	+7·29	+7·31	−0·19
1902	+1·90	−2·31	+1·72
1904	+11·07	+2·57	−2·50
1905	+0·02	+7·90	Departure negative.

In view of the usual uncertainty attaching to estimates of rainfall over a large area based on records of a single station it is a remarkable fact that an excess of September rainfall at Seychelles exceeding an inch has, as far as our records go, been preceded by excessive rain at Zanzibar in May on every occasion with the exception of 1905 and in that case the excess at Zanzibar occurred in April, being +18·00″ which is by far the largest on record. The table also shows that out of ten years of excessive rain in May at Zanzibar the rainfall of the retreating monsoon was deficient in seven cases.

Another relationship suggested by the table is that between excessive September rain in the subequatorial region and deficient Indian rain in the following period October to December. The following table contains all years, for which data exist, in which September rainfall at Zanzibar or Seychelles was more than 1·45″ in excess, together with the departures of Indian rainfall.

Table of departures of rainfall.

Year.	September.		Period, October to December.		
	Zanzibar.	Seychelles.	Field of Bay current.	Western half of field of Bay current.	Eastern half of field of Bay current.
	"	"	"	"	"
1876 . . .	+1·48	...	−3·16	−3·63	−2·24
1895 . . .	+3·41	−1·21	−1·15	−0·48	−2·09
1896 . . .	−0·52	+2·63	−2·80	−1·76	−3·35
1897 . . .	+1·47	−2·62	−1·28	−3·31	+1·50
1899 . . .	−0·90	+6·30	−2·80	−4·26	−0·93
1900 . . .	+1·68	−2·02	−2·99	−2·73	−3·27
1901 . . .	+1·01	+7·31	+1·05	−0·52	+3·05
1904 . . .	−0·20	+2·57	−2·00	−3·51	−0·07

Here the western half of the field of the Bay current represents Orissa, the Central Provinces and Berar, Hyderabad, Mysore and Madras; and in the eastern half are included Bengal, Assam and Burma. It will be seen that in each of the eight years there has been a deficiency of rainfall in the western half of the field of the Bay current.

As regards Mauritius pressure in September, the following table contains all cases in which its departure from normal was ·015″ or more :—

Year.	Departure from normal. Mauritius pressure. September.	Monsoon rainfall in Peninsula. October.	October to December.
	″	″	″
1876	+·027	—1·49	—3·63
1877	—·015	+0·49	+1·76
1878	—·030	+1·43	+2·84
1880	+·020	+0·46	+3·62
1881	+·026	—2·36	—1·91
1882	—·019	—1·56	+1·16
1891	+·025	—1·03	—1·58
1892	+·020	+1·78	—0·15
1894	—·031	+1·96	+1·41
1898	—·049	—0·19	+0·33
1899	+·015	—1·19	—3·91
1901	+·022	—1·05	—0·19
1902	—·022	+0·50	+1·72
1904	+·043	—0·19	—2·50

It will be seen that out of fourteen years the October rainfall departure has had the opposite sign from the pressure departure in ten cases and the rainfall of the period the opposite sign in thirteen cases. There is accordingly reason to regard excess of pressure at Mauritius as very decidedly prejudicial, and *vice versa*, and subsequent Indian rainfall during the retreating monsoon period: the relationship is of the same character as that above referred to for rainfall in India during the months June to September.

The year.—The following is a tabular summary of the meteorological data of the year 1904 for the eleven meteorological provinces of India :—

Means of monthly meteorological data for the year 1904.

Province.	Bar. departure from normal. (1)	Maximum. (2)	Departure from normal. (3)	Minimum. (4)	Departure from normal. (5)	Mean between maximum and minimum. (6)	Departure from normal. (7)	Daily range of temperature. (8)	Absolute range. (9)	Rainfall. (10)	Normal rainfall. (11)	Mean of rainfall departures from normal. (12)	Percentage departure of rainfall. (13)
	″	°	°	°	°	°	°	°	°	″	″	″	
Burma Coast and Bay Islands.	+·001	86·6	—1·2	73·3	0	80·0	—0·6	13·3	21·2	152·65	141·37	+17·84*	+13
Burma Inland	+·011	88·2	—2·5	68·6	—0·1	78·4	—1·3	19·5	30·7	48·27	40·05	+4·69*	+12
Assam	—·008	83·0	—0·5	66·1	—0·7	74·6	—0·6	17·0	28·9	99·44	94·07	+5·37	+ 6
Bengal and Orissa	—·007	86·6	—0·1	69·3	—0·3	78·0	—0·2	17·4	29·3	65·82	71·99	—6·16	— 9
Gangetic Plain and Chota Nagpur.	—·006	87·9	—0·5	67·0	—0·3	77·5	—0·4	20·9	33·5	50·51	45·97	+4·54	+10
Upper Sub-Himalayas.	—·006	87·0	—0·6	63·8	+0·9	75·4	+0·2	23·2	38·4	30·59	36·57	—5·75*	—16
Indus Valley and North-Western Rajputana.	—·004	91·9	+0·5	66·5	+0·9	79·3	+0·7	25·4	41·1	7·26	9·99	—2·74	—27
East Rajputana, Central India and Gujarat.	+·007	90·4	+0·3	68·1	+0·6	79·3	+0·4	22·3	35·6	20·54	28·51	—7·26*	—25
Deccan	+·007	90·2	+0·1	67·0	—0·2	78·6	—0·1	23·3	35·4	31·61	40·34	—9·13*	—23
West Coast	+·012	85·9	—0·3	74·3	—0·3	80·1	—0·3	11·7	18·6	96·85	101·74	—4·89	— 5
South India	+·009	90·3	—0·1	71·4	—0·7	80·8	—0·4	18·9	28·4	26·34	36·15	—9·81	—27
Whole India	+·001	88·0	—0·4	68·7	0	78·4	—0·2	19·4	31·0	57·26	58·30	—1·21	— 2

* Columns 10 to 13 are based on the rainfall returns of the 230 meteorological observatories, as all of these are not long enough established to have normals the number of stations whose records are utilised for columns 11, 12 and 13 is less than for column 10. The sum of the figures in columns 11 and 12 of this table will therefore not agree with the figures in column 10.

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APPENDIX.

The following is a brief statement of the hailstorms in 1904, the reports of which were received too late to be given in the storm sections of the Monthly Weather Reviews of the year :—

Day and month.	Area affected by storm.	Hour of occurrence.	Duration of storm.	Direction from which it came.	Size or weight of largest stones.	Character of storm.	Estimate of damage caused by storm.
	North-West Frontier Province.	No information.	No information.	No information.	No information.	No information.	
Apl. 24	Three villages in the Kurram Agency.						Damaged crops necessitating a remission of land revenue to the extent of ₹322.
" 29	Three villages in the Kurram Agency.						
May 18	Five villages in the Kurram Agency.						
" 25	Two villages in the Kurram Agency.						
Sept. 2	One village in the Kurram Agency.						Damaged crops necessitating a remission of land revenue to the extent of ₹848.
14	Five villages in the Kurram Agency.						
Oct. 1	Twenty villages in the Kurram Agency.						
	United Provinces of Agra and Oudh.						
Feb. 29	Moth, Garotha, Man and Jhansi Tahsils of the Jhansi district.				Pigeon's egg.		Damaged crops seriously in several villages.
Mar. 3	Khair and Atrauli Tahsils of the Aligarh district.				No information.		Damaged crops to the extent of 8 to 16 annas
	United Provinces of Agra and Oudh—*concld.*	No information.					
Mar. 4	2,530 acres in Patti Tahsil of the Partabgarh district.		About ½ an hour.	No information.	Pigeon's egg.	No information.	Damaged crops to the extent of 4 to 12 annas.
	Rajputana.						
Feb. 7	Alakheri village of the Tonk State.		One hour.	W	Large Berry.	Severe	Damaged crops severely.
" 11	Malookdas Kheri of the Tonk State.		"	W	"		Ditto
" 12	Arner village of the Tonk State.		"	W & S	"		
" 15	Twelve villages of the Bundi State.		15 minutes.	W	About the size of a berry.	No information.	Crops damaged slightly.
" 15 and 16	Thirteen villages of the Bundi State.		10 minutes.	W	Small berry.		
" 15 to 17	Nineteen villages of the Bundi State.		2 to 10 minutes.	W	Large berry.		
" 28	Ramayedalpat village of the Tonk State.		1 or 2 minutes.	N	Gram		
" 29	Twelve villages of the Tonk State.		One hour.	N W	Egg.	Severe	Damaged crops severely in some villages.
Mar. 1	Seventeen villages of the Tonk State.		30 minutes.	W	Berry.		
" 2	Twenty villages of the Tonk State.		20 to 30 minutes.	From between N & S W	2 chataks in weight	No information.	Damaged crops severely in some villages.
" 3	Twenty-three villages of the Tonk State.		20 minutes.	S W	2 chataks in weight		
" 15	Three villages of the Tonk State.		30 minutes.	W	Large berry.		

TABLE I.—Abstract of Observations taken at 8 A.M. at 230 Stations in India, Burma, etc., in the year 1904.

Table

Abstract of observations taken at 8 A.M.

Number of District.	Meteorological Province or District.	Station.	Elevation of bar cistern above sea-level in feet.	Pressure 8 A.M. in inches. Mean 8 A.M. pressure reduced to 32°.	Departure from normal.	Mean 8 A.M. 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 A.M. 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	23
	I.—Burma Coast and Bay Islands.				+·001							86·6	−1·2	73·3	0	80·1	−0·6	13·3			36·0	21·2
1	Tenasserim and Bay Islands.	Car Nicobar	25	29·864		29·816	30·045	29·757	·288	·135	79·8	86·0		76·3		81·2		9·7	91·7	68·2	23·5	16·7
		Port Blair	61	29·863	+·013	29·855	30·087	29·669	·418	·146	79·5	86·1	−1·3	76·8	−0·2	81·5	−0·8	9·3	93·2	69·6	23·6	16·0
		Mergui	96	29·842	+·009	29·870	30·054	29·686	·368	·165	77·2	87·0	−0·6	72·5	+1·3	79·8	+0·4	14·5	95·6	60·3	35·3	22·7
		Tavoy	26	29·915	−·002	29·872	30·157	29·732	·425	·171	74·9	86·5	−1·4						97·2			
		Moulmein	94	29·814?	−·010	29·847?	30·113	29·599	·514	·186	75·4	87·4	−0·7	71·9	−0·5	79·6	−0·6	15·5	98·9	58·9	40·0	24·2
2	Lower Burma	Rangoon	57	29·856	−·002	29·851	30·173	29·626	·547	·184	75·7	87·6	−1·9	72·9	+0·1	80·3	−0·9	14·7	98·6	59·8	38·8	22·6
		Bassein	27	29·876	+·001	29·841	30·173	29·573?	·605?	·196	76·2	87·2	−0·9	72·9	+0·9	80·1	0	14·2	99·2	56·8	42·4	22·3
		Diamond Island	41	29·862	−·005	29·838	30·155	29·524	·631	·188	79·4	84·0	−1·5	76·2	+1·0	80·1	−0·3	7·8	90·9	67·2	23·7	14·8
5	Arakan	Akyab	20	29·860	−·012	29·823	30·223	29·537	·686	·215	75·5	84·3	−1·4	72·0	−0·2	78·4	−0·8	12·8	92·9	56·6	36·3	21·1
3	Central Burma	Tounoo	183	29·721	+·004	29·852	30·058	29·479	·579	·191	75·7	89·2	−1·0	68·3	−2·3	78·8	−1·7	20·9	103·4	48·6	54·8	30·8
	II.—Burma Inland.				+·011							88·2	−2·5	68·6	−0·1	78·4	−1·3	19·5			56·9	30·7
3	Central Burma	Thayetmyo	130	29·775	+·015	29·848	30·137	29·516	·621	·200	76·2	90·6	−1·3	66·7	?	78·7	?	23·9	105·5	46·0	59·5	33·0
4	Upper Burma	Minbu	*165*	29·733	+·009	29·844	30·103	29·461	·642	·203	75·8	89·9	−2·3	71·1	0	80·6	−1·2	18·8	107·1	50·0	57·1	29·1
		Yamethin	657	29·235	+·004	29·854	29·579	28·989	·590	·197	74·5	89·0	−3·2	69·4	0	79·2	−1·6	19·6	103·3	48·1	55·2	29·8
		Monywa	*280*	29·628		29·847	30·014	29·352	·662	·214	75·1	90·0		70·7		80·4		19·4	105·7	50·6	55·1	30·9
		Mandalay	250	29·638	+·008	29·841	30·002	29·372	·630	·211	76·0	90·4	−2·1	71·0	−0·1	80·7	−1·1	19·3	105·1	48·5	56·6	29·6
		Myitkyiana	458	29·428		29·855	29·822	29·113	·709	·239	71·1	83·2		66·3		74·8		16·9	97·9	40·1	57·8	30·3
		Phamo	*381*	29·517	+·017	29·864	29·911	29·214	·697	·227	69·6	84·3	−2·3	64·7	−0·4	74·5	−1·4	19·6	98·0	40·7	57·3	32·2
4(a)	Burma Hill Stations.	Maymyo	3,[illegible]45								64·7	76·8		57·1		67·0		19·7	90·9	31·6	56·3	31·4
		Lashio	*2,751*								65·5	81·5	−1·2	60·3	+0·3	70·9	−0·5	21·1	95·5	36·1	59·4	32·9
	III.—Assam.				−·008							83·0	−0·5	66·1	−0·7	74·6	−0·6	17·0			53·9	28·9
7	Surma	Silchar	104	29·782	−·005	29·842	30·196	29·381	·815	·245	71·8	85·7	−0·4	67·4	−0·1	76·6	−0·3	18·3	99·1	46·5	52·6	29·9
9	Brahmaputra	Sibsagar	333	29·648	−·011	29·847	29·990	29·204	·786	·261	69·0	81·1	−1·4	65·4	−0·7	73·3	−1·1	15·6	95·7	42·9	52·8	27·5
		Dhubri	115	29·745	−·008	29·819	30·201	29·206	·895	·272	71·2	83·2	+0·2	66·8	−1·4	75·0	−0·5	16·5	98·2	45·8	52·4	28·2
		Gauhati	195	29·686		29·839	30·130	29·205	·925	·275	70·4	84·2		66·1		75·2		18·1	99·5	42·1	57·4	30·1
		Tezpur	252	29·625		29·843	30·049	29·231	·818	·261	69·5	83·0		66·4		74·7		16·6	97·1	45·9	52·1	27·4
		Dibrugarh	353	29·544		29·867	29·958	29·192	·766	·261	68·4	80·9		64·2		72·6		16·7	98·2	41·9	56·3	30·0
	IV.—Bengal and Orissa.				−·007							86·6	−0·1	69·3	−0·3	78·0	−0·2	17·4			56·7	29·3
6	East Bengal	Chittagong	87	29·778	−·014	29·815	30·187	29·397	·790	·256	74·4	84·6	−0·1	69·1	−0·4	76·9	−0·3	15·5	98·0	49·1	48·9	25·4
		Noakhali	43	29·813		29·804	30·227	29·441	·786	·251	75·4	84·5		69·0		76·8		15·5	97·9	45·3	52·6	27·6
		Comilla	36	29·825		29·809	30·247	29·416	·831	·259	73·6	85·9		70·1		78·6		17·1	100·3	45·1	55·2	28·1
		Sirajganj	49	29·809		29·808	30·254	29·330	·924	·271	72·3	85·3		68·3		76·8		17·0	103·9	46·0	57·9	29·8
		Narayanganj	26	29·836	+·003	29·811	30·279	29·380	·899	·272	74·7	86·0	−0·4	70·6	+0·1	78·3	−0·2	15·5	100·6	49·3	51·3	26·8
		Barisal	13	29·842	−·005	29·801	30·283	29·432	·851	·263	76·0	85·8	−0·2	69·7	−0·7	77·8	−0·5	16·1	98·8	47·7	51·1	24·8
		Mymensingh	63	29·803	−·003	29·820	30·23[illegible]	29·324	·914	·266	73·5	85·3	+0·8	69·1	+0·5	77·2	+0·6	16·3	99·7	49·5	50·2	7 1
		Faridpur	46	29·813		29·810	30·262	29·310	·952	·277	73·9	85·6		68·5		77·1		17·1	101·0	46·2	54·8	28·3
10	Deltaic Bengal	Jessore	33	29·813	−·009	29·794	30·280	29·347	·933	·289	75·1	86·8	−0·9	69·5	−0·4	78·2	−0·7	17·4	102·0	44·6	57·4	28·5
		Calcutta	21	29·825	−·006	29·792	30·297	29·366	·931	·286	75·4	87·1	+0·6	70·5	0	78·9	+0·3	16·6	101·5	46·9	54·6	29·2
		Saugor Island	25	29·810	−·013	29·780	30·275	29·229	1·046	·293	77·3	85·7	+0·2	73·7	−0·1	79·7	+0·1	12·1	97·4	49·9	47·5	24·2
		Krishnagar	47	29·803		29·800	30·257	29·368	·889	·287	75·1	88·7		69·5		79·1		19·2	107·1	43·5	63·6	31·6
		Midnapore	149	29·689		29·787	30·164	29·250	·914	·277	75·7	89·7		70·7		80·2		19·0	108·9	48·6	60·3	31·0
11	Central Bengal	Bankura	258	29·516		29·775	29·943	29·021	·922	·271	75·1	89·4		69·8		79·6		19·6	110·1	47·0	62·5	32·0
		Raniganj	33	29·507?		29·802?	29·981	29·[illegible]04	·977	·279	72·9	89·8		68·9		79·3		20·9	111·4	47·2	64·2	32·5

Note 1.—When a query is inserted against any reading or in the returns of any

Note 2.—The data from which divisional means of

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

I.

at 230 stations in India, Burma, etc., in the year 1904.

Wind direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Wind velocity. Mean daily velocity in miles per hour, instrumental errors uncorrected.	Normal (uncorrected.)	Percentage departure from normal.	Mean velocity corrected (where possible).	Hygrometry, 8 A.M. Mean humidity at 8 A.M. of year.	Departure from normal of year.	Mean vapour tension at 8 A.M. of year.	Departure from normal of year.	Cloud. Mean cloud amount at 8 A.M. 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.	Meteorological Province or District.	Number of district.
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52
													86	0	·810	·012	4·9	—0·4				152·65	141·37	+ 17·84		I.—Burma Coast and Bay Islands.		
69	27	60	21	25	39	78	15	5	4·5			4·5	86		·870		7·7		129			93·64			4·04	Car Nicobar‡	Tenasserim and Bay Islands.	1
1	36	71	18	34	16	71	86	33	9·0	7·4	+22	10·1	86	0	·871	—·024	6·0	0	140			1..1·23	117·63	+ 3·60	7·01	Port Blair.		
207	31	10	8	2	19	30	21	37	2·7	1·8	+50	2·4	88	+3	·814	—·002	3·8	—1·5	159	154·20	+ 4·80	185·50	168·37	+17·13	4·35	Mergui.		
312	12		1		8	24	6	3	1·3				90	+3	·782	—·019	3·8	—1·3	162	147·30	+14·70	286·26	209·28	+76·98	11·35	Tavoy.		
240	9	18	5	25	21	35	5	8	2·6	2·8	— 7	2·9	84	—3	·750	—·050	5·5	+0·6	157	140·60	+16·40	207·77	183·92	+23·85	9·18	Moulmein		
74	26	57	23	22	48	52	35	26	5·1	4·4	+16	4·3	88	0	·799	—·006	4·8	—0·2	123	123·10	— 0·10	100·16	96·78	+ 3·38	4·21	Rangoon .	Lower Burma.	2
	47	42	18	31	50	63	54	61	5·5	3·8	+45		88	0	·811	—·006	2·7	?	131	128·50	+ 2·50	112·53	112·00	+ 0·53	4·78	Bassein.		
9	37	86	23	16	15	80	42	58	10·1	7·1	+42	10·1	80	+1	·818	+·001	5·1	—0·3	116	120·44	— 4·44	137·67	116·08	+21·59	7·81	Diamond Island.		
1	103	108	9	66	40	26	2	11	2·5	3·7	—32	2·4	90	+2	·814	+·009	4·4	—0·7	135	118·70	+16·30	187·77	189·20	— 1·43	6·56	Akyab . .	Arakan.	5
174	19	5	3	94	28	12	4	27	7·3	3·0	+140	7·1	84	—2	·768	—·010	5·3	+0·1	119	113·60	+ 5·40	94·01	79·11	+14·90	2·60	Toungoo .	Central Burma.	3
													81	+2	·701	+·003	4·3	—0·6				48·27	40·05	+4·69		II.—Burma Inland.		
1	65	18	23	20	175	18	34	11	4·5	5·1	—12		78	+2	·725	+·017	3·8	—0·4	88	72·50	+15·50	40·31	36·72	+ 3·59	2·39	Thayetmyo* .	Central Burma.	3
49	4	3	2	171	21	11	7	98	6·1			7·3	76	+1	·703	+·001	3·4	0	61	50·50	+10·50	37·83	31·86	+ 5·97	4·50	Minbu .	Upper Burma.	4
80	37	5	1	128	79	2	1	33	8·3			8·8	80	+2	·699	—·003	4·7	?	65	61·20	+ 3·80	34·37	37·56	— 3·19	2·65	Yamethin.		
71	45	2	1	22	107	15	40	62	2·7			2·8	80		·715		4·5		46	44·60	+ 1·40	30·73	28·39	+ 2·34	2·18	Monywa.		
147	29	5		26	141	12		6	4·9			5·0	78	+3	·707	—·003	2·8	—1·5	68	47·50	+20·50	47·38	32·36	+15·02	3·65	Mandalay.		
182	15	51	69	36	8	3	1		1·9			1·7	86		·682		5·0		105			69·48			3·53	Myitkyiana.*		
243	36	34	23	3	11	9	2	4	3·5			4·1	90	+3	·679	+·005	5·6	+0·5	114	99·80	+14·20	77·80	73·38	+ 4·42	4·90	Bhamo*		
122	4	25	30	14	62	77	20	12	2·9				86		·541		4·8		96	90·70	+ 5·30	63·47	58·95	+ 4·52	3·71	Maymyo .	Burma Hill Stations.	1(a)
	23	117	37	40	30	62	19	38	3·0				86	0	·558	—·003	5·7	—1·0	118			75·84	61·28	+14·56	4·24	Lashio.		
													90	0	·693	—·004	5·9	—0·6				99·44	94·07	+5·37		III.—Assam.		
332		2	15	17					0·8	2·7	—70	1·4	87	—1	·714	—·013	4·6	—1·8	157	136·80	+20·20	173·06	124·87	+48·19	5·00	Silchar .	Surma.	7
199	18	101	2	17	4	20		5	2·1	2·4	—13	1·9	95	0	·707	—·004	7·3	+0·2	129	125·00	+ 4·00	93·17	96·21	— 3·04	3·35	Sibsagar .	Brahmaputra.	
26	6	57	184	37	23	25	3	5	5·1	4·7	+ 9	6·0	88	+1	·704	+·006	4·6	—0·3	100	92·50	+ 7·50	75·79	93·28	—17·49	5·78	Dhubri.		
175	45	64	16	19	18	15	7	7	1·9			2·2	90		·698		7·3		94	91·50	+ 2·50	73·18	63·39	+ 9·79	4·00	Gauhati.		
61	7	120	118	17	14	23	4	2	3·5			3·8	90		·680		5·1		114	103·90	+10·10	84·67	71·66	+13·01	5·83	Tezpur.		
112	37	101	62	17	18	9	3	7	1·0			1·0	90		·657		6·2		132	131·80	+ 0·20	96·77	114·99	—18·22	4·08	Dibrugarh.		
													83	0	·735	—·009	3·9	—0·2				65·82	71·99	—6·16		IV.—Bengal and Orissa.		
	23	142	26	112	48	9	4	2	5·6	5·1	+10	5·3	86	—1	·758	—·005	4·4	—0·6	110	96·42	+13·58	92·07	96·52	— 4·45	5·24	Chittagong .	East Bengal.	6
1	50	32	60	66	60	34	31	32	4·2			4·6	86		·782		3·9		125	109·36	+15·64	127·37	113·68	+13·69	4·30	Noakhali.		
95	27	15	24	92	102	4	2	5	4·4			3·7	88		·748		3·3		103	102·25	+ 0·75	86·32	90·24	— 3·92	3·65	Comilla.		
207	7	13	35	40	33	13	9	9	2·0			2·1	90		·746		4·4		82	78·66	+ 3·34	67·09	61·33	+ 5·71	5·16	Sirajganj.		
56	16	36	49	59	45	41	18	46	4·0	4·5	—11	3·4	88	+2	·786	+·008	5·5	+0·2	105	94·08	+10·92	63·48	69·60	— 6·12	2·78	Narayanganj.		
80	26	36	21	38	77	43	15	30	3·1				86	0	·801	—·001	3·8	—1·0	113	97·90	+15·10	74·93	77·60	— 2·67	2·88	Barisal.		
130	3	6	90	92	21	12	2	10	2·8			2·4	86	—2	·732	—·007	?	?	102	104·22	— 2·22	79·11	87·55	— 8·44	5·70	Mymensingh.		
84	37	5	32	66	77	24	11	28	3·6			3·0	87		·757		3·9		92	89·40	+ 2·60	58·07	68·56	—10·49	2·52	Faridpur† .		
194	23	4	25	47	48	18	1	6	2·2	3·2	—31	2·1	85	—1	·773	—·018	4·3	—0·4	85	88·45	— 3·45	72·47	64·02	+ 8·45	4·85	Jessore. .	Deltaic Bengal	10
104	28	16	35	17	43	78	13	32	3·2	4·8	—33		83	0	·762	—·006	4·4	+0·2	82	85·54	— 3·54	63·20	59·55	+ 3·65	6·23	Calcutta.		
11	59	67	17	14	69	86	20	23	13·0	10·7	+21		86	0	·816	—·017	5·1	—0·6	78	81·96	— 3·96	68·90	72·23	— 3·33	3·44	Saugor Island.		
83	19	10	41	53	53	22	42	43	2·6			2·9	81		·740		4·0		68	74·20	— 6·20	39·30	55·12	—15·82	2·86	Krishnagar.		
58	105	19	8	16	91	32	6	29	3·0			2·7	77		·718		2·7		82	78·22	+ 3·78	58·47	61·26	— 2·79	4·93	Midnapore.*		
289	13	7	5	15	5	4	20	8	1·8			2·0	73		·671		2·9		67	77·37	—10·37	54·90	56·43	— 1·53	6·66	Bankura .	Central Bengal	11
248	16	7	21	14	2	5	15	38	2·0				76		·657		3·1		72	72·95	— 0·95	49·44	56·13	— 6·69	2·31	Raniganj.		

station, the data for that station are not utilized in calculating the provincial departures from normal.
the figure columns Nos. 38, 40 and 42 are derived are incomplete.

* Wind observations of 365 days. † Wind observations of 364 days. ‡ Wind observations of 339 days.

Table

Abstract of observations taken at 8 A.M.

Number of District.	Meteorological Province or District.	Station.	Elevation of bar cistern above sea-level in feet.	Pressure 8 A.M. in inches: Mean 8 A.M. pressure reduced to 32°.	Departure from normal.	Mean 8 A.M. 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 A.M. 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	23
11	Central Bengal, —*concld.*	Burdwan	99	29·742	—·010	29·791	30·217	29·292	·925	·285	74·7	89·2	+0·2	70·4	—0·2	79·8	0	18·8	108·8	48·6	60·2	32·0
		Naya Dumka	489	29·341		29·798	29·812	28·880	·932	·276	74·2	87·7		67·6		77·7		20·1	110·1	43·7	66·4	32·7
		Berhampore	67	29·775	—·010	29·793	30·237	29·368	·869	·281	73·9	87·3	—0·5	69·7	+0·1	78·5	—0·2	17·6	106·5	47·9	58·6	29·3
		Rampur Boalia	70	29·775		29·796	30·235	29·343	·892	·281	74·2	86·7		68·8		77·8		18·0	106·5	46·1	60·4	31·3
		Malda	72	29·757		29·782	30·247	29·346	·901	·276	74·0	86·5		68·1		77·3		18·4	107·2	43·5	63·7	31·3
		Bogra	61	29·779	0	29·794	30·225	29·363	·862	·269	71·6	86·3	—0·1	67·8	—0·3	77·1	—0·2	18·5	105·3	45·7	59·6	30·7
12	North Bengal	Dinajpur	123	29·729	—·001	29·810	30·168	29·346	·822	·271	72·7	86·0	—0·1	66·2	—1·0	76·1	—0·6	19·8	103·3	42·9	60·4	32·4
		Rangpur	123	29·745		29·826	30·187	29·346	·841	·272	72·5	84·8		66·3		75·6		18·4	99·4	42·8	56·6	30·7
		Jalpaiguri	284	29·572	—·008	29·825	30·020	29·170	·850	·268	71·2	83·7	0	65·7	—0·3	74·7	—0·1	18·0	96·4	43·5	52·9	28·8
		Cooch Behar	156	29·706		29·824	30·170	29·296	·874	·272	70·9	83·9		67·2		75·6		16·7	96·2	45·5	50·7	28·1
17	North Bihar	Purnea	125	29·722	—·002	29·806	30·199	29·325	·874	·277	71·1	86·8	+0·1	65·6	—0·7	76·3	—0·3	21·2	106·1	39·0	67·1	33·5
14	Orissa	Balasore	50	29·793	—·016	29·786	30·248	29·335	·913	·282	75·4	88·7	0	70·1	—0·4	79·4	—0·2	18·6	109·0	48·4	60·6	30·7
		False Point	21	29·829	—·006	29·792	30·280	29·365	·915	·271	77·1	85·3	—0·6	71·6	—0·5	78·5	—0·6	13·7	99·5	48·5	51·0	26·8
		Cuttack	80	29·767	—·004	29·791	30·233	29·311	·922	·272	75·9	90·5	—0·9	72·0	—0·6	81·3	—0·8	18·5	108·5	51·6	56·9	30·5
		Puri	24	29·833		29·795	30·292	29·404	·888	·268	77·2	84·7		74·1		79·4		10·6	99·7	55·6	44·1	21·2
	V.—Gangetic Plain and Chota Nagpur.				—·006							87·9	—0·5	67·0	—0·3	77·5	—0·4	20·9			65·9	33·5
15	Chota Nagpur	Hazaribagh	2,007	27·814	—·010	29·796	28·225	27·419	·806	·254	71·7	84·7	?	65·3	—0·2	75·0	?	19·4	105·1	43·6	61·5	30·7
		Ranchi	2,128	29·700	—·006	29·803	28·111	27·304	·807	·251	71·2	84·0	—0·5	65·3	+0·1	74·7	—0·2	18·7	103·7	44·2	59·5	30·9
		Daltonganj	*730?*	29·105		29·809	29·597	28·619	·978	·280	72·1	89·7		64·7		77·3		25·0	113·1	37·3	75·8	38·4
		Purulia	*816*	29·010		29·787	29·453	28·549	·904	·267	74·2	89·1		68·0		78·6		21·1	110·2	46·9	63·3	33·4
		Chaibassa	*760*	29·065	—·004	29·791	29·481	28·632	·849	·262	72·6	90·0	—0·5	68·4	—0·5	79·2	—0·5	21·6	110·5	44·4	66·1	34·1
16	South Bihar	Gaya	375	29·459	—·004	29·795	29·957	29·001	·956	·270	74·6	87·2	?	68·5	—0·6	77·8	?	18·8	108·3	44·0	64·3	32·1
		Dehri	351	29·471		29·784	29·972	28·981	·991	·270	74·4	88·9		69·5		79·2		19·4	110·4	47·1	63·3	32·5
		Patna	183	29·657	—·004	29·798	30·155	29·236	·919	·265	73·8	87·4	—0·3	68·5	—0·1	77·9	—0·2	18·9	107·6	43·6	64·0	31·4
		Arrah	190	29·645		29·792	30·135	29·199	·936	·264	73·2	87·0		67·2		77·0		20·0	106·3	43·2	63·1	30·9
		Buxar	239	29·590		29·791	30·086	29·130	·956	·266	73·6	88·0		67·9		78·0		20·1	106·7	43·3	63·4	32·2
17	North Bihar	Bhagalpur	160	29·675		29·791	30·177	29·272	·905	·276	74·8	87·7		67·5		77·6		20·2	108·1	41·6	66·5	33·0
		Darbhanga	166	29·670	—·006	29·795	30·153	29·279	·874	·267	73·0	86·5	+0·6	67·7	—0·9	77·1	—0·2	18·8	104·1	44·3	59·8	30·3
		Muzaffarpur	178	29·662		29·800	30·147	29·260	·887	·261	73·3	86·2		66·7		76·5		19·5	104·7	39·8	64·9	31·6
		Motihari	224	29·624		29·813	30·104	29·223	·881	·278	73·2	86·7		67·0†		77·5†		20·9	103·7	39·1	64·6	33·3
		Chapra	181	29·644		29·784	30·123	29·220	·903	·266	72·9	87·6		67·0		76·8		19·5	106·7	42·8	63·9	31·2
18	United Provinces (East).	Benares	267	29·559	—·006	29·787	30·062	29·107	·956	·262	74·0	89·0	—0·6	66·2	—0·7	77·6	—0·7	22·8	110·1	40·6	69·5	35·7
		Allahabad	309	29·516	—·007	29·787	30·024	29·124	·900	·262	74·2	89·2	—1·0	61·4	+0·5	78·3	—0·2	21·9	111·1	40·6	70·5	34·9
23	United Provinces (East Submontane).	Gorakhpur	257	29·566	—·003	29·786	30·044	29·171	·873	·259	73·5	87·3	—0·7	66·6	—0·7	77·0	—0·7	20·6	106·2	42·1	64·1	33·3
19	South Oudh	Lucknow	368	29·450	—·006	29·787	29·954	29·055	·899	·260	72·8	89·0	—0·7	65·8	+0·3	77·4	—0·2	23·2	110·8	41·6	69·2	36·3
20	North Oudh	Bahraich	401	29·358?	—·011?	29·726*?	29·843	29·014	·829	·258	74·2†	89·9*	—0·2*	67·7*	—0·6*	78·8*	—0·4*	22·2*	107·1	40·6	66·5	36·2
21	United Provinces (Central).	Cawnpore	416	29·405	?	29·786	29·910	28·973	·937	·264	73·3	89·2	—0·8	66·4	0	77·8	—0·4	22·8	110·5	39·0	71·5	36·1
		Mainpuri	516	29·308	?	29·794	29·819	28·914	·905	·262	72·0	89·9	?	65·5	—0·1	77·7	?	24·4	113·2	38·[illegible]	74·6	38·5
	VI.—Upper Sub-Himalayas.				—·006							87·0	—0·6	63·8	+0·9	75·4	+0·2	23·2			75·3	38·4
24	United Provinces (West Submontane).	Bareilly	568	29·237	—·007	29·785	29·736	28·853	·883	·257	70·6	86·9	—0·7	65·0	+0·3	76·0	—0·2	21·8	109·0	38·6	70·4	36·1
		Dehra Dun	2,233	27·588	—·008	29·819	28·013	27·223	·790	·269	65·5	81·0	—0·1	60·3	—0·7	70·7	—0·4	20·7	103·0	37·0	66·0	34·6
		Roorkee	893	28·906	—·004	29·800	29·393	28·500	·893	·280	68·4	85·8	—1·3	62·4	—0·1	74·2	—0·7	22·4	111·2	35·3	75·9	38·0

* Mean of 10 months. † Mean of 11 months.

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

NOTE 1.—When a query is inserted against any reading or in the returns of any

NOTE 2.—The data from which divisional means of

I—*contd.*

at 230 stations in India, Burma, etc., in the year 1904—contd.

Wind direction. Number of winds from									Wind velocity.				Hygrometry, 8 A.M.				Cloud.		Rainfall.									
Calm.	N.	N. E.	E.	S. E.	S.	S. W.	W.	N. W.	Mean daily velocity in miles per hour, instrumental errors uncorrected.	Normal (uncorrected).	Percentage departure from normal.	Mean velocity corrected (where possible).	Mean humidity at 8 A. M. of year.	Departure from normal of year.	Mean vapour-tension at 8 A.M of year.	Departure from normal of year.	Mean cloud amount at 8 A.M. 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.	Meteorological Province or District.	Number of district.
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52
136	33	30	29	17	25	45	22	29	2·7	3·3	−18	2·7	80	+ 4	·726	+·020	4·4	−0·1	72	77·88	− 5·88	44·71	57·06	−12·35	2·70	Burdwan.	Central Bengal—*concld.*	11
215	5	15	38	37	17	13	12	14	2·6			2·9	73		·677		3·8		80	79·60	+ 0·40	53·39	58·65	− 5·26	2·86	Naya Dumka.		
127	24	3	55	30	37	29	25	36	3·1	3·5	−11	2·7	84	− 1	·732	−·011	4·7	0	81	77·22	+ 3·78	57·95	55·13	+ 2·82	4·58	Berhampore.		
278	9	14		19	24	14	6	2	2·1			2·5	82		·730		2·9		69	75·14	− 6·14	53·53	57·62	− 4·09	5·17	Rampur Boalia.		
	54	56	41	66	31	41	21	56	5·7			5·2	81		·715		3·4		66	69·20	− 3·20	39·56	54·18	−14·62	3·11	Malda.		
194	8	18	87	10	27	11	2	9	2·6			2·3	84	0	·692	−·038	3·8	−0·2	78	81·84	− 3·84	56·44	67·14	−10·70	3·10	Bogra.		
	35	94	78	38	35	36	27	23	3·0			2·9	82	− 1	·690	−·004	4·3	+0·1	80	77·09	+ 2·91	54·92	70·99	−16·07	3·82	Dinajpur	North Bengal.	12
158	13	43	75	17	23	13	10	14	1·9			1·9	86		·713		3·3		77	81·61	− 4·61	73·49	84·02	−10·53	3·66	Rangpur.		
20	63	82	86	49	16	7	9	34	1·1			1·3	86	0	·685	−·001	3·2	−0·6	110	99·26	+10·74	105·13	123·20	−18·07	5·38	Jalpaiguri.		
152	6	32	139	24	5	8			1·9			1·9	88		·697		4·6		106	100·59	+5·41	133·77	128·63	+ 5·14	6·30	Cooch Behar.		
116	14	75	52	39	1	14	34	21	3·3	2·4	+38	2·9	83	− 1	·673	−·016	2·3	?	66	70·51	− 4·51	57·46	64·88	− 7·42	4·55	Purnea	North Bihar.	17
53	48	16	5	5	27	115	23	74	4·8			3·5	78	− 5	·714	?	3·7	?	85	81·12	+ 3·88	51·85	64·68	−12·83	2·85	Balasore.	Orissa.	14
15	48	6	11	6	25	93	97	68	9·0	9·1	− 1	9·4	84	− 1	·803	−·023	5·4	+0·2	70	73·74	− 3·74	46·11	65·69	−19·58	3·23	False Point.		
179	1	11	12	3	25	73	55	6	2·9	3·4	−15		79	+ 1	·723	−·016	4·2	−0·1	67	75·61	− 8·61	46·78	59·70	−12·92	2·59	Cuttack.		
81	61	15	1	3	6	136	23	50	13·7			13·3	86		·822		3·8		67	62·68	+ 4·32	44·49	58·14	−13·65	4·53	Puri.		
													73	+ 2	·625	+·004	2·8	−0·2				50·51	45·97	+4·54		V.—Gangetic Plain and Chota Nagpur.		
28	30	12	21	17	49	64	68	77	8·0	6·8	+18	7·1	63	− 2	·503	− 018	4·2	−0·1	84	75·70	+ 8·30	61·29	53·40	+ 7·89	3·07	Hazaribagh	Chota Nagpur.	15
26	36	15	16	17	41	44	62	109	6·1			7·2	63	− 4	·493	−·045	3·6	+0·1	79	81·49	− 2·49	62·31	55·79	+ 6·52	6·15	Ranchi		
243	15	13	22	5	9	21	18	10	4·5			3·6	70		·582		1·9		76	62·52	+13·48	47·73	44·53	+ 3·20	3·85	Daltonganj.		
37	9	23	19	29	16	24	131	78	3·5			4·3	70		·627		2·8		77	75·91	+ 1·09	54·21	52·71	+ 1·50	3·15	Purulia.		
268	3	13	4	4	6	28	57	3	1·4			1·2	77	+ 3	·646	−·012	2·7	−0·9	80	75·30	+ 4·70	62·70	51·29	+11·41	3·91	Chaibassa.		
96	6	59	18	24	49	40	71	3	4·2	2·5	+68	3·3	72	+ 1	·650	+·013	3·2	−0·5	61	57·38	+ 3·62	6 ·22	47·00	+13·22	4·76	Gaya	South Bihar.	16
39	4	4	61	15	86	115	35	7	6·3			5·5	69		·609		3·6	0	53	55·34	− 2·34	46·71	43·20	+ 3·51	4·41	Dehri.		
43	6	27	105	28	31	40	73	13	4·9	3·0	+63	5·5	76	+ 4	·662	+·009	3·5	−0·1	63	55·35	+ 7·65	65·01	48·04	+16·97	4·84	Patna.		
156	3	43	10	50	11	66	15	12	2·7			2·7	76		·627		1·1		60	55·93	+ 5·07	52·58	46·04	+ 6·54	4·05	Arrah.		
13	8	8	113	27	76	91	65	1	6·1			5·7	71		·613		3·3		53	54·74	− 1·74	44·82	41·55	+ 3·27	4·12	Buxar.††		
175	1	42	35	18	14	30	48	5	3·1			2·9	74		·667		2·9		65	60·81	+ 4·19	43·01	49·36	− 6·35	2·41	Bhagalpur.	North Bihar.	17
119	1	11	9	56	6	15	46	22	3·0	3·6	−17	2·6	82	+ 3	·695	+·014	2·6	−0·3	51	58·35	− 7·35	46·35	51·07	− 4·72	6·08	Darbhanga.		
185	2	9	58	50		8	32	22	3·0				82		·709		1·7		56	55·97	+ 0·03	55·62	45·63	+ 9·99	9·96	Muzaffarpur.		
84	6	48	126	14	8	27	38	15	4·5			4·3	80		·678		1·9		53	55·74	− 2·74	51·70	51·66	+0·04	4·47	Motihari.		
43	11	37	112	31	35	67	25	5	3·2			2·9	78		·663		3·3		52	52·29	− 0·29	43·77	40·89	+ 2·88	7·50	Chapra.		
127	6	18	37	45	12	76	26	16	2·4	3·9	−38	2·8	75	+ 1	·658	+·033	3·2	−0·2	50	50·90	−0·90	38·95	40·99	− 2·04	3·33	Benares	United Provinces (East)	18
57	17	27	61	20	12	37	107	28	4·9	4·6	+ 7	4·0	72	+ 5	·619	+·025	3·5	0	49	45·30	+ 3·70	41·31	40·73	+ 0·58	4·86	Allahabad.		
92	35	82	35	14	15	27	43	23	1·6	2·5	−36		76	+ 1	·658	+·016	4·0	?	65	54·10	+10·90	56·90	52·01	+ 4·89	5·45	Gorakhpur	United Provinces (East Submontane)	23
171	11	17	51	25	9	12	41	29	2·2	3·1	−29	2·4	69	− 1	·576	−·016	2·7	−0·6	51	51·00	0	42·59	38·89	+ 3·70	5·44	Lucknow	South Oudh.	19
133	7	9	59	41	3	11	37	31	2·5†	3·8	−34	2·3†	82‖	+ 7	·675‖	+·034	1·5†	?	60	50·40	+ 9·60	47·96	48·91	− 0·95	7·40	Bahraich**	North Oudh.	20
87	20	26	52	20	12	48	76	25	3·8				70	+ 3	·598	+·010	3·1	+0·2	52	43·00	+ 9·00	58·69	35·94	+22·75	5·66	Cawnpore.	United Provinces (Central.)	21
119	19	16	33	31	17	33	60	38	3·6			3·7	67	+ 1	·547	−·007	1·8	?	42	38·10	+ 3·90	26·77	31·76	− 4·99	2·44	Mainpuri.		
													68	+ 2	·513	+·001	2·8	−0·5				30·59	36·57	−5·75		VI.—Upper Sub-Himalaya		
235	2	5	49	9	5	7	44	10	1·9	3·5	−46	1·8	74	+ 2	·580	+·007	2·9	−0·1	48	47·17	+ 0·83	33·31	47·86	−14·55	2·49	Bareilly	United Provinces (West Submontane)	24
254	3	9	7	22	10	15	30	16	1·2	1·8	−33		71	+ 1	·474	−·004	3·8	−0·2	86	80·90	+ 5·10	87·81	89·19	− 1·38	6·32	Dehra Dun.		
175	4	6	13	93	7	7	8	53	3·3	2·5	+32		72	+ 1	·517	−·006	2·6	−0·5	49	49·10	− 0·10	37·25	43·22	− 5·97	4·04	Roorkee.		

station, the data for that station are not utilized in calculating the provincial departures from normal.
the figure columns Nos. 38, 40 and 42 are derived are incomplete.
** Wind observations of 334 days.

‖ Mean of 9 months.

†† Wind observations of 362 days.

Table

Abstract of Observations taken at 8 A.M.

Number of District.	Meteorological Province or District.	Station.	Elevation of barcistern above sea-level in feet.	Pressure 8 A.M. (Mean 8 A.M. pressure reduced to 32°).	Departure from normal.	Mean 8 A.M. 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 A.M. 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	23
22	United Provinces, West.	Meerut	738	29·064	−·009	29·789	29·574	28·637	·937	·280	69·0	87·8	0	64·0	0	75·9	0	23·8	108·7	35·2	73·5	38·4
26	South East Punjab	Delhi	718	29·090	−·008	29·790	29·599	28·639	·960	·277	71·6	87·4	−1·7	67·5	+0·1	77·5	−0·8	19·9	111·2	40·0	71·2	35·2
28	Central Punjab	Lahore	702	29·091	−·012	29·784	29·623	28·649	·974	·324	69·9	89·7	−1·0	64·2	+3·2	76·9	+1·1	25·5	114·9	34·6	80·3	41·5
27	South Punjab	Sirsa	662	29·147	−·002	29·792	29·681	28·725	·956	·314	71·8	91·0	−1·0	65·1	+1·0	78·0	0	26·0	116·3	34·0	82·3	42·3
		Patiala	*818*	28·985		29·793	29·498	28·553	·945	·292	70·4	86·4		63·9		75·1		22·5	108·0	36·0	72·0	37·4
29	Punjab Submontane.	Ludhiana	812	28·986	−·006	29·791	29·499	28·555	·944	·286	69·4	87·1	−1·2	64·6	+0·8	75·9	−0·2	22·6	112·9	36·0	76·9	38·1
		Sialkot	830	28·968	−·003	29·792	29·500	28·524	·976	·307	70·1	88·8	+1·0	65·4	+2·8	77·1	+1·9	23·5	115·9	38·3	77·6	39·7
		Ambala	892	28·911	+·003	29·795	29·416	28·493	·923	·276	69·7	88·4	?						113·4			
		Rawalpindi	1,674	28·137	−·007	29·829	28·630	27·722	·908	·306	67·5	84·8	+0·5	59·5	+2·0	72·2	+1·2	25·3	115·5	33·5	82·0	41·2
	VII.—Indus Valley and North-West Rajputana.				**−·004**							**91·9**	**+0·5**	**66·5**	**+0·9**	**79·3**	**+0·7**	**25·4**			**79·1**	**41·1**
32	North West Frontier Province.	Peshawar	1,110	28·722	−·011	29·846	29·230	28·256	·974	·317	68·5	85·0	−0·7	60·3	+1·1	72·7	+0·2	24·7	116·0	33·4	82·6	40·5
		D. I. Khan	590	29·227	−·014	29·784	29·787	28·717	1·070	·347	70·5	90·3	−0·1	63·5	+1·1	76·9	+0·5	26·7	115·2	32·0	83·2	42·7
31	West Punjab	Khushab	612	29·198	?	29·798	29·748	28·726	1·022	·335	72·2	89·8	+0·3	65·2	+1·5	77·6	+0·9	24·7	116·3	35·4	80·9	41·3
		Montgomery	558	29·244	?	29·783	29·809	28·776	1·033	·343	74·0	91·9	−0·4	65·3	+0·9	78·6	+0·3	26·6	116·8	34·5	82·3	44·3
		Mooltan	420	29·376	−·019	29·772	29·951	28·902	1·049	·347	73·1	93·0	+1·2	67·8	?	80·4	?	25·2	115·9	36·0	79·9	39·7
47	Sind	Jacobabad	186	29·623	−·008	29·775	30·187	29·151	1·026	·332	74·0	97·6	+2·0	66·2	+1·0	81·9	+1·5	31·4	123·0	34·0	89·0	46·9
		Hyderabad	96	29·745	+·003	29·797	30·216	29·334	·882	·312	75·1	94·8	+1·3	68·8	+0·4	81·8	+0·9	26·0	116·2	40·0	76·2	40·4
		Kurrachee	30	29·840	+·003	29·821	30·273	29·401	·872	·293	75·2	87·8	+0·5	70·7	+0·9	79·2	+0·7	17·1	106·9	46·2	60·7	32·7
51	West Rajputana	Bikaner	*771*	29·046	+·001	29·799	29·558	28·652	·906	·310	74·5	92·7	+0·7	69·4	−0·2	81·1	+0·3	23·3	115·4	38·1	77·3	40·1
		Pachpadra	*380*	29·472	+·014	29·818	29·507	29·101	·806	·287	74·1	95·3	+0·6	66·4	+1·6	80·9	+1·1	28·9	116·5	36·0	80·5	43·8
		Jodhpur	782	29·065		29·844	29·518	28·703	·815	·289	73·7	93·1		68·2		80·7		24·9	113·3	36·1	77·2	40·1
	VIII.—East Rajputana, Central India and Gujarat.				**+·007**							**90·4**	**+0·3**	**68·1**	**+0·6**	**79·3**	**+0·4**	**22·5**			**67·8**	**35·6**
50	East Rajputana	Jaipur	1,431	28·418	+·002	29·836	28·877	28·060	·817	·270	73·0	90·3	−0·6	65·4	−0·2	77·9	−0·4	24·9	114·2	37·0	77·2	41·2
		Bharatpore	585	29·236		29·797	29·740	28·818	·922	·283	72·0	90·1		69·3†		81·1†		23·6†	114·8	44·2	70·6	31·4†
		Kotah	819	29·009		29·841	29·463	28·616	·847	·282	75·8	91·3		69·8		80·6		21·5	117·1	42·0	75·1	36·1
		Sambhar	1,254	28·585	+·007	29·831	29·051	28·228	·823	·273	71·3	90·5	+0·4	65·0	−0·2	77·8	+0·1	25·4	112·5	36·0	76·5	40·7
		Ajmer	1,611	28·249	+·002	29·853	28·701	27·901	·800	·269	71·3	88·8	−0·1	66·7	+2·1*	77·8	+1·0*	22·1	108·9	39·4	69·5	36·7
		Udaipur	1,925	27·951		29·854	28·338	27·593	·745	·263	72·8	88·5		64·6		76·5		23·9	109·6	39·2	70·4	39·2
46	Kathiawar and Cutch.	Bhuj	395	29·481	+·013	29·834	29·851	29·116	·735	·259	76·6	91·6	+0·2	69·7	+1·0	80·8	+0·6	21·9	110·3	46·0	64·3	35·0
		Jamnagar	61	29·823		29·825	30·162	29·444	·718	·252	76·0	90·6		68·9		79·7		21·7	106·2	43·7	62·5	33·6
		Rajkot	429	29·467	+·003	29·835	29·758	29·067	·691	·236	74·5	93·8	+0·8	66·5	+0·4	80·2	+0·6	27·3	111·4	40·6	70·8	40·0
		Veraval	*18*	29·881	+·011	29·841	30·172	29·512	·660	·226	75·8	84·5	−0·6	71·4	+0·4	78·0	−0·1	13·1	104·7	51·3	53·4	24·7
		Dwarka	37	29·854		29·838	30·180	29·491	·689	·245	77·4	84·1		72·7		78·4		11·4	97·9	50·6	47·3	21·4
		Bhavnagar Para	55	29·849	?	29·848	30·168	29·461	·707	·247	76·4	94·9	+1·9	59·5	?	82·2	?	25·4	113·2	45·0	68·2	37·0
49	Central India	Nowgong	757	29·070	?	29·803	29·554	28·521	1·033	·279	71·5	87·7	?	65·7	+0·1	76·7	?	22·0	114·5	39·0	75·5	36·7
		Indore	1,823	28·058	+·020	29·860	28·399	27·686	·713	·250	72·4	88·8	+0·8	63·6	−0·1	76·2	+0·3	25·2	110·1	41·1	69·0	39·1
		Neemuch	1,630	28·242	+·010	29·860	28·632	27·880	·752	·262	71·7	88·9	0	64·4	−0·2	76·7	−0·1	24·5	112·1	41·3	70·8	39·2
45	Gujarat East	Surat	39	29·869	+·014	29·853	30·170	29·487	·683	·238	77·5	91·7	+0·3	70·7	+1·3	81·2	+0·8	21·0	106·1	49·7	56·4	33·0
		Ahmedabad	163	29·722	+·003	29·836	30·063	29·299	·764	·253	77·9	95·9	+1·9	71·2	+0·5	83·6	+1·2	24·6	113·3	49·3	64·0	35·6
		Deesa	466	29·406	+·004	29·834	29·761	29·033	·728	·263	75·7	96·5	+2·7	67·9	+0·2	82·2	+1·3	28·6	115·1	42·5	72·6	41·7
22	United Provinces, West.	Agra	555	29·260	?	29·791	29·769	28·830?	·939	·261	72·8	89·0	−1·8	68·1	+0·5	78·6	−0·7	20·9	112·0	39·9	72·1	34·9
	U. P., Central	Jhansi	858	28·982	−·004	29·813	29·475	28·482	·993	·279	75·0	90·9	−0·3	70·1	+1·1	80·5	−0·4	20·8	115·4	46·2	69·2	34·9

* Mean of 11 months. † Mean of 10 months.

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

Note 1.—When a query is inserted against any reading or in the returns of any

Note 2.—The data from which divisional means of

I—*contd.*

at 230 stations in India, Burma, etc., in the year 1904—contd.

Wind direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Wind velocity. Mean daily velocity in miles per hour, instrumental errors uncorrected.	Normal (uncorrected).	Percentage departure from normal.	Mean velocity corrected (where possible.)	Hygrometry 8 A.M. Mean humidity at 8 A.M. of year.	Departure from normal of year.	Mean vapour tension at 8 A.M. of year.	Departure from normal of year.	Cloud. Mean cloud amount at 8 A.M. 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.	Heaviest rainfall during year.	Station.	Meteorological Province or District.	Number of District.
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52
186	9	12	42	19	3	11	61	23	1·3	2·2	−41	1·3	68	+2	·520	+·013	3·1	+0·1	42	37·00	+ 5·00	32·51	32·07	+ 0·44	4·04	Meerut	United Provinces, West.	22
72	12	14	33	49	15	13	118	60	4·1	3·6	+22	3·9*	61	+3	·500	+·010	3·3	−0·1	39	37·10	+ 1·90	30·42	28·09	+ 2·33	6·95	Delhi	South-East Punjab.	26
138	22	17	37	69	22	6	26	29	2·8	2·5	+12		70	+5	·537	+·034	2·2	−0·5	24	22·90	+ 1·10	12·18	20·10	− 7·92	2·33	Lahore	Central Punjab.	28
107	17	21	30	42	22	70	30	26	4·1*	3·6	+14	3·6*	62	+3	·508	+·021	1·7	−1·4	18	23·40	− 5·40	9·51	14·43	− 4·92	1·81	Sirsa*	South Punjab.	27
25	43	20	43	99	18	12	30	76	5·4			5·5	69		·537		2·7		41			28·00			2·22	Patiala.		
178	8	17	4	91	8	4	31	31	2·1	1·5	+40	1·9	68	0	·498	−·018	2·2	−1·4	34	32·70	+ 1·30	19·84	28·67	− 8·83	2·45	Ludhiana	Punjab (Submontane).	29
133	30	56	69	23	9	4	17	25	2·1	1·8	+17		66	0	·509	−·001	2·1	−0·4	38	40·70	− 2·70	23·45	31·75	− 8·30	2·50	Sialkot.		
373		3	6	43	1		3	37	2·8				71	?	·539	−·018	3·1	?	43	36·90	+ 6·10	22·51	32·96	− 10·45	1·92	Umballa.		
259	10	20	19	18	10	6	8	15	3·2	2·0	+60	3·0	62	?	·434	−·026	3·4	+0·2	41	47·30	− 6·30	30·28	33·98	− 3·70	2·90	Rawalpindi*		
													59	0	·516	+·003	2·0	−0·5				7·26	9·99	−2·74		VII.—Indus Valley and North-West Rajputana.		
253	20	11	7	5	20	13	16	21	1·5	3·4	−56	1·7	63	0	·462	+·007	3·2	+0·2	31	23·80	+ 7·20	15·64	13·09	+ 2·55	1·77	Peshawar	North West Frontier Province.	32
234	28	54	2	16	5	2	2	23	1·4	1·8	−22	1·4	67	+3	·553	+·037	2·0	0	18	17·60	+ 0·40	10·04	8·51	+ 1·53	1·54	D. I. Khan.		
69	30	114	65	13	14	28	15	18	6·8			6·5	56	+1	·465	+·017	2·1	−0·1	30	18·00	+12·00	14·68	14·12	+ 0·56	1·19	Khushâb	West Punjab.	31
48	30	35	33	68	53	51	16	28	7·4			6·9	50	−5	·420	?	1·8	−0·4	19	16·10	+ 2·90	6·40	10·25	− 3·85	0·87	Montgomery.		
176	31	19	3	40	28	53	2	13	1·3	2·5	−48	1·5	60	0	·513	−·002	1·3	−0·4	7	12·40	− 5·40	4·70	7·30	− 2·60	1·22	Mooltan.*		
139	28	15	57	65	42	2	8	20	3·5	3·4	+3	3·6	62	+7	·598	?	1·2	−0·8	5	8·20	− 3·20	2·68	3·78	− 1·10	1·27	Jacobabad	Sind.	47
21	46	9		11	15	189	13	62	10·0	10·1	+1	9·7	57	−1	532	+·003	1·2	−1·5	4	9·70	− 5·70	1·44	6·90	− 5·46	0·50	Hyderabad		
45	21	59	18	8	1	29	158	27	11·0	13·3	−17	10·0	71	−2	·656	−·022	2·8	−0·8	7	9·30	− 2·30	4·62	8·26	− 3·64	1·11	Kurrachee.		
31	6	24	31	41	66	105	47	15	7·4	4·8	+54		52	−1	·480	−·019	1·8	−0·8	16	18·80	− 2·80	8·48	11·29	− 2·81	1·63	Bikaner	West Rajputana.	5
23	20	50	45	20	58	112	22	16	9·4	5·8	+62	8·2	59	−3	·551	+·001	1·3	?	12	19·10	− 7·10	4·07	13·30	− 9·23	0·48	Pachpadra.		
51	35	70	22	4	11	104	62	7	6·2			5·6	50		·448		3·0		14	20·30	− 6·30	7·08	13·14	− 6·06	1·26	Jodhpur.		
													64	+1	·569	−·002	2·8	−0·3				20·54	28·51	−7·26		VIII.—East Rajputana, Central India and Gujarat.		
92	28	46	16	5	6	42	79	52	4·2	5·1	−18		56	−2	·470	−·024	2·9	−0·3	38	37·80	+ 0·20	24·81	26·05	− 1·24	3·18	Jaipur	East Rajputana	0
130	3	3	29	14	5	23	136	22	3·3			3·0	71		·598		2·6		53			38·09			4·70	Bharatpore*		
112	24	10	10	9	3	55	91	52	4·3			3·5	53		·470		2·1		37	37·60	− 0·60	34·37	29·92	+ 4·45	5·25	Kotah.		
149	27	20	19	2	3	6	96	39	6·0	6·7	−10		59	+2	·475	−·005	2·5	−0·4	36	31·30	+ 4·70	18·19	20·74	− 2·55	1·96	Sambhar		
123	8	28	1	13	6	54	108	25	5·5	4·3	+28	4·9	63	0	509	+·007	2·8	+0·1	39	32·60	+ 6·40	16·80	21·80	− 5·00	1·90	Ajmer.		
205	9	3	3	3	4	52	64	22	4·4			3·9	54		·453		2·3		32	34·10	− 2·10	19·05			1·96	Udaipur.*		
11	11	27	8	14	5	124	86	80	13·4	10·2	+31	11·2	70	+6	·672	?	1·9	−1·0	9	16·10	− 7·10	5·28	14·52	− 9·24	1·97	Bhuj	Kathiawar and Cutch.	46
	11	33	35	20	63	123	75	5	15·8			19·1	68		·645		2·8		8			10·77			3·77	Jamnagar*		
40	15	28	32	9	12	56	105	29	9·1	9·2	− 1	9·0	66	−1	·599	−·025	3·0	0	12	30·90	−18·90	13·20	28·13	−15·93	4·36	Rajkot.		
2	89	57	3	7	12	58	94	44	11·1	7·9	+41	11·1	73	+3	·671	+·005	3·2	−0·7	11	29·20	−18·20	6·93	18·24	−11·31	3·35	Veraval.		
	55	45	14	6	9	103	91	43	14·4				79		·768		3·2		3			2·97			1·82	Dwarka.		
8	26	9	1	5	4	130	63	120	7·4			8·5	57	?	·552	?	3·2	−0·1	13	34·70	−21·70	12·88	19·76	− 6·88	4·13	Bhavnagar Para.		
78	27	9	37	3	18	41	127	26	2·3	2·5	−8	2·3	68	+2	·535	−·010?	3·9	+0·7	48	50·70	− 2·70	58·50	44·96	+13·54	7·32	Nowgong	Central India	49
73	13	44	27	17	9	13	117	53	6·0	4·2	+43	4·3	64	+1	·533	+·010	3·9	+0·5	31	45·30	−14·30	18·80	33·64	−14·84	2·93	Indore.		
38	41	62	8	4	2	99	107	15	9·6	10·1	−5	8·1	67	+9	·550	+·048	2·4	−0·2	31	37·40	− 6·40	20·67	30·08	− 9·41	2·29	Neemuch.		
32	39	33	56	19	57	58	57	15	6·9	9·0	−23	6·5	69	−2	·674	−·006?	3·1	−0·3	21	47·40	−26·40	14·29	44·03	−29·74	2·16	Surat	Gujarat East.	45
1	29	73	33	11	26	99	17	75	2·9			5·1	57	−3	·571	−·011	2·9	−0·7	16	37·20	−21·20	9·60	33·24	−23·64	1·97	Ahmedabad.§		
	25	76	44	22	50	101	36	12	11·0	10·3			53	−3	·510	−·014	2·9	−0·5	9	28·81	−19·81	6·02	24·12	−18·10	1·53	Deesa.		
30	1	39		56		176	1	61	4·8	4·2	+14	5·7	63	+2	·525	−·008	2·6	−0·2	46	35·30	+10·70	34·49	28·42	+ 6·07	2·94	Agra§	United Provinces, West.	22
62	9	15	6	18	19	115	53	69	5·2	3·4	+53	6·3	68	?	·609	?	1·4	−1·0	47	43·90	+ 3·10	45·12	38·51	+ 6·61	3·16	Jhansi	United Provinces, Central.	21

station, the data for that station are not utilized in calculating the provincial departures from normal.
the figure columns Nos. 38, 40 & 42 derived are somewhat are incomplete.

* Wind observations of 365 days.

§ Wind observations of 364 days.

Table

Abstract of observations taken at 8 A.M.

Number of District.	Meteorological Province or District.	Station.	Elevation of bar cistern above sea-level in feet.	Pressure 8 A.M. in inches. Mean 8 A.M. pressure reduced to 32°.	Departure from normal.	Mean 8 A.M. 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 A.M. 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	23
	IX.—Deccan.				+·007							90·2	+0·1	67·0	−0·2	78·6	−0·1	23·3			64·5	35·4
38	Bombay Deccan	Belgaum	2,539	27·383	+·011	29·875	27·622	27·145	·477	·170	70·9	83·8	−0·7	63·4	−0·6	73·6	−0·7	20·4	100·3	50·9	49·4	29·6
		Sholapur	1,590	28·314	+·005	29·867	28·617	28·027	·590	·204	76·1	93·1	+0·1	68·3	+0·3	80·7	+0·2	24·8	110·7	50·1	60·6	35·3
		Poona	1,840	28·077	+·008	29·898	28·349	27·763	·586	·200	70·2	90·1	+0·8	64·7	−0·2	77·4	+0·3	25·5	107·1	46·5	60·6	36·0
		Bijapur	*1,948*	27·961	+·006	29·869	28·250	27·699	·551	·195	74·4	90·6	+0·8	66·0*	−1·1*	78·3*	−0·1*	24·5	106·5	46·6	59·9	35·6*
40	Khandesh	Malegaon	1,430	28·455	?	29·858	28·772	28·086	·686	·239	74·5	92·9	+1·4	65·5	+0·3	79·2	+0·8	27·4	111·8	45·2	68·6	39·3
		Ahmednagar	2,154	27·769	+·016	29·886	28·051	27·454	·597	·212	73·6	89·8	+1·0	64·0	+0·5	76·9	+0·7	25·8	106·4	42·9	63·5	38·0
41	Berar	Akola	930	28·955	+·013	29·848	29·321	28·558	·763	·252	76·0	93·5	+0·6	67·3	+0·1	80·4	+0·4	26·2	115·5	44·4	71·1	39·4
		Amraoti	1,215	28·663	+·017	29·841	29·034	28·281	·753	·247	76·6	92·3	+0·3	69·8	+0·9	81·1	+0·5	22·6	115·0	50·5	64·5	31·7
42	Central Provinces, West.	Khandwa	1,044	28·826	+·003	29·847	29·180	28·440	·740	·263	73·6	93·5	+1·6*	67·2	+0·3	80·3	+0·8*	26·3	118·2	43·6	72·6	40·7
		Hoshangabad	1,006	28·872	+·012	29·860	29·268	28·457	·831	·268	72·7	90·2	−0·2	66·6	−0·3*	78·4	−0·2*	23·6	115·0	44·2	70·8	37·4
		Nagpur	1,025	28·840	+·013	29·837	29·227	28·429	·798	·251	75·2	92·5	+0·4	68·3	−0·5	80·4	−0·1	24·1	116·7	47·7	69·0	36·8
43	Central Provinces, Central.	Chanda	*634*	29·252	+·018	29·842	29·622	28·857	·765	·254	75·5	92·8	0	67·3	−0·7	80·1	−0·4	25·5	116·2	44·6	71·6	38·3
		Seoni	2,033	27·833	+·004	29·837	28·217	27·452	·765	·243	72·5	87·9	+0·1	64·3	−0·6	76·1	−0·3	23·6	111·4	43·5	67·9	36·6
		Jubbulpore	1,327	28·515	−·001	29·828	28·943	28·106	·837	·256	70·4	87·8	−0·7	63·4	−1·1	75·6	−0·9	24·4	112·5	39·4	73·1	38·0
		Saugor	1,807	28·048	+·005	29·832	28·449	27·593	·856	·258	72·6	87·2	−0·8	66·6	+0·5	76·9	−0·2	20·6	111·5	43·1	68·4	34·7
49	Central India	Sutna	1,040	28·783	−·007	29·807	29·251	28·337	·914	·261	72·6	87·3	−0·8	66·8	+1·2	77·1	+0·2	20·5	113·1	41·7	71·4	34·5
44	Central Provinces, East.	Raipur	970	28·877	+·002	29·812	29·295	28·481	·814	·257	75·2	89·3	−1·2	68·0	−1·3	78·7	−1·3	21·3	113·8	47·4	66·4	35·0
		Pendra	2,123	27·806?		29·811?	28·217	27·450	·767	·254	71·5	85·4		64·9		75·2		20·5	109·9	42·0	67·9	33·1
		Sambalpur	486	29·361	−·007	29·804	29·796	28·922	·874	·277	75·4	90·5	−0·5	68·6	−1·4	79·6	−1·0	21·9	113·1	45·2	67·9	34·6
39	Hyderabad, North.	Aurangabad	1,905	27·994		29·854	28·301	27·652	·649	·217	75·5	89·9		65·6		77·7		24·3	109·1	45·2	63·9	36·2
		Indur	1,260	28·613		29·835	28·803	28·301	·502	·158	77·2	91·6		66·9		79·3		24·7	110·8	46·1	64·7	35·8
		Bidar	*2,165*	27·759		29·875	28·054	27·450	·604	·223	75·9	88·6		69·7†		79·4†		19·4†	107·9	54·9	53·0	30·3
53	Hyderabad, South	Gulbarga	1,503	28·399	+·003	29·866	28·677	28·129	·548	·206	75·5	91·9	−0·5	68·2	−0·5	80·1	−0·5	23·7	107·1	49·8	57·3	35·1
		Raichur	1,326	28·577	+·013	29·862	28·891	28·324	·567	·197	77·0	91·9	−0·2	70·9	−0·7	81·4	−0·5	21·0	108·0	52·7	55·3	31·0
		Hyderabad (Dn.)	1,690	28·205	+·007	29·861	28·535	27·886	·649	·223	74·3	90·4	−0·3	68·7	+0·3	79·5	0	21·7	108·9	50·8	58·1	31·9
		Hanumkonda	871	29·003		29·830	29·370	28·659	·711	·250	76·7	91·5		70·9		81·2		20·6	110·7	49·1	61·6	32·7
	X.—West Coast.				+·012							85·9	−0·3	74·3	−0·3	80·1	−0·3	11·7			28·2	18·6
37	Konkan	Bombay	37	29·879	+·005	29·856	30·147	29·469	·678	·213	78·2	86·7	+0·9	75·5	+0·7	81·1	+0·8	11·2	94·5	62·5	32·0	18·4
		Ratnagiri	110	29·814	+·020	29·865	30·071	29·549	·522	·179	78·3	87·0	−0·5	73·0	0	80·0	−0·3	14·0	97·3	60·0	37·3	22·6
		Mormugao	*60*	29·876	+·018	29·871	30·117	29·647	·470	·177	78·0	85·8	−0·7	74·8	−0·3	80·3	−0·5	11·0	92·5	66·3	26·2	17·9
		Goa	199	29·734	+·005	29·872	29·988	29·494	·494	·182	78·8	83·9		76·7	+1·6	80·3		7·2	88·5	69·0	19·5	13·5
		Karwar	44	29·894	+·015	29·872	30·146	29·682	·464	·174	75·8	86·0	−0·3	72·1	−0·6	79·1	−0·5	13·9	91·8	58·5	33·3	22·0
33	Malabar	Cochin	10	29·938	+·008	29·876	30·129	29·760	·369	·133	78·5	87·6	+0·1	74·6	−0·2	81·1	−0·1	13·0	92·3	67·8	24·5	19·0
		Calicut	27	29·922	+·011	29·879	30·121	29·726	·357	·147	77·8	86·3	−0·7	73·8	−0·3	80·1	−0·5	13·4	92·3	63·2	29·1	18·9
		Mangalore†	65	29·884	+·012	29·882	30·078	29·699	·379	·160	78·6	86·0	−1·1	73·6	−0·5	79·8	−0·8	12·4	92·7	63·5	29·2	20·6
		Trivandrum	198	29·742	+·015	29·873	29·914	29·553	·361	·136	77·6	83·7	−0·3	74·6	−0·9	79·2	−0·6	9·1	90·0	67·0	23·0	14·9
	XI.—South India.				+·009							90·3	−0·1	71·4	−0·7	80·8	−0·4	18·9			44·8	28·4
57	Madras, South	Pamban	37	29·898	?	29·862	30·141	29·757	·384	·157	81·4	87·8	?	77·4	?	82·6	?	10·5	95·3	70·2	25·1	17·5
		Tinnevelly	168	29·772	+·018	29·870	30·019	29·587	·432	·148	81·7	94·0	−0·3	75·5	−1·1	84·8	−0·7	18·5	105·5	66·9	38·6	28·2
		Madura	447	29·484	+·020	29·869	29·728	29·294	·434	·156	80·3	93·2	−0·8	73·5	−0·4	83·4	−0·6	19·7	105·0	63·2	41·8	28·0
		Periyakulam	945	28·988			29·226	28·803	·423	·153	76·6	91·8		68·8		79·6		23·0	104·0	56·5	47·5	33·0
34	Madras, South Central.	Salem	940	29·009	+·003	29·899	29·264	28·821	·443	·162	77·3	92·2	−0·8	70·5	−0·2	81·3	−0·5	21·7	104·2	58·3	45·9	30·4
		Coimbatore	1,348	28·584	+·009	29·893	28·836	28·391	·445	·158	74·9	89·6	−0·7	69·0	−0·6	79·3	−0·7	20·6	101·9	55·6	46·3	28·8
35	Coorg	Mercara	3,781	26·250	+·019		26·403	26·095	·308	·134	61·7	76·1	−0·4	59·9	−1·4	68·0	−0·9	16·2	89·0	51·0	38·0	24·2

* Mean of 11 months. † Mean of 10 months.

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

Note 1.—When a query is inserted against any reading or in returns of any

Note 2.—The data from which divisional mean of

I—*contd.*

at 230 stations in India, Burma, etc., in the year 1904—contd.

Wind direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Wind velocity. Mean daily velocity in miles per hour, instrumental error uncorrected.	Normal (uncorrected).	Percentage departure from normal.	Mean velocity corrected (where possible).	Hygrometry 8 A.M. Mean humidity at 8 A.M. of year.	Departure from normal of year.	Mean vapour tension at 8 A.M. of year.	Departure from normal of year.	Cloud. Mean cloud amount at 8 A.M. 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.	Meteorological Province or District.	Number of District.
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52
													62	−1	·533	−·023	3·2	−0·3				31·61	40·34	−9·13		IX.—Deccan.		
105	12	12	43	23	7	59	91	14	12·8	15·7	−18		70	0	·527	−·010	4·3	0	70	83·30	−13·30	47·53	50·13	− 2·60	3·10	Belgaum .	Bombay, Deccan.	38
14	16	48	30	64	1	57	55	81	10·2	8·9	+15	12·3	49	− 6	·444	?	3·5	−0·5	32	42·00	−10·00	22·72	30·98	− 8·26	3·11	Sholapur.		
1	16	15	24	13	12	83	139	48	12·3	10·0	+23		65	+ 2	·499	−·008	3·2	−0·7	25	49·60	−24·60	13·29	27·89	−14·60	1·56	Poona.†		
19	26	30	34	42	36	61	66	52	8·5			8·3	68	− 2	·580	−·024?	3·4	−0·5	28	42·40	−14·40	14·19	24·58	−10·39	2·01	Bijapur.		
21	16	9	1	1	4	47	179	88	9·0	7·2	+25	10·4	56	− 7	·502	?	2·2	?	24	34·90	−10·90	19·52	24·08	− 4·56	3·75	Malegaon .	Khandesh.	40
64	46	22	4	23	11	46	48	102	7·5			9·2	64	− 3	·549	−·015	2·7	−0·6	23	39·60	−16·60	14·27	22·42	− 8·15	2·05	Ahmednagar.		
80	7	24	28	19	6	15	70	117	6·8	5·5	+24	6·3	55	− 3	·497	−·016	3·4	0	36	44·40	−8·40	26·00	34·16	− 8·16	5·18	Akola . .	Berar.	41
3	31	66	56	11	17	48	112	22	7·8	4·7	+66	7·0	58	− 1	·525	−·012	2·9	−0·6	33	46·80	−13·80	25·45	34·63	− 9·18	3·49	Amraoti.		
69	14	37	10	24	8	9	71	124	6·3	5·4	+16	?	56	− 3	·478	−·023	3·1	+0·1	25	42·30	−17·30	18·12	31·35	−13·23	2·85	Khandwa .	Central Provinces, West.	42
9		143	7	6		192		7	2·5	3·0	−17	2·6	63	− 3	·512	−·039	3·0	−0·5	45	56·00	−11·00	33·59	52·08	−18·49	4·32	Hoshangabad.*		
42	105	45	13	8	7	14	81	51	6·1	6·4	− 5	4·8	58	− 3	·509‖	−·044	3·2	−0·7	51	58·60	− 7·60	33·47	49·49	−16·02	3·10	Nagpur.		
230	4	3	9	10	9	23	67	11	2·1	3·7	−43	1·8	64	− 1	·564	−·025	2·5	?	53	61·70	−8·70	31·75	55·75	−24·00	3·10	Chanda . .	Central Provinces, Central.	43
	63	63	18	21	19	53	66	63	6·0	3·9	+54	4·9	62	− 3	·487	−·043	2·6	−0·9	64	71·40	− 7·40	36·44	55·27	−18·83	3·29	Seoni.		
21	11	21	15	66	70	44	84	34	3·4	3·3	− 3	3·0	71	+ 4	·534	−·001	2·8	−0·6	59	63·90	− 4·90	41·82	59·11	−17·29	3·94	Jubbulpore.		
5	9	30	37	27	26	64	114	21	7·6	3·5	+117	6·8	57	− 2	·465	−·030	3·2	+0·2	48	58·10	−10·10	40·12	48·57	− 8·45	11·20	Saugor.		
89	4	5	26	13	11	50	120	48	3·8	6·1	−38	3·5	65	+ 4	·519	+·007	4·5	+1·6	63	54·60	+ 8·40	55·88	45·88	+10·00	4·35	Sutna . .	Central India.	49
86	16	47	34	5	10	127	34	7	5·2	5·6	− 7	6·3	64	+ 1	·559	−·006	3·8	−0·3	56	62·50	− 6·50	47·56	50·65	− 3·09	5·00	Raipur . .	Central Provinces, East.	44
109	51	10	8	15	43	29	23	78	5·2			4·4	63		·485		3·2		74			50·00			4·47	Pendra.		
	18	53	35	67	36	107	34	16	4·8	2·3	+109	4·7	68	− 3	·615	−·044	3·6	−0·3	74	72·00	+ 2·00	62·45	67·39	−4·94	2·73	Sambalpur.		
96	28	37	33	6		26	106	33	11·3			11·2	55		·487		3·0		42	47·40	− 5·40	31·51	30·45	+ 1·06	5·60	Aurangabad.*	Hyderabad, North.	39
181	3	22	2	2		14	1	141	4·8			4·0	59		·553		3·1		40	58·30	−18·30	33·28	39·57	− 6·29	5·85	Indur.		
	33	42	37	31	41	91	61	27	6·6			5·6	65		·581		3·0		49	59·10	−10·10	33·76	39·71	− 5·95	5·35	Bidar.		
62	16	43	61	20	6	18	79	61	9·8			9·4	67	+ 4	·608	?	3·3	−0·5	31	48·70	−17·70	24·36	31·75	− 7·39	4·70	Gulbarga .	Hyderabad, South.	53
30	6	30	30	59	1	96	51	53	1 0·			9·7	62	− 3	·575	−·030	3·2	−0·5	39	44·20	− 5·20	19·76	30·74	−10·98	1·65	Raichur.**		
204		5	7	11		1	128	10	5·1			4·9	68	− 2	·577	−·045	3·3	−0·3	41			22·33	31·56	− 9·23	3·09	Hyderabad (Dn.)		
39	25	3	4	76	62	22	72	63	7·4			6·3	67		·623		2·9		40	51·40	−11·40	22·77			3·34	Hanumkonda.		
													78	−2	·765	−·016	4·4	−0·1				96·85	101·74	−4·89		X.—West Coast.		
4	38	91	56	19	14	37	87	20	10·3	12·2	−16		77	− 1	·764	−·007	4·4	+0·2	47	75·60	−28·60	33·41	75·21	−41·80	3·40	Bombay . .	Konkan.	37
54	36	39	104	31	3	29	52	18	9·6	10·2	− 6	9·5	72	0	·713	−·014	3·8	−0·1	78	93·80	−15·80	96·37	107·35	−10·98	8·78	Ratnagiri.		
45	33	19	57	72	21	4	40	74	8·5				82	−1	·795	−·020	4·0	+0·2	83			94·45	93·43	+ 1·02	7·08	Mormugao.††		
15	42	51	128	14	11	26	40	39	8·4				78	0	·771	−·007	4·6	+0·4	91			111·39	98·43	+12·96	8·70	Goa.		
29	57	81	85	6	7	42	39	10	4·6				80	− 3	·722	−·022	3·8	0	102	105·50	− 3·50	113·12	123·78	−10·66	7·53	Karwar.**		
37	13	121	108	25	7	7	18	20	6·1				71	−10	·792	−·020	4·5	−0·2	112	130·60	−18·60	110·25	115·63	− 5·38	4·27	Cochin . .	Malabar.	33
52	43	86	94	20	5	8	18	40	7·1			7·0	82	− 1	·787	−·015	4·6	−0·2	112	116·10	− 4·10	122·11	115·11	+ 7·00	5·25	Calicut.		
122	13	23	126	13	7	18	25	19	4·3	3·4	+26		79	− 2	·780	−·009	4·7	−0·4	120	117·90	+ 2·10	130·74	123·94	+ 6·80	6·64	Mangalore.		
82	81	41	34	3			13	112	5·7				79	− 3	·762	−·032	5·0	−0·5	90	92·90	− 2·90	59·83	62·78	− 2·95	2·98	Trivandrum.		
													75	0	·715	−·005	4·3	−0·4				26·34	36·15	−9·81		XI.—South India.		
40	39	47	33	23	38	68	51	27	13·4			13·7	81		·860		5·5		29	42·70	−13·70	19·08	38·97	−19·89	2·71	Pamban . .	Madras, South	57
	91	23	3	8	16	40	85	100	5·6			5·3	65	− 4	·710	−·032	4·6	−0·1	27	41·40	−14·40	18·39	28·63	−10·24	3·15	Tinnevelly.		
38	50	92	10	1	4	20	42	108	5·7	4·2	+36	6·5	70	0	·733	−·003	3·6	−0·6	41	50·20	− 9·20	24·78	33·30	−8·52	2·66	Madura.††		
199	40	23	14	17	24	22	9	18	2·9			3·1	72		·660		3·9		55	48·30	+ 7·70	23·08	28·86	− 5·78	2·25	Periyakulam.		
87	6	35	54	5	24	61	77	17	4·4	4·4	0	3·8	76	0	·725	−·004	4·4	0	55	59·50	− 4·50	34·48	40·50	−6·02	3·00	Salem . .	Madras, South, Central.	34
28	13	44	74	4	31	105	64	3	5·4	4·8	+13	4·9	84	+ 1	·742	+·009	3·8	−0·9	37	43·50	− 6·80	18·05	20·90	− 2·85	2·05	Coimbatore.		
27	67	86	30	1		5	105	45	6·0	5·8	+ 3	5·6	87	+ 4	·542	+·006	6·0	+0·1	128	134·70	− 6·70	126·17	125·94	+ 0·23	5·85	Mercara . .	Coorg.	35

station, the data for that station are not utilized in calculating the provincial departures from normal.
of the figure columns Nos. 38, 40 and 42 are derived are somewhat incomplete.

† Wind observations of 351 days. ‖ Wind observations of 333 days. * Wind observations of 364 days.
** „ „ 356 „ †† „ „ 365 „

Table

Abstract of observations taken at 8 A. M.

Number of District.	Meteorological Province or District.	Station.	Elevation of bar cistern above sea-level in feet.	Pressure 8 A.M. in inches. Mean 8 A.M. pressure reduced to 32°.	Departure from normal.	Mean 8 A.M. 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 A.M. 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	23
36	Mysore	Chitaldroog	2,405	27·534	+·010	29·886	27·786	27·233	·453	·168	73·1	86·4	−0·1	66·3	−0·8	76·4	−0·5	20·1	100·2	55·4	44·8	28·9
		Bangalore	3,021	26·951	+·004	29·909	27·161	26·779	·382	·152	69·5	84·2	0	63·2	−0·9	73·7	−0·5	21·0	97·3	51·9	45·4	29·6
		Hassan	3,091	26·894	+·011	29·914	27·106	26·713	·393	·154	70·0	83·5	+0·8	61·2	−1·0	72·4	−0·1	22·3	94·0	46·5	47·5	31·2
		Mysore	2,518	27·446	+·008	29·917	27·657	27·271	·386	·150	71·6	86·2	−0·2	64·5	−1·2	75·4	−0·7	21·7	99·9	53·4	46·5	30·3
56	Madras, East Coast, South.	Negapatam	31	29·884	+·002	29·844	30·132	29·695	·437	·159	81·8	90·8	+0·9	76·4	P	83·6	P	14·4	103·2	65·5	37·8	22·9
		Cuddalore	12	29·910	+·015	29·851	30·192	29·701	·491	·171	80·3	91·1	+0·6	74·1	−0·1	82·6	+0·3	17·0	102·2	61·7	40·5	25·7
		Trichinopoly	255	29·677	+·013	29·866	29·937	29·492	·445	·156	79·9	94·0	−0·4	73·6	−0·5	83·8	−0·5	20·4	108·2	64·9	46·3	29·0
		Madras	22	29·894	+·006	29·847	30·209	29·670	·539	·184	81·0	91·4	+0·5	74·4	−0·4	82·9	+0·1	17·0	103·5	61·0	42·5	26·5
		Vellore	707	29·208		29·863	29·512	28·989	·523	·184	77·6	91·2		71·1		81·2		20·2	108·3	54·4	53·9	31·0
55	Madras, East-Coast, Central.	Nellore	52	29·847	P	29·840	30·188	29·609	·579	·189	79·8	94·0	−0·3	74·0	−1·1	84·0	−0·7	20·0	109·3	62·1	47·2	29·6
		Masulipatam	15	29·887	+·015	29·837	30·268	29·572	·696	·224	79·8	90·1	−0·4	73·9	−0·5	82·0	−0·5	16·2	106·7	61·7	45·0	27·0
54	Madras, Central	Cuddapah	433	29·478	P	29·852	29·786	29·231	·555	·194	80·9	96·5	+1·0	73·8	−0·6	85·2	+0·2	22·6	110·3	59·3	51·0	33·3
		Kurnool	945	28·970	+·006	29·855	29·321	28·713	·608	·206	77·5	93·7	−0·1	70·0	−0·5	81·9	−0·3	23·7	108·8	50·4	58·4	34·7
		Bellary	1,475	28·433	+·006	29·867	28·744	28·194	·550	·193	76·1	93·2	+0·1	70·2	−0·4	81·7	−0·1	23·0	107·0	54·1	52·9	33·0
52	Madras, East-Coast, North.	Cocanada	26	29·865	+·008	29·827	30·249	29·364	·885	·260	79·2	89·8	P	74·3	−0·6	82·1	P	15·5	106·6	60·5	46·1	26·9
		Waltair (Vizag.)	*226*	29·649	+·003	29·817	30·059	29·293	·766	·244	79·5	86·9	P	74·6	P	80·8	P	12·3	99·4	63·4	36·0	23·7
		Gopalpur	72	29·807	+·005	29·801	30·232	29·374	·858	·268	77·2	85·1	−0·9	72·2	−1·0	78·7	−1·0	12·9	98·7	55·5	43·2	23·5
	XII.—Hill Stations.																					
48	Baluchistan	Pishin										75·9		41·2		58·6		34·7	101·4	13·0	88·4	52·9
		Quetta	5,502	24·653	+·032		24·884	24·348	·536	·249	56·3	74·3	+0·8	44·4	−0·1	59·4	+0·4	29·9	97·1	18·3	78·8	48·1
		Chaman	4,311	25·671	−·001		25·932	25·382	·550	·264	63·9	78·5	−0·9	53·8	−0·6	66·2	−0·7	24·7	104·7	16·6	88·1	43·9
30	Punjab	Leh	11,503	19·705	+·003		20·024	19·429	·595	·309	36·7	54·5	−0·9	29·8	0	42·2	−0·5	24·7	83·2	0·9	82·3	42·6
		Srinagar	5,204	24·889	+·001		25·276	24·530	·746	·297	48·9	65·4	−0·5	44·7	+0·7	55·1	+0·1	20·7	94·3	17·1	77·2	38·0
		Sonemarg	*8,764*	21·855			22·119	21·631	·488	·269	36·2	53·0		29·3		41·2		23·8	80·2	−9·9	90·1	45·0
		Skardu	*7,505*	22·871			23·327	22·520	·807	·352	47·3	62·2		41·1		51·7		21·1	108·8	11·1	97·7	41·7
		Dras	*10,059*	20·806			21·143	20·509	·634	·326	33·2	50·3		22·8		36·6		27·5	90·0	−33·4	123·4	50·7
		Gilgit	4,890	25·136			25·668	24·687	·981	·405	58·6	72·7	−0·1	52·9	−0·4	62·8	−0·2	19·8	111·2	24·6	86·6	40·0
		Chitral	*5,486*								55·0	72·8							105·7			
		Killa Drosh	4,700P								57·1	73·0		52·2		62·6		20·8	106·9	23·9	83·0	38·1
		Murree	6,333	23·826	−·004		24·063	23·597	·466	·236	55·9	64·4	−1·4	48·3	−2·5	56·4	−2·0	16·1	93·9	20·0	73·9	36·0
		Kailang	*10,087*	20·939			21·176	20·668	·508	·241	36·8	52·5		30·6		41·6		21·9	79·8	−3·0	82·8	40·5
		Poo										61·5		41·3		51·4		20·3	87·2	12·0	75·2	36·7
		Simla	7,224	23·000	+·009		23·323	22·870	·453	·231	53·4	60·5	−0·3	49·6	−0·3	55·1	−0·3	10·9	79·6	20·2	59·4	26·9
		Sarain		23·138			23·367	22·890	·477	·227	48·9	61·3		42·5		51·9		18·9	79·7	16·6	63·1	34·1
32	North-West Frontier Province.	Para Chinar	6,000	24·432			24·735	24·169	·566	·264												
		Cherat	*4,256*	25·667	−·002		25·972	25·358	·614	·262	61·9	73·4	−0·3	57·2	+0·4	65·3	0	16·3	104·4	23·0	81·4	35·6
25	United Provinces	Chakrata	7,022	23·262	−·003		23·486	23·020	·466	·234	53·6	63·7	−0·5	49·4	−0·3	56·6	−0·4	14·3	83·1	23·4	59·7	30·6
		Ranikhet	6,069	24·069	−·008		24·335	23·822	·513	·225	57·5	67·6	−0·2	53·6	+0·3	60·6	+0·1	14·0	86·1	30·0	56·1	29·2
		Muktesar	7,600	22·823*			23·023	22·793	·230	·223	53·4	63·2		48·9		56·1		14·3	80·0	25·1	54·9	30·6
13	Bengal	Yatung	10,480									54·3		35·2				18·5	66·1	15·1	51·0	32·2
		Darjeeling	7,376	23·002	−·005		23·218	22·759	·459	·219	52·2	59·5	+1·0	47·4	0	53·5	+0·5	12·1	72·2	26·2	46·0	23·7

N.B.—Elevations in italics indicate barometrical determinations.
* Mean of 10 months.

Note 1.—When a query is inserted against any reading or in returns of any
Note 2.—The data from which divisional means

I—*contd.*

at 230 stations in India, Burma, etc., in the year 1904—contd.

Wind direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Wind velocity. Mean daily velocity in miles per hour, instrumental errors uncorrected.	Normal (uncorrected).	Percentage departure from normal.	Mean velocity corrected (where possible).	Hygrometry 8 A.M. Mean humidity at 8 A.M. of year.	Departure from normal of year.	Mean vapour tension at 8 A.M. of year.	Departure from normal of year.	Cloud. Mean cloud amount at 8 A.M. 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.	Meteorological Province or District.	Number of District.
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	36
19	6	13	62	45	10	75	101	35	7·7			6·7	69	− 1	·562	−·014	4·4	−0·7	48	48·50	− 0·50	23·01	26·33	− 3·32	2·98	Chitaldroog.	Mysore.	36
5	7	31	78	21	12	93	95	14	9·3	5·2	+ 79	8·1	78	0	·564	−·016	4·7	−0·3	51	58·60	− 7·60	31·25	35·06	− 3·81	1·91	Bangalore. (a)		
12	5	53	65	26	3	43	110	49	3·6			3·3	77	+ 1	·570	−·004	5·5	−0·1	59	68·20	− 9·20	30·63	35·09	− 4·26	3·75	Hassan.		
3	8	48	49	22	13	96	98	29	9·1			9·8	80	+ 4	·616	+·015	6·0	+0·7	50	55·90	− 5·90	25·94	30·91	− 4·97	3·50	Mysore.		
53	8	47	9	15	12	72	104	46	10·3	5·6	+ 84	9·0	71	− 5	·785	−·023	4·9	−0·5	42	58·20	−16·20	38·66	55·56	−16·90	5·12	Negapatam	Madras, East Coast, South.	56
318	5	1		4	9	14	9	5	2·9			3·6	77	− 6	·803	?	5·0	−0·2	50	56·30	−6·30	31·50	52·58	−21·08	2·42	Cuddalore. (b)		
183	11	20	1	2	6	77	29	12	4·6	5·8	− 21		72	0	·727	−·004	3·6	−1·3	34	44·60	−10·60	23·65	32·54	8·89	2·07	Trichinopoly.†		
1	53	39	14	13	84	62	73	27	7·0	7·1	− 1		72	− 4	·761	−·044	4·3	−0·8	45	83·70	−38·70	21·74	50·39	−28·65	1·86	Madras.		
126	4	38	22	32	13	53	30	48	3·8			3·8	74		·696		2·9		44	54·90	−10·90	24·63	38·47	−13·84	2·07	Vellore.		
6	26	8	8	32	75	55	37	118	5·9				75	− 1	·756	?	4·4	−0·6	34	42·40	− 8·40	21·83	30·73	− 8·90	3·32	Nellore(b)	Madras East Coast (Central).	55
74	60	31	5	13	36	28	57	62	6·0	7·0	− 14	5·4	85	+ 3	·875	+·029?	4·7	−0·1	43	51·00	− 8·00	36·70	40·91	− 4·21	5·75	Masulipatam.		
	4	44	21	88	8	55	86	60					63	− 5	·664	−·042	4·1	−0·2	30	43·70	−13·70	11·77	32·69	−20·92	1·26	Cuddapah	Madras (Central).	54
81	1	26	24	31	7	75	51	70	7·7				75	+ 9	·721	?	2·9	−0·9	42	47·60	− 5·60	14·99	28·40	−13·41	1·16	Kurnool.		
51	17	9	20	45	28	35	101	61	6·9	6·5	+ 6	7·3	67	+ 5	·611	+·031	4·1	−0·6	29	34·30	− 5·30	23·85	19·73	+ 4·12	4·38	Bellary.		
116	45	33		2	4	66	68	32	7·1			5·9	81	+ 6	·827	+·067	4·5	−0·2	40	53·90	−13·90	28·37	39·84	−11·47	3·43	Cocanada	Madras East Coast (North).	52
8	35	36	28	17	14	165	57	6	12·0				69	− 4	·706	?	5·6	?	51	49·60	+ 1·40	41·54	43·54	− 2·00	3·32	Waltair (Vizag.)		
24	91	3	2	4	53	91	11	87	12·6	9·6	+ 31	12·4	81	0	·766	−·018	2·8	?	61	55·20	+5·80	37·81	47·53	− 9·72	4·42	Gopalpur.		
																										XII.—Hill Stations.		
																			23	23.20	− 0·20	9·67	9·98	− 0·31	1·00	Pishin.	Baluchistan.	48
309		1	5	25	12	2	7	5	1·8	4·1	− 56	1·9	57	− 1	·254	−·033	1·7	−0·2	19	26·80	− 7·80	8·51	10·68	− 2·17	0·91	Quetta.		
12	8	14	45	67	66	107	29	18	7·0			7·7	47	+ 3	·261	−·006	1·3	−0·7	22	19·60	+ 2·40	5·66	6·29	− 0·63	0·72	Chaman.		
	13	72	58	21	81	52	64	5	2·2				51	− 1	·132	+·001	5·3	+0·5	5	9·30	− 4·30	2·07	3·00	− 0·93	0·67	Leh.	Punjab	30
142	17	18	16	73	37	17	10	38	3·3			3·1	87	+ 1	·347	−·008	5·0	+0·4	70	56·50	+13·50	32·69	24·74	+ 7·95	2·54	Srinagar.		
238	4	25	15	34	14	16	13	7	2·9			2·7	89		·209		4·5		109			54·92			3·70	Sonemarg.		
171	6	28	47	17	15	43	34	5	4·6			4·7	73		·257		5·1		18	17·00	+ 1·00	6·30	10·45	− 4·15	0·69	Skardu.		
312	4	6	6	4	5	9	13	6	3·8			3·0	72		·158		4·4		56	61·10	− 5·10	20·65	24·53	− 3·88	1·51	Dras.(b)		
266	4	3	5	6	3	31	43	5	3·9			3·5	49	− 2	·280	+·011	5·5	+0·7	11	14·00	− 3·00	4·27	4·80	− 0·53	0·73	Gilgit.		
315	10		9		19	2	1		2·4			2·2	65		·279		2·4		32			7·81			0·62	Chitral.(a)		
237	3	11	72	9	20	6	5	2					70		·372		3·2		33			11·97			0·88	Killa Drosh.(b)		
209	19	7	18	53	37	7	2	14	6·0	6·8	− 12	6·5	56	+ 1	·266	+·003	3·4	−0·4	72	77·30	− 5·30	56·51	55·85	+ 0·66	3·23	Murree		
	9	5	15	48	50	92	90	57	1·1				72		·183		4·9		58			28·09	22·84	+ 5·25	1·71	Kailang.		
248	2	11	25	31	11	19	7	8									4·5		35			13·26	18·56	− 5·30	0·98	Poo.§		
85	148	8		35	79	1	2	1	4·2	2·2	+ 91	4·0	56	− 2	·246	−·014	4·0	−0·2	88	80·10	+ 7·90	61·97	63·59	− 1·62	3·13	Simla.		
143	8	12	9	3	101	60	14	15	2·6			2·5	72		·260		3·9		93			62·15			3·50	Sarain.(b)	North-West Frontier Province.	32
298	8	10	10	12	10	1	7	4	4·4			4·0					3·1		73	58·20	+14·80	23·16	25·18	+ 2·98	1·50	Para Chinar.**		
78	146	14	1	5	46	14	9	48	8·0			7·4	52	− 1	·301	−·018	2·9	−0·2	46			28·93	24·43	+ 4·50	4·00	Cherat.††	United Provinces.	
145	134	15	3	15	41	1		11	6·9	5·1	+ 35	8·2	63	− 1	·281	−·010	2·1	−1·3	97	88·00	+ 9·00	79·83	70·71	+ 9·12	5·20	Chakrata. (b)		25
216	3	9	26	7		58	26	20	2·3	2·1	+ 10	2·6	65	− 2	·331	−·011	3·5	−0·4	74	79·70	− 5·70	54·58	54·52	+ 0·06	4·44	Ranikhet.(b)		
70	11	20	42	40	17	27	120	17	8·2			7·5	61		·273		4·1		71			56·92			5·74	Muktesar. ‖‖		
																			125	125·25	− 0·25	48·93	49·48	− 0·55	1·35	Yatung	Bengal.	13
144	7	69	47	39	3	23	23	10	4·0	3·2	+ 25	3·7	83	− 4	·349	−·008	4·6	−1·4	131	121·09	+ 9·91	108·01	124·38	−16·37	5·48	Darjeeling.		

station the data for that station are not utilized in calculating the provincial departures from normal.
of the figure columns Nos. 38, 40, and 42 derived are somewhat incomplete.

† Wind observations of 341 days.
§ " " " 362 "
(a) " " " 356 "
(b) " " " 365 "
** " " " 360 "
†† " " " 361 "
‖‖ " " " 364 "

Table

Abstract of observations taken at 8 A.M.

Number of District.	Meteorological Province or District.	Station.	Elevation of bar cistern above sea-level in feet.	Pressure 8 A.M. in inches.							Temperature of air.											
				Mean 8 A.M. pressure reduced to 32°.	Departure from normal.	Mean 8 A.M. 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 A.M. 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	23
8	Assam Hill Tracts.	Shillong	4,920	25·149			25·411	24·718	·693	·247	61·0	70·8		53·6		62·2		17·2	81·7	32·0	49·7	30·1
		Cherra Poonjee	4,309	25·678			25·962	25·294	·668	·220	62·2	68·4		57·2		62·8		11·1	80·2	39·0	41·2	23·0
	Central India.	Mount Abu	3,945	26·028	0		26·314	25·708	·606	·227	67·7	76·1	−0·1	62·3	+0·2	69·2	+0·1	13·8	94·2	37·5	56·7	26·7
		Pachmarhi	3,528	26·435	+·013		26·724	26·127	·597	·242	68·7	80·2	+0·6	60·8	−0·4	70·5	+0·1	19·4	103·2	36·8	66·4	33·6
	South India.	Wellington	6,200	24·255	+·002		24·404	24·119	·285	·133	61·8	71·6	+0·5	51·9	−1·6	61·8	−0·5	19·7	82·2	34·2	48·0	31·1
		Kodaikanal	7,688	22·830			22·937	22·705	·232	·120	56·3	64·3		50·3		55·6		14·0	77·3	39·9	37·4	23·8
		Ootacamund	*7,322*	23·061			23·160	22·937	·223	·119	56·9	64·9		48·4		56·7		16·5	76·6	34·1	42·5	26·2
	XIII.—Extra India.																					
	Ceylon	Trincomalee	12	29·908	+·020	29·846	30·135	29·765	·370	·155	79·1	88·6	0	75·	−0·6	82·2	−0·3	12·8	99·0	66·5	32·5	20·0
		Colombo	40	29·915	+·011	29·881	30·077	29·761	·316	·139	79·6	86·3	−0·7	75·2	−0·3	80·8	−0·5	11·1	92·5	65·0	27·5	17·9
	Persia	Meshed	3,104								56·9			45·9	+0·1					0·3		
		Teheran†	*4,002*	25·914			26·370	25·600	·770	·339	59·1	72·6	−0·3	50·2	−0·8	61·4	−0·5	22·5	104·8	7·0	97·8	41·8
		Ispahan†	*5,817*	24·288			24·540	24·020	·520	·295	55·9	73·7	−0·5	46·4	+1·3	60·0	+0·4	27·3	100·8	15·2	85·6	43·3
		Bushire	14	29·868	+·007	29·842	30·426	29·377	1·049	·308	73·4	81·8	−0·4	68·5	0	75·2	−0·2	13·3	109·5	41·3	68·2	30·8
		Bahrein	30	29·860			30·282	29·428	·854	·306	77·0	84·2		71·5		77·9		12·8	102·7	49·3	53·4	27·2
		Jask	*13*	29·844	−·022	29·814	30·258	29·448	·810	·271	79·0	86·8	+0·2	74·2	+0·8	80·5	+0·5	12·6	107·2	55·3	51·9	26·0
	Arabia	Muscat	20	29·848	−·010	29·816	30·246	29·429	·817	·268	80·9	83·8	+0·4	79·8	+1·1	81·8	+0·8	4·0	102·3	62·1	40·2	15·5
		Baghdad	220	29·780	−·011	29·981	30·252	29·368	·884	·394	67·3	86·8	+1·7	59·6	+0·2	73·2	+1·0	27·2	117·6	25·8	91·8	44·9
		Busrah*		29·937			30·498	29·466	1·032	·387				63·5								
		Aden	94	29·830	+·005	29·856	30·107	29·539	·568	·214	81·8	88·2	−0·1	77·5	−0·3	82·9	−0·2	10·7	97·3	67·4	29·9	17·4
		Perim	201	29·733	+·044	29·867	29·967	29·455	·512	·155	82·8	89·7	−0·1	79·4	+0·3	84·6	+0·1	10·3	101·7	71·6	30·1	15·8
	Afghanistan	Kabul									54·1	72·8	+0·8	38·1	−4·4	55·5	−1·8	34·7	98·1	−2·6	100·7	54·0
	Central Asia.	Kashgar	4,255	25·598			26·090	25·200	·890	·450	50·5	68·3	+2·1	43·4	−0·1	55·9	+1·0	24·9	103·6	−1·2	104·8	47·5
	Arabian Sea Islands.	Amini Divi	*13*	29·835	+·014	29·876	30·084	29·746	·338	·142	82·7	87·7	+1·5	76·7	−0·4	82·2	+0·6	11·0	94·3	67·3	27·0	18·7
		Minicoy	7	29·856		29·889	30·092	29·809	·283	·126	82·3	86·4	0						92·3			
	Africa	Zanzibar	73	29·996	+ 004	29·996	30·168	29·794	·374	·136	77·9	83·4	−0·1	75·7	−0·7	79·6	−0·5	7·7	92·8	70·0	22·8	14·1
		Do. Dunga	*154*	29·913		29·997	30·069	29·605	·464	·139	76·3	85·5							96·3			
	Straits Settlements.	Penang(*a*)	20	29·914		29·859	29·996	29·834	·162	·096	80·6	89·3		73·9		81·6		15·4	93·0	71·0	22·0	19·3
		Singapore(*a*)	10	29·938		29·869	30·037	29·865	·172	·108	82·4	86·9		72·9		80·0		14·0	91·9	67·9	24·0	19·4

N.B.—Elevations in italics indicate barometrical determinations
† Aneroid uncorrected
(*a*) 9 hours observations.

* Mean of 10 months.

NOTE.—When a query is inserted against any reading or in the returns of any

I—*concld.*

at 230 stations in India, Burma, etc., in the year 1904—concld.

Wind direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Wind velocity. Mean daily velocity in miles per hour, instrumental errors uncorrected.	Normal (uncorrected).	Percentage departure from normal	Mean velocity corrected (where possible).	Hygrometry 8 A.M. Mean humidity at 8 A.M. of year	Departure from normal of year.	Mean vapour tension at 8 A.M. of year.	Departure from normal of year.	Cloud. Mean amount of cloud at 8 A.M. 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.	Meteorological Province or District.	Number of District.
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52
241	1	4	17	14	13	70	5	1	2·6			3·0	74		·418		4·3		116	120·40	− 4·40	67·91	79·72	−11·81	3·25	Shillong	Assam Hill Tracts.	8
44	15	98	34	17	25	71	52	10	5·3			5·1	79		·462		5·6		168	161·70	+ 6·30	371·52	438·85	−67·33	19·78	Cherra Poonjee		
36	22	57	5	27	16	141	33	29	9·2	7·0	+31	9·3	53	−2	·354	−·019	3·1	−0·2	33	54·20	−21·20	17·38	61·73	−44·35	2·42	Mount Abu	Central India.	
41	15	29	14	26	8	53	55	125	7·3	5·2	+40	7·6	61	+1	·419	−·015	3·5	−0·4	66	79·20	−13·20	64·37	76·21	−11·84	10·25	Pachmarhi		
180	24	49	22	12	5	58	10	6	2·8	3·3	−15		67	−1	·375	−·015	4·6	+0·2	85	86·80	− 1·80	33·67	50·75	−17·08	2·09	Wellington	South India.	
	43	53	65	38	17	6	56	88	14·3				66		·299		4·2		86	99·40	−13·40	46·62	64·82	−18·20	2·33	Kodaikanal		
84	3	40	76	37	15	23	62	26	5·4			5·2	67		·313		4·5		89	90·70	− 1·70	35·56	46·60	−11·04	1·87	Ootacamund.		
																										XIII.—Extra India.		
54	9	45			2	214	17	25					84	+3	·845	−·019	3·5	+0·2	63			66·18	62·37	+4·51	9·56	Trincomalee	Ceylon.	
	67	36	47	30	25	116	43	2	9·2	7·6	+21		82	+5	·840	−·005	5·4	+0·3	108			76·15	89·59	−13·44	6·86	Colombo.		
													65		·318		2·5	?	35			16·78	8·29	+8·49	1·66	Meshed	Persia	
161	13	69	12	7	14	36	10	9	1·9			2·4	54	?	·277	?	2·7	+0·2	35			15·30	9·49	+5·81	2·45	Teheran (*b*)		
279	17	4	2	6		11	27	18	2·4			3·1	62	−2	·302	−·017	2·5	+0·4	12			4·46	3·64	+0·82	0·70	Ispahan (*c*)		
26	39	66	34	58	11	11	20	99	13·6			15·0	75	+8	·643	+·035	2·3		14			7·92	12·11	−4·19	4·27	Bushire (*c*)		
8	92	26	11	20	33	19	35	95					77		·740				6			1·62			0·50	Bahrein (*d*)		
11	39	89	112	19	2	7	25	61	11·4			9·4	73	+2	·752	+·025	1·8	+0·2	8			3·90	4·46	−0·56	1·07	Jask (*e*)		
115	17	4	12	60	6	3	20	126	3·9			4·1	68	−1	·753	+·011	1·3	−0·3	1			0·94	4·43	−3·49	0·70	Muscat (*f*)	Arabia.	
205	45	5	2	2	21	4	13	63	2·4	3·7	−35	3·2	57	−2	·383	−·026	2·0	+0·8	15			5·41	9·04	−3·63	0·56	Baghdad (*g*)		
																			14			6·04			0·95	Busrah		
4	13	129	96	62	6	27	13	16	9·2	11·5	−20	7·5	74	+1	·709	−·072	3·2	−1·0	1			0·50	2·97	−2·47	0·50	Aden		
	19	28	118	92	24	31	32	22	15·2			15·4	73	0	·821	−·004	1·0?	−3·6	3			1·81	1·92	−0·11	0·56	Perim		
2	53	63	27	27	39	32	87	34					85		·454		2·4	?	20			8·87	11·85	−2·98	0·73	Kabul (*c*)	Afghanistan.	
315	15	3	4	4	5	1		8	2·4			2·2					2·3	−1·9	3			1·16	3·99	−2·83	0·75	Kashgar (*g*)	Central Asia.	
67	27	88	5			12	66	99					75	?	·840	?	6·8	?	72			45·90	48·41	−2·51	4·74	Amini Divi (*c*)	Arabian Sea Islands.	
	61	49	21	8	5	11	90	107	7·3			7·8	75	−4	·829	−·019	4·7	+0·1	78			46·33	57·48	−11·15	2·65	Minicoy (*k*)		
	43	49	16	36	113	99	8	2	7·5			7·0	86	+3	·822	+·005	7·1	+1·2	105			86·73	55·04	+31·69	4·12	Zanzibar	Africa.	
66	8	41	6	39	60	100		3	5·3			5·1	89		·811		5·9		128			93·90			3·55	Do. Dunga (*l*)		
54	111	102	16	36	36			11	5·2								1·2		133			123·44			4·37	Penang	Straits Settlements.	
1	31	73	14	26	21	76	26	54	5·6								5·5		144			102·57			7·37	Singapore (*m*)		

station, the data for that station are not utilized in calculating the provincial departures from normal.

(*b*) Wind observations of 331 days.
(*c*) " " " 364 "
(*d*) " " " 339 "

(*e*) Wind observations of 365 days.
(*f*) " " " 363 "
(*g*) " " " 360 "
(*k*) " " " 352 "
(*l*) " " " 323 "
(*m*) " " " 322 "

TABLE II.—Abstract of Observations taken at 10 A.M. and 4 P.M., at 64 Stations in India, Burma, etc., in the year 1904.

Table

Abstract of Observations recorded at 10 A.M. and 4 P.M.

Meteorological Province.	Station.	Elevation of bar cistern above sea-level in feet.	Pressure. Mean of 10 hours.	Mean of 16 hours.	Mean daily range.	Mean of daily mean pressure.	Departure from normal.	Mean reduced to S. L. and for gravity 45° Lat.	Temperature of air. Mean maximum.	Mean minimum.	Mean daily range.	Highest maximum.	Lowest minimum.	Absolute range.	Mean 10 hours.	Mean 16 hours.	Mean of daily mean.	Departure from normal.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Burma Coast and Bay Islands.	Port Blair	61	29·877	29·778	·099	29·829	+·013	29·821	86·1	76·9	9·2	93·2	69·6	23·6	83·0	83·8	80·4	−0·7
	Rangoon	57	·861	·748	·113	·806	?	·825	87·6	73·0	14·6	98·9	59·9	39·0	81·4	84·2	78·4	?
	Diamond Island	41	·877	·776	·101	·828	−·008	·804	84·0	76·0	8·0	90·8	67·2	23·6	81·3	81·8	79·8	−0·4
	Cocos Island	119	·800	·699	·101	·751		·802	85·9	76·6	9·3	97·1	71·5	25·6	82·7	82·6	80·2	
	Akyab	20	·875	·769	·106	·822	−·014	·785	84·9	72·0	12·9	92·9	56·4	36·5	79·7	82·0	78·1	−0·8
Bengal and Orissa	Chittagong	87	·790	·683	·107	·735	−·020	·770	84·6	69·1	15·5	97·8	49·2	48·6	79·5	81·4	76·6	−0·3
	Calcutta (Alipore)	21	·838	·723	·115	·779	−·008	·746	87·1	70·5	16·6	101·5	47·0	54·5	81·5	85·0	78·3	+0·3
	Saugor Island	25	·827	·718	·109	·768	−·017	·738	85·7	73·6	12·1	97·5	49·9	47·6	81·1	83·0	78·5	+0·1
	False Point	21	·842	·734	·108	·735	−·014	·748	85·3	71·6	13·7	99·5	48·6	50·9	82·0	82·6	77·3	−0·5
Gangetic Plain and Chota Nagpur.	Hazaribagh	2,007	27·828	27·729	·099	27·776	−·014	·724	84·7	65·3	19·4	105·3	43·6	61·7	77·9	81·4	74·1	−0·1
	Allahabad	309	29·533	29·420	·113	29·472	−·004	·734	89·2	67·3	21·9	111·3	40·7	70·6	81·6	87·5	77·1	−0·3
Upper Sub-Himalayas.	Dehra Dun	2,233	27·608	27·524	·084	27·559	−·013	·758	80·9	60·2	20·7	103·0	37·1	65·9	72·6	77·6	69·7	−0·5
	Roorkee	899	29·926	29·825	·101	29·869	−·007	·739	85·9	62·3	23·6	111·5	35·3	76·2	76·5	83·1	72·7	−0·8
	Meerut	738	·086	28·986	·100	·029	−·011	·734	87·8	64·0	23·8	108·7	35·1	73·6	77·6	85·4	74·5	+0·1
	Lahore	702	·110	29·021	·089	·057	−·014	·729	89·7	64·2	25·5	115·2	34·5	80·7	79·7	87·4	75·8	+1·1
	Ludhiana	812	·001	28·920	·081	28·953	−·008	·738	87·1	64·6	22·5	112·9	36·2	76·7	75·9	85·2	74·6	−0·2
Indus Valley and N.-W. Rajputana.	Peshawar	1,110	28·740	·642	·098	·684	−·007	·782	85·0	60·3	24·7	116·0	33·3	82·7	76·9	82·5	71·6	+0·2
	Jacobabad	186	29·636	29·524	·112	29·578	−·008	·723	97·6	66·2	31·4	123·2	34·0	89·2	85·8	94·4	80·9	+1·5
	Kurrachee	30	·852	·760	·092	·803	−·003	·784	87·8	70·8	17·0	107·1	46·4	60·7	82·4	84·1	78·3	+0·7
Eastern Rajputana, Central India and Gujarat.	Jaipur	1,431	28·434	28·333	·101	28·378	0	·759	90·4	65·5	24·9	114·0	36·8	77·2	81·6	88·0	76·7	−0·4
	Udaipur	1,925	27·960	27·859	·101	27·906		·767	88·5	64·6	23·9	109·4	39·0	70·4	80·7	86·0	76·3	
	Deesa	466	29·414	29·293	·121	29·350	0	·764	96·5	67·9	28·6	114·9	42·7	72·2	85·8	91·3	81·9	+1·7
	Jamnagar	61	·834	·728	·106	·778		·784	90·6	68·7	21·9	106·2	43·8	62·4	83·4	87·8	78·5	
Deccan	Belgaum	2,539	27·392	27·289	·103	27·340	+·011	·789	83·7	63·5	20·2	100·3	51·1	49·2	77·3	80·6	72·1	−0·7
	Sholapur	1,590	28·317	28·180	·137	28·250	+·001	·767	93·0	68·3	24·7	110·8	49·9	60·9	83·4	90·5	79·4	+0·1
	Akola	930	·959	·822	·137	·889	+·005	·758	93·5	67·2	26·3	115·5	44·3	71·2	84·5	91·7	79·4	+0·3
	Buldana	2,132	27·769	27·655	·114	27·707	−·016?	·756	88·2	67·6	20·6	108·5	53·0	55·5	80·5	85·9	76·8	+0·1
	Khandwa	1,044	28·838	28·707	·131	28·772	+·003	·763	93·4	67·0	26·4	116·2	43·6	72·6	83·3	91·5	79·7	+0·9
	Nagpur	1,025	·851	·722	·129	·786	+·014	·758	92·5	68·4	24·1	116·7	47·7	69·0	83·1	89·7	79·5	−0·1
	Nagpur (Sanitary Commr.'s Office.)	1,013	·857	·728	·129	·792		·755	92·5	68·3	24·2	117·6	47·3	70·3	83·9	90·0	79·5	
	Hyderabad (Deccan)	1,690	·213	·093	·120	·154	+·007	·741	90·5	68·6	21·9	109·3	50·7	58·6	82·5	87·9	78·6	+0·1
West Coast	Bombay	37	29·890	29·790	·100	29·837	+·010	·814	86·7	75·5	11·2	94·7	62·3	32·4	81·2	83·4	80·0	+0·7
	Karwar	44	·904	·802	·102	·854	+·014	·832	86·0	72·0	14·0	92·1	58·9	33·2	81·6	84·2	78·1	−0·3
South India	Periyakulam	945	28·990	28·859	·131	28·937			91·8	68·8	23·0	104·0	56·5	47·5	83·5	88·1	79·6	
	Salem	940	29·008	·870	·138	·947	0	29·818	92·3	70·5	21·8	104·0	58·3	45·7	82·9	89·2	79·8	−0·5
	Chitaldroog	2,405	27·539	27·425	·114	27·485	+·011	·798	86·5	66·3	20·2	100·3	55·3	45·0	78·6	83·6	75·0	−0·5
	Bangalore	3,021	26·958	26·843	·115	26·904	+·003	·802	84·2	63·2	21·0	97·3	51·9	45·4	76·3	81·6	72·4	−0·4
	Hassan	3,091	·901	·797	·104	·853	+·018	·823	83·5	61·2	22·3	94·0	46·5	47·5	76·4	79·1	71·0	−0·1
	Mysore	2,518	27·452	27·332	·120	27·396	+·005	·818	86·4	64·5	21·9	99·9	53·2	46·7	77·8	82·8	74·1	−0·6
	Madras	22	29·900	29·783	·117	29·845	+·002	·797	91·4	74·3	17·1	103·5	61·1	42·4	86·3	86·3	81·6	−0·1

II.

at 64 Stations in India, Burma, etc., in the year 1904.

Temperature, Wet-bulb.				Vapour Tension.					Humidity.					Cloud.				Rainfall.		Station.	Meteorological Province.
Mean minimum.	Mean 10 hours.	Mean 16 hours.	Mean of three previous columns.	From minimum.	Mean 10 hours.	Mean 16 hours.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 hours.	Mean 16 hours.	Mean of daily means.	Departure from normal.	Mean 10 hours.	Mean 16 hours.	Mean of two previous columns.	Departure from normal.	Total rainfall for the year.	Heaviest rainfall during the year.		
20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
74·0	78·1	78·0	76·7	·804	·900	·885	·881	—·021	87	80	77	84	0	5·9	5·5	5·7	—0·1	121·23	7·01	Port Blair.	Burma Coast and Bay Islands.
70·4†	74·8	75·4*	73·5*	·724†	·782	·770	·767†	P	88†	73	67	78†	P	5·1	5·8	5·5	—0·1	100·16	4·21	Rangoon.	
71·8	75·8	75·7	74·4	·724	·826	·813	·801	−·021	80	77	75	79	—2	4·7	4·8	4·8	−0·5	137·67	7·81	Diamond Island.	
72·8				·760					83					5·1	5·3	5·2	+0·1	89·02	4·48	Cocos Islands.	
	75·3	75·8			·836	·821				81	74			4·5	4·0	4·3	−0·5	187·77	6·56	Akyab.	
68·0	74·0	74·6	72·2	·696	·779	·779	·761	−·001	95	76	72	82	+2	4·9	4·3	4·6	—0·3	92·07	5·24	Chittagong	Bengal and Orissa.
68·4	73·7	74·0	72·0	·696	·748	·714	·735	−·009	89	67	59	75	−2	4·2	4·2	4·2	−0·3	63·20	6·23	Calcutta (Alipore).	
70·8	75·1	75·8	73·9	·744	·824	·816	·803	—·017	87	75	70	79	−2	5·0	4·8	4·9	—0·4	68·90	3·44	Saugor Island.	
70·1	75·2	75·7	73·7	·744	·800	·813	·795	−·015	93	72	72	80	—1	5·1	5·0	5·1	−0·2	46·11	3·23	False Point.	Gangetic Plain and Chota Nagpur.
60·2	65·0	65·7	63·6	·489	·479	·457	·488	—·009	74	50	43	58	0	4·3	5·1	4·7	−0·2	61·29	3·07	Hazaribagh	
63·2	70·6	72·4	68·7	·567	·633	·619	·619	+·051	80	58	48	66	+4	3·3	3·6	3·5	0	41·31	4·86	Allahabad.	
56·2	62·9	64·6	61·2	·436	·479	·482	·475	+·007	78	59	50	65	+1	3·8	4·6	4·2	+0·3	87·81	6·32	Dehra Dun	Upper Sub-Himalayas.
58·7	65·7	67·0	63·8	·489	·520	·476	·504	+·003	82	57	43	64	+3	2·8	2·6	2·7	−0·3	37·25	4·04	Roorkee.	
59·7	66·0	68·0	64·6	·502	·520	·488	·513	−·011	79	54	40	60	0	2·9	2·8	2·9	−0·1	32·51	4·04	Meerut.	
59·4	67·7	69·9	65·7	·492	·558	·528	·536	+·046	77	54	41	60	+4	2·2	2·4	2·3	—0·5	12·18	2·33	Lahore.	
60·8	65·8	68·0	64·9	·529	·547	·500	·535	+·028	82	59	41	64	+5	2·0	2·4	2·2	—1·2	19·84	2·45	Ludhiana.	
54·5	64·0	65·4	61·3	·390	·477	·451	·450	+·015	70	51	42	56	+2	2·8	4·2	3·5	+0·3	15·64	1·77	Peshawar	Indus Valley and N.-W. Rajputana.
59·6	70·8	73·1	67·8	·472	·603	·573	·560	+·080	67	47	35	52	+6	1·0	0·9	1·0	—1·0	2·68	1·27	Jcobabad.	
66·5	71·8	73·5	70·6	·629	·666	·714	·695	—·002	79	52	60	70	0	2·3	1·7	2·0	−1·0	4·62	1·11	Kurraehee.	
58·2	65·5	66·9	63·5	·431	·455	·419	·442	−·023	64	42	33	50	−3	2·8	3·7	3·3	−0·4	24·81	3·18	Jaipur	Eastern Rajputana, Central India and Gujarat.
58·3	65·0	66·1	63·1	·439	·441	·412	·434		69	42	34	49		2·2	2·8	2·5		19·05	1·96	Udaipur.	
60·2	68·1	68·9	65·7	·460	·471	·381	·441	−·037	61	38	24	42	+4	2·5	2·4	2·5	−0·8	6·02	1·53	Deesa.	
64·0	70·7	71·2	68·6	·567	·603	·563	·599		75	51	43	60		2·6	2·6	2·6		10·77	3·77	Jamnagar.	
60·9	65·6	66·7	64·4	·515	·492	·491	·514	—·020	86	55	50	66	0	4·2	5·1	4·7	+0·1	47·53	3·10	Belgaum	Deccan.
60·7	66·5	67·9	65·0	·456	·449	·408	·449	−·047	64	40	30	47	−4	3·6	5·5	4·5	−0·2	22·72	3·11	Sholapur.	
60·2	68·6	69·6	66·1	·456	·503	·441	·473	−·023	66	43	32	49	−3	3·4	4·2	3·8	0	26·00	5·18	Akola.	
59·1	64·8	65·5	63·1	·414	·431	·387	·413	−·041	60	42	34	48	−5	3·3	3·9	3·6	—0·3	30·35	5·51	Buldana.	
60·2	67·5	69·0	65·6	·471	·490	·435	·471	−·025	67	44	32	49	−3	3·0	3·5	3·3	—0·3	18·12	2·85	Khandwa.	
61·4	68·3	69·8	66·5	·483	·523	·493	·506	−·026	68	48	38	53	−2	3·1	4·4	3·8	—0·7	33·47	3·10	Nagpur.	
61·1	68·4	70·3	66·6	·478	·518	·507	·507		67	46	39	53		3·1	4·2	3·7		30·89	3·12	Nagpur (Sany. Commr.'s Office).	
64·3	69·5	70·6	68·1	·564	·565	·543	·565	—·015	79	52	43	60	−1	3·4	4·7	4·1	−0·1	22·33	3·09	Hyderabad (Deccan).	
71·0	74·4	75·8	73·7	·711	·771	·799	·778	—·013	80	71	69	76	−2	4·0	3·5	3·8	0	33·41	3·40	Bombay	West Coast.
69·6	74·1	75·7	73·1	·701	·746	·775	·759	—·019	88	69	67	78	−2	3·0	3·2	3·1	−0·6	113·12	7·53	Karwar.	
66·2	72·5	73·1	70·6	·618	·657	·619	·628		87	58	48	63		3·8	5·8	4·8		23·08	2·25	Periyakulam	South India.
67·7	74·0	75·8	72·5	·648	·727	·724	·709	+·003	87	64	53	70	−1	4·5	5·9	5·2	+0·3	34·48	3·00	Salem.	
62·3	67·3	67·4	65·7	·522	·534	·474	·520	—·011	79	55	43	61	—1	4·3	4·4	4·4	—0·7	23·01	2·98	Chitaldroog.	
60·8	66·1	66·3	64·4	·514	·532	·475	·516	—·026	88	59	46	66	—2	4·3	3·9	4·1		31·25	1·91	Bangalore.	
59·7	66·0	65·7	63·8	·507	·528	·483	·516	—·016	91	58	51	69	—1	5·2	6·3	5·8	−0·4	30·83	3·75	Hassan.	
63·1	68·6	69·4	67·0	·569	·595	·560	·584	—·027	92	62	52	71	—5	6·2	6·7	6·5	+0·4	25·94	3·50	Mysore.	
	75·2	76·0	74·7		·727	·764	·771	−·039		58	61	72	—5	4·5	4·5	4·5	—0·5	21·74	1·86	Madras.	

* Mean of 11 months. † Mean of 10 months.

Table

Abstract of Observations recorded at 10 A.M. and 4 P.M.

Meteorological Province.	Station.	Elevation of bar-cistern above sea level in feet.	Pressure. Mean of 10 hours.	Mean of 16 hours.	Mean daily range.	Mean of daily mean pressure.	Departure from normal.	Mean reduced to S. L. and for gravity 45° Lat.	Temperature of air. Mean maximum.	Mean minimum.	Mean daily range.	Highest maximum.	Lowest minimum.	Absolute range.	Mean to hours.	Mean 16 hours.	Mean of daily mean.	Departure from normal.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
South India—*concld.*	Bellary	1,475	28·442	28·307	·135	28·377	+·006	29·781	93·2	70·2	23·0	107·0	54·1	52·9	83·1	89·4	80·6	−0·1
	Waltair	*226*	29·657	29·550	·107	29·602		·768	86·9	74·5	12·4	99·2	63·4	35·8	83·5	83·3	79·6	
Hill Station, Baluchistan.	Quetta	5,502	24·662	24·588	·074	24·618			74·3	44·5	29·8	97·3	18·2	79·1	66·9	70·7	59·1	
Hill Stations, Northern India.	Leh	11,503	19·710	19·615	·095	19·664	+·001		54·6	29·9	24·7	83·3	0·9	82·4	44·6	51·4	40·6	−0·4
	Srinagar	5,204	24·901	24·820	·081	24·857	+·001		65·5	44·7	20·8	94·5	16·9	77·6	55·4	63·0	53·4	+0·1
	Sarain	...	23·154	23·100	·054	23·121			61·3	42·4	18·9	79·7	16·6	63·1	55·4	55·9	51·7	
	Simla (Ridge)	7,224	·121	·071	·050	·089	+·006		60·5	49·5	11·0	79·6	20·2	59·4	56·2	57·3	54·7	−0·4
	Chakrata	7,022	·282	·234	·048	·249	−·003		63·8	49·4	14·4	83·1	23·4	59·7	58·2	58·7	56·4	−0·4
	Ranikhet	6,069	24·091	24·022	·069	24·049	−·010		67·7	53·4	14·3	85·8	30·0	55·8	62·4	63·8	60·3	0
	Muktesar	7,600	22·850	22·786	·064	22·810			63·3	48·8	14·5	80·0	25·1	54·9	56·6	59·4	55·8	
	Katmandu	4,388	25·639	25·532	·107	25·583			76·2	53·4	22·8	89·4	29·8	59·6	66·5	72·3	64·6	0
	Darjeeling	7,376	23·005	22·969	·036	22·984	−·007		59·5	47·4	12·1	72·4	26·2	46·2	55·5	57·2	53·2	+0·5
Hill Stations, Central India.	Mount Abu	3,945	26·045	25·976	·069	26·006	−·002		76·0	62·3	13·7	94·2	37·7	56·5	70·9	73·9	68·8	0
	Pachmarhi	3,528	·453	26·365	·088	·405	+·007		80·3	60·7	19·6	102·2	36·7	66·5	72·6	77·6	70·2	+0·1
	Chikalda	3,642	·330	·236	·094	·279	−·018		80·0	63·5	16·5	100·8	49·8	51·0	73·3	78·1	71·5	−0·1
Hill Stations, South India.	Kodaikanal	7,688	22·844	22·776	·068	22·806			64·3	50·3	14·0	77·3	39·9	37·4	60·9	58·6	55·6	
	Ootacamund	*7,322*	23·075	23·006	·069	23·037			64·9	48·4	16·5	76·6	34·3	42·3	61·7	59·9	56·4	
	Dodabetta	8,539	22·045	21·986	·059	22·014			57·6	45·9	11·7	67·9	35·6	32·3	55·3	53·9	51·3	
Extra India	Aden	94	29·841	29·719	·122	29·776		·801	88·3	77·5	10·8	97·1	67·5	29·6	84·4	86·6	82·0	
	Perim	201	·742	·628	·114	·682		·816	89·7	79·3	10·4	101·7	71·6	30·1	85·7	86·8	83·7	
	Minicoy*	7	·966	·903	·063	·940		·872	86·4			92·3			84·1	83·5		
	Zanzibar	73	30·007	·899	·108	·958		·958	83·5	75·6	7·9	92·9	70·0	22·9	79·2	82·4	78·7	
	Port Victoria (Seychelles).	15	29·995	·909	·086	·958		·897	82·7	73·1	9·6	87·6	68·1	19·5	80·7	81·5	76·6	
	Mauritius (Pamplemousses).	181				·907		30·036				89·9	50·9	39·0			72·6	

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

II—*concld.*

at 64 Stations in India, Burma, etc., in the year 1904—concld.

Temperature, Wet-bulb.				Vapour Tension.					Humidity.					Cloud.				Rainfall.		Station.	Meteorological Provinces.
Mean minimum.	Mean 10 hours.	Mean 16 hours.	Mean of three previous columns.	From minimum.	Mean 10 hours.	Mean 16 hours.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 hours.	Mean 16 hours.	Mean of daily means.	Departure from normal.	Mean 10 hours.	Mean 16 hours.	Mean of two previous columns	Departure from normal.	Total rainfall for the month.	Heaviest rainfall during the month.		
20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
63·7	71·5	73·0	69·4	·525	·639	·621	·604	P	70	56	45	59	P	4·3	5·1	4·7	−0·8	23·85	4·38	Bellary.	South India—*concld.*
69·3	73·3	74·0	72·2	·662	·698	·727	·713		76	60	63	69		5·3	5·6	5·5		41·54	3·32	Waltair.	
40·2	50·3	51·4	47·3	·220	·209	·194	·209		74	36	30	48		1·6	2·4	2·0		8·51	0·91	Quetta . .	Hill Station, Baluchistan.
26·0	33·0	36·5	31·8	·131	·122	·133	·128	−·007	61	31	28	42	−9	4·8	6·0	5·4	−0·2	2·07	0·67	Leh . .	Hill Stations, Northern India.
42·7	52·2	58·3	51·1	·282	·404	·495	·367	+·004	86	82	77	82	+1	4·7	5·5	5·1	+0·6	32·69	2·54	Srinagar.	
	47·1	48·2			·259	·279				58	62			4·1	5·0	4·6		62·15	3·50	Sarain.	
43·9	47·6	49·4	47·0	·249	·263	·290	·266	−·017	66	55	59	62	+1	4·4	5·6	5·0	0	61·97	3·13	Simla (Ridge).	
44·6	50·1	51·0	48·6	·266	·300	·316	·295	−·003	71	59	61	65	0	4·0	5·2	4·6	0	80·08	5·20	Chakrata.	
48·5	53·6	54·2	52·1	·312	·341	·344	·333	−·009	72	59	56	64	−1	3·8	5·0	4·4	−0·5	54·58	4·44	Ranikhet.	
43·4	48·9	51·2	47·8	·247	·287	·313	·284		65	59	59	63		4·6	5·3	5·0		56·92	5·74	Muktesar.	
52·1	59·6	61·8	57·8	·412	·461	·458	·453	+·004	91	67	55	73	−1	3·9	4·8	4·4	−0·2	66·46	2·64	Katmandu.	
45·7	52·5	54·4	50·9	·306	·376	·413	·366	+·011	87	83	84	86	0	5·8	6·5	6·2	−0·5	108·01	5·48	Darjeeling.	
54·0	58·2	59·3	57·2	·338	·355	·351	·350	−·016	59	48	43	53	−1	3·1	3·1	3·1	−0·4	17·38	2·42	Mount Abu .	Hill Stations, Central India.
55·1	60·8	62·6	59·5	·394	·411	·407	·406	−·016	72	54	46	60	0	3·2	3·7	3·5	−0·9	64·37	10·25	Pachmarhi.	
56·8	61·6	63·5	60·6	·401	·424	·428	·420	−·011	67	54	48	59	−1	3·5	4·2	3·9	−0·5	44·86	3·20	Chikalda.	
45·2	52·7	53·9	50·6	·260	·323	·372	·318		70	62	76	72		4·7	7·0	5·9		46·62	2·33	Kodaikanal .	Hill Stations South India.
45·5	52·9	53·8	50·7	·284	·316	·355	·319		81	59	69	70		4·9	6·8	5·9		35·56	1·87	Ootacamund.	
	48·7	49·1			·279	·303				65	74			4·2	5·4	4·8		53·07	3·25	Dodabetta.	
71·4*	77·4	75·7	74·8	·689*	·850	·747	·801*		72*	72	59	70*		2·3	0·9	1·6		0·50	0·50	Aden . .	Extra India.
72·8	76·5	76·7	75·3	·727	·800	·791	·798		72	65	62	69		0·6?	0·3?	0·5?		1·81	0·56	Perim.	
	77·0	76·6			·834	·824				71	72			4·8	5·2	5·0		46·33	2·65	Minicoy.	
	75·2	75·6			·824	·798				82	72			6·9	6·1	6·5		86·73	4·12	Zanzibar.	
71·9	75·3	75·4	74·2	·773	·808	·806	·813		94	77	75	84		5·9	6·1	6·0		106·97	4·98	Port Victoria (Seychelles).	
			67·7				·607					75						43·91	4·70	Mauritius (Pamplemouses).	

* Mean of 11 months.

G. I. C. P. O.—No. 401 Meteo.—3·4·06.—000.

Corrigenda in India Monthly Weather Reviews for the year 1904.

TEXT.

Page.	Column.	Part.	Correction
8	1	January 1904 . .	*For* "separate by" *read* "separately" in the 6th line of paragraph 2.
320	1	September 1904 .	*For* "showrrs," "aboeve mentioned" and "exprienced" *read* "showers," "above mentioned" and "experienced" in the 7th, 9th and 10th lines, respectively, of paragraph 2.
359	...	October 1904 . .	*For* "3·94" and "—2·32" *read* "3·46" and "—2·80," respectively, against Lo wer Burma (Deltaic) in the figure columns 3 and 5 of the tabular statement.
359	...	Ditto . .	*For* "4·34," "5·73" and "—1·39" *read* "4·32," "5·68" and "—1·36." respectively, against Orissa in the figure columns 3, 4 and 5 of the tabular statement.
359	...	Ditto . .	*For* "1·06," and "—1·75" *read* "1·35," and "—1·46," respectively, against Chota Nagpur in the figure columns 3 and 5 of the tabular statement.
359	...	Ditto . .	*For* "2·93," and "+0·43" *read* "2·86," and "+0·36," respectively, against Bihar (South) in the figure columns 3 and 5 of the tabular statement.

Corrigenda in India Monthly Weather Reviews for the year 1904.—*continued.*

TABLES I AND II.

Page.	Part.	Table.	Meteorological Province or Station.	Heading.	Column number.	Correction.
ii	January 1904 . .	I	East Bengal . .	Number of District .	1	*For* "9" *read* "6."
xl	Ditto . .	I	Gilgit	Rainfall . .	50	*For* "0·2" *read* "0·21."
xviii	Ditto . .	II	Katmandu . . .	Temperature of air	19	*Insert* "+0·2."
xviii	Ditto . .	II	Ootacamund . .	Elevation of barcistern etc.	3	*For* "7,332" *read* "7,322."
xviii	Ditto . .	II	Port Victoria (Seychelles)	Temperature of air	19	*Insert* "—2·6."
xviii	Ditto . .	II	Mauritius (Pample Mouses).	Pressure . .	9	*For* "·95" *read* "·951."
xix	Ditto . .	II	Perim	Wind Direction .	48	*For* "S. 66° E." *read* "N. 86° E."
xxxviii	February 1904 . .	II	Katmandu . . .	Temperature of air	19	*Insert* "+1·7."
xxxviii	Ditto . .	II	Minicoy	Pressure . .	4, 5, 6, 7 and 9.	*For* "·998,*" "·924,*" "·074," "·763" and "·895*" *read* "·993," "·924," "·071," "·962" and "·894," respectively.
xxxviii	Ditto . .	II	Port Victoria (Seychelles)	Temperature of air	19	*Insert* "—1·4."
xxxix	Ditto . .	II	Perim	Wind Direction .	48	*For* "S. 63° E." *read* "N. 89° E."
xliii	March 1904 . .	I	Surma	Number of District .	58	*Insert* "7."
xlvii	Ditto . .	I	Bhuj	Rainfall . .	50	*For* "9·06" *read* "0·06."
xlvii	Ditto . .	I	Kathiawar and Cutch .	Number of District .	58	*For* "6" *read* "46."
xlvii	Ditto . .	I	.....	.....	58	*For* "Meteorological Province" *read* "Number of district" as heading of the column.
xlviii	Ditto . .	I	Bombay Deccan . .	Number of District .	1	*For* "8" *read* "38."
xlviii	Ditto . .	I	Tinnevelly . . .	Temperature of air	24	*For* "1" *read* "1st."
xlix	Ditto . .	I	Berar	Number of District .	58	*For* "1" *read* "41."
l	Ditto . .	I	Coorg	Ditto . .	1	*For* "5" *read* "35."
lvii	Ditto . .	II	Dehra Dun . . .	Rainfall . .	53 and 54	*Insert* "3·44" and "1·29," respectively.
lviii	Ditto . .	II	Katmandu . . .	Temperature of air	19	*Insert* "+1·7."
lviii	Ditto . .	II	Port Victoria (Seychelles)	Ditto .	19	*Insert* "—0·7."
lix	Ditto . .	II	Perim	Wind Direction .	48	*For* "S. 63° E." *read* "N. 89° E."
lxii	April 1904 . .	I	Bassein . . .	Temperature of air	22	*For* "h" *read* "28th."
lxii	Ditto . .	I	Barisal . . .	Ditto .	24	*For* "6h" *read* "6th."
lxiii	Ditto . .	I	.....	.....	...	*For* page number "lxii" *read* "lxiii."
lxvi	Ditto . .	I	Ludhiana . . .	Temperature of air	21	*For* "10·0" *read* "106·0."
lxvi	Ditto . .	I	Udaipur . . .	Ditto .	22	*For* "3th" *read* "30th."
lxxviii	Ditto . .	II	Katmandu . . .	Ditto .	19	*Insert* "+2·3."
lxxviii	Ditto . .	II	Port Victoria (Seychelles)	Ditto .	19	*Insert* "—0·6."
lxxxv	May 1904 . .	I	Gaya	Cloud . . .	45	*For* "0·5" *read* "+0·5."
xcii	Ditto . .	I	Kashgar . . .	Pressure, 8 A.M., in inches.	5	*For* "2·530" *read* "25·530."
xcii	Ditto . .	I	Minicoy . . .	Ditto .	7	*For* "29·881" *read* "29·831."
xcvii	Ditto . .	II	Roorkee . . .	Vapour tension .	28	*For* "+·02" *read* "+·022."
xcviii	Ditto . .	II	Srinagar . . .	Temperature of air .	10 12, 18 and 19.	*For* "73·3," "21·2," "62·1," and "—1·8" *read* "73·6," "21·5," "62·2 and "—1·7," respectively.
xcviii	Ditto . .	II	Katmandu . . .	Ditto .	19	*Insert* "—0·4."
xcviii	Ditto . .	II	Port Victoria (Seychelles)	Ditto .	19	*Insert* "—1·4."
xcix	Ditto . .	II	Srinagar . . .	Rainfall . .	53	*For* "3·73" *read* "3·95."

Corrigenda in India Monthly Weather Reviews for the year 1904—*continued.*

TABLES I AND II—*continued.*

Page.	Part.	Table.	Meteorological Province or Station.	Heading.	Column number.	Correction.
cii	June 1904	I	Krishnagar	Temperature of air	23	*For* "76" *read* "76·0."
cviii and cix.	Ditto	I	Bombay Deccan	Number of District	1 and 58	*For* "33" *read* "38."
cix	Ditto	I	Cochin	Rainfall	49, 51, 52 and 54.	*For* "36·66," "+7·67," "47·18" and "+5·80" *read* "35·22," "+6·23," "45·74" and "+4·36," respectively.
cix	Ditto	I	.....	.....	...	*For* "Meau of 28 days" *read* "Mean of 28 days" in the foot note marked "†".
cxiii	Ditto	I	Amini Divi	Rainfall	50 and 51	*Insert* "13·14" and "+4·61," respectively.
cxvi	Ditto	II	Dehra Dun	Temperature of air	13 and 15	*For* "102·3" and "36·2" *read* "103·0" and "36·9," respectively.
cxvii	Ditto	II	Akyab	Rainfall	53 and 54	*For* "48·23" and "6·61" *read* "48·18" and "6·56" respectively.
cxviii	Ditto	II	Katmandu	Temperature of air	19	*For* "−0·3§" *read* "+0·5§."
cxviii	Ditto	II	Port Victoria (Seychelles)	Ditto	19	*For* "−3·5§" *read* "−2·4§."
cxix	Ditto	II	Katmandu	Vapour tension	26	*For* "·636" *read* "·686."
cxxii	July 1904	I	Silchar	Temperature of air	21	*For* "1" *read* "96·1"
cxxxii	Ditto	I	Cherat	Ditto	21	*For* "02·4" *read* "102·4."
cxxxiii	Ditto	I	Zanzibar	Rainfall	49	*For* "·4" *read* "2·49."
cxxxiii	Ditto	I	Penang	Ditto	49 and 52 50 and 53	*Insert* "9·12" and "21·08," respectively. *Omit* "9·12" and "21·08," respectively.
cxxxiii	Ditto	I	Singapore	Ditto	49 and 52 50 and 53	*Insert* "8·00" and "15·68," respectively. *Omit* "8·00" and "15·68," respectively.
cxxxvii	Ditto	II	False Point	Wind velocity	51	*For* "287" *read* "298*."
cxxxviii	Ditto	II	Katmandu	Temperature of air	19	*For* "−0·7§" *read* "−0·3§."
cxxxviii	Ditto	II	Port Victoria (Seychelles)	Ditto	19	*For* "−3·1§" *read* "−1·8§."
cxliii	August 1904	I	Rangoon	Rainfall	49, 51, 52 and 54.	*For* "25·08," "+5·21," "71·30" and "+1·73" *read* "25·07," "+5·22," "76·23" and "+6·66," respectively.
cxliv	Ditto	I	Mainpuri	Temperature of air	24	*For* "44 days" *read* "4 days."
cxlviii	Ditto	I	Ratnagiri	Ditto	24	*For* "27th and 8th" *read* "27th and 28th."
cliii	Ditto	I	Chakrata	Rainfall	49, 51, 52 and 54.	*For* "27·22," "+8·04," "57·35" and "+6·90" *read* "27·47," "+8·29," "57·60" and "+7·15," respectively.
clii	Ditto	I	Jask	Wind velocity	39	*For* "8·7," *read* "10·0."
clviii	Ditto	II	Katmandu	Temperature of air	19	*For* "−0·4‡" *read* "+0·1‡."
clviii	Ditto	II	Port Victoria (Seychelles)	Ditto	19	*For* "−2·7‡" *read* "−1·2‡."
clix	Ditto	II	Pachmarhi	Rainfall	53	*For* "13·88" *read* "13·81."
clxiv	September 1904	I	Cooch Bihar	Temperature of air	22	*For* "12th 14th 15th" *read* "12th, 14th and 15th."
clxiv	Ditto	I	Cawnpore	Ditto	21 and 23	*For* "69·5" and "70·3" *read* "95·8" and "69·5," respectively.
clxviii	Ditto	I	X.—West Coast	Ditto	17, 19, 20 and 25.	*For* "+0·4," "+0·1," "8·2" and "13·2" *read* "+0·5," "+0·2," "8·1," and "13·1," respectively.
clxviii	Ditto	I	Ratnagiri	Ditto	16, 17, 18, 19, 20, 23 and 25.	*For* "74·9," "+0·5," "79·4," "+0·1," "9·0," "71·9" and "14·4," *read* "75·4," "+1·0," "79·7," "+0·4," "8·5," "72·4" and "13·9," respectively.

Corrigenda in India Monthly Weather Reviews for the year 1904—*concluded.*

TABLES I AND II—*concluded.*

Page.	Part.	Table.	Meteorological Province or Station.	Heading.	Column number.	Correction.
clxviii	September 1904	I	Cochin	Temperature of air	17	*For* "0·1" *read* "+0·1."
clxviii	Ditto	I	Calicut	Ditto	17	*For* "0·3" *read* "—0·3."
clxix	Ditto	I	Ratnagiri	Wind velocity	37	*For* "·2" *read* "8·2."
clxxiii	Ditto	I	Chakrata	Rainfall	52 and 54	*For* "61·57" and "+5·02" *read* "61·82" and "+5·27," respectively.
clxxvi	Ditto	II	Saugor Island	Elevation of bar-cistern, etc.	3	*For* "5" *read* "25."
clxxvi	Ditto	II	Ludhiana	Ditto	3	*For* "81" *read* "812."
clxxviii	Ditto	II	Katmandu	Temperature of air	19	*For* "—0·3††" *read* "+0·1††."
clxxviii	Ditto	II	Port Victoria (Seychelles)	Ditto	19	*For* "—3·0††" *read* "—1·7††."
clxxxii	October 1904	I	Barisal	Ditto	16, 17, 18, 19 and 20.	*For* "72·0," "—2·6," "80·1," "—1·4" and "15·4" *read* "73·4," "—1·2," "80·4," "—0·7" and "14·0," respectively.
clxxxiv	Ditto	I	North Bihar	Number of District	1	*For* "13" *read* "17."
clxxxviii	Ditto	I	X.—West Coast	Temperature of air	16, 17, 18, 19, 20 and 25.	*For* "75·5," "+0·4," "80·8," "+0·3," "10·5" and "17·0" *read* "75·7," "+0·5," "80·9," "+0·4," "10·3" and "16·8," respectively.
clxxxviii	October 1904	I	Ratnagiri	Ditto	16, 17, 18, 19, 20, 23 and 25	*For* "74·2," "+0·2," "81·1," "—0·1," "13·7," "69·9" and "27·4" *read* "75·4," "+1·4" "81·7," "+0·6," "12·5," "71·1" and "26·2," respectively.
clxxxviii	Ditto	I	.....	.....	...	*For* "glass but" *read* "grass hut" in the foot note (*a*).
clxxxix	Ditto	I	Jhansi	Rainfall	50	*For* "0·62" *read* "0·64."
cxciii	Ditto	I	Chakrata	Ditto	52 and 54	*For* "62·34" and "+5·01" *read* "62·59" and "+5·26," respectively
cxcviii	Ditto	II	Minicoy	Pressure	5	*For* "·579" *read* "·879."
cxcviii	Ditto	II	Port Victoria (Seychelles)	Temperature of air	19	*For* "—3·2‖" *read* "—1·8‖."
ccii	November 1904	I	Barisal	Ditto	16, 17 18, 19, 20, 23 and 25.	*For* "63·2," "—1·8," "72·2," "—1·7," "18·0," "54·2," and "32·6" *read* "65·5," "+0·5," "73·4," "—0·5," "15·7," "56·5" and "30·3," respectively.
ccxiii	Ditto	I	Kailang	Cloud	44	*For* "3·2" *read* "3·4."
ccxiii	Ditto	I	Chakrata	Rainfall	52 and 54	*For* "63·73," and "+5·85" *read* "63·98" and "+6·10," respectively.
ccxiii	Ditto	I	Zanzibar	Ditto	49	*For* "15·" *read* "15·34."
ccxvii	Ditto	II	Diamond Island	Ditto	53	*For* "2·17," *read* "2·27."
ccxviii	Ditto	II	Katmandu	Temperature of air	19	*For* "—2·6§" *read* "—2·1§."
ccxviii	Ditto	II	Port Victoria (Seychelles)	Ditto	19	*For* "—3·7§," *read* "—2·3§."
ccxix	Ditto	II	Salem	Humidity	31	*For* "6" *read* "46."
ccxix	Ditto	II	Port Victoria (Seychelles)	Rainfall	53	*For* "24·0" *read* "24·03."
ccxxii	December 1904	I	Akyab	Temperature of air	23, 24, and 25.	*For* "61·7," "7th" and "30·6," *read* "67·2," "24th" and "15·1," respectively.
ccxxii	Ditto	I	Barisal	Ditto	16, 17, 18, 19, 20, 23 and 25.	*For* "55·0," "—1·1," "66·3," "—0·6," "22·6," "47·7" and "35·1" *read* "57·7," "+1·6," "67·7," "+0·8," "19·9," "50·4" and "32·4," respectively.
ccxxix	Ditto	I	X.—West Coast	Cloud	45	*For* "—0·3" *read* "+0·3."
ccxxxiii	Ditto	I	Amini Divi	Rainfall	51	*For* "—0·81," *read* "—0·31."
ccxxxviii	Ditto	II	Katmandu	Temperature of air	19	*For* "—4·2**" *read* "—3·3**."
ccxxxviii	Ditto	II	Port Victoria (Seychelles)	Ditto	19	*For* "—0·4**" *read* "+0·7**."

EXPLANATION OF PLATES.

PLATE I.—A chart of India shewing the 11 meteorological provinces and 57 districts of India.

PLATE II.—A chart of India shewing normal monthly rainfall and the departure from normal of the actual monthly rainfall, January and February 1904. This chart and the three following charts have been prepared to illustrate the data given in Table XXIX. These charts are drawn up in the same manner as the rainfall chart (Plate V) in the Monthly Weather Reviews of the year 1904.

PLATE III.—A chart of India shewing normal monthly rainfall and the departure from normal of the actual monthly rainfall, March to May 1904.

PLATE IV.—A chart of India shewing normal monthly rainfall and the departure from normal of the actual monthly rainfall, June to October 1904.

PLATE V.—A chart of India shewing normal monthly rainfall and the departure from normal of the actual monthly rainfall, November and December 1904.

PLATE VI.—Chart shewing tracks of the more important cyclonic storms of 1904 in the Indian area during the south-west monsoon, a brief summary of which is given on pages 477 to 479.

Explanation.

The name of the district can be at once ascertained by referring in the following list to the number given near the right hand boundary of each district in small slanting red figures.

1. Tenasserim	17. North Bihar	33. Malabar	48. Baluchistan Hills
2. Lower Burma Deltaic	18. United Provinces, East	33a Travancore	49. Central India, East
3. Central do.	19. South Oudh	34. Madras, South Central	49a Do. do.
4. Upper do.	20. North do.	35. Coorg	50. Rajputana East, Central India West
5. Arakan	21. U. Provs., Central	36. Mysore	51. West Rajputana
6. East Bengal	22. Do., West	37. Konkan	52. Madras, East Coast, North
7. Assam, Surma	23. Do., East Submontane	38. Bombay Deccan	53. Hyderabad, South
8. Do., Hills	24. Do., West do.	39. Hyderabad, North	54. Madras, Central
9. Do., Brahmaputra	25. Do., Hills	40. Khandesh	55. Do., East Coast, Central
10. Deltaic Bengal	26. South East Punjab	41. Berar	56. Do., East Coast, South
11. Central do.	27. South do.	42. Central Provinces, West	57. Do., South
12. North do.	28. Central do.	43. Do., Central	
13. Bengal Hills	29. Punjab, Submontane	44. Do., East	
14. Orissa	30. Do., Hills	45. Gujarat	
15. Chota Nagpur	31. West Punjab	46. Kathiawar and Cutch	
16. South Bihar	32. North West Frontier Province	47. Sind	

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Explanation.

The Chart gives the departures of the rainfall of the month (to tenths of an inch) from the normal over the whole of India and Burma. The country is divided into 57 areas, over each of which the meteorological conditions are fairly uniform, and the staple crops similar in character; and the means (both actual and normal for the month) have been calculated, and the numbers given in the centre of each division (usually with a + or − sign attached) give the difference between the actual and normal mean rainfall of the district of the month. A plus sign indicates that the rainfall was in excess, and a negative sign that it was in defect by the amounts indicated by the numbers to which the signs are attached. The normal average rainfall is also given below in smaller figures enclosed within brackets so that the percentage departure from the normal can be at once estimated. The name of the district can be at once ascertained by referring in the following list to the number given near the right hand boundary of each district in small slanting red figures.

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5. Arakan	21. United Provinces, Central	36. Mysore	51. West Rajputana
6. East Bengal	22. Do. do., West	37. Konkan	52. Madras, East Coast, North
7. Assam, Surma	23. Do. do., East Submontane	38. Bombay Deccan	53. Hyderabad, South
8. Do., Hills	24. Do. do., West do.	39. Hyderabad, North	54. Madras, Central
9. Do., Brahmaputra	25. Do. do., Hills	40. Khandesh	55. Madras, East Coast, Central
10. Deltaic Bengal	26. South East Punjab	41. Berar	56. Do. East Coast, South
11. Central do.	27. South do.	42. Central Provinces, West	57. Madras, South
12. North do.	28. Central do.	43. Do., Central	
13. Bengal Hills	29. Punjab, Submontane	44. Do., East	
14. Orissa	30. Do., Hills	45. Gujarat	
15. Chota Nagpur	31. West Punjab	46. Kathiawar and Cutch	
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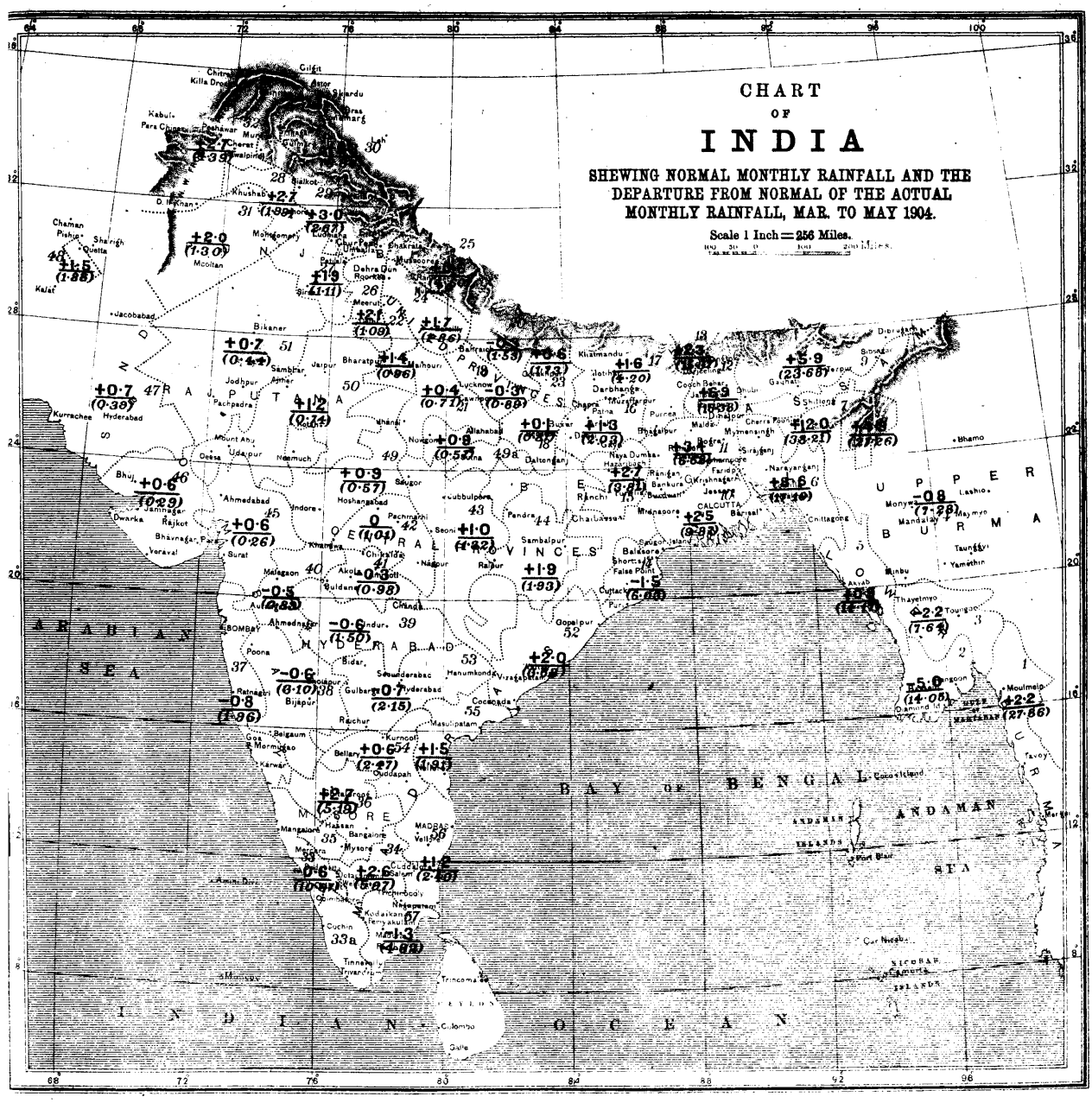

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21. United Provinces, Central
22. Do. do., West
23. Do. do., East Submontane
24. Do. do., West do.
25. Do. do., Hills
26. South East Punjab
27. South do.
28. Central do.
29. Punjab, Submontane
30. Do., Hills
31. West Punjab
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35. Coorg
36. Mysore
37. Konkan
38. Bombay Deccan
39. Hyderabad, North
40. Khandesh
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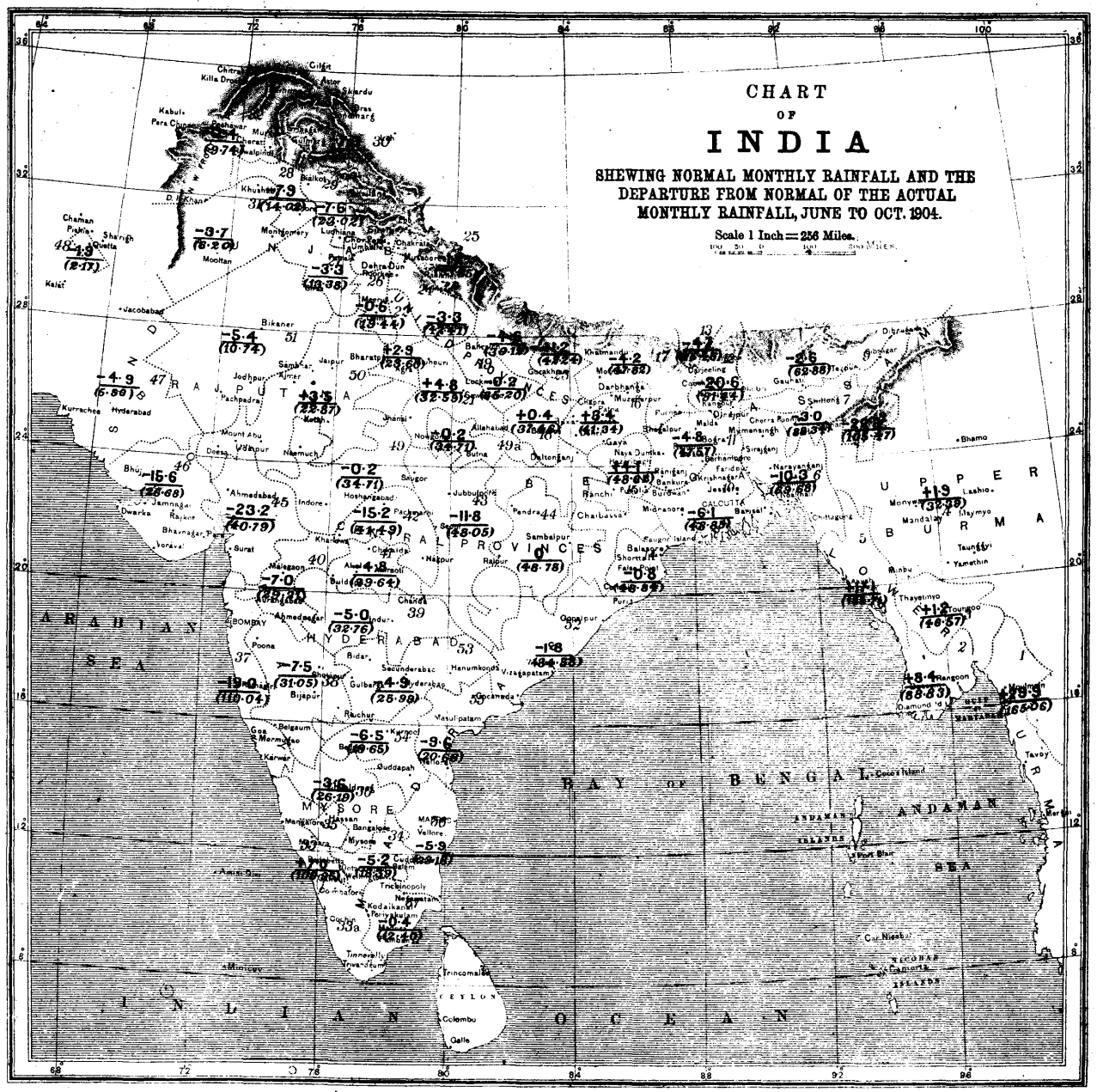

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23. Do. do., East Submontane
24. Do. do., West do.
25. Do. do., Hills
26. South East Punjab
27. South do.
28. Central do.
29. Punjab, Submontane
30. Do., Hills
31. West Punjab
32. North West Frontier Province
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39. Hyderabad, North
40. Khandesh
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43. Do., Central
44. Do., East
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46. Kathiawar and Cutch
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50. Rajputana East, Central India West
51. West Rajputana
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53. Hyderabad, South
54. Madras, Central
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56. Do. East Coast, South
57. Madras, South

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20. North do.
21. United Provinces, Central
22. Do. do., West
23. Do. do., East Submontane
24. Do. do., West do.
25. Do. do., Hills
26. South East Punjab
27. South do.
28. Central do.
29. Punjab, Submontane
30. Do., Hills
31. West Punjab
32. North West Frontier Province
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34. Madras, South Central
35. Coorg
36. Mysore
37. Konkan
38. Bombay Deccan
39. Hyderabad, North
40. Khandesh
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43. Do., Central
44. Do., East
45. Gujarat
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54. Madras, Central
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GOVERNMENT OF INDIA
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GOVERNMENT OF INDIA.
METEOROLOGICAL DEPARTMENT.

MONTHLY WEATHER REVIEW,

DECEMBER, 1904.

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METEOROLOGICAL DEPARTMENT.

INDIA WEATHER REVIEW.
ANNUAL SUMMARY, 1904.

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