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GOVERNMENT OF INDIA.

METEOROLOGICAL DEPARTMENT.

MONTHLY WEATHER REVIEW.

PUBLISHED BY ORDER OF

THE GOVERNMENT OF INDIA.

CALCUTTA, JANUARY, 1906.

INTRODUCTION.

THIS review of the weather in India for the month of January, 1906, is based on observations taken daily at 8 hrs. at 234 stations and on additional observations recorded at 10 hrs. and 16 hrs. at 63 stations. In the case of the rainfall section of the review there are utilized the data afforded by the meteorological observatories and such rainfall statements of the month as had been published in the Government Gazettes by the Provincial Governments prior to the date of the publication of the review. Brief notes on solar, seismic and magnetic disturbances are supplied by the chief observatories. In the remaining monthly reviews of the present year the brief statements of the methods of recording and tabulating the data, for each of the elements of observation, given in the present number at the commencement of each section, will not be repeated.

Summary of the chief features of the weather in India during the month of January, 1906.

Weather in Persia and northern India has been on the whole slightly more disturbed than is usual in the month of January, but with one exception the depressions travelling from the west, to which such disturbances in the winter months are chiefly due, have been weak or have met with conditions unsuitable for the production of rain. Although, therefore, seven definite centres of low pressure have started from or crossed Persia on an eastward course, only six actually entered India, and only one, that of the five days from the 25th to the 29th, gave serious rainfall in the areas affected. An eastward travelling depression, however, which arose in Central India was fruitful of rain in the north-east, and a storm from the Bay, of a character very unusual in the month of January, was the cause of the only wet weather which occurred in the south of the Peninsula.

In the early days of the month conditions were everywhere fairly settled, and the weather, though cold over the whole of north-west India, was from 3 to 4 degrees warmer than usual over the greater part of the Peninsula. Pressure was nearly normal until the 7th, when the approach of the first depression of the month suddenly lowered the barometer in the North-West Frontier Province and the Punjab by a fifth of an inch; air temperature had risen considerably on the previous day as is usual in the front of a winter storm, and, with the passage of the disturbance centre, fell again by 12 degrees in the North-West Frontier Province, being on the 10th as much as 10 degrees in defect of the normal.

Cold weather conditions persisted in the north, and, spreading southwards, embraced by the 15th the greater part of the Peninsula; the central portions of the country were then from 6 to 8 degrees below normal, and pressure conditions in the north appeared settled.

Signs of the Bay disturbance in the south had shown themselves on the 14th, and, with the approach of the storm centre to the Madras coast, became accentuated. The pressure fell, until on the 17th an area round Pamban showed a defect of 0·100″, which disappeared as the storm moved across the Peninsula. Temperature, which had fallen slightly about three days before the depression crossed the coast of Madras, rose rapidly with the near

approach of the disturbance and during its disappearance, so that on the 19th temperatures 10 degrees above normal had replaced the slight defects existing some days previously.

Three abortive depressions had meanwhile affected the north—from the 8th to the 11th, from the 12th to the 14th, and from the 14th to the 16th—and a fourth, equally without rainfall result, had started strongly from Baghdad on the 19th. This last depression died out on the Indian border on the 23rd.

Weather in the Peninsula had been since the 18th from 2 to 8 degrees warmer than is normal, but in Bengal had remained consistently cold since the beginning of the month.

From the 19th until the approach of the rain storm of the 28th and 29th conditions in the north-west remained settled, with nearly normal pressures and high temperatures; but in the north-east the rain-bearing storm, which arose in Central India on the 21st, gave during the three succeeding days more or less general wet weather in Orissa and Bengal, and some local falls in Assam, temperature rising meanwhile by 3 or 4 degrees in those areas.

The most fruitful rain storm of the month, from the 28th to the 29th, started from Asiatic Turkey on the 25th, and almost immediately influenced north-west India with a fall of the barometer and gathering cloud. It resulted in nearly general and much-needed rain in the United Provinces and submontane Punjab, and gave snow in Kashmir.

During the closing days of the month temperature was still in defect in north-west India, but in Bengal a rise had taken place, and warm weather prevailed there from the 24th to the 30th. By the 31st a fresh and rapid fall of temperature had occurred in Bengal, Orissa, Bihar and Chota Nagpur in consequence of the passage of the rain storm depression across those areas; pressure was by then nearly normal over the whole country.

A character of the winter storms, which is usually prominent, is the high temperature accompanying them in the clouded area to the front of the storm centre and the complementary low temperature in the clear area behind. During this month, however, the number of such depressions has been so considerable that, with the exception of the first, which succeeded a period of calm weather, the temperature changes of each depression have been mingled with the complementary changes of those on either side of it in its travel, and very little emphasis of these conditions has occurred at the ground level: most of the depressions of January, therefore, passed into India practically unaccompanied by the usual waves of hot and cold weather.

The following statement presents the average conditions that existed during the month:—

(i) The geographical distribution of pressure deviated only slightly from the normal, with tendencies to low pressure over the Peninsula, and thence northward across the Central Provinces, Chota Nagpur and Bihar up to the Himalayas, and to high pressure in north-west and north-east India. The mean geographical departure from normal for the whole area was +·002″.

(ii) Maximum temperature was low in the areas of high pressure mentioned in (i), *i.e.*, in north-west and north-east India, and high in the areas of low pressure; but the places were few in which the deviations exceeded ±3 degrees.

(iii) Minimum temperature showed the same distribution as maximum temperature, except in the north-east, where, in Bengal, it was practically normal, and in the east of the United Provinces, where it was distinctly in defect.

(iv) Rainfall occurred chiefly in the Peninsula, Bengal, the east of the Central Provinces and in the north-west submontane districts: humidity, both absolute and relative, and cloud presented similar features of distribution.

Solar, seismic and magnetic disturbances.

The following reports regarding solar, seismic and magnetic disturbances during the month of January, 1906, have been received from the chief observatories:—

Kodaikanal.—Solar Observations, January, 1906.

There was only one day (16th) on which no observations could be made: on two other days prominences could not be observed, and on four others the work was incomplete. The seeing was, however, better than in December, especially after the heavy rain towards the middle of the month.

Sunspots.—There were 22 new groups of spots seen during the month, and the mean daily number for the whole month was 4·3. In the early part of the month spots were few and for the most part small, and on the 18th only one group was visible. From that date, however, they became more numerous, and on the 26th eight groups were visible at once. The distribution between the two hemispheres continued very unequal, for there were 16 groups in the northern and only 6 in the southern hemispheres. The mean latitude of the northern spots was 10°, and the extremes 3° and 18°: the mean latitude of the southern groups was 12° and the extremes 7° and 20°. The more important groups of the month were Nos. 739, 745 and 750, of which 739 was a return of group 719, considerably changed in form. No. 745 formed on the visible surface on the 21st as a group of small spots, which soon developed into a double-spot group of considerable size. The group showed several marked changes during its passage across the disc, and was disturbed spectroscopically. No. 750 was an irregular group of large spots that came round the limb on the 26th and underwent comparatively little change, except that it decreased in size on the last day of the month. D_3 was seen dark in groups 736, 748 and 750.

Prominences.—The number of prominences continued small during the first week of the month, but after that there was a marked rise in the daily number, especially

towards the end of the month. Prominences of 100″ and upwards were seen on 8 days. One prominence on the 8th covered 25° of the south-west limb and culminated in a peak two minutes high. A very striking prominence was seen on the 20th at the east limb. As observed in C light at 9h. 15m., it was 120″ high, and showed motion in the line of sight. It was photographed in H light at 8h. 45m., and was then 150″ high and totally different in shape from the form sketched half an hour later. Prominences 120″ high were seen at latitude —15° east on the 24th and 25th: on the latter date the prominence was of an extremely irregular form, and the upper part was completely separated from the lower. Perhaps the most striking feature of the whole month's observations was the enormous area round the spot group 750, which seemed to be sending out prominences. This group was on the limb on the 26th: it was preceded by prominences on the 25th and followed by them up to the end of the month. The prominences in that region on the 30th were very striking. One of them appeared in the spectroscope as a great cloud floating at a height of 70″ above the chromosphere, but the photograph showed that it was connected by thin filaments with a large prominence nearly 20° nearer the Equator. Metallic prominences were observed on the 6th, 8th and 11th. On the 11th C and D_3 were slightly displaced to violet in the whole prominence.

There was a moderate magnetic disturbance from 18h. 0m. on January 31st to 3h. 30m. on February 1st. Spot group 752 formed a little to the west of the central meridian between the 30th and 31st, and group 750 was a little to the east of the central meridian on the 31st.

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

January, 1906.—Note on the Colaba Magnetic record:—During the month the traces showed 17 calm days, 13 days of small and 1 day of moderate disturbances.

The selected quiet days of the month were the 1st, 11th, 16th, 20th and 30th.

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

Declination	0° 13′ 37″ East.
Horizontal Force	·37412 C. G. S. unit.
Dip	22° 1′·3.
Horizontal Force range	·00030 C. G. S. unit.
„ „ summed range	·00188 „ „
Declination range	2′·11.
„ summed range	7′·82.

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

Five seismic disturbances were recorded during the month on the 7th, 16th, 21st, 27th and 31st, that recorded on the 31st being the largest with an amplitude of 15·2 m.m.:—

Magnetic Disturbances, January, 1906.

January, 1906.		January, 1906.		January, 1906.	
1	C.	11	C.	21	S.
2	S.	12	S.	22	S.
3	C.	13	S.	23	C.
4	C.	14	S.	24	C.
5	C.	15	S.	25	C.
6	C.	16	C.	26	C.
7	C.	17	C.	27	S.
8	S.	18	C.	28	S.
9	S.	19	S.	29	S.
10	C.	20	C.	30	C.
				31	M.

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

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

Alipore:—List of displacements recorded by the Seismograph at the Alipore Observatory during January, 1906:

Date 1906.	P. T. Commencement G.M.T.	L.W. Commencement G.M.T.	Maxima. G.M.T.	End. G.M.T.	Maximum amplitude in m.m.	Duration.	REMARKS.
	H. M.	H. M.	H. M.	H. M.		H. M.	
6-1-06	21-44 5	22-10 0	22-12 0	22-21 2	1·25	0-36 7	
7-1-06	16-6·9		16-7·9	16-21·2	0 75	0-14 3	
14-1-06	19-36 3	19-42·4	19-41·4	19-57·6	1 00	0-21 3	
21-1-06	13-56 6	14-0 7	14-9 9	15-11 9	5 50	1-15 3	
24-1-06	7-34·1	7-38·1	7-40 2	8-31 0	0 75	0-56 9	Sensibility 1 m m. =0″·38 of tilt.
	22-31 8	22-32·9	22-34·9	22-45·1	0 50	0-13 3	
27-1-06	9-59·9	10-9·1	10-18·2	11-15·2	5 00	1-15 3	
28-1-06	15-3·8	15-6 8	15-9·9	1 -23 1	0 50	0-19 3	
31-1-06	15-54 8		(a)	20-44·4	(a)	4-49·6	

(a) As the boom moved out of range the times of the maximum displacement and its amplitude cannot be determined.

The local times of the commencment.

Date, 1906.	H.	M.
January 7th	3	37·8
„ 7th	22	0·2
„ 15th	1	29·6
„ 21st	19	49·9
„ 24th	13	27·4
„ 25th	4	25·1
„ 27th	15	53·2
„ 28th	20	57·1
„ 31st	21	48·1

C. W. PEAKE,
Assistant Meteorological Reporter to the Govt. of India.

Simla:—List of earthquakes recorded by the Omori-Ewing Seismograph at the Simla Observatory during January, 1906:—

Date.	Commencement of P. T. G.M.T.	End of P. T. G.M.T.	Beginning of L. W. G.M.T.	Maxima. G.M.T.	End approximately. G.M.T.	Maximum amplitude in m.m.	Duration approximately.	Remarks.
	H. M.	H. M.	H. M.	H. M.	H. M.		H. M.	
21st	...	...	12 22·7	...	12 48·9	·05	0 26·2	Distant.
25th	...	...	...	4 17·0	...	·03	0 0·2	Local.
29th	...	...	...	10 17·3	10 18·6	·03	0 1·0	„

J. PATTERSON,

Offg. Meteorological Reporter to the Govt. of India and Director General of Indian Observatories.

Royal Alfred Observatory, Mauritius, Solar observations:—Sunspots and faculæ were observed on all days, except the 1st and from the 25th to the 30th.

The following are the magnetic disturbances recorded during the month. The measurements are given in C.G.S. measure for horizontal and vertical forces, and in minutes of arc for declination:—

Day.	Magnetic disturbances.
13	6 hrs. 20 mins. Sudden increase of H. F. (+·00010).
21	23½ hrs. to 24 hrs. Wave in H. F. (+·00011); in declination (+0′·9).
22	9 hrs. to 9½ hrs. Wave in H. F. (+·00008); in declination (+0′·4).
27	1½ hrs. to 4 hrs. Irregular wave in H. F. (+·00009).
day not reported	13½ hrs. till February 1st 2 hrs. Wave in H. F. (—·00150) followed by a decrease of force (·00028) until February 1st at 3½ hrs. Wave in declination (—3′·0). February 1st 1½ hrs. till 3½ hrs.

T. F. CLAXTON,
Director.

Weather over the Indian monsoon region.

The following table shows the mean conditions which have prevailed during January, 1906, in the region of the south-east Trades as far as the four stations mentioned represent them:—

Departure from normal of	Mauritius.	Durban.	Zanzibar.	Seychelles.
Mean pressure	+·029″	—·042″*	+·008″	+·025″
Normal mean wind direction	S 86° E	...	N 33° E	N 42° W
Actual mean wind direction	S 76° E	...	N 53° E	N 32° W
Normal mean wind velocity	266	...	187	144
Actual mean wind velocity	238	...	139	157
Rainfall departure	—4·41	—2·39	+3·34	+2·04

*From the mean of 9 hrs. and 15 hrs. pressures.

The defect of rainfall at Mauritius was probably not of a local character, for in approximately the same south latitude, *viz.*, at Durban, the amount received was also deficient. Nearer the Equator, however, at Zanzibar, rainfall was in excess of the normal.

Over the land area, including Aden, Perim, Baghdad, Muscat and Jask, the mean monthly pressure has been slightly in excess, and further to the north and east, over Siberia, considerably larger excesses, reaching as much as a quarter of an inch in several places, have been registered.

Depressions and cyclonic storms of the month.

There are two classes of depressions which may occur in or affect the Indian area during the month of January, sharply separated from one another by the characters of their movement and also possibly by the altitudes of their respective sources of energy. First, there is the depression, very prevalent during the winter months, which has its origin in Baluchistan, Persia, or even further west, and which, confining itself to latitudes greater than 20° N, travels eastwards at rates greatly in excess of those exhibited by summer cyclones in their westerly course. Secondly, there is the depression of a more moderate character, which is analogous to the summer cyclones of the Bay of Bengal, arises in lower latitudes, and travels slowly in some direction with a westerly component. It is doubtful whether any depression of this nature has occurred or been recorded in January previous to this year.

This month there have occurred—

(α) A considerable number of depressions of the former type, which have been formed in Asiatic Turkey in the neighbourhood of Baghdad or still further west (Baghdad is the most westerly station reporting daily to the department), and have followed their normal easterly course towards India.

(β) One depression of the same type, which appears to have been formed over Central India, and, after a short life with an eastward movement, to have died out in Orissa and Bengal.

(γ) One depression of the second type, which was formed over the south of the Bay of Bengal, and with a slow westerly motion crossed the Madras coast and gave considerable rainfall over the south of the Peninsula during the three or four final days of its activity.

This depression is the first of its kind which has been recorded in January.

Of this month's depressions coming under heading (*a*), it may be said that they have been in most cases slight, have given little or no rain, and have possessed only a technical interest. An exception occurred with the growth of the deep depression which crossed the Indian border from Baluchistan during the 26th, and gave nearly general and much-needed rain in the United Provinces and the submontane districts of the Punjab, and very local rain in Central India and the Central Provinces.

The history of this movement may be summarised thus:—

25th, 8 hrs.—Slight indications at Baghdad of its formation.

26th, 8 hrs.—Strong development in Persia, and extension of influence eastward as far as Karachi; maximum round Baghdad and Bushire, or in the unreported country further west.

27th, 8 hrs.—Strong effect visible in the N.-W. Frontier Province and the Punjab. Fall of barometer exceeding 0·1″ over parts of those regions; skies considerably clouded, but no rain.

28th, 8 hrs.—Rapid fall of barometer by a sixth of an inch in Kashmir; slight rise of pressure and cloudy skies in the country skirting the foot of the Himalayas; snowfall in Kashmir, nearly general rain over the large area comprising the United Provinces and the submontane districts of the Punjab, and local rain in Central India and the Central Provinces.

29th, 8 hrs.—Recovery of pressure in Kashmir, and rapid fall in the Assam Valley, thick cloud there resulting in light rain over Assam during the next two days.

An examination of the other depressions of extra-Indian origin, five in number, which have approached from the west during the month, shows that either their character was *ab initio* too feeble to permit their passage over the whole tract of country separating their birth-place from India, or that after crossing the border they were not sufficiently active to cause serious precipitation. A few notes on these depressions are appended:—

(*a*) *January 4th, 8 hrs.*—Disturbance forming near Baghdad, or approaching from the west.

January 5th.—Rain falling over Persian Gulf.

January 6th.—Greatest fall of pressure at Karachi, of stations in the winter storm track.

January 7th.—Punjab border crossed; centre of low pressure passing over area between Bikaner and Montgomery, where the barometer had fallen a quarter of an inch since the previous day.

January 8th.—Lahore strongly affected; disappearance of depression during the day.

Except at a few hill stations and in Kashmir, where the influence of the depression was most marked, skies there being overcast and snow falling on several days, no precipitation and comparatively little cloud attended the passage of this disturbance from the time of its entry into India till its disappearance on the 8th. The depression was not, however, markedly shallow, for it caused a fall of pressure during the 6th of 0·2″ over the Punjab and in Kashmir, resulting in a departure from normal pressure exceeding a quarter of an inch.

(*b*) *January 8th.*—Indications of disturbed conditions in Persia and at Baghdad.

January 9th.—Baluchistan and Karachi affected, and the barometer one-tenth of an inch below normal; light showers in Gujarat and Sind during the course of the day.

January 10th to *11th.*—Gradual disappearance during easterly travel. No further rain.

(*c*) *January 12th.*—Indications at Baghdad.

January 13th.—Rain at Jask and Ispahan.

January 14th.—Indian border crossed during day with only slightly marked fall of pressure; cloud in Baluchistan. Disturbance disappeared.

(*d*) *January 14th.*—Indications at Baghdad.

January 16th.—Pressure in Baluchistan and at Karachi affected; cloud in N.-W. Frontier Province and the north Punjab with a fall of the barometer of a tenth of an inch. No rain. Depression disappeared.

(*e*) *January 19th.*—Depression influencing Baghdad.

January 20th.—Area of influence included Bushire.

January 21st.—Development occurred with centre about latitude of Ispahan 32°N.

January 22nd.—Strong influence at Jask and in Baluchistan, with a departure from normal of pressure at Chaman and Karachi, exceeding a tenth of an inch.

January 23rd.—Rain and snow during day in Baluchistan and snow in Kashmir Himalayas.

This depression cannot be said to have actually entered India.

(*f*) Almost immediately following the active depression first above summarised, a second one, widespread and deep, appeared in Persia and took a course which lay more to the southward, at any rate in its western part. Its history up to the end of the month is simply given:

January 27th.—First appearance in Baghdad.

January 28th.—Development and fall of 0·1″ at Bushire.

January 29th.—Easterly movement and further fall of 0·25″ at Bushire.

January 30th.—Bushire and Jask passed; skies already freshly clouded over the N.-W. Frontier Province and the west Punjab.

January 31st.—Depression entering India; cloudy skies becoming more general over north-west India. Rain in Baluchistan.

The depression of the same type previously referred to, (*β*), which developed in Central India, was first definitely noticeable on the morning of the 21st. A rapid fall of the barometer had been occurring during the previous 24 hours and was then drawing the winds from the Bay into a well-marked cyclonic circulation round the area between Aliaha-

bad and Ranchi, and by the morning of the 22nd fairly general rain had fallen in Bengal and Orissa. The depression passed eastwards, and caused rain in diminishing amounts throughout the two succeeding days.

The depression (γ), which was formed in the Bay of Bengal and which, after travelling westward, watered the south of the Peninsula, was first indicated on the 13th as a slightly disturbed condition some distance to the east of the Madras coast. With its development and passage westward during the 14th and 15th it had taken definite shape by the morning of the 16th, and rain had begun to fall on the Coromandel coast. The rainfall increased in amount and became fairly general over the south of the Peninsula during the three following days, but by the end of that time, air pressure in the south having risen considerably, exceeded its normal value, and the general wet weather gave place to scattered rain, which lasted until the 23rd. The total depth of the depression was one-sixth of an inch, and it caused high seas along the south of the east coast from the 13th to the 16th of the month.

Pressure.

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

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

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

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

Dehra.	Patiala.	Trivandrum.
Katmandu.	Six Islands (Chagos).	Wellington.
Kurnool.		

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

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

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

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

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

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

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

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

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

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

In Table II, columns 3 to 8, under the general heading "Pressure," are given for all stations recording observations at 10 hrs. and 16 hrs.—

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

(2) The mean daily range.

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

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

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

The distribution of the mean 8 hrs. pressure of the month is shown on two charts. The first chart (Plate I) gives the distribution of the mean pressure of the month reduced to sea-level and to constant gravity (that of Lat. 45°) by means of isobars drawn for differences of pressure of 0·05″, or $\frac{1}{20}$ of an inch. The second chart (Plate II) gives the departures from the normal of the actual mean 8 hrs. pressure reduced to 32°F.

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

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

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

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

For this month of January the mean 8 hrs pressure, averaged over the whole of the Indian area, was ·002″ in excess of the corresponding normal value. The chart on Plate II shows in the most convenient form the distribution of excess and defect of pressures which, when averaged, has given this result. Since the lines of equal departure from normal value run approximately in a direction from north to south, the gradients of actual pressure, which in winter run also from north to south (perpendicular to the isobars shown in Plate I), have remained unaffected over the larger part of the country.

Hill stations in Baluchistan show departures from normal of the same sign as those at stations in the plains of Sind and of higher values than would ordinarily be expected. In the west Himalayas, Simla, Chakrata and Ranikhet show defect, and the neighbouring plain stations an excess, and the same is the case with Mount Abu and Deesa. In the south the pressure at Wellington is in excess, while at the plain stations below it is in defect.

The effect of these differences is to give vertical pressure gradients greater than the normal in Baluchistan, and in the west Himalayas round Simla, and less than the normal in the south of the Peninsula.

The following table pairs together hill and plain stations, for which comparison statements have been published from time to time:—

Hill Station.	Departure from normal pressure, January, 1906.	Plain Station.	Departure from normal pressure, January, 1906.	Departure of pressure difference January, 1906.
Quetta	+·″025	Jacobabad	+·″046	+·″021
Leh	—·020	Lahore	+·003	+·023
Murree	+·001	Peshawar	—·004	—·005
Simla	—·010	Ludhiana	+·004	+·014
Chakrata	—·008	Roorkee	+·005	+·014
Ranikhet	—·011	Bareilly	+·002	+·013
Darjeeling	+·007	Dhubri	+·009	+·002
Lashio	—·023	Bhamo	+·030	+·053
Mount Abu	—·008	Deesa	+·012	+·020
Pachmarhi	—·005	Khandwa	—·002	+·003
Wellington	+·012	Coimbatore	—·010	—·022

The figures of departure from normal in the table below show that the condition of increased pressure extended westward from Baluchistan to Persia and Arabia, and that the nearly normal pressures of the south of the Peninsula and of the Bay increased in a southerly direction over the south-east Trades regions:—

Station.	Departure from normal of mean 8 hrs. pressure of January, 1906.
Trincomalee	+·″003
Colombo	+·001
Bushire	—·013
Jask	+·007
Muscat	+·008
Baghdad	+·008
Aden	+·024
Perim	+·032
Zanzibar	+·008
Seychelles	+·025
Mauritius	+·029

The principal features of the pressure distribution of the month may be summarized thus:—

(i) There was a geographical average of nearly normal value, actually ·002 in excess.

(ii) There was a gradient from the area of highest excess in Baluchistan eastwards to a trough of small defect in the east of the United Provinces and in Bihar: thence an up gradient across the rest of Bengal into the northern parts of Burma. The area of small defect ran from north to south, and included nearly the whole of the Peninsula.

(iii) The vertical pressure gradient between hill and plain varied in different parts of India on both sides of its normal value.

The following table supplements the chart of departure pressures, and is arranged according to the eleven meteorological provinces :—

Meteorological Province.	Departure from normal of mean 8 hrs. pressure of January, 1906.
	"
Burma Coast and Bay Islands	—·005
Burma, Inland	+·001
Assam	—·002
Bengal and Orissa	+·007
Gangetic Plain and Chota Nagpur	—·002
Upper Sub-Himalayas	+·009
Indus Valley and North-west Rajputana	+·024
East Rajputana, Central India and Gujarat	+·014
Deccan	—·005
West Coast	+·005
South India	—·010

Temperature.

The mean temperature data are given in Table I and Table II under the heading "Temperature of Air." In Table I they are based upon observations of the dry bulb thermometers recorded at 8 hrs. and of the maximum and minimum thermometers. In the preparation of the normal means of maximum and minimum temperature the same periods have been employed as for the normals of pressure, regarding which information has been given in the pressure section, p. 7 of this review. Departures of the mean maximum and minimum temperatures from the corresponding normal means for the month are given in Table I. The monthly mean of the mean between maximum and minimum, as given in this table, differs from the true mean of the day by a small amount, which varies from month to month.

It should be noted that for the purposes of Table I the mean temperature of the day really denotes the mean temperature of the 24 hours preceding 8 hrs. of the day in question, and that therefore the month for which the means are given in this table terminates at 8 hrs. of the last day of the month. In the case of Table II, however, the day or 24 hours period terminates at midnight (and not at 8 hrs. as in Table I), and the monthly means apply therefore to monthly periods ending at midnight of the last day of the month in question.

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

The departures from normal of the mean daily mean temperature of the month, given in Table II, have been obtained by a comparison of the actual mean with normal means calculated in the same manner. The normal means derived from all the available trustworthy temperature data for each station are given in the "Indian Meteorological Memoirs," Volume XVII, pages 16 to 20.

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

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

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

The charts on Plate III show the distribution of abnormal features in mean maximum and mean minimum temperature for the month of January this year, and Plate IV shows the map plotted with the average of these two measurements. A comparison of the maximum and minimum maps will show that the types of distribution were the same, *i.e.*, that areas of deficient day temperatures coincided in rather a marked manner with areas of deficient night temperature, and that this was also the case with areas of excess. The departures, both positive and negative, on the minimum map are more emphatic than are those of maximum temperature.

Hill stations show departures of the same sign as those of the plain stations around, in both maximum and minimum maps.

For extra-Indian stations, mostly not included in the charts, the following table gives information regarding departures from temperature normals :—

Station.	Mean temperature.		
	Actual, January, 1906.	Normal, January.	Departure from normal January, 1906.
	°	°	°
Trincomalee	79·2	78·9	+0·3
Colombo	80·4	7·98	+0·6
Kashgar	21·4	22·4	—1·0
Kabul	27·7	31·5	—3·8
Ispahan	36·3	34·8	+1·5
Bushire	56·7	57·9	—1·2
Jask	68·1	67·1	+1·0
Muscat	72·8	69·7	+3·1
Baghdad	47·5	49·2	—1·7
Aden	76·3	75·7	+0·6
Perim	78·4	77·1	+1·3
Zanzibar	81·5	81·9	—0·4
Seychelles	78·9	78·5	+0·4
Mauritius	78·6	78·9	—0·3

and the next table gives averages of the departures for the 11 meteorological provinces :—

Meteorological Province.	Departure from normal of		
	Mean maximum temperature, January, 1906.	Mean minimum temperature, January, 1906.	Mean temperature, January, 1906.
	°	°	°
Burma Coast and Bay Islands	+0·9	+3·8	+2·4
Burma Inland	—2·8	+2·6	—0·1
Assam	—0·6	—0·3	—0·5
Bengal and Orissa	—1·5	+0·2	—0·7
Gangetic Plain and Chota Nagpur	—1·1	—1·4	—1·3
Upper Sub-Himalayas	—0·6	—3·1	—1·9
Indus Valley and North-West Rajputana.	—0·5	—3·1	—1·9
East Rajputana, Central India and Gujarat.	—1·5	—3·2	—2·4
Deccan	—0·2	+0·2	0
West Coast	—1·6	+1·2	—0·2
South India	+1·9	+3·7	+2·8

No chart is published with *actual* average maximum and average minimum temperatures, but this information appears in the following table, which contains also columns of mean daily range, absolute range during the month and of departures for the 57 divisions named :—

Province.	Division.	Actual temperature.					Departure from normal of month of		
		Mean maximum.	Mean minimum.	Monthly mean of mean between maximum and minimum.	Mean daily range of temperature.	Absolute range during month.	Maximum.	Minimum.	Daily range.
		°	°	°	°	°	°	°	°
Burma	Tenasserim	90·1	72·6	81·3	17·5	25·0	+2·0	+4·6	—2·6
	Lower Burma (Deltaic)	87·0	69·5	78·3	17·5	26·6	+0·8	+3·9	—3·1
	Central do.	86·0	57·6	71·8	28·5	43·9	+0·2	+4·4	—4·2
	Upper do.	80·3	55·7	68·0	24·6	38·1	—2·8	+2·6	—5·4
	Arakan	78·8	59·5	69·2	19·3	28·8	—2·6	+0·2	—2·8
Bengal and Assam.	Eastern Bengal	75·8	53·6	64·7	22·3	35·2	—1·2	+0·2	—1·4
	Assam (Surma)	76·4	52·4	64·4	24·0	37·4	—1·4	+0·1	—1·5
	Do. (Hills)	59·1	41·3	50·3	17·8	29·1	...	...	...
	Do. (Brahmaputra)	72·1	50·5	61·3	21·6	33·1	—0·2	—0·5	+0·3
	Deltaic Bengal	76·1	55·0	65·6	21·1	36·7	—1·5	—0·2	—1·3
	Central do.	74·3	52·8	63·6	21·4	34·1	—2·5	0	—2·5
	North do.	73·4	50·1	61·8	23·3	36·1	—0·4	—0·6	+0·2

Province.	Division.	Actual temperature. Mean maximum.	Mean minimum.	Monthly mean of mean between maximum and minimum.	Mean daily range of temperature.	Absolute range during month.	Departure from normal of month of Maximum.	Minimum.	Daily range.
		°	°	°	°	°	°	°	°
Bengal and Assam	Bengal Hills	44·2	27·4	35·8	16·8	28·6	−0·3	−1·7	+ 3·0
	Orissa	80·0	60·4	70·3	19·6	36·4	−1·6	+1·4	− 1·4
	Chota Nagpur	74·1	50·8	62·5	23·3	38·3	−3·3	+0·1	− 3·4
	South Bihar	73·6	49·9	61·8	23·8	38·4	−1·2	−0·8	− 0·4
	North do.	72·5	48·4	60·5	24·1	36·7	−1·1	−1·3	+ 0·2
United Provinces of Agra and Oudh.	United Provinces (East)	74·8	45·1	60 0	29·7	46·6	+0·4	−3·0	+ 3·4
	South Oudh	71·8	43·7	57·8	28·1	44·6	−2·2?	−3·0	+ 0·8
	North do.	72·5	45·9	59·2	26·6	40·5	+0·1	−1·2	+ 1·3?
	United Provinces (Central)	74·3	46·1	60·2	28·3	44·3	+0·3	−2·1	+ 2·4
	Do. do. (West)	71·7	44·2	57·9	27·5	43·5	−0·3	−2·7	+ 2·4
	Do. do. (East Submontane)	70·5	49·0	59·8	21·5	34·0	−2·4	−0·2	− 2·2
	Do. do. (West Submontane)	68·5	41·9	55·2	26·6	41·6	−0·3	−3·2	+ 2·9
	Do. do. (Hills)	48·8	35·4	42·1	13·3	37·9	−2·5	−2·0	− 0·5
Punjab	Punjab (South-East)	69·3	45·0	57·2	24·3	38·2	−1·4	−2·9	+ 1·5
	Do. (South)	67·9	39·8	53·9	28·1	41·6	−2·2	−4·2	+ 2·0
	Do. (Central)	67·5	38·8	53·2	28·7	41·2	−1·5	−1·9?	+ 0·4
	Do. (Submontane)	65·7	39·4	52·6	26·3	39·6	−0·4	−2·7	+ 2·3
	Do. (Hills)	34·7	16·3	25·5	18·5	41·2	−3·3	−2·9	− 0·4
	Do. (West)	68·7	39·1	53·9	29·6	43·7	−0·1	−3·2	+ 3·1
N.-W. F. Province	North-west Frontier Province	65·5	37·6	51·6	27·9	43·1	−0·9	−2·4	+ 1·5
Bombay and Malabar Coast Districts (Madras).	Malabar	86 6	72·9	79·8	13·7	21·0	−0·5	+2·2	− 2·7
	Madras (South Central)	89·8	67·6	78·7	22·2	32·3	+2·2	+3 8	− 1·6
	Coorg	78·4	58·7	68·6	19·7	27·9	+0·7	+2·1	− 1·4
	Mysore	85·2	62·1	73·7	23·2	34·9	+3·8	+4·2	− 0·4
	Konkan	83·5	67·7	75·6	15·7	29·3	−2·5	+0·5	— 3·0
	Bombay Deccan	86·0	58·2	72·1	27·8	41·1	+0 4	+1·1	— 0·7
	Hyderabad (North)	84·8	57·9	71·4	26·9	39·1	...	...	...
	Khandesh	85·0	51·3	68·2	33·7	48·8	+0·2	0	+ 0·2
Central Provinces and Berar.	Berar	85·1	55·3	70·2	29·8	47·5	+0·2	−0·4	+ 0·6
	Central Provinces (West)	81·3	50·4	65·8	30·9	49·6	−1·3	−2·9	+ 1·6
	Do. do. (Central)	79·1	50·6	64·9	28·6	48·6	−0·7	−0·8	+ 0·1
	Do. do. (East)	79·4	54·0	66·7	25·4	41·1	−1·0	+1·0	— 2·0
Bombay (North)	Gujarat	83·1	51·6	67·4	31·5	47·6	−1·5	−3·4	+ 1·9
	Kathiawar and Cutch	79·7	52·0	66·0	27·7	41·7	−2·4	−2·4	0
	Sind	75·9	46·9	61·4	28·9	43·1	+0·1	−2·7	+ 2·8
	Baluchistan Hills	50·9	25·5	38·2	25·4	47·9	−1·3	−2 5	+ 1·2
Rajputana and Central India.	Central India	75·5	44·7	60·1	30·8	48·3	−1·3	−3·6	+ 2·3
	Rajputana (East)	73·9	44·1	59·0	29·8	46·2	−1·0	−4·6	+ 3·6
	Do. (West)	72·8	43·7	58·3	29·0	44·5	−3·0	−5·9	+ 2·9
Madras	East Coast (North)	81·6	68·6	75·2	13·0	24·9	+1·1	+4·4	— 3·3
	Hyderabad (South)	86·4	64·4	75·4	22·0	36·9	+0·6	+4·1	− 3·5
	Madras (Central)	89·9	66·7	78·3	23·2	36·3	+1·6	+5·5	— 3·9
	East Coast (Central)	85·6	68·9	77·3	16·7	24·8	+0·8	+3·1	— 2·3
	Do. (South)	85·5	70·8	78·2	14·7	23·0	+1·2	+2·6	— 1·4
	Madras (South)	88·4	71·6	79·8	16·8	24·5	+2·5	+1·4	+ 1·1

In connection with the Persian depression, which had crossed the Sind border by the 7th, a warm wave, followed by a cold wave, travelled into India.

The first raised the mean temperature over Gujarat, Rajputana and Central India between the 7th and 8th by various amounts with a maximum of 6 degrees at Jhansi, and the second caused a fall over Rajputana between the 8th and 9th of 8 degrees. Although the associated depression disappeared during the 8th, this wave continued to travel eastward, until by the morning of the 10th it had affected Bihar with a fall of about 5 degrees.

A small warm wave entered from the west during the 15th, and had reached Rajputana by the 17th. It travelled slowly eastwards, covering Bihar on the 22nd, where it practically died out. The wave had given along its course a rise of temperature of 6 to 8 degrees in 24 hours. Temperature fell slowly in its wake, but it can hardly be said to have been followed by a definite cold wave.

A warm wave associated with the large depression of the closing days of the month entered India from Baluchistan and the Arabian Sea between 29th and 31st, and caused a rise of 6 to 7 degrees in Gujarat.

In the south of the Peninsula a fall of 3 to 4 degrees preceded the rain storm, which passed over that region in the third week of the month. This slight cold wave passed north-westwards into Bombay by the 16th, and was followed

after two days by a warm wave, which accompanied the rainfall inland and then deviated north-westward, and gave on the 19th a temperature at Ahmednagar 12 degrees above normal. The rise at this place between the 16th and the 19th was 15 degrees.

High temperatures persisted in the south of the Peninsula during and after the rainfall till the 26th, and caused the mean temperature of the second half of the month to be considerably in excess of that of the first half in the country to the south of Hyderabad.

Winds.

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

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

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

For the month of January, 1906, the wind columns in Table II show that the following general departures from normal conditions have occurred:—

Over nearly the whole of India winds have departed from their normal directions in a positive or counter-clockwise direction, *i.e.*, south winds have become slightly east of south, west winds have become north of west, etc. On the coast round the Bay, however, at Akyab, Chittagong, Saugor Island and False Point, and over the east coast at Waltair and Madras, winds have rotated to a greater or less extent in the contrary or clockwise direction. Mean winds at Aden, Perim and Mauritius have been further south of east than the normal, and at Zanzibar have shown the same tendency by blowing from a direction further to the east of north.

2. Velocities, though approximately normal at most hill stations, have been in great excess at Chikalda and in defect at Quetta, where unusually calm weather has prevailed. At Port Blair, in the Andaman Islands and at Akyab mean winds have been very strong Apart from these, the only noticeable abnormalities are the strength of the wind at Bangalore and the large falling off of velocity at Belgaum. Winds at Aden are shown in Table II to have been weak, but this is not borne out by the register for Perim.

Generally the air movement has tended to be less easterly than is its normal direction in the Deccan, and more westerly on the west coast, along the Indo-Gangetic plain in Sind and in the north and west of the Punjab. It has been nearly normal in south India, and in the extra-Indian stations of Aden, Perim and Mauritius winds have tended to the south, and in Zanzibar have become less northerly than usual.

Humidity and cloud.

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

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

The proportion of cloud is estimated in tenths of the sky expanse, an overcast sky being denoted by 10 and a cloudless sky by 0. The monthly means in Table II are the arithmetical means of the cloud amounts at 10 hrs. and 16 hrs., and the normal means, with which the actual monthly means are compared, are derived from the available cloud data for the same hours.

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

The features of water vapour distribution and of humidity for the month of January, 1906, which are most clearly brought out by the charts on Plate V, are—

(I) The large area of defect over north-west and central India with maximum contour round Neemuch.

(II) The smaller area of excess in the south of the Peninsula and in Burma.

There is a general and rather close correspondence between the boundary lines of like condition in the two charts of departure (absolute humidity and relative humidity) which can only occur when the temperature chart also agrees with them in the contours of its departures from normal. It will be seen also that the maps of cloud departures and of rainy days have the same character of distribution.

Dividing the country into meteorological provinces, as has been done in the tables of the pressure and temperature sections, the figures below represent the average conditions over the areas so obtained:—

Meteorological Province.	Mean absolute humidity.		Mean relative humidity.	
	Average actual, January, 1906.	Departure from normal, January, 1906.	Average actual, January, 1906.	Departure from normal, January, 1906.
	"	"	%	
Burma Coast and Bay Islands	·734	+·053	76	+2
Bengal and Orissa	·484	—·011	73	—2
Gangetic Plain and Chota Nagpur	·262	—·047	55	—7
Upper Sub-Himalayas	·239	—·040	63	—6
Indus Valley and North-west Rajputana.	.231	—·041	50	—8
East Rajputana, Central India and Gujarat.	·149	—·103	31	—16
Deccan	·321	—·021	45	—4
West Coast	·594	—·007	72	—1
South India	·556	+·076	66	+4

The following table contains data, extracted from the general Table I, showing the humidity and cloud conditions in the extra-Indian regions not represented on the charts:—

Station.	Relative humidity.			Cloud.		
	Actual, January, 1906.	Normal, January.	Departure from normal, January, 1906.	Actual, January, 1906.	Normal, January.	Departure from normal, January, 1906.
	%	%				
Trincomalee	88	79	+ 9	3·3	4·0	—0·7
Colombo	84	74	+10	3·7	3·6	+0·1
Kashgar	...	...	...	4·7	6·2	—1·5
Kabul	85	...	...	2·6	...	...
Ispahan	75	82	— 7	3·8	3·5	+0·3
Bushire	88	78	+10	5·2	3·3	+1·9
Jask	77	73	+4	4·3	1·9	+2·4
Muscat	64	68	—4	4·0	2·5	+1·5
Baghdad	77	80	—3	3·2	2·6	+0·6
Aden	75	72	+3	2·2	4·0	—1·8
Perim	63	73	—10	1·1	2·4	—1·3
Seychelles	83	84	—1	6·5	7·0	—0·5
Mauritius	76	75	+1	6·5	6·4	0·1

Reference to the chart of cloud distribution (departure from normal) will show the average conditions for the month over the Indian area: cloud conditions at hill stations agreed in general with those in the neighbouring plains.

Tabl e showing departure from normal of cloud amount divided according to provinces:—

Meteorological Province.	Mean cloud amount.	
	Average actual, January, 1906.	Departure from normal, January, 1906.
Burma Coast and Bay Islands	3·2	+0·9
Bengal and Orissa	4·1	+2·3
Gangetic Plain and Chota Nagpur	1·8	—0·7
Upper Sub-Himalayas	2·5	—1·5
Indus Valley and North-West Rajputana	2·3	—1·1
East Rajputana, Central India and Gujarat	1·2	—1·5
Deccan	3·0	+1·4
West Coast	1·6	+0·7
South India	5·2	+2·4

Rainfall.

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

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

The first rainfall chart (Plate VII) shows the actual distribution of the rainfall of the month so far as it is indicated by the returns of upwards of 200 meteorological stations. The distribution of rainfall is shown on this chart by means of isohyetic lines or lines of equal amounts of

rainfall, the numbers attached to each line stating the rainfall in inches. The second chart (Plate VIII) shows the normal average rainfall and the departure of the rainfall from the normal of the month of the 57 meteorological or rainfall divisions, over each of which the meteorological conditions (more especially the rainfall) are fairly uniform and the staple crops similar in character.

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

Northern India usually receives slight to moderate rain in the month of January from cold weather cyclonic storms. The precipitation is generally heaviest in the hill districts, and decreases in amount southwards from the foot of these hills. Rain is also occasionally received in the south Madras coast districts, usually under the same conditions as in December. The occurrence, however, of rainfall is exceptional.

The map of rainy days, Plate VI, which shows in the most convenient manner the general characters of the month's rainfall, indicates that its distribution corresponded with the areas of excess cloud shown on the same Plate and generally with conditions of excess humidity.

Following are the tables of rainfall divided, first, according to 11 meteorological provinces, and, secondly, in further detail according to 57 meteorological divisions of the Empire; the latter table contains also a statement of the periods during which the rain fell and notes on the weather conditions which determined it:—

Meteorological Province.	Rainfall. Mean actual for January, 1906. *a*	Mean normal for January. *b*	Departure from normal, January, 1906. *c*	Percentage departure from normal.
	Inches.	Inches.	Inches.	
Burma Coast and Bay Islands	0·50	0·35	+0·15	+43
Burma, Inland	0·05	0·15	—0·11*	—73
Assam	0·46	0·89	—0·43	—48
Bengal and Orissa	0·97	0·43	+0·49*	+114
Gangetic Plain and Chota Nagpur	0·81	0·65	+0·16	+25
Upper Sub-Himalayas	0·34	1·67	—1·36*	—81
Indus Valley and North-West Rajputana.	0·01	0·57	—0·56	—98
East Rajputana, Central India and Gujarat.	0·01	0·26	—0·24*	—92
Deccan	0·79	0·24	+0·53*	+221
West Coast	0·52	0·22	+0·31*	+141
South India	1·53	0·37	+1·13*	+305

*A reference to Table I will show that some of the stations contained in the Provinces of the above table have not yet had normal values of rainfall assigned to them. The figures, therefore, of columns *b* and *c* are based on a smaller number of stations than are those of column *a*, and hence the sum of the figures in columns *b* and *c* will not in general agree with the figures in column *a*.

Province.	Rainfall division.	Number of rainy days. Average actual, January, 1906.	Number of rainy days. Average normal, January.	Rainfall. Average actual, January, 1906.	Rainfall. Average normal, January.	Rainfall. Departure from normal, January, 1906.	Periods.	Remarks.
				Inches.	Inches.	Inches.		
Burma	Tenasserim	1·5	0·3	0·62	0·14	+0·48	Indefinite.	
	Lower Burma (Deltaic)	0·1	0·1	0·02	0·05	—0·03		
	Central do.	0	0	0·01	0·02	—0·01		
	Upper do.	0·2	0·3	0·04	0·11	—0·07		
	Arakan	0·3	0·1	0·07	0·03	+0·04		
Bengal and Assam	Eastern Bengal	1·0	0·9	0·36	0·43	—0·07	9th 22nd to 24th. 27th to 29th.	General unsettled weather. Depression which developed over Central India and passed eastwards. Unsettled conditions due to the active depression from Persia.
	Assam (Surma)	0·9	1·2	0·22	0·44	—0·22		
	Do. (Hills)	1·0	1·5	0·31	0·65	—0·34		
	Do. (Brahmaputra)	1·3	2·3	0·54	0·87	—0·33		
	Deltaic Bengal	2·2	0·7	1·64	0·35	+1·29		
	Central do.	2·8	1·0	1·35	0·49	+0·86		
	North do.	0·7	1·1	0·27	0·48	—0·21		
	Bengal Hills	0·5	1·8	0·12	0·83	—0·71		
	Orissa	2·1	0·5	1·13	0·25	+0·88		
	Chota Nagpur	3·9	1·1	1·88	0·51	+1·37		
	Bihar (South)	2·1	1·4	0·78	0·76	+0·02		
	Do. (North)	1·2	1·3	0·40	0·68	—0·28		
United Provinces of Agra and Oudh.	United Provinces (East)	1·1	1·5	0·37	0·72	—0·35	28th	Active depression from Persia.
	Oudh (South)	0·2	1·5	0·06	0·76	—0·70		
	Do. (North)	0·7	1·6	0·20	0·80	—0·60		
	United Provinces (Central)	0·2	1·4	0·07	0·62	—0·55		
	Do. (West).	0·3	1·4	0·12	0·59	—0·47		
	Do. (East Sub-montane)	0·8	1·3	0·23	0·71	—0·48		
	Do. (West Sub-montane).	0·9	2·6	0·35	1·39	—1·04		
	Do. (Hills)	2·6	3·8	0·94	2·31	—1·37		

Province.	Rainfall division.	Number of rainy days. Average actual, January, 1906.	Number of rainy days. Average normal, January.	Rainfall. Average actual, January, 1906.	Rainfall. Average normal, January.	Rainfall. Departure from normal, January, 1906.	Periods.	Remarks.
				Inches.	Inches.	Inches.		
Punjab	Punjab (South-East)	0·8	1·7	0·16	0·78	—0·62	7th to 9th	Small depression from Persia.
	Do. (South)	0·4	1·8	0·11	0·86	—0·75		
	Do. (Central)	0·4	2·4	0·10	1·17	—1·07		
	Do. (Submontane)	1·3	3·1	0·49	1·86	—1·37	28th.	Active depression from Persia.
	Do. (Hills)	4·7	4·8	2·09	3·49	—1·40		
	Do. (West)	0	1·3	0	0·54	—0·54		
North-West Frontier Province.	North-West Frontier Province.	0·8	2·4	0·32	1·38	—1·06		
Bombay and Malabar Coast Districts (Madras).	Malabar	1·5	0·2	1·04	0·22	+0·82	17th to 20th.	Westward travelling depression from the south of the Bay.
	Travancore	1·5	...	0·88	...	...		
	Madras (South Central)	1·4	0·4	0·93	0·33	+0·60		
	Coorg	2·4	...	1·26	...	...		
	Mysore	1·1	0·1	0·54	0·07	+0·47		
	Konkan	0·4	0·2	0·35	0·13	+0·22		
	Bombay Deccan	1·0	0·2	0·57	0·08	+0·49		
	Hyderabad (North)	1·3	0·2	1·30	0·08	+1·22		
	Khandesh	0·3	0·3	0·23	0·14	+0·09		
Central Provinces and Berar.	Berar	0·9	0·6	0·52	0·29	+0·23	20th to 22nd.	General unsettled weather.
	Central Provinces (West)	0·4	0·8	0·18	0·50	—0·32		
	Do. do. (Central)	1·0	1·1	0·46	0·54	—0·08	27th to 28th.	Active depression from Persia.
	Do. do. (East)	1·8	0·9	0·96	0·38	+0·58		
Bombay (North).	Gujarat	0	0·1	0	0·04	—0·04	10th	Small depression from Persia.
	Kathiawar and Cutch	0·1	0·1	0·01	0·04	—0·03		
	Sind	0·1	0·8	0·06	0·28	—0·22		
	Baluchistan Hills	1·0	2·9	0·39	1·29	—0·90		
Rajputana and Central India.	Central India (East)	0	1·0	0·01	0·46	—0·45	...	
	Rajputana (East), Central India (West).	0	1·0	0·01	0·39	—0·38		
	Rajputana (West)	0	0·5	0	0·16	—0·16		
Madras	East Coast (North)	0·3	0·1	0·16	0·17	—0·01	5th to 6th	General unsettled weather.
	Hyderabad (South)	2·3	0·2	1·56	0·08	+1·48		
	Madras (Central)	1·6	0	1·13	0·12	+1·01		
	East Coast (Central)	2·8	0·9	6·54	0·66	+5·88		
	East Coast (South)	2·8	1·1	4·25	0·80	+3·45	16th to 19th.	Westward travelling depression from the south of the Bay.
	Madras (South)	1·8	1·4	0·87	0·90	—0·03		

The rainfall reported from extra-Indian stations is shown in the following table:—

Station.	Rainfall. Actual, January, 1906.	Rainfall. Normal, January.	Rainfall. Departure from normal, January, 1906.	Rainfall. Percentage departure from normal.
	Inches.	Inches.	Inches.	
Trincomalee	2·28	5·38	—3·10	— 58
Colombo	6·29	3·20	+3·09	+ 97
Minicoy	0·70	2·09	—1·39	— 67
Amini Divi	0·01	0·19	—0·18	— 95
Kashgar	0·03	0·27	—0·24	— 89
Kabul	0·15	1·24	—1·09	— 88
Meshed	1·03	0·41	+0·62	+151
Ispahan	1·66	0·26	+1·40	+538
Bushire	3·66	3·12	+0·54	+ 17
Jask	1·25	0·87	+0·38	+ 44
Muscat	0·60	1·28	—0·68	— 53
Baghdad	0·89	1·38	—0·49	— 36
Aden	0	0·32	—0·32	—100
Perim	0·30	0·34	—0·04	— 12
Zanzibar	6·71	3·37	+3·34	+ 99
Seychelles	20·61	18·57	+2·04	+ 11
Mauritius	3·48	7·89	—4·41	— 56

Of these extra-Indian regions, Asiatic Turkey and estern Persia, in which the rain-bearing winter depressons take their rise, rainfall has been small, but has been lightly above normal at Bushire and Jask, places crossed r influenced by these depressions on their eastward ourses towards India. Deficiencies have occurred at abul and Kashgar, and these tend to corroborate a conlusion which might be drawn from the smallness of the ashmir snowfall, *viz.*, that the nearly dry weather which as prevailed in north-west India is attributable to the eneral weakness of the travelling depressions, and not to n unusually northerly disposition of their paths.

As summarising the rainfall information of the Tables and II at the end of the Review and of the smaller tables iven above, the following statement gives the principal oints of interest for the month of January :—

1. There was actually or practically no rain in the North-Vest Frontier Province, the west, central and south unjab, Sind, Gujarat, Rajputana, Central India and the orthern parts of Burma.

2. Rainfall was in slight excess in Chota Nagpur, and from there north-westwards along the Gangetic Plain; and in large excess in Bengal and Orissa, and over the south of the Peninsula.

3. In the north-east of the Punjab and in the United Provinces rain, although not entirely wanting, was in defect of the normal.

4. The month's rainfall averaged over the whole of India, exclusive of the hill divisions, was in excess of the normal by an actual depth of 0·12 inch and a percentage proportion of 82.

5. In the southern Indian Ocean rain has been in great defect between Lats. 20° and 30° S. at Mauritius and Durban, but in excess nearer the Equator at Zanzibar.

The excess of rain which fell in Chota Nagpur and neighbouring districts to the north-west, and the larger excess in Bengal and Orissa, and in the south of the Peninsula, were not, however, except locally, large in actual amounts; it is the smallness of normal rainfall in this month of the year which gives excess values to even such moderate quantities as are reported in the columns of the tables above.

Snowfall.

Nearly all reports agree that this month's snowfall has een considerably less than that of January last year; and most cases the weather appears to have been warmer and ore cloudy than is usual.

I.—Afghan Mountain Districts.

(*a*) *Kabul:*—One light fall of 1·5″ on the 24th. Less snow an in January of the two preceding years.

(*b*) *Wano:*—Snowfall below normal; lying in patches own to 7,000′ at the end of the month.

Snowfall, Wano.

Date.	Name of place.	Height above sea-level.	Amount.
		Ft.	″
th January, 1906 .	Marwati . . .	11,000	1
h ,, .	Pirghal . . .	11,000	2
,, .	Marwati . . .	11,000	3
,, .	Spera . . .	9,000	1
,, .	Janimela . . .	8,000	1
,, .	Kundighar . . .	8,000	2
,, .	Kotkun . . .	7,900	1
,, .	Pirghal . . .	11,000	3
,, .	Marwati . . .	11,000	4
,, .	Spera	9,000	1
,, .	Janimela . . .	8,000	2
,, .	Kundighar . . .	8,000	3
,, .	Naboti . . .	8,000	1
,, .	Karbona . . .	8,000	1
,, .	Kotkun	7,900	1
,, .	Tiarza	6,000	1

(*c*) *Kurram:*—Snowfall on four days (7th, 24th, 25th and 31st) on the Sufed Koh and surrounding hills, and on two days (24th and 25th) on Parachinar. No information available as to amounts received. Passes still open at the end of the month.

(*d*) *Kohat:*—Snowfall on Samana range on four days (6th, 24th, 25th and 31st), totalling 6·75″. Much lighter than in previous years, and the weather warmer and drier. Transborder reports showed unusually light falls in Orakzai and Tirah.

(*e*) *Hazara:*—Siran range, Punjul.

Snowfall on one day (6th); depth 2′ 4″.

Snowfall, Kagan range.

Date.	Narang, 8,000 feet.	Kagan, 6,700 feet.	Malkandi, 4,500 feet.
	″	″	″
12th December, 1905 . .	0 3	...	...
13th ,, . .	0 4	0 1½	...
14th ,, . .	0 9	0 3	0 1
18th & 19th ,, . .	3 9	1 6	0 7
22nd ,, . .	3 0	1 9	0 5
29th ,, . .	1 9	0 7	0 2½
7th January, 1906 . .	4 7	2 4	1 9
8th ,, . .	1 5	0 9	0 4
15th ,, . .	0 6	...	...
27th ,, . .	5 2	1 9	0 7

II.—KASHMIR AND PUNJAB HIMALAYAS.

(*a*) *Rawalpindi District* :—Murree and hills adjacent to Kahuta.

Snowfall.

	Murree.		Kahuta.	
	Feet.	Inches.	Feet.	Inches.
7th	—	5		
8th	1	11	2	0
9th	—	4	1	0
11th	—	3½		
24th	—	1		
25th	—	7		
26th	—	1		
28th	—	11½	2	0
TOTAL	4	8	5	0

(*b*) *Leh* :—Snowfall on three days (10th, 12th and 26th), total 1¼″. No snow lying at 11,000′; 5″ lying in shade at 12,500′. Snowfall lighter and later than usual; more cloud than in previous years.

(*c*) *Kulu* :—Snowfall considerable but less than usual, and in consequence of comparatively warm weather not lying to a greater depth than one foot. More cloud than in previous years, and the snowstorms interspersed with rain, even at Naggar, 5,800′. All passes blocked, with the exception of the Dulchi Pass. Actual falls in Kulu Tehsil on 7th, 8th, 9th, 10th, 22nd, 24th, 25th, 26th, 28th and 29th, and in the Saraj Tehsil on the 7th, 8th, 9th, 10th and 25th, the snow descending to 3,500′ in Kulu and to 5,200′ in Saraj.

Accumulation of snow at the end of the month.

KULU TEHSIL.		SARAJ TEHSIL.	
Name of Pass.	Depth of snow.	Name of Pass.	Depth of snow.
	Feet.		Feet.
Rohtang	18	Sri Khand	7
Hamta	16	Chul	4
Chandar Khani	8	Hingan	3
Barsai	9	Dundku	5
Puja Dhar	4½	Tikkar	3
Lohri Achhri	6 ft. 5 in.	Ramgarh	1½
Bhubu	4 ft.	Nohnu	3
Mujhang	4	Raghopur	4
Bashtari	4	Jalori	4
Sairi	9	Bhimri	4
		Sakiran	4
		Gargarasan	5
		Supa Kun	3
		Bashleo	4
		Placha	5
		Tirath	5

(*d*) *Bashahr, Simla* :—Snowfall from the 7th to the 10th and from the 23rd to the 29th, with a total amount not much less than in last year. Largest fall on the 28th, when one foot lay at 6,000′ and four inches at 5,750′.

All passes closed at the end of the month.

Accumulation of snow at the end of the month.

Name of pass.	Height, in feet, above sea-level.	Depth of snow at the end of the month.
	Feet.	Feet.
Rupan Pass	16,000	8
Bruin Pass	16,000	8
Buldar Pass	16,000	9
Shatul Pass	15,000	7
Runang Pass	14,000	7
Harang Pass	12,000	4

(*e*) *Dalhousie* :—Snowfall from 7th to 11th, from 24th to 28th, and on 30th, totalling 2′ 0½″ as measured at Dalhousie Kutchery. Depths believed to be double that amount at Kalatop, Dain Kund, Bakrotta and Khajiar. Weather very much clouded, but snowfall not heavier than last year.

(*f*) *Chamba* :—Snowfall less than last year, but cloud greater than usual on the Pangi Range. Other ranges (Dalhousie, Chamba, Bhandal and Tisa) reported to have had normal cloud amount. Snowfall heaviest on the 25th in the Chamba range, descending then to 3,000′. Sach Pass closed.

PLACE.	DEPTH OF SNOW-FALL.				PLACE.	Accumulation at end of month.	
	6th to 10th.		21st to 31st.				
Dalhousie Range—	Ft.	In.	Ft.	In.	Dalhousie Range—	Feet.	Inches.
Kalatop	3	0	2	10	Kalatop	4	2
Surkhigalli	1	3	0	8	Kainthli	4	0
Kainthli	3	1	2	10	Surkhigalli	0	10

Place.	Depth of snowfall. 6th to 10th.		21st to 31st.		Place.	Accumulation at end of month.	
	Ft.	In.	Ft.	In.		Feet.	Inches.
Chamba Range—					Chamba Range—		
Barmour	1	6	3	3	Barmour	2	6
Ulansa	1	1	2	6	Ulansa	2	2
Chhatrassi	0	10	0	10½	Bhandal Range—		
Donkund	1	8	0	11	Langera	5	0
Bakani	0	6	0	4	Bhent	4	0
Saho	0	5	...		Tisa Range—		
Bhandal Range—					Khangu	2	0
Langera, 8,900′	5	0	5	0	Chhatri	3	0
Bhent, 7,000′	3	9	3	0	Murali Pass	4	0
Bhandal, 6,000′	0	10	1	4	Pangi Range—		
Debur, 5,500′	0	6	0	9	Kilal	2	8
Tisa Range—							
Tisa	0	10	0	5			
Chhatri	1	3	1	6			
Khangu	2	3	0	10			
Alwas	4	1	5	5			
Pangi Range—							
Kilar, 8,562′	0	10	4	2			

III.—United Provinces Himalayas.

(*a*) *Almora:*—Snowfall not greater than in last year, but weather more clouded than usual.

Snowfall. Place.	Date.	Depth.	Accumulation at end of month. Place.	Depth.
		Ft. In.		Ft. In.
Malla Johar	7th Jan., 1906	1 6	Milam Dhura	16 6
	8th „	3 0	Unta Dhura	24 0
	9th „	2 0	Ralam Dhura	21 0
	20th „	1 0	Pindari Peak	4 0
	27th „	1 6	Kaphini Peak	4 0
	Total	9 0	Kantela Peak	4 0
Malla Danpur	8th Jan., 1906	1 6	Binkaru Pass in Chandas.	25 0
	9th „	1 0	Lampin Pass	6 0
	27th „	1 0	Lipu Lekh Pass	6 0
	28th „	0 6		
	Total	4 0		
Chandas (Snowfall refers to Binkaru Pass.)	4th Jan., 1906	2 0		
	10th „	2 0		
	17th „	1 0		
	28th „	1 0		
	29th „	1 0		
	30th „	2 0		
	Total	9 0		
Byans	1st time	1 0		
	2nd „	2 0		

(*b*) *Garhwal:*—Heavy snowfall on the higher peaks of the northern and southern parganas between the 7th and 28th.

Crop report.

Madras:—Heavy to ight rain fell in parts of the Presidency during the month, but in other parts weather remained dry. Irrigation supplies were insufficient in parts of the Circars, the Deccan, Nellore, South Arcot and the central and southern districts. Standing crops were in fair condition, but in parts of Kurnool, Chingleput and the southern districts they were withering. Harvests were poor to normal and bumper and pasture and fodder were sufficient, except locally. The condition of the cattle was generally good.

Bombay:—Moderate to heavy rain occurred in parts in the middle of the month. Irrigation supplies were insufficient, and locally the crops were withering for want of water. Spring crops suffered from frost in Hyderabad, Panch Mahals, Baroda and Poona, but elsewhere were generally in good condition. Fodder was scarce, and grass was being imported. The condition of the cattle was good.

Bengal:—Good rain was received, but more was wanted in Bihar. Crops were in good condition, but were damaged locally by frost and hailstorms. Water-supply and fodder were sufficient.

United Provinces:—Rainfall was almost absent till near the end of the month, and crops were withering generally, but the rain received during the last week of the month was of great benefit to standing crops. Some damage was done locally by insects and hail. Fodder

was very scarce. Relief works were in operation during the month. Jalaun, Jhansi and Muttra were declared to be famine districts.

Punjab:—Rain fell in most districts during the month, but more was urgently needed at the close. Irrigated crops were in fair condition, but unirrigated crops were poor and bad in Delhi. Insects damaged wheat and turnips in Gurgaon and Multan, and frost was prejudicial in Gurgaon and Lahore. Fodder was very scarce, and cattle in poor condition.

North-West Frontier Province:—Rain in varying amounts upto 1 inch fell over the whole province. More was needed in Kohat, Bannu and D. I. Khan; in the latter two districts locusts did damage. Water-supply was sufficient, and fodder, except locally. Prospects were good generally.

Burma:—Condition of crops was good and the prospects favourable at the close of the month.

Central Provinces:—The showers of the month were beneficial to late sown crops, and but little damage was done by frost. Harvesting was in progress at the end of the month, and the prospects appeared to be up to normal, except in Berar.

Eastern Bengal and Assam:—The weather was seasonable. The outturn of winter rice and prospects of other crops were generally fair at the close of the month.

Mysore:—Conditions were not unfavourable. Cattle were in good condition, and prospects of crops fair. Water and fodder were only locally insufficient.

Hyderabad:—Fodder and water scarcity were considerably felt, and crops were not good at the end of the month. Land revenue was locally suspended and road relief works continued.

Rajputana:—Rain was badly wanted, and crop areas much restricted. Some little damage was done by frost and locusts. The condition of the cattle was poor and pasturage and fodder largely insufficient.

Central India:—Standing crops were fair in Bhopal, Malwa and Bhopawar, average in Bundelkhand, and poor in Baghelkhand. In Gwalior the irrigated crops were normal. In parts crops were suffering from want of water at the end of the month.

Pasturage in Gwalior and north Bundelkhand was scarce and the condition of the cattle poor.

Kashmir, Jummoo:—Fodder was sufficient and the crop condition good during the month.

J. H. FIELD.

Table I.—Abstract of Observations taken at 8 h. at 234 Stations in India, Burma, etc., in January, 1906.

Table

Abstract of Observations taken at 8 h. at 234 Stations

Number of rainfall division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 h. in inches.								Temperature of air.												
			Mean 8 h. pressure reduced to 32°.	Departure from normal.	Mean 8 h. pressure reduced to sea-level and to constant gravity, at 45° Lat. (see note 3).	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 h. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	I.—Burma Coast and Bay Islands.			-·005								87·1	+0·9	69·8	+3·8	78·5	+2·4	17·3					25·7
1	Car Nicobar .	25	29·904		29·856	30·006	29th	29·822	13th	·184	80·9	85·4		77·5		81·5		7·9	88·3	29th	73·1	2nd	15·2
	Port Blair .	61	29·932	-·004	29·924	30·003	20th	29·864	13th	·139	79·2	86·0	−0·4	76·7	+1·1	81·3	+0·4	9·3	89·1	17th, 23rd & 24th.	73·9	25th	15·2
	Slipper Island		30·001			30·070	28th	29·930	8th	·140													
	Mergui . .	96	29·909	+·002	29·936	29·984	19th	29·841	8th	·143	78·3	90·1	+2·0	72·7	+5·8	81·4	+3·9	17·4	94·4	16th	70·4	4th, 20th & 31st.	24·0
	Tavoy . .	19	29·997	+·002	29·948	30·071	19th	29·921	8th	·150	73·6	92·0	+2·5	70·4	+6·2	81·2	+4·4	21·6	94·5	15th	63·8	30th	30·7
	Moulmein . .	94	29·913*	-·020*	29·947*	29·983	19th	29·836	8th	·147	73·9	92·2	+3·8	70·4	+5·2	81·3	+4·5	21·8	96·0	15th	65·9	29th	30·1
2	Rangoon . .	57	29·969*	—·008	29·965*	30·026	19th	29·899	8th	·127	71·5	91·6	+2·5	69·4	+5·2	80·5	+3·9	22·2	94·6	10th & 16th.	62·8	1st	31·8
	Bassein . .	27?	30·007	+·005	29·972	30·059	19th	29·948	30th	·111	69·5	86·3	+0·6	66·0	+4·3	76·2	+2·5	20·3	90·7	30th	60·0	1st	30·7
	Diamond Island.	41	29·976	-·011	29·952	30·032	19th	29·912	8th	·120	76·4	83·3	−0·7	73·3	+2·3	78·3	+0·8	10·0	86·4	16th & 26th.	70·2	6th	16·2
5	Akyab . .	20	30·025	-·009	29·989	30·088	19th	29·954	8th	·134	62·1	78·8	−2·6	59·5	+0·2	69·2	-1·2	19·3	82·9	29th	54·1	5th & 6th.	28·8
3	Toungoo . .	183	29·842	-·003	29·974	29·912	4th	29·720	30th	·192	65·7	85·5	+0·2	62·0	+4·4	73·8	+2·3	23·5	89·3	17th & 30th.	51·6	1st	34·7
	II.—Burma Inland.			+·001								81·2	−2·8	55·4	+2·6	68·3	-0·1	25·9					40·3
3	Thayetmyo .	121	29·916	-·004	29·983	29·982	4th	29·854	30th	·128	67·0	86·5	+0·6	53·1	−0·4?	69·8	+0·1?	33·4	94·0	30th	41·0	18th	53·0
4	Minbu . .	*165*	29·870	-·017	29·986	29·937	4th	29·800	9th	·137	64·1	82·7	−3·0	58·5	+2·4	70·6	—0·3	24·2	89·7	30th	47·0	18th	42·7
	Yamethin . .	657	29·354	—·008	29·991	29·431	4th	29·243	30th	·188	63·3	84·7	−2·5	58·3	+3·7	71·5	+0·6	26·4	90·3	17th	51·2	6th	39·1
	Monywa . .	*280*	29·800		30·019	29·885	4th	29·656	30th	·229	61·4	80·8		57·8		69·3		23·0	85·8	24th	50·6	7th	35·2
	Mandalay . .	250	29·788	+·005	30·000	29·864	4th	29·650	30th	·214	62·9	83·7	−0·4?	58·3	+2·3	71·0	+1·0?	25·4	88·5	24th	51·2	7th	37·3
	Myitkyina . .	458	29·591?		30·037?	29·715	4th	29·519	31st	·196	57·1	75·7		51·3		63·5		24·4	79·7	25th & 26th.	43·3	7th	36·4
	Bhamo . .	*381*	29·690	+·030	30·051	29·799	4th	29·530	30th	·269	54·7	74·4	−2·8	50·2	+1·7	62·3	-0·6	24·2	80·3	31st	42·2	5th & 6th	38·1
4(a)	Maymyo . .	3,545	26·500		26·445	26·591	28th	26·443	9th	·148	48·8	70·1		43·0		56·6		27·1	73·9	26th	34·6	6th	39·3
	Lashio . .	*2,751*	27·198	—·023	27·144	27·275	28th	27·064	30th	·211	52·5	76·1	+1·0	47·1	+2·1	61·6	+1·6	29·0	80·6	28th & 29th.	40·6	19th	40·0
	III.—Assam.			—·002								72·9	−0·6	50·8	−0·3	61·9	-0·5	22·0					33·8
7	Silchar . .	104	29·982	+·002	30·046	30·076	4th	29·872	30th	·204	56·6	76·4	−1·4	52·4	+0·1	64·4	-0·7	24·0	82·9	29th	45·5	8th	37·4
9	Sibsagar . .	333	29·758†	—·011†	30·071†	29·848	4th	29·504	30th	·344	52·1	70·1	0	49·5	0	59·8	0	20·6	75·8	31st	43·9	4 days.	31·9
	Dhubri . .	115	29·973†	+·009†	30·052†	30·085	4th	29·777	30th	·308	56·6	73·6	−0·4	52·2	−0·9	62·9	—0·7	21·4	79·1	28th	45·8	13th	33·3
	Gauhati . .	195	29·904		30·069	30·003	4th	29·680	30th	·323	53·6	73·7		48·9		61·3		24·8	80·1	29th & 30th.	42·6	6th	37·5
	Tezpur . .	252	29·832		30·062	29·933	4th	29·609	30th	·324	54·3	72·6		51·8		62·2		20·8	78·5	30th	46·0	6th	32·5
	Dibrugarh .	353	29·737		30·074	29·842	4th	29·494	30th	·348	53·1	70·7		50·2		60·5		20·5	75·1	22nd & 29th.	44·9	3rd, 6th & 16th.	30·2
	IV.—Bengal and Orissa.			+·007								75·7	−1·5	54·1	+0·2	64·9	-0·7	21·6					35·6
8	Chittagong .	87	29·981	+·005	30·021	30·071	4th	29·883	22nd	·188	59·5	76·4	−1·9	54·7	−0·6	65·6	−1·3	21·7	83·6	29th	49·1	13th	34·5
	Noakhali . .	43	30·018		30·010	30·098	5th	29·923	8th	·175	59·5	76·2		53·0		64·6		23·2	83·1	29th	46·6	12th & 17th.	36·5
	Comilla . .	36	30·033		30·018	30·118	4th	29·953	8th	·165	58·1	77·0		53·0		65·0		24·0	83·9	29th	46·3	12th	37·6
	Sirajganj . .	49	30·036		30·038	30·119	4th	29·913	30th	·206	56·5	74·7		51·6		63·2		23·1	80·3	28th	44·6	11th	35·7
	Narayanganj .	26	30·063	+·021	30·038	30·142	5th	29·972	30th	·170	58·3	76·1	−1·8	55·6	+0·4	65·9	—0·7	20·5	82·1	29th	50·3	6th	31·8
	Barisal . .	12	30·068	+·011	30·027	30·150	5th	29·962	9th	·188	61·2	76·4	−1·2	54·5	+0·1	65·5	—0·6	21·9	82·3	29th	46·7	7th & 17th	35·6
	Mymensingh .	62	30·029	+·011	30·046	30·115	4th	29·906	30th	·209	57·8	75·1	+0·1	53·4	+0·9	64·3	+0·5	21·7	81·7	29th	48·0	6th, 7th & 8th.	33·7
	Faridpur . .	46	30·044		30·043	30·126	5th	29·943	9th	·183	58·4	74·8		52·6		63·7		22·2	81·9	29th	46·0	17th & 18th.	35·9
10	Jessore . .	33	30·053	+·008	30·034	30·142	5th	29·953	9th	·189	59·2	74·6	−3·3	53·6	+0·6	64·1	—1·4	21·0	81·1	29th	45·1	17th & 19th.	36·0
	Calcutta (Alipore)	21	30·067	+·002	30·035	30·153	5th	29·942	22nd	·211	59·1	75·9	−1·2	55·5	+0·2	65·7	—0·6	20·5	81·9	29th	46·4	7th	35·5
	Sangor Island .	25	30·058	+·003	30·029	30·133	5th	29·911	22nd	·222	62·3	76·7	+0·1	57·9	−1·3	67·3	—0·6	18·8	86·9	26th	47·4	17th	39·5

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

* Mean of 30 days.

† Mean of 28 days.

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

NOTE 2.—The data from which divisional means of the figure columns Nos. 40, 42 and 44

NOTE 3.—The barometric readings are not reduced to sea-level in the cases of hill or plateau

I.

in India, Burma, etc., in January, 1906.

Wind Direction. Number of winds from: Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	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 h. Mean humidity at 8 h.	Departure from normal.	Mean vapour tension at 8 h.	Departure from normal.	Cloud. Mean cloud amount at 8 h.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st Dec. 1905 to 31st January 1906.	Normal rainfall for period, 1st Dec. to 31st January.	Departure from normal of period 1st Dec. to 31st Jan. 1906.	Greatest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
														85	+ 2	·704	+ ·070	3·7	+1·2				2·14	0·35	+0·15					I.—Burma Coast and Bay Islands.
	4	14	2	5	1			1	N 56° E	5·4			5·4	84		·877		8·9		16			16·96			23·01			4·30	Car Nicobar **
	6	14	3				1	7	N 18° E	6·5	7·0	− 7		87	+ 6	·870	+·089	5·0	+0·9	3			1·44	1·02	+ 0·42	15·01	7·64	+ 7·37	0·54	Port Blair.
	28	1						2	N 1° W	14·4																				Slipper Island.
21	3	5	1		1				N 39° E	2·5	2·0	+ 25	2·2	85	+ 4	·808	+·098	2·3	−0·7	4	1·40	+2·60	1·81	0·91	+ 0·90	2·26	1·29	+ 0·97	0·85	Mergui.
31									Calm	1·3				91	+ 4	·761	+·116	2·5	+0·5	2	0·20	+1·80	0·70	0·21	+ 0·49	0·75	0·27	+ 0·48	0·58	Tavoy.
22	1	6	1			1			N 45° E	1·1	2·4	− 54	1·2	88	+ 3	·737	+·135	5·5	+4·2	0	0·40	−0·40	0	0·36	− 0·36	0	0·41	− 0·41	0	Moulmein.
6	12	7						6	N 2° E	4·2	4·3	− 2	3·8	76	− 7	·594	+·026	4·7	+3·2	0	0·20	−0·20	0	0·12	− 0·12	0·02	0·21	− 0·19	0	Rangoon.
8	6	7				1	3	6	N 12° W	4·8	2·9	+ 66		87	0	·632	+·055	2·4	+0·6	0	0·10	−0·10	0·05	0·14	− 0·09	2·71	0·27	+ 2·44	0·05	Bassein.
1	13	15	1					1	N 24° E	9·3	6·6	+ 41		74	+ 1?	·684	+·031	3·3	+1·0	0	0·44	−0·44	0·01	0·21	− 0·20	2·23	0·91	+ 1·32	0·01	Diamond Island.
	29	2							N 3° E	4·5	2·6	+ 73	4·3	91	+ 4	·513	+·019	0·8	+0·1	1	0·10	+0·90	0·35	0·06	+ 0·29	2·62	0·76	+ 1·86	0·35	Akyab.
7	5							9	N 29° W	7·61	1·9	−300	7·5	87	− 1	·563	+·062	1·7	+0·6	1	0·20	+0·80	0·11	0·08	+ 0·03	0·33	0·25	+ 0·08	0·11	Toungoo.
														85	+ 3	·470	+ ·056	2·1	+ 0·5				0·05	0·15	−0·11					II.—Burma Inland.
4	2	1	4						N 59° E	5·1	2·4	+113		82	+ 8	·546	+·129	0·7	+0·1	0	0·10	−0·10	0·03	0·02	+ 0·01	1·16	0·17	+ 0·99	0·03	Thayetmyo.
7	1				1	3	3	16	N 61° W	4·6			5·5	75	+ 1	·452	+ ·027	2·0	+1·3	0	0·10	−0·10	0	0	0	2·10	0·63	+ 1·47	0	Minbu.
1	8	1		3				8	N 13° W	3·1			3·3	81	+ 4	·471	+·042	2·2	+1·7	0	0·20	−0·20	0	0·08	− 0·08	0·36	0·57	− 0·21	0	Yamethin.
5	1						1	4	N 45° W	0·8			0·8	86		·474		2·5		0	0	0	0	0	0	1·26	0·15	+ 1·11	0	Monywa.
9	12	1		1	6	1		1	N	1·8			1·8	85	+ 2	·491	+·035?	1·8	+0·7	0	0·10	−0·10	0	0·05	− 0·05	1·92	0·34	+ 1·58	0	Mandalay.
5	2	12	11	1					N 63° E	2·5			2·6	94		·442		3·3		1			0·14			1·06			0·14	Myitkyina.
1		5	3		1	1			N 72° E	1·8			2·1	95	+ 2	·408	+·025	1·9	−1·2	1	1·20	−0·20	0·21	0·72	− 0·51	2·13	1·14	+ 0·99	0·12	Bhamo.
8						2	1		S 59° W	2·2				87		·304		2·2		0	0·20	−0·20	0	0·06	− 0·06	1·54	0·51	+ 1·03	0	Maymyo.
7		2	4	2	2	1	1	2	S 70° E	3·6				91	+ 1	·361	+·023	4·3	−0·2	0			0·09	0·39	− 0·30	2·39	1·05	+ 1·34	0·09	Lashio.
														94	0	·399	−·012	4·5	+1·8				0·46	0·89	−0·43					III.—Assam.
1									Calm	0	2·0	−100	0	90	− 1	·421	−·010	2·9	?	0	1·90	−1·90	0·04	0·72	− 0·68	1·15	1·18	− 0·03	0·04	Silchar.
1	1	2		1		4		2	S 70° W	2·2	1·8	+ 22	2·0	99	0	·391	−·013	9·1	+3·7	2	3·70	−1·70	1·03	1·31	− 0·28	2·29	1·88	+ 0·41	0·84	Sibsagar.
3		3	15	4	3	2		1	S 76° E	2·5	3·9	− 38	3·0	91	0	·419	+·010	1·8	−0·1	0	0·90	−0·90	0·09	0·33	− 0·24	0·09	0·50	− 0·41	0·09	Dhubri.
7		1			2	1			S	1·2			1·3	94		·391		6·0		2	1·70	+0·30	0·33	0·64	− 0·31	0·78	0·88	− 0·10	0·20	Gauhati.
7			3			1			S 71° E	1·5			1·6	92		·393		2·5		0	1·80	−1·80	0·01	0·65	− 0·64	1·34	1·08	+ 0·26	0·01	Tezpur.
0		1							N 45° E	0·8			0·8	95		·384		4·4		3	4·00	−1·00	1·24	1·57	− 0·33	2·54	2·33	+ 0·21	0·58	Dibrugarh.
														85	− 1	·433	+·008	3·5	+2·3				0·97	0·43	+0·49					IV.—Bengal and Orissa.
	13	15		1				1	N 25° E	2·8	3·7	− 24	2·6	86	− 2	·448	−·012	3·4	+2·3	0	0·68	−0·68	0	0·30	− 0·30	1·89	1·15	+ 0·74	0	Chittagong.
	1	1						13	N 39° W	1·8			1·9	87		·446		2·0		0	0·97	−0·97	0	0·44	− 0·44	1·55	0·82	+ 0·73	0	Noakhali.
	2		1	1	3	1			S 27° E	1·2			1·0	90		·444		2·2		2	1·29	+0·71	0·34	0·54	− 0·20	1·58	0·76	+ 0·82	0·23	Comilla.
						1	1		S 63° W	0·8			0·8	89		·416		2·5		1	1·07	−0·07	0·37	0·47	− 0·10	0·82	0·58	+ 0·24	0·34	Sirajganj.
	1	7	1				2	7	N 5° W	1·8	2·1	− 14	1·5	87	0	·436	−·013	3·4	+2·1	2	1·00	+1·00	1·12	0·38	+ 0·74	1·82	0·54	+ 1·28	0·94	Narayanganj
	5	6	1		1			3	N 17° E	1·6			1·4	84	− 3	·460	−·009	2·2	+1·4	1	1·00	0	0·30	0·67	− 0·37	0·83	1·27	− 0·44	0·23	Barisal.
	2	1	3	2		1	1	5	N 1° W	1·3			1·1	86	− 5	·418	−·002	9·2	?	1	1·00	0	0·14	0·50	− 0·36	0·21	0·55	− 0·34	0·14	Mymensingh.
	6		1	1			1	3	N 8° W	1·5			1·3	84		·422		3·0		4	0·97	+3·03	1·50	0·49	+ 1·01	1·82	0·57	+ 1·25	0·52	Faridpur.
	3	1		1			2		N	0·9	1·6	− 44	0·9	82	− 5	·422	−·013	3·2	+2·0	3	0·90	+2·10	0·60	0·46	+ 0·14	1·00	0·64	+ 0·36	0·18	Jessore.
	8	4	4	3	1	1	1	6	N 15° E	3·5	3·0	+ 17		87	+ 3	·450	+·012	3·3	+2·2	1	0·78	+0·22	1·78	0·32	+ 1·46	1·78	0·54	+ 1·24	1·67	Calcutta (Alipore).
	4	17	2		6			1	N 47° E	6·8	6·3	+ 8		91	+ 1	·525	−·001	5·8	+4·3	2	0·74	+1·26	0·48	0·21	+ 0·27	0·94	0·54	+ 0·40		Saugor Is.

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

derived are incomplete.

tions, the elevations of which exceed 32,00 feet.

‡ Mean of 23 days.

** Wind observations of 27 days.

Table

Abstract of Observations taken at 8 h. at 234 Stations

Number of rainfall division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 h. in inches.								Temperature of air.											
			Mean 8 h. pressure reduced to 32°.	Departure from normal.	Mean 8 h. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded month.	Date.	Lowest pressure recorded month.	Date.	Total range of pressure during month.	Mean of 8 h. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	Krishnagar*	47	30·031		30·030	30·119	5th	29·932	8th	·187	55·8	75·2		51·8		63·5		23·4	79·1	21st	43·4	8th	35·7
	Midnapore	149	29·931		30·035	30·017	5th	29·791	22nd	·226	60·6	78·1		56·4		67·3		21·7	83·3	19th	48·6	16th & 17th.	34·7
11	Bankura	298	29·763		30·045	29·857	5th	29·609	8th	·248	59·3	75·6		54·9		65·3		20·7	81·1	21st	47·1	15th	34·0
	Raniganj	334	29·752		30·064	29·850	5th	29·619	22nd	·231	56·4	75·3		53·3		64·3		22·0	80·0	27th	45·2	16th	34·8
	Burdwan	99	29·988	−·001	30·042	30·083	5th	29·877	22nd	·206	58·7	75·9	−2·9	55·1	+0·2	65·5	−1·4	20·8	81·8	29th	48·3	16th	33·5
	Naya Dumka	489	29·583		30·066	29·683	5th	29·457	8th	·226	57·0†	73·1†		51·2†		62·2†		21·9	78·3	28th	43·0	16th	35·3
	Berhampore	67	30·021	+·003	30·041	30·129	5th	29·897	22nd	·232	57·1	74·0	−2·8	53·0	−0·4	63·5	−1·6	21·0	80·7	28th	47·1	11th & 14th.	33·6
	Rampur Boalia	70	30·017		30·040	30·111	5th	29·889	20th	·222	57·2	73·1		52·2		62·7		20·9	79·1	28th	46·1	15th	33·0
	Malda	72	29·996		30·025	30·094	4th	29·826	20th	·268	55·4	72·7		50·8		61·8		21·9	78·1	22nd	43·1	16th	35·0
	Bogra	61	30·010	+·017	30·027	30·111	4th	29·869	20th	·242	55·8	74·3	−1·8	52·0	+0·1	63·2	−0·9	22·3	79·8	28th	46·2	11th	33·6
12	Dinajpur	123	29·946	+·005	30·031	30·054	4th	29·752	30th	·302	55·2	74·3	−1·4	49·1	−0·3	61·7	−0·9	25·2	79·8	28th	42·4	11th	37·4
	Rangpur	123	29·967		30·054	30·062	5th	29·777	30th	·285	56·0	73·4		51·0		62·2		22·4	78·7	28th	41·1	5th	37·6
	Jalpaiguri	284	29·785	−·004	30·046	29·894	4th	29·560	30th	·334	54·9	72·6	+0·6	50·0	−0·8	61·3	−0·1	22·6	76·9	28th	41·6	12th	35·3
	Cooch Behar	156	29·929		30·053	30·024	5th	29·729	30th	·295	53·9	73·4		50·3		61·9		23·1	77·7	28th	43·7	11th	34·0
17	Purnea	125	29·973	+·019	30·062	30·073	5th	29·759	30th	·314	53·8	72·8	−1·9	48·6	+0·3	60·7	−0·8	24·2	79·2	28th	41·0	10th	38·2
14	Balasore	50	30·033	−·002	30·029	30·115	5th	29·917	9th	·198	61·2	78·8	−2·5	56·3	+0·6	67·6	−1·0	22·5	83·9	29th & 20th.	45·0	14th	38·9
	Angul	455	29·602		30·040	29·682	14th	29·481	22nd	·201	62·6	80·8		58·2		69·5		22·6	86·1	30th	47·1	17th	39·0
	False Point	21	30·064	+·003	30·027	30·131	19th	29·964	9th	·167	66·1	78·5	−0·6	59·7‡	+1·4‡	69·1‡	+0·4‡	18·8	83·4	10th	46·9	14th	36·5
	Cuttack	80	30·005	+·003	30·032	30·081	14th	29·804	9th	·177	64·9	82·8	−1·7	62·0‡	+2·2‡	72·4‡	+0·3‡	20·8	89·4	30th	51·1	14th & 15th.	38·3
	Puri	24	30·078		30·041	30·150	5th	29·977	22nd	·173	69·8	79·3		66·0		72·7		13·3	83·0	1st & 21st.	53·6	14th & 15th.	29·4
	V.—Gangetic Plain and Chota Nagpur.			−·002								73·3	−1·1	48·2	−1·4	60·8	−1·3	25·0					39·5
15	Hazaribagh	2,007	28·005	−·004	30·064	28·100	5th	27·843	8th	·257	56·3	70·7	−2·4	50·3	−0·2	60·6	−1·3	20·4	79·7	21st	42·2	7th	37·5
	Ranchi	2,128	27·889	+·007	30·073	27·972	5th	27·739	8th	·233	56·0	71·6	−2·8	51·0	+0·1	61·3	−1·4	20·6	78·1	21st	43·0	7th	35·1
	Daltonganj	*730*	29·336		30·082	29·445	5th	29·120	8th	·325	50·6§	76·4§		45·4§		60·9§		31·0	82·0	21st	35·5	15th	46·5
	Purulia	*816*	29·245		30·059	29·345	5th	29·104	22nd	·241	57·3	75·3		53·9		64·6		21·4	79·9	20th	45·4	7th & 15th.	34·5
	Chaibassa	*760*	29·279	−·013	30·039	29·374	5th	29·125	22nd	·249	55·5	76·5	−4·7	53·5	+0·4	65·1	−2·2	23·0	82·9	9th	45·0	5 days	37·9
16	Gaya	375	29·699	−·008	30·056	29·816	5th	29·528	22nd	·288	54·3	74·6	−1·3	49·9	−1·7	62·2	−1·5	24·7	84·9	22nd & 23rd.	42·0	15th	42·9
	Dehri	351	29·717		30·048	29·834	5th	29·529	8th	·305	55·6	74·5		51·4		63·0		23·1	81·8	28th	45·1	6th	36·7
	Patna	183	29·904	−·009	30·053	30·015	5th	29·738	22nd	·277	55·0	72·0	−1·0	50·4	+0·2	61·2	−0·4	21·6	78·0	27th & 28th.	42·8	14th & 15th.	35·2
	Arrah	190	29·894		30·053	30·004	5th	29·703	8th	·301	52·6	73·2		48·1		60·7		25·1	79·3	27th	40·5	6th & 7th.	38·8
	Buxar	229	29·833		30·047	29·954	5th	29·618	8th	·336	54·2	73·8		49·5		61·7		24·3	80·1	27th & 28th.	41·9	6th, 14th & 15th.	38·2
17	Bhagalpur	160	29·934		30·055	30·034	5th	29·754	30th	·280	58·4	73·0		49·4		61·2		23·6	79·3	22nd	43·2	7th & 14th.	36·1
	Darbhanga	166	29·918	+·005	30·050	30·027	5th	29·727	30th	·300	53·5	72·4	−0·3	49·1	−3·0	60·8	−1·7	23·3	78·1	24th	42·2	14th	35·9
	Muzaffarpur	178	29·916		30·063	30·033	5th	29·723	30th	·310	55·3	71·6		49·2		60·4		22·4	77·1	30th	42·0	14th & 16th.	35·1
	Motihari	224	29·846		30·050	29·955	5th	29·653	30th	·302	49·0	72·7		46·1		59·5		26·6	78·3	28th	40·1	7th & 14th.	38·2
	Chapra	181	29·886		30·036	30·001	4th	29·703	8th	·298	52·2	72·5		47·8		60·2		24·7	78·3	27th	41·7	7th, 15th & 16th.	36·6
18	Benares	267	29·807	−·007	30·050	29·933	5th	29·597	8th	·336	52·6	74·3	0	45·1	−3·1	59·7	−1·6	29·2	83·0	28th	37·0	6th & 7th.	46·0
	Allahabad	309	29·765	−·008	30·055	29·890	5th	29·529	8th	·361	51·0	75·2	+0·8	45·1	−2·8	60·2	−1·0	30·1	83·6	28th	36·5	7th	47·1
23	Gorakhpur	257	29·803	−·006	30·037	29·925	5th	29·615	8th	·310	54·7	70·5	−2·4	49·0	−0·2	59·8	−1·3	21·5	77·1	28th	43·1	6th	34·0
19	Lucknow	368	29·703	+·004	30·062	29·822	4th	29·480	8th	·342	48·6	71·8	−2·2†	43·7	−3·0	57·8	−2·6†	28·1	79·7	28th	35·1	7th	44·6
20	Bahraich	401	29·649	−·003	30·043	29·770	4th	29·436	8th	·334	50·6	72·5	+0·1	45·9	−1·2	59·2	−0·6	26·6	79·6	28th	39·1	14th	40·5
21	Cawnpore	416	29·647	−·001	30·058	29·762	4th & 5th.	29·407	8th	·355	49·6	73·9	0	43·9	−3·2	58·9	−1·6	30·0	81·9	28th	36·1	3rd & 6th.	45·8
	Mainpuri	516	29·559	+·016	30·077	29·692	5th	29·356	8th	·336	48·1	72·9	+1·2	43·7	−2·5	58·3	−0·7	29·2	83·3	28th	37·9	6th & 14th.	46·0

* Mean of 29 days. ‡ Mean of 30 days.
† „ 28 „ § „ 26 „

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

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

Note 2.—The data from which divisional means of the figure columns Nos. 40, 42 and 44

—continued.

n India, Burma, etc., in January, 1906—continued.

Wind Direction. Number of winds from. Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction	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 h. Mean humidity at 8 h.	Departure from normal.	Mean vapour tension at 8 h.	Departure from normal.	Cloud. Mean cloud amount at 8 h.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st Dec. 1905, to 31st January 1906.	Normal rainfall for period, 1st Dec. to 31st January.	Departure from normal of period, 1st Dec. 1905, to 31st Jan. 1906.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
	2	1	1	3	1		4	5	N 53° W	1·1			1·1	92		·425		3·0		4	0·81	+ 3·19	2·49	0·43	+ 2·06	2·77	0·53	+ 2·24	1·41	Krishnagar.
	14	1		1	1	2		2	N 4° W	2·5			2·2	75		·411		3·3		2	0·94	+ 1·06	1·69	0·55	+ 1·14	2·73	0·75	+ 1·98	1·06	Midnapore.
	2	3	2		2		1	1	N 34° E	1·8			1·6	76		·392		3·8		4	1·06	+ 2·94	1·83	0·34	+ 1·49	2·20	0·47	+ 1·73	1·35	Bankura.
	1	1		1			3		N 18° W	1·6			1·3	79		·379		3·1		3	0·97	+ 2·03	1·26	0·43	+ 0·83	1·48	0·51	+ 0·97	0·70	Raniganj.
	1	2	1				2	1	N 6° W	1·5	1·8	−17	1·5	81	+9	·412	+·043	4·4	+2·9	3	0·81	+ 2·19	1·98	0·29	+ 1·69	2·61	0·40	+ 2·21	1·41	Burdwan.
									Calm	1·1			1·3	75†		·365†		3·3		2	1·17	+ 0·83	1·38	0·59	+ 0·79	1·44	0·75	+ 0·69	1·10	Naya Dumka
	2	1	2			3	3	3	N 59° W	1·5	1·8	−17	1·3	84	−4	·406	−·009	3·7	+2·3	4	1·06	+ 2·94	0·88	0·41	+ 0·47	1·36	0·52	+ 0·84	0·44	Berhampore.
						1			S 45° W	0·4				86		·409		2·2		4	0·85	+ 3·15	1·04	0·35	+ 0·69	1·13	0·41	+ 0·72	0·47	Rampur Boalia.
	8	5				1	3	4	N 12° W	7·4			6·8	90		·405		1·9		3	0·97	+ 2·03	1·65	0·68	+ 0·97	1·71	0·92	+ 0·79	1·34	Malda.
	1	2				1		2	N 18° W	1·3			1·1	83	−2	·380	−·016	1·6	+0·4	4	1·06	+ 2·94	1·01	0·57	+ 0·44	1·07	0·59	+ 0·48	0·40	Bogra.
	2	3	4		1	3	6	2	N 56° W	1·9			1·8	85	−2	·376	−·001	2·9	+1·8	2	0·84	+ 1·16	0·37	0·51	− 0·14	0·40	0·55	− 0·15	0·18	Dinajpur.
	1	5	3	2	1	3		2	N 76° E	1·8			1·7	87		·392		7·7		2	0·90	+ 1·10	0·39	0·49	− 0·10	0·39	0·58	− 0·19	0·27	Rangpur.
		2	2	1				2	N 56° E	0·8			1·0	90	−1	·395	−·001	1·5	+0·4	0	0·97	− 0·97	0·05	0·50	− 0·45	0·16	0·54	− 0·38	0·05	Jalpaiguri.
			1						E	1·1			1·1	90		·380		1·6		0	0·90	− 0·90	0	0·43	− 0·43	0·43	0·51	− 0·08	0	Cooch Behar
	2	7	1			2	2	1	N 18° E	0·5	1·7	−71	0·5	86	−5	·370	+·020	3·4	+2·2	1	0·90	+ 0·10	0·30	0·47	− 0·17	0·30	0·57	− 0·27	0·19	Purnea.
	7				3	3	1	13	N 48° W	3·0			2·2	80	−1	·453	+·011	4·4	+2·9	4	0·61	+3·39	3·04	0·27	+ 2·77	3·18	0·45	+2·73	1·29	Balasore.
	2	3	2	3	1	1	5	12	N 42° W	6·5			5·5	83		·496		3·0		3			2·42						1·92	Angul.
	14	1	1		4	1	1	5	N 16° W	5·7	6·0	− 5	5·9	88	0	·577	+·038	5·7	+4·2	1	0·71	+0·29	0·17	0·46	− 0·29	0·42	1·15	− 0·73	0·12	False Point.
		2	2	1	1	1	1		S 63° E	1·8	1·4	+29		86	+8	·543	+·088	5·3	+3·8	1	0·55	+0·45	0·36	0·16	+0·20	0·36	0·43	− 0·07	0·19	Cuttack.
	8	3	1		1	5			N 18° E	7·6			7·2	74		·561		3·0		2	0·43	+1·57	1·21	0·26	+0·95	1·21	0·91	+ 0·30	0·94	Puri.
														77	− 3	·324	−·026	2·4	+ 0·2				0·81	0·65	+ 0·16					V.—Gangetic Plain and Chota Nagpur.
	3		2	2	3	6	6	5	S 84° W	7·0	4·3	+43	6·3	59	− 5	·278	−·027	3·5	+1·6	4	1·45	+ 2·55	2·13	0·48	+ 1·65	2·16	0·68	+ 1·48	1·08	Hazaribagh.
	5		2	1	3	4	3	11	N 61° W	5·61			6·61	65	+ 2	·302	+·002	3·6	+2·0	5	1·35	+ 3·65	1·69	0·29	+ 1·40	1·99	0·38	+ 1·61	0·74	Ranchi.
	1						1	1	N 45° W	1·5			1·2	83§		·321§		2·3		3	1·63	+ 1·37	0·64	0·76	− 0·12	0·75	1·05	− 0·30	0·22	Daltonganj.
	1	3	1	1		10		10	N 79° W	3·4			4·2	78		·386		4·0		4	1·35	+ 2·65	2·59	0·44	+ 2·15	2·84	0·62	+ 2·22	1·11	Purulia.
														84	+10	·395	+·017	2·9	+1·5	5	1·23	+ 3·77	2·67	0·14	+ 2·53	2·67	0·24	+ 2·43	1·05	Chaibassa.
	2	3	1		4	2	3		S 45° W	4·0	1·6	+150	3·2	77	+ 4	·339	−·006	3·2	+1·5	3	1·32	+ 1·68	0·88	0·59	+ 0·29	0·93	0·76	+ 0·17	0·53	Gaya.
		1	2	2	8	10	4	2	S 30° W	4·8			4·3	76		·350		2·5		2	1·35	+ 0·65	0·35	0·59	− 0·24	0·39	0·91	− 0·52	0·14	Dehri.
		3	4	3	3	4	9		S 34° W	4·2	2·0	+110	4·8	76	− 1	·314	−·012	2·8	+1·1	2	1·32	+ 0·68	0·59	0·56	+ 0·03	0·78	0·66	+ 0·12	0·42	Patna.
		2		1	2	4			S 14° W	1·5				79		·332		1·5		2	1·58	+ 0·42	1·28	0·88	+ 0·40	1·32	1·01	+ 0·31	1·08	Arrah.
		1	6	2	1	7	9		S 41° W	5·2			4·9	69		·303		2·4		2	1·65	+ 0·35	0·62	0·78	− 0·16	0·70	0·98	− 0·28	0·31	Buxar.
	1	3	1			2	9	2	N 72° W	2·3			2·0	72		·356		2·7		1	1·32	− 0·32	1·91	0·55	+ 1·36	1·96	0·62	+ 1·34	1·78	Bhagalpur.
		1	8			2	5		S 63° E	2·2	2·3	− 4	2·0	91	+ 5	·383	+·003	2·6	+1·3	0	1·30	− 1·30	0·18	0·62	− 0·44	0·18	0·69	− 0·51	0·08	Darbhanga.
			3	1		2	1	1	S 45° E	1·8				87		·387		1·3		0	1·33	− 1·33	0·15	0·79	− 0·64	0·15	0·86	− 0·71	0·09	Muzaffarpur
		2	4	2	2	1	1		S 59° E	3·5			3·1	94		·334		6·6		0	1·32	− 1·32	0·02	0·59	− 0·57	0·02	0·73	− 0·71	0·01	Motihari.
		1	4	2	1	6	2		S 1° W	2·8			2·5	85		·341		4·1		2	1·48	+ 1·52	0·68	0·74	− 0·06	0·72	0·83	− 0·11	0·30	Chapra.
	1	1	2	3	1	6	4	1	S 40° W	2·0	2·9	−31	2·3	78	− 6	·323	−·018	1·2	−0·7	1	1·40	− 0·40	0·35	0·67	− 0·32	0·35	0·88	− 0·53	0·32	Benares.
		1	4			8	9	3	N 86° W	4·0	3·4	+18	3·3	66	−13	·256	−·077	1·5	−0·4	1	1·60	− 0·60	0·24	0·76	− 0·52	0·24	1·00	− 0·76	0·24	Allahabad.
		4	1			2	2		N 18° E	0·7	1·7	−59		75	−7	·330	−·020	1·2	−0·6	1	1·50	− 0·50	0·40	0·76	− 0·36	0·40	0·90	− 0·50	0·40	Gorakhpur.
	1		3			2	5		S 83° W	1·5	2·4	−38	1·6	76	− 6	·264	−·056	1·0	−1·5	0	1·90	− 1·90	0·02	0·96	− 0·94	0·05	1·34	− 1·29	0·02	Lucknow.
	3	1	4	2	1		1	8	N 10° E	2·6			2·4	79	− 8	·304	−·034	1·4	0	1	1·90	− 0·90	0·30	0·92	− 0·62	0·65	1·28	− 0·61	0·30	Bahraich.
	4	2	1	1		2	7	3	N 54° W	3·2				67	−12	·249	−·071	0·5	−1·4	0	1·60	− 1·60	0	0·68	− 0·68	0·03	0·85	− 0·82	0	Cawnpore.
	3	1	1	2		3	6	4	N 69° W	1·5			1·5	71	− 5	·247	−·038	0·9	−1·7	1	1·50	− 0·50	0·11	0·73	− 0·62	0·11	1·07	− 0·96	0·11	Mainpuri.

† data for the station are not utilized in calculating the provincial departures from normal.
e derived are incomplete.

Table

Abstract of Observations taken at 8 h. at 234 Stations

Number of rainfall division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 h. in inches. Mean 8 h. pressure reduced to 32°.	Departure from normal.	Mean 8 h. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Temperature of air. Mean of 8 h. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	VI.—Upper Sub-Himalayas.			+·009								67·6	−0·6	40·7	−3·1	54·2	−1·9	27·0					40·9
24	Bareilly	568	29·479	+·002	30·062	29·594	5th & 12th.	29·277	8th	·317	47·2	70·9	+0·3	43·9	−2·2	57·4	−1·0	27·0	77·8	28th	35·1	6th	42·7
	Dehra Dun	2,233	27·756	−·006	30·092	27·863	12th	27·584	8th	·279	45·2	66·1	−0·1	42·4	−2·4	54·3	−1·3	23·7	74·0	16th	36·0	11th & 13th.	38·0
	Roorkee	899	29·134	+·006	30·082	29·255	12th	28·941	8th	·314	43·9	68·5	−1·1	39·4	−5·0	54·0	−3·1	29·1	76·4	27th & 28th.	32·2	12th	44·2
22	Meerut	738	29·309	+·001	30·080	29·440	4th	29·120	8th	·320	45·0	71·1	+0·7	41·5	−3·5	56·3	−1·4	29·6	79·5	26th & 27th.	34·1	3rd	45·4
26	Delhi	718	29·343	+·007	30·087	29·489	5th	29·137	8th	·352	48·0	69·3	−1·4	45·0	−2·9	57·2	−2·2	24·3	76·2	20th	38·0	14th	38·2
28	Lahore	702	29·352	+·003	30·096	29·495	12th	29·069	8th	·426	40·7	67·5	−1·5	38·6	−2·1?	53·1	−1·8?	28·9	74·3	19th & 20th.	33·1	6 days	41·2
27	Sirsa	662	29·418	+·024	30·111	29·555	12th	29·183	8th	·372	43·4	68·8	−2·2	38·9	−4·2	53·9	−3·2	29·9	76·2	19th & 20th.	33·0	2nd	43·2
	Patiala	*818*	29·222		30·081	29·353	12th	28·991	8th	·362	44·7	66·9		40·6		53·8		26·3	72·3	20th	33·4	2nd	39·9
29	Ludhiana	812	29·230	+·004	30·085	29·362	4th	28·974	8th	·388	44·1	65·3	−1·9	41·1	−3·2	53·2	−2·6	24·2	72·1	27th	35·0	11th	37·1
	Sialkot	830	29·231	+·028	30·115	29·364	12th	28·948	8th	·416	45·9†	67·4†	+1·2†	40·8†	−2·0†	54·1†	−0·4†	26·6†	73·5	19th	34·0	12th & 14th.	39·5
	Ambala	892	29·145	+·018	30·086	29·270	12th	28·936	8th	·334	44·5	68·9	+1·1	40·0	−3·3	54·5	−1·1	28·9	76·6	27th	33·7	2nd	42·9
	Rawalpindi	1,674	28·358	+·012	30·159	28·487	29th	28·094	8th	·393	39·2	61·0	−2·1	35·7	−2·2	48·4	−2·2	25·3	69·9	19th	31·0	2nd	38·9
	VII.—Indus Valley and N.-W. Rajputana.			+·024								71·1	−0·5	42·2	−3·1	56·7	−1·9	28·9					43·6
32	Peshawar	1,110	28·973	−·004	30·173	29·120	29th	28·716	8th	·404	40·2	62·5	−1·0	37·5	−2·1	50·0	−1·6	25·0	71·2	19th	29·9	12th	41·3
	D. I. Khan	590	29·521	+·014	30·121	29·686	29th	29·281	8th	·405	42·3	68·4	−0·7	37·7	−2·7	53·1	−1·7	30·7	76·3	19th	31·5	2nd & 13th.	44·8
31	Khushab	612	29·479	+·024	30·123	29·625	29th	29·230	8th	·395	43·9	67·8	+0·2	39·0	−2·3	53·4	−1·1	28·8	75·8	19th	32·9	14th	42·9
	Montgomery	558	29·531	+·023	30·111	29·676	12th	29·258	7th	·418	43·7	68·2	−0·3	37·3*	−4·9	52·5*	−2·6	30·9	75·8	19th & 20th, 4 days	29·5	2nd	46·3
	Multan	420	29·688	+·014	30·114	29·846	13th	29·411	7th	·435	45·5	70·1	−0·1	41·0	−2·3	55·5	−1·2	29·1	76·3	4 days	34·5	13th	41·8
41	Jacobabad	186	29·964	+·046	30·128	30·138	13th	29·779	7th	·361	49·9	74·3	+0·7	40·8	−2·5	57·6	−0·9	33·5	82·0	19th	33·0	13th	49·0
	Hyderabad	96	30·048	+·035	30·106	30·203	13th	29·886	7th & 9th, 22nd	·317	53·1	76·1	−0·7	47·5	−3·6	61·8	−2·2	28·6	83·6	20th	40·0	13th	43·6
	Kurrachee	30	30·113	+·032	30·095	30·266	13th	29·961	22nd	·305	56·5	77·2	+0·3	52·5	−2·0	64·9	−0·9	24·7	82·9	21st & 22nd.	46·2	2nd	36·7
51	Bikaner	*771*	29·315	+·027	30·120	29·459	13th	29·089	7th	·370	47·1	68·8	−3·0	43·5	−5·9	56·2	−4·5	25·3	76·6	20th	35·6	14th	41·0
	Pachpadra	*380*	29·723	+·025	30·100	29·864	12th	29·574	7th	·290	46·7	75·3	+3·6?	40·4	−4·6	57·9	−0·5?	34·9	83·8	20th	34·4	5th	49·4
	Jodhpur	782	29·303		30·128	29·437	13th	29·137	8th	·300	51·3	74·2		47·3		60·8		26·9	83·1	19th & 20th.	40·1	9th	43·0
	VIII.—East Rajputana, Central India and Gujarat.			+·014								77·5	−1·5	48·3	−3·2	62·9	−2·4	29·2					44·8
50	Jaipur	1,431	28·623	+·008	30·117	28·744	5th	28·443	8th	·301	50·3	73·8	−0·8	44·2	−3·8	89·0	−2·3	29·6	83·2	20th	34·5	14th	48·7
	Kotah	819?	29·233		30·110	29·368	5th	29·055	8th	·313	53·4	76·0		48·9		62·5		27·1	85·5	20th	43·5	5th	42·0
	Sambhar	1,254	28·801	+·014	30·127	28·933	4th	28·615	8th	·318	43·7	72·4	−1·2	40·0	−5·4	56·2	−3·3	32·4	82·4	20th	33·0	14th	49·4
	Ajmer	1,611	28·451	+·009	30·149	28·581	4th	28·270	8th	·311	46·2	72·9	−1·2	43·7	−1·8?	58·3	−1·5?	29·2	81·4	20th & 21st, 20th	38·9	6th & 9th, 2nd & 6th.	42·5
	Udaipur	1,925	28·128		30·125	28·247	5th	27·977	8th	·270	52·1	74·2		43·6		58·9		30·6	86·0	20th	37·7	2nd	48·3
46	Bhuj	395	29·708	+·031	30·083	29·815	13th	29·576	22nd	·239	56·9	76·6	−3·8	51·0	−3·4	63·8	−3·6	25·6	84·3	20th & 24th.	43·7	2nd	40·6
	Jamnagar	61	30·056		30·062	30·166	5th	29·926	22nd	·240	56·4	77·9		50·5		64·2		27·4	84·0	31st	44·2	5th	39·8
	Rajkot	429	29·654	+·024	30·062	29·738	5th	29·558	22nd	·180	58·1	84·7	+0·7?	45·7†	−5·3†	66·0†	−2·3?	39·0†	90·9	4 days	41·0	28th	49·9
	Veraval	*18*	30·058	+·017	30·018	30·141	29th	29·981	22nd	·160	62·5	80·5	−1·0	57·5	−1·3	69·0	−1·2	23·0	87·6	17th	48·7	2nd	36·9
	Dwarka	37?	30·073		30·057	30·171	12th	29·957	22nd	·214	64·0	76·3		57·5		66·9		18·8	80·3	18th & 31st.	51·6	3rd	28·7
	Bhavnagar Para	55	30·039	?	30·038	30·121	29th	29·936	22nd	·185	57·0	82·2	−3·5?	49·9	−6·2	66·0	−4·9?	32·3	82·6	20th	40·5	2nd	52·1
49	Newgong	757	29·311	−·005	30·090	29·424	13th	29·118	8th	·316	48·6	73·6	−1·5	43·5	−3·5	58·6	−2·5	30·1	82·5	21st	36·0	5th, 6th & 15th.	46·5
	Indore	1,823	28·219	+·013	30·095	28·326	5th	28·097	8th	·229	55·4	78·1	−1·3	45·6	−4·2	61·9	−2·8	32·5	88·1	20th & 21st	38·1	3rd & 16th.	50·0
	Neemuch	1,630	28·422	+·012	30·115	28·538	5th	28·274	8th	·264	52·2	74·9	−2·7	44·3	−4·4	59·6	−3·6	30·6	86·0	21st	38·3	1st	47·7
45	Surat	39	30·034	+·022	30·020	30·105	28th & 29th.	29·948	22nd	·157	60·6	85·3	−1·6	55·7	−0·8	70·5	−1·2	29·6	86·2	19th	47·2	1st & 3rd.	49·0

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

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

Note 2.—The data from which divisional means of the figure columns Nos. 40, 42 and 44

† Mean of 26 days.

—continued.

India, Burma, etc., in January, 1906—continued.

Wind Direction. Number of winds from N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	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 h. Mean humidity at 8 h.	Departure from normal.	Mean vapour tension at 8 h.	Departure from normal.	Cloud. Mean cloud amount at 8 h.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st Dec. 1905 to 31st January 1906.	Normal rainfall for period, 1st Dec. to 31st January.	Departure from normal of period, 1st Dec. 1905 to 31st January 1906.	Heaviest rainfall during month.	Station.
26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
													74	−6	·220	−·046	2·2	−1·6				0·34	1·67	−1·36					VI.—Upper Sub-Himalayas.
		2				4	1	N 75° W	1·2	2·8	−57	1·1	79	− 3	·263	−·034	1·2	−1·5	1	2·36	−1·36	0·43	1·05	−0·62	0·55	1·38	−0·83	0·39	Bareilly.
								Calm.	0·9	1·8	−50		74	− 5	·223	−·040	3·1	−1·6	2	3·50	−1·50	0·27	2·38	−2·11	1·27	3·18	−1·91	0·11	Dehra Dun.
1		1	3			1	10	N 40° W	2·7 *	2·2	+23		80	− 5	·232	−·045	1·9	−1·1	1	2·80	−1·80	0·14	1·68	−1·54	0·66	2·29	−1·63	0·11	Roorkee.
1				1	3	6		N 60° W	1·4	2·1	−33	1·4	62	−15	·193	−·070	1·9	−1·2	1	2·30	−1·30	0·13	1·35	−1·22	0·37	1·83	−1·56	0·13	Meerut.
2		2		8		4		N 70° W	2·9	3·0	−3	2·6	55	−13	·191	−·068	1·6	−2·0	0	2·40	−2·40	0	1·23	−1·23	0	1·76	−1·76	0	Delhi.
2	1	1				2		N 7° E	1·5	1·9	−21		86	+ 4	·223	−·032	2·5	−1·5	0	1·90	−1·90	0·01	1·12	−1·11	0·57	1·50	−0·93	0·01	Lahore.
2	1	1	1	2	3	1		N 45° W	1·3	2·6	−50	1·1	70	− 6	·196	−·055	1·8	−2·4	0	1·50	−1·50	0·03	0·84	−0·81	0·52	1·15	−0·63	0·03	Sirsa.
4	2	2	4	1	6	5		N 39° W	4·7			4·8	73		·221		2·6		2			0·76			1·17			0·58	Patiala.
1			4	1	3	7		N 68° W	1·9	1·1	+73	1·7	78	− 4	·230	−·043	1·6	−2·9	1	2·60	−1·60	0·25	1·84	−1·59	0·52	2·62	−2·10	0·20	Ludhiana.
3	3	3			4	3		N 8° W	1·8	1·4	+29	1·5	77	− 5	·239	−·030	2·0	−1·4	1	3·40	−2·40	0·46	2·51	−2·05	2·09	3·03	−0·94	0·41	Sialkot.
			3		1	11		N 49° W	2·6			2·3	74	−13	·219	−·065	2·8	−0·6	1	2·80	−1·80	1·01	1·62	−0·61	1·42	2·44	−1·02	1·00	Ambala.
1	3				1	1		N 10° E	2·3	1·9	+21	2·1	85	+ 1	·207	−·0 23	3·8	−0·9	3	4·20	−1·20	0·53	2·74	−2·21	3·55	3·48	+0·07	0·19	Rawalpindi.
													54	−10	·179	−·055	2·0	−1·4				0·01	0·57	−0·56					VII.—Indus Valley and N.-W. Rajputana.
	1			5	3			S 13° W	0·5	2·5	−80	0·5	65	− 8	·164	−·040	3·3	−1·4	0	2·90	−2·90	0	1·60	−1·60	2·54	1·93	+0·61	0	Peshawar.
	2					4		N 18° E	0·7	1·4	−50	0·7	66	− 3	·180	−·025	3·1	−0·2	0	1·40	−1·40	0	0·44	−0·44	1·02	0·65	+0·37	0	D. I. Khan.
3	5	1		4	3	4		S 72° W	3·8			3·6	70	0	·204	−·009	2·5	−0·7	0	1·50	−1·50	0	0·82	−0·82	1·16	1·36	−0·20	0	Khushab.
2	3		3		2	6	5	N 58° W	3·8			3·5	56	−19	·159	−·087	2·3	−1·5	0	1·30	−1·30	0	0·84	−0·84	0·44	1·26	−0·82	0	Montgomery
2		1	4					S 78° E	1·1	1·7	−35	1·0	60	−11	·189	−·055	1·7	−1·5	0	1·10	−1·10	0	0·45	−0·45	0·90	0·64	+0·26	0	Multan.
6	3	3	1	1	2	6		N 4° W	2·6	2·1	+24	2·7	53	− 9	·194	−·024	1·8	−1·7	0	1·00	−1·00	0	0·27	−0·27	0·18	0·36	−0·18	0	Jacobabad.
13	4	1	1	1	1	5		N 1° E	5·6	7·2	−22	5·0	48	−10	·195	−·063	0·9	−2·3	0	0·70	−0·70	0	0·24	−0·24	0·10	0·29	−0·19	0	Hyderabad.
6	19	2				2		N 34° E	6·3	10·0	−37	6·2	54	−10	·257	−·072	2·1	−0·4	1	1·10	−0·10	0·11	0·66	−0·55	0·31	0·79	−0·48	0·11	Kurrachee.
2	2	3	7	7	2	3	2	S 22° E	4·9	2·9	+69		49	− 8	·160	−·069	1·6	−1·7	0	1·10	−1·10	0	0·39	−0·39	0·05	0·56	−0·51	0	Bikaner.
4	6	4	2	2	1		2	N 48° E	5·6	2·8	+100	5·3	41	−20	·137	−·101	0·6	−2·4	0	1·00	−1·00	0	0·38	−0·38	0	0·50	−0·50	0	Pachpadra.
2	20	2	1		1	1	1	N 43° E	6·0			5·4	33		·135		2·0			0·90	−0·90	0	0·23	−0·23	0	0·38	−0·38	0	Jodhpur.
													47	−16	·211	−·081	0·9	−0·7				0·01	0·26	−0·24					VIII.—East Rajputana, Central India and Gujarat.
6	5	3	3		1	2	3	N 23° E	3·4	3·9	−13		41	−25	·154	−·111	1·5	−1·6	0	1·50	−1·50	0	0·60	−0·60	0	0·79	−0·79	0	Jaipur.
	1					3	1	N 66° W	1·4			1·1	37		·153		0·2		0	0·70	−0·70	0	0·15	−0·15	0·02	0·44	−0·42	0	Kotah.
3	2	2						N 38° E	4·3	4·5	− 4		51	−15	·152	−·091	1·5	−1·2	0	1·10	−1·10	0	0·39	−0·39	0	0·74	−0·74	0	Sambhar.
2	2					7		N 23° W	3·1	1·9	+63	2·7	51	−22	·163	−·101	1·5	−1·0	0	1·30	−1·30	0	0·44	−0·44	0	0·71	−0·71	0	Ajmer.
1	1	3						N 64° E	2·7			2·4	43		·169		0·5		0	0·30	−0·30	0			0			0	Udaipur.
4	4	2				3		N 18° E	7·9	6·0	+32	6·6	58	P	·267	−·048	0·3	−1·0	0	0·10	−0·10	0·09	0·07	+0·02	0·09	0·14	−0·05	0·09	Bhuj.
1	7	10	2	2	2			N86° E	9·4			9·2	52		·257		0·3		0			0			0			0	Jamnagar.
2	6	5	2			2		N 61° E	4·3	5·2	−17	4·3	43	−10	·223	−·067	0·8	−0·2	1	0·20	+0·80	0·13	0·04	+0·09	0·13	0·08	+0·05	0·13	Rajkot.
9	9	1					2	N 14° E	8·9	5·1		8·9	47	− 5	·267	−·055	0·6	−0·7	0	0	0	0·03	0	+0·03	0·03	0·09	−0·06	0·03	Veraval.
	7				3	10		N 12° W	12·3				67		·392		0·9		0			0			0			0	Dwarka.
	2			6	7	13		N 69° W	6·0			5·0	38	P	·187	P	1·2	+0·1	0	0·10	−0·10	0	0·07	−0·07	0	0·14	−0·14	0	Bhavnagar Para.
	6		4	3	3	4		S 41° W	0·6	1·4	−57	0·6	55	−21	·194	−·114†	1·1	−1·2	0	1·70	−1·70	0	0·71	−0·71	0·36	1·26	−0·90	0	Newgong.
7	1	2			2			N 49° E	2·8	2·5	+12	2·3	41	−21	·185	−·113	1·5	+0·1	0	0·40	−0·40	0	0·13	−0·13	0	0·33	−0·33	0	Indore.
9	2				1	3		N 13	6·2	8·1	−23	5·2	29	−28	·113	−·151	1·5	−0·5	0	0·40	−0·40	0	0·21	−0·21	0	0·49	−0·49	0	Neemuch.
7	6	1	3		1	1		N 42° E	4·3	5·2	−17	4·0	64	0	·343	−·033	1·0	+0·3	0	0·20	−0·20	0	0·05	−0·05	0	0·08	−0·08	0	Surat.

ta for that station are not utilised in calculating the provincial departures from normal.
erived are incomplete.

* Mean of 30 days.
‡ Mean of 29 days.

Table

Abstract of Observations taken at 8 h. at 234 Stations

Number of rainfall division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 h., in inches.								Temperature of air.												
			Mean 8 h. pressure reduced to 32°.	Departure from normal.	Mean 8 h. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 h. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
45	Ahmedabad*	163	29·919	+·011	30·046	30·022	5th	29·814	21st	·208	59·1	82·5	−1·5	53·7†	−3·3†	68·2†	−2·4†	28·8	92·2	20th	47·2	11th & 12th.	45·0
	Deesa	466	29·608	+·012	30·064	29·717	5th	29·487	22nd	·230	52·4	81·6	−1·5	45·4	−6·1	63·5	−3·8	36·2	89·3	19th	40·4	2nd & 7th.	48·1
22	Agra	555	29·526	+·007	30·089	29·657	5th	29·312	8th	·345	49·3	72·2	−1·3	46·6	−1·8	59·5	−1·6	25·4	81·5	28th	39·9	5th	41·6
21	Jhansi	858	29·236	+·022	30·113	29·352	13th	29·044	8th	·308	54·9	76·2	−0·2	50·6	−0·5	63·4	−0·4	25·6	85·2	28th	44·2	2nd	41·0
	IX.—Deccan.			−·005								83·0	−0·2	55·3	+0·2	69·2	0	27·7					43·7
38	Belgaum	2,539	27·475	0	30·000	27·525	5th	27·421	8th & 22nd.	·104	66·2	83·3	−0·2	58·8	+1·3	71·1	+0·6	24·5	88·3	31st	50·9	12th	37·5
	Sholapur	1,590	28·434	−·012	30·024	28·485	5th	28·354	22nd	·131	66·6	88·1	+0·4	60·8	+2·6	74·5	+1·5	27·3	92·2	25th	51·6	10th	40·7
	Poona	1,840	28·201	+·011	30·081	28·274	15th	28·112	22nd	·162	58·5	85·2	−0·7	52·2	−2·1	68·7	−1·4	33·0	89·0	5 days	42·5	2nd	46·5
	Bijapur	*1,948*	28·068	−·008	30·009	28·128	5th	27·931	22nd	·197	68·0	87·4	+2·2	61·0	+2·4	74·2	+2·3	26·4	90·9	2nd	51·1	10th, 11th & 16th	39·5
40	Malegaon	1,430	28·607	−·008	30·066	28·688	29th	28·517	21st & 22nd.	·171	57·7	85·0	−0·6	49·3	−2·6	67·2	−1·6	35·7	93·4	20th	40·1	16th	53·3
	Ahmednagar	2,154	27·889	+·013	30·071	27·954	15th	27·796	22nd	·158	61·2	84·9	+0·9	53·3	+2·6	69·1	+1·8	31·6	89·9	18th	45·6	10th	44·1
41	Akola	930	29·105	−·014	30·035	29·182	5th	28·979	22nd	·203	60·2	85·5	+0·3	52·9†	−0·5†	69·2†	−0·1	32·6	93·9	20th	40·4	16th	53·5
	Amraoti	1,215	28·820	−·002	30·039	28·906	5th	28·709	22nd	·197	63·5	84·6	0	57·6	−0·2	71·1	−0·1	27·0	91·2	20th	49·8	10th	41·4
42	Khandwa	1,044	28·999	−·002	30·064	29·110	5th	28·885	22nd	·225	55·5	82·6	−1·3	48·8	−3·0	65·7	−2·2	33·8	93·2	20th	38·2	17th	55·0
	Hoshangabad	1,006	29·061	+·010	30·094	29·182	5th	28·922	8th	·260	53·8	77·6	−2·7	47·4	−4·9	62·5	−3·8	30·2	87·5	20th	40·3	15th	47·2
	Nagpur	1,025	29·023	+·002	30·055	29·113	14th	28·888	22nd	·225	61·1	83·6	+0·1	54·9	−0·7	69·3	−0·3	28·7	89·6	20th	43·1	16th	46·3
43	Chanda	*634*	29·412	−·010	30·024	29·494	14th	29·284	22nd	·210	62·3	84·9	−0·5	56·5	+2·4	70·7	+1·0	28·4	91·5	25th, & 26th.	43·1	16th	48·4
	Seoni	2,033	27·992	−·010	30·073	28·088	5th	27·862	8th	·226	56·5	79·0	−0·2	50·9	−0·4	65·0	−0·3	28·1	87·8	20th	43·0	10th	44·0
	Jubbulpore	1,327	28·706	−·011	30·081	28·832	5th	28·535	8th	·297	51·1	76·8	−0·8	44·3	−2·7	60·6	−2·3	32·5	89·4	21st	34·8	16th	54·6
	Saugor	1,807	28·220	−·010	30·077	28·335	5th	28·068	8th	·267	55·6	75·7	−1·2	50·5	−1·3	63·1	−1·3	25·2	87·4	21st	41·0	3rd	46·4
49	Sutna	1,040	29·001	−·011	30·077	29·120	5th	28·793	8th	·327	51·0	75·4	+0·3	45·3	−2·3	60·4	−1·0	30·1	85·9	22nd	37·1	6th	48·8
44	Raipur	970	29·068	−·012	30·041	29·153	14th	28·926	8th	·227	60·3	80·8	−0·8	55·7	+0·3	68·3	−0·3	25·1	86·6	20th	43·4	15th, 16th & 17th.	38·5
	Pendra	2,123?	27·987		30·082	28·085	5th	27·821	8th	·264	54·3	76·2		49·8		63·0		26·4	83·3	21st	41·5	10th	41·8
	Sambalpur	486	29·578	−·010	30·040	29·688	14th	29·439	8th	·249	61·4	81·1	−1·1	56·4	+1·6	68·8	+0·3	24·7	86·1	22nd & 25th.	42·7	17th	43·4
39	Aurangabad	1,905	28·135		30·044	28·201	14th	28·049	8th	·152	65·4	84·2		55·7		70·0		28·5	90·3	20th	45·2	11th	45·0
	Indur	1,260	28·764		30·011	28·776	14th	28·749	8th	·027	69·4	86·7		53·7		70·2		33·0	89·0	27th & 28th.	48·1	10th	40·0
	Bidar	*2,165*	27·880		30·028	27·959	19th	27·801	1st	·158	70·5	83·5		64·2		73·9		19·3	87·9	1st	56·7	15th	31·0
53	Gulbarga	1,503	28·523	−·008	30·014	28·586	5th	28·433	22nd	·153	69·3	87·7	+1·1	62·3	+3·7	75·0	+2·4	25·4	91·2	2nd	48·2	10th	43·0
	Raichur	1,326?	28·687	−·010	29·991	28·747	5th	28·613	8th	·134	71·8	87·2	+0·5	66·8	+3·4	77·0	+2·0	20·4	91·6	1st	56·7	10th	34·9
	Hyderabad (Deccan).	1,690	28·333	−·013	30·022	28·395	5th	28·240	22nd	·155	66·7	84·6	+0·1	63·3	+5·2	74·0	+2·7	21·3	88·3	1st & 2nd.	53·8	11th	34·5
	Hanumkonda	871	29·152		29·997	29·230	5th	29·034	22nd	·196	69·5	86·2		65·2		75·7		21·0	91·0	25th	55·7	15th	35·3
	X.—West Coast.			+·005								84·9	−1·6	70·0	+1·2	77·5	−0·2	14·8					28·7
37	Bombay	37	30·013	+·002	29·991	30·089	28th	29·935	30th	·149	69·6	82·0	−0·6	66·4	−1·5	74·2	−1·1	15·6	89·0	19th & 21st.	60·0	2nd	29·0
	Ratnagiri	110	29·918	+·009	29·971	29·984	28th	29·862	7th	·122	70·9	84·1	−3·6	66·2	0	75·2	−1·8	17·9	96·3	18th	60·0	10th	36·3
	Mormugao	*60*	29·978	+·019	29·974	30·032	28th	29·917	30th	·115	71·7	82·0	−2·8	69·9	+1·0	76·5	−0·9	13·1	90·0	17th	65·3	28th	24·9
	Goa	199	29·833	−·005	29·978	29·888	28th	29·781	30th	·107	72·5	83·2	−3·7	70·0	+2·2	76·6	−0·8	13·2	90·0	17th	66·0	13th	24·0
	Karwar	94	29·987	+·008	29·966	30·041	20th	29·935	16th	·106	68·6	85·0	−1·9	66·1	+0·6	75·6	−0·7	18·9	92·8	17th	60·5	11th & 12th.	32·3
33	Cochin	10	29·993	+·002	29·931	30·051	20th	29·929	16th	·122	77·0	89·3	+0·2	74·3	+2·8	81·8	+1·5	15·0	91·3	6th, 27th & 29th.	69·7	1st	21·6
	Calicut	27	29·985	+·001	29·942	30·052	20th	29·901	16th	·151	76·2	87·2	−0·4	72·6	+3·0	79·9	+1·3	14·6	88·8	25th	69·7	4th & 11th.	19·1
	Mangalore	65	29·959	+·005	29·957	30·029	20th	29·891	16th	·138	77·1	85·6	−2·9	71·7	+2·2	78·7	−0·4	13·9	92·2	17th	66·0	11th	26·2
	Trivandrum	198	29·796	?	29·935	29·859	20th	29·722	16th	·137	76·5	84·4	+1·0	73·1	+0·7	78·8	+0·9	11·3	87·0	30th	70·0	2nd	16·1

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

* Observations of 30 days.

† Mean of 29 ,,

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

Note 2.—The data from which divisional means of the figure columns Nos.

I—*continued.*

in India, Burma, etc., in January, 1906—continued.

Wind Direction. Number of winds from									Wind velocity.				Hygrometry, 8 h.				Cloud.		Rainfall.								Station
Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	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 h.	Departure from normal.	Mean vapour tension at 8 h.	Departure from normal.	Mean cloud amount at 8 h.	Departure from normal.	Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st Dec. 1905 to 31st Jan. 1906.	Normal rainfall for period, 1st Dec. to 31st January.	Departure from normal of period, 1st Dec 1905 to 31st Jan. 1906.	Heaviest rainfall during month.	
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
2	3	11	9			1	1	3	N 47° E	4·2			3·5	37	−10	·189	−·081	1·5	−0·2	0	0·10	−0·10	0·01	0·03	−0·02	0·06	0·10	− 0·04	0·01	Ahmedaba
	3	22	5		1				N 50° E	9·4	8·6	+ 9		31	−15	·122	−·105	0·5	−1·1	0	0·36	−0·36	0	0·15	−0·15	0	0·21	− 0·21	0	Deesa.
2		7		9		9		4	S 23° E	4·6	3·5	+31	5·4	56	−16	·201	−·080	1·5	−1·1	0	1·20	−1·20	0·02	0·53	− 0·51	0·05	0·82	− 0·77	0·02	Agra.
14		1		1	1	7	4	3	S 68° W	3·3	2·2	+50	4·0	62	?	·272	−·022	0·4	−1·4	0	1·20	−1·20	0	0·62	−0·62	0	0·86	− 0·86	0	Jhansi.
														55	−7	·321	−·031	2·5	+1·2				0·79	0·24	+0·53					IX.—Deccan.
16		3	3	5	2		1	1	S 67° E	7·4	10·9	−32		61	+ 5	·395	+·039	3·8	+2·9	2	0·20	+1·80	2·29	0·04	+ 2·25	2·29	0·16	+ 2·13	1·90	Belgaum.
1	2	10	2	4		1	6	5	N 10° E	7·7	7·1	+ 8	7·6	43	− 5	·296	−·029	3·5	+2·5	1	0·20	+0·80	0·99	0·07	+ 0·92	0·99	0·50	+ 0·49	0·99	Sholapur.
12			2	3	1	4	2	7	S 80° W	6·6*	5·7	+16		61	+ 4	·310	+·002	1·6	+0·8	1	0·20	+0·80	0·45	0·04	+ 0·41	0·45	0·23	+ 0·22	0·45	Poona.
1	1	3	3	3	5	1	8	6	S 85° W	3·1			3·0	67	− 1	·470	+·015	4·1	+2·9	1	0·20	+0·80	0·12	0	+ 0·12	0·12	0·03	+ 0·09	0·12	Bijapur.
4	2		1				12	12	N 62° W	9·1	3·9	+133	10·5	36	−22	·180	−·127	0	−1·3	0	0·10	−0·10	0·02	0·11	− 0·09	0·02	0·37	− 0·35	0·02	Malegaon.
4	2	1		1		1	1	21	N 43° W	5·6			6·8	47	−14	·272	−·071	0·9	0	1	0·20	+0·80	0·40	0·01	+ 0·39	0·40	0·51	− 0·11	0·39	Ahmednaga
10		3	4	6	2		3	3	S 69° E	4·0	3·4	+18	3·5	51	− 4	·269	−·029	1·7	+0·5	1	0·70	+0·30	0·75	0·33	+ 0·42	0·75	1·08	− 0·33	0·74	Akola.
8		13	7	1		1	1		N 63° E	2·6	3·2	−19	2·3	42	−10	·252	−·075	1·5	+0·3	1	0·90	+0·10	0·33	0·35	− 0·02	0·33	0·92	− 0·59	0·26	Amraoti.
24		4	2					1	N 50° E	1·6	2·8	−43	1·6	41	−15	·188	−·087	1·5	+0·5	0	0·50	−0·50	0	0·26	− 0·26	0	0·69	− 0·69	0	Khandwa.
6		14	8		1	1		1	N 62° E	4·1	2·5	+64	4·2	53	−14	·225	−·088?	0·6	−0·8	0	0·80	−0·80	0	0·26	− 0·26	0	0·79	− 0·79	0	Hosharg-abad.
6	13	5		1		1	2	3	N 2° W	3·5	3·9	−10	2·8	47	−14	·261	−·087	2·6	+1·3	1	1·00	0	0·21	0·43	− 0·22	0·21	0·91	− 0·70	0·21	Nagpur.
8	7	2	4		1		1	8	N 5° W	3·3	2·1	+57	2·9	62	− 9	·372	−·025	3·2	+2·1	1	0·60	+0·40	0·13	0·30	− 0·17	0·13	0·64	− 0·51	0·11	Chanda.
6	9	10		1	1	1	1	2	N 17° E	5·8	2·7	+115	4·9	53	−14	·245	−·094	1·9	+0·3	0	1·20	−1·20	0	0·53	− 0·53	0	1·05	− 1·05	0	Seoni.
8	2	2	1	8	8	1		1	S 33° E	2·2	2·2	0	1·9	64	−11	·251	−·070	0·7	−1·0	1	1·40	−0·40	1·31	0·72	+ 0·59	1·36	1·05	+ 0·31	1·29	Jubbulpore
7	1	6	5	5	1	4	1	1	S 81° E	4·9	2·8	+75	4·4	31	−28	·138	−·142	1·0	−0·3	0	1·50	−1·50	0	0·64	− 0·64	0·06	1·34	− 1·28	0	Saugor.
16		2	3	1		2	5	2	N 75° W	1·3	4·0	−68	1·2	65	− 5	·254	−·038	3·0	+1·8	1	1·80	−0·80	0·36	0·92	− 0·56	0·41	1·35	− 0·94	0·36	Sutna.
25	4	1			1				N 11° E	1·6	2·6	−38	1·9	66	+ 4	·361	+·014	3·9	+2·5	0	0·80	−0·80	0·01	0·20	− 0·19	0·01	0·45	− 0·44	0·01	Raipur.
14	7	1	1	1	2		*	5	N 7° W	4·5			3·8	57		·256		2·6		3			1·72			1·72			1·21	Pendra.
	5	9	6	7	2		1	1	N 72° E	4·0	1·6	+150	3·9	71	− 2	·401	−·004	4·1	+2·8	2	1·00	+1·00	1·03	0·28	+ 0·75	1·03	0·52	+ 0·51	0·79	Sambalpur.
17		6	6			1	1		N 66° E	7·9			7·8	42		·269		1·3		1	0·20	+0·80	1·67	0·12	+ 15·5	1·67	0·73	+ 0·94	1·67	Aurangaba
17		4						10	N 22° W	4·1			3·5	34		·250		1·6		0	0·20	+0·80	0·03	0·05	− 0·02	0·03	0·38	− 0·35	0·02	Indur.
	5	6	4	2	4	8	1	1	S 63° E	6·0			5·0	56		·431		2·8		3	0·10	+2·90	2·75	0·02	+ 2·73	2·75	0·54	+ 2·21	2·02	Bidar.
13	2	7	5	1	2			1	N 63° E	9·3			8·2	60	+ 3	·436	+·060	2·6	+1·5	1	0·20	+0·80	1·10	0·07	+ 1·03	1·10	0·07	+ 1·03	1·10	Gulbarga.
11			3	9		8			S 18° E	8·6			8·2	64	+ 1	·513	+·064	4·6	+3·1	1	0·10	+0·90	1·36	0	+ 1·36	1·36	0	+ 1·36	1·36	Raichur.
31									Calm	2·2			2·1	78	+ 3	·524	+·070	4·9	+3·5	4			3·31	0·06	+ 3·25	3·31	0·23	+ 2·08	1·93	Hyderabad (Deccan).
8	2			15	3		1	2	S 39° E	7·1			6·2	72		·531		5·4		1	0·20	+0·80	0·26			0·26			0·18	Hanumkond
														78	+5	·651	+·058	3·0	+1·9				0·52	0 22	+0·31					X.—West Coast.
	3	12	14	2					N 67° E	9·2	10·1	− 9		70	− 2	·514	−·035	1·9	+1·0	0	0·10	−0·10	0	0·10	− 0·10	0	0·16	− 0·16	0	Bombay.
2	3	7	16	3					N 76° E	9·8	9·8	0	9·7	69	+ 9?	·517	+·038	2·3	+1·5	1	0·20	+0·80	0·40	0·15	+ 0·25	0·40	0·20	+0·20	0·36	Ratnagiri.
1		4	6	5	14	1			S 37° E	8·9‡				85	+ 4?	·661	+·028	3·2	+2·8	1			0·60	0	+ 0·60	0·60	0	+0·60	0·59	Mormugao.
1	2	5	21	1	1				N 81° E	7·4				74	+ 7	·601	+·034	3·3	+2·9	1			0·31	0·19	+ 0·12	0·31	0·25	+0·06	0·25	Goa.
	6	16	8	1					N 50° E	4·5				88	+ 9	·614	+·081	2·4	+2·0	0	0·10	−0·10	0·09	0·09	0	0·09	0·16	− 0·07	0·09	Karwar.
1		14	14	1				1	N 67° E	6·8				78	+ 6	·729	+·088	2·6	+1·2	1	1·00	0	2·25	0·54	+ 1·71	2·25	2·20	+0·05	2·25	Cochin.
4		12	13				1		N 68° E	6·3			6·3	83	+ 6	·760	+·099	2·6	+1·2	2	0·30	+1·70	0·62	0·19	+ 0·43	0·62	1·16	− 0·54	0·41	Calicut.
7	1	6	17						N 76° E	5·2	3·9	+34		78	+ 7	·729	+·128	5·1	+3·5	0	0·10	−0·10	0	0·05	− 0·05	0	0·50	−0·50	0	Mangalore.
12		6	5			2	5	1	N 32° E	3·7				80	+ 3	·736	+·059	3·5	+0·6	2	1·30	+0·70	0·45	0·63	−0·18	0·45	2·87	−2·42	0·32	Trivandrum.

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

2 and 44 are derived are incomplete.

‡ Mean 28 days.

Table

Abstract of Observations taken at 8 h. at 234 Stations

sion.	Station.	Elevation of bar. cistern above sea-level, in feet.	Pressure, 8 h. in inches.								Temperature of air.											
			Mean 8 h. pressure reduced to 32°.	Departure from normal.	Mean 8 h. pressure reduced to sea-level and to constant gravity at 45° Lat. (see note 3).	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 h. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	XI.—South India.			—·010								86·4	+1·9	68·0	+3·7	77·2	+2·8	18·4					28·5
57	Pamban	37	29·983	—·004	29·947	30·066	20th	29·875	16th	·191	78·2	84·5	+2·6	74·7	-0·1	79·6	+1·3	9·8	86·8	26th & 31st.	72·7	5th	14·1
	Tinnevelly	168	29·869	—·002	29·969	29·939	20th	29·763	16th	·176	78·0	90·4	+2·7	73·5	+1·9	82·0	+2·3	16·9	93·2	4 days	67·9	2nd	25·3
	Madura	447	29·590	+·006	29·981	29·660	20th	29·482	16th	·178	76·2	89·6	+2·1	71·1	+2·5	80·4	+2·3	18·5	91·4	6 days	66 1	1st	25·3
	Periyakulam	944	29·077		29·982	29·193	20th	28·980	16th	·163	72·4	89·1		66·9		77·3		22·2	92·7	17th	59·3	1st	33·4
4	Salem	940	29·107	—·019	36·006	29·166	20th	29·031	16th	·135	74·6	90·3	+2·0	67·8	+4·1	79·1	+3·1	22·5	93·2	31st	61·3	1st	31·9
	Coimbatore	1,348	28·673	—·010	29·995	28·744	20th	28·612	16th	·132	71·7	89·3	+2·5	67·4	+3·5	78·4	+3·0	21·9	92·4	24th & 30th.	49·8	4th	32·6
5	Mercara	3,781	26·310	+·017	26·243	26·382	20th	26·258	16th	·124	62·5	78·4	+0·7	58·7	+2·1	68·6	+1·4	19·7	82·5	30th & 31st.	54·6	1st, 8th & 9th.	27·9
6	Chitaldroog	2,305	27·616	—·003	29·986	27·676	20th	27·569	22nd	·107	71·0	86·1	+2·3	65·0	+3·9	75·6	+3·1	21·1	90·1	29th	57·9	15th	32·2
	Bangalore	3,021	27·029	—·009	30·017	27·099	20th	26·979	16th	·120	65·8	83·7	+3·5	60·6	+3·8	72·2	+3·7	23·1	88·8	22nd	53·9	1st	34·9
	Hassan	3,091	26·768	+·009	30·021	27·038	20th	26·918	22nd	·120	66·3	85·2	+3·6	58·8	+4·7	72·0	+4·2	26·4	88·4	21st	49·0	11th	39·4
	Mysore	2,518	27·519	—·003	30·006	27·585	20th	27·472	16th	·113	69·6	85·9	+1·9	63·8	+4·5	74·9	+3·2	22·1	90·0	30th & 31st.	56·9	11th	33·1
6	Negapatam	31	29·982	—·020	29·943	30·054	20th	29·859	16th	·195	76·2	85·1	+3·3	73·5	+2·7	79·3	+3·0	11·6	88·9	27th	69·0	1st	19·9
	Cuddalore	37	29·996	—·011	29·963	30·065	20th	29·891	16th	·174	75·0	84·5	+1·2	70·3	+3·0	77·4	+2·1	14·2	87·1	11th	65·7	1st	21·4
	Trichinopoly	255	29·783	—·005	29·977	29·854	20th	29·697	16th	·157	75·5	88·4	+1·0	69·7	+2·5	79·1	+1·8	18·7	93·0	11th	64·4	1st	28·6
	Pudukkottai	318	29·718		29·974	29·796	20th	29·625	16th	·171	75·0	87·8							90·9	11th, 26th & 30th.			
	Madras	22	30·016	—·025	29·969	30·081	20th	29·933	16th	·148	74·5	83·9	—0·8	69·6	+2·2	76·8	+0·7	14·3	87·0	11th	65·0	1st	22·0
	Vellore	707	29·330		29·998	29·391	20th	29·256	16th	·135	71·6			66·7							60·2	1st	
6	Nellore	52	29·980	—·016	29·976	30·047	5th	29·908	22nd	·139	73·5	85·5	—0·5	69·0	+2·7	77·3	+1·1	16·5	88·3	10th	65·1	15th	23·2
	Masulipatam	15	30·051P	—·006P	30·001P	30·112	5th	29·967	22nd	·145	74·4	85·6	+2·1	68·8	+3·5	77·2	+2·8	16·8	89·5	31st	63·2	15th	26·3
	Cuddapah	433	29·599	—·019	29·978	29·662	5th	29·514	22nd	·148	74·1	89·7	+1·3	68·7	+4·3	79·2	+2·8	21·0	93·7	1st	62·9	5th	30·8
	Kurnool	923	29·094	—·024	29·987	29·151	5th	29·030	22nd	·121	70·9	89·9	+1·2	65·0	+6·3	77·5	+3·8	24·9	93·2	21st & 24th.	50·9	11th	42·3
	Bellary	1,475	28·529	—·026	29·985	28·588	19th	28·472	22nd	·116	70·5	90·0	+2·4	66·2	+5·8	78·2	+4·1	23·7	94·0	1st & 23rd.	58·1	15th	35·9
2	Cocanada	26	30·035	—·014	29·998	30·098	5th	29·959	22nd	·134	73·8	83·3	+2·3	69·4	+4·1	76·4	+3·2	13·9	89·6	22nd	62·5	14th	27·1
	Waltair (Vizag.)	*226*	29·842	—·009	30·014	29·911	5th	29·760I	22nd	·151	74·7	81·5	P	70·6	P	76·1	P	16·9	83·3	21st	65·9	14th	17·4
	Gopalpur	72	30·002	+·004	30·017	30·075	14th	29·890	22nd	·185	70·3	80·1	—0·2	65·9	+4·7	73·0	+2·3	14·2	84·2	31st	54·0	14th	30·2
	XII.—Hill Stations.																						
3	Pishin											50·5		25·3		37·9		25·2	64·3	18th	16·0	12th	48·3
	Quetta	5,502	24·712	+·025	24·672	24·853	15th	24·596	31st	·257	29·4	49·9	—1·4	26·3	—3·0	38·1	—2·2	23·6	66·8	18th	19·2	12th	47·5
	Kalat										34·3	51·3	—1·1	18·1	—2·2	34·7	—1·7	33·2	65·9	18th	8·3	12th	57·6
	Chaman	4,311	25·814	+·042	25·776	25·962	15th	25·635	22nd	·327	36·9	52·3	—1·1	32·5	—2·2	42·4	—1·7	19·8	68·3	18th	25·1	8th & 12th.	43·2
0	Leh	11,503	19·641	—·020	19·609	19·904	16th	19·303	8th	·596	6·1	24·4	—5·4	3·2	—5·6	13·8	—5·5	21·2	32·0	21st	—6·1	2nd & 3rd.	38·1
	Srinagar	5,204	25·048	+·046	25·014	25·231	17th	24·654	8th	·577	25·6	33·3	—5·7	23·7	—2·7	28·5	—4·2	9·6	41·4	30th	13·1	15th	28·3
	Sonemarg	*8,764*	21·774		21·742	21·923	17th	21·396	8th	·527	15·0	30·5		8·4		19·5		22·1	41·3	19th	—2·9	13th	44·2
	Astor (Kashmir)	7,955	22·614		22·584	22·889	16th	22·241	8th	·648	17·0	38·2		13·4		23·3		19·8	45·0	21st	3·0	1st, 2nd & 3rd.	43·0
	Minimarg	9,359	21·342		21·312	21·569	15th	21·008	8th	·561	10·6	29·6		5·4		17 5		24·2	53·4	18th	—3·0	29th	56·4
	Skardu	*7,505*	23·000		22·970	23·312	16th	22·617	8th	·695	13·2	31·0		9·5		20·3		21·5	37·9	23rd	1·6	2nd	36·3
	Dras	*10,059*	20·788		20·756	20·974	5th	20·408	7th	·566	—10·6	13·0		—17·2		—2·1		30·2	27·3	8th	—36·9	2nd	64·2
	Gilgit	4,890	25·323		25·296	25·632	16th	24·928	7th	·704	33·7	43·7	—1·5	30·8	—0·8	37·3	—1·1	12·9	50·6	21st	25·1	5th	25·5
2	Chitral	*5,486*									31·1	45·7		27·8		36·7		17·9	55·9	19th	23·0	28th	32·9
	Kilia Drosh	4,700 P									31·6	44·4		26·2		35·3		18·2	64·3	18th	10·1	16th	54·2
	Para Chinar	6,000	24·494		24·461	24·627	15th	24·219	8th	·408	34·5	50·2		27·5		38·8		22·7	63·4	19th	17·0	12th	46·4

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

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

Note 2.—The data from which divisional means of the figure columns Nos. 40, 42 and 44 are

Note 3.—The barometric readings are not reduced to sea-level in the cases of hill or plateau

1—*continued.*

in India, Burma, etc., in January, 1906—continued.

Wind Direction. Number of winds from									Wind Velocity.				Hygrometry, 8 h.				Cloud.		Rainfall.									Heaviest rainfall during month.	Station.
Calm.	N.	N. E.	E.	S. E.	S.	S. W.	W.	N. W.	Resultant direction.	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 h.	Departure from normal.	Mean vapour tension at 8 h.	Departure from normal.	Mean cloud amount at 8 h.	Departure from normal.	Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st Dec. 1905 to 31st Jan. 1906.	Normal rainfall for period, 1st Dec. to 31st January.	Departure from normal of period, 1st Dec. 1905 to 31st Jan. 1906.		
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
														79	+3	·656	+·068	4·7	+2·3				1·53	·037	+1·13					XI.—South India.
7	6	12	2					4	N 24° E	9·4			10·0	83		·800		3·4		2	2·20	−0·20	2·12	1·33	+ 0·79	6·30	11·64	− 5·34	1·05	Pamban.
4	14	6	3					5	N 7° E	4·7			4·4	76	− 2	·729	+·031	4·6	+2·1	3	1·50	+1·50	1·16	1·02	+ 0·14	1·27	4·77	− 3·50	0·52	Tinnevelly.
	7	14	2	1	1			6	N 23° E	5·7	5·4	+ 6	6·6	81	+ 7	·738	+·106	4·0	+1·2	1	0·80	+0·20	0·19	0·24	− 0·05	0·19	2·11	− 1·92	0·18	Madura.
22	2	1		1	2		2	1	N 45° W	1·8			2·0	78		·621		3·7		1	0·90	+0·10	1·95	0·63	+ 1·32	2·01	2·19	− 0·18	1·95	Periyakulam.
2	1	8	16				1	1	N 65° E	4·7	5·0	− 6	4·1	85	+10	·740	+·155	5·1	+2·7	2	0·30	+1·70	0 97	0·23	+ 0·74	0·97	1·49	− 0·52	0·51	Salem.
	7	11	10	1			1	1	N 49° E	4·7	3·1		4·3	82	− 2?	·651	+·033	4·7	+2·2	1	0·50	+0·50	0·12	0·16	− 0·04	0·12	1·29	− 1·17	0·12	Coimbatore.
2	5	7	11			1		5	N 42° E	3·8	4·3	−12	3·5	86	+11	·499	+·081	4·7	+1·6	3	0·20	+2·80	2·60	0·02	+ 2·58	2·60	0·53	+ 2·07	1·18	Mercara.
5	1	1	7	5	1	3	3	5	S 61° E	5·6			4·9	67	+ 9	·507	+·085?	4·0	+2·5	1	0·30	+0·70	1·24	0·01	+ 1·23	1·24	0·10	+ 1·14	1·20	Chitaldroog.
		6	13	8	2	1	1		S 79° E	8·2	3·8	+116	7·3	82	+ 4	·531	+·073	5·1	+2·1	0	0·10	−0·10	0·11	0·14	− 0·03	0·23	0·62	− 0·39	0·07	Bangalore.
11	1	6	6	3	2	1	1		N 88° E	2·2			2·0	79	+ 7	·513	+·053	5·1	+2·4	0	0·10	−0·10	0·03	0	+ 0·03	0·03	0·18	− 0·15	0·03	Hassan.
2	1	9	4	5	5	1	2	2	S 86° E	6·5			7·0	76	+ 3	·552	+·068	6·4	+3·9	1	0·10	+0·90	0·51	0	+ 0·51	0·51	0·17	+ 0·34	0·50	Mysore.
3	2	7	2	1			1	15	N 13° W		5·4			82	0	·756	+·042	5·1	−0·4	4	1·90	+2·10	1·74	1·37	+ 0·37	2·37	14·16	−11·79	0·82	Negapatam.
5	3	1	1				5	16	N 44° W	5·5			6·8	86	−2	·751	+·041	4·3	+0·1	2	1·20	+0·80	2·86	0·80	+ 2·06	2·86	8·99	− 6·13	2·33	Cuddalore.
18	5	4					2	2	N 4° W	2·7	4·7	−43		82	+ 5	·725	+·093	4·7	+1·7	3	0·60	+2·40	1·43	0·27	+ 1·16	1·48	3·03	− 1·55	1·15	Trichinopoly.
1	17	9		1			3		N 11° E	6·3			6·0	83		·722		5·5		3			1·97			1·97			1·37	Pudukkottai.
4	3	2	1		1	7	6	7	N 76° W	5·3	6·1	−13		89	+ 7	·770	+·081	4·6	+1·2	3	2·10	+0·90	4·05	0·52	+ 3·53	4·45	6·54	− 2·09	1·58	Madras.
21	1	1	2	1		3	1	1	S 45° W	3·0			3·0	85		·664		4·2		3	0·70	+2·30	5·29	0·49	+ 4·80	5·42	3·37	+ 2·05	2·35	Vellore.
7	6		3	6		2		7	N 10° E	4·4				88	+ 2	·731	+·056	6·2	+2·5	4	0·50	+3·50	6·96	0·55	+ 6·41	7·03	2·19	+ 4·84	3·71	Nellore.
23	3	2	1	2					N 51° E	6·2	5·2	+19	5·5	80	− 6	·685	+·042	4·6	+2·8	0	0·30	−0·30	0	0·07	− 0·07	0	0·85	− 0·85	0	Masulipatam.
	1	11	6	11		2			S 89° E					77	+ 2	·657	+·076	4·5	+3·0	2	0·20	+1·80	2·45	0·16	+ 2·29	2·45	1·30	+ 1·15	2·04	Cuddapah.
18		2	3	2	3	2		1	S 45° E	4·2				75	+ 7	·583	+·121	4·0	+2·8	3	0·20	+2·80	0·70	0·07	+ 0·63	0·70	0·19	+ 0·51	0·45	Kurnool.
4	2		3	6	6	2	3	5	S 7° W	3·9	3·3	+18	3·4	62	− 4	·468	+·013	4·3	+2·7	2	0·10	+1·90	0·55	0·09	+ 0·46	0·55	0·20	+ 0·35	0·28	Bellary.
11	5	8		1			2	4	N 6° E	8·1			6·8	81	+ 8	·676	?	5·4	+3·7	0	0·40	−0·40	0	0·11	− 0·11	0	0·91	− 0·91	0	Cocanada.
3	2	12	2			2	10		N 6° W	8·5				69	+ 3	·601	+·049	6·5	+5·1	1	0·60	+0·40	0·12	0·16	− 0·04	0·12	1·96	− 1·84	0·12	Waltair (Vizag.)
1	10		1		1	4	2	12	N 40° W	11·2	6·5	+72	11·0	77	0	·583	+·084	2·8	+1·4	0	0·40	−0·40	0·08	0·12	− 0·04	0·08	0·87	− 0·79	0·03	Gopalpur.
																														XII.—Hill Stations.
																				1	4·30	−3·30	0·59	2·16	− 1·57	5·74	3·36	+ 2·38	0·50	Pishin.
28				1	1			1	S	0·5	3·8	−87	0·5	92	+13	·152	+·004	3·8	+0·1	1	4·80	−3·80	0·65	2·03	− 1·38	4·25	2·84	+ 1·41	0·42	Quetta.
	6		1		22		2		S 4° W					65		·130				1	3·70	−2·70	0·48	0·79	− 0·31	3·85	1·44	+ 2·41	0·40	Kalat.
9	10	4	3		1		2	2	N 10° E	6·4			7·0	75	+ 7	·161	−·004	1·9	−2·5	2	3·40	−1·40	0·86	1·30	− 0·44	5·80	2·22	+ 3·58	0·76	Chaman.
26		1	1		1	2			S 11° E	1·7				62	+ 9	·037	+·001	6·8	+0·1	0	0·80	−0·80	0·16	0·31	− 0·15	0·40	0·50	− 0·10	0·05	Leh.
9	1	1	1	6	6	3	1	3	S 5° E	2·8			2·6	90	− 1	·125	−·024	9·3	+1·4	4	6·40	− 2·40	2·28	3·49	− 1·21	5·37	4·40	+ 0·97	1·40	Srinagar.
19	5		3	1			1	2	N 12° E	2·9			2·6	90		·081		5·7		9			6·87			21·33			1·40	Sonemarg.
17	2				6	6			S 27° W	3·1			2·8	74		·073		6·6		2			0·63			1·96			0·24	Astor (Kashmir)
10		1	10	6	2		2		S 67° E	8·2			8·7	71		·056		5·9		7			2·08			8·31			0·48	Minimarg.
30						1			W	1·0			1·0	94		·076		6·6		2	3·00	−1·00	0·41	1·71	− 1·30	1·65	2·42	− 0·77	0·15	Skardu.
31									Calm	0			0	60		·025		4·8		5	8·70	−3·70	1·14	3·98	− 2·84	5·06	6·17	− 1·11	0·19	Drus.
16				1	4	7	3		S 81° W	4·7			4·2	45	−22	·086	−·057	7·7	+0·8	0	0·30	−0·30	0	0·21	− 0·21	0·20	0·30	− 0·10	0	Gilgit.
16			8		7				S 49° E	3·9			3·4					1·5		0			0			2·77			0	Chitral.
17			9	1		1	2	1	S 81° E					88		·159		3·3		0			0			0·85			0	Kilik Drosh.
28					1		1	1	S 80° W	3·4			3·1	78		·154		3·0		1	1·00	0	0·22	0·63	− 0·41	3·29	1·42	+ 1·87	0·18	Para Chinar.

† he data for that station are not utilized in calculating the provincial departures from normal.
derived are incomplete.
stations, the elevations of which exceed 5,200 feet.

Table

Abstract of Observations taken at 8 h. at 234 Stations

(Number of rainfall division.)	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 h., in inches.								Temperature of air.											
			Mean 8 h. pressure reduced to 32°.	Departure from normal.	Mean 8 h. pressure reduced to sea-level and to constant gravity at 45° Lat. (See note 3.)	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 h. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
32	Cherat	*4,256*	25·783	+·014	25·748	25·908	29th	25·485	8th	·423	41·2	48·8	−0·4	38·1	+0·2	43·4	−0·1	10·7	60·3	20th	26·0	9th	34·3
29	Murree	6,333	23·865	+·001	23·833	23·979	16th	23·574	8th	·405	37·7	43·8	−3·4	30·8	−4·4	37·3	−3·9	13·0	60·0	18th	21·0	9th	39·0
	Kailang	*10,087*	21·012		20·967	21·061	5th	20·972	23rd & 25th	·089	12·6	27·7	−6·6	9·3	−5·2	18·5	−5·9	18·4	36·3	19th.	11·0	9th.	35·3
	Poo											35·7		22·8		29·3		12·9	48·8	19th	15·1	3rd	33·7
	Simla	7,224	23·102	−·010	23·064	23·211	14th	22·821	8th	·390	37·8	44·4	−0·1	33·9	−0·6	39·2	−0·4	10·5	54·5	20th	22·7	9th	31·8
	Sarain		23 166			23·251	14th	22·888	8th	·363	29·9	43·3		25·2		34·3		18·1	57·8	17th	14·5	9th	43·3
	Chakrata	7,022	23·291	−·008	23·251	23·365	29th	23·043	8th	·322	37·9	49·1	−1·5	34·6	−1·6	41·9	−1·6	14·5	63·3	17th	26·0	10th	37·3
25	Ranikhet	6,069	24·122	−·011	24·081	24·188	14th	23·926	8th	·262	41·2	51·1	−3·4	37·7	−2·3	44·4	−2·9	13·4	63·7	17th	26·0	9th	37·7
	Muktesar	7,600	22·812		22·770	22·891	14th	22·624	8th	·267	38·5	46·1		24·0		40·1		12·1	59·5	18th	20·9	9th	38·6
13	Yatung	10,480										41·8		21·6		31·7		20·2	49·1	29th & 30th.	15·1	3rd	34·0
	Darjeeling	7,376	23·026	+·007	22·981	23·130	28th	22·820	30th	·310	38·0	46·5	−0·3	33·1	−1·7	39·9	−1·0	13·4	51·2	28th & 29th.	28·0	2nd	23·2
8	Shillong	4,920	25·226		25·178	25·314	28th	25·090	30th	·224	44·5	59·3		37·6		48·5		21·7	66·0	30th	31·0	4th	35·0
	Cherra Poonjee	4,309	25·768		25·719	25·851	28th	25·658	30th	·193	50·7	58·9		45·0		52·0		13·9	64·2	29th	41·0	4th & 31st	23·2
50	Mount Abu	3,945	26·130	−·008	26·080	26·232	15th	26·002	8th	·230	55·3	62·9	−3·7	48·7	−2·5	55·8	−3·1	14·2	71·1	18th, 19th & 20th.	41·1	2nd	30·0
42	Pachmarhi	3,528	26·552	−·005	26·499	26·631	5th	26·452	22nd	·179	53·8	71·1	−0·2	43·2	−4·3	57·2	−2·3	27·9	80·1	21st	33·3	15th	46·8
34	Wellington	6,200	24·314	+·012	24·247	24·389	20th	24·261	8th	·128	57·0	69·9	+2·3	48·3	+3·1	59·1	+2·7	21·6	74·7	30th	39·7	2nd	35·0
	Ootacamund	*7,322*	23·057		22 993	23·137	20th	23·011	8th	·126	53·0	65·0		43·9		54·5		21·1	70·5	2nd	35·6	4th	34·9
57	Kodaikanal	7,688	22·877		22·812	22·943	20th	22·824	8th	·119	54·6	65·0		48·1		54·4		16·9	73·3	2nd	41·9	13th	31·4
	XIII.—Extra India.																						
	Trincomalee	12	29·989	+·003	29·927	30·046	20th	29·880	16th	·166	76·7	84·2	+0·9	74·2	−0·4	79·2	+0·3	10·0	87·0	30th	68·0	9th	19·0
	Colombo	40	29·951	+·001	29·917	30·011	20th	29·888	16th	·123	77·1	87·4	−0·1	73·4	+1·3	80·4	+0·6	14·0	88·5	8th & 21st.	69·0	3rd	20·5
	Meshed	3,104	27·804 (c)			28·050	3 days	27·350	30th	·700	32·6	45·0		26·8	+4·6	36·0		18·2	60·3	18th	16·0	28th & 29th	44·3
	Teheran	*4,002*																					40·1
	Ispahan (b)	*5,817*	24·280			24·470	20th	23·960	30th	·510	30·5	46·9	+0·4	25·7	+2·6	36·3	+1·5	21·2	58·3	6th	18·2	1st	31·3
	Bushire	14	30·121	−·013	30·094	30·234	10th	29·766	29th	·468	53·6	63·2	−0·9	50·2	−1·5	56·7	−1·2	13·0	70·2	5th & 6th.	38·9	29th	23·8
	Bahrein	18	30·172		30·144	30·297	24th	29·868	29th	·429	60·9	65·3		56·2		60·8		9·1	74·8	6th	51·9	14th	24·0
	Jask	13	30·134	+·007	30·104	30·286	14th	29·883	30th	·403	65·2	74·4	+0·6	61·7	+1·4	68·1	+1·0	12·7	80·3	7th	56·3	26th & 28th.	21·3
	Muscat	20	30·129	+·008	30·097	30·228	5th	29·899	30th	·329	70·0	78·1	+5·9	67·5	+0·3	72·8	+3·1	10·6	85·4	10th	64·1	26th	37·6
	Baghdad (c)	220	30·034	+·008	30·248	30·253	9th	29·556	29th	·697	40·9	59·3	−0·8	35·6	−2·6	47·5	−1·7	23·7	66·2	3rd	28·5	19th	32·9
	Busrah	25	30·180			30·330	18th	29·850	29th	480		57·6		44·5		51·1		13·1	70·4	10th	37·5	3rd	13·4
	Aden	94	30·008	+·026	30·036	30·094	10th	29·860	30th	·234	75·8	80·9	+0·3	73·6	+0·8	77·3	+0·6	7·3	83·3	10th & 11th.	69·9	11th & 12th.	12·5
	Perim	201	29·871	+·041	30·009	29·943	11th	29·814	23rd	·129	77·5	84·2	+1·4	71·7*	+1·2	79·5*	+1·3	9·5	85·1	7th	72·6	5th	45·3
	Kabul		24·344 (c)		24·313	23·480	29th	23·173	8th	·307	19·9	40·2	−4·8	15·1	−2·8	27·7	−3·8	25·1	50·2	24th	4·9	12th	45·1
	Kashgar	4,255	25·731			25·920	12th	25·330	6th	·590	14·4	33·0	+0·6	9·8	−2·6	21·4	−1·0	23·2	48·4	30th & 31st.	3·3	12th & 13th	20·0
	Amini Divi	13									81·7	86·4	+2·2	76·3	+2·4	81·3	+2·3	10·1	90·2	20th	70·2	4th	
	Minicoy	7	30·013		29·945	30·070	20th	29·964	16th	·106	81·8	85·6	−0·2						87·0	27th			17·3
	Zanzibar	72	29·914	+·003	29·913	29·987	11th	29·868	22nd	·119	81·5	86·0	−0·1	78·9	−0·7	82·5	−0·4	7·1	89·5	29th	72·2	4th	20·6
	Do. Dunga	*154*	29·879		29·961	29·943	11th	29·830	30th	113	79·3	89·3		74·0		81·7		15·3	92·6	30th	72·0	3rd	19·0
	Penang (a)	20	29·930		29·875	29·957	5th	29·901	10th	·056	80·5	88·8		74·0		81·4		14·8	91·0	7 days	72·0	5th & 10th.	18·8
	Singapore (a)	10	27·978		29·909	30·036	21st	29·944	1st	·092	81·7	87·4		74·0		80·7		13·4	90·6	31st	71·8	3rd	

(a) 9 hours' observations.
(b) Aneroid uncorrected.
(c) Aneroid corrected.

* Mean of 30 days.

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

N.B.—Elevations in italics indicate barometrical determinations.
(c) −7 hours' observation

:oncluded.

ndia, Burma, etc., in January, 1906—concluded.

Wind Direction. Number of winds from								Wind Velocity.				Hygrometry, 8 h.				Cloud.		Rainfall.								Heaviest rainfall during month.	Station
N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultantdirection	Mean daily velocity in miles per hour, instrumental errorsuncorrected.	Normal (uncorrected).	Percentage departure from normal.	Mean velocity corrected (where possible).	Mean humidity at 8 h.	Departure from normal.	Mean vapour tension at 8 h.	Departure from normal.	Mean cloud amount at 8 h.	Departure from normal.	Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st Dec. 1905 to 31st January 1906.	Normal rainfall form period, 1st Dec. to 31st January.	Departure from normal of period, 1st Dec. 1905 to 31st January 1906.		
27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
						5	N 8° W	16·8			16·3	72	+12	·182	+·031	3·7	−1·1	0			0	2·07	− 2·07	5·86	3·07	+ 2·79	0	Cherat.
	7	2	8				S 45° E	5·5	8·1	−32	5·9	62	0	·137	+·001	3·2	−2·1	9	2·80	+6·20	6·40	3·67	+ 2·73	12·98	4·81	+ 8·17	2·23	Murree.
4	10	5		7	2		S 72° E	0·2*				65*		·055*		2·9						2·92			4·00			Kailang.
1		1			1	2	N 45° W									5·2		2			0·51	3·20	− 2·69	1·94	4·25	− 2·31	0·20	Poo.
		3	11	1			S 12° E	5·5	2·0	+175	5·3	54	+ 1	·114	−·008	3·8	−0·9	3	3·60	−0·60	1·94	2·71	− 0·77	3·80	3·94	− 0·14	1·06	Simla.
	1		9	3			S 5° W	2·4			2·3	82		·133		3·9		8			4·97			6·93			2·20	Sarain.
			1			1	N 3° W	4·3	4·8	−10	5·2	60	+ 2	·129	−·002	3·0	−1·1	4	5·00	−1·00	2·83	3·73	− 0·90	5·06	4·89	+ 0·17	0·79	Chakrata.
2				2	1		W	1·5	1·4	+ 7	1·7	57	− 6	·144	−·032	2·7	−0·8	3	4·30	−1·30	1·25	2·79	− 1·54	2·45	3·50	− 1·05	0·72	Ranikhet.
3	4	7	2	3	10	1	S 18° W	8·9			8·3	59		·129		3·7		4			1·76			2·80			0·88	Muktesar.
																		1	2·50	−1·50	0·39	0·89	− 0·50	1·23	1·07	+ 0·16	0·20	Yatung.
5	3	6	1	4	3		S 45° E	4·2	2·6	+62	3·9	76	− 6	·175	−·015	3·3	−0·9	0	1·71	−1·71	0	0·71	− 0·71	1·27	0·94	+ 0·33	0	Darjeeling.
				2			S 45° W	0·8			1·0	73		·220		1·5		1	1·50	−0·50	0·26	0·53	− 0·27	0·26	0·81	− 0·55	0·18	Shillong.
7				2	6		N 30° W	3·5			3·1	71		·268		2·5		2	1·70	+0·30	0·46	0·83	− 0·37	1·60	1·04	+ 0·56	0·26	Cherra Poonjee.
9			2	3	3		N 7° E	5·4	4·8	+13	5·5	23	−21	·097	−·108	0·9	−0·8	0	0·70	−0·70	0	0·33	− 0·33	0·04	0·54	− 0·50	0	Mount Abu.
2	4	2	1	5	4	2	S 37° W	4·1	3·1	+32	4·2	52	− 6	·223	−·065	1·0	−0·9	0	1·50	−1·50	0·02	0·65	− 0·63	0·02	1·12	− 1·10	0·02	Pachmarhi.
2	1						N 59° W	2·1	2·4	−13		76	+12	·351	+·076	4·1	+2·3	4	1·70	+2·30	6·22	0·83	+ 5·39	6·22	4·74	+ 1·48	3·35	Wellington.
3	6	4	1	1			S 79° E	4·0			3·8	50		·204		3·3		3	0·60	+2·40	3·77	0·35	+ 3·42	3·77	2·00	+ 1·77	2·47	Ootacamund.
4	7	5		1		5	N 72° E	12·9				64		·261		3·2		4	1·40	+2·60	4·10	1·17	+ 2·93	4·12	6·74	− 2·62	2·83	Kodaikanal.
																												XIII.—Extra India.
2				2			N	1·2				88	+ 9	·821	+·044	3·3	−0·7	6			2·28	5·38	− 3·10	8·40	24·28	−12·88	0·76	Trincomalee.
11	5	3				1	N 39° E	8·4	8·4	0		84	+10	·792	+·023	3·7	+0·1	5			6·29	3·20	+ 3·09	6·80	9·89	−3·19	2·08	Colombo.
												82		·155		3·6		3			1·03 (d)	0·41	+ 0·62	2·03	1·11	+0·92	0·35 (d)	Meshed.
																												Tehran.
	2				1		E	1·7			2·2	75*		·133*		3·8		3			1·66	0·26	+ 1·40	2·11	0·80	+1·31	1·00	Ispahan
7	6	3	1			4	N 39° E	8·8			9·7	88	+10	·360	+·011	5·2	+1·9	6			3·66	3·12	+ 0·54	5·01	6·36	−1·35	1·89	Bushire.
		2	2		13	14	N 72° W	14·8			12·7	78		·420		2·1		1			0·32			1·07			0·32	Bahrein.
16	1	1				6	N 27° E	10·5			9·0	77	+ 4	·469	+·023	4·3	+2·4	3			1·25	0·87	+0·38	4·62	1·65	+2·97	0·65	Jask.
		1			2	12	N 51° W	4·4			4·6	64	− 4	·478	−·008	4·0	+1·5	2			0·60	1·28	−0·68	0·69	1·54	−0·85	0·37	Muscat.
	1		1	1	3	5	N 45° W	2·4			3·1	77		·200		3·2		4			0·89	1·38	− 0·49	1·12	3·02	−1·90	0·42	Baghdad.
	1		7			1	N 3° E											4			2·68			3·01			1·38	Busrah.
12	10	1		2			N 65° E	8·8*	12·0	−27	7·1	79	+ 4	·696	+·044	3·9	−2·5	0			0	0·32	−0·32	0·03	0·69	−0·66	0	Aden.
	24	6				1	S 82° E	19·0			19·2	73		·689		3·4		2			0·30	0·34	− 0·04	0·31	0·42	−0·11	0·15	Perim.
15	11	1					N 58° E					85		·096		2·6		1			0·15	1·24	−1·09	1·99	1·53	+0·46	0·15	Kabul.
1	1	1		1		2	N 15° E	1·5			1·3					4·7		0			0·03 (d)	0·27	−0·24	0·03	0·46	−0·43	0·03 (d)	Kashgar.
7						3	N 8° E					74		·799		4·5		0			0·01	0·19	−0·18	0·01	0·51	−0·50	0·01	Amini Divi.
3	1		1	1		2	N 2° E	5·7			6·1	74	− 5	·801	+·008	2·7	−0·5	2			0·70	2·09	−1·39	0·70	6·75	−6·05	0·40	Minicoy.
11	5	1				1	N 32° E	6·2			5·8	84		·906		6·2		7			6·71	3·37	+3·34	12·27	6·14	+6·13	2·02	Zanzibar.
6	1						N 45° E	5·5			5·4	85		·847		6·8		12			4·76			12·31			0·92	Do. Dunga.
7		1	1			6	N 16° E	10·5								1·9		15			7·57			12·57			1·78	Penang.
29							N 42° E	4·1								4·9		14			16·16			27·20			3·05	Singapore.

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

(d) Snow water.

TABLE II.—Abstract of Observations recorded at 10 h. and 16 h. at 63 Stations in India, Burma, etc., in January, 1906.

Tabl

Abstract of Observations recorded at 10 h. and 16 h

Meteorological Province.	Station.	Elevation of bar-cistern above sea-level in feet.	Pressure.						Temperature of Air.										Temperature, Wet-bulb.			
			Mean of 10 h.	Mean of 16 h.	Mean daily range.	Mean of daily mean pressures.	Departure from normal.	Mean reduced to sea-level and gravity, 45° Lat.	Mean maximum.	Mean minimum.	Mean daily range.	Highest maximum.	Lowest minimum.	Absolute range.	Mean 10 h.	Mean 16 h.	Mean of daily means.	Departure from normal.	Mean minimum.	Mean 10 h.	Mean 16 h.	Mean of three pre-
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Burma Coast and Bay Islands.	Port Blair	61	29·951	29·852	·099	29·903	+·005	29·894	86·0	77·1†	8·9	89·0	73·9	15·1	82·6	81·6	80·7†	+0·5	74·5	78·1	78·8	77
	Rangoon	57	·978	·850	·128	·913	—·014	·907‡	91·7	69·4	22·3	94·8	62·8	32·0	81·0‡	90·0	78·5	+3·8	65·6	70·2‡	72·1	69
	Diamond Island	41	·998	·884	·114	·942	—·012	·918	83·3	73·4	9·9	86·6	70·0	16·6	79·3	80·9	77·5	+0·9	67·8	72·3	72·7	70
	Cocos Island	119	·907	·800	·107	·855		·907	82·8	76·1	6·7	85·2	73·7	11·5	80·3	80·3	78·7		70·7	74·0	74·0	72
	Akyab	20	30 056	·937	·119	·989	—·004	·953	78·8	59·5	19·3	82·9	54·1	28·8	69·8	76·6	68·3	−1·2		64·9	67·1	
Bengal and Orissa.	Chittagong	87	·013	·889	·124	·946	+·006	·584	76·4	54·8	21·6	83·5	49·0	34·5	67·8	74·3	65·4	−1·2	52·3	62·2	63·6	59
	Calcutta (Alipore)	21	·095	·969	·126	30·022	+·004	·989	75·9	55·8	20·1	81·9	46·3	35·6	68·7	74·5	64·9	−0·3	54·3	60·6	62·4	58
	Saugor Island	25	·090	·967	·123	·018	+·012	·987	76·7	58·3	18·4	86·9	47·4	39·5	69·6	72·7	66·4	−0·3	52·8¶	64·3	64·9	60
	False Point	21	·092	·976	·116	·023	+·006	·986	78·5	60·0	18·5	83·4	47·1	36·3	74·3	75·3	68·1	+0·6	59·2	67·7	67·3	64
Gangetic Plain and Chota Nagpur.	Hazaribagh	2,007	28·029	27·931	·098	27·971	−·003	·987	70·7	50·4	20·3	79·5	42·2	37·3	63·4	68·8	59·7	−1·2	46·4	52·3	54·3	51
	Allahabad	309	29·798	29·670	·128	29·721	—·005	·997	75·3	45·6	29·7	83·5	36·6	46·9	63·6	74·0	58·8	—0·7	43·3	52·0	56·2	50
Upper Sub-Himalayan.	Dehra Dun	2,233	27·804	27·710	·094	27·746	+·006	30·028	66·6	42·5	24·1	75·5	36·0	39·5	56·1	63·6	53·7	−0·9	39·8	48·0	50·9	46
	Roorkee	899	29·172	29·065	·107	29·108	+·005	·017‡	68·8	39·9	28·9	76·6	32·3	44·3	56·3‡	66·6‡	52·7	−2·6	38·5	48·7‡	52·7‡	46
	Lahore	702	·386	·306	·080	·337	+·011	·050	67·8	39·6	28·2	74·3	33·1	41·2	54·4	65·5	51·8	−1·2	38·0	48·8	54·4	47
	Ludhiana	812	·234	·177	·057	·197	−·009	·027	65·7	40·9	24·8	72·1	35·0	37·1	53·7	63·5	51·5	−2·5	39·4	48·2	50·1	41
Indus Valley and N. W. Rajputana.	Peshawar	1,110	·013	28·924	·089	28·960	+·011	·119	62·6	37·5	25·1	71·2	30·1	41·1	52·8	60·5	48·2	−1·5	34·4	44·9	47·7	43
	Jacobabad	186	·971	29·870	·101	29·913	+·035	·069	73·9	40·9	33·0	81·8	33·0	42·8	65·5	69·6	56·2	−1·1	36·5	52·4	54·3	4
	Kurrachee	30	30·141	30·016	·125	30 070	+·038	·052	77·2	52·7	24·5	82·9	46·0	36·9	68·9	75·3	64·5	−0·8	45·7	56·2	60·7	5
E. Rajputana, Central India and Gujrat.	Jaipur	1,431	28·658	28·553	·105	28·596	+·012	·034	74·1	44·8	29·3	83·2	34·7	48·5	64·0	72·2	58·1	−1·8	38·0	49·1	52·7	4
	Udaipur	1,925?	·144	·031	·113	·079		·007	74·7	43·7	31·0	85·9	37·6	48·3	64·6	73·0	59·0		38·8	51·1	56·2	4
	Deesa	466	29·635	29·517	·118	29·567	+·023	29·998	81·9	45·7	36·2	89·4	40·5	48·9	70·4	80·8	63·6	−3·5	37·9	52·0	56·5	4
	Jamnagar	61	30·074	·944	·130	30·001		30·007	78·6	50·5	28·1	91·6	44·4	47·2	68·6	76·7	63·7		44·0	54·1	56·5	4
Deccan.	Belgaum	2,539	27·488	27·371	·117	27·426	+·005	29·887	83·4	58·8	24·6	88·5	50·9	37·6	75·2	81·0	70·4	+0·6	55·2	61·6	63·6	
	Sholapur	1,590	28·449	28·309	·140	28·376	—·011	·915	88·2	60·8	27·4	94·1	51·6	42·5	76·5	86·8	74·1	+1·4	51·4	60·7	64·9	
	Akola	930	29·122	·974	·149	29·041	−·013	·931	85·9	53·1§	32·8	93·9	40·5	53·4	73·1	84·6	68·8§	+0·3	46·6	57·9	62·2	
	Buldana	2,132	27·914	27·797	·117	27·848	—·032	·939	81·2	58·0	23·3	90·1	51·1	39·0	72·6	78·6	69·1	−0·2	47·0	55·3	58·4	
	Khandwa	1,044	29·024	28·879	·145	28·934	+·008	·965	82·9	49·0	33·9	93·0	38·4	54·6	69·7	81·6	65·5	−1·9	41·8	53·0	58·5	
	Nagpur (Sanitary Commr.'s Office)	1,013	·047	·905	·142	·968		·958	83·9	54·8	29·1	89·9	43·1	46·8	70·8	82·7	68·6		48·5	56·6	62·7	
	Hyderabad (Deccan).	1,690	28·352	·227	·125	·284	−·007	·932	84·5	63·4	21·1	88·3	53·8	34·5	75·6	81·1	73·1	+2·7	59·7	65·4	66·6	
West Coast.	Bombay	37	30·030	29·914	·116	29·965	+·010	·943	82·1	66·6	15·5	89·0	60·1	28·9	73·6	77·8	73·6	−0·9	61·0	65·4	68·6	
	Karwar	44	29·996	·887	·109	·939	+·017	·917	85·0	66·2	18·8	92·6	60·6	32·0	78·2	82·9	74·8	−0·6	63·8	69·9	72·9	

† Mean of 25 days. ‡ Mean of 30 days. § Mean of 29 days.

3 Stations in India, Burma, etc., for January, 1906.

Vapour Tension.				Humidity.				Cloud.				Wind direction.										Wind Steadiness.		Wind Velocity.		Rainfall.		Station.	Meteorological Province.
												Total number of 10 h. and 16 h. winds from																	
Mean 10 h.	Mean 16 h.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 h.	Mean 16 h.	Mean of daily means.	Departure from normal.	Mean 10 h.	Mean 16 h.	Mean of two previous columns.	Departure from normal.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Mean wind direction.	Normal mean wind direction of month.	Average percentage.	Normal percentage.	Mean velocity in miles per diem.	Normal.	Total rainfall for the month.	Heaviest rainfall during the month.		
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
																								%	%						
·905	·910	·900	+·093	89†	81	77	85	+ 6	4·3	4·7	4·5	+0·9		10	41	6					5	N 37° E	N 39° E	85	76	175*	156	1·44	0·54	Port Blair.	Burma Coast and Bay Islands.
·601‡	·553	·598	+·030	81	57‡	39	66	− 4	4·0	4·5	4·3	+2·3	3	22	10			4		3	20	N 15° W	N 27° E	66	36	44*	91	0	0	Rangoon.	
·706	·688	·683	+·028	73	70	66	73	0	3·1	3·1	3·1	+0·7	1	12	17	2				1	29	N 10° W	N 1° W	72	69	220*	190	0·01	0·01	Diamond Island	
·761	·758	·752	+·059	76	73	73	78	+ 4	3·4	3·3	3·4	+1·2		51	5						6	N 1° W	N 15° E	95	83	342		0	0	Cocos Island.	
·556	·544				75	59			0·9	0·8	0·9	−0·5			13	18			1	7	23	N 7° E	N 18° W	40	44	102*	67	0·35	0·35	Akyab.	
·496	·457	·450	−·029	84	72	53	71	− 3	2·7	3·4	3·1	+1·6		16	21	1	1		2	1	20	N	N 24° W	69	48	62*	74	0	0	Chittagong.	Bengal and Orissa.
·433	·412	·437	+·006	90	60	48	68	− 2	2·7	4·3	3·5	+2·0	3	9	5	8	2	2	5	11	17	N 38° W	N 30° W	36	44	84*	62	1·78	1·67	Calcutta (Alipore)	
·543	·521	·490	−·025	86¶	73	64	75	− 1	5·1	4·2	4·7	+2·7		20	14	1	3	12	5	6	1	N 12° E	N 6° W	21	22	166	173	0·48	0·30	Saugor Island.	
·600	·570	·570	+·017	96	70	64	78	− 1	4·9	5·5	5·2	+3·0		11	13	11	9	12	1	3	2	N 83° E	N 57° E	35	22	140*	142	0·17	0·12	False Point.	
·264	·247	·273	−·009	72	45	35	55	0	2·5	2·9	2·7	+0·3		8	1	3	2	11	7	2	28	N 63° W	N 51° W	39	49	153*	139	2·13	1·08	Hazaribagh.	Gangetic Plain and Chota
·243	·224	·250	−·094	82	40	26	54	−14	0·7	0·9	0·8	−1·6	2	2	9	8	2		3	24	12	N 55° W	N 42° W	37	26	81*	91	0·24	0·34	Allahabad.	
·237	·220	·228	−·042	79	53	38	59	− 8	3·1	4·3	3·7	−0·6	19	3	2	5	8	6	11	6	1	S 10° W	S 66° W	24	20	** 22	38	0·27	0·11	Dehra Dun.††	Upper Sub-
·248‡	·218‡	·233	−·055	89	54‡	33‡	61	− 8	1·5	1·8	1·7	−1·8	13	2	1	1	12	1	4	4	24	N 60° W	N 72° W	24	21	§§ 66	50	0·14	0·11	Roorkee.	
·274	·279	·259	−·010	86	65	45	68	− 2	2·1	3·1	2·6	−1·1	18	8	1	4	1	3		13	14	N 49° W	N 30° W	39	21	35	41	0·01	0·01	Lahore.	
·271	·191	·234	−·052	88	64	32	64	− 6	1·6	1·9	1·8	−2·5	10			1	8			37	6	S 88° W	N 54° W	56	29	37*	41	0·25	0·20	Ludhiana.	
·205	·176	·186	−·038	73	51	33	55	− 9	2·7	3·2	3·0	−1·7	40	3		3	4	2		6	4	N 73° W	S 7° W	5	4	17*	60	0	0	Peshawar.	Indus Valley
·224	·221	·207	−·020	64	36	32	47	− 4	1·7	1·9	1·8	−1·2	12	10	7	4	1	1	3	9	15	N 29° W	N	40	23	70*	53	0	0	Jacobabad.	
·292	·340	·302	−·062	54	41	38	48	−11	2·1	2·0	2·1	−0·3		4	23	10	2	1	11	4	7	N 36° E	N 24° E	30	20	150*	221	0·11	0·11	Kurrachee.	
·170	·159	·165	−·103	49	28	19	36	−20	1·1	2·2	1·7	−1·6	6	10	9	9	5	4	2	6	11	N 14° E	N	26	18	83	79	0	0	Jaipur.	E. Rajputana.
212	·242	·204		63	34	31	43		0·4	1·2	0·8		31	4	9	8	2			7	1	N 41° E		21		57*		0	0	Udaipur.	
·146	·138	·132	−·102	42	20	13	25	−11	0·6	0·7	0·7	−1·4		11	24	7	1	1	1	5	12	N 17° E	N 24° E	57	37	226	204	0	0	Deesa.	
·235	·193	·230		54	32	20	40		0·1	0·1	0·1			6	35	11	1			4	5	N 41° E		71		221*		0	0	Jamnagar.	
·385	·376	·380	+·045	80	44	36	55	+ 6	3·9	4·7	4·3	+2·8	5	3	5	7	10	6	6	11	7	S 24° W	S 75° E	11	42	183§	240	2·29	1·90	Belgaum.	Deccan.
·341	·348	·320	−·014	50	37	27	38	− 4	3·1	4·4	3·8	+2·0	1	3	12	6	6	4	7	8	15	N 28° W	S 60° E	16	56	185*	187	0·99	0·99	Sholapur.	
·287	·339	·294	−·024	58§	35	27	42	− 7	2·0	2·3	2·2	+0·7	6	7	21	3	4	2	1	5	13	N 13° E	N 48° E	42	26	85*	89	0·75	0·74	Akola.	
·236	·250	·232	−·088	39	28	25	39	−10	1·4	1·7	1·6	−0·4		11	10	7	5	1	3	7	18	N 10° W	N 68° E	40	12	134*	137	0·19	0·19	Buldana.	
·204	·209	·203	−·117	52	28	19	35	−15	1·1	1·3	1·2	−0·3	18	11	14	6				2	11	N 12° E	N 24° E	47	23	45*	79	0	0	Khandwa.	
·296	·329	·305		62	38	29	45		2·1	2·6	2·4		5	14	15	10	3	6	4	1	4	N 44° E		37		68*		0·21	0·21	Nagpur (Sanitary Commr.'s Office).	
·508	·476	·486	+·063	79	57	46	62	+ 5	4·3	5·5	4·9	+3·3	35		2	8	15			1	1	S 65° E	S 54° E	33	55	54*	86	3·31	1·93	Hyderabad (Deccan).	
·525	·587	·545	−·046	71	63	61	69	− 3	2·4	0·8	1·6	+0·5		2	15	12	1		1	6	25	N 2° W	N 6° E	47	58	219	238	0	0	Bombay.	West
·627	·676	·642	+·033	88	65	60	75	+ 2	1·3	1·6	1·5	+0·8		18	10	3		1	6	8	16	N 23° W	N 20° W	55	52	107	84	0·09	0·09	Karwar.	

§§ Mean of 29½ days. ¶ Mean of 18 days. ** Mean of 30½ days. †† Wind observations 1 less. * Corrected.

Tabl

Abstract of Observations recorded at 10 h. and 16 h. at 63 Stations

Meteorological Province.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure.						Temperature of Air.										Temperature, Wet-bulb.			
			Mean of 10 h.	Mean of 16 h.	Mean daily range.	Mean of daily mean pressures.	Departure from normal.	Mean reduced to sea-level and gravity 45° Lat.	Mean maximum.	Mean minimum.	Mean daily range.	Highest maximum.	Lowest minimum.	Absolute range.	Mean 10 h.	Mean 16 h.	Mean of daily means.	Departure from normal.	Mean minimum.	Mean 10 h.	Mean 16 h.	Mean of three pre-
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	2
South India.	Periyakulam	944	29·083	28·938	·145	29·007		29·887	89·2	66·9	22·3	92·7	59·3	33·4	79·7	87·5	77·4		64·6	70·5	71·4	68
	Salem	940	·113	·977	·136	·048	−·002	·927	90·4	68·0	22·4	96·5	61·1	35·4	80·2	88·1	78·2	+3·2	66·6	74·6	79·5	73
	Chitaldroog	2,405	27·628	27·501	·127	27·562	−·003	·884	86·2	64·9	21·3	89·9	57·8	32·1	76·9	83·6	74·6	+3·1	59·4	65·5	66·3	63
	Bangalore	3,021	·042	26·918	·124	26·978	−·008	·890	83·8	60·6	23·2	88·6	53·9	34·7	74·5	81·2	71·2	+2·7	59·0	64·0	63·5	62
	Hassan	3,091	26·981	·856	·125	·917	+·009	·887	85·3	58·8	26·5	88·4	49·0	39·4	76·0	82·0	71·1	+4·3	56·9	64·6	64·3	61
	Mysore	2,518	27·530	27·391	·139	27·459	−·012	·887	86·0	63·8	22·2	90·0	57·1	32·9	76·5	84·2	73·9	+3·2	61·1	66·6	66·8	64
	Pudukkottai	318	29·728	29·591	·137	29·660		·911	88·0			91·7			79·8	85·4			68·3	72·1	72·1	70
	Madras	22	30·034	·931	·103	·979	−·017	·933	83·9	69·5	14·4	86·8	65·1	21·7	80·3	81·0	75·9	+0·6	68·6	74·2	74·0	72
	Bellary	1,475	28·549	28·408	·141	28·476	−·027	·894	90·1	66·2	23·9	95·0	58·1	36·9	79·8	86·6	77·2	+4·0	59·3	65·7	66·3	63
	Waltair	*226*	29·860	29·743	·117	29·792	−·004	·962	81·6	70·7	10·9	85·6	65·9	19·7	78·8	78·7	75·3	+1·8	65·5	69·5	70·1	68
Station Baluchistan.	Quetta	5,502	24·735	24·661	·074	24·688	+·025	24·648	49·8	27·0	22·8	66·8	19·4	47·4	40·6	45·9	37·7	−1·9	26·1	34·9	37·3	32
Hill Stations Northern, India.	Leh	,503	19·667	19·591	·076	19·623	+·002	19·591	24·7	3·7	21·0	32·0	−6·1	38·1	14·6	21·9	12·2	−5·1	1·9‖	12·1	17·8	10
	Srinagar	5,204	25·079	25·006	·073	25·034	+·043	25·005	33·4	23·8	9·6	41·4	13·3	28·1	26·3	31·8	26·6	−4·1	22·6	26·9	30·4	26
	Sarain		23·187	23·128	·059	23·146			43·8	25·8	18·0	57·8	14·5	43·3	38·3	35·3	34·2			32·8	31·9	
	Kalabagh																					
	Simla (Ridge)	7,224	·134	·079	·055	·097	−·008	23·	44·8	34·0	10·8	54·5	22·7	31·8	41·0	42·4	38·7	−0·1	29·2‖	33·7	35·4	32
	Chakrata	7,022	·315	·257	·058	·273	−·016	·233	49·9	34·5	15·4	64·3	26·0	38·3	42·3	43·9	41·5	−1·2	30·5	35·4	36·9	34
	Ranikhet	6,069	24·162	24·088	·074	24·115	0	24·074	51·8	38·4	13·4	64·5	26·1	38·4	46·0	48·1	44·4	−2·2	34·5	38·9	39·6	37
	Muktesar	7,600	22·852	22·789	·063	22·811	‡‡	22·769	46·8	34·4	12·4	59·5	20·9	38·6	41·7	43·9	39·9	‡‡	29·7	35·5	36·5	33
	Katmandu	4,388	25·757	25·635	·122	25·690	+·003	25·644	63·9	34·7	28·3	70·3	28·2	42·1	46·7	60·5	48·2	−1·4	34·2	42·9	49·3	42
	Darjeeling	7,376	23·023	22·983	·040	22·997	−·014	22·952	46·9	33·2	13·7	53·6	28·2	25·4	41·6	44·5	39·4	−0·7	31·5	38·4	41·8	37
Central India.	Mount Abu	3,945	26·157	26·085	·071	26·113	−·002	26·064	63·2	48·7	14·5	71·1	41·0	30·1	59·5	60·7	55·2	−3·0	37·8	43·0	44·2	41
	Pachmarhi	3,528	·577	·486	·091	·524	−·003	·471	71·5	43·1	28·4	80·0	33·5	46·5	63·9	69·6	56·7	−2·0	38·6	49·5	53·2	47
	Chikalda	3,642	·459	·357	·102	·400	−·037	·344	74·8	53·8	21·0	81·2	47·3	33·9	66·3	72·7	63·6	−0·4	58·8	52·4	55·7	55
Stations, S. India.	Kodaikanal	7,688	22·892	22·823	·069	22·852		22·787	64·8	48·1	16·7	73·3	41·9	31·4	60·3	58·0	54·4		41·9	50·5	53·4	48
	Ootacamund	7,322	23·083	23·011	·072	23·041		·977	65·1	43·9	21·2	70·6	35·7	34·9	61·1	60·0	53·8		38·8	48·5	50·7	46
	Dodabetta	8,539	22·065	22·013	·052	22·033		21·970	60·0	45·8	14·2	68·2	41·4	26·8	56·2	55·1	52·2			48·9	51·1	
Extra India.	Aden	94	30·020	29·908	·112	29·958	+·024	29·985	81·0	73·7	7·3	83·5	69·9	13·6	78·0	79·9	76·3	+0·6	69·3	72·3	71·8	71
	Perim	201	29·877	·764	·113	·815	+·032	·950	84·1	74·7‖	9·4	85·1	72·6	12·5	80·3	81·8	78·4	+1·3	65·9	71·7	72·1	69
	Minicoy		·018	·937	·081	·981		·913	85·6			87·0			83·6	83·0				76·1	75·8	
	Zanzibar	72	29·915	·803	·112	·862	+·008	·861	86·0	78·9	7·1	89·5	72·2	17·3		85·7	81·5	−0·4	76·0		78·6	
	Port Victoria (Seychelles).	15	·980**	·898‖	·082	·950	+·025‡‡	·890**	82·9‖	77·2**	5·7	85·4	75·6	9·8	80·8**	81·6‖	78·9**	+0·4‡‡	73·1**	76·3**	76·4‖	75
	Mauritius (Pamplemousses).	181				·790	+·029	·916				89·6	65·7	23·9			78·6	−0·3				73

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

‖ Mean of 30 days. § Mean of three previous columns.

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

I—*concluded.*

n India, Burma, etc., for January, 1906—concluded.

Vapour Tension.					Humidity.					Cloud.				Wind direction.										Wind Steadiness.		Wind Velocity.		Rainfall.		Station.	Meteorological Province.
														Total number of 10 h. and 16 h. winds from																	
From minimum.	Mean 10 h.	Mean 16 h.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 h.	Mean 16 h.	Mean of daily means.	Departure from normal.	Mean 10 h.	Mean 16 h.	Mean of two previous columns.	Departure from normal.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Mean wind direction.	Normal mean wind direction of month.	Average percentage.	Normal percentage.	Mean velocity in miles per diem.	Normal.	Total rainfall for the month.	Heaviest rainfall during the month.		
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
																									%	%						
·583	·626	·560	·590		88	62	43	63		2·9	4·3	3·6		4	3	2	8	24	12	5	2	2	S 36° E		53		49*		1·95	1·95	Periyakulam.	South India.
·637	·786	·905	·792	+·208	93	76	68	83	+14	4·5	5·2	4·9	+1·8	6	2	17	30			1	6		N 69° E	N 81° E	61	65	99*	115	0·97	0·51	Salem.	
·446	·492	·435	·462	+·086	72	53	38	57	+ 9	3·5	3·8	3·7	+1·8	6	4	10	18	10	2	3	4	5	N 81° E	S 88° E	37	72	110*	161	1·24	1·20	Chitaldroog.	
·485	·479	·386	·454	+·046	91	56	37	63	+ 1	4·7	4·3	4·5		3	4	11	24	9	3	4	1	3	N 89° E	N 88° E	52	78	259*	127	0·11	0·07	Bangalore.	
·450	·486	·405	·451	+·073	89	53	37	62	+ 4	5·5	5·6	5·6	+2·6	2	2	16	16	11	4	3	4	4	N 85° E	N 87° E	42	77	47*	70	0·03	0·03	Hassan.	
·511	·533	·446	·501	+·078	85	58	39	63	+ 5	6·0	6·1	6·1	+3·1		4	17	18	13	3	3	2	2	N 85° E	N 83° E	55	81	172*	211	0·51	0·50	Mysore.	
	·689	·612				68	51			6·7	6·2	6·5			16	28	6	3		1	1	6	N 31° E		68		146*		1·97	1·37	Pudukkottai.	
·689	·764	·749	·752	+·067	95	74	71	83	+ 4	5·5	5·1	5·3	+1·2		8	13	24	12	1	3	1		N 82° E	N 51° E	63	76	127	137	4·05	1·58	Madras.	
·435	·465	·398	·425	+·019	86	45	32	47	− 3	4·4	4·8	4·6	+2·2	9	3	7	14	12	5	2	4	6	S 81° E	S 69° E	29	61	84*	86	0·55	0·28	Bellary.	
·569	·574	·628	·608	+·031	75	61	63	69	+ 1	6·0	5·9	6·0	+4·2			24	3	16	11	8			S 66° E	S 80° E	45	30	165*		0·12	0·12	Waltair.	
·133	·147	·138	·147	−·017	92	59	47	70	0	2·6	2·8	2·7	−1·4	39	3			4	3	1	7	5	W	N 84° W	13	24	15*	70	0·65	0·42	Quetta.	Hill Station, Baluchistan.
·034‖	·058	·068	·053	−·011	62‖	67	57	63	+ 1	5·8	6·6	6·2	−0·6			4	10	5	23	16	4		S 2° E	S 13° W	56	32	38	24	0·16	0·05	Leh.	Hill Stations, Northern India.
·111	·131	·156	·133	−·025	87	88	87	87§	+ 3	9·5	8·2	8·9	+1·7	13	3	3	2	15	9	6	5	6	S 4° W	S 21° E	24	4	64*	74	2·28	1·40	Srinagar.	
	·133	·146				62	72			4·3	5·3	4·8		32	1	3	2	1	9	8	6		S 29° W		23		56*		§§ 4·97	§§ 2·20	Sarain.	
																															Kalabagh.	
·115‖	·123	·137	·133	−·018	62‖	51	52	59	− 2	3·7	4·3	4·0	−1·6	11	16			5	26	1		3	S 3° E	S 18° E	19	20	132*	120	1·94	1·06	Simla (Ridge).	
·130	·138	·149	·147	−·015	68	55	55	63	− 3	3·2	3·4	3·3	−1·3	31	10	1		2	18				S 14° E	S 51° W	14	6	122*	137	2·83	0·79	Chakrata.	
·161	·166	·158	·170	−·031	72	56	50	63	− 4	2·9	3·6	3·3	−0·8	36		2	1	1		7	14	1	S 78° W	S 60° W	27	17	43*	50	1·25	0·72	Ranikhet.	
·120	·146	·143	·144		64	59	54	63		3·9	5·5	4·7		7	2	2	3	8	6	4	29	1	S 65° W		40		202*		1·76	0·88	Muktesar.	
·198	·237	·231	·230	−·023	97	74	44	76	− 1	1·3	1·6	1·5	−1·9	10	1		15	4	1	2	29		S 71° W	N 78° W	21	46	22	21	0·26	0·26	Katmandu.	
·161	·203	·240	·209	−·001	84	77	81	85	0	4·6	5·8	5·2	−0·5	20		9	1	4	1	9	6	12	N 68° W	N 81° W	19	20	92*	89	0	0	Darjeeling.	
·105	·091	·106	·108	−·099	31	18	20	31	−18	0·8	1·1	1·0	−1·4	2	8	11	1	10	1	10	6	13	N 33° W	N 61° W	19	12	128*	125	0	0	Mount Abu.	
·189	·195	·221	·209	−·084	66	32	29	50	−13	1·7	1·9	1·8	−0·6	1	2	4	8	7	1	14	8	17	N 86° W	N 75° W	23	10	102*	84	0·02	0·02	Pachmarhi.	Hill Stations, Central India.
·224	·241	·251	·246	−·068	53	37	31	48	−10	2·2	2·3	2·3	+0·3	1	11	4		6	4	18	2	16	N 78° W	S 44° W	31	21	200*	132	0·11	0·11	Chikalda.	
·210	·272	·366	·296		62	54	76	70		2·6	6·1	4·4			7	8	10	16	7			12	N 73° E		31		291		4·10	2·63	Kodaikanal.†	
·190	·214	·275	·235		64	40	53	53		3·6	6·0	4·8		6	9	10	14	11	8	1	1	2	N 88° E		42		92*		3·77	2·47	Ootacamund.	Hill Stations, S. India.
	·273	·340				61	79			3·8	6·6	5·2			7	15	18	16	3	1	1	3	N 82° E		55		305		3·31	1·99	Dodabetta.	
·660	·716	·671	·692	+·050	80	75	66	75	+ 3	3·4	1·0	2·2	−1·8			13	10	30	1	4	1	3	S 68° E	S 89° E	60	70	†† 168*	324	0	0	Aden.	Extra India.
·524‖	·662	·660	·625	−·068	61‖	63	61	63	−10	2·0	0·1	1·1	‡‡ −1·3				1	35	23	2	1		S 25° E	N 86° E	87	80	472*	475	0·20	0·15	Perim.	
	·797	·794				69	70			4·0	3·9	4·0			51	5	1		2		1	2	N 2° E		87		147*		0·70	0·40	Mincoy.	
·866		·887			87		72				4·5				5	16	9		1				N 53° E	N 33° E	80	70	139*	187	6·71	2·02	Zanzibar.‡	
					**	**				**																	††					
·753**	·852**	·846‖	·838	+·005	81	81	78‖	83	− 1	64	65‖	6·5	−0·5	6	13	3		3			4	30	N 32° W	N 42° W	67	65	157	144	20·61	3·85	Port Victoria (Seychelles).	
			·740	+·003				76	+ 1			6·5	+0·1										S 76° E	S 86° E			238	266	3·48	1·25	Mauritius (Pamplemouses).	

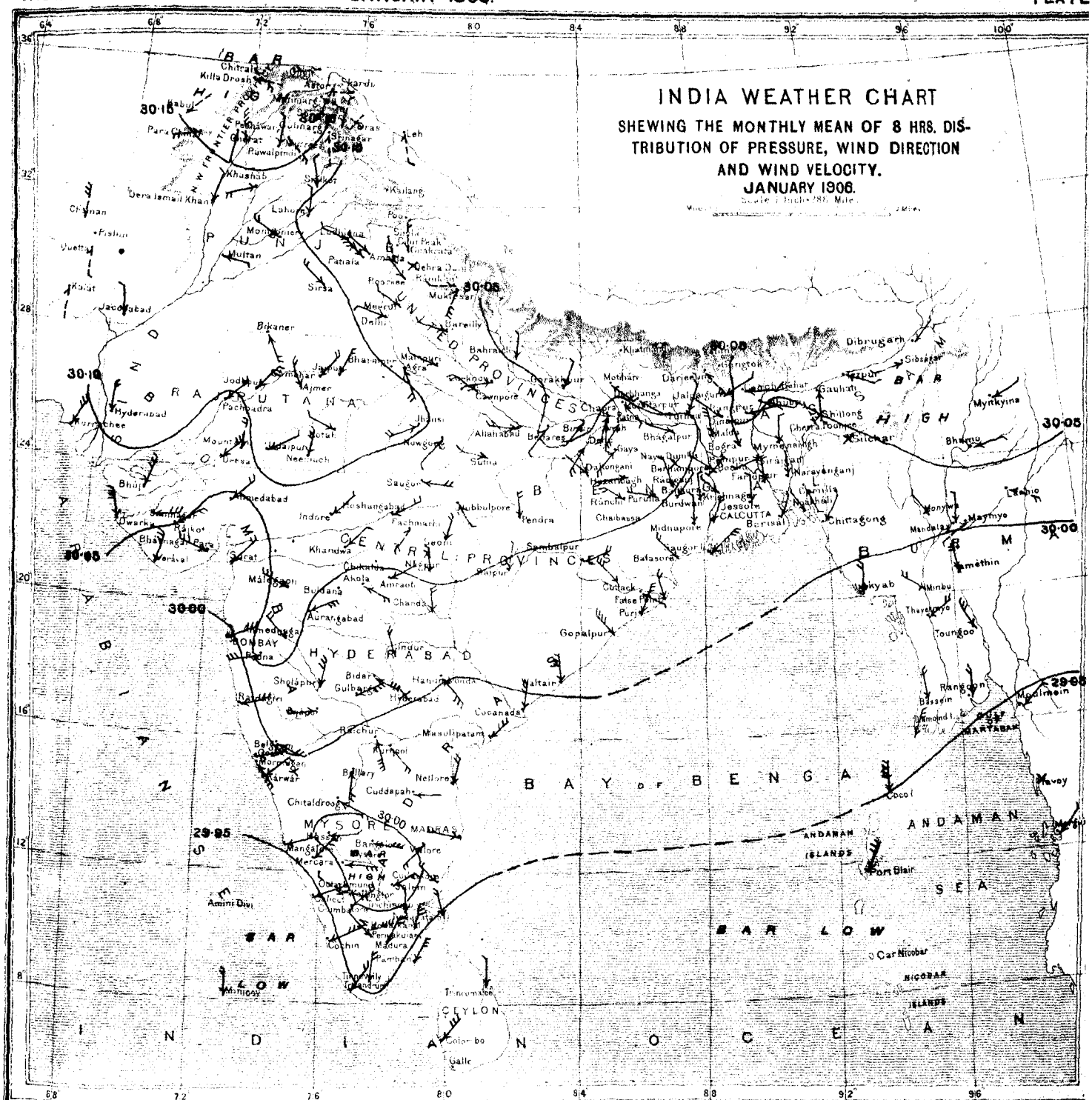
* Corrected.

† Wind variable 2.
** Mean of 29 days.

‡ Wind observations 31 less.
†† Mean of 29½ days.

§§ Snow water.
‡‡ Departures from old normals.

G. I. C. P. O.—No. 27 Meteor.—12-7-06—385.



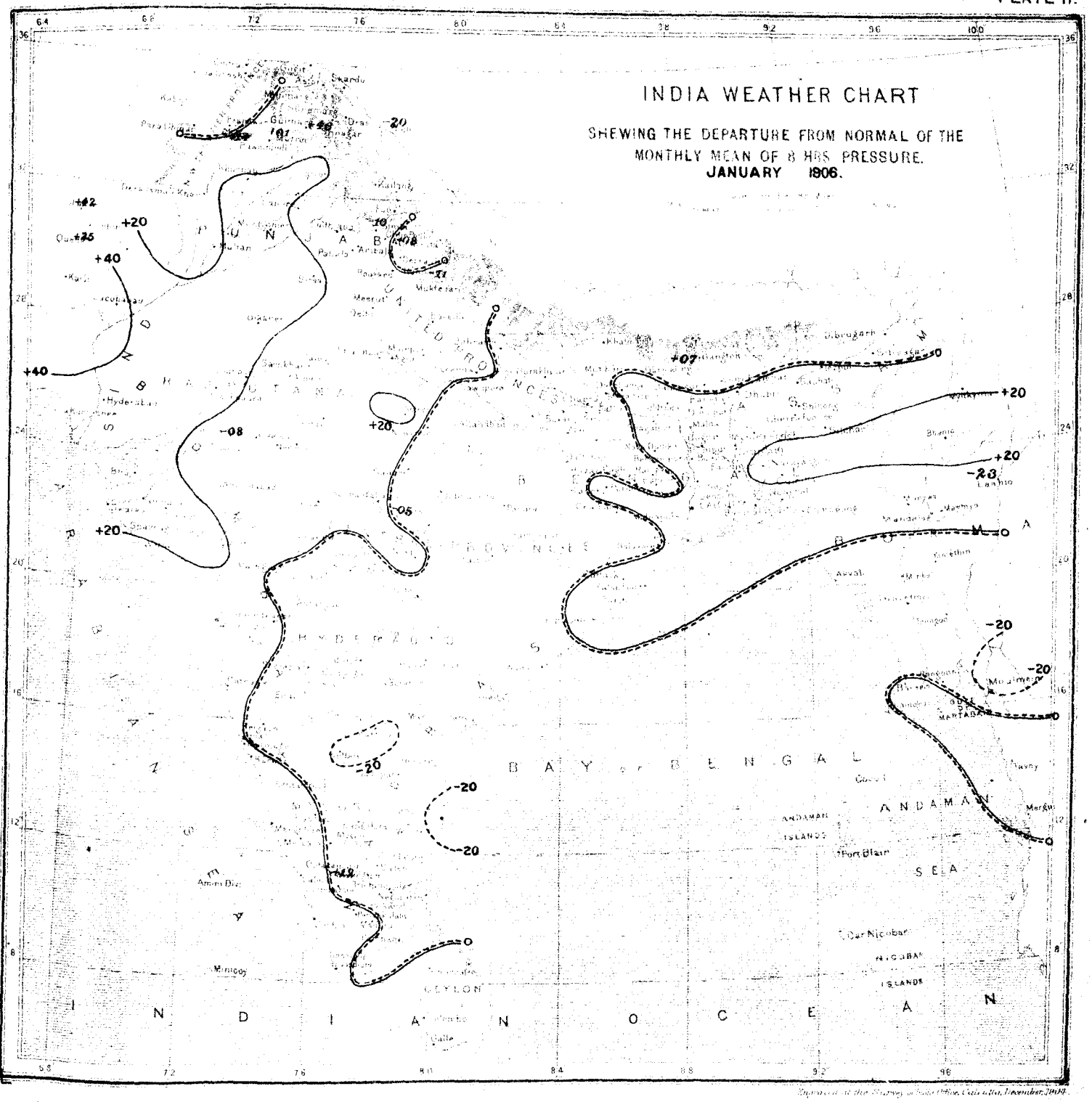
Engraved at the Survey of India Office, Calcutta, December 18

LITHO. BY S. S. MUNDLE.

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

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

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



Surveyed in the Survey of India Office, Calcutta, December 1906.

LITHO BY S. B. MUNDLE.

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

PLATE III.

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

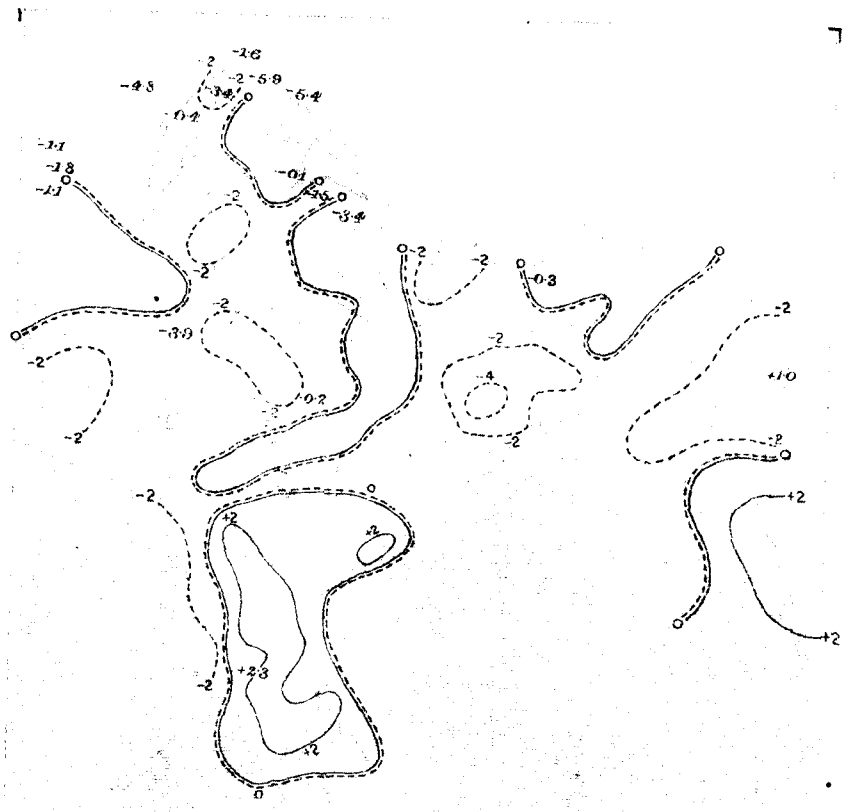
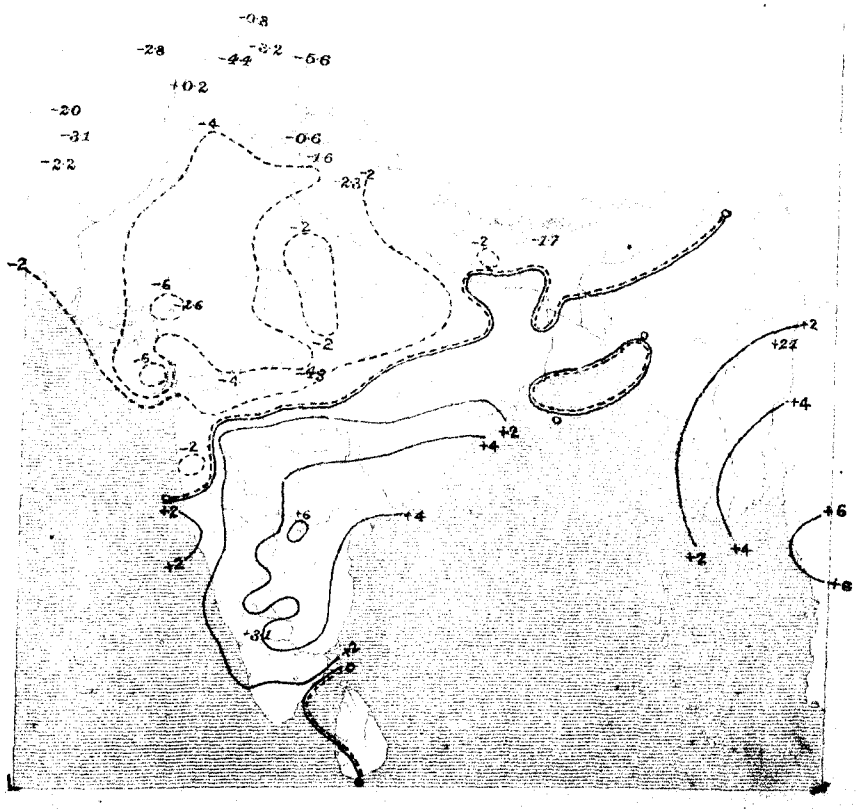


CHART SHEWING THE DEPARTURE FROM NORMAL
OF THE MONTHLY MEAN OF DAILY
MINIMUM TEMPERATURE.



UTHO. BY S.S.MUNDLE.

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

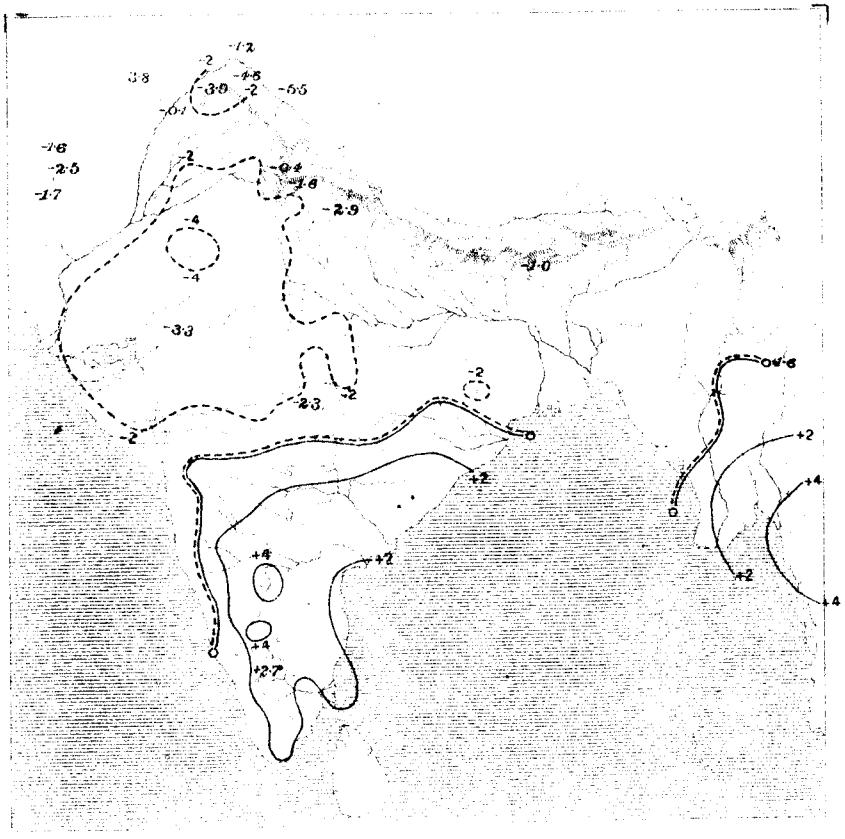
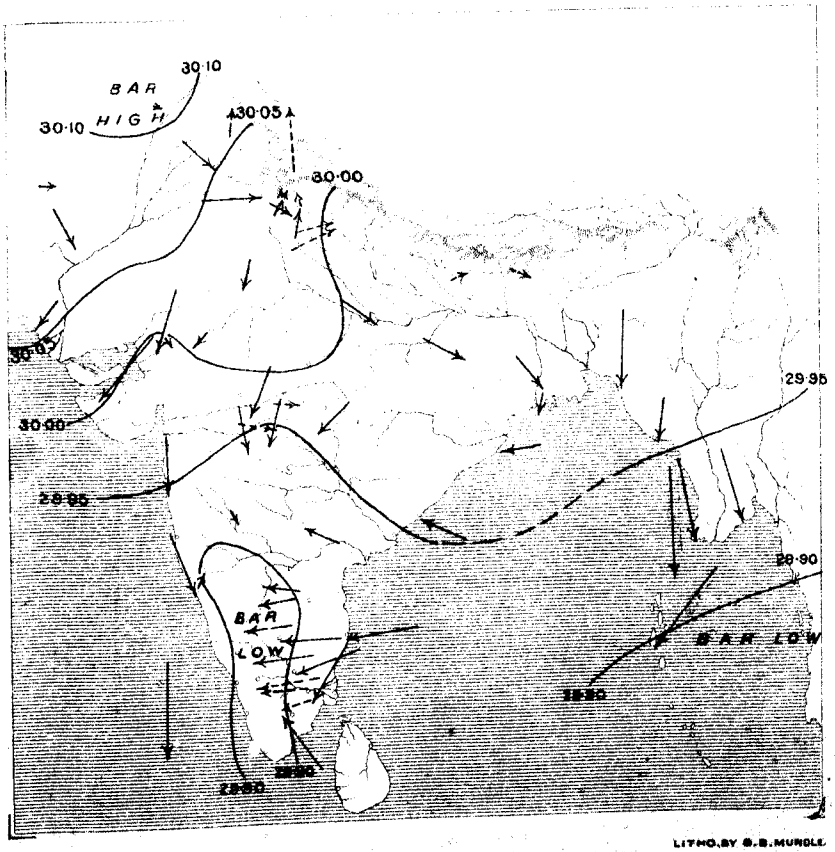


CHART SHEWING THE MONTHLY MEAN OF PRESSURE AND RESULTANT WIND DIRECTION.



LITHO. BY S. S. MURDLE

PLATE V

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

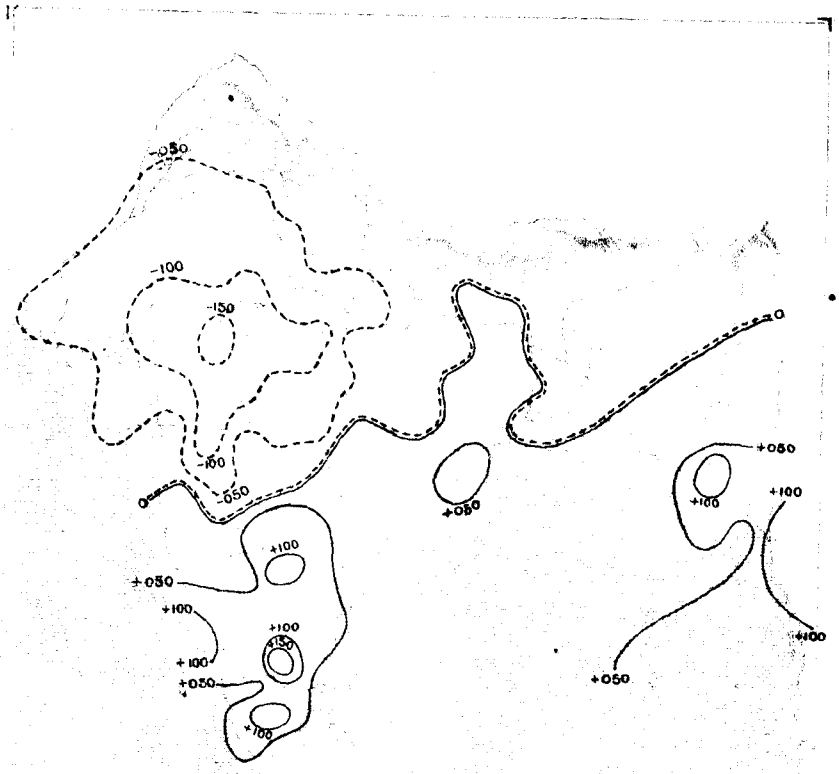
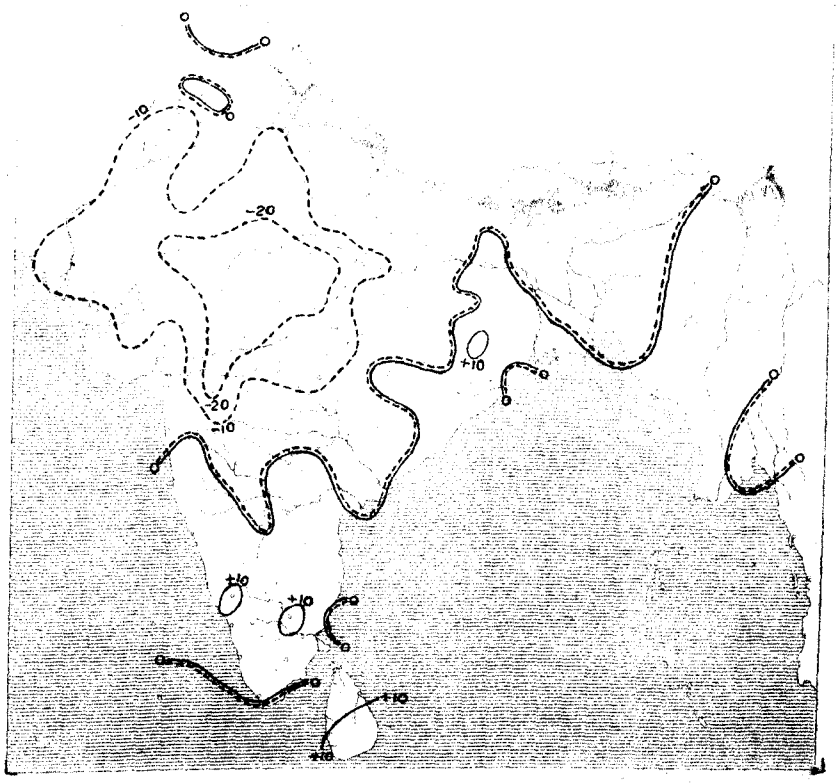


CHART SHEWING THE DEPARTURE FROM NORMAL
OF THE MONTHLY MEAN OF RELATIVE
HUMIDITY AT 8 HRS.



LITHO. BY S.B.MUNDLE.

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

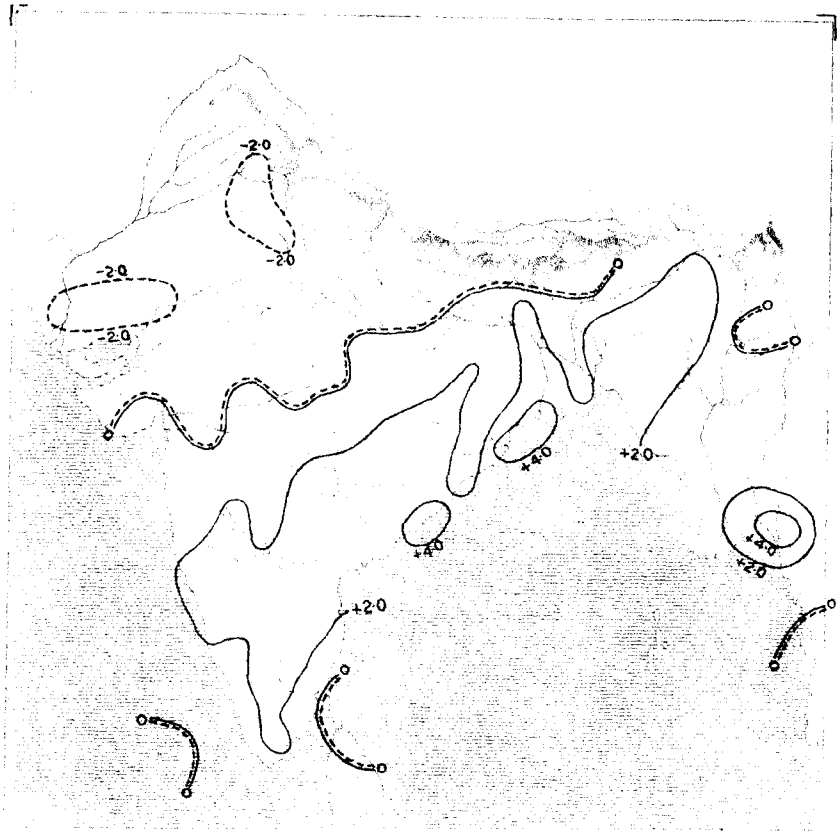
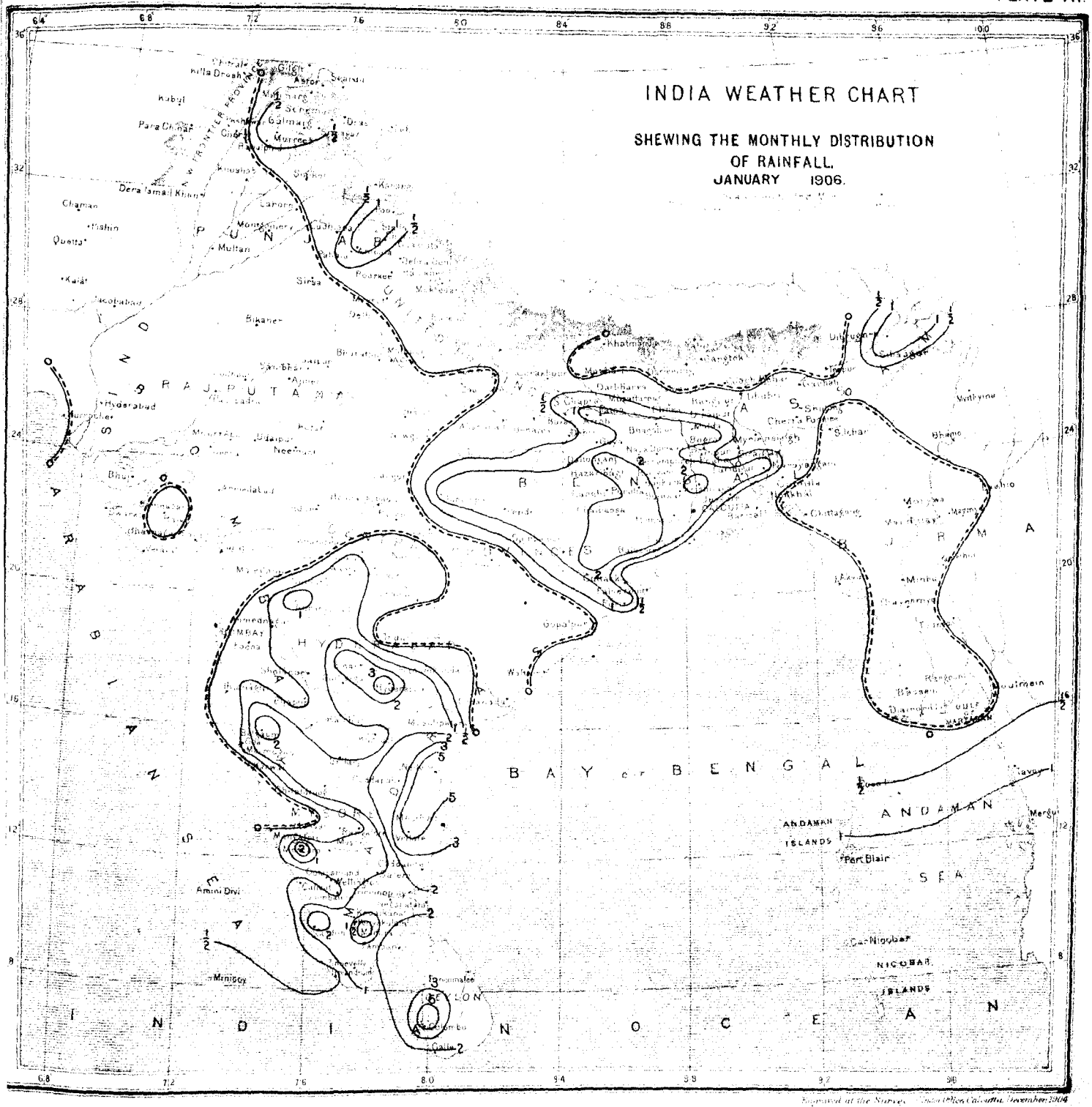


CHART SHEWING THE TOTAL NUMBER OF DAYS IN THE MONTH ON WHICH RAINFALL EQUALLED OR EXCEEDED 0·10 INCH.

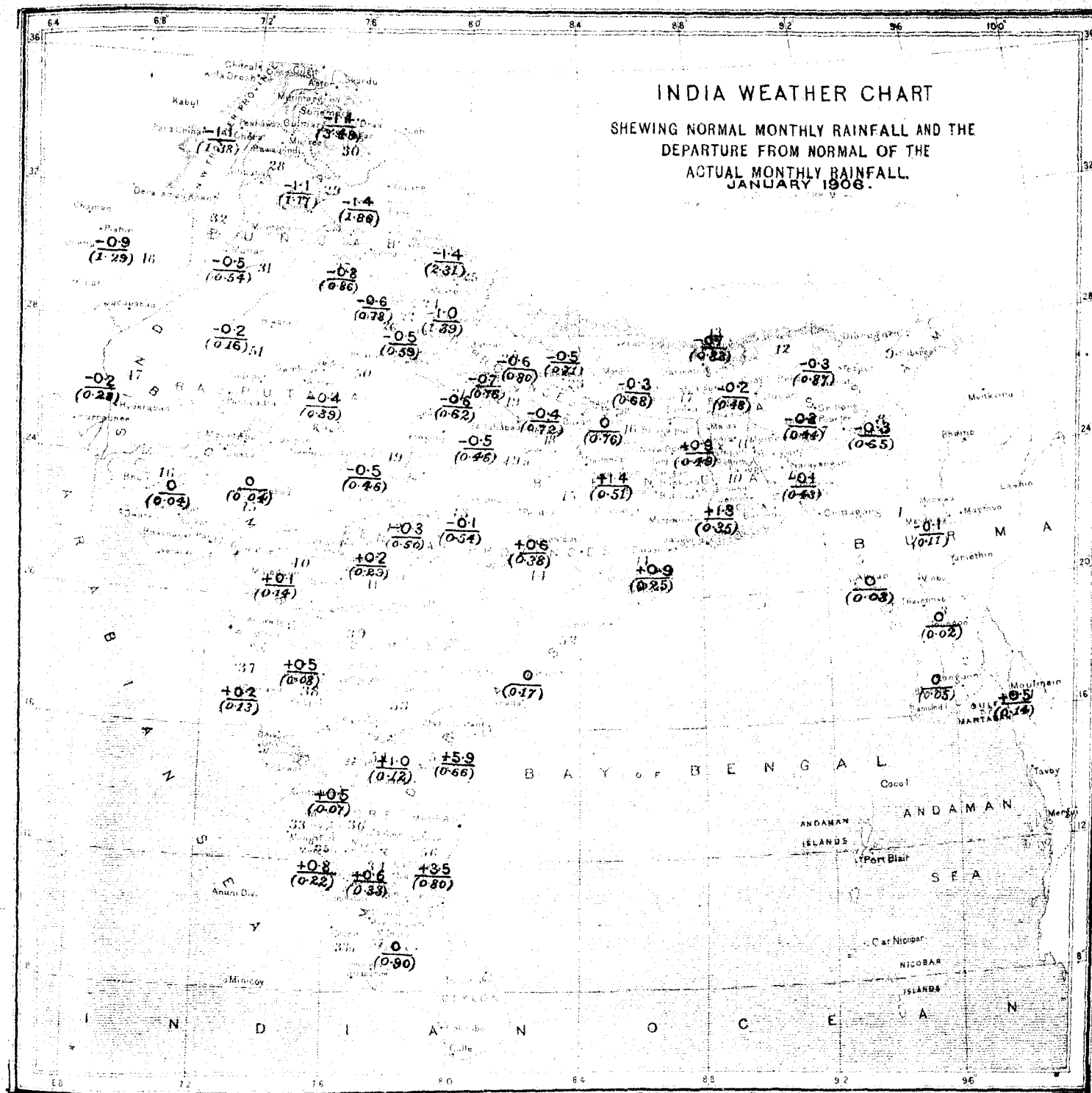
LITHO. BY S.S. MUNDLE.



Engraved at the Survey Office, Calcutta, December 1906.

LITHO. BY S. S. MUNDLE.

The chart shows the distribution of the rainfall of the month by means of isohyetic lines or lines of equal amounts of rain. The data used in the preparation of this chart are the rainfall returns of all the observatories in India except those at the hill stations over 3,500 feet in elevation (177 in number). The double line or line of no rainfall separates areas in which the rainfall exceeded a tenth of an inch from those where it was actually or practically *nil* (*i.e.* less than a tenth of an inch). The dotted line faces the area of no rainfall.



Engraved at the Surveyor General's Office, Calcutta, December, 1906

LITHO. BY J. M. MUNDLE.

The country is divided into 57 areas, over each of which the meteorological conditions are fairly uniform, and the staple crops similar in character. The numbers in bracket on the chart give the average over the division of the normal monthly rainfall; the numbers above these give the departure from these normals of the average actual rainfall over the division. The name of the district can be ascertained by referring in the following list to the number given in each district in red figures.

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

GOVERNMENT OF INDIA.

METEOROLOGICAL DEPARTMENT.

MONTHLY WEATHER REVIEW

PUBLISHED BY ORDER OF

THE GOVERNMENT OF INDIA.

CALCUTTA, FEBRUARY 1906.

INTRODUCTION.

THIS review of the weather in India during the month of February 1906, is based on observations taken daily at 8 hrs. at 234 stations, and on additional observations taken at 10 hrs. and 16 hrs. at 63 stations. In the rainfall summary the data furnished by the meteorological observatories, and such rainfall statements of the month as had been published by the provincial Governments up to the date of the preparation of the review have been utilized. The brief notes on solar, seismic and magnetic disturbances are supplied by the chief observatories.

Summary of the chief features of the weather in India during the month of February, 1906.

During February the weather in northern India has been abnormally cold, wet and cloudy, and a series of depressions of the winter type has passed eastward from Baluchistan or the Arabian Sea across Gujarat, Sind or the North-West Frontier Province, accompanied by waves of hot and cold weather. Evidences of two other such depressions also, with centres passing to the north of Kashmir, have appeared.

The depressions of the series which actually entered India affected the weather between the following dates:—

1st depression, February 1st to 3rd, moderate depth.
2nd " " 7th to 11th, shallow.
3rd " " 11th to 15th, moderate depth.
4th " " 15th to 17th, deep and very active.
5th depression, February 21st to 24th very deep and very active.

Rain or snowfall occurred with each of these, notably with the two last to which was due the larger part of the total rainfall of the month which, as has already been indicated, has been very greatly in excess of the normal.

Mean temperature has been from 2° to 4° low over the whole of northern India, the maximum or day temperatures especially contributing to this result, and conditions of high humidity and excess cloud amount have been nearly general. Detailed accounts of the distribution in position and in time of the several meteorological conditions of the month will be found below in their respective sections.

Solar, seismic and magnetic disturbances.

SOLAR PHYSICS OBSERVATORY, KODAIKANAL.

Solar observations, February 1906.

The month was, on the whole, a favourable one for observations and there was only one day (28th) on which no observations were possible.

Sunspots.—The results for the month show a great, though probably temporary, falling off in the number and size of the spots. The mean daily number of groups visible was only 2·9, which is less than in any month since September 1904. The number of new groups observed was 18, but of these 11 were small temporary spots seen on only one day, two were seen on two days and one on three days. There was no large group and only three traversed the whole visible disc. These were Nos. 755, 764, and 766 and

were all returns of spots seen during the previous rotation. No. 755 which came round the limb on the 5th is the third appearance of No. 719, which was first seen on December 13th. It has throughout been a regular shaped spot of moderate size. No. 764 was the return of No. 745, which during its first appearance very rapidly changed from a group of minute spots into a large and active spot. On its return the group consisted only of the leader which traversed the disc almost unchanged as a regular shaped, quiet spot. The northern hemisphere continued to have far more spots than the southern, the proportion for the month being 2 to 1. Half of the spots were within 10° of the equator.

Faculæ.—In contrast to the falling off in spot activity faculæ were very numerous. About 116 groups of faculæ—some of them very large—were observed.

Prominences.—Prominences were also very plentiful. Including very small ones 460 were recorded. There was an average of one "very large" and two "large" prominences daily. Polar prominences were more abundant than usual and some of them were very tall, but the majority of the massive, bright prominences were in equatorial regions. Large prominences appeared on the west limb at the same latitude from the 9th to the 15th. On the 10th a series of prominences more or less connected with each other by streamers covered nearly 45° of the west limb. On the 14th a prominence reaching to a height of at least 6 minutes (the limit of the photograph) was photographed in calcium light. Only three eruptive prominences, showing displacement of the lines in the spectrum, were observed.

There was no large magnetic disturbance during the month.

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

COLABA OBSERVATORY, BOMBAY.

Note on the Colaba magnetic record.

During the month the traces showed 8 calm days, 18 days of small and 2 days of moderate disturbances.

Movements suspected to be due to seismic causes occurred on the 14th at about 21h., the strain apparently lasting for about 5 hours.

The selected quiet days of the month were the 5th, 12th, 13th, 18th and 22nd.

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

Declination . . .	0° 14′ 28″ east.
Horizontal Force . . .	·37411 C. G. S. unit.
Dip	22° 2′·8.
Horizontal Force Range .	·00047 C. G. S. unit.
Horizontal Force (range) summed	·00295 " "
Declination range . . .	2′·10.
Declination range (summed) .	8′·51.

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

Five seismic disturbances were recorded during the month on the 1st, 19th, 24th, 26th, and the 28th, the last one being the largest with an amplitude of 8·4 m.m.

Magnetic disturbances.

February 1906.		February 1906.		February 1906.	
1	S.	11	C.	21	S.
2	S.	12	C.	22	C.
3	S.	13	C.	23	S.
4	S.	14	S.	24	M.
5	C.	15	S.	25	S.
6	S.	16	S.	26	S.
7	S.	17	C.	27	C.
8	S.	18	C.	28	S.
9	S.	19	M.		
10	S.	20	S.		

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

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

ALIPORE OBSERVATORY, CALCUTTA.

Alipore.—List of displacements recorded by the seismograph at the Alipore Observatory during February 1906 :—

Date 1906.	P. T. commencement. G. M. T.	L. W. commencement. G. M. T.	Maxima. G. M. T.	End. G. M. T.	Maximum amplitude in m.m.	Duration.	REMARKS.
	H. M.	H. M.	H. M.	H. M.		H. M.	
2-2-06	18-27·4	18-36·0	18-37·6	18-51·8	0·50	0-24·0	Sensibility 1 m. m.=0″·38 of tilt.
10-2-06	9-2·6	9-18·6	9-20·6	9-30·9	0·50	0-28·3	
23-2-06	15-48·8	...	15-49·8	16-14·8	0·75	0-26-0	
27-2-06	19-43·8	...	19-49·9	20-57·0	(a)14·00	1-11-2	

(a) Measured from the base line.

The local times of the commencement :—

Date 1906.	H. M.
February 3	0-20·7
" 10	14-55·9
" 23	21-42·1
" 28	1-39·1

C. W. PEAKE,
Asstt. Meteorological Reporter to the Govt. of India.

Simla.—List of earthquakes recorded by the Omori-Ewing seismograph at the Simla Observatory during the month of February 1906:—

Date.	Commencement of P. T. G. M. T.	End of P. T. G. M. T.	Beginning of L. W. G. M. T.	Maxima, G. M. T.	End approximately, G. M. T.	Duration approximately.	Maximum amplitude in m.	Remarks.
	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	M. M.	
2nd .	...	...	1 56·2	1 56·4	1 56·9	0 0·4	0·06	Local.
,, .	...	...	9 32·7	...	9 33·8	0 1·1	0·03	Do.
,, .	...	...	11 29 6	11 29·7	11 29 6	0 a·o	0·04	Do.
14th .	...	...	...	6 45·0	...	...	...	Tremor.
17th .	...	...	14 37·7	14 37·9	14 39·8	0 1·1	0·08	Local.
18th .	...	...	...	14 0	...	0 0·1	0·02	Tremor.
27th .	...	...	19 42·0?	...	19 44·5?	0 2·5?	4·0	Local.
,, .	...	...	19 55·0?	...	...	...	0·5	Do.
,, .	...	...	20 4·0?	...	...	...	0·2	Do.
,, .	...	...	20 6 0?	...	...	...	0·15	Do.
,, .	...	...	20 16·0?	...	...	...	0·15	Do.
,, .	...	...	20 57·0?	...	...	...	0·05	Do.
,, .	...	...	21 50·0?	...	...	...	0·1	Do.
28th .	...	...	5 12·0?	...	5 45·0?	0 33·0	...	Tremor.
,, .	...	...	...	10 7·0?	...	...	0 02	Local.

The earthquake on the morning of the 28th was rather severe at Simla and in the Kangra valley. As far as can be ascertained it was felt within the area bounded by Leh, Srinagar, Murree, Montgomery, Sirsa and Bareilly. Slight shocks were also reported from Cherat, Dera Ismail Khan and Delhi about the same time, but it is difficult to say whether they were connected with this disturbance. The direction of the shock appeared to be from north to south. In Simla, beyond overthrowing a chimney and cracking a number of the north and south walls in some of the houses on the ridge, no damage appears to have been done. From information received from the Deputy Commissioner, Kangra, the earthquake appears to have shaken the houses rather vigorously throughout the district and to have been most violent in the Saraj Tehsil where 9 persons, about 20 cattle and 50 sheep and goats were killed, 11 persons wounded and over 100 houses demolished.

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Deputy Meteorologist.

Royal Alfred Observatory, Mauritius.

Solar observations.—Unfavourable weather occurred only on the 3rd and the 17th. On all other days one or more groups of spots and faculæ were observed, and on many days additional single spots appeared.

Magnetic disturbances.

Day.	Time.	Disturbances.
1	13½ h. to 17½ h.	Wave in H. F. (−35).
3	10½ h. to 15 h.	Small fluctuations in H. F.
15 to 16	13½ h. to 8 h.	Wave in H. F. (−80) with superposed fluctuations.
15	20 h. to 21 h	Wave in declination (+2′).
19	2 h. 21 m.	Sudden increase of H. F. (12) followed till 4 h. by small fluctuations.
19	12 h. to 15 h.	Small fluctuations in H. F.
19 to 20	17 h. to 7 h.	Wave in H. F. (−78) with superposed fluctuations.
23	12 h. 15 m.	Sudden decrease in H. F. (19).
24 to 25	12 h. to 5 h.	Wave in H. F. (−99) with superposed wave on 25th from 1¼ h. to 3 h. (+47).
24 to 25	17 h. to 1 h.	Occasional small fluctuations in declination with wave (−3′) from 25 d., 4½ h. to 5½ h.
26	4 h. to 6½ h.	Wave in H. F. (+40).
26	8½ h. to 13¼ h.	Wave in H. F. (−48).
26	22 h. to 24 h.	Wave in H. F. (+23).
27	2 h. to 3 h.	Wave in H. F. (+19).
28	0½ h. to 5 h.	To successive waves in H. F. (+18 and +17).

The measurements are given in C. G. S. measure (unit =·00001) for horizontal force (H. F.) and vertical force (V. F.), and in minutes of arc for declination.

T. F. Claxton,
Director.

Weather in the Indian monsoon region.

Pressure departures from normal were small over the southern Indian ocean and of opposite signs at Zanzibar and the Seychelles. At these two stations winds have been almost due north, thus differing considerably from their average directions for February, and have been considerably lighter and less steady than usual. The area of greatest rainfall has been to the west, Zanzibar reporting a considerable excess and the Seychelles a defect.

In the following table are collected the figures relating to these conditions:—

February.	Mauritius.	Zanzibar.	Seychelles.
Pressure departure	+·014	+·009	−·010
Actual mean wind direction . .	N 82° E	N 1° E	N 8° E
Normal mean wind direction . .	S 81° E	N 33° E	N 21° W

February.	Mauritius.	Zanzibar.	Seychelles.
Actual mean wind velocity (miles per diem).	164	117	103
Normal mean wind velocity (miles per diem).	264	161	145
Rainfall departure	−2·41	+2·79	−3·26

In the more northern parts of the monsoon area to the west of India, weather has been disturbed by the depressions which have crossed those regions into India. Low mean pressures have been recorded at Aden, Muscat and Bushire and great excess of rainfall at Perim, Aden, Muscat, Jask, Ispahan, Kabul and Kashgar.

Depressions and cyclonic storms.

Five depressions of varying intensity have entered India during February, and as regards number only have given a normal character to the month. Of these the first has already been described in its earlier stages in the review for last month, on the last day of which it was entering India by way of Baluchistan. In this two centres of low pressure were associated, the more prominent of which travelled through Sind and broke up in the Punjab Himalayas giving snowy weather there, and the other travelled through Gujarat from the head of the Arabian Sea into the Central Provinces, where it quietly disappeared in a rainless condition between the 2nd and the 3rd.

It is noteworthy that on the 6th rain occurred in Assam. This may have been caused by an unreported part, possibly the main part, of the depression travelling eastward over the country to the north of the Himalayas until it was in a position to influence the weather of the Brahmaputra valley. An interval of 2 or 3 days not infrequently separates the apparent break up of a depression in the Punjab Himalayas or its recession from Kashmir, from a beginning or an increase of rainfall in Assam.

The second depression was of small depth, about ·050″, but was accompanied by the distinct waves of warm and cold weather, respectively in front of and behind its centre, which are characteristic of these winter storms. It travelled across India from the head of the Arabian Sea during the period from the 7th to the 11th, and became filled up in north-east India.

In consequence of the shallowness of this depression it is difficult to trace its course or to say exactly where it disappeared, and it is perhaps doubtful whether the fairly general rainfall reported on the 11th from the Central Provinces, Orissa, Chota Nagpur, Bengal and Assam was entirely attributable to its action. In any case it seems certain that the widespread fall of pressure over the whole of north-east India, which had occurred by the morning of the 9th was due to causes other than the depression at that time passing over the Central Provinces. This conclusion receives support from the fact that the associated area of unduly high temperature had its nucleus over the south of the United Provinces, and would therefore have lain behind the depression if the latter had caused the barometric fall in Bengal.

The third depression was first visible at Baghdad on the 10th where it lowered the barometer by a quarter of an inch, and on the 11th was evidenced over the large area outlined by the stations of Bushire, Muscat, Quetta and Kurrachee, the falls of pressure in these places varying from 1″ to 1¾″. It followed a normal course, accompanied by hot and cold weather conditions and cloud, until it disappeared or became diffuse in Bengal on the 15th. On the last day only of its existence, in north-east India, it definitely gave rain; but wet weather had occurred on the 14th and 15th, possibly owing to its influence, in the North-West Frontier Province, the Punjab, Kashmir and the United Provinces.

The fourth depression appeared at Baghdad and Bushire on the 13th, had extended over Baluchistan on the 14th and by the 15th had entered the Punjab. There the pressure fell ⅕″ to a value ¼″ below normal. By the next day the depth had increased to more than ⅓″ over the west Punjab and Frontier Province. On the 17th the depression had disappeared, and temperature had fallen in the submontane Punjab plains, and had begun to rise again in the Punjab further west. Considerable rainfall effects followed its action not only in its immediate neighbourhood, Sind, the Punjab, the Frontier Province and the west of the United Provinces, but along the Gangetic plain from Bengal north-westwards on the 15th, 16th and 17th.

The rainfall in this region on the 15th was probably also influenced by the previous depression which was disappearing at that time.

The fifth and last depression of the month was exceedingly active, and to the combined effect of this and the preceding one was due the major portion of the total rainfall which so largely exceeded the normal February allowance. As this storm is of interest from its intensity and results, a somewhat detailed history is given below:—

February 19th.—Depression first evidenced by a fall of ¼″ at Baghdad.

" *20th.*—Effects visible at Bushire and Muscat. Cloud gathering in Baluchistan with a temperature rise of 5°.

" *21st.*—Chaman, Quetta, and Kurrachee shewing ⅓″ fall of pressure, and a departure from normal slightly greater in amount. The north-west of India affected by a fall of from $\frac{1}{10}$″ to ¼″ and thick cloud over the whole north-west and in Kashmir. Nearly general rain from ¼″ to 1″ in Sind and Rajputana accompanied by a fall of temperature of from 5 to 10.°

" *22nd.*—A further rapid fall of nearly ½″ of pressure in the North-West Frontier Province, and of lessening amount eastward as far as Bengal with ⅕″ in Chota Nagpur. Departure from normal pressure in the Frontier Province and Kashmir exceeding ⅓," and a further fall of mean temperature of from 10° to 12° in parts of those areas. Cloud clearing in Sind and the west Punjab, but skies overcast in the

North-West Frontier Province, Kashmir, the east Punjab, west United Provinces and Bengal. General rain in amounts varying mostly from ½″ to 1½″ over the North-West Frontier Province, Rajputana and the United Provinces, and local rain in Sind, west Central India, the Circars coast and Bengal.

February 23rd.—Rapid rise of barometer in north-west India and ¼″ fall in Assam and Burma, the pressure being now in very large defect over the whole of northern India. Temperature risen rapidly in the north-west and fallen by 10° in Bengal. General or nearly general rain in amounts similar to those of the 22nd in Bengal, Assam and the whole submontane districts westwards to Kashmir. Skies clear over Sind and Rajputana.

„ *24th.*—Further rise of pressure in the north-west, and skies to the west of Allahabad almost cloudless. Rainfall practically ceased.

In addition to these five depressions which actually entered India during February there were evidences on the 18th and 19th of the existence of a low pressure centre to the north of Teheran and Kashmir and on the 25th of another, which had not been visible at Teheran, to the north of Kashmir. Regarding the former, Teheran had showed on the 18th a fall of 0·″150, which did not extend southward to Ispahan and on the 19th this effect had reached the extreme north corner of the Frontier Province and Kashmir and had given rain and snow. In the case of the latter depression, a deviation of about 0·05″ in Kashmir, the North-West Frontier Province and part of the Punjab from the upward changes of pressure in the surrounding country to the south appeared on the 25th, but beyond a distinct temperature wave accompaniment there was little to distinguish it among the rapidly changing conditions induced by the large depression which had just passed over the ground. These falls of pressure were probably due to contact with the southern limit of depressions passing along easterly courses, which lay to the north of Afghanistan.

The chief feature in which the storms of this month have differed from those of January has lain in the definiteness of the accompanying thermal effects; a point on which some emphasis was laid in last month's review was that the closeness with which the depressions followed one another across India had caused the overlapping and annulment of the temperature changes due to each by the temperature changes of opposite sign induced by the depressions in its front and rear. In February the number of such low pressure centres has been smaller and their distance apart greater, and in consequence the weather has shewn to the full the effect of such temperature changes as are normally associated with winter depressions.

Pressure.

The geographical mean of the pressure over the Indian area for February 1906, has been below the normal value by 0·″027, and this deficiency affords a break after the conditions of general excess pressure in February which have persisted throughout the five previous years. A reference to Plate II will make it clear that the area over which the pressure conditions contributed most largely towards the deficit of the month was the country affected to the greatest extent by the winter depressions, and calculation shows that probably half of the total deficit was caused by the single deep depression, the last of the month, which has been described in a previous section. It will be seen, also, in passing eastward over the map to the region where the winter storms either do not penetrate at all or do so only in a weakened form, that the pressure defect becomes less strongly marked than in the west. Except in the extreme north-west the map is flat, *i.e.*, it differs from a normal map by a nearly constant pressure so that the departures from normal therein shown are not such as to cause any great deviation from the usual winter gradients across India. In the hill stations of the west Himalayas and in Baluchistan, as also at Mount Abu, the defects were even more pronounced than in the adjacent plains, but at Darjeeling and in the south of the Peninsula this condition did not hold.

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

HILL STATION.	Departure from normal pressure.	PLAIN STATION.	Departure from normal pressure.	Departure of pressure difference.
	″		″	″
Quetta	—·079	Jacobabad	—·032	+·047
Leh	—·103	Lahore	—·047	+·056
Murree	—·076	Peshawar	—·068	+·008
Simla	—·062	Ludhiana	—·033	+·029
Chakrata	—·057	Roorkee	—·020	+·037
Ranikhet	—·043	Bareilly	—·021	+·032
Darjeeling	—·020	Dhubri	—·008	+·012
Lashio	—·050	Bhamo	...	...
Mount Abu	—·067	Deesa	—·037	+·030
Pachmarhi	—·056	Khandwa	—·050	+·006
Wellington	—·010	Coimbatore	—·040	—·030

In the 11 meteorological provinces of the table below pressure departures had the following negative values and these conditions were accompanied, as is not usually the case, by negative temperature departures:—

Meteorological Province.	Departure from normal of	
	Pressure.	Temperature.
	"	°
Burma Coast and Bay Islands	−·017	+0·7
Burma Inland	−·029	−0·3
Assam	−·023	−0·7
Bengal and Orissa	−·015	−0·5
Gangetic Plain and Chota Nagpur	−·025	−2·1
Upper Sub-Himalayas	−·029	−2·5
Indus Valley and North-West Rajputana	−·041	−3·4
East Rajputana, Central India and Gujarat	−·030	−3·0
Deccan	−·039	−1·2
West Coast	−·007	−1·3
South India	−·029	+2·1

The deficient pressures prevailing in the Indian land areas appear to have been continued southward over a large part of the Southern Indian Ocean, for a mean monthly defect of ·010" has recorded at Seychelles. Zanzibar pressure was practically normal, but, further to the south the pressure changed to a slight excess, Mauritius reporting a mean value ·014" above the normal for the month.

The chief features, then, of the pressure during February as exemplified by the chart on Plate II are:—

(i) A general and practically unbroken deficiency in the plains varying from nearly zero in parts of the Peninsula to −·06" in the North-West Frontier Province; the map of pressure departures being very flat.

(ii) Still greater deficiencies in the hill stations of the west Himalayas; decreasing, however, eastward and southward to practically the same values as those in the plains around.

Temperature.

Temperature.—Maximum temperature has been below normal over the whole region except in the south-east of the Peninsula; in the north-west over Sind, Rajputana and the Punjab, defects of from 6° to 7° having been widespread.

Minimum temperature has differed somewhat in distribution from the maximum, especially in Bengal, where moderately high minima have been recorded in places where maxima were low.

Defects have been more marked in the hill stations of the west Himalayas and Baluchistan and at Mount Abu than in the adjacent plains, but, as in the case of pressure departures, this condition was not continued eastwards as far as Darjeeling nor was it observed in the south of the Peninsula at Wellington. Plate III shews the features of the distribution of both maximum and minimum temperatures and Plate IV those of the mean temperatures deduced therefrom.

Periods of rising and falling temperature were experienced during the passages of the several barometer depressions which travelled from Baluchistan and the Arabian Sea across northern India, and occurred therefore approximately on the following dates in Sind or the Punjab, while the temperature conditions themselves travelled eastwards at about the same rates as the depressions to which they were due:—

Temperature change approximate amount.	Dates for Sind or the Punjab.	Remarks.
+ 1	2nd	Depression 1.
− 2	3rd and 4th	
+ 6	5th and 6th	Do. 2.
−12	7th and 8th	
+ 3	12th	Do. 3.
−13	13th and 14th	
− 2	16th and 17th	Do. 4.
+ 4	20th	Do. 5.
− 8	21st and 22nd	
+ 1	25th	Small depression north of Kashmir superposed on general downward tendency.
− 5	26th and 28th	

The table following contains information regarding temperature arranged according to the 57 meteorological divisions of the empire and it will therein be seen that the daily range between day and night temperatures has been in nearly all divisions very much smaller than usual. This result might have been expected in the circumstances of the cloudy weather which has prevailed throughout the month; divisions in which the daily range has approached or passed the normal are those which the cloud departure map shews to have been unaffected to any great extent by an excess of cloudiness.

Province.	Division.	Actual temperature.					Departure from normal of month of		
		Mean maximum.	Mean minimum.	Monthly mean of mean between maximum and minimum.	Mean daily range of temperature.	Absolute range during month.	Maximum.	Minimum.	Daily range.
		°	°	°	°	°	°	°	°
Burma	Tenasserim	90·7	70·0	80·3	20·8	29·5	+0·6	+0·3	+0·3
	Lower Burma (Deltaic)	88·5	70 0	79·3	18·5	26·2	−0·5	+2·3	−2·8
	Central do.	91·2	62·1	76·6	29·1	43·7	−0·6	+3·1	−3·7
	Upper do.	84·3	59·9	72·1	24·4	39·3	−3·1	+1·9	−5·0
	Arakan	82·7	63·7	73·2	19·0	31·8	−2·1	+2·2	−4·3
Bengal and Assam	Eastern Bengal	78·5	60·1	69·4	18·4	35·1	−2·5	+2·6	−5·1
	Assam (Surma)	77·7	57·8	67·8	19·9	34·9	−3·0	+2·2	−5·2
	Do. (Hills)	60·2	45·3	52·8	15·0	28·7	...	...	...
	Do. (Brahmaputra)	73·2	55·3	64·3	17·8	31·2	−2·7	+1·0	−3·7
	Deltaic Bengal	79·1	62·3	70·7	16·8	34·1	−4·1	+2·7	−6·8
	Central do.	76·4	59·4	67·9	17·0	34 6	−4·8	+3·4	−8·2
	North do.	75·0	55·0	65·0	20·0	34·6	−2·8	+1·7	−4·5
	Bengal Hills	45·9	29·7	37·8	16·2	29·4	−0·3	−0·4	+0·1
	Orissa	83·1	66·3	74·7	16·8	32·9	−3·1	+1·7	−4·8
	Chota Nagpur	75·0	57·8	66·4	17·2	36·6	−6 5	+1·7	−8·2
	Bihar (South)	74·3	56·4	65·3	17·9	36·6	−5·7	+1·8	−7·5
	Do. (North)	73·9	54·7	64·3	19·2	35·2	−4·0	+1·8	−5·8
United Provincrs of Agra and Oudh.	United Provinces (East)	75·3	53·2	64·3	22·1	43·5	−5·1	+1·3	−6·4
	Oudh (South)	74·6	51·3	63·0	23·3	40·5	−4·2	+0·4	−4·6
	Do. (North)	72·3	51·6	62·0	20·7	34·6	−4·4	+0·9	−5·3
	United Provinces (Central)	74·8	52·7	63·8	22·1	39·9	−4·1	+0·3	−4·4
	Do. (West)	71·3	50·9	61·1	20·4	36·0	−5·3	+0·5	−5·8
	Do. (East Submontane).	71·6	53·9	62·8	17·7	31·5	−6·4	+1·3	−7·7
	Do. (West Submontane).	67·8	47·3	57·6	20·5	35·7	−4·6	−0·8	−3·8
	Do. (Hills)	46·7	34·0	40·4	12·7	37·4	−6·0	−3·8	−2·2
Punjab	Punjab (South-East)	68·1	50·4	58·6	17·7	31·6	−6·7	−1·4	−5·3
	Do. (South)	66·8	47·3	57·1	19·5	32·9	−7·8	+0·3	−8·1
	Do. (Central)	66·3	47·2	56·8	19·1	34·2	−6·4	+3·1	−9·5
	Do. (Submontane)	64·6	46·6	55·6	18·0	34·5	−4·7	+0·9	−5·6
	Do. (Hills)	39·1	22·1	30·6	17·0	41·7	−2·3	−1·2	−1·1
	Do. (West)	66·3	46·8	56·6	19·5	36·5	−5·4	+0·1	−5·5
N.-W. F. Province	North-West Frontier Province	62·1	44·8	53·6	17·3	40·3	−7·0	+1·0	−8·0
Bombay and Malabar Coast Districts (Madras).	Malabar	87·3	73·8	80·6	13·5	20·1	−0·7	+0·9	−1·6
	Madras (South Central)	94·8	69·6	82·2	25·2	35·2	+1·3	+2·0	−0·7
	Coorg	80·3	57·5	69·0	22·8	31·9	−0·9	−1·3	+0·4
	Mysore	89·8	62·2	76·0	27·7	36·7	+2·3	+0·6	+1·7
	Konkan	82·2	67·1	74·7	15·1	23·7	−3·1	−1·8	−1·3
	Bombay Deccan	89·1	58·7	73·9	30·4	43·4	−2·0	−2·1	+0·1
	Hyderabad (North)	89·0	62·7	75·9	26·3	39·0	...	...	...
	Khandesh	86·9	54·8	70·9	32·1	51·8	−2·1	−0·5	−1·6
Central Provinces and Berar.	Berar	88·5	59·6	74·1	29·0	47·5	−1·9	−0·1	−1·8
	Central Provinces (West)	84·7	57·7	71·2	27·1	48·1	−3·1	+0·4	−3·5
	Do. (Central)	81·8	57·1	69·5	24·8	44·2	−3·0	+1·5	−4·5
	Do. (East)	81·3	60·5	70·9	20·7	38·6	−4·6	+2·4	−7·0
Bombay (North)	Gujarat	81·8	57·0	69·4	24·8	40·0	−6·1	−1·2	−4·9
	Kathiawar and Cutch	78·8	57·6	68·2	21·2	38·1	−4·8	−1·6	−3·2
	Sind	73·0	52·2	62·6	20·8	34·7	−6·4	−1·4	−5·0
	Baluchistan Hills	46·1	28·6	37·4	17·5	36·7	−9·3	−2·7	−6·6
Rajputana and Central India.	Central India (East)	76·7	52·8	64·7	23·8	44·1	−4·5	+0·9	−5·4
	Rajputana (East), Central India (West)	73·5	51·2	62·4	22·2	37·5	−5·9	−0·5	−5·4
	Do. (West)	72·2	51·1	61·7	21·1	36·9	−7·7	−1·1	−6·6
Madras	East Coast (North)	84·4	71·7	78·0	12·7	24·8	−0·2	+2·5	−2·7
	Hyderabad (South)	91·4	66·1	78·6	25·3	40·5	−1·1	0	−1·1
	Madras (Central)	94·8	68·7	81·8	26·1	37·8	+0·2	+2·3	−2·1
	East Coast (Central)	90·0	72·7	81·4	17·4	34·1	+0·4	+3·5	−3·1
	Do. (South)	90·1	73·1	81·7	17·0	31·7	+2·6	+4·4	−1·8
	Madras (South)	93·2	73·7	83·3	19·5	31·7	+3·3	+2·5	+0·8

Winds.

From an inspection of Table II it will be seen that during February the following deviations from normal conditions occurred :—

Upper Sub-Himalayas.—Winds have been more northerly, and stronger than usual, but with decreased percentage steadiness.

Indus Valley.—More northerly and steadier than usual, but under the normal strength.

Kashmir (Leh, Srinagar).—More westerly, much steadier and stronger at Leh, and weaker at Srinagar than the normals.

East Himalayas.—(Katmandu, Darjeeling) more southerly and showing normal velocity and differing steadiness.

Hill Stations, Central India.—Less northerly or more westerly, above the normal velocity and on the whole with normal steadiness.

Deccan.—More westerly and considerably stronger and steadier than usual. At Belgaum the mean wind direction, however, was completely reversed, and the velocity low.

West Coast.—(Bombay, Karwar) dissimilar changes of direction, but, on the whole, more westerly and less steady than usual, though with normal velocity.

South India.—More southerly and much less steady than normal, but, on the whole, of usual strength.

Round the head of the Bay of Bengal wind strengths have been as usual, directions have varied irregularly and mean steadiness has been slightly high.

Humidity and Cloud.

Humidity and Cloud.—Both absolute and relative humidities have been in excess over the greater part of India and have been very similarly distributed.

The charts on Plate V indicate regions of defect which lay chiefly in the Peninsula in the extreme south, the north of Bombay, the west of the Central Provinces and of Central India, a part of Rajputana and small areas on the coasts of Bengal and Burma.

In the north generally, over the passage ground of the February rainstorms, humidity has been high with areas of maximum departures from normal values situate in the east Central Provinces and in west Bengal.

Hill stations in the south and central parts of the country have agreed, with neighbouring plain stations as regards departures, and except at Ranikhet and the stations of Baluchistan, this agreement is shared by the high level regions of north-west India. Ranikhet shows a deficit of absolute humidity and a less excess of relative humidity than Chakrata or Simla, and Chaman and Quetta with low absolute values shew, in consequence of abnormally low mean temperatures, high percentage humidities. No large areas of very marked departures have existed during the month, strong features of the January distribution having become modified or entirely removed.

Cloud amount has been in excess over practically the whole of India including those areas of Bombay and the south of the Peninsula where humidity has been low and rainfall wanting. The greatest mean departures occurred in Bengal and Chota Nagpur, where the excess cloud reported covered three or four-tenths of the whole sky area. For the nine following meteorological provinces the mean hygrometric conditions and cloud departures of the month are shewn in the table below :—

Meteorological Province.	Mean absolute Humidity.		Mean relative Humidity.		Mean cloud amount.	
	Average actual.	Departure from normal.	Average actual.	Departure from normal.	Average actual.	Departure from normal.
	"		%			
Burma Coast and Bay Islands.	·714	—·004	73	— 2	2·4	+0·4
Bengal and Orissa	·593	+·022	76	+ 2	4·7	+2·2
Gangetic Plain and Chota Nagpur.	·382	+·082	68	+17	5·5	+3·1
Upper Sub-Himalayas	·330	+·037	74	+12	4·9	+0·9
Indus Valley and North-West Rajputana.	·338	+·029	68	+13	4·6	+1·2
East Rajputana, Central India and Gujarat.	·264	+·021	48	+ 9	4·3	+1·7
Deccan	·326	—·001	43	+ 3	2·2	+0·7
West Coast	·586	—·058	72	— 1	1·5	+0·6
South India	·565	+·070	62	+ 5	3·3	+0·7

For extra-Indian regions the conditions of humidity and cloud are given in the following table which shows that abnormally clouded skies have been observed from India westwards to Muscat and Jask and in the south at Zanzibar and Seychelles. At the two latter stations absolute humidity also has been high, but the character of

the temperature departure there has prevented the relative humidity from deviating much from its normal values :—

Station.	Absolute humidity.			Relative humidity.			Cloud.		
	Actual.	Normal, February.	Departure from normal.	Actual.	Normal, February.	Departure from normal.	Actual.	Normal, February.	Departure from normal.
	"	"		%	%				
Trincomalee	·830	·811	+·019	86	81	+ 5	2·1	3·1	—1·0
Colombo	·837	·788	+·049	82	72	+10	4·0	2·4	+1·6
Amini Divi	·769	...	...	72	...	...	4·4	...	...
Kashgar	...	...	...	...	...	...	5·7	5·0	+0·7
Kabul	·135	...	...	91	...	...	4·6	2·8	+1·8
Meshed	·172	...	...	82	...	...	4·6	4·6	0
Ispahan	·133	·179	—·046	72	80	— 8	2·5	3·2	—0·7
Bushire	·399	·363	+·036	87	76	+11	4·0	...	...
Jask	·435	·497	—·062	75	76	— 1	6·1	2·5	+3·6
Muscat	·495	·511	—·016	71	71	0	4·3	2·4	+2·1
Baghdad	·248	·261	—·013	75	70	+ 5	4·2	2·6	+1·6
Aden	·788	·664	+·124	81	73	+ 8	3·6	4·0	—0·4
Perim	·664	·721	—·057	68	76	— 8	2·3	2·4	—0·1
Zanzibar	·918	·870	+·048	80	77	+ 3	6·9	4·6	+2·3
Seychelles	·901	·842	+·059	82	83	— 1	7·0	6·5	+0·5
Mauritius	·829	·757	+·072	81	78	+ 3	7·2	6·3	+0·9

Rainfall.

The rainfall of the month has been almost entirely due to the passage of cold weather storms of the usual winter type, either directly affecting the area in their vicinity only or, as in the case of the deep depression of the 15th to the 17th, less directly by the strong indraught of Bay winds up the Gangetic plain towards the seat of the disturbance in the North-West Frontier Province and the Punjab. As is not unusual also in February, thunder showers have occurred in the south-east of the Peninsula.

The chart on Plate VII shows the rainfall to have been well distributed over northern India as far south as latitude 22°N with the contours of its heaviest amounts crowded against the Himalayas from Murree eastwards and enclosing Chota Nagpur and most of Bengal. Large areas report a total of 5 inches and the limiting line for half an inch fall includes about two-thirds of the whole Indian area.

In Bombay and the Deccan, where good rain fell during January, and in the southern parts of Burma occur the only regions where rainfall has been wanting.

The following table gives detailed information of rainfall for the 57 meteorological divisions with notes as to its association with the several cold weather storms, etc.

Province.	Rainfall division.	Number of rainy days.		Rainfall.				Periods.	Remarks.
		Average actual.	Average normal, February.	Average actual.	Average normal, February.	Departure from normal.	Percentage departure.		
				Inches.	Inches.	Inches.	Per cent.		
Burma	Tenasserim	0	0·8	0	0·49	—0·49	—100	20th 24th	Depression 5.
	Lower Burma (Deltaic)	0	0·2	0	0·17	—0·17	—100		
	Central do.	0	0·1	0	0·05	—0·05	—100		
	Upper do.	1·3	0·4	0·46	0·19	+0·27	+142		
	Arakan	1·3	0·2	0·61	0·16	+0·45	+281		
Bengal and Assam	Eastern Bengal	4·6	1·6	2·08	0·99	+1·09	+110	5—6	
	Assam (Surma)	6·9	3·1	2·39	1·83	+0·56	+ 31		
	Do. (Hills)	6·1	2·9	3·12	1·35	+1·77	+131		
	Do. (Brahmaputra)	5·9	3·5	2·10	1·36	+0·74	+ 54		
	Deltaic Bengal	6·3	1·6	4·61	1·07	+3·54	+331	11—12	Depression 2.
	Central do.	5·3	1·4	3·82	0·72	+3·10	+431		
	North do.	3·7	1·1	1·66	0·54	+1·12	+207	15—17	Depressions 3 and 4.
	Bengal Hills	5·0	2·0	2·83	0·85	+1·98	+233		
	Orissa	5·0	1·3	3·89	0·77	+3·12	+405	18—20	
	Chota Nagpur	9·0	1·6	5·33	0·76	+4·57	+601		
	Bihar (South)	4·4	1·5	2·40	0·67	+1·73	+258	22—23	Depression 5.
	Do. (North)	4·8	1·1	2·07	0·45	+1·62	+360		

Province.	Rainfall division.	Number of rainy days.		Rainfall.				Periods.	Remarks.
		Average actual.	Average normal, February.	Average actual.	Average normal, February.	Departure from normal.	Percentage departure.		
				Inches.	Inches.	Inches.			
United Provinces of Agra and Oudh.	United Provinces (East)	4·0	1·1	1·25	0·48	+0·77	+160		
	Oudh (South)	5·2	0·9	2·10	0·39	+1·71	+438		
	Do. (North)	5·5	1·2	3·21	0·51	+2·70	+529	9	
	United Provinces (Central)	3·4	0·8	1·40	0·37	+1·03	+278		
	Do. do. (West)	3·3	1·0	2·00	0·55	+1·45	+264	14–17	Depressions 3 and 4.
	Do. do. (East Sub-montane).	5·3	1·2	2·49	0·51	+1·98	+388		
	Do. do. (West do.)	6·6	2·2	4·50	1·25	+3·25	+260	19	
	Do. do. (Hills)	7·6	4·1	6·79	2·50	+4·29	+172	22–24	Depression 5.
Punjab	Punjab (South-East)	3·8	1·3	2·16	0·55	+1·61	+292		
	Do. (South)	3·5	1·5	2·51	0·60	+1·91	+318	3	Do. 1.
	Do. (Central)	6·3	2·3	4·26	1·07	+3·19	+298		
	Do. (Submontane)	8·1	2·8	4·94	1·62	+3·32	+205	8–9	
	Do. (Hills)	12·6	4·9	7·47	3·44	+4·03	+117	14–17	Depressions 3 and 4.
	Do. (West)	5·2	1·3	2·95	0·55	+2·40	+436	18–20	
North-West Frontier Province.	North-West Frontier Province	10·0	3·0	5·43	1·47	+3·96	+269	22–23	Depression 5.
Bombay and Malabar Coast Districts (Madras).	Malabar	0·2	0·2	0·12	0·18	−0·06	− 33		
	Travancore	0·7	...	0·44	...	...	...		
	Madras (South Central)	1·0	0·5	0·61	0·30	+0·31	+103		
	Coorg	0·1	...	0·10	...	...	..		
	Mysore	0·2	0·1	0·08	0·04	+0·04	+100	27–28	
	Konkan	0·1	0·1	0·04	0·05	−0·01	− 20		
	Bombay Deccan	0	0·2	0	0·09	−0·09	−100		
	Hyderabad (North)	0·1	0·3	0·01	0·16	−0·15	− 94		
	Khandesh	0·2	0·2	0·06	0·11	−0·05	−45		
Central Provinces and Berar.	Berar	0·2	0·6	0·04	0·23	−0·19	−83		
	Central Provinces (West)	0·9	0·6	0·27	0·28	−0·01	−4	11	Depression 2.
	Do. (Central)	2·1	0·8	0·93	0·47	+0·46	+98	15–16	Depressions 3 and 4.
	Do. (East)	5·5	0·9	3·57	0·43	+3·09	+644		
Bombay (North)	Gujarat	0·7	0·2	0·23	0·11	+0·12	+109		
	Kathiawar and Cutch	1·8	0·2	0·70	0·11	+0·59	+536	7–8	Depression 2.
	Sind	4·3	0·7	2·01	0·25	+1·76	+704	13–15	Do. 4.
	Baluchistan Hills	7·6	3·8	3·91	1·59	+2·32	+146	21–22	Do. 5.
Rajputana and Central India.	Central India (East)	2·2	0·9	0·67	0·42	+0·25	+59		
	Rajputana (East), Central India (West).	2·6	0·6	0·98	0·26	+0·72	+277	8	Depression 2.
	Rajputana (West)	2·7	0·3	1·28	0·13	+1·15	+885	15–16	Do. 4.
Madras	East Coast (North)	1·8	0·6	1·06	0·47	+0·59	+126	21–22	Depression 5.
	Hyderabad (South)	0	0·4	0	0·18	−0·18	−100		
	Madras (Central)	0·1	0	0·02	0·11	−0·09	−82		
	East Coast (Central)	0·4	0·3	0·16	0·31	−0·15	−48		
	East Coast (South)	0·8	0·6	0·56	0·49	−0·07	+14	27–28	
	Madras (South)	0·5	1·1	0·31	0·74	−0·43	−58		

In the eleven provinces following rainfall has occurred as shown:—

Meteorological Province.	Rainfall.			
	Mean actual. *a*	Mean normal for February. *b*	Departure from normal. *c*	Percentage departure from normal.
	Inches.	Inches.	Inches.	
Burma Coast and Bay Islands	0·03	0·44	−0·41	− 93
Burma, Inland	0·60	0·15	+0·32*	+213
Assam	2·12	1·49	+0·63	+ 42
Bengal and Orissa	3·11	0·90	+2·24*	+249
Gangetic Plain and Chota Nagpur	2·86	0·67	+2·19	+327
Upper Sub-Himalayas	4·22	1·37	+2·95*	+215
Indus Valley and North-West Rajputana.	2·56	0·46	+2·10	+457
East Rajputana, Central India and Gujarat.	0·90	0·18	+0·56*	+311
Deccan	0·53	0·28	+0·19*	+ 68
West Coast	0·02	0·21	−0·19	− 90
South India	0·60	0·38	+0·24*	+ 63

* A reference to Table I will show that some of the stations contained in the Provinces of the above table have not yet had normal values of rainfall assigned to them. The figures, therefore, of columns *b* and *c* based on a smaller number of stations than are those of column *a*, and hence the sum of the figures in columns *b* and *c* will not in general agree with the figures in column *a*.

In extra-Indian stations in the west, Kabul, Kashgar, ispahan, Aden and Perim rainfall has been in great excess, s also in the southern Indian Ocean at Zanzibar, but the eychelles report amounts below the normal. Figures for ıese are given in the following table :—

Station.	Rainfall.			
	Actual.	Normal, February.	Departure from normal.	Percentage departure from normal.
	Inches.	Inches.	Inches.	
rincomalee	0	1·98	—1·98	—100
olombo	0·79	2·29	—1·50	—66
inicoy	0	0·35	—0·35	—1·00
mini Divi	0	0	0	0
ashgar	0·45	0·12	+0·33	+275
abul	4·35	0·98	+3·37	+344
Meshed	0·78	1·03	—0·25	—24
Ispahan	1·06	0·17	+0·89	+5·24
Bushire	1·98	2·35	—0·37	—16
Jask	1·88	0·97	+0·91	+94
Muscat	1·31	0·78	+0·53	+68
Baghdad	0·31	2·17	—1·86	— 86
Aden	1·08	0·29	+0·79	+272
Perim	1·27	0·26	+1·01	+388
Zanzibar	4·17	1·38	+2·79	+202
Seychelles	8·85	12·11	—3·26	—27
Mauritius	5·14	7·55	—2·41	— 32

Snowfall.

I.—Afghan Mountain Districts.

(1) *Kabul.*—Snow fell on the following days:—1st to rd; 7th, 12th, 14th to 16th, 20th and 21st, giving a total ıll of 3′ 8″ with a maximum on any single day of 15″ on ıe 16th.

The accumulation at the end of the month was reported ɔ be from 3′ to 4½′, and the snowfall said to have been eavier than during the previous year.

(2) *Wano.*—On the 1st there were falls of snow from ″ to 4″; on the 7th from 1″ to 5″; on the 13th from 2″ to ″ and on the 21st from 2″ to 6.″

In the result snowfall appears to have been heavier ıan is usual for February.

(3) *Kurram.*—Snow fell on Sufed Koh, the surround-ıg hills and at Parachinar on many days during the month, ıd an accumulation of 3′ to 3½′ was recorded at the close. is remarked that snowfall was greater than usual and ıat all the passes were closed.

(4) *Kohat.*—Snowfall occurred less often but in heavier nounts than usual. On the Samana range the snowfall as abnormally heavy, and amounted to 10′3″ during the onth.

(5) *Hazara.*—In the Kagan Range the total depth of ıowfall during the month varied from 3′ 11″ to 20′ 7″ and ı the Dunga Galli Range from 4′ 6″ to 10′ 5.″

II.—Kashmir and Punjab Himalayas.

(1) *Leh.*—Only half an inch of snow fell in this district ıd none was lying at the end of the month, the snowline ːing at that time at 14,000′ level.

(2) *Murree.*—In Murree there were falls on fourteen ıys amounting to 12′ 7″ and in Kahuta on four days to a ɔtal depth of 6.′

(3) *Dalhousie.*—A total of 10′, an amount considerably ore than usual, fell during fourteen days. The snowfall in outlying parts, moreover, is thought to have been double this amount. Weather was throughout cloudy.

(4) *Chamba.*—On most days of the month snow fell in this division, in the Dalhousie Range descending to 3,000.′ Accumulations at the end of the month were as follows:—

Dalhousie Range from	1′ to 11′
Chamba Range from	6″ to 5′ 6″
Bhandal Range from	6″ to 20′
Tisa Range from	6′ to 8′
Pangi Range	6½′

The Sach, Kainthli and Kalatop passes were closed. Snowfall was perhaps lighter on the whole and the weather warmer than in February of last year.

(5) *Simla, Kilba.*—Snow fell on 13 days to a total depth of 3′ 4,″ the lowest descent being 5,750.′ This total is greater than that of the corresponding month of 1905. Accumulations in the passes varied from 10′ to 15′, and all passes were closed at the end of the month.

(6) *Kangra.*—On nine days snow fell to a total depth of 3.′

III.—United Provinces Himalayas.

(1) *Almora.*—In Malla Johar there fell on 11 days 13′ of snow; in Malla Danpur on 12 days 10′ 8″; in Malla Darma on 15 days 39′; in Chandans on 15 days 27′ and in Byans on 9 days 33.′

Accumulations on February 28th were as follows:—

	′	″
Unta Dhura Range	36	0
Ralam „ „	33	0
Milam „ „	27	0
Pindari Peak	10	0
Kaphini Peak	10	0
Kantela Peak	10	0
Binkari Pass	48	0
Nirwe Pass	54	0
Lipu Lekh Pass	28	0
Lampia Pass	29	0

Notwithstanding these accumulations which are larger than those of last year, the month's snowfall is reported to have been not greater than in February 1905.

(2) *Garhwal.*—Heavy snowfall occurred on the higher peaks in the northern and southern parganas between the 8th and 24th.

IV.—ASSAM HIMALAYAS.

(1) *Lakhimpur.*—Snowfall is reported to have been heavier from December, 1905, to February, 1906, than has been known for years and the cold to have been unusually severe.

Crop Report.

Madras.—There was no rainfall up to the 10th, and irrigation supplies were locally insufficient; good rain fell, however, during the latter half of the month in Ganjam, the Nilgiris and South Arcot, and fair or light rain in places elsewhere. Irrigation supplies remained insufficient generally till the end of the month, except in Kurnool, Cuddapah, parts of the Carnatic, North Arcot, the west coast districts and the Nilgiris. Crops were mostly in fair condition and the cattle in good order. Pasture and fodder were sufficient, except in parts of the Circars, the Deccan, Salem, Coimbatore, Tinnevelly, Tanjore, Madura, South Canara and South Arcot.

Bombay.—There has been much need of rain or of more rain during the month, but general rain in Sind and slight falls elsewhere were beneficial to standing crops. Irrigated crops were fair at the end of the month, but supplies were running short, and in many of the more southern districts drinking water was difficult to obtain. Some damage was done by frost and locusts in Sind, Panch Mahals, Hyderabad and a few places elsewhere. Relief works were in operation from the first week in Belgaum, Ahmednagar, Bijapur and the southern Mahratta country. The condition of cattle steadily deteriorated during the month especially in Ahmednagar and Bijapur, and local fodder was exceedingly expensive.

Bengal.—Much rain fell during the first three weeks of the month and, though generally beneficial, did some damage to spring crops where the falls were heaviest. Water-supply and fodder were sufficient at the close and the crops generally satisfactory. Considerable damage was done locally by hail storms.

United Provinces.—Wide spread rain fell in the 2nd and 3rd weeks and was of some benefit to the crops, though too late to be of full service. Serious damage was done by hail in parts of Partabgarh and Fatehpur. Distress continued in the famine districts up to the end of the month, but on the whole cattle were in fair condition though suffering locally from lack of fodder.

Punjab.—Standing crops which were in a critical condition early in the month were reported good after the rain which fell generally in the 2nd and 3rd weeks; some damage was done by locusts at Multan and by hail in Ambala, Amritsar and Sialkot. Cattle were weak and ill-nourished at the close of the month and fodder remained scarce, except in Jullundur, Rawalpindi, Lyallpur and Multan, but water was generally sufficient.

N.-W. Frontier Province.—Good rain fell generally, and at the close of the month the standing crops were in excellent condition, prospects good and water-supply ample. Cattle were fair everywhere, except in the Indus valley of Dera Ismail Khan.

Burma.—Good reports of the standing crops were returned throughout the month.

Central Provinces.—Crop outturns were good, but some damage occurred locally by hail, rust and insects.

Eastern Bengal and Assam.—Fodder was insufficient throughout the month in parts of Bogra, Sylhet and the Khasi and Jaintia hills; the outturn of harvested winter rice was fair and prospects were reported to be fair also. All districts received rain during the month.

Mysore.—Crops were in fair condition, except in parts of Chitaldroog, and prospects fair, except locally in Tumkur. Cattle were in good condition, and water and fodder on the whole sufficient.

Hyderabad.—The late rice crop was in good condition. There was no rain throughout the month, and considerable scarcity of fodder and water was felt. Relief works were started early in the month and were in operation at its close.

Rajputana.—The area under cultivation was restricted. Fodder and water were in many parts insufficient and cattle consequently poor; but the general light rain which fell in the early part and middle of the month was of benefit to standing crops. Famine relief continued throughout the month.

Central India.—General rain was received, and at the close of the month the standing crops varied from normal in Gwalior to indifferent in Baghelkhand. Cattle were good or fair, except in Gwalior, where pasturage was bad. Relief works were in operation.

Kashmir-Jummoo.—Crops were good and fodder sufficient.

Coorg.—Water and fodder were reported to have been sufficient throughout the month.

J. H. FIELD

Table I.—Abstract of Observations taken at 8 h. at 234 Stations in India, Burma, etc., in February, 1906.

Table

Abstract of Observations taken at 8 h. at 234

Number of rainfall division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 h., in inches.								Temperature of Air.											
			Mean 8 h. pressure reduced to 32°.	Departure from normal.	Mean 8 h. pressure reduced to sea-level and to constant gravity, at 45° Lat. (See note 3.)	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 h. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	I.—Burma Coast and Bay Islands.			-·017								98·1	—0·2	68·6	+1·5	78·8	+0·7	20·4					29·8
1	Car Nicobar . .	25	29·940		29·892	30·016	4th	29·841	24th	·175	80·9	87·4		77·2		82.3		10·2	90·2	21st	71·6	11th	18·6
	Port Blair . .	61	29·915	—·012	29·907	30·017	4th	29·829	18th	·188	76·3	88·2	+0·1	73·8*	—1·1*	80·9*	—0·5*	14·4	90·1	5 days	70·9	5th	19·2
	Slipper Island . .		29·969			30·084	4th	29·890	24th	·194													
	Mergui † . .	96	29·880	—·007	29·906	30·009	4th	29·796	24th	·213	78·2	90·3	+0·7	71·9	+2·8	81·1	+1·8	18 4	96·9	2nd	65·4	2nd	31·5
	Tavoy . . .	19	29·969	—·009	29 920	30·095	4th	29·889	23rd	·206	70·0	91·9	+0·8	65·7	—1·1	78·8	—0·2	26·2	95·5	17th	58·8	14th	36·7
	Moulmein . .	94	29·871	—·022	29·905	30·008	4th	29·773	24th	·235	72·4	92·4	+0·9	68·4	+0·7	80·4	+0·8	24·0	95·0	9th, 18th & 19th.	64·4	5th	30·6
2	Rangoon . .	57	29·934	—·007	29·930	30·052	4th	29·837	24th	·215	70·9	92·8	0	68·6	+2·7	80·7	+1·4	24·2	97·1	24th	64·8	2nd	32·3
	Bassein . . .	27?	29·951	—·011	29·916	30·073	4th	29·858	24th	·215	71·6	89·5	—0·5	67·2	+2·3	78·4	+0·9	22·3	93·2	23rd & 24th.	61·0	3rd	32·2
	Diamond Island .	41	29·923	—·037	29·889	30·059	4th	29·833	24th	·226	77·6	83·2	—1·0	74·2	+1·9	78·7	+0·5	9·0	85·9	8th	71·7	3rd	14·2
5	Akyab . . .	20	29·960	—·034	29·923	30·090	4th	29·802	24th	·288	66·6	82·7	—2·1	63·7	+2·2	73·2	+0·1	19·0	87·9	9th	56·1	2nd	31·8
3	Toungoo . .	183	29·782	—·018	29·912	29·913	4th	29·684	24th	·229	68·6	90·5	—0·4	64·0	+2·9	77·3	+1·3	26·5	96·4	24th	55·6	2nd	40·8
	II.—Burma Inland.			-·029								85·3	—2·7	59·9	+2·1	72·7	—0·3	25·4					40·3
3	Thayetmyo . .	121	29·826	—·027	29·891	29·974	4th	29·731	23rd	·243	71·2	91·8	—0·8	60·1	+3·2	75·9	+1·2	31·7	97·5	24th	50·9	2nd	46·6
4	Minbu . . .	*165*	29·776	—·038	29·890	29·942	4th	29·609	24th	·333	69·9	88·8	—2·8	63·7	+2·5	76·3	—0·2	25·1	95·2	24th & 25th	55·0	1st, 2nd & 3rd.	40·2
	Yamethin . .	657	29·272	—·030	29·402	29·422	4th	29·118	25th	·304	68·3	89·4	—3·1	62·1	+1·5	75·8	—0·8	27·3	93·3	15th, 22nd & 24th.	50·2	1st	43·1
	Monywa . .	*280*	29·713		29·933	29·865	4th	29·522	24th	·343	65·8	85·7		62·2		74·0		23·5	91·8	11th	52·6	1st	39·2
	Mandalay . .	250	29 702	—·021	29·910	29·864	4th	29·492	24th	·372	68·1	88·5	—1·4	61·9	+1·8	75·2	+0·2	26·6	94·0	11th	50·7	1st	43·3
	Myitkyina . .	458	29·518		29·958	29·656	4th	29·386	24th	·270	60·5	76·1		54·8		•65·5		21·3	82·3	28th	48·1	4th	34·2
	Bhamo . . .	*381*	29·603	P	29·958	29·764	4th	29·454	24th	·310	59·7	77·0	—5·2	54·7	+1·6	65·9	—1·8	22·3	82·8	28th	47·2	2nd	35·6
4(a)	Maymyo . . .	3,545	26·453		26·398	26·602	4th	26·318	24th	·284	54·3	73·2		48·1		60·6		25·1	77·9	21st	34·6	1st	43·3
	Lashio . . .	*2,751*	27·129	—·050	27·075	27·270	4th	26·976	24th	·294	55·1	77·5	—1·5	49·3	+0·6	63·4	—0·5	28·2	84·6	17th	39·1	1st	45·5
	III.—Assam.			-·023								73·9	—2·8	55·8	+1·4	64·9	—0·7	18·2					31·8
7	Silchar . . .	104	29·910	—·023	29·973	30·052	4th	29·719	24th	·333	61·9	77·7	—3·0	57·8	+2·2	67·8	—0·4	19·9	83·4	11th	48·5	1st	34·9
9	Sibsagar . .	333	29·670	—·039	29·979	29·815	8th	29·479	24th	·336	57·2	70·6	—2·5	54·7	+1·4	62·7	—0·6	15·9	76·3	9th	48·9	1st & 27th.	27·4
	Dhubri . . .	115	29·886	—·008	29·961	30·037	4th	29·708	24th	·329	61·0	75·2	—2·8	56·5	+0·5	65·9	—1·2	18·7	81·1	6th, 9th & 10th.	51·3	2nd & 26th.	29·8
	Gauhati . . .	195	29·809		29·972	29·971	4th	29·637	24th	·334	58·6	75·9		54·0		65·0		21·9	81·6	9th	46·6	26th	35·0
	Tezpur . . .	252	29·741		29·966	29·901	4th	29·557	24th	·344	59·3	74·3		56·7		65·5		17·6	87·1	28th	51·5	2nd	35·6
	Dibrugarh . .	353	29·649		29·981	29·801	8th	29·463	24th	·338	57·5	69·9		54·8		62·4		15·1	76·1	28th	47·9	2nd	28·2
	IV.—Bengal and Orissa.			-·015								78·2	—3·5	60·4	+2·5	69·3	—0·5	17·8					34·3
6	Chittagong . .	87	29·910	—·020	29·950	30·036	4th	29·712	24th	·324	65·0	80·4	—1·9	60·7	+1·7	70·6	—0·1	19·6	85·7	7th	50·1	1st	35·6
	Noakhali . .	43	29·949		29·940	30·073	4th	29·753	24th	·320	65·9	79·1		60·2		69·7		18·9	83·6	9th & 10th.	49·6	28th	34·0
	Comilla . . .	36	29·959		29·944	30·094	4th	29·754	24th	·340	64·6	79·8		59·6		69·8		20·2	86·4	10th	50·3	1st	36·1
	Sirajganj . .	49	29·951		29·954	30·095	4th	29·773	24th	·322	62·6	76·6		58·4		67·5		18·2	85·3	10th	48·9	1st	36·4
	Narayanganj . .	26	29·985	—·003	29·960	30·121	4th	29·781	24th	·340	64·8	78·7	—3·5	62·2	+3·6	70·5	+0·1	16·5	87·1	10th	54·3	28th	32·8
	Barisal . . .	12	29·989	—·011	29·948	30·113	8th	29·787	24th	·326	68·5	79·6	—2·1	62·1	+2·4	70·9	+0·2	17·5	87·3	10th	52·2	1st & 28th.	35·1
	Mymensingh . .	63	29·950	—·006	29·966	30·095	4th	29·758	24th	·337	63·0	76·7	P	58·8	+3·2	67·8	P	17·9	84·2	9th & 10th.	50·0	28th	34·2
	Faridpur . .	46	29·962		29·959	30·096	4th	29·769	24th	·327	64·4	77·3		59·0		68·2		18·3	85·9	10th	49·5	28th	36·4
10	Jessore . . .	33	29·970	—·015	29·951	30·087	8th	29·770	24th	·317	65·3	77·7	—5·4	60·6	+3·3	69·2	—1·1	17·1	85·5	10th	49·6	1st	35·9
	Calcutta (Alipore) .	21	29·979	—·024	29·946	30·096	8th	29·779	24th	·317	66·2	79·2	—2·8	62·5	+2·1	70·8	—0·4	16·7	87·4	10th	52·9	1st	34·5
	Saugor Island . .	25	29·976	—·015	29·946	30·099	4th	29·767	24th	·332	69·2	80·3	—0·9	65·0	P	72·7	P	15·3	85·4	11th	52·9	1st & 28th.	32·5

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

* Mean of 22 days. † Observations of 27 days.

Note 1.—When a query is inserted against any reading or in the returns of any station, the data for that

Note 2.—The data from which divisional means of the figure columns Nos. 40, 42, and 44 are derived,

Note 3.—The barometric readings are not reduced to sea-level in the cases of hill or plateau

I.

Stations in India, Burma, etc., in February, 1906.

Wind Direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	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 h. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 h.	Departure from normal.	Cloud. Mean cloud amount at 8 h.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st Dec. 1905 to 28th Feby. 1906.	Normal rainfall for period, 1st Dec. to 28th February.	Departure from normal of period, 1st Dec. 1905 to 28th February 1906.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
														85	+1	·682	+·011	2·3	+0·2				0·03	0·44	−0·41					I.—Burma Coast and Bay Islands.
	3	19	1	1			1	3	N 34° E	3·6			3·6	75		·790		9·2		1			0·15			23·16			0·10	Car Nicobar.
	5	2	1				4	16	N 36° W	4·7	5·1	− 8		88	+4	·798	−·016	2·9	−0·5	0			0	0·40	− 0·40	15·01	8·04	+ 6·97	0	Port Blair.
	15	2			2	2	7		N 19° W	10·0																				Slipper Island.
19	1	5	1	1					S 53° E	3·6	2·0	+80	3·2	84	+1	·798	+·041	2·3	−1·3	0	2·80	−2·80	0	1·73	− 1·73	2·26	3·02	− 0·76	0	Mergui.†
28									Calm	1·6				89	+1	·656	−·038	1·3	−1·1	0	0·80	−0·80	0	0·65	− 0·65	0·75	0·92	− 0·17	0	Tavoy.
23	1	1	1	2					N 84° E	1·4	2·4	−42	1·6	87	+3	·689	+·013	4·2	+2·9	0	0·50	−0·50	0	0·25	− 0·25	0	0·66	− 0·66	0	Moulmein.
10	6	5					4	3	N 12° W	4·7	3·9	+21	4·3	86	+1	·619	+·016	2·8	+1·6	0	0·40	−0·40	0	0·31	− 0·31	0·02	0·52	− 0·50	0	Rangoon.
10	2				1	2	4	9	N 62° W	4·6	3·8	+21		84	−3	·681	+·012	1·7	−0·3	0	0·30	−0·30	0	0·29	− 0·29	2·71	0·56	+ 2·15	0	Bassein.
3	14	3					3	5	N 13° W	9·6	7·2	+33	9·6	73	−3?	·703	+·004	1·9	−0·4	0	0·40	−0·40	0	0·07	− 0·07	2·23	0·98	+ 1·25	0	Diamond Island.
	18	10							N 16° E	4·4	3·4	+29	4·2	90	+8	·597	+·057	2·1	+0·9	1	0·30	+0·70	0·28	0·12	+ 0·16	2·90	0·86	+ 2·02	0·28	Akyab.
14	2		1			1	1	9	N 43° W	1·3	1·9	−32	1·3	80	−4	·569	+·014	1·3	0	0	0·30	−0·30	0	0·15	− 0·15	0·33	0·40	− 0·07	0	Toungoo.
														78	+4	·504	+·061	2·8	+0·9				0·60	0·15	+0·32					II.—Burma Inland.
23			1		1		3		S 63° W	4·8	4·2	+14		69	+3	·532	+·086	1·2	+0·6	0	0·10	−0·10	0	0·04	− 0·04	1·16	0·21	+ 0·95	0	Thayetmyo.
3	2			4	1	1	4	13	N 59° W	5·6			6·7	67	+3	·500	+·056	1·4	+0·6	0	0·10	−0·10	0·04	0·03	+ 0·01	2·14	0·66	+ 1·48	0·04	Minbu.
18	3			4	3				S 45° E	3·1			3·3	72	+2	·504	+·037	2·4	+1·7	0	0·30	−0·30	0	0·38	− 0·38	0·36	0·95	− 0·59	0	Yamethin.
20	1						2	5	N 50° W	0·6				76		·487		3·7		0	0	0	0	0	0	1·26	0·15	+ 1·11	0	Monywa.
8	15				3	1		1	N 6° W	2·9			2·9	75	+6	·516	+·061	1·6	+0·5	1	0·30	+0·70	0·42	0·05	+ 0·37	2·34	0·39	+ 1·95	0·37	Mandalay.
13		5	6	3	1				N 88° E	2·6			2·6	95		·510		5·4		5			1·42			2·48			0·48	Myitkyina.
10	6	10	2						N 35° E	9·9			11·6	93	+6	·480	+·046	3·8	+1·0	7	1·10	+5·90	2·33	0·39	+ 1·94	4·51	1·53	+ 2·98	0·74	Bhamo.
21		1			1	4	1		S 45° W	3·0				82		·356		2·4		3	0·30	+2·70	0·88	0·30	+ 0·58	2·42	0·81	+ 1·61	0·40	Maymyo.
12	2	1	4	1	1	3	1	3	N 11° E	4·4				88	+6	·384	+·032	3·6	−0·8	2			0·52	0·29	+ 0·23	2·91	1·34	+ 1·57	0·34	Lashio.
														92	+2	·466	+·023	6·0	+1·9				2·12	1·49	+0·63					III.—Assam.
28									Calm	0	2·8	−100	0	89	+2	·505	+·013	4·7	+1·0	8	3·70	+4·30	3·07	2·31	+ 0·76	4·22	3·49	+ 0·73	0·68	Silchar.
17	2	3	1	2	1	1		1	N 61° E	2·3	2·2	+ 5	2·1	99	+1	·465	+·007	9·0	+3·1	7	4·90	+2·10	2·11	1·98	+ 0·13	4·40	3·86	+ 0·54	0·55	Sibsagar
1		5	11		3	7	1		S 63° E		4·0			88	+4	·477	+·050	3·9	+1·7	3	1·20	+1·80	1·27	0·48	+ 0·79	1·36	0·98	+ 0·38	0·46	Dhubri.
17		2	1	1	4	3			S 11° E	1·4			1·6	91		·449		6·0		6	1·80	+4·20	1·47	0·73	+ 0·74	2·25	1·61	+ 0·64	0·48	Gauhati.
19		6	2	1					N 63° E	2·8			3·0	89		·452		5·5		5	2·60	+2·40	1·42	0·87	+ 0·55	2·76	1·95	+ 0·81	0·44	Tezpur.
18		5	4						N 64° E	1·4			1·3	93		·445		6·6		8	6·70	+1·30	3·37	2·56	+ 0·81	5·91	4·89	+ 1·02	0·61	Dibrugarh.
														85	+4	·528	+·041	4·6	+2·3				3·11	0·90	+2·24					IV.—Bengal and Orissa.
	10	15	1	1	1				N 32° E	3·4	4·4	−23	3·1	83	−1	·523	0	3·2	+0·9	4	1·39	+2·61	1·18	0·98	+ 0·20	3·07	2·13	+ 0·94	0·53	Chittagong.
12	1	3	2	2			1	7	N 3° W	1·9			2·0	85		·547		3·9		5	1·81	+3·19	1·79	1·00	+ 0·79	3·34	1·82	+ 1·52	0·87	Noakhali.
17	4		3	3	1				N 79° E	1·8			1·5	86		·533		3·5		6	2·18	+3·82	1·99	0·97	+ 1·02	3·57	1·73	+ 1·84	0·70	Comilla.
7			1						E	0·8			0·8	88		·506		4·4		5	1·57	+3·43	2·20	0·91	+ 1·29	3·02	1·49	+ 1·53	0·85	Sirajganj.
1		4	5	3	1		1	3	N 74° E	2·7	2·6	+ 4	2·3	87	+ 3	·544	+·033	5·0	+2·0	6	2·12	+3·88	3·04	1·28	+ 1·76	4·86	1·82	+ 3·04	1·45	Narayanganj
8	2	4	1			1		2	N 18° E	1·8			1·5	84	− 1	·590	+·031	3·2	+0·8	4	1·77	+2·23	3·04	1·04	+ 2·00	3·87	2·31	+ 1·56	0·98	Barisal.
1	1	1	7	3	1	1	1	2	S 82° E	1·6			1·4	85	0	·492	+·035	8·8	?	4	1·48	+2·52	1·34	1·03	+ 0·31	1·55	1·58	− 0·03	0·72	Mymensingh.
8	2	1	1	3	2		1		S 67° E	1·9			1·6	87		·531		3·8		7	2·00	+5·00	2·30	1·32	+ 0·98	4·12	1·89	+ 2·23	0·81	Faridpur.
4	1			2			1		S 45° E	0·8	2·0	−60	0·8	86	+ 3	·544	+·042	4·6	+2·3	6	1·77	+4·23	6·22	1·16	+ 5·06	7·22	1·80	+ 5·42	2·06	Jessore.
2	7	2	3	2	4	4	1	3	N 4° W	4·3	3·8	+13		87	+ 6	·562	+·045	5·5	+3·3	8	1·61	+6·39	7·96	1·00	+ 6·96	9·74	1·54	+ 8·20	3·18	Calcutta (Alipore)
	2	11	3	1	4	5		2	S 45° E	9·0	7·9	+14		87	+ 1	·624	−·018	6·0	+2·3	4	1·74	+2·26	1·63	1·12	+ 0·51	2·57	1·66	+ 0·91	0·54	Saugor Island.

ation are not utilized in calculating the provincial departures from normal.
e incomplete.
ations, the elevations of which exceed 3,200 feet.

Table

Abstract of Observations taken at 8 h. at 234

Number of rainfall division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 h., in inches.								Temperature of air.												
			Mean 8 h. pressure reduced to 32°.	Departure from normal.	Mean 8 h. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 h. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
10	Krishnagar	47	29·944		29·943	30·075	4th	29·763	24th	·312	63·7	77·5		60·1		68·8		17·4	85·1	9th & 10th	50·9	1st	34·2
	Midnapore	146	29·841		29·843	29·952	8th	29·666	24th	·286	66·8	80·6		63·1		71·9		17·5	88·3	9th	55·1	27th	33·2
11	Bankura	298	29·668		29·946	29·786	8th	29·488	22nd	·298	64·7	77·0		61·6		69·3		15·4	87·1	9th	54·6	1st & 26th	32·5
	Raniganj	334	29·657		29·962	29·774	8th	29·458	22nd	·316	62·6	76·5		59·7		68·1		16·8	87·0	9th	51·2	26th	35·8
	Burdwan	99	29·900	—·023	29·952	30·011	8th	29·720	24th	·291	64·7	78·0	−5·3	62·0	+3·4	70·0	−1·2	16·0	85·9	10th	54·3	1st	31·6
	Naya Dumka	489	29·488		29·962	29·611	4th	29·303	22nd	·308	62·9	79·9		58·3		66·6		16·6	85·9	9th & 10th	49·5	26th	35·9
	Berhampore	67	29·930	—·024	29·949	30·055	4th	29·756	24th	·299	62·9	76·5	−5·5	59·8	+3·3	68·2	−1·1	16·7	86·8	10th	52·2	1st	34·6
	Rampur Boalia	70	29·928		29·951	30·056	4th	29·753	24th	·303	63·6	76·4		58·9		67·7		17·5	86·1	10th	50·1	1st	36·0
	Malda	72	29·904		29·932	30·036	4th	29·728	24th	·308	61·4	75·2		56·9		66·1		18·3	83·6	10th	48·6	1st	35·0
	Bogra	61	29·925	—·006?	29·941?	30·069	4th	29·749	24th	·320	61·6	77·0	−3·2	58·0	+3·5	67·5	+0·2	19·0	85·2	10th	49·7	1st	35·5
12	Dinajpur	123	29·866	—·009	29·951	30·012	4th	29·691	24th	·321	61·0	76·0	−3·4	54·7	+1·6	65·4	−0·9	21·3	83·8	7th & 9th	46·4	1st	37·4
	Rangpur	123	29·885		29·971	30·033	4th	29·720	24th	·313	60·5	75·0		55·6		65·3		19·4	81·7	7th, 9th & 10th.	48·6	26th & 27th	33·1
	Jalpaiguri	284	29·704	—·021	29·962	29·866	4th	29·537	24th	·329	58·3	74·3	−2·2	54·6	+1·3	64·5	−0·2	19·7	79·8	9th & 10th.	47·6	25th	32·3
	Cooch Behar	156	29·842		29·963	29·994	4th	29·662	24th	·332	58·9	74·2		54·9		64·6		19·3	80·3	8th	46·7	28th	33·6
17	Purnea	125	29·873	—·009	29·960	30·016	4th	29·715	24th	·301	59·5	74·6	−4·5	54·6	+3·2	64·6	−0·7	20·0	82·7	9th	46·6	1st	36·1
14	Balasore	50	29·954	—·015	29·949	30·079	4th	29·782	24th	·297	67·5	81·5	−3·9	63·6	+3·1	72·6	−1·1	17·9	90·2	10th	53·1	28th	37·3
	Angul	455	29·514		29·949	29·663	4th	29·327	23rd	·336	68·4	84·7		63·7		74·2		21·0	91·6	10th	52·1	1st	39·5
	False Point	21	29·986	—·015	29·949	30·128	4th	29·791	24th	·337	72·4	81·2	−1·6	66·9	+2·1	74·1	+0·3	14·3	84·9	10th	54·0	1st & 28th	30·9
	Cuttack	80	29·915	—·022	29·941	30·067	4th	29·716	23rd	·351	69·8	86·3	−3·8	66·9	+1·2	76·6	−1·3	19·4	94·2	10th	60·1	28th	34·3
	Puri	24	29·985		29·948	30·146	4th	29·805	23rd	·341	74·1	81·7		70·6		76·2		11·1	84·0	18th, 24th & 25th.	61·6	28th	22·4
	V.—Gangetic Plain and Chota Nagpur.			—·025								74·1	−5·2	55·0	+1·1	64·6	−2·1	19·2					36·9
15	Hazaribagh	2,007	27·932	—·028	29·969	28·045	8th	27·770	22nd	·275	60·2	71·3	−6·2	55·7	+1·2	63·8	−2·5	16·1	83·7	9th	46·2	26th	37·5
	Ranchi	2,128	27·821	?	29·981	27·944	8th	27·654	23rd	·290	59·9	72·3	−5·9	56·4	+1·6	64·4	−2·2	15·9	82·1	9th	49·0	26th	33·1
	Daltonganj	*730*	29·241		29·969	29·356	28th	29·056	22nd	·300	59·6	76·5		56·3		66·4		20·2	89·1	9th	45·5	26th	43·6
	Purulia	*816*	29·158		29·960	29·262	8th	28·985	22nd	·277	62·4	76·4		59·9		68·2		16·5	87·0	9th	52·8	1st, 26th & 27th.	34·2
	Chaibasa	*760*	29·198	—·033	29·942	29·329	4th	29·014	23rd	315	63·3	77·9	−7·3	60·7	+2·4	69·3	−2·5	17·2	86·4	9th	52·0	1st, 27th & 28th.	34·4
16	Gaya	375	29·615	—·027	29·965	29·717	8th	29·440	22nd	·277	61·0	75·3	−6·0	57·2	+1·0	66·3	−2·5	18·1	87·9	9th	50·3	26th & 27th	37·6
	Dehri	351	29·631		29·956	29·733	4th	29·473	22nd	·260	61·7	75·2		58·1		66·7		17·1	87·3	9th	53·1	2nd, 13th & 26th.	34·2
	Patna	183	29·811	—·025	29·958	29·928	8th	29·663	24th	·265	60·4	72·9	−5·3	56·2	+2·6	62·6	−1·4	16·7	82·5	9th	48·9	26th	33·6
	Arrah	190	29·805		29·959	29·922	8th	29·637	22nd	·285	58·8	73·7		54·9		64·3		18·8	83·9	9th	47·6	26th	35·3
	Buxar	239	29·753		29·962	29·859	4th	29·597	23rd	·262	59·6	74·2		55·4		64·8		18·8	87·1	9th	46·9	26th	40·2
17	Bhagalpur	160	29·838		29·958	29·958	8th	29·698	23rd & 24th	·260	63·9	74·5		57·2		65·8		17·3	83·2	9th	48·2	26th	35·0
	Darbhanga	166	29·828	—·015	29·958	29·968	8th	29·667	24th	·301	58·6	73·4	−3·4	54·7	+0·3	64·1	−1·6	18·7	81·6	9th	47·3	26th	34·3
	Muzaffarpur	178	29·825		29·969	29·950	4th	29·682	24th	·268	59·9	72·9		55·0		64·0		17·9	81·1	9th	48·0	26th & 27th	33·1
	Motihari	224	29·762		29·961	29·906	8th	29·611	24th	·295	54·9	74·3		52·5		63·4		21·8	82·8	9th	46·2	1st & 28th	36·6
	Chapra	181	29·794		29·941	29·908	8th	29·655	24th	·253	58·3	73·4		54·2		63·8		19·2	83·3	9th	47·6	1st, 26th & 28th.	35·7
18	Benares	267	29·721	—·027	29·960	29·832	28th	29·556	22nd	·276	59·4	74·6	−5·8	53·3	+1·3	64·0	−2·3	21·3	87·0	9th	44·1	1st	42·9
	Allahabad	309	29·671	—·036	29·954	29·811	28th	29·499	23rd	·312	58·6	75·9	−4·3	53·0	+1·2	64·5	−1·6	22·9	88·6	9th	44·5	1st	44·1
23	Gorakhpur	257	29·713	—·026	29·943	29·847	8th	29·558	22nd	·289	59·1	71·6	−6·4	53·9	+1·3	62·8	−2·6	17·7	79·6	9th	48·1	28th	31·5
19	Lucknow	368	29·618	—·018	29·968	29·735	4th	29·441	22nd	·294	57·8	74·6	−4·2	51·3	+0·4	63·0	−1·9	23·3	83·7	9th	43·2	1st	40·5
20	Bahraich	401	29·563	—·019	29·952	29·681	4th & 8th.	29·396	22nd	·285	55·9	72·3	−4·4	51·7	+1·0	62·0	−1·8	20·6	81·1	5th & 8th	46·5	28th	34·6
21	Cawnpore	416	29·561	—·018	29·964	29·704	28th	29·367	23rd	·337	56·8	74·4	−4·4	51·7	+0·2	63·1	−2·1	22·7	86·4	9th	43·6	1st	42·8
	Mainpuri	516	29·467	•?	29·977	29·618	28th	29·242	22nd	·376	54·5	73·0	−3·8	50·1	−0·3	61·6	−2·1	22·9	81·3	3rd & 4th	44·3	11th	37·0

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

Note 1.—When a query is inserted against any reading

Note 2.—The data from which divisional means of the

—continued.

tations in India, Burma, etc., in February, 1906—continued.

Wind Direction. Number of winds from N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	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 h. Mean humidity at 8 h.	Departure from normal.	Mean vapour tension at 8 h.	Departure from normal.	Cloud. Mean cloud amount at 8 h.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st Dec. 1905 to 28th Feb. 1906.	Normal rainfall for period, 1st Dec. to 28th February.	Departure from normal of period, 1st Dec. 1905 to 28th February 1906.	Heaviest rainfall during month.	Station.
26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
	1	1	1	1	1		5	8	N 53° W	1·1			1·3	90		·539		4·7		5	1·58	+3·42	5·13	1·10	+4·03	7·90	1·63	+ 6·27	1·83	Krishnagar.
	6	4		2	1		1	4	N 3° E	2·8			2·5	82		·540		4·3		7	1·77	+5·23	5·49	1·09	+4·40	8·22	1·84	+ 6·38	1·92	Midnapore.
	3		2	1		1	2		N	1·9			1·7	83		·507		5·2		6	1·88	+4·12	5·79	1·03	+3·76	6·99	1·50	+ 5·49	2·06	Bankura.
	1	1		1					N 45° E	1·6			1·3	84		·280		5·1		5	1·52	+3·38	4·27	1·05	+3·22	5·75	1·56	+ 4·19	1·46	Raniganj.
	6	1	1				4	5	N 31° W	1·0	2·3	−22		87	+19	·509	+·123	6·5	+4·0	7	1·58	+5·42	6·45	0·92	+5·53	9·00	1·32	+ 7·74	1·85	Burdwan.
								1	N 45° W	1·8			1·1	85		·495		5·1		6	1·62	+4·38	3·04	0·70	+2·34	4·48	1·45	+ 3·03	1·02	Naya Dumka.
	2		2		3	4	1		S 27° W	2·5	2·4	+ 4	2·1	87	+ 7	·504	+·059	5·4	+3·2	7	1·65	+5·35	3·76	0·97	+2·79	5·12	1·49	+ 3·63	1·39	Berhampore.
		1		1		1	1		S 20° W	3·3			3·1	85		·499		4·1		5	1·35	+3·65	2·70	0·84	+1·86	3·83	1·25	+ 2·58	0·97	Rampur Boalia.
		2	1	1	2	5	1	6	N 56° W	6·4			5·9	88		·485		3·8		6	1·23	+4·77	3·04	0·75	+2·29	4·75	1·67	+ 3·08	1·29	Malda.
		3				1			N 45° E	1·8			1·5	83	+ 6	·460	+·039	3·4	+1·6	5	1·52	+3·48	2·50	0·85	+1·65	3·57	1·44	+ 2·13	0·95	Bogra.
	2	3	2	1		4	4		N 63° W	2·6			2·5	83	+ 3	·446	+·053	5·3	+3·8	4	1·39	+2·61	1·64	0·37	+1·27	2·04	0·92	+ 1·12	0·60	Dinajpur.
		4	2	2	1	5	2	1	N	3·0			2·8	85		·452		4·9		3	1·15	+1·87	1·34	0·43	+0·91	1·73	1·01	+ 0·72	0·69	Rangpur.
		4	2	1	1				N 56° E	1·6			2·0	87	+ 1	·436	+·054	3·8	+2·3	2	1·00	+0·97	1·20	0·35	+0·85	1·56	0·99	+ 0·57	0·96	Jalpaiguri.
		4	3			2	1		N 56° E	1·6			1·4	87		·438		4·0		4	1·21	+2·79	1·28	0·42	+1·51	2·36	0·93	+ 1·43	0·73	Cooch Behar.
		1	3				5	3	N 45° W	0·7	2·5	−72	0·6	85	+ 1	·440	+·047	2·9	+1·4	5	1·13	+3·87	2·35	0·56	+1·79	2·65	1·13	+ 1·52	0·79	Purnea.
	6	3		1	1	5	1	5	N 40° W	3·3			2·4	83	+ 5	·563	+·037	4·9	+1·9	7	2·16	+4·84	4·34	1·20	+3·14	7·52	1·65	+ 5·87	1·23	Balasore.
			4	6	5	4	1	1	7	S 37° E	7·5			6·4	83		·589		3·4		4			2·14			4·57 ††			0·72	Angul.
	8	4	2	1	4	1	3	2	N 3° E	7·4	7·5	− 1	7·7	84	− 2	·667	0	5·4	+2·3	3	1·29	+1·71	2·60	0·95	+1·65	3·02	2·10	+0·92	1·65	False Point.
		5	3			1	1		N 68° E	2·7	2·2	+23		87	+ 9	·639	+·077	5·0	+2·6	6	1·16	+4·84	2·77	0·46	+2·31	3·13	0·89	+2·24	0·85	Cuttack.
	2	8			1	12			S 56° W	10·5			10·3	78		·666		3·4		2	1·08	+0·92	2·13	0·99	+1·11	3·34	1·90	+1·44	1·80	Puri.
																						2·86	0·67	+2·19					V.—Gangetic Plain and Chota Nagpur.
	1	1	1	3	5	8	2	4	S 31° W	6·8	6·5	+ 5	6·1	81	+10	·418	+·045	4·5	+2·2	6	1·84	+4·16	3·76	0·76	+2·99	5·91	1·44	+ 4·47	1·09	Hazaribagh.
	4	2	2	3	3	2	2	9	N 39° W	5·5			6·5	72	+15	·380	−·076	6·0	+3·4	11	2·10	+8·90	6·57	1·36	+5·21	8·56	1·74	+ 6·82	2·26	Ranchi.
	1	1	1	1		1		1	N 45° E	3·2			2·6	78	+19	·413	+·087	4·6	+3·9	8	1·30	+6·70	3·77	0·53	+3·24	4·52	1·58	+ 2·94	1·13	Daltonganj.
	1	4	1	1		1	7	10	N 45° W	3·4			4·2	89		·460		5·6		11	1·97	+9·03	6·27	1·02	+5·25	9·11	1·64	+ 7·47	2·02	Purulia.
						3	2	1	S 72° W	?			?	85		·480		4·2												
		6	1		2	3	6		N 76° W	4·6	2·6	+77	3·7	88	+19	·519	+·096	4·3	+2·2	9	1·61	+7·39	8·41	1·26	+7·15	11·08	1·50	+ 9·58	2·98	Chaibassa.‡
	1	1	5	3	5	7	4		S 11° W	5·8			5·2	82	+14	·443	+·060	5·1	+2·8	4	1·39	+2·61	2·02	0·63	+1·39	2·95	1·39	+ 1·56	0·58	Gaya.
		1	4	3	3	3	8	2	S 45° W	4·3	2·9	+48	4·9	77		·429		5·8		3	1·29	+1·71	1·08	0·52	+0·56	1·47	1·43	+ 0·04	0·43	Dehri.
	1	4		3		6	1	2	S 63° W	2·5			2·5	83	+15	·441	+·070	4·6	+2·2	6	1·16	+4·84	2·81	0·60	+2·21	3·59	1·26	+ 2·33	0·76	Patna.
		1	8	2	7	4	5	1	S 11° E	5·5			5·1	85		·428		2·7		4	1·10	+2·90	1·73	0·61	+1·12	3·05	1·62	+ 1·43	0·60	Arrah.
		4	1		3	3	4		S 45° W	2·8			2·5	77		·398		5·1		4	1·39	+2·61	1·15	0·52	+0·63	1·65	1·50	+ 0·35	0·39	Buxar.
			4	2	1	4	6	1	S 39° W	3·0	3·3	− 9	2·7	73		·436		4·8		5	1·52	+3·48	2·93	0·68	+2·25	4·89	1·30	+ 3·59	1·04	Bhagalpur.
	1		1			1	3	3	N 68° W	1·9				91	+14	·455	+·063	3·6	+2·0	5	1·23	+4·77	1·75	0·51	+1·24	1·93	1·20	+ 0·73	0·61	Darbhanga.
	1	3	2	2	1	9	3		S 34° W	5·9			5·2	87		·451		1·9		6	1·27	+4·73	2·21	0·47	+1·74	2·36	1·33	+ 1·03	0·55	Muzaffarpur.
	1	2	4		3	3	2		S 18° E	3·7			3·3	94		·410		5·2		3	1·00	+2·00	1·73	0·37	+1·37	1·76	1·10	+ 0·66	0·68	Motihari.
			3	4	1	3	2	1	S 45° E	2·1	4·1	−49	2·4	87		·431		3·3		5	1·13	+3·87	2·03	0·49	+1·54	2·75	1·32	+ 1·43	0·68	Chapra.
		5	6	1	1	2	3	2	N 67° E	3·9	4·2	− 7	3·2	82	+ 6	·420	+·042	5·0	+2·8	4	1·20	+2·80	1·40	0·46	+0·94	1·75	1·34	+ 0·41	0·43	Benares.
			2			2	5	3	N 68° W	1·2	2·3	−48		76	+ 7	·385	+·024	5·3	+2·8	2	1·00	+1·00	0·49	0·47	+0·02	0·73	1·47	− 0·74	0·16	Allahabad.
	1	1	1	2		3	2	1	S 56° W	2·2	3·3	−33	2·4	77	+ 4	·380	+·016	3·3	+1·4	6	1·36	+4·70	2·22	0·49	+1·73	2·62	1·39	+ 1·23	0·90	Gorakhpur.
	2		3	3			1	6	N 1° W	2·9			2·7	72	0	·349	+·005	4·5	+1·7	6	1·20	+4·80	2·94	0·44	+2·50	2·99	1·78	+ 1·21	1·23	Lucknow.
	3	1	3	3			2	2	N 54° E	3·2				83	+ 5	·378	+·010	4·6	+1·6	7	1·60	+5·40	4·39	1·01	+3·38	5·04	2·27	+ 2·77	1·28	Bahraich.
			3	5		2	4	3	S 20° W	1·6			1·6	74	+ 7	·344	+·010	3·1	+1·2	4	1·00	+3·00	1·63	0·48	+1·15	1·66	1·33	+ 0·33	0·40	Cawnpore.
														82	+10	·351	+·024	4·5	+0·7	4	0·76	+5·30	1·53	0·96	+0·57	1·54	2·02	− 0·39	0·61	Mainpuri.

In the returns of any station, the data for that station are not utilized in calculating the provincial departures from normal.
gure columns Nos. 40, 42 and 44 are derived, are incomplete.

‡ Wind observations of 26 days.

Tabl

Abstract of Observations taken at 8 h. at 23

Number of rainfall division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 h., in inches.								Temperature of air.												
			Mean 8 h. pressure reduced to 32°.	Departure from normal.	Mean 8 h. pressure reduced to sea-level and to constant gravity, at 45° Lat. (see note 3.)	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 h. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
												66·6	—5·3	47·4	+0·3	57·0	—2·5	19·2					34·5
	VI.—Upper Sub-Himalayas.			—·029																			
24	Bareilly . .	568	29·392	—·021	29·965	29·523	27th	29·178	22nd	·345	53·6	70·6	—4·4	50·3	+0·6	60·5	—1·9	20·3	77·8	5th & 10th.	45·1	11th & 28th	32
	Dehra Dun . .	2,233	27·678	—·034	29·993	27·819	8th	27·438	22nd	·381	48·4	64·7	—4·5	45·1	—1·9	54·9	—3·2	19·6	75·5	1st	35·0	28th	40
	Roorkee . .	899	29·018	—·020	29·980	29·185	27th	28·806	22nd	·379	51·1	68·2	—4·9	46·6	—1·1	57·4	—3·0	21·6	74·4	3rd	40·0	28th	34
22	Meerut . .	738	29·218	—·027	29·974	29·367	28th	28·964	22nd	·403	52·6	69·9	—4·6	48·4	0	59·2	—2·3	21·5	78·0	3rd	41·7	11th	36
26	Delhi . .	718	29·215	—·030	29·977	29·415	28th	29·017	22nd	·398	53·8	68·1	—6·7	50·4*	—1·4*	59·6*	—4·1*	17·7*	76·7	3rd	45·1	28th	31
28	Lahore . .	702	29·250	—·047	29·977	29·479	28th	28·891	22nd	·585	50·0	66·3	—6·4	47·2	+3·1	56·8	—1·6	19·1	74·3	2nd & 3rd.	40·1	26th & 28th.	34
27	Sirsa . .	662	29·308	—·029	29·987	29·540	28th	28·997	22nd	·543	50·8	67·4	—7·8	47·1	+0·3	57·3	—3·8	20·3	74·2	1st & 3rd.	40·5	28th	33
	Patiala . .	*818*	29·126		29·971	29·303	28th	28·841	22nd	·462	51·9	66·1		47·4		56·8		18·7	73·3	3rd	41·2	11th	32
29	Ludhiana . .	812	29·133	—·033	29·973	29·324	28th	28·803	22nd	·521	51·3	66·8	—4·4	49·4	+1·9	58·1	—1·3	17·4	81·1	2nd	42·1	11th & 28th.	39
	Sialkot . .	830	29·129	—·019	29·993	29·344	28th	28·764	22nd	·580	50·5	65·5	—4·1	46·7	+0·6	56·1	—1·8	18·8	73·5	3rd	38·1	28th	35
	Ambala . .	892	29·051	—·009	29·975	29·201	28th	28·775	22nd	·426	51·9	67·2	—4·3	47·5	—0·3	57·4	—2·3	19·7	74·5	3rd	43·3	11th	31
	Rawalpindi . .	1,674	28·251	—·049	30·020	28·467	28th	27·828	22nd	·639	45·9	58·8	—6·0	42·9	+1·5	50·8	—2·3	15·9	66·9	7th	34·5	27th & 28th.	32
												69·1	—6·4	49·1	—0·4	59·1	—3·4	20·0					36
	VII.—Indus Valley and North-West Rajputana.			—·041																			
32	Peshawar . .	1,110	28·861	—·068	30·039	29·115	28th	28·363	22nd	·752	47·1	60·0	—6·1	43·9	+1·3	52·0	—2·4	16·1	74·1	1st	33·9	27th	40
	D. I. Khan .	590	29·407	—·053	29·995	29·672	28th	28·690	22nd	·682	49·4	65·1	—6·8	45·6	+0·7	55·4	—3·1	19·5	76·3	6th	36·0	28th	40
31	Khushab . .	612	29·367	—·030	29·999	29·609	28th	28·975	22nd	·634	50·5	64·3	—4·4	46·6	+0·5	55·5	—2·0	17·7	72·8	6th	38·4	11th	34
	Montgomery .	558	29·414	—·032	29·984	29·667	28th	29·076	22nd	·591	50·5	66·8	—6·0	45·6	—0·8	56·2	—3·4	21·2	73·8	2nd & 7th.	35·0	11th	36
	Multan . .	420	29·558	—·062	29·977	29·832	28th	29·172	22nd	·660	52·5	67·9	—5·8	48·2	+0·7	58·1	—2·6	19·7	76·3	6th & 7th.	40·0	28th	36
47	Jacobabad . .	186	29·828	—·032	29·990	30·086	28th	29·533	21st	·553	54·8	70·0	—7·9	48·0	—0·5	59·0	—4·2	22·0	79·9	6th	39·6	26th	40
	Hyderabad . .	96	29·924	—·035	29·980	30·169	27th	29·615	21st	·554	57·5	74·2	—6·6	52·5	—1·9	63·4	—4·3	21·7	81·0	20th	47·0	27th	34
	Kurrachee . .	30	29·993	—·035	29·976	30·230	27th	29·651	21st	·579	59·9	74·9	—4·8	56·1	—1·9	65·5	—3·4	18·8	78·9	5th, 6th & 27th,	49·2	2nd	28
51	Bikaner . .	*771*	29·189	—·035	29·981	29·434	28th	28·897	22nd	·537	53·5	69·0	—6·9	50·3	—3·2	59·7	—5·1	18·7	80·6	2nd	45·1	28th	35
	Pachpadra . .	*380*	29·612	—·026	29·980	29·820	27th	29·345	22nd	·475	55·5	74·6	—8·4	49·8	+1·0	62·2	—3·7	24·8	83·0	1st	43·3	4th	39
	Jodhpur . .	782	29·195		30·007	29·412	28th	28·939	22nd	·473	56·6	73·0		53·1		63·1		19·9	81·6	1st	46·2	3rd	35
												77·1	—5·4	54·7	—0·5	65·9	—3·0	22·4					39
	VIII—East Rajputana, Central India and Gujarat.			—·030																			
50	Jaipur . .	1,431	28·526	—·040	29·998	28·726	28th	28·266	22nd	·460	56·5	72·5	—6·1	50·7	—1·2	61·6	—3·7	21·8	79·2	1st & 3rd	42·0	11th	37
	Kotah . .	819?	29·132		29·995	29·347	28th	28·905	22nd	·442	59·7	76·7		55·5		66·1		21·2	85·0	8th & 22nd.	49·0	28th	36
	Sambhar . .	1,254	28·698	—·036	29·997	28·912	28th	28·428	22nd	·484	52·3	72·0	—5·4	48·0	—1·7	60·0	—3·6	24·0	78·3	1st & 2nd,	40·0	11th	38
	Ajmer . .	1,611	28·352	—·043	30·017	28·568	28th	28·090	22nd	·478	54·3	71·6	—6·2	50·8	+1·4	61·2	—2·4	20·8	81·4	2nd	43·8	11th	37
	Udaipur . .	1,925	28·036		30·002	28·220	28th	27·815	22nd	·405	57·9	74·5		51·2		62·9		23·3	80·4	2nd	42·2	25th	38
46	Bhuj . .	395	27·612	—·020	29·983	29·829	27th	29·400	21st	·429	60·9	76·3	—8·0	56·8	—1·3	66·6	—4·7	19·5	88·3	1st	50·9	4th	37
	Jamnagar . .	61	29·966		29·972	30·181	27th	29·772	21st	·409	62·2	77·9		56·6		67·2		21·3	91·5	1st	49·3	3rd & 28th.	45
	Rajkot . .	429	29·575	—·021	29·978	29·763	27th	29·407	21st	·356	61·6	81·8†	—5·3†	52·8‖	—1·7‖	67·2†	—3·5	29·0	91·4	1st & 2nd,	45·0	4th	47
	Veraval . .	*18*	29·995	—·008	29·955	30·143	27th	29·845	21st	·298	65·1	77·9	—3·6	60·6	—0·1	69·3	—1·9	17·3	83·7	6th	52·3	4th	31
	Dwarka . .	37?	29·988		29·972	30·194	27th	29·792	21st	·402	68·0	75·3		62·5		68·9		12·8	80·3	7th	57·1	10th & 28th.	23
	Bhavnagar Para .	55	29·962	—·021	29·961	30·130	27th	29·809	21st	·321	63·0	83·4	—2·3	56·4	—3·4	69·8	—2·9	27·0	93·6	1st	45·5	28th	48
49	Nowgong . .	757	29·216	—·040	29·975	29·397	28th	29·012	23rd	·385	58·2	76·3	—4·0	53·3	+2·2	64·8	—0·9	23·0	89·5		45·0	28th	46
	Indore . .	1,823	28·135	—·033	29·987	28·300	28th	27·974	22nd	·326	60·2	78·8	—4·5	51·7	—0·4	65·3	—2·5	27·1	86·6	9th	40·1	25th & 28th.	46
	Neemuch . .	1,630	28·332	—·034	30·003	28·512	28th	28·133	22nd	·379	57·2	74·7	—6·5	51·7‖	—0·4‖	63·1‖	—3·5	23·0	83·0	22nd	42·3	25th	40
45	Surat . . .	39	29·967	—·022	29·953	30·109	27th	29·831	21st	·278	64·6	83·6	—6·1	60·0	+1·0	71·8	—2·6	23·6	90·1	1st	52·6	25th	37

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

* Mean of 26 days.

† Mean of 25 days.

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Note 1.—When a query is inserted against any reading

Note 2.—The data from which divisional means of the fig

—*continued.*

Stations in India, Burma, etc., in February, 1906—continued.

Wind Direction. Number of winds from N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	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 h. Mean humidity at 8 h.	Departure from normal.	Mean vapour tension at 8 h.	Departure from normal.	Cloud. Mean cloud amount at 8 h.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st Dec. 1905 to 28th Febr. 1906.	Normal rainfall for period, 1st Dec. to 28th February.	Departure from normal of period, 1st Dec. 1905 to 28th February 1906.	Heaviest rainfall during month.	Station.
26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
													83	+7	·315	+·017	5·0	+1·3				4·22	1·37	+2·95					VI.—Upper Sub-Himalayas.
		2				2	1	N 45° W	1·3	4·0	−68	1·2	87	+11	·357	+·033	4·1	+1·0	8	1·18	+6·82	3·92	0·74	+3·18	4·47	2·12	+2·35	1·36	Bareilly.
								Calm	1·4	2·0	−30		83	+ 9	·287	+·006	5·8	+2·0	9	4·10	+4·90	6·03	2·21	+3·82	7·30	5·39	+1·91	2·13	Debra Dun.
1	1		2	1			7	N 31° W	3·2	2·8	+14		85	+ 5	·325	+·017	4·8	+1·5	7	2·90	+4·10	6·42	1·32	+5·10	7·08	3·61	+3·47	3·86	Roorkee.
1	1	1				5	1	N 59° W	1·3	2·6	−50	1·3	75	+ 2	·305	+·002	4·5	+1·4	3	1·50	+1·50	3·74	0·90	+2·84	4·01	2·73	+1·28	2·85	Meerut.
1	2	4	3	1		3	6	N 5° E	4·8	3·8	+33	4·2	76	+11	·316	+·034	4·8	+1·1	4	1·40	+2·60	1·92	0·71	+1·21	1·92	2·47	−0·55	0·90	Delhi.
3	2	5	1			1	1	N 51° E	2·7	2·4	+13		90	+12	·330	+·035	5·6	+2·0	5	2·20	+2·80	2·99	1·10	+1·89	3·56	2·60	+0·96	1·15	Lahore.
1	2	3	3	1	1	2	1	S 77° E	2·1	3·4	−38	1·8	81	+ 8	·303	+·015	5·1	+1·0	3	1·10	+1·90	2·29	0·33	+1·96	2·81	1·48	+1·33	1·39	Sirsa.
									5·5			5·5	82		·318		5·0		5			5·02			6·19			1·67	Patiala.
4	1	5	8			2	5	N 63° E																					
1	4	1	7	1	2	3	4	S 60° E	2·4	1·6	+50	2·1	83	+ 5	·323	+·015	3·6	−0·9	6	2·40	+3·60	3·91	1·30	+2·61	4·43	3·92	+0·51	0·91	Ludhiana.
1	4	5	1	1		3	2	N 49° E	3·0	1·7	+77	2·6	83	+ 4	·311	+·004	4·4	+1·2	7	3·50	+3·50	5·22	1·80	+3·42	7·31	4·83	+2·48	1·74	Sialkot.
		1	8				5	S 56° E	3·0			2·7	86	+ 2	·334	+·010	5·7	+2·3	8	2·30	+5·70	4·53	2·41	+2·12	5·95	4·85	+1·10	1·34	Ambala.
1	4	2	1		1		2	N 42° E	3·2	2·4	+33	2·9	88	+ 6	·274	+·011	6·5	+2·2	10	4·40	+5·60	6·68	2·24	+4·44	10·23	5·72	+4·51	2·17	Rawalpindi.
													72	+ 8	·300	+·027	4·2	+0·8				2·56	0·46	+2·10					VII.—Indus Valley and North-West Rajputana.
1	1			1	2	1		S 66° W	0·9	3·3	−73	1·0	82	+ 6	·271	+·019	6·3	+1·8	10	2·90	+7·10	4·34	1·22	+3·12	6·88	3·15	+ 3·73	1·59	Peshawar.
1	4						6	N 10° W	‡ 1·6	2·0	−20	‡ 1·7	80	+ 9	·286	+·026	4·6	+1·3	6	2·00	+4·00	2·93	0·77	+2·16	3·95	1·44	+ 2·51	1·17	D. I. Khan.
1	10	3	1	1	3		4	N 36° E	7·6			7·3	77	+ 7	·287	+·055	4·4	+1·1	3	1·80	+1·20	3·46	0·69	+2·77	4·62	2·05	+ 2·57	2·40	Khushab.
3	3	3	2	1	2		5	N 20° E	6·0			5·6	77	+ 8	·288	+·013	4·6	+0·9	4	1·30	+2·70	1·78	0·67	+1·11	2·22	1·93	+ 0·29	0·95	Montgomery.
4	5		4	1			3	N 35° E	1·9	2·4	−21	1·7	73	+ 5	·292	−·012	4·2	+0·9	4	1·20	+2·80	1·95	0·43	+1·52	2·85	1·07	+ 1·78	1·10	Multan.
9	3	2		1	2	2	7	N 17° W	3·6	3·0	+20	3·7	69	+12	·302	+·053	3·1	0	5	0·90	+·410	2·90	0·31	+2·56	3·08	0·70	+ 2·38	1·01	Jacobabad.
11	1	1	2	2	3		6	N 17° W	5·8	7·0	−17	5·2	68	+11	·326	+·024	3·0	+0·3	4	0·60	+3·40	2·17	0·22	+1·95	2·27	0·51	+ 1·76	1·17	Hyderabad.
15	2	1				1	3	N 30° E	7·5	10·5	−29	7·4	72	+ 3	·381	−·025	4·6	+2·5	4	0·80	+3·20	1·95	0·31	+1·64	2·26	1·10	+ 1·16	0·63	Kurrachee.
1	2	3	4	5	7	3		S 4° W	6·2	3·7	+68		60	+ 7	·254	+·006	4·7	+1·4	4	0·80	+3·20	3·19	0·26	+2·93	3·24	0·82	+ 2·42	1·84	Bikaner.
2	6	4	2	4	4	1	2	S 82° E	6·4	3·3	+94	6·0	69	+16	·308	+·071	0·9	−1·9	3	0·30	+2·70	1·58	0·08	+1·50	1·58	0·58	+ 1·00	0·77	Pachpadra.
1	11	1			1	2	1	N 33° E	5·0			4·5	65		·200		5·6		4	0·50	+3·50	1·91	0·11	+1·80	1·91	0·49	+ 1·42	0·79	Jodhpur.
																													VIII.—East Rajputana, Central India and Gujarat.
													61	+	·330	0	3·9	+2·2				0·90	0·18	+0·56					
6	6	5	1	1		1	3	N 33° E	4·0	4·4	− 9		58	+ 1	·263	−·014	4·8	+1·9	2	0·50‖	+1·50	0·92	0·17	+0·75	0·92	0·96	−0·04	0·44	Jaipur.
2	1	1	1			1	5	N 21° W	2·1			1·7	50		·258		4·0		1	0·50	+0·50	0·53	0·25	+0·28	0·53	0·69	−0·16	0·27	Kotah.
3	2	3			2	1	1	N 20° E	5·0	5·3	− 6		68	+ 9	·274	+·014	5·0	+2·5	2	0·50	+1·50	0·82	0·18	+0·64	0·82	0·92	−0·10	0·39	Sambhar.
3	1		3		2	1	4	N 38° W	4·9	2·5	+96	4·3	67	+ 3?	·281	−·003	5·0	+2·7	3	0·70	+2·30	1·13	0·24	+0·89	1·13	0·95	+0·18	0·75	Ajmer.
1				1	1	1	1	W	3·2			2·8	57		·279		4·3		2	0·30	+1·70	0·76			0·76			0·49	Udaipur.
1	2			1	1	3	5	N 54° W	9·0	6·7	+34	7·6	72	+13	·394	+·010	0·6	−0·7	5	0·30	+4·65	1·74	0·09	+1·65	1·83	0·23	+1·60	0·79	Bhuj.
													72		·410		2·7		3			1·64			1·64			1·16	Jamnagar.
1	2	6		3	3	1	1	S 61° E	10·0			5·8	70	+11	·390	+·022	3·7	+2·7	1	0·30	+0·70	0·62	0·09	+0·53	0·75	0·17	+0·58	0·58	Rajkot.
4	5	3	1	1	2	4		N 23° E	8·6	6·2	+39	8·5	65	+ 6	·412	+·011	3·1	+1·9	2	0·10	+1·90	0·39	0·01	+0·38	0·42	0·10	+0·32	0·28	Veraval.
14	7		1		1	1	3	N 5° E	10·9	5·8	+88	10·9	72		·501		4·2		2			2·87			2·87			2·52	Dwarka.
5	7	3	1	1	1	3	6	N 3° E	13·3				48	?	·286	?	3·5	+2·6	1	0·20	+0·80	0·18	0·07	+0·11	0·18	0·21	−0·03	0·15	Bhavnagar Para
1	2		1		4	3	17	N 56° W	8·1			6·8	68	+ 1?	·335	0	5·7	+3·2	3	1·00	+2·00	0·84	0·48	+0·36	1·20	1·74	−0·54	0·27	Nowgong.
2	3	4	2	2		4	1	N 53° E	1·5	1·7	−12	1·5	68	+ 6	·250	−·044	4·8	+3·5	0	0·50	−0·50	0·21	0·18	+0·03	0·21	0·51	−0·30	0·06	Indore.
2	5	3	1		1	4		N 32° E	3·9	3·0	+30	3·2	46	− 1	·225	−·038	4·5	+3·2	2	0·50	+1·50	1·08	0·17	+0·91	1·08	0·66	+0·42	0·52	Neemuch.
11	7	3	1	1	1	2	1	N 20° E	7·3	9·1	−20	6·1	47	+ 3	·433	−·004	2·6	+1·5	1	0·10	+0·90	0·17	0·08	+0·09	0·17	0·14	+0·03	0·11	Surat.
9	6	4	2	2		1	2	N 32° E	5·5	5·4	+ 2	5·2	68	+ 3	·433	−·004	2·6	+1·5	1	0·10	+0·90	0·17	0·08	+0·09	0·17	0·14	+0·03	0·11	Surat.

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

columns Nos. 40, 42, and 44 are derived, are incomplete.

‡ Mean of 27 days.

Table

Abstract of Observations taken at 8 h. at 234

Number of rainfall division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 h., in inches.								Temperature of air.												
			Mean 8 h. pressure reduced to 32°.	Departure from normal.	Mean 8 h. pressure reduced to sea-level and to constant gravity, at 45° Lat. (See note 3.)	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 h. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
45	Ahmedabad	163	29·643	?	29·963	30·027	27th	29·692	21st	·335	64·0	82·5	−5·0	58·1	−2·2	70·3	−3·6	24·4	90·2	1st	52·2	28th	38
	Deesa	466	29·516	−·037	29·963	29·716	27th	29·325	22nd	·391	59·7	79·4	−7·1	52·8	−2·3	66·1	−4·7	26·6	88·8	1st	44·4	3rd	44
22	Agra	555	29·429	−·030	29·982	29·607	28th	29·202	22nd	·405	55·9	72·6	−6·0	53·3	+1·0	63·0	−2·5	19·3	81·0	3rd	45·4	28th	35
21	Jhansi	858	29·136	−·024	29·999	29·351	28th	28·922	22nd	·429	60·0	77·1	−4·1	56·4	+1·0	66·8	−1·6	20·7	91·2	9th	51·2	28th	40
	IX.—Deccan.			−·039								86·1	−2·6	59·7	+0·2	73·0	−1·2	26·4					45
38	Belgaum	2,539	27·423	−·027	29·947	27·519	1st	27·312	15th	·207	65·7	85·5	−3·1	56·4	−3·2	71·0	−3·2	29·1	90·8	22nd	49·0	13th	41
	Sholapur	1,590	28·369	−·038	29·948	28·465	28th	28·255	15th	·210	68·4	92·9	−0·8	62·0	−0·2	77·5	−0·5	30·9	97·2	22nd & 23rd.	51·6	25th	45
	Poona	1,840	28·129	−·030	29·996	28·236	27th	28·016	15th	·220	60·7	86·9	−4·4	53·6	−3·5	70·3	−4·0	33·3	93·0	22nd	45·0	25th	48
	Bijapur	*1,948*	28·006	−·022	29·935	28·110	1st	27·838	15th	·222	69·6	90·9	+0·5	62·6	−1·6	76·8	−0·6	28·3	95·4	22nd	56·6	25th	38
40	Malegaon	1,430	28·530	−·042	29·968	28·675	28th	28·404	16th	·271	63·5	86·6	−3·3	54·6	−0·8	70·6	−2·1	32·0	95·4	22nd	40·1	25th	55
	Ahmednagar	2,154	27·821	?	29·985	27·929	28th	27·700	15th	·229	61·0	87·2	−0·9	55·0	−0·1	71·1	−0·5	32·2	93·4	22nd	45·1	25th	48
41	Akola	930	29·014	−·051	29·930	29·154	28th	28·880	15th	·274	65·7	89·2	−1·5	57·7*	+0·2*	73·5*	−0·7	31·5	96·9	22nd	44·4	28th	52
	Amraoti	1,215	28·735	−·031	29·940	28·872	28th	28·616	16th	·256	67·8	87·8	−2·3	61·4	−0·3	74·6	−1·3	26·4	94·2	22nd	51·8	27th	42
42	Khandwa	1,044	28·905	−·050	29·951	29·075	28th	28·755	22nd	·320	62·7	85·3	−3·5	55·5	−0·4	70·4	−2·0	29·8	94·2	22nd	42·1	26th	50
	Hoshangabad	1,006	28·957	−·045	29·970	29·192	28th	28·761	22nd	·361	62·1	81·6	−3·8	56·2	+0·2	68·9	−1·8	25·4	91·1	22nd	45·4	25th	35
	Nagpur	1,025	28·933	−·032	29·919	29·078	28th	28·811	23rd	·267	67·2	87·4	−1·9	61·3	+1·3	74·4	−0·3	26·1	94·1	23rd	52·2	26th	41
43	Chanda	*634*	29·321	−·043	29·921	29·466	28th	29·208	15th	·258	68·9	90·2	−1·6	62·2	+3·0	76·2	+0·7	28·0	96·0	23rd	49·1	28th	40
	Seoni	2,033	27·907	−·050	29·957	28·052	28th	27·767	22nd	·285	62·6	81·4	−2·4	56·2	+0·8	68·8	−0·8	25·2	88·2	23rd	48·0	27th	40
	Jubbulpore	1,327	28·610	−·054	29·956	28·779	28th	28·441	22nd	·338	59·9	78·5	−3·9	54·6	+2·2	66·6	−0·9	23·9	89·9	9th	43·8	26th	46
	Saugor	1,807	28·139	−·036	29·974	28·307	28th	27·964	22nd	·343	60·1	77·1	−4·2	55·2	−0·2	66·2	−2·2	21·9	89·4	9th	46·1	28th	43
49	Sutna	1,040	28·911	−·044	29·966	29·068	28th	28·719	23rd	·349	59·5	76·0	−2·8	54·6	+2·3	65·7	−0·3	22·2	90·9	9th	46·2	26th	44
44	Raipur	970	28·982	−·043	29·137	29·122	4th	28·839	23rd	·283	66·1	83·4	−4·0	62·2	+1·7	72·8	−1·2	21·2	90·6	9th	52·9	1st	37
	Pendra	2,123?	27·899		29·958	28·022	28th	27·742	23rd	·280	60·5	77·6		56·4		67·0		21·2	87·8	9th	47·6	26th	40
	Sambalpur	486	29·479	−·019	29·932	29·673	4th	29·299	23rd	·370	67·3	82·8	−5·2	63·0	+3·1	72·9	−1·1	19·8	89·6	10th	51·7	1st	37
39	Aurangabad	1,905	28·055*		29·948*	28·158	28th	27·953	16th	·195	67·8	86·8		57·7		72·3		29·1	94·4	22nd	49·2	26th	45
	Indur	1,260	28·780?		30·016?	28·769	28th	28·772	1st	·017	74·3	92·3		65·5		78·9		26·8	95·8	23rd	59·1	1st	38
	Bidar	*2,165*	27·813?		29·958?	27·919	2nd	27·695	15th	·224	71·4	88·0		64·9		76·5		23·1	93·7	22nd	58·5	25th	35
53	Gulbarga	1,503	28·445	−·036	29·926	28·560	5th	28·347	15th	·213	71·5	92·4	−0·2	63·0	−1·3	77·7	−0·8	29·4	97·5	23rd	53·7	25th	47
	Raichur	1,326?	28·628	−·013	29·927	28·740	4th	28·554	14th	·186	73·3	91·8	−1·0	67·4	−0·8	79·6	−0·9	24·4	100·1	23rd	59·2	25th	40
	Hyderabad (Dn.)	1,690	28·260	−·027	29·93½	28·380	4th	28·171	15th	·209	69·5	89·0	−1·9	65·5	+2·1	77·3	+0·1	23·5	94·8	22nd	59·8	26th	35
	Hanumkonda	871	29·073?		29·909?	29·210	4th	28·959	18th	·251	73·2	91·0		68·3		79·7		22·7	96·9	22nd	59·2	25th	37
	X.—West Coast.			−·007								84·5	−2·0	70·1	−0·6	77·3	−1·3	14·4					22
37	Bombay	37	29·962	−·019	29·940	30·070	4th	29·870	16th	·200	70·0	81·0	−1·6	66·7	−2·0	73·9	−1·8	14·3	85·0	23rd	62·0	25th	23
	Ratnagiri	110	29·878	−·004	29·931	29·976	4th	29·801	15th	·175	70·2	82·1	−4·3	65·5	−1·8	73·8	−3·1	16·6	85·3	1st	60·0	12th & 25th.	25
	Mormugao	*60*	29·939	+·006	29·935	30·049	4th	29·835	15th	·214	71·7	81·9	−3·0	69·2	−2·0	75·6	−2·5	12·7	86·5	2nd	65·3	12th	21
	Goa	199	29·796	−·016	29·938	29·899	4th	29·686	15th	·213	72·0	82·4	−4·2	69·1	−1·0	75·8	−2·6	13·3	86·0	2nd	65·0	12th & 13th.	21
	Karwar	44	29·955	−·003	29·934	30·047	4th	29·879	15th	·168	67·5	83·7	−2·6	65·0	−2·3	74·4	−2·5	18·7	87·3	2nd	59·5	12th	27
33	Cochin	10	29·967	−·014	29·905	30·071	4th	29·892	15th	·179	78·4	89·5	−0·4	75·3	+1·6	82·4	+0·6	14·2	91·3	1st, 5th, & 10th.	72·7	1st, & 12th.	18
	Calicut	27	29·959	−·010	29·917	30·061	4th	29·883	15th	·178	77·0	88·1	−0·6	73·4*	+0·8*	80·8*	+0·1	14·7	88·8	7 days	68·7	21st	20
	Mangalore	65	29·933	−·004	29·931	30·029	4th	29·856	15th	·173	77·1	84·7	−3·4	71·2	−1·1	78·0	−2·3	13·5	89·7	2nd	67·5	12th, 13th, & 14th.	22
	Trivandrum	198	29·764	0	29·895	29·863	4th	29·687	18th	·176	77·7	86·7	+1·7	75·3	+2·3	81·0	+2·0	11·4	89·5	23rd	70·0	2nd	19

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

Note 1.—When a query is inserted against any reading or in the returns of any stati
Note 2.—The data from which divisional means of the figure columns Nos. 40,

* Mean of 27 days.

I—*continued.*

Stations in India, Burma, etc., in February, 1906—continued.

Wind Direction. Number of winds from Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	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 h. Mean Humidity at 8 h.	Departure from normal.	Mean vapour tension at 8 h.	Departure from normal.	Cloud. Mean cloud amount at 8 h.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st Dec. 1905 to 28th Feby. 1906.	Normal rainfall for period, 1st Dec. to 28th February.	Departure from normal of period, 1st Dec. 1905 to 28th February 1906.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
1	2	7	5	1	2		5	5	N 15° E	4·8			4·1	54	+ 4	·322	+·001	4·8	+3·4	1	0·30	+0·70	0·33	0·14	+0·19	0·39	0·24	+0·15	0·21	Ahmedabad.
3	2	12	3	1	4	2			N 68° E	8·6	9·0	− 4		54	+11	·278	+·031	4·3	+2·3	2	0·27	+1·73	1·32	0·07	+1·25	1·32	0·28	+1·04	1·01	Deesa.
3		2		15		6		2	S 28° E	4·8	4·0	+20	5·7	71	+ 6	·321	+·011	4·6	+2·2	4	0·60	+3·40	1·06	0·29	+0·77	1·11	1·11	0	0·43	Agra.
10		2	1	5	1	2	1	6	S 67° W	4·8	2·7	+78	5·9	69	+16	·358	?	1·7	0	3	0·80	+2·20	0·53	0·41	+0·12	0·53	1·27	−0·74	0·27	Jhansi.
														56	+ 2	·373	+·020	2·5	+1·1				0·53	0·28	+0·19					IX.—Deccan.
19	2	1	1	2	2			1	E	7·6	10·0	−24		62	+14	·389	+·043	2·5	+1·6	0	0·10	−0·10	0	0·03	−0·03	2·29	0·19	+2·10	0	Belgaum.
1	1	6		2	2	1	1	14	N 28° W	8·7	6·5	+34	8·6	40	0	·285	−·025	0·9	0	0	0·10	−0·10	0	0·03	−0·03	0·99	0·53	+0·46	0	Sholapur.
14			2	1	3	2	1	5	S 63° W	9·4	6·3	+49		58	+ 6	·312	−·005	1·4	+0·6	0	0·10	−0·10	0	0·06	−0·06	0·45	0·29	+0·16	0	Poona.
1	2	1		1	1	4	12	6	N 82° W	7·4			8·1	57	+ 1	·413	−·024?	1·3	+0·3	0	0·20	−0·20	0	0·07	−0·07	0·12	0·10	+0·02	0	Bijapur.
3	2					5	10	8	N 78° W	6·0	5·0	+20	6·9	40	−17	·249	?	0·2	−1·1	0	0·10	−0·10	0	0·03	−0·03	0·02	0·40	−0·38	0	Malegaon.
4	3				3		2	16	N 50° W	7·4			9·0	40	−19	·250	?	1·4	+0·5	0	0·30	−0·30	0	0·40	−0·40	0·40	0·91	−0·51	0	Ahmednagar.
5		5	2	3	2	2	7	2	S 74° W	5·3	3·8	+39	4·7	47	+ 2	·298	+·009	2·7	+1·2	0	0·30	−0·30	0·03	0·17	−0·14	0·78	1·25	−0·47	0·03	Akola.
9	1	8	4	1	1	2	2		N 63° E	4·7	3·7	+27	4·2	43	− 6	·298	?	1·8	+0·5	1	0·60	+0·40	0·15	0·21	−0·06	0·48	1·13	−0·65	0·15	Amraoti.
12	2	4	2			1	2	5	N 11° W	5·0	3·6	+39	5·0	42	− 4	·251	−·018	2·3	+1·1	0	0·30	−0·30	0	0·05	−0·05	0	0·74	−0·74	0	Khandwa.
6	1	10	6			3	2		N 58° E	3·9	2·9	+34	4·0	53	− 5	·309	−·014	3·1	+1·7	1	0·50	+0·50	0·31	0·27	+0·04	0·31	1·06	−0·75	0·29	Hoshangabad.
3	12	8	1		1		2	1	N 12° E	4·9	5·1	− 4	3·9	56	+ 4	·383	+·023	3·3	+1·5	1	0·90	+0·10	0·31	0·38	−0·07	0·52	1·29	−0·77	0·25	Nagpur.
2	7	3	3	4	3		2	4	N 27° E	4·9	2·7	+81	4·4	59	− 1	·430	+·011	2·4	+1·1	1	0·60	+0·40	0·40	0·49	−0·09	0·53	1·13	−0·60	0·32	Chanda.
5	4	6	3	2	3	1	1	3	N 43° E	5·9	2·9	+103	5·0	63	+ 1	·362	−·005?	3·5	+1·3	2	1·50	+0·50	0·69	0·88	−0·19	0·69	1·93	−1·24	0·36	Seoni.
5	4	4	1	5	3	3	1	2	S 81° E	3·2	2·5	+28	2·8	69	+ 3	·360	+·013	3·0	+0·9	4	1·10	+2·90	1·29	0·56	+0·73	2·65	1·61	+1·04	0·62	Jubbulpore.
4	4	5	3	6	1	3	1	1	N 83° E	5·5	2·8	+96	4·9	50	− 2	·264	−·016	3·6	+2·2	1	0·80	+0·20	0·56	0·41	+0·15	0·62	1·75	−1·13	0·27	Saugor.
12		3	6	1			3	3	N 47° E	2·4	4·7	−49	2·2	74	+15	·379	+·071	6·5	+4·8	4	1·50	+2·50	0·83	0·65	+0·18	1·24	2·00	−0·76	0·21	Sutna.
16	2	3		1		3	1	2	N 33° W	6·3	3·7	+70	7·6	73	+20	·474	+·119	3·8	+1·7	5	0·70	+4·30	3·01	0·35	+2·66	3·02	0·80	+2·22	1·18	Raipur.
														73		·392		4·7		6			2·70			4·42			0·75	Pendra.
12	4		1		4	3		4	N 80° W	4·1			3·5	78	+11	·533	+·075	3·9	+1·9	7	1·00	+6·00	3·55	0·51	+3·04	4·58	1·03	+3·55	1·11	Sambalpur.
	1	6	11	5	1	1	2	1	N 57° E	4·4	1·7	+159	4·3					1·9		0	0·20	−0·20	0	0·11	−0·11	1·67	0·84	+0·83	0	Aurangabad.
10	1	5	5				5	2	N 20° E	10·0			9·9	44		·311		1·5		0	0·40	−0·40	0	0·13	−0·13	0·03	0·51	−0·48	0	Indur.
13		4						11	N 24° W	4·4			3·7	54		·463		2·3		0	0·40	−0·40	0	0·18	−0·18	2·75	0·72	+2·03	0	Bidar.
	6	2	2	1	2	9	5	1	S 83° W	6·4			5·4	53		·418		0·5	−0·4	0	0·40	−0·40	0	0·29	−0·29	1·10	0·36	+0·74	0	Gulbarga.
10	2	4		1	1	4	4	2	N 68° W	9·2			8·1	57	+ 8	·448	?	2·0	+1·0	0	0·20	−0·20	0	0·24	−0·24	1·36	0·24	+1·12	0	Raichur.
2			1	10	4	7	2	2	S 1° W	8·9			8·5	55	+ 3	·459	+·021	2·2	+0·8	0			0	0·15	−0·15	3·31	0·38	+2·93	0	Hyderabad (Dn.)
28			1				2	2	N 59° W	3·1			3·0	66	− 1	·485	−·019	3·2		0	0·60	−0·60	0			0·26			0	Hanumkonda.
2	4		2	11	5		1	3	S 45° E	10·2			9·0	59		·481														
														78	+ 2	·648	−·014	1·9	+0·6				0·02	0·21	−0·19					X.—West Coast.
	7	11	4	2	2			2	N 42° E	9·8	10·7	− 8		72	+ 1	·533*	−·046	2·0	+0·8	1	0·10	+0·90	0·15	0·02	+0·13	0·15	0·18	−0·03	0·14	Bombay.
1	4	3	11	7	1			1	N 87° E	10·3	9·8	+ 5	10·2	71	+ 6	·524	−·015	1·3	+0·6	0	0·10	−0·10	0	0·03	−0·03	0·40	0·23	+0·17	0	Ratnagiri.
	1	1	7	1	14	4			S 20° E	9·3				85	+ 3	·658	−·028	2·0	+1·4	0			0	0·05	−0·05	0·60	0·05	+0·55	0	Mormugao.
	2	7	17	2					N 76° E	8·4				75	+ 1	·592	−·049	1·6	+1·0	0			0	0·06	−0·06	0·31	0·31	0	0	Goa.
1		13	13	1					N 70° E	4·4				90	+ 6	·614	+·001	1·9	+1·4	0	0	0	0	0·02	−0·02†	0·09	0·18	−0·09	0	Karwar.
	2	19	7						N 53° E	9·9				76	+ 1	·744	+·003	1·9	+0·3	0	1·70	−1·70	0	0·87	−0·87	2·25	3·07	−0·82	0	Cochin.
3	6	4	9	1				5	N 38° E	8·8			8·3	78	0	·727	−·008	1·8	−0·2	0	0·40	−0·40	0	0·15	−0·15	0·62	1·31	−0·69	0	Calicut.
3	4	8	13						N 63° E	5·6	3·5	+60		77	0	·717	+·012	2·8	+1·1	0	0·10	−0·10	0	0·03	−0·03	0	0·53	−0·53	0	Mangalore.
9	4	4	3					8	N 1° E	5·8				77	− 1	·728	+·005	1·8	−0·8	0	1·10	−1·10	0	0·64	−0·64	0·45	3·51	−3·06	0	Trivandrum.

* Mean of 27 days.

† the data for that station are not utilized in calculating the provincial departure from normal.

‡ and 44 are derived, are incomplete.

Ta

Abstract of Observations taken at 8 h. at

Number of rainfall division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 h., in inches.								Temperature of air.											
			Mean 8 h. pressure reduced to 32°.	Departure from normal.	Mean 8 h. pressure reduced to sea-level and to constant gravity, at 45° Lat. (See note 3).	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 h. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	XI.—South India	. .		−·029								90·8	+1·8	70·2	+2·5	80·5	+2·1	20·6				
57	Pamban . .	37	29·936	−·028	29·900	30·068	4th	29·837	24th	·231	82·0	87·8	+2·9	76·1	+1·2	82·0	+2·1	11·7	91·8	28th	72·2	3rd
	Tinnevelly . .	168	29·821	−·013	29·920	29·958	4th	29·704	24th	·254	80·9	96·3	+4·3	75·3	+2·6	85·8	+3·5	21·0	101·5	27th	69·9	2nd
	Madura . .	447	29·536	−·028	29·923	29·672	1st	29·423	24th	·249	79·9	94·7	+2·7	73·3	+3·8	84·0	+3·3	21·4	101·5	25th	65·6	2nd
	Periyakulam .	944	29·027		29·921	29·151	4th	28·934	18th & 24th.	·217	76·8	93·8		70·1		81·2		23·7	100·2	25th	60·9	1st
34	Salem . .	940	29·058	−·044	29·949	29·192	4th	28·968	24th	·224	77·7	96·3	+2·7	71·7	?	84·0	?	24·6	101·7	24th	64·4	2nd
	Coimbatore .	1,348	28·623	−·040	29·941	28·754	4th	28·534	18th & 24th.	·220	72·2	93·3	+1·3	67·5	+2·0	80·4	+1·7	25·8	95·9	13th & 24th.	62·8	1st
35	Mercara . .	3,781	26·273	−·012	26·206	26·368	4th	26·209	15th	·159	63·5	80·3	−0·9	57·5	−1·3	69·0	−1·1	22·8	85·0	22nd	53·1	11th
36	Chitaldroog .	2,405	27·574	−·016	29·942	27·675	4th	27·510	15th	·165	70·7	89·7	+0·4	64·5	−1·4	77·2	−0·5	25·2	93·1	14th & 22nd,	60·9	12th & 26th.
	Bangalore . .	3,021	26·989	−·027	29·956	27·093	4th	26·927	18th	·166	68·6	88·7	+2·9	62·7	+3·1	75·7	+3·0	26·0	92·8	23rd	57·4	6th & 11th.
	Hassan . .	3,091	26·930?	−·012?	29·978?	27·022	1st	26·857	15th	·165	66·4	89·8	+3·5	57·2	−0·5	73·5	+1·5	32·6	95·0	23rd	50·9	12th
	Mysore . .	2,518	27·481	−·011	29·956	27·585	4th	27·408	15th	·177	71·3	91·1	+2·3	64·2	+1·3	77·7	+1·8	26·9	95·0	22nd & 24th.	59·9	1st, 11th & 12th.
56	Negapatam .	31	29·940	−·041	29·900	30·059	4th	29·839	24th	·220	80·3	88·4	+4·0	77·1	+5·0	82·8	+4·5	11·3	93·9	26th	70·5	1st
	Cuddalore . .	37	29·946	−·030	29·914	30·075	4th	29·823	24th	·252	78·7	87·7	+2·3	73·2	+4·3	80·5	+3·3	14·5	95·7	25th	65·7	3rd
	Trichinopoly .	255	29·736	−·033	29·926	29·868	4th	29·627	24th	·241	79·1	95·2	+2·9	72·2	+3·8	83·7	+3·4	23·0	103·6	25th	65·4	2nd & 3rd.
	Pudukkottai . .	318	29·668		29·922	29·796	4th	29·560	24th	·236	78·4	94·1							100·9	24th		
	Madras . .	22	29·963	−·042	29·916	30·098	4th	29·836	24th	·262	73·4	88·1	+1·2	72·6	+4·6	80·4	+2·9	15·5	94·5	20th & 24th.	64·5	3rd
	Vellore . .	707	29·270		29·929	29·406	4th	29·163	24th	·243	76·0	91·0*		70·5†		80·9*		20·5	97·9	24th	61·2	2nd
55	Nellore . .	52	29·910	−·033	29·906	30·057	4th	29·783	24th	·274	78·0	91·0	+0·4	72·6	+3·5	81·8	+2·0	18·4	100·3	24th	66·6	3rd
	Masulipatam .	15	29·977	−·032	29·927	30·118	4th	29·817	24th	·301	79·1	89·0	?	72·7	+4·4	80·9	?	16·3	98·7	24th	64·2	10th
54	Cuddapah . .	433	29·531	−·032	29·908	29·661	4th	29·455	18th	·206	78·8	95·9	+0·8	72·5	+3·4	84·2	+2·1	23·4	102·2	23rd	64·4	8th
	Kurnool . .	923	29·036	−·006	29·920	29·164	4th	28·943	15th	·221	77·4	93·6	−0·9	66·6	+1·8	80·1	+0·5	27·0	97·2	23rd	59·5	12th
	Bellary . .	1,475	28·480	−·035	29·929	28·575	4th	28·389	15th	·186	71·7	95·0	+0·8	67·0	+1·6	81·0	+1·2	28·0	100·0	22nd & 23rd.	62·2	13th
52	Cocanada . .	26	29·965	−·032	29·927	30·116	4th	29·799	24th	·317	76·9	86·4	+0·6	72·5	+2·9	79·5	+1·8	13·9	97·1	24th	66·0	4th, 9th, & 10th.
	Waltair (Vizag.) .	*226*	29·767	−·031	29·938	29·916	4th	29·595	24th	·321	76·6	84·0	?	72·6	?	78·3	?	11·4	88·9	24th	67·9	5th
	Gopalpur .	72	29·913	−·020	29·928	30·057	4th	29·730	24th	·327	73·3	82·6	−0·9	69·9	+2·0	76·3	+0·6	12·7	85·7	10th	63·5	1st
	XII.—Bill Stati	. .																				
48	Pishin .											46·3		29·3		37·9		17·0	55·2	21st	20·0	20th, & 26th.
	Quetta . .	5,502	24·581	−·079	24·541	24·776	27th	24·267	21st	·509	32·5	44·4	−8·7	29·4	−2·3	36·9	−5·5	15·0	55·7	6th	21·8	26th
	Kalat . .										31·9	44·4	−11·5	21·6	−3·2	33·0	−7·4	22·8	58·3	5th	11·9	26th
	Chaman . .	4,311	25·675	−·048	25·637	25·898	27th	25·294	21st	·604	36·7	49·3	−7·7	34·0	−2·7	41·7	−5·2	15·3	58·3	15th & 21st.	27·1	26th
30	Leh . .	11,503	19·508	−·103	19·477	19·724	6th	19·105	22nd	·619	16·2	33·7	+2·3	13·2	+3·4	23·5	+2·9	20·5	42·6	16th	3·9	28th
	Srinagar . .	5,204	24·851	−·103	24·822	25·092	4th	24·416	22nd	·676	31·4	41·6	−0·7	28·5	+1·2	35·1	+0·3	13·1	47·0	21st	1·1	23rd
	Sonemarg . .	*8,764*	21·643		21·611	21·886	4th	21·175	22nd	·711	18·0	34·1		13·6		23·9		20·5	45·4	11th	−2·9	28th
	Astor (Kashmir) .	*7,955*	22·442		22·413	22·701	4th	21·989	22nd	·712	25·2	37·9		20·4		29·1		17·5	51·5	3rd	8·0	28th
	Minimarg* . .	*9,359*	21·216		21·184	21·439	4th	20·801	22nd	·638	18·6	36·8		11·2		24·0		25·6	64·8	8th	−6·0	28th
	Skardu . .	*7,505*	22·769		22·739	23·030	6th	22·352	22nd	·678	24·7	38·7		20·6		29·6		18·1	46·0	18th & 19th.	11·5	10th
	Dras . . .	*10,059*	20·635		20·603	20·885	4th	20·224	22nd	·661	2·9	23·9		−5·7		9·1		29·6	35·8	18th	−39·9	11th
	Gilgit . .	4,890	25·067		25·040	25·331	5th	24·608	22nd	·723	38·9	49·1	−2·2	36·5	−0·1	42·8	−1·2	12·6	54·1	10th & 19th.	29·1	23rd
32	Chitral . .	*5,486*									34·0	45·2		31·2		38·2		14·0	52·7	6th	24·6	8th, & 10th.
	Killa Drosh . .	4,700?									33·8	43·1		31·3		37·2		11·8	49·8	6th & 18th	25·1	26th
	Para Chinar .	6,000	24·352		24·319	24·561	4th	23·545	22nd	1·016	32·4	45·3		28·0		36·7		17·3	54·4	6th	17·2	26th
	Cherat . . .	*4,256*	25·673	−·056	25·641	25·868	28th	25·240	22nd	·628	39·0	46·0	−6·1	37·2	−2·9	41·6	−4·5	8·8	58·3	15th	29·0	22nd

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

Mean of 27 days.
* Mean of 26 days.

Note 1.—When a query is inserted against any reading or in the returns of a
Note 2.—The data from which divisional means of the figure columns Nos. 4
Note 3.—The barometric readings are not reduced to sea-level in the cases of hill or plateau stations the elevatio

I—*continued.*

Stations in India, Burma, etc., in February, 1906—continued.

Wind Direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	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 h. Mean humidity at 8 h.	Departure from normal.	Mean vapour tension at 8 h.	Departure from normal.	Cloud. Mean cloud amount at 8 h.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st Dec. 1905 to 28th February 1906.	Normal rainfall for period 1st Dec. to 28th February.	Departure from normal of period 1st Dec. 1905 to 28th Feb. 1906.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
														74	+1	·680	+·033	3·3	+1·1				0·60	0·38	+0·24					XI.—South India.
11	8	8	4	1	1				N 56° E	5·7			6·0	74		·795		2·4		0	0·50	−0·50	0	0·73	−0·73	6·30	12·37	−6·07	0	Pamban.
2	10	3	1				2	10	N 18° W	4·5			4·3	66	−11	·705	−·007	3·9	+1·6	0	1·80	−1·80	0·03	1·48	−1·45	1·30	6·25	−4·95	0·03	Tinnevelly.
2	2	12	5	1		1	1	4	N 39° E	5·1	5·0	+ 2	5·9	74	− 1	·759	+·072	3·8	+1·8	0	0·90	−0·90	0	0·51	−0·51	0·19	2·62	−2·43	0	Madura.
18		4	1	3			2		N 76° E	2·1			2·3	70		·647		2·8		1	1·40	−0·40	1·55	0·97	+0·58	3·56	3·16	+0·40	0·85	Periyakulam.
2		3	15		2	3	3		S 81° E	5·9	5·6	+ 5	5·2	82	+ 8	·784	P	2·9	+1·3	1	0·50	+0·50	0·28	0·33	−0·05	1·25	1·82	−0·57	0·25	Salem.
2	5	5	7	1	2	3	3		N 59° E	4·8	3·2	+50	4·4	82	− 1?	·652	−·010	3·5	+1·0	0	0·80	−0·80	0·09	0·46	−0·37	0·21	1·75	−1·54	0·09	Coimbatore.
6	6	2	2	2			1	9	N 12° W	2·0	4·0	−50	1·9	77	+ 7	·454	+·006	2·7	−0·3	0	0·30	−0·30	0	0·14	−0·14	2·60	0·67	+1·93	0	Mercara.
6	2		1	1	1	5	7	5	N 89° W	5·8			5·0	64	+13	·485	+·061	1·5	0	0	0·10	−0·10	0	0·07	−0·07	1·24	0·17	+1·07	0	Chitaldroog.
2	1		8	6	2	2	6	1	S 34° E	7·0	3·6	+94	6·2	72	+ 2	·517	+·039	3·0	+1·3	1	0·20	+0·80	0·93	0·09	+0·84	1·16	0·71	+0·45	0·88	Bangalore.
14			1	2	4	2	3	2	S 31° W	2·5			2·3	79	+12	·507	+·028	3·6	+1·2	0	0·10	−0·10	0	0·06	−0·06	0·03	0·24	−0·21	0	Hassan.
5	2	1	1	4	3	4	5	3	S 54° W	5·9			6·4	74	+ 6	·559	+·051	4·0	+1·8	0	0·30	−0·30	0	0·22	−0·22	0·51	0·39	+0·12	0	Mysore.
		6	2	5	3	4	4	4	S 3° E	12·5	3·6	+248	11·9	75	− 5	·788	+·034	4·0	−0·4	1	0·80	+0·20	0·12	0·58	−0·46	2·49	14·74	−12·25	0·12	Negapatam.
3				4	6	1	11	3	S 56° W	5·6			6·9	83	− 6	·822	+·042?	3·1	−0·4	1	0·70	+0·30	0·62	0·71	−0·09	3·48	9·70	−6·22	0·49	Cuddalore.
8	4	4	1	2		3	6		N 43° W	3·4	4·1	−17		75	− 3	·743	+·058	3·0	+0·3	2	0·50	+1·50	0·69	0·79	−0·10	2·17	3·82	−1·65	0·42	Trichinopoly.
1	9	7			3	2	1	5	N 4° W	6·3			7·4	77		·750		5·4		1			0·16			2·13			0·14	Pudukkottai.
2		1		1	10	7	7		S 35° W	5·6	5·0	+12		85	+ 3	·838	+·096	3·6	+0·9	1	0·60	+0·40	0·32	0·23	+0·09	4·77	6·77	−2·00	0·15	Madras.
22	2		1			1		2	N 18° W	3·0			3·0	80		·724		2·4		1	0·50	+0·50	2·65	0·13	+2·52	8·07	3·50	+4·57	2·65	Vellore.
4	1		1	9	8	2		3	S 17° E	7·4				80	− 5	·772	+·030	3·6	+1·1	0	0·30	−0·30	0	0·10	−0·10	7·03	2·29	+4·74	0	Nellore.
15		1	1	7	3	1			S 37° E	7·8	5·1	+53	6·9	75	−11	·745	−·003	5·0	+2·4	0	0·30	−0·30	0·06	0·22	−0·16	0·06	1·07	−1·01	0·05	Masulipatam
		1	12	7	3	2	1	2	S 63° E					66	0	·652	+·038	2·2	+1·3	0	0·20	−0·20	0	0·07	−0·07	2·45	1·37	+1·08	0	Cuddapah.
5		2		1	6	9	3	2	S 40° W	5·5				57	− 1	·486	+·008	1·7	+0·9	0	0·10	−0·10	0	0·02	−0·02	0·70	0·21	+0·49	0	Kurnool.
4	1		3	4	2	1	6	7	N 86° W	5·6	4·0	+40	4·9	54	− 2	·461	−·007	1·8	+0·3	0	0·10	−0·10	0	0·02	−0·02	0·55	0·22	+0·33	0	Bellary.
11	3	5		4			2	3	N 21° E	7·1			6·0	84	+10	·777	P	4·3	+2·1	2	0·50	+1·50	1·72	0·37	+1·35	1·72	1·28	+0·44	0·83	Cocanada.
2		7			2	2	15		N 82° W	10·6				75	+ 4	·691	+·043	4·9	+2·9	4	0·50	+3·50	3·34	0·17	+3·17	3·46	2·13	+1·33	2·36	Waltair (*Vizag.*).
1	8	1		1	2	9		6	N 67° W	14·3	9·6	+49	14·0	80	+ 2	·649	+·032	2·6	+0·2	3	0·90	+2·10	1·83	0·48	+1·35	1·91	1·35	+0·56	1·26	Gopalpur.
																														XII.—Hill Stations.
																				12	6·40	+5·60	5·44	2·86	+2·58	11·18	6·22	+4·96	0·94	Pishin.
18	1		1	4			2	2	S 45° W	2·2	4·4	−50	2·3	93	+19	·185	+·019	5·2	+1·4	9	6·40	+2·60	3·95	2·21	+1·74	8·20	5·05	+3·15	0·71	Quetta.
	4		1		20		2	1	S 8° W					80		·147				8	5·20	+2·80	4·76	1·26	+3·50	8·61	2·70	+5·91	0·93	Kalat.
8	9	4	3	2			1	1	N 27° E	7·6			8·4	87	+23	·195	+·013	4·9	+0·8	8	4·30	+3·70	3·25	1·75	+1·50	9·05	3·97	+5·08	0·99	Chaman.
23	1			1		1	2		S 79° W	2·6				57	+10	·054	+·018	7·9	+1·9	0	1·00	−1·00	0·07	0·35	−0·28	0·47	0·85	−0·38	0·05	Leh.
15		1	1	3	3	1	1	3	S	2·3			2·1	91	+ 2	·162	+·004	8·9	+1·3	9	6·40	+2·60	5·20	2·80	+2·50	10·67	7·20	+3·47	2·61	Srinagar.
																													3·88	Sonemarg.
25	1		2						N 63° E	1·6			1·5	95		·096		7·2		17			17·55			38·88				
8	2	1		1	9	6	1		S 19° W	4·1			3·7	71		·105		7·9		5			2·09			4·05			0·75	Astor (Kashmir).
9	1	1	10	4				1	S 88° E	4·3			4·6	88		·092		7·8		12			4·64			12·95			0·62	Minimarg.
17	1	2			2	2	3	1	S 85° W	3·1			3·1	80		·106		8·0		5	2·60	+2·40	1·24	1·15	+0·09	2·89	3·57	−0·68	0·36	Skardu.
28									Calm	0·5			0·4	81		·049		6·7		8	8·20	−0·20	2·37	2·57	−0·20	7·43	8·74	−1·31	0·53	Dras.
20		1	1			4	2		S 56° W	2·9			2·6	60	+ 4	·143	+·007	8·7	+2·2	2	0·90	+1·10	0·27	0·16	+0·11	0·47	0·46	+0·01	0·12	Gilgit.
20			6	2					S 72° E	1·0			0·9	77		·152		4·0		5			1·70			4·47			0·42	Chitral.
24			4						E					91		·179		6·5		4			1·18			2·03			0·45	Killa Drosh.
27	1								N	2·4			2·2	86		·159		5·0		10	4·80	+5·20	5·63	1·93	+3·70	8·92	3·35	+5·57	1·09	Para Chinar.
2	14			2	3		2	5	N 17° W	12·0			11·6	81	+21	·195	+·029	6·4	+2·0	14			7·39	3·31	+4·08	13·25	6·38	+6·87	1·78	Ch rat.

station, the data for that station are not utilized in calculating the provincial departures from normal.
42, and 44 are derived, are incomplete.
of which exceed 3,200 feet.

Table

Abstract of Observations taken at 8 h. at 234

Number of rainfall division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 h., in inches.								Temperature of air.											
			Mean 8 h. pressure reduced to 32°.	Departure from normal.	Mean 8 h. pressure reduced to sea-level and to constant gravity, at 45° Lat. (See Note 3)	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 h. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
29	Murree	6,333	23·752	—·076	23·720	23·910	5th	23·329	22nd	·581	33·8	40·7*	—7·3*	27·5	—7·0	33·9*	—7·2*	13·2*	50·0	6th	18·0	27th	32·0
	Kailang	*10,087*	20·691		20·946	21·003	6th	20·962	22nd	·041	16·5	31·1	—2·4	10 8	—2·9	21·0	—2·7	20·3	44·2	2nd	1·9	11th	42·3
	Poo											33·1		22·6		27·9		10·5	40·6	10th	12·0	26th	28·6
	Simla	7,224	23·016	—·062	22·978	23·163	8th	22·764	22nd	·399	35·4	42·5	—3·4	31·9	—3·7	37·2	—3·6	10·6	54·4	1st	22·3	27th	32·1
	Sarain		23·094			23·286	8th	22·837	22nd	·449	32·6	41·1		28·3		34·7		12·8	55·3	1st	20·7	25th	34·6
	Chakrata	7,022	23·211	—·057	23·171	23·354	4th	23·017	16th	·337	35·4	45·1	—6·1	32·6	—3·5	38·9	—4·8	12·5	64·3	1st	22·0	28th	42·3
25	Ranikhet	6,069	24·057	—·043	24·016	24·265	8th	23·837	22nd	·428	39·6	49·8	—5·8	36·8	—4·0	43·3	—4·9	13·0	64·6	1st	30·0	17th, 20th & 28th.	34·6
	Muktesar	7,600	22·766†		22·724†	22·940	8th	22·559	22nd	·381	36·4	45·1		32·6		38·9		12·5	59·0	1st	23·8	28th	35·2
13	Yatung	10,180										44·2		24·2		34·2		20·0	53·6	3rd	17·1	25th	36·5
	Darjeeling	7,376	22·965	—·020	22·920	23·126	8th	22·788	23rd	·338	39·7	47·6	—0·3	35·2	—0·4	41·4	—0·4	12·4	53·7	1st	31·5	23rd & 28th.	22·2
8	Shillong	4,920	25·176		25·128	25·312	8th	25·007	23rd	·305	49·6	61·2		42·9		52·1		18·3	68·6	11th	35·0	1st	33·6
	Cherra Poonjee	4,309	25·716		25·667	25·859	4th	25·538	23rd	·321	52·3	59·2		47·6		53·4		11·6	63·7	4 days.	40·0	28th	23·7
50	Mount Abu	3,945	26·043	—·067	25·993	26·185	28th	25·843	22nd	·342	52·5	60·1	—8·7	48·2	—5·1	54·2	—7·1	11·9	69·1	1st	42·1	27th	27·0
42	Pachmarhi	3,528	26·465	—·056	26·412	26·589	4th	26·322	22nd	·267	57·8	73·0	—2·5	50·6	—0·9	61·8	—1·7	22·4	81·6	9th	40·3	26th	41·3
34	Wellington	6,200	24·291	—·010	24·224	24·370	4th	24·234	15th	·136	59·5	73·9	+3·1	48·7	+1·6	61·3	+2·4	25·2	78·7	24th	43·2	6th	35·5
	Ootacamund	*7,322*	23·045		22·981	23·113	1st & 4th	22·997	15th	·116	54·0	67·7		44·1		55·9		23·6	71·0	24th	39·7	7th	31·3
57	Kodaikanal	7,688	22·866		22·801	22·931	4th	22·820	18th	·111	56·8	67·6		50·7		57·2		16·9	73·1	24th	47·2	3rd	25·9
	XIII.—Extra India.																						
	Trincomalee	12	29·962	—·012	29·900	30·072	4th	29·872	24th	·200	77·8	88·2	+3·2	75·6	+0·5	81·9	+1·9	12·6	91·5	25th	72·0	2nd	22·5
	Colombo	40	29·927‖	—·021	29·893	30·035	4th	29·832	18th	·203	79·7	88·2	—0·1	75·7	+2·8	82·0	+1·4	12·5	90·0	20th & 22nd.	70·5	5th	19·5
	Meshed	3,104	27·660			27·950	24th	27·270	11th	·680	35·4	45·9		30·2	+1·8	38·1		15·7	60·3	14th	15·0	2nd	45·3
	Ispahan(*b*)	*5,817*	24·173			24·440	26th	23·850	20th	·590	32·0	49·3	—4·8	28 1	—0·9	38·7	—2·9	21·2	64·3	5th	20 7	8th	43·6
	Bushire††	14	30·027	—·049	30·000	30·220	24th	29·627	20th	·593	55·9	63·6	—2·1	53·3	+0·5	58·5	—0·8	10·3	69·7	28th	48·3	2nd & 3rd.	21·4
	Bahrein	18	30·088		30·060	30·325	26th	29·725	20th	·600	63·0	65 9		57·0		61·5		8·9	69·9	17th	49·6	2nd	20·3
	Jask	13	30·068	+·016	30·038	30·262	27th	29·779	21st	·483	63·8	71·9	—3·0	60·5	—1·3	66·2	—2·2	11·4	74·3	4 days	54·3	2nd	20·0
	Muscat	20	30·031	—·023	29·999	30·240	27th	29·802	20th	·438	67·9	75·5	+2·7	65·3	—2·5	70·4	+0·1	10·2	79·4	27th	61·6	27th	17·8
	Baghdad	220	29·876	—·087	30·088	30·230	25th	29·587	20th	·643	46·9	64·9	+0·3	41·7	—0·1	53·3	+0·1	23·2	72·4	27th	32·2	1st	40·2
	Busrah	25	30·039			30·318	24th	29·673	20th	·645		61·7		51·4		56·6		10·3	66·8	5th	43·3	1st	23·5
	Aden	94	29·919	—·028	29 945	30·042	26th	29·800	14th	·242	77·9	81·9	+0·2	76·1	+2·7	79·0	+1·5	5·8	87·3	22nd & 23rd.	73·4	26th	13·9
	Perim	201	29·813	+·024	29·952	29·915	26th	29·715	13th	·200	77·0	83·8	+0·4	74·8	+0·6	79·4	+0·5	9·0	86·3	15th	72·4	17th	13·9
	Kabul		24·210‖		24·179	24·445	28th	23·781	22nd	·664	25·9	40·2	—8·1	20·7?	—2·3	30·5?	—5·2	19·5	48·7	5th	4·9	28th	43·8
	Kashgar	4,255	25·522			25·740	3rd	25·310	23rd	·430	25·8	44·5	—0·4	21·2	—1·1	32·9	—0·8	23·3	54·4	8th	16·3	3rd & 4th.	38·1
	Amini Divi	13									81·3	86·9	+1·6	76·3	+0·2	81·6	+0·9	10·6	90·6	18th	69·0	14th	21·6
	Minicoy	7	29·984		29·917	30·076	4th	29·909	15th	·167	82·5	86·6	+0·2						87·6	9th			
	Zanzibar	72	29·907	—·002	29·906	30·020	6th	29·801	18th	·219	83·0	87·7	+0·6	80·3	—0·1	84·0	+0·3	7·4	91·6	17th	75·6	10th	16·0
	Do. Durga	*154*	29·814		29·925	29·912	8th	29·791	14th	·121	80·4	89·8		74·5		82·2		15·3	93·4	26th	71·5	7th	21·9
	Penang (*a*)	20	29·929		29·873	29·956	4th	29·896	16th	·060	82·0	91·3		75·5		83·4		15·8	93·0	9th, 20th & 24th.	74·0	12th	19·0
	Singapore (*a*)	10	29·963		29·894	30·012	3rd	29·902	24th	·110	83·1	89·3		73·9		81·6		15·4	92·2	8th	70·9	8th	21·3

(*a*) 9 hours' observations.
(*b*) Aneroid uncorrected.

* Mean of 21 days.
† ,, 22 ,,
‖ Aneroid corrected.

†† Mean of 27 days.

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

I—*concluded.*

Stations in India, Burma, etc., in February, 1906—concluded.

Wind Direction. Number of winds from										Wind Velocity.				Hygrometry, 8 h.				Cloud.		Rainfall.									Heaviest rainfall during month.	Station.
Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	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 h.	Departure from normal.	Mean vapour tension at 8 h.	Departure from normal.	Mean cloud amount at 8 h.	Departure from normal.	Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st Dec. 1905 to 28th Feby. 1906.	Normal rainfall for period, 1st Dec. to 28th February.	Departure from normal of period, 1st Dec., 1905, to 28th Feby., 1906.		
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
9			1	4	12	1	1		S 8° E	6·5	8·2	−21	7·0	79	+15	·151	+·007	6·2	+1·4	20	2·70	+17·30	16·70	3·81	+12·86	29·68	8·65	+21·03	4·25	Murree.
	2		2	5	3	6	9	1	S 45° W	0·2				66		·069		1·1		10			4·59	3·02	+1·57		7·02		1·28	Kailang.
19			1	3	3	1	1		S 9° E									6·9		8			3·01	3·93			8·18		0·75	Poo.
8	3			4	11			2	S 9° E	4·6	2·5	+ 84	4·4	70	+14	·145	+·014	6·5	+2·0	16	4·00	+12·00	7·45	3·00	+4·45	11·25	6·94	+ 4·31	1·41	Simla.
24	1		1		2				S 45° E	1·2			1·2	86		·160		6·8		15			16·17			23·10			7·26	Sarain.
9	18				1				N	5·4	5·4	0	6·5	77	+13	·158	+·009	5·1	+1·5	12	5·60	+6·40	10·13	4·20	+5·93	15·19	9·09	+ 6·10	2·25	Chakrata.
15	2	4	1	2		3		1	N 49° E	2·3	2·0	+15	2·6	74	+ 8	·181	−·014	4·9	+1·0	7	4·50	+2·50	5·78	2·16	+3·62	8·23	5·66	+ 2·57	2·23	Ranikhet.
1	1	3	4	4	2	2	3	1	S 63° E	8·5			8·0	81		·171		6·0		9			7·42			10·22			1·89	Muktesar.
8		2	4	4		6	4		S	6·1	5·1	+20	5·6	83	− 1	·205	−·006	6·0	+1·2	7	2·17	+4·83	2·67	0·62	+2·05	3·90	1·69	+ 2·21	1·05	Yatung.
21			1		5	1			S 42° W	1·7			1·9	70		·250		4·6		4	2·52	+1·48	2·80	1·01	+1·79	4·07	1·95	+ 2·12	1·66	Darjeeling.
13		3			4	7	1		W	7·6			6·7	75		·298		4·6		5	1·90	+3·10	2·65	0·79	+1·86	2·91	1·60	+ 1·31	0·62	Shillong.
3	4	5	1	2	1	6	4	2	N 59° W	7·9	5·6	+41	8·0	44	+ 2	·175	−·031	5·2	+3·2	9	3·10	+5·90	6·52	2·08	+4·44	8·12	3·12	+ 5·00	2·18	Cherra Poonjee.
8	1	1	3	3		7	3	2	S 42° W	5·8	3·8	+53	6·0	57	+ 6	·282	−·013	3·5	+1·3	4	0·50	+3·50	2·24	0·29	+1·95	2·28	0·83	+ 1·45	1·60	Mount Abu.
27				1					S 45° E	2·0	2·7	−26		69	+ 5	·361	+·047	2·1	+0·2	2	1·00	+1·00	0·60	0·47	+0·13	0·62	1·59	− 0·97	0·35	Pachmarhi.
5			7	5	1				S 66° E	5·0			4·7	51		·214		2·1		1	1·90	−0·90	2·43	1·52	+0·91	8·65	6·26	+ 2·39	2·39	Wellington.
1	6	4		3	6	1		7	N 11° W	5·4				60		·279		2·3		4	2·30	+1·70	3·37	1·48	+1·89	7·49	8·22	− 0·73	2·46	Kodaikanal.
																														XIII.—Extra India.
	1				7				S 45° W	1·3				86	+ 5	·830	+·019	2·1	−1·0	0			0	1·98	−1·98	8·40	23·26	−14·86	0	Trincomalee.
1	12	3	4	1	1	5	1		N 53° E	6·7§	6·2	+ 8		82	+10	·837	+·049	4·0	+1·6	2			0·79 **	2·29	−1·50	7·59	12·28	− 4·69	0·59 **	Colombo.
														82		·172		4·6		2			0·78	1·03	−0·25	2·81	2·14	+ 0·67	0·40	Meshed.
1						2			N 63° W	2·2			2·9	72		·133		2·5		3			1·06	0·17	+0·89	3·17	0·97	+2·20	0·42	Ispahan.
2	5	3	6	2	2		3		E	10·7			11·8	87	+11	·399	+·036	4·0		6			1·98	2·35	−0·37	6·99	8·71	− 1·72	0·97	Bushire.
2			6	4	1	6	8		S 83° W	9·2			7·9	76		·435		2·8		3			1·22			2·29			0·64	Bahrein.
1	15						4		N 28° E	8·5			7·3	75	− 1	·425	−·062	6·1	+3·6	4			1·88	0·97	+0·91	6·50	2·62	+ 3·88	0·79	Jask.
		2				11			N 45° W	5·1			5·3	71	0	·495	−·016	4·5	+2·1	5			1·31	0·78	+0·53	2·00	2·32	− 0·32	0·38	Muscat.
3		2	2	3		2	1		S 45° E	3·2			4·3	75		·248		4·2		1			0·31	2·17	−1·86	1·43	5·19	− 3·76	0·12	Baghdad.
16				7		1			N 6° W											2			1·35			4·36			0·91	Busrah.
1	11	7	5		1			1	N 73° E	6·9§	12·9	−47	5·6	83	+ 7	·782	+·107	5·6	−0·8	4	1·29	− 8·9	1·08	0·29	+0·79	1·11	0·98	+0·13	0·60	Aden.
		19	1			2	6		N 74° E	22·8			23·0	78		·722		4·6		4			1·27	0·26	+1·01	1·58	0·68	+0·90	0·43	Perim.
	12	8		3	1		4		N 58° E					91		·135		4·6	+1·8	10			1·35 **	0·98	+3·37	6·34	2·51	+3·83	1·05 **	Kabul.
		3				1	6		N 27° W	1·1			1·0					5·7		1			0·45	0·12	+0·33	0·48	0·58	−0·10	0·49	Kashgar.
9	3						6		N 8° W					72		·769		4·4		0			0			0·01			0	Amini Divi.
2	4	1					1		N 7° E	4·6			5·0	70		·776		2·8		0			0	0·35	−0·35	0·70	7·10	− 6·40	0	Minicoy.
5	6	2	5	2	1	1	3		N 50° E	5·3			4·9	81		·920		6·6		9			4·17	1·38	+2·79	16·44	7·52	+8·92	1·60	Zanzibar.‡‡
1	2	2					2		N 27° E	4·4			4·3	87		·898		6·9		10			5·80			18·11			1·65	Do. Dunga.
5	3	4		2			14		N 31° W	10·5								0		7			3·54			16·21			1·12	Penang.
1	13	8	2	1			3		N 61° E	5·3								3·1		9			5·99			33·19			1·83	Singapore.

‡ Wind directions of 21 days.

§ Mean of 27 days.
‡‡ Wind variable 1.
** Snow water.

TABLE II.—Abstract of Observations recorded at 10 h. and 16 h. at 63 Stations in India, Burma, etc., in February, 1906.

Tabl

Abstract of Observations recorded at 10 h. and 16 h.

Meteorological Province.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure.						Temperature of air.										Temperature, Wet-bulb.			
			Mean of 10 h.	Mean of 16 h.	Mean daily range.	Mean of daily mean pressures.	Departure from normal.	Mean reduced to S. L. and gravity, 45° Lat.	Mean maximum.	Mean minimum.	Mean daily range.	Highest maximum.	Lowest minimum.	Absolute range.	Mean 10 h.	Mean 16 h.	Mean of daily means.	Departure from normal.	Mean minimum.	Mean 10 h.	Mean 16 h.	Mean of three pre-
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	2
Burma Coast and Bay Islands.	Port Blair	61	29·940	29·835	·105	29·886	−·006	29·877	88·0	73·9§	14·1	99·3	71·0	19·3	82·8	86·6	80·0§	−0·6	71·6	76·3	77·6	7
	Rangoon	57	·953	·821	·132	·883	−·009	·878	92·8	68·6	24·2	97·1	61·9	32·2	82·1	90·7	78·6	+1·3	66·6	71·5	71·8	7
	Diamond Island	41	·954	·848	·106	·899	−·032	·875	83·1	74·1	9·0	85·9	71·7	14·2	80·5	80·9	78·2	+0·3	68·7	73·1	73·0	7
	Cocos Island	119	·880	·779	·101	·828		·880	85·0	75·1	9·9	88·8	72·6	16·2	80·5	82·0	79·2		69·3	72·7	73·4	7
	Akyab	20	·997	·881	·116	·930	−·023	·893	82·8	63·9	18·9	87·9	56·1	31·8	74·4	80·6	72·9	+0·1		68·5	71·1	
Bengal and Orissa.	Chittagong	87	·940	·827	·113	·878	−·021	·915	80·4	60·8	19·6	85·4	50·2	35·2	72·9	78·2	70·3	−0·1	57·6	65·8	67·2	6
	Calcutta (Alipore)	21	30·009	·890	·119	·942	−·015	·908	79·0	62·7	16·3	87·4	53·1	34·3	72·3	77·7	70·0	−0·3	61·3	65·7	67·5	6
	Saugor Island	25	29·997	·887	·110	·928	−·018	·899	80·5	65·4	15·1	85·7	52·7	32·9	74·7	77·4	71·7	−0·4	62·5	68·3	70·4	6
	False Point	21	30·007	·893	·114	·936	−·024	·899	81·2	66·8	14·4	84·9	54·0	30·9	78·0	78·5	72·7	+0·2	65·4	70·6	71·0	6
Gangetic Plain and Chota Nagpur.	Hazaribagh	2,007	27·954	27·863	·091	27·901	−·031	·906	71·7	55·7	16·0	83·5	46·2	37·3	65·6	69·3	63·2	−2·6	52·9	57·5	58·7	5
	Allahabad	309	29·708	29·588	·120	29·637	−·031	·910	75·8	53·5	22·3	88·6	44·7	43·9	67·3	74·3	63·6	−1·3	51·7	58·3	60·6	5
Upper Sub-Himalayas.	Dehra Dun	2,233	27·718	27·638	·080	27·671	−·032	·951	64·3	45·7	18·6	73·2	35·1	38·1	56·1	61·7	54·5	−3·1	43·8	50·2	52·0	4
	Roorkee	899	29·076	28·991	·085	29·027	−·024	·935	67·7	47·4	20·3	74·3	40·0	34·3	58·9	65·4	56·2	−2·8	46·2	54·0	57·3	5
	Lahore	702	·276	29·195	·081	·226	−·055	·935	66·0	47·9	18·1	74·4	39·9	34·5	57·5	63·4	55·8	−1·5	46·6	53·9	56·4	5
	Ludhiana	812	·144	·071	·073	·099	−·057	·919	66·5	49·2	17·3	75·1	41·7	33·4	59·2	65·3	56·6	−1·5	47·5	53·4	54·8	5
Indus Valley and N.-W. Rajputana.	Peshawar	1,110	28·891	28·821	·070	28·847	−·055	30·004	59·5	43·8	15·7	69·0	33·9	35·1	53·9	57·9	50·6	−2·7	41·8	48·8	50·2	4
	Jacobabad	186	29·847	29·760	·087	29·797	−·026	29·953	70·2	48·0	22·2	79·7	39·4	40·3	64·3	67·5	58·3	−4·1	45·1	55·4	56·5	5
	Kurrachee	30	30·024	·920	·104	·965	−·029	·947	75·0	56·2	18·8	78·9	49·4	29·5	67·7	72·4	65·0	−3·4	52·6	58·7	61·2	5
East Rajputana, Central India and Gujarat.	Jaipur	1,431	28·560	28·460	·100	·499	−·039	·935	72·3	50·9	21·4	79·4	42·0	37·4	63·8	70·3	60·5	−3·7	45·7	52·9	54·9	
	Udaipur	1,925?	·058	27·944	·114	27·996		·917	74·2	51·2	23·0	80·6	42·2	38·4	65·3	72·2	62·8		47·1	54·5	59·0	
	Deesa	466	29·543	29·431	·112	29·482	−·029	·913	79·1	53·2	25·9	84·7	44·6	40·1	70·2	77·7	66·2	−4·7	47·9	56·5‖	58·4	
	Jamnagar	61	·988	·874	·114	·924		·930	77·6	56·5	21·1	83·0	49·3	33·7	70·9	75.5	66·1		52·5	60·0	60·2	
Deccan.	Belgaum	2,539	27·441	27·324	·117	27·378	−·021	·829	85·5	56·4	29·1	90·8	48·7	42·1	75·4	83·3	69·8	−3·2	54·0	59·8	63·4	
	Sholapur	1,590	28·384	28·228	·156	28·301	−·048	·827	92·8	62·0	30·8	97·4	51·6	45·8	78·7	90·9	77·1	−0·6	51·4	60·3	65·0	
	Akola	930	29·034	·884	·150	·951	−·059	·833	89·0	57·9‖	31·1	96·8	44·3	52·5	76·8	87·0	73·0‖	−0·7	50·1	60·7	64·6	
	Buldana	2,132	27·870	27·751	·119	27·802	−·042	·882	82·9	60·0	22·9	91·1	49·5	41·6	73·7	80·9	71·0	−2·8	50·5	58·8	61·5	
	Khandwa	1,044	28·928	28·788	·140	28·850	−·044	·862	84·9	55·7	29·2	94·2	42·3	51·9	73·5	83·6	70·3	−1·9	47·3	57·3	60·2	
	Nagpur (Sanitary Commr.'s Office)	1,013	·957	·807	·150	·874		·852	87·5	61·3	26·2	94·2	52·3	41·9	75·9	86·0	74·0		55·2	63·1	65·6	
	Hyderabad (Deccan).	1,690	·283	·143	·140	·206	−·048	·835	89·1	65·6	23·5	95·0	59·8	35·2	78·7	87·3	77·1	0	58·9	64·9	67·2	
West Coast.	Bombay	37	29·985	29·871	·114	29·922	−·011	·900	81·3	66·9	14·4	90·0	62·0	28·0	74·1	76·6	73·2	−1·6	61·9	66·2	67·3	
	Karwar	44	·968	·862	·106	·913	−·002	·891	83·8	65·2	18·6	87·3	59·6	27·7	77·8	82·3	73·6	−2·3	63·4	68·8	71·7	

§ Mean of 22 days. || Mean of 27 days. ¶ Mean of 26 days.

I.

53 Stations in India, Burma, etc., for February, 1906.

Vapour Tension.					Humidity.					Cloud.				Wind Direction. Total number of 10 h. and 16 h. winds from										Wind Steadiness.		Wind Velocity.		Rainfall.		Station.	Meteorological Province.
From minimum.	Mean 10 h.	Mean 16 h.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 h.	Mean 16 h.	Mean of daily means.	Departure from normal.	Mean 10 h.	Mean 16 h.	Mean of two previous columns.	Departure from normal.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Mean wind direction.	Normal mean wind direction of month.	Average percentage.	Normal percentage.	Mean velocity in miles per diem.	Normal.	Total rainfall for the month.	Heaviest rainfall during the month.		
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
																									%	%						
·781§	·820	·839	·820	—·017	88§	73	65	78	— 1	2·6	3·4	3·0	−0·1		4	25	7	2		1	1	16	N 23° E	N 42° E	59	71	129*	120	0	0	Port Blair.	Burma Coast and Bay Islands.
·653	·634	·529	·622	+·017	90	58	37	68	— 1	2·1	2·3	2·2	+0·4	8	4	5		6	16		9	8	S 44° W	S 42° W	18	16	40*	91	0	0	Rangoon.	
·629	·717	·708	·705	—·002	74	68	67	73	— 2	2·1	1·9	2·0	−0·2	2	9	2	3		1	1	4	34	N 37° W	N 33° W	73	85	220* **	211	0	0	Diamond Island.	
·645	·703	·711	·709	—·014	74	67	65	73	— 2	3·0	3·1	3·1	+1·2		31	2	1			1	4	11	N 14° W	N 6° E	83	86	239		0	0	Cocos Island	
	·629	·638				73	61			1·9	1·9	1·9	+0·6			11	14	3		3	14	11	N	N 21° W	20	43	97*	84	0·28	0·28	Akyab.	
·644	·549	·531	·524	−·007	82	67	55	70	— 2	3·4	3·6	3·5	+1·4		11	17	2	2	2	4	4	14	N 3° W	N 42° W	48	27	76*	94	1·18	0·53	Chittagong.	Bengal and Orissa.
·629	·551	·544	·567	+·082	92	69	59	76	+10	5·5	4·8	5·2	+3·0	1	6	6	6	5	1	13	5	13	N 59° W	N 73° W	20	25	103*	79	7·96	3·18	Calcutta (Alipore).	
·550	·613	·660	·623	+·007	87	71¶	70	78	+ 2	5·4	5·0	5·2	+2·4		10	9	4	4	11	11	3	3	S 5° E	S 54° W	5	19	220	209	1·63	0·54	Saugor Island.†	
·618	·649	·660	·658	+·006	93	68	68	78	— 2	5·1	4·7	4·9	+1·8	2	5	8	7	8	19	5	1	1	S 38° E	S 11° E	37	17	184*	187	2·60	1·65	False Point.	
·375	·379	·368	·385	+·112	92	60	53	67	+23	5·3	5·2	5·3	+2·8	1	10	3	2	5	11	8	6	10	S 85° W	N 60° W	20	54	149*	173	3·75	1·04	Hazaribagh.	Gangetic Plain and Chota Nagpur.
·367	·375	·352	·378	+·051	88	57	43	68	+10	5·2	6·1	5·7	+3·3	1	3	12	14	5	3	3	8	7	N 55° E	N 63° W	24	34	79*	108	0·49	0·19	Allahabad.	
·265	·297	·274	·289	+·007	85	66	51	69	+ 7	5·9	6·0	6·0	+1·6	9	3	3	6	10	6	9	6	1	S 9° E	S 85° W	26	29	351‖	41	6·03	2·13	Dehra Dun.‡	Upper Sub-Himalayas.
·302	·353	·365	·350	+·053	91	71	59	76	+15	4·4	4·1	4·3	+0·9	7	2	4	1	16		2	4	20	N 40° W	N 60° W	14	31	76	67	6·42	3·86	Roorkee.	
·305	·371	·367	·356	+·069	91	78	64	81	+19	5·1	5·1	5·1	+1·2	16	5	4	7	6	2		10	6	N 2° W	N 30° W	11	30	66	53	2·99	1·15	Lahore.	
·311	·339	·297	·325	+·017	88	67	48	71	+ 6	4·1	3·9	4·0	−0·2	5	1	6	1	18		3	14	8	S 44° W	N 51° W	9	38	51*	46	3·95	0·94	Ludhiana.	
·290	·284	·272	·287	+·043	83	69	58	73	+13	5·6	6·6	6·1	+1·8	25	6	8	4		1	2	7	3	N 5° W	N 12° W	20	9	24*	77	4·34	1·59	Peshawar.	Indus Valley and N.-W. Rajputana.
·268	·324	·313	·310	+·071	79	56	49	64	+20	3·6	3·3	3·5	+0·3	3	14	3	5	1	2	3	6	19	N 29° W	N 21° E	50	23	98*	72	2·90	1·01	Jacobabad.	
·357	·383	·396	·418	—·027	77	57	52	68	+ 5	4·1	4·1	4·1	+1·5		2	13	8	2		14	8	9	N 42° W	N 80° W	15	22	180*	235	1·95	0·63	Kurrachee.	
·248	·270	·245	·261	−·001	66	46	34	52	+ 5	4·6	4·9	4·8	+1·7		6	8	9	5	5	6	8	9	N 6° W	N 20° W	9	33	94	91	0·92	0·44	Jaipur.	East Rajputana, Central India and Gujarat.
·280	·294	·339	·306		73	47	43	54		4·4	4·5	4·5		24	3	3	3	2	2	9	9	1	S 68° W		18		66*		0·76	0·49	Udaipur.	
·272	·279‖	·234	·266	+·043	66	39‖	25	43	+13	4·0	3·5	3·8	+1·6		8	12	6	1	7	9	9	3	N 27° W	N 2° W	9	30	216¶	206	1·32	1·01	Deesa.†	
·350	·381	·325	·383		75	50	38	59		2·0	2·3	2·2		2	12	13	6		2	5	9	7	N 6° W		37		239*		1·64	1·16	Jamnagar.	
·391	·321	·240	·378	+·024	86	37	30	57	+11	1·6	2·0	1·8	+0·6	5	11	6	4	4	2	3	9	12	N 27° W	S 63° E	34	11	183	233	0	0	Belgaum.	Deccan.
·256	·300	·298	·296	—·028	45	31	20	32	— 2	1·0	2·1	1·6	+0·1	3	3	11		7	8	9	5	10	S 25° W	S 42° E	3	23	217*	180	0	0	Sholapur.	
·263‖	·332	·318	·306	+·016	52‖	35	25	38	+ 1	2·6	2·8	2·7	+1·2	8	1	4	2	4	1	6	7	3	N 59° W	N 12° W	41	26	114*	103	0·03	0·03	Akola.	
·257	·316	·310	·298	+·037	50	38	30	43	+ 8	2·9	2·5	2·7	+1·0	1	6	1	4	3	2	5	15	19	N 64° W	N 22° W	50	27	183*	154	0	0	Buldana.	
·232	·277	·239	·251	—·043	50	34	21	36	— 2	2·3	2·5	2·4	+1·0	9	7	9	2	1	2	5	4	17	N 29° W	N 15° W	39	31	124*	98	0	0	Khandwa.	
·371	·427	·381	·395		67	47	31	49		2·9	3·7	3·3		2	9	9	9	4	6	7	6	4	N 45° E		11		107*		0·31	0·25	Nagpur (Sanitary Commrs.' Office).	
·420	·451	·418	·428	—·014	67	46	32	49	— 1	2·0	2·4	2·2	+0·2	25		1	2	4		10	9	5	S 68° W	S 51° E	27	27	73*	98	0	0	Hyderabad (Deccan).	
·494	·543	·554	·553	—·066	74	64	60	70	— 1	2·5	2·0	2·3	+1·1		7	5	7	2	3	2	5	25	N 29° W	N 1° W	45	57	238	250	0·15	0·14	Bombay.	West Coast.
·564	·588	·636	·619	—·050	91	62	58	74	— 1	0·5	0·6	0·6	0	1	6	12	7			2	11	17	N 47° W	N 53° W	48	73	103	98	0	0	Karwar.	

†† Mean of 16 days. ‡ Wind observations less 3. † Wind observations less 1. ** Mean of 25 days. * Corrected.

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Abstract of Observations recorded at 10 h. and 16 h

Meteorological Province	Station.	Elevation of barometer above sea-level, in feet	Pressure. Mean of 10 h.	Mean of 16 h.	Mean daily range.	Mean of daily mean pressures.	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 h.	Mean 16 h.	Mean of daily means.	Departure from normal.	Temperature Wet-bulb. Mean minimum.	Mean 10 h.	Mean 16 h.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
South India.	Periyakulam	944	29·038	28·878	·160	28·958		29·828	93·7	70·1	23·6	100·2	60·9	39·3	83·7	92·1	81·2		66·9	71·7	72·7
	Salem	940	·067	·893	·168	·989	−·051	·854	96·1	71·6	24·5	101·8	64·1	37·7	84·3	94·1	82·8	+4·3	68·8	77·1	83·3
	Chitaldroog	2,405	27·588	27·448	·140	27·514	−·023	·821	89·8	64·4	25·4	93·1	60·7	32·4	77·7	88·5	76·4	−0·5	59·0	65·1	67·6
	Bangalore	3,021	·005	26·873	·132	26·936	−·033	·821	88·5	62·7	25·8	93·0	57·3	35·7	77·0	86·8	74·9	+2·9	58·8	64·8	66·6
	Hassan	3,091	26·949	·821	·128	·882	−·009	·827	89·8	57·2	32·6	95·0	50·9	44·1	76·6	86·8	72·8	+1·4	55·8	64·2	64·9
	Mysore	2,518	27·496	27·343	·153	27·417	−·025	·824	90·8	64·2	26·6	95·0	59·8	35·2	78·5	89·4	76·8	+1·6	61·4	67·2	67·3
	Pudukkottai	318	29·684	29·529	·155	29·607		·854	94·1			100·9			84·8	91·0			69·7	73·7	75·0
	Madras	22	·986	·858	·128	·920	−·046	·874	87·9	72·6	15·3	94·8	64·4	30·4	83·6	83·8	79·4	+2·2	71·6	75·3	76·4
	Bellary	1,475	28·499	28·337	·162	28·413	−·053	·818	95·0	67·0	28·0	100·0	61·9	38·1	81·6	92·1	80·8	+1·2	58·1	64·8	65·8
	Waltair	*226*	29·791	29·663	·128	29·717	−·034	·886	83·9	72·6	11·3	89·0	67·9	21·1	80·6	80·5	77·4	+0·2	68·8	72·4	73·1
Hill Station, Baluchistan.	Quetta	5,502	24·603	24·541	·062	24·565	−·082	24·525	44·8	29·7	15·1	55·6	22·0	33·6	38·1	42·0	37·1	−5·1	29·2	34·7	37·1
Hill Stations, Northern India.	Leh	11,503	19·518	19·439	·079	19·478	−·115	19·446	33·7	13·2	20·5	42·3	3·9	38·4	24·0	30·2	21·6	+2·8	10·9	20·1	23·6
	Srinagar	5,204	24·883	24·818	·065	24·847	−·090	24·818	41·9	29·3	12·6	47·0	19·9	27·1	33·9	39·8	33·8	+0·8	27·9	32·6	37·6
	Sarain		23·110	23·055	·055	23·071			40·6	28·3	22·3	48·9	20·7	28·2	37·3	34·7	34·3			33·6	32·8
	Kalabagh									Not	received.										
	Simla (Ridge)	7,224	23·045	22·993	·052	·012	−·066	22·974	42·0	31·9	10·1	49·7	22·3	27·4	38·1	39·4	36·8	−3·8	29·7	33·8	36·2
	Chakrata	7,022	·238	23·185	·053	·196	−·059	23·156	44·3	32·5	11·8	57·3	22·0	35·3	38·3	39·9	38·2	−5·3	30·3	34·8	36·2
	Ranikhet	6,069	24·084	24·021 ††	·063	24·046	−·049	24·003 ††	49·3	36·8	12·5	57·5	30·0	27·5	43·9	45·7	42·9	−5·1	35·3 ¶	39·2 ¶	39·8 ¶
	Muktesar	7,600	22·798‖	22·742 ††	·056	22·763	§§	22·726 ††	44·6	32·4	12·2	53·5	23·8	29·7	39·3	40·6	38·3	§§	30·3 ¶	35·3 ¶	36·6 ¶
	Katmandu	4,388	25·680	25·563	·117	25·619	−·029	25·573	65·5	40·6	24·9	73·3	33·8	39·5	53·5	62·7	52·8	+0·3	40·1	47·8	51·0
	Darjeeling	7,376	22·965	22·922	·043	22·941	−·048	22·895	47·3	35·3	12·0	53·4	31·6	21·8	42·9	44·8	41·1	−0·5	34·0	40·7	42·5
Hill Stations, C. India.	Mount Abu	3,945	26·070	26·001	·069	26·026	−·068	25·977	60·0	48·2	11·8	67·1	42·1	25·0	55·8	58·0	53·9	−7·1	41·2 ¶	45·0 ¶	46·4 ¶
	Pachmarhi	3,528	·498	·411	·087	·446	−·053	26 393	72·9	51·0	21·9	81·4	40·5	40·9	65·0	70·8	61·3	−1·8	46·3	53·8	56·0
	Chikalda	3,642	·380	·289	·091	·326	−·076	·270	75·6	55·5	20·1	83·2	45·9	37·3	66·8	74·3	65·4	−3·1	48·2	54·0	56·7
Hill Stations, S. India.	Kodaikanal	7,688	22·890	22·820	·070	22·850		22·785	67·3	50·7	16·6	73·1	47·2	25·9	63·0	60·9	57·2		44·0	52·8	55·7
	Ootacamund	*7,322*	23·064	·999	·065	23·022		·958	67·5	44·3	23·2	70·9	39·7	31·2	63·6	63·0	55·7		39·4	50·1	52·4
	Dodabetta	8,539?	22·059	·004	·055	22·022		21·958	63·1	48·2	14·9	70·5	46·0	24·5	59·7	58·8	55·5			50·9	52·6
Extra India.	Aden	94	29·930	29·817	·113	29·868	−·038	29·894	81·9	76·2	5·7	87·5	73·3	14·2	79·2	80·7	78·0	+1·4	72·5	74·3	74·5
	Perim	201	·818	·709	·109	·758	+·020	·893	84·0	74·8	9·2	86·3	72·4	13·3	79·7	81·3	78·4	+0·5	67·9	71·8	72·2
	Minicoy	7	·998	·919	·079	·961		·894	86·6			87·6			84·6	83·5				76·0	75·8
	Zanzibar	72	·915	·790	·125	·855	+·009	·853	87·4	80·1	7·3	91·6	74·8	16·8	84·1	86·9	82·8	+0·1	76·4	78·9	79·7
	Port Victoria (Seychelles)	15	·955	·867	·088	·919	§§ −·010	·858	85·6	79·3	6·3	87·4	76·2	11·2	83·3	84·1	81·4	§§ +2·3	74·8	78·4	78·7
	Mauritius (Pamplemouses).	181				·755	+·014	·881				90·1	71·4	18·7			79·9	+1·4			

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

†† „ „ 21 „

§§ Departures from *old normals*.

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

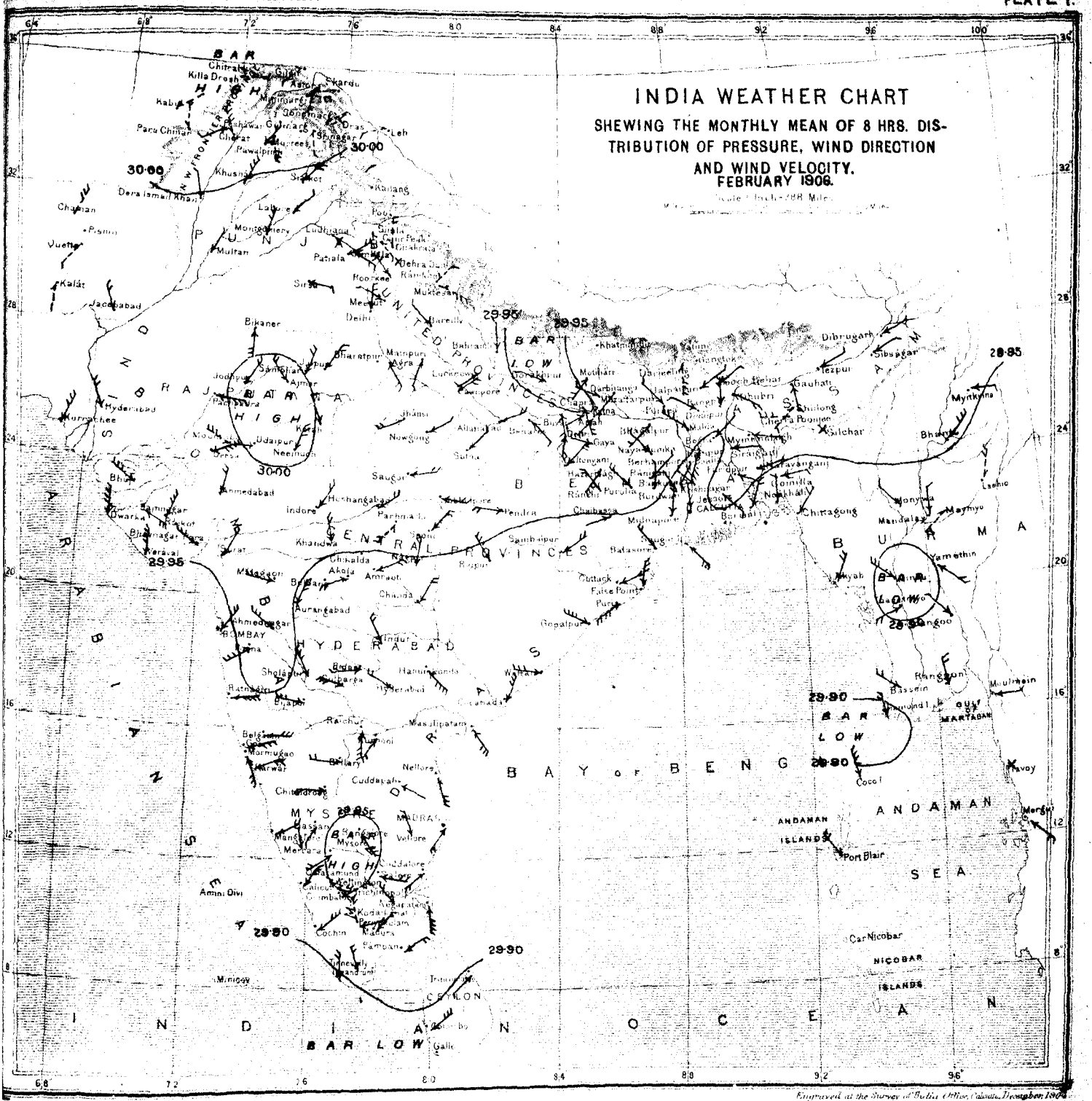
II—*concluded.*

63 *Stations in India, Burma, etc., for February, 1906*—concluded.

Vapour Tension.					Humidity.					Cloud.				Wind Direction.										Wind Steadiness.		Wind Velocity.		Rainfall.		Station.	Meteorological Province.
From minimum.	Mean 10 h.	Mean 16 h.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 h.	Mean 16 h.	Mean of daily means.	Departure from normal.	Mean 10 h.	Mean 16 h.	Mean of two previous columns.	Departure from normal.	Total number of 10 h. and 16 h. winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Mean wind direction.	Normal mean wind direction of month	Average percentage.	Normal percentage.	Mean velocity in miles per diem.	Normal.	Total rainfall for the month.	Heaviest rainfall during the month.		
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
																									%	%						
·321	·620	·553	·598		84	54	37	58		2·0	3·6	2·8		7	2	6	6	10	8	10	6	1	S 13° E		28		55*		1·55	0·85	Periyakulam.	South India.
·670	·842	1·006	·854	+·262	87	72	63	78	+15	3·5	3·9	3·7	+1·4	13	1	6	17		6	5	5	3	S 78° E	S 88° E	20	51	128*	127	0·28	0·25	Salem.	
·434	·460	·422	·444	+·073	72	50	31	53	+11	1·0	1·5	1·3	−0·8	4	4	3	7	5		8	14	11	N 72° W	N 69° E	28	35	122*	151	0	0	Chitaldroog.	
·456	·475	·356	·434	+·027	80	51	29	55	+ 1	1·9	1·9	1·9		1	1	3	8	10	6	11	7	7	S 10° W	S 69° E	27	59	157*	120	0·93	0·88	Bangalore.	
·433	·437	·365	·417	+·024	92	44	29	57	+ 2	2·6	3·1	2·9	−0·8	4		6	7	7	5	14	7	6	S 24° W	S 84° E	21	58	55*	67	0	0	Hassan.	
·512	·528	·394	·483	+·046	85	54	29	58	+ 5	4·1	4·8	4·5	+1·4	1	3	3	11	10	5	7	11	5	S 5° E	N 87° E	14	56	154*	190	0	0	Mysore.	
	·688	·654				58	45			5·0	3·7	4·4		2	4	16	9	7	7	3		8	N 69° E		31		177*		0·16	0·14	Pudukkottai.	
·768	·791	·813	·813	+·098	95	69	70	81	+ 3	4·4	3·0	3·7	+0·5			1	10	28	8	8	1		S 36° E	S 84° E	72	72	135	120	0·32	0·15	Madras.	
·380	·406	·311	·360	−·030	57	38	21	39	− 2	1·6	2·0	1·8	−0·2	5	1	1	4	10	7	6	12	10	S 50° W	S 57° E	27	43	120*	96	0	0	Bellary.	
·661	·693	·720	·714	+·059	82	66	69	75	+ 7	5·3	4·6	5·0	+3·2			9	6	5	20	13	3		S 8° E	S	48	43	207*		3·34	2·39	Waltair.	
·157	·170	·174	·177	+·006	95	74	67	82	+15	5·3	6·1	5·7	+1·5	20	2		1	4	8	3	6	12	S 79° W	N 84° W	23	30	56*	84	3·95	0·71	Quetta,	Hill Station, Baluchistan.
·056	·081	·078	·071	+·004	68	61	46	61	− 3 ‡‡	6·8	8·2	7·5	+0·7			3	2	5	15	19	12		S 30° W	S 9° W	62	25	64	31	0·07	0·05	Leh.	
·141	·174	·203	·169	−·005	86	88	82	85	+ 1	9·0	7·6	8·3	+1·7	21	4	1	2	4	5	2	4	13	N 63° W	S 9° W	18	8	52*	84	5·30	2·61	Srinagar.	
	·155	·169				71	85			7·4	6·9	7·2		30	4	5	4		4	2	5	2	N 4° W		7		29*		16·17	7·26 §	Sarain, Kalabagh.	Hill Stations, Northern India.
·147	·155	·184	·172	+·013	81	68	76	78	+17	7·0	8·1	7·6	+1·9	13	8			6	27	1		1	S 7° E	S 11° E	41	25	105*	120	7·45	1·41	Simla (Ridge)	
·147	·169	·177	·174	+·001	81 ¶	74	73	79	+13	5·5	5·9	5·7	+0·8	24	9	1			22				S 4° E	S 6° W	21	4	154*	151	10·13	2·25	Chakrata.	
·192	·197	·188	·202	−·002	87	69	62	76	+12	5·9	7·1	6·5	+2·0	20	1	5	4		2	16	4	4	S 61° W	S 57° W	21	18	60*	62	5·78	2·23	Ranikhet.	
·149	·174	·178	·177		82	73	72	79		6·6	8·1	7·4		5	1	3	6	6	1	4	14	2	S 59° W		16		189*		7·42	1·80	Muktesar. †	
·250	·270	·243	·264	+·004	96	66	44	72	+ 3	3·8	3·9	3·9	+0·4	3	2	1	17	1	4	1	27		S 74° W	N 87° W	18	47	26	29	2·53	0·78	Katmandu.	
·187	·234	·251	·234	+·011	89	84	84	89	+ 6	7·0	7·3	7·2	+1·2	3		1	3	4	1	21	14	9	S 68° W	S 83° W	55	31	135*	132	2·80	1·66	Darjeeling.	
·185	·179	·184	·187	−·001	54	41	39	49	+15	5·2	4·6	4·9	+2·5	3	2	8		10	3	18	7	5	S 42° W	N 66° W	28	28	173*	146	2·24	1·60	Mount Abu.	
·267	·294	·287	·287	+·027	70	47	38	56	+ 7	3·2	3·9	3·6	+1·3		6	4	5	9	3	10	9	10	S 87° W	N 69° W	16	25	129*	106	0·60	0·35	Pachmarhi.	Hill Stations, C. India.
·260	·278	·263	·271	−·002	58	42	31	48	+ 5	3·4	4·0	3·7	+1·9	2	9	2			6	20		17	N 85° W	N 81° W	45	24	194*	156	0·24	0·11	Chikalda.	
										2·2	7·3	4·8			9	10	4	6	12	1		13	N 30° E		18		222		3·37	2·46	Kodaikanal. ‖	
·231	·302	·395	·321		61	53	74	68		1·6	4·9	3·3		2	5	4	18	6	10	4	2	5	S 72° E		32		101*		1·47	1·47	Ootacamund.	Hill Stations, S. India.
·194	·226	·285	·250		66	39	50	55		2·7	4·8	3·8			8	9	11	11	4	4	4	5	N 77° E		27		202		1·54	1·54	Dodabetta.	
	·284	·335				56	68																				**					
·751	·788	·773	·788	+·124	83	79	74	81	+ 3	5·2	2·0	3·6	−0·4 §§	2		19	11	19		3		2	S 89° E	N 89° E	61	72	134*	367	1·08	0·69	Aden.	
594	·677	·671	·664	−·057	69	66	63	68	− 8	2·4	2·1	2·3	−0·1 §§		10			19	22	1		4	S 23° E	N 89° E	45	67	557*	461	1·27	0·43	Perim.	
	·780	·782				66	67			3·0	3·9	3·5			42	9	3					2	N 9° E		89		119*		0	0	Minicoy.	
·863	·920	·920	·918	+·048	84	79	72	80	+ 3	7·0	6·7	6·9	+2·3 §§	3	14	11	1	5	6	8	3	5	N 1° E	N 33° E	18	55	117*	161	4·17	1·60	Zanzibar.	
·805	·914	·915	·901	+·059	80	79	78	82	− 1	6·9	7·1	7·0	+0·5	23	4	2	7	5	1		2	12	N 8° E	N 21° W	18	53	103	145	8·85	2·45	Port Victoria (Seychelles).	Extra India.
			·829	+·072				81	+ 3			7·2	+0·9										S 81° E	N 82° E			164	264	5·14	1·15	Mauritius (Pamplemouses)	

‡‡ Mean of three previous columns.
‖ Mean of 22 days.
¶ „ „ 27 „
‖‖ Wind variable 1.
† „ Observations less 14.
** Mean of 26½ days.
* Corrected.
§ Snow water.

G. I. C. P. O.—No. 42 Meteor.—1-8-05—00



Engraved at the Survey of India Office, Calcutta, December 1906.

LITHO. BY S.S. MUNDLE.

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

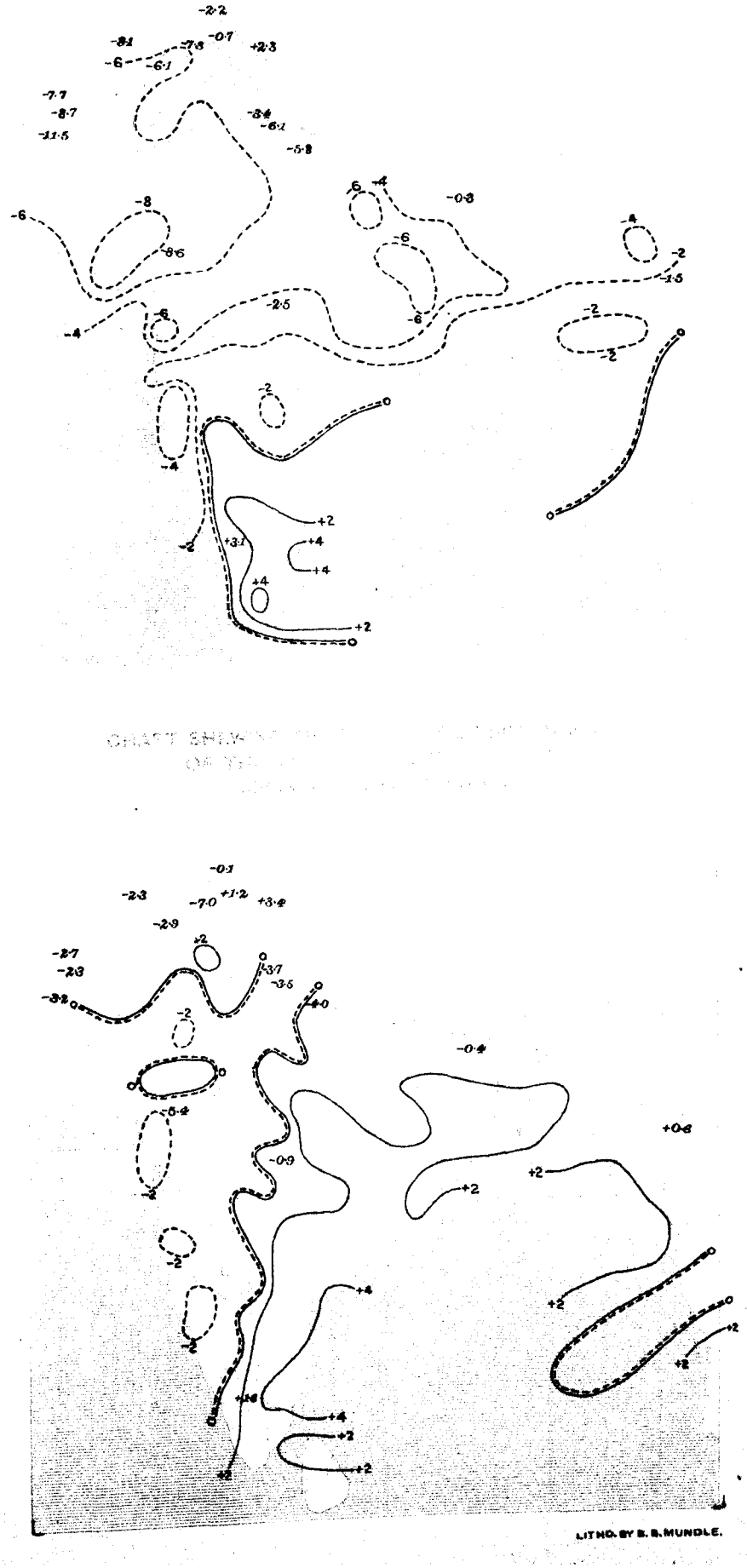
The mean 8 hrs. wind directions of the month are shewn by means of arrows flying with the wind, and are calculated by means of Lambert's formula applied to the winds as given in Table I of the 8 hrs. observations. The mean wind directions for the hill stations are indicated by broken arrows to distinguish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

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

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

PLATE III.

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



LITHO. BY S. S. MUNDLE.

PLATE IV.

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

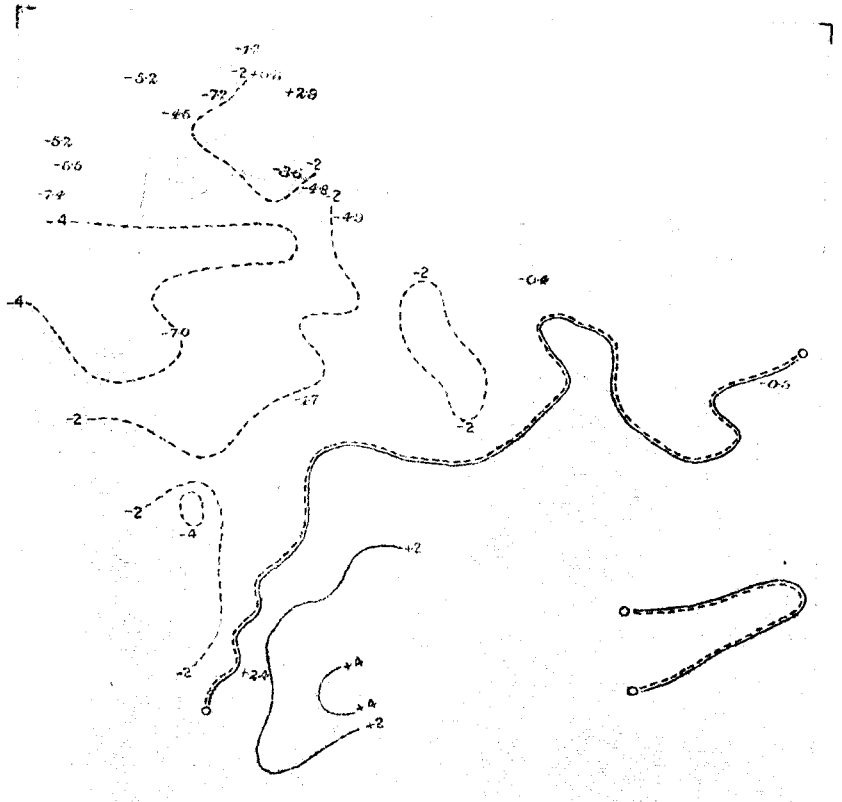
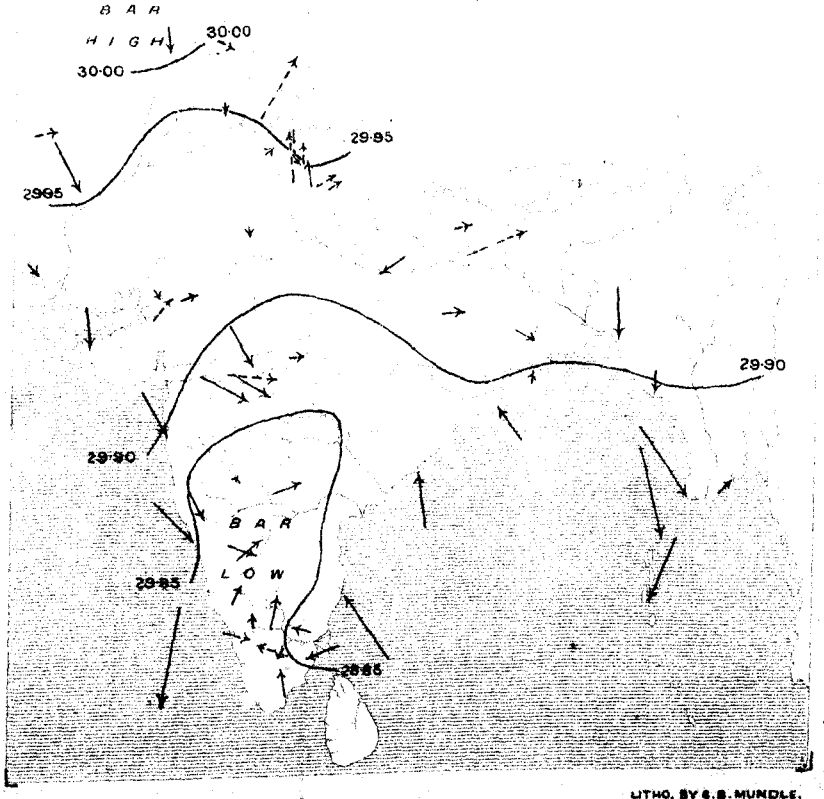


CHART SHEWING THE MONTHLY MEAN OF PRESSURE AND RESULTANT WIND DIRECTION.



LITHO. BY G.B. MUNDLE.

PLATE V.

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

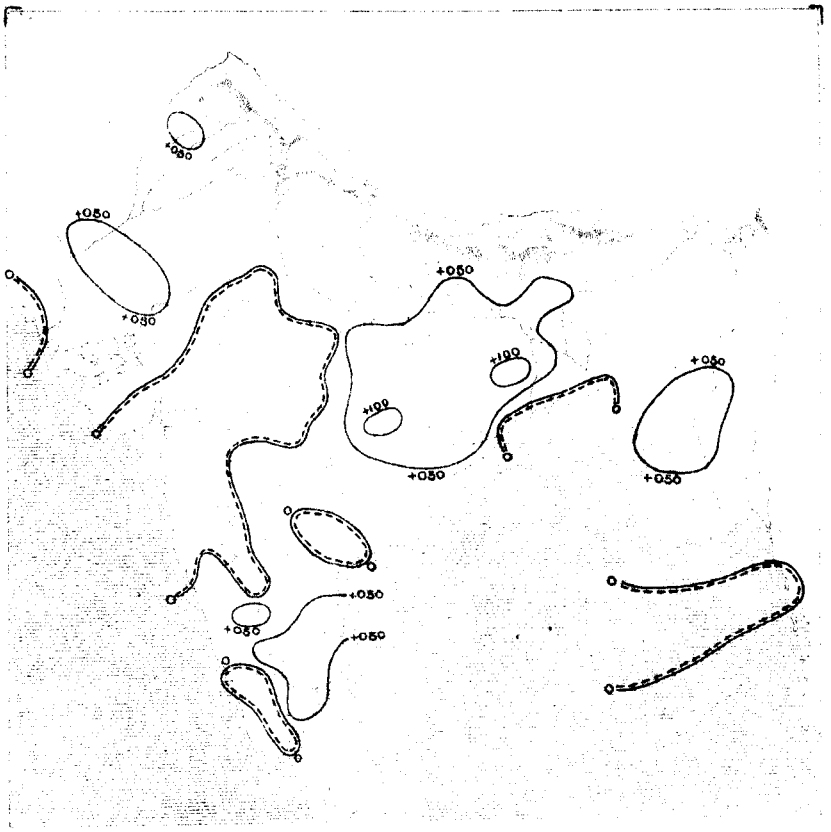
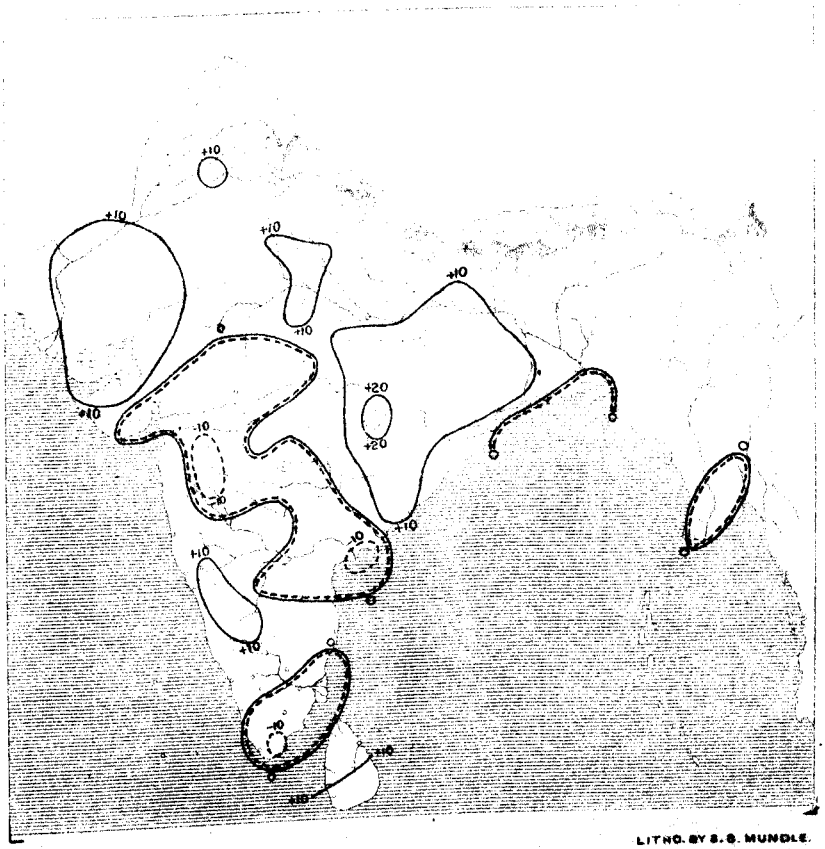


CHART SHEWING THE DEPARTURE FROM NORMAL
OF THE MONTHLY MEAN OF RELATIVE
HUMIDITY AT 8 HRS.



LITHO. BY S. S. MUNDLE.

PLATE VI.

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

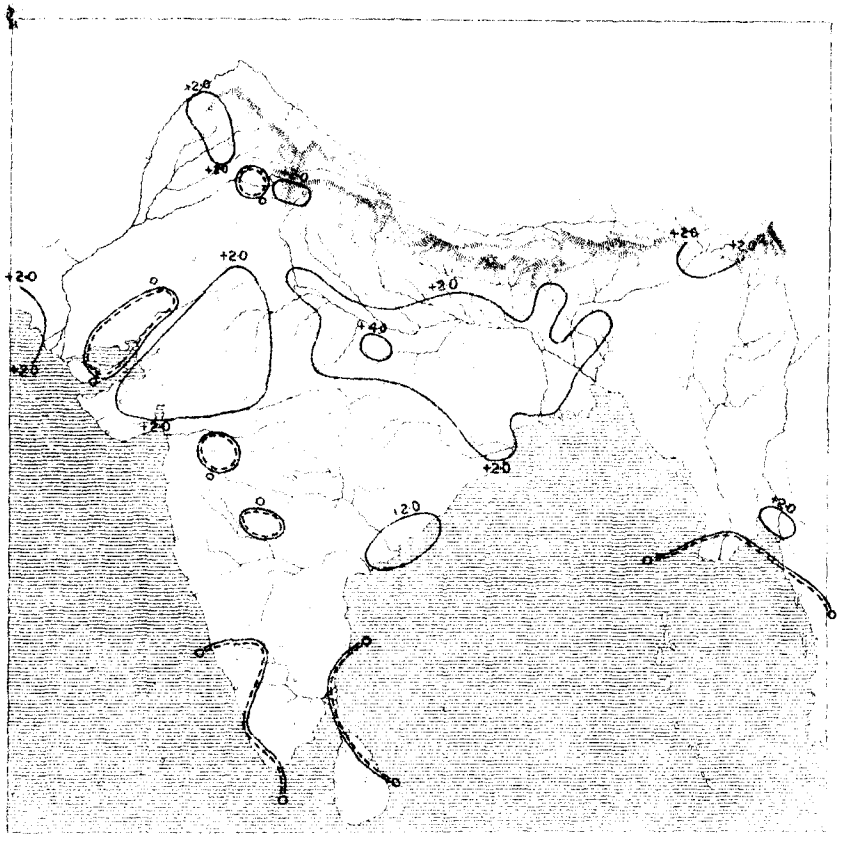
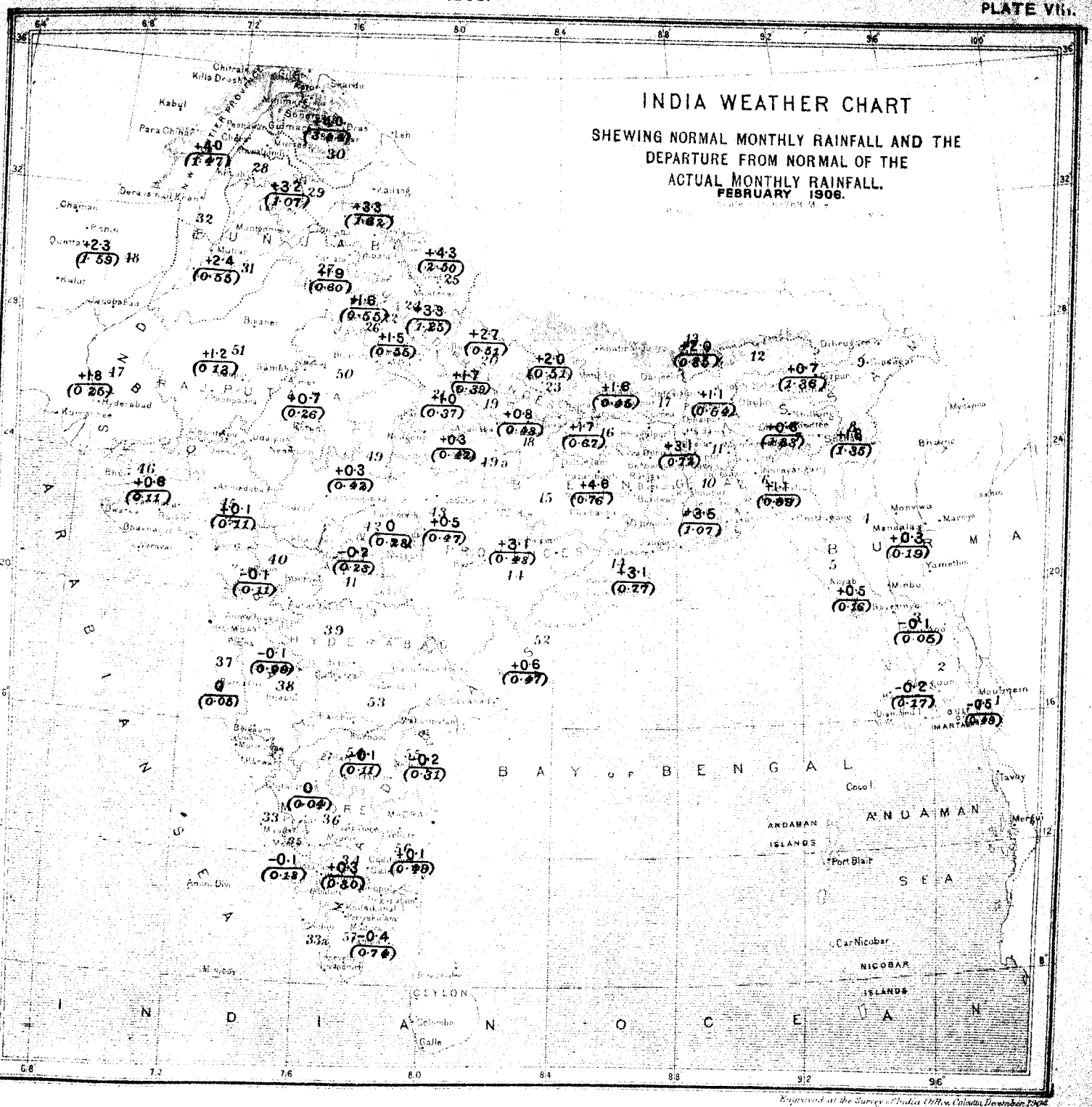


CHART SHEWING THE TOTAL NUMBER OF DAYS IN THE MONTH ON WHICH RAINFALL EQUALLED OR EXCEEDED 0·10 INCH.

LITHO. BY G. B. MUNDLE.

The chart shows the distribution of the rainfall of the month by means of isohyetic lines or lines of equal amounts of rain. The data used in the preparation of this chart are the rainfall returns of all the observatories in India except those at the hill stations over 3,500 feet in elevation (177 in number). The double line or line of no rainfall separates areas in which the rainfall exceeded a tenth of an inch from those where it was actually or practically *nil* (*i.e.* less than a tenth of an inch). The dotted line faces the area of no rainfall.



Engraved at the Survey of India Office, Calcutta, December 1906.
LITHO. BY S.S. BUNGLE.

The country is divided into 57 areas, over each of which the meteorological conditions are fairly uniform, and the staple crops similar in character. The numbers in bracket on the chart give the average over the division of the normal monthly rainfall; the numbers above these give the departure from these normals of the average actual rainfall over the division. The name of the district can be ascertained by referring in the following list to the number given in each district in red figures.

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

GOVERNMENT OF INDIA.

METEOROLOGICAL DEPARTMENT.

MONTHLY WEATHER REVIEW

PUBLISHED BY ORDER OF

THE GOVERNMENT OF INDIA.

CALCUTTA, MARCH, 1906.

INTRODUCTION.

THIS review of the weather in India during the month of March, 1906, is based on observations taken daily at 8 h. at 234 stations, and on additional observations taken at 10 h. and 16 h. at 63 stations. In the rainfall summary the data furnished by the meteorological observatories and such rainfall statements of the month a had been published by the Provincial Governments up to the date of the preparation of the review, have been utilized. The brief notes on solar, seismic and magnetic disturbances have been supplied by the chief observatories.

Summary of the chief features of the weather in India during the month of March, 1906.

2. Weather in northern India during March presented the same cold, cloudy and damp features which had been prominent in February, and all parts of the Peninsula also, except the extreme south, recorded mean temperatures well below normal. Above latitude 22°N. the defects of temperature lay between 2 and 5 degrees, and large tracts in the north-west and from Bengal westwards to the Central Provinces and the east of the United Provinces were uniformly 4 degrees low in mean temperature. The greater part of this result was due to deficiencies of maximum day temperature, which in consequence of cloudy weather ranged up to 8 degrees. Rain continued, as in February, to fall in excess amounts in the north, but in a less marked manner than during that month. Only in Burma, Assam, and on the west coast were any deficiencies shewn. In the meteorological province embracing east Rajputana, Central India and Gujarat a mean excess of 125 per cent. occurred, and an almost equal surplus was recorded in the upper Sub-Himalayas.

This rainfall occurred chiefly during the passage of low pressure disturbances from the west across northern and Central India, some of which were attended by large waves of temperature of the usual winter type. These depressions passed between the following dates :—

(1) 8th to 15th. Rainfall active in the north-west and the north-east. Temperature wave of 8 or 10 degrees.

(2) 16th to 19th. Shallow. Active rainfall in north-east India. No temperature wave.

(3) 18th to 19th. No rainfall. Moderate temperature wave.

(4) 19th to 21st. Rainfall active in the Central Provinces. No temperature wave.

(5) 21st to 25th. Rainfall active in Kashmir, the Punjab and the United Provinces. Temperature wave of 10 to 15 degrees in Kashmir.

(6) 29th to 31st. No rainfall.

In the south rain fell on the Coromandel coast and in south Madras on the 1st, and scattered thunder showers on the 18th and 19th.

Humidity was high generally in the areas of rainfall and cloud was in excess over the whole Indian area, except parts of Bombay and of Burma.

Solar, seismic and magnetic disturbances.

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

KODAIKANAL.

Solar Observations.—Observations were possible on every day except the 1st. On the 17th the sky was not good enough for prominence observations and on several other days cirrus cloud considerably interfered with the work.

Sunspots.—The chief characteristic of the month was a great revival of spot activity, especially during the second half of the month. None of the groups were of the largest size, but they were very numerous, no less than 38 new groups appearing during the month. This is more than double the number for the previous month and is the largest number that has been recorded here. The mean daily number for the whole month was 6·0; for the first 13 days it was only 3·4 and for the remainder of the month 7·8. The minimum number of groups visible on any one day was 2 on the 5th, and the maximum 11 on the 27th. Only four of the groups can be classed as large, *viz.*, Nos. 774, 786, 788, and 801.

No. 786 was first seen on the 16th as a small streak not far distant from the eastern limb. Till the 21st it consisted of a number of small dots, but then it rapidly changed into a large spot of regular outline with some small companions. On the day that this change took place the C line was strongly reversed inside the umbra and D_3 was seen dark in the same place. The chief spot continued to increase in size till the group disappeared round the west limb on the 28th. No. 788 came round the limb on the 18th and 19th, as two separate spots of regular outline and nearly equal size. On the 21st they had sensibly approached each other, and by next day they had coalesced into a single large spot with a double umbra. Thereafter this underwent little change and disappeared round the limb on the 30th. No. 801 was first seen close to the east limb on the 27th as a group of very small spots but by the last day of the month it had developed into a conspicuous group of irregular outline with a number of detached umbrae.

For the first time for several months the spots were nearly equally divided between the two hemispheres, there being 20 groups in the northern and 18 in the southern. The distribution in latitude was normal: 16 spots were within 10° of the equator and none were in a higher latitude than 30°.

The distribution in longitude was, as usual, very irregular. Most of the groups lay either between longitudes 60° and 160° or between 260° and 360.°

Prominences.—Prominences were very abundant during the month but few of them were of large size. Out of 546 prominences observed only four could be classed as "very large," against 28 in February, and no less than 355 were very small jets. The largest prominence of the month was photographed on the 21st. It was 3½ minutes high and covered 25° of the sun's limb. There were seven eruptive prominences recorded, and all were associated with spots.

Magnetic Disturbances.—Moderate magnetic disturbances were recorded on the 1st, 4th and 7th. On the 1st and 4th no spots were visible near the central meridian but on the 7th one group was just past and another was approaching the central meridian.

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

COLABA.

Note on the Magnetic Record.

4. During the month the traces showed 13 calm days and 18 days of small disturbances. Movements suspected to be due to seismic causes occurred on the 4th and the 12th, the strain apparently lasting for about 4 hours in the first case and for about 6 hours in the second.

The days selected as quiet for the purposes of the magnetic survey of India are the 3rd, 12th, 16th, 22nd and 27th.

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

Declination	0° 12′ 46″ east.
Horizontal force . . .	·37420 C. G. S. unit.
Dip	22° 2′4′.
Horizontal force range .	·00055 C. G. S. unit.
Horizontal force summed range	·00363 C. G. S. unit.
Declination range . . .	2·83′
Declination summed range .	9·88′

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

Nine small seismic disturbances were recorded during the month, on the 2nd, 3rd, 10th, 13th, 17th, 20th, 26th, 27th and 29th. On the morning of the 26th, a sharp shock of earthquake was felt throughout the city of Bombay. It commenced at 7h. 18·6 m. (Indian Standard Time) suddenly, as all local disturbances do, with rapid short-period oscillations. These were felt for about 10 to 15 seconds, while the duration of the quake as registered by the local seismographs lasted for about 4 minutes. The amplitude of motion of the particles of the ground at Colaba may be taken to have reached more or less one-tenth of an inch. The vertical movement was more significantly pronounced, and though the blurring of the traces due to the sudden tilting of the ground rendered accurate measurements impossible, the vertical tilt may be taken to have clearly exceeded 2 seconds of arc. The shock has been reported to have been felt at several places in the districts round about Bombay.

Magnetic disturbances.

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

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

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

ALIPORE.

5. *List of displacements recorded by the seismograph at the Alipore Observatory during March 1906.*

Date 1906.	P. T. Commencement. G. M. T.	L. W. Commencement. G. M. T.	Maxima. G. M. T.	End. G. M. T.	Maximum amplitude in mm.	Duration.	REMARKS.
March.	H. M.	H. M.	H. M.	H. M.		H. M.	
2nd	6 19·8	6 23·8	6 28·9	7 27·9	3·25	1 8·1	
2nd	13 8·6	...	...	13 14·7	...	0 6·1	Thickening of line.
3rd	9 22·5	9 56·1	10 2·2	10 56·1	1·00	1 33·6	
10th	6 56·0	7 28·6	7 34·7	7 58·1	0·50	1 2·1	
10th	17 3·1	...	17 22·5	17 44·8	0·50	0 41·7	
13th	13 38·7	13 50·9	13 55·0	14 19·4	1·00	0 40·7	
16th	20 15·9	...	20 16·9	20 25·5	1·00	0 9·6	
16th	22 44·8	22 53·0	23 1·1	23 52·0	12·0*	1 7·2	
17th	19 4·2	...	...	19 12·3	...	0 8·1	Thickening of line.
19th	8 18·4	8 35·7	8 41·8	9 12·3	1·00	0 53·9	
20th	4 7·2	0 22·3	4 9·3	4 32·6	0·75	0 25·4	
21st	23 42·8	0 2·1	0 6·7	0 36·7	1·50	0 53·9	
27th	5 47·9	5 56·0	6 0·1	6 27·5	1·00	0 39·6	
27th	23 9·3	23 11·8	23 13·3	23 28·6	1·50	0 19·3	
28th	18 29·1	18 59·6	19 5·2	19 29·6	0·50	1 0·3	
28th	20 32·6	...	...	20 46·9	...	0 14·3	Thickening of line.

* Measured from the base line.

The local times of the commencement :—

Date 1906.	H. M.
March 2nd	12 13·1
2nd	19 1·9
3rd	15 15·8
10th	12 49·3
10th	22 56·4
13th	19 32·0
17th	2 9·2
17th	4 38·1
18th	0 57·5
19th	14 11·7
20th	10 0·5
22nd	5 36·1
27th	11 41·2
28th	5 2·6
29th	0 22·4
29th	2 25·9

C. W. PEAKE,
Assistant Meteorological Reporter to the Government of India.

SIMLA.

6. *List of earthquakes recorded by the Omori-Ewing-seismograph at the Simla Observatory during the month.*

Date.	Commencement of P. T. G. M. T.	End of P. T. G. M. T.	Beginning of L. W. G. M. T.	Maxima. G. M. T.	End approximately. G. M. T.	Duration approximately.	Maximum amplitude in mm.	REMARKS.
March 1st	H. M.	H. M.	H. M.	H. M. 5 23·0 ?	H. M.	M. 2·0		Tremor.
1st				0 50·0?		0·1	0·06	Local.
1st				8 45·7		0·1	0·1	,,
1st				9 42·6		0·05	·04	,,
2nd	6 17·3	6 21·2		6 24·7	6 3·8	20·0		Some distance away.
7th				17 54·3		0·1	0·1	Local.
8th			4 7·4	4 7·5	4 7·8	0·4	0·2	,,
8th				16 18· ?		0·1	0·02	,,
9th			11 2·8		11 3·3		0·05	Slight, distant.
10th			9 43·8		9 44·3	0·5	0·05	Local.
11th				23 21·6		0·1	0·2	,,
12th				9 15·2		0·1	0·1	,,
12th				21 18·3			0·02	,,
13th			12 23·5		12 24·7	1·2		Some distance away.
14th				4 57·6		0·1	0·03	Local.
14th			9 29·3		9 34·0	4·7		Tremor.
15th				2 51·0		0·1	0·03	Local.
16th	23 0·2	23 5·0	23 5·0		23 17·0	16·8		Distant.
18th			12 56·9	12 58·0	13 10·0		0·1	Felt in Kashmir.
20th				5 12·2		0·2	0·2	Local.

J. PATTERSON,
Deputy Meteorologist.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

7. *Solar observations.*—Observations were made on all days except the 2nd, 6th, 7th, 8th, 10th, 11th, and 13th, and spot groups and faculæ were visible on all days of observation. The groups seen may be thus divided:—

1 group	on	3 days.
2 groups	,,	1 day.
3 ,,	,,	2 days.
4 ,,	,,	5 ,,
5 ,,	,,	6 ,,
6 ,,	,,	7 ,,
No observations	,,	7 ,,

Magnetic disturbances.

Date.	Time.	Disturbance.
February 28th to March 1st.	14½h. . . 5h. . .	Wave in H. F. (−62) with minor superposed waves on February 28th 19½h. to 21h. (+31); February 28th 23 h. to 23¾ h. (−22), and March 1st 1½ h. to 2¾ h. (+19), with corresponding waves in declination (+2′); (+1′) and (+2′).
March 4th .	3h. 8m. .	Sudden increase of H. F. (+16′) followed till 18 h. by small fluctuations.
4th .	22 to 23¾ .	Wave in H. F. (−20).
5th .	18¾h. to 19¾h.	Wave in H. F. (+18).
9th .	0¾h. to 3h. .	Wave in H. F. (+21).
17th to 18th .	18h. . . 5h. . .	Undulations in H. F. (±6).
25th .	1h. to 3h. .	Wave in H. F. (+22).
28th .	5¾h. to 7h. .	Wave in H. F. (+16).

The measurements are given in C. G. S. measure (Unit =·00001) for horizontal force (H. F.) and vertical force (V. F.), and in minutes of are for declination.

T. F. CLAXTON,
Director.

Weather in the Indian monsoon region.

8. Pressure was in defect in the south at Mauritius where during February there had been excess, and was in excess to a nearly equal extent at the latitudes of Seychelles and Zanzibar. Rain continued to fall heavily at Zanzibar, but was again below normal at Seychelles. Winds were light at Mauritius and Seychelles, with more westing than usual at the latter station. Numerical details appear in the following table:—

March.	Mauritius.	Zanzibar.	Seychelles.
	"	"	"
Departure from normal of mean pressure.	−·026	+·020	+·016
Actual mean wind direction.	S 86° E	S 3° E	N 41° W
Normal mean wind direction.	S 78° E	S 44° E	N 21° W
Actual mean wind velocity (miles per diem).	176	131	108
Normal mean wind velocity (miles per diem).	250	130	127
	"	"	"
Rainfall departure .	+1·21	+4·13	−0·76

Depressions and cyclonic storms.

9. The month under review was perhaps somewhat less subject to the passage of cyclonic rain storms over northern India than has been the case during recent years.

(i) The first depression of the month entered India from Baluchistan between the 7th and 8th in a rainless condition, but by the morning of the 11th it had become active and given rain and snow in moderate amounts in the North-West Frontier Province, the Punjab and Kashmir. During that day wet weather continued and the low pressure centre passing eastward was situate on the following day over Bihar, and skies had become much clouded over the whole of north-east India. On the 13th, 14th and 15th following the disappearance of the depression, considerable and nearly general rainfall occurred in parts of Bengal and the Brahmaputra Valley. The temperature changes associated with this depression were well marked, a difference of 10° occurring in parts of the Punjab and of 8° in the central parts of India between the high temperatures in front and the low temperatures behind the centre of low pressure as it passed across the country.

(ii) Between the 16th and the 19th a shallow depression crossed India from the Punjab to Bengal and was accompanied by local rain in the Central Provinces, Chota Nagpur and Orissa, and by nearly general rain on the Circars coast and in Bengal and Assam. No changes of temperature followed its course.

(iii) Again on the 18th a low pressure centre entered India along the path followed by the previous one, the barometer falling an eighth of an inch over the whole of north-west India. This had first become visible in the west at Baghdad on the 17th. The promise of rain in India which it had given during its approach over the earlier part of its course was not fulfilled, and it disappeared without more effect than that of giving partially clouded weather and rapid changes of temperature in the regions of the north-west.

(iv) On the 19th a fresh shallow depression crossed the coasts of Sind and Gujarat and passed into Rajputana and Central India where it disappeared during the 21st. It gave rain over the Central Provinces, locally in the west and of a more general character in the east of that area. No marked changes of temperature were due to it.

(v) On the 20th a low pressure condition was affecting Ispahan, and this may have been associated with a strong depression, the centre of which appears to have passed eastward to the north of Kashmir. Pressure in Further Kashmir fell between the 21st and the 23rd by one-third of

an inch, and seven feet of snow were received at Sonemarg during the 22nd. A rapid fall of temperature of from 10 to 15 degrees, occurred in Kashmir. Pressure fell also to a small extent in the Punjab during the 21st, and thereafter a moderate depression passed over the country at the base of the hills, and gave considerable quantities of rain from the 21st to the 25th in the Punjab and the United Provinces.

(vi) At the end of the month a depression of moderate depth, which had been visible at Ispahan on the 28th crossed into India during the 29th, and on the 31st was passing over the central parts of the country. No rainfall was given by it in any part of its course.

Pressure.

10. A moderately large excess of pressure, amounting in geographical mean to +·048″ for the whole Indian area, resulted from the general pressure conditions existing throughout March, and this excess presents a strong contrast to the general but less marked defect that was reported for the previous month.

A band of comparatively high pressure stretched during the month under review from Baluchistan in the west over the whole of northern India, and became accentuated in Bengal; it occupied therefore the area so much affected by the strong travelling cyclones of February. To the south of those regions nearly the whole of the Peninsula, though still above normal, differed to a less extent from the conditions which are proper to the month of March. The departures from normal values at the higher level stations varied from south to north: thus in the neighbourhood of Wellington there is shewn practically no difference between the figures for the plains and those for the hills; near Pachmarhi in the Central Provinces a slightly greater excess at the level of the plains than above it, and in Baluchistan and the Himalayas generally a stronger effect of the same kind, grading into a large actual defect of pressure in Further Kashmir.

It is thus evident that the condition which determined the widespread excess of pressure exercised its influence in the south of the Peninsula almost entirely in those air strata which are above the level of Wellington (6,200′), that it descended in level northwards until in the Central Provinces it shewed an appreciable effect on the air strata lying between the hill station of Pachmarhi (3,528′) and the plain station of Seoni (2,033′), and that still further north in the east Punjab it was almost entirely confined to the lower layers of the atmosphere.

11. The two tables following shew these difference values for hill and associated plain stations, and for the 11 meteorological provinces of the Empire respectively:—

Hill station.	Departure from normal. pressure.	Plain station.	Departure from normal pressure.	Departure of pressure difference.
	″		″	″
Quetta	+·004	Jacobabad	+·079	+·075
Leh	−·036	Lahore	+·057	+·093
Murree	+·005	Peshawar	+·043	+·037
Simla	+·011	Ludhiana	+·060	+·049
Chakrata	+·009	Roorkee	+·062	+·053
Ranikhet	+·020	Bareilly	+·059	+·039
Darjeeling	+·016	Dhubri	+·069	+·053
Lashio	+·022	Bhamo	+·074	+·052
Mount Abu	+·008	Deesa	+·028	+·020
Pachmarhi	+·022	Seoni	+·037	+·015
Wellington	+·021	Coimbatore	+·023	+·002

Meteorological province.	Departure from normal of	
	Pressure.	Mean temperature.
	″	°
Burma Coast and Bay Islands	+·039	−0·1
Burma Inland	+·043	−2·1
Assam	+·054	−2·5
Bengal and Orissa	+·069	−3·4
Gangetic Plain and Chota Nagpur	+·061	−4·0
Upper Sub-Himalayas	+·059	−4·5
Indus Valley and North-West Rajputana	+·060	−4·0
East Rajputana, Central India, and Gujarat	+·045	−2·3
Deccan	+·035	−1·9
West Coast	+·038	−1·3
South India	+·043	−0·3

Temperature.

12. Maximum temperature had during March a distribution very similar to that of February, the readings recorded in Sind, north Rajputana, the Punjab, the United Provinces and the province of Bengal having been from 5° to 9° low on the month's average, with centres of greatest departure from the normal lying between Sirsa and Lahore in the west, and between Chaibassa and Sambalpur in the east. Excess maximum temperatures were confined to the south of the Peninsula and of Burma.

The minimum temperature map agrees with that of maximum temperature in shewing a practically unbroken area of deficiency over the whole of northern India and the north of the Peninsula, the south of the Peninsula and of Burma being the only tracts where minimum temperature was distinctly above normal. In this case, also, there were two centres of greatest departure which lay in the west by Bikaner and in the east at Saugor Island. Several stations recorded minimum temperatures in March this year lower than had been noted in their localities during March of previous years. The following table shews stations where this occurred, or where the minimum temperature closely approached previous actual minimum values :—

Comparison of lowest minima in March 1906 with those of previous years in March.

PROVINCE OR DIVISION.	Station.	Lowest minimum temperature recorded.	Date on which recorded.	Lowest minimum temperature recorded in March previous to 1906.	Year in which recorded.
		°		°	
Assam . .	Gauhati . .	43·1	2nd	45·6	1905
Bengal . .	Dinajpur . .	43·4	1st	45·5	1898
Orissa . .	False Point .	52·0	2nd	57·0	1898
Bihar . .	Motihari . .	41·7	1st	42·9	1897
United Provinces	Dehra Dun .	39·0	1st	38·5	1898
Punjab . .	Sialkot . .	38·1	1st	40·1	1897
Central India .	Nowgong .	43·5	1st	43·1	1880
West Coast .	Karwar . .	62·5	20th	62·0	1885
Madras Coast .	Gopalpur .	61·0	1st	61·9	1884

In the hills of the west Himalayas and Baluchistan deficiencies of maximum temperature were much less pronounced than in the neighbouring plains. In the south at Wellington, and at Darjeeling, defects in the hills were equal to those in the plain stations below, and at Mount Abu also, in Rajputana, this was approximately the case. Of minimum temperature, however, the hills shewed greater deficiencies than the plains, except perhaps in the south of the Peninsula.

13. Wavesof high and low temperature have, as usual, accompanied some of the depressions of the month in their eastward courses over northern India. Thus the change from the warm front to the cold rear of the first depression of the month amounted between the 11th and the 13th to 8 and 10 degrees for a large part of north-west and central India. In Kashmir a still larger fall, between 10 and 15 degrees, resulted from the depression which was passing between the 21st and the 24th.

14. From the last column in the following table of mean temperatures for March it will be seen that the mean daily range was less than usual in nearly all districts. A comparison of the Table with the cloud map on chart No. VI shews that, as was the case in February, the daily range was reduced where cloud excesses occurred, and that in Bombay, parts of Madras and along the north of the east coast, where cloud was in defect, the daily range of temperature as above its normal value.

PROVINCE.	DIVISION.	ACTUAL TEMPERATURE. Mean maximum.	Mean minimum.	Monthly mean of mean between maximum and minimum.	Mean daily range of temperature.	Absolute range during month.	DEPARTURE FROM NORMAL OF MONTH OF Maximum.	Minimum.	Daily range.
		°	°	°	°	°	°	°	°
BURMA . . .	Tenasserim	93·6	73·2	83·4	20·4	31·0	+1·2	+0·4	+0·8
	Lower Burma (Deltaic) . . .	91·1	71·9	81·5	19·3	30·6	—1·1	—0·3	—0·8
	Central do.	98·4	66·7	82·6	31·8	49·0	—0·4	—0·9	+0·5
	Upper do.	91·7	64·3	78·0	27·5	44·3	—2·9	—1·5	—1·4
	Arakan	87·0	66·9	77·0	20·1	36·8	—2·1	—2·0	—0·1
BENGAL AND ASSAM	Eastern Bengal	84·8	64·4	74·6	20·4	44·7	—3·4	—2·3	—1·1
	Assam (Surma)	82·8	61·8	72·3	21·0	41·0	—3·2	—1·4	—1·8
	Do. (Hills)	65·9	49·7	57·8	16·2	37·9	...	...	...
	Do. (Brahmaputra) . . .	79·6	59·7	69·7	19·9	39·6	—3·6	—1·6	—2·0
	Deltaic Bengal	85·4	67·1	76·3	18·4	42·4	—5·1	—3·0	—2·1
	Central do.	85·1	63·5	74·3	21·6	46·2	—7·2	—2·2	—5·0
	North do.	82·8	59·7	71·3	23·2	48·7	—3·9	—1·1	—2·8
	Bengal Hills	53·6	40·1	46·9	13·5	30·2	—2·9	—2·2	—0·7
	Orissa	88·5	69·3	78·9	19·2	40·4	—3·6	—2·3	—1·3
	Chota Nagpur	85·4	62·2	73·8	23·2	45·2	—6·4	—2·6	—3·8
	South Bihar	86·8	62·0	74·4	24·8	47·9	—5·8	—2·9	—2·9
	North do.	84·5	59·2	71·9	25·2	50·1	—4·8	—2·7	—2·1

Province.	Division.	Actual temperature. Mean maximum.	Mean minimum.	Monthly mean of mean between maximum and minimum.	Mean daily range of temperature.	Absolute range during month.	Departure from normal of month of Maximum.	Minimum.	Daily range.
		°	°	°	°	°	°	°	°
United Provinces of Agra and Oudh.	United Provinces (East)	88·2	60·0	74·1	28·2	50·8	—4·8	—2·0	—2·8
	Oudh (South)	87·3	58·3	72·8	29·0	53·1	—4·2	—2·0	—2·2
	Do. (North)	83·3	57·4	70·4	25·9	47·1	—5·7	—1·4	—4·3
	United Provinces (Central)	86·0	59·8	72·9	26·2	48·1	—5·2	—2·0	—3·2
	Do. (West)	81·6	58·4	70·0	23·3	44·2	—7·3	—1·9	—5·4
	Do. (Submontane, East)	83·4	60·5	72·0	22·9	46·1	—7·1	—2·0	—5·1
	Do. (Submontane, West)	78·2	53·7	66·0	24·4	44·1	—6·0	—3·0	—3·0
	Do. (Hills)	58·1	42·2	50·2	15·9	38·2	—4·3	—3·8	—0·5
Punjab	Punjab (South-East)	80·7	58·3	69·5	22·4	43·1	—6·7	—3·9	—2·8
	Do. (South)	78·0	55·1	66·6	22·9	45·1	—9·4	—1·7	—7·7
	Do. (Central)	75·7	54·0	64·9	21·7	44·3	—9·4	—0·2	—9·2
	Do. (Submontane)	75·0	53·3	64·2	21·7	43·5	—6·7	—1·9	—4·8
	Do. (Hills)	47·9	27·8	37·9	20·0	42·9	—1·9	—2·2	+0·3
	Do. (West)	77·8	55·5	66·7	22·4	45·5	—6·4	—1·6	—4·8
N.-W. F. Province	N.-W. F. Province	73·7	52·4	63·1	21·3	45·5	—6·1	—1·3	—4·8
Bombay and Malabar Coast Districts (Madras).	Malabar	89·5	76·0	82·8	13·6	20·6	+0·1	—0·5	+0·6
	Madras (South Central)	97·1	70·9	83·9	26·2	36·5	—0·4	+0·6	—1·0
	Coorg	84·9	62·0	73·5	22·9	34·4	+0·3	+0·2	+0·1
	Mysore	93·1	65·8	79·5	27·3	39·2	+0·7	—0·3	+1·0
	Konkan	85·3	71·1	78·3	14·2	23·7	—1·8	—2·6	+0·8
	Bombay Deccan	96·8	64·8	80·8	32·0	45·7	—0·4	—2·3	+1·9
	Hyderabad (North)	96·1	68·4	82·6	27·6	43·8	...	...	...
	Khandesh	96·4	61·8	79·1	34·6	53·5	—0·4	—1·2	+0·8
Central Provinces and Berar.	Berar	97·2	67·2	82·3	30·0	53·9	—1·5	—0·4	—1·1
	Central Provinces (West)	94·1	64·8	79·5	29·3	51·9	—3·1	—1·0	—2·1
	Do. (Central)	90·7	63·3	77·0	27·4	50·4	—3·8	—0·7	—3·1
	Do. (East)	87·7	64·2	76·0	23·5	44·6	—7·3	—2·2	—5·1
Bombay (North)	Gujarat	94·0	65·5	79·7	28·5	47·9	—2·6	—0·4	—2·2
	Kathiawar and Cutch	87·0	64·4	75·7	22·6	44·4	—4·7	—1·2	—3·5
	Sind	85·0	61·5	73·3	23·5	45·9	—5·1	—1·8	—3·3
	Baluchistan Hills	59·9	36·6	48·3	23·3	44·6	—4·7	—2·5	—2·2
Rajputana and Central India.	Central India (East)	88·2	61·0	74·6	27·2	49·6	—3·7	0	—3·7
	Rajputana (East), Central India (West)	86·2	61·1	73·7	25·2	48·7	—4·4	+0·5	—4·9
	Do. (West)	85·8	60·5	73·2	25·4	49·3	—6·6	—2·1	—4·5
Madras	East Coast (North)	87·1	72·2	79·7	14·9	29·6	—1·5	—1·6	+0·1
	Hyderabad (South)	97·5	70·7	84·1	26·8	42·8	—0·8	—0·9	+0·1
	Madras (Central)	100·4	72·2	86·3	28·2	42·6	—0·6	—0·7	+0·1
	East Coast (Central)	91·4	72·3	81·9	19·1	31·1	—2·5	—0·1	—2·4
	Do. (South)	91·1	72·5	81·8	18·5	28·1	—0·8	+0·3	—1·1
	Madras (South)	94·1	74·3	84·1	19·9	29·3	+0·3	+1·1	—0·8

Winds.

15. The most noticeable features of departure from normal conditions of the winds during March were:—

Burma Coast and Bay Islands:—Velocity except at Rangoon was above the average, especially at Diamond Island where very strong winds prevailed.

Coast round head of Bay, and neighbouring parts of the Gangetic plain and Chota Nagpur.—Velocity was from 10 to 20 per cent. less than the normal.

Indus Valley, north-west Rajputana and the upper Sub-Himalayas:—Winds were considerably more westerly than the normal, and were inclined to be weak.

Deccan:—Belgaum.—Velocity was much under normal and direction changed from north of west to south of west.

" Sholapur.—A strong change was shewn towards the west and the velocity was high.

South India:—Directions varied irregularly.

Hill stations, northern and central India:—Winds were steadier and had a more southerly tendency than usual. At Srinagar, Simla and Darjeeling velocities were low, at Leh in Further Kashmir high, and at other stations normal.

Humidity and cloud.

16. *Humidity*:—The conditions of absolute and relative humidity are shown on the charts of Plate V. They agreed with one another fairly closely in the magnitude of their departures except in parts of the United Provinces, the north of Madras and northern Burma. The large excess humidity of February, which held across the whole of northern India, persisted throughout March, although the rainfall in those regions had become greatly reduced. The area of very large excess which had in February embraced Bengal, Chota Nagpur and the east of the Central Provinces disappeared in March, and those regions will be seen on Plate V to have formed part of the band of 10 per cent. excess which stretched from Baluchistan in the west to Bengal in the east.

Bombay and the west of the Central Provinces comprise nearly the whole of the land area where relative humidity was in defect, and the amounts of departure there were small compared with the excess in the north: only in a small tract round Bellary and Belgaum did the defect reach 10 per cent. below normal.

Humidity at hill stations presented no feature for special remark, for there was a general agreement between hill and plain over the whole of India, except perhaps in Burma. The tendency towards defect in Kashmir is partly accounted for by the mean temperatures experienced there, and is in any case in keeping with the humidity gradients in the north-west.

17. *Cloud*:—Departure of cloud amount, Plate VI, chart 1, followed that of relative humidity closely. Cloud was in excess practically everywhere except on the west coast, in the Bombay Deccan and along the coast line Burma.

A noticeable character, which appears to have been a development of a tendency shown in February, was the very large excess affecting the districts round Allahabad, Nowgong and Sutna; at the last place a mean excess of more than half the visible sky area resulted from the persistence of cloudy skies throughout the month.

The average conditions of humidity and cloud for nine meteorological provinces are shown below:—

METEOROLOGICAL PROVINCE.	MEAN ABSOLUTE HUMIDITY.		MEAN RELATIVE HUMIDITY.		MEAN CLOUD AMOUNT.	
	Average actual.	Departure from normal.	Average actual.	Departure from normal.	Average actual.	Departure from normal.
	"		%			
Burma Coast and Bay Islands.	·766	−·025	74	− 1	1·6	−0·7
Bengal and Orissa .	·693	−·051	75	−.2	3·9	+0·7
Gangetic Plain and Chota Nagpur.	·351	+·030	46	+ 8	4·1	+1·8
Upper Sub-Himalayas.	·370	+·035	62	+11	3·5	+0·1
Indus Valley and North-West Rajputana.	·462	+·033	66	+10	4·2	+0·6
East Rajputana, Central India and Gujarat.	·274	−·017	34	+ 1	3·4	+0·7
Deccan . . .	·325	−·023	34	− 2	1·9	0
West Coast . . .	·697	−·062	76	0	1·1	−0·3
South India . . .	·548	+·007	55	+ 1	2·7	+0·2

Rainfall.

18. The rainfall of March is shown on the chart of Plate VII, and the normal values and departures therefrom on Plate VIII. Large excesses occurred in Baluchistan, the Punjab, Sind, Rajputana, the west of the United Provinces, Central India, the Central Provinces, and in the greater part of Madras. The various percentage amounts are shown in the last column of the table below:—

DIVISION.	RAINFALL.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	Inches.	Inches.	Inches.	
Baluchistan . . .	2·94	1·16	+1·78	+153
South East Punjab .	1·23	0·36	+0·87	+242
South Punjab . .	1·28	0·41	+0·87	+212
Punjab Submontane .	2·59	1·10	+1·49	+135
Sind	0·51	0·16	+0·35	+219
Rajputana East, Central India West.	0·40	0·19	+0·21	+111
West Rajputana . .	0·27	0·07	+0·20	+286
United Provinces, West .	1·12	0·32	+0·80	+250
Central Provinces, West .	0·79	0·34	+0·45	+132
Central Provinces, Central	1·26	0·50	+0·76	+152
Central Provinces, East .	2·70	0·64	+2·06	+322
East Coast, Central .	0·54	0·16	+0·38	+238
East Coast, South .	0·54	0·25	+0·29	+116

In Bombay, excluding Sind, and in Burma where the normal amounts for March are small, practically no rain

fell. A moderate deficit which occurred in Assam graded into a similar excess westwards over Bengal.

Of "rainy" days, on which the falls equalled or exceeded one-tenth of an inch, the excesses and defects were in general agreement with those of rainfall, but for Assam the figures indicate that the rainfall, while it lasted, was lighter than usual.

In the earlier part of the month light snowfall occurred in Kashmir, and light rain fell in Baluchistan and locally in the North-West Frontier Province and the province of Eastern Bengal and Assam. The snowfall in Kashmir and rainfall in northern India between the 10th and the 15th was due to the passage of the first depression of the month from Baluchistan to Bengal and Burma.

In the Central Provinces, Chota Nagpur and Orissa local rain resulted from the second depression between the 16th and the 19th, and on the latter day nearly general rain was reported to have fallen over Eastern Bengal and Assam and on the Circars coast.

Further rain in the Central Provinces, especially in the eastern portion, characterised the passage of the fourth depression during the 20th and 21st.

In the period from the 21st to the 25th rain fell in the North-West Frontier Province, Sind, Rajputana, the Punjab and the west of the United Provinces, and was due chiefly to the influence of a shallow southern branch of the fifth depression in the month, of which the deeper centre lay beyond the northern limit of Kashmir.

19. The following table gives detailed information regarding rainfall for the 57 meteorological divisions, with notes as to its association with the several cold weather storms:—

Province.	Rainfall division.	Number of rainy days.		Rainfall.				Periods.	Remarks.
		Average actual.	Normal, March.	Average actual.	Normal, March.	Departure from normal.	Percentage departure.		
				Inches.	Inches.	Inches.	Per cent.		
Burma	Tenasserim	0	1·4	0·09	0·83	—0·74	— 89		
	Lower Burma (Deltaic)	0	0·3	0	0·17	—0·17	—100		
	Central do.	0·1	0·1	0·01	0·02	—0·01	— 50		
	Upper do.	0·5	0·8	0·14	0·29	—0·15	— 52		
	Arakan	0·1	0·4	0·02	0·28	—0·26	— 93		
Bengal and Assam	Eastern Bengal	3·0	3·3	1·78	2·33	—0·55	— 24	8th	
	Assam (Surma)	6·2	8·9	3·26	7·49	—4·23	— 56	13—15	Depression 1
	Do. (Hills)	6·6	6·0	3·21	4·15	—0·94	— 23	19—20	„ 2
	Do. (Brahmaputra)	6·6	6·5	3·71	3·58	+0·13	+ 4	24—26	
	Deltaic Bengal	3·6	2·3	2·16	1·42	+0·74	+ 52		
	Central do.	3·6	1·4	1·51	0·79	+0·72	+ 91		
	North do.	2·4	1·9	1·26	1·26	0	0		
	Bengal Hills	3·9	3·8	2·24	1·84	+0·40	+ 22		
	Orissa	2·6	1·8	1·32	1·09	+0·23	+ 21		
	Chota Nagpur	3·7	1·4	1·41	0·71	+0·70	+ 99		
	Bihar (South)	1·1	0·7	0·46	0·34	+0·12	+ 35		
	Do. (North)	0·8	0·8	0·21	0·38	—0·17	— 45		
United Provinces of Agra and Oudh.	United Provinces (East)	1·0	0·7	0·39	0·26	+0·13	+ 50	22—25	„ 5
	Oudh (South)	0·9	0·6	0·24	0·27	—0·03	— 11		
	Do. (North)	0·6	0·8	0·15	0·40	—0·25	— 63		
	United Provinces (Central)	1·2	0·6	0·44	0·26	+0·18	+ 69		
	Do. do. (West)	2·3	0·9	1·12	0·32	+0·80	+ 25		
	Do. do. (East Sub montane)	0·9	0·7	0·17	0·31	—0·14	— 45		
	Do. do. (West do.	2·4	1·5	0·99	0·70	+0·29	+ 41		
	Do. do. (Hills)	2·6	2·6	1·11	1·43	—0·32	— 22		
Punjab	Punjab (South-East)	2·7	0·9	1·23	0·36	+0·87	+242	9—12	
	Do. (South)	3·0	0·9	1·28	0·41	+0·87	+212	11—15	„ 1
	Do. (Central)	3·5	1·8	1·26	0·82	+0·44	+ 54	22—28	„ 5 and general unsettled weather thereafter.
	Do. (Sub-montane)	5·0	2·1	2·59	1·10	+1·49	+135	25—29	
	Do. (Hills)	7·4	4·3	4·68	2·52	+2·16	+ 86	31	
	Do. (West)	2·6	1·2	0·97	0·50	+0·47	+ 94		
N.-W. F. Province	North-West Frontier Province	5·0	3·8	2·23	2·08	+0·15	+ 7	4, 11, 22—26	Depression 5
Bombay and Malabar Coast Districts (Madras).	Malabar	0·1	0·1	0·03	0·57	—0·54	— 95		
	Travancore	1·4	...	0·92	...	...	...		
	Madras (South, Central)	0·6	0·8	0·34	0·41	—0·07	— 17		
	Coorg	0·2	...	0·08	...	...	...		
	Mysore	0·2	0·7	0·10	0·32	—0·22	— 59		
	Konkan	0	0·1	0	0·06	—0·06	—100		
	Bombay Deccan	0	0·5	0	0·25	—0·25	—100		
	Hyderabad North	0·4	0·8	0·37	0·34	+0·03	+ 9		
	Khandesh	0	0·2	0	0·07	—0·07	—100		

Province.	Rainfall division.	Number of rainy days.		Rainfall.				Periods.	Remarks.
		Average actual.	Normal, March.	Average actual.	Normal, March.	Departure from normal.	Percentage departure.		
				Inches.	Inches.	Inches.	Per cent.		
Central Provinces and Berar.	Berar	0·3	0·7	0·10	0·32	−0·22	− 69	16–19	Depression 2
	Central Provinces (West)	1·9	0·7	0·79	0·34	+0·45	+132	21–22	,, 4
	Do. (Central)	2·8	1·0	1·26	0·50	+0·76	+152		
	Do. (East)	4·4	1·4	2·70	0·64	+2·06	+322		
Bombay (North)	Gujarat	0	0	0	0·01	−0·01	−100	3–4	
	Kathiawar and Cutch	0	0·1	0	0·02	−0·02	−100	21–23	,, 5
	Sind	1·5	0·4	0·51	0·16	+0·35	+219	31	
	Baluchistan Hills	7·6	3·2	2·94	1·16	+1·78	+153		
Rajputana and Central India.	Central India (East)	0·7	0·4	0·31	0·18	+0·13	+ 72	23–25	,, 5
	Rajputana (East), Central India (West).	1·1	0·5	0·40	0·19	+0·21	+111		
	Do. (West)	0·8	0·2	0·27	0·07	+0·20	+286		
Madras	East Coast (North)	1·0	0·9	0·56	0·47	+0·09	+ 19		
	Hyderabad South	0·2	0·8	0·08	0·49	−0·41	− 84		
	Madras (Central)	0·1	0·2	0·04	0·16	−0·12	− 75	1	
	East Coast (Central)	0·7	0·1	0·54	0·16	+0·38	+238	18–19	
	Do. (South)	1·0	0·3	0·54	0·25	+0·29	+116		
	Madras (South)	1·4	1·5	0·98	0·91	+0·07	+ 8		

20. Over the eleven meteorological provinces of the Empire the rainfall of the month was distributed as is shown in the following table :—

Meteorological Province.	Rainfall.			
	Mean actual. (*a*)	Normal March. (*b*)	Departure from normal. (*c*)	Percentage departure from normal.
	Inches.	Inches.	Inches.	
Burma Coast and Bay Islands	0·11	0·69	−0·60*	−87
Burma, Inland	0·20	0·22	−0·19*	−86
Assam	3·57	4·41	−0·84	−19
Bengal and Orissa	1·69	1·48	+0·17*	+11
Gangetic Plain and Chota Nagpur	0·64	0·51	+0·13	+25
Upper Sub-Himalayas	1·76	0·79	+0·91*	+115
Indus Valley and North-West Rajputana.	0·84	0·55	+0·29	+53
East Rajputana, Central India and Gujarat.	0·24	0·12	+0·15	+125
Deccan	0·79	0·43	+0·23	+53
West Coast	0·24	0·51	−0·27	−53
South India	0·68	0·45	+0·22*	+49

* A reference to Table I will show that some of the stations contained in the Province of the above table have not yet had normal values of rainfall assigned to them. The figures, therefore, of columns *b* and *c* are based on a smaller number of stations than are those of column *a*, and hence the sum of the figures in columns *b* and *c* will not in general agree with the figures in column *a*.

21. In the extra-Indian stations to the west of India, rainfall was in fairly general defect; in the southern Indian Ocean a considerable excess occurred at Zanzibar, and an almost normal fall to the east of that station at Seychelles. The actual amounts are given in the following table :—

Station.	Rainfall.			
	Actual.	Normal. March.	Departure from normal.	Percentage departure from normal.
	Inches.	Inches.	Inches.	
Trincomalee	0·18	1·45	−1·27	− 88
Colombo	4·48	4·45	+0·03	+ 1
Minicoy	0·96	0·98	−0·02	− 2
Amini Divi	0	0	0	0
Kabul	1·98	4·90	−2·92	− 60
Kashgar	0·05	0·20	−0·15	− 75
Meshed	3·16	2·43	+0·73	+ 30
Teheran				
Ispahan	0·34	0·99	−0·65	− 66
Bushire	0·03	1·00	−0·97	− 97
Jask	0·38	1·15	−0·77	− 67
Muscat	1·45	1·05	+0·40	+ 38
Baghdad	0·38	1·60	−1·22	− 76
Aden	0	0·87	−0·87	−100
Perim	0·02	0·27	−0·25	− 93
Zanzibar	10·63	6·50	+4·13	+ 64
Seychelles	12·25	13·01	−0·76	− 6
Mauritius	11·15	9·94	+1·21	+ 12

Snowfall.

AFGHANISTAN.

22. (1) *Kabul*:—Light snow fell on three days early in the month, and again on the 8th; to a total depth of 16 inches, and 0″·36 of rain fell during two or three days in the third and fourth weeks. The surrounding hills were covered with snow, but there was no accumulation in the plains; snowfall, however, was decidedly greater than in the previous year, and there was much cloud. Paghman range was covered at the end of the month.

(2) *Wano*:—On the 22nd, 24th and 26th snow storms occurred, giving the following amounts:—

		Feet.	Inches.
22nd March	Marwatti	10,000	3
24th March	Kundighar	8,000	2
	Kotkun	7,900	1
	Pirghal	11,000	2
	Janimela	8,000	2
	Marwatti	10,000	3
26th March	Kundighar	8,000	2
	Pirghal	11,000	2
	Janimela	8,000	1
	Marwatti	10,000	2

Snowfall is reported to have been of normal depth. Marwatti was covered in patches down to a level of 7,000′.

(3) *Kurram*:—On twelve days during the first three weeks of March snow fell on Sufed Koh and the surrounding hills, and at Parachinar on one day. There were accumulations of 1 foot at Peiwar and 6 inches at Parros. Weather was normal generally, and snowfall not heavier than in March last year. Passes were open by the end of the month.

(4) *Kohat*:—Snow fell on the 2nd, 3rd and 4th at Fort Lockhart, Samana, to a depth of 1′ 3″, and on the 14th to a depth of 2 inches at Hamal Mahurah, Maziaghar, Mauleghar and Landokha. The total snowfall is held to have been less than in March 1905.

(5) *Hazara Forest Division*:—Kagan Range.—On ten days snowfall occurred, chiefly towards the end of the month. The amount was 4′ 8″ at Malkandi (4,000′), 9′ 11″ at Kagan (6,000′) and 29′ 2″ at Naran (8,000′).

KASHMIR AND THE PUNJAB.

23. (1) *Leh*:—On the 12th and 13th there were falls amounting to 1½″. No accumulation lower than 14,000′ remained at the end of the month and reports shew that snowfall was lighter and weather warmer than usual.

(2) *Gulmarg, Sonemarg, Dras and Skardu*:—Snowfall was frequent and heavy. On the Kargil hills three falls occurred. At Sonemarg an active storm on the 22nd and 23rd gave the unusual depth of 7′ 10″ of snow.

(3) *Rawalpindi*:—There was no snowfall during March in the Murree hills.

(4) *Chamba Forest Division*:—The following falls were recorded:—

		Ft.	Ins.	
Dalhousie Range,	Kalatop	1	5	on 12th, 15th, 17th and 23rd.
	Kainthli	1	1	on 12th, 15th, and 17th.
Chamba range,	Barmaur	1	8	on 22nd and 23rd, etc.
	Ulansa	1	3	Ditto.
Bhandal Range,	Langera	3	6	on 10th, 11th, 22nd, 23rd, 27th and 31st.
	Bhent	1	6	on 10th, 11th, 22nd, 23rd, 27th and 31st.
Tisa Range,	Chatri	0	4	on the 23rd
	Alwas	1	0	on 17th and 23rd
	Tisa	0	1	on 23rd.
	Khangu	0	5	on 17th and 23rd.

Accumulations at the end of March were:—

	′	″
Chamba Range—		
Barmaur	2	6
Ulansa	2	5
Bhandal Range—		
Langera		6
Bhent		4
Padri Pass		14
Tisa Range—		
The observatories were clear of snow		
Pangi Range—		
Kilar	3	10

Snowfall was lighter on the Dalhousie, Chamba and Tisa ranges than in March last year. Weather warmer than usual was reported from the Tisa and Pangi Ranges, and colder from the Chamba and Bhandal ranges.

The Sach pass remained closed, and at Kilar there was an accumulation of 46 inches at the end of the month.

(5) *Kilba, Simla.*—Snow fell on six days as follows:—

11th	down to	8,000	feet where depth	was	4 inches.
12th	„	5,750	„ „	„	1 inch.
23rd	„	11,000	„ „	„	1 „
24th	„	6,000	„ „	„	2 inches.
25th	„	8,000	„ „	„	2 „
27th	„	10,000	„ „	„	1 inch.

All passes remained closed on the 31st, and the depths of accumulation were then:—

Rupan pass	16,000 feet	12 feet.
Bruin pass	16,000 „	12 „
Harang pass	12,000 „	6 „
Shatul pass	15,000 „	11 „
Bulder pass	16,000 „	14 „
Runang pass	14,000 „	10 „

Weather throughout March was unusually cold.

(6) *Kulu*:—From the 12th to the 14th, and the 21st to the 25th, snow fell in both tehsils of Kulu and Seoraj on the higher passes and peaks down to 4,500 feet.

The following table gives the depths of accumulation in

passes, all of which with the exception of the Dulchi pass remained closed :—

Kulu.		*Scoraj.*	
Rohtang	17 feet.	Siri Kand	20 feet.
Hamta	30 „	Chul	12 „
Chandar Khani	14 „	Hingan	8 „
Barsai	8 „	Dundku	11 „
Puja Dhar	9¼ „	Tikkar	7 „
Lohri Achhri	10 „	Ramgarh	4 „
Bhubu	7 „	Tuhnu	7 „
Mujhang	2 „	Raghopur	8 „
Bashtari	10 „	Jalori	10 „
Sairi	12 „	Bhimbri	4 „
		Sakiran	7 „
		Gargarasan	10 „
		Supakun	9 „
		Bashleo	14 „
		Plach	18 „
		Tirath	18 „

Snowfall was considered to have been excessive, skies more cloudy than during March 1905, but the weather not colder than usual.

(7) *Kangra, Kailang:*—On the 12th, 23rd, 24th, 25th, 27th and 31st a total of 1′ 7″ of snow was received.

24.—UNITED PROVINCES.

Almora :—The following snowfall reports have have received :—

	Ft.	Ins.
Malla Johar—1st March	0	6
8th „	1	0
9th „	1	6
13th „	1	6
14th „	0	6
21st „	2	0
22nd „	1	0
31st „	1	6
	9	6
Malla Danpur—15th March	1	0
22nd „	1	6
31st „	0	6
	3	0

Malla Darma Nirwe Pass:—

	Ft.	Ins.		Ft.	Ins.
2nd March	2	9	18th March	1	6
5th „	1	6	19th „	1	9
7th „	1	3	20th „	2	6
11th „	1	9	22nd „	1	6
13th „	1	3	23rd „	2	3
14th „	2	0	31st „	3	0
				23	0

Chandans, Binkara pass:—

	Ft.	Ins.		Ft.	Ins.
7th March	2	0	13th March	1	9
9th „	2	0	14th „	0	9
10th „	2	0	17th „	1	6
			18th „	1	6
				11	6

Byans :—

	Ft.	Ins.
4th March	2	4
12th „	3	6
14th „	4	2
22nd „	3	0
27th „	2	6
	15	6

Accumulations at the close of the month :—

	Ft.	Ins.
Unta Dhura	30	0
Ralam Dhura	27	0
Millam Dhura	21	0
Pindari peak	3	0
Kaphini peak	3	0
Kantela peak	3	0
Nirwe pass	47	0
Binkara pass	26	0
Lipu Lekh pass	30	0
Lampia pass	31	0

Snowfall was not greater than last year, but weather was more cloudy than usual.

25.—ASSAM.

(1) *Lakhimpur* :—Reports from hill Miris and Duflas state that the snowfall in the hills to the north of north Lakhimpur was greater than normal in the year 1st April 1905 to 31st March 1906.

(2) *Darrang.*—Snowfall is reported by the Akas and the Duflas to have been excessively heavy during the year 1st April 1905 to 31st March 1906.

Crop Report.

26. *Burma.*—Some slight rain fell at times and sowing of early wet weather paddy was begun locally. Standing crops were on the average in good condition.

Eastern Bengal and Assam.—Rainfall was widespread and weather seasonable, and the crop prospects for tea and sugarcane were fair.

Bengal.—Rain fell generally and in each week of the month, giving good water supply over the whole province. Fodder was sufficient except in parts of Darbhanga and the Sonthal Parganas, and the general prospects remained fair.

United Provinces.—There was practically general rainfall during the month, and in the case of poppy crops some damage was caused thereby. Very great damage followed the course of a hailstorm which passed through the districts of Meerut, Aligarh, Agra, Etawah and Cawnpore on the 26th. Cattle were in fair condition. The number of people on relief increased during the month.

Punjab.—Rain fell throughout the month, all parts of the province being watered. Hail, green fly and rust did damage locally ; but prospects were on the whole good to fair, and prices falling in many districts.

North-West Frontier Province.—All conditions were good and rainfall and fine weather were well proportioned. Crops at the close were good, fodder sufficient and cattle looking well.

Jummoo.—Water and fodder were ample, and the condition of standing crops was good.

Rajputana.—Rainfall occurred in the latter half of the month and in places did damage. Hail also and strong winds were destructive in parts. Scarcity of fodder and poor condition of cattle were reported locally.

Central India.—Hail did some damage in parts of Bhopal, Indore and Malwa ; agricultural stock and pasturage were in bad condition in Gwalior. Crop prospects varied from normal to poor.

Central Provinces.—Most districts received rain during the second week, and there was a certain amount of damage to crops attributable to hail and frost. Fodder was generally sufficient.

Bombay.—Rainfall was wanting except in the northern districts, Sind and Cutch, where light and moderate falls damaged the standing wheat crops. Water-supply was generally short in affected districts and the number on relief increased steadily throughout the month. The cost when of fodder was very high and cattle had lost condition the month closed.

Hyderabad.—Good rain fell in the third week in some districts, but some damage resulted from accompanying hail storms. Fodder and water scarcity occurred in many talukas.

Mysore.—Standing crops were in good condition in Bangalore and in parts of Mysore, and moderate to fair elsewhere. In Kolar early rain was wanted at the end of the month to give favourable prospects, but in other parts these were already fair. Cattle were healthy and fodder was sufficient in most districts.

Madras.—Rain fell in the middle of the month chiefly in the Nilgiris. Irrigation supplies were insufficient except in Cuddapah, the Carnatic, South Canara and the Nilgiris. Standing crops were generally fair but were locally in want of water ; they were withering in parts of Coimbatore, Tanjore and Madura. Pasture was largely insufficient, and in parts of Salem, Coimbatore and Tanjore there was scarcity of fodder throughout the month, but cattle were in good coodition at its close.

J. H. FIELD.

TABLE I.—Abstract of Observations taken at 8 h. at 234 Stations in India, Burma, etc., in March, 1906.

Tabl

Abstract of Observations taken at 8 h. at 2

Number of rainfall division.	Station.	Elevation of barometer above sea-level, in feet.	Pressure, 8 h., in inches.								Temperature of air.												
			Mean 8 h. pressure reduced to 32°.	Departure from normal.	Mean 8 h. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 h. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	2
	I.—Burma Coast and Bay Islands.			+·039								92·3	0	72·4	−0·1	82·3	−0·1	19·9					31
1	Car Nicobar	25	29·954		29·906	30·043	5th	29·888	29th	·155	83·4	90·0		79·5		84·7		10·5	92·6	27th	74·2	13th	18
	Port Blair	61	29·925	+·033	29·927	30·033	6th	29·877	26th	·156	78·7	90·5	−0·6	75·8*	−0·6*	85·0*	−0·6*	14·7	94·6	29th	70·9	7th	2
	Slipper Island	90	30·005			30·092	9th	29·930	19th	·162													
	Mergui†	96	29·903	+·042	29·928	30·015	9th	29·820	19th	·195	80·6	93·0	+1·8	74·3	+2·4	83·6	+2·1	18·7	99·4	26th	69·4	8th	30
	Tavoy	26	29·950	+·043	29·941	30·109	9th	29·915	23rd	·194	75·9	95·3	+2·0	70·6	+0·4	83·0	+1·2	24·7	99·0	27th & 30th.	62·8	13th & 14th.	36
	Moulmein	94	29·892	+·032	29·925	30·004	9th	29·811	31st	·193	78·0	95·7	+1·6	72·2	−0·5	84·0	+0·6	23·5	99·9	22nd & 27th.	65·9	14th	34
	Rangoon	57	29·957	+·054	29·952	30·058	9th	29·868	31st	·190	74·3	96·1	−0·5	70·5	−0·6	83·3	−0·6	25·6	102·1	24th & 26th.	64·3	4th	37
	Baseein	27?	29·966	+·044	29·930	30·075	9th	29·874	31st	·201	75·7	94·1	−0·3	70·3	−0·2	82·2	−0·3	23·8	100·7	29th & 31st.	62·4	5th	38
	Diamond Island	41	29·951	+·027	29·927	30·052	9th	29·860	31st	·192	78·6	83·2	−2·4	74·8	−0·2	79·0	−1·3	8·4	87·8	27th	72·2	2nd & 12th.	15
5	Akyab	20	29·961	+·036	29·944	30·084	9th	29·895	28th	·189	70·6	87·0	−2·1	66·9	−2·0	77·0	−2·1	20·1	92·9	30th	56·1	2nd	36
3	Toungoo	183	29·794	+·041	29·922	29·896	7th	29·703	28th	·193	76·0	97·6	−0·2	68·8	+0·3	83·2	+0·1	28·8	103·9	31st	62·6	5th & 11th.	41
	II.—Burma Inland.			+·043								92·8	−2·4	64·3	−1·6	78·5	−2·1	28·5					46
3	Thayetmyo	121	29·827	+·020	29·891	29·938	6th	29·722	28th	·216	79·3	99·2	−0·6	64·5	−2·0	81·9	−1·3	34·7	103·0	29th & 30th.	51·4	4th	56
4	Minbu	*165*	29·787	+·033	29·859	29·901	6th	29·681	28th	·220	74·7	96·4	−2·9	67·0	−2·3	81·7	−2·6	29·4	106·2	29th	54·0	3rd	52
	Yamethin	657	29·289	+·033	29·909	29·995	7th & 8th.	29·181	28th	·214	75·0	96·2	−2·9	67·7	−0·4	81·9	−1·7	28·5	105·3	29th	61·2	21st	44
	Monywa	*280*	29·716		29·937	29·839	6th	29·603	28th	·236	73·3	94·2		66·8		80·5		27·4	103·7	29th	58·1	1st & 3rd.	45
	Mandalay	250	29·715	+·054	29·919	29·843	6th	29·591	28th	·252	73·9	96·4	−1·3	66·9	−1·0	81·7	−1·2	29·5	105·1	29th	57·2	3rd	47
	Myitkyina	958	29·533		29·969	29·635	6th	29·453	31st	·182	65·1	82·6		59·2		70·9		23·4	87·5	24th & 30th.	52·1	1st & 2nd.	35
	Bhamo	*381*	29·610	+·074	29·962	29·737	8th	29·468	15th	·269	64·7	84·5	−4·5	57·7	−2·4	71·1	−3·5	26·8	91·9	29th	51·2	1st & 2nd.	40
4(*a*)	Maymyo	3,545	26·458		26·443	26·607	6th	26·402	19th	·205	61·8	79·7		50·9		65·3		28·8	94·4	31st	41·6	1st	52
	Lashio	*2,751*	27·151	+·022	27·103	27·270	6th	27·057	19th	·213	62·6	86·1	−0·1	53·3	−2·4	69·7	−1·2	32·8	92·6	27th	44·0	2nd	48
	III.—Assam.			+·054								80·1	−3·4	60·1	−1·5	70·1	−2·5	20·1					39
7	Silchar	104	29·904	+·047	29·965	30·018	5th	29·749	28th	·269	67·3	82·8	−3·2	61·8	−1·4	72·3	−2·3	21·0	90·5	29th	49·5	1st & 2nd.	41
9	Sibsagar	333	29·671	+·045	29·976	29·813	9th	29·501	28th	·312	61·9	75·6	−3·5	59·0	−1·0	67·3	−2·3	16·6	83·3	23rd	49·9	1st	33
	Dhubri	115	29·869	+·069	29·945	29·990	9th	29·657	28th	·333	68·1	82·9	−3·6	61·2	−2·2	72·1	−2·9	21·7	95·2	29th	49·8	1st	45
	Gauhati	195	29·802		29·961	29·907	3rd	29·605	28th	·302	64·8	83·3		58·6		70·9		24·7	92·5	30th	43·1	2nd	49
	Tezpur	252	29·742		29·964	29·675	9th	29·546	28th	·329	64·6	80·6		60·5		70·6		20·1	87·1	29th	50·5	1st	36
	Dibrugarh	353	29·645		29·974	29·782	9th	29·488	28th	·294	62·1	75·5		59·2		67·4		16·3	84·2	23rd	50·9	1st	33
	IV.—Bengal and Orissa.			+·069								85·3	−4·6	64·6	−2·2	75·0	−3·4	20·7					44
6	Chittagong	87	29·919	+·054	29·957	30·009	3rd	29·807	28th	·202	71·5	85·1	−1·6	64·9	−2·7	75·0	−2·2	20·2	91·2	27th	52·1	2nd & 3rd.	39
	Noakhali	43	29·948		29·939	30·042	6th	29·828	28th	·214	72·6	83·8		65·3		74·5		18·5	90·7	30th & 31st.	48·1	2nd	42
	Comilla	36	29·958		29·943	30·056	3rd	29·821	28th	·235	71·0	86·1		65·0		75·5		21·1	94·3	4 days	49·3	1st	45
	Sirajganj	49	29·940		29·941	30·052	3rd	29·782	28th	·270	67·8	84·0		61·9		73·0		22·1	94·8	29th	46·0	1st	48
	Narayanganj	26	29·978	+·077	29·953	30·081	2nd	29·846	28th	·235	70·3	85·3	−4·7	65·8	−2·4	75·5	−3·6	19·5	94·6	30th	51·8	1st	42
	Barisal	12	29·987	+·070	29·946	30·088	3rd	29·871	29th	·217	73·6	86·1	−3·2	66·7§	−2·5§	77·0§	−2·9§	19·4	95·3	30th	50·2	1st	45
	Mymensingh	63	29·941	+·072	29·956	30·051	3rd	29·792	28th	·259	69·1	82·9	−4·0	62·8	−1·6	72·9	−2·8	20·1	93·7	29th	47·5	1st	46
	Faridpur	46	29·953		29·950	30·053	3rd	29·816	28th	·237	70·0	84·9		62·5		73·7		22·4	94·3	30th	46·0	1st	48
10	Jessore	33	29·956	+·065	29·937	30·071	3rd	29·819	28th	·252	71·9	85·0	−7·4	65·3	−2·9	75·2	−5·2	19·7	94·0	30th	48·1	1st	45
	Calcutta (Alipore)	21	29·975	+·070	29·942	30·091	1st, 2nd, & 3rd.	29·861	28th	·230	72·4	85·7	−5·1	67·5	−2·0	76·6	−3·6	18·2	92·9	30th & 31st.	51·9	1st & 2nd.	41
	Saugor Island	25	29·970	+·068	29·940	30·091	3rd	29·868	31st	·223	75·9	84·5	−2·7	71·0	−4·0	77·8	−3·4	13·5	89·9	29th	53·9	2nd	36

* Mean of 17 days. † Observations of 30 days. § Mean 18 days.

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

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

NOTE 2.—The data from which divisional means of the figure

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

I.

Stations in India, Burma, etc., in March 1906.

Wind Direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	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 h. Mean humidity at 8 h.	Departure from normal.	Mean vapour tension at 8 h.	Departure from normal.	Cloud. Mean cloud amount at 8 h.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st Dec. 1905 to 31st March 1906.	Normal rainfall for period, 1st Dec. to 31st March.	Departure from normal of period, 1st Dec. 1905 to 31st March 1906.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
1														81	+1	·775	—·001	2·8	−0·5				0·11	0·69	—0·60					I.—Burma Coast and Bay Islands
4	4	15						2	N 29° E	4·4			4·4	74		·850		9·9		1			0·30			23·46			0·30	Car Nicobar.††
	1	3					9	18	N 51° W	4·2	4·4	− 5		86	+3	·847	—·016	2·3	−0·5	0			0	0·40	−0·40	15·01	8·44	+6·57	0	Port Blair.
	19		1				11		N 14° W	1·2																				Slipper Island
25		3		1	1				N 81° E	3·0	2·0		2·7	82	+1	·839	+·004	2·8	−0·6	1	4·70	−3·70	0·76	3·28	−2·52	3·02	6·30	−3·28	0·76	Mergui.†
31									Calm	1·5				81	−4	·724	—·047	1·2	−1·2	0	1·60	−1·60	0	1·24	−1·24	0·75	2·16	−1·41	0	Tavoy.
23		1	4	2		1			S 75° E	1·8	3·0	−40	2·0	81	+1	·776	—·010	3·5	+1·6	0	0·60	−0·60	0	0·36	−0·36	0	1·02	−1·02	0	Moulmein.
12	1	1	2	1	6		6	2	S 49° W	5·6	5·0	+12	5·1	81	−4	·810	+·074	2·1	+0·1	0	0·50	−0·50	0	0·20	−0·20	0·02	0·72	−0·70	0	Rangoon.
5	1					2	10	13	N 67° W	7·0 **	4·9	+43		82	−2	·739	—·039	1·6	−0·4	0	0	0	0	0·01	−0·01	2·71	0·57	+2·14	0	Bassein.
4	10	1		1				15	N 24° W	1·4	7·9	−82	1·4	76	0?	·757	—·003	1·5	−1·3	0	0	0	0	0·05	−0·05	2·23	1·03	+1·20	0	Diamond Island.
	18	13							N 18° E	4·8	3·7	+30	4·6	85	+3	·648	—·054	1·8	−0·6	0	0·60	−0·60	0	0·52	−0·52	2·90	1·40	+1·50	0	Akyab.
15	3	1		1	1	6		4	N 84° W	9·3‡	2·8	+232	9·2‡	83	+9	·783	+·086	0·9	−1·2	0	0·30	−0·30	0	0·11	−0·11	0·33	0·51	−0·18	0	Toungoo.
														65	0	·512	—·021	2·0	+0·2				0·20	0·22	−0·19					II.—Burma Inland.
26	1		1		2		1		S	5·1	5·2	− 2		55	− 4	·555	+·004	0·4	−0·2	0	0·10	−0·10	0	0·03	−0·03	1·16	0·24	+0·92	0	Thayetmyo.
5	5			3		8	3	7	N 79° W	5·6			6·7	52	−6	·458	—·069	1·2	+0·7	0	0·10	−0·10	0	0·04	−0·04	2·14	0·70	+1·44	0	Minbu.
13		1		11	4			2	S 37° E	3·6			3·8	59	0	·517	—·019	0	−0·7	0	0·30	−0·30	0	0·21	−0·21	0·36	1·16	−0·80	0	Yamethin.
23						2	6		N 56° W	1·3			1·4	59		·492		3·1		0	0·50	−0·50	0	0·23	−0·23	1·26	0·39	+0·87	0	Monywa.
13	9				5	3		1	N 47° W	4·2			4·2	60	+6	·496	—·012	1·1	−0·2	0	0·40	−0·40	0	0·16	−0·16	2·34	0·55	+1·79	0	Mandalay.
4		10	15	2					N 76° E	3·1			3·1	90		·560		4·5		5			1·24			3·72			0·40	Myitkyina.
8		18	1	2		1	1		N 52° E	1·1			1·3	83	+4	·509	—·011	3·7	+1·5	0	1·90	−1·90	0·17	0·66	−0·49	4·68	2·19	+2·49	0·09	Bhamo.
23		1				5	2		S 59° W	3·8				72		·399		1·0		0	0·90	−0·90	0	0·34	−0·34	2·42	1·15	+1·27	0	Maymyo.
8	2	9	7	3	1	1			N 73° E	4·7				69	−3	·395	—·025	2·1	−2·6	1			0·19	0·58	−0·39	3·10	1·92	+1·18	0·16	Lashio.
														85	+1	·525	—·015	4·6	+0·4				3·57	4·41	−0·84					III.—Assam.
31									Calm	0	3·3	−100	0	84	+2	·580	—·007	4·0	−0·9	5	10·80	−5·80	2·64	8·61	−5·97	6·86	12·10	−5·24	1·12	Silchar.
2	4	20			1	2		2	N 35° E	3·8	2·3	+36	3·5	95	+2	·527	—·029	8·6	+2·4	10	9·80	+0·20	9·13	5·11	+4·02	13·53	8·97	+4·56	2·85	Sibsagar.
	1	6	14	2	2	4	2		S 86° E		6·3			75	0	·514	—·010	2·3	−0·3	2	2·40	−0·40	0·44	1·88	−1·44	1·80	2·86	−1·06	0·28	Dhubri.
9	3	8	2	5	2	1		1	N 76° E	1·9			2·1	83		·518		3·5		4	5·40	−1·40	1·79	2·82	−1·03	4·04	4·43	−0·39	0·72	Gauhati.
13		5	12	1					N 80° E	4·9			5·2	83		·506		3·1		5	5·50	−0·50	2·04	2·68	−0·64	4·80	4·63	+0·17	0·97	Tezpur.
18		5	7	1					N 76° E	2·0			1·9	90		·502		5·9		12	10·00	+2·00	5·36	5·34	+0·02	11·27	10·23	+1·04	1·29	Dibrugarh.
														79	+3	·608	—·026	3·2	+0·5				1·69	1·48	+0·17					IV.—Bengal and Orissa
2	3	13	3	8	1			1	N 71° E	4·4	5·8	−24	4·0	77	−6	·611	—·080	3·5	+0·3	1	2·77	−1·77	0·38	2·74	−2·36	3·45	4·87	−1·42	0·36	Chittagong.
15		2	2	3		3	3	3	S 63° W	2·8			3·0	83		·672		3·4		3	3·26	−0·26	1·66	2·75	−1·09	5·00	4·57	+0·43	1·00	Noakhali.
15	2		2	4	7	1			S 24° E	2·9			2·5	84		·654		2·1		3	3·93	−0·93	1·42	2·74	−1·32	4·99	4·47	+0·52	0·87	Comilla.
28			1		2				S 27° E	0·9			1·0	84		·578		3·5		4	2·20	+1·80	2·08	1·26	+0·82	5·10	2·75	+2·35	0·91	Sirajganj.
10	1	2	4	3	2	4	4	1	S	4·0	4·7	−15	3·4	87	+4	·667	—·030	5·4	+1·2	3	3·18	−0·18	2·89	2·75	+0·14	7·75	4·57	+3·18	1·90	Narayanganj.
17		4	1		4	4	1		S	2·5			2·1	83	−2	·698	—·056	2·3	−1·6	2	3·03	−1·03	0·22	1·96	−1·74	4·09	4·27	−0·18	0·11	Barisal.
9		2	10	7	2			1	S 73° E	2·1			1·8	80	−1	·572	—·038	6·1	+2·5	5	3·52	+1·48	1·65	2·03	−0·38	3·20	3·61	−0·41	0·51	Mymensingh.
11	1		2	3	8	1	4	1	S 6° W	3·0			2·5	81		·605		3·6		3	3·50	−0·50	2·05	2·30	−0·25	6·17	4·19	+1·98	1·47	Faridpur.
22	1	1			2		4	1	N 84° W	1·0	3·2	−69	1·0	82	+2	·652	—·049	4·6	+0·8	3	3·13	−0·13	1·80	1·93	−0·13	9·02	3·73	+5·29	0·88	Jessore.
1	3	2	1		5	9	5	5	S 77° W	4·8	5·5	−13		83	+2	·667	—·039	4·2	+1·3	3	2·00	+1·00	2·08	1·19	+0·89	11·82	2·73	+9·09	1·36	Calcutta (Alipore).
	2	3	1	1	9	10	1	4	S 35° W	10·4	12·3	−15		85	+2	·768	—·043	4·2	−0·1	2	1·81	+0·19	0·91	1·33	−0·42	3·43	2·99	+0·44	0·67	Saugor Island.

the data for that station are not utilized in calculating the provincial departures from normal.
columns Nos. 40, 42, and 44 are derived are incomplete.

‡ Mean of 27 days.
†† Wind variable 6.

** Mean of 28 days.

Table

Abstract of Observations taken at 8 h. at 234 Stations

Number of rainfall division.	Station.	Elevation of bar-cistern above sea-level in feet.	Pressure, 8 h., in inches.								Temperature of air.											
			Mean 8 h. pressure reduced to 32°.	Departure from normal.	Mean 8 h. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 h. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
10	Krishnagar	47	29·933		29·931	30·063	3rd	29·803	28th	·260	69·6	85·5		64·1		74·8		21·4	94·1	30th	48·0	1st	46·1
	Midnapore	149	29·835		29·935	29·958	1st	29·726	28th	·232	72·2	86·5		67·5		77·0		19·0	93·3	30th	54·1	1st&2nd	39·2
11	Bankura	298	29·661		29·934	29·792	3rd	29·550	28th	·242	70·9	86·9		65·8		76·4		21·1	95·1	30th	51·6	1st	43·5
	Raniganj	334	29·650		29·950	29·771	3rd	29·535	28th	·236	68·8	85·6		63·9		74·8		21·7	93·5	29th	50·2	1st	43·3
	Burdwan	99	29·890	+·068	29·941	30·009	3rd	29·767	28th	·242	71·2	85·7	−8·0	66·1	−2·3	76·0	−5·2	19·6	94·4	30th	52·8	2nd	41·6
	Naya Dumka	489	29·494		29·950	29·605	3rd	29·358	28th	·247	69·4	85·7		62·5		74·1		23·2	95·5	29th	47·5	1st	48·0
	Berhampore	67	29·917	+·070	29·936	30·043	3rd	29·774	28th	·274	68·8	85·1	−7·6	63·6	−2·1	74·4	−4·9	21·5	98·3	28th	49·6	1st	48·7
	Rampur Boalia	70	29·915		29·936	30·041	3rd	29·765	28th	·276	69·6	84·0		62·7		73·4		21·3	95·1	29th	48·1	2nd	47·0
	Malda	72	29·879		29·906	30·018	2nd	29·720	28th	·298	65·1	83·6		61·4		72·5		22·2	94·6	29th	46·6	1st	48·0
	Bogra	61	29·908	+·079	29·924	29·027	3rd	29·743	28th	·284	66·5	84·3	−5·9	61·7	−2·2	73·0	−4·1	22·6	96·7	29th	47·2	1st	49·5
12	Dinajpur	123	29·842	+·070	29·925	29·969	3rd	29·659	28th	·310	67·3	84·3	−4·8	59·9	−1·4	72·1	−3·1	24·4	95·8	29th	43·4	1st	52·4
	Rangpur	123	29·871		29·954	30·001	9th	29·677	28th	·324	68·2	83·1		60·1		71·6		23·0	93·6	29th	43·6	1st	50·0
	Jalpaiguri	284	29·684	+·057	29·938	29·813	9th	29·476	28th	·337	65·4	81·9	−2·9	59·0	−0·7	70·5	−1·8	22·9	91·4	29th	45·6	1st	45·8
	Cooch Behar	156	29·828		29·946	29·949	9th	29·623	28th	·326	65·6	82·0		59·7		70·9		22·3	92·4	29th	45·7	1st	46·7
17	Purnea	125	29·855	+·077	29·940	29·986	9th	29·670	28th	·316	67·4	84·5	−5·4	59·0	−1·4	71·8	−3·4	25·5	95·7	29th	45·1	1st	50·6
14	Balasore	50	29·950	+·078	29·944	30·071	3rd	29·849	28th	·225	73·2	86·7	−6·0	67·8	−1·8	77·3	−3·9	18·9	93·4	27th & 29th,	54·1	2nd	39·3
	Angul	455	29·528		29·956	29·655	3rd	29·422	31st	·233	72·3	91·0		65·4		78·2		25·6	99·2	30th	51·1	2nd	48·1
	False Point	21	29·984	+·068	29·947	30·104	3rd	29·869	31st	·235	76·3	85·4*	−1·9*	69·3	−2·9	77·4*	−2·4	16·1	91·0	29th	52·0	2nd	39·0
	Cuttack	80	29·914	+·062	29·940	30·035	3rd	29·792	31st	·243	75·1	94·2	−2·8	70·3	−2·2	82·2	−2·5	23·9	103·4	30th	58·1	2nd	45·3
	Puri	24	29·992		29·955	30·109	3rd	29·859	31st	·250	77·8	85·2*		73·6*		79·4*		11·6	90·0	9th	59·6	2nd	30·4
				+·061								85·6	−5·6	60·4	−2·4	73·0	−4·0	25·2					48·3
	V.—Gangetic Plain and Chota Nagpur.																						
15	Hazaribagh	2,007	27·946	+·051	29·948	28·042	3rd	27·839	19th	·203	68·5	83·3	−5·3	60·8	−3·0	72·0	−4·2	22·5	90·7	12th	45·2	1st	45·5
	Ranchi	2,128	27·541	+·065	29·971	27·939	6th	27·737	19th	·202	67·0	82·0	−5·6	60·9	−2·4	71·4	−4·0	21·1	90·2	31st	47·0	1st	43·2
	Daltonganj	*730*	29·239		29·955	29·365	2nd	29·136	19th	·229	66·1	88·1		59·9		74·0		28·2	94·6	29th	44·0	2nd	50·6
	Purulia	*816*	29·154		29·943	29·269	2nd& 3rd.	29·055	19th	·214	69·4	86·8		64·7		75·8		22·1	94·5	30th & 31st	50·3	1st	44·2
	Chaibassa	*760*	29·204	+·060	29·939	29·323	3rd	29·105	19th	·218	68·5	86·2	−8·6	64·5	−2·5	75·4	−5·6	21·7	94·3	27th & 31st.	52·0	1st	42·3
16	Gaya	375	29·596	+·057	29·933	29·717	2nd& 3rd	29·484	31st	·233	69·8	87·9	−5·4	63·1	−3·0	75·6	−4·2	24·8	95·9	29th	49·4	2nd	46·5
	Dehri	351	29·616		29·933	29·743	3rd	29·494	19th	·249	70·4	88·3		64·4		76·4		23·9	95·3	28th	51·1	1st	44·2
	Patna	183	29·787	+·063	29·930	29·915	6th	29·655	28th	·260	69·4	84·7	−6·2	61·2	−2·8	72·9	−4·5	23·5	95·0	28th	45·9	1st	49·1
	Arrah	190	29·787		29·938	29·905	3rd	29·667	19th& 28th.	·238	67·6	80·3		59·9		73·1		26·4	95·4	28th & 29th	44·5	1st	50·8
	Buxar	239	29·725		29·930	29·849	2nd& 3rd.	29·594	19th	·255	68·3	86·8		61·2		74·0		25·6	94·0	28th & 29th	44·9	1st	49·1
17	Bhagalpur	160	29·814		29·931	29·948	3rd	29·672	28th	·276	72·7	85·3		62·3		73·8		23·0	94·2	29th	46·7	1st	47·5
	Darbhanga	166	29·802	+·070	29·926	29·932	5th	29·633	28th	·299	65·9	83·8	−4·1	58·8	−4·1	71·3	−4·1	25·0	94·6	28th	44·8	1st	49·8
	Muzaffarpur	178	29·797		29·937	29·928	6th	29·649	28th	·288	68·4	83·6		59·0		71·3		24·6	95·2	28th	45·5	1st	49·7
	Motihari	224	29·735		29·930	29·857	10th	29·586	28th	·271	63·1	84·4		56·8		70·6		27·6	95·4	28th & 29th	41·7	1st	53·7
	Chapra	181	29·769		29·913	29·908	6th	29·647	28th	·261	66·7	85·2		59·2		72·2		26·0	95·4	28th & 29th	46·2	1st	49·2
18	Benares	267	29·698	+·055	29·930	29·835	3rd	29·586	19th	·249	69·7	87·3	−5·5	59·2	−2·6	73·3	−4·1	28·1	93·6	28th	43·6	2nd	50·0
	Allahabad	309	29·657	+·052	29·931	29·795	2nd	29·542	31st	·253	69·7	89·0	−4·0	60·7	−1·4	74·9	−2·7	28·3	96·1	28th	44·5	2nd	51·6
23	Gorakhpur	257	29·685	+·058	29·910	29·811	3rd	29·569	28th	·242	67·8	83·4	−7·1	60·5	−2·0	72·0	−4·6	22·9	94·2	28th	48·1	1st	46·1
19	Lucknow	368	29·591	+·062	29·933	29·727	2nd	29·461	31st	·266	67·2	87·3	−4·2	58·3	−2·0	72·8	−3·1	29·0	97·8	6th	44·7	1st	53·1
20	Bahraich	401	29·536	+·060	29·915	29·659	2nd	29·406	31st	·253	65·7	83·3	−5·7	57·4	−1·4	70·4	−3·6	25·9	91·6	28th & 29th	44·5	1st	47·1
2.	Cawnpore	416	29·543	+·065	29·937	29·684	2nd	29·395	31st	·289	66·0	84·9	−5·9	58·7	−1·7	71·8	−3·8	26·2	93·9	22nd	44·6	2nd	49·3
	Mainpuri	516	29·450	+·074	29·949	29·593	2nd	29·308	31st	·285	64·2	83·8	−5·9	56·0‡	−2·7‡	69·7‡	−4·3‡	27·8‡	94·3	21st	44·3	1st, & 2nd.	50·0

* Mean of 30 days.

‡ „ 23 „

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

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

NOTE 2.—The data from which divisional means of the figures

I—*continued.*

in India, Burma, etc., in March 1906—continued.

Wind Direction.										Wind Velocity.				Hygrometry, 8 h.				Cloud.		Rainfall.									Station.
Number of winds from									Resultant direction.	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 h.	Departure from normal.	Mean vapour tension at 8 h.	Departure from normal.	Mean cloud amount at 8 h.	Departure from normal.	Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st December 1905 to 31st March 1906.	Normal rainfall for period, 1st December to 31st March.	Departure from normal of period, 1st December 1905 to 31st March 1906.	Heaviest rainfall during month.	
Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.																					
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
10	3	1	1	2	3	4	6	1	S 63° W	1·6			1·8	86		·627		3·6		5	1·97	+ 3·03	2·21	1·11	+ 1·10	10·11	2·74	+ 7·37	0·50	Krishnagar.
7	11	2		1	7	3			N	2·5			2·3	75		·597		3·4		6	2·59	+ 3·41	4·44	1·67	+ 2·77	12 66	3·51	+ 9·15	2·38	Midnapore.
17		2	1	1	1	1	7	1	S 89° W	2·2			2·0	79		·601		3·2		6	1·76	+ 4·24	2·48	1·30	+ 1·18	9·47	2·80	+ 6·67	0·99	Bankura.
27	1		1				1	1	N 27° W	1·6			1·1	73		·528		3·3		5	1·48	+ 3·52	1·69	0·76	+ 0·93	7·44	2·32	+ 5·12	0·60	Raniganj.
12	1	3	2		1	4	5	3	N 81° W	2·2	3·4	− 35	2·2	80	+16	·624	+ ·071	4·7	+1·9	6	2·16	+ 3·84	3·14	1·34	+ 1·80	12·20	2·66	+ 9·54	1·61	Burdwan.
28						1	1	1	W	1·3			1·5	69		·500		2·8		4	1·41	+ 2·59	1·16	0·81	+ 0·35	5·64	2·26	+ 3·38	0·47	Naya Dumka.
14	1		1	1	3	8	2	1	S 41° W	3·3*	3·4	− 3	2·8*	83	+ 11	·597	+ ·031	3·6	+0·9	4	1·73	+ 2·27	2·67	0·97	+ 1·70	7·79	2·46	+ 5·33	1·23	Berhampore.
28				1		2			S 27° W	3·9*			4·0*	80		·588		2·4		6	1·68	+ 4·32	2·05	1·15	+ 0·90	5·88	2·40	+ 3·48	0·80	Rampur Boalia.
4	1	3	2	3	2	9	5	2	S 49° W	8·4			7·7	78		·541		1·8		2	1·10	+ 0·90	0·61	0·82	− 0·21	5·36	2·49	+ 2·87	0·45	Malda.
20		4	1	2	3	1			S 68° E	1·9			1·6	81	+ 7	·537	− ·025	2·1	−0·3	4	1·74	+ 2·26	1·93	1·33	+ 0·60	5·50	2·77	+ 2·73	0·76	Bogra.
6	2	5	4	1	1	6	5	1	N 76° W	3·4			3·2	73	+ 7	·489	+ ·013	2·6	+0·7	2	1·19	+ 0 81	0·95	0·67	+ 0·28	2·99	1·59	+ 1·40	0·60	Dinajpur.
8		8	3	1	1	6	3	1	N 66° E	4·4			4·1	84		·598		2·8		2	1·68	+ 0·32	0·49	1·16	− 0·67	2·22	2·17	+ 0·05	0·25	Rangpur.
10	4	5	6	3		1	1	1	N 61° E	4·9			2·4	8·*	+ 8*	·522*	+ ·019*	2·6	+0·7	0	2·10	− 2·10	0·11	1·23	− 1·12	1·67	2·22	− 0·55	0·08	Jalpaiguri.
13		3	9	3		1	2		S 85° E	2·2			2·3	81		·516		2·8		3	2·41	+ 0·59	2·44	1·66	+ 0·78	4·80	2 59	+ 2·21	1·33	Cooch Behar.
15		6	1	1	1	1	5	1	N 18° W	1·1	3·4	− 68	1·0	73	+ 4	·498	+ ·026	1·3	−0·1	1	0·83	+ 0·17	0·26	0·44	− 0·18	2·91	1·57	+ 1·34	0·18	Purnea.
5	6				5	9	2	4	S 75° W	4·0			2·9	75	− 4	·624	− ·086	3·9	+0·3	6	2·37	+ 3·13	5·57	1·82	+ 3·75	13 09	3·47	+ 9·62	2·74	Balasore.
1	5	3		4	3	1	4	10	N 41° W	6·8			5·8	69		·562		2·6		6			2·72			7·29†			0·84	Angul.
3	4		1		4	10	6	3	S 70° W	7·8	10·9	− 28	8·2	81	− 5	·739	− ·089	3·3	−0·9	0	1·48	− 1·48	0·02	1·15	− 1·13	3·04	3·25	− 0·21	0·02	False Point.
19	1			1	3	3	3	1	S 51° W	2·9	3·5	− 17		76	− 2	·673	− ·041	3·1	+0·2	0	1·77	− 1·77	0·12	1·23	− 1·11	3·25	2·12	+ 1·13	0·05	Cuttack.
8	6	1			1	13	2		S 70° W	12·6			11·9	76*		·740*		1·7		0	1·05	− 1·05	0 06	0·65	− 0·59	3·40	2·55	+ 0·85	0·04	Puri.
														64	+ 8	·439	+ ·033	2·7	+1·0				0·64	0·51	+0·13					V Gangetic Plain and Chota Nagpur.
1	3	1			6	3	9	8	N 86° W	8·4	7·4	+ 14	7·5	53	+12	·384	+ ·070	4·2	+1·9	3	1·81	+ 1·19	1·18	0·80	+ 0·38	7·09	2·24	+ 4·85	0·76	Hazaribagh.
1	2			1	4	3	12	8	N 87° W	7·0			8·2	57	+12	·386	+ ·070	3·5	+1·9	6	2·58	+ 3·42	1·72	1·37	+ 0·35	10·28	3·11	+ 7·17	0·31	Ranchi.
19	1	2	3	1		5			S 45° E	4·1			3·3	70		·458		3·1		3	1·67	+ 1·33	1·39	0·63	+ 0·76	5·91	2·21	+ 3·70	0·57	Daltonganj.
1	1	2	1	1	3	4	13	5	S 86° W	3·8			4·7	70		·511		3·7		5	2·17	+ 2·83	1·22	1·01	+ 0·21	10·33	2·65	+ 7·68	0·48	Purulia.
21	1				1	5	2	1	S 63° W	P				79	P	·563	+ ·102	2·8	+0·9	5	2·19	+ 2·81	2·42	1·05	+ 1·37	13·50	2·55	+ 10·95	1·48	Chaibassa.
8	1	2	1		5	3	11		S 66°W	4·7	3·3	+ 43	3·7	65	+12	·488	+ ·050	3·2	+1·1	2	1·03	+ 0·97	0·47	0·55	− 0·08	3·42	1·94	+ 1·48	0·14	Gaya.
	2		2		12	8	6	1	S 34° W	6·0			5·4	55		·414		4·1		2	1·00	+ 1·00	0·52	0·53	− 0·01	1·99	1·96	+ 0·03	0·31	Dehri.
1			2	3	1	9	12	3	S 66° W	5·1	3·4	+ 50	5·8	64	+14	·467	+ ·070	2·9	+1·1	2	0·74	+ 1·26	0·42	0·39	+ 0·03	4·01	1·65	+ 2·36	0·20	Patna.
7		2	1	5	3	8	2	3	S 24° W	3·4			3·3	59		·403		1·0		2	0·81	+ 1·19	0·51	0·47	+ 0·04	3·56	2·09	+ 1·47	0·24	Arrah.
		1	3	4	5	7	9	2	S 39° W	7·6			7·2	57		·400		3·4		0	0·87	− 0·87	0·26	0·28	− 0·02	2·11	1·78	+ 0·33	0·09	Buxar.
13		3			3	5	7		S 63° W	3·5			3·1	60		·484		2·2		2	0·84	+ 1·16	0·46	0·44	+ 0·02	5·35	1·74	+ 3·61	0·11	Bhagalpur.
5		1	8	3	3	3	8		S 8° E	3·4	4·5	− 24	3·0	78	+17	·500	+ ·061	0·9	−0·4	0	0·83	− 0·83	0·09	0·46	− 0·37	2·02	1·66	+ 0·36	0·04	Darbhanga.
14			2	2	1	3	5	4	S 74° W	2·7				75		·521		0·6		0	0·97	− 0·97	0·16	0·43	− 0·27	2·52	1·76	+ 0·76	0·09	Muzaffarpur.
10		3	3	1	1	5	5	3	S 79° W	5·0			4·4	82		·475		2·1		0	0·77	− 0·77	0·06	0·49	− 0·43	1·82	1·59	+ 0·23	0·05	Motihari.
8		1	3	3	4	8	3	1	S 22° W	4·2			3·7	70		·458		1·3		2	0·71	+ 1·29	0·26	0·38	− 0·12	3·01	1·70	+ 1·31	0·15	Chapra.
10		1	2	3		9	3	3	S 49° W	2·7	4·8	− 44	3·1	60	+ 2	·454	+ ·032	2·7	+0·7	1	0·80	+ 0·20	0·68	0·25	+ 0·38	2·38	1·59	+ 0·79	0·55	Benares.
6		3	3	3	3	4	7	2	S 43° W	4·8	4·6	+ 4	4·0	47	0	·352	− ·017	4·0	+2·0	0	0·60	− 0·60	0·05	0·26	− 0·21	0·78	1·73	− 0·95	0·04	Allahabad.
16		4			1	2	5	3	N 68° W	1·9	3·6	− 48		61	+ 4	·419	+ ·007	2·2	+0·6	0	0·70	− 0·70	0	0·33	− 0·33	2·62	1·72	+ 0·90	0	Gorakhpur.
13	2	1	2	2		4	4	3	N 83° W	2·3	4·0	− 43	2·	56	+ 3	·369	− ·017	2·8	+0·7	0	0·90	− 0·90	0·18	0·33	− 0·15	3·17	2·11	+ 1·06	0·08	Lucknow.
6	2	1	3	2	1	2	1	13	N 38° W	4·2			3·9	65	+ 3	·420	− ·015	3·0	+1·0	0	1·00	− 1·00	0·08	0·57	− 0·49	5·12	2·84	+ 2·28	0·04	Bahraich.
9	4	3	1	2	2	1	6	3	N 46° W	4·2				64	+ 8	·348	− ·007	2·6	+1·3	2	0·70	+ 1·30	1·03	0·26	+ 0·77	2·69	1·59	+ 1·10	0·60	Cawnpore.
9	2	3	3	2	1	3	4	4	N 45° W	1·8			1·8	62	+11	·374	+ ·022	2·3	−0·2	3	0·50	+ 2·50	1·03	0·04	+ 0·99	2·67	2·07	+ 0·60	0·58	Mainpuri.

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

columns Nos. 40, 42 and 44 are derived, are incomplete.

* Mean of 30 days.

† Rainfall since January 1906.

Table

Abstract of Observations taken at 8 h. at 234 Stations

Number of rainfall division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 h. in inches.								Temperature of air.												
			Mean 8 h. pressure reduced to 32°.	Departure from normal.	Mean 8 h. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 h. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	VI.—Upper Sub-Himalayas.			+·059								77·2	−7·0	54·6	−2·0	65·8	−4·5	22·7					44·0
24	Bareilly	568	29·373	+·059	29·934	29·496	2nd	29·230	31st	·266	62·5	81·0	−6·5	56·6	−2·4	68·8	−4·5	24·4	87·9	31st	44·1	1st	43·8
	Dehra Dun	2,233	27·700	+·049	29·975	27·821	6th	27·546	19th	·275	57·4	75·4	−4·3	51·6	−3·4	63·5	−3·9	23·8	83·0	31st	39·0	1st	44·0
	Roorkee	899	29·040	+·062	29·953	29·157	6th	28·866	31st	·291	60·3	78·1	−7·3	53·0	−3·1	65·6	−5·2	25·1	85·4	21st	41·0	1st	44·4
22	Meerut	738	29·206	+·056	29·944	29·329	2nd	29·046	31st	·283	62·2	80·0	−6·6	55·9	−1·8	67·9	−4·2	24·1	88·0	21st	43·7	1st	44·3
26	Delhi	718	29·236	+·056	29·952	29·400	1st	29·055	31st	·345	64·4	80·7	−6·7	58·3	−3·9	69·5	−5·3	22·4	87·7	21st	44·6	1st	43·1
28	Lahore	702	29·254	+·057	29·966	29·397	2nd	29·118	23rd	·279	59·5	75·7	−9·4	54·0	−0·2	64·9	−4·8	21·7	84·4	20th & 21st.	40·1	1st	44·3
27	Sirsa	662	29·303	+·063	29·968	29·462	6th	29·139	31st	·322	61·1	79·2	−9·4	55·5	−1·7	67·4	−5·6	23·7	87·3	31st	40·0	1st	47·3
	Patiala	*818*	29·129		29·955	29·264	6th	28·955	31st	·309	61·1	76·7		54·7		65·7		22·0	86·3	21st	43·4	1st	42·9
29	Ludhiana	812	29·135	+·060	29·960	29·282	6th	28·969	31st	·313	59·7	76·9	−7·5	55·3	−2·2	66·1	−4·9	21·6	85·1	21st	41·6	1st	43·5
	Sialkot	830	29·131	+·070	29·977	29·263	7th	28·966	19th	·297	60·0	75·8	−5·9	53·4	−2·2	64·6	−4·1	22·4	85·6	20th	38·1	1st	47·5
	Ambala	892	29·048	+·067	29·953	29·179	6th	28·897	19th	·282	60·6	76·6	−7·3	54·2	−2·9	65·4	−5·1	22·4	85·0	21st	43·2	1st	41·8
	Rawalpindi	1,674	28·282	+·055	30·017	28·404	7th	28·132	19th	·272	56·3	70·6	−5·9	50·3	−0·4	60·5	−3·2	20·3	80·4	21st	39·1	1st	41·3
	VII.—Indus Valley and North-West Rajputana.			+·060								80·5	−6·0	57·9	−1·9	69·2	−4·0	22·6					45·6
32	Peshawar	1,110	28·388	+·043	30·042	29·027	7th	28·723	23rd	·304	57·5	71·5	−4·6	51·2	−0·7	61·4	−2·7	20·3	82·1	21st	37·9	1st	44·2
	D. I. Khan	590	29·414	+·057	29·987	29·571	1st	29·265	19th	·306	60·1	75·9	−7·6	53·6	−1·9	64·8	−4·8	22·3	85·3	20th	38·5	1st	46·8
31	Khushab	612	29·377	?	29·993	29·521	2nd	29·224	19th	·297	61·5	76·6	−4·0	55·5	−1·3	66·1	−2·7	21·1	85·9	20th	42·5	1st	43·4
	Montgomery	558	29·419	+·074	29·975	29·565	2nd & 6th.	29·282	23rd	·283	61·7	78·0	−7·7	54·1	−1·8	66·1	−4·8	23·9	88·3	20th	41·0	1st	47·3
	Multan	420	29·563	+·055	29·972	29·725	2nd	29·427	19th	·298	61·5	78·9	−7·6	56·8	−1·6	67·9	−4·6	22·1	88·8	20th	42·9	1st	45·9
47	Jacobabad	186	29·819	+·079	29·977	29·977	5th	29·661	19th	·316	65·2	83·9	−7·2	57·8	−1·8	70·9	−4·5	26·1	93·5	18th, 20th & 30th	44·1	1st	49·4
	Hyderabad	96	29·906	+·059	29·959	30·084	6th	29·778	20th	·306	69·3	87·3	−5·8	62·2	−2·0	71·8	−3·9	25·1	96·6	31st	50·5	1st	46·1
	Kurrachee	30	29·988	+·052	29·970	30·139	5th	29·849	20th	·290	69·9	84·0	−2·1	64·6	−1·5	74·3	−1·8	19·4	93·4	30th	51·2	1st	42·2
51	Bikaner	*771*	29·190	+·058	29·961	29·357	1st	29·043	31st	·314	65·0	82·1	−7·2	60·5	−4·2	71·3	−5·7	21·6	91·7	31st	48·1	1st	43·6
	Pachpadra	*380*	29·602	+·047	29·955	29·777	6th	29·452	19th	·325	67·6	88·5	−6·1	58·3	0	73·4	−3·1	30·2	99·9	31st	42·4	3rd	57·5
	Jodhpur	782	29·193		29·984	29·354	6th	29·047	31st	·307	68·6	86·8		62·5		74·7		24·3	96·6	31st	49·7	1st	46·9
	VIII.—East Rajputana, Central India and Gujarat.			+·045								87·7	−4·2	62·9	−0·4	75·3	−2·3	24·8					46·4
50	Jaipur	1,431	28·539	+·045	29·975	28·673	1st	28·362	31st	·311	68·9	85·2	−4·5	61·2	+0·4	73·2	−2·1	24·0	93·2	22nd	43·0	1st	50·2
	Kotah	819?	29·128*		29·970*	29·283	1st	28·957	31st	·326	71·2*	90·0		64·7		77·4		25·3	98·0	31st	49·0	1st	49·0
	Sambhar	1,254	28·709	+·050	29·977	28·861	6th	28·518	31st	·343	64·1	84·5	−4·2	57·8	−1·0	71·2	−2·6	26·7	92·9	22nd	43·0	1st	49·9
	Ajmer	1,611	28·368	+·040	29·992	28·521	6th	28·199	31st	·322	66·6	84·6	−4·5	61·7	+2·0	73·2	−1·3	22·9	91·9	22nd & 31st.	46·8	1st	45·1
	Udaipur	1,925	28·053		29·975	28·191	6th	27·915	31st	·276	69·4	86·9		60·0*		73·4*		26·9	94·5	31st	45·2	1st	49·3
46	Bhuj	395	29·611	+·057	29·971	29·746	6th	29·493	24th	·253	70·6	87·9	−6·0	64·1	−1·3	76·0	−3·7	23·8	97·1	30th	51·9	1st	45·2
	Jamnagar	61	29·954		29·960	30·088	6th	29·830	24th	·258	71·0	87·9		62·5		75·2		25·4	98·1	30th	49·3	1st	48·6
	Rajkot	429	29·570	+·042	29·963	29·687	6th	29·474	24th	·213	71·6	91·6	−4·0	61·4	−1·0	76·5	−2·5	30·2	99·9	31st	49·0	1st	50·9
	Veraval	*18*	29·991	+·056	29·951	30·098	6th	29·894	30th	·204	71·1	81·9	−4·4	64·4	−0·5	73·2	−2·5	17·5	92·1	31st	58·8	17th	33·3
	Dwarka	37?	29·987		29·971	30·103	6th	29·869	24th	·234	73·1	79·5		69·0		74·3		10·5	93·8	30th	58·6	2nd	35·2
	Bhavnagar	55	29·946	+·020	29·945	30·060	6th	29·849	30th	·211	72·4	93·3	−4·5	64·9	−2·1	79·1	−3·3	28·4	102·6	31st	49·5	1st	53·1
49	Para. Nowgong	757	29·213	+·047	29·956	29·359	1st	29·063	31st	·296	68·5	88·1	−4·3	60·8	0	74·5	−2·2	27·3	96·0	12th	43·5	1st	52·5
	Indore	1,823	28·150	+·039	29·960	28·257	7th	28·037	31st	·220	71·9	89·8	−2·7	60·7	+0·3	75·3	−1·2	29·1	97·1	31st	47·1	1st	50·0
	Neemuch	1,630	28·345	+·040	29·973	28·474	7th	28·219	31st	·255	70·5	87·0	−4·4	61·0	−0·5	74·0	−2·5	26·0	95·0	31st	49·8	1st	45·2

* Mean of 30 days.

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

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

NOTE 2.—The data from which divisional means of the figure

I—*continued.*

in India, Burma, etc., in March, 1906—continued.

WIND DIRECTION.										WIND VELOCITY.				HYGROMETRY, 8 H.				CLOUD.		RAINFALL.														STATION
Number of winds from									Resultant direction.	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 h.	Departure from normal.	Mean vapour tension at 8 h.	Departure from normal.	Mean cloud amount at 8 h.	Departure from normal.	Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st December 1905 to 31st March 1906.	Normal rainfall for period, 1st Dec. to 31st March.	Departure from normal for period, 1st December, 1905 to 31st March, 1906.	Heaviest rainfall during month.			
Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.																										
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54					55
														72	+11	·383	+·026	3·4	+0·5				1·76	0·79	+0·91									VI.—Upper Sut Himalayas.
3							4	1	N 82° W	2·1	4·3	−51	2·0	70	+12	·397	+·024	2·5	+0·3	2	1·82	+0·18	0·99	0·76	+ 0·23	5·46	2·88	+ 2·58	0·48					Bareilly.
0									Calm		2·3			66	+ 9	·318	0	4·0	+1·4	2	2·60	−0·66	0·60	0·94	− 0·34	7·90	6·33	+ 1·57	0·40					Dehra Dun.
5	1	1	1	3			1	9	N 31° W	3·6	2·9	+24	3·6	72	+10	·384	+·032	2·3	−0·1	2	1·90	+0·10	0·84	0·69	+ 0·15	7·92	4·30	+ 3·62	0·42					Roorkee.
6	1	3	1	1		2	3	4	N 42° W	2·0	2·7	−26	2·0	65	+ 9	·376	+·029	3·2	+0·9	3	1·45	+1·60	0·81	0·63	+ 0·18	4·82	3·36	+ 1·46	0·23					Meerut.
9	2	2	1	5		1	6	5	N 58° W	5·7	3·9	+46	5·0	66	+17	·406	+·083	3·2	+0·2	2	1·50	+0·50	0·96	0·50	+ 0·46	2·88	2·97	− 0·09	0·60					Delhi.
1	1		6	4		1	6	2	S 34° E	2·6	3·1	−16		82	+17	·426	+·053	4·2	+0·8	2	1·70	+0·30	1·16	0·65	+ 0·51	4·72	3·25	+ 1·47	0·80					Lahore.
6		1	1	1			1	1	N 45° E	1·1	3·8	−71	0·9	72	+15	·394	+·040	4·4	+1·2	3	1·10	+1·90	1·99	0·32	+ 1·17	4·30	1·80	+ 2·50	0·78					Sirsa.
1	9	2	2	2	2		4	9	N 25° W	6·1			6·2	75		·409		3·5		4			2·51			8·70			1·04					Patiala.
1		3	1	3		1	4	8	N 46° W	2·4	1·8	+33	2·1	72	+ 9	·380	+·009	2·3	−1·5	5	1·70	+3·30	3·80	0·79	+ 3·01	8·14	4·71	+ 3·43	1·60					Ludhiana.
4	4	10	5	1		1	2	4	N 30° E	2·6	1·9	+37	2·2	72	+ 5	·378	−·005	3·0	+0·2	4	2·90	+1·10	1·57	1·14	+ 0·43	8·88	5·97	+ 2·91	0·61					Sialkot.
6		1	1	3		1	1	8	N 45° W	4·6			4·1	76	+13	·405	+·018	4·1	+2·1	4	1·40	+2·60	2·10	0·37	+ 1·73	8·05	5·22	+ 2·83	1·10					Ambala.
7	1	5	1	1		1	2	3	N 5° E	3·6	2·6	+38	3·3	76	+ 4	·346	+·007	4·6	+0·5	8	4·20	+3·80	4·34	1·89	+ 2·45	14·57	7·61	+ 6·96	1·13					Rawalpindi.
														65	+ 9	·394	+·035	3·4	+0·5				0·84	0·55	+0·29									VII.—Indus Valley North-West Rajput
1	1			2	2		2	3	S 81° W	1·4	3·7	−62	1·5	74	+ 2	·357	−·002	4·3	−0·5	5	3·90	+1·10	1·24	2·04	− 0·80	8·12	5·19	+ 2·93	0·39					Peshawar.
2		2	1	1				5	N 6° W	1·6	2·1	−24	1·7	76	+11	·405	+·043	3·8	+0·6	2	2·50	−0·50	1·45	0·89	+ 0·56	5·40	2·33	+ 3·07	0·60					D. I. Khan.
3	2	14	1	1	3	3	2	2	N 39° E	9·1			8·7	69	+11	·382	+·045	3·1	+0·3	1	1·70	−0·70	0·30	1·13	− 0·83	4·92	3·18	+ 1·74	0·12					Khushab.
6	6	5	3	4	2	2		3	N 47° E	5·5			5·1	65	+13	·359	+·032	3·4	+1·0	3	1·20	+1·80	1·29	0·35	+ 0·94	3·51	2·28	+ 1·23	0·42					Montgomery
1	7	4		4	2			3	N 27° E	1·6	2·1	−24	1·4	68	+ 9	·375	+·006	3·2	+1·4	2	1·20	+0·80	0·71	0·39	+ 0·32	3·56	1·46	+ 2·10	0·31					Multan.
6	6	3	5		4	1	2	4	N 13° E	3·6	3·9	− 8	3·7	68	?	·430	+·137	3·5	+0·7	5	0·70	+4·30	1·41	0·15	+ 1·26	4·49	0·85	+ 3·64	0·64					Jacobabad.
7	8	1		1	1	7		6	N 45° W	5·6	8·3	−33	5·0	55	+ 6	·396	+·013	1·9	−0·5	2	·0·30	+1·70	0·78	0·16	+ 0·62	3·05	0·67	+ 2·38	0·67					Hyderabad.
3	5	5	2	2		1	5	8	N 20° W	8·9	11·8	−25	8·8	75	+ 1	·553	−·027	3·7	+1·4	1	0·50	+0·50	0·15	0·19	−0·04	2·41	1·29	+ 1·12	0·15					Kurrachee.
3		2	7	7	7	2	2	1	S 39° E	5·8	4·3	+35		56	+16	·353	−·064	3·1	+0·1	3	0·50	+2·50	0·88	0·19	+ 0·69	4·12	1·01	+ 3·11	0·45					Bikaner.
	6	8	5	2	2	2	3	3	N 32° E	6·2	4·1	+52	5·8	50		·347		2·2	−0·2	0	0·30	−0·30	0	0·11	− 0·11	1·58	0·69	+ 0·89	0					Pachpadra.
4	3	18	2			4			N 43° E	5·3			4·8	46		·326		3·5		1	0·20	+0·80	0·17	0·01	+ 0·16	2·08	0·50	+ 1·58	0·16					Jodhpur.
														53	+3	·398	+·011	3·2	+1·3				0·24	0·12	+0·15									VIII.—East Rajput Central India Gujarat.
6	3	11	7	1	2	1		1	N 60° E	4·4	5·7	−23		43	− 1	·304	−·023	3·6	+1·0	2	0·70	+1·30	0·63	0·34	+ 0·29	1·55	1·30	+ 0·25	0·51					Jaipur.
2	2	1	3	2					N 76° E	2·1*			1·7	35*		·278*		2·4		0	0·40	−0·40	0	0·07	− 0·07	0·55	0·76	− 0·21	0					Kotah.
5	5	5	3	1			1	1	N 33° E	5·9	6·2	− 5		57	+12	·350	+·050	3·2	+0·8	2	0·80	+1·20	1·39	0·28	+1·11	2·21	1·20	+ 1·01	0·91					Sambhar.
2	1	9		3		1	1	4	N 29° E	4·3	3·6	+19	3·7	53	+ 5	·353	+·016	3·3	+1·2	2	0·60	+1·40	0·35	0·16	+ 0·19	1·48	1·11	+ 0·37	0·25					Ajmer.
7	1						2	1	N 57° W	3·3			2·9	48		·353		3·1		0	0·30	−0·30	0			0·76			0					Udaipur.
2	3	5				1	5	15	N 38° W	9·4	8·3	+13	7·9	66	+ 9	·491	+·011	3·3	+1·3	0	0·10	−0·10	0	0·06	− 0·06	1·83	0·29	+ 1·54	0					Bhuj.
3	4	1	2	1		6	6	5	N 72° W	11·4			11·2	67		·524		2·1		0			0			1·64			0					Jamnagar.
3	1	3	1				8	15	N 49° W	7·5	8·1	− 7	7·4	70	+ 6	·558	+·044	3·1	+1·0	0	0	0	0	0	0	0·75	0·17	+ 0·58	0					Rajkot.
2	13	2					2	12	N 21° W	10·8	6·6	+64	10·8	68	+ 6	·515	+·003	2·4	+0·6	0	0	0	0	0	0	0·42	0·10	+ 0·32	0					Veraval.
1	6	1				2	7	14	N 49° W	13·0				77		·635		4·0		0			0·01			2·88			0·01					Dwarka.
	3	2					3	23	N 41° W	7·0			5·9	46		·371		2·9		0	0·10	−0·10	0	0·08	− 0·08	0·18	0·29	− 0·11	0					Bhavnagar Para.
3	4	4	8	2	2	1	4	3	N 48° E	2·4	2·3	+ 4	2·4	50	0 ?	·360	0	4·7	+3·2	0	0·70	−0·70	0·02	0·22	− 0·20	1·22	1·96	− 0·74	0·02					Nowgong.
5	2	12	1	6			3	2	N 50° E	4·0	3·7	+ 8	3·2	38	− 7	·271	−·049	3·9	+2·6	0	0·10	−0·10	0	0·04	− 0·04	0·21	0·55	− 0·34	0					Indore.
1	11	8	4	1		1	1	4	N 18° E	7·2	9·1	−21	6·0	33	−4	·251	−·045	4·0	+2·2	0	0·10	−0·10	0	0·04	− 0·04	1·08	0·70	+0·38	0					Neemuch.

the data for that station are not utilized in calculating the provincial departures from normal.
columns Nos. 40 42 and 44 are derived are incomplete.

† Wind observations of 20 days.

Table

Abstract of Observations taken at 8 h. at 234 Stations

Number of rainfall division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 h., in inches.								Temperature of air.											
			Mean 8 h. pressure reduced to 32°.	Departure from normal.	Mean 8 h. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 h. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
45	Surat	39	29·954	+·022	29·939	30·056	6th	29·841	30th	·215	75·0	93·5	−3·1	66·5	+0·5	80·0	−1·3	27·0	103·2	30th	58·5	1st	44·7
	Ahmedabad	163	29·824	+·033	29·940	29·952	7th	29·732	21st	·220	74·9	95·1†	−1·9†	67·2	−0·6	81·2†	−1·3	27·9	104·3	1st	58·2	1st	46·1
	Deesa	466	29·508	+·028	29·941	29·634	6th	29·406	31st	·228	73·2	93·3	−2·8	62·7	−1·1	78·0	−2·0	30·6	101·8	31st	48·9	1st	52·9
22	Agra	555	29·421	+·058	29·962	29·568	2nd	29·245	31st	·323	66·3	83·2	−7·9	60·8	−1·9	72·0	−4·9	22·4	92·0	21st	47·9	1st	44·1
21	Jhansi	858	29·140	+·063	29·984	29·310	1st	28·977	31st	·333	70·7	89·3	−3·8	64·8	−1·5	77·1	−2·7	24·5	96·7	11th & 12th.	51·7	1st	45·0
	IX.—Deccan.			+·035								94·1	−2·5	65·6	−1·2	79·9	−1·9	28·5					47·8
38	Belgaum	2,539	27·444	+·028	29·925	27·535	11th	27·380	14th	·155	74·3	93·7	−0·2	62·1	−2·1	77·9	−1·2	31·6	99·3	29th	53·9	20th	45·4
	Sholapur	1,590	28·377	+·027	29·931	28·475	6th	28·286	30th	·189	77·2	99·8	−0·6	68·0	−1·3	83·9	−1·0	31·8	106·2	31st	60·1	1st	46·1
	Poona	1,840	28·144	+·031	29·978	28·225	6th	28·063	31st	·162	69·6	95·7	−2·0	59·7	−4·2	77·7	−3·1	36·0	100·0	28th & 31st.	50·5	13th	49·5
	Bijapur	*1,948*	28·021	+·034	29·918	28·100	5th	27·841	29th	·159	78·4	97·8	+1·4	69·2	−1·4	83·5	0	28·6	103·9	31st	62·2	22nd	41·7
40	Malegaon	1,430	28·538	+·018	29·946	28·628	7th	28·441	30th	·187	73·7	96·9	−0·4	62·4	−1·2	79·7	−0·8	34·5	103·8	31st	49·2	1st	54·6
	Ahmednagar	2,154	27·887	+·043	29·963	27·927	5th	27·751	30th	·176	73·0	95·8	P	61·1	−1·4	78·5	P	34·7	102·9	31st	50·6	13th	52·3
41	Akola	930	29·022	+·022	29·917	29·145	1st	28·911	31st	·234	75·8	98·2	−1·0	66·0	0	82·1	−0·5	32·2	107·2	31st	48·9	1st	58·3
	Amraoti	1,215	28·740	+·033	29·922	28·861	2nd	28·620	31st	·241	77·2	96·5	−1·6	68·4	−0·8	82·5	−1·2	28·1	104·8	31st	55·3	1st	49·5
42	Khandwa	1,044	28·908	+·018	29·931	29·035	1st	28·797	31st	·238	73·7	95·5	−2·1	64·2	−0·7	79·9	−1·4	31·3	102·2	31st	46·6	1st	55·6
	Hoshangabad	1,006	28·961	+·029	29·953	29·095	1st	28·959	31st	·236	71·7	92·0	−3·7	63·9	−0·7	78·0	−2·2	26·1	98·1	29th	51·4	1st	46·7
	Nagpur	1,025	28·947	+·0·9	29·936	29·062	1st	28·793	31st	·269	74·7	94·5	−3·8	66·2	−1·6	80·4	−2·7	28·3	102·8	31st	54·2	1st	48·6
43	Chanda	*634*	29·327	+·039	29·917	29·950	1st	29·191	31st	·259	77·1	97·3	−2·4	67·0	0	82·2	−1·2	30·3	104·0	30th	47·1	1st	56·9
	Seoni	2,033	27·939	+·037	29·957	28·034	2nd	27·800	31st	·234	70·9	89·0	−4·2	62·5	−1·0	75·8	−2·6	26·5	95·5	11th & 12th.	49·5	1st	46·3
	Jubbulpore	1,327	28·630	+·035	29·956	28·749	1st	28·469	31st	·280	67·8	88·2	−4·6	60·0	−0·8	74·1	−2·7	26·2	95·5	6th	42·3	1st	53·2
	Saugor	1,807	28·155	+·037	29·953	28·270	2nd	27·992	31st	·278	70·8	88·2	−3·9	63·5	−1·0	75·9	−2·5	24·7	94·9	11th	49·6	1st	45·3
	Sutna	1,040	28·913	+·037	29·948	29·043	2nd	28·788	31st	·255	69·1	87·8	−3·5	61·3	+0·1	74·6	−1·7	26·5	95·5	6th	44·7	2nd	50·8
44	Raipur	970	28·994	+·044	29·940	29·115	1st	28·878	31st	·237	72·2	90·2	−6·3	66·1	−2·5	78·2	−4·4	24·1	98·2	31st	53·4	1st, 2nd & 17th.	44·8
	Pendra	2,123?	27·929		29·958	28·025	2nd	27·832	31st	·193	68·1	84·4		61·0		72·7		23·4	92·8	6th & 13th, 15th	47·6	1st	45·2
	Sambalpur	486	29·495	+·053	29·944	29·643	3rd	29·376	31st	·267	71·8	88·5	−8·2	65·4	−1·9	77·0	−5·1	23·1	96·6		52·7	1st & 2nd.	43·9
39	Aurangabad	1,905	28·074		29·965	28·160	2nd	27·998	23rd	·162	76·9	95·2†		65·5		81·3†		29·7	101·9	31st	54·2	1st	47·7
	Indur	1,260	28·745		29·966	28·792	1st	28·645	24th	·147	79·6	97·4		68·9		83·1		28·5	104·7	30th	59·1	1st	45·6
	Bidar	*2,165*	27·830		29·934	27·924	5th & 7th, 6th	27·733	31st	·191	79·7	95·6		70·9		83·3		24·7	102·4	31st	64·3	1st	38·1
53	Gulbarga	1,503	28·462	+·034	29·922	28·571	6th	28·359	30th	·212	79·3	99·4	+0·3	68·5	−2·2	84·0	−1·0	30·9	105·5	31st	58·9	1st	46·6
	Raichur	1,326?	28·629	+·039	29·909	28·723	2nd & 3rd.	28·561	15th	·162	80·1	97·7	−1·1	73·8	−0·2	85·8	−0·7	23·9	103·5	31st	65·1	5th	38·4
	Hyderabad (Deccan)	1,690	28·279	+·041	29·936	28·379	6th	28·193	14th	·186	75·1	96·2	−1·7	69·4	−0·2	82·8	−1·0	26·8	102·3	26th	58·8	6th	43·5
	Hanumkonda	871	29·088		29·919	29·189	6th	28·980	31st	·209	76·1	96·6		71·1		83·9		25·5	101·5	31st	59·2	1st	42·6
	X.—West Coast.			+·038								87·2	−1·0	73·3	−1·6	80·3	−1·3	13·9					22·3
37	Bombay	37	29·965	+·034	29·943	30·056	11th	29·883	30th	·173	75·0	84·4	−1·3	71·6	−1·8	78·0	−1·6	12·8	91·0	3rd	67·5	13th	23·5
	Ratnagiri	110	29·881	+·041	29·930	29·978	11th	29·814	24th	·164	75·4	85·9	−1·9	70·4	−2·0	78·2	−2·0	15·5	90·3	28th	66·9	13th & 14th.	23·4
	Mormugao	*60*	29·940	+·051	29·935	30·048	11th	29·870	28th	·178	77·3	85·0	−1·9	72·7	−2·8	78·9	−2·4	12·3	91·5	5th	69·4	14th, 19th & 21st.	22·1
	Goa*	198	29·786	+·021	29·929	29·886	6th	29·722	24th & 28th.	·164	76·1	84·6	−2·7	72·5	−1·7	78·6	−2·2	12·1	91·0	1st	68·0	19th	23·0
	Karwar	44	29·955	+·040	29·934	30·049	11th	29·867	28th	·162	71·4	86·7	−1·1	68·4	−4·6	77·6	−2·9	18·3	88·8	3rd, 5th & 27th.	62·5	20th	26·3
33	Cochin	10	29·970	+·019	29·908	30·064	11th	29·904	20th	·160	82·2	92·0	+0·8	77·8	+0·8	84·9	+0·8	14·2	93·8	21st	73·7	3rd	20·1
	Calicut	27	29·993	+·058	29·917	30·049	11th	29·895	20th	·154	80·7	89·9	−0·4	74·9	−1·2	82·4	−0·8	15·0	92·8	26th	72·2	2nd & 23rd.	20·6
	Mangalore	65	29·935	+·034	29·932	30·019	11th	29·883	19th	·136	80·4	87·8	−1·6	74·0	−2·0	80·9	−1·8	13·8	95·7	4th	70·5	20th	25·2
	Trivandrum	198	29·777	+·040	29·907	29·881	10th	29·709	20th	·172	80·4	88·5	+1·4	77·2	+0·5	82·9	+1·0	11·3	90·0	5 days	73·5	4 days.	16·5

* Mean of 29 days. † Mean of 30 days.

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

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

NOTE 2.—The data from which divisional means of the figure columns

I—*continued.*

in India, Burma, etc., in March 1906—continued.

Wind Direction. Number of winds from Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	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 h. Mean humidity at 8 h.	Departure from normal.	Mean vapour tension at 8 h.	Departure from normal.	Cloud. Mean cloud amount at 8 h.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st Dec. 1905 to 31st Mar. 1906.	Normal rainfall for period, 1st Dec. to 31st March.	Departure from normal of period, 1st Dec. 1905 to 31st March 1906.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
7	7	2	2	3	5	2		3	N 45° E	4·5	6·5	−31	4·2	66	+ 3	·545	−·011	2·2	+1·0	0	0	0	0	0	0	0·17	0·14	+ 0·03	0	Surat.
1	3	4	6	1			8	9	N 22° W	4·8			4·1	41	− 2	·351	−·025	4·3	+2·3	0	0	0	0	0·06	− 0·06	0·39	0·30	+ 0·09	0	Ahmedabad.
4	4	13	2	1			4	3	N 21° E	8·3	8·9	− 7		38	+ 1	·310	−·002	2·6	+0·5	0	0·18	− 0·18	0	0·05	− 0·05	1·32	0·33	+ 0·99	0	Deesa.
3		1		10		13		4	S 18° W	5·4	4·5	+20	6·4	55	+ 7	·357	+·015	3·3	+1·1	3	0·80	+ 2·20	0·97	0·26	+ 0·71	2·08	1·37	+ 0·71	0·53	Agra.
9	2	4	3	6	1	3		3	S 86° E	4·5	3·4	+32	5·5	63	P	·484	+·170	1·0	−0·3	1	0·50	+ 0·50	0·74	0·26	+ 0·48	1·27	1·53	− 0·26	0·72	Jhansi.
														45	+ 1	·385	−·021	2·1	+0·5				0·79	0·43	+0·23					IX.—Deccan.
29		1				1			Calm.	7·4	11·6	−36		35	−13	·296	−·100	1·5	+0·6	0	0·90	− 0·90	0	0·33	− 0·33	2·29	0·62	+ 1·67	0	Belgaum.
	2	4	2	4	2	2	1	14	N 29° W	9·5	7·4	+28	9·4	28	− 7	·263	−·084	0·5	−0·8	0	0·60	− 0·60	0	0·26	− 0·26	0·99	0·79	+ 0·20	0	Sholapur.
16			1			3	7	4	N 86° W	8·2	8·3	− 1		40	− 1	·295	−·042	0·9	−0·3	0	0·30	− 0·30	0	0·04	− 0·04	0·45	0·33	+ 0·12	0	Poona.
	4		3	4	5	1	5	9	N 74° W	6·8			7·4	52	− 3?	·506	−·027	0·5	−0·6	0	0·70	− 0·70	0	0·49	− 0·49	0·12	0·59	− 0·47	0	Bijapur.
9	2				1	9	10		N 64° W	10·1	6·4	+58	11·6	34	−19?	·302	−·165	0	−1·7	0	0·10	− 0·10	0	0·04	− 0·04	0·02	0·44	− 0·42	0	Malegaon.
4	8				1	1	1	16	N 36° W	7·2			8·8	32	−24?	·261	−·250?	0	−1·1	0	0·30	− 0·30	0	0·32	− 0·32	0·40	1·22	− 0·82	0	Ahmednagar.
2		6	9	4	1	2	2	5	N 75° E	5·6	4·4	+27	4·9	36	+ 1	·324	+·016	1·5	−0·2	1	0·90	+ 0·10	0·39	0·43	− 0·04	1·17	1·68	− 0·51	0·39	Akola.
9	1	7	8	2	1	1	2		N 77° E	3·9	4·0	− 3	3·5	32	− 7	·300	−·068	2·2	+0·8	1	0·80	+ 0·20	0·17	0·32	− 0·15	0·65	1·45	− 0·80	0·15	Amraoti.
7		5	4			3	4	8	N 31° W	5·0	4·6	+ 9	5·0	31	− 4	·261	−·029	1·5	+0·4	0	0·30	− 0·30	0·09	0·12	− 0·03	0·09	0·86	− 0·77	0·09	Khandwa.
8		12	7		1	1	1	1	N 60° E	4·3	2·6	+65	4·4	41	− 5?	·331	−·007	2·1	+0·4	0	0·40	− 0·40	0·02	0·18	− 0·16	0·33	1·24	− 0·91	0·01	Hoshangabad.
2	12	7	6	1				3	N 27° E	4·6	5·5	−16	3·6	43	+ 2	·372	−·007	2·5	+0·6	3	1·10	+ 1·90	2·53	0·48	+ 2·05	3·05	1·77	+ 1·28	1·25	Nagpur.
7	3	2	4	9	3	1		2	S 66° E	4·5	3·2	+41	4·0	44	− 3	·411	−·023	1·9	+0·4	4	1·40	+ 2·60	1·72	1·19	+ 0·53	2·25	2·32	− 0·07	0·70	Chanda.
6	4	7	2	3	5	2		2	N 74° E	6·9	3·4	+103	5·8	49	+ 2	·370	−·012	3·3	+1·4	7	1·70	+ 5·30	2·02	0·59	+ 1·43	2·71	2·52	+ 0·19	0·56	Seoni.
6	1	2	3	8	7	2		2	S 35° E	3·5	3·0	+17	3·1	54	+ 6	·375	+·018	2·6	+0·8	2	1·20	+ 0·80	1·00	0·43	+ 0·57	3·65	2·04	+ 1·61	0·75	Jubbulpore.
1	2	5	8	6	3	4	2		S 67° E	7·1	3·2	+122	6·3	30	− 9	·231	−·076	2·4	+0·9	1	0·60	+ 0·40	0·17	0·29	− 0·12	0·79	2·04	− 1·25	0·17	Saugor.
10	3	2	3	1		1	5	6	N 34° W	2·2	5·5	−60	2·0	52	+12	·375	+·071	6·5	+5·2	2	1·00	+ 1·00	0·89	0·43	+ 0·46	2·13	2·43	− 0·30	0·46	Sutna.
15	2	8	2	1	1	1		1	N 49° E	4·3	4·7	− 9	5·2	59	+17	·463	+·094	3·7	+1·5	2	1·80	+ 0·20	2·49	0·65	+ 1·84	5·51	1·45	+ 4·06	2·20	Raipur.
9	3	1	2	2	7	1	1	5	S 31° W	5·2			4·4	53		·380		3·8		9			3·24			7·66			1·20	Pendra.
	1	5	12	7	5	1			S 73° E	4·0	2·0	+100	3·9	68	+13	·547	+·065	3·3	+1·5	4	1·80	+ 2·20	3·17	1·07	+ 2·10	7·75	2·10	+ 5·65	1·24	Sambalpur.
12	1	3	5		1	1	5	3	N 11° W	9·4			9·3	43		·398		1·0		0	0·50	− 0·50	0	0·14	− 0·14	1·67	0·98	+ 0·69	0	Aurangabad.
9		5						17	N 29° W	4·3			3·6	46		·476		1·0		1	0·80	+ 0·20	0·85	0·48	+ 0·37	0·88	0·99	− 0·11	0·80	Indur.
	3	1	1	4	4	11	5	2	S 45° W	6·5			5·5					2·9		0	1·40	− 1·40	0·08	0·50	− 0·42	2·83	1·22	+ 1·61	0·08	Bidar.
11	2	2	2	3		5	1	5	N 72° W	10·0			8·6	50	+ 7	·507	?	0·1	−0·9	0	0·80	− 0·80	0	0·52	− 0·52	1·10	0·88	+ 0·22	0	Gulbarga.
	7	3	1	11	3	3	2	1	S 63° E	7·4			7·0	47	− 2	·488	−·022	2·7	+1·3	0	0·70	− 0·70	0	0·44	− 0·44	1·36	0·68	+ 0·68	0	Raichur.
27				2			2		S 25° W	3·3			3·2	60	+ 3	·519	−·003	2·1	+0·9	0			0	0·58	− 0·58	3·31	0·96	+ 2·35	0	Hyderabad (Deccan).
3			1	21	6				S 38° E	11·6			10·2	64		·586		2·4		2	0·70	+ 1·30	1·00			1·26			0·88	Hanumkonda
														77		·742	−·038	1·7	−0·3				0·24	0·51	−0·27					X.—West Coast.
	9	8	4	3			1	6	N 21° E	9·7	11·5	−16		76	+ 1	·670	−·032	2·7	+0·9	0	0	0	0	0·02	− 0·02	0·15	0·20	− 0·05	0	Bombay.
2	10	9	6	3				1	N 43° E	11·5	9·9	+16	11·4	74	+ 5	·648	−·030	0·9	−0·5	0	0·10	− 0·10	0	0·01	− 0·01	0·40	0·24	+ 0·16	0	Ratnagiri.
2		5	10	2	4	4	2	2	S 69° E	9·5				79	0	·745	−·056	2·1	−0·1	0			0	0	0	0·60	0·05	+ 0·55	0	Mormugao.
1	3	6	14	1		3		1	N 73° E	8·9				76	0	·693	−·072	1·6	−0·4	0			0	0	0	0·31	0·31	0	0	Goa.
9	3	9	9			1			N 59° E	4·3				87	+ 5	·672	−·054	0·5	−1·0	0	0	0	0	0	0	0·09	0·18	− 0·09	0	Karwar.
	2	19	10						N 57° E	8·4				73	− 4	·815	−·023	1·7	−0·4	0	2·60	− 2·60	0·04	2·15	− 2·11	2·29	5·22	− 2·93	0·02	Cochin.
7	4	4	11	2	1			2	N 67° E	8·7			8·7	77	+ 1	·810	−·002	1·8	−0·2	0	0·90	− 0·90	0	0·58	− 0·58	0·62	1·89	− 1·27	0	Calicut.
9	7	6	8	1					N 51° E	5·1	3·4	+50		76	− 2	·789	−·019	1·6	−0·8	0	0·20	− 0·20	0	0·07	− 0·07	0	0·60	− 0·60	0	Mangalore.
12	4	5	1				1	8	N 9° W	4·9				73	− 4	·754	−·041	2·6	+0·2	1	2·60	− 1·60	2·12	1·78	+ 0·34	2·57	5·29	− 2·72	2·12	Trivandrum.

the data for that station are not utilized in calculating the provincial departures from normal.
Nos. 40, 42 and 44 are derived are incomplete.

Table

Abstract of Observations taken at 8 h. at 234 Stations

Number of rainfall division.	Station.	Elevation of bar-cistern above sea-level in feet.	Pressure, 8 h., in inches.								Temperature of Air.												
			Mean 8 h. pressure reduced to 32°.	Departure from normal.	Mean 8 h. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 h. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	XI.—South India.			+·043								93·2	−0·5	71·4	−0·1	82·3	−0·3	21·8					33·3
57	Pamban	37	29·962	+·046	29·926	30·053	10th	29·889	19th	·164	82·1	89·7	+0·9	77·3	+1·2	83·5	+1·1	12·4	91·8	20th & 22nd.	73·2	9th	18·6
	Tinnevelly	168	29·841	+·057	29·939	29·932	10th	29·751	19th	·181	82·5	97·5	+1·0	76·9	+1·3	87·2	+1·2	20·6	100·8	19th	70·9	rd	29·9
	Madura	447	29·554	+·036	29·940	29·642	11th	29·464	19th	·178	81·0	95·6	−1·1	73·6	+0·8	84·6	−0·2	22·0	100·0	20th	67·1	h	32·9
	Periyakulam	944	29·051		29·946	29·145	11th	28·966	19th	·179	76·8	93·7		69·4		81·0		24·3	97·3	14th	61·4	10th	35·9
34	Salem	940	29·087	+·033	29·976	29·165	11th	29·008	19th	·157	79·2	98·2	−0·4	71·2*	+0·4*	84·5*	0	27·0	103·5	20th	66·4	22nd, 3rd & 10th.	37·1
	Coimbatore	1,348	28·645	+·023	29·956	28·733	11th	28·561	19th	·172	75·4	95·9	−0·4	70·5	+0·7	83·2	+0·2	25·4	99·9	20th & 21st.	64·8	10th	35·1
35	Mercara	3,781	26·298	+·032	26·231	26·381	11th	26·239	19th	·142	68·4	84·9	+0·3	62·0	+0·2	73·5	+0·3	22·9	91·5	28th	57·1	4th	34·4
36	Chitaldroog	2,405	27·591	+·035	29·922	27·673	6th	27·529	19th	·144	79·0	95·2	+0·8	70·3	+0·1	82·8	+0·5	24·9	100·0	28th	63·9	4th & 6th.	36·1
	Bangalore	3,021	27·014	+·028	29·961	27·096	6th	26·959	19th	·137	72·5	90·5	−0·2	64·1	−0·6	77·3	−0·4	26·4	95·3	27th	57·4	3rd & 4th.	37·9
	Hassan	3,091	26·953	+·039	26·957	27·033	11th	26·896	24th	·137	73·9	93·1	+2·1	60·6	−1·7	76·9	+0·2	32·5	97·4	27th	52·4	4th	45·0
	Mysore	2,518	27·500	+·037	29·955	27·581	11th	27·438	24th	·143	75·7	93·5	0	68·1	+0·9	80·8	+0·5	25·4	97·0	28th & 30th.	59·4	4th	37·6
56	Negapatam	31	29·963	+·025	29·923	30·050	10th	29·888	19th	·162	81·4	89·9	+1·2	77·4	+1·9	83·7	+1·6	12·5	92·4	25th & 31st.	70·5	9th	21·9
	Cuddalore	37	29·972	+·056	29·939	30·056	10th	29·887	19th	·169	79·1	88·7	−0·6	72·6	+0·4	80·7	−0·1	16·1	91·7	20th	68·2	2nd & 9th.	23·5
	Trichinopoly	255	29·760	+·041	29·950	29·855	6th	29·665	19th	·190	79·7	95·7	−2·2	72·3	−0·5	84·0	−1·4	23·4	100·6	15th	68·9	9th	33·7
	Pudukkottai	318	29·699		29·952	29·783	11th	29·617	19th	·166	79·6	95·1							99·1	21st			
	Madras	22	29·987	+·035	29·940	30·090	6th	29·886	19th	·204	79·5	88·4	−1·6	71·5	−0·7	80·0	−1·2	16·9	92·5	20th	67·5	3rd	25·0
	Vellore	707	29·294		29·954	29·390	6th	29·201	19th	·189	75·9	92·6		68·8		80·7		23·8	98·4	20th	62·2	12th	36·2
55	Nellore	52	29·932	+·055	29·927	30·059	6th	29·821	31st	·238	78·3	92·2	−4·0	72·1	−0·3	82·2	−2·2	20·1	97·3	20th & 31st.	68·6	3rd & 5th.	28·7
	Masulipatam	15	30·001	+·054	29·951	30·128	6th	29·907	31st	·221	81·0	90·5	−0·9	72·4	+0·1	81·5	−0·4	18·1	95·6	8th & 13th.	62·2	6th & 7th.	33·4
54	Cuddapah	433	29·544	+·047	29·917	29·658	6th	29·460	14th	·198	81·9	100·6	−1·1	73·3	−1·7	87·0	−1·4	27·3	105·7	9th	65·9	5th	39·8
	Kurnool	923	29·038	+·038	29·911	29·145	6th	28·953	14th	·192	80·6	100·1	−0·8	71·7	+0·2	85·9	−0·3	28·4	105·3	31st	60·5	5th & 6th.	44·8
	Bellary	1,475	28·484	+·024	29·916	28·578	6th	28·424	19th	·154	79·1	100·4	+0·1	71·5	−0·6	86·0	−0·3	29·9	105·5	31st	63·2	4th	43·3
52	Cocanada	26	29·993	+·059	29·955	30·115	6th	29·905	14th & 31st.	·210	78·9	89·3	−2·4	71·9	−1·6	80·6	−2·0	17·4	97·1	9th	62·5	19th	34·6
	Waltair(Vizag.)	*226*	29·788	+·057	29·958	29·894	6th	29·692	31st	·202	78·5	86·0	?	73·1	?	79·6	?	12·9	91·4	9th & 30th.	67·4	7th	24·0
	Gopalpur	72	29·926	+·072	29·940	30·046	3rd	29·798	31st	·248	76·8	86·1	−0·5	71·7	−1·5	78·9	−1·0	14·4	91·2	9th	61·0	1st	30·2
	XII.—Hill Stations.																						
48	Pishin											60·4		37·5		49·0		22·9	69·3	16th	26·0	4th	43·3
	Quetta	5,502	24·657	+·004	24·617	24·783	6th	29·537	24th	·246	44·5	57·8	− 3·5	37·7	−2·3	47·8	−2·9	20·1	66·2	16th	25·0	4th	41·2
	Kalat										43·2	53·3	− 5·4	28·1	−4·2	43·7	−4·8	31·2	68·9	16th	15·1	4th	53·8
	Chaman	4,311	25·737	+·021	25·699	25·883	4th	25·614	24th	·269	48·6	62·2	− 5·1	43·2	−0·9	52·7	−3·0	19·0	71·3	16th	31·1	4th & 5th	40·2
30	Leh	11,503	19·656	−·036	19·624	19·769	8th	19·477	23rd	·292	25·9	44·8	+ 1·7	20·1	−1·0	32·5	+0·4	24·7	52·1	28th	10·9	1st	41·2
	Srinagar	5,204	24·946	+·016	24·917	25·084	1st	24·756	23rd	·328	39·4	52·8	− 2·6	36·7	−0·4	44·8	−1·5	16·1	65·1	19th	23·6	1st	41·5
	Sonemarg	*8,764*	21·793		21·761	21·867	10th	21·613	23rd	·254	24·4	39·9		17·8		28·9		22·0	47·8	21st	1·6	1st	46·3
	Astor (Kashmir)	7,955	22·556		22·526	22·665	5th	22·303	23rd	·362	31·1	44·2		26·7		35·5		17·5	49·5	5 days	11·0	1st	38·5
	Minimarg	*9,359*	21·356		21·324	21·469	10th	21·147	23rd	·322	25·7	45·0		14·5		29·8		30·5	59·9	13th	−5·5	1st	65·4
	Skardu	*7,505*	22·892		22·862	23·022	8th	22·626	23rd	·396	36·4	48·2		22·1		40·2		16·1	57·5	30th	22·6	1st	34·9
	Dras	*10,059*	20·789		20·757	20·900	8th	20·561	23rd	·339	12·8	31·3		2·9		17·1		28·4	40·3	27th, 28th & 29th.	−18·9	1st	59·2
	Gilgit	4,890	25·175		25·148	25·297	5th	24·903	23rd	·394	49·4	61·3	− 0·4	45·5	+0·2	53·4	−0·1	15·8	70·6	21st	34·1	1st	36·5
32	Chitral	*5,486*									40·9	57·7		37·7		47·8		20·0	68·2	21st	29·0	1st & 4th.	39·3
	Killa Drosh	4,700?									41·5	56·4		38·6		47·5		17·8	67·8	20th	27·1	1st	40·7
	Para Chinar	6,000	24·467		24·434	24·569	6th	24·303	23rd	·261	43·8	56·7		36·8		46·8		19·9	64·9	21st	26·0	1st	38·9
	Cherat	*4,956*	25·754	+·040	25·722	25·851	7th	25·592	23rd	·259	49·1	57·3	− 4·2	45·4	−2·5	51·4	−3·4	11·9	69·3	19th	38·0	4th, & 5th.	31·3

N. B.—Elevations in italics indicate barometrical determinations. * Mean of 25 days. Note 1.—When a query is inserted against any reading or in the returns
,, 2.—The data from which divisional means of the figure columns

Note.—The barometric readings are not reduced to sea-level in the cases of hill or plateau stations the elevations of which exceed 3,209 feet.

I—*continued.*

in India, Burma, etc., in March 1906—continued.

Wind Direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction	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 h. Mean humidity at 8 h.	Departure from normal.	Mean vapour tension at 8 h.	Departure from normal.	Cloud. Mean cloud amount at 8 h.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st Dec. 1905 to 31st Mar. 1906.	Normal rainfall for period, 1st Dec. to 31st March.	Departure from normal of period, 1st Dec. 1905 to 31st March 1906.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
														70	−2	·692	−·015	2·6	+0·3				0·68	0·45	+0·22					XI.—South India.
6	3	10	10	1	1				N 65° E	8·2			8·7	79		·858		2·9		2	0·90	+ 1·10	1·39	0·72	+ 0·67	7·69	13·09	− 5·40	0·77	Pamban.
2	11	10	1				3	4	N 6° E	4·8			4·6	65	− 8	·726	−·039	3·7	+1·4	0	2·30	− 2·30	0·03	1·03	−1·00	1·45	7·28	− 5·83	0·03	Tinnevelly.
3	1	14	7	1	1	1	1	2	N 55° E	5·6	4·1	+ 37	6·4	75	+ 2	·801	+·035	2·9	+0·7	1	1·00	0	0·57	0·47	+ 0·10	0·76	3·09	− 2·33	0·47	Madura.
22	2	2	1	2			2		N 45° E	2·1			2·3	70		·646		2·0		6	2·30	+ 3·70	4·15	1·73	+ 2·42	7·71	4·89	+ 2·82	2·29	Periyakulam.
16		3	12						N 82° E	6·0	5·5	+ 5	5·2	80	+ 9	·813	+·102	1·5	−0·2	1	1·20	− 0·20	0·15	0·71	− 0·56	1·40	2·53	− 1·13	0·15	Salem.
2	3	14	6	2	1	1	2		N 56° E	5·0	3·3	+ 52	4·6	76	− 4	·682	−·048	2·9	+0·4	1	1·10	− 0·10	0·54	0·50	+ 0·04	0·75	2·25	− 1·50	0·50	Coimbatore.
10	5	3	8					5	N 32° E	2·0	3·4	− 41	1·9	68	0	·475	−·018	2·8	−0·1	0	2·00	− 2·00	0	0·81	− 0·81	2·60	1·48	+ 1·12	0	Mercara.
6	3	1	3	3	1	3	5	6	N 64° W	5·8			5·0	45	− 6	·452	−·038	1·4	+0·3	0	0·50	− 0·50	0	0·34	− 0·34	1·24	0·51	+ 0·73	0	Chitaldroog.
		1	7	9	5	5	4		S 25° E	8·4	3·6	+133	7·5	66	0	·475	−·068	2·2	+0·6	1	1·00	0	0·60	0·48	+ 0·12	1·76	1·19	+ 0·57	0·60	Bangalore.
8		3	7	7	4			2	S 69° E	2·4			2·1	59	− 8	·491	−·057	2·3	+0·3	0	0·90	− 0·90	0	0·38	− 0·38	0·03	0·62	− 0·59	0	Hassan.
3	1	4	3	5	6	6	3		S 12° E	6·7			7·2	67	− 1	·593	+·015	2·9	+1·3	1	1·00	0	0·24	0·23	+ 0·01	0·75	0·62	+ 0·13	0·22	Mysore.
4		6	10	2	1		1	7	N 55° E	13·0	3·6	+261	12·4	74	− 3	·801	−·026	4·8	+0·6	1	0·50	+ 0·50	0·10	0·52	− 0·42	2·59	15·26	−12·67	0·10	Negapatam.
6	1		1	1	3	3	5	11	N 77° W	4·8			6·0	79	− 6	·795	−·070?	2·6	−0·6	1	0·40	+ 0·60	0·20	0·30	− 0·10	3·68	10·00	− 6·32	0·20	Cuddalore.
12	7	5	4					3	N 23° E	3·7	3·8	− 3		79	+ 6	·798	+·051	3·1	+0·3	1	0·50	+ 0·50	3·22	0·41	+ 2·81	5·39	4·23	+ 1·16	3·18	Trichinopoly.
2	10	8	3	3	2	1		2	N 37° E	6·8			8·0	74		·749		4·9		2			0·80			2·93			0·59	Pudukkottai.
3		1	1	2	7	8	7	2	S 43° W	5·5	6·4	− 14		81	+ 3	·817	+·007	2·2	−0·3	1	0·80	+ 0·20	0·62	0·21	+ 0·41	5·39	6·98	− 1·59	0·62	Madras.
25	1	1				1		3	N 34° W	3·0			3·0	79		·704		1·8		0	0·30	− 0·30	0·01	0·19	− 0·18	8·08	3·69	+ 4·39	0·01	Vellore.
3	1		1	12	11	1		2	S 22° E	7·0				78	− 3	·762	−·061	3·5	+0·9	1	0·30	+ 0·70	0·89	0·08	+ 0·81	7·92	2·37	+ 5·55	0·89	Nellore.
18		1		8	4				S 36° E	7·0	6·8	+ 3	6·2	78	− 5	·830	−·027?	2·9	+0·2	0	0·40	− 0·40	0·08	0·12	− 0·04	0·14	1·19	− 1·05	0·08	Masulipatam.
	1	4	10	4		1	11		N 86° E					63	+ 5	·689	+·035	1·2	0	0	0·20	− 0·20	0	0·04	− 0·04	2·45	1·41	+ 1·04	0	Cuddapah.
7		1	2		14	5	2		S 10° W	7·7				60	+ 7	·627	+·081	1·1	−0·1	0	0·60	− 0·60	0	0·41	− 0·41	0·70	0·62	+ 0·08	0	Kurnool.
2	2		3	6	6	3	4	5	S 20° W	5·5	4·6	+ 20	4·8	40	−10	·399	−·130	1·9	+0·5	0	0·50	− 0·50	0	0·14	− 0·14	0·55	0·36	+ 0·19	0	Bellary.
13	3	3		4		2	3	3	N 28° W	6·3			5·3	79	+4	·783	+·032	2·9	+0·4	1	0·70	+ 0·30	0·68	0·47	+ 0·21	2·40	1·75	+ 0·65	0·64	Cocanada.
4		1	1	2	1	9	13		S 63° W	9·7				68	− 4	·665	−·077	3·3	+0·6	1	0·60	+0·40	1·35	0·32	+1·03	4·81	2·45	+ 2·36	1·35	Waltair (Vizag.).
	9			1	3	13		5	S 89° W	15·8	11·8	+ 34	15·5	71	− 7	·660	−·080	1·2	−1·3	1	1·00	0	0·58	0·65	−0·07	2·49	2·00	+ 0·49	0·55	Gopalpur.
																														XII.—Hill Stations.
																				11	5·00	+ 6·00	5·08	1·83	+32·5	16·26	8·05	+ 8·21	1·00	Pishin.
14	2		3	6	4			2	S 50° E	2·8	4·8	− 42	2·9	75	+13	·224	+·013	4·3	+1·3	12	4·00	+ 8·00	4·36	1·84	+ 2·52	12·56	6·89	+ 5·67	0·89	Quetta.
			1		29		1		S					75		·214				4	2·60	+ 1·40	1·80	0·83	+ 0·97	10·41	3·53	+ 6·88	0·70	Kalat.
7	7	7	1	1		1	2	5	N 2° E	7·5			8·3	78	+19	·267	+·008	4·5	+0·8	8	4·70	+ 3·30	2·35	1·31	+ 1·04	11·40	5·28	+ 6·12	0·60	Chaman.
23	2			1	1	2	2		S 67° W	3·1				50	0	·073	−·004	5·5	−0·6	0	1·00	− 1·00	0·14	0·22	− 0·08	0·61	1·07	− 0·46	0·07	Leh.
13			1	6	5	2	1	3	S 5° E	3·2			3·0	88	− 1	·218	−·019	7·4	+1·5	10	6·60	+ 3·40	4·42	3·14	+ 1·28	15·09	10·34	+ 4·75	1·22	Srinagar.
19	1	3	6	1			1		N 73° E	1·9			1·7	92		·122		7·3		17			23·19			62·07			7·62	Sonemarg.
11					16	4			S 8° W	4·6			4·2	78		·137		6·7		3			1·68			5·67			0·80	Astor (Kashmir).
17		4	1	9					S 71° E	4·8			5·1	55		·117		7·0		12			6·48			19·43			2·65	Minimarg.
10	1	3	3	1	3	5	5		S 34° W	3·8			3·8	66		·143		6·8		2	2·70	− 0·70	0·51	1·20	− 0·69	3·40	4·77	− 1·37	0·24	Skardu
30		1							N 45° E	1·9			1·5	88		·080		6·3		10	10·80	− 0·80	3·44	4·39	− 0·95	10·87	13·13	− 2·26	0·95	Dras.
22	1		1			2	5		S 85° W	3·2			2·8	49	− 2	·171	−·008	8·2	+2·0	1	1·40	− 0·40	0·19	0·59	− 0·40	0·66	1·05	− 0·39	0·12	Gilgit.
30					1				S	1·5			1·4	78		·202		2·9		6			1·71			6·18			0·50	Chitral.
25			4	1					S 79° E					87		·233		4·8		8			1·82			3·85			0·50	Killa Drosh.
30	1								N	4·0			3·7	67		·194		3·8		7	9·00	−2·00	2·03	4·76	− 2·73	10·95	8·11	+ 2·84	0·50	Para Chinar.
3	17	1		1	2		2	5	N 13° W	12·1			11·7	67	+11	·234	+·017	4·8	−0·1	7			4·46	3·79	+·067	17·71	10·17	+ 7·54	1·80	Cherat.

of any station, the data for that station are not utilized in calculating the provincial departures from normal.
Nos. 40, 42 and 44 are derived are incomplete.

† Wind observations for 30 days.

Tabl

Abstract of Observations taken at 8 h. at 234 Station

Number of rainfall division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 h., in inches.								Temperature of Air.												
			Mean 8 h. pressure reduced to 32°.	Departure from normal.	Mean 8 h. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 h. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
29	Murree	6,333	23·853	+·006	23·822	23·940	10th	23·715	23rd	·225	44·0			36·0	−7·3						25·0	1st	
	Kailang	*10,087*	20·975		20·930	21·043	3rd	20·945	31st	·098	23·6	37·8 ‡	−3·6	18·0 (c)	−3·5	28·0 (c)	−3·6	19·8	44·4	28th	3·0	1st	41·4
	Poo											43·2		30·6		37·0		12·6	52·2	23rd	15·4	1st	36·8
	Simla	7,224	23·116	+·011	23·078	23·199	10th	23·003	19th	·196	45·9	51·7	−4·7	39·6	−6·4	45·7	−5·6	12·1	59·5	31st	27·7	1st	31·8
	Sarain		23·193			23·289	10th	23·071	19th	·218	43·0	51·5		31·8		41·7		19·7	61·5	31st	20·7	1st	40·8
	Chakrata	7,022	23·302	+·009	23·263	23·400	5th	23·166	19th	·234	44·5	57·2	−4·5	40·4	−3·9	48·8	−4·2	16·8	65·3	31st	27·0	1st	38·3
25	Ranikhet	6,069	24·127	+·020	24·086	24·235	5th	23·993	19th	·242	50·4	61·2	−4·1	45·5	−3·6	53·4	−3·9	15·7	71·0	31st	34·1	1st	36·9
	Muktesar	7,600	22·613		22·771	22·891	21st	22·710	19th	·181	46·8	55·9		40·6		48·3		15·3	67·3	31st	27·9	1st	39·9
13	Yatung	10,480										47·0		28·8		37·9		18·2	54·1	12th & 27th.	20·1	8th	34·0
	Darjeeling	7,376	23·021	+·016	22·977	23·126	6th	22·892	19th	·234	46·4	53·6	−2·9	40·1	−2·2	46·9	−2·6	13·5	62·2	28th & 30th	32·0	2nd	30·2
8	Shillong	4,920	25·164		25·116	25·258	6th	25·058	8th	·200	56·3	67·3		47·7		57·5		19·6	74·1	30th & 31st.	31·0	1st	43·1
	Cherra Poonjee	4,309	25·752		25·702	25·836	6th	25·635	19th	·201	57·7	64·4		51·7		58·1		12·7	71·7	12th & 16th.	39·0	1st	32·7
50	Mount Abu	3,945	26·100	+·008	26·050	26·214	6th	25·970	31st	·244	64·7	72·8	−4·9	58·5	−3·0	65·7	−4·0	14·3	81·2	31st	49·5	1st	31·7
42	Pachmarhi	3,528	26·517	+·022	26·464	26·599	6th	26·396	31st	·203	68·0	82·1	−2·3	59·1	−1·3	70·6	−1·8	23·0	89·7	31st	37·8	1st	51·9
34	Wellington†	6,200	24·321	+·021	24·254	24·397	10th	24·235	16th	·162	61·2	73·3	−0·3	50·8	−0·6	62·1	−0·5	22·5	77·2	12th	46·2	3rd, 4th & 6th	31·0
	Ootacamund	*7,322*	23·067		23·003	23·115	10th	23·023	24th	·092	57·9	68·4		47·0		57·7		21·4	73·0	27th	43·7	5th & 11th	29·3
57	Kodaikanal	7,688	22·892		22·827	22·946	9th	22·856	14th	·090	57·5	68·6		50·7		57·8		17·9	74·2	27th	46·9	3rd	27·7
	XIII.—Extra India.																						
	Trincomalee	12	29·977	+·044	29·915	30·044	9th	29·914	19th	·130	81°	90·4	+2·4	78·3	+2·3	84·4	+2·4	12·1	92·0	29th	75·0	9th	17·0
	Colombo	40	29·929	+·003	29·895	30·010	11th	29·872	24th	·138	80·3	89·3	−0·1	75·9	+1·0	82·6	+0·5	13·4	93·5	2nd	73·0	2nd & 3rd.	20·5
	Meshed (*d*)	3,104	27·544§			28·030	1st	27·230	12th	·800	45·2	56·2		36·5	−1·8	46·4		19·7	68·8	31st	22·0	1st	46·8
	Ispahan	*5,817*	24·239§			24·410	10th	23·980	20th	·430	40·9	58·6	−2·5	35·8	−0·4	47·2	−1·5	22·8	69·6	31st	26·2	5th	43·4
	Bushire	14	30·009	+·022	29·982	30·186	3rd	29·808	19th	·378	60·6	70·3	−2·0	57·4	−1·4	63·9	−1·7	12·9	82·6	18th	50·3	4th	32·3
	Bahrein (*d*)	18	30·089		30·061	30·283	2nd & 3rd	29·856	19th	·427	68·2	73·4		61·2		67·3		12·2	83·6	7th	54·3	5th	29·3
	Jask	13	30·065	+·077	30·035	30·225	5th & 6th.	29·942	18th	·283	68·9	77·2	−1·5	64·7	−1·4	71·0	−1·5	12·5	81·3	29th	57·3	5th	24·0
	Muscat	20									72·3‡	79·9	+3·3	68·5	−3·5	74·2	−0·1	11·4	86·3	17th	63·1	4th	23·2
	Baghdad	220	29·847	−·089	30·055	30·131	2nd	29·525	7th	·608	52·2	74·2	+1·9	46·4	−1·9	60·3	0	27·8	86·2	30th	36·0	13th	50·2
	Busrah	25	30·029			30·250	2nd	29·861	17th	·389		69.2		56·5		62·9		12·7	77·2	31st	49·1	14th	28·1
	Aden	94	29·939	+·042	29·966	30·041	3rd	29·797	24th	·244	78·5	83·3	−1·1	77·0	+1·8	80·2	+0·4	6·3	87·8	24th	71·9	1st	15·9
	Perim	201	29·812	+·075	29·950	29·915	5th	29·715	19th	·200	79·3	86·3	+1·0	76·7	+0·9	81·5	+1·0	9·6	89·1	31st	74·2	9th	14·9
	Kabul		24·311		24·280	24·452	7th	24·194	29th	·258	35·6	51·9	−5·2	30·3‡	−5·3‡	41·1‡	−5·3‡	21·6‡	65·7	28th & 30th.	12·2	1st	53·5
	Kashgar (*d*)	4,255	25·615§			25·871	4th	25·313	22nd	·558	41·7	59·6	+3·2	36·3	−0·1	48·0	+1·6	23·3	75·9	19th	21·6	3rd	54·3
	Amini Divi	*13*									83·2	88·6	+0·6	77·6	−0·5	83·1	+0·1	11·0	92·1	31st	73·4	4th	18·7
	Minicoy	7	29·987		29·920	30·071	11th	29·923	31st	·148	83·2	87·4	−0·7						89·3	26th			
	Zanzibar	72	29·929	+·023	29·928	29·997	2nd	29·844	24th	·153	80·2	85·1	−1·3	77·8	−1·6	81·4	−1·5	7·3	90·0	13th	72·8	2nd	17·2
	Do. Dunga	*154*	29·667		29·950	29·927	7th & 8th.	29·771	24th	·156	77·8	86·1		74·6		80·3		11·5	88·7	4 days	73·6	30th	16·1
	Penang (*a*)	20	29·921		29·866	29·978	8th	29·887	25th	·091	84·2	92·0		75·1		83·6		16·9	94·0	5 days	72·0	9th & 10th.	22·0
	Singapore (*a*)	10	29·969		29·900	30·034	10th	29·907	1st	·127	84·3	88·9		74·9		81·9		14·0	93·6	25th	72·2	8th	21·4

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

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

" 2.—The data from which divisional means of the figure columns Nos. 4

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

(*a*) 9 hours' observations.
(*b*) Aneroid uncorrected.
§ Aneroid corrected.
* Mean of 30 days.
(*d*) Observation of 30 days.
† Mean of 21 days.
‡ " 30 "
(*c*) " 29 "

I—*concluded.*

in India, Burma, etc., in March 1906—concluded.

Wind Direction. Number of winds from Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	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 h. Mean humidity at 8 h.	Departure from normal.	Mean vapour tension at 8 h.	Departure from normal.	Cloud. Mean cloud amount at 8 h.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st Dec. 1905 to 31st March 1906.	Normal rainfall for period, 1st Dec. to 31st March.	Departure from normal of period, 1st Dec. 1905 to 31st March 1906.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
11	2		3	4	10			1	S 27° E	6·1	9·4	− 35	6·6	61	+ 7	·175	−·002	4·2	−0·7	11	4·90	+6·10	11·79	4·05	+ 7·74	41·47	12·70	+28·77	4·50	Murree.
		1	4	14	2	3	6	1	S 25° E	0·5				71		·096		3·0		5			1·69	3·58	− 1·89		10·60		1·08	Kailang.
22			1	5	2				S 40° E									5·4		5			2·33	4·11	− 1·78	7·28	12·29	− 5·01	0·89	Poo.
8	4			4	13			2	S 8° E	4·5	2·8	+61	4·3	53	+ 9	·163	+·017	4·3	+0·5	9	4·30	+4·70	6·10	2·07	+ 4·03	17·35	9·01	+ 8·34	1·75	Simla.
27		1	1		1	1			S 45° E	1·4			1·4	66		·181		4·5		8			2·50			25·60			0·62	Sarain.
5	26								N	0·5	5·9	+10	7·8	64	+ 13	·187	+·011	3·3	+0·5	6	4·50	+1·50	4·95	2·30	+ 2·65	20·14	11·39	+ 8·75	1·64	Chakrata.
17	3	3	3	1		3		1	N 45° E	2·5	2·6	− 4	2·9	58	+ 3	·211	−·013	4·1	+1·3	3	3·40	−0·40	0·54	1·95	− 1·41	8·77	7·61	+ 1·16	0·22	Ranikhet.
7	3	3	9			1	8		N 27° E	8·5			7·8	56		·175		4·7		4			1·41			11·63			0·35	Muktesar.
																				6	6·83	−0·83	2·67§	2·33	+ 0·34	6·57	4·02	+ 2·55	0·70	Yatung.
9	2	5	2	5	2	4	2		S 53° E	6·8	6·6	+ 3	6·3	78	+ 3	·251	0	4·7	+1·0	5	3·35	+1·65	1·98	1·55	+ 0·43	6·19	3·50	+ 2·69	1·22	Darjeeling.
15		1	1	1	1	12			S 33° W	4·0			4·5	62		·280		2·5		8	4·40	+3·60	3·25	1·82	+ 1·43	6·16	3·42	+ 2·74	1·25	Shillong.
7		5	1			7	11		S 83° W	6·8			6·0	74		·358		3·8		10	9·00	+1·00	5·33	13·83	− 8·50	13·45	16·95	− 3·50	1·62	Cherra Poonjee.
4	3	7	1	1		8	2	5	N 42° W	7·0	6·7	+ 4	7·1	34	− 1	·208	−·024	3·3	+1·3	0	0·50	−0·50	0	0·13	− 0·13	2·28	0·96	+ 1·32	0	Mount Abu
3	2	1	3	7	1	10	2	2	S 12° W	5·6	4·6	+22	5·8	41	+ 6	·290	+·014	2·3	+0·2	2	0·90	+1·10	0·66	0·33	+ 0·33	1·19	1·92	− 0·73	0·27	Pachmarhi.
19			1	1					S 67° E	2·2	2·8	−22		64	+ 6	·348	+·007	2·7	+1·2	2	3·00	−1·00	3·75	2·41	+ 1·34	12·40	8·67	+ 3·73	3·35	Wellington.
7		3	12	6	2			1	S 81° E	4·0			3·8	44		·210		2·8		3	1·80	+1·20	0·69	1·00	− 0·31	5·93	3·38	+ 2·55	0·29	Cotacamund.
	4	14	8	2	3				N 62° E	11·9				53		·251		2·7		4	3·20	+0·80	2·79	3·59	− 0·80	10·28	11·81	− 1·53	0·99	Kodaikanal.
																													X III.—Extra India.	
25	1	3			1	1			N 45° E	1·1				82	+ 1	·879	+·001	2·4	0	1			0·18	1·45	− 1·27	8·58	24·71	−16·13	0·18	Trincomalee.
	2	9	6	5	3		5	1	N 76° E	6·0	5·0	+20		84	+ 10	·864	+·019	3·0	+0·1	6			4·48	4·45	+ 0·03	12·07	16·73	− 4·66	1·90	Colombo.
														73		·219		3·5		5			3·16	2·43	+ 0·73	5·97	4·57	+ 1·40	1·00	Meshed.
16	2		1	1	2		6	3	N 81° W	3·5			4·5	69		·183		4·0		2			0·34	0·99	− 0·65	3·51	1·96	+ 1·55	0·12	Ispahan.
2	6	6	5	4	2			6	N 39° E	10·3	8·9	+16	11·3	73	+ 3	·386	−·046	3·3	+0·4	0			0·03	1·00	− 0·97	7·02	9·71	− 2·69	0·03	Bushire.
	7	2	3	3	2		4	9	N 20° W	8·9			7·7	69		·473		1·9		3			1·30			3·59			0·75	Bahrein.
4	2	9	1	1				14	N 39° W	10·4			8·9	72	− 2	·519	−·047	4·2	+1·9	2			0·38	1·15	− 0·77	6·88	3·77	+3·11	0·28	Jask.
20				1			1	9	N 49° W	4·3			4·5	77‡	+ 9	·543‡	−·033	3·7	+1·5	3			1·45	1·05	+ 0·40	3·45	3·37	+0·08	0·97	Muscat.
13	3	1	3	3	4	1	1	2	S 56° E	4·0			5·2	69		·276		1·6		2			0·38	1·60	− 1·22	2·44	6·79	−4·35	0·25	Baghdad.
12	12		1		6				N 9° E											0			0·12			4·48			0·08	Busrah.
2		9	11	8				1	N 86° E	5·8	14·9	−61	4·7	78	+ 2	·756	+·030	4·7	−0·5	0			0	0·87	− 0·87	1·11	1·85	−0·74	0	Aden.
	1		25			1	2	2	N 85° E	21·7			21·9	75		·761		3·8		0			0·02	0·27	− 0·25	1·60	0·95	+0·65	0·01	Perim.
		6	10	3	6	3	1	2	S 67° E					80		·173		4·3		5			1·98§	4·90	− 2·92	8·32	7·41	+0·91	0·85§	Kabul.
24	3							1	N 76° W	1·8‖			1·6‖	61¶		·189¶		6·1		0			0·05	0·20	− 0·15	0·53	0·78	−0·25	0·05	Kashgar.**
7	14	9						1	N 17° E					71		·802		3·7		0			0			0·01			0	Amini Divi.
	20	9			1			1	N 13° E	4·2			4·5	74		·836		2·6		1			0·96	0·98	− 0·02	1·66	8·08	−6·42	0·96	Minicoy.
3	3	2		3	8	10	2		S 25° W	5·7			5·3	87		·902		7·7		13			10·62	6·50	+ 4·13	27·07	14·02	+13·05	1·81	Zanzibar.
24		2	1		1	2	1		S	4·3			4·2	94		·898		7·8		23			18·77			36·88			2·11	Do. Dunga.
	2	7	7		1			14	N 7° E	11·3								0		4			2·20			18·41			1·11	Penang.
	1	14	6	3		2	1	4	N 52° E	4·4								3·5		14			11·81			45·00			3·09	Singapore.

station, the data for that station are not utilized in calculating the provincial departures from normal.
42 and 44 are derived are incomplete.

‡ Mean of 25 days.
¶ „ „ 19 „

§ Snow water and rain.

** Wind observations of 28 days.

Table II.—Abstract of Observations recorded at 10 h. and 16 h. at 63 Stations in India, Burma, etc., in March 1906.

Tabl

Abstract of Observations recorded at 10 h. and 16 h. at 6

Meteorological Province.	Station.	Elevation of barometer cistern above sea-level, in feet.	Pressure.						Temperature of Air.										Temperature, Wet-Bulb			
			Mean of 10 h.	Mean of 16 h.	Mean daily range.	Mean of daily mean pressures.	Departure from normal.	Mean reduced to S. L. and gravity 45° Lat.	Mean maximum.	Mean minimum.	Mean daily range.	Highest maximum.	Lowest minimum.	Absolute range.	Mean 10 h.	Mean 16 h.	Mean of daily means.	Departure from normal.	Mean minimum.	Mean 10 h.	Mean 16 h.	Mean of three previous columns
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Burma Coast and Bay Islands.	Port Blair	61	29·956	29·842	·114	29·898	+·034	29·889	90·7	76·4‡	14·3	94·4	71·0	23·4	85·3	89·3	81·9‡	−0·4	73·5	78·7	79·9	77·4
	Rangoon	57	·969	·828	·141	·898	+·057	·892	96·4	70·5	25·9	102·3	64·5	37·8	85·8	92·4	80·8	− 0·4	67·6	72·5	73·9	71·3
	Diamond Island	41	·970	·851	·119	·910	+·023	·886	83·3	74·7	8·6	87·8	72·1	15·7	81·0	81·1	79·2	− 1·3	70·3	74·4	74·5	73·1
	Cocos Island	119	·905	·793	·112	·848		·900	86·3	75·3	11·0	91·1	70·6	20·5	81·9	83·5	79·2		70·6	74·4	75·1	73·4
	Akyab	20	30 004	·883	·121	·939	+·038	·901	87·2	66·9	20·3	92·9	56·1	36·8	79·9	83·9	77·3	− 1·9		71·2	73·5	
Bengal and Orissa.	Chittagong	87	29·940	·822	·118	·872	+·051	·908	85·5	64·9	20·6	91·0	51·9	39·1	79·5§	82·6	75·2	− 2·0	62·1	70·2§	70·7	67·7
	Calcutta (Alipore)	21	·992	·870	·122	·925	+·069	·892	86·2	67·7	18·5	92·9	51·7	41·2	78·9	84·6	76·1	− 3·2	65·0	70·4	71·4	68·9
	Saugor Island	25	·997	·880	·117	·931	+·072	·900	84·9	71·2	13·7	89·8	54·0	35·8	79·9	82·1	76·1	− 3·0	67·7	74·3	76·5	72·8
	False Point	21	30·007	·888	·119	·940	+·067	·902	85·6	69·2	16·3	90·9	52·0	38·9	82·6	82·7	75·5	− 2·3	67·6	74·0	74·1	71·9
Gangetic Plain and Chota Nagpur.	Hazaribagh	2,007	27·961	27·861	·100	27·905	+·047	·868	83·8	60·8	23·0	90·5	45·2	45·3	75·2	81·4	71·9	− 3·9	55·2	61·0	63·3	59·8
	Allahabad	309	29·680	29·551	·129	29·607	+·059	·871	89·9	60·8	29·1	98·7	44·5	54·2	79·6	88·3	74·5	− 2·3	54·6	61·7	64·3	60·2
Upper Sub-Himalayas.	Dehra Dun	2,233	27·719	27·642	·077	27·673	+·045	·904	75·9	51·7	24·2	83·2	38·8	44·4	67·0	72·4	63·4	− 3·6	48·2	55·8	57·0	53·7
	Roorkee	899	29·062	28·971	·091	29·009	+·059	·895	78·7	53·2	25·5	85·3	41·0	44·3	70·1	76·7	61·9	− 4·8	50·8	60·2	62·2	57·7
	Lahore	702	·276	29·199	·077	·231	+·064	·924	76·1	54·1	22·0	84·6	40·1	44·5	67·5	74·3	64·4	− 4·6	52·5	60·8	63·2	58·8
	Ludhiana	812	·145	·056	·079	·100	+·049	·903	77·3	55·4	21·9	85·1	41·5	43·6	68·3	76·2	65·6	−4·5	52·1	59·7	60·8	57·5
Indus Valley and N.-W. Rajputana.	Peshawar	1,110	28·906	28·814	·092	28·854	+·043	·985	71·8	51·2	20·6	82·1	37·9	44·2	65·3	70·2	60·8	− 2·5	48·1	56·8	57·7	54·2
	Jacobabad	186	29·834	29·719	·115	29·770	+·085	·921	84·2	57·8	26·4	93·7	44·1	49·6	75·3	81·1	70·2	− 4·3	53·8	65·1	67·6	62·2
	Kurrachee	30	30·007	·905	·102	·949	+·057	·930	84·3	64·8	19·5	93·5	51·2	42·3	77·9	80·1	73·4	− 1·6	61·3	67·1	69·6	66·0
East Rajputana Central India and Gujarat.	Jaipur	1,431	28·558	28·455	·103	28·498	+·045	·837	85·9	61·3	24·6	93·2	43·0	50·2	76·9	84·0	73·2	− 1·7	52·0	59·6	60·9	57·5
	Udaipur	1,925?	·070	27·949	·121	·004		·876	87·3	60·1§	27·2	94·3	45·0	49·3	78·2	85·9	74·0§		53·6	62·2	67·4	61·1
	Deesa	466	29·526	29·408	·118	29·461	+·039	·878	93·3	62·9	30·4	101·9	49·1	52·8	84·1	91·8	78·4	− 1·9	53·3	63·1	64·2	60·2
	Jamnagar	61	·969	·844	·125	·900		·907	88·2	62·6	25·6	98·1	49·3	48·8	78·5	85·6	73·8		58·1	64·9	65·6	62·8
Deccan.	Belgaum	2,539	27·452	27·329	·123	27·388	+·030	·799	93·9	62·0	31·9	99·3	53·9	45·4	84·7	90·7	76·3	− 1·2	55·5	59·9	64·6	60·0
	Sholapur	1,590	28·384	28·228	·156	28·303	+·020	·804	100·2	68·0	32·2	106·4	60·3	46·1	88·1	98·1	83·4	− 0·8	53·1	63·4	66·8	61·1
	Akola	930	29·036	·879	·157	·953	+·022	·816	98·6	66·0	32·6	107·0	49·0	58·0	86·3	96·6	81·6	− 0·3	54·5	65·7	68·3	62·8
	Buldana	2,132	27·852	27·720	·132	27·778	—·007	·819	92·9	67·5	25·4	101·9	52·7	44·2	82·9	91·3	79·5	− 1·7	54·2	63·5	66·6	61·4
	Khandwa	1,044	28·919	28·768	·151	28·839	+·016	·828	96·0	64·4	31·6	102·4	46·6	55·8	85·0	94·2	80·0	− 1·1	52·0	62·1	64·8	59·6
	Nagpur (Sanitary Commr.'s Office)	1,013	·960	·807	·153	·879		·842	95·2	66·1	29·1	103·5	54·3	49·2	84·0	93·7	80·0		57·4	65·4	68·0	63·6
	Hyderabad (Deccan).	1,690	·292	·156	·136	·220	+·025	·826	96·4	69·3	27·1	102·1	58·9	43·5	86·1	94·6	82·2	− 0·9	61·0	68·2	69·6	66·3
West Coast.	Bombay	37	29·972	29·858	·114	29·911	+·034	·888	84·4	71·5	12·9	90·8	67·7	23·1	78·5	80·3	76·4	−1·6	67·3	71·0	71·9	70·1
	Karwar	44	·970	·849	·121	·909	+·039	·887	86·5	68·5	18·0	88·9	62·7	26·2	80·7	84·6	75·9	− 2·9	66·7	72·5	74·7	71·3

‡ Mean of 17 days.

II.

Stations in India, Burma, etc., in March, 1906.

Vapour Tension.					Humidity.					Cloud.				Wind Direction.										Wind steadiness.		Wind velocity.		Rainfall.		Station
														Total number of 10 h. and 16 h winds from																
From minimum.	Mean 10 h.	Mean 16 h.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 h.	Mean 16 h.	Mean of daily means.	Departure from normal.	Mean 10 h.	Mean 16 h.	Mean of two previous columns.	Departure from normal.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Mean wind direction.	Normal mean wind direction of month.	Average percentage.	Normal percentage.	Mean velocity in miles per diem.	Normal.	Total rainfall for the month.	Heaviest rainfall during the month.	
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
																									%	%					
·793‡	·898	·899	·890	—·002	86‡	74	65	79	0	1·5	2·1	1·8	—1·3		5	36	12	2				7	N 45° E	N 62° E	77	66	110*	101	0	0	Port Blair
·644	·627	·596	·642	—·047	86	50	40	64	— 4	2·3	2·3	2·3	+0·3	1	5	1		5	35	1	10	4	S 17° W	S 21° W	52	55	56*	108	0	0	Rangoon
·682	·766	·770	·763	—·025	80	72	72	79	+ 1	1·4	1·2	1·3	—1·2		5	1	1	3	1	1	2	48	N 48° W	N 42° W	79	85	333*	223	0	0	Diamond Island,
·692	·759	·768	·767	—·026	79	69	66	75	— 2	1·3	1·3	1·3	—0·3		37		2	1				19	N 13° W	N 12° W	77	72	263‖		0	0	Cocos Island,†
	·660	·693				63	59			1·1	1·0	1·1	—1·1			7	13	11			14	17	N 2° W	N 51° W	14	21	106*	89	0	0	Akyab
·534	·627§	·606	·610	—·095	84	61§	53	69	.— 7	2·9	3·2	3·1	—0·3	1	5	10	2	3	5	19	5	12	W	S 36° W	25	21	98*	132	0·38	0·36	Chittagong
·593	·644	·603	·653	+·010	86	65	51	72	+ 5	3·9	4·4	4·2	+2·0	1	3	3	2	3	4	23	14	9	S 70° W	S 60° W	52	44	114*	118	2·08	1·36	Calcutta (Alipore),
·648	·784	·857	·784	—·032	83	76	78	82	+ 3	4·5	4·1	4·3	+0·4		7	1	1	5	24	15	5	4	S 26° W	S 25° W	50	60	246	314	0·91	0·67	Saugor Island,
·674	·727	·729	·731	—·081	92	65	65	77	— 6	3·5	4·1	3·8	+0·7		1	3	3	3	27	21	2	2	S 16° W	S 54° W	66	34	203*	259	0·02	0·02	False Point
·376	·366	·362	·370	+·085	69	41	33	49	+15	3·6	4·6	4·1	+1·6	1	8	2	1	3	5	8	15	19	N 71° W	N 72° W	50	53	174*	194	1·18	0·76	Hazaribagh
·355	·318	·290	·332	—·026	65	32	22	43	+ 1	3·4	4·7		+1·9		9	7	8	3	2	4	16	13	N 39° W	N 63° W	33	41	93*	122	0·05	0·04	Allahabad
·300	·311	·279	·300	+·009	77	47	36	54	+ 7	4·6	5·4	5·0	+1·4										N 81° W			28		50	0·60	0·40	Dehra Dun
·347	·395	·370	·374	+·051	85	54	41	61	+13	2·5	3·2	2·9	+0·3	12	1	1		11	2	3	3	29	N 59° W	N 63° W	32	24	82	72	0·84	0·42	Roorkee
·382	·447	·434	·432	+·072	90	67	52	71	+17	3·9	3·6	3·8	+0·3	8	6	4	4	7	2	3	21	7	N 74° W	N 12° W	27	31	60	70	1·16	0·80	Lahore
·354	·409	·338	·374	+·010	80	58	38	61	+ 8	2·4	2·4	2·4	—1·6			3	4	6		1	27	21	N 69° W	N 46° W	56	35	53*	53	3·80	1·60	Ludhiana
·302	·357	·319	·337	—·007	79	58	45	63	+ 4	4·0	5·7	4·9	—0·1	21	7	8	1	3	2	4	9	7	N 38° W	N 12° E	21	16	35*	86	1·24	0·39	Peshawar
·372	·497	·506	·469	+·153	75	57	49	62	+24	3·3	3·7	3·5	+0·5	12	9	3	8	4	5	9	7	5	N 83° W	E	6	14	93*	94	1·41	0·84	Jacobabad,
·507	·531	·591	·580	—·046	81	55	58	72	+ 1	4·3	3·9	4·1	+1·5		2	6	2	3	1	15	29	4	S 82° W	S 78° W	55	60	215*	274	0·15	0·15	Kurrachee,
·282	·302	·353	·283	—·022	51	33	22	38	— 1	3·3	4·2	3·8	+0·7	2	5	3	11	5	3	7	11	15	N 59° W	N 46° W	19	30	106	108	0·63	0·51	Jaipur
·345§	·371	·450	·380		65§	38	36	45		2·9	3·6	3·3		14	1	7	6	7		8	16	3	S 72° W		13		70*		0	0	Udaipur
·289	·303	·232	·265	—·012	49	26	16	29	+ 2	2·9	2·9	2·9	+0·7		6	10	4	1	1	9	16	15	N 54° W	N 64° W	42	34	201	206	0	0	Deesa
·434	·441	·367	·446		74	45	31	55		1·7	1·5	1·6			14	10	3				12	23	N 26° W		67		264*		0	0	Jamnagar
·364	·213	·291	·332	—·105	65	18	20	42	— 7	1·5	1·7	1·6	—0·2	8	5	6	1	7	5	9	16	5	S 77° W	N 81° W	26	16	179	271	0	0	Belgaum
·222	·279	·270	·281	—·077	32	21	15	26	— 6	0·4	2·1	1·3	—1·0		2	10	2	12	4	9	7	16	N 78° W	N 46° E	12	6	230*	190	0	0	Sholapur
·285	·366	·320	·320	+·032	44	29	18	31	+ 2	1·2	2·1	1·7	0	5	3	7	12	6	1	6	11	11	N 17° W	N 39° W	10	42	119*	115	0·39	0·39	Akola
·261	·353	·354	·318	+·062	38	31	24	31	+ 5	1·3	2·6	2·0	0	2	9	4	2	4	8	4	13	16	N 64° W	N 26° W	35	43	164*	178	0·04	0·04	Buldana
·244	·275	·252	·253	—·031	39	23	16	27	—3	1·5	2·5	2·0	+0·2	3	9	6	5	2	5	3	10	19	N 38° W	N 39° W	37	40	123*	120	0·09	0·09	Khandwa
·378	·404	·369	·380		57	35	24	40		2·0	3·8	2·9		5	9	11	16	2	11	5	2	1	N 85° E		31		89*		2·53	1·25	Nagpur(Sanitary Commr.'s Office),
·441	·470	·414	·443	—·017	64	38	26	44	0	1·9	3·0	2·5	+0·9	35		1	4	12	2	2	6		S 28° E	S 48° E	21	23	80*	101	0	0	Hyderabad (Deccan),
·616	·664	·680	·680	—·057	80	68	65	75	0	1·4	1·8	1·6	+0·3		3	4	6	1	2	2	13	31	N 49° W	N 36° W	58	46	232	262	0	0	Bombay
·635	·692	·730	·713	—·066	91	66	61	77	0	0·5	0·7‖	0·6	—0·8	3	9	4	1			10	13	22	N 57° W	N 81° W	61	81	103	110	0	0	Karwar.

§ Mean of 30 days. ‖ Mean of 28½ days. * Corrected. † Wind observations 3 less.

Table

Abstract of Observations recorded at 10 h. and 16 h. at 63

Meteorological Province.	Station.	Elevation of barometer cistern above sea-level, in feet.	Pressure.						Temperature of Air.										Temperature, Wet-bulb.			
			Mean of 10 h.	Mean of 16 h.	Mean daily range.	Mean of daily mean pressures.	Departure from normal.	Mean reduced to S. L., and gravity 45° Lat.	Mean maximum.	Mean minimum.	Mean daily range.	Highest maximum.	Lowest minimum.	Absolute range.	Mean 10 h.	Mean 16 h.	Mean of daily means.	Departure from normal.	Mean minimum.	Mean 10 h.	Mean 16 h.	Mean of three previous columns.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
South India.	Periyakulam	944	29·060	28·902	·158	28·981		29·853	94·1	69·4	24·7	98·3	61·4	36·9	83·7	91·6	81·3		66·0	72·3	72·1	70·1
	Salem	940	·089	·921	·168	29·011	+·028	·875	98·6	71·2*	27·4	103·5	66·2	37·3	85·6	96·2	83·3*	0	69·4	78·0	82·8?	76·7?
	Chitaldroog	2,405	27·601	27·457	·144	27·527	+·030	·806	95·4	70·4	25·0	100·2	63·9	36·3	85·5	93·7	81·9	+0·6	59·4	66·9	69·2	65·2
	Bangalore	3,021	·026	26·892	·134	26·959	+·027	·828	90·8	64·1	26·7	95·5	57·2	38·3	81·0	89·1	76·5	−0·2	59·6	65·0	64·0	62·9
	Hassan	3,091	26·963	·826	·137	·895	+·037	·815	93·3	60·6	32·7	97·4	52·4	45·0	83·7	90·8	76·0	+0·4	57·0	64·	64·9	62·2
	Mysore	2,518	27·510	27·355	·155	27·433	+·026	·824	93·8	68·1	25·7	96·9	59·5	37·4	82·6	92·5	80·0	+0·6	62·5	68·4	67·8	66·2
	Pudukkottai	318	29·704	29·548	·156	29·626		·873	95·3			99·1			85·2	92·8			69·7	74·0	74·0	72·6
	Madras	22	30·004	·886	·118	·945	+·040	·898	88·5	71·6	16·9	92·4	67·7	24·7	85·6	85·2	78·4	−1·1	70·7	77·0	76·8	74·8
	Bellary	1,475	28·503	28·345	·158	28·421	+·016	·811	100·7	71·5	29·2	105·5	63 0	42·5	88·5	96·9	85·5	−0·1	58·1	66·6	67·2	64·0
	Waltair	*226*	29·807	29·681	·126	29·737	+·064	·905	86·2	73·2	13·0	91·4	67·4	24·0	82·9	82·8	78·1	−1·6	68·0	72·9	73·8	71·6
Hill Station, Baluchistan.	Quetta	5,502	24·671	24·602	·069	24·630	+·003	24·590	58·2	38·1	20·1	66·4	24·8	41·6	50·7	54·3	48·4	−4·2	36·5	44·0	45·6	42·1
Hill Stations, Northern India.	Leh	11,503	19·663	19·560	·103	19·610	−·048	19·578	45·5	20·1	25·4	52·6	10·9	41·7	34·2	41·8	31·6	+0·7	16·7	28·7	31·5	25·6
	Srinagar	5,204	24·969	24·893	·076	24·926	+·022	24·897	53·1	36·8	16·3	65·1	23·6	41·5	43·7	50·9	43·8	−1·3	35·3	41·6	48·1	41·7
	Sarain		23·199	23·143	·056	23·161			51·9	31·7	20·2	61·5	20·7	40·8	47·8	41·5	42·1			39·6	37·8	
	Kalabagh																					
	Simla (Ridge)	7,224	·139	·089	·050	·107	+·002	·069	52·1	29·6	12·5	59·5	32·7	26·8	47·9	48·8	46·2	−5·3	35·1	40·7	42·3	39·4
	Chakrata	7,022	·318	·267	·051	·280	−·001	·240	57·7	40·4	17·3	65·3	27·0	38·3	49·6	51·3	49·4	−3·9	35·5	41·9	43·8	40·4
	Ranikhet	6,069	24·151	24·087	·064	24·112	+·021	·071	61·9	45·8	16·1	71·0	38·5	32·5	55·9	57·5	54·2	−3·3	40·8	46·3	46·8	44·6
	Muktesar	7,600	22·839‡	22·780‡	·059	22·803		22·761‡	56·4	41·0	15·4	67·3	35·2	32·1	50·2	52·4	49·1		35·4	42·0	44·5	40·6
	Katmandu	4,388	25·696	25·590	·106	25·640	§§ +·029	25·594	74·6	44·0	30·6	84·6	34·0	50·6	63·5	70·3	59·6	§§ −1·2	43·5	54·0	55·2	50·9
	Darjeeling	7,376	23·022	22·982	·040	22·999	+·005	22·954	54·3	40·1	14·2	62·4	32·0	30·4	49·8	51·5	47·5	−2·2	38·4	46·4	48·6	44·5
Hill Stations, C. India.	Mount Abu	3,945	26·123	26·051	·072	26·079	+·011	26·029	72·9	58·5	14·4	81·4	49·3	32·1	68·1	70·9	66·0	−3·9	47·9	52·0	52·5	50·8
	Pachmarhi	3,528	·539	·437	·102	·480	+·016	·428	82·7	59·2	23·5	89·9	37·6	52·3	74·5	80·6	71·3	−1·4	50·4	56·5	59·8	55·6
	Chikalda	3,642	·424	·323	·101	·366	+·003	·310	85·6	62·9	22·7	93·3	55·1	38·2	75·6	83·9	74·5	−2·1	52·9	57·2	60·2	56·8
Hill Stations, S. India.	Kodaikanal	7,688	22·917	22·846	·071	22·882		22·817	69·0	50·7	18·3	74·2	46·9	27·3	64·9	61·9	59·8		43·0	51·3	55·1	49·8
	Ootacamund	*7,822*	23·089	23·024	·065	23·051		·987	68·8	46·9	21·9	72·8	43·5	29·3	64·8	64·5	58·2		41·1	50·0	52·0	47·7
	Dodabetta	8,539?	22·086	22·038	·048	22·056		21·993	62·6	48·1	14·5	66·7	43·9	2·8	60·1	60·1	55·7		40·1	45·0	47·7	44·3
Extra India.	Aden	94	29·952	29·828	·124	29·878	+·030	29·905	83 6	77·0	6·6	87·9	72·1	15·8	80·2	82·2	79·0	+0·5	72·6	74·0	74·1	73·6
	Perim	201	·817	·704	·113	·749	+·062	·885	86·5	76·7	9·8	89·1	74·2	14·9	82·4	84·0	80·4	+1·1	69·6	72·4	73·1	71·7
	Minicoy	7	30·005	·911	·094	·962		·895	87·4			89·3			85·1	85·1				77·4	77·2	
	Zanzibar	72	29·939	·812	·127	·880	+·020	·878	85·2	78·0	7·2	90·0	72·8	17·2	81·8	84·3	80·3	−1·2	75·1	77·8	78·5	77·1
	Port Victoria (Seychelles).	15	·962	·869	·093	·921	§§ +·016	·859	85·7	78·7	7·0	89·1	76·1	13·0	83·5	84·0	81·2	§§ +2·3	74·6	77·9	78·3	76·9
	Mauritius (Pamplemouses).	181				·751	−·026	·877				88·5	69·7	18·8			78·6	+1·3				75·6

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

* Mean of 25 days. ‡ Mean of 18 days. §§ Departures from old normal. NOTE.—The barometric readings are not reduced to sea-level in the cases

II—*concluded.*

Stations in India, Burma, etc., in March, 1906—concluded.

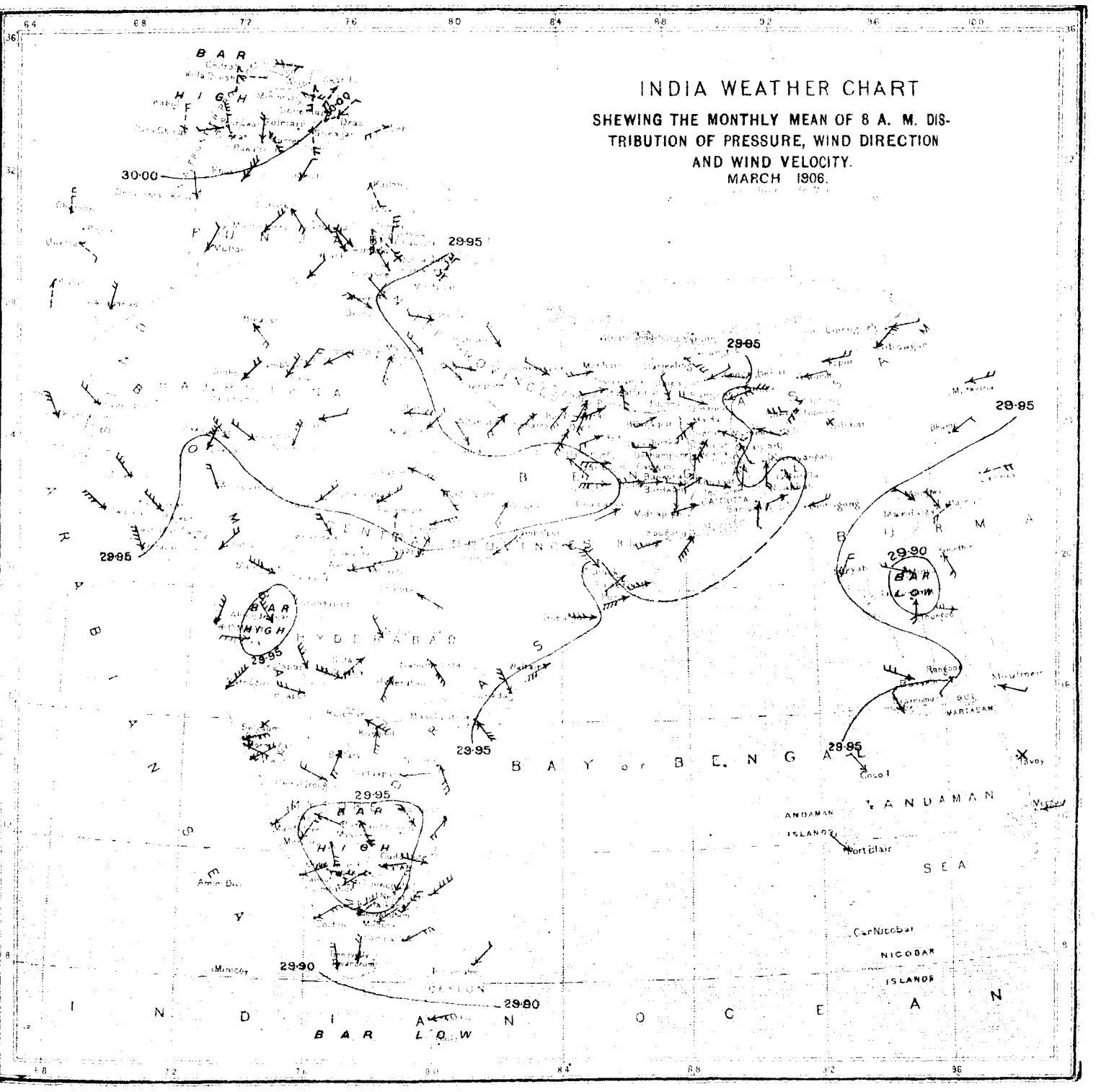
Vapour Tension.					Humidity.					Cloud.				Wind direction.										Wind steadiness.		Wind velocity.		Rainfall.		Station.	Meteorological Province.
														Total number of 10 h. and 16 h. winds from																	
From minimum.	Mean 10 h.	Mean 16 h.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 h.	Mean 16 h.	Mean of daily means.	Departure from normal.	Mean 10 h.	Mean 16 h.	Mean of two previous columns.	Departure from normal.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Mean wind direction.	Normal mean wind direction of month.	Average percentage.	Normal percentage.	Mean velocity in miles per diem.	Normal.	Total rainfall for the month.	Heaviest rainfall during the month.		
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
																									%	%						
·599	·629	·529	·589		83	56	37	59		1·7	3·5	2·6		10	1	11	15	11	4	3	6	1	S 78° E		35		55*		4·15	2·29	Periyakulam	South India.
·665*	·869	·950?	·840?	+·187	87*	70	55?	74?	+15	2·0	3·2	2·6	0	23	1	8	24	1	2	1	2		N 83° E	S 69° E	45	39	126*	127	0·15	0·15	Salem	
·377	·431	·412	·416	+·017	51	35	26	39	+ 1	1·0	1·4	1·2	−0·6	3	7	12	14	9	2	2	6	7	N 57° E	N 87° E	32	17	122*	154	0	0	Chitaldroog	
·461	·435	·308	·410	−·037	77	42	23	49	− 1	1·8	2·4	2·1		1	1	4	20	19	7	4	3	3	S 58° E	S 36° E	53	46	180*	118	0·60	0·60	Bangalore	
·441	·395	·320	·394	−·019	82	34	22	48	− 3	2·7	3·3	3·0	−0·5	8	1	7	18	15	4	2	3	4	S 75° E	S 81° E	43	48	51*	72	0	0	Hassan	
·499	·506	·373	·468	+·031	73	46	24	50	+ 3	3·6	4·7	4·2	+1·6		2	14	20	15	8	1	1	1	S 80° E	N 88° E	63	37	174*	192	0·24	0·22	Mysore	
	·693	·590				57	42			4·9	4·1	4·5		3	3	18	10	15	6	4	1	2	S 85° E		45		191*		0·80	0·59	Pudukkottai	
·742	·815	·813	·814	+·012	85	66	67	80	+ 2	3·3	2·1	2·7	+0·5		1	1	16	25	11	7	1		S 42° E	S 44° E	69	81	133	149	0·62	0·62	Madras	
·323	·387	·301	·343	−·085	42	29	17	30	− 7	1·6	2·3	2·0	−0·6	5	4	3	6	14	10	6	8	6	S 6° E	S 39° E	23	20	116*	110	0	0	Bellary	
·624	·680	·716	·697	−·049	76	60	63	70	+ 2	2·5	3·2	2·9	+0·8			1	6	12	21	22			S 1° W	S 19° W	71	60	191*		1·25	1·35	Waltair	
·205	·223	·218	·213	+·005	88	61	54	69	+13	4·5	5·5	5·0	+0·9	6	7	2	1	7	9	7	9	14	S 88° W	S 78° W	27	30	70*	96	4·36	0·89	Quetta	Hill Station.
·070	·116	·098	·098	−·004	64	58	37	55	− 3	5·5	7·8	6·7	+0·2		3	5	3	3	15	18	13	2	S 40° W	S 45° W	47	23	74	48	0·14	0·07	Leh	Hill Stations, Northern India.
·193	·245	·315	·238	−·017	87	84	82	84	+ 3	6·5	7·8	7·2	+1·5	11	2	1	2	10	2	7	10	17	N 88° W	N 24° W	27	16	69*	115	4·42	1·22	Srinagar	
	·165	·194				51	74			5·2	6·2	5·7		37	5	5	2		4	6	2	1	N 61° W		3		32*		2·50	0·62	Sarain	
																															Kalabagh	
·162	·180	·205	·180	+·006	67	55	60	62	+13	4·8	6·7	5·8	+0·8	16	10			3	30			3	S	S 32° W	32	4	102*	137	6·10	1·75	Simla	
·159	·188	·211	·184	−·005	64	54	56	59	+ 7	3·1	4·9	4·0	0	17	14	1		1	29				S 6° E	S 39° W	24	13	192*	170	4·95	1·64	(Ridge), Chakrata	
·206	·217	·213	·210	−·014	67	49	46	55	+ 3	4·2	5·6	4·9	+1·3	20	3	7		1	1	13	11	6	N 86° W	S 60° W	31	28	71*	84	0·54	0·22	Ranikhet	
·151	·187	·215	·182		60	52	55	57		5·0	6·6	5·8		6	3	3	5	5	5	8	26	1	S 69° W		37		189*		1·41	0·35	Muktesar	
·284	·314	·267	·286	−·015	96	54	37	63	+ 2	2·5	3·2	2·9	−0·4	1	3		20	3	2	6	27		S 60° W	N 82° W	18	47	26	32	0·45	0·36	Katmandu	
·218	·286	·319	·272	+·018	86	78	82	83	+ 8	6·4	7·7	7·1	+2·0	12		5	1	5	1	14	17	7	S 76° W	S 78° W	39	42	150*	180	1·98	1·22	Darjeeling	
·216	·206	·188	·199	−·012	44	30	25	33	+ 2	3·6	4·6	4·1	+1·8		5	5	2	5	1	28	7	9	S 69° W	N 81° W	42	38	171*	173	0	0	Mount Abu	Hill Stations,
·276	·273	·278	·271	+·020	53	33	28	38	+ 4	2·3	3·2	2·8	+0·5		8	1	3	8	6	19	10	7	S 59° W	N 57° W	35	32	138*	120	0·66	0·27	Pachmarhi	
·294	·260	·249	·263	−·009	50	29	21	33	+ 1	3·7	5·0	4·4	+2·1	8	6	4		2	8	15	3	16	N 89° W	N 51° W	34	27	208*	180	0·22	0·22	Chikalda	
·208	·247	·369	·275		56	41	67	57		2·7	5·4	4·1		1	12	20	11	5	10	1		1	N 65° E		48		286		2·79	0·99	Kodaikanal.†	Hill Stations,
·200	·210	·260	·224		61	35	43	47		2·9	4·5	3·7		2	5	9	17	14	12	1	1	1	S 71° E		53		103*		0·69	0·29	Ootacamund	
·169	·147	·204	·173		49	29	40	39		1·5	2·9	2·2			13	19	13	14	1		2		N 64° E		63		344		0·80	0·46	Dodabetta.	
·746	·758	·733	·777	+·054	80	74	67	77	+ 4	5·1	1·9	3·5	+0·3			22	16	21		2		1	E	N 87° E	71	72	‡‡ 113*	379	0	0	Aden	Extra India.
·633	·664	·669	·686	−·097	68	60	57	65	−12	1·3	1·1	1·2	§§ −0·8		4	2	·	31	19		2	4	S 30° E	N 89° E	61	60	525*	463	0·02	0·01	Perim	
	·835	·829				69	69			3·0	2·8	2·9			38	19	1					4	N 12° E		20		108*		0·96	0·96	Minicoy	
·840	·901	·901	·912	−·005	87	83	77	85	+ 4	7·5	7·7	7·6	+2·3	3	6	4	4	9	20	12	3	1	S 3° E	S 44° E	40	13	131*	130	10·63	1·81	Zanzibar§§	
·804	·888	·900	·891	+·030	82	77	77	83	0	5·8	6·8	6·3	§§ −0·4	14	4	2	2	3			5	32	N 41° W	N 17° W	55	39	108	118	12·25	1·80	Port Victoria (Seychelles)	
			·827	+·080				85	+ 5			8·1	+1·7										S 86° E	S 76° E			176	250	11·15	3·00	Mauritius (Pamplemousses).	

† Wind variable 1. * Corrected. ** Snow water and rain.

‡‡ Mean of 29½ days. †† Mean of three previous columns.

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

G. I. C P. O.—No. 66 Meteo.—24 8 06.—385.—M. A.

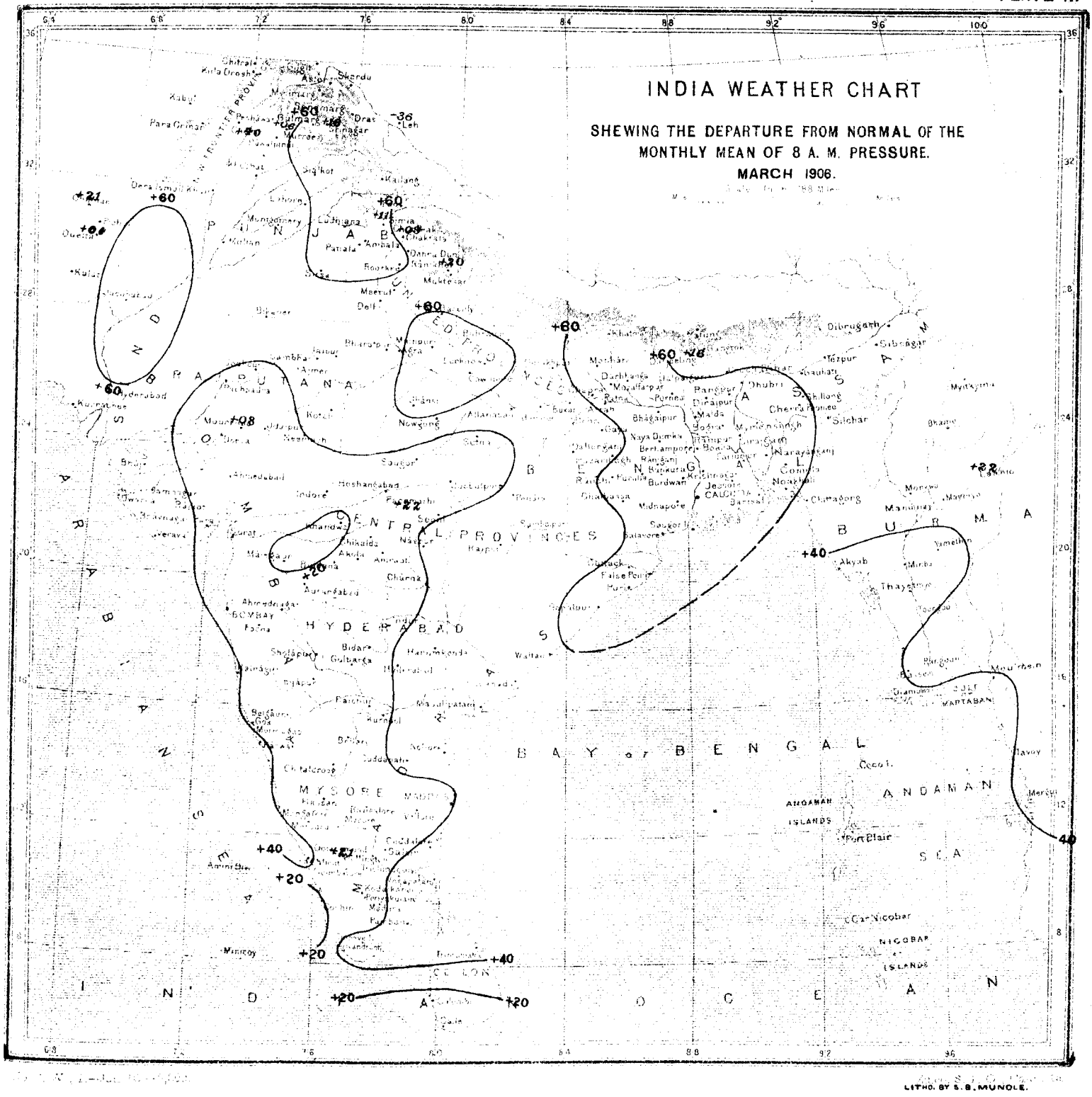


LITHO. BY S. G. MUNDLE.

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

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

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



LITHO. BY S. B. MUNDLE.

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

PLATE III.

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

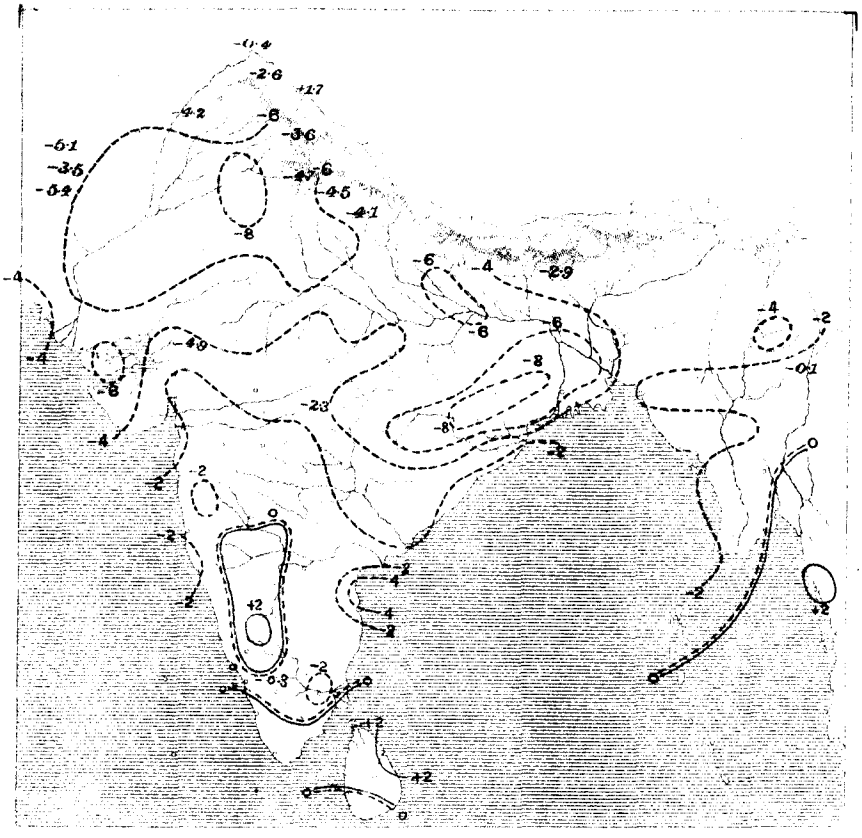
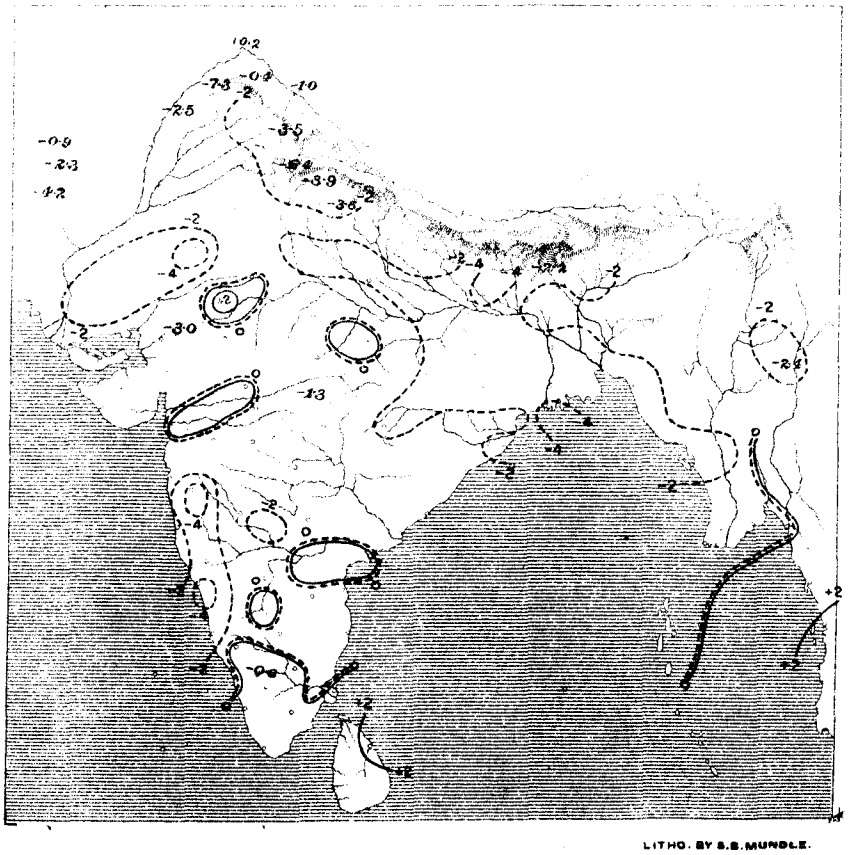


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MINIMUM TEMPERATURE.



LITHO. BY S.S. MUNDLE.

PLATE IV.

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

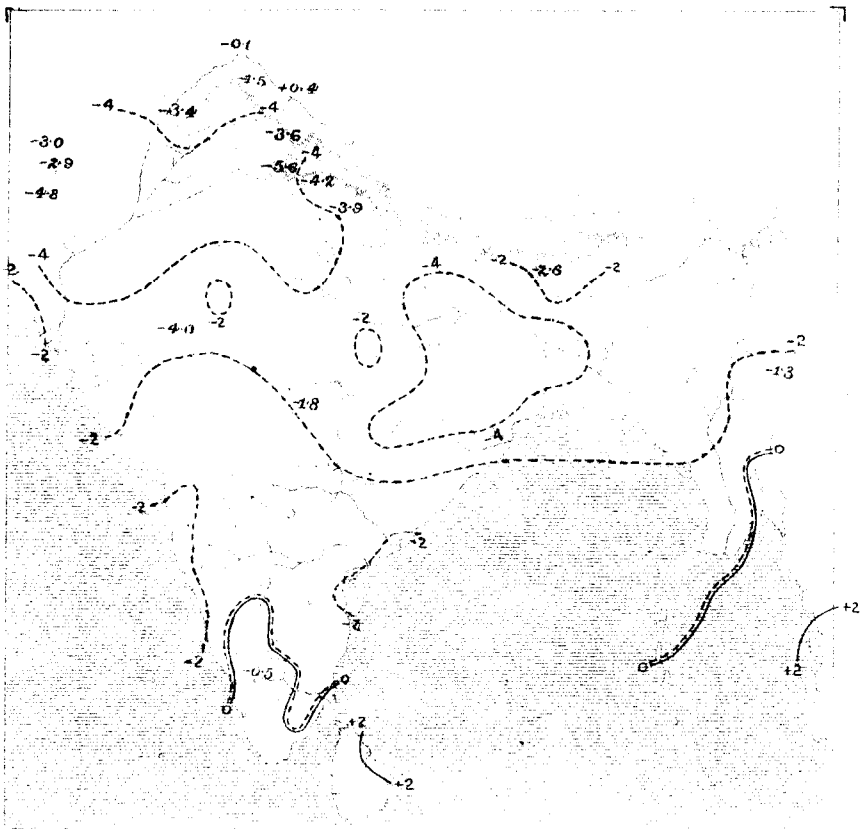


CHART SHEWING THE MONTHLY MEAN OF PRESSURE AND RESULTANT WIND DIRECTION.

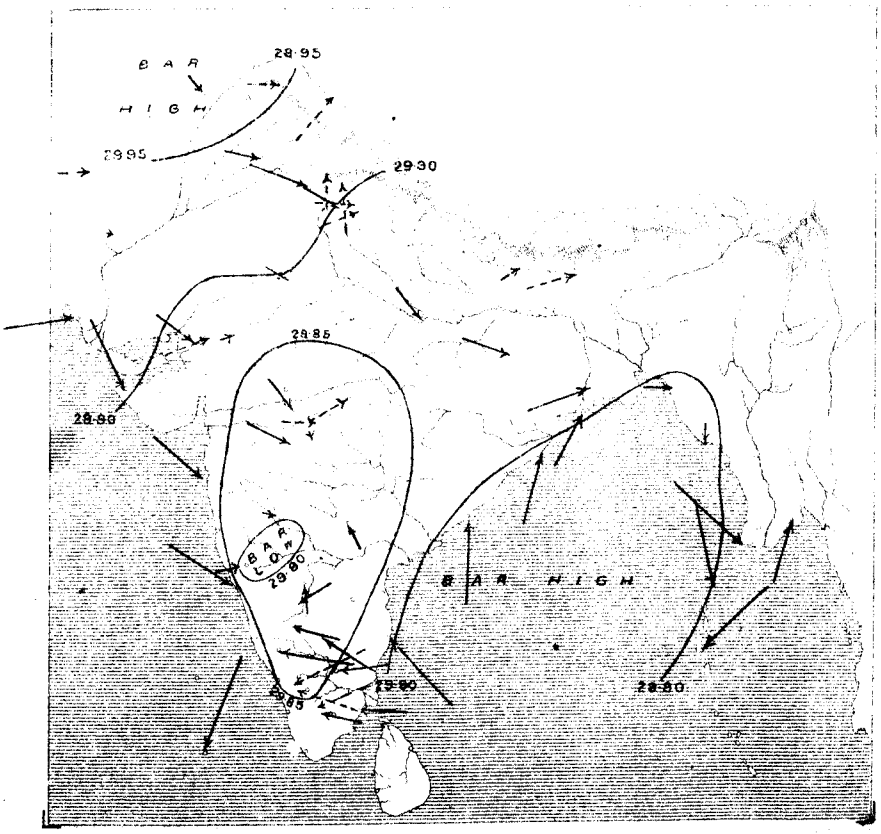


CHART SHEWING THE DEPARTURE FROM NORMAL
OF THE MONTHLY MEAN OF ABSOLUTE
HUMIDITY AT 8 A. M.

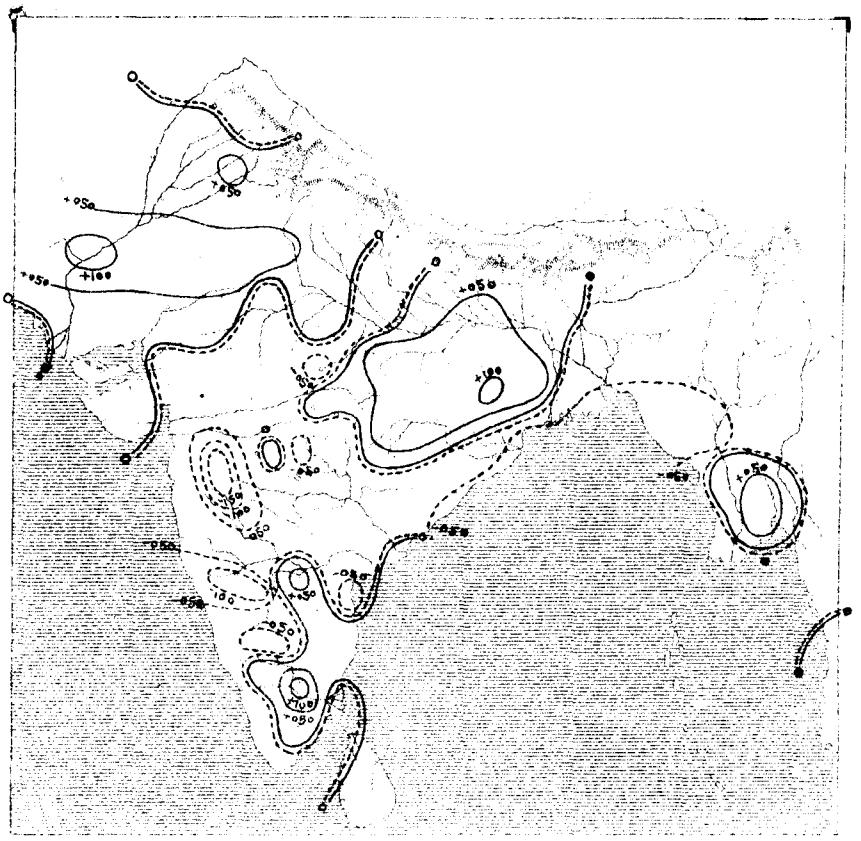


CHART SHEWING THE DEPARTURE FROM NORMAL
OF THE MONTHLY MEAN OF RELATIVE
HUMIDITY AT 8 A. M.

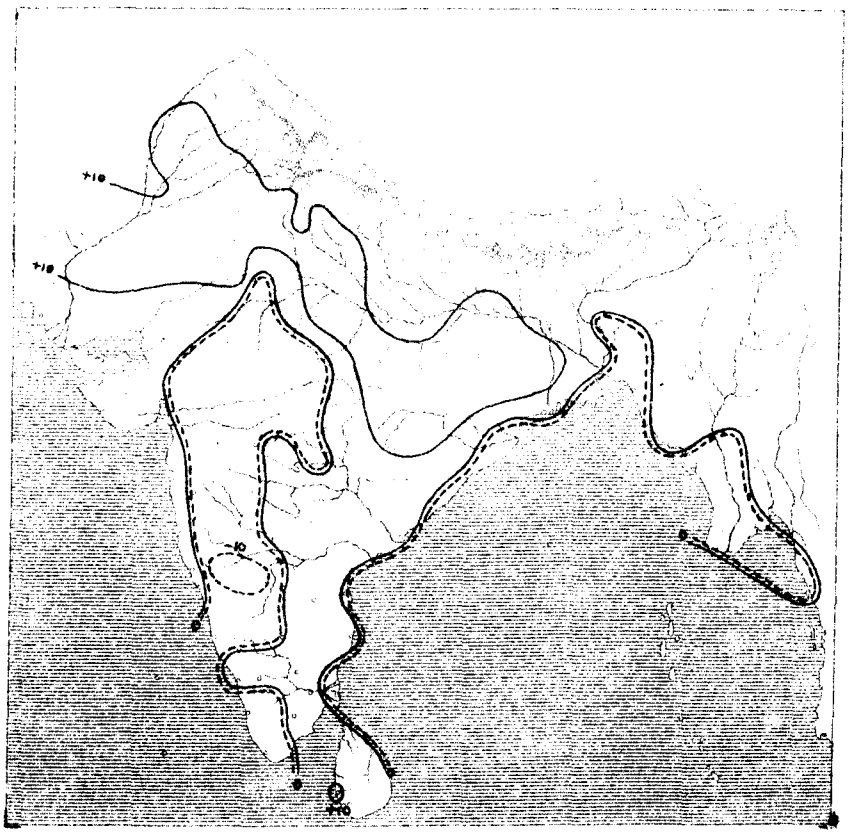


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF CLOUD AMOUNT AT 8 A. M.

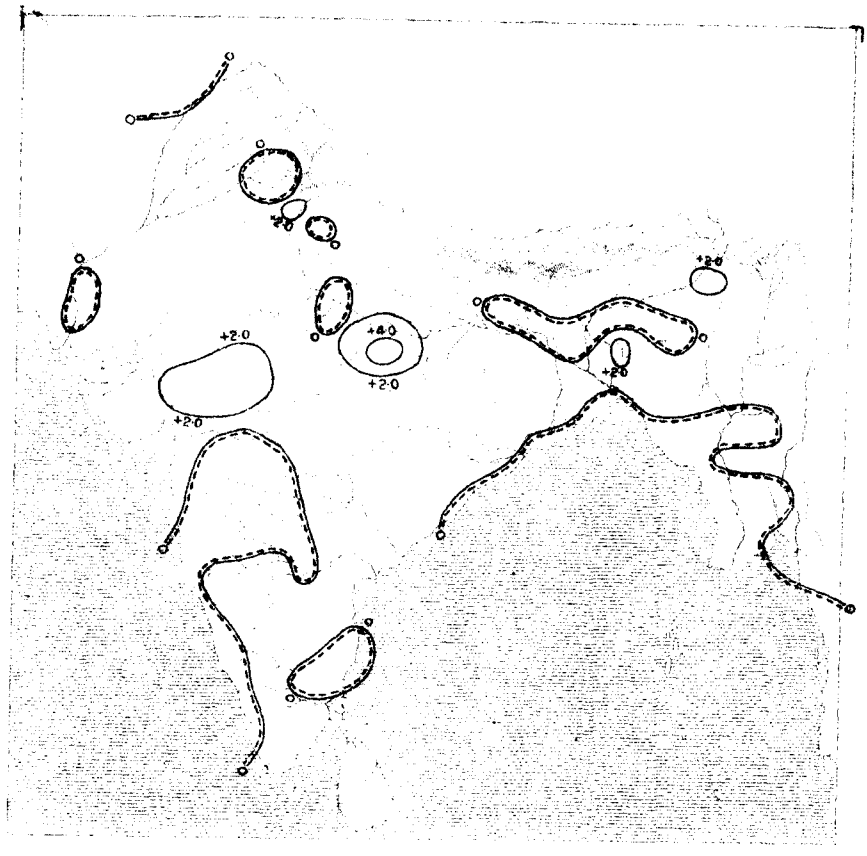


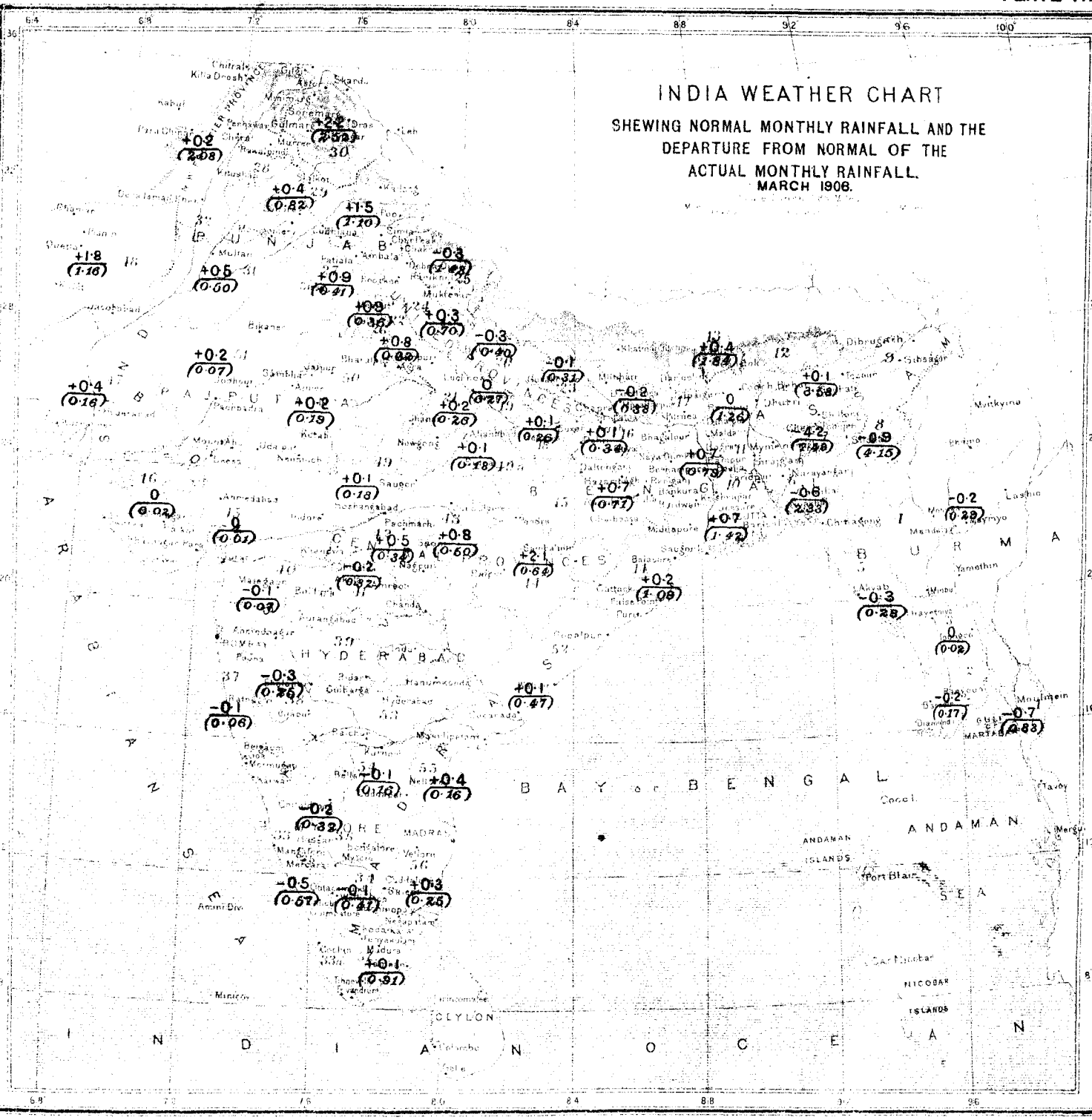
CHART SHEWING THE TOTAL NUMBER OF DAYS IN THE MONTH ON WHICH RAINFALL EQUALLED OR EXCEEDED 0·10 INCH.

LITHO. BY S.S. MUNOLI.

No. 9, W., I.—Jan. 09.—5,600.

Zincog Sty Is & Mounted.

The chart shows the distribution of the rainfall of the month by means of isohyetic lines or lines of equal amounts of rain. The data used in the preparation of this chart are the rainfall returns of all the observatories in India except those at the hill stations over 3,500 feet in elevation (177 in number). The double line or line of no rainfall separates areas in which the rainfall exceeded a tenth of an inch from those where it was actually or practically *nil* (*i.e.* less than a tenth of an inch). The dotted line faces the area of no rainfall.



LITHO. BY S. & B. MUNDLE.

The country is divided into 57 areas, over each of which the meteorological conditions are fairly uniform, and the staple crops similar in character. The numbers in bracket on the chart give the average over the division of the normal monthly rainfall: the numbers above these give the departure from these normals of the average actual rainfall over the division. The name of the district can be ascertained by referring in the following list to the number given in each district in red figures

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

GOVERNMENT OF INDIA.

METEOROLOGICAL DEPARTMENT.

MONTHLY WEATHER REVIEW.

PUBLISHED BY ORDER OF

THE GOVERNMENT OF INDIA.

CALCUTTA, APRIL, 1906.

INTRODUCTION.

THIS review of the weather in India during the month of April, 1906, is based on observations taken daily at 8 h. at 231 stations, and on additional observations taken at 10 h. and 16 h. at 62 stations. In the rainfall summary the data furnished by the meteorological observatories, and such rainfall statements of the month as had been published by the provincial Governments up to the date of the preparation of the review, have been utilized. The brief notes on solar, seismic and magnetic disturbances are supplied by the chief observatories.

Summary of the chief features of the weather in India during the month of April, 1906.

2. Weather conditions during April 1906 presented a strong contrast to those of the previous month: the departure of mean pressure from the normal fell from +·048″ in March to —·007″ in April; rainfall was practically wanting except in Kashmir, Assam and south India; and cloud was in conspicuous defect. Maximum day temperature rose above the normal over the whole of the Peninsula and in Bengal, and minimum night temperature showed closely corresponding changes.

Two depressions of the cold weather type crossed northern India in the first half of the month and strong evidences appeared of the passage of two others to the north of Kashmir. The rainfall due to them was confined to the extreme north-west corner of India, and to Bengal, Assam and northern Burma, the principal falls in the north-west occurring between the 4th and 9th and the 15th and 17th, and in Assam from the 2nd to the 3rd and from the 5th to the 7th.

3. A wave of very cold weather was affecting the west at the opening of the month and was felt in a modified degree in the United Provinces and Bengal, but it had given place to a warm wave by the end of the first week. This latter wave of high temperature was due to and preceded the third travelling depression of the month, and was followed by a marked low temperature wave giving total changes of 16 and 18 degrees in the west between the 7th and 11th and of 6 and 8 degrees between the 12th and 14th in Bengal.

During the latter half of the month weather in the north-east was influenced by a trough of low pressure lying near the hills, which by directing the winds from Orissa along a more eastward course than usual raised the temperature in Bengal and maintained it at values from 4 to 10 degrees above normal.

Rain fell almost daily in Assam during the second and third weeks, heavy falls occurring on the 18th and 19th during a strong development of the low pressure area at the foot of the hills.

4. In the Peninsula dry weather prevailed except in south India, where thunderstorms gave light scattered showers on many days and more general rain on the 27th, 28th and 30th.

Temperature was a few degrees above normal over most of Bombay and Madras.

Solar, seismic and magnetic disturbances.

KODAIKANAL.

5. *Solar Observations, April 1906.*—The month was a moderately favourable one for observations and spots could be observed on every day: on three days the sky was not clear enough for observing prominences and on five other days the observations were made in poor weather; cirrus cloud was abundant.

Sunspots.—During the month 30 new spot groups were recorded, but of these no less than 15 consisted of only one or more small, scattered spots lasting for not more than a day. Every one of the 9 groups that appeared between the 16th and 23rd was of this kind. Hence though the mean daily number of groups was 4·8 the total spotted area was not very large. There was only one group visible on the 21st. The distribution of the spots between the two hemispheres, which was equal last month, has again gone back to its former condition of a great excess of spots in the northern hemisphere, no less than 21 out of the 30 groups being in the north, while only one group of considerable size appeared in the south. The mean latitude in the northern hemisphere was 14° and the extremes were 5°, and 14°: in the southern the corresponding figures were 19°, 9°, and 31°. Groups numbers 811 and 820 were returns of numbers 781 and 788, while number 817 was a temporary recrudescence of activity in the region occupied by number 772 during last rotation. The chief spots of the month were numbers 806, 813, 816, 820, and 832. The first of these was seen on the last day of March: it was a large spot but underwent very little change from day to day and was (spectroscopically) quiet throughout. Number 813 was a group of moderately large spots and the helium and hydrogen lines were disturbed in it during the first part of its course. On the 8th the disturbances were large and changed very rapidly. D_3 was dark over the whole area and many lines were reversed and displaced. These disturbances were the greatest that have been observed here in any spot for a long time. On the 17th, 28th, and 29th C was reversed over faculæ not associated with any spot.

Prominences.—Prominences were nearly as numerous as in March and large ones were more plentiful. There were 11 of 100″ and upwards, but the tallest was only 150″ high. Between the 11th and 23rd a number of prominences were seen near the west end of the equator indicating a long active region near the equator. Only one metallic prominence was observed during the month, but this was probably partly due to bad observing conditions. Several disturbed and rapidly changing prominences were recorded. One of the most conspicuous of these was a small but very bright jet seen on the 10th. At first it was only 15″ high, but in about one minute it rose to 25″ and soon after to 35″ and in 10 minutes it had fallen back again to 15″. C was displaced towards the red and D_3 towards the violet.

Magnetic disturbances.—There was a "moderate" magnetic disturbance from 18 h. 30 min. on the 28th to 14 h. 30 min. on the 29th and at that time there were several disturbed spot groups near the central meridian.

C. MICHIE SMITH,

Director,

Kodaikanal and Madras Observatories.

COLABA AND ALIBAG.

Note on the Alibag Magnetic record.

6. As the Colaba magnetic record has been discontinued from the 1st April 1906, the record at Alibag, which has been running as a duplicate series with that of Colaba for the past 2 years, takes its place now, keeping up the continuity of the former record. Tables A and B giving the mean monthly values of the several magnetic elements and of the ranges and the summed ranges of the Horizontal Force and Declination at both Alibag and Colaba are hereto appended for reference and comparison.

During the month the traces showed 10 calm days and 20 days of small disturbances.

Movements suspected to be due to seismic causes occurred on the 2nd at about 21½ h.; on the 23rd, at about 21h.; and on the 28th., at about 18½ h., the strain apparently lasting for about 9 hours in the first case, for about 5 hours in the second and for about 20 hours in the third case.

The selected quiet days of the month are the 5th, the 7th, the 17th, the 18th and the 26th.

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

Declination	1° 4′ 10″ East.
Horizontal Force	·36894 C. G. S. Unit.
Dip	23° 5′·9.
Horizontal Force range	·00058 C. G. S. Unit.
Horizontal Force summed range	·00394 " "
Declination range	4′·09.
Declination summed range	15′·79.

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

Six seismic disturbances were recorded at Colaba during the month, two on the 11th, and one on each of the following days:—13th, 18th, 19th and 29th, that recorded on the 18th being the largest with an amplitude of 6·3 mm. (Table C appended).

TABLE A.

The mean monthly values of the magnetic elements at Alibag derived from weekly observations of Intensity and Declination and from observations of Dip made twice in the week, with different instruments are given below :—

MONTHS.	ABSOLUTE HORIZONTAL FORCE IN C. G. S. UNIT.				ABSOLUTE DECLINATION IN ARC.				MEAN DIP.	
	By Instrument No. 7.	Excess over Colába of same epoch.	By Instrument No. 3.	Excess over Colába of same epoch.	By Instrument No. 7.	Excess over Colába of same epoch.	By Instrument No. 3.	Excess over Colaba of same epoch.	By Instrument No. 160.	Excess over Colába of same epoch.
1	2	3	4	5	6	7	8	9	10	11
					° ′ ″	° ′ ″	° ′ ″	° ′ ″	° ′	° ′
January 1905	·36873	−·00510	·36867	−·00516	1 8 24	+0 54 7	1 6 41	+0 52 24	22 58·9	+1 5·2
February ,,	·36872	·00507	·36871	·00508	1 8 22	0 54 13	1 7 8	0 52 59	22 58·6	1 3·3
March ,,	·36875	·00510	·36874	·00511	1 7 57	0 53 51	1 7 16	0 53 10	22 59·1	1 3·9
April ,,	·36879	·00495	·36872	·00502	1 7 34	0 53 10	1 6 25	0 52 1	23 0·4	1 6·2
May ,,	·36885	·00500	·36883	·00502	1 7 18	0 53 20	1 6 5	0 52 7	23 0·2	1 4·9
June ,,	·36879	·00509	·36877	·00511	1 6 59	0 52 32	1 6 5	0 51 38	23 0·9	1 4·5
July ,,	·36880	·00508	·36875	·00513	1 6 23	0 52 43	1 5 43	0 52 3	23 1·5	1 2·0
August ,,	·36869	·00513	·36867	·00515	1 6 29	0 52 30	1 5 32	0 51 33	23 2·8	1 3·2
September ,,	·36864	·00516	·36863	·00517	1 6 13	0 52 17	1 5 17	0 51 21	23 3·6	1 2·5
October ,,	·36874	·00504	·36869	·00509	1 6 7	0 52 21	1 5 7	0 51 21	23 3·5	1 3·6
November ,,	·36852	·00521	·36853	·00520	1 6 40	0 53 8	1 5 44	0 52 12	23 5·0	1 4·9
December ,,	·36868	·00526	·36867	·00527	1 6 15	0 52 46	1 5 13	0 51 44	23 4·7	1 3·8
Annual Mean	·36872	−·00510	·36870	−·00512	1 7 3	+0 53 5	1 6 1	+0 52 3	23 1·6	+1 4·0
Do. 1904	·36882	−·00509	·36879	−·00512	1 9 31	+0 54 2	1 9 14	+0 53 44	22 54·7	+1 5·4
January 1906	·36876	−·00520	·36875	−·00521	1 6 7	+0 52 59	1 5 12	+0 52 4	23 4·4	+1 3·1
February ,,	·36863	−·00526	·36859	−·00530	1 6 14	+0 52 56	1 5 6	+0 51 48	23 6·1	+1 2·8
March ,,	·36873	−·00522	·36872	−·00523	1 5 50	+0 52 40	1 4 43	+0 51 33	23 5·8	+1 3·3

TABLE B.

Table showing the comparison of the ranges and summed ranges of the Horizontal Force and Declination at Colaba and at Alibag :—

MONTHS.	HORIZONTAL FORCE.						DECLINATION.					
	RANGE (IN C. G. S. UNIT.)			SUMMED RANGE (IN C. G. S. UNIT).			RANGE (IN ARC).			SUMMED RANGE (IN ARC).		
	At Colaba.	At Alibag.	Excess over Colaba.	At Colaba.	At Alibag.	Excess over Colaba.	At Colaba.	At Alibag.	Excess over Colaba.	At Colaba.	At Alibag.	Excess over Colaba.
							′	′	′	′	′	′
January 1905	·00032	·00034	+·00002	·00206	·00217	+·00011	2·02	1·74	−0·28	7·40	7·25	−0·15
February ,,	·00045	·00047	+·00002	·00282	·00292	+·00010	2·42	2·50	+0·08	10·05	10·16	+0·11
March ,,	·00060	·00060	·00000	·00391	·00397	+·00006	2·56	2·74	+0·18	9·32	9·38	+0·06
April ,,	·00053	·00054	+·00001	·00349	·00362	+·00013	3·85	4·16	+0·31	14·84	16·12	+1·28
May ,,	·00046	·00047	+·00001	·00318	·00329	+·00011	4·41	4·75	+0·34	18·11	19·75	+1·64
June ,,	·00051	·00053	+·00002	·00370	·00381	+·00011	4·78	5·14	+0·36	19·82	21·46	+1·64
July ,,	·00048	·00049	+·00001	·00337	·00347	+·00010	4·60	4·98	+0·38	20·20	22·96	+2·96
August ,,	·00048	·00048	·00000	·00311	·00315	+·00004	5·56	5·96	+0·40	21·64	23·47	+1·83
September ,,	·00042	·00043	+·00001	·00258	·00267	+·00009	5·85	6·37	+0·52	21·42	23·61	+2·19
October ,,	·00052	·00053	+·00001	·00318	·00328	+·00010	3·69	4·03	+0·34	12·81	14·39	+1·58
November ,,	·00059	·00061	+·00002	·00369	·00386	+·00017	1·92	1·33	+0·31	5·93	6·85	+0·92
December ,,	·00038	·00039	+·00001	·00241	·00250	+·00009	1·23	1·02	−0·21	4·02	4·00	−0·02
January 1906	·00030	·00032	+·00002	·00188	·00195	+·00007	2·11	2·27	+0·16	7·82	7·74	−0·08
February ,,	·00047	·00048	+·00001	·00295	·00303	+·00008	2·10	1·82	−0·28	8·51	8·46	−0·05
March ,,	·00055	·00056	+·00001	·00363	·00371	+·00008	2·83	3·00	+0·17	9·88	10·12	+0·24

TABLE C.

List of principal seismic disturbances recorded at the Government Observatory, Colaba, during the month of April 1906.

Date 1906.	P. T. Commence.	Max.	End.	Max. Amplitude.	Duration.	REMARKS.
	H. M.	H. M	H. M.	MM.	H. M.	
April 10	22-39·1	22-51·5	23-40·0	1·0	1·0·9	
„ 11	11-23·4	11-38·7	12-50·9	1·0	1-27·5	
„ 13	19-32·8	19-46·0	20-21·7	1·1	0-48·9	
„ 18	13-40·8	14-34·1	•	6·3	—	• Lost in shifting time.
„ 19	7-52·8	8-1·8	8-24·7	0·3	0-31·9	
„ 29	16-21·5	16-49	17-29·3	1·9	1-7·8	

NOTE:—All times given above denote G. M. T.

Magnetic disturbances.

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

The magnitudes of the disturbances are determined from horizontal force traces. C.=Calm; S.=Small; M.=Moderate; G.=Great. VG.=Very great. Days are reckoned from midnight to midnight.

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Director,
Government Observatory, Bombay.

ALIPORE.

7. *List of displacements recorded by the Seismograph at the Alipore Observatory during April 1906.*

Date 1906.	P. T. Commencement. G. M. T.	L. W. Commencement. G. M. T.	Maxima. G. M. T.	End. G. M. T.	Maximum amplitude in MM.	Duration.	REMARKS.
	H. M.	H. M.	H. M.	H. M.		H. M.	
8-4-06	17-52·0	18-4·2	18-7·2	18-27·5	1·50	0-35·5	
13-4-06	18-25·5	18-30·6	18-37·7	19-32·6	3·50	1-7·1	
„	23-1·1	23-10·3	23-11·3	? (*a*)	2·00	?	Doubtful.
18-4-06	13-19·9	13-40·8	14-18·9	17-24·5	(*b*) 17·00	4-4·6	•
19-4-06	6-4·2	—	—	8-22·5		2-18·3	Thickening of line.
29-4-06	16-47·9	16-57·0	16-58·1	17-32·6	1·00	0-44·7	

(*a*) The time of the termination of the displacement can not be determined as the usual morning air tremors commenced before it ended.
(*b*) Measured from the base line.

The local times of the commencement.

Date 1906.	H. M.
April 8	23-45·3
„ 14	0-18·8
„ 14	4-54·4
„ 18	19-13·2
„ 19	11-57·5
„ 29	22-41·2

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SIMLA.

8. *List of earthquakes recorded by the Omori-Ewing Seismograph at the Simla Observatory during the month of April 1906.*

Date.	Commencement of P. T. G. M. T.	End of P. T. G. M. T.	Beginning of L. W. G. M. T.	Maxima. G. M. T.	End approximately. G. M. T.	Duration approximately.	Maximum amplitude in mm.	REMARKS.
	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	MM.	
8th	...	...	11 12·9	...	11 13·2	0 0·3	...	Tremor.
9th	...	...	...	8 40·8	...	0 0·2	0·1	Local.
10th	...	...	...	11 5·3	...	0 0·1	0·3	„
18th	13 31·0	13 52·8	14 12·1	...	14 40	1 9·0	...	San Francisco.
30th	...	...	...	9 11·0	...	0 0·2	0·3	Local.

A slight earthquake was felt at Mount Abu on the 9th at 20h. 51m. and lasted for 15 seconds.

J. PATTERSON,
Deputy Meteorologist.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

Solar observations.

9. Observations were taken on every day except the 29th, groups of sunspots being seen throughout. They were especially numerous during the first half of the month, and from the 1st to the 12th isolated spots also were visible. Faculæ were visible on each day of observation.

Magnetic disturbances.

Day.	Time.	Disturbance.
2	20½	Increase of H. F. (10) followed by small fluctuation till 22½h.
3	2—3½	Double wave in H. F. (—8 to +9).
3	6½—7½	Increase of H. F. (30).

Day.	Time.	Disturbance.
3	16 to	Small fluctuations in H. F.
4	4	
4	23½ to	Wave in H. F. (+17).
5	1	
8	18½ to	Small fluctuations in H. F.
9	3	
10	0 to 1½	Wave in H. F. (+16).
10	23½ to	Increase of H. F. (+17) followed by a decrease (27) till 1½h.
11	0	
11	23½ to	Wave in H. F. (+10).
12	0½	
13	11—20	Small fluctuations in H. F.
14	10 to	Small fluctuations in H. F. followed by a wave (+10) from 15d. 0½h. to 2h.
15	0	
18	1—1½	Increase of H. F. (11).
19	0—12	Occasional small undulations in H. F.
22 to 23	23½ 0½	Wave in H. F. (+12).
23	2—4½	Double wave in H. F. (−5 to +7).
23	19—21	Do. do. (−13 to +8).
23 to 24	23½ 0½	Wave in H. F. (+16).
24	14—18	Do. (−25).
24 to 25	23½ 0½	Do. (+13).
28	17h. 28m.	Sudden increase of H. F. (13).
28 to 29	22 0½	Double wave in H. F. (−30 to +28) followed by occasional fluctuations until 15h. with wave 29d. 2½h. to 4½h. (+21).

The measurements are given in C. G. S. measure (Unit ·00001) for horizontal force (H. F.) and vertical force (V. F.), and in minutes of arc for declination.

T. F. CLAXTON,
Director.

Weather in the Indian monsoon region.

10. To the west of India in Persia and Asiatic Turkey weather was drier than is usual in April, and in that respect accorded with the conditions in India. At Ispahan, however, rainfall was in excess, and this suggets thet the paths of some April depressions of the winter type lay to the north of the Indian area.

In the southern Indian ocean pressure was low at Mauritius and high nearer India at Seychelles and Zanzibar, and rainfall was in great excess at the two latter stations.

Winds were a little lighter than usual, and at Seychelles the direction differed largely from the normal.

Figures for this area are given in the following table:—

April 1906.	Mauritius.	Zanzibar.	Seychelles.
Departure from normal of mean pressure.	—·053	+·022	+·018
Actual mean wind direction	S 57° E	S 8° W	N 29° W
Normal mean wind direction	S 70 E	S 5 E	S 63 E
Actual mean wind velocity (miles per diem.)	206	155	153
Normal mean wind velocity (miles per diem.)	252	170	?
Rainfall departure	—4·23	+1·181	+10·19

Depressions and cyclonic storms.

11. The season during which weather in India is largely influenced by depressions travelling eastward from the regions of Persia and Asiatic Turkey is usually near its close in the early days of April, and during the month under review, examples of such low pressure conditions, four in number, were confined to the first half of the month.

a. The first of these depressions has already been mentioned in the review for March; it was visible at Ispahan on March 28th, and thence passed eastwards over Baluchistan and northern India, reaching Bengal and Assam on April 2nd and becoming filled up during that day. In depth it was approximately one-tenth of an inch, but although it gave heavily clouded skies, no rain fell until it had reached Bengal. On the 2nd there was nearly general rain in Assam and on the 3rd local and scattered rain fell in Assam and upper Burma. Slight hot and cold waves accompanied the depression across India.

b. The second depression of the month left Teheran and Ispahan on the 1st with a depth of probably a third of an inch and had given rain at Baghdad and Ispahan. It is not

possible, owing to paucity of observing stations, to say how deep its centre was or how widespread its influence at that time, but on nearing the borders of India it appeared to have a very wide range, and had either become considerably shallower or its centre passed so far to the north that only a modified influence was exerted on the country to the south of the Himalayan range. The depression crossed from Baluchistan into India on the 2nd with a depth of under one-twentieth of an inch, but it became slightly stronger as it progressed across India.

Rainfall resulted in the north-east from the 5th to the 7th, but did not extend into Burma. Any temperature effects which this depression may have produced were either very small or so marked by the large hot wave which was already heralding the next depression that it is difficult to judge whether they existed at all.

c. The lower limb of the third depression crossed the border of the North-West Frontier Province between the 7th and 8th, its centre being in all probability well to the north of Kashmir.

In the west it had touched Ispahan on the 4th, but the weather appears to have been unaffected further south at Bushire, and in India also little if any effect was produced except in the extreme north. There, however, a defect of pressure prevailed on the 8th which was one-fifth of an inch greater than in Gujarat. It had disappeared from north-west India by the 11th, but produced a rapid fall of the barometer in Assam on the 12th. Light rain and snow fell each day from the 4th to the 9th in the extreme north-west.

A strong warm wave preceded and a cold wave followed the depression, parts of Sind and the west Punjab experiencing a fall between the 7th and 11th of from 16 to 18 degrees.

d. The fourth eastward moving depression entered the N.-W.-F. Province early on the 14th, and during the next two days passed across the north Punjab into the hills; it gave slight rainfall effects in Kashmir and temperature waves of ±4 degrees in the Frontier Province and north Punjab. Immediately following the absorption of the depression by the Punjab Himalayas an extended trough of low pressure appeared along the base of the Himalayas from the Punjab to Bihar, and later to Assam. This was the first appearance of the formation of the trough of low pressure which is a conspicuous feature of the normal pressure map of northern India from April to September, and which largely influences the distribution of rainfall in those regions during the monsoon period.

Pressure.

12. Average pressure at 8 h. over India and Burma for the month of April was in defect of the normal by —·007″. The departure from normal of actual pressure, Plate II, varied from an excess of ·020″ over Sind, and parts of Gujarat, Rajputana and the west of Central India to defects of ·040″ and ·060″ in north-east India, while over the greater part of the Peninsula and in the south of Burma the barometer shewed nearly normal pressure.

The gradient across India from west to east was therefore very considerably greater than is usual in April, and the trough of low pressure which appears in that month and lasts till September was unduly deep and was displaced to the north of its normal position.

13. In the hills of Baluchistan the excess was much lower than in the plain stations beneath, and this tendency extended to Mount Abu in Rajputana and to the Himalayas of the north Punjab, where defects were greater than at the low level observatories.

In the Simla hills and at Pachmarhi in the Central Provinces these differences had disappeared; while further eastward these relations were reversed, and the great deficiencies in the plains of Bihar extended upward in only a modified degree to the level of Darjeeling. In Burma the evidence of the high hill station Lashio indicates a resumption of the conditions of the west, namely, stronger defects at high than at low levels. The figures of excess and defect in the following table shew that in the west the vertical pressure gradients were greater, and in the east, except in Burma, less than the normal:—

HILL STATION.	Departure from normal pressure.	PLAIN STATION.	Departure from normal pressure.	Departure of pressure difference.
	″		″	″
Quetta	+·002	Jacobabad	+·026	+·024
Leh	—·058	Lahore	+·001	+·059
Simla	—·018	Ludhiana	—·014	+·004
Murree	—·027	Peshawar	—·017	+·010
Chakrata	—·031	Roorkee	—·020	+·011
Ranikhet	—·027	Bareilly	—·026	+·001
Darjeeling	—·033	Dhubri	—·070	—·037
Mount Abu	—·001	Deesa	+·017	+·018
Pachmarhi	+·002	Khandwa	+·011	+·009
Lashio	—·062	Bhamo	—·018	+·044
Wellington	+·015	Coimbatore	+·004	—·011

14. In extra Indian stations to the west pressure was almost generally in excess, and also at Zanzibar and Seychelles:—

Station.	Departure from normal of mean 8 h. pressure.
	″
Trincomalee	+·037
Colombo	−·003
Bushire	+·039
Jask	+·038
Muscat	+·037
Baghdad	−·039
Aden	+·037
Perim	+·041
Zanzibar	+·017
Seychelles	+·018
Mauritius	−·053

The mean monthly departures from normal for the eleven meteorological provinces of India and Burma are shewn below:—

Meteorological Province.	Departure from normal of mean 8 h. pressure.	Departure from normal of mean temperature.
	″	°
Burma Coast and Bay Islands	+·007	+1·0
Burma, Inland	−·029	+0·9
Assam	−·059	−0·5
Bengal and Orissa	−·042	+1·4
Gangetic Plain and Chota Nagpur	−·035	−0·1
Upper Sub-Himalayas	−·012	−2·2
Indus Valley and North-West Rajputana	+·015	−2·8
East Rajputana, Central India and Gujarat	+·019	−1·1
Deccan	−·005	+1·0
West Coast	+·018	−0·5
South India	+·001	+2·3

Temperature.

15. Mean temperature continued low in the north-west of India during the month, but in the north-east, except Assam, and in the Peninsula, a rise with regard to the normal of from 5 to 7 degrees since the previous month is shewn to have occurred by the charts of mean temperature for March and April, Plate IV. This change was chiefly due to the recovery of day maximum temperature which had been very low since February; and it accompanied, as is usually the case, a large decrease in the mean amount of cloud over India. In the Assam Valley where cloud excess had persisted or had even extended since March, maximum and mean temperature were almost continuously low.

16. At the hill stations of Kalat, Quetta and Chaman the weather during both day and night was very cold, and at Wellington in the south of the Peninsula night temperatures were low; at Pachmarhi however the conditions were reversed, high maximum and minimum temperatures being recorded, while elsewhere there was no very noticeable difference between the hills and plains in regard to deviations from normal conditions.

17. The following places registered higher maxima than their previous April records shew:—

Mandalay	113°·6,	previous highest in April	111°·6	in 1903.
Dhubri	102°·8,	„ „ „	102·3	in 1894.
Cuddapah	112°·8,	„ „ „	112·3	in 1903.

and the lowest minima at Vellore, Bider and Periyakulam closely approached the lowest recorded April temperatures at those stations.

18. Waves of hot and cold weather passed across northern India with the rain storms and depressions of the month. With the first of these the changes of temperature amounted to only a few degrees, and in the case of the second, a few days later, they were so small or were obscured to such an extent by the effects of the third that they could not be detected with certainty. A very strong hot wave preceded the third depression, and an equally large cold wave succeeded it, the resulting falls of temperature amounting to between 16 and 18 degrees in parts of Sind and the west of the Punjab between the 7th and 11th, and to 6 or 8 degrees between the 12th and the 14th in Bengal. A slight wave of ±4 degrees in the North-West Frontier Province and the north Punjab accompanied the fourth depression of the month between the 14th and 17th.

19. Detailed temperature data for India and Burma are given in the first of the following tables and mean departures fo the eleven meteorological provinces in the second.

Province.	Division.	Actual temperature.					Departure from normal of month c		
		Mean maximum.	Mean minimum.	Monthly mean of mean between maximum and minimum.	Mean daily range of temperature.	Absolute range during month.	Maximum.	Minimum.	Daily range.
		°	°	°	°	°	°	°	°
Burma	Tenasserim	93·4	77·5	85·5	15·9	23·1	+1·1	+1·2	— 0·1
	Lower Burma (Deltaic)	94·3	77·4	85·8	16·9	23·4	−0·2	+0·7	— 0·9
	Central do.	103·7	77·8	90·8	26·0	32·4	+2·0	+1·9	+ 0·1
	Upper do.	99·6	74·3	87·0	25·3	40·8	+0·6	+1·1	— 0·5
	Arakan	91·8	77·8	84·8	14·0	23·7	0	+1·8	— 1·8
Bengal and Assam.	Eastern Bengal	93·4	76·2	84·8	17·2	30·6	+1·1	+2·3	— 1·2
	Assam (Surma)	86·5	70·2	78·3	16·3	29·6	−2·0	+1·0	— 3·0
	Do. (Hills)	73·3	59·6	66·5	13·8	28·7	...	...	...
	Do. (Brahmaputra)	83·7	67·4	75·5	16·3	34·6	−0·7	−0·3	— 0·4
	Deltaic Bengal	98·0	77·5	87·8	20·5	33·2	+1·3	+1·5	— 0·2
	Central do.	101·5	74·3	87·9	27·2	42·7	+2·1	+0·7	+ 1·4
	North do.	94·4	70·4	82·4	24·0	40·9	+3·5	+0·4	+ 3·1
	Bengal Hills	63·8	50·4	57·1	13·4	26·1	+1·6	+1·5	+ 0·1
	Orissa	97·0	77·2	87·2	19·8	29·4	+1·2	+0·5	+ 0·7
	Chota Nagpur	101·8	73·0	87·4	28·8	43·7	+0·5	+0·1	+ 0·4
	South Bihar	102·3	74·4	88·3	27·9	41·8	+0·2	+0·4	— 0·2
	North do.	99·9	69·8	84·9	30·2	45·5	+2·7	−1·7	+ 4·4
United Provinces of Agra and Oudh.	United Provinces (East)	103·2	70·4	86·8	32·8	45·8	−0·3	−1·8	+ 1·5
	South Oudh	102·5	71·0	86·8	31·5	45·0	+0·1	+0·1	0
	North do.	101·2	69·3	85·3	31·9	45·1	+1·6	−0·4	+ 2·0
	United Provinces (Central)	102·3	73·5	87·9	28·9	41·5	−0·6	+0·3	— 0·9
	Do. do. (West)	98·1	69·5	83·9	28·7	41·8	−2·5	−1·5	— 1·0
	Do. do. (East Submontane)	100·5	73·0	86·8	27·5	42·1	+0·1	+0·6	— 0·5
	Do. do. (West Submontane)	95·5	65·2	80·4	30·2	44·1	−0·6	−1·3	+ 0·7
	Do. do. (Hills)	72·5	54·1	63·3	18·4	39·4	+0·6	+0·7	— 0·1
Punjab	Punjab (South-East)	97·4	71·9	84·7	25·5	44·6	−2·3	−1·6	— 0·7
	Do. (South)	95·4	65·2	80·3	30·2	45·3	−4·4	−3·4	— 1·0
	Do. (Central)	92·9	64·1	78·5	28·8	43·3	−5·3	−0·2	— 5·1
	Do. (Submontane)	91·3	63·0	77·2	28·3	43·2	−3·4	−1·9	— 1·5
	Do. (Hills)	58·8	40·4	49·7	18·4	36·0	−3·8	−1·4	— 2·4
	Do. (West)	93·9	65·2	79·6	28·7	46·6	−4·2	−3·0	— 1·2
N.-W. F. Province	North-West Frontier Province	87·0	61·4	74·2	25·7	38·9	−3·7	−2·1	— 1·6
Bombay and Malabar Coast Districts (Madras).	Malabar	91·4	79·8	85·6	11·6	17·9	+1·0	+1·4	— 0·4
	Madras (South Central)	102·5	76·9	89·7	25·6	34·0	+3·4	+2·3	+ 1·1
	Coorg	86·1	63·9	75·0	22·2	31·9	+2·2	−0·3	+ 2·5
	Mysore	97·6	71·9	84·8	25·8	32·2	+4·1	+2·4	+ 1·7
	Konkan	87·7	76·7	82·2	11·0	18·7	−1·9	−1·7	— 0·2
	Bombay Deccan	104·0	71·9	88·0	32·1	41·3	+3·4	+0·1	+ 3·3
	Hyderabad (North)	104·0	78·5	91·3	25·4	40·0	...	...	...
	Khandesh	104·7	70·6	87·7	34·1	44·6	+3·7	−0·1	+ 3·8
Central Provinces and Berar.	Berar	107·7	75·3	91·5	32·4	43·2	+2·2	−0·3	+ 2·5
	Central Provinces (West)	105·6	74·5	90·0	31·1	44·0	+0·6	−0·6	+ 1·2
	Do. do. (Central)	103·5	72·2	87·9	31·3	42·7	+0·7	−0·7	+ 1·4
	Do. do. (East)	103·1	74·6	88·8	28·5	41·5	+0·6	−1·2	+ 1·8
Bombay (North)	Gujarat	103·1	71·5	87·3	31·5	42·7	−0·2	−1·7	+ 1·5
	Kathiawar and Cutch	94·3	70·0	82·2	24·3	37·8	−1·1	−2·0	+ 0·9
	Sind	97·0	70·6	83·8	26·4	45·6	−1·8	−1·1	— 0·7
	Baluchistan Hills	71·6	42·5	57·1	29·1	55·1	−5·8	−5·3	— 0·5
Rajputana and Central India.	Central India	100·9	70·6	85·8	30·3	44·7	−0·8	−0·4	— 0·4
	Rajputana (East)	99·0	72·0	85·5	27·0	42·3	−2·4	−0·7	— 1·7
	Do. (West)	99·3	71·0	85·1	28·4	46·4	−4·3	−2·1	— 2·2
Madras	East Coast (North)	92·2	78·2	85·2	14·0	20·4	+1·2	+0·2	+ 1·0
	Hyderabad (South)	106·2	79·4	92·8	26·8	35·4	+4·2	+2·7	+ 1·5
	Madras (Central)	108·3	82·1	95·2	26·2	33·4	+4·2	+3·5	+ 0·7
	East Coast (Central)	99·7	77·8	88·8	22·0	33·4	+1·8	+0·3	+ 1·5
	Do. (South)	98·7	78·3	88·5	20·3	21·7	+2·2	+1·3	+ 0·9
	Madras (South)	99·6	77·9	88·5	21·7	29·1	+2·9	+1·4	+ 1·5

Meteorological Province.	Departure from normal of Mean maximum temperature.	Mean minimum temperature.	Mean temperature.
	°	°	°
Burma Coast and Bay Islands	+0·6	+1·3	+1·0
Burma Inland	+0·8	+1·0	+0·9
Assam	−1·1	+0·2	−0·5
Bengal and Orissa	+1·7	+1·1	+1·4
Gangetic Plain and Chota Nagpur	+0·3	−0·5	−0·1
Upper Sub-Himalayas	−2·6	−1·8	−2·2
Indus Valley and North-West Rajputana.	−3·4	−2·1	−2·8
East Rajputana, Central India and Gujarat.	−1·3	−1·0	−1·1
Deccan	+2·1	0	+1·0
West Coast	−0·6	−0·3	−0·5
South India	+3·1	+1·5	+2·3

Winds.

20. Actual and normal mean wind data are given in Table II, an inspection of which will shew the following points:—

(i) On the Burma coast and round the head of the Bay directions were practically normal, but velocity and steadiness were greater than usual. The increase of velocity was probably due to the very low pressure belt which lay, during the latter half of the month, along the foot of the Himalayas from the United Provinces to Assam.

(ii) In the Gangetic Plain and westwards to Lahore winds had a tendency to be westerly and were stronger and considerably steadier than the normal.

(iii) On the west coast winds tended to the west and south, and were slightly steadier than usual.

(iv) In south India and in the Deccan directions varied irregularly, largely only at Hassan and Mysore. Steadiness and velocity were approximately normal in south India except at Bangalore, where wind strength was 50 per cent. in excess; and in the Deccan velocity was nearly normal and steadiness greater than usual.

(v) In the hill stations generally winds were steady, and at the higher levels of Central India northerly tendencies prevailed.

Humidity and cloud.

21. *Humidity.*—The charts on Plate V which give the conditions of humidity as compared with the normal for April, shew that there was a widespread defect over India with its maximum value in the Peninsula. Slight excess was recorded in parts of Sind, Rajputana and the Punjab, in the south of the Peninsula and along the east coast up to Bengal, in Eastern Bengal and Assam and over the greater part of Burma.

22. *Cloud.*—Cloud was in almost unbroken defect except in Assam, and the high values of maximum temperature already pointed out were due to this clearness of the skies. The following table gives humidity and cloud departures for India and Burma divided into nine provinces:—

Meteorological Province.	Mean absolute humidity. Average actual.	Departure from normal.	Mean relative humidity. Average actual.	Departure from normal.	Mean cloud amount. Average actual.	Departure from normal.
	"		%			
Burma Coast and Bay Islands.	·858	−·021	74	− 3	2·6	−1·1
Bengal and Orissa.	·892	+·021	78	0	2·4	−1·4
Gangetic Plain and Chota Nagpur.	·285	−·066	25	− 6	1·0	−1·4
Upper Sub-Himalayas.	·361	+·002	40	+ 1	1·6	−1·1
Indus Valley and North-West Rajputana.	·515	−·015	53	− 2	2·6	−0·3
East Rajputana, Central India and Gujarat.	·276	−·061	26	− 2	1·7	−0·4
Deccan	·370	−·044	29	− 6	1·0	−1·7
West Coast	·822	−·027	78	+ 1	0·7	−1·4
South India	·610	−·035	53	− 5	2·7	−1·6

In the country to the west of India from which the winter rain storms travel into India, cloud was in moderate but general excess.

Rainfall.

23. Rainfall in India and Burma was in defect during April over the whole area with the exception of the Surma and Brahmaputra valleys. The chart on Plate VII shews that practically the whole of India excepting the north-west corner, the south of the Peninsula and Bengal, received no rain at all, and that in the Brahmaputra valley and the south of the Peninsula rainfall increased steadily with its distance from the rainless area.

As has been pointed out in a previous section of this review the last few of the eastward travelling winter storms which affected the earlier part of the month passed in an almost rainless condition from west to east, and it was only those which reached the valley of Assam that became really fruitful in rainfall within the Indian area.

24. During the latter half of the month nearly continuous rain with some heavy falls occurred in Eastern Bengal and Assam. The excess in this region was perhaps due to the presence of the deep trough of low pressure which lined the base of the hills from Bihar eastwards to Assam, and which, although a normal condition for April, was in this case more strongly developed and had a more northerly situation than is usually the case.

25. A table of average rainfall in the eleven meteorological provinces, and a second for the 57 rainfall divisions follow, with columns giving departures from normal conditions, the chief periods of occurrence and the associated conditions of weather:—

Meteorological Province.	Rainfall.			
	Mean actual *a*.	Normal for April *b*.	Departure from normal *c*.	Percentage departure from normal.
	Inches.	Inches.	Inches.	
Burma Coast and Bay Islands	0·35	2·80	−2·41*	− 86
Burma, Inland	0·55	1·13	−0·89*	− 79
Assam	13·36	8·23	+5·13	+ 62
Bengal and Orissa	0·46	2·59	−2·11*	− 81
Gangetic Plain and Chota Nagpur	0·03	0·44	−0·41	− 93
Upper Sub-Himalayas	0·12	0·52	−0·39*	− 75
Indus Valley and North-West Rajputana.	0·10	0·36	−0·26	− 72
East Rajputana, Central India and Gujarat.	0	0·06	−0·06	−100
Deccan	0·03	0·50	−0·47	− 94
West Coast	0·78	2·00	−1·22	− 61
South India	0·14	1·43	−1·29	− 90

* A reference to table I will show that some of the stations contained in the Provinces of the above table have not yet had normal values of rainfall assigned to them. The figures, therefore, of columns *b* and *c* are based on a smaller number of stations than are those of column *a*, and hence the sum of the figures in columns *b* and *c* will not in general agree with the figures in column *a*.

Province.	Rainfall Division.	Number of rainy days.		Rainfall.				Chief periods.	Remarks.
		Actual.	Normal April.	Actual.	Normal April.	Departure from normal.	Percentage departure.		
				Inches.	Inches.	Inches.			
Burma	Tenasserim	1·6	5·0	1·10	4·00	−2·90	−73		
	Lower Burma (Deltaic)	0·1	2·5	0·01	1·79	−1·78	−99		
	Central do.	0·1	1·7	0·02	0·97	−0·95	−98		
	Upper do.	1·0	2·2	0·35	1·15	−0·80	−70		
	Arakan	0·7	1·7	0·30	1·44	−1·14	−79		
Bengal and Assam	Eastern Bengal	2·4	5·0	1·56	4·32	−2·76	−64	2nd to 3rd	1st depression.
	Assam (Surma)	16·2	12·1	20·49	13·08	+7·41	+57	5th to 7th	2nd ,,
	Do. (Hills)	7·1	9·1	6·62	8·01	−1·39	−17	and	
	Do. (Brahmaputra)	11·3	11·5	9·94	8·12	+1·82	+22	throughout the	
	Deltaic Bengal	0·2	3·5	0·15	2·31	−2·16	−94	month.	
	Central do.	0·2	2·4	0·06	1·39	−1·33	−96		
	North do.	1·5	5·0	0·51	3·97	−3·46	−87		
	Bengal Hills	4·1	8·4	1·68	4·32	−2·64	−61	Heavy from 18th	
	Orissa	0·3	2·1	0·12	1·20	−1·08	−90	to 22nd.	Due to deep trough of low pressure lying along the foot of the hills.
	Chota Nagpur	0·2	1·8	0·05	0·90	−0·85	−94		
	Bihar (South)	0·2	0·7	0·05	0·29	−0·24	−83		
	Do. (North)	0·1	1·4	0·03	0·82	−0·79	−96		

Province.	Rainfall Division.	Number of rainy days.		Rainfall.				Chief periods.	Remarks.
		Actual.	Normal, April.	Actual.	Normal, April.	Departure from normal.	Percentage departure.		
				Inches.	Inches.	Inches.			
United Provinces of Agra and Oudh.	United Provinces (East)	0	0·3	0	0·13	—0·13	—100		
	Oudh (South)	0	0·3	0	0·10	—0·10	—100		
	Do. (North)	0	0·4	0	0·17	—0·17	—100		
	United Provinces (Central)	0	0·3	0	0·09	—0·09	—100		
	Do. (West).	0	0·5	0·01	0·16	—0·15	—94		
	Do. (East Sub-montane)	0	0·5	0	0·25	—0·25	—100		
	Do. (West Sub-montane).	0·1	0·8	0·02	0·33	—0·31	—94		
	Do. (Hills)	0·8	2·5	0·27	1·06	—0·79	—75		
Punjab	Punjab (South-East)	0	0·5	0·01	0·19	—0·18	—95		
	Do. (South)	0	0·5	0	0·22	—0·22	—100	4th to 7th	3rd depression.
	Do. (Central)	0·6	1·2	0·14	0·51	—0·37	—73	7th to 9th	
	Do. (Submontane)	0·7	1·6	0·25	0·74	—0·49	—66		
	Do. (Hills)	1·1	3·3	0·31	1·91	—1·60	—84	15th to 17th	4th ,,
	Do. (West)	0·3	0·9	0·12	0·37	—0·25	—68		
North-West Frontier Province.	North-West Frontier Province	2·6	3·0	0·82	1·48	—0·66	—45	24th to 27th	
Bombay and Malabar Coast Districts (Madras).	Malabar	0·8	4·3	0·46	2·87	—2·41	—84		
	Travancore	5·0	...	3·51	..	...	...		
	Madras (South Central)	0·5	2·6	0·21	1·61	—1·40	—87		
	Coorg	1·9	...	0·80	...	...	...	27	Thunderstorms.
	Mysore	0·5	2·4	0·20	1·20	—1·00	—83	28	
	Konkan	0	0·8	0·0:	0·45	—0·44	—98	30	
	Bombay Deccan	0·1	2·3	0·06	1·13	—1·07	—95		
	Hyderabad (North)	0	1·3	0	0·48	—0·48	—100		
	Khandesh	0	0·3	0	0·13	—0·13	—100		
Central Provinces and Berar	Berar	0	0·6	0	0·24	—0·24	—100		
	Central Provinces (West)	0	0·6	0	0·24	—0·24	—100		
	Do. do. (Central)	0	0·8	0·01	0·30	—0·29	—97		
	Do. do. (East)	0·1	1·2	0·04	0·49	—0·45	—92		
Bombay (North).	Gujarat	0	0·1	0	0·02	—0·02	—100		
	Kathiawar and Cutch	0	0·1	0	0·03	—0·03	—100		
	Sind	0	0·3	0	0·13	—0·13	—100		
	Baluchistan Hills	0·7	1·3	0·16	0·50	—0·34	—68		
Rajputana and Central India.	Central India (East)	0	0·2	0	0·07	—0·07	—100		
	Rajputana (East), Central India (West).	0	0·3	0	0·11	—0·11	—100		
	Rajputana (West)	0	0·2	0	0·06	—0·06	—100		
Madras	East Coast (North)	0·3	1·5	0·13	0·87	—0·74	—85		
	Hyderabad (South)	0·3	1·6	0·12	0·67	—0·55	—82		
	Madras (Central)	0·1	1·3	0·03	0·63	—0·60	—95		
	East Coast (Central)	0·1	0·5	0·07	0·40	—0·33	—83		
	East Coast (South)	0·2	1·3	0·10	0·87	—0·77	—89		
	Madras (South)	1·1	3·2	0·62	2·08	—1·46	—70	27, 28, 30	Thunderstorms.

26. In those extra-Indian stations to the west of India which lie south of Ispahan, rainfall was in defect, and at Ispahan in excess. At Zanzibar and Seychelles there was a large excess of rainfall which amounted at the former station to 114 per cent. or +11·81″, and to 261 per cent. or +10·19″ at the latter.

Snowfall.

AFGHANISTAN.

27. (1) *Wano.*—No snowfall occurred during the month.

(2) *Kurram.*—A total of about 3 inches of snow fell on the Sufed Koh and the surrounding hills, on the 7th, 8th and 9th.

The passes were said to be open at the end of the month. Weather had been fair but cold, and although cloud amount was greater than in last year the snowfall did not exceed that of April 1905.

(3) *Peshawar*—Three falls occurred in the Afghan hills during April, a very heavy one early in the month giving great accumulations on the Sufed Koh, the Kohistan in Kafirstan and on the Pagman hills. The latter falls were lighter, and were followed by hail and rain. On the whole the month was wet over the whole of the frontier ranges.

KASHMIR AND THE PUNJAB.

28. (1) *Rawalpindi.*—No snowfall occurred during the month on the Murree hills.

(2) *Leh.*—About 2½ inches fell on the 26th and 27th, but melted during the next two days. The snow line lay at 14,000′. The Diger pass and Chang La to the east of Leh were open to foot passengers.

(3) *Kulu.*—Snow fell only on the higher peaks and passes.

The following accumulations refer to the end of April:—

Kulu Tahsil.	Feet.	Saraj Tahsil.	Feet.
Rohtang	16	Siri Khand	18
Hamta	22	Chul	2
Barsai	6	Hingan	4
Chandarkhani	11	Dundku	5
Puja Dhar	5½	Tikkar	3
Lohri Achhri	7	Ram Garh	1
Sari	8	Tuhnu	2
Bhubu	4	Ragho Pur	6
Bistari	2	Jalori	5
Mujhang	...	Bimbari	...
		Sakiran	5
		Gargarasan	3
		Sopakun	3
		Bashleo	5
		Plach	6
		Tirath	5

Cloud amount was greater than usual, and the weathe was not cold; snowfall was somewhat under that of Apri 1905.

(4) *Simla-Kilba.*—Two falls occurred; on the 26t down to 11,000′ with a depth there of 2″, and on the 28t down to the same level with a depth there of 1½″.

Accumulations were reported to be:—

Pass.	Level.	Depth.
Rupan pass	16,000′	8′
Bruin pass	16,000′	8′
Harang pass	12,000′	3′
Shatul pass	15,000′	5′
Bulder pass	16,000′	9′
Runang pass	14,000′	7′

The heavy snowfall of this winter did much damage t wheat crops. Warm weather prevailed during April, but with the exception of Harang and Shatul all passes were still closed on the 30th.

(5) *Kangra, Kailang.*—The following falls occurred; 1st 2½″, 20th 1″ and 26th 2½″.

(6) *Chamba, Pangi Range.*—At Kilar, 8,562′, 4 falls occurred extending over the whole of the Pangi Valley:—

1st	3″ down to	7,000′
4th	2″ „	7,800′
25th	5″ „	7,000′
27th	4″ „	7,000′

Cloudy skies were more marked and the weather warmer than usual. The Sach pass remained closed.

UNITED PROVINCES.

29. (1) *Almora.*—The following snowfall was reported from the Patwaris; and reached down to inhabited areas:—

		ft.	in.
Malla Johar	1st April 1906	0	6
	4th do.	1	0
		1	6
		ft.	in.
Malla Danpur	No snowfall.		
Malla Darma	1st April 1906	2	6
	3rd do.	2	0
	4th do.	1	6
	5th do.	2	0
	28th do.	2	3
		10	3

Refers to Nirwe pass.

			ft.	in.	
Chandans	10th April 1906		1	0	Refers to Binkara pass.
	17th do.		0	6	
	20th do.		0	6	
	24th do.		1	0	
			3	0	

			ft.	in.
Byans	2nd April 1906		2	6
	12th do.		1	10
	25th do.		1	2
			5	6

Accumulations at the end of the month were considerably deeper in most of the passes than at the corresponding time of last year:—

	ft.	in.
Unt Dhura	27	0
Ralam Dhura	24	0
Millam Dhura	18	0
Nirwe pass	25	0
Binkara pass	20	0
Limpa pass	11	0
Lepulek pass	10	0

Weather was cloudy and warm, and the snowfall during April had not exceeded that of the corresponding month of last year.

Crop report.

30. *Burma.*—Slight rainfall occurred in the early part of the month in upper Burma and in three districts in lower Burma; thereafter rain fell only locally. Reaping of dry weather paddy, and plucking of tobacco continued throughout the month. Some damage was sustained by the dry weather paddy in Kyaukse owing to want of rain.

Eastern Bengal and Assam.—Heavy rain fell in upper Assam, and moderate to slight rain in other districts. More rain was urgently looked for in all parts except in the Surma valley and upper Assam. Plucking of tea was in progress, and the crop was fair except in Lakhimpur, where heavy rain had done damage. Summer rice had been similarly damaged in parts of Sylhet.

Bengal.—Appreciable rainfall was confined to the first week and none occurred then in Chota Nagpur and Orissa. Harvesting of spring crops and pressing of sugarcane were completed, and sowing of sugarcane, jute and autumn crops was in progress. Water and fodder were sufficient, and prospects fair.

United Provinces.—There was little or no rain except some slight shower which fell during the first week in the four Himalayan districts and in Saharanpur, Bijnor, Moradabad, Muzaffarnagar and Bulandshahar. Harvesting was completed with fair returns. Locusts damaged crops in Tehri and hot westerly winds were prejudicial in Sultanpur aud Gorakhpur. Fodder was scarce in Bundelkhand and locally elsewhere. The total number on relief diminished during the month.

Punjab.—Rainfall occurred in the northern and western districts, except during the third week, and in Gurgaon in the fourth week. Water supply was in general sufficient, and the crops and prospects good except in the unirrigated tracts of Delhi.

N.-W. F. Province.—Nearly general light rain fell in the first and fourth weeks. Standing irrigated crops were fair in Dera Ismail Khan and good elsewhere; and unirrigated crops were average. Harvesting was begun, and sowing of extra spring crops and of cotton was in progress. Cattle were in good condition, except in the Daman tract of Dera Ismail Khan.

Jummoo and Kashmir.—Rain fell only in the first week and was slight. Crops were in good condition and fodder was generally sufficient.

Rajputana.—Practically no rain fell, but that of the previous month had had a widespread beneficial influence. Fodder was scarce locally, and cattle in poor condition in affected areas. The numbers on relief fell during the month.

Central India.—There was no rain with the exception of light showers in Gwalior during the first week. Crop outturns varied from poor to good. Pasturage was bad and cattle in poor condition in Gwalior.

Central Provinces.—Rainless weather prevailed. Harvesting, threshing and winnowing were nearly complete everywhere. Water and fodder were only locally insufficient.

Bombay.—There was practically no rain until the last day of the month. Standing crops were generally in good condition. Water in well and tanks was low throughout the month and drinking water was scarce. Fodder was insufficient and cattle were deteriorating. Harvesting and threshing of spring crops were in operation, and lands were being prepared for autumn sowings.

Hyderabad.—There was no appreciable rainfall. Considerable scarcity of water and fodder was reported. Late rice was being harvested locally at the close of the month and lands were in preparation for autumn sowings. Standing crops were good.

Mysore.—Water and fodder were scanty and rain was much needed everywhere. Crops in parts of Tumkur and Hassan were withering, but prospects elsewhere were fair.

Coorg.—Rain fell during the last two weeks. Water and fodder were scarce early in the month, but sufficient later.

Madras.—Light local rain occurred, but irrigation supplies were insufficient. Standing crops were fair, except in parts of Salem and Madura where they had withered. The condition of cattle was generally good, and fodder sufficient except in parts of Bellary, Coimbatore and Tanjore.

J. H. FIELD.

Table I.—Abstract of Observations taken at 8 h. at 231 Stations in India, Burma, etc., in April, 1906.

Table

Abstract of Observations taken at 8 h. at 231 Stations

Number of rainfall division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 h. in inches.								Temperature of air.												
			Mean 8 h. pressure reduced to 32°.	Departure from normal.	Mean 8 h. pressure reduced to sea-level and to constant gravity, at 45° Lat. (see note 3).	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 h. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	I.—Burma Coast and Bay Islands.			+·007								94·5	+0·6	77·7	+1·3	86·1	+1·0	16·8					24·6
1	Car Nicobar .	25																					
	Slipper Island .	90	29·840		29·864	29·879	11th	29·781	28th	·098	82·8	89·9		79·5		84·8		10·4	92·2	4 days	77·1	3rd	15·1
	Port Blair . .	61	29·872	+·019	29·861	29·921	11th	29·813	28th	·108	81·9	93·8	+1·3	78·8	−0·2	86·4	+0·6	15·0	96·1	30th	76·9	3rd & 16th	19·2
	Mergui* . .	96	29·829	+·006	29·855	29·863	1st	29·786	28th	·077	83·7	93·8	+1·9	76·3	+2·6	85·1	+2·3	17·5	97·4	1st	72·9	3rd	24·5
	Tavoy . .	19	29·925	+·011	29·876	29·958	10th & 18th,	29·878	9th	·080	81·2	95·1	+1·1	75·4	+1·2	85·3	+1·2	19·7	100·0	2nd	71·3	20th	28·7
	Moulmein . .	94	29·815	−·002	29·847	29·855	21st	29·753	8th	·102	83·3	94·6	0	77·7	+1·3	86·2	+0·7	16·9	97·4	4 days	69·3	7th	28·1
2	Rangoon . .	57	29·875	+·024	29·870	29·915	25th	29·815	8th	·100	80·9	99·2	+0·6	76·8	+0·6	88·0	+0·6	22·4	102·6	23rd & 27th.	72·9	6th	29·7
	Bassein . .	27?	29·880	+·011	29·844	29·919	21st	29·819	9th & 28th.	·100	82·2	96·5	+0·3	76·3	+0·8	86·4	+0·6	20·2	99·7	1st	73·4	7th	26·3
	Diamond Island.	41	29·877	+·002	29·853	29·918	21st	29·815	8th	·103	82·9	87·1	−1·6	79·0	+0·7	83·1	−0·5	8·1	89·4	21st	75·2	20th	14·2
5	Akyab . .	20	29·869	−·008	29·831	29·922	25th	29·795	8th	·127	82·8	91·8	0	77·8	+1·8	84·8	+0·9	14·0	94·9	30th	71·2	5th	23·7
3	Toungoo . .	182	29·700	−·003	29·824	29·743	5th	29·639	9th	·104	84·8	102·7	+2·3	79·0	+3·0	90·9	+2·7	23·7	107·3	30th	70·6	5th	36·7
	II.—Burma Inland.			−·029								100·3	+0·8	74·6	+1·0	87·5	+0·9	25·7					39·0
3	Thayetmyo .	121	29·709	−·036	29·771	29·767	1st	29·634	9th	·133	85·5	104·7	+1·7	76·5	+0·7	90·6	+1·2	28·2	110·5	27th & 30t.	72·4	3rd	28·1
4	Minbu . .	*165*	29·656	−·035	29·764	29·719	5th	29·594	9th	·125	83·5	105·0	+1·6	77·5	+0·6	91·3	+1·1	27·5	111·1	30th	70·1	7th	41·0
	Yamethin . .	657	29·177	−·024	29·781	29·232	5th	29·116	9th	·116	84·1	102·5	+0·2	78·5	+2·4	90·5	+1·3	24·0	108·3	28th & 30th.	71·2	5th	37·1
	Monywa . .	*280*	29·565		29·784	29·672	5th	29·491	28th	·181	84·1	103·9		76·5		90·2		27·4	113·2	29th	67·6	7th	45·6
	Mandalay . .	250	29·566	−·030	29·763	29·656	5th	29·497	9th	·159	86·5	105·5	+3·2	80·3	+2·5	92·9	+2·9	25·2	113·6	29th	70·8	1st	42·8
	Myitkyina . .	458	29·368		29·793	29·454	11th	29·268	9th	·186	72·5	89·4		66·8		78·1		22·6	98·7	30th	61·1	17th	37·6
	Bhamo . .	*381*	29·454	−·018	29·797	29·554	5th	29·361	12th	·193	72·9	91·2	−2·7	66·4	−1·2	78·8	−2·0	24·8	101·9	30th	61·1	4th	40·8
4(a)	Maymyo . .	3,545	26·412		26·357	26·466	1st & 5th.	26·328	9th	·138	72·8	87·2		63·5		75·3		23·7	94·9	29th	53·1	1st	41·8
	Lashio . .	*2,751*	27·051	−·062	26·997	27·101	1st	26·986	8th	·115	76·2	93·7	+2·8	65·0	+2·1	79·4	+2·5	28·7	101·0	1st	57·0	3rd	44·0
	III.—Assam.			−·059								84·2	−1·1	67·8	+0·2	76·0	−0·5	16·3					33·7
7	Silchar . .	104	29·734	−·043	29·792	29·800	5th	29·647	18th	·153	75·0	86·5	−2·0	70·2	+1·9	78·3	−0·5	16·3	92·5	13th	62·9	2nd	29·6
9	Sibsagar . .	333	29·484	−·063	29·782	29·580	5th	29·349	18th	·231	68·5	77·6	−4·9	66·8	+0·3	72·2	−2·3	10·8	90·2	11th	59·9	7th	30·3
	Dhubri . .	115	29·651	−·070	29·723	29·760	5th	29·505	18th	·255	76·5	92·3	+3·6	69·9	−0·8	81·1	+1·4	22·4	102·8	29th	61·7	6th	41·1
	Gauhati . .	195	29·606		29·760	29·726	5th	29·467	18th	·259	72·4	88·2		67·8		78·0		20·4	96·5	30th	59·6	1st	36·9
	Tezpur . .	252	29·543		29·757	29·670	5th	29·391	18th	·279	71·3	83·4		67·6		75·5		15·8	92·6	10th & 11th,	61·4	4th	31·2
	Dibrugarh .	353	29·462		29·784	29·557	1st	29·341	18th	·216	67·4	76·9		64·7		70·8		12·2	91·7	11th	58·4	7th	33·3
	IV.—Bengal and Orissa.			−·042								97·1	+1·7	75·1	+1·1	86·1	+1·4	22·0					35·9
6	Chittagong .	87	29·758	−·033	29·793	29·814	1st	29·654	8th	·169	81·3	88·2	−0·7	75·3	+1·6	81·8	+0·5	12·9	89·7	7 days,	66·1	5th	23·6
	Noakhali . .	43	29·774		29·764	29·844	1st	29·681	8th	·163	83·7	89·2		76·6		83·9		10·6	90·7	29th & 30th.	69·4	6th	21·3
	Comilla . .	36	29·769		29·754	29·841	1st	29·678	18th	·163	81·2	92·1		76·2		84·2		15·9	95·3	19th	65·3	5th	30·0
	Sirajganj . .	49	29·723		29·723	29·842	1st	29·622	18th	·220	79·7	98·8		74·3		86·6		24·5	106·3	27th	66·7	3rd & 4th	39·6
	Narayanganj .	26	29·778	−·033	29·752	29·854	1st	29·689	8th	·165	81·5	94·3	+1·1	77·2	+2·9	85·8	+2·0	17·1	98·1	19th	69·3	6th	28·8
	Barisal . .	12	29·797	−·036	29·755	29·874	1st	29·704	8th	·170	83·8	93·1	+0·9	77·9	+2·5	85·5	+1·7	15·2	95·8	19th	68·6	6th	27·2
	Mymen singh .	63	29·735	−·045	29·749	29·819	1st	29·615	18th	·204	79·8	94·0	+3·2	74·4	+2·2	84·2	+2·7	19·6	100·7	18th	64·0	6th	36·7
	Faridpur . .	46	29·740		29·736	29·819	1st	29·660	18th	·159	81·3	97·2		75·6		86·4		21·6	103·8	12th & 13th,	65·9	3rd	37·9
10	Jessore . .	33	29·739	−·056	29·719	29·829	1st	29·660	18th	·169	82·3	98·3	+1·1	76·9	+1·8	87·6	+1·5	21·4	106·5	12th	70·2	3rd & 18th,	36·3
	Calcutta (Alipore)	21	29·763	−·039	29·730	29·827	1st	29·699	8th	·128	82·5	97·3	+1·7	77·3	+1·6	87·3	+1·7	20·0	105·1	12th	71·4	3rd	33·7
	Saugor Island .	25	29·770	−·033	29·739	29·816	4th	29·704	18th	·112	83·6	91·8	+1·0	81·0	+1·1	86·5	+1·1	10·8	97·9	14th	74·1	1st	23·8

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

* Mean of 28 days.

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

NOTE 2.—The data from which divisional means of the figure columns Nos. 40, 42 and 44

NOTE 3.—The barometric readings are not reduced to sea-level in the cases of hill or plateau

I.

in India, Burma, etc., in April, 1906.

Wind Direction. Number of winds from: Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	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 h. Mean humidity at 8 h.	Departure from normal.	Mean vapour tension at 8 h.	Departure from normal.	Cloud. Mean cloud amount at 8 h.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st Dec. 1905 to 30th April 1906.	Normal rainfall for period, 1st Dec. to 30th April.	Departure from normal of period, 1st Dec. 1905 to 30th April 1906.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
													✓	79 ✓	0	·878	+·002	2·9	−1·2				0·35	2·80	−2·41					I.—Burma Coast and Bay Islands.
1	2					5	13	9	N 76° W	11·4			11·6	74		·828		4·0		0			0							Car Nicobar.
	1	2		1		2	12	12	N 66° W	5·6	4·9	+ 14		83	0	·901	−·048	2·5	−1·9	0			0	3·33	− 3·33	15·01	11·77	+ 3·24	0	Slipper Island,
15	3	4	1	3	2				N 73° E	4·0	2·1	+ 90	3·6	77	− 4	·882	−·011	3·0	−1·6	2	6·70	−4·70	0·91	6·54	− 5·63	3·93	12·84	− 8·91	0	Port Blair.
31									Calm	2·9				83	0	·884	+·017	1·8	−2·5	1	5·30	−4·30	0·66	3·78	− 3·12	1·41	5·94	− 4·53	0·65	Mergui.
22				4	3		1		S 18° E	3·4	3·2	+ 6	3·8	79	0	·903	+·042	4·0	0	3	5·00	−2·00	1·47	3·11	− 1·64	1·47	4·13	− 2·66	0·61	Tavoy.
6	1			1	5		16	1	S 76° W	6·3	4·0	+ 58	5·7	78	− 2	·824	−·024	2·5	−0·6	0	2·20	−2·20	0	1·83	− 1·83	0·02	2·55	− 2·53	0·80	Moulmein.
7				1		6	9	7	W	7·9	5·7	+ 39		78	− 1	·857	−·013	2·4	−1·1	0	2·10	−2·10	0	1·55	− 1·55	2·71	2·12	+ 0·59	0	Rangoon.
	1		1			1	13	14	N 66° W	10·1	5·1	+ 98	10·1	75	+ 1	·856	+·007	2·0	−2·2	0	2·09	−2·09	0	1·46	− 1·46	2·23	2·49	− 0·26	0	Bassein.
2		12	2	7	5	2			S 78° E	4·6	7·2	− 36	4·4	83	+ 3	·929	+·044	2·9	−1·6	1	1·80	−0·80	0·29	1·28	− 0·99	3·19	2·68	+ 0·51	0	Diamond Island.
4				6	4	15	1		S 22° W	4·5	4·0	+ 13	4·5	76	+ 3	·913	P	3·8	+1·0	1	3·10	−2·10	0·12	2·28	− 2·16	0·45	2·79	− 2·34	0·29	Akyab.
														64	− 2	·673	−·018	1·5	−0·9				0·55	1·13	−0·89				0·11	Toungoo.
11					15		4		S 15° W	7·8	7·0	+ 11		62	0	·757	+·022	0·4	−0·7	0	1·60	−1·60	0	0·90	− 0·90	1·16	1·14	+ 0·02		II.—Burma Inland.
	1			7	10	5	6	1	S 18° W	8·5			10·1	59	− 1	·680	+·003	0·5	−0·7	0	1·20	−1·20	0	0·85	−0·85	2·14	1·55	+ 0·59	0	Thayetmyo.
2				15	13				S 25° E	6·6			6·9	64	− 1	·751	+·009	0·7	−0·3	0	3·60	−3·60	0	1·52	− 1·52	0·36	2·68	− 2·32	0	Minbu.
13	1			2	12			2	S	3·0			3·1	59		·695		0·8		0	2·00	−2·00	0·12	0·71	− 0·59	1·38	1·10	+ 0·28	0	Yamethin.
2	1				27				S	8·4			8·5	50	− 9	·624	−·086	0·2	−2·2	1	2·40	−1·40	0·26	1·12	− 0·86	2·60	1·67	+ 0·93	0·09	Monywa.
1		11	18						N 73° E	4·3†			4·4†	77		·609		4·7		7			2·39			6·11			0·19	Mandalay.
5	4	14	5					2	N 42° E	8·9			10·4	76	+ 2	·596	−·038	3·4	−0·4	4	4·80	−0·80	1·07	1·66	− 0·59	5·75	3·85	+ 1·90	0·87	Myitkyina.
7				4	15	4			S 45° W	5·3				64		·515		0·9		1	4·30	−3·30	0·32	2·80	− 2·48	2·74	3·95	− 1·21	0·45	Bhamo.
1	2	9	2		5	9		2	S 25° E	6·5				53	−17	·474	−·037	3·1	−2·4	1			0·13	2·20	− 2·07	3·23	4·12	− 0·89	0·17	Maymyo.
														87	+2	·674	+·006	6·2	+0·6				13·36	8·23	+5·13				0·11	Lashio.
31									Calm	0·3	3·4	− 91	0·5	87	+ 4	·764	+·064	6·3	+0·2	21	13·70	+7·30	25·61	13·62	+11·99	32·47	25·72	+ 6·75		III.—Assam.
3	3	18	1	1				4	N 33° E	5·3	2·9	+ 83	4·8	95	+ 5	·660	−·029	9·5	+2·6	18	14·50	+3·50	25·42	9·50	+15·92	38·95	18·47	+20·48	4·61	Silchar.
	1	9	17	1	1	1			N 78° E	9·0	8·0	+ 13	9·6	77	− 2	·699	+·012	3·9	−1·1	2	7·40	−5·40	0·97	4·73	− 3·76	2·77	7·59	− 4·82	4·98	Sibsagar.
9	7	5	4	4			1		N 50° E	1·9			2·1	85		·678		4·9		7	10·20	−3·20	3·84	5·87	− 2·03	7·88	10·30	− 2·42	0·53	Dhubri.
7		9	14						N 73° E	8·5			9·0	84		·636		4·4		8	11·00	−3·00	4·42	5·92	− 1·50	9·22	10·55	− 1·33	1·52	Gauhati.
19	1	5	5						N 62° E	2·2			2·1	91		·609		8·2		19	13·50	+5·50	19·90	9·76	+10·14	31·17	19·99	+11·18	1·13	Tezpur.
														75	0	·803	+·020	3·1	−0·6				0·46	2·59	−2·11				2·93	Dibrugarh.
				14	15	1			S 19° E	11·1	7·1	+ 56	10·2	80	0	·865	+·025	4·7	+0·3	2	4·42	−2·42	3·29	3·85	− 0·56	6·74	8·72	− 1·98		IV.—Bengal and Orissa.
1			2	4	15	5	3		S 50° W	8·3			8·9	79		·905		4·2		3	4·61	−1·61	1·89	4·66	− 2·77	6·89	9·23	− 2·34	2·15	Chittagong.
			1	9	19	1			S 15° E	10·8			9·0	83		·895		3·8		4	6·46	−2·46	1·44	6·27	− 4·83	6·43	10·74	− 4·31	0·68	Noakhali.
10				18	1			1	S 43° E	3·8			4·0	81		·830		6·7		2	4·60	−2·60	0·38	2·95	− 2·57	5·48	5·70	− 0·22	0·55	Comilla.
			2	3	10	13	1	1	S 18° W	9·1	6·7	+ 36	7·8	85	+ 3	·922	+·072	6·3	+0·4	3	6·59	−3·59	1·63	4·51	− 2·88	9·38	9·08	+ 0·30	0·25	Sirajganj.
				7	18	5			S 2° E	6·7			5·8	83	+ 1	·957	+·054	4·2	−0·7	1	4·29	−3·29	0·73	3·12	− 2·39	4·82	7·39	− 2·57	1·01	Narayanganj
3			11	12	4	1			S 56° E	5·4			4·7	82	0	·833	+·061	7·2	+1·9	2	6·23	−4·23	0·78	5·37	− 4·59	3·98	8·98	− 5·00	0·73	Barisal.
2	1			1	22	4			S 5° W	8·4			7·2	82		·882		3·7		2	6·00	−4·00	2·07	4·16	− 2·09	8·24	8·35	− 0·11	0·41	Mymensingh.
9				2	15	3	1		S 6° W	2·4	4·5	− 47	2·4	83	+ 2	·913	+·026	4·2	−0·5	0	4·68	−4·68	0	3·18	− 3·18	9·02	6·91	+ 2·11	1·36	Faridpur.
	1			1	6	19	1	2	S 40° W	7·1	7·5	− 5		82	+ 4	·905	+·052	3·2	−0·2	0	2·92	−2·92	0·03	1·43	− 1·40	11·85	4·16	+ 7·69	0	Jessore.
	1				16	12	1		S 23° W	21·8	16·7	+ 31	21·8	83†	+ 3†	·948†	+·020†	4·5	−1·3	0	2·00	−2·00	0·04	0·85	− 0·81	3·47	3·84	− 0·37	0·03	Calcutta (Alipore).
																													0·04	Saugor Islands.

the data for that station are not utilized in calculating the provincial departures from normal.
are derived are incomplete.
stations, the elevations of which exceed 3,200 feet.

† Mean of 29 days.

Table

Abstract of Observations taken at 8 h. at 231 Stations

Number of rainfall division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 h. in inches.								Temperature of air.											
			Mean 8 h. pressure reduced to 32°.	Departure from normal.	Mean 8 h. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure during month.	Date.	Total range of pressure during month.	Mean of 8 h. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
10	Krishnagar	47	29·720		29·716	29·830	1st	29·651	17th	·179	81·2	100·5		75·5		88·0		25·0	106·6	12th	67·0	4th	39·6
	Midnapore	149	29·627		29·723	29·669	3rd	29·569	17th	·120	82·7	102·2		76·9		89·6		25·3	108·4	27th	71·7	3rd	36·7
11	Bankura	298	29·448		29·711	29·525	1st	29·385	17th	·140	83·5	104·3		75·7		90·1		28·6	111·6	27th	69·7	3rd & 4th	41·9
	Raniganj	334	29·440		29·727	29·524	1st	29·366	17th	·158	81·0	103·1		74·4		88·7		28·7	110·5	29th	66·0	3rd	44·5
	Burdwan	99	29·672	−·039	29·720	29·769	1st	29·602	17th	·167	81·1	101·4	+0·8	75·7	0	88·5	+0·4	25·7	108·4	12th	70·8	4th	37·6
	Naya Dumka	489	29·267		29·711	29·364	1st	29·178	18th	·186	84·1	102·7		74·0		88·4		28·7	109·9	27th	65·9	4th	44·0
	Berhampore	67	29·694	−·046	29·711	29·818	1st	29·611	18th	·207	81·1	101·6	+1·6	74·8	+0·2	88·2	+0·9	26·8	108·8	27th	66·7	4th	42·1
	Rampur Boalia	70	29·686		29·706	29·818	1st	29·596	18th	·222	81·3	99·6		73·9		86·8		25·7	108·0	27th	65·1	4th	42·9
	Malda	72	29·655		29·679	29·766	1st	29·542	18th	·224	80·7	99·1		71·6		85·4		27·5	108·0	29th	62·1	13th	45·9
	Bogra	61	29·689	−·061	29·705	29·821	1st	29·587	18th	·244	78·8	100·0	+3·8	73·9	+2·0	87·0	+2·9	26·1	107·8	27th & 29th.	65·2	3rd	42·6
12	Dinajpur	123	29·619	−·070	29·698	29·727	1st	29·480	18th	·256	78·8	98·3	+4·2	69·9	−0·8	84·3	+1·7	28·9	108·2	29th	63·0	4th	45·2
	Rangpur	123	29·656		29·735	29·760	1st	29·524	18th	·236	78·7	95·1*		71·6		83·4*		23·5	105·6	29th	61·6	6th	44·0
	Jalpaiguri	284	29·483	−·065	29·728	29·606	1st	29·342	18th	·264	77·6	92·3	+2·8	69·8	+1·6	81·0	+2·2	22·5	101·5	29th	63·6	6th	37·9
	Cooch Behar	156	29·623		29·736	29·746	5th	29·505	12th	·241	76·3	91·3		70·1		80·7		21·2	99·4	29th & 30th.	63·6	3rd & 7th	35·8
17	Purnea	125	29·625	−·049	29·705	29·739	1st	29·483	18th	·256	80·3	99·5	+2·5	70·0	0	84·7	+1·3	29·5	108·8	29th	63·1	4th	45·7
14	Balasore	50	29·746	−·024	29·739	29·799	5th	29·680	18th	·119	82·3	98·5	+1·0	75·9	−0·1	87·2	+0·5	22·6	107·0	11th	70·5	3rd	36·5
	Angul	455	29·344		29·757	29·400	10th	29·284	19th	·116	83·3	105·7		73·8		89·8		31·9	111·2	30th	69·1	19th & 23rd.	42·1
	False Point	21	29·801	−·021	29·764	29·849	10th	29·733	18th	·116	82·9	89·0	−0·9	78·9	+1·3	84·0	+0·2	10·1	93·0	8th	73·6	2nd	19·4
	Cuttack	80	29·728	−·025	29·751	29·785	10th	29·664	18th	·121	82·9	105·4	+3·4	78·3	+0·3	91·9	+1·9	27·1	111·0	13th	74·2	4th	36·8
	Puri	24	29·804		29·767	29·862	10th	29·731	19th	·131	81·0	86·5		79·2		82·9		7·2	90·0	4th	77·6	8th	12·4
	V.—Gangetic Plain and Chota Nagpur.			−·035								101·5	+0·3	71·8	−0·5	86·7	−0·1	29·7					43·8
15	Hazaribagh	2,007	27·781	−·027	29·712	27·845	11th	27·710	18th	·135	84·0	98·2	+0·1	73·4	+0·9	85·8	+0·5	24·8	104·6	28th	63·3	3rd	41·3
	Ranchi	2,128	27·685	−·014	29·738	27·745	11th	27·597	18th	·148	82·9	97·5	+0·4	73·3	+1·2	85·4	+0·8	24·2	104·2	28th	63·4	3rd	40·8
	Daltonganj	*730*	29·040		29·731	29·109	11th	28·980	18th	·129	78·1	104·0		68·8		86·4		35·2	110·1	26th & 28th.	60·5	4th	49·6
	Purulia	*816*	28·958		29·719	29·025	3rd	28·895	17th	·130	83·3	104·7		75·3		90·0		29·4	111·2	27th & 28th.	68·4	4th	42·8
	Chaibassa	*760*	29·012	−·030	29·723	29·068	3rd & 4th.	28·949	17th	·119	81·4	104·6	+1·0	74·2	−1·8	89·4	−0·4	30·4	110·9	27th	67·0	3rd & 4th.	43·9
16	Gaya	375	29·378	−·036	29·704	29·445	14th	29·286	18th	·159	86·5	103·6	+0·2	75·4	+0·5	89·5	+0·4	28·2	110·0	28th	68·8	4th	41·2
	Dehri	351	29·396		29·699	29·470	3rd	29·306	18th	·164	85·3	103·5		77·2		90·4		26·3	109·4	27th & 28th.	68·0	1st	41·4
	Patna	183	29·553	−·054	29·669	29·627	14th	29·425	18th	·202	83·6	100·8	+0·2	73·8	+0·3	87·3	+0·3	27·0	107·5	27th & 28th.	66·8	3rd	40·7
	Arrah	190	29·556		29·659	29·625	14th	29·442	18th	·183	83·3	102·2		72·0		87·1		30·2	108·9	27th & 28th.	66·1	3rd & 4th.	42·8
	Buxar	239	29·501		29·696	29·571	14th	29·392	18th	·179	82·4	101·2		73·4		87·3		27·8	108·0	28th	65·0	3rd	43·0
17	Bhagalpur	160	29·582		29·694	29·673	1st	29·470	18th	·203	86·1	100·7		72·9		86·9		27·8	108·8	29th	64·6	4th	44·2
	Darbhanga	166	29·569	−·062	29·689	29·673	1st	29·407	18th	·266	78·2	98·9	+2·8	68·5	−3·4	83·7	−0·3	30·4	107·1	29th	61·3	4th	45·8
	Muzaffarpur	178	29·562		29·696	29·649	1st	29·410	18th	·239	81·0	99·0		69·0		84·0		30·0	106·8	27th, 28th & 29th.	62·0	4th	44·8
	Motihari	224	29·493		29·680	29·602	1st	29·322	18th	·280	76·1	99·6		66·7		83·2		32·9	107·5	28th	59·2	4th	48·3
	Chapra	181	29·543		29·679	29·628	14th	29·410	18th	·218	81·7	101·8		71·4		86·6		30·4	108·5	27th, 28th & 29th.	64·6	3rd & 4th	43·9
18	Benares	267	29·423	−·035	29·704	29·555	2nd & 11th.	29·395	18th	·160	83·8	102·1	−1·0	69·5	−2·4	85·8	−1·7	32·6	107·6	27th	61·7	2nd	45·9
	Allahabad	309	29·449	−·031	29·712	29·531	12th	29·371	19th	·160	84·1	104·3	+0·5	71·3	−1·1	87·8	−0·3	33·0	110·1	28th	64·5	3rd	45·6
23	Gorakhpur	257	29·456	−·059	29·669	29·540	11th	29·302	18th	·238	83·0	100·5	+0·1	73·0	+0·6	86·8	+0·4	27·5	108·1	27th & 28th.	66·0	4th	42·1
19	Lucknow	368	29·377	−·030	29·705	29·472	11th	29·283	18th & 19th.	·189	81·8	102·5	+0·1	71·0	+0·1	86·8	+0·1	31·5	107·8	25th & 28th.	62·8	2nd	45·0
20	Bahraich	401	29·314	−·056	29·677	29·398	11th	29·163	18th	·215	80·9	101·2	+1·6	69·3	−0·4	85·3	+0·6	31·9	107·1	26th	62·0	3rd	45·1
21	Cawnpore	416	29·342	−·016	29·718	29·433	2nd	29·260	19th	·173	82·1	101·3	−0·9	71·6	−0·7	86·5	−0·8	29·7	106·4	18th	64·7	3rd	41·7
	Mainpuri	516	29·260	+·001	29·736	29·381	11th	29·161	19th	·220	80·9	101·6	−0·9	69·7	−0·8	85·7	−0·9	31·9	107·8	24th	63·3	3rd	44·5

* Mean of 29 days.

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

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

NOTE 2.—The data from which divisional means of the figure columns Nos. 10, 12 and 18

I—*continued.*

in India, Burma, etc., in April, 1906—continued.

Wind Direction. Number of winds from. Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	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 h. Mean humidity at 8 h.	Departure from normal.	Mean vapour tension at 8 h.	Departure from normal.	Cloud. Mean cloud amount at 8 h.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st Dec. 1905, to 30th April 1906.	Normal rainfall for period, 1st Dec. to 30th April.	Departure from normal of period, 1st Dec 1905, to 30th April 1906.	Heaviest rainfall during month.	Station
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
2		1		1	12	8	5	1	S 30° W	2·9			3·2	81		·861		1·9		0	3·39	— 3·39	0	2·43	— 2·43	10·11	5·17	+ 4·94	0	Krishnaga
2	2	1		3	16	4	1	1	S 6° W	4·1			3·6	66		·724		0·3		0	3·10	— 3·10	0·06	1·78	— 1·72	12·72	5·29	+ 7·43	0·06	Midnapore
2					1	1	6		S 74° W	1·9			1·7	64		·727		0·4		0	3·00	— 3·00	0	1·53	— 1·53	9·47	4·33	+ 5·14	0	Bankura.
3		1	1				1	1	N	2·2			1·7	57		·606		0·5		0	2·47	— 2·47	0·04	1·59	— 1·55	7·48	3·91	+ 3·57	0·04	Raniganj.
3	2	1			5	14	2	3	S 52° W	4·1	4·8	−15	4·0	75	+ 5	·800	+·056	2·0	−1·3	0	3·48	— 3·48	0	1·75	— 1·75	12·20	4·41	+ 7·79	0	Burdwan.
1							3		W	2·7			3·0	44		·513		0·3		0	2·38	— 2·38	0·02	1·02	— 1·00	5·66	3·28	+ 2·38	0·02	Naya Dumk
1	2		1	1	8	15		1	S 30° W	4·7	5·2	−10	5·8	74	— 2	·784	—·003	1·8	−2·0	0	2·56	— 2·56	0·06	1·24	— 1·18	7·85	3·70	+ 4·15	0·06	Berhampore.
3					3	11			S 36° W	3·8			3·9	75		·806		1·4		1	2·95	— 1·95	0·75	1·81	— 1·06	6·63	4·21	+ 2·42	0·72	Rampur Boalia.
	1	4	2	4	10	7	1	1	S 4° E	10·2			9·3	63		·665		1·0		0	1·81	— 1·81	0·03	1·35	— 1·32	5·39	3·84	+ 1·55	0·03	Malda.
1			8	8	5				S 52° E	3·8			3·2	81	+ 4	·802	+·042	3·5	−0·3	0	3·81	— 3·81	0	2·07	— 2·07	5·50	4·84	+ 0·66	0	Bogra.
	1	5	7	3	3	4	1	1	S 69° E	3·9			3·7	66	— 6	·849	—·030	3·0	−1·1	1	3·21	— 2·21	0·32	2·33	— 2·01	3·31	3·92	— 0·61	0·32	Dinajpur.
		8	4	9	3	5	1		S 60° E	7·1			6·6	92		·916		5·4		1	4·39	— 3·39	0·34	3·16	— 2·82	2·56	5·33	— 2·77	0·34	Rangpur.
		12	11						S 68° E	1·9			2·4	76	0	·727	+·050	3·4	+0·6	1	5·53	— 4·53	0·22	3·85	— 3·63	1·89	6·07	— 4·18	0·22	Jalpaiguri.
		5	18	3				1	N 85° E	3·1			3·2	72		·660		4·4		1	7·41	— 6·41	0·20	5·88	— 5·68	5·00	8·47	— 3·47	0·15	Cooch Behar.
		12	1			2	1	2	N 34° E	1·3	3·6	−64	1·1	57	−10	·578	—·073	0·3	−2·3	0	1·93	— 1·93	0	1·22	— 1·22	2·91	2·79	+ 0·12	0	Purnea.
1	1				7	13	2	1	S 38° W	6·9			5·1	72	— 6	·797	—·076	1·8	−2·2	0	3·58	— 3·58	0	1·86	— 1·86	13·09	5·32	+7·76	0	Balasore.
5	6	1	2	1	1	3	4		N 1° E	6·1			5·2	57		·648		0·8		0			0			7·29			0	Angul.
					25	5			S 52° W	14·4	13·3	+ 9	15·0	83	+ 1	·929	+·001	5·3	+0·1	0	1·84	— 1·84	0	0·73	— 0·73	3·04	3·98	— 0·94	0	False Point.
					11	8			S 63° W	4·5	5·1	−12		80	+ 8	·910	+·084	2·9	−0·6	0	1·97	— 1·97	0·06	0·98	— 0·92	3·31	3·10	+ 0·21	0·06	Cuttack.
					30				S 45° W	18·1			17·0	88		·940		3·5		0	1·17	— 1·17	0	0·80	— 0·80	3·40	3·35	+ 0·05	0	Puri.
														39	—10	·414	—·110	0·5	−0·9				0·03	0·44	—0·41					V.—Gangetic Plain and Chota Nagpur.
2				2	8	6	12		N 81° W	12·4	8·4	+48	10·9	26	−10	·293	—·097	1·1	−0·9	0	1·35	— 1·35	0·07	0·39	— 0·32	7·16	2·63	+ 4·53	0·07	Hazaribagh.
2				2	3	11	12		N 75° W	9·3			10·9	25	−19	·275	—·207	0·6	−0·9	0	2·16	— 2·16	0·05	0·84	— 0·79	10·28	3·95	+ 6·33	0·05	Ranchi.
			3		4		1		S 14° W	5·7			4·6	37		·364		0·1		0	0·70	— 0·70	0·01	0·27	— 0·26	5·92	2·49	+ 3·44	0·01	Daltonganj.
					2	18	5		N 85° W	5·1			6·3	39		·431		0·3		0	2·39	— 2·39	0·05	0·99	— 0·94	10·38	3·64	+ 6·74	0·05	Purulia.
					2	2			S 72° W	?				49	— 6	·524	—·131	0·3	−1·5	0	2·06	— 2·06	0	1·36	— 1·36	13·50	3·91	+ 9·59	0	Chaibassa.
		2	1		2	15			S 82° W	5·0	3·8	+32	4·0	38	−13	·467	—·131	0·6	−1·1	0	0·58	— 0·58	0	0·15	— 0·15	3·42	2·09	+ 1·33	0	Gaya.
				5	14	9			S 52° W	7·8			6·9	28		·320		1·1		0	0·41	— 0·41	0·04	0·10	— 0·06	2·03	2·06	— 0·03	0·04	Dehri.
	1	4	2		7	12	2		S 72° W	6·6	4·4	+50	7·5	38	−13	·430	—·126	0·1	+1·2	0	0·58	— 0·58	0	0·27	— 0·27	4·01	1·92	+ 2·09	0	Patna.
	1	1	2	1	14	6	1		S 52° W	4·6			4·5	28		·310		0		0	0·55	— 0·55	0	0·47	— 0·47	3·56	2·56	+ 1·00	0	Arrah.
		1	1	2	8	17	1		S 70° W	12·5			11·8	32		·350		0·5		0	0·35	— 0·35	0	0·15	— 0·15	2·11	1·93	+ 0·18	0	Buxar.
1	2	3	2	1	6	9			S 60° W	5·5			4·9	38		·445		0		1	1·45	— 0·45	0·10	0·88	— 0·78	5·45	2·62	+ 2·83	0·10	Bhagalpur.
1	5	3		1	2	5	3		N 27° W	4·0	5·1	−22	3·5	73	+10	·715	+·092	0·4	−0·8	0	1·47	— 1·47	0	0·70	— 0·70	2·02	2·36	— 0·34	0	Darbhanga.
		4	4			6	7		N 63° W	4·3				54		·561		0		0	0·90	— 0·90	0	0·47	— 0·47	2·52	2·23	+ 0·29	0	Muzaffarpur
	2	5			4	4			S 9° W	4·9			4·3	55		·474		0·5		0	1·23	— 1·23	0·06	0·68	— 0·62	1·88	2·27	— 0·39	0·06	Motihari.
		3	1	4	12	5	1		S 40° W	5·5			4·9	61		·664		0		0	0·55	— 0·55	0·06	0·32	— 0·26	3·07	2·02	+ 1·05	0·06	Chapra.
1					13	6	7		S 81° W	4·1	5·0	−18	4·7	44	— 4	·503	+·009	0·4	−0·9	1	0·40	+ 0·60	0·19	0·13	+ 0·06	2·57	1·72	+ 0·85	0·19	Benares.
					8	15	5		S 85° W	6·9	4·9	+41	5·7	22	−14	·259	—·165	0·6	−1·0	0	0·20	— 0·20	0	0·13	— 0·13	0·78	1·86	— 1·08	0	Allahabad.
1	2	2	1		2	8	3		N 74° W	3·4	4·4	−23		42	— 9	·471	—·063	0·3	−1·0	0	0·50	— 0·50	0	0·45	— 0·45	2·62	2·17	+ 0·45	0	Gorakhpur.
					8	9	1		S 72° W	3·3	4·4	+25	3·6	25	−15	·265	—·180	0·3	−1·4	0	0·40	— 0·40	0	0·04	— 0·04	3·17	2·15	+ 1·02	0	Lucknow.
1		2	3		1	2	19		N 46° W	5·2			4·9	33	−18	·343	—·210	1·6	+0·1	0	0·80	— 0·80	0	0·40	— 0·40	5·12	3·24	+ 1·88	0	Bahraich.
2					2	15	6		N 77° W	6·0				27	−13	·287	—·178	0·5	−0·4	0	0·40	— 0·40	0	0·03	— 0·03	2·69	1·62	+ 1·07	0	Cawnpore.
1	1	1			1	6	10		N 56° W	2·3			2·3	34	— 3	·353	—·047	0·8	−0·6	0	0·40	— 0·40	0	0·48	— 0·48	2·67	2·55	+ 0·12	0	Mainpuri.

ata for that station are not utilized in calculating the provincial departures from normal.
eriv d are incomplet .

Tabl

Abstract of Observations taken at 8 h. at 231 Station

Numer of rainfall division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 h. in inches.								Temperature of air.												
			Mean 8 h. pressure reduced to 32°.	Departure from normal.	Mean 8 h. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 h. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	VI.—Upper Sub-Himalayas.			-·012								94·1	-2·6	65·0	-1·8	79·6	-2·2	29·1					44·0
24	Bareilly	568	29·169	-·026	29·707	29·290	11th	29·048	18th	·242	77·6	99·0	-0·3	69·4	+0·5	84·2	+0·1	29·6	104·4	27th	62·1	3rd	42·3
	Dehra Dun	2,233	27·591	-·031	29·740	27·678	11th	27·423	19th	·255	71·6	91·5	+0·9	62·2	-2·1	76·9	-0·6	29·3	97·0	27th	55·0	1st & 2nd,	42·0
	Roorkee	899	28·847	-·020	29·723	28·998	11th	28·733	19th	·265	76·1	96·0	-2·2	64·1	-2·4	80·1	-2·3	31·9	102·5	26th	54·4	19th	48·1
22	Meerut	738	29·016	-·015	29·725	29·159	11th	28·898	19th	·261	78·1	97·1	-1·4	65·6	-2·5	81·4	-2·0	31·5	103·7	25th	59·3	3rd	44·4
26	Delhi	718	29·047	-·011	29·735	29·193	11th	28·931	19th	·262	79·2	97·4	-2·3	71·9	-1·6	84·7	-2·0	25·5	104·2	25th	59·6	1st	44·6
28	Lahore	702	29·067	+·001	29·752	29·208	1st	28·928	19th	·280	74·1	92·8	-5·4	64·1	-0·2	78·5	-2·8	28·7	99·4	4 days	56·1	1st & 21st,	43·3
27	Sirsa	662	29·120	+·007	29·757	29·270	11th	28·978	19th	·292	76·9	96·7	-4·4	65·1	-3·4	80·9	-3·9	31·6	103·3	21st	56·6	1st	47·7
	Patiala	*818*	28·944		29·739	29·086	11th	28·834	19th	·252	76·4	94·0		65·2		79·7		28·8	101·2	25th	58·3	12th	42·9
29	Ludhiana	812	28·941	-·014	29·735	29·067	11th	28·814	19th	·253	74·0	94·1	-3·3	66·0	-1·2	80·1	-2·3	28·1	103·0	27th	57·2	18th	45·8
	Sialkot	830	28·939	0	29·755	29·085	1st	28·794	19th	·291	73·3	91·8	-3·4	62·9	-3·4	77·4	-3·4	28·9	97·6	24th & 30th.	54·2	2nd, 17th & 21st.	43·4
	Ambala	892	28·858	-·015	29·730	29·011	11th	28·720	19th	·291	74·8	95·3	-2·4	64·9	-1·3	80·1	-1·9	30·4	103·0	25th & 26th,	58·8	1st	44·2
	Rawalpindi	1,674	28·120	-·006	29·802	28·257	12th	27·964	8th	·293	69·3	83·9	-4·5	58·2	-1·7	71·1	-3·1	25·7	89·9	24th & 30th.	50·1	1st	39·8
	VII.—Indus Valley and N.-W. Rajputana.			+·015								95·0	-3·4	67·5	-2·1	81·3	-2·8	27·5					44·9
32	Peshawar	1,110	28·716	-·017	29·835	28·877	12th	28·529	8th	·348	70·0	82·9	-4·0	58·8	-2·0	70·9	-3·0	24·1	89·6	30th	54·0	1st	35·6
	D. I. Khan	590	29·220	-·008	29·772	29·403	12th	29·054	19th	·339	74·3	91·1	-3·3	63·9	-2·2	77·5	-2·8	27·2	97·2	15th	55·1	12th	42·1
31	Khushab	612	29·185	+·023	29·777	29·354	1st	29·009	8th	·345	77·1	91·6	-3·7	64·7	-3·3	78·2	-3·5	26·9	98·4	8th	56·0	1st	42·4
	Montgomery	558	29·229	+·018	29·761	29·404	12th	29·073	19th	·331	78·9	94·7	-5·4	64·1	-4·0	79·4	-4·7	30·6	102·8	8th	53·5	1st	49·3
	Multan	420	29·364	-·008	29·757	29·563	12th	29·200	8th	·363	76·3	95·5	-3·5	66·8	-1·8	81·2	-2·7	28·7	104·4	30th	56·4	11th	48·0
47	Jacobabad	186	29·630	+·026	29·780	29·822	11th	29·514	7th	·308	81·2	100·3	-2·8	69·3	-0·4	84·8	-1·6	31·0	110·3	30th	57·4	11th	52·9
	Hyderabad	96	29·755	+·036	29·805	29·930	11th	29·672	25th & 30th,	·258	81·7	100·7	-2·0	70·3	-2·0	85·5	-2·0	30·4	107·7	27th & 29th.	62·0	12th	45·7
	Kurrachee	30	29·854	+·034	29·835	30·008	12th	29·783	25th	·225	78·3	89·9	-0·7	72·2	-0·9	81·1	-0·8	17·7	103·9	20th & 21st.	65·7	12th	38·2
51	Bikaner	*771*	29·022	+·009	29·766	29·182	12th	28·880	19th	·302	80·2	97·5	-3·8	73·3	-2·3	85·4	-3·1	24·2	104·6	30th	62·0	1st	42·6
	Pachpadra	*380*	29·459	+·036	29·799	29·625	11th	29·378	19th	·247	80·1	101·4	-4·8	67·7	-1·8	84·5	-3·3	33·7	107·5	23rd & 30th.	55·9	11th	51·6
	Jodhpur	782	29·062		29·829	29·225	11th	28·955	19th	·270	80·1	99·1		71·9		85·5		27·2	105·2	30th	60·2	11th	45·0
	VIII.—East Rajputana, Central India and Gujarat.			+·019								98·7	-1·3	71·5	-1·0	85·1	-1·1	27·2					41·0
50	Jaipur	1,431	28·408	+·013	29·801	28·533	11th	28·296	19th	·237	81·5	99·0	-2·7	68·6	-2·5	83·8	-2·6	30·4	104·2	7th & 30th,	59·0	1st	45·2
	Kotah	819?	28·985		29·797	29·102	11th & 12th.	28·875	19th	·227	87·9	102·3		77·4		89·9		24·9	107·1	16th & 30th.	67·1	2nd	40·0
	Sambhar	1,254	28·579	+·022	29·802	28·715	11th	28·461	19th	·254	79·9	98·1	-2·3	69·8	-1·3	84·0	-1·8	28·3	104·5	30th	60·7	2nd	43·8
	Ajmer	1,611	28·244	+·013	29·817	28·381	11th	28·136	19th	·245	80·6	97·2	-2·1	73·2	+1·8	85·2	-0·2	24·0	103·4	30th	64·2	2nd	39·2
	Udaipur	1,925	27·949		29·813	28·055	12th	27·865	19th	·190	83·0	98·3		71·0*		84·7*		27·3	104·5	30th	61·3	3rd	43·2
46	Bhuj	395	29·497	+·041	29·849	29·631	11th	29·429	19th	·202	79·5	98·9	-2·1	70·6	-0·9	84·8	-1·5	28·3	106·2	19th	63·0	11th	43·2
	Jamnagar	61	29·848		29·854	29·989	11th	29·793	19th	·196	79·0	94·8		68·2		81·5		26·6	102·1	18th & 19th.	61·4	11th	40·7
	Rajkot	429	29·477	+·031	29·860	29·597	11th	29·417	19th	·180	80·3	100·9	-1·9	66·1	-3·3	83·5	-2·6	34·8	106·9	19th	58·4	11th	48·5
	Veraval	*18*	29·889	+·031	29·849	30·001	11th	29·815	29th	·186	76·8	85·0	-2·7	69·1	-3·4	77·1	-3·1	15·9	94·1	13th	60·8	12th	33·3
	Dwarka	37?	29·885		29·868	30·008	11th	29·826	19th	·182	78·4	82·9		74·9		78·9		8·0	85·8	27th	69·7	9th	16·1
	Bhavnagar Para	55	29·846	+·006	29·845	29·966	11th	29·799	29th	·167	81·2*	103·2	+2·4	71·1	-0·4	87·1	+1·0	32·1	109·2	20th	64·5	2nd	44·7
49	Newgong	757	29·053	+·005	29·770	29·160	11th	28·967	19th	·193	81·9	102·8	-0·6	71·1	-0·3	87·0	-0·5	31·7	107·0	8th, 26th & 28th.	62·0	3rd	45·0
	Indore	1,823	28·061	+·029	29·827	28·165	11th	28·004	19th	·161	82·6	100·2	-0·4	69·9	+0·2	85·1	-0·1	30·3	105·1	30th	59·1	3rd	46·0
	Neemuch	1,630	28·237	+·022	29·817	28·342	12th	28·154	19th	·188	83·5	98·5	-2·4	69·7	+1·6	84·1	-2·0	28·8	103·0	23rd & 29th.	59·8	2nd	43·2
45	Surat	39	29·861	+·010	29·845	29·852	11th	29·815	29th	·137	82·2	101·4	+1·8	72·7	-0·1	87·1	+0·6	28·7	106·1	22nd & 23rd.	69·0	2nd & 4th.	37·1

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

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

Note 2.—The data from which divisional means of the figure columns Nos. 40, 42 and 44

* Mean of 29 days.

I—*continued.*

in India, Burma, etc., in April, 1906—continued.

Wind Direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	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 h. Mean humidity at 8 h.	Departure from normal.	Mean vapour tension at 8 h.	Departure from normal.	Cloud. Mean cloud amount at 8 h.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st Dec. 1905 to 30th April 1906.	Normal rainfall for period, 1st Dec. to 30th April.	Departure from normal of period, 1st Dec. 1905 to 30th April 1906.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
														46	0	·398	—·022	1·6	—0·6				0·12	0·52	—0·39					VI.—Upper Sub-Himalayas.
23	1		1				3	2	N 58° W	3·6	4·5	—20	3·4	45	0	·424	—·021	1·0	—0·4	0	0·45	—0·45	0	0·17	—0·17	5·46	3·05	+2·41	0	Bareilly.
30									Calm.	2·6	2·6	0		41	— 5	·322	—·045	2·2	—0·5	0	1·50	—1·50	0·03	0·59	—0·56	7·93	6·92	+1·01	0·02	Dehra Dun.
16	1		1					12	N 38° W	4·4	3·2	+38	4·4	40	— 1	·351	—·070	0·6	—1·0	0	1·10	—1·10	0·08	0·39	—0·31	8·00	4·69	+3·31	0·06	Roorkee.
16	2				1	2	6	3	N 80° W	2·2	2·4	— 8	2·2	28	—12	·362	—·032	1·2	—0·4	0	0·90	—0·90	0	0·19	—0·19	4·82	3·55	+1·27	0	Meerut.
					2	5	14	9	N 88° W	5·0	3·9	+28	4·4	40	+ 4	·391	+·018	0·8	—1·2	0	0·90	—0·90	0	0·21	—0·21	2·88	3·18	—0·30	0	Delhi.
6	7	2	3	2			2	8	N 7° W	3·4	3·3	+ 3		52	+ 5	·434	+·015	2·9	+0·6	1	1·00	0	0·14	0·42	—0·28	4·86	3·67	+1·19	0·14	Lahore.
23	1	1	1	1		1		2	N 11° E	1·4	4·0	—65	1·2	42	+ 3	·384	—·008	1·4	—1·5	0	0·60	—0·60	0·03	0·26	—0·23	4·33	2·06	+2·27	0·03	Sirsa.
	9	3	3	1	2		3	9	N 15° W	5·7*			5·8*	50		·446		2·1		0			0			8·70			0	Patiala.
10	1	7	2			1	4	5	N 8° W	2·9	2·1	+38	2·6	53	+ 8	·454	+·023	0·8	—1·9	1	1·00	0	0·14	0·71	—0·57	8·28	5·42	+2·86	0·11	Ludhiana.
2	5	7	4	1			4	7	N 3° E	3·7	2·3	+61	3·1	51	+ 3	·408	—·028	1·8	—0·3	0	1·90	—1·90	0·11	0·80	—0·69	8·99	6·77	+2·22	0·07	Sialkot.
11			3		1	3	12		N 61° W	4·1			3·6	48	— 5	·407	—·068	1·8	+0·5	0	0·90	—0·90	0·02	0·31	—0·29	8·07	5·53	+2·54	0·02	Ambala.
13	1	2	2	2	1	2	4	3	N 75° W	4·6	2·8	+64	4·2	56	0	·394	—·028	2·9	—0·2	2	3·20	—1·20	0·89	1·70	—0·81	15·46	9·31	+6·15	0·62	Rawalpindi.
														45	— 2	·425	—·049	2·0	—0·2				0·10	0·36	—0·26					VII.—Indus Valley and N.-W. Rajputana.
19	1			2	1	1	5	1	S 75° W	2·4	4·2	—43	2·6	54	— 8	·381	—·088	3·9	+0·5	3	3·40	—0·40	0·91	1·75	—0·84	9·03	6·94	+2·09	0·36	Peshawar.
16		3	1					10	N 23° W	1·9	2·4	—21	2·0	51	— 3	·427	—·062	2·5	+0·4	1	1·90	—0·90	0·13	0·70	—0·57	5·53	3·03	+2·50	0·13	D. I. Khan.
5	3	9	3	1		2	5	2	N 15° E	8·3			8·0	44	+ 2	·410	+·008	1·4	—1·4	0	1·50	—1·50	0·02	0·62	—0·60	4·94	3·80	+1·14	0·02	Khushab.
1	3	3	4	5	4	2	3	5	S 77° E	7·3			6·8	28	—10	·263	—·150	2·3	+0·1	0	0·70	—0·70	0	0·13	—0·13	3·51	2·41	+1·10	0	Montgomery
12	7	6	1	3		1			N 38° E	2·0	2·5	—20	1·8	43	— 5	·375	—·096	1·5	—0·1	0	0·70	—0·70	0·03	0·10	—0·07	3·59	1·56	+2·03	0·02	Multan.
2	7	1	6		1	3	2	8	N 17° W	5·4	3·9	+38	5·6	44	+ 6	·484	+·063	1·2	—0·7	0	0·40	—0·40	0·01	0·15	—0·14	4·50	1·00	+3·50	0·01	Jacobabad.
6	2	2		1	4	13	2		S 42° W	7·4	10·2	—27	6·6	43	— 5	·456	—·055	0·7	—0·9	0	0·20	—0·20	0	0·04	—0·04	3·05	0·71	+2·34	0	Hyderabad.
	5	1					14	10	N 59° W	12·8	14·0	— 9	12·7	69	— 9	·661	—·132	3·2	+1·0	0	0·20	—0·20	0	0·25	—0·25	2·41	1·54	+0·87	0	Kurrachee.
	1		1	4	4	11	8	1	S 44° W	8·6	4·7	+83		41	+ 5	·429	+·020	2·0	+0·2	0	0·30	—0·30	0	0·11	—0·11	4·12	1·12	+3·00	0	Bikaner.
	1	3	2	2	6	12	2	2	S 29° W	8·7	4·5	+93	8·2	48	+ 3	·495	+·007	0·6	—1·3	0	0·20	—0·20	0	0·04	—0·04	1·58	0·73	+0·85	0	Pachpadra.
2		6	1		3	12	5	1	S 54° W	6·2	4·5	+38	5·6	29		·296		2·6		0	0·20	—0·20	0	0·05	—0·05	2·08	0·55	+1·53	0	Jodhpur.
														45	— 4	·474	—·072	1·0	—0·4				0	0·06	—0·06					VIII.—East Rajputana, Central India and Gujarat.
3	6	1	2	1			3	14	N 31° W	5·2	5·7	— 9		25	—10	·269	—·124	2·6	+0·5	0	0·40	—0·40	0	0·07	—0·07	1·55	1·37	+0·18	0	Jaipur.
11	5	1					6	7	N 44° W	3·3			2·6	17		·222		0·5		0	0·30	—0·30	0	0·02	—0·02	0·55	0·78	—0·23	0	Kotah.
14	3	1		1	2		6	3	N 65° W	8·5	7·0	+21		35	0	·353	—·024	2·0	+0·4	0	0·30	—0·30	0	0·09	—0·09	2·21	1·29	+0·92	0	Sambhar.
8		2		3	2	4	8	3	S 70° W	8·2	5·0	+64	7·1	34	— 3	·353	—·070	2·3	+0·8	0	0·50	—0·50	0	0·11	—0·11	1·48	1·22	+0·26	0	Ajmer.
20						1	7	2	N 86° W	5·2			4·6	33		·373		0·6		0	0·30	—0·30	0			0·76			0	Udaipur.
	1					4	12	13	N 38° W	12·7	10·9	+17	10·7	65	+10	·642	+·032	0·8	—0·2	0	0	0	0	0·12	—0·12	1·83	0·41	+1·42	0	Bhuj.
2	1	1				8	13	5	S 89° W	15·8			15·5	68		·672		0·5		0			0			1·64			0	Jamnagar.
	2					2	18	8	N 76° W	8·6	11·1	—23	8·4	77	+12	·796	+·126	0·6	—0·5	0	0	0	0	0·01	—0·01	0·75	0·18	+0·57	0	Rajkot.
1	5					1	8	15	N 53° W	12·6	7·2	+75	12·6	73	+ 1	·668	—·056	0·5	—2·1	0	0	0	0	0	0	0·42	0·10	+0·32	0	Veraval.
	1				2	9	12	6	S 82° W	12·7				82		·798		1·5		0			0			2·88			0	Dwarka.
1	1					1	2	25	N 49° W	8·7			7·3	50*	—12	·417*	—·284	0·5	—1·1	0	0	0	0	0·01	—0·01	0·18	0·30	—0·12	0	Bhavnagar Para.
4	1				2	2	19	2	S 87° W	3·2	2·8	+14	3·2	25	—13?	·269	—·154?	1·7	+0·5	0	0·10	—0·10	0	0·05	—0·05	1·22	2·01	—0·79	0	Nowgong.
3	5	6				1	8	7	N 35° W	7·2	4·4	+64	5·8	29	—10	·332	—·126	0·6	—0·8	0	0·20	—0·20	0	0·13	—0·13	0·21	0·68	—0·47	0	Indore.
4	7	3	1			5	6	4	N 48° W	9·1	10·3	—12	7·6	25	—10	·286	—·136	1·1	—0·2	0	0·10	—0·10	0	0·09	—0·09	1·08	0·79	+0·29	0	Neemuch.
5	11	3	1	1	4	2	1	2	N	5·5	8·0	—31	5·2	61	— 4	·686	—·073	0·2	—1·5	0	0	0	0	0	0	0·17	0·14	+0·03	0	Surat.

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

* Mean of 29 days.

Tabl

Abstract of Observations taken at 8 h. at 231 Station

Number of rainfall division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 h. in inches.								Temperature of air.												
			Mean 8 h. pressure reduced to 32°.	Departure from normal.	Mean 8 h. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 h. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
45	Ahmedabad .	163	29·723	+·028	29·835	29·835	11th	29·659	19th	·176	83·3	104·6	−0·8	73·0	−2·2	88·8	−1·5	31·6	109·3	22nd. & 23rd.	64·6	12th	44·7
	Deesa . .	466	29·405	+·017	29·831	29·535	11th	29·330	19th	·205	81·1	103·2	−1·0	68·9	−2·8	86·1	−1·9	34·3	109·3	22nd	62·9	11th	46·4
22	Agra . .	555	29·239	+·004	29·758	29·370	11th	29·137	19th	·233	81·4	99·1	−3·5	73·3	−0·4	86·3	−2·0	25·8	104·5	8th & 24th.	65·4	2nd & 12th,	39·1
21	Jhansi . .	858	28·975	+·017	29·785	29·098	11th	28·880	19th	·218	86·6	104·1	−0·1	79·1	+2·4	91·6	+1·2	25·0	103·3	16, 24th & 25th.	70·1	3rd	38·2
	IX.—Deccan.			−·005								104·6	+2·1	74·6	0	89·6	+1·0	30·0					41·3
38	Belgaum. .	2,539	27·372	+·007	29·824	27·434	11th	27·336	6th	·098	78·9	99·6	+3·6	66·9	−0·6	83·3	+1·5	32·7	102·3	26th	63·4	21st	38·9
	Sholapur .	1,590	28·276	−·009	29·795	28·345	11th	28·239	9th & 13th.	·106	86·7	107·7	+2·9	76·6	+1·1	92·2	+2·0	31·1	109·8	13th	69·0	5th	40·8
	Poona . .	1,840	28·064	+·008	29·854	28·135	11th	28·022	8th	·113	79·9	103·3	+1·7	67·0	−2·7	85·2	−0·5	36·3	107·1	30th	58·9	2nd	48·2
	Bijapur . .	*1,948*	27·929	−·005	29·791	27·996	11th	27·695	13th	·101	96·1	105·3	+5·5	77·2	+2·4	91·3	+4·0	28·1	107·5	17th, 23rd & 24th.	70·2	20th	37·3
40	Malegaon .	1,430	28·446	0	29·817	28·536	11th	28·412	7th	·124	86·1	105·6	+2·4	70·3	−1·5	88·0	+0·5	35·3	108·8	14, 30th	61·6	1st	47·2
	Ahmednagar .	2,154	27·756	+·013	29·823	27·831	11th	27·720	8th	·111	85·6	103·8	+4·9	70·9	+1·3	87·4	+3·1	32·9	105·9	21, 30th	64·0	2nd	41·9
41	Akola . .	930	28·903	−·011	29·772	28·969	11th	28·857	8th	·112	87·6	108·0	+2·0	73·6	−1·2	90·8	+0·4	34·4	111·1	30th	64·8	3, 4th	46·3
	Amraoti .	1,215	28·629	+·007	29·780	28·689	11th	28·582	8th	·107	88·4	107·3	+2·3	76·9	+0·6	92·1	+1·5	30·4	110·4	30th	70·3	1st	40·1
42	Khandwa .	1,044	28·811	+·011	29·806	28·908	11th	28·768	9th	·140	86·0	105·2	+0·4	74·5	−0·8	89·9	−0·2	30·7	109·2	30th	63·1	3rd	46·1
	Hoshangabad	1,006	28·835?	−·001?	29·798?	28·922	11th	28·782	7th & 16th.	·140	83·5	104·0	−0·8	71·8	−2·0	87·9	−1·4	32·2	108·2	24th	64·3	2, 3rd	43·9
	Nagpur . .	1,025	28·808	+·006	29·775	28·888	2nd	28·745	8th	·143	89·4	107·7	+2·2	77·1	+0·9	92·4	+1·6	30·6	111·2	18, 22 & 30th.	69·1	3rd	42·1
43	Chanda . .	*634*	29·192	−·007	29·763	29·255	2nd	29·140	8th	·115	88·9	108·6	+2·1	76·2	−0·2	92·4	+1·0	32·4	111·5	30th	69·5	22nd	42·0
	Seoni . .	2,033	27·823	0	29·777	27·876	11th & 22nd,	27·773	19th	·103	85·1	102·9	+1·8	71·2	−0·6	87·1	+0·6	31·7	106·9	24th	63·0	4th	43·9
	Jubbulpore .	1,327	28·495	−·002	29·782	28·582	2nd	28·435	19th	·147	80·4	101·8	−0·2	67·1	−3·5	84·5	−1·9	34·7	105·5	29th, 30th	58·8	3rd	46·7
	Saugor . .	1,807	28·035	+·004	29·778	28·127	11th	27·968	19th	·159	84·7	100·6	−0·9	74·3	+1·5	87·5	+0·3	26·3	104·4	29th, 30th	66·1	2nd	38·3
49	Sutna . .	1,040	28·749	−·012	29·747	28·833	11th	28·672	19th	·161	84·3	102·1	+0·4	71·7	+0·1	86·9	+0·3	30·4	108·1	28th	63·7	14th	44·4
44	Raipur . .	970	28·834	−·018	29·744	28·894	2nd	28·763	19th	·131	86·7	105·5	+1·2	77·7	+0·8	91·6	+1·0	27·8	108·8	6 days.	69·4	3rd	39·4
	Pendra . .	2,123?	27·994		29·744	27·859	11th	27·731	19th	·128	84·4	99·4		73·5		86·5		25·9	105·3	27th	62·6	3rd	42·7
	Sambalpur .	486	29·306	−·034	29·740	29·388	11th	29·245	17th	·143	83·2	104·3	0	72·5	−3·1	88·4	−1·6	31·8	110·1	29th	67·6	3, 19th	42·5
39	Aurangabad .	1,905	27·982		29·811	28·042	11th	27·899	8th	·143	84·0	103·7		75·0		89·4		28·7	110·5	27th	65·2	3rd	45·3
	Indur . .	1,260	28·613		29·805	28·665	3rd	28·583	29th	·082	89·8	107·0		80·7		93·9		26·3	109·4	26th	75·2	1st	34·2
	Bidar . .	*2,165*	27·739		29·807	27·803	11th	27·692	9th	·111	87·8	101·2		80·3		90·7		20·9	104·0	24th	73·4	4th	30·6
53	Gulbarga .	1,503	28·342	−·028	29·766	28·389	11th	28·300	9th	·089	89·7	107·8	+4·6	79·0	+2·9	93·4	+3·8	28·8	110·8	24th	73·5	20th	37·3
	Raichur . .	*1,326?*	28·516	−·014	29·771	28·559	11th	28·485	9th	·074	87·7	106·1	+4·0	82·3	+3·1	94·1	+3·6	23·8	109·0	18th & 22nd.	77·1	1st	31·8
	Hyderabad (Deccan).	1,690	28·175	−·004	29·788	28·222	12th	28·116	9th	·106	86·6	105·1	+3·9	77·3	+2·0	91·2	+2·5	27·8	108·3	17th	70·2	3rd	39·1
	Hanumkonda .	871	28·967		29·779	29·017	11th	28·911	19th	·106	84·6	105·8		79·0		92·4		26·8	110·2	14th	75·8	20th	34·4
	X.—West Coast.			+·018								89·3	−0·6	78·0	−0·3	83·7	−0·5	11·3					18·3
37	Bombay .	37	29·875	+·008	29·852	29·946	10th	29·819	7th	·127	80·0	87·9	−0·6	75·5	−2·2	81·7	−1·4	12·4	91·5	28th & 29th.	72·5	3rd	19·0
	Ratnagiri .	110	29·800	+·019	29·850	29·854	21st	29·755	29th	·099	80·4	88·0	−2·1	75·9	−1·5	82·0	−1·8	12·1	91·3	24th	71·4	11th	19·9
	Mormugao .	*60*	29·870	+·030	29·865	29·934	11th	29·828	29th	·106	82·5	88·0	−2·1	77·9	−2·1	83·0	−2·1	10·1	91·5	30th	73·4	1st	18·1
	Goa . .	199	29·720	+·006	29·859	29·780	21st	29·680	29th	·100	81·5	86·3	−2·9	78·5	−0·4	82·4	−1·7	7·8	89·0	30th	73·5	1st, 2nd	15·5
	Karwar . .	44	29·885	+·025	29·663	29·941	21st	29·843	29th	·098	79·6	88·3	−1·7	75·5	−2·4	81·9	−2·1	12·8	90·3	30th	69·5	1st	20·8
33	Cochin . .	10	29·911	+·010	29·849	29·965	11th	29·877	3rd & 8th.	·088	85·5	93·5	+2·0	80·6	+2·2	87·1	+2·1	12·9	95·3	26th	73·2	27th	22·1
	Calicut . .	27	29·898	+·016	29·854	29·951	21st	29·857	28th	·094	84·7	92·2	+0·9	79·6	+1·7	85·9	+1·3	12·6	94·4	17th, 24th	76·7	1st, 3rd & 30th.	17·7
	Mangalore .	65	29·864	+·019	29·861	29·919	21st	29·822	8th	·097	83·9	89·8	−1·3	79·1	+0·4	84·5	−0·5	10·7	91·7	24th	75·4	1st, 2nd & 5th.	16·3
	Trivandrum .	198	29·720	+·025	29·849	29·769	11th	29·684	28th	·085	83·1	90·0	+2·5	79·7	+1·4	84·9	+2·0	10·3	91·5	2nd, 19th, 22nd.	76·0	30th	15·5

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 the figure columns Nos.

I—*continued.*

in India, Burma, etc., in April, 1906—continued.

Wind Direction. Number of winds from										Wind velocity.				Hygrometry, 8 h.				Cloud.		Rainfall.								Station.
Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	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 h.	Departure from normal.	Mean vapour tension at 8 h.	Departure from normal.	Mean cloud amount at 8 h.	Departure from normal.	Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st Dec. 1905 to 30th April 1906.	Normal rainfall for period, 1st Dec. to 30th April.	Departure from normal of period, 1st Dec 1905 to 30th April 1906.	Heaviest rainfall during month.	
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
	3	2	1			1	10	13	N 54° W	5·2			4·5	42	− 5	·477	−·065	0·9	−0·6	0	0·10	−0·10	0	0	0	0·39	0·30	+ 0·09	0	Ahmedabad
2	7	3	1		1	7	6	3	N 61° W	6·8	9·4	−28		39	− 1	·401	−·056	0·4	−0·8	0	0	0	0	0·01	−0·01	1·32	0·34	+ 0·98	0	Deesa.
2		2		2		17		7	S 63° W	5·7	4·7	+21	6·7	30	− 5	·314	−·081	1·2	0	0	0·40	−0·40	0	0·13	− 0·13	2·08	1·50	+ 0·58	0	Agra.
3	4	1			1	6	9	6	N 78° W	6·0	4·2	+43	7·3	54	P	·692	P	0·2	−0·7	0	0·50	−0·50	0	0·12	−0·12	1·27	1·65	− 0·38	0	Jhansi.
														33	−9	·403	−·147	0·8	−1·3				0·03	0·50	−0·47					IX.—Deccan.
13	3	3				1	5	5	N 42° W	12·2	13·1	− 7		43	−19	·417	−·147	1·0	−1·5	2	3·80	−1·80	0·44	1·90	−1·46	2·73	2·52	+ 0·21	0·29	Belgaum.
	8	8	2					12	N 2° W	10·2	8·2	+24	10·1	22	−17	·284	−·188	1·0	−1·6	0	1·10	−1·10	0	0·43	− 0·43	0·99	1·22	− 0·23	0	Sholapur.
11						4	14	1	S 83° W	11·1*	9·9	+12		32	− 9	·323	−·103?	0·3	−1·6	0	1·40	−1·40	0	0·68	− 0·68	0·45	1·01	− 0·56	0	Poona.
	3					1	8	18	N 55° W	8·3			9·0	43	−17?	·539	−·119?	1·3	−1·0	0	2·20	−2·10	0	0·80	− 0·80	0·12	1·39	− 1·27	0	Bijapur.
	4					1	10	15	N 57° W	8·9	7·7	+16	10·2	27	−26?	·327	−·324	0	−2·0	0	0·30	−0·30	0	0·10	− 0·10	0·02	0·54	− 0·52	0	Malegaon.
	8			1				21	N 32° W	9·4			11·5	19	−36?	·229	−·402?	0	−1·6	0	0·60	−0·60	0	0·33	− 0·33	0·40	1·56	− 1·16	0	Ahmednagar.
1	1		1	1		1	11	14	N 65° W	6·4	5·4	+19	5·6	25	− 5	·329	−·049?	1·0	−0·9	0	0·50	−0·50	0	0·20	− 0·20	1·17	1·88	− 0·71	0	Akola.
6	1	3	2	1		4	6	7	N 63° W	5·0	4·4	+14	4·5	15	−20	·210	−·233	0·5	−1·6	0	0·80	−0·80	0	0·23	− 0·23	0·65	1·68	− 1·03	0	Amraoti.
6	3	2					4	15	N 41° W	6·5	5·6	+16	6·5	22	− 8	·280	−·080?	0·3	−1·1	0	0·30	−0·30	0	0·13	− 0·13	0·09	0·99	− 0·90	0	Khandwa.
4		4	2		7	10	2	1	S 26° W	2·9	2·9	0	3·0	36	− 2	·414	P	0	−1·7	0	0·30	−0·30	0	0·15	− 0·15	0·33	1·39	− 1·06	0	Hoshangabad.
3	12	1	1	2	1	2	3	5	N 22° W	5·8	6·7	−13	4·6	20	−16	·277	−·190	0·2	−2·3	0	1·10	−1·10	0	0·48	− 0·48	3·05	2·25	+ 0·80	0	Nagpur.
11	4		1	2	4	2	2	4	W	4·4	3·8	+16	3·9	23	−22	·311	−·242	0·8	−1·6	0	1·80	−1·80	0·01	0·59	− 0·58	2·26	2·91	− 0·65	0·01	Chanda.
2	11	9		2	1	1		4	N 14° E	6·0	3·8	+58	5·0	35	− 4	·310	−·134	0·7	−1·4	0	1·30	−1·30	0	0·39	− 0·39	2·71	2·91	− 0·20	0	Seoni.
2	1	1		7	5	5	7	2	S 32° W	2·9	3·5	−17	2·6	30	− 5	·311	−·079	0·5	−1·1	0	0·60	−0·60	0	0·15	− 0·15	3·65	2·19	+ 1·46	0	Jubbulpore.
1	2	3	2	2		7	8	5	N 83° W	6·9	3·7	+86	6·1	16	−14	·187	−·164	0·3	−1·0	0	0·30	−0·30	0	0·09	− 0·09	0·79	2·13	− 1·34	0	Saugor.
7						3	15	5	N 86° W	4·0	6·8	−41	3·7	32	+ 6	·379	+·063	1·9	+0·9	0	0·20	−0·20	0	0·11	− 0·11	2·13	2·54	− 0·41	0	Sutna.
11		1			1	10	6	1	S 63° W	4·2	5·9	−29	5·0	32	− 5	·405	−·051	0·2	−2·3	0	1·40	−1·40	0	0·53	− 0·53	5·51	1·98	+ 3·53	0	Raipur.
6	6		2	1	2	1	1	11	N 33° W	5·5			4·7	23		·273		0·6		0			0			7·66			0	Pendra.
	1	6	5	8	3	5	2		S 52° E	3·9	2·6	+50	3·8	44	− 7	·505	−·105	1·4	−0·8	0	1·50	−1·50	0	0·60	− 0·60	7·75	2·70	+ 5·05	0	Sambalpur.
5	7	2	1		2	2	8	3	N 52° W	12·5			12·4	39*		·467*		0·4		0	0·60	−0·60	0	0·22	− 0·22	1·67	1·20	+ 0·47	0	Aurangabad
7		8				1		11	N 18° W	4·3			3·6	55		·778		1·3		0	1·40	−1·40	0·04	0·49	− 0·45	0·92	1·48	− 0·56	0·04	Indur.
	13	1	1	1	4	4	3	3	N 37° W	5·4			4·5	27		·354		2·5		0	2·60	−2·60	0	0·98	− 0·98	2·83	2·20	+ 0·63	0	Bidar.
7	4	8	1			1	1	8	N 4° W	10·9			9·6	57	+ 7	·797	P	0·5	−2·0	0	2·20	−2·20	0·03	1·05	− 1·02	1·13	1·93	− 0·80	0·03	Gulbarga.
1				6	1	9	12	1	S 54° W	9·7			9·2	43	−10	·563	−·072	1·8	−0·9	0	1·20	−1·20	0	0·66	− 0·66	1·36	1·34	+ 0·02	0	Raichur.
21			1	1		1	2	4	N 69° W					43	−13	·534	−·101	1·6	−0·6	0			0·13	0·67	− 0·54	3·44	1·63	+ 1·31	0·08	Hyderabad (Deccan).
6	1		1	16	4	1	1		S 35° E	9·5*			8·4	57		·677		1·8		0	1·30	−1·30	0·12			1·38			0·08	Hanumkonda
														75	−1	·834	−·023	3·0	−0·9				0·78	2·00	−1·22					X.—West Coast.
	8	5	4	1	3	1		8	N 8° E	10·2	11·3	−10		76	+ 1	·790	−·042	1·2	−1·9	0	0·10	−0·10	0	0·07	− 0·07	0·15	0·27	− 0·12	0	Bombay.
7	8	6	1	7	1				N 58° E	11·6	11·1	+ 5	11·5	74	+ 3	·760	−·052	1·1	−1·9	0	0·10	−0·10	0	0·08	− 0·08	0·40	0·32	+ 0·08	0	Ratnagiri.
1	2	11	4	4	2	3	2	1	N 70° E	8·7				76	+ 1	·839	−·048	3·9	+0·1	0			0·05	1·04	− 0·99	0·65	1·09	− 0·44	0·05	Mormugao.
3	4	6	4	1	3	3	3	3	N 22° E	9·2				74	0	·794	−·072	3·4	0	0			0	0·32	− 0·32	0·31	0·63	− 0·32	0	Goa.
11	7	9	1			2			N 27° E	4·0				80	+ 2	·816	−·014	2·3	−1·0	0	0·90	−0·90	0	0·55	− 0·55	0·09	0·73	− 0·64	0	Karwar.
2	3	15	3	1	1		2	3	N 36° E	6·7				73	− 6	·889	−·002	4·1	−0·4	3	7·00	−4·00	2·86	5·20	− 2·34	5·15	10·42	− 5·27	2·38	Cochin.
6	10	3	3	2				6	N 11° E					74	− 4	·881	+·010	3·1	−1·8	1	5·10	−4·10	0·94	4·38	− 3·44	1·56	6·27	− 4·71	0·89	Calicut.
16	1	3	7	1			1	1	N 69° E	4·7	3·7	+27		75	− 1	·875	+·012	4·4	−0·1	0	2·30	−2·30	0	1·65	− 1·65	0	2·25	− 2·25	0	Mangalore.
6	3	1	1				1	18	N 36° W	5·6				76	− 3	·864	+·003	3·5	−0·8	3	7·10	−4·10	3·17	4·74	− 1·57	5·74	10·03	− 4·29	2·48	Trivandrum.

station, the data for that station are not utilized in calculating the provincial departures from normal.
42 and 44 are derived are incomplete.

* Mean 29 days.

Table

Abstract of Observations taken at 8 h. at 231 Stations

Number of rainfall division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 h., in inches.								Temperature of air.											
			Mean 8 h. pressure reduced to 32°.	Departure from normal.	Mean 8 h. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 h. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	XI.—South India.			+·001								99·0	+3·1	76·8	+1·5	88·4	+2·3	22·2					30·5
57	Pamban	37	29·868	+·010	29·832	29·921	11th	29·832	9th	·089	85·4	92·8	+1·9	81·5	+2·5	87·2	+2·2	11·3	95·8	25th & 26th.	78·2	6th & 12th.	17·6
	Tinnevelly	168	29·743	+·022	29·841	29·802	11th	29·704	8th	·098	86·0	102·4	+4·4	79·0	+0·4	90·7	+2·4	23·4	106·0	22nd	75·9	13th	30·1
	Madura	447	29·462	+·018	29·842	29·517	11th	29·424	9th	·093	84·8	101·6	+2·3	77·6	+1·2	89·6	+1·8	24·0	104·5	20th, 21st & 22nd.	73·0	27th	31·5
	Periyakulam	944	28·961		29·841	29·018	11th	28·918	9th	·100	82·2	101·4		73·3		86·5		28·1	104·2	20th	67·0	13th	37·2
34	Salem	940	29·006	+·020	29·882	29·048	11th	29·958	8th	·090	84·9	104·4	+3·7	79·0	+3·2	91·7	+3·5	25·4	106·7	22nd	71·4	12th	35·3
	Coimbatore	1,348	28·561	+·004	29·854	28·615	11th	28·520	9th	·095	80·3	100·5	+3·1	73·8	+1·4	87·7	+2·3	25·7	104·4	10th	71·8	12th & 13th.	32·6
35	Mercara	3,781	26·244	+·010	26·177	26·303	21st	26·212	3rd	·091	70·6	86·1	+2·2	63·9	−0·3	75·0	+1·0	22·2	90·0	2nd & 28th.	58·1	30th	31·9
36	Chitaldroog	2,405	27·519	+·007	29·835	27·579	11th	27·486	9th	·093	81·2	100·4	+4·6	74·3	+2·5	87·4	+3·6	26·1	102·2	14th, 16th & 26th.	71·9	7 days	30·3
6	Bangalore	3,021	26·946	+·004	29·855	26·999	11th	26·911	9th	·088	77·7	97·1	+3·9	71·0	+1·8	84·1	+2·9	26·1	99·3	6th	67·3	12th	32·0
	Hassan	3,091	26·889	+·015	29·863	26·940	11th & 21st.	26·858	6th	·082	77·8	97·9	+6·9	67·2	+0·7	82·6	+3·8	30·7	99·4	7th	64·0	28th	35·4
	Mysore	2,518	27·436	+·012	29·872	27·489	11th	27·402	8th	·087	78·3	98·4	+4·4	71·5	+1·2	85·0	+2·8	26·9	101·0	17th	70·0	13th, 14th & 24th.	31·0
56	Negapatam	31	29·865	−·003	29·824	29·929	11th	29·833	19th	·096	85·3	94·9	+2·4	81·3	+2·3	88·1	+2·4	13·6	101·4	20th & 21st.	76·0	12th	25·4
	Cuddalore	37	29·862	+·007	29·829	29·926	11th	29·813	19th	·113	84·8	95·0	+2·2	78·3	+1·5	86·7	+1·9	16·7	102·7	20th	72·2	12th	30·5
	Trichinopoly	255	29·657	+·013	29·843	29·718	11th	29·616	9th	·102	86·3	103·1	+2·0	78·2	+0·7	90·7	+1·4	24·9	107·2	20th & 21st.	71·9	12th	35·3
	Pudukkottai	318	29·597		29·847	29·656	11th	29·556	9th	·100	84·2	101·5		78·6		90·1		22·9	104·5	20th	74·6	2nd & 12th.	29·9
	Madras	22	29·873	−·004	29·825	29·938	11th	29·823	19th	·115	85·2	95·1	+2·0	77·9	+0·8	86·5	+1·4	17·2	101·5	21st	72·0	12th	29·5
	Vellore	707	29·188		29·834	29·228	11th	29·139	9th	·089	83·9	102·3		75·6		88·9		26·7	107·3	20th & 21st.	67·7	12th	39·6
55	Nellore	52	29·801	−·005	29·796	29·867	11th	29·741	19th	·126	84·3	102·7	+1·8	77·5	+0·1	90·1	+1·0	25·2	103·8	20th & 21st.	74·1	1st	34·7
	Masulipatam	15	29·861	−·006	29·810	29·920	11th	29·784	19th	·136	86·7	96·7	+1·8	78·0	+0·5	87·4	+1·2	18·7	105·7	20th	73·6	15th	32·1
54	Cuddapah	433	29·427	−·008	29·791	29·464	11th	29·388	8th	·096	91·3	109·2	+4·0	83·8	+3·0	96·5	+3·5	25·4	112·8	18th	78·9	3rd	33·9
	Kurnool	928	28·919	−·023	29·771	28·970	11th	28·887	16th	·083	88·8	108·2	+4·6	82·7	+4·7	95·5	+4·7	25·5	110·8	22nd	78·8	1st, 7th & 26th.	32·0
	Bellary	1,475	28·389	−·010	29·795	28·439	11th	28·353	8th	·086	85·9	107·4	+4·0	79·8	+2·7	93·6	+3·4	27·6	109·5	11th	75·2	19th	34·3
52	Cocanada	26	29·859	−·004	29·821	29·922	11th	29·795	19th	·127	85·1	99·3	+3·7	79·3	+1·0	89·3	+2·4	20·0	102·6	29th	76·0	2nd	26·6
	Waltair (Vizag.)	*296*	29·635	−·012	29·802	29·695	4th	29·561	19th	·134	84·4	90·9	P	78·6	P	84·8	P	12·3	96·9	13th	75·9	1st	21·0
	Gopalpur	72	29·737	−·028	29·751	29·788	10th	29·675	19th	·113	80·1	86·4	−1·3	76·8	−0·7	81·6	−1·0	9·6	87·7	11th	74·0	11th	13·7
	XII.—Hill Stations.																						
48	Pishin											71·8		44·2		58·0		27·6	81·3	30th	31·0	10th	50·3
	Quetta	5,502	24·634	+·002	24·594	24·763	17th	24·469	7th	·294	57·4	71·2	−3·0	43·8	−2·5	57·5	−2·8	27·4	80·2	30th	31·3	9th	48·9
	Kalat										52·2	69·5	−6·6	32·2	−5·2	50·9	−5·9	37·3	79·0	14th	12·9	9th	66·1
	Chaman	4,311	25·701	+·005	25·663	25·855	17th	25·478	7th	·377	59·9	73·8	−7·8	49·9	−8·1	61·9	−8·0	23·9	85·3	30th	30·1	12th	55·2
30	Leh	11,503	19·672	−·058	19·640	19·802	13th	19·531	19th	·271	37·8	54·1	−3·0	30·7	−0·2	42·4	−1·6	23·4	62·1	8th	22·4	2nd	39·7
	Srinagar	5,204	24·875	−·034	24·846	24·998	12th	24·721	9th	·277	49·7	64·1	−4·1	45·2	−0·2	54·7	−2·2	18·9	72·1	24th	39·6	28th	32·5
	Sonemarg	*8,764*	21·780		21·748	21·869	12th	21·679	19th	·190	34·7	46·7		29·8		38·3		16·9	55·4	22nd & 28th.	18·1	2nd	37·3
	Astor (Kashmir)	7,955																					
	Minimarg	*9,359*																					
	Skardu	*7,505*	22·835		22·805	23·057	12th	22·688	8th	·369	47·4	58·3		40·9		49·6		17·4	64·4	24th	31·1	5th	33·3
	Dras	*10,059*	20·770		20·738	20·936	12th	20·648	19th	·288	31·0	41·5		22·6		32·1		18·9	46·3	30th	7·6	2nd	38·7
	Gilgit	4,890	25·114		25·086	25·369	12th	24·924	8th	·445	57·2	68·6	−4·1	52·1	−1·9	60·4	−3·0	16·5	81·8	1st	45·7	10th & 12th.	36·1
32	Chitral	*5,486*									50·7	65·7		44·9		55·3		20·8	73·1	30th	40·0	11th, 18th & 24th.	34·1
	Killa Drosh	4,700 P									51·8	66·4		46·2		56·3		20·2	75·3	30th	29·1	9th	46·2
	Para Chinar	6,000	24·391		24·358	24·532	12th	24·242	8th	·290	54·1	65·8		45·3		55·6		20·5	73·1	30th	39·4	9th & 12th.	33·7

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

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

Note 2.—The data from which divisional means of the figure columns Nos. 40, 42 and 44 are

Note 3.—The barometric readings are not reduced to sea-level in the cases of hill or plateau

I—*continued.*

in India, Burma, etc., in April, 1906—continued.

Wind Direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	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 h. Mean humidity at 8 h.	Departure from normal.	Mean vapour tension at 8 h.	Departure from normal.	Cloud. Mean cloud amount at 8 h.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st Dec. 1905 to 30th April 1906.	Normal rainfall for period, 1st Dec. to 30th April.	Departure from normal of period, 1st Dec. 1905 to 30th April 1906.	Heaviest rainfall during month.	Stati
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
														69	—2	·810	—·003	2·6	—1·2				0·14	1·43	—1·29					XI.—South In
4			5	4	10	7			S 9° E	8·0			8·5	79		·956		2·8		0	3·30	—3·30	0·09	2·40	— 2·31	7·78	15·49	— 7·71	0·09	Pamban
10	3	4	2	3	1	1	4	2	N 15° E	4·3			4·1	65	— 6	·806	—·031	3·9	—0·9	4	3·70	+0·30	2·03	3·28	— 1·25	3·48	10·56	— 7·08	1·02	Tinnevel
5	3	7	4	2	2	2	1	4	N 41° E	4·5	3·6	+25	5·2	71	0	·854	+·021	3·3	—0·7	1	3·30	—2·30	0·50	2·25	— 1·75	1·26	5·34	— 4·08	0·50	Madura.
25	2	1			1			1	N	2·4			2·6	61		·675		1·9		1	4·70	—3·70	0·18	2·69	— 2·51	7·89	7·58	+ 0·31	0·11	Periyaku
15			1		2	10	2		S 42° W	5·2	5·0	+ 4	4·6	85	+14	1·031	?	1·8	—1·7	0	3·10	—3·10	0	1·84	— 1·84	1·40	4·37	— 2·97	0	Salem.
12	3	1	1		4	9			S 35° W	4·9	3·5	+40	4·5	72	—10?	·757	—·060	2·1	—2·4	0	3·50	—3·50	0	1·69	— 1·69	0·75	3·94	— 3·19	0	Coimbat
12	2	1				1	4	10	N 51° W	2·8	3·8	—26	2·6	76	— 2	·569	—·017	3·7	—0·5	3	5·70	—2·70	1·49	2·67	— 1·18	4·09	4·15	— 0·06	0·93	Mercara
	2			1	14	10	3		S 73° W	6·9			6·0	58	— 5	·613	—·015	0·7	—2·2	0	2·50	—2·50	0	1·97	— 1·97	1·24	2·48	— 1·24	0	Chitaldro
			1	7	16	6			S 41° W	8·2	3·5	+134	7·3	67	— 5	·637	—·012	1·9	—1·4	0	2·40	—2·40	0·09	1·26	— 1·17	1·85	2·45	— 0·60	0·07	Bangalor
4	1		2	3	4	11	5		S 79° W	3·5			3·1	66	— 7	·629	—·006	2·5	—1·9	1	4·80	—3·80	0·19	3·10	— 2·91	0·22	3·72	— 3·50	0·19	Hassan.
				3	17	9			S 57° W	8·7			9·4	72	— 2	·691	+·021	4·4	0	0	4·30	—4·30	0·10	3·00	— 2·90	0·85	3·62	— 2·77	0·08	Mysore.
2			6	12	7	3			S 10° W	11·5	5·2	+121	10·9	72	— 3	·891	—·017	4·1	—0·4	0	1·20	—1·20	0	0·56	— 0·56	2·59	15·82	—13·23	0	Negapat
7			2	17	4				S 4° W	6·1			7·6	76	— 5	·918	—·049?	1·9	—2·5	0	1·00	—1·00	0	0·83	— 0·83	3·68	10·83	— 7·15	0	Cuddalor
9		1	2	6	8	4			S 29° W	3·5	4·0	—13		67	— 1?	·846	+·042	3·0	—1·2	0	2·10	—2·10	0	2·06	— 2·06	5·39	6·29	— 0·90	0	Trichino
5	3	1		2	7	8	1	3	S 41° W	7·5			8·8	75		·888		5·1		0			0·17			3·10			0·09	Pudukko
				4	23	3			S 1° E	8·8	7·9	+11		77	+ 3	·946	+·051	3·4	—1·0	0	1·10	—1·10	0	0·40	— 0·40	5·39	7·38	— 1·99	0	Madras.
22	1	1	1					5	N 22° W	4·0			4·0	67		·774		1·2		0	1·20	—1·20	0	0·71	— 0·71	8·08	4·40	+ 3·68	0	Vellore.
				11	18	1			S 15° E	9·4				69	— 6	·813	—·092	2·6	—1·5	0	0·30	—0·30	0	0·40	— 0·40	7·92	2·77	+ 5·15	0	Nellore.
7			7	14	2				S 10° E	10·2	8·8	+16	9·0	82	+ 1	1·048	+·069?	3·2	—0·8	0	0·50	—0·50	0	0·47	— 0·47	0·14	1·66	— 1·52	0	Masulipa tam.
	2	3	5	1	9	7	3		S 46° W					54	— 1	·800	+·069	1·8	—0·8	0	0·70	—0·70	0	0·54	— 0·54	2·45	1·95	+ 0·50	0	Cuddapa
1		3	1	15	2	7	1		S 18° W	7·0				55	+ 1	·744	+·078	1·7	— 0·5	0	1·70	—1·70	0	0·94	— 0·94	0·70	1·56	— 0·86	0	Kurnool.
4	2	1	1	3	4	8	7		N 88° W	5·9	5·2	+13	5·2	41	—12	·509	—·120	1·5	—1·4	0	1·90	—1·90	0	0·74	— 0·74	0·55	1·10	— 0·55	0	Bellary.
11		1	1	2	13	2			S 41° W	6·2			5·2	80	+ 6	·974	+·104	5·2	+1·4	0	0·70	—0·70	0	0·35	— 0·35	2·40	2·10	+ 0·30	0	Cocanada
				1	26	3			S 48° W	19·4				66	— 9	·778	—·069	2·1	—1·6	0	0·90	—0·90	0·01	0·59	— 0·58	4·82	3·04	+ 0·78	0·01	Waltair (zag.)
				9	21				S 32° W	19·4	14·5	+34	19·0	86	+ 4	·871	—·013	0·5	—3·0	0	1·10	—1·10	0·01	0·69	— 0·68	2·50	2·69	— 0·19	0·01	Gopalpur
																														XII.—Hill Stati
																				1	1·90	—0·90	0·25	0·86	— 0·61	16·51	8·91	+ 7·60	0·11	Pishin.
14	2	3		2	3	1	1	4	N 31° W	3·2	4·8	—33	3·4	46	— 6	·219	—·063	1·7	—0·8	0	2·40	—2·40	0·25	1·07	— 0·82	12·81	7·96	+ 4·85	0·09	Quetta.
	10		1		16		3		S 18° W					49		·195				0	1·10	—1·10	0·13	0·22	— 0·09	10·54	3·75	+ 6·79	0·08	Kalat.
10	4	2	10	2	1			1	N 73° E	7·9			8·7	65	+12	·337	+·029	2·0	—0·4	0	1·60	—1·60	0·17	0·43	— 0·26	11·57	5·71	+ 5·86	0·08	Chaman.
26		1			3				S 17° E	3·7				42	— 6	·097	—·013	6·7	+1·2	1	0·70	+0·30	0·19	0·16	+ 0·03	0·80	1·23	— 0·43	0·16	Leh.
12	2	2		4	5	1	1	3	S 8° E	4·5			4·2	85	+ 1	·304	—·029	6·1	+1·6	7	6·80	+0·20	2·67	2·69	— 0·02	17·76	13·03	+ 4·73	0·52	Srinagar.
15	1		3	4	1			1	S 79° E	2·3			2·1	86		·171		7·2		21			11·69			73·76			1·75	Sonemarg
																														Astor (Kas
																														Minimarg.
3	2	3	2		1	6	12	1	S 88° W	7·4			7·5	62		·202		7·5		3	2·00	+1·00	0·71	2·65	— 1·94	4·11	7·42	— 3·31	0·17	Skardu.
24			3			2	1		S 25° E	2·9			2·3	92		·165		6·3		20	8·80	+11·20	8·68	3·85	+ 4·83	19·55	16·98	+ 2·57	1·80	Dras.
21			1	1		2	4	1	S 72° W	4·2			3·7	52	+ 2	·236	—·008	7·2	+2·0	2	2·80	—0·80	0·90	1·15	— 0·25	1·56	2·20	— 0·64	0·40	Gilgit.
25		1		1	1	1	1		S 8° W	3·8*			3·4*	75		·277		3·5		10			4·85			11·13			1·50	Chitral.
21			5	2		2			S 59° E					73		·280		3·4		10			6·91			10·76			2·25	Killa Dro
25			2				3		W	5·7			5·2	56		·237		4·0		9	8·50	+0·50	4·04	3·19	+ 0·85	14·99	11·30	+ 3·69	1·44	Para Chin

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

derived are incomplete.

stations, the elevations of which exceed 3,208 feet.

* Mean o 29 days.

Table

Abstract of Observations taken at 8 h. at 231 Stations

Number of rainfall division.	Station.	Elevation of barometer above sea-level, in feet.	Pressure, 8 h., in inches.								Temperature of air.												
			Mean 8 h. pressure reduced to 32°.	Departure from normal.	Mean 8 h. pressure reduced to sea-level and to constant gravity at 45° Lat. (See note 3.)	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 h. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
32	Cherat	*4,256*	25·653	−·020	25·621	25·787	12th	25·507	19th	·280	60·5	71·1	−4·4	55·2	−2·7	63·2	−3·6	15·9	79·3	30th	46·5	1st	32·8
29	Murree	6,333	23·806	−·027	23·774	23·916	12th	23·689	19th	·227	56·4	62·2	−6·6	46·6	−5·7	54·4	−6·2	15 6	72·0	14th	35·0	1st	37·0
	Kailang	*10,087*	20·965		20·920	21·011	2nd	20·927	23rd	·084	37·6	48·0	−5·0	31·5	+0·3	39·8	−2·4	16·5	54·6	11th	22·0	3rd	32·6
	Poo*											57·1		41·2		49·2		15·9	66·2	14th	35·7	1st	30·5
	Simla	7,224	23·091	−·018	23·053	23·171	10th	22·967	19th	·204	58·2	65·3	+0·1	51·6	−0·6	58·5	−0·3	13·7	70·6	16th	41·3	1st	29·3
	Sarain		23·146			23·240	11th	23·020	19th	·220	57·3	66·6		42·5		54·6		24·1	76·0	14th	35·6	nd	40·4
	Chakrata	7,022	23·259	−·031	23·219	23·343	10th	23·122	19th	·221	59·6	70·1	−0·2	52·8	+0·7	61·5	+0·3	17·3	74·8	14th	41·0	1st	33·8
125	Ranikhet	6,069	24·062	−·027	24·021	24·199	11th	23·929	19th	·270	63·9	76·1	+1·3	57·7	+0·6	66·9	+1·0	18·4	84·0	14th	43·0	1st	41·0
	Muktesar	7,600	22·803		22·761	22·939	11th	22·669	19th	·270	59·1	71·4		51·8		61·6		19·6	81·3	14th	37·9	1st	43·4
13	Yatung	10,480										56·0		36·9		46·4		19·1	66·1	12th	31·1	2nd	35·0
	Darjeeling	7,376	22·971	−·033	22·926	23·039	11th	22·838	18th	·201	56·9	63·8	+1·6	50·4	+1·5	57·1	+1·6	13·4	70·2	29th	44·1	1st	26·1
8	Shillong	4,920	25·057		25·009	25·122	1st & 14th	24·955	18th	·167	65·3	74·9		59·0		67·0		15·9	83·7	30th	50·0	4th	33·7
	Cherra Poonjee	4,309	25·645		25·596	25·695	14th	25·538	18th	·157	63·7	71·6		60·1		65·9		11·5	75·7	13th & 18th	52·0	6th	23·7
50	Mount Abu	3,945	26·052	−·001	26·002	26·127	12th	25·983	19th	·144	73·7	82·1	−3·6	67·8	−1·3	75·0	−2·5	14·3	89·2	30th	58·4	11th	30·8
42	Pachmarhi	3,528	26·446	+·002	26·393	26·500	11th	26·398	4th	·102	80 1	93·6	+1·1	69·5	−0·1	81·6	+0·5	24·1	98·2	30th	57·2	4th	41·0
34	Wellington	6,200	24·282	+·015	24·214	24·332	11th	24·250	3rd & 28th	·082	65·7	78·3	+2·4	55·1	−0·8	66·7	+0·8	23·2	82·2	18th	50·2	2nd	32·0
	Ootacamund	*7,322*	23·040		22·976	23·076	11th	22·999	3rd	·077	64·5	72·8		51·9		62·3		20·9	75·0	14th & 18th,	45·7	2nd	29·3
57	Kodaikanal	7,688	22·876		22·811	22·924	11th	22·841	27th	·083	63·1	73·9		54·8		62·1		19·1	77·3	18th	50·8	1st	26·5
	XIII.—Extra India.																						
	Trincomalee	12	29·908	+·037	29·846	29·958	11th	29·865	28th	·093	82·3	93·4	+2·4	78·5	+0·9	86·0	+1·7	14·9	97·5	17th	77·0	9th & 13th	20·5
	Colombo	40	29·878	−·003	29·844	29·925	21st	29·835	28th	·090	82·6	90·3	+1·4	78·3	+2·3	84·3	+1·9	12·0	92·5	22nd & 25th	75·0	3rd, 28th & 29th.	17·5
	Meshed	3,104	(c) 27·520			28·050	16th	27·150	1st	·900	53·5	61·2		42·1	−6·0	51·8		19·2	79·5	29th	32·5	16th	47 0
	Teheran (b)	*4,002*	25·880			26·180	16th	25·610	1st	·570	50·6	64·2	−7·0	44·3	−5·4	54·2	−6·2	19·9	81·5	27th	29·7	7th	51·8
	Ispahan (b)	*5,817*	24·263			24·450	16th	24·040	6th	·410	47·9	63·5	−9·6	41·8	−3·9	52·7	−6·8	21·7	81·4	28th	30·7	8th	50·7
	Bushire	14	29·930	+·039	29·903	30·048	7th	29·751	12th	·297	69·3	77·0	−4·6	64·8	−1·9	70·9	−3·3	12·2	90·1	18th	53·8	8th & 9th.	36·2
	Bahreint	18	29·978		29·949	30·134	9th	29·815	13th	·319	74·9	79·3		68·3		73·8		11·0	86·6	12th	57·3	10th	29·2
	Jask	13	29·920	+·038	29·890	30·060	11th	29·829	5th	·231	75·2	83·1	−4·1	70·8	−2·5	77·0	−3·3	12·3	89·8	7th	65·2	12th	24·6
	Muscat	20	29·906	+·037	29·874	30·052	11th	29·819	29th	·233	78·8	86·1	+0·3	75·5	−5·0	80·8	−2·4	10·6	95·8	26th	66·1	11th	29·7
	Baghdad	220	29·809	−·039	30·011	29·954	8th	29·486	11th	·468	64·9	82·4	+0·8	56·7	−0·1	69·6	+0·4	25·7	95·3	26th	43·8	6th	51·5
	Busrah	25	29·937			30·066	8th	29·767	12th	·299		76·4		63·4		69·9		13·0	87·3	28th	52·3	7th	35·0
	Aden	94	29·878	+·037	29·903	29·964	4th	29·814	27th & 29th	·150	81·1	87·7	−1·4	78·6	+1·3	83·2	−0·1	9·1	92·3	18th	70·9	1st	21·4
	Perim	201	29·729	+·041	29·865	29·772	16th	29·686	27th	·086	82·5	88·9	+0·2	79·3	+0·5	84·2	+0·4	9·6	90·9	21st	77·4	7th	13·5
	Kahal		24·226		24·195	24·341	11th	24·098	8th	·243	52·6	66·5	−4·9	40°5*	−4·7	53·6*	−4·8	26·0	78·2	30th	31·9	20th	46·3
	Kashgar	4,255	25·522a			25·870	21st	25·220	8th	·650	55·5	71·3	−0·2	47·2	−1·8	59·2	−1·1	24·1	76·5	15th & 17th	36·5	18th	40·0
	Amini Divi	*13*																					
	Minicoy	7	29·933		29·866	29·989	21st	29·889	28th	·100	84·8	89·8	+0·1						93·4	24th			
	Zanzibar	72	29·954	+·017	29·953	30·005	21st	29·854	3rd	·151	78·8	84·3	−0·5	76·5	−1·1	80·4	−0·8	7·8	90·0	9th	72·7	2nd	17·3
	Do. Dunga (c)	*154*	29·879		29·962	29·937	22nd	29·784	3rd	·153	76·0	84·5		72·9		78·7		11·6	91·3	7th	70·5	20th	20·8
	Penang (a)	20	29·916		29·860	29·940	19th & 23rd	29·888	8th	·052	83·1	89·7		75·2		82·5		14·5	93·0	1st	73·0	19th, 19th & 23rd.	20·0
	Singapore (a)	10	29·946		29·877	29·993	20th	29·907	5th	·086	84·5	89·4		75·8		82·6		13·6	92·8	16th	74·0	28th	18·8

(a) 9 hours' observations.
(b) Aneroid uncorrected.
(c) Aneroid corrected.

* Mean of 29 days.
† " " 27 "

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

N.B.—Elevations in italics indicate barometrical determinations.
(c) Observation of 19 days.

I—*concluded.*

in India, Burma, etc., in April, 1906—concluded.

Wind Direction. Number of winds from										Wind Velocity.				Hygrometry, 8 h.				Cloud.		Rainfall.								Heaviest rainfall during month.	Station
Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	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 h.	Departure from normal.	Mean vapour tension at 8 h.	Departure from normal.	Mean cloud amount at 8 h.	Departure from normal.	Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st Dec. 1905 to 30th April 1906.	Normal rainfall for period, 1st Dec. to 30th April.	Departure from normal of period, 1st Dec. 1905 to 30th April 1906.		
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
1	14	1		1	4	2		7	N 20° W	13·9			13·5	44	− 4	·230	−·047	3·8	+0·6	3			0·62	2·22	− 1·60	18·33	12·39	+ 5·94	0·21	Cherat.
13	2		3	2	9			1	S 26° E	6·9	8·7	−21	7·5	45	− 1	·203	−·022	4·4	+0·3	5	5·90	−0·90	2·10	3·35	− 1·25	43·57	16·05	+27·52	0·73	Murree.
			1	6	2	9	11	1	S 47° W	1·5				68		·154		3·3		0			0	2·96	−2·96	1·69 (d)	13·56	−11·87	0	Kallang.
23				4	1		1		S 27° E									4·1		3			1·09	1·72	− 0·63	8·37	14·01	− 5·64	0·49	Poo.
1	11	3		4	8			3	N 33° E	5·2	2·9	+79	5·0	37	− 3	·177	−·020	1·7	−1·5	2	3·10	−1·10	0·42	1·70	− 1·28	17·77	10·71	+ 7·06	0·20	Simla.
13	4	3	1		2	3	3	1	N 45° W	3·0			2·9	40		·182		2·6		3			0·80			26·40			0·30	Sarain.
11	14	3			2				N 8° E	7·2	6·1	+18	8·6	39	− 4	·195	−·015	1·4	−1·2	2	3·90	−1·90	0·27	1·44	− 1·17	20·41	12·63	+ 7·58	0·16	Chakrata.
16		2			1	3	6	2	S 88° W	3·5	3·0	+17	4·0	40	− 8	·232	−·046	1·9	−0·4	2	2·80	−0·80	0·72	1·16	− 0·44	9·49	8·77	+ 0·72	0·56	Ranikhet.
8		1	4		1	2	14		S 80° W	10·8*			10·1*	82		·157		4·1		2			0·49			12·12			0·33	Muktesar.
																				15	12·67	+2·33	5·88	4·69	+ 1·19	12·45	8·71	+ 3·74	1·30	Yatung.
5	2	10	1	1		3	5	3	N 7° W	9·1			8·4	75	− 6	·347	−·002	4·5	−0·3	1	8·29	−7·29	0·44	4·34	− 3·90	6·49	7·84	− 1·35	0·22	Darjeeling.
9					11	10			S 21° W	5·5			6·2	61		·385		2·3		4	8·70	−4·70	1·63	4·29	− 2·66	7·79	7·71	+ 0·08	1·07	Shillong.
4					1	13	12		S 65° W	8·1			7·2	92		·542		8·4		23	17·00	+6·00	45·75	32·92	+12·83	59·20	49·87	+ 9·33	8·34	Cherra Poonjee.
	4	1	1			9	7	8	N 77° W	9·0	7·7	+17	9·1	21	− 8	·181	−·083	0·3	−0·7	0	0·30	−0·30	0	0·04	− 0·04	2·28	1·00	+ 1·28	0	Mount Abu.
1	1	7	2	1		1	2	15	N 20° W	7·0	5·2	+32	7·2	24	− 5	·209	−·096	0·2	−1·7	0	0·80	−0·80	0	0·25	− 0·25	1·19	2·17	− 0·98	0	Pachmarhi.
27		2	1						N 59° E	2·6	12·9	−10		71	+ 8	·431	+·014	0·6	−2·8	3	6·20	−3·20	0·62	3·40	− 2·78	13·02	12·07	+ 0·95	0·23	Wellington.
1	1	6	13	7	1	1			S 87° E	5·0			5·0	40		·241		2·8		2	7·10	−5·10	1·05	3·46	− 2·41	6·98	6·84	+ 0·14	0·71	Ootacamund.
	1	8	16	4				1	N 78° E	12·2				46		·260		2·3		5	7·00	−2·00	2·73	5·29	− 2·56	13·00	17·10	− 4·10	1·82	Kodaikanal.
																														XIII.—Extra India.
5					15				S 45° W	1·5													1·14	1·81	− 0·67	9·72	26·52	−16·80	0·72	Trincomalee.
	1	1	4	16	1	3	3	1	S 40° E	6·9	5·6	+23		85	+ 4	·940	+·013	2·3	−0·8	2			5·88	12·03	− 6·15	17·95	28·76	−10·81	1·63	Colombo.
														82	+ 4	·919	+·025	4·6	−0·2	8			2·90	1·78	+ 1·12	8·87	6·35	+ 2·52	1·20	Meshed.
														62		·250		4·1		4			1·52	1·18	+ 0·34		7·46		0·32	Teheran
4	13	5	1		2	2	1	1	N 4° E	3·5 †			3·0	75		·295		5·0		6			1·36	0·28	+ 0·68	4·42 (f)	2·34	+2·08	0·55	Ispahan
9			1	1	1	2	4	2	S 68° W	3·5			4·5	68	+ 3	·231	−·092	4·1	+1·4	4			0·56	0·53	+ 0·03	7·58	10·24	−2·66	0·34	Bushire.
3	5	3	4	4	1	1	2	7	N 10° E	12·5 **	9·1	+37	13·8 **	72	+10	·530	+·013	4·0	+1·6	1			0			3·59			0	Bahrein.
	7	5	1	1	2		3	8	N 12° W	11·7			10·0	70		·605		1·3		0			0			6·88	3·80	+3·08	0	Jask.
9	4	4		3				10	N 10° W	9·0			7·7	69	+ 3	·601	−·071	3·8	+2·8	0			0	0·03	−0·03	3·45	3·40	+0·05	0	Muscat.
2	1			5			1	11	N 45° W	5·0			5·2	67	+ 9	·694	+·049	1·9	+1·1	0			0	0·03	−0·03	2·99	7·75	−4·76	0·21	Baghdad.
4	5	1	1	1	1		4	3	N 34° W	3·6†	4·4	−18	4·8†	58	− 4	·357	−·045	2·3	+0·7	3			0·55	0·96	− 0·41	5·06			0·22	Busrah.
5	18		2		5				N 8° E											3			0·58			1·11	2·23	−1·12	0	Aden.
2	1	7	8	9	2	1			S 81° E	6·1	14·8	−59	4·9	74	0	·783	−·008	4·7	+1·3	0			0	0·38	−0·38	1·60	0·97	+0·63	0	Perim.
		1	20	3	1	1	1	3	S 87° E	?			?	70	− 6	·785	−·054	3·4	−0·9	0			0	0·02	− 0·02	1·87	2·24	−0·37	1·05	Kabul.
	3	8	5	2	3	2	2	5	N 40° E					59		·234		2·5	+1·4	4			0	0·12	−0·12	10·19	9·65	+0·54	1·05	Kashgar.
0	1		1					8	N 36° W	4·1			3·7	45	−1	·196	−·024	2·1	−2·9	0				2·58		0·53 (f)	0·90	−0·37	0	Amini Divi.
																										3·04				
	7	1		1		1	8	12	N 47° W	4·6			5·0	71	− 5	·849	−·032	3·9	−0·8	2			1·33	3·67	−2·34	2·99	11·75	−8·76	0·85	Minicoy.
		1		4	9	11	1	1	S 18° W	6·9 (h)			6·5 (h)	87	+ 1	·855	−·003	7·9	+1·6	17			22·20	10·39	+11·81	49·27	24·41	+24·86	3·22	Zanzibar.
				4			1	2	S 21° E	4·5			4·3	93		·834		8·1		P			28·37			63·25			P	Do. Dunga.
	6	3	10	2	5	.		4	N 67° E	11·5								2·0		18			15·47			33·88			4·66	Penang.
	1	4	2	6	2	6	7	2	S 35° W	4·4								4·5		10			5·46			50·46			1·27	Singapore.

plateau stations, the elevations of which exceed 3,300 feet.

† Mean of 27 days.

(f) Rainfall of December not received.

(h) Mean of 18 days.

** .. .. 25 ..

(d) Rainfall for the month of January wanting.

TABLE II.—Abstract of Observations recorded at 10 h. and 16 h. at 62 Stations in India, Burma, etc., in April, 1906.

Ta

Abstract of Observations recorded at 10 h. and 1

Meteorological Province.	Station.	Elevation of bar-cistern above sea-level in feet.	Pressure.						Temperature of Air.										Temperature of Wet-bulb.		
			Mean of 10 h.	Mean of 16 h.	Mean daily range.	Mean of daily mean pressure.	Departure from normal.	Mean reduced to S.L. and gravity 45° Lat.	Mean maximum.	Mean minimum.	Mean daily range.	Highest maximum.	Lowest minimum.	Absolute range.	Mean 10 h.	Mean 16 h.	Mean of daily means.	Departure from normal.	Mean minimum	Mean 10 h.	Mean 10 h.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Burma Coast and Bay Islands.	Port Blair	61	29·880	29·770*	·110	29·826	+·014	29·816*	93·8	78·81	15·0	96·2	76·8	19·4	88·8*	91·5	85·4‡	+0·7	76·0	79·9*	80·9
	Rangoon	57	·876	·723	·153	·803	+·018	·796	99·2	76·8	22·4	102·6	73·1	29·5	89·7	94·5	85·6	+0·6	73·8	77·3	78·2
	Diamond Island	41	·888	·776	·112	·833	+·001	·809	87·2	79·2	8·0	89·2	77·2	12·0	84·8	84·9	82·7	−0·3	74·7	77·7	78·0
	Slipper Island	119																			
	Akyab	20	·890	·785	·105	·834	+·005	·796	91·9	77·9	14·0	94·7	71·2	23·5	87·9	89·0	84·4	+1·0		80·0	80·1
Bengal and Orissa.	Chittagong	87	·778	·667	·109	·713	−·030	·747	88·2	75·6	12·6	89·8	66·3	23·5	85·9	85·6	81·9	+0·6	73·2	78·0	78·1
	Calcutta (Alipore)	21	·775	·653	·122	·713	−·038	·680	97·5	77·3	20·2	104·3	71·4	33·5	89·5	96·0	86·7	+1·7	72·6	78·6	77·0
	Saugor Island	25	·789	·675	·114	·728	−·029	·697	91·9	81·1	10·8	97·7	75·3	22·4	87·5	89·3	85·8	+1·1	78·2	80·9	82·3
	False Point	21	·814	·697	·117	·752	−·023	·714	89·0	78·9	10·1	93·1	73·7	19·4	86·6	85·8	83·3	+0·2	77·0	80·4	80·5
Gangetic Plain and Chota Nagpur.	Hazaribagh	2,007	27·796	27·701	·095	27·745	−·020	·638	98·7	73·3	25.4	104·6	63·3	41·3	91·2	96·3	85·9	+0·7	57·8	64·0	65·4
	Allahabad	309	29·468	29·346	·122	29·404	−·014	·658	104·7	71·3	33·4	110·3	64·5	45·8	95·0	103·0	87·2	−0·4	58·4	65·8	69·1
Upper Sub-Himalayas.	Dehra Dun	2,233	27·562	27·480	·082	27·513	−·028	·664	92·0	62·2	29·8	97·6	55·0	42·6	82·3	88·7	77·0	−0·4	53·5§	61·4	61·8
	Roorkee	899	28·863	28·767	·096	28·807	−·023	·656	96·6	64·1	32·5	103·1	54·4	48·7	87·5	94·3	79·8	−2·0	55·2	64·3	65·3
	Lahore	702	29·087	29·001	·086	29·038	+·003	·701	93·8	64·1	29·7	102·7	56·1	46·6	84·3	91·8	78·5	−2·4	57·5	67·0	68·5
	Ludhiana	812	28·948	28·862	·086	28·899	−·019	·670	65·0	66·0	29·0	103·0	57·2	45·8	82·4	93·3	80·0	−1·8	58·5	68·3	69·2
Indus Valley and N. W. Rajputana.	Peshawar	1,110	·734	·647	·087	·685	−·009	·784	83·4	58·3	24·6	92·1	54·0	38·1	77·0	81·2	70·8	−2·7	52·8	61·4	62·6
	Jacobabad	186	29·637	29·524	·113	29·578	+·024	·720	101·2	69·2	32·0	111·8	57·3	54·5	92·2	98·3	84·3	−1·2	59·0	72·2	74·1
	Kurrachee	30	·867	·780	·087	·820	+·037	·801	91·0	72·2	18·8	106·5	65·8	40·7	86·1	86·1	80·2	−0·4	67·3	72·0	74·2
E. Rajputana, Central India and Gujarat.	Jaipur	1,431	28·423	28·319	·104	28·365	+·018	·721	99·5	68·6	30·9	106·7	58·9	47·8	90·4	97·7	84·1	−2·2	54·5	63·3	64·9
	Udaipur	1,925?	27·963	27·851	·112	27·902		·725	99·0	71·0*	28·0	105·0	61·0	44·0	90·6	97·9	85·8*		57·7	65·7	68·5
	Deesa	466	29·416	29·292	·124	29·349	+·027	·755	103·6	68·9	34·7	109·1	63·0	46·1	91·7	102·5	87·1	−1·8	58·7	67·1	68·2
	Jamnagar	61	·855	·740	·115	·795		·801	95·0	68·3	26·7	102·3	61·4	40·9	86·0	91·4	80·6		64·7	71·3	70·0
Deccan.	Belgaum	2,539	27·377	27·259	·118	27·321	+·012	·712	99·6	67·0	32·6	102·1	63·4	38·7	90·2	90·7	80·6	+1·4	61·3	64·7	72·8
	Sholapur	1,590	28·275	28·125	·150	28·199	−·004	·668	107·9	76·6	31·3	109·7	69·2	40·5	98·6	105·6	90·4	+2·0	58·4	67·4	71·0
	Akola	930	·903	·755	·148	·826	−·012	·667	108·3	73·7	34·6	111·6	64·8	46·8	97·6	106·3	90·7	+0·6	56·9	70·1	73·8
	Buldana	2,132	27·774	27·647	·127	27·705	−·003	·704	101·8	77·3	24·5	105·6	67·1	38·5	92·3	100·2	88·5	+1·2	61·3	68·7	71·8
	Khandwa	1,044	28·618	28·671	·147	28·742	+·010	·709	105·6	74·7	30·9	109·4	63·1	46·3	95·1	103·9	90·5	+0·1	56·5	65·9	69·1
	Nagpur (Sanitary Commr.'s Office)	1,013	·816	·669	·147	·740	0	·672	108·1	77·1	31·0	111·8	68·8	43·0	99·0	106·7	92·3	+1·7	58·6	68·4	71·4
	Hyderabad (Deccan)	1,690	·183	·051	·132	·115	−·009	·686	105·2	77·4	27·8	108·3	70·2	38·1	96·3	102·9	90·6	+2·6	65·0	71·1	72·2
West Coast.	Bombay	37	29·884	29·778	·106	29·830	+·018	·807	88·0	75·5	12·5	91·5	72·3	19·2	82·8	84·0	80·8	−1·3	72·2	75·8	76·1
	Karwar	44	·898	·791	·107	·846	+·031	·823	88·4	75·6	12·8	90·1	69·7	20·4	85·1	86·7	81·0	−2·0	73·1	76·5	77·9

* Mean of 28 days. ‡ Mean of 24 days. § Mean of 28 days.

II.

at 62 Stations in India, Burma, etc., for April, 1906.

Vapour Tension.					Humidity.					Cloud.				Wind direction.										Wind Steadiness.		Wind Velocity.		Rainfall.		Station.	
From minimum.	Mean 10 h.	Mean 16 h.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 h.	Mean 16 h.	Mean of daily means.	Departure from normal.	Mean 10 h.	Mean 16 h.	Mean of two previous columns.	Departure from normal.	Total number of 10 h. and 16 h. winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Mean wind direction.	Normal mean wind direction of month.	Average percentage.	Normal percentage.	Mean velocity in miles per diem.	Normal.	Total rainfall for the month.	Heaviest rainfall during the month.		
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	
																									%	%						
·878‡	·910*	·915	·926	−·033	89‡	67*	62	76	− 4	2·4	2·8	2·6	−2·0			14	7	18	2	3	8	8	S 85° E	N 85° E	23	51	152*	115	0	0	Port Blair.	Burma Coast
·796	·775	·743	·792	−·015	86	55	47	68	− 3	2·3	2·7	2·5	−0·9	2		1		3	26		25	3	S 44° W	S 24° W	59	57	60*	134	0	0	Rangoon.	
·796	·853	·866	·856	−·014	80	71	72	77	− 1	1·5	1·7	1·6	−1·8					1		1	18	40	N 60° W	N 63° W	89	69	290*	204	0	0	Diamond Island	
																															Slipper Island.	
	·922	·908				70	66			4·0	3·4	3·7	+0·4				1	10	9	20	13	7	S 44° W	S 66° W	59	36	104*	91	0·29	0·29	Akyab.	
·791	·858	·868	·850	+·021	89	69	70	79	+ 3	5·3	2·7	4·0	−0·3			1		4	23	31	1		S 22° W	S 12° W	85	45	244*	166	3·29	2·15	Chittagong.	Bengal and Assam
·744	·838	·681	·786	−·011	79	61	41	65	− 5	0·5	0·7	0·6	−2·0					4	21	24	6	5	S 32° W	S 30° W	74	69	173*	168	0·03	0·03	Calcutta (Alipore).	
·934	·971	1·013	·984	+·047	88	75	74	82	+ 2	4·4	1·7	3·1	−1·7	2				1	39	17	1		S 14° W	S 12° W	89	76	524	430	0·04	0·04	Saugor Island.	
·909	·945	·962	·950	+·029	91	75	78	84	− 1	1·4	2·3	1·9	−1·7						12	48			S 36° W	S 30° W	95	80	364*	331	0	0	False Point.	
·288	·257	·242	·278	−·049	36	18	14	25	− 4	1·0	1·1	1·1	−1·8		7				2	3	21	27	N 62° E	N 72° W	80	46	261*	214	0·07	0·07	Hazaribagh.	Gangetic Plain
·322	·247	·268	·292	−·082	42	16	13	25	− 7	0·7	0·9	0·8	−0·9		2					4	32	22	N 74° W	N 54° W	88	35	138*	127	0	0	Allahabad.	
·303§	·287	·217	·274	−·037	54§	26	16	34	− 3	1·3	1·6	1·5	−1·3	1	4	1	1	1	5	19	22	6	S 75° W	N 85° W	65	28	61	55	0·03	0·02	Dehra Dun.	Upper Sub-Himalayan
·323	·299	·241	·293	−·030	54	24	15	33	− 1	0·8	0·7	0·8	−1·1	11		1		6	1	3		38	N 50° W	N 72° W	52	22	130	79	0·08	0·06	Roorkee.	
·392	·436	·388	·422	+·027	66	38	26	45	+ 4	2·6	1·9	2·3	−0·6	4	10	1	5	5	6	1	15	13	N 58° W	N 15° W	30	28	80	77	0·14	0·14	Lahore.	
·400	·518	·410	·454	+·049	63	46	26	47	+ 4	0·9	2·2	1·6	−1·4		1	8	1	2			36	12	N 69° W	N 48° W	65	30	61*	58	0·14	0·11	Ludhiana.	
·331	·359	·346	·362	−·060	66	40	35	49	− 5	3·3	4·7	4·0	−8·4	14	14	3	4		2	3	15	5	N 43° W	N 9° E	35	25	64*	96	0·91	0·36	Peshawar.	
·374	·536	·538	·500	+·112	52	34	29	40	+ 6	1·0	1·3	1·2	−1·2	3	5	3	12	1	5	5	12	14	N 53° W	S 57° E	22	13	174*	101	0·01	0·01	Jacobabad.	Indus Valley and N.W.
·613	·611	·694	·684	−·095	77	51	57	69	− 7	2·4	2·5	2·5	+0·8		1	1		1		21	29	7	S 79° W	S 69° W	80	81	308*	317	0	0	Kurrachee.	
·249	·247	·211	·249	−·084	36	17	12	24	− 6	2·9	2·3	2·6	+0·1		4	1	1	1	1	4	26	22	N 70° W	N 57° W	75	50	121	120	0	0	Jaipur.	E. Rajputana, C. India
·324*	·331	·340	·322		42*	23	19	27		0·7	1·0	0·9		10	4	3	1	2	3	3	24	5	S 89° W		48		106*		0	0	Udaipur.	
·365	·342	·231	·302	−·037	51	24	11	28	+ 2	0·6	0·8	0·7	−0·9		6	2	1		1	10	25	13	N 76° W	W	69	56	183‖	218	0	0	Deesa.	
·567	·573	·453	·566		81	46	32	58		0·7	0	0·4			6	3	1			9	32	9	N 79° W		71		372*		0	0	Jamnagar.	
·478	·297	·583	·485	−·069	72	21	41	53	− 7	0·7	1·2	1·0	−1·9	1	7	15	5				19	12	N 24° W	N 78° W	48	36	296*	314	0·44	0·29	Belgaum.¶	Deccan.
·270	·286	·327	·315	−·112	29	15	14	24	−10	0·9	3·1	2·0	−1·8		10	25	1	2	2	2	3	15	N 9° E	N	56	12	243*	211	0	0	Sholapur.	
·248	·374	·404	·349	+·028	29	21	17	23	− 2	0·9	0·5	0·7	−1·4	2	3	4	2			3	12	34	N 50° W	N 51° W	72	56	130*	142	0	0	Akola.	
·352	·419	·441	·396	+·107	37	27	22	28	+ 5	0·1	0·1	0·1	−2·2		11		2			1	22	24	N 54° W	N 33° W	78	58	251*	216	0	0	Buldana.	
·237	·280	·279	·273	−·067	27	17	13	20	− 6	0·3	0·1	0·2	−1·8	2	9	4	1			1	12	21	N 32° W	N 48° W	65	60	153*	156	0	0	Khandwa.	
·270	·316	·329	·313	−·089	29	17	14	21	− 9	0·2	1·0	0·6	−2·6	3	12	5	3	4	3	3	12	15	N 40° W	N 66° W	40	22	110*	144	0	0	Nagpur (Sanitary Commr.'s Office).	
·467	·447	·407	·457	−·107	50	27	20	34	−12	1·2	3·0	2·1	−0·7	52		2		4	1			1	S 65° E	S 9° W	7	5		108	0·13	0·08	Hyderabad (Deccan).	
·787	·805	·800	·809	−·032	85	71	68	78	+ 1	0·4	0·4	0·4	−1·2		1			1	1	6	17	34	N 67° W	N 60° W	82	56	244	254	0	0	Bombay.	West Coast.
·786	·800	·840	·834	−·022	89	66	66	77	+ 1	1·1	0·9	1·0	−1·5							31	16	13	S 75° W	N 84° W	81	73	95	115	0	0	Karwar.	

‡ Mean of 27 days. ¶ Wind observations 1 less. * Corrected.

Table

Abstract of Observations recorded at 10 h. and 16 h. at 62 Stations

Meteorological Province.	Station.	Elevation of bar-cistern above sea-level in feet.	Pressure. Mean of 10 h.	Mean of 16 h.	Mean daily range.	Mean of daily mean pressures.	Departure from normal.	Mean reduced to sea-level and gravity 45° Lat.	Temperature of Air. Mean maximum.	Mean minimum.	Mean daily range.	Highest maximum.	Lowest minimum.	Absolute range.	Mean 10 h.	Mean 16 h.	Mean of daily means.	Departure from normal.	Temperature, Wet-bulb. Mean minimum.	Mean 10 h.	Mean 16 h.	Mean of three previous columns.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
South India.	Periyakulam	944	28·959	28·811	·148	28·885		29·742	101·4	73·3	28·1	104·2	67·0	37·2	89·5	98·2	87·3		68·3	74·9	73·3	72·1
	Salem	940	29·013	·833	·180	·932	+·019	·783	104·3	79·0	25·3	106·8	71·4	35·4	92·0	100·9	90·2	+3·4	76·4?	85·9?	92·8?	85·0?
	Chitaldroog	2,405	27·520	27·380	·140	27·453	+·003	·709	100·4	74·3	26·1	102·2	71·7	30·5	88·5	98·2	86·1	+3·6	65·1	70·7	71·1	69·0
	Bangalore	3,021	26·950	26·818	·132	26·890	+·012	·722	97·2	71·1	26·1	99·1	67·5	31·6	85·2	94·8	82·9	+3·0	62·8	70·1	67·5	66·8
	Hassan	3,091	·892	·767	·125	·836	+·025	·729	98·0	67·2	30·8	99·4	64·0	35·4	87·6	93·5	81·3	+3·8	64·5	69·4	69·9	67·9
	Mysore	2,518	27·437	27·285	·152	27·367	+·006	·735	98·5	71·6	26·9	100·9	69·8	31·1	85·5	96·8	83·8	+2·9	66·7	71·8	70·2	69·6
	Pudukkottai	318	29·597	29·448	·149	29·523		·765	101·6*	78·7	22·9	104·5	74·6	29·9	90·5	97·7	90·2*		72·2	76·9	76·8	75·3
	Madras	22	·874	·749	·125	·818	−·007	·771	94·8	78·1	16·7	101·5	71·8	29·7	91·1	89·0	85·5	+1·4	76·8	80·7	81·4	79·7
	Bellary	1,475	28·396	28·244	·152	28·319	−·021	·687	107·4	79·9	27·5	109·5	75·4	34·1	94·7	103·7	92·6	+3·4	64·5	69·8	70·4	68·2
	Waltair	*226*	29·643	29·533	·110	29·585	−·004	·750	91·0	78·6	12·4	96·9	76·1	20·8	87·9	86·1	83·3	+0·5	73·4	77·1	78·5	76·3
Hill Station, Baluchistan.	Quetta	5,502	24·644	24·574	·070	24·601	+·002	24·561	71·8	43·8	28·0	81·0	31·2	49·8	64·4	69·1	58·4	−2·5	40·8	49·5	51·3	47·2
Hill Stations, Northern India.	Leh	11,503	19·663	19·589	·074	19·627	−·053	19·595	54·3	31·0	23·3	62·2	22·4	39·8	45·7	50·6	41·5	−1·4	25·6	33·6	35·1	31·4
	Srinagar	5,204	24·896	24·816	·080	24·851	−·033	24·822	64·8	45·2	19·6	72·1	39·6	32·5	55·9	62·8	53·9	−1·8	43·2	52·5	53·6	51·4
	Sarain		23·162	23·112	·050	23·127			67·1	42·5	24·6	76·0	35·6	40·4	61·8	62·9	55·4			46·8	48·1	
	Kalabagh																					
	Simla (Ridge)	7,224	·116	·072	·044	·086	−·012	23·048	65·8	51·6	14·2	70·6	41·3	29·3	60·7	62·9	59·3	0	42·3	47·4	49·6	46·4
	Chakrata	7,022	·284	·238	·046	·249	−·020	·209	70·7	52·8	17·9	75·3	41·0	34·3	66·2	66·0	62·4	+0·6	41·9	50·6	49·8	47·4
	Ranikhet	6,069	24·085	24·026	·059	24·018	−·021	24·006	76·4	57·9	18·5	33·8	43·0	40·8	70·7	72·1	67·8	+1·2	47·1	52·7	52·3	50·7
	Mukteesar	7,600	22·825	22·774	·051	22·792		22·750	71·8	52·1	19·7	81·3	37·9	43·4	63·6	69·0	62·6		41·7	47·7	50·5	46·6
	Katmandu	4,388	25·558	25·461	·097	25·508	−·041‡	25·462	86·4	52·7	33·7	92·8	48·3	44·5	76·8	82·2	70·1	+3·0‡	50·6	60·6	60·5	57·2
	Darjeeling	7,376	22·970	22·930	·040	22·948	−·039	22·903	64·1	50·4	13·7	70·4	44·3	26·1	60·0	61·6	57·9	+1·7	46·5	55·9	58·1	53·5
Hill Stations, Central India.	Mount Abu	3,945	26·071	25·999	·072	26·029	+·007	25·980	82·8	67·8	15·0	89·2	58·6	30·6	76·6	81·0	75·8	−2·2	52·2	55·1	56·6	54·6
	Pachmarhi	3,528	·468	26·366	·102	·411	+·010	26·358	94·0	69·6	24·4	100·4	57·2	43·2	86·0	92·3	82·5	+0·8	53·0	59·4	61·2	57·9
	Chikalda	3,642	·357	·259	·098	·302	−·001	·246	94·4	72·6	21·8	97·8	64·3	33·5	85·2	93·5	84·1	+1·0	55·0	60·2	63·1	59·4
Hill Stations, S. India.	Kodaikanal	7,688	22·890	22·826	·064	22·858		22·794	73·8	54·8	19·0	77·3	50·8	26·5	69·8	65·4	64·3		45·8	54·0	56·4	52·1
	Ootacamund	*7,322*	23·057	·995	·062	23·024		·960	72·7	51·9	20·8	75·0	45·8	29·2	69·1	67·2	62·9		45·1	53·4	54·1	50·9
	Dodabetta	8,539	22·045	·000	·045	22·021		21·957	65·9	52·3	13·6	68·4	50·2	18·2	64·0	61·8	59·7		46·3	51·5	52·4	50·1
Extra India.	Aden	94	29·888	29·768	·120	29·819	+·029	29·844	87·8	78·9	8·9	92·5	75·1	17·4	83·1	86·4	81·6	+0·2	73·4	75·6	75·8	74·9
	Perim	201	·724	·621	·113	·669	+·025	·804	89·0	79·3	9·7	90·9	77·4	13·5	85·1	86·7	82·4	+0·4	72·0	75·1	75·9	74·3
	Minicoy	7	·946	·876	·070	·915		·848	89·8			93·4			86·9	87·0				78·1	78·2	
	Zanzibar	72	·969	·863	·106	·920	+·022	·919	84·3	76·6	7·7	90·0	72·7	17·3	80·3	82·8	78·7	−0·7	73·5	76·5	77·1	75·7
	Port Victoria (Seychelles).	15	·965	·877	·088	·924	+·018‡	·863	85·2	78·3	6·9	87·8	75·7	12·1	82·9	83·5	80·5	+1·1‡	74·0	77·7	77·9	76·5
	Mauritius (Pamplemousse).	181				·780	−·053	·907				87·9	61·5	26·4			75·5	+0·2				70·4

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

* Mean of 29 days.

‡ Mean of 2 days.

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

II—*concluded.*

in India, Burma, etc., for April 1906—concluded.

Vapour Tension.					Humidity.					Cloud.				Wind direction.										Wind Steadiness.		Wind Velocity.		Rainfall.		Station.	Meteorological Province.
														Total number of 10 h. and 16 h. winds from																	
From minimum.	Mean 10 h.	Mean 16 h.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 h.	Mean 16 h.	Mean of daily means.	Departure from normal.	Mean 10 h.	Mean 16 h.	Mean of two previous columns.	Departure from normal.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Mean wind direction.	Normal mean wind direction of month.	Average percentage.	Normal percentage.	Mean velocity in miles per diem.	Normal.	Total rainfall for the month.	Heaviest rainfall during the month.		
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
																									%	%						
·629	·669	·487	·595		76	48	28	51		2·1	3·9	3·0		5	5	9	6	17	12		4	2	S 60° E		37		62*		0·18	0·11	Periyakulam.	South India.
										2·3	4·4	3·4	−1·0	24		4	5	7	7	11		2	S 13° E	S 4° E	27	28	110*	110	0	0	Salem.	
·507	·532	·423	·507	−·028	60	39	23	43	− 6	0·6	2·1	1·4	−2·6		6	9	8	7	3	8	8	11	N 17° W	N 39° W	12	15	144*	161	0	0	Chitaldroog.	
·479	·561	·359	·486	−·069	63	47	22	46	− 9	1·1	3·1	2·1		2	1	7	10	9	8	13	8	2	S 9° E	S 27° W	27	38	174*	115	0·09	0·07	Bangalore.	
·580	·514	·463	·539	−·023	87	39	30	54	− 7	2·4	5·4	3·9	−1·8	4	4	8	4	6	3	12	13	6	S 81° W	N 44° E	20	12	72*	82	0·19	0·19	Hassan.	
·595	·613	·411	·560	−·029	77	47	23	51	− 8	4·0	5·1	4·6	−1·1		1	9	14	8	7	11	8	2	S36° E	N 85° E	25	12	226*	190	0·10	0·08	Mysore.	
·709	·744	·641	·698		72	52	36	53		4·4	4·6	4·5		7	2		4	16	15	8	4	4	S 6° E		45		212*		0·17	0·09	Pudukkottai.	
·908	·911	·971	·952	+·052	94	63	71	79	+ 1	2·1	1·4	1·8	−1·7					29	19	12			S 47° E	S 36° E	71	83	209	182	0	0	Madras.	
·420	·419	·326	·413	−·127	41	26	15	29	−12	0·6	3·3	2·0	−2·4	2	3	4	7	7	6	7	13	11	S 78° W	S 63° W	18	8	122*	130	0	0	Bellary.	
·723	·788	·872	·816	−·021	77	61	70	72	+ 3	1·4	2·6	2·0	−0·9						8	51	1		S 40° W	S 24° W	97	83	379*		0·01	0·01	Waltair.	
·231	·208	·199	·206	−·045	79	34	28	47	− 1	1·6	3·3	2·5	−0·8	10	7		1	3	4	2	15	18	N 65° W	N 78° W	48	35	81*	84	0·25	0·09	Quetta.	Hill Station, Baluchistan.
·098	·092	·074	·088	−·026	56	31	22	36	− 9	7·9	8·2	8·1	+1·6		3	1	5	6	12	12	19	2	S 44° W	S 63° W	45	27	92	74	0·19	0·16	Leh.	Hill Stations, Northern India.
·259	·365	·456	·339	+·009	85	81	78	81 §	+ 3	5·8	6·5	6·2	+1·2	9	4	4	2	9	3	5	7	17	N 63° W	N 18° W	22	19	98*	115	2·67	0·52	Srinagar.	
	·169	·183				32	33			3·7	4·8	4·3		13	5	5			14	11	7	5	S 57° W		30		71*		0·80	0·30	Sarain.	
																															Kalabagh.	
·176	·193	·221	·190	−·021	47	37	39	41	− 2	2·5	3·8	3·2	−1·0	6	21	3		4	20			6	N 9° E	N 81° W	8	10	119*	149	0·42	0·20	Simla (Ridge).	
·153	·208	·191	·177	−·028	39	33	31	34	− 8	2·2	2·9	2·6	−1·0	14	1	1		19	25				S 21° E	S 54° W	65	23	209*	180	0·27	0·16	Chakrata.	
·213	·213	·190	·198	−·052	46	29	25	33	−10	1·7	3·0	2·4	−0·8	10	1	2	1			22	16	8	S 12° W	S 84° W	60	41	96*	91	0·72	0·56	Ranikhet.	
·159	·166	·178	·161		44	30	26	33		3·4	4·4	3·9		9			1	1		7	41	1	S 84° W		75		245*		0·49	0·33	Muktesar.	
·352	·339	·286	·319	−·041	87	38	27	51	− 7	0·6	1·2	0·9	−3·1	5	1		16	1			36	1	N 88° W	N 87° W	43	42	25	36	0·51	0·50	Katmandu.	
·277	·411	·451	·373	+·054	76	79	82	79	+ 3	5·5	7·0	6·3	+0·1	8		8	1	1		14	16	12	N 83° W	S 75° W	45	32	257*	206	·044	0·22	Darjeeling.	
·216	·191	·181	·188	−·057	32	21	17	22	− 4	1·1	1·0	1·1	−0·7		7	2		1	1	14	25	10	N 68° W	S 87° W	18	56	218*	211	0	0	Mount Abu.	Hill Stations, Central India.
·214	·203	·181	·191	−·080	30	17	12	19	− 8	0·2	0·4	0·3	−2·2		6	3	2	2		4	19	24	N 58° W	N 63° W	65	44	177*	144	0	0	Pachmarhi.	
·235	·235	·226	·224	−·054	29	19	14	20	− 6	0·7	1·3	1·0	−1·7	5	20	5		3			2	28	N 23° W	N 46° W	78	35	194*	197	0	0	Chikalda.	
·231	·261	·368	·287		54	36	60	50		2·7	5·4	4·1			7	14	18	17	3			1	N 86° E		65		292		2·73	1·82	Kodaikanal.†	Hill Stations, S. India.
·230	·248	·286	·250		60	35	44	47		3·4	6·2	4·8		2	3	12	25	14	3	1			S 87° E		72		122*		1·05	0·71	Ootacamund.	
·255	·255	·297	·269		64	43	54	54		2·0	3·8	2·9			15	28	17						N 47° E		84		432 †		0·73	0·47	Dodabetta.	
·752	·785	·749	·802	+·023	76	69	60	72	+ 1	4·9	1·4	3·2	+1·1 ‡	1		10	11	26	4	7		1	S 57° E	N 87° E	60	67	116*	370	0	0	Aden.	Extra India.
·692	·738	·753	·768	−·105	69	61	59	67	−11	1·2	0·3	0·8	−0·9		3		1	28	20	2	1	5	S 23° E	S 8 8° E	63	63	621*	432	0	0	Perim.	
	·847	·848				66	66			4·1	4·4	4·3			16	1	2	1		2	9	29	N 38° W		75		119*		1·33	0·85	Minicoy.	
·789	·868	·860	·879	−·011	86	84	77	86	+ 1	7·3	7·2	7·3	+1·3	3	1	1	2	9	24	17	3		S 8° W	S 5° E	68	81	155*	170	22·20	3·22	Zanzibar.	
·787	·885	·885	·877	+·014	81	78	77	82	+ 2	6·5	6·8	6·7	+1·8‡	16	6	3	4	5	1	1	4	20	N 29° W	N 8° E	33	9	153	112	14·10	2·25	Port Victoria (Seychelles).	
			·651	−·043				75	− 6			5·9	+0·2										S 57° E	S 70° E			206	252	0·17	0·07	Mauritius (Pamplemousses).	

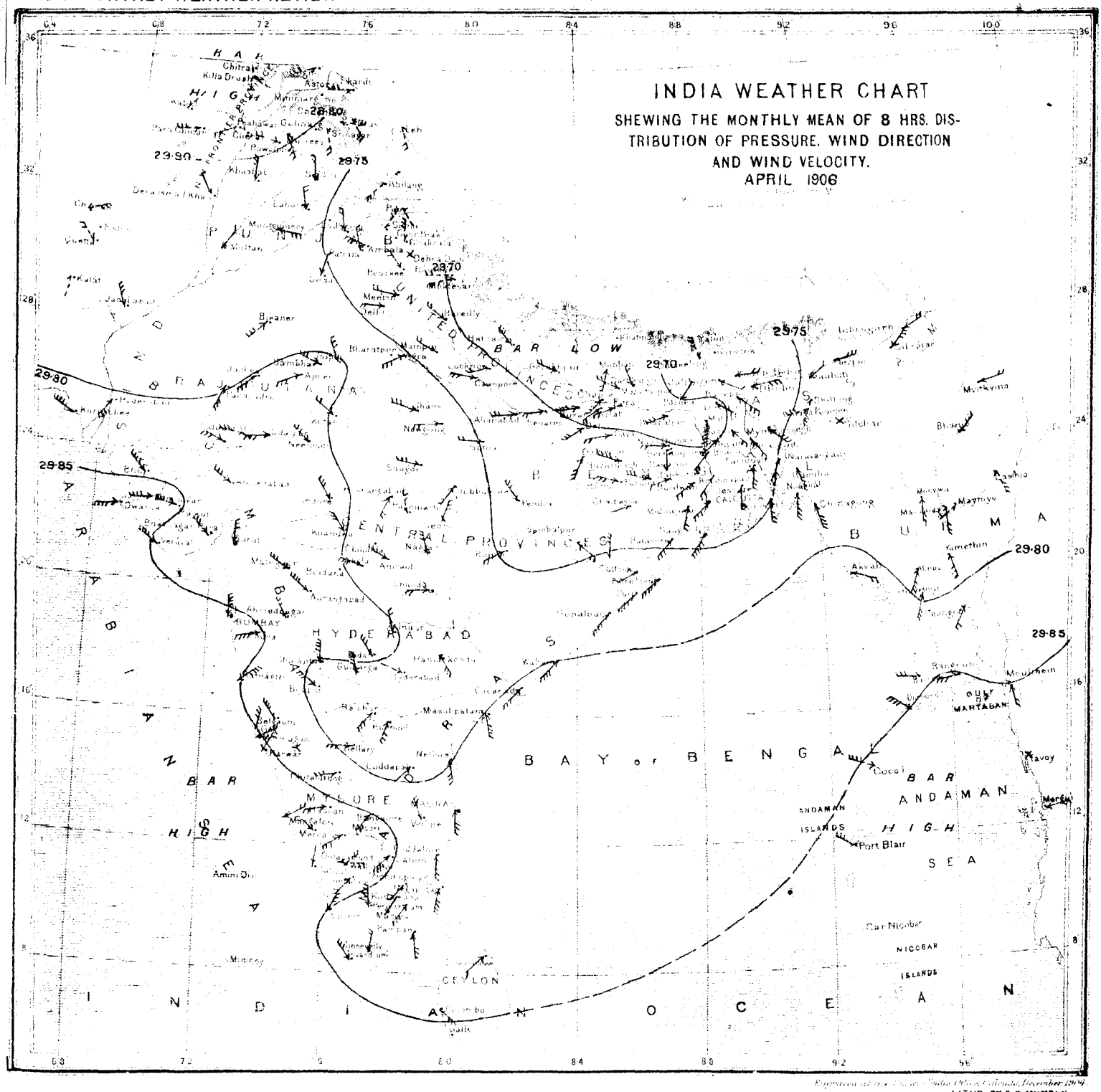
* Corrected.

† Mean of 28½ days.

‡ Departures from old normals.

§ Mean of three previous columns.

G. I. C. P. O.—No. 96 Meteor.—17-9-06—385.



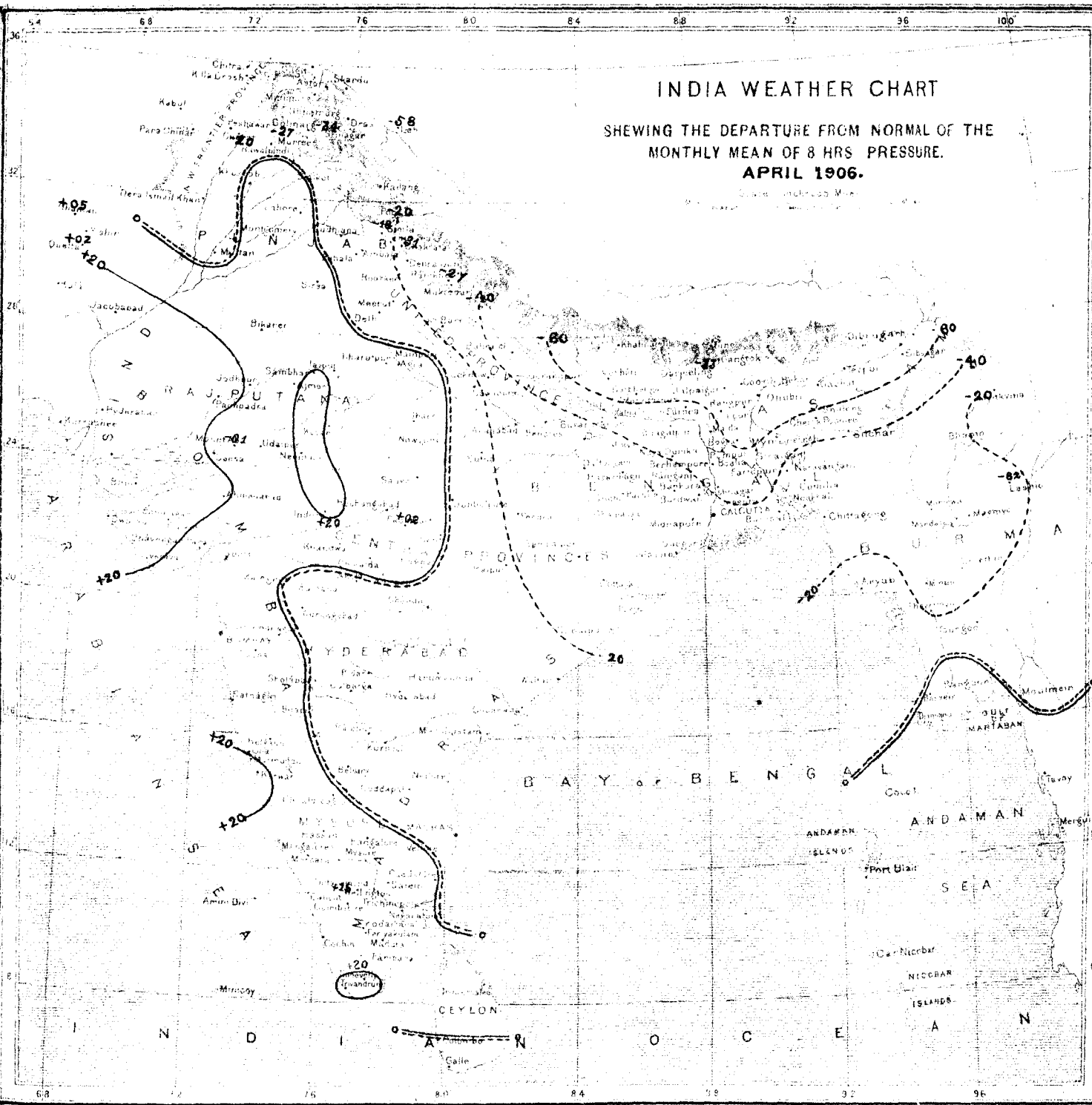
Engraved at the Survey of India Office, Calcutta, December 1906.

LITHO. BY S. G. MUNDLE.

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

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

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



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

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

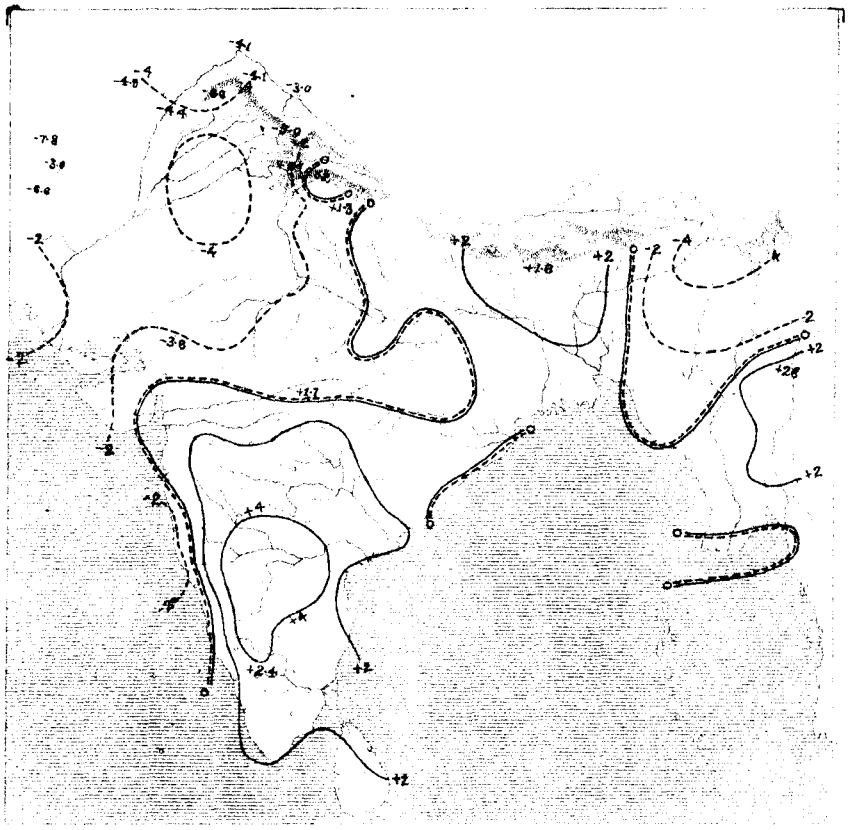


CHART SHEWING THE DEPARTURE FROM NORMAL
OF THE MONTHLY MEAN OF DAILY
MINIMUM TEMPERATURE.

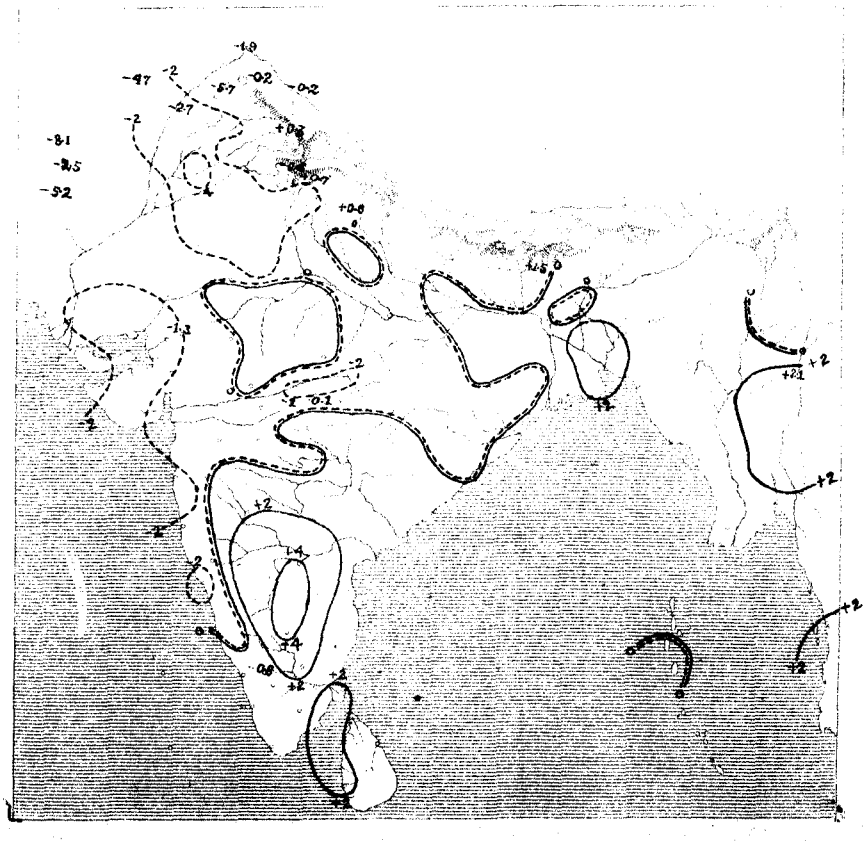


PLATE IV.

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

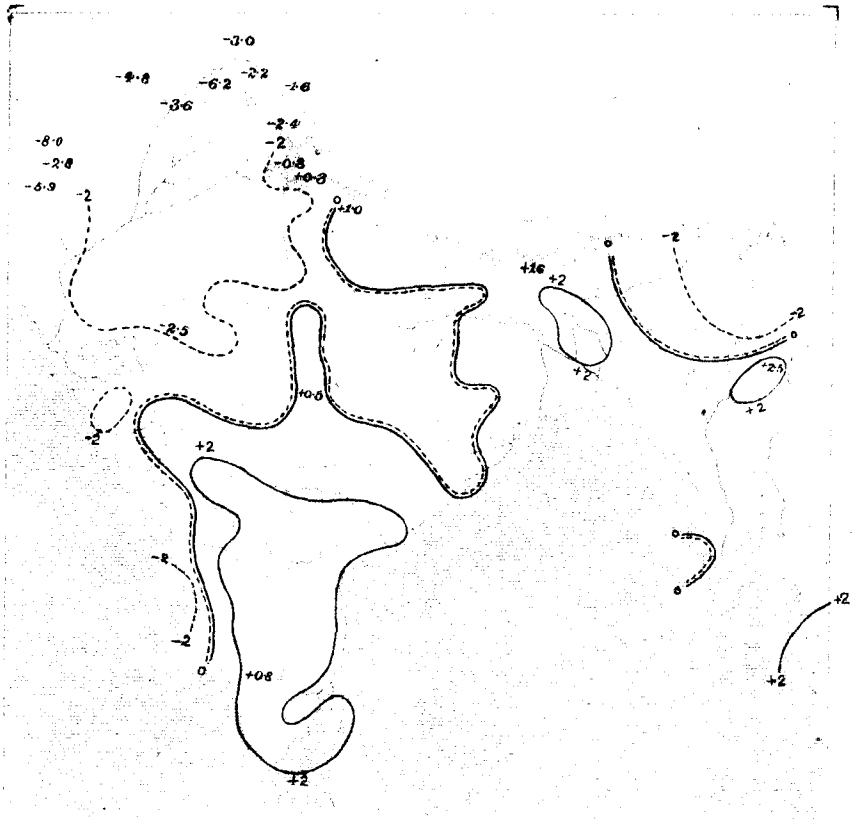


CHART SHEWING THE MONTHLY MEAN OF
PRESSURE AND RESULTANT
WIND DIRECTION.

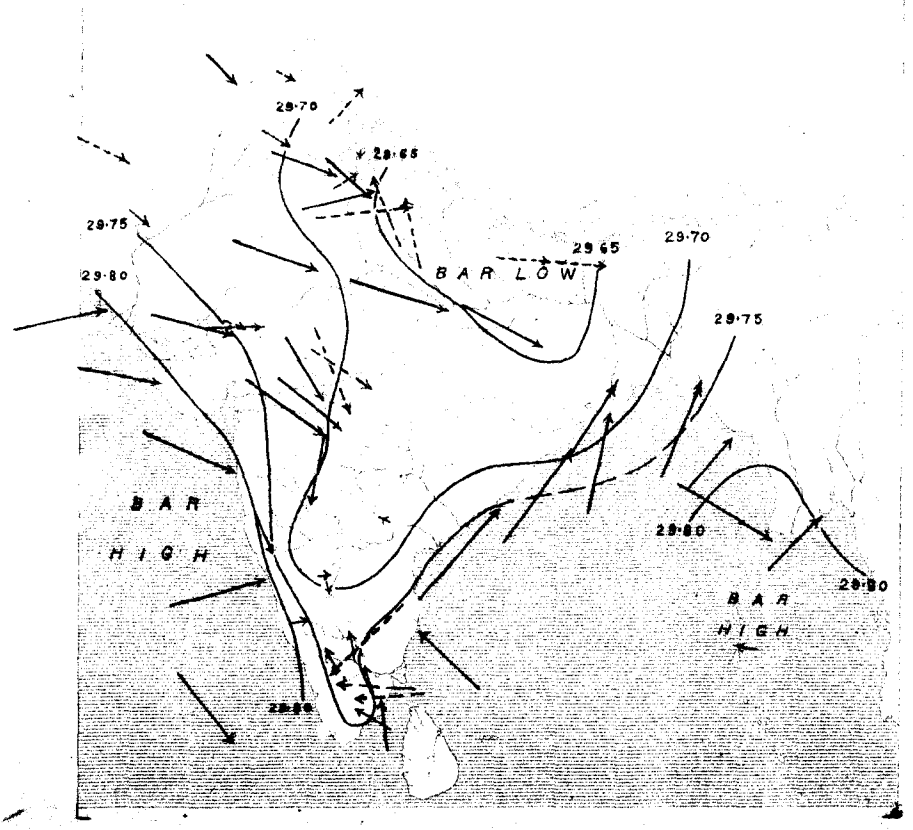


CHART SHEWING THE DEPARTURE FROM NORMAL
OF THE MONTHLY MEAN OF ABSOLUTE
HUMIDITY AT 8 HRS.

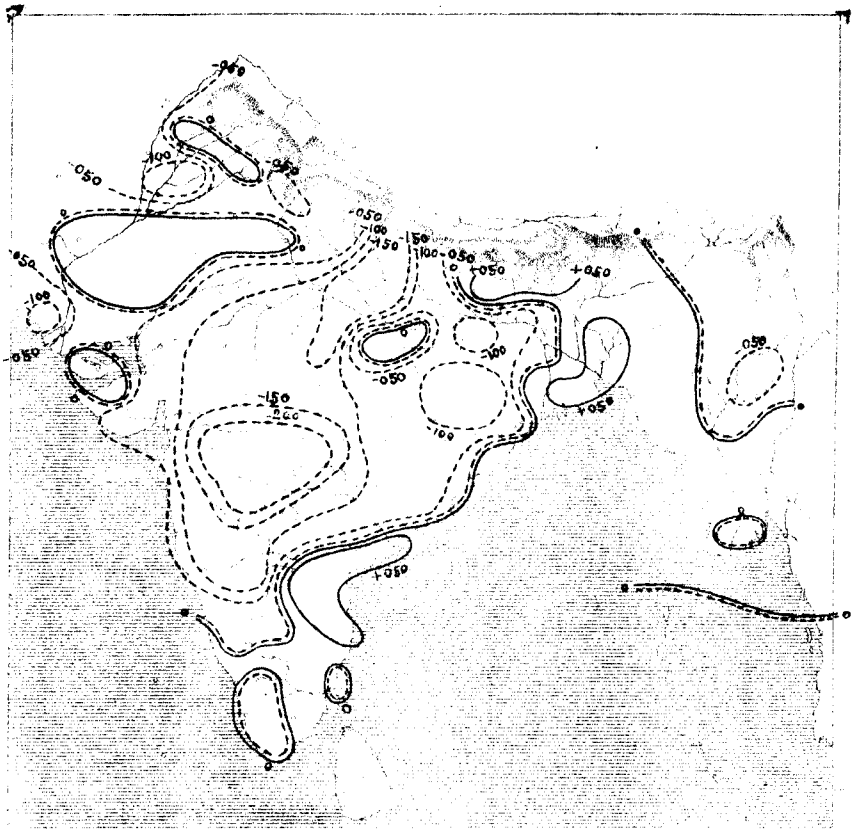


CHART SHEWING THE DEPARTURE FROM NORMAL
OF THE MONTHLY MEAN OF RELATIVE
HUMIDITY AT 8 HRS.

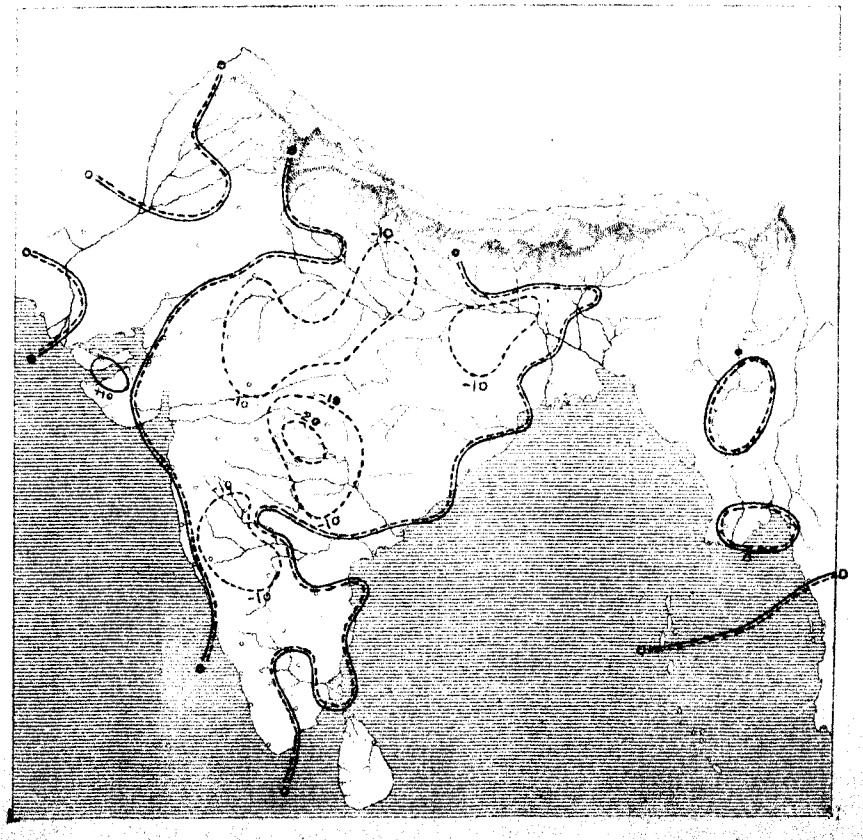


PLATE VI.

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

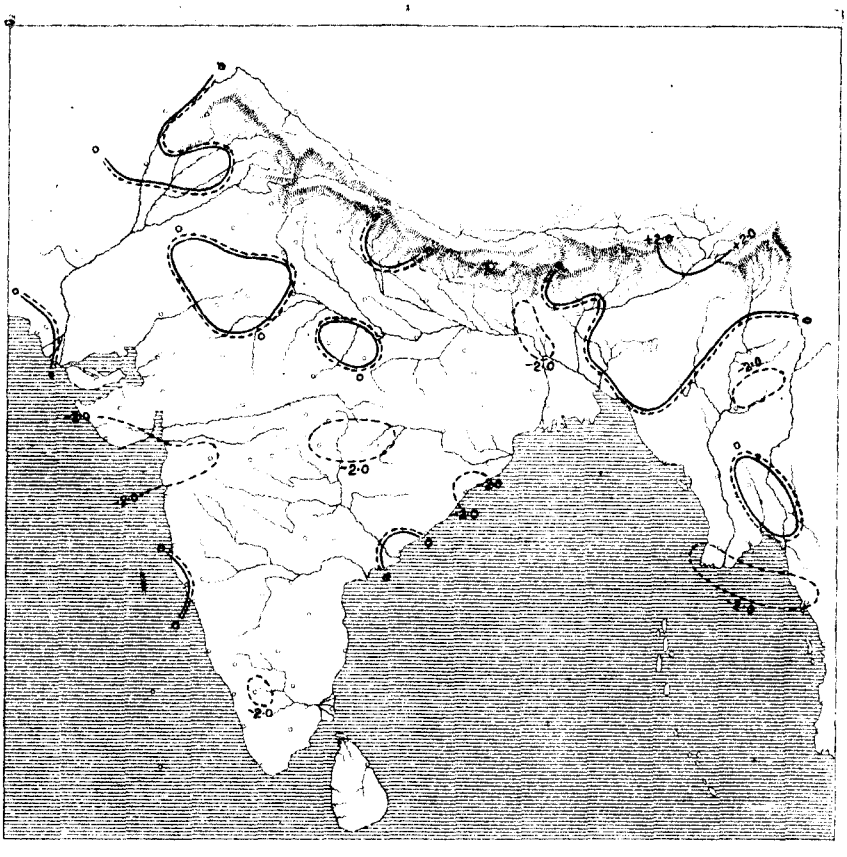
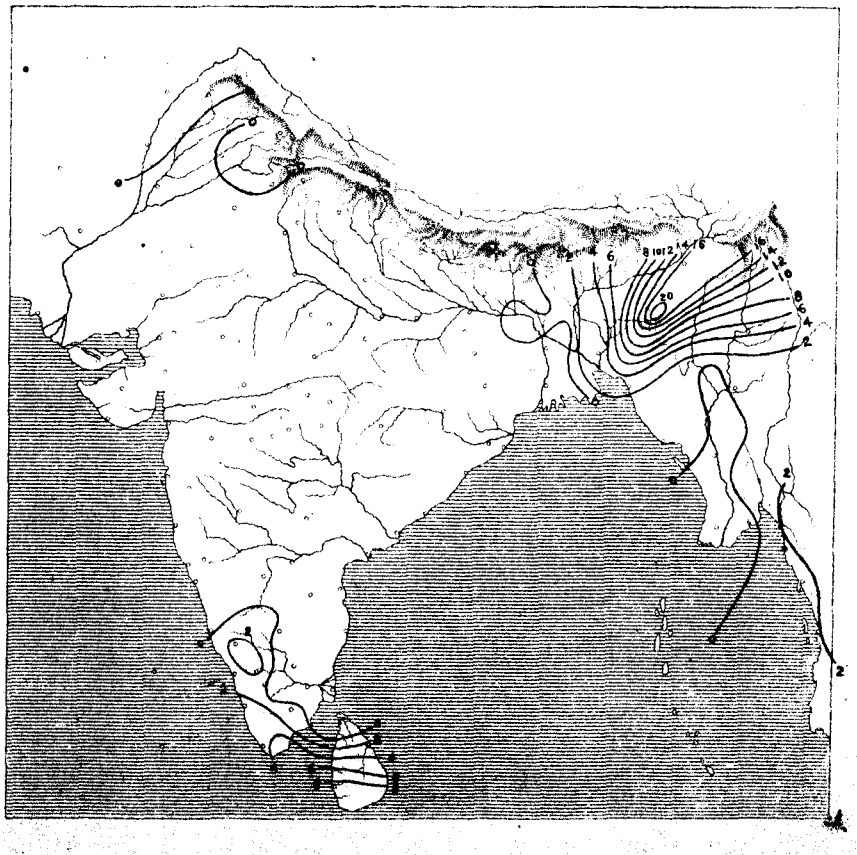
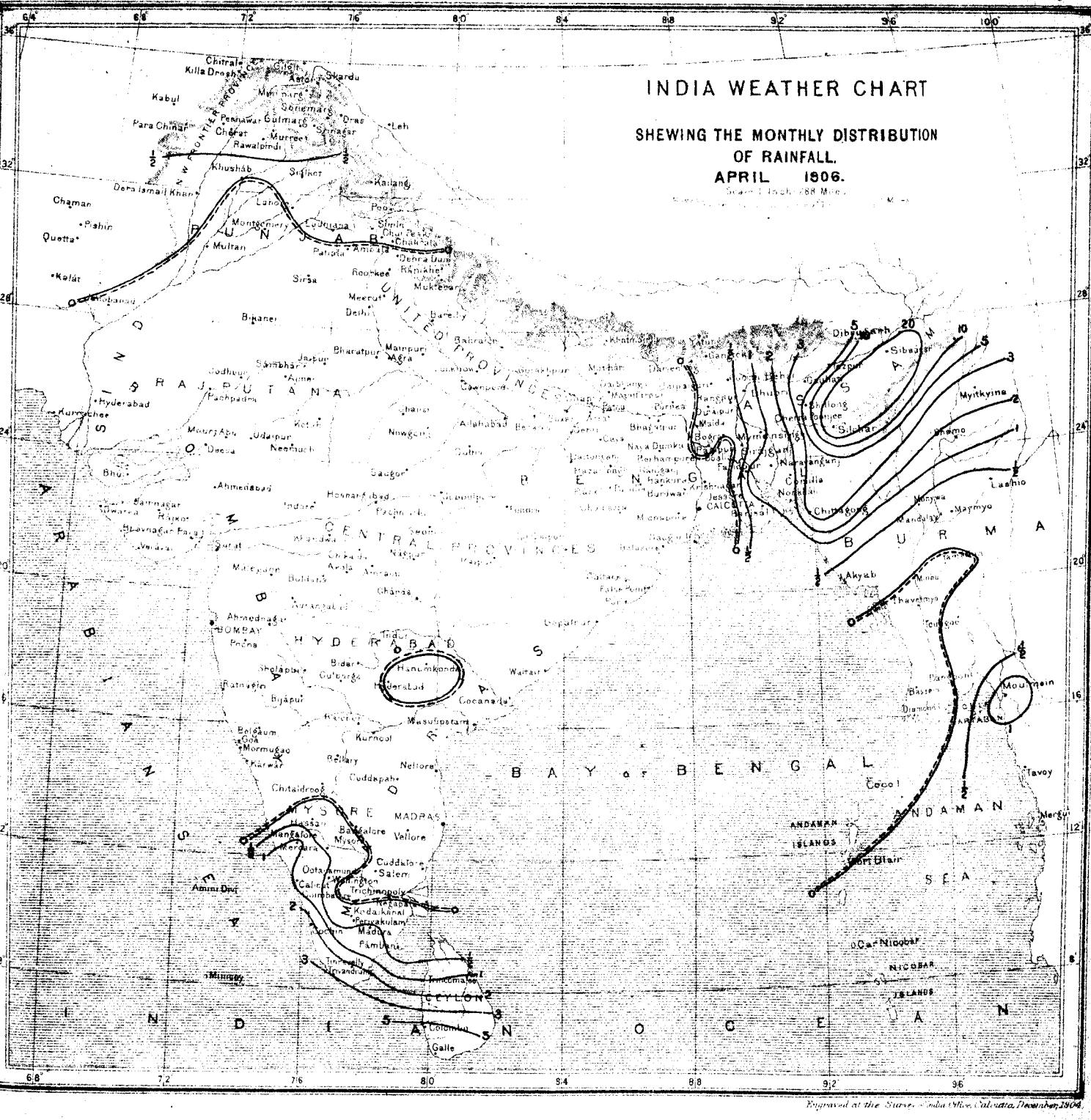
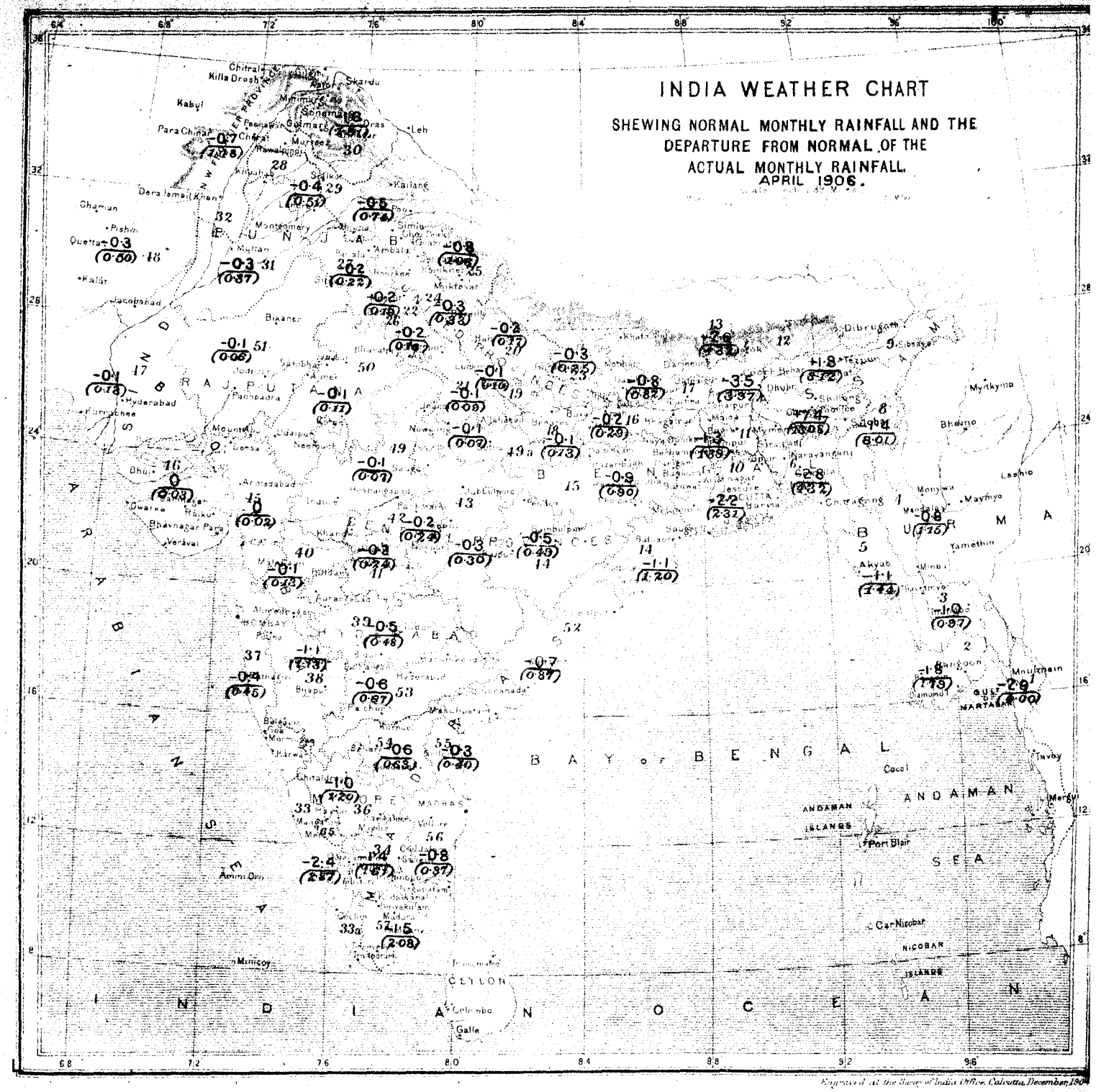


CHART SHEWING THE TOTAL NUMBER OF DAYS IN THE MONTH ON WHICH RAINFALL EQUALLED OR EXCEEDED 0·10 INCH.





The chart shows the distribution of the rainfall of the month by means of isohyetic lines or lines of equal amounts of rain. The data used in the preparation of this chart are the rainfall returns of all the observatories in India except those at the hill stations over 3,500 feet in elevation (177 in number). The double line or line of no rainfall separates areas in which the rainfall exceeded a tenth of an inch from those where it was actually or practically *nil* (*i.e.* less than a tenth of an inch). The dotted line faces the area of no rainfall.



The country is divided into 57 areas, over each of which the meteorological conditions are fairly uniform, and the staple crops similar in character. The numbers in bracket on the chart give the average over the division of the normal monthly rainfall; the numbers above these give the departure from these normals of the average actual rainfall over the division. The name of the district can be ascertained by referring in the following list to the number given in each district in red figures.

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

GOVERNMENT OF INDIA.

METEOROLOGICAL DEPARTMENT.

MONTHLY WEATHER REVIEW

PUBLISHED BY ORDER OF

THE GOVERNMENT OF INDIA.

CALCUTTA, MAY, 1906.

INTRODUCTION.

THIS review of the weather in India for the month of May, 1906, is based on observations taken daily at 8 h. at 232 stations and on additional observations recorded at 10 h. and 16 h. at 62 stations. In the case of the rainfall section of the review there are utilized the data afforded by the meteorological observatories and such rainfall statements of the month as had been published in the Government Gazettes by the Provincial Governments prior to the date of the publication of th review. The brief notes on solar, seismic and magnetic di turbances have been supplied by the chief observatories.

For a statement of the methods adopted in recordir and tabulating the data, for each of the elements observation, reference should be made to the introductor portion of the review for January.

Summary of the chief features of the weather in India during the month of May, 1906.

2. The weather during the month under review was warmer than is usual even in May, the warmest month of the year, the averages of both day and night temperatures having been almost generally above normal over India and Burma.

In maximum temperature the greater part of the country showed an excess of about two degrees, with detached areas, where the excess reached four degrees, in Burma, South India and the Central and United Provinces. Minimum temperature was above normal almost equally generally, the area of its greatest departure, which reached six degrees, covering parts of Rajputana and Central India.

Cloud amount was conspicuously less than usual, and its distribution was followed closely by those of absolute and relative humidity, as measured at the ground level.

Rainfall was nearly everywhere below the average, b amounts varying from 10 per cent. in Bengal and Orissa t 89 per cent. in the area comprising east Rajputana Central India and Gujarat. In distribution it was concen trated, as is usual in May, over the north-eastern parts c India, the Malabar coast, and Burma, and the heavy fall which regularly occur in the extreme south of the Peninsul and on the Tenasserim coast graded rapidly off in a north ward direction, in the Peninsula towards the area of dr weather, in north Bombay and in the south of Burma towards the interior.

No serious depressions or cyclonic storms were formed over the Arabian Sea or the Bay of Bengal, the weather having been characterised throughout the month by quiet conditions over the sea.

Solar, seismic and magnetic disturbances.

KODAIKANAL OBSERVATORY.

3. *Solar Observations.*—Observations were made on every day during the month, but on the 10th and 30th it was not possible to make prominence observations.

Sunspots.—The number of new groups seen during the month was 20, and the mean daily number of spots was 4·1. These numbers are considerably less than for the two preceding months, but as many of the spots seen in May were larger than the average, it is probable that there was no considerable falling off in the spotted area. The distribution of spots between the two hemispheres continues to be quite abnormal since 15 out of the 20 groups were in the northern hemisphere. Of the 20 groups in both hemispheres, only 5 had a latitude greater than 20°. The large spots of the month were Nos. 841, 842, 846, 849 and 850, but of these only Nos. 846 and 849 call for special notice. The former of these was first seen as a small single dot not far from the east limb on the 10th, and for the next two days there was no marked change in its appearance. On the morning of the 13th it was found to have developed into a scattered group of small spots. The C line was then brilliantly reversed over the group, dark C was displaced to violet, and D 3 was dark over the whole group. The group continued to increase in size, and by the 15th had formed into a regular double spot group with a number of small spots between the two main ones. No further marked change was observed up to the time of its disappearance round the west limb, but on most days the region of the group continued to show C bright and D3 reversed. No. 849 came round the east limb on the 19th as a train of 3 spots, the largest leading. The rear spot, which was the smallest, broke up into small dots on the 24th and the middle one similarly broke up two days later. The leader alone completed its course across the disc.

Prominences.—These were as numerous as in the preceding month, and 44 were upwards of 1 minute in height. The tallest of the month was one photographed on the 19th in calcium light. It was 108,000 miles high and was a narrow straight jet showing fine details in its structure. Only a trace of the base was seen in hydrogen light. It was within 10° of the sun's north pole. Four metallic prominences and 6 other prominences in which C was displaced were observed.

There were moderate magnetic disturbances from 14 h. to 19 h. on the 14th and from 7 h. 30 m. to midnight on the 15th, and at these times groups 847 and 846, respectively, were approaching the central meridian.

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

BOMBAY OBSERVATORY.

Note on the Colaba and Alibag Records.

4. During the month the traces showed 16 calm days, 14 days of small, and one day of moderate, disturbances.

Movements suspected to be due to seismic causes occurred on the 6th, 7th, 10th and 14th at about 23, 17, 22, and 2 hours, respectively, the strain lasting for about 5 hours in the first case, 12 hours in the second, 8 hours in the third, and 5 hours in the fourth case.

The days selected as quiet for the purposes of the magnetic survey of India are the 2nd, 5th, 17th, 23rd and 30th.

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

Declination	1° 3′ 20″ east.
Horizontal Force	·36886 C.G.S. unit.
Dip	23° 7′·3
Horizontal Force range	·00049 C.G.S. unit.
Horizontal Force summed range	·00342 C.G.S. unit.
Declination range	5′·47.
Declination summed range	21′·77.

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

Three small seismic disturbances were recorded during the month, one on the 2nd and two on the 12th.

Magnetic disturbances.

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

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

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

CALCUTTA OBSERVATORY.

5. *Alipore.*—List of displacements recorded by the seismograph at the Alipore Observatory during May 1906.

Date 1906.	P. T. Commencement. G. M. T.	L. W. Commencement. G. M. T.	Maxima. G. M. T.	End. G. M. T.	Maximum amplitude in m.m.	Duration.	REMARKS.
	H. M.	H. M.	H. M.	H. M.	•	H. M.	
12-5-06	5-37·7	5-53·5	5-54·0	6-34·7	10·50	0-57·0	
17-5-06	9-53·5	10-32·6	10-45·9	11-50·9	2·50	1-57·4	
18-5-06	21-1·1	...	21-8·2	21-12·3	1·00	0-11·2	
20-5-06	10-7·2	10-20·4	10-22·0	10-28·6	0·50	0-21·4	Doubtful.

• Measured from the base line.

The local times of the commencement were :—

Date 1906.	H. M.
May 12	11-31·0
„ 17	15-46·8
„ 19	2-54·4
„ 20	16-0·5

C. W. PEAKE,
Assistant Meteorological Reporter to the Government of India.

SIMLA OBSERVATORY.

6. List of earthquakes recorded by the Omori-Ewing seismograph.

Date.	Commencement of P. T. G. M. T.	End of P. T. G. M. T.	Beginning of L. W. G. M. T.	Maxima. G. M. T.	End approximately. G. M. T.	Duration approximately.	Maximum amplitude in m. m.	REMARKS.
	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.		
7th	...	...	...	2 17·3	...	0 2·0	0·2	Local.
10th	...	...	...	19 48·2	...	0 0·1	0·1	„
15th	...	...	20 19·1	...	20 36·1	0 17·0	...	Tremor.
17th	...	...	...	5 53·7	...	...	0·02	Local.
18th	...	...	11 38·7	11 39·5	11 43·5	0 4·8	0·3	„
„	...	...	21 10·2	...	21 14·7	0 4·5	...	Tremor.
20th	...	...	11 12·2	11 13·5	11 30·0	0 18·8	0·2	Local, felt in Kashmir.
24th	...	...	...	14 7·9	...	0 0·1	0·1	Local.

The shock on the 20th was evidently felt over a large part of Kashmir, as it was reported from Skardu, Dras, Sonemarg and Leh. It was not, however, severe, and no damage was reported to have been done. At Chumbi an earthquake strong enough to shake buildings occurred on the 4th at 4 hrs. 25 mins. approximately, and lasted for several seconds.

J. PATTERSON,
Deputy Meteorologist.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

7. *Solar Observations.*—With the exception of the 15th, 30th and 31st, all days of the month were favourable for observations. Sunspots groups were visible throughout the good weather, and ranged from one to four in number; faculæ were noted on most days of the month, and single spots occurred on the 8th, 9th and 26th.

Magnetic disturbances.

Day.	Time.	Disturbance.
6 to 7	18 h. to 1 h.	Small fluctuations in H. F., followed by a sharp decrease of force (12).
9	0 h.—4 h.	Small fluctuations in H. F., with wave (+32) from 1½ h. to 2¼ h.
14	0½ h.	Sudden increase of H. F. (16).
14	12¾	Sudden increase of H. F. (21), followed by a shallow wave (—40), from 14 h. to 16½ h. small fluctuations till 14 d. 23 h.
15	10	Sudden increase of H. F. (11), followed by a gradual decrease (92), till 13½ h., and a wave of (—40) from 15¾ h. to 18 h. Small fluctuations in declination.
19	0 h. — 1½ h.	Double wave in H. F. (—3 to +9).
19	21 h. — 22½ h.	Wave in H. F. (+17).
20	7 h. — 11½ h.	Wave in H. F. (+32).
21	0 h. — 2 h.	Wave in H. F. (+32).
23	0½ h.	Sudden increase of H. F. (9).
24	10½ h.	Sudden increase of H. F. (9).
25	0¼ h.	Sudden increase of H. F. (10).
27	21½ h. — 23¼ h.	Gradual decrease of H. F. (20) followed by a wave (+20) from 27 d. 23½ h. to 28 d. 0¼ h.

The measurements are given in C. G. S. measure (unit =·00001) for horizontal force (H. F.) and vertical force (V. F.), and in minutes of arc for declination.

Weather in the Indian monsoon region.

8. The following table shows the conditions of average pressure and wind, and of rainfall for the month in the southern Indian Ocean:—

	Mauritius.	Zanzibar.	Seychelles.
Pressure departure . . .	+·019	+·015	—·015
Actual mean wind direction .	S 58° E	S 2° W	S 33° E
Normal mean wind direction .	S 65° E	S 5° E	S 39° E
Actual mean wind velocity (miles per diem).	247	190	172
Normal mean wind velocity (miles per diem).	246	194	173
Rainfall departure . . .	+0·36	+5·06	—1·04

Pressure did not differ to any large extent from the normal, but at Mauritius the departure lay on the side which is prejudicial, as far as it goes, to the interests of a good monsoon. Wind direction and strength appear to have closely approached their normal values over the area represented by the three stations with which the table deals.

The rainfall recorded at Mauritius was slightly above the average for May; and at Zanzibar and Seychelles the falls were respectively largely above and slightly below the normal amounts for those stations.

Depressions and cyclonic storms.

9. The weather in the Arabian Sea and the Bay of Bengal was singularly free from disturbances tending towards the formation of cyclonic storms, and quiet conditions were general throughout the month.

Over the land area the only noticeable tendencies towards depression occurred in the north-west and Kashmir. In these regions a widespread fall of pressure was evidenced on the 5th, and continued to develop until the 8th, when pressure was a fifth of an inch below normal over a large area, and more than a tenth of an inch in defect over the whole of north-west India. A read-justment occurred during the next two days, and very little rain, almost confined to Kashmir, accompanied the condition of low pressure.

A second rapid fall had occurred by the morning of the 12th and continued till the 14th, but little or no rainfall resulted from its action. Its influence was felt also in Assam during the 14th and 15th. In the third week pressure fell rapidly again over the same area between the 21st and 23rd. Skies in Kashmir were heavily clouded by the 24th, and nearly general rain was reported from that region on the next morning.

Lastly, a fall which was felt in the north-west between the 27th and 30th resulted in light rain in Kashmir and the Punjab Himalayas.

Pressure.

10. The low mean pressures of April in northern India persisted during May, defects which varied from —·010″ in Sind to —·040″ in the United Provinces and north-east India having been nearly general over the whole area to the north of the Peninsula. From this region southwards conditions were more uniform and nearly normal, with a slight tendency towards a pressure excess on the Bombay side. Averaged over the whole Indian area the mean readings of the barometer in the plains were as much as ·022″ below their normal values for the month.

In the hills there was slight excess in Baluchistan, normal pressure in Rajputana, Central India and South India, and defects of pressure in north-west India and at Darjeeling which were smaller than in the adjoining plains.

Apart from the series of rapid falls of the barometer in Kashmir and the north-west, which have been described in §9, the only noticeable features of the daily pressure distributions during the month lay in the variation in latitude of the trough of low pressure which lies over northern India during the hot weather months, and in the very steep gradients across India from west to east which prevailed during the last ten days.

The table following gives the departures of mean pressure recorded in the 11 meteorological provinces:—

Meteorological Province.	Departure from normal of pressure.
	″
Burma Coast and Bay Islands	—·026
Burma Inland	—·053
Assam	—·046
Bengal and Orissa	—·037
Gangetic Plain and Chota Nagpur	—·044
Upper Sub-Himalayas	—·032
Indus Valley and North-West Rajputana	—·027
East Rajputana, Central India and Gujarat	—·011
Deccan	—·011
West Coast	+·011
South India	—·002

In the southern Indian Ocean pressure was in excess at Mauritius, and in slight excess and slight defect respectively, at Zanzibar and Seychelles.

Temperature.

11. The monthly average of mean temperature was slightly high over India and Burma by far the greater portion of the whole area, showing an excess over normal of two degrees, while small regions of four degrees excess occurred in Central India and Burma.

In Bengal and the extreme north-west this average condition was not even approximately adhered to throughout the month, but resulted from the balance of periods of large excess and of almost equally large defect of temperature. Thus during the first week weather in Bengal was from six to ten degrees warmer than usual, during the second and third weeks a cold spell was experienced, while by the fourth week weather had again become very hot, temperatures being then much higher than is to be expected at the end of May. In the extreme north-west of India the changes were generally of a character similar to those in Bengal, but of opposite sign. Night temperatures were inclined to be high in Central India and the south-east of Rajputana, and consequently the mean monthly diurnal range was slightly smaller there than is normally the case.

The charts on Plates III and IV show the relations of hill station temperature departures during May with those of the adjoining plains.

At some stations temperatures have passed the limit previously recorded in May. Such are:—

Division.	Station.	Lowest minimum temperature, recorded in May, 1906.	Date on which recorded.	Lowest minimum temperature, recorded in May previous to 1906.	Year in which recorded.	Highest maximum temperature recorded in May 1906.	Date on which recorded.	Highest maximum temperature recorded in May previous to 1906.	Year in which recorded.
		°		°		°		°	
Burma	Bhamo	63·1	7th	64·1	1904 & 1905	...	...	...	...
Assam	Dibrugarh	64·5	1st	64·0	1903 & 1904	...	...	...	...
"	Dhubri	...	...	...	...	103·3	1st, 2nd	100·7	1899
Bengal	Cooch Behar	64·6	23rd	65·6	1902	...	...	...	...
Madras Coast	Masulipatam	...	...	...	...	117·7	25th	115·7	1898
South India	Tinnevelly	...	...	...	...	107·1	17th	106·6	1898, 1900

The following tables give temperature details for the 57 meteorological divisions and average conditions for the 11 meteorological provinces of the empire:—

Province.	Division.	Actual temperature. Mean maximum.	Mean minimum.	Monthly mean of mean between maximum and minimum.	Mean daily range of temperature.	Absolute range during month.	Departure from normal of month of Maximum.	Minimum.	Daily range.
		°	°	°	°	°	°	°	°
Burma	Tenasserim	91·2	78·4	84·9	12·8	24·0	+2·2	+2·0	+0·2
	Lower Burma (Deltaic)	93·5	79·1	86·3	14·4	27·6	+2·8	+1·4	+1·4
	Central do.	102·4	80·2	91·3	22·2	35·7	+5·3	+3·0	+2·3
	Upper do.	100·5	77·5	89·0	22·9	36·7	+4·9	+2·0	+2·9
	Arakan	92·8	78·9	85·9	13·9	25·7	+2·2	+0·7	+1·5
Bengal and Assam	Eastern Bengal	90·7	75·2	83·0	15·5	30·4	+0·3	—0·2	+0·5
	Assam (Surma)	89·0	72·3	80·7	16·7	26·3	+0·3	—0·2	0·5
	Do. (Hills)	74·6	60·5	67·6	14·1	27·2	...	...	...
	Do. (Brahmaputra)	86·8	72·0	79·4	14·7	31·8	+0·6	+0·3	+0·3
	Deltaic Bengal	97·0	78·8	87·9	18·2	36·2	+1·4	+0·7	+0·7
	Central do.	98·4	76·9	87·7	21·5	42·4	+1·3	+0·5	+0·8
	North do.	91·3	73·7	82·5	17·5	36·9	+2·4	+0·4	+2·0
	Bengal Hills	65·8	52·9	59·3	12·9	26·1	+2·0	+0·3	+1·7
	Orissa	98·3	80·1	89·2	18·2	33·1	+1·8	+0·6	+1·2
	Chota Nagpur	104·8	79·2	92·0	25·7	40·5	+2·1	+1·4	+0·7
	South Bihar	104·1	80·7	92·4	23·5	40·2	+0·8	+1·7	—0·9
	North do.	97·7	76·1	87·0	21·6	41·5	+0·7	—0·2	+0·9

Province.	Division.	Actual temperature.					Departure from normal of month of		
		Mean maximum.	Mean minimum.	Monthly mean of mean between maximum and minimum.	Mean daily range of temperature.	Absolute range during month.	Maximum.	Minimum.	Daily range.
		°	°	°	°	°	°	°	°
United Provinces of Agra and Oudh.	United Provinces (East)	107·8	81·5	94·7	26·4	41·8	+1·6	+2·3	—0·7
	Oudh (South)	106·4	79·7	93·1	26·7	42·5	+1·4	+1·9	—0·5
	Do. (North)	103·8	78·1	91·0	25·7	44·7	+0·8	+0·2	+0·6
	United Provinces (Central)	110·4	85·3	97·9	25·1	39·9	+3·1	+4·0	—0·9
	Do. (West)	108·4	82·9	95·7	25·5	41·3	+3·3	+4·2	—0·9
	Do. (Submontane, East)	102·6	78·4	90·5	24·2	44·1	+1·6	+1·1	+0·5
	Do. (Submontane, West)	103·7	76·3	90·0	27·3	41·9	+3·2	+2·5	+0·7
	Do. (Hills)	78·9	60·7	69·9	18·2	35·3	+3·4	+3·3	+0·1
Punjab	Punjab (South-East)	108·7	84·0	96·4	24·7	39·1	+4·0	+3·8	+0·2
	Do. (South)	107·6	79·8	93·7	27·9	45·1	+2·4	+2·9	—0·5
	Do. (Central)	108·5	77·3	92·9	31·2	48·7	+2·8	+4·7	—1·9
	Do. (Submontane)	105·5	76·9	91·2	28·5	48·2	+2·8	+3·0	—0·2
	Do. (Hills)	70·5	48·7	59·7	21·8	43·1	—1·4	+0·1	—1·5
	Do. (West)	109·2	80·0	94·6	29·1	45·1	+2·6	+2·3	+0·3
N.-W. F. Province	N.-W. F. Province	102·3	74·1	88·2	28·2	46·8	+0·9	+1·7	—0·8
Bombay and Malabar Coast Districts (Madras).	Malabar	89·6	78·7	84·2	10·8	17·9	+0·4	+0·5	—0·1
	Madras (South Central)	100·0	76·7	88·4	23·3	33·2	+2·9	+2·1	+0·8
	Coorg	82·4	65·1	73·8	17·3	30·9	+2·1	+0·2	+1·9
	Mysore	95·6	70·4	83·0	25·2	34·6	+4·4	+1·3	+3·1
	Konkan	90·8	81·7	86·3	9·1	15·8	+0·5	+1·3	—0·8
	Bombay Deccan	101·8	73·5	87·7	28·2	37·9	+2·4	+0·7	+1·7
	Hyderabad (North)	106·7	79·8	93·2	26·9	34·6	...	...	...
	Khandesh	106·5	74·9	90·7	31·7	42·6	+4·8	+1·4	+3·4
Central Provinces and Berar.	Berar	110·7	82·3	96·5	28·4	38·7	+3·0	+1·8	+1·2
	Central Provinces (West)	110·2	82·9	96·6	27·2	38·7	+2·4	+1·9	+0·5
	Do. (Central)	109·4	82·4	95·9	27·0	38·0	+3·4	+3·3	+0·1
	Do. (East)	109·2	83·6	96·4	25·6	36·4	+3·4	+2·4	+1·0
Bombay (North)	Gujarat	105·6	78·9	92·4	26·7	40·8	+1·6	+0·6	+1·0
	Kathiawar and Cutch	98·6	78·1	88·3	20·5	32·0	+0·6	+0·7	—0·1
	Sind	106·6	79·7	93·2	26·9	43·2	+2·8	+1·2	+1·6
	Baluchistan Hills	86·0	54·4	70·3	31·6	46·8	—1·9	+0·3	—2·2
Rajputana and Central India.	Central India	107·8	81·9	94·9	25·9	39·2	+2·9	+3·9	—1·0
	Rajputana (East),	108·5	84·6	96·6	23·9	37·6	+3·3	+4·3	—1·0
	Do. (West)	109·9	82·7	96·3	27·2	42·7	+3·3	+2·8	+0·5
Madras	East Coast (North)	96·3	82·2	89·3	14·1	28·6	+1·9	+0·7	+1·2
	Hyderabad (South)	107·2	82·0	94·6	25·3	35·9	+2·8	+2·3	+0·5
	Madras (Central)	107·9	82·9	95·4	25·0	33·9	+3·4	+2·2	+1·2
	East Coast (Central)	104·6	83·4	94·0	21·2	37·7	+1·5	+1·6	—0·1
	Do. (South)	102·6	81·7	92·1	20·9	33·5	+2·7	+1·8	+0·9
	Madras (South)	98·3	79·2	88·4	19·1	30·1	+1·5	+1·2	+0·3

Meteorological Province.	Departure from normal of		
	Mean maximum temperature.	Mean minimum temperature.	Mean temperature.
	°	°	°
Burma Coast and Bay Islands	+2·7	+1·8	+2·3
Burma Inland	+5·1	+2·1	+3·6
Assam	+0·5	+0·1	+0·3
Bengal and Orissa	+1·1	+0·2	+0·7
Gangetic Plain and Chota Nagpur	+1·6	+1·5	+1·6
Upper Sub-Himalayas	+3·1	+3·1	+3·1

Meteorological Province.	Departure from normal of		
	Mean maximum temperature.	Mean minimum temperature.	Mean temperature.
	°	°	°
Indus Valley and North-West Rajputana.	+2·4	+1·9	+2·2
East Rajputana, Central India and Gujarat.	+2·2	+2·9	+2·5
Deccan	+3·1	+2·1	+2·6
West Coast	+0·3	+1·0	0·7
South India	+2·8	+1·6	+2·2

Winds.

12. Round the head of the Bay of Bengal winds showed nearly normal direction, velocity and steadiness, but at Akyab and Diamond Island much of their usual southerly component was missing, and there was a markedly greater strength and steadiness than was to have been expected. In the Andaman Islands, at Port Blair, wind records showed much westing, high velocity and normal steadiness.

In the Peninsula the winds of the Deccan and the west coast lost much of their north component, while further south in South India the reverse was the case, so that on the whole there was a tendency to greater uniformity of direction than usually occurs. On the Bombay coast mean velocity was below the normal, but in the interior no great deviation from average conditions was generally felt.

In the hills winds were steady, and except at Srinagar and Chakrata, blew from their usual directions.

Humidity and cloud.

13. Both humidity and cloud presented on the mean of the month the same features in May as in April, the greater part of India and Burma having had clearer skies and a drier atmosphere than is normal for the time of year. The maximum defect in humidity again occurred in the Peninsula and was centred between Ahmednagar and Malegaon.

The main changes since the preceding month lay in an increase with regard to the normal of the absolute humidity on the west coast and over the area bounded by lines joining Sirsa, Pachpadra and Jacobabad, and in a decrease of both humidity and cloud in Burma and Assam.

The general features may best be gathered by a reference to Plates V and VI, and to the following table:—

Meteorological Province.	Mean absolute humidity.		Mean relative humidity.		Mean cloud amount.	
	Average actual.	Departure from normal.	Average actual.	Departure from normal.	Average actual.	Departure from normal.
	"		%			
Burma Coast and Bay Islands.	·907	−·006	79	− 3	5·6	−1·0
Bengal and Orissa.	·938	+·007	78	− 2	4·5	−0·7
Gangetic Plain and Chota Nagpur.	·508	+·002	38	− 3	2·2	−0·6
Upper Sub-Himalayas.	·446	−·003	33	− 6	1·0	−1·1
Indus Valley and North-West Rajputana.	·660	+·046	50	0	2·1	0
East Rajputana, Central India and Gujarat.	·432	−·075	31	− 7	0·9	−1·0
Deccan . . .	·480	−·002	37	− 2	2·6	−0·5
West Coast . .	·895	+·018	75	− 1	2·2	−0·8
South India . .	·708	+·011	60	− 4	4·3	−0·7

Rainfall.

14. Rainfall in May is ordinarily light, except in Burma, north-east India and the south of the Peninsula. In May, 1906, the amounts received were everywhere below the normal values, excepting in the rainfall divisions of Arakan, Eastern Bengal and South Oudh. Reference to the tables following and to the map of actual rainfall, Plate VII, will show that over most of the area comprising north Bombay, Rajputana, the south western Punjab and the south of the Frontier Province weather was uninterruptedly dry, and that the heaviest total falls occurred, as is usual in May, on the south of the Malabar coast, in south Burma, and in Eastern Bengal and Assam.

Thunderstorms, which are generally prevalent during May in the south of the Peninsula, were associated with the rainfall there throughout the month, and from the coast of Burma, also, their occurrence was frequently reported.

The distribution of rain in May over the several rainfall divisions and in the 11 meteorological provinces is shown in the two tables below :—

Province.	Rainfall Division.	Number of rainy days.		Rainfall.				Periods.	Remarks.
		Actual.	Normal, May.	Actual.	Normal, May.	Departure from normal.	Percentage departure.		
				Inches.	Inches.	Inches.	Per cent.		
Burma	Tenasserim	14·9	18·7	20·85	23·03	—2·18	— 9	13	Thunderstorms on coast.
	Lower Burma (Deltaic)	8·8	14·8	8·74	11·94	—3·20	— 27	16—31	
	Central do.	5·2	9·5	5·84	6·74	—0·90	— 13		
	Upper do.	6·1	8·2	3·50	5·92	—2·42	— 41		
	Arakan	9·0	12·0	13·55	12·45	+1·10	+ 9		
Bengal and Assam	Eastern Bengal	12·5	10·8	11·49	10·32	+1·17	+ 11		
	Assam (Surma)	19·1	16·1	17·53	17·65	—0·12	— 1	1—7	Scattered.
	Do. (Hills)	14·6	15·2	12·42	15·10	—2·68	— 18	8—24	
	Do. (Brahmaputra)	13·4	14·5	9·30	12·08	—2·78	— 23	30th	
	Deltaic Bengal	7·0	8·0	4·78	6·15	—1·37	— 22		
	Central do.	5·7	6·3	3·37	4·57	—1·20	— 26		
	North do.	11·0	11·6	9·73	11·35	—1·62	— 14		
	Bengal Hills	12·0	13·6	7·97	8·66	—0·09	— 8		
	Orissa	4·1	4·9	2·41	3·62	—1·21	— 33		
	Chota Nagpur	2·6	3·8	1·07	2·30	—1·23	— 53		
	Bihar (South)	1·5	2·1	0·92	1·42	—0·50	— 35		
	Do. (North)	3·6	4·1	2·38	3·02	—0·64	— 21		
United Provinces of Agra and Oudh.	United Provinces (East)	0·7	0·9	0·48	0·48	0	0		
	Oudh (South)	1·3	1·1	0·74	0·52	+0·22	+ 42		
	Do. (North)	1·4	1·7	0·56	0·96	—0·40	— 42		
	United Provinces (Central)	0·2	0·9	0·07	0·36	—0·29	— 81		
	Do. do. (West)	0·2	1·2	0·04	0·45	—0·41	— 91		
	Do. do. (East Sub-montane)	1·4	1·9	0·56	1·18	—0·62	— 53		
	Do. do. (West do.	1·0	1·8	0·35	0·83	—0·48	— 58		
	Do. do. (Hills)	3·8	4·3	1·73	2·04	—0·31	— 15		
Punjab	Punjab (South-East)	0·2	1·4	0·05	0·56	—0·51	— 91		
	Do. (South)	0·3	1·1	0·10	0·48	—0·38	— 79		
	Do. (Central)	0·5	1·5	0·13	0·65	—0·52	— 80		
	Do. (Submontane)	0·7	1·8	0·22	0·84	—0·62	— 74		
	Do. (Hills)	2·5	4·1	0·67	2·20	—1·53	— 70		
	Do. (West)	0·3	0·9	0·08	0·42	—0·34	— 81		
N.-W.F. Province	North-West Frontier Province	1·0	2·0	0·57	0·87	—0·30	— 34		
Bombay and Malabar Coast Districts (Madras).	Malabar	6·7	8·2	4·21	7·11	—2·90	— 41	1—4	Chiefly thunderstorms.
	Travancore	10·4	...	6·58	...	...	...	7—16	
	Madras (South, Central)	3·7	6·0	1·91	4·12	—2·21	— 54	18	
	Coorg	7·5	...	4·33	...	...	...	21	
	Mysore	3·1	5·7	1·68	3·67	—1·99	— 54	28—30	
	Konkan	0·3	1·8	0·10	1·47	—1·37	— 93		
	Bombay Deccan	2·0	3·1	1·03	1·71	—0·68	— 40		
	Hyderabad North	0·5	1·5	0·14	0·68	—0·54	— 79		
	Khandesh	0·1	1·1	0·06	0·63	—0·57	— 90		
Central Provinces and Berar.	Berar	0·2	0·9	0·10	0·42	—0·32	— 76		
	Central Provinces (West)	1·2	0·9	0·36	0·43	—0·07	— 16		
	Do. (Central)	0·5	1·0	0·17	0·49	—0·32	— 65		
	Do. (East)	0·6	1·7	0·18	0·80	—0·62	— 78		
Bombay (North)	Gujarat	0	0·4	0·01	0·22	—0·21	— 95		
	Kathiawar and Cutch	0	0·4	0	0·23	—0·23	—100		
	Sind	0	0·3	0	0·10	—0·10	—110		
	Baluchistan Hills	0·1	0·6	0·03	0·20	—0·17	— 85		
Rajputana and Central India.	Central India (East)	0·1	0·7	0·05	0·32	—0·27	— 84		
	Rajputana (East), Central India (West).	0·3	1·1	0·09	0·44	—0·35	— 80		
	Do. (West)	0	0·7	0·01	0·31	—0·30	— 97		
Madras	East Coast (North)	1·6	3·5	0·67	2·33	—1·66	— 71		
	Hyderabad South	0·9	1·9	0·27	0·99	—0·72	— 73		
	Madras (Central)	1·2	3·0	0·78	1·72	—1·22	— 71		
	East Coast (Central)	0·7	1·7	0·23	1·43	—1·20	— 84		
	Do. (South)	1·3	3·2	0·63	2·52	—1·89	— 75		
	Madras (South)	3·1	2·9	1·63	1·87	—0·24	— 13		

METEOROLOGICAL PROVINCE.	RAINFALL. Mean actual. (a)	Mean normal for May. (b)	Departure from normal. (c)	Percentage departure from normal.
	Inches.	Inches.	Inches.	
Burma Coast and Bay Islands	15·80	14·66	+2·23*	+15
Burma Inland	3·50	5·41	−1·68*	−31
Assam	9·52	13·30	−3·78	−28
Bengal and Orissa	6·47	7·33	−0·72*	−10
Gangetic Plain and Chota Nagpur	0·99	1·63	−0·64	−39
Upper Sub-Himalayas	0·18	0·91	−0·74*	−81
Indus Valley and North-West Rajputana.	0·12	0·42	−0·30	−71
East Rajputana, Central India and Gujarat.	0·04	0·38	−0·34	−89

METEORLOGICAL PROVINCE.	RAINFALL. Mean actual. (a)	Mean normal for February. (b)	Departure from normal. (c)	Percentage departure from normal.
	Inches.	Inches.	Inches.	
Deccan	0·46	0·89	−0·39*	−44
West Coast	3·48	5·14	−1·66	−32
South India	1·26	2·25	−0·99	−44

* A reference to table I will show that some of the stations contained in the Provinces of the above table have not yet had normal values of rainfall assigned to them. For this reason the figures of columns *b* and *c* are based on a smaller number of stations than are those of column *a*, and hence the sum of the figures in columns *b* and *c* will not in general agree with the figures in column *a*.

Rainfall in the southern Indian Ocean was, as far as it is indicated by records from Mauritius, Seychelles and Zanzibar, slightly above normal in the extreme south, in some defect over the open sea near the equator, and in considerable excess in the same latitude close to the African coast.

Snowfall.

I.—NORTH-WEST FRONTIER PROVINCE.

15. (1) *Kurram.*—There were slight falls of snow on the higher peaks of the Sufed Koh.

(2) *Chitral.*—A slight fall occurred on the 2nd on the hills to the east, north and west of Chitral. On the 19th the accumulation ranged from nil on the hills to the east and south, to 4 or 5 inches on the western ranges. It was on the other hand very deep on the northern ranges.

(3) *Drosh.*—Moderate snow is reported to have fallen on the 2nd on the surrounding hills.

II.—KASHMIR.

(1) *Kashmir.*—Weather was generally unsettled, with snow at the higher altitudes and rain in the valleys. At the end of the month deep snow lay on the higher ranges.

(2) *Kailang.*—Snow to a depth of 3½ inches fell on the 3rd.

III.—EASTERN TURKESTAN.

Kashgar.—Kashgar and Chichilik passes which lie south-west of Kashgar and are about 12,000 feet in elevation, were covered with snow at the end of the month. Owing to the late fall of snow upon the summit the Chichilik pass was rather difficult for travellers to cross. On the 20th it was found impassable by two caravans. There was an unusually late and heavy snowfall on the Mintika pass, and on the 17th snow was found a mile above Murkushi on the Gughal side and about 3 miles from the junction of the Mintika and Kilik streams on the Taghdombash side and towards the Mintika pass. Yaks could go up to the foot of the pass on the Hunza side, but on the 17th in travelling towards the pass on the Taghdombash side they could not proceed beyond Lupguz in the Mintika valley, 4 miles from the northern foot of the Mintika pass.

There was about 6 feet of snow lying at the beginning of June on the summit of the Terck Diwan (between Kashgar and Drosh) which was accordingly impracticable for the passage of laden animals.

IV.—PUNJAB.

(1) *Simla Hill Districts.*—There were three light falls of snow in the Simla hills extending down to about 11,000 feet. The accumulation at the end of the month was slightly deeper than at the corresponding period of last year. All the passes except two were open.

(2) *Pangi District.*—A severe snow storm occurred from the 7th to the 10th down to a level of about 10,000 feet, the Sach pass receiving a fall of 2½ feet. At the close of the month the accumulation on the Sach pass was 10 feet in depth.

(3) *Kangra.*—There were a few falls down to about 12,000 feet. Dry hot weather prevailed during the greater part of the month and the snow was disappearing fast.

V.—UNITED PROVINCES.

(1) *Almora.*—There were frequent falls on the higher ranges. The total fall measured 17½ feet on the Nuwe pass, and the snow line descended lower than usual during May. At the close of the month snow was reported to be 30 feet deep on the Nuwe pass, as compared with 17 feet on the same date last year.

(2) *Garhwal.*—Snow to a depth of about 2 feet is reported to have fallen in the first week on the higher ranges to the north.

Resumé of the preceding information.

16. (*a*) The snowfall of the month was on the whole larger than usual, the excess being slight to moderate in amount.

(*b*) Snow fell to a lower level than usual during May in the Kumaon Himalayas and in parts of the Punjab Himalayas.

(*c*) The accumulation as reported in eastern Turkestan and parts of the western Himalayas was in large excess.

Crop Report.

17. *Burma.*—Rainfall increased from slight to heavy as the month passed. Reaping of dry weather paddy and sowing of wet weather crops were in progress during the month.

Eastern Bengal and Assam.—Crop prospects were fair, but in parts damage was done by floods caused by general rainfall.

Bengal.—Good rain was received throughout, except in the Patna Division where falls were light. Water-supply became scarce in Angul and Darbhanga in the third and fourth weeks. Sowing of jute and paddy was in operation at the end of the month.

United Provinces.—Prospects were generally fair, and cattle in good condition. Much scarcity of fodder and water occurred in Agra, Aligarh and Bundelkhand. Sowings were begun in the third week.

Punjab.—Crops were good generally, and harvesting and sowing were in progress during the last week. Water supply was throughout ample, fodder sufficient except in Gurgaon, and cattle remained in good condition.

North-West Frontier Province.—Crops were good except in Dera Ismail Khan, where the produce of unirrigated areas was below the average. Autumn crops were being sown at the end of the month. Cattle remained in good condition, except in parts of Peshawar and Bannu.

Kashmir Jummu.—Spring crops promised well.

Rajputana.—Insufficiency of water was felt in the hill tracts and in some other parts including Ajmer. Fodder was scanty, and the condition of cattle was consequently poor in affected districts. Preparations for sowings were in progress.

Central India.—Cattle were poor in Gwalior and pasture bad both there and in Bundelkhand. Sowing preparations were being continued up to the last week.

Central Provinces.—Rainfall was confined to light local showers and thunder showers. Water and fodder scarcity was felt in Saugor, Chanda, Bilaspur, Akola and Yeotmal. Preparations for autumn sowings were in hand during the closing week.

Bombay.—Good rain fell during the first week in parts, and light local rain continued during the rest of the month. Standing crops were slightly damaged in places by rats and locusts, but in general remained good. Trouble was felt from the drying up of tanks, and irrigation supplies and drinking water were scarce. Preparations for autumn cultivation were in hand at the close.

Hyderabad.—Harvests of late rice and preparations for autumn sowings were undertaken. Considerable scarcity of water and fodder was felt.

Mysore.—Crops withered in parts from want of rain, but except in Kolar and Tumkur prospects remained fair. Fodder was scarce locally and cattle in bad condition in affected parts.

Coorg.—Water and fodder were sufficient, and ploughing operations were in hand.

Madras.—Light rain fell throughout the month, but irrigation supplies were mainly insufficient. Standing crops were fair at the close, except where they had withered, as in parts of Bellary and Chingleput. Harvests continued up to the last week with varied outturn. Pasture was insufficient, but the condition of cattle nevertheless remained good.

J. H. FIELD.

Table I.—Abstract of Observations taken at 8 h. at 232 Stations in India, Burma, etc., in May, 1906.

Table

Abstract of Observations taken at 8 h. at 232

Number of rainfall division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 h., in inches.								Temperature of Air.												
			Mean 8 h. pressure reduced to 32°.	Departure from normal.	Mean 8 h. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 h. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	1.—Burma Coast and Bay Islands.			−·026								93·0	+2·7	78·8	+1·8	85·9	+2·3	14·1					26·
1	Car Nicobar	25																					
	Slipper Island	90	29·731		29·753	29·885	11th	29·553	29th	·302	84·9	91·6		80·9		86·3		10·7	95·7	12th	74·1	24th	21·6
	Port Blair	61	29·784	−·008	29·776	29·879	11th	29·678	24th	·201	83·9	91·7	+2·7	80·0	+1·6	85·9	+2·2	11·7	96·1	5 days	72·4	25th	23·7
	Mergui	96	29·770	−·015	29·795	29·864	11th	29·643	25th	·221	81·5	89·5	+0·4	76·8	+3·0	83·2	+1·7	12·7	95·4	8th	73·4	23rd	22·0
	Tavoy	19	29·850	−·016	29·801	29·960	13th	29·722	25th	·238	81·2	91·7	+3·3	76·9	+1·7	84·3	+2·5	14·8	98·5	1st	73·8	26th & 31st.	24·7
	Moulmein	94	29·720	−·042	29·752	29·855	13th	29·573	28th	·282	81·5	91·6	+2·3	77·5	+1·7	84·6	+2·0	14·1	99·4	2nd	71·3	31st	28·1
2	Rangoon	57	29·777	−·033	29·750	29·913	13th	29·604	31st	·309	82·8	96·4	+4·5	78·7	+1·4	87·6	+3·0	17·7	104·1	9th	70·9	31st	33·2
	Passein	27?	29·781	−·020	29·746	29·921	13th	29·602	28th	·319	84·1	94·9	+3·4	79·1	+2·1	87·0	+2·8	15·8	101·2	11th	72·4	31st	28·8
	Diamond Island	41	29·774	−·024	29·749	29·916	13th	29·572	28th	·344	84·8	89·2	+0·6	79·5	+0·7	84·4	+0·7	9·7	92·9	18th	72·2	30th & 31st.	20·7
5	Akyab	20	29·760	−·023	29·722	29·924	12th	29·482	30th	·442	83·9	92·8	+2·2	78·9	+0·7	85·9	+1·5	13·9	97·9	20th	72·2	8th	25·7
3	Toungoo	183	29·603	−·039	29·726	29·736	13th	29·432	30th	·304	85·3	100·3	+4·6	80·1	+3·4	90·2	+4·0	20·2	106·8	10th	73·1	31st	33·7
	II.—Burma Inland.			−·053								101·0	+5·1	77·9	+2·1	89·5	+3·6	23·1					36·
3	Thayetmyo	121	29·602	P	29·663	29·761	12th	29·348	30th	·413	87·8	104·4	+6·0	80·2	+2·5	92·3	+4·3	24·2	111·5	3rd	73·9	31st	37·6
4	Minbu	*165*	29·564	−·059	29·671	29·761	12th	29·387	30th	·374	86·3	103·4	+5·9	80·5	+2·8	92·0	+4·4	22·9	111·1	2nd	75·1	18th	36·0
	Yamethin	657	29·088	−·057	29·689	29·229	12th	28·891	30th	·338	84·7	100·9	+5·6	79·3	+3·1	90·1	+4·4	21·6	107·3	4th	72·2	20th	35·1
	Monywa	*280*	29·489		29·708	29·633	12th	29·313	31st	·320	85·7	103·3		79·6		91·5		23·7	112·7	5th	75·1	12th	37·6
	Mandalay	250	29·488	−·056	29·683	29·642	10th & 11th.	29·311	30th	·331	88·5	104·9	+5·9	82·2	+3·2	93·6	+4·6	22·7	112·6	6th	77·4	31st	35·2
	Myitkyina	458	29·285		29·702	29·430	13th	29·083	31st	·347	79·5	94·0		72·0		83·0		22·0	101·3	22nd & 27th.	64·1	7th & 8th.	37·2
	Bhamo	*381*	29·370	−·038	29·707	29·550	12th	29·175	31st	·375	78·9	95·9	+2·2	71·4	−1·3	83·7	+0·5	24·5	102·4	23rd	63·1	17	39·3
4(a)	Maymyo	3,545	26·338		26·283	26·478	12th	26·137	31st	·341	75·2	87·3		69·0		78·2		18·3	94·9	5th	64·1	11th	30·8
	Lashio	*2,751*	26·985	−·068	26·931	27·133	12th	26·817	31st	·316	77·4	93·0	+4·7	69·3	+2·5	81·2	+3·6	23·7	100·5	5th	66·0	10th	34·5
	III.—Assam.			−·046								87·1	+0·5	72·1	+0·1	79·6	+0·3	15·1					30·9
7	Silchar	104	29·654	−·044	29·712	29·850	17th	29·411	30th	·439	78·5	89·0	+0·3	72·3	−0·2	80·7	+0·1	16·7	94·5	31st	68·2	12th	26·3
9	Silsagar	333	29·428	−·043	29·721	29·606	13th	29·192	31st	·414	75·5	84·4	−1·5	72·5	+0·8	78·7	−0·4	11·9	96·2	29th & 30th.	66·9	1st	29·2
	Dhubri	115	29·604	−·052	29·676	29·774	12th	29·373	31st	·401	77·6	88·6	+2·7	72·9	−0·3	80·7	+1·2	15·7	103·3	1st & 2nd.	65·7	11 th	37·6
	Gauhati	195	29·563		29·713	29·724	13th	29·338	31st	·386	77·0	89·0		72·3		80·6		16·7	97·5	29th	68·0	2nd	29·5
	Tezpur	252	29·497		29·709	29·678	13th	29·279	31st	·399	75·9	86·8		72·3		79·5		14·5	97·2	30th	67·4	2nd	29·8
	Dibrugarh	353	29·401		29·717	29·572	13th	29·155	31st	·417	74·5	85·0		70·1		77·6		14·9	97·1	30th	64·5	1st	32·6
	IV.—Bengal and Orissa.			−·037								95·1	+1·1	76·7	+0·2	85·9	+0·7	18·3					26·1
6	Chittagong	87	29·661	−·042	29·695	29·801	17th	29·411	30th	·390	81·3	88·7	+0·1	75·5	+0·1	82·1	+0·1	12·2	91·7	4 days	66·6	13th	25·1
	Noakhali	43	29·694		29·684	29·886	17th	29·470	30th	·416	82·4	89·1		75·5		82·3		13·6	92·2	29th	65·0	13th	27·2
	Comilla	36	29·698		29·681	29·883	17th	29·476	30th	·407	81·3	91·5		74·9		83·2		16·6	95·8	1st	68·8	17th	27·0
	Sirajganj	49	29·645		29·647	29·776	12th	29·426	31st	·350	79·5	91·7*		74·7		83·1*		17·0	105·8	4th & 5th	67·2	17th & 18th.	38·6
	Narayanganj	26	29·710	−·021	29·684	29·917	17th	29·496	30th & 31st.	·421	81·0	91·4	+0·1	75·7	−0·1	83·6	0	15·7	96·1	1st & 7th.	69·3	10th	28·8
	Barisal	12	29·714	−·030	29·672	29·906	17th	29·497	30th	·409	84·3	91·7	−0·2	76·7	−0·7	84·2	−0·5	15·0	94·8	1st	65·1	14th	29·7
	Mymensingh	63	29·677	−·032	29·691	29·822	11th	29·467	31st	·355	80·2	89·8	+1·2	73·9	+0·1	81·9	+0·7	15·9	99·7	4th	66·0	12th, 17th & 20th.	33·7
	Faridpur	46	29·677		29·672	29·832	17th	29·478	31st	·354	81·3	91·8		75·0		83·4		16·8	101·3	4th & 7th.	66·4	8th	·93
10	Jessore	33	29·660	−·050	29·640	29·813	17th	29·456	31st	·357	83·1	95·2	+0·4	76·4	−0·4	85·8	0	18·8	106·5	6th	69·7	10th	36·8
	Calcutta (Alipore)	21	29·663	−·045	29·629	29·829	18th	29·437	31st	·392	85·3	97·2	+2·7	78·9	+1·5	88·1	+2·1	18·3	105·6	3rd & 6th.	70·4	10th	35·2
	Saugor Island	25	29·664	−·045	29·633	29·812	10th	29·456	30th	·356	86·7	93·0	+1·2	81·9	+0·9	87.5	+1·1	11·1	96·9	30th	69·0	8th	27·9

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

* Mean of 30 days.

NOTE 1.—When a query is inserted against any reading or in the returns of any station, the data for that

NOTE 2.—The data from which divisional means of the figure columns Nos. 40, 42, and 44 are derived,

NOTE 3.—The barometric readings are not reduced to sea-level in the cases of hill or plateau

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Stations in India, Burma, etc., in May, 1906.

Wind Direction. Number of winds from Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction,	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 h. Mean humidity at 8 h.	Departure from normal.	Mean vapour tension at 8 h.	Departure from normal.	Cloud. Mean cloud amount at 8 h.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st to 31st May 1906.	Normal rainfall for period, 1st to 31st May.	Departure from normal of period, 1st to 31st May 1906.	Heaviest rainfall during month.	Station.
5	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
														81	−4	·924	+·002	6·2	−0·8				15·80	14·66	+2·23					I.—Burma Coast and Bay Islands.
																														Car Nicobar.
1	1		1		2	10	10	6	S 80° W	16·6			16·9	76		·917		7·9		10			5·94						2·81	Slipper Island.
1	1	1		1	1	7	12	7	W	10·3	7·3	+41		83	−4	·968	+·002	7·1	+0·2	11			21·90	17·09	+4·81	21·90	17·09	+4·81	7·26	Port Blair.
22	1		1	1	3	1	2		S 18° W	2·1	2·1	+48	2·8	90	+2	·950	+·055	5·1	−1·2	18	18·00	0	25·89	19·26	+6·63	25·89	19·26	+6·63	6·10	Mergui.
29						2			S 45° W	2·5				84	−4	·886	−·008	5·8	−1·0	14	17·70	−3·70	23·66	26·05	−2·39	23·66	26·05	−2·39	10·00	Tavoy.
25				2	1	2	1		S 16° W	2·2	3·1	−29	2·4	84	−4	·900	+·013	8·0	+0·7	15	17·40	−2·40	21·33	19·40	+1·93	21·33	19·40	+1·93	5·52	Moulmein.
6	1		1	2	9		10	2	S 43° W	6·1	3·9	+56	5·6	81	−7	·908	−·010	6·7	−0·3	12	14·00	−2·00	15·74	11·22	+4·52	15·74	11·22	+4·52	9·05	Rangoon.
5	1				3	6	6	10	N 87° W	7·5†	5·0	+50		79	−7	·918	−·017	5·8	−0·2	7	12·10	−5·10	8·54	10·30	−1·76	8·54	10·30	−1·76	2·70	Bassein.
1	2				1	5	8	13	N 73° W	10·5	4·5	+133	10·5	76	−3?	·927	+·021	5·2	−2·0	10	11·18	−1·18	22·54	10·43	+12·11	22·54	10·43	+12·11	8·15	Diamond Island.
	1	15	2	6	3	2		2	N 73° E	6·1	7·0	−13	5·9	82	−2	·954	−·013	4·6	−2·3	8	11·50	−3·50	6·23	11·88	−5·65	6·23	11·88	−5·65	1·80	Akyab.
2	1			6	5	17			S 21° W	5·4	3·5	+54	5·3	74	−9	·900	−·023	5·6	−1·3	10	10·10	−0·10	6·18	6·28	−0·10	6·18	6·28	−0·10	1·41	Toungoo.
														66	−11	·767	−·065	3·5	−1·6				3·50	5·41	−1·68					II.—Burma Inland.
6					19		6		S 18° W	7·5	7·3	+3		61	−11	·787	−·056	3·5	−1·6	6	6·90	−0·90	4·49	4·13	+0·36	4·49	4·13	+0·36	1·63	Thayetmyo.
3				17	4	4	1	2	S 21° E	7·9			9·4	60	−17	·740	−·102	3·5	−0·9	6	6·40	−0·40	4·24	6·01	−1·77	4·24	6·01	−1·77	2·31	Minbu.
4				16	11				S 27° E	6·6			6·9	70	−7	·826	+·003	3·8	0	6	8·10	−2·10	3·57	6·76	−3·19	3·57	6·76	−3·19	1·44	Yamethin.
20	1	1		1	5		1	2	S 3° W	1·9			2·0	67		·798		3·9		9	7·20	+1·80	4·66	3·54	+1·12	4·66	3·54	+1·12	0·92	Monywa.
16	3	1		1	10				S 11° E	4·6			4·6	56	−15	·739	−·106	1·6	−3·3	4	6·60	−2·60	3·57	5·55	−1·98	3·57	5·55	−1·98	1·14	Mandalay.
	9	12	8	2					N 48° E	3·8			3·9	73		·749		4·5		7			2·10			2·10			0·62	Myitkyina.
14	3	7	1		1		2	3	N 12° E	8·6			10·1	74	−6	·728	−·063	3·5	−2·1	7	10·40	−3·40	1·86	6·46	−4·60	1·86	6·46	−4·60	0·32	Bhamo.
13			1	1	9	6	1		S 59° W	4·1				72		·622		4·5		8	12·80	−4·80	6·46	10·39	−3·93	6·46	10·40	−3·94	2·35	Maymyo.
6		10	3		2	1	1	8	N 15° E	4·7				65	−19	·602	−·068	4·1	−2·7	6			2·01	6·13	−4·12	2·01	6·13	−4·12	0·55	Lashio.
														86	−2	·790	−·007	6·1	−1·6				9·52	13·30	−3·78					III.—Assam.
31									Calm	0·3	3·4	−91	0·5	83	−3	·815	−·013	4·5	−2·8	20	16·50	+3·50	18·11	17·24	+0·87	18·11	17·24	+0·87	4·25	Silchar.
8	2	11	1	3		3		3	N 41° E	3·1	2·9	+7	2·8	91	−1	·807	−·017	7·2	−0·9	15	15·90	−0·90	12·62	12·62	0	12·62	12·62	0	1·95	Sibsagar.
4	2	6	17			2			N 76° E	8·0	7·0	+14	8·6	85	−2	·811	+·010	6·0	−1·0	14	15·70	−1·70	8·85	15·43	−6·58	8·85	15·43	−6·58	1·70	Dhubri.
18	4	6	1		1		1		N 31° E	1·9			2·1	85		·783		6·1		11	14·20	−3·20	6·52	9·76	−3·24	6·52	9·76	−3·24	1·50	Gauhati.
18		7	6						N 65° E	4·7			5·0	87		·777		6·4		13	14·10	−1·10	4·54	10·12	−5·58	5·44	10·12	−4·68	1·12	Tezpur.
26	1	2	1				1		N 30° E	0·8			0·8	87		·745		6·4		11	15·20	−4·20	6·48	14·60	−8·12	6·48	14·60	−8·12	1·55	Dibrugarh.
														78	−1	·880	−·004	4·5	−0·5				6·47	7·33	−0·72					IV.—Bengal and Orissa.
4		2	2	14	9				S 36° E	8·0	6·4	+25	7·3	80	−2	·861	−·047	5·6	−0·5	14	10·55	+3·45	11·82	10·31	+1·51	11·82	10·31	+1·51	3·02	Chittagong.
6		1	4	11	7	2			S 34° E	6·6			7·1	82		·904		4·6		13	10·45	+2·55	14·64	10·96	+4·58	14·64	10·06	+4·58	4·36	Noakhali.
5		2	2	14	8				S 37° E	7·4			6·3	81		·875		3·6		14	11·89	+2·11	9·77	11·01	−1·24	9·77	11·01	−1·24	2·76	Comilla.
7		1	5	16	1	1			S 53° E	5·9			5·9	85		·865		6·5		7	10·16	−3·16	5·13	7·95	−2·82	5·13	7·95	−2·82	2·40	Sirajganj.
		1	12	9	8	1			S 52° E	7·5	6·2	+21	6·4	87	+2	·935	+·006	6·7	+0·4	12	11·53	+0·47	9·71	9·44	+0·27	9·71	9·44	+0·27	1·85	Narayanganj
8		4	1	6	10	2			S 28° E	5·1			4·5	84	+2	·982	+·014	4·8	−1·5	12	9·84	+2·16	8·17	9·19	−1·02	8·17	9·19	−1·02	2·60	Barisal.
5		1	10	12	2			1	S 65° E	4·4			3·8	82	−3	·859	+·019	6·7	+0·5	15	13·48	+1·52	17·44	12·96	+4·48	17·44	12·96	+4·48	3·84	Mymensingh.
2			7	10	12				S 36° E	6·2			5·2	86		·925		5·3		10	10·72	−0·72	8·20	8·30	−0·10	8·20	8·30	−0·10	1·60	Faridpur.
22			6	4	8	1			S 34° E	2·7	4·9	−45	2·7	84	0	·953	−·019	5·3	−0·6	9	9·74	−0·74	8·95	7·94	+1·01	8·95	7·94	+1·01	1·69	Jessore.
	1	1	4	8	7	9	1		S 10° E	6·6	7·1	−7		80	+1	·975	+·031	5·0	0	6	7·46	−1·46	3·98	5·68	−1·70	3·98	5·68	−1·70	1·40	Calcutta (Alipoore.)
			1	6	14	7	2	1	S 5° W	21·5	15·2	+41		81	0	1·033	+·024	5·6	−1·4	4	6·71	−2·71	3·16	5·09	−1·93	3·16	5·09	−1·93	2·03	Saugor Island.

Mean of 28 days.

Station are not utilized in calculating the provincial departures from normal.
are incomplete.
Stations, the elevations of which exceed 3,900 feet.

Table

Abstract of Observations taken at 8 h. at 232

Number of rainfall division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 h., in inches.								Temperature of air.												
			Mean 8 h. pressure reduced to 32°.	Departure from normal.	Mean 8 h. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 h. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8		10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
10	Krishnagar .	47	29·644		29·640	29·826	18th	29·438	31st	·388	82·1	97·8		76·9		87·4		20·9	110·0	4th & 7th.	70·0	10th	41·8
	Midnapore .	146	29·521		29·616	29·667	10th	29·320	31st	·347	86·0	101·8		79·9		90·9		21·9	112·9	4th & 7th	71·7	16th	41·2
11	Bankura . .	298	29·347	—·051	29·608	29·510	10th	29·149	31st	·361	86·5	103·0	+2·9	79·5	+1·7	91·3	+2·3	23·5	114·1	7th	68·2	23rd	45·9
	Raniganj . .	334	29·342		29·626	29·502	18th	29·135	31st	·367	84·0	102·8		78·7		90·8		24·1	112·5	4th & 7th.	72·4	15th	40·1
	Burdwan . .	99	29·580	—·041	29·627	29·767	18th	29·362	31st	·405	83·2	99·0	+0·6	77·5	—0·3	88·3	+0·2	21·5	112·0	7th	65·8	18th	46.
	Naya Dumka .	489	29·187		29·629	29·365	18th	28·987	31st	·378	84·2	99·8		77·9		88·9		21·9	111·4	7th	69·9	18th	41·5
	Berhampore .	67	29·625	—·037	29·641	29·820	18th	29·416	31st	·404	81·8	98·0	+1·5	76·5	—0·1	87·3	+0·7	21·5	111·3	4th & 7th	69·2	15th & 16th	42·1
	Rampur Boalia	70	29·628		29·647	29·855	18th	29·411	31st	·424	81·9	96·0		75·5		85·8		20·5	109·0	7th	67·1	12th	41·9
	Malda . .	72	29·609		29·633	29·822	18th	29·405	31st	·417	81·1	95·6		74·4		85·0		21·2	108·5	5 days	68·1	17th	40·4
	Bogra . .	61	29·641	—·022	29·654	29·789	12th	29·417	31st	·372	79·8	92·8	+0·3	75·1	+0·6	84·0	+0·5	17·7	108·8	1st	67·7	8th &17th	41·1
12	Dinajpur . .	123	29·582	—·030	29·661	29·739	12th	29·370	29th	·369	79·3	92·9	+1·2	73·9	—0·9	83·4	+0·4	19·0	108·2	1st & 2nd	65·5	12th	42·7
	Rangpur . .	123	29·681†		29·760†	29·780	12th	29·598	3rd	·182	79·5	90·4		74·31		82·51		16·1	104·6	5th	67·6	12th	37·0
	Jalpaiguri .	284	29·439	—·041	29·682	29·603	12th	29·229	31st	·374	79·2	91·8	+3·5	73·4	+1·1	82·6	+2·3	18·4	100·5	1st	68·6	8th, 12th & 23rd.	31·9
	Cooch Behar .	156	29·586		29·698	29·753	12th	29·354	31st	·399	78·5	90·1		73·3		81·7		16·8	100·4	1st	64·6	23rd	35·8
17	Purnea . .	125	29·575	—·032	29·655	29·756	10th	29·366	28th & 31st.	·390	81·0	95·1	+0·3	74·4	+0·2	84·8	+0·3	20·7	108·8	1st	65·6	12th	43·2
14	Balasore . .	50	29·627	—·041	29·619	29·789	10th	29·407	31st	·382	86·5	99·6	+2·0	79·6	+0·9	89·6	+1·5	20·0	107·5	4th & 10th.	70·5	19th	37·0
	Angul . .	455	29·226		29·632	29·384	11th	29·037	30th	·347	88·6	107·6		79·6		93·6		28·0	112·7	24th & 31st	71·6	15th&21st	41·1
	False Point .	21	29·681	—·035	29·644	29·849	11th	29·471	30th	·378	85·3	90·8	—0·2	80·1	+0·4	85·5	+0·1	10·7	97·5	16th	70·1	14th	27·4
	Cuttack . .	80	29·608	—·038	29·631	29·745	11th	29·401	30th	·344	87·1	105·1	+3·5	80·6	+0·5	92·9	+2·0	24·5	112·0	5th	73·2	19th	38·8
	Puri . . .	24	29·686		29·648	29·841	11th	29·471	30th	·370	84·2	88·3		80·4		84·4		7·9	94·0	29th	72·6	19th	21·4
	V.—Gangetic Plain and Chota Nagpur.			—·044								103·8	+1·6	79·3	+1·5	91·6	+1·6	24·5					41·4
15	Hazaribagh .	2,007	27·676	—·042	29·592	27·789	1st	27·517	29th & 31st.	·272	86·4	102·0	+2·8	77·9	+2·4	90·0	+2·6	24·1	106·6	3rd, 30th & 31st.	69·3	19th	37·3
	Ranchi . .	2,128	27·580	—·027	29·615	27·700	10th	27·319	31st	·281	85·4	101·2	+1·6	77·4	+1·4	89·3	+1·5	23·8	106·8	8th	68·4	19th	38·4
	Daltonganj .	*730*	28·903		29·577	29·026	1st	28·736	29th	·290	87·9	109·7		80·7		95·2		29·0	114·1	9th & 30th.	71·5	2nd	42·6
	Purulia . .	*816*	28·848		29·603	28·997	10th	28·658	31st	·339	84·5	104·3		79·4		91·9		24·9	112·8	8th	69·9	16th	43·9
	Chaibassa .	*760*	28·895	—·045	29·596	29·017	18th	28·702	31st	·315	86·4	107·0	+1·9	80·5	+0·5	93·8	+1·2	26·5	113·4	8th	73·0	19th	40·4
16	Gaya . .	375	29·259	—·054	29·580	29·381	17th	29·068	25th	·313	90·6	106·9	+2·0	81·8	+2·3	94·4	+2·2	25·1	114·0	30th	70·8	18th	43·2
	Dehri . .	351	29·277		29·576	29·396	1st	29·086	29th	·310	89·4	107·1		82·6		94·9		24·5	114·0	30th	74·5	18th	39·5
	Patna . .	183	29·469	—·046	29·603	29·597	18th	29·269	28th	·328	86·2	99·8	—0·4	78·7	+1·0	89·3	+0·3	21·1	111·1	30th	70·7	13th	40·4
	Arrah . .	190	29·462		29·603	29·582	18th	29·259	29th	·323	86·3	102·8		79·6		91·2		23·2	112·9	29th	72·6	18th	39·3
	Buxar . .	239	29·395		29·587	29·515	17th	29·195	29th	·320	86·5	104·1		80·6		92·4		23·5	112·9	29th	74·1	1st, 13th & 19th.	38·8
17	Bhagalpur .	160	29·516		29·628	29·671	10th	29·296	31st	·375	84·0	97·7		76·4		87·1		21·3	109·	2nd, 3rd & 6th.	68·1	15th & 18th.	41·2
	Darbhanga .	166	29·508	—·041	29·626	29·657	10th	29·303	29th	·354	81·4	96·6	+1·0	75·7	—0·6	86·2	+0·2	20·9	106·	2nd & 5th	67·8	15th	38·8
	Muzaffarpur .	178	29·488		29·621	29·641	10th	29·290	31st	·351	83·1	97·3		76·3		86·8		21·0	107·8	2nd & 5th	67·5	15th	40·3
	Motihari .	224	29·443		29·626	29·589	10th	29·231	29th	·358	81·7	98·7		75·6		87·2		23·1	108·0	5th	66·3	1st	41·7
	Chapra . .	181	29·460		29·594	29·572	18th	29·259	29th	·313	85·1	100·9		78·2		89·6		22·7	111·5	29th & 30th.	67·6	18th	43·9
18	Benares . .	267	29·356	—·056	29·573	29·464	1st	29·177	29th	·287	8·59	106·6	+1·1	81·0	+2·1	93·8	+1·6	25·6	114·0	29th	72·2	1st & 2nd	41·8
	Allahabad. .	309	29·314	—·053	29·572	29·461	18th	29·136	28th	·325	90·3	109·0	+2·0	81·9	+2·4	95·5	+2·2	27·1	115·2	8th	73·5	1st, 26th & 27th.	41·7
23	Gorakhpur .	257	29·390	—·043	29·601	29·598	18th	29·187	29th	·411	86·7	102·6	+1·6	78·4	+1·1	90·5	+1·4	24·2	113·1	29th	69·0	17th	44·1
19	Lucknow . .	368	29·254	—·051	29·576	29·416	17th	29·068	27th	·348	87·6	106·4	+1·4	79·7	+1·9	93·1	+1·7	26·7	112·8	28th	70·2	17th	42·5
20	Bahraich .	401	29·227	—·044	29·582	29·397	18th	29·030	28th	·317	87·0	103·8	+0·8	78·1	+0·2	91·0	+0·5	25·7	113·7	29th	69·0	15th & 18th.	44·7
21	Cawnpore .	416	29·201	—·044	29·567	29·327	18th	29·036	28th	·291	90·2	108·4	+2·2	82·3	+1·7	95·4	+2·0	26·1	114·9	29th	72·7	1st	42·2
	Mainpuri. .	516	29·111	—·032	29·573	29·235	11th	28·959	28th & 31st.	·276	91·0	110·4	+2·9	82·5	+2·7	96·4	+2·8	27·9	115·7	28th&30th	71·8	1st	43·9

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

† Mean of 18 days.
‡ „ 30 „

NOTE 1.—When a query is inserted against any reading
NOTE 2.—The data from which divisional means of the

I—*continued.*

Stations in India, Burma, etc., in May, 1906—continued.

Wind Direction.										Wind Velocity.				Hygrometry, 8 h.				Cloud.		Rainfall.								Station.
Number of winds from									Resultant direction.	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 h.	Departure from normal.	Mean vapour tension at 8 h.	Departure from normal.	Mean cloud amount at 8 h.	Departure from normal.	Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st to 31st May 1906.	Normal rainfall for period, 1st to 31st May.	Departure from normal of period, 1 t to 31st May 1906.	Heaviest rainfall during month.	
Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N. W.																				
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
5	1		5	5	11	2	1	1	S 20° E	2·9			3·2	82		·907		4·7		7	7·74	−0·74	6·85	6·55	+0·30	6·85	6·55	+0·30	2·90	Krishnagar.
2	1	3	1	7	16	1			S 20° E	5·4			4·8	73		·894		2·6		7	7·05	−0·05	3·92	5·69	−1·77	3·92	5·69	−1·77	1·45	Midnapore.
16		1	3	2	3	2	2		S 39° E	4·0			3·5	64		·786		2·3		4	6·19	−2·19	1·62	3·89	−2·27	1·62	3·89	−2·27	0·58	Bankura.
19		2	4	5		1			S 69° E	3·8			3·3	68		·780		2·6		3	5·18	−2·18	2·05	3·77	−1·72	2·05	3·77	−1·72	0·97	Raniganj.
4	2	4	4	1	7	6	3		S 3° E	3·0	5·5	−45	3·0	81	+ 6	·930	+ ·047	5·4	+ 0·5	8	7·32	+0·68	6·08	6·35	−0·27	6·08	6·35	−0·27	1·91	Burdwan.
14	1		8	4	3	1			S 59° E	2·8			3·1	64		·730		2·8		2	5·21	−3·21	0·85	3·60	−2·75	0·85	3·60	−2·75	0·47	Naya Dumka.
2		1	13	2	6	6		1	S 45° E	3·7			4·5	80	− 3	·875	−·029	5·0	−0·8	4	7·74	−3·74	2·82	5·41	−2·59	2·82	5·41	−2·59	1·36	Berhampore.
16	1			5	6	3			S 5° E	3·4			3·5	78		·864		3·6		6	7·74	−1·74	2·47	5·54	−3·07	2·47	5·54	−3·07	0·94	Rampur Boalia.
	1	7	10	9	2	2			S 79° E	6·8			6·2	81		·862		3·5		7	5·58	+1·42	3·56	3·85	+0·01	3·86	3·85	+0·01	1·25	Malda.
10			17	3	1				S 81° E	2·8			2·4	83	+ 1	·846	−·005	4·9	+0·2	9	9·77	−0·77	8·26	8·04	+0·22	8·26	8·04	+0·22	2·67	Bogra.
1		10	13	4	2			1	S 82° E	3·8‡			3·6‡	81	+ 1	818	+ ·015	5·8	− 0·1	10	8·23	+1·77	6·26	8·45	−2·19	6·26	8·45	−2·19	1·37	Dinajpur.
4		16	3	4	2	2			N 73° E	3·6			3·4	87		·891		6·2		16	11·19	+4·81	11·30	10·31	+0·99	11·30	10·31	+0·99	3·30	Rangpur.
7	2	4	9	8	1				S 84° E	2·7‡			3·4‡	79	− 5	·786	−·014	3·7	− 0·6	10	12·42	−2·42	4·19	12·04	−7·85	4·19	12·04	−7·85	1·11	Jalpaiguri.
4		3	18	5			1		S 88° E	2·8			2·9	79		·779		5·9		11	14·76	−3·76	20·52	15·26	+5·26	20·52	15·26	+5·26	4·08	Cooch Behar.
6		23	2						N 48	2·8	3·4	−18	2·4	77	+ 1	·810	−·003	3·7	− 0·7	7	5·34	+1·66	4·62	4·77	−0·15	4·62	4·77	−0·15	1·39	Purnea.
3	2	1	1		9	12	2	1	S 36° W	9·1			6·1	68	−11	·868	−·103	4·0	−1·5	7	7·74	−0·74	2·43	5·97	−3·54	2·43	5·97	−3·54	1·25	Balasore.
3	6	8	6	3	1		2	2	N 45° E	9·3§			7·9§	60		·798		2·2		7			2·10			2·10			0·53	Angul.
1			1	2	4	19	3	1	S 40° W	11·9	12·6	+13	15·5	80	− 3	·969	−·036	5·6	−0·8	3	4·32	−1·32	2·24	5·23	−2·99	2·24	5·23	−2·99	0·86	False Point.
8				1	3	9	10		S 58° W	5·5	5·1	+ 8		73	+ 1	·944	+ ·040	3·9	−0·7	4	5·23	−1·23	5·44	4·24	+1·20	5·44	4·24	+1·20	3·86	Cuttack.
5					1	24	1		S 45° W	17·3‖			16·3‖	83		·977		2·9		3	3·39	−0·39	1·58	2·89	−1·31	1·58	2·89	−1·31	0·72	Puri.
														56	−2	·687	−·017	1·9	−0·4				0·59	1·63	−0·64					V.—Gangetic Plain and Chota Nagpur.
			1	5	7	12	5	1	S 29° W	10·3	8·8	+17	9·2	49	+ 3	·583	+ ·049	2·7	− 0·4	1	3·93	−2·93	0·59	2·33	−1·74	0·59	2·33	−1·74	0·53	Hazaribagh.
	1	5	5	2	8	6	4		S 32° W	7·2			8·5	49	− 2	·580	−·025	1·6	−0·6	5	4·68	+0·32	1·71	2·08	−0·37	1·71	2·08	−0·37	0·42	Ranchi.
17	2	3	3	1	1	1	1	2	N 45° E	5·7			4·6	42		·566		1·1		0	2·07	−2·07	0·15	1·04	−0·89	0·15	1·04	−0·89	0·06	Daltonganj.
7		5	4	6	1		6	2	S 85° E	5·1			5·5	70		·804		3·3		5	5·26	−0·26	2·00	2·92	−0·92	2·00	2·92	−0·92	1·05	Purulia.
20		1	1		2	6	1		S 34° W	?				61	0	·721	−·068	1·6	−0·9	6	5·65	+0·35	1·47	3·34	−1·87	1·47	3·34	−1·87	0·49	Chaibassa.
4		9	4	5	4	2	2		S 73° E	5·5	3·9	+41	4·3	57	− 1	·803	+ ·025	2·2	−0·4	0	1·94	−1·94	0	0·98	−0·98	0	0·98	−0·98	0	Gaya.
	1	3	11	5	2	6	3		S 52° E	9·9			8·8	46		·610		7·7		1	1·47	−0·47	0·22	0·82	−0·60	0·22	0·82	−0·60	0·22	Dehri.
	1	1	22	1	1	2	2	1	S 87° E	9·2	4·8	+92	10·4	60	− 5	·736	−·030	0·7	−1·3	2	2·97	−0·97	0·98	1·93	−0·95	0·98	1·93	−0·95	0·50	Patna.
1	1	17	3	3		5	1		N 62° E	4·9			4·9	55		·676		0·1		3	2·45	+0·55	0·32	1·47	−1·15	0·32	1·47	−1·15	0·12	Arrah.
		3	20	1		4	3		S 87° E	8·0			7·5	54		·672		1·0		0	1·97	−1·97	0·03	0·82	−0·79	0·03	0·82	−0·79	0·03	Buxar.
6	1	7	12	2	2	1			N 84° E	5·0			4·4	70		·800		3·4		3	4·16	−1·16	3·11	2·79	+0·32	3·11	2·79	+0·32	1·88	Bhagalpur.
5	5	9	8	3			1		N 61° E	4·5	5·9	−24	4·0	79	+ 8	·853	+ ·061	3·0	+0·7	5	3·93	+1·07	2·11	3·07	−0·96	2·11	3·07	−0·96	0·73	Darbhanga.
6			12	13					S 67° E	5·6				70		·785		1·0		3	3·65	−0·65	2·11	2·40	−0·29	2·11	2·40	−0·29	0·96	Muzaffarpur.
3		8	18	1			1		N 78° E	6·2			5·4	66		·702		2·0		3	4·25	−1·25	1·15	2·65	−1·50	1·15	2·65	−1·50	0·66	Motihari.
2		5	18	2	1	2	1		S 88° E	5·2			4·6	76		·910		1·3		1	2·13	−1·13	0·95	1·35	−0·40	0·95	1·35	−0·40	0·95	Chapra.
5		4	12			5	3	2	N 84° E	3·8	5·2	−27	4·3	53	0	·741	+ ·067	1·0	−0·7	0	1·00	−1·00	0	0·64	−0·64	0	0·64	−0·64	0	Benares.
2	2	6	7	1	1	2	8	2	N 13° E	6·2	6·2	0	5·1	40	− 2	·548	−·040	1·8	+0·2	2	0·50	+1·50	0·45	0·29	+0·16	0·45	0·29	+0·16	0·29	Allahabad.
3	1	12	8	2			2	3	N 53° E	2·5	3·9	−36		66	+ 3	·824	+ ·090	1·7	+0·1	2	2·40	−0·40	0·88	1·24	−0·46	0·88	1·34	−0·46	0·71	Gorakhpur.
7	2	2	8	6	2	3	1		S 64° E	3·3	4·3	−23	3·6	43	− 3	·543	−·050	1·0	−0·5	3	1·50	+1·50	2·38	1·01	+1·37	2·38	1·01	+1·37	1·30	Lucknow.
1		2	13	7		2		6	S 87° E	2·2			2·1	50	−10	·624	−·136	2·0	+0·6	3	2·50	+0·50	1·13	1·95	−0·82	1·13	1·95	−0·82	0·50	Bahraich.
		2	9	5	2	2	10	1	S 22° E	4·5				59	− 7	·535	−·097	0·7	−0·5	0	1·00	−1·00	0·07	0·31	−0·24	0·07	0·31	−0·24	0·07	Cawnpore.
6	1	1	4	7	2		5	5	S 33° E	2·9			2·9	35	− 7	·503	−·064	0·2	−1·1	0	1·10	−1·10	0	0·43	−0·43	0	0·43	−0·43	0	Mainpuri.

or in the returns of any station, the data for that station are not utilized in calculating the provincial departures from normal.
figure columns Nos. 40, 42 and 44 are derived, are incomplete.

‖ Mean of 29 days.

§ Mean of 24 days.

Tabl

Abstract of Observations taken at 8 h. at 23

Number of rainfall division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 h. in inches.								Temperature of air.												
			Mean 8 h. pressure reduced to 32°.	Departure from normal.	Mean 8 h. pressure reduced to sea-level and to constant gravity, at 45° lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 h. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	VI.—Upper Sub-Himalayas.			−·052								106·0	+ 3·1	78·1	+ 3·1	92·1	+ 3·1	28·0					45·1
24	Bareilly . .	568	29·048	−·054	29·573	29·177	11th	28·875	31st	·302	86·7	105·5	+2·3	79·5	+3·1	92·5	+2·7	26·0	111·5	29th & 30th.	72·1	1st, 2nd & 18th.	39·4
	Dehra Dun . .	2,233	27·443	−·050	29·589	27·554	11th	27·286	31st	·268	82·2	99·8	+4·5	72·6	+2·1	86·2	+3·3	27·2	106·5	29th	64·0	1st	42·5
	Roorkee . .	890	28·719	−·052	29·570	28·868	11th	28·552	31st	·316	88·3	105·7	+2·9	76·9	+2·3	91·3	+2·6	28·8	111·5	28th & 29th.	67·7	1st	43·8
22	Meerut . .	738	28·872	−·057	29·561	29·012	11th	28·703	31st	·309	89·1	107·3	+4·3	79·3	+3·4	93·3	+3·9	28·0	112·3	8th & 13th.	67·8	1st	44·5
26	Delhi . .	718	28·892	−·059	29·558	29·026	11th	28·733	31st	·293	91·4	108·7	+4·0	84·0	+3·8	96·4	+3·9	24·7	114·2	26th	75·1	18th	39·1
28	Lahore . .	702	28·884	−·056	29·543	29·052	11th	28·670	30th	·382	89·1	108·5	+2·8	77·3	+4·7	92·9	+3·8	31·2	116·9	26th & 27th.	68·2	4th	48·7
27	Sirsa . . .	662	28·942	−·046	29·552	29·108	11th	28·744	30th	·364	92·9	109·6	+2·4	80·3	+2·9	95·0	+2·7	29·3	117·3	26th & 27th.	70·1	1st	47·2
	Patiala . .	*818*	28·790		29·559	28·938	11th	28·596	29th	·342	89·4	105·6		79·2		92·4		26·4	112·0	26th & 27th.	69·0	1st	43·0
29	Ludhiana . .	812	28·778	−·064	29·547	28·936	11th	28·598	31st	·338	87·2	108·1	+3·7	80·2	+4·8	94·2	+4·3	27·9	114·8	26th	71·1	1st	43·7
	Sialkot . .	830	28·766	−·053	29·551	28·934	11th	28·552	30th	·382	89·7	106·3	+3·2	77·6	+2·8	92·0	+3·0	28·7	113·9	25th & 26th.	63·1	4th	50·8
	Ambala . .	892	28·713	−·043	29·557	28·860	11th	28·539	31st	·321	87·6	106·7	+1·5	77·7	+0·8	92·2	+1·2	29·0	112·4	13th	64·7	1st	47·7
	Rawalpindi . .	1,674	27·974	−·037	29·598	28·139	11th	27·768	30th	·371	85·3	100·7	+2·6	72·2	+3·6	86·5	+3·1	28·5	109·5	14th & 24th.	59·1	3rd	50·4
	VII.—Indus Valley and North-West Rajputana.			−·027								107·4	+ 2·4	79·6	+ 1·9	93·5	+ 2·2	27·8					44·2
32	Peshawar . .	1,110	28·556	−·035	29·635	28·721	3rd	28·352	29th	·369	85·4	99·1	+0·5	72·0	+2·0	85·6	+1·3	27·1	108·5	14th	60·0	3rd	48·5
	D. I. Khan . .	590	29·042	−·042	29·574	29·259	3rd	28·820	29th	·439	88·6	105·4	+1·2	76·2	+1·3	90·8	+1·3	29·2	112·2	13th	67·1	2nd	45·1
31	Khushab . .	612	28·998	−·040	29·568	29·190	3rd	28·738	30th	·452	91·7	106·9	+2·0	79·1	+1·8	93·0	+1·9	27·8	114·3	15th & 25th.	69·4	3rd	44·9
	Montgomery .	558	29·039	P	29·550	29·223	3rd	28·794	30th	·429	93·4	109·5	+1·2	79·4	+1·0	94·5	+1·1	30·1	116·8	14th, 26th & 27th.	70·0	30th	46·8
	Multan . .	420	29·175	−·047	29·551	29·374	3rd	28·934	29th	·440	91·8	111·1	+4·5	81·6	+4·0	96·4	+4·3	29·5	117·5	13th & 14th.	74·0	2nd	43·5
47	Jacobabad . .	186	29·443	−·015	29·586	29·609	11th	29·272	31st	·337	94·3	115·3	+3·7	80·8	+2·6	98·1	+3·2	34·5	123·0	24th	71·7	30th	51·3
	Hyderabad . .	96	29·582	−·011	29·630	29·723	11th	29·428	31st	·295	89·1	110·2	+3·3	78·9	+0·5	94·6	+1·9	31·3	116·2	13th	74·0	3rd	42·2
	Kurrachee . .	30	29·763	−·005	29·684	29·850	11th	29·565	31st	·285	84·6	94·3	+1·4	79·3	+0·6	86·8	+1·0	15·0	112·4	29th	76·2	1st, 3rd & 4th.	36·2
51	Bikaner . .	*771*	28·856	−·035	29·576	29·020	11th	28·660	31st	360	92·3	110·7	+3·6	86·4	+3·8	98·5	+3·7	24·3	116·8	14th	79·0	4th	37·8
	Pachpadra . .	*380*	29·317	−·009	29·648	29·441	11th	29·155	31st	286	88·9	110·8	+3·0	79·3	+1·7	95·0	+2·4	31·5	117·9	13th	66·5	17th	51·4
	Jodhpur . .	782	28·916		29·666	29·042	11th	28·741	31st	·301	88·3	108·2		82·3		95·3		25·9	115·3	15th	76·3	1st	39·0
	VIII—East Rajputana, Central India and Gujarat.			−·011								105·0	+ 2·2	81·5	+ 2·9	93·3	+ 2·5	23·5					36·4
50	Jaipur . .	1,431	28·264	−·028	29·621	28·386	1st	28·101	31st	·285	92·3	109·3	+2·7	82·2	+4·0	95·8	+3·4	27·1	114·7	26th	72·1	1st	42·6
	Kotah . . .	819?	28·838		29·650	8·946	1st	28·691	31st	·255	96·5	111·6		89·5		100·6		22·1	116·6	14th	83·2	5th	33·4
	Sambhar . .	1,254	28·431	−·017	29·621	28·564	4th	28·259	31st	·305	91·7	108·9	+3·8	83·2	+3·0	96·1	+3·4	25·7	114·5	13th	71·4	1st	43·1
	Ajmer . .	1,611	28·112	−·015	29·643	28·238	4th	27·941	31st	·297	90·3	107·3	+3·5	85·3	+6·0	96·3	+4·8	22·0	111·9	12th & 13th	78·5	1st	33·4
	Udaipur . .	1,925	27·840		29·667	27·957	11th	27·702	31st	·255	91·2	105·3		82·8		94·1		22·5	110·6	12th	75·3	1st	35·3
46	Bhuj . .	395	29·368	+·008	29·713	29·474	11th	29·219	31st	·255	86·1	102·7	+1·4	77·5	+0·8	90·1	+1·1	25·2	112·6	13th	71·0	3rd	41·6
	Jamnagar . .	61	29·728		29·734	29·821	11th	29·588	31st	·233	85·0	100·0		77·4		88·7		22·6	107·2	6th	71·2	2nd & 3rd	36·0
	Rajkot . .	429	29·369	+·010	29·746	29·449	2nd	29·247	31st	·202	85·6	107·4	+2·0	75·9	+0·8	91·6	+1·4	31·5	112·4	13th	66·9	1st	45·5
	Veraval . .	*18*	29·804	−·005	29·764	29·873	2nd	29·712	31st	·162	82·0	85·1	−1·6	78·9	+0·5	82·0	−0·6	6·2	87·6	19th	72·8	3rd & 12th	14·8
	Dwarka . .	37?	29·764		29·747	29·861	11th	29·650	31st	·214	83·1	87·4		79·9		83·7		7·5	89·3	25th & 28th.	76·7	3rd & 4th	12·6
	Bhavnagar Para .	55	29·758	P	29·757	29·844	11th	29·665	30th & 31st.	·179	87·2	108·7	P	78·8	0	93·7	P	29·9	113·7	13th	72·0	1st	41·7
49	Nowgong . .	757	28·898	−·037	29·591	29·025	1st	28·767	28th	·258	94·3	110·7	+3·3	85·5	+5·7	98·1	+4·5	25·2	114·0	13th, 24th & 29th.	73·5	1st	40·5
	Indore . . .	1,823	27·969	+·017	29·715	28·049	11th	27·859	28th	·190	86·7	105·0	+2·2	78·2	+2·3	91·6	+2·3	26·8	110·6	13th	72·6	11th	38·0
	Neemuch . .	1,630	28·127	+·001	29·685	28·232	11th	27·992	31st	·240	88·5	105·7	+1·7	79·8	+2·7	92·8	+2·2	25·9	112·1	13th	72·7	31st	39·4
45	Surat . . .	39	29·787	0	29·770	29·867	11th	29·694	31st	·173	85·9	96·5	−1·7	79·8	+1·7	88·3	0	16·7	108·1	6th	74·5	1st	33·6

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

NOTE 1.—When a query is inserted against any reading or

NOTE 2.—The data from which divisional means of the figure

I—*continued.*

Stations in India, Burma, etc., in May, 1906—continued.

Wind Direction. Number of winds from: Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	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 h. Mean humidity at 8 h.	Departure from normal.	Mean vapour tension at 8 h.	Departure from normal.	Cloud. Mean cloud amount at 8 h.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st to 31st May 1906.	Normal rainfall for period, 1st to 31st May.	Departure from normal of period, 1st to 31st May 1906.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
														39	−4	·521	−·002	1·0	−1·0				0·18	0·91	−0·74					VI.—Upper Sub-Himalayas.
9	1	13					5	3	N 9° E	4·9	5·2	−6	4·7	49	+1	·614	+·024	0·9	−0·6	1	2·27	−1·27	0·22	0·76	−0·54	0·22	0·76	−0·54	0·22	Bareilly.
31									Calm	2·5	2·5	0		38	−8	·418	−·049	1·5	−0·9	0	3·40	−3·40	0·08	1·69	−1·61	0·03	1·69	−1·61	0·05	Dehra Dun.
11		2	2	11			1	4	S 65° E	5·4	3·7	+46	5·4	34	−6	·457	−·025	0·4	−1·2	1	2·10	−1·10	0·31	0·82	−0·51	0·31	0·82	−0·51	0·29	Roorkee.
20	1	1	4	1		1	3		N 79° E	1·6	2·6	−38	1·6	33	−3	·530	+·016	0·3	−1·7	1	1·50	−0·50	0·11	0·60	−0·49	0·11	0·60	−0·49	0·11	Meerut.
2	2	1	1	7	3	3	6	6	S 61° W	4·9	4·5	+9	4·3	34	−4	·560	+·010	0·2	−2·2	0	2·20	−2·20	0·06	0·72	−0·66	0·06	0·72	−0·66	0·06	Delhi.
11	3	2	6	3	1		2	3	N 58° E	3·1	3·3	−6		40	−1	·552	+·051	0·6	−1·2	1	1·50	−0·50	0·17	0·82	−0·65	0·17	0·82	−0·65	0·13	Lahore.
12	1	3	3	1	1	3	6	1	W	1·9	4·8	−60	1·6	35	−2	·544	+·053	0·8	−2·1	0	1·60	−1·60	0	0·71	−0·71	0	0·71	−0·71	0	Sirsa.
	5	3	4	8	2	2	4	3	N 87° E	6·4			6·5	46		·637		1·1		1			0·35			0·35			0·35	Patiala.
5	1	4	2	8		1	7	3	S 56° E	3·6	2·2	+64	3·2	36	−4	·472	−·043	1·1	−0·8	1	1·60	−0·60	0·12	0·61	−0·49	0·12	0·61	−0·49	0·12	Ludhiana.
3	8	7	6	2			2	3	N 32° E	3·8	2·5	+52	3·2	35	−6	·501	−·017	0·8	−0·7	1	2·30	−1·30	0·30	1·03	−0·73	0·30	1·03	−0·73	0·27	Sialkot.
5			1	12	1		2	10	S 10° E	3·7			3·3	39	−10	·521	−·075	1·1	−0·1	0	1·70	−1·70	0·02	0·73	−0·71	0·02	0·73	−0·71	0·02	Ambala.
22	1	1		1		1	2	3	N 59° W	4·1	2·8	+46	3·8	41	−3	·501	+·029	2·7	+0·6	2	3·00	−1·00	0·47	1·47	−1·00	0·47	1·47	−1·00	0·23	Rawalpindi.
														45	−4	·621	−·004	0·9	−0·6				0·12	0·42	−0·30					VII.—Indus Valley and North-West Rajputana.
21	2		1			2	3	2	N 13° W	2·7	4·8	−44	2·9	40	−2	·488	+·008	2·3	+0·2	2	1·60	+0·40	0·47	0·75	−0·28	0·47	0·75	−0·28	0·15	Peshawar.
21		5				1		4	N	2·0	2·3	−13	2·1	40	−9	·535	−·076	1·6	+0·7	0	1·00	−1·00	0	0·34	−0·34	0	0·34	−0·34	0	D. I. Khan.
4	8	8	1		4	3	3		N 11° E	9·5			9·1	31	−1	·466	+·024	0·2	−0·9	0	1·20	−1·20	0·07	0·78	−0·71	0·07	0·78	−0·71	0·07	Khushab.
	6	3	7	7	1	1	1	5	N 60° E	7·3			6·8	23	−13	·356	−·164	0·2	−1·0	2	1·00	+1·06	0·72	0·27	+0·45	0·72	0·27	+0·45	0·54	Montgomery.
11	8	4	1	3	1	1		2	N 25° E	1·7	2·9	−41	1·5	33	−11	·490	−·086	0·5	−0·1	0	0·80	−0·80	0	0·30	−0·30	0	0·30	−0·30	0	Multan.
6	4	1	6	3	1	1	6	3	N	5·5	4·7	+17	6·9	44	+4	·715	+·132	0·3	−0·6	0	0·30	−0·30	0	0·16	−0·16	0	0·16	−0·16	0	Jacobabad.
1					5	18	5	2	S 50° W	11·5	12·7	−9	10·2	48	−9	·641	−·050	0·1	−0·9	0	0·30	−0·30	0	0·18	−0·18	0	0·18	−0·18	0	Hyderabad.
		1				1	23	6	N 82° W	15·9	17·5	−9	15·7	76	−1	·901	−·013	2·8	−0·8	0	0	0	0	0	0	0	0	0	0	Kurrachee.
1			1	1	5	15	7	1	S 47° W	11·1	6·5	+71		54	+8	·831	+·190	1·5	+0·4	0	1·50	−1·50	0	0·88	−0·88	0	0·88	−0·88	0	Bikaner.
					13	14	3	1	S 31° W	16·6	8·8	+89	15·6	65	+3	·878	+·132	0	−2·5	0	1·10	−1·10	0	0·66	−0·66	0	0·66	−0·66	0	Pachpadra.
					2	26	3		S 46° W	10·1			9·1	39		·532		0·6		0	1·20	−1·20	0·06	0·27	−0·21	0·06	0·27	−0·21	0·06	Jodhpur.
														53	−2	·692	+·003	1·3	−0·5				0·04	0·38	−0·34					VIII.—East Rajputana, Central India and Gujarat.
4	1	1				2	13	10	N 71° W	7·7	6·9	+12		28	−12	·422	−·114	0·6	−0·9	1	1·50	−0·50	0·21	0·49	−0·28	0·21	0·49	−0·28	0·21	Jaipur.
2	1					4	13	11	N 75° W	6·9			5·5	23		·390		0·2		0	1·20	−1·20	0	1·11	−1·11	0	1·11	−1·11	0	Kotah.
3	1				1	1	17	8	N 78° W	12·8	9·9	+29		36	−5	·541	−·007	0·6	−0·6	1	1·60	−0·60	0·12	0·76	−0·64	0·12	0·76	−0·64	0·12	Sambhar.
1	1					2	25	2	N 88° W	14·8	7·1	+108	12·9	39	−5	·557	−·012	0·3	−0·7	0	1·50	−1·50	0	0·61	−0·61	0	0·61	−0·61	0	Ajmer.
5					1	9	14	2	S 74° W	9·8			8·6	38		·540		0·2		0	1·70	−1·70	0			0			0	Udaipur.
						11	15	5	S 81° W	20·5	15·4	+33	17·2	73	+10	·899	+·129	0·7	−0·6	0	0·30	−0·30	0	0·09	−0·09	0	0·09	−0·09	0	Bhuj.
					1	16	12	2	S 93° W	20·6			20·2	69		·836		1·4		0			0			0			0	Jamnagar.
2						16	10	3	S 69° W	13·6	14·6	−7	13·5	82	+11	1·017	+·192	1·4	−0·2	0	0·60	−0·60	0	0·22	−0·22	0	0·22	−0·22	0	Rajkot.
1	1				8	9	8	4	S 59° W	12·7	9·5	+34	12·7	84	+3	·918	+·012	1·9	−2·1	0	0·10	−0·10	0	0·02	−0·02	0	0·02	−0·02	0	Veraval.
					4	16	9	2	S 57° W	15·4				84		·951		2·1		0			0			0			0	Dwarka.
		1				23	1	6	S 61° W	12·7			10·7	51	?	·660	?	1·4	−2·3	0	0·40	−0·40	0	0·10	−0·10	0	0·10	−0·10	0	Bhavnagar Para
2		2			3	2	15	7	N 84° W	5·7	3·4	+68	5·8	30	−4	·495	+·005	3·5	+2·1	1	0·90	+0·10	0·13	0·33	−0·20	0·13	0·33	−0·20	0·13	Nowgong.
	2						20	9	N 72° W	12·7	6·1	+108	10·3	50	0	·615	−·005	0·9	−0·2	0	1·20	−1·20	0	0·59	−0·59	0	0·59	−0·59	0	Indore.
	2					11	15	3	S 82 W	16·3	12·4	+31	13·7	41	−9	·531	−·107	0·3	−0·6	0	1·00	−1·00	0	0·45	−0·45	0	0·45	−0·45	0	Neemuch.
2	2				13	9	4	1	S 33° W	11·3	12·7	−11	10·6	70	+2	·869	+·022	3·1	−0·3	0	0·30	−0·30	0	0·13	−0·13	0	0·13	−0·13	0	Surat.

In the returns of any station, the data for that station are not utilized in calculating the provincial departures from normal, columns Nos. 40, 42, and 44 are derived, are incomplete.

Tabl

Abstract of Observations taken at 8 h. at 23

Number of rainfall division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 h., in inches.								Temperature of air.												
			Mean 8 h. pressure reduced to 32°.	Departure from normal.	Mean 8 h. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 h. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
45	Ahmedabad*	163	29·626	−·011	29·737	29·698	18th	29·514	31st	·184	88·2	110·7†	+3·6†	79·6†	+0·1†	95·2†	+1·9†	31·1	117·4	12th	75·6	1st	41·8
	Deesa	466	29·295	−·008	29·711	29·383	11th	29·174	31st	·209	86·0	109·7	+3·0	77·4	−0·1	93·6	+1·5	32·3	117·8	12th	70·9	1st	46·9
22	Agra	555	29·074	−·049	29·577	29·210	11th	28·918	31st	·292	93·4	109·4	+2·2	86·5	+5·0	98·0	+3·6	22·9	114·0	13th	75·9	1st	39·1
21	Jhansi	858	28·822	−·023	29·609	28·947	1st	28·688	28th	·259	97·2	112·5	+4·2	91·1	+7·5	101·8	+5·9	21·4	115·9	8th, 13th & 14th.	82·2	1st	33·1
	IX.—Deccan.			−·011								107·5	+3·1	80·3	+2·1	93·9	+2·6	27·2					37·6
38	Belgaum	2,539	27·346	+·024	29·810	27·400	13th	27·296	31st	·104	76·2	93·7	+0·7	69·1	+0·9	81·4	+0·8	24·6	100·3	10th	65·8	16th & 17th.	34·5
	Sholapur	1,590	28·240	+·009	29·760	28·313	11th	28·182	8th	·131	85·7	107·6	+2·8	78·3	+1·8	93·0	+2·3	29·3	110·2	7th, 9th & 11th.	74·0	24th & 31st.	36·2
	Poona	1,846	28·012	+·006	29·791	28·084	11th	27·951	28th	·133	82·3	101·2	+2·0	71·8	−0·1	86·5	+1·0	29·4	109·1	5th	63·4	15th	45·7
	Bijapur	*1,948*	27·895	−·001	29·766	27·952	11th	27·838	29th	·114	82·7	104·5	+4·2	74·9	+0·2	89·7	+2·2	29·6	106·5	4 days	71·2	4 days	35·3
40	Malegaon	1,430	28·375	−·005	29·735	28·447	11th	28·293	28th	·154	88·4	107·5	+3·5	76·8	+1·7	92·2	+2·6	30·7	112·3	6th & 13th.	70·6	17th	41·7
	Ahmednagar	2,154	27·702	+·012	29·762	27·786	11th	27·633	28th & 30th.	·153	86·2	105·5	+6·1	72·9	+1·1	89·2	+3·6	32·6	109·5	13th	66·0	24th	43·5
41	Akola	930	28·814	P	29·674	28·907	11th	28·721	28th	·186	91·1	111·1	+3·4	82·1	+1·0	96·6	+2·2	29·0	115·5	13th	76·9	5th	38·6
	Amraoti	1,215	28·532	−·006	29·670	28·640	11th	28·429	28th	·211	92·7	110·3	+2·6	82·5	+2·5	96·4	+2·6	27·8	115·0	14th	76·3	22nd	38·7
42	Khandwa	1,044	28·709	−·012	29·695	28·780	2nd	28·619	28th	·161	89·1	109·3	+2·8	82·7	+1·8	96·0	+2·3	26·6	114·7	13th & 14th.	76·1	4th	38·6
	Hoshangabad	1,006	28·721	P	29·666	28·834	1st	28·611	31st	·223	91·7	109·7	+2·1	81·9	+1·6	95·8	+1·9	27·8	114·3	13th	75·8	4th	38·5
	Nagpur	1,017	28·689	−·022	29·633	28·826	11th	28·579	28th	·247	94·2	111·5	+2·2	84·2	+2·3	97·9	+2·3	27·3	115·7	8th	76·6	10th	39·1
43	Chanda	*634*	29·091	−·010	29·652	29·232	11th	28·994	28th & 29th.	·238	94·9	112·5	+3·0	85·6	+3·7	99·1	+3·4	26·9	115·0	7th & 14th.	80·5	10th	34·5
	Seoni	2,033	27·713	−·018	29·630	27·832	11th	27·607	31st	·225	92·5	108·1	+4·2	79·9	+2·8	94·0	+3·5	28·2	111·9	25th	72·5	19th	39·4
	Jubbulpore	1,327	28·371	−·024	29·625	28·478	11th	28·254	29th	·224	91·3	109·0	+3·4	81·0	+2·1	95·0	+2·8	28·0	113·0	14th	71·3	5th	41·7
	Saugor	1,807	27·915	−·020	29·625	28·014	11th	27·795	31st	·219	92·3	108·0	+2·9	83·1	+4·6	95·6	+3·8	24·9	112·5	14th	76·1	1st	36·4
49	Sutna	1,040	28·604	−·046	29·579	28·728	1st	28·465	28th	·263	93·9	109·7	+4·2	84·0	+4·7	96·9	+4·5	25·7	113·6	29th	74·6	2nd	39·0
44	Raipur	970	28·710	−·037	29·606	28·851	11th	28·575	28th	·276	93·7	110·8	+3·4	84·9	+2·9	97·9	+3·2	25·9	113·8	15th	77·4	11th	36·4
	Pendra	2,123?	27·673		29·581	27·789	11th	27·536	29th	·253	92·5	106·4		82·3		94·4		24·1	110·4	14th	74·1	1st	36·3
	Sambalpur	486	29·181	−·051	29·608	29·344	11th	29·023	29th	·321	92·5	110·3	+3·4	83·5	+1·9	96·9	+2·7	26·8	114·1	25th	77·6	5th	36·5
39	Aurangabad	1,905	27·922		29·739	28·004	11th	27·847	28th	·157	86·7	106·4		75·7		91·0		30·7	110·6	13th	71·2	17th	39·4
	Indur	1,260	28·520?		29·704?	28·591?	1st	28·448?	29th	·143	91·5	109·0		83·1		96·0		25·9	111·6	8th	79·2	26th	32·4
	Bidar	*2,165*	27·672		29·737	27·759	11th	27·599	30th	·160	87·1	104·7		80·7		92·7		24·0	107·2	8th & 14th.	75·3	31st	31·9
53	Gulbarga	1,503	28·304	−·016	29·734	28·414	11th	28·248	31st	·166	86·6	107·8	+3·1	80·3	+1·3	94·1	+2·5	27·5	110·2	7th	74·5	10th	35·7
	Raichur	1,326?	28·487	0	29·744	28·568	11th	28·418	25th	·150	86·6	106·3	+2·9	80·9	+1·4	93·6	+2·2	25·4	109·5	22nd	70·1	11th	39·4
	Hyderabad (Dn.)	1,690	28·113	+·003	29·717	28·227	11th	28·035	28th	·192	88·5	106·2	+2·4	82·1	+3·5	94·2	+3·0	24·1	109·3	9th	77·7	30th	31·6
	Hanumkonda	871	28·846		29·645	29·018	11th	28·764	31st	·254	90·6	108·5		84·5		96·5		24·0	112·7	25th	75·8	4th	36·9
	X.—West Coast.			+·011								90·2	+0·3	80·3	+1·0	85·3	+0·7	9·9					16·7
37	Bombay	37	29·827	+·005	29·803	29·895	11th	29·767	31st	·128	84·7	91·4	+0·7	80·9	+0·2	86·2	+0·5	10·5	93·0	26th, 27th & 31st.	77·0	1st	16·0
	Ratnagiri	110	29·761	+·018	29·810	29·822	13th	29·717	26th & 31st.	·105	85·6	91·8	+0·7	81·2	+1·7	86·6	+1·2	10·5	93·3	27th & 31st.	78·9	1st, 9th & 15th.	14·4
	Mormugao	*60*	29·825	+·014	29·819	29·869	6th	29·782	26th & 28th.	·087	86·3	91·0	+1·0	82·1	+1·0	86·6	+1·0	8·9	93·0	6th	76·4	11th	16·6
	Goa	199	29·682	+·010	29·818	29·732	6th	29·636	26th	·096	85·½	88·9	−1·1	82·7	+2·2	85·8	+0·6	6·2	92·0	3rd	73·0	11th	19·0
	Karwar	44	29·841	+·020	29·819	29·891	13th	29·801	28th	·090	84·6	90·9	+1·1	81·3	+1·6	86·1	+1·4	9·6	92·3	12th	78·4	2nd	13·9
33	Cochin	10	29·852	+·008	29·820	29·951	13th	29·822	9th	·129	83·2	90·3	+0·7	77·9	+0·3	84·1	+0·5	12·4	92·3	6th, 7th & 8th.	71·7	18th	20·6
	Calicut	27	29·860	+·006	29·816	29·926	13th	29·799	9th	·127	83·2	90·7	+0·3	79·0	+1·1	84·9	+0·7	11·7	92·8	9th	75·2	16th	17·6
	Mangalore	65	29·831	+·015	29·838	29·894	16th	29·794	31st	·100	84·5	90·7	+0·4	80·2	+1·4	85·5	+0·9	10·5	92·7	1st	73·9	7th	18·8
	Trivandrum	198	29·690	+·003	29·818	29·771	13th	29·631	9th	·140	81·1	86·5	+0·2	77·8	−0·7	82·2	−0·2	8·7	89·5	6th	75·0	3rd	14·5

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

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

Note 2.—The data from which divisional means of the figure columns Nos. 2

* Mean of 30 days.

† Mean of 29 days.

I—*continued.*

Stations in India, Burma, etc., in May, 1906—continued.

Wind Direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	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 h. Mean humidity at 8 h.	Departure from normal.	Mean vapour tension at 8 h.	Departure from normal.	Cloud. Mean cloud amount at 8 h.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st to 31st May 1906.	Normal rainfall for period, 1st to 31st May.	Departure from normal of period, 1st to 31st May 1906.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
						16	8	6	S 73° W	6·2			10·2	54	− 5	·717	−·037	2·6	−0·1	0	0·50	−0·50	0	0·01	−0·01	0	0·01	−0·01	0	Ahmedabad.
	1			9	14	4	3		S 45° W	13·8	13·4	+ 3		58	0	·705	+·006	1·5	−0·9	0	0·55	−0·55	0	0·25	−0·25	0	0·25	−0·25	0	Deesa.
2			8		21				S 24° W	5·9	5·9	0	7·0	31	− 7	·479	−·057	0·3	−0·7	0	1·50	−1·50	0·04	0·56	−0·52	0·04	0·56	−0·52	0·04	Agra.
	1	2		1	9	9	9		N 86° W	7·6	4·8	+58	9·3	58	P	1·013	P	0·9	−0·1	1	0·70	+0·30	0·18	0·41	−0·23	0·18	0·41	−0·23	0·18	Jhansi.
														40	− 6	·538	−·048	1·9	−0·5				0·46	0·89	−0·39					IX.—Deccan.
7					9	12	3		S 78° W	15·2	18·1	−16		72	+ 3	·654	+·037	3·3	−0·4	4	4·70	−0·70	3·78	2·49	+1·29	3·78	2·49	+1·29	2·12	Belgaum.
	1		2	1	3	5	19		N 63° W	15·1	10·0	+51	14·9	47	+ 2	·570	+·042	2·4	−0·7	2	2·00	0	0·83	1·00	−0·17	0·83	1·00	−0·17	0·59	Sholapur.
2					4	25			S 84° W	16·8	14·2	+18		49	− 5	·539	−·009	1·2	−1·4	0	2·10	−2·10	0·08	1·33	−1·25	0·08	1·33	−1·25	0·08	Poona.
				2	6	18	5		S 84° W	11·8			12·9	61	− 3‡	·680	−·002	2·2	−1·0	2	3·50	−1·30	1·10	1·79	−0·69	1·10	1·79	−0·69	0·65	Bijapur.
2	2				5	17	5		N 85° W	12·5	10·4	+20	14·4	37	−21	·495	−·243	0	−2·1	0	1·20	−1·20	0	0·73	−0·73	0	0·73	−0·73	0	Malegaon.
	3	1	1	1			5	20	N 44° W	10·0			12·2	37	−23‡	·450	−·249	0	−2·1	0	1·80	−1·80	0	0·88	−0·88	0	0·88	−0·88	0	Ahmednagar.
					2	17	12		N 75° W	12·2	8·6	+42	10·7	42	+ 4	·598	+·079	2·3	+0·4	0	0·80	−0·80	0·02	0·43	−0·41	0·02	0·43	−0·41	0·02	Akola.
		1		2	7	15	6		S 85° W	10·1	6·0	+68	9·1	34	− 5	·527	−·015	1·5	−0·6	2	1·50	+0·50	0·58	0·63	−0·05	0·58	0·63	−0·05	0·37	Amraoti.
	2					8	21		N 53° W	12·5	9·1	+37	12·5	39	− 4	·527	−·022	0·5	−0·6	0	0·80	−0·80	0	0·35	−0·35	0	0·35	−0·35	0	Khandwa.
4				1	19	7			S 55° W	5·6	3·8	+47	5·7	33	− 8	·489	−·064	1·5	+0·2	1	1·00	0	0·31	0·55	−0·24	0·31	0·55	−0·24	0·22	Hoshangabad.
1	3	2	1	5	4	13	2		S 80° W	9·4	9·5	− 1	7·4	28	− 6	·451	−·063	1·1	−1·6	4	1·90	+2·60	1·14	0·72	+0·42	1·14	0·72	+0·42	0·34	Nagpur.
6			2	4	2	9	8		S 85° W	8·1	4·9	+65	7·2	27	− 9	·450	−·088	2·5	+0·2	0	1·70	−1·70	0·04	0·74	−0·70	0·04	0·74	−0·70	0·04	Chanda.
2	7	4	1	1	2	3	4	7	N 33° W	8·2	4·6	+78	6·9	30	− 3	·456	−·005	2·7	+0·5	0	1·90	−1·90	0·16	0·68	−0·52	0·16	0·68	−0·52	0·09	Seoni.
1	1			3	4	4	12	6	S 78° W	5·1	4·5	+14	4·5	26	− 7	·372	−·092	2·0	+0·6	0	1·30	−1·30	0·05	0·55	−0·50	0·05	0·55	−0·50	0·05	Jubbulpore.
				1	6	17	7		S 85° W	9·3	4·4	+111	8·3	24	−12	·359	−·127	0·6	−0·6	1	1·00	0	0·10	0·50	−0·40	0·10	0·50	−0·40	0·10	Saugor.
3	1	2	4	1		4	12	4	N 81° W	5·0	8·1	−38	4·6	30	+ 1	·458	+·030	2·5	+1·5	0	1·10	−1·10	0·05	0·38	−0·33	0·05	0·38	−0·33	0·05	Sutna.
	1		1			17	9	3	S 68° W	8·0	7·4	+ 8	9·6	35	0	·542	+·030	2·2	−0·9	1	2·30	−1·30	0·24	0·94	−0·70	0·24	0·94	−0·70	0·16	Raipur.
5	1			1	6	2	6	10	S 90° W	7·5			6·4	23		·357		1·9		0			0·04			0·04			0·04	Pendra.
			3	5	3	17	3		S 25° W	5·5	3·0	+83	5·4	42	−10	·624	−·099	2·4	−1·1	0	3·00	−3·00	0·02	1·62	−1·60	0·02	1·62	−1·60	0·02	Sambalpur.
2	3		1			4	18	3	N 31° W	16·6			16·4	37		·461		0·5		0	1·60	−1·60	0	0·74	−0·74	0	0·74	−0·74	0	Aurangabad.
4		1				1	25		N 45° W	5·5			4·6	53		·793		1·7		1	1·20	−0·20	0·35	0·39	−0·04	0·35	0·39	−0·04	0·35	Indur.
	7	2	1		3	7	7	4	N 76° W	6·0*			5·1*	41		·525		3·2		2	2·50	−0·50	0·47	1·00	−0·53	0·47	1·00	−0·53	0·27	Bidar.
2	2	3	1	1		3	11	8	N 65° W	12·0			10·5	66	P	·837	P	1·5	−1·9	3	2·50	+0·50	0·78	1·16	−0·38	0·78	1·16	−0·38	0·50	Gulbarga.
1			2	5	1	5	17		S 62° W	15·4			14·6	46	− 8	·580	−·062	3·2	−0·1	2	1·80	+0·20	0·94	0·72	+0·22	0·94	0·72	+0·22	0·75	Raichur.
10	2		1		1	2	12	3	N 83° W	6·4‡			6·2	43	− 7	·569	−·049	3·7	+0·8	2			0·84	0·99	−0·15	0·84	0·99	−0·15	0·67	Hyderabad (Dn.)
1				8	8	4	5	5	S 24° W	12·4*			10·9	42		·603		3·1		0	1·00	−1·00	0·07			0·07			0·07	Hanumkonda.
														76	0	·898	+·023	5·1	+0·2				3·48	5·14	−1·66					X.—West Coast.
1	1			1	6	10	7	5	S 61° W	8·1	9·9	−18		75	+ 2	·897	+·018	3·7	−0·4	0	0·70	−0·70	0	0·71	−0·71	0	0·71	−0·71	0	Bombay.
2	7	2	1	3	2	2	6	6	N 45° W	10·0	11·2	−11	9·9	70	+ 1	·864	+·025	3·6	+0·1	0	1·50	−1·50	0·09	1·45	−1·36	0·09	1·45	−1·36	0·06	Ratnagiri.
1	3	17	1	1	3	2		3	N 40° E	9·6				74	− 2	·932	+·022	5·8	+1·2	2			0·45	2·57	−2·12	0·45	2·57	−2·12	0·20	Mormugao.
2	8	4	4	1	1	1	2	8	N 3° W	10·8				73	0	·887*	+·018	5·2	+1·2	3			1·23	2·33	−1·10	1·23	2·33	−1·10	0·91	Goa.
1	8			1		5	6	10	N 56° W	4·6				76	− 1	·897	+·048	3·0	−0·9	0	3·80	−3·80	0·09	3·28	−3·19	0·09	3·28	−3·19	0·09	Karwar.
3	2	8	8	6	1		2	1	N 79° E	7·6				79	− 3	·909	+·012	6·1	+0·4	11	12·90	−1·10	8·02	12·39	−4·37	8·02	12·39	−4·37	1·58	Cochin.
2	6	2	6	1		1	1	12	N 8° W	6·1			6·1	80	+ 1	·914	+·034	5·6	+0·2	8	9·00	−1·00	5·03	7·78	−2·75	5·03	7·78	−2·75	1·31	Calicut.
14	6	1	5				1	4	N 12° E	5·5	4·6	+20		75	− 3	·901	+·025	5·4	−1·0	4	6·90	−2·90	3·13	6·66	−3·53	3·13	6·66	−3·53	1·81	Mangalore.
11	5	2					1	12	N 28° W	5·8				82	+ 1	·877	+·006	7·2	+1·0	16	10·20	+5·80	15·28	9·05	+4·23	13·28	9·05	+4·23	3·13	Trivandrum.

the data for that station are not utilized in calculating the provincial departures from normal.
42 and 44 are derived, are incomplete.

‡ Mean of 27 days.

Table

Abstract of Observations taken at 8 h. at 232

Number of rainfall division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 h., in inches.								Temperature of air.												
			Mean 8 h. pressure reduced to 32°.	Departure from normal.	Mean 8 h. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 h. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	XI.—South India			−·002								100·4	+2·8	79·2	+1·6	89·8	+2·2	21·2					32·8
57	Pamban	37	29·864	−·001	29·767	29·899	11th	29·721	25th	·178	85·5	91·9	+0·7	81·9	+0·5	86·9	+0·6	10·0	94·3	15th	75·2	18th	19·1
	Tinnevelly	168	29·681	−·001	29·777	29·761	11th & 12th.	29·596	25th	·165	88·5	101·8	+1·4	81·8	+1·1	91·8	+1·3	20·0	107·1	17th	74·9	3rd	32·2
	Madura	447	29·395	+·011	29·774	29·483	12th	29·311	25th	·172	86·8	102·5	+2·4	79·6	+2·1	91·1	+2·3	22·9	107·0	17th	75·0	3rd & 4th	32·0
	Periyakulam	941	28·902		29·782	28·976	13th	28·840	31st	·136	81·5	96·8		73·5		83·8		23·3	103·3	8th	66·1	20th	37·2
34	Salem	940	28·933	+·004	29·806	29·015	11th	28·864	25th	·151	85·3	104·0	+4·8	78·7	+2·8	91·4	+3·8	25·3	107·7	16th	72·4	18th &23rd	35·3
	Coimbatore	1,348	28·805	−·001	29·795	28·576	11th	28·450	25th & 26th.	·126	80·5	95·9	+0·9	73·7	+1·3	85·3	+1·1	21·2	100·4	6th	69·3	16th	31·1
35	Mercara	3,781	26·227	+·028	26·160	26·269	17th & 18th.	26·170	9th	·099	69·8	82·4	+2·1	65·1	+0·2	73·8	+1·2	17·3	91·5	6th	60·6	7th	30·9
36	Chitaldroog	2,405	27·486	+·010	29·809	27·556	11th	27·427	24th	·129	78·6	97·7	+4·0	72·8	+1·8	85·3	+2·9	24·9	102·7	5th	67·9	13th	34·8
	Bangalore	3,021	26·906	+·010	29·815	26·970	11th	26·856	25th	·114	77·1	96·1	+4·8	70·5	+1·4	83·3	+3·1	25·6	98·8	4 days	66·8	14th & 15th.	32·0
	Hassan	3,091	26·855	+·010	29·831	26·919	18th	26·796	25th	·123	76·6	93·5	+5·8	67·4	+0·8	80·5	+3·3	26·1	100·2	5th	62·6	14th	37·6
	Mysore	2,518	27·402	+·007	29·340	27·496	18th	27·349	24th	·149	77·4	95·0	+2·9	70·7	+1·1	82·9	+2·0	24·3	100·0	20th	66·0	12th	34·0
56	Negapatam	31	29·765	−·009	29·743	29·887	11th	29·693	25th	·194	87·4	100·2	+2·9	91·7	+1·5	91·0	+2·2	18·5	108·4	17th	76·5	14th & 27th.	31·9
	Cuddalore	37	29·774	+·004	29·742	29·894	11th	29·661	25th	·233	84·7	101·3	+2·5	81·9	+1·8	91·6	+2·2	19·4	109·2	28th	78·2	13th	31·0
	Trichinopoly	255	29·584	+·006	29·769	29·686	11th	29·492	25th	·194	87·6	105·0	+3·2	80·7	+2·0	92·8	+2·6	24·3	109·7	18th	76·4	1st	33·3
	Pudukkottai	318	29·524		29·722‡	29·621	11th	29·438	25th	·183	86·7‡	102·7‡		80·7†		91·8†		22·0	108·3	24th	74·8	30th	33·5
	Madras	22	29·774	−·010	29·726	29·906	11th	29·650	25th	·256	86·5	100·5	+2·0	83·1	+2·0	91·8	+2·0	17·4	111·5	28th	77·0	6th	34·5
	Vellore	707	29·112		29·735	29·221	11th	28·999	25th	·222	88·5	105·9		81·1		93·5		24·8	111·8	18th	75·1	21st	36·7
55	Nellore	52	29·718	+·005	29·711	29·863	11th	29·609	24th	·254	85·3	106·3	+0·3	82·2	+0·2	94·3	+0·3	24·1	113·3	25th	76·6	4th	36·7
	Masulipatam	15	29·754	−·002	29·703	29·899	11th	29·606	25th	·293	84·5	102·8	+2·7	84·5	+2·9	93·7	+2·8	18·3	117·7	25th	79·1	2nd & 9th	38·6
54	Cuddapah	433	29·375	−·003	29·737	29·475	11th	29·315	25th	·160	82·1	109·8	+3·5	85·2	+1·7	97·5	+2·6	24·6	115·3	18th	81·9	15th	33·4
	Kurnool	923	28·883	−·005	29·735	28·968	11th	28·817	25th	·151	88·6	108·2	+3·4	84·2	+3·2	96·2	+3·3	24·0	111·8	18th	79·3	11th	32·5
	Bellary	1,475	28·355	+·004	29·762	28·453	11th	28·296	8th	·157	85·0	105·7	+3·3	79·2	+1·7	92·5	+2·5	26·5	109·0	5th & 7th.	73·2	7th & 11th.	35·8
52	Cocanada	26	29·737	−·012	29·699	29·871	11th	29·545	29th	·326	90·1	104·2	+3·5	84·4	+1·6	94·3	+2·6	19·8	115·0	31st	80·0	6th	35·0
	Waltair (Vizag.)	*226*	29·512	−·025	29·676	29·650	11th	29·510	28th	·340	87·7	94·6	?	81·9	?	88·3	?	12·7	110·4	25th	77·9	19th	32·5
	Gopalpur*	72	29·615	−·036	29·628	29·773	11th	29·419	30th	·354	84·5	90·0	+0·2	80·3	−0·2	85·2	0	9·7	95·2	27th & 30th.	77·0	11th & 19th.	18·2
	XII.—Hill Station																						
8	Pishin											86·7		55·2		71·0		31·5	94·4	24th	48·1	3rd	46·3
	Quetta	5,502	24·599	+·015	24·559	24·755	11th	24·436	31st	·319	70·5	85·8	+0·3	53·9	+1·7	69·9	+1·0	29·9	90·1	12th & 25th.	47·9	3rd	42·2
	Kalat										66·1	83·1	−2·3	45·1	+1·8	64·1	−0·3	38·0	95·1	26th	38·7	2nd	56·4
	Chaman	4,311	25·633	+·002	25·595	25·764	11th	25·482	31st	·282	75·8	90·5	−3·8	63·4	−2·5	77·0	−2·2	27·1	97·2	5 days	55·1	30th	42·1
30	Leh	11,503	19·733	+·006	19·701	19·872	11th	19·630	31st	·242	47·9	64·5	+0·5	38·2	+1·4	51·4	+1·0	26·3	72·6	24th & 27th.	31·4	6th	41·2
	Srinagar	5,204	24·836	−·012	24·807	24·971	11th	24·640	31st	·331	60·9	75·6	−1·3	51·3	+2·2	65·0	+0·5	21·3	83·2	14th	47·2	3rd	36·0
	Sonemarg	*8,764*	21·788		21·756	21·896	11th	21·650	29th	·246	45·6	61·2		37·0		49·1		24·2	73·4	24th	27·1	6th	46·3
	Skardu	*7,505*	22·869		22·839	23·017	11th	22·724	31st	·293	56·1	68·4		48·3		58·4		20·1	79·4	24th	32·6	9th	46·8
	Dras	*10,059*	20·830		20·798	20·962	11th	20·700	31st	·262	44·8	57·3		33·9		45·6		23·4	69·9	24th	16·6	5th	53·3
	Gilgit	4,890	25·111		25·084	25·247	11th	24·998	23rd	·249	65·2	78·7	−6·7	58·6	−3·2	68·7	−5·0	20·1	93·3	24th	49·7	9th	43·6
32	Chitral	*5,486*									62·9	81·7		53·3		67·5		28·4	92·2	24th	40·0	3rd	52·2
	Killa Drosh	4,700?									63·6	80·8		56·2		68·5		24·6	91·7	24th	45·1	3rd & 9th.	46·6
	Para Chinar	6,000	24·353		24·320	24·477	11th	24·159	29th	·318	69·3	80·2		56·5		68·4		23·7	89·7	13th	49·2	2nd	40·5
	Cherat	*4,256*	25·557	−·036	25·525	25·691	1st	25·424	31st	·267	74·2	87·5	−2·1	68·2	−0·1	77·9	−1·1	19·3	96·9	15th	54·0	3rd	42·9

N.B.—Elevations in italics indicate barometrical determinations.
* Mean of 29 days. † Mean of 26 days. ‡ Mean of 27 days.

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 the figure columns Nos. 40,
NOTE 3.—The barometric readings are not reduced to sea-level in the cases of hill or plateau stations the elevations

I—*continued.*

Stations in India, Burma, etc., in May, 1906—continued.

Wind Direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	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 h. Mean humidity at 8 h.	Departure from normal.	Mean vapour tension at 8 h.	Departure from normal.	Cloud. Mean cloud amount at 8 h.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st to 31st May 1906.	Normal rainfall for period 1st to 31st May.	Departure from normal of period 1st to 31st May 1906	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
														66	—3	·831	+·019	3·7	—0·8				1·26	2·25	—0·99					XI.—South
7				3	8	10	2	1	S 25° W	15·2			16·1	80		·980		3·2		3	1·20	+1·80	0·95	0·55	+0·40	0·95	0·55	+0·40	0·59	Pamban.
6	3	1		1	1	8	7	4	S 87° W	6·2			6·0	57	— 4	·767	—·027	4·9	0	1	3·30	—2·30	0·16	1·37	—1·21	0·16	1·37	—1·21	0·13	Tinnevelly.
3	1	1	2	1		2	9	12	N 62° W	5·9	3·7	+59	6·8	64	— 2	·816	+·002	2·0	—2·0	2	4·20	—2·20	0·48	2·65	—2·17	0·48	2·65	—2·17	0·26	Madura.
20	4	4		1			1	1	N 16° E	3·1			3·3	71		·761		3·0		11	5·10	+5·90	8·21	2·73	+5·48	8·21	2·73	+5·48	2·80	Periyakulam.
7				1	1	15	4	3	S 58° W	7·3	4·4	+66	6·4	73	+ 2	·893	+·081	3·8	—0·4	8	7·10	+0·90	3·51	5·01	—1·50	3·51	5·01	—1·50	1·20	Salem.
11	2		1		1	13	3		S 54° W	7·1	5·3	+34	6·5	77	— 3	·807	—·010	3·7	—0·6	5	4·70	+0·30	1·88	2·28	—0·40	1·88	2·28	—0·40	0·72	Coimbatore.
4	4		1		1		4	17	N 45° W	3·9	5·3	—26	3·6	87	+ 2	·627	+·015	6·3	+0·2	6	9·00	—3·00	3·82	5·78	—1·96	3·82	5·78	—1·96	1·96	Mercara.
	1	1	1			9	14	5	S 87° W	10·6			9·2	70	0	·685	+·021	3·2	—2·3	3	4·60	—1·60	1·23	3·74	—2·51	1·23	3·74	—2·51	0·79	Chitaldroog.
				1	2	10	15	3	S 72° W	9·7	5·5	+76	8·6	69	— 7	·647	—·021	3·6	—1·1	4	6·50	—2·50	1·34	4·22	—2·88	1·34	4·22	—2·88	0·48	Bangalore.
3	1	3	1		2	8	9	4	S 82° W	4·3			3·8	73	— 2	·675	+·036	4·7	—1·0	6	7·80	—1·80	2·61	5·17	—2·56	2·61	5·17	—2·56	0·76	Hassan.
1	1		1		1	15	11	1	S 66° W	10·1			10·9	75	+ 1	·703	+·036	5·7	+0·7	5	8·30	—3·30	4·45	3·37	+1·08	4·45	3·37	+1·08	2·26	Mysore.
				1	8	9	13		S 51° W	12·3	7·4	+66	11·6	65	— 3	·860	—·015	4·2	+0·1	0	2·10	—2·10	0·08	1·61	—1·53	0·08	1·61	—1·53	0·05	Negapatam.
4					9	16	2		S 33°$_E$W	6·3¶			7·8	64	— 9?	·647	—·097?	3·5	—0·7	0	1·20	—1·20	0	0·28	—0·28	0	0·28	—0·28	0	Cuddalore.
6				1	4	12	8		S 50° W	6·0	6·0	0		69	+ 5	·501	+·120	3·6	—0·8	4	3·50	+0·50	0·83	2·94	—2·11	0·83	2·94	—2·11	0·28	Trichinopoly.
1	3				3	8	6	10	N 87° W	8·6§			10·1§	67‡		·851‡		5·4		3			2·19			2·19			1·23	Pudukkottai.
				2	12	9	8		S 33° W	9·3				67	+ 3	·946	+·082	3·5	—0·6	0	2·30	—2·30	0	0·90	—0·90	0	0·90	—0·90	0	Madras.
5	2	1	5	4		1	5	8	N 31° W	5·0	9·2	+ 1	5·0	57		·765		2·5		1	4·40	—3·40	0·98	3·02	—2·04	0·98	3·02	—2·04	0·75	Vellore.
			1	5	11	2	7	5	S 31° W	9·1				57	— 6	·779	—·103	4·5	+0·3	1	1·60	—0·60	0·36	0·39	—0·03	0·36	0·39	—0·03	0·28	Nellore.
6			1	6	9	2	1	6	S 8° W	12·5	8·9	+40	11·0	78‖	+ 2	1·126‖	+·081	3·9	—1·3	0	1·90	—1·90	0	1·27	—1·27	0	1·27	—1·27	0	Masulipatam
			1	2	1	8	12	7	S 81° W					54	+ 1	·822	+·083	3·6	0	0	2·50	—2·50	0	1·80	—1·80	0	1·80	—1·80	0	Cuddapah.
		1			5	4	8	13	N 84° W	11·4				66	?	·890	?	3·2	—0·2	1	2·90	—1·90	0·32	0·95	—0·63	0·32	0·95	—0·63	0·32	Kurnool.
2	3		1	1	1	4	11	8	N 72° W	9·8	8·4	+17	8·6	50	— 3	·593	—·033	3·1	—1·6	2	3·20	—1·20	0·82	1·98	—1·16	0·82	1·98	—1·16	0·45	Bellary.
6		2		1	4	15	3		S 40° W	7·6				41	—29	1·037	+·116	5·2	+0·2	0	2·80	—2·80	0	0·93	—0·93	0	0·93	—0·93	0	Cocanada.
1				5	21	4			S 41° W	19·3				65	—10	·883	—·048	5·5	—0·4	0	3·40	—3·40	0·11	2·47	—2·36	0·11	2·47	—2·36	0·04	Waltair (Vizag.).
1			1	1	8	19	1		S 30° W	22·4*	13·3‖	+68	22·0	79	— 5	·932	—·054	2·0	—3·4	1	3·30	—2·30	0·63	2·10	—1·47	0·63	2·10	—1·47	0·43	Gopalpur.*
																														XII.—Hill Stations.
																				0	0·70	—0·70	0·05	0·19	—0·14	0·05	0·19	—0·14	0·05	Pishin.
26	1				2			2	N 72° W	2·3	4·7	—51	2·4	42	— 3	·312	—·029	0·9	—0·1	1	1·10	—0·10	0·12	0·40	—0·28	0·12	0·40	—0·28	0·12	Quetta.
	7			22		2			S 8° W					46		·300				0	0·90	—0·90	0	0·26	—0·26	0	0·26	—0·26	0	Kalat.
13	2	3	7	4	1	1			S 83° E	8·6			9·5	45	+15	·416	+·110	0·4	—0·2	0	0·10	—0·10	0	0·05	—0·05	0	0·05	—0·05	0	Chaman.
22					6	3			S 14° W	3·5				38	— 7	·127	—·014	4·9	+0·2	0	0·90	—0·90	0·04	0·22	—0·18	0·04	0·22	—0·18	0·03	Leh.
11	4	2	3	5	3	1		2	S 86° E	3·9			3·6	82	+ 1	·439	+·002	3·9	+0·5	7	5·80	+1·20	2·81	2·60	+0·21	2·81	2·60	+0·21	1·00	Srinagar.
10	3	6	10	1				1	N 63° E	3·5			3·2	73		·225		4·6		15			6·01			6·01			1·05	Sonemarg.
8	3	6	4	1		4	4	1	N 18° E	4·6			4·6	59		·258		5·7		5	1·90	+3·10	3·81	1·04	+2·77	3·81	1·04	+2·77	1·55	Skardu.
23		1		2		3	1	1	S 38° W	6·6			5·3	76		·227		4·2		9	6·20	+2·80	3·92	2·82	+1·10	3·92	2·82	+1·10	0·90	Dras.
26		2		1			2		N 8° E	2·4			2·1	58	+14	·359	+·048	5·0	+0·9	8	1·70	+6·30	2·99	0·57	+2·42	2·99	0·57	+2·42	0·97	Gilgit.
29		1		1					E	3·1			2·8	75				2·4		5			3·17			3·17			1·30	Chitral.
	1	5	6	3	2				N 71° E					65		·383		2·2		8			3·77			3·77			1·42	Killa Drosh. (a)
29					1			1	S 75° W	4·3			3·9	50		·350		2·7		13	6·50	+6·50	3·74	2·02	+1·72	3·74	2·02	+1·72	0·55	Para Chinar.
3	13	4				1		10	N 13° W	12·5			12·1	41	+ 7	·344	+·050	2·7	+0·5	2			0·44	1·21	—0·77	0·44	1·21	—0·77	0·12	Cherat.

station, the data for that station are not utilized in calculating the provincial departures from normal.
42, and 44 are derived, are incomplete.
of which exceed 3,200 feet.

¶ Mean of 30 days.
§ Mean of 14 days.
‖ Mean of 28 days.

(a) Wind direction of 17 days.

Table

Abstract of Observations taken at 8 h. at 232

Number of rainfall division.	Station.	Elevation of barometer above sea-level, in feet.	Pressure, 8 h., in inches.								Temperature of air.												
			Mean 8 h. pressure reduced to 32°.	Departure from normal.	Mean 8 h. pressure reduced to sea-level and to constant gravity, at 45° lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 h. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
29	Murree	6,333	23·775	—·022	23·743	23·920	11th	23·610	30th	·310	69·3	76·5	−0·4	57·5	−1·9	67·0	−1·2	19·0	86·0	25th	43·0	3rd	43·0
	Kailang	*10,087*	20·962		20·917	21·014	3rd	20·912	30th	·102	45·7	60·5	−1·5	37·9	−0·1	49·2	−0·8	22·6	73·6	27th	31·8	1st	41·8
	Poo											66·8		48·8		57·9		18·0	75·6	27th	39·4	3rd	36·2
	Simla	7,224	23·061	—·011	23·023	23·143	10th	22·916	31st	·227	65·8	74·9	+1·8	60·8	+2·2	67·9	+2·0	14·1	81·6	27th	50·9	18th	30·7
	Sarain		23·114			23·201	11th	22·982	31st	·219	67·1	75·4		52·0		63·7		23·4	83·0	26th	46·5	3rd & 4th	36·5
	Chakrata	7,022	23·231	—·015	23·191	23·314	11th	23·114	31st	·200	66·5	76·4	+2·1	60·3	+3·7	68·4	+2·9	16·1	83·3	28th & 29th.	51·0	15th	32·3
25	Ranikhet	6,069	24·020	—·026	23·979	24·112	11th	23·893	31st	·219	70·9	82·9	+4·7	63·4	+2·9	73·2	+3·8	19·5	90·1	29th	53·0	10th	37·1
	Muktesar	7,600	22·765		22·723	22·852	10th	22·650	31st	·202	64·7	77·5		58·5		68·1		19·0	84·6	29th	48·0	10th	36·6
13	Yatung	10,480										59·2		41·4		50·3		17·8	69·1	29th	35·1	1st & 8th	34·0
	Darjeeling	7,376	22·965	—·016	22·920	23·047	12th	22·837	31st	·210	59·2	65·8	+2·0	52·9	+0·3	59·3	+1·2	12·9	74·7	28th	48·6	12th	26·1
8	Shillong	4,920	25·038		24·990	25·140	17th	24·883	31st	·257	66·4	75·8		59·3		67·6		16·5	82·7	1st	53·5	8th	29·2
	Cherra Poonjee	4,309	25·599		25·549	25·707	17th	25·422	31st	·285	66·8	73·3		61·6		67·5		11·7	80·2	30th	55·0	8th	25·2
50	Mount Abu	3,945	25·982	+·002	25·932	26·115	11th	25·836	31st	·279	80·1	90·1	+1·9	73·4	+2·3	81·8	+2·1	16·7	96·2	12th & 13th.	66·3	15th, 30th & 31st.	29·9
42	Pachmarhi	3,528	26·365	−·002	26·312	26·456	11th	26·244	26th	·212	84·5	99·3	+4·2	76·8	+1·7	88·1	+3·0	22·5	102·7	13th	68·7	5th	34·0
34	Wellington	6,200	24·241	+·007	24·174	24·292	11th	24·186	31st	·106	68·1	78·5	+2·4	59·4	+1·4	69·0	+1·9	19·1	83·2	27th	54·6	28th	28·6
	Ootacamund	*7,322*	23·049		22·988	23·104	13th	22·943	10th	·161	63·4	71·0		53·6		62·3		17·4	74·5	6th & 7th.	48·3	31st	26·2
57	Kodaikanal	7,688	22·845		22·780	22·895	13th	22·790	31st	·105	63·1	71·0		56·4		62·0		14·6	76·1	26th	52·7	21st	23·4
	XIII.—Extra India.																						
	Trincomalee	12	29·830	+·018	29·768	29·916	11th	29·735	25th	·181	83·3	93·3	+0·3	80·0	+1·2	86·7	+0·8	13·3	96·5	9th	76·0	1st, 7th & 19th.	20·5
	Colombo	40	29·858 (c)	+·002	29·824	29·947	13th	29·804	24th	·143	82·0	87·8	−0·2	78·4	0	83·1	−0·1	9·4	89·0	7 days	72·0	20th	17·0
	Meshed¶	3,104	27·313 (b)			27·550	10th	27·050	23rd	·500	69·9	77·5		56·3	−0·9	66·9		21·2	83·5	22nd	50·9	28th	32·6
	Teheran §	*4,002*	25·759 (b)			25·960	26th	25·630	20th	·330	68·1	81·5	−1·3	56·1	−3·3	68·8	−2·3	25·4	89·5	29th	49·7	22nd	39·8
	Ispahan	*5,817*	24·298 (b)			24·420	27th	24·170	20th	·250	60·3	77·5	−6·6	52·8	−1·4	65·2	−4·0	24·7	87·9	29th	45·3	7th	42·6
	Bushire	14	29·802*	+·035	29·775	29·968	12th	29·695	28th	·273	81·5*	89·3*	+0·2	76·5	+1·2	82·9	+0·7	12·8	101·0	5th	70·6	7th	30·4
	Bahrein‖	18	29·835		29·806*	29·959	13th	29·720	28th	·239	85·9	90·5		79·3*		84·9*		11·2	107·8	29th	75·0	3rd	32·8
	Jask	13	29·757	+·006	29·727	29·863	11th	29·571	31st	·292	84·1	92·4	0	77·9	−0·4	85·2	−0·2	14·5	103·7	7th	72·2	19th	31·5
	Muscat	20	29·747	+·013	29·714	29·865	1st	29·618	30th	·247	92·3	100·7	+9·2	87·2	+1·3	94·0	+5·3	13·5	110·2	23rd	81·5	1st	28·7
	Baghdad	220	29·716	+·004	29·911	29·878	11th	29·593	19th	·285	77·7	95·2	+3·5	68·3	+0·5	81·8	+2·0	26·9	106·0	27th	58·5	5th	47·5
	Busrah	25	29·823			29·957	12th	29·693	28th	·264		87·6		75·6		81·6		12·0	91·8	4th & 5th	69·9	14th	21·9
	Aden	94	29·800	+·032	29·825	29·858	13th	29·735	20th	·123	85·5	92·5	−0·8	82·9	+1·8	87·7	+0·5	9·6	95·3	3 days	77·8	2nd	1·5
	Perim	201	29·656	+·025	29·789	29·717	1st	29·617	10th	·100	85·8	92·6	+0·1	82·4	+0·5	87·6	+0·3	10·2	95·7	27th	80·2	7th	15·5
	Kabul		24·212 (c)		24·181	24·326	13th	24·091	8th	·235	68·1	83·8	+1·2	53·4?	+0·2?	68·7?	+0·7?	30·4?	88·4	13th	44·4	3rd	54·0
	Kashgar	4,255	25·485 (c)			25·680	12th & 13th.	25·310	25th & 27th.	·370	67·8	81·5	+0·7	57·9	−0·2	69·7	+0·3	23·6	95·1	26th	44·7	1st	50·4
	Amini Divi	*13*	29·891	+·009	29·832	29·939	11th	29·848	4th	·091	87·2	94·2	+4·1	81·4	+0·9	87·8	+2·5	12·8	97·1	30th	73·2	3rd	23·9
	Minicoy	7	29·907		29·839	29·970	13th	29·868	4th	·102	84·2	89·3	+0·7						92·4	8th			
	Zanzibar	72	30·017	+·009	30·016	30·077	31st	29·955	9th	·122	77·1	82·5	+0·1	75·5	−0·1	79·0	0	7·0	85·1	19th	72·4	28th	12·7
	Do. Dunga	*154*	29·956		30·039	30·012	12th	29·895	3rd	·117	75·3	82·8		72·1		77·5		10·7	85·0	1st	69·5	31st	15·5
	Penang (*a*)	20	29·951		29·896	29·934	17th	29·898	8th	·036	83·8	89·9		75·9		82·9		14·0	92·0	5 days	74·0	20th	18·0
	Singapore (*a*)	10	29·930		29·861	29·976	14th	29·868	25th	·108	85·0	89·7		76·5		83·1		13·2	93·4	31st	73·0	7th	20·4

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

* Mean of 29 days.
¶ Observation of 28 days.
§ Observation of 20 days.
‖ Observation of 30 days.

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

NOTE.—The barometric readings are not reduced to sea-level in the cases of hill or plateau stations, the elevations of which exceed 3,100 feet.

I—*concluded.*

Stations in India, Burma, etc., in May, 1906—concluded.

Wind Direction. Number of winds from: Calms	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	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 h. Mean humidity at 8 h.	Departure from normal.	Mean vapour tension at 8 h.	Departure from normal.	Cloud. Mean cloud amount at 8 h.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st to 31st May 1906.	Normal rainfall for period, 1st to 31st May.	Departure from normal of period, 1st to 31st May 1906.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
18	4	1	1	1	5		1		S 50° E	6·8	8·3	−18	7·3	37	−2	·271	+·014	2·3	−0·5	7	6·30	+0·70	2·31	2·97	−0·66	2·31	2·97	−0·66	0·63	Murree.
		5	1	4		14	5	2	S 48° W	1·5				64		·194		2·7		7			2·37	2·58	−0·21	2·37	2·58	−0·21	0·80	Kailang.
29							1	1	S 63° W									2·7		2			0·65	0·71	−0·06	0·65	0·71	−0·06	0·34	Poo.
1	12	4		3	7			4	N 14° E	5·5	2·9	+ 90	5·3	39	− 6	·245	−·022	1·6	−1·2	3	5·20	− 2·20	0·62	3·06	−2·44	0·62	3·06	− 2·44	0·22	Simla.
21		1			4	5			S 23° W	2·6			2·5	33		·215		2·4		3			1·25			1·25			0·56	Sarain.
13	7	2		2	5	1	1		N 45° E	7·7	6·0	+28	9·2	38	− 9	·247	−·033	1·1	−0·8	4	5·90	−1·90	1·18	2·43	−1·25	1·18	2·43	− 1·25	0·35	Chakrata.
10	1	2	1			8	5	4	S 87° W	3·7	3·3	+12	4·2	44	− 6	·338	−·016	0·8	−1·5	3	5·50	−2·50	0·64	2·28	−1·64	0·64	2·28	− 1·64	0·19	Ranikhet.
6	1	1	1		2		20		S 89° W	11·3			10·5	45		·270		1·6		2			0·63			0·63			0·30	Muktesar.
																				12	14·50	−2·50	3·90	4·88	−0·98	3·90	4·88	−0·98	0·58	Yatung.
9	1	6	1	3	1	1	5	4	N 14° W	6·5	6·2	+ 5	6·0	80	−10	·405	−·024	6·3	−0·4	14	13·43	+0·57	9·99	8·78	+1·21	9·99	8·78	+ 1·21	1·62	Darjeeling.
16	1	1	1		5	7			S 22° W	3·9			4·4	73		·477		6·3		15	17·80	−2·80	11·05	10·15	+0·90	11·05	10·15	+ 0·90	3·70	Shillong.
8		8				5	9	1	N 70° W	5·9			5·2	82		·536		6·8		22	21·10	+0·90	23·26	49·93	−26·67	23·26	49·93	−26·67	3·17	Cherra Poonjee.
	1	1		2		12	9	6	S 78° W	11·9	9·4	+27	12·	26 **	−14	·259 **	−·101	0·5	−0·3	0	1·30	−1·30	0	0·99	−0·99	0	0·99	− 0·99	0	Mount Abu.
			1	1		1	17	11	N 75° W	10·2	6·8	+50	10·5	28	− 9	·332	−·075	1·6	−0·4	2	1·30	+0·70	0·48	0·50	−0·02	0·48	0·50	− 0·02	0·26	Pachmarhi.
21	3	6	1						N 35° E	3·8	3·0	+27		65	+ 4	·440	+·006	1·5	−2·5	8	8·20	−0·20	3·27	3·76	−0·49	3·27	3·76	− 0·49	1·19	Wellington.
3	2	5	7	5		1	4	4	N 60° E	4·0			3·8	48		·280		5·0		8	9·70	−1·70	2·94	5·93	−2·99	2·94	5·93	− 2·99	1·04	Ootacamund.
	7	4	6	1	2	2	3	6	N 6° E	11·9				60		·345		3·3		9	9·30	−0·30	4·10	6·47	−2·37	4·10	6·47	− 2·37	1·25	Kodaikanal.
																														XIII.—Extra India.
5						25	1		S 46° W	9·7				79	+ 1	·913‡	−·005	2·5	0	3			2·58	2·46	+0·12	2·58	2·46	+ 0·12	1·20	Trincomalee.
			2	11	4	13	1		S 1° W	9·3	8·5	+ 9		86	+ 8	·942	+·028	7·2	+0·9	17			7·79	11·12	−3·33	7·79	11·12	− 3·33	1·90	Colombo.
														65		·470				6			3·24	0·74	+2·50	3·24	0·74	+ 2·50	1·40	Meshed.
6	3	1	2	1	3	2	2		S	2 ·5†			2·2††	76		·523		4·7		3			0·84			0·84			0.32	Teheran.
24					1	3	2	1	S 68° W	2·7			3·5	65		·335		4·0		5			1·08	0·11	+0·97	1·08	0·11	+0·97	0·24	Ispahan.
	5	2	1	4	1	2	5	11	N 45° W	10·9	8·9	+22	12·0	73	+13	·744	+·086	4·8	+3·4	0			·03	0	+0·03	0·03	0	+ 0·03	0·03	Bushire.
	8	5	3	1		1	2	10	N 10° W	9·1†			10·4†	58*		·724*		1·8*		0			0·05			0·05			0·05	Bahrein.
7		4	1	2		2		15	N 33° W					61	− 7	·711	−·112	1·2	+0·5	0			0	0	0	0	0	0	0	Jask.
16	3			1		1	1	9	N 43° W	4·6			4·8	51	−11	·754	−·064	0·9	+0·5	0			0	0	0	0	0	0	0	Muscat.
12	7			1	5	1	3	2	N 63° W	3·5	1·2	−17	4·6	43		·399		2·9		0			0·03	0·24	−0·21	0·03	0·24	− 0·21	0·03	Baghdad.
11	14		1		5				N 6° E											2			0·63			0·63			0·30	Busrah.
1	1	3	8	13		3		2	S 67° E	5·9	10·6	−44	4·8	76	+ 1	·933	+·015	3·9	+0·9	0			0	0·19	−0·19	0	0·19	−0·19	0	Aden.
			16	3	3	2	7		S 55° E	P			P	73		·900		2·5		0			0	0·37	−0·37	0	0·37	−0·37	0	Perim.
	1	10	6	1	1	2	2	8	N 24° E					53		·370		2·3	+2·0	2			1·04	0·54	+0·50	1·04	0·54	+0·50	0·60	Kabul.
27					1			3	N 63° W	3·1			2·8	45		302		1·8		1			0·30	0·88	−0·58	0·30	0·88	−0·58	0·30	Kashgar.
1	4	4				1		11	N 23° W					80		1·031		4·9		3			0·61	4·10	−3·49	0·61	4·10	−3·49	0 33	Amini Divi.
	3		4	2		3	8	11	N 62° W	7·7			8·3	81		·942		6·5		13			8·38	6·40	+1·98	8·38	6·40	+1·98	2·16	Minicoy.
1				1	16	12	1		S 20° W	8·4			7·9	87		·811		6·9		15			15·24	10·62	+4·62	15·24	10·62	+4·62	2·93	Zanzibar.
1						9	1		S 49° W	4·5			4·4	93		·836		7·5		17			16·99			16·99			3·25	Ko. Dunga.
	4	3	8	2	7			6	N 74° E	8·4								1·0		13			13·08			13·08			3·37	Penang.‖
	1	1	1		2	20	4	2	S 54° W	4·8								4·3		8			5·71			5·71			1·83	Singapore.

‖ Wind directions of 30 days.

** Mean of 28 days.
‡ Mean of 30 days.
† Mean of 27 days.
†† Mean of 14 days.

TABLE II.—Abstract of Observations recorded at 10 h. and 16 h. at 62 Stations in India, Burma, etc., in May, 1906.

Tabl

Abstract of Observations recorded at 10 h. and 16 h.

Meteorological Province.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure.						Temperature of air.										Temperature, Wet-bulb.			
			Mean of 10 h.	Mean of 16 h.	Mean daily range.	Mean of daily mean pressures.	Departure from normal.	Mean reduced to S. L. and gravity, 45° Lat.	Mean maximum.	Mean minimum.	Mean daily range.	Highest maximum.	Lowest minimum.	Absolute range.	Mean 10 h.	Mean 16 h.	Mean of daily means.	Departure from normal.	Mean minimum.	Mean 10 h.	Mean 16 h.	Mean of three pre-
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Burma Coast and Bay Islands.	Port Blair	61	29·798	29·704	·094	29·751	−·011	29·742	91·6	79·3	12·3	96·0	72·0	24·0	87·7	88·0	84·4	+1·8	76·8	80·7	80·6	79·
	Rangoon	57	·778	·645	·133	·716	−·023	·709	95·9	78·7	17·2	103·9	70·9	33·0	88·5	89·8	84·9	+2·7	75·9	79·3	79·4	78·
	Diamond Island	41	·787	·685	·102	·736	−·032	·711	89·2	79·1	10·1	92·9	72·2	20·7	86·1	85·1	84·8	+0·5	75·0	79·9	78·8	77·
	Akyab	20	·775	·673	·102	·730	−·031	·692	92·8	79·0	13·8	97·9	72·2	25·7	87·9	90·3	86·5	+1·5		80·7	81·4	
Bengal and Orissa.	Chittagong	87	·672	·569	·103	·619	−·050	·653	88·8	75·2	13·6	91·7	66·4	25·3	85·1	86·2	81·9	0	73·2	78·2	79·2	76·
	Calcutta (Alipore)	21	·670	·546	·124	·610	−·051	·576	97·3	78·9	18·4	105·8	70·6	35·2	90·3	95·4	87·9	+2·2	75·2	81·5	81·4	79·
	Saugor Island	25	·677	·564	·113	·625	−·048	·593	93·1	81·9	11·2	96·8	68·8	28·0	89·5	90·5	86·4	+1·1	78·91	83·2	83·6	81·
	False Point	21	·698	·579	·119	·643	−·043	·605	91·0	80·2	10·8	97·5	70·1	27·4	89·0	88·1	84·5	+0·2	76·6	81·7	82·3	80·
Gangetic Plain and Chota Nagpur.	Hazaribagh	2,007	27·683	27·580	·103	27·629	−·048	·506	102·0	77·8	24·2	106·6	69·3	37·3	93·9	98·2	88·7	+2·5	66·8	72·4	71·8	70·
	Allahabad	309	29·320	29·200	·120	29·257	−·057	·506	109·1	81·9	27·2	115·2	73·5	41·7	98·9	107·3	94·7	+2·2	69·7	73·2	74·0	72·
Upper Sub-Himalayas.	Dehra Dun	2,233	27·448	27·351	·097	27·394	−·067	·501	99·8	72·7	27·1	106·5	64·0	42·5	91·2	96·2	85·1	+3·5	60·3	67·2	67·7	65·
	Roorkee	899	28·727	28·610	·117	28·663	−·067	·492	105·5	76·9	28·6	111·3	67·6	43·7	96·3	103·6	90·1	+2·5	62·9	70·7	71·3	68·
	Lahore	702	·897	·800	·097	·842	−·063	·481	108·6	77·3	31·3	117·1	68·2	48·9	99·0	106·3	92·6	+3·7	65·5	75·1	76·2	72·
	Ludhiana	812	·784	·691	·093	·732	−·070	·476	108·5	80·1	28·4	114·8	71·1	43·7	95·9	107·0	93·6	+4·4	65·7	73·7	74·9	71·
Indus Valley and N.-W. Rajputana.	Peshawar	1,110	·561	·460	·101	·505	−·040	·566	99·3	71·8	27·5	108·5	59·9	48·6	92·1	96·2	85·3	+1·3	61·3	69·7	70·8	67·
	Jacobabad	186	29·445	29·326	·119	29·382	−·026	·518	115·5	80·7	34·8	122·8	71·9	50·9	106·1	112·8	97·4	+3·2	67·6	79·6	80·8	76·
	Kurrachee	30	·715	·628	·087	·667	−·008	·647	94·4	79·3	15·1	112·5	76·0	36·5	90·4	90·4	85·7	+1·0	75·6	80·2	81·5	79·
East Rajputana, Central India and Gujarat.	Jaipur	1,431	28·270	28·157	·113	28·209	−·035	·532	109·3	82·2	27·1	114·7	72·1	42·6	99·9	106·8	94·9	+3·3	63·7	70·4	70·0	68·
	Udaipur	1,925?	27·846	27·742	·104	27·793		·586	105·1	82·7	22·4	110·8	75·1	35·7	97·4	104·0	93·5		68·0	72·7	75·0	71·
	Deesa	466	29·294	29·155	·139	29·223	−·016	·623	109·7	77·5	32·2	117·9	70·9	47·0	94·9	108·9	93·2	+1·5	69·4	74·4	73·0	72·
	Jamnagar	61	·726	·632	·094	·676		·682	100·2	77·5	22·7	107·2	71·2	36·0	93·2	94·5	87·7		72·8	77·7	77·7	76·
Deccan.	Belgaum	2,539	27·349	27·243	·106	27·298	+·020	·705	93·3	69·0	24·3	100·2	65·8	34·4	83·8	88·7	78·5	+0·5	66·7	70·6	73·0	70·
	Sholapur	1,590	28·235	28·077	·158	28·156	+·002	·631	107·5	78·2	29·3	110·3	73·6	36·7	94·4	104·5	91·0	+2·1	67·1	72·1	72·8	70·
	Akola	930	·811	·664	·147	·740	−·027	·574	110·9	82·2	28·7	115·3	77·1	38·2	98·9	108·2	95·5	+2·2	66·0	75·8	76·3	72·
	Buldana	2,132	27·693	27·568	·125	27·628	−·010	·615	103·8	79·0	24·8	109·2	73·9	35·3	93·1	102·0	89·9	+2·0	64·8	70·9	70·1	68·
	Khandwa	1,044	28·715	28·563	·152	28·643	−·015	·600	105·0	82·8	26·2	114·7	76·3	38·4	96·6	107·4	95·1	+2·2	66·4	71·8	71·5	69·
	Nagpur (Sanitary Commr.'s Office)	1,017	·699	·565	·134	·634	−·012	·562	111·2	84·0	27·2	115·5	76·5	39·0	102·2	106·7	96·5	+2·0	65·2	72·8	73·4	70·
	Hyderabad (Deccan).	1,690	·114	27·979	·135	·048	−·003	·612	106·1	82·1	24·0	109·3	77·7	31·6	96·0	104·4	93·0	+2·9	66·3	72·5	73·8	70·
West Coast.	Bombay	37	29·834	29·737	·097	29·785	+·011	·761	91·5	80·9	10·6	93·0	76·9	16·1	87·5	88·2	85·1	+0·5	76·9	79·2	79·8	78·
	Karwar	44	·854	·759	·095	·808	+·021	·786	90·8	81·3	9·5	92·5	78·4	14·1	87·6	89·0	84·9	+1·2	77·1	78·8	79·4	78·

‡ Mean of 30 days. § Mean of 20 days. ¶ Mean of 28½ days. ‖ Mean of 27 days.

II.

62 Stations in India, Burma, etc., for May, 1906.

Vapour Tension.					Humidity.					Cloud.				Wind Direction. Total number of 10 h. and 16 h. winds from									Wind Steadiness.		Wind Velocity.		Rainfall.		Station.
From minimum.	Mean 10 h.	Mean 16 h.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 h.	Mean 16 h.	Mean of daily means.	Departure from normal.	Mean 10 h.	Mean 16 h.	Mean of two previous columns.	Departure from normal.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Mean wind direction.	Normal mean wind direction of month.	Average percentage.	Normal percentage.	Mean velocity in miles per diem.	Normal.	Total rainfall for the month.	Heaviest rainfall during the month.	
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
																									%	%					
·894	·958	·947	·946	−·005	89	73	72	80	− 5	6·7	7·5	7·1	+0·1		2	6	1	9	4	18	16	6	S 59° W	S 39° W	40	43	219*	178	21·90	7·26	Port Blair.
·858	·880	·867	·883	−·007	87	67	64	77	− 6	5·6	6·1	5·9	−1·2	2	1			3	38	3	13	2	S 21° W	S 21° W	69	59	56*	110	15·74	9·05	Rangoon.
·812	·941	·902	·893	−·006	82	75	75	79	+ 1	4·9	4·8	4·9	−1·6				1		1	16	10	32	N 76° W	S 72° W	71	46	266*	187	21·41	8·15	Diamond Island.
	·955	·958				72	68			4·8	4·3	4·6	−1·1			2	2	12	7	23	12	4	S 35° W	S 24° W	55	30	134*	84	6·23	1·80	Akyab.
·794	·877	·910	·862	−·013	90	73	73	80	0	5·4	5·0	5·2	−0·5	3	1	3	3	8	20	20	2	2	S 11° W	S 1° W	58	43	173*	154	11·82	3·02	Chittagong.
·833	·960	·886	·902	+·019	85	68	54	72	− 3	3·9	2·3	3·1	−1·2		1	2	7	10	22	19		1	S 2° E	S 9° W	65	67	158*	168	3·98	1·40	Calcutta (Alipore).
·858	1·055	1·065	1·028	+·041	87	76	74	80	− 1	5·6	3·8	4·7	−1·2		1		1	10	33	15	2		S 5° W	S 6° W	81	73	494	406	3·16	2·03	Saugor Island.
·877	·977	1·019	·960	−·018	84	72	77	79	− 4	5·0	4·6	4·8	0				1	6	17	35	3		S 26° W	S 21° W	82	75	371*	329	2·24	0·86	False Point.
·527	·525	·418	·521	+·029	56	35	27	41	− 1	2·4	3·8	3·1	−0·8		7	2	3	7	9	6	9	19	N 77° W	S 89° W	29	16	220*	221	0·59	0·53	Hazaribagh.
·569	·479	·399	·495	−·026	53	28	18	35	− 4	1·2	1·1	1·2	−0·4	1	7	9	9	4		2	15	15	N 24° W	N 6° W	35	24	124*	163	0·45	0·29	Allahabad.
·379	·375	·331	·365	−·038	47	26	20	33	− 8	1·0	3·8	2·4	−0·3	4	3	4	6	9	9	12	14	1	S 25° W	S 79° W	31	24	56	53	0·08	0·05	Dehra Dun.
·389	·411	·338	·386	−·042	43	25	17	30	− 7	0·2	0·2	0.2	−1·4	6		2	3	27			1	23	S 78° E	S 54° W	10	11	147	89	0·31	0·29	Roorkee.
·477	·552	·501	·521	+·067	51	30	22	35	− 1	0·5	1·3	0·9	−1·3	9	12	4	6	10	4	1	11	5	N 6° E	N 12° E	11	18	76	77	0·17	0·13	Lahore.
·445	·547	·447	·487	0	44	33	19	34	− 7	0·3	0·8	0·6	−1·5	2	1	1	3	12			40	3	S 81° W	N 57° W	48	10	76*	62	0·12	0·12	Ludhiana.
·416	·455	·443	·449	+·013	54	31	27	38	− 2	1·9	5·3	3·6	+0·5	12	16	7	4	2	3		10	8	N 13° W	N 16° E	37	28	74*	110	0·47	0·15	Peshawar.
·514	·662	·624	·611	+·121	48	29	23	34	+ 2	0·2	1·2	0·7	−0·5	2	6	2	9	5	5	5	12	16	N 62° W	S 33° E	24	10	129*	113	0	0	Jacobabad.
·839	·896	·961	·921	+·003	84	64	68	78	− 1	1·4	2·3	1·9	−0·1			1				22	38	1	S 74° W	S 67° W	83	84	376*	406	0	0	Kurrachee.
·366	·377	·280	·348	−·100	32	19	12	23	−12	0·7	2·2	1·5	−0·8			2			1	5	32	22	N 76° W	N 72° W	82	48	201	151	0·21	0·21	Jaipur.
·506	·504	·518	·515		45	29	24	33		0·2	0·8	0·5		3	2	1			1	18	34	3	S 79° W		79		210*		0	0	Udaipur.
·619	·577	·333	·516	−·050	66	37	14	39	− 1	0·2	0·2	0·2	−1·2		1				6	20	21	4	S 62° W	S 63° W	82	71	336	22	0	0	Deesa.
·748	·743	·727	·757		79	48	45	61		0	0	0			1					17	38	6	S 83° W		88		491*		0	0	Jamnagar.
·631	·585	·616	·642	+·016	89	51	46	71	+ 1	2·6	2·7	2·7	−0·8	2		1	1			12	26	5	S 83° W	W	78	60	371†	422	3·78	2·1	Belgaum.†
·531	·512	·410	·518	+·019	56	32	18	41	− 1	2·1	5·4	3·8	−0·3		3	3	3	7		7	6	33	N 53° W	N 48° W	49	58	363*	271	0·83	0·59	Sholapur.
·466	·591	·485	·501	+·090	39	33	20	31	+ 3	2·1	3·9	3·0	+0·6	1	2	1	1			1	16	40	N 55° W	N 49° W	85	72	261*	230	0·02	0·02	Akola.
·445	·485	·344	·417	+·014	45	31	17	31	− 1	0·6	1·6	1·1	−1·3	1	6	1					28	26	N 61° W	N 51° W	84	68	319*	293	0	0	Buldana.
·448	·471	·325	·402	−·041	40	28	14	27	− 5	0·4	0·6	0·5	−1·6		13	1					17	31	N 47° W	N 63° W	84	75	304*	247	0	0	Khandwa.
·390	·453	·419	·408	−·023	34	22	19	25	− 3	1·0	5·0	3·0	−0·8	3	9	1	1	2	5	7	26	8	N 83° W	N 48° W	55	41	177*	192	1·14	0·34	Nagpur (Sanitary Commrs.' Office).
·452	·506	·450	·475	−·091	41	30	21	32	−10	3·0	4·7	3·9	+0·7	27				1		3	18	13	N 77° W	N 64° W	47	43	144*	154	0·84	0·67	Hyderabad (Deccan).
·872	·892	·907	·903	+ 014	83	68	68	76	0	2·7	3·4	3·1	+0·5						3	20	30	9	S 78° W	N 83° W	84	71	189	242	0	0	Bombay.
·877	·865	·876	·886	+·021	82	66	64	74	− 1	1·4	0·9	1·2	−2·0		5					9	17	31	N 66° W	N 66° W	60	81	115	137	0·09	0·09	Karwar.

* Corrected.

† Wind observations less 15.

Table

Abstract of Observations recorded at 10 h. and 16 h. at

Meteorological Province.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure. Mean of 10 h.	Mean of 16 h.	Mean daily range.	Mean of daily mean pressures.	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 h.	Mean 16 h.	Mean of daily means.	Departure from normal.	Temperature, Wet-bulb. Mean minimum.	Mean 10 h.	Mean 16 h.	Mean of three previous columns.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
South India.	Periyakulam	944	28·906	28·771	·135	28·838		29·701	97·1	73·5	23·6	103·3	66·1	37·2	87·6	92·8	85·3		70·9	75·7	77·0	74·5
	Salem	940	·836	·774	·162	·867	−·004	·715	104·2	78·7	25·5	107·7	72·4	35·3	93·3	100·5	89·2	+3·9	75·0	81·2	84·8	80·3
	Chitaldroog	2,405	27·484	27·353	·131	27·423	+·005	·687	97·5	72·9	24·6	102·8	68·0	34·8	85·6	96·0	83·5	+2·8	66·9	72·5	72·7	70·7
	Bangalore	3,021	26·907	26·777	·130	26·849	+·006	·681	95·9	70·5	25·4	98·9	66·8	32·1	84·8	93·9	81·5	+3·0	65·2	70·7	70·0	68·6
	Hassan	3,091	·861	·751	·110	·813	+·022	·727	93·3	67·3	26·0	100·2	62·6	37·6	83·4	89·6	78·6	+3·2	65·3	70·7	72·6	69·5
	Mysore	2,518	27·402	27·267	·135	27·342	+·001	·722 **	94·8 **	70·7 ††	24·1	100·1	65·8	34·3	83·8 **	92·2	81·1 ††	+1·9	67·9 **	72·2 **	73·0 **	71·0
	Pudukkottai	318	29·524	29·379	·145	29·452		·695	102·7	80·7	22·0	108·3	74·8	33·5	92·2	99·6	91·8		74·6	77·3	79·1	77·0
	Madras	22	·773	·657	·116	·723	−·010	·676	100·8	83·0	17·8	111·5	77·2	34·3	95·9	98·2	90·8	+2·1	77·8	82·6	82·9	81·1
	Bellary	1,475	28·356	28·206	·150	28·281	−·017	·651	105·6	79·2	26·4	109·0	73·0	36·0	93·0	102·2	91·4	+2·4	68·0	72·4	72·0	70·8
	Waltair	*226*	29·514	29·407	·107	29·461	−·030	·623	95·3	82·1	13·2	111·2	78·0	33·2	90·4	89·0	87·6	+1·8	74·9	80·1	80·0	78·3
Hill Station, Baluchistan.	Quetta	5,502	24·606	24·535	·071	24·562	+·008	24·522	83·7	53·9	29·8	90·1	48·2	41·9	77·2	81·3	69·0	+1·0	48·3	59·6	58·7	54·9
Hill Stations, Northern India.	Leh	11,503	19·727	19·637	·090	19·689	−·005	19·657	64·5	38·2	26·3	72·6	31·4	41·2	55·2	61·0	50·7	+0·9	30·9‡	40·1	42·5	37·8
	Srinagar	5,204	24·842	24·764	·078	24·805	−·009	24·777	75·7	54·5	21·2	83·2	47·2	36·0	66·5	73·2	64·5	+0·6	52·1	62·0	63·3	60·8
	Sarain		23·123	23·067	·056	23·086			75·4	52·0	23·4	83·0	46·5	36·5	70·4	71·6	63·8			51·6	53·8	
	Kalabagh								Imperfect.													
	Simla (Ridge)	7,224	·082	·027	·055	·046	−·016	23·008	75·0	60·9	14·1	81·6	50·9	30·7	69·0	72·4	68·1	+2·1	49·0	53·3	55·1	52·5
	Chakrata	7,022	·241	·197	·044	·209	−·021	·169	76·4	60·3	16·1	83·3	51·0	32·3	72·0	72·4	68·5	+2·9	49·0	54·8	55·9	53·2
	Ranikhet	6,069	24·033	·969	·064	·992	−·033	·951	82·9	63·4	19·5	89·9	53·0	36·9	77·2	77·6	73·3	+3·8	53·5	59·0	59·0	57·2
	Muktesar	7,600	22·780	22·723	·057	22·743		22·701	77·6	58·4	19·2	84·6	48·0	36·6	69·5	73·2	68·1		48·2	54·6	57·0	53·3
	Katmandu	4,388	25·530	25·434	·096	25·478	−·015†	25·432	87·5	60·9	26·6	95·4	52·0	43·4	78·6	83·1	74·3	+3·5	59·0	65·1	65·8	63·3
	Darjeeling	7,376	22·966	22·926	·040	22·942	−·020	22·897	65·7	52·9	12·8	74·8	48·5	26·3	62·1	63·7	59·5	+1·2	50·4	58·8	61·0	56·7
Hill Stations, C. India.	Mount Abu	3,945	25·995	25·924	·071	25·956	−·002	25·907	90·1	73·3	16·8	96·2	63·4	32·8	83·6	88·5	81·7	+1·9	58·0	61·4	64·4	61·3
	Pachmarhi	3,528	26·376	26·275	·101	26·323	−·011	26·270	99·2	76·9	22·3	102·7	68·5	34·2	90·2	96·8	88·2	+3·0	59·9‡	65·8	65·8	62·5
	Chikalda	3,642	·280	·182	·098	·228	−·002	·173	97·0	75·7	21·3	101·4	70·5	30·9	87·0	96·2	86·5	+2·8	61·1	65·7	66·9	64·6
Hill Stations, S. India.	Kodaikanal	7,688	22·857	22·787	·070	22·822		22·757	71·1	56·4	14·7	76·1	52·7	23·4	67·4	65·6	63·7		50·1	57·3	59·8	55·7
	Ootacamund	*7,329*	23·068	23·001	·067	23·035		·971	71·1	53·7	17·4	74·7	48·4	26·3	67·5	66·6	62·6		47·2	54·6	55·9	52·6
	Dodabetta	8,539?	22·014	21·967	·047	21·991		21·928	65·7	52·6	13·1	70·1	49·5	20·6	63·1	61·7	59·2		47·3	52·2	53·7	51·1
Extra India.	Aden	94	29·802	29·688	·119	29·745	+·026	29·769	92·7	82·6	10·1	95·5	78·0	17·5	87·6	91·1	86·5	+0·5	76·7	80·5	81·1	79·4
	Perim	201	·662	·548	·114	·602	+·019	·735	92·9	82·4	10·5	95·7	80·2	15·5	89·5	90·6	86·5	+0·5	76·2	78·8	79·9	78·3
	Minicoy	7	·913	·854	·059	·889		·821	89·3			92·4			86·3	86·0				80·2	79·6	
	Zanzibar	72	30·034	·938	·096	·991	+·015	·990	82·5	75·3	7·2	85·1	72·4	12·7	79·0	81·6	77·8	0	71·9	75·4	75·3	74·2
	Port Victoria (Seychelles).	15	29·963	·886	·077	·926	−·015†	·864	85·0	79·1	5·9	86·3	76·6	9·7	83·5	83·9	80·7	+1·2	74·5	78·0	78·2	76·9
	Mauritius (Pamplemousses).	181				·920	+·019	30·049				84·0	57·4	26·6			72·1	0				67·6

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

** Mean of 27 days. †† Mean of 26 days. ‡ Mean of 29 days.

† Departures from old normals.

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

II—*concluded.*

62 Stations in India, Burma, etc., for May, 1906—concluded.

Vapour Tension.					Humidity.					Cloud.				Wind Direction.										Wind Steadiness.		Wind Velocity.		Rainfall.		Station.	Meteorological Province.
From minimum.	Mean 10 h.	Mean 16 h.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 h.	Mean 16 h.	Mean of daily means.	Departure from normal.	Mean 10 h.	Mean 16 h.	Mean of two previous columns.	Departure from normal.	Total number of 10 h. and 16 h. winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Mean wind direction.	Normal mean direction of wind	Average percentage.	Normal percentage.	Mean velocity in miles per diem.	Normal.	Total rainfall for the month.	Heaviest rainfall during the month.		
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
·720	·731	·716	·722		87	56	47	64		2·9	5·6	4·3		14	7	7	1	8	6	6	3	10	N 39° W		% 7	%	82§		8·21	2·80	Periyakulam.	South India.
·817	·910	·993	·910	+·137	84	58	51	66	+ 1	4·1	6·5	5·3	+0·5	10		3	3	1	2	30	6	7	S 58° W	S 52° W	50	52	154§	98	3·51	1·20	Salem.	
·588	·639	·515	·595	+·006	73	53	31	54	— 3	2·2	2·7	2·5	—1·9		4	3	4	2		9	21	19	N 70° W	N 78° W	56	73	222§	216	1·23	0·79	Chitaldroog.	
·563	·586	·456	·549	−·056	72	49	29	52	—11	3·0	4·5	3·8		1	2	3	7	4	1	5	26	13	N 76° W	S 81° W	43	66	208§	151	1·36	0·48	Bangalore.	
·601	·615	·605	·621	+·008	90	54	44	65	— 4	4·3	5·8	5·1	−0·9	4	3	8	3	1	4	5	18	16	N 64° W	N 82°W	42	70	92§	96	2·61	0·76	Hassan.	
·650 ††	·646 **	·570 **	·636	+·010	86 ††	56 **	38 **	62	— 3	6·0	5·7	5·9	−0·2		3	6	5	4	1	9	24	10	N 81°W	S 84° W	42	60	261§	215	4·45	2·26	Mysore.	
·782	·738	·723	·748		75	49	39	54		5·0	5·2	5·1		3	4		1	6	9	12	7	20	S 81° W		40		244§		2·19	1·23	Pudukkottai.	
·886	·935	1·004	·956	+·060	79	56	67	69	— 1	3·2	2·7	3·0	−0·7				1	28	11	8	10	4	S 4° E	S 9° E	48	66	223	218	0	0	Madras.	
·551	·541	·405	·524	—·062	56	35	20	39	— 6	2·7	3·5	3·1	−2·2	4	4	1	2	1	2	3	24	21	S 69° W	N 72° W	61	58	209§	204	0·82	0·45	Bellary.	
773	·891	·903	·870	−·017	71	63	67	69	— 1	4·1	6·1	5·1	+0·7						12	50			S 37° W	S 19 W	95	67	373§		0·11	0·04	Waltair.	
·282	·278	·264	·269	−·005	68	30	25	41	0	0·8	2·4	1·6	−0·4	17	4	1		1		1	11	27	N 53° W	N 69° W	60	45	58§	79	0·12	0·12	Quetta.	Hill Station, Baluchistan.
·116‡	·120	·115	·116	—·014	50‡	28	22	33	— 7	5·9	6·8	6·4	—0·1		8	2	4	1	10	13	20	4	S 73° W	S 72° W	43	31	85	77	0·04	0·03	Leh.	
·367	·513	·648	·480	+·038	86	78	78	81‖	+ 3	2·9	5·0	4·0	0	13	7	8	2	5	1	2	8	16	N 28° W	N 30° E	32	6	83§	103	2·81	1·00	Srinagar.	
	·190	·233				27	32			2·6	3·7	3·2		23	1	4	2	3	11	15	2	1	S 1° W		32		60§		1·25	0·56	Sarain.	Hill Stations, Northern India.
																															Kalabagh.	
·228	·246	·259	·238	—·031	43	35	33	37	— 9	1·5	1·8	1·7	−2·2	3	22	2		5	19			11	N 19° W	N 18° W	14	25	124§	144	0·62	0·22	Simla (Ridge)	
·230	·255	·278	·248	—·020	44	33	36	38	—10	1·4	3·2	2·3	−1·3	9				20	32	1			S 16° E	S 57° W	79	33	218§	187	1·18	0·35	Chakrata.	
·309	·313	·312	·305	—·019	55	34	34	41	—8	1·4	3·1	2·3	−1·1	6	1	1		2	2	16	26	8	S 80° W	S 66° W	66	44	101§	98	0·64	0·19	Ranikhet.	
·236	·280	·303	·267		50	39	39	43		2·8	4·6	3·7		3		1	1		1	11	41	4	S 84° W		81		252§		0·63	0·30	Muktesar.	
·492	·473	·441	·463	—·027	89	49	41	60	— 8	3·3	5·1	4·2	−1·0	4		2	15	1	1	3	34	2	S 87° W	S 89° W	32	39	34	43	2·01	0·57	Katmandu.	
·344	·467	·515	·436	+·033	5	83	86	85	— 2	6·3	7·4	6·9	−0·5	5	1	4		2		9	21	20	N 75° W	S 78° W	63	36	131§	163	9·99	1·62	Darjeeling.	
·307	·292	·328	·301	−·044	38	26	25	30	— 6	0·2	0·2	0·2	−1·0					1	1	37	15	8	S 63° W	S 66° W	82	70	294§	259	0	0	Mount Abu.	Hill Stations, C. India.
·319‡	·322	·276	·298	—·065	34‡	23	16	24	— 9	1·0	2·7	1·9	−1·1			1		1		9	25	26	N76° W	N 66° W	81	58	249§	180	0·48	0·26	Pachmarhi.	
·375	·387	·318	·352	—·014	43	31	19	31	— 3	2·6	5·1	3·9	+0·9	3	17	1				1	1	39	N 33° W	N 33° W	85	67	193§	242	0·28	0·28	Chikalda.	
·303	·372	·462	·379		67	56	73	65		4·0	5·9	5·0			18	7	11	4	6	4	2	9	N 21° E		31		286		4·10	1·25	Kodaikanal.‖‖	Hill Stations, S. India.
·261	·295	·338	·295		63	44	52	53		5·6	6·2	5·9			8	13	15	8		2	10	6	N 44° E		32		101§		2·94	1·04	Ootacamund.	
·275	·279	·331	·295		70	48	61	60		5·5	6·4	6·0			21	15	7					19	N 5° E		72		456		2·47	0·78	Dodabetta.	
·844	·948	·928	·942	+·067	75	73	64	74	+ 4	2·6	1·2	1·9	0	1		6	7	22	9	14		3	S 28° E	S 59° E	52	43	108§	269	0	0	Aden.	Extra India.
·825	·846	·883	·886	−·080	74	61	61	68	— 8	0·3	0·9	0·6	−1·0†		3			20	19	3	3	14	S 2° W	N 86° E	35	29	P	329	0	0	Perim.	
	·955	·925				76	75			5·7	6·0	5·9			5	5	6	3		11	12	20	N 61° W		42		197§		8·38	2·16	Minicoy.	
·743	·831	·796	·825	—·005	84	84	74	84	0	6·3	6·8	6·6	+0·5	1			1	11	34	14	1		S 2° W	S 5° E	84	85	190§	194	15·24	2·93	Zanzibar.	
·791	·893	·900	·875	+.029†	79	77	77	80	0	5·2	5·6	5·4	+0·3	2			9	28	15	4	1	3	S 33° E	S 43° E	68	59	172	165	5·17	1·26	Port Victoria (Seychelles).	
			·603	−·022				76	− 3			7·1	+2·0										S 58° E	S 65° E			247	246	4·03	0·88	Mauritius (Pamplemouses)	

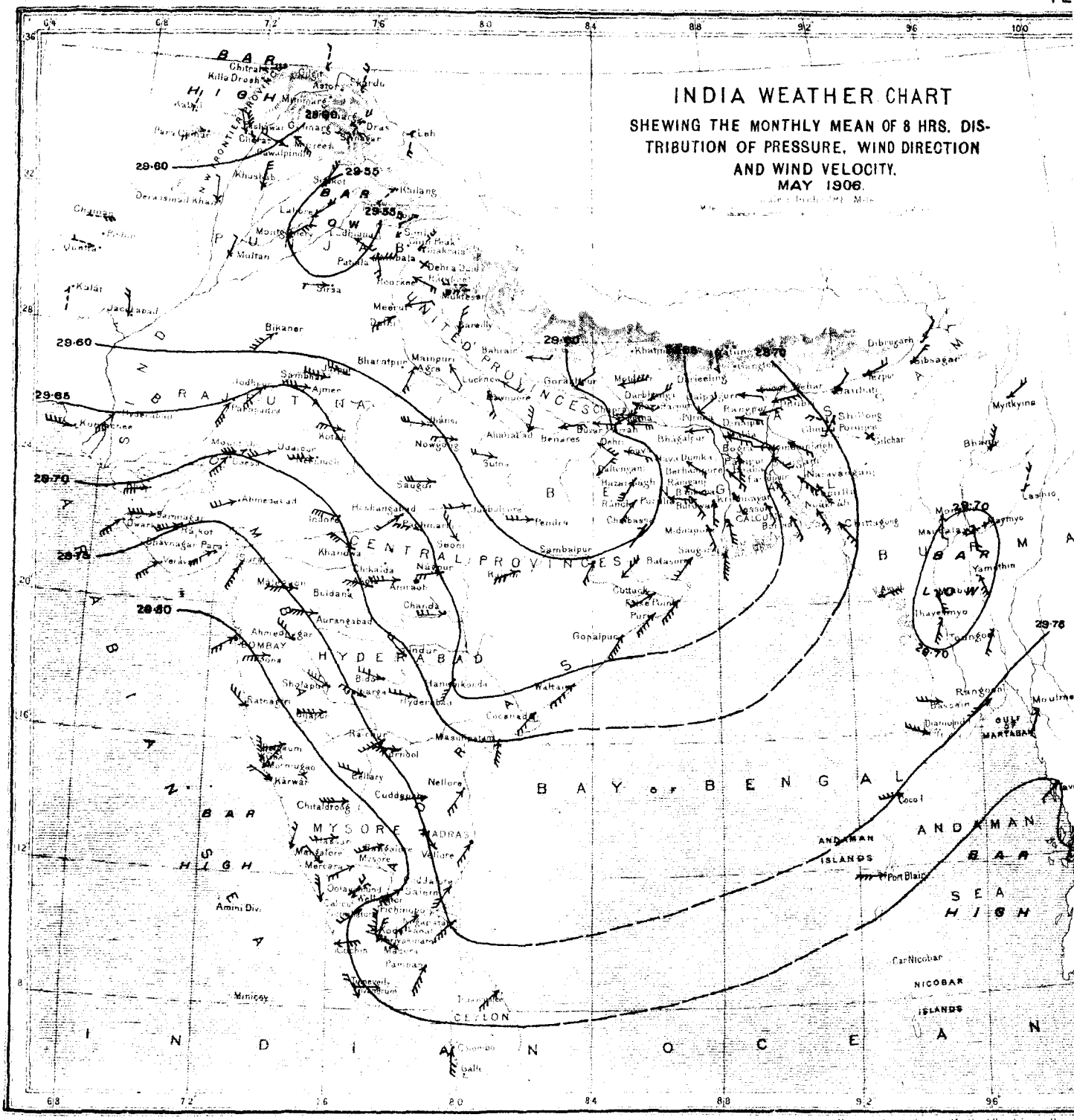
* Mean of 30 days.

‖‖ Wind variable 1.

‖ Mean of three previous columns

§ Corrected.

G. I. G. P. O. No. 42 Meteor.—1-8-05—00

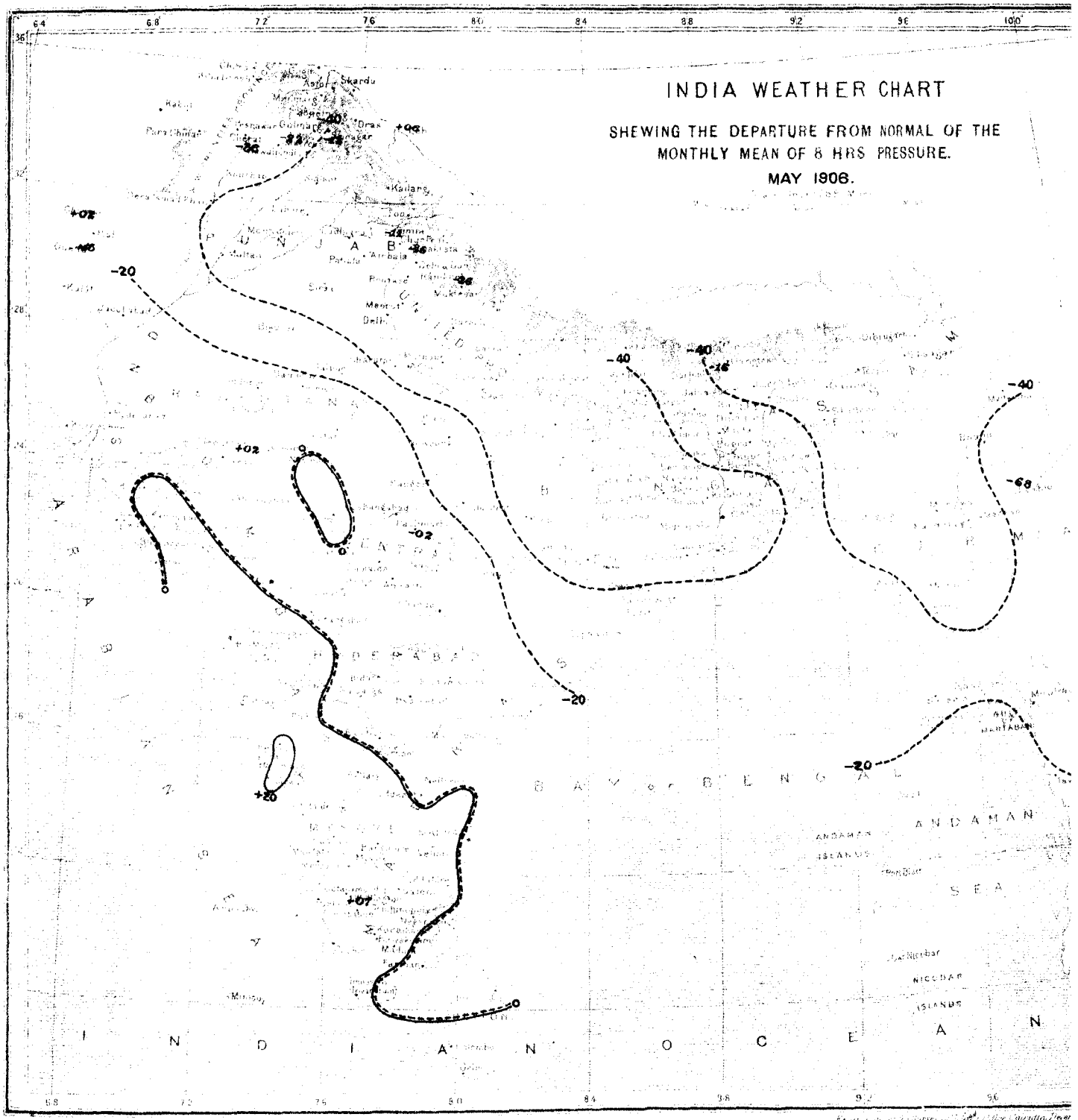


Engraved at the Survey of India Office, Calcutta, Decem
LITHO. BY S.B. MUNDL

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

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

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



LITHO. BY S.E.GUNO

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

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

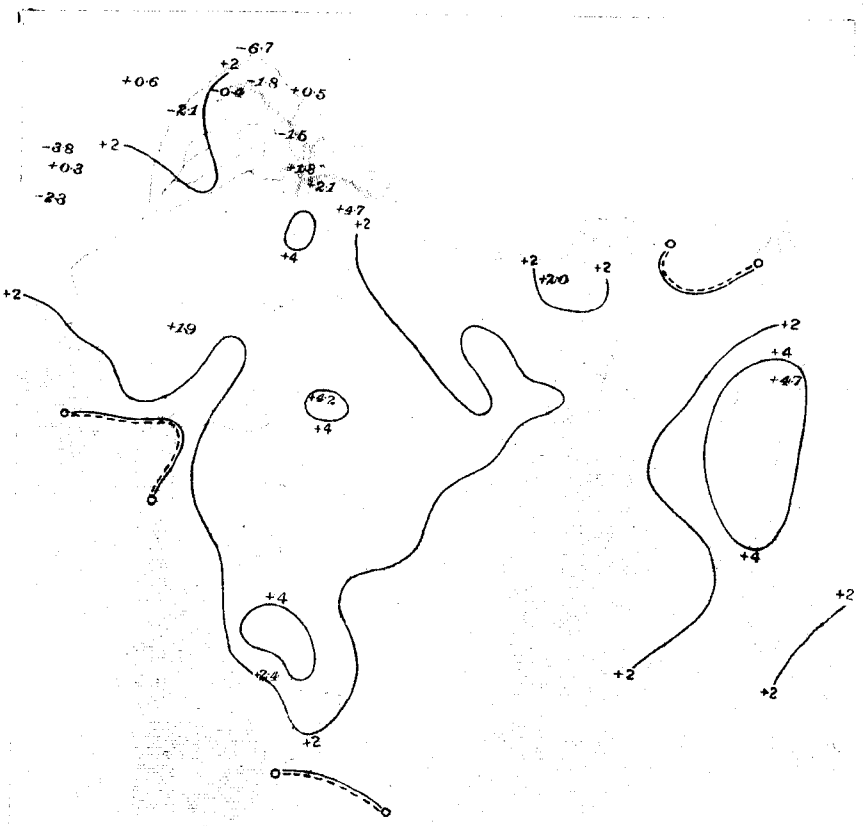
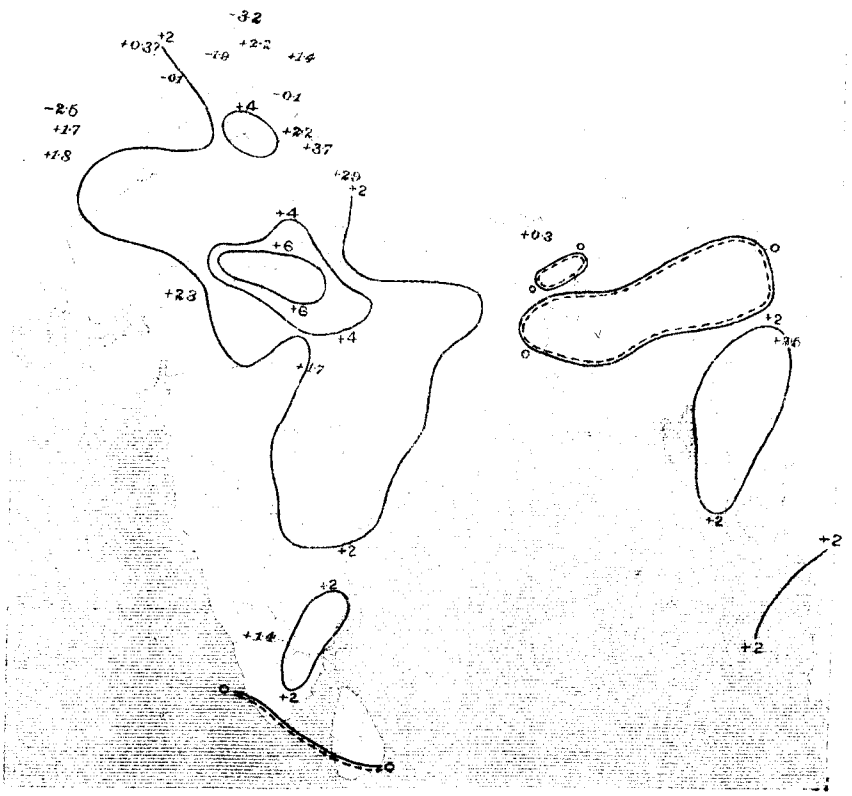


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MINIMUM TEMPERATURE.



LITHO. BY S.S.MUNDLE.

PLATE IV.

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

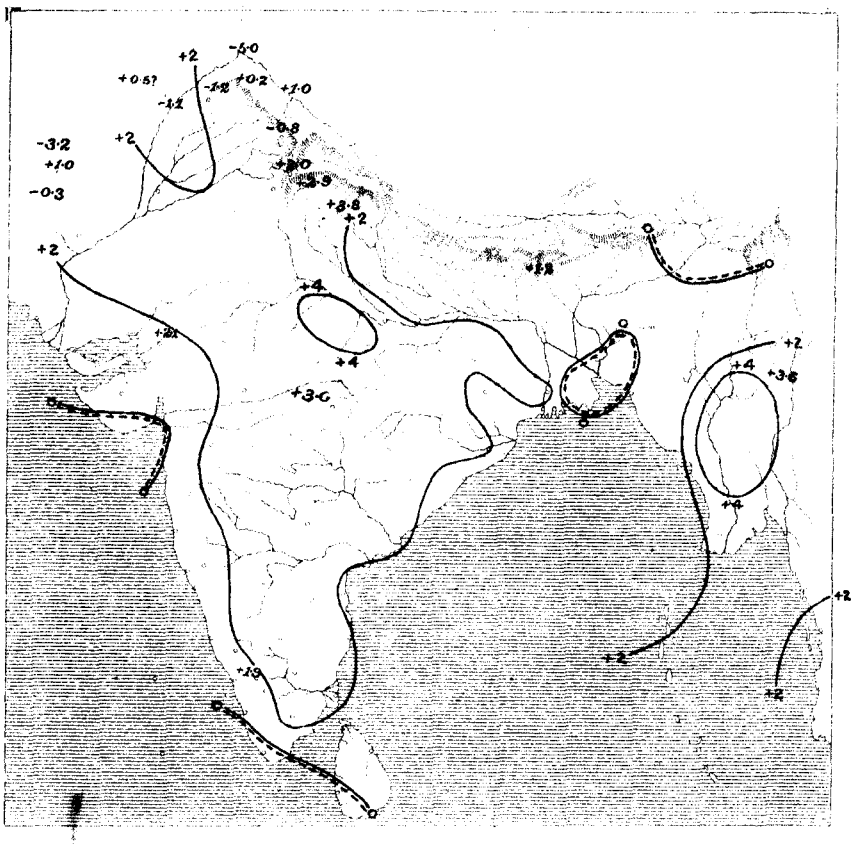
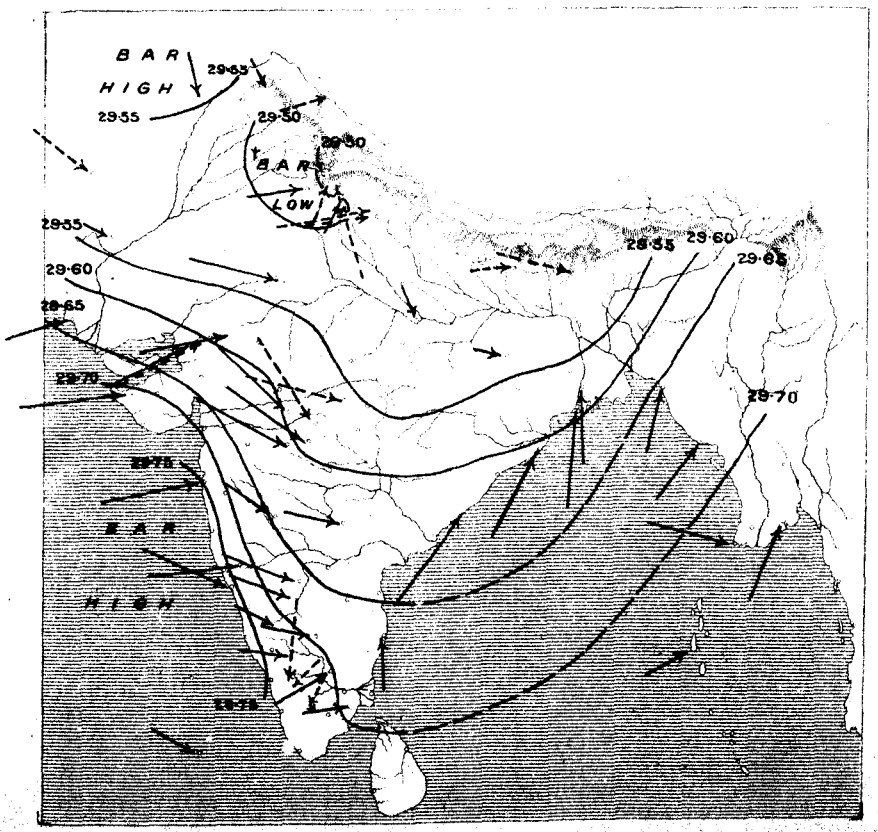


CHART SHEWING THE MONTHLY MEAN OF
PRESSURE AND RESULTANT
WIND DIRECTION.



LITHO. BY S.S. MUNDLE.

PLATE V.

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

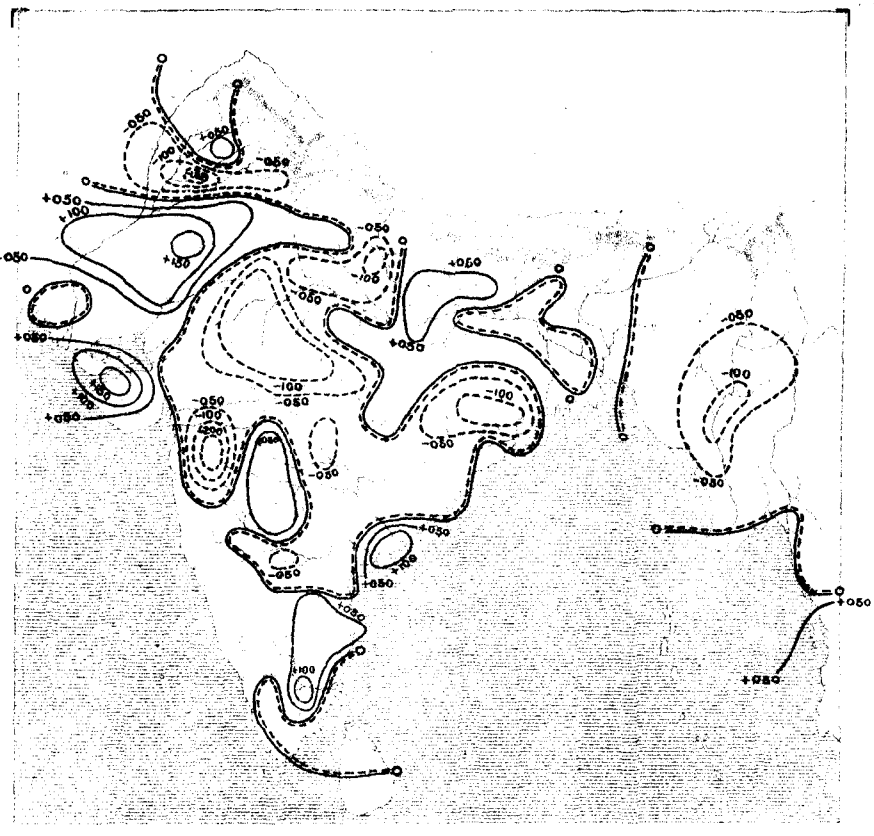
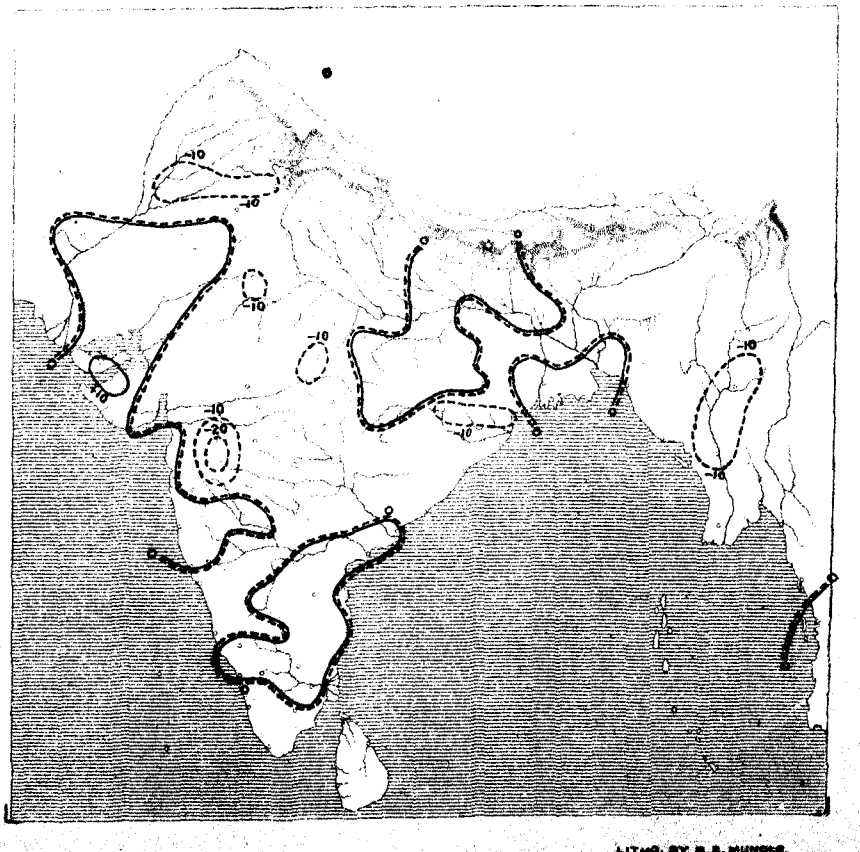


CHART SHEWING THE DEPARTURE FROM NORMAL
OF THE MONTHLY MEAN OF RELATIVE
HUMIDITY AT 8 HRS.



LITHO. BY S.S. MUNDLE.

PLATE VI.

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

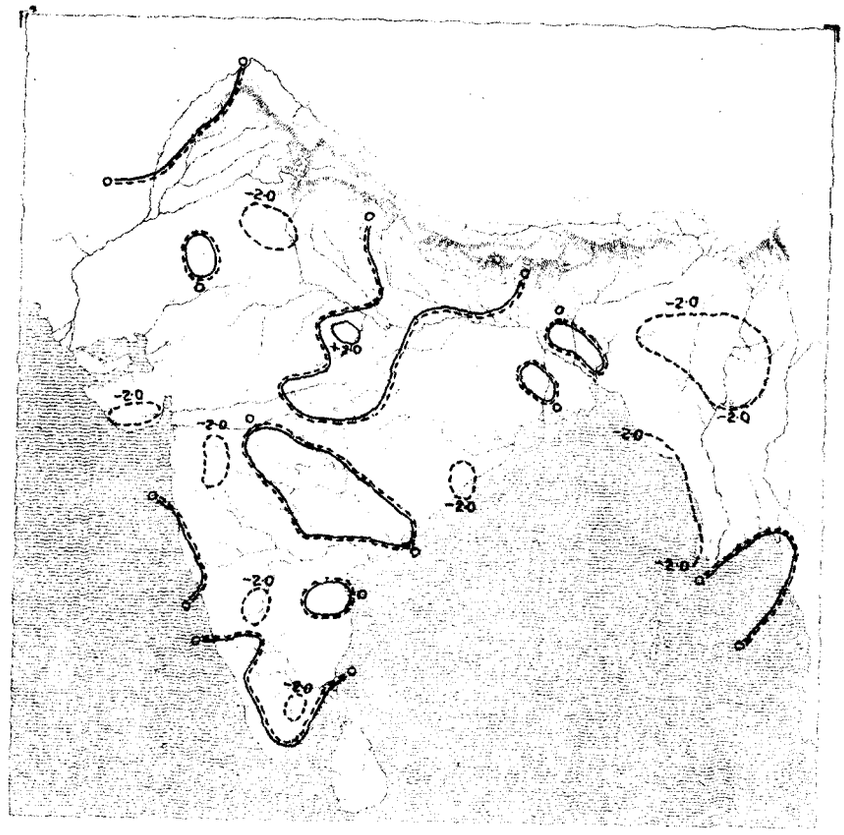
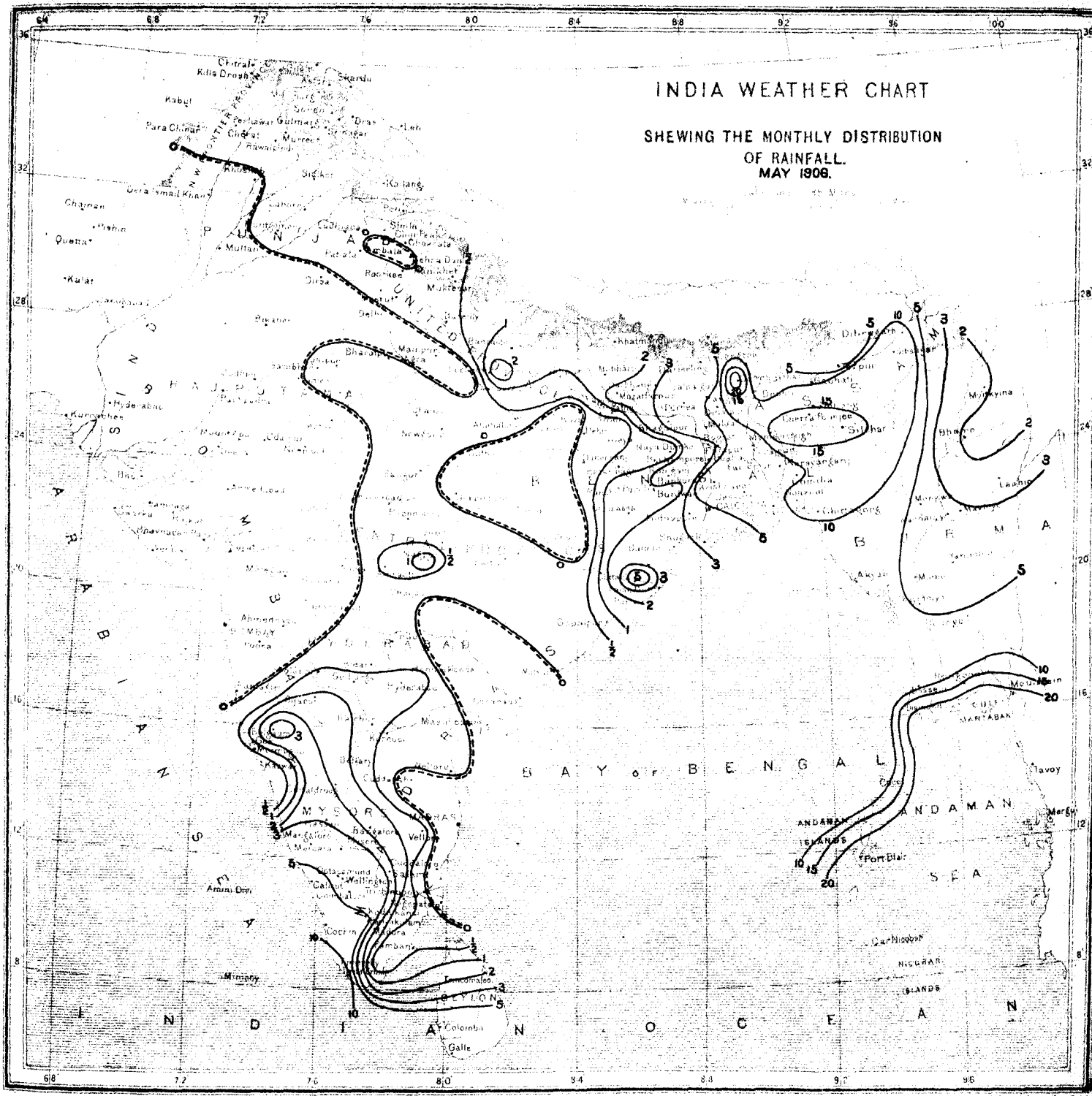


CHART SHEWING THE TOTAL NUMBER OF DAYS IN THE MONTH ON WHICH RAINFALL EQUALLED OR EXCEEDED 0·10 INCH.

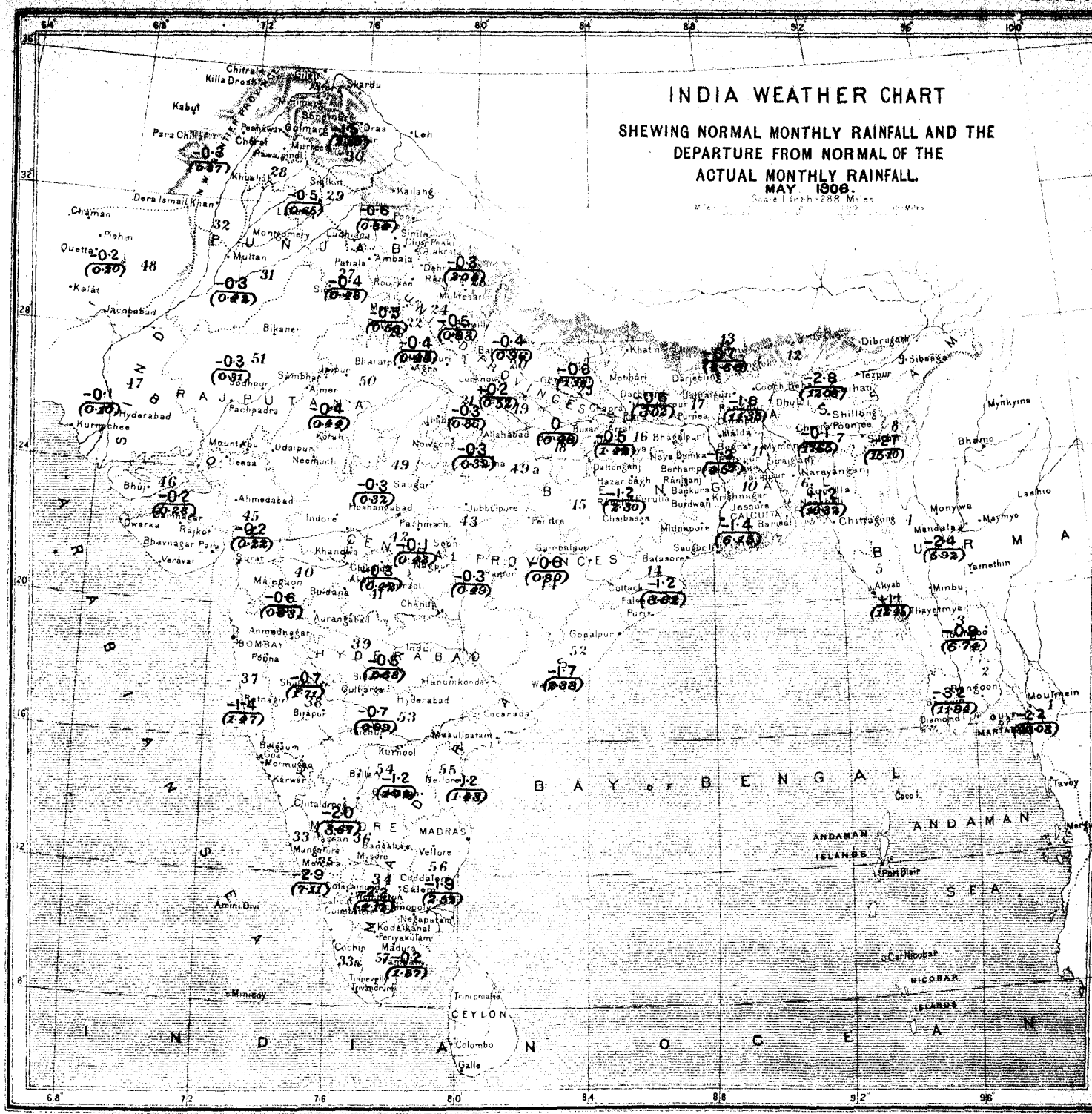
LITHO BY A. S. MUNDLE.



Engraved at the Survey of India Office, Calcutta, December 1906.

LITHO. BY S. S. MUNDLE.

The chart shows the distribution of the rainfall of the month by means of isohyetic lines or lines of equal amounts of rain. The data used in the preparation of this chart are the rainfall returns of all the observatories in India except those at the hill stations over 3,500 feet in elevation (177 in number). The double line or line of no rainfall separates areas in which the rainfall exceeded a tenth of an inch from those where it was actually or practically *nil* (*i.e.* less than a tenth of an inch). The dotted line faces the area of no rainfall.



The country is divided into 57 areas, over each of which the meteorological conditions are fairly uniform, and the staple crops similar in character. The numbers in bracket on the chart give the average over the division of the normal monthly rainfall; the numbers above these give the departure from these normals of the average actual rainfall over the division. The name of the district can be ascertained by referring in the following list to the number given in each district in red figures.

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

GOVERNMENT OF INDIA.

METEOROLOGICAL DEPARTMENT.

MONTHLY WEATHER REVIEW

PUBLISHED BY ORDER OF

THE GOVERNMENT OF INDIA.

CALCUTTA, JUNE, 1906.

INTRODUCTION.

THIS review of the weather in India during the month of June, 1906, is based on observations taken daily at 8 h. at 232 stations, and on additional observations taken at 10 h. and 16 h. at 62 stations. In the rainfall summary the data furnished by the meteorological observatories, and such rainfall statements of the month as had been published by the provincial Governments up to the date of the preparation of the review, have been utiliz The brief notes on solar, seismic and magnetic disturban have been supplied by the chief observatories. For a st ment of the methods adopted in recording and tabulat the data, for each of the elements of observation, refere should be made to the introductory portion of the revi for January.

Summary of the chief features of the weather in India during the month of June, 1906.

2. The chief feature of the weather of June, the breaking of the monsoon, occurred later than its normal date over the greater part of India, most notably in Malabar, the Central Provinces and the east of the United Provinces. In these areas the delays amounted to 10, 10 and 12 days, respectively. The month's rainfall, due to unsettled conditions prior to the monsoon, and, later, to the monsoon current itself was deficient in lower Burma, Bengal, Assam, a large part of the Punjab plains, in Rajputana, Central India and on the west coast, and was above normal elsewhere.

Three depressions developed during the month, but only one was of importance. It crossed India, between the 17th and the 23rd, from the east coast to Sind, and caus light, moderate and heavy rain along its course.

Mean pressure was ·018″ in excess over India a Burma, and departures from this average condition we nowhere large. The monthly average of mean temperatu was nearly normal, with a slight excess in part of Beng and a slight defect in upper Burma. The actual dep tures from normal, however, which occurred from time time during the month, were considerable in several pa of India.

Humidity conditions were, on the monthly averag approximately normal; they showed, however, an exce in Sind, Cutch and Rajputana, and a defect in the Unit Provinces and the east Punjab.

Solar, seismic and magnetic disturbances.

KODAIKANAL OBSERVATORY.

3. *Solar observations.*—The weather during the month was on the whole very unfavourable for solar observations. There were two days on which no observations were possible, 10 other days on which prominences could not be observed, and a number of other days when the observin conditions were poor.

Sunspots.—At the beginning and at the end of th month spots were numerous, and in all 27 new groups we recorded, against 20 in May. The mean daily numb was 4·7 against 4·1 in May. The largest number of grou

on any day was 10 on the 30th, and the smallest 1 on the 18th and 19th. The northern hemisphere still continued far the more active, and two-thirds of the whole number of new groups appeared in it. Taking the two hemispheres together there were seven groups with latitude less than 10°, 15 with latitudes between 10° and 20° and 5 with latitudes between 20° and 30°. The largest groups of the month were Nos. 872, 874, 877 and 880, all of which appeared after the 20th. No. 880 was the most important of these and was one of the largest seen this year. It came round the east limb on the 28th, and was a single round spot of regular outline. The spectrum was almost undisturbed in hydrogen, but there were some brilliant calcium eruptions in its neighbourhood.

Prominences.—The unfavourable weather rendered the prominence record very imcomplete, but 26 prominences were recorded of upwards of one minute in height, of which two were 2½ minutes high.

Magnetic disturbances.—There was a moderate magnetic disturbance which lasted from 14 h. on the 1st to 20 h. on the 3rd, and another from 7 h. 30 m. to 10 h. on the 4th. Between the first and the 2nd of the month group No. 857 filled up and disappeared close to the central meridian. On the 2nd No. 858*a* broke out on the central meridian, and on the 4th No. 859 was crossing the central meridian.

C. MICHIE SMITH,

Director,

Kodaikanal and Madras Observatories.

BOMBAY OBSERVATORY.

Note on the Colaba and Alibag records.

4. *Magnetic record.*—During the month the traces showed 12 calm days, 17 days of small and 1 day of moderate disturbances.

Movements suspected to be due to seismic causes occurred on the 4th at about 19 hours, the strain apparently lasting for about 8 hours.

The days selected as quiet for the purposes of the magnetic survey of India are the 6th, 7th, 12th, 22nd and 29th.

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

Declination	1° 3′ 29″ east.
Horizonal force	·36907 C.G.S. unit.
Dip	23° 7′·1.
Horizontal force range	·00046 C.G.S. „
H. F. summed range	·00329 C.G.S. „
Declination range	4′·12.
Declination summed range	18′·68.

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

Magnetic disturbances.

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

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

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

Days are reckoned from midnight to midnight.

Seismic record.—Four seismic disturbances were recorded during the month, on the 1st, 11th, 19th and 24th, that recorded on the 24th being the largest, with an amplitude of 7·0 m.m.

N. A. F. MOOS,

Director, Bombay Observatory.

CALCUTTA OBSERVATORY.

5 *List of displacements recorded by the seismograph at the Alipore Observatory during June, 1906.*

Date 1906.	P. T. Commencement. G. M. T.	L. W. Commencement. G. M. T.	Maxima. G. M. T.	End. G. M. T.	Maximum amplitude in m.m.	Duration.	REMARKS.
	H. M.	H. M.	H. M.	H. M.		H. M.	
1-6-06	4-39·8	4-47·9	5-10·3	6-57·0	6·00	2-17·2	
10-6-06	20-56·0	20-59·1	21- 3·1	21-30·6	4·00	0-34·6	
24-6-06	11-22·5	11-25·5	11-31·6	12-24·5	(*a*) 6·00	1- 2·0	
29-6-06	20-59·1	21-1·1	21- 4·7	21-15·3	0·50	0-16·2	

(*a*) Measured from the base line, but as the boom moved through nearly the whole breadth of the trace, the maximum amplitude cannot be accurately determined.

The standard times of the commencement.

Date 1906.	H.	M.
June 1st	10	10·1
„ 11th	2	26·3
„ 24th	16	52·8
„ 30th	2	29·4

C. W. PEAKE,
Asstt. Meteorological Reporter to the Govt. of India.

SIMLA OBSERVATORY.

6. *List of earthquakes recorded by the Omori-Ewing seismograph at the Simla Observatory.*

Date.	Commencement of P.T. G.M.T.	End of P. T. G.M. T.	Beginning of L. W. G.M.T.	Maxima G.M.T.	End approximately G.M.T.	Duration.	Maximum amplitude m.m.	REMARKS.
	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.		
1st	...	...	4 49·7	...	4 53·4	0 37	...	Tremor.
11th	...	...	...	14 40	...	0 0·2	0·25	Slight local shock.
12th	...	...	...	12 5·7	...	...	0·05	Very slight local shock.
13th	...	...	...	17 45·0?	...	...	...	Smart local shock.
16th	...	...	...	14 59·0	...	0 0·1	0·1	Local.
18th	...	...	7 59·9	...	8 1·1	0 1·2	...	Tremor.
21st	...	...	13 18·3	13 18·4	13 21·0	0 2·6	1·5	Sharp local shock.
24th	...	...	...	9 50·2	...	0 0·1	0·06	Local.
„	11 23·2	11 27·6	11 39·4	...	11 50	0 10·6	...	Distant.

The shock on the night of the 13th was also reported from Chakrata and Meerut, thus indicating that the disturbance was felt over a considerable area.

Shocks of earthquake were also felt at Mount Abu at 21 hours 50 minutes and 22 hours 30 minutes (standard time) on the 21st.

J. PATTERSON,
Deputy Meteorologist.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

7. *Solar observations.*—Sunspots, singly and in groups, and faculæ were observed on most days of the month. On the 10th, however, the sky was overcast, and on the 18th no record of sunspots was made :—

Magnetic disturbances.

Day.	Time.	Disturbance.
1 to 2	15 h. . . . 2 h. . . .	Occasional small fluctuations in H. F.
„ to 3	12 h. . . . 1 h. . . .	Wave in H F. (−90) with sharp wave (+17) from 2 d. 23¼ h. to 2d. 23⅝ h.
2 to 3	21 h. . . . 3½ h. . . .	Small fluctuations in H. F.
„	11 h. to 18 h. .	Ditto.
4	6 h. to 8½ h. .	Double crested wave in H. F. (+32).
„ to 5	17 h. . . . 4 h. . . .	Small fluctuations in H. F.
8	14 h. to 16 h. . .	Wave in H. F. (−20).
„	21 h. to 22 h. . .	„ „ (+14).
11	16 h. to 22 h. .	„ „ (−20).
12	12 h. to 13½ h. .	Decrease of H. F. (30)
13	9 h. to 12 h. .	Small fluctuations in H. F.
15	16 h. to 19 h. .	Wave in H. F. (+13), followed by small fluctuations till 23 h.
16 to 17	4 h. . . . 2 h. . . .	Occasional small fluctuations in H. F.
„	.....	Accentuated diurnal variation in H. F.
26	16 h. to 22 h. .	Occasional small fluctuations in H. F.

The measurements of horizontal force (H. F.) are given in C. G. S. measure (unit = ·00001).

Weather in the Indian monsoon region.

8. In the sub-equatorial regions a change from the prejudicial high pressure of May to a mean monthly pressure below normal occurred at Mauritius, and low mean values were also recorded at Zanzibar and Seychelles. Winds over the areas represented by these three stations were normal as regards direction and steadiness, but were inclined to be weak. Rainfall over the sea area at Mauritius and Seychelles was less than usual, but as in

May, that on the African coast at Zanzibar was largely above normal:—

June 1906.	Mauritius.	Zanzibar.	Seychelles.
Departure from normal of mean pressure.	—·034″	—·020″	—·017″
Actual mean wind direction . .	S 54° E	S 2° W	S 23°E
Normal mean wind direction . .	S 61° E	S 4° E	S 24° E

June 1906.	Mauritius.	Zanzibar.	Seychelles.
Actual mean wind velocity (miles per diem).	224	184	243
Normal mean wind velocity (miles per diem).	269	211	258
Rainfall departure	—0·19	+4·27	—0·63

Depressions and cyclonic storms.

9. Three depressions occurred during the month, two of them developing over the Bay of Bengal and one inland over the United Provinces.

Signs of the formation of the first depression were noticeable in a slight fall of pressure which occurred on the 15th over the Bay, and these had become more pronounced by the next day, when the fall had extended strongly into the Central Provinces.

From that time onwards the disturbance, which had become sufficiently strong to be classed as a cyclonic storm, passed across India, at first slowly and later more rapidly, in an unusually westerly direction to Sind and the Arabian Sea.

The following is a statement of its history:—

15th.—A slight fall of pressure occurred over the Bay.

16th.—Pressure fell over the Bay, and a similar change affected the Central Provinces, where a large area showed a decrease of pressure of 0·1″. The area of defect covered the whole of the north of the Bay and had its centre off the Arakan coast.

17th.—The fall became intensified over the Bay and more widespread than before; defect of pressure had reached —·15″ over the north Circars coast, and the centre of the depression still lay over the Bay.

18th.—A further fall of ·13″ occurred over Gopalpur and the adjoining sea area, and the defect, which then reached—·29″ at Gopalpur, covered the whole of the Peninsula, the Central Provinces, Central India and the south of Bengal. The centre of the depression crossed the coast during the day.

19th.—On the departure of the storm westward there followed a rise of pressure in the north of the Bay. A slight fall occurred in the area round Raipur and Sambalpur, where the centre was then situate, and pressure was still ·2″ in defect in the west of Orissa. The monsoon rainfall in the Central Provinces from the Bombay current, and in north-east India from the Bay current had materially increased.

20th.—A rise of pressure took place over the north Circars coast and a fall of ·1″ over north Bombay, and in parts of Central India and the United Provinces. The depression was then ·25″ deep in the Central Provinces, and its centre lay over the area between Raipur and Jubbulpore. Heavy rain had been induced in the south of the Central Provinces.

21st.—A general rise was reported over east India, and a corresponding fall over Rajputana, Gujarat and Sind. The greatest depth was ·25″ in the neighbourhood of Saugor and Hoshangabad. Rainfall from the Arabian Sea current appeared in parts of Rajputana and Gujarat.

22nd.—The storm had travelled rapidly from Central India to Gujarat, and had become weaker; large rises of pressure had occurred over Central India and the Central Provinces. The Bombay current had diminished, but had given some rain in lower Sind.

23rd.—The storm had by this morning passed into the Arabian Sea beyond Kurrachee, and a rapid re-adjustment of pressure in Gujarat and Sind occurred during the day.

During passage of this depression westwards through India, a spell of cool weather affected the country on the southern border of its path, and a definite cold wave travelled across the Peninsula, apparently in conjunction with but to the south of the centre of low pressure.

The second depression became noticeable as a slight disturbance at the head of the Bay on the 24th, at which time the cyclonic storm was disappearing in the west. It was more marked by the morning of the 25th and, though still shallow and ill-defined, gave increased rain in Burma. This depression after development to a barometric depth of little more than—·15″ filled up *in situ*. Its effect was to cut off the rainfall from north-east India and to increase that of Burma.

The third depression of the month was first seem on the 30th as a shallow low pressure development in the United Provinces.

Pressure.

10. Atmospheric pressure during June, averaged over India and Burma, showed a mean excess amounting to +·018,″ with tendencies to larger excess in Rajputana and the west of the United Provinces, and to nearly normal values in the south of the Peninsula.

The high pressures contributing to this result occurred almost exclusively during the first-half of the month, the average of barometric readings from the 17th onwards having been considerably lower than during the previous fortnight. The depression which crossed the country between the 17th and the 23rd, and caused defects of as much as —0·25″, did much to reduce the mean monthly pressure in the areas affected by its passage. At Lashio in Burma pressure was below normal, but at other hill stations high mean pressure was general, and, except in Baluchistan where the excess in the hills was small, the departure from normal was approximately the same as

in the plains below. Details are given in the following tables :—

Hill Station.	Departure from normal pressure.	Plain Station.	Departure from normal pressure.	Departure of pressure difference.
	"		"	"
Quetta	+·005	Jacobabad	+·031	+·026
Leh	+·010	Lahore	+·022	+·012
Simla	+·012	Ludhiana	+·013	+·001
Murree	+·004	Peshawar	+·012	+·008
Chakrata	+·028	Roorkee	+·032	+·004
Darjeeling	+·017	Dhubri	+·008	−·009
Mount Abu	+·020	Deesa	+·016	−·004
Pachmarhi	+·018	Khandwa	+·014	−·004
Lashio	−·008	Bhamo	+·033	+·041

Meteorological Province.	Departure from normal of mean 8 h. pressure.
	"
Burma Coast and Bay Islands	+·017
Burma Inland	+·013
Assam	+·007
Bengal and Orissa	+·022
Gangetic Plain and Chota Nagpur	+·018
Upper Sub-Himalayas	+·024
Indus Valley and North-West Rajputana	+·029
East Rajputana, Central India and Gujarat	+·026
Deccan	+·015
West Coast	+·013
South India	+·010

Temperature.

11. Deviations of mean temperature for the month from its normal values were small over the north-west of India and in the Peninsula, in few places exceeding one degree. In Burma an area reaching nearly three degrees excess lay round Hazaribagh and Chaibassa, and in upper Burma mean temperature was between one and two degrees in defect.

In Sind and Rajputana temperature was in greater defect during the day than at night, while further to the north minimum temperature in the Punjab was above normal by one or two degrees, and maximum temperature was low to about the same extent. In Eastern Bengal this condition was reversed, and in upper Burma maximum temperature was between two and three degrees below normal; elsewhere there was little distinction between the respective departures of day and night temperatures.

Of the variations of hot and cold weather the most noticeable were :—

(*a*) a spell of cold weather which prevailed in the north-west from the 12th to the 14th, and caused mean temperatures to be between 6° and 14° low;

(*b*) A cold wave, which affected Madras and passed north-westwards, between the 17th and 23rd, during the passage across the country of the depression from the Bay. This gave a greatest defect of 12° in north Madras.

(*c*) The cold weather which prevailed over the United Provinces and the south-east Punjab from the 25th to the end of the month, with temperatures in some cases 12° below normal.

The two following tables give details of monthly mean temperature :—

Province.	Division.	Actual temperature.					Departure from normal of month of		
		Mean maximum.	Mean minimum.	Monthly mean of mean between maximum and minimum.	Mean daily range of temperature.	Absolute range during month.	Maximum.	Minimum.	Daily range.
		°	°	°	°	°	°	°	°
Burma	Tenasserim	85·4	76·1	80·8	9·3	18·6	0	+0·4	— 0·4
	Lower Burma (Deltaic)	86·3	77·3	81·8	9·1	16·9	+0·2	+0·9	— 0·7
	Central do.	89·8	76·6	83·2	13·3	21·5	−0·5	+0·4	— 0·9
	Upper do.	90·4	76·3	83·4	14·2	24·4	−2·5	−0·5	— 2·0
	Arakan	85·5	78·0	81·8	7·5	18·7	−0·5	−0·1	— 0·4

Province.	Division.	Actual temperature.					Departure from normal of month of		
		Mean maximum.	Mean minimum.	Monthly mean of mean between maximum and minimum.	Mean daily range of temperature.	Absolute range during month.	Maximum.	Minimum.	Daily range.
		°	°	°	°	°	°	°	°
Bengal and Assam.	Eastern Bengal	89·4	77·1	83·3	12·3	23·7	+1·4	—0·2	+ 1·6
	Assam (Surma)	90·3	75·4	82·9	14·9	26·3	+0·9	—0·8	+ 1·7
	Do. (Hills)	74·7	63·2	69·0	11·6	22·2	...	...	...
	Do. (Brahmaputra)	88·9	75·5	82·3	13·4	24·3	+0·8	—0·4	+ 1·2
	Deltaic Bengal	93·2	79·4	86·4	13·8	27·0	+1·7	0	+ 1·7
	Central do.	94·2	78·3	86·3	15·9	32·7	+1·3	—0·3	+ 1·6
	North do.	89·8	76·2	83·0	13·6	26·2	+1·4	—0·3	+ 1·7
	Bengal Hills	63·5	51·8	57·7	11·7	21·0	+0·9	—0·6	+ 1·5
	Orissa	93·9	80·0	87·0	13·9	30·5	+1·2	+0·1	+ 1·1
	Chota Nagpur	98·3	78·9	88·7	19·4	37·1	+3·9	+1·6	+ 2·3
	South Bihar	100·3	81·2	90·8	19·1	35·3	+2·0	+0·8	+ 1·2
	North do.	95·2	78·6	86·9	16·6	33·3	+1·2	—1·1	+ 2·3
United Provinces of Agra and Oudh.	United Provinces (East)	102·5	83·0	92·8	19·5	35·1	+1·6	+0·7	+ 0·9
	South Oudh	101·7	81·6	91·7	20·1	36·5	+1·2	+0·3	+ 0·9
	North do.	99·4	80·8	90·1	18·6	37·2	+2·0	+1·6	+ 0·4
	United Provinces (Central)	102·3	84·5	93·4	17·8	36·3	+0·6	+2·0	— 1·4
	Do. do. (West)	101·0	82·4	91·7	18·6	37·3	—1·5	—0·1	— 1·4
	Do. do. (East Submontane)	98·3	80·3	89·3	18·0	35·6	+1·4	+0·6	+ 0·8
	Do. do. (West Submontane)	100·3	78·5	89·5	21·8	41·6	+0·7	—0·2	+ 0·9
	Do. do. (Hills)	73·7	59·3	66·5	14·5	30·5	—0·5	+0·8	— 1·3
Punjab	Punjab (South-East)	100·9	82·2	91·6	18·7	39·6	—2·3	—1·1	— 1·2
	Do. (South)	103·2	82·4	92·8	20·8	41·7	—1·8	+1·4	— 3·2
	Do. (Central)	105·7	81·4	93·6	24·3	43·2	—1·7	+2·1	— 3·8
	Do. (Submontane)	103·7	79·7	91·7	24·0	41·7	0	+0·5	— 0·5
	Do. (Hills)	73·5	52·2	62·9	21·4	42·8	—3·1	—2·1	— 1·0
	Do. (West)	107·0	84·3	95·7	22·7	42·2	—1·3	+0·9	— 2·2
N.-W. F. Province	North-West Frontier Province	106·0	80·0	93·0	26·1	44·9	—1·0	+0·7	— 1·7
Bombay and Malabar Coast Districts (Madras).	Malabar	85·2	75·1	80·2	10·0	18·7	+0·9	0	+ 0·9
	Madras (South Central)	93·6	74·2	83·9	19·4	31·2	+1·1	+1·3	— 0·2
	Coorg	74·0	63·0	68·5	11·0	25·9	+1·1	—0·3	+ 1·5
	Mysore	85·7	67·8	76·8	17·9	30·2	+1·2	+0·2	+ 1·0
	Konkan	86·7	78·2	82·5	8·5	19·6	+0·4	+0·6	— 0·2
	Bombay Deccan	89·0	71·8	80·4	17·2	31·9	+0·2	+0·3	— 0·1
	Hyderabad (North)	92·4	73·2	82·8	19·2	37·7	...	...	...
	Khandesh	93·0	73·2	83·2	19·8	35·6	+0·4	—0·5	+ 0·9
Central Provinces and Berar.	Berar	96·9	76·7	86·8	20·2	38·7	—0·9	—0·6	— 0·3
	Central Provinces (West)	97·4	78·6	88·0	18·9	39·7	—0·6	—0·2	— 0·4
	Do. do. (Central)	96·9	78·7	87·8	18·2	37·0	+0·1	+0·9	— 0·8
	Do. do. (East)	97·4	79·5	88·4	17·9	36·5	+1·2	+1·0	+ 0·2
Bombay (North)	Gujarat	97·6	80·0	88·8	17·6	33·6	—0·1	—0·3	+ 0·2
	Kathiawar and Cutch	93·7	79·7	86·7	14·0	27·2	—0·8	—0·3	— 0·5
	Sind	103·3	82·6	93·0	20·7	36·6	—0·3	—0·1	— 0·2
	Baluchistan Hills	92·3	61·6	77·0	30·7	53·2	—2·5	+1·3	— 3·8
Rajputana and Central India.	Central India	98·6	80·5	89·6	18·1	36·7	+0·3	+1·5	— 1·2
	Rajputana (East)	101·5	82·3	91·9	19·1	37·7	+0·4	+0·8	— 0·4
	Do. (West)	104·4	83·3	93·8	21·1	38·3	—1·0	—0·3	— 0·7
Madras	East Coast (North)	91·9	79·7	85·8	12·2	33·7	+0·2	—0·8	+ 1·0
	Hyderabad (South)	94·2	75·9	85·1	18·3	36·7	—0·8	+0·6	— 1·4
	Madras (Central)	96·4	77·2	86·8	19·2	36·0	—0·8	—0·5	— 0·3
	East Coast (Central)	98·5	80·5	89·6	18·0	37·9	—1·3	—0·7	— 0·6
	Do. (South)	98·6	79·9	89·3	18·7	31·9	+0·6	+0·9	— 0·3
	Madras (South)	96·0	77·5	85·7	18·4	25·8	+0·8	+0·8	0

METEOROLOGICAL PROVINCE.	DEPARTURE FROM NORMAL OF		
	Mean maximum temperature.	Mean minimum temperature.	Mean temperature.
	°	°	°
Burma Coast and Bay Islands	+0·1	+0·5	+0·3
Burma Inland	−2·2	−0·4	−1·3
Assam	+0·8	−0·5	+0·1
Bengal and Orissa	+1·4	−0·1	+0·7
Gangetic Plain and Chota Nagpur	+2·0	+1·0	+1·5
Upper Sub-Himalayas	−0·4	+0·3	0
Indus Valley and North-West Rajputana.	−0·9	+0·3	−0·3
East Rajputana, Central India and Gujarat.	−0·5	+0·4	0
Deccan	0	+0·4	+0·2
West Coast	+0·6	+0·3	+0·4
South India	+0·3	+0·2	+0·3

Winds.

12. In the Andaman Islands and on the Arakan coast the winds were stronger than usual, while round the head of the Bay of Bengal winds were normal as regards strength and steadiness, and differed little from their usual directions; at Calcutta and Saugor Island there was a slight shift towards an easterly source. In the Peninsula generally directions were inclined to be more westerly than usual, except at sea-level on the coast. At Bombay and Karwar southerly components had increased, and at the former station the velocity was very much below normal. Wind strength in south India was slightly low, and at places in the Deccan varied considerably on both sides of normal values.

Humidity and cloud.

13. Humidity and vapour tension differed less from the normal during the month than in May. Over Cutch, Sind, west Rajputana, the north Punjab and in parts of the Madras coast a marked excess occurred, and in the east Punjab and United Provinces an equal defect; elsewhere conditions were nearly normal.

Cloud amount, also, differed little from its usual value, the chief deviation being noted in Central India and the north of the Central Provinces, where skies were on the average slightly more clouded than is normally the case in June.

Mean conditions for absolute and relative humidity and for cloud follow in the table below:—

METEOROLOGICAL PROVINCE.	MEAN ABSOLUTE HUMIDITY.		MEAN RELATIVE HUMIDITY.		MEAN CLOUD AMOUNT.	
	Average actual.	Departure from normal.	Average actual.	Departure from normal.	Average actual.	Departure from normal.
Burma Coast and Bay Islands.	·927	+·006	88	−2	8·1	−0·2
Bengal and Orissa	·965	−·006	83	−2	7·6	−0·2
Gangetic Plain and Chota Nagpur.	·657	−·082	54	−7	6·0	−0·5
Upper Sub-Himalayas.	·612	−·032	49	−3	3·1	−0·2
Indus Valley and North-West Rajputana.	·762	+·025	53	0	2·9	−0·4
East Rajputana, Central India and Gujarat.	·677	−·019	52	−2	4·7	+0·1
Deccan	·691	+·006	67	+2	7·3	+0·6
West Coast	·893	−·008	83	−2	7·0	−0·2
South India	·708	+·002	71	+1	7·6	+0·1

Rainfall.

14. Rainfall was deficient in lower Burma, Bengal, Assam, a large part of the Punjab plains, Rajputana, Central India and on the west coast, and was above normal elsewhere.

Of positive percentage departures from normal rainfall, the most marked occurred in Hyderabad (Deccan), Sind and the Central Provinces, where the excesses were 77%, 134% and 37%, respectively.

During the first week rainfall occurred chiefly in Burma, Bengal and Assam, and although the weather was wet in the south of the Peninsula there was an absence of the very heavy rain there which would have marked during that week a timely advent of the monsoon. On the 11th, however, rainfall, associated with thunderstorms, was fairly general on the west coast, and on the 12th the monsoon broke on the Konkan coast with less than its usual strength, being then ten days later than its average time. With the beginning of the rains in the Peninsula there occurred a marked falling off of the rainfall in Bengal and Assam, but little occurring there until, with the formation of a cyclonic storm in the Bay and its passage across the east coast during the 18th, the Bay monsoon first appeared in Bengal.

As has been pointed out in section I, the course of the cyclonic storm over India was unusually westerly, and, as a consequence of this, Sind received rain which would

not ordinarily have followed the progression across India in June of a storm from the Bay. Considerable quantities of rain accompanied the duststorms and thunderstorms which occurred in the earlier parts of the month in Central India, Rajputana and the Punjab, and this rainfall formed probably 40 per cent. or 50 per cent. of the total amount recorded during the month in those areas.

During the last week of the month the Bombay branch was active over the Central Provinces, Central India, the United Provinces and the south-east Punjab.

The following table shows the relation between the normal dates of the setting in of the rains, as determined from past records by Sir John Eliot in 1902, and the actual dates recorded for this year:—

AREA.	Actual date of setting in of rains.	Normal date of setting in of rains.	Amount of delay in days.
Bengal	June 18th	June 15th	3
Bihar	„ 19th	„ 15th	4
Chota Nagpur	„ 19th	„ 15th	4
United Provinces (East)	„ 28th	„ 16th	12
Do. (West)	„ 25th	„ 25th	
East Punjab	„ 30th	„ 30th	0
Rajputana	„ 22nd	„ 15th	7
Gujarat	„ 22nd	„ 15th	7
Central India	„ 21st	„ 15th	6
Central Provinces	„ 20th	„ 10th	10
Konkan	„ 12th	„ 5th	7
Malabar	„ 13th	„ 3rd	10

Detailed rainfall information for June is contained in the tables below:—

PROVINCE.	DIVISION.	NUMBER OF RAINY DAYS.		RAINFALL.			
		Actual.	Normal.	Actual.	Normal	Departure from normal.	Percentage departure.
				Inches.	Inches.	Inches.	Per cent.
BURMA	Tenasserim	22·2	25·3	31·21	38·48	−7·27	−19
	Lower Burma (Deltaic)	22·9	22·8	19·26	20·43	−1·17	− 5
	Central do.	20·0	16·5	11·42	10·56	+0·86	+ 8
	Upper do.	13·7	9·4	11·45	6·69	+4·76	+71
	Arakan	23·6	24·1	42·04	40·64	+1·40	+ 3
BENGAL AND ASSAM	Eastern Bengal	15·3	16·2	14·20	17·92	−3·72	−21
	Assam (Surma)	19·1	20·8	19·31	24·33	−5·02	−21
	Do. (Hills)	19·8	21·7	18·29	30·22	−11·93	−39
	Do. (Brahmaputra)	16·3	16·0	14·70	15·31	−0·61	− 4
	Deltaic Bengal	11·6	15·9	7·24	11·06	−3·82	−35
	Central do.	10·3	11·9	6·79	10·37	−3·58	−35
	North do.	16·1	15·7	18·32	20·96	−2·64	−13
	Bengal Hills	17·4	19·5	17·82	21·05	−3·23	−15
	Orissa	10·9	10·5	8·04	9·36	−1·32	−14
	Chota Nagpur	9·3	10·6	6·44	9·22	−2·78	−30
	Bihar (South)	7·5	7·9	6·02	6·98	−0·96	−14
	Do. (North)	9·7	9·1	8·57	8·90	−0·33	− 4
UNITED PROVINCES OF AGRA AND OUDH.	United Provinces (East)	5·4	6·0	4·55	5·04	−0·49	−10
	Oudh (South)	5·2	5·3	5·95	4·87	+1·08	+22
	Do. (North)	6·6	6·3	6·47	5·74	+0·73	+13
	United Provinces (Central)	5·7	5·1	5·63	4·44	+1·19	+27
	Do. do. (West)	6·4	3·6	7·63	2·69	+4·94	+184
	Do. do. (East Submontane)	6·5	7·1	4·37	6·59	−2·22	− 34
	Do. do. (West do.)	7·2	6·1	9·48	5·71	+3·77	+66
	Do. do. (Hills)	9·8	10·5	9·01	8·58	+0·43	+ 5
PUNJAB	Punjab (South-East)	4·3	3·4	2·70	2·45	+0·25	+10
	Do. (South)	2·9	2·6	1·39	1·88	−0·49	−26
	Do. (Central)	2·8	2·4	1·02	1·67	−0·65	−39
	Do. (Submontane)	3·9	3·6	2·12	2·79	−0·67	−24
	Do. (Hills)	6·7	6·8	7·78	5·18	+2·60	+50
	Do. (West)	2·0	1·4	0·94	0·75	+0·19	+25
NORTH-WEST FRONTIER PROVINCE.	North-West Frontier Province	2·1	1·7	1·13	0·98	+0·15	+15

Province.	Rainfall division.	Number of rain days.		Rainfall.			
		Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure.
				Inches.	Inches.	Inches.	Per cent.
Bombay and Malabar Coast Districts (Madras).	Malabar	19·8	21·9	19·22	33·34	−14·12	−42
	Travancore	17·4	...	13·07	...	...	...
	Madras (South Central)	3·7	3·5	1·94	1·81	+0·13	+ 7
	Coorg	15·7	...	12·23	...	...	...
	Mysore	7·7	6·7	4·40	4·22	+0·18	+ 4
	Konkan	18·6	18·6	20·72	26·62	−5·90	−22
	Bombay Deccan	9·4	8·8	5·88	6·01	−0·13	− 2
	Hyderabad (North)	10·0	8·1	10·02	5·61	+4·41	+79
	Khandesh	11·5	8·0	7·49	5·71	+1·78	+31
Central Provinces and Berar.	Berar	12·0	8·2	10·19	5·69	+4·50	+79
	Central Provinces (West)	11·3	8·7	12·52	7·13	+5·39	+76
	Do. (Central)	10·5	9·0	11·64	7·80	+3·84	+49
	Do. (East)	6·7	9·6	5·87	8·83	−2·96	−34
Bombay (North)	Gujarat	9·5	7·0	8·30	6·86	+1·44	+21
	Kathiawar and Cutch	6·6	4·5	5·47	4·22	+1·25	+30
	Sind	1·4	0·6	0·96	0·41	+0·55	+134
	Baluchistan Hills	0·7	0·6	0·26	0·30	−0·04	−13
Rajputana and Central India.	Central India (East)	7·1	7·0	5·92	6·78	−0·86	−13
	Rajputana (East), Central India (West).	4·0	4·2	2·59	3·17	−0·58	−18
	Rajputana (West)	1·4	2·1	0·67	1·39	−0·72	−52
Madras	East Coast (North)	10·6	6·8	9·80	4·81	+4·99	+104
	Hyderabad (South)	9·8	6·8	7·06	4·05	+3·01	+74
	Madras (Central)	6·1	4·6	3·51	2·52	+0·99	+39
	East Coast (Central)	3·4	2·9	1·86	1·50	+0·36	+24
	East Coast (South)	3·2	3·3	1·76	1·84	−0·08	− 4
	Madras (South)	1·9	1·9	0·93	0·90	+0·03	+ 3

Meteorological Province.	Rainfall.			
	Mean actual *a*.	Normal for June *b*.	Departure from normal *c*.	Percentage departure from normal.
	Inches.	Inches.	Inches.	
Burma Coast and Bay Islands	25·62	27·58	−0·66*	− 2
Burma Inland	11·46	6·65	+4·73*	+71
Assam	15·27	16·81	−1·54	− 9
Bengal and Orissa	10·22	13·55	−3·05*	−23
Gangetic Plain and Chota Nagpur	6·39	7·36	−0·97	−13
Upper Sub-Himalayas	5·41	4·25	+1·42*	+33
Indus Valley and North-West Rajputana.	0·70	0·93	−0·23	−25

Meteorological Province.	Rainfall.			
	Mean actual *a*.	Normal for June *b*.	Departure from normal *c*.	Percentage departure from normal.
	Inches.	Inches.	Inches.	
East Rajputana, Central India and Gujarat.	4·73	4·67	+0·11*	+ 2
Deccan	8·74	6·55	+1·97*	+30
West Coast	21·34	27·94	−6·60	−24
South India	3·68	2·71	+1·07*	+39

* A reference to Table I will show that some of the stations contained in the provinces of the above table have not yet had normal values of rainfall assigned to them. For this reason the figures of columns *b* and *c* are based on a smaller number of stations than are those of column *a*, and hence the sum of the figures in columns *b* and *c* will not in general agree with the figures in column *a*.

Snowfall.

I.—North-West Frontier Province.

15. *Kurram.*—There was a slight fall on the Sufed Koh down to a level of about 10,000 feet on the evening of the 11th.

According to telegraphic information received from the North-west Frontier Province there was no snow on the Afghan hills during the month, and temperature there was in consequence unusually high.

II.—Kashmir.

(1) *Kashmir.*—There were nine falls of snow on the higher ranges visible from Sonemarg, and three falls on those above Dras, but the total quantity received was not large. On the 9th snowfall near Gulmarg extended as far down as Killam Marg which is about 9,300 feet above sea-level. The weather in the valley itself was exceptionally dry and warm.

(2) *Leh.*—No snow fell during the month, the latter part of which was intensely hot. Snow was melting fast on the hills surrounding Leh.

III.—PUNJAB.

Chamba.—Snow fell on five days on the Sach pass, and the total fall is estimated to have measured 5¼ feet in depth.

IV.—UNITED PROVINCES.

(1) *Almora.*—There were frequent snow storms on the Nuwe and Binkaru Passes, and occasional storms on the other passes and peaks. The falls were moderately heavy on the Nuwe pass where they were reported as 17¾ feet in total depth. At the end of the month snow lay 25 feet deep on the Nuwe pass and 18 feet deep on the Untadhura, as compared with 15 and 13½ feet respectively on the same date last year.

The statement below, provided by the local authorities, shows the depth of accumulation at the end of the month on the various passes and peaks:—

Milamdhura	7½ feet
Untadhura	18 "
Ralamdhura	13½ "
Nuwe pass	25 "
Lipu Lekh pass	3 "
Lampia pass	3½ "
Binkaru pass	23 "

(2) *Garhwal.*—Slight snow is reported to have fallen on the higher peaks in the northern pargana.

Résumé of the preceding information.

16. There was no wide spread heavy snow fall during the month, and in places the previous accumulations were disappearing fast. The fall on the Nuwe pass in Almora was however, heavy for the time of year, and the accumulation there at the close of the month was unusually deep.

Crop report.

17. *Burma.*—Rainfall was general and heavy during the first and last weeks of the month, and was light in the dry zone and moderate to heavy elsewhere during the second and third weeks. Agricultural operations for wet weather paddy were carried on throughout the province, and the reaping of dry weather paddy was completed in Mandalay, Thayetmyo and Minbu. Crop prospects were good.

Eastern Bengal and Assam.—Weather was seasonable and rainfall general, but more rain was wanted in Bogra, Backerganj and parts of Dacca for transplanting rice, and in Kamrup for tea. Insects caused some damage to standing crops in Backarganj and in parts of Mymensingh, Dacca, Tippera and Sylhet. Prospects of tea were good in Nowgong, Lakhimpur and Cachar and fair elsewhere.

Bengal.—Rainfall was fairly general and light to moderate in amount, except in Puri, Patna, Purnea, Darjeeling and Midnapore where it was heavy. More rain was, however, needed in most districts for agricultural operations. Jute and sugarcane were reported to be doing well, but some injury from insects was sustained by the former crop in the 24 Parganas and by the latter in Sambalpur.

United Provinces.—Rainfall was scanty during the first week, but increased as the month advanced, and during the last week was heavy and well distributed over the whole province, giving the desired impetus to agricultural operations. The sugarcane crop was flourishing, and ploughing and sowing for the autumn crops were pushed forward vigorously.

Punjab.—Rain fell in most districts but more rain was wanted in Hissar and Sialkot. Harvesting of spring crops was nearly complete, and the outturn was good all round, as was also the condition of the standing autumn and extra spring crops, and of opium in Lahore.

North-West Frontier Province.—Rainfall was general over the whole province towards the end of the month, but more rain was wanted everywhere. The condition of standing crops in irrigated areas was good and in unirrigated areas average, while a good outturn was obtained from the harvesting of the spring crops.

Jummoo and Kashmir.—There was rain throughout the month in Jummoo, and during the last week in Kashmir. The condition of the standing crops was fair to good and fodder was sufficient.

Rajputana.—Light rain fell over the greater part of the province but more was wanted in Ajmer-Merwara, Kishengarh and parts of Jaipur. Ploughing and sowing were in progress generally. The condition of cattle was poor in tracts where scarcity prevailed, but prospects of pasturage and water-supply had improved by the end of the month.

Central India.—Rain was insufficient in Bhopawar and parts of Gwalior. Ploughing and sowing were in progress. Agricultural stock was in bad condition and fodder insufficient in Gwalior, Indore and Bundelkhand.

Central Provinces.—Rainfall was heavy during the latter half of the month. Autumn sowings were in rapid progress, and early sown crops had germinated well. Fodder was scarce in parts of Chindwara and Chanda, and was very dear in Wardha and Akola.

Bombay.—At the beginning of the month the water-supply was generally deficient, and fodder scarce; cattle were in poor condition throughout the month. As rainfall increased agricultural operations were commenced, and sowing was in progress generally. Standing crops were in good condition, but were slightly damaged in parts by locusts.

Hyderabad.—Rain was fairly general, except during the first week of the month, and autumn sowings were carried on throughout the province. Fodder was scarce.

Mysore.—Rainfall was insufficient, cattle unhealthy and fodder scarce in several divisions. Sowing and ploughing were in progress, and standing crops were in fair condition.

Coorg.—Ploughing for rice continued. Water and fodder were sufficient.

Madras.—Agricultural operations were in progress in parts, and the standing crops were fair, although in some districts they suffered from want of rain. Harvest outturns were bad to above normal. The condition of cattle was generally good.

J. H. FIELD.

TABLE I.—Abstract of Observations taken at 8 h. at 232 Stations in India, Burma, etc., in June, 1906.

Tab

Abstract of Observations taken at 8 h. at 2

Number of rainfall division.	Station.	Elevation of barometer cistern above sea-level, in feet.	Pressure, 8 h., in inches.								Temperature of air.												
			Mean 8 h. pressure reduced to 32°.	Departure from normal.	Mean 8 h. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 h. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	2
	I.—Burma Coast and Bay Islands.			+·017								86·1	+0·1	76·9	+0·5	81·4	+0·3	9·4					18
1	Car Nicobar . .	25																					
	Slipper Island .	90	29·698		29·721	29·803	10th	29·580	16th	·223	82·2	85·3		78·4		81·9		6·9	89·1	5th	74·1	12th & 22nd.	15
	Port Blair . .	61	29·774	+·017	29·766	29·863	10th	29·672	17th	·191	81·1	85·9	−0·1	77·4	−0·4	81·7	−0·3	8·5	91·1	5th	71·5	22nd	19
	Mergui . .	96	29·793	+·023	29·819	29·862	24th	29·685	22nd	·177	78·6	85·6	−0·1	74·2	+1·1	79·9	+0·5	11·4	91·9	4th & 9th.	71·4	2nd & 15th.	20
	Tavoy . . .	19	29·870	+·025	29·821	29·930	10th	29·784	12th	·136	77·7	84·3	−0·5	75·3	+0·6	79·8	+0·1	9·0	92·0	16th	72·3	15th	19
	Moulmein . .	94	29·736	+·014	29·768	29·821	10th	29·640	12th	·181	78·3	85·3	+0·7	74·8	0	80·1	+0·4	10·5	89·5	3rd & 9th.	71·3	1st	18
2	Rangoon . .	57	29·781	+·019	29·754	29·888	10th	29·682	12th	·206	80·6	86·3	−0·2	77·4	+0·9	81·8	+0·4	8·9	90·1	10th & 28th.	74·4	2nd	15
	Bassein. . .	27?	29·764	+·015	29·728	29·850	10th	29·643	16th	·207	79·7	86·7	+0·4	76·8	+0·5	81·8	+0·5	9·9	92·2	3rd & 4th.	73·9	18th, 22nd & 29th.	17
	Diamond Island .	41	29·748	+·006	29·724	29·854	10th	29·612	16th	·242	82·3	86·0	+0·4	77·6	+1·2	81·8	+0·8	8·4	90·4	5th	72·7	19th	17
5	Akyab . . .	20	29·708	+·007	29·671	29·829	10th	29·594	17th	·235	80·2	85·5	−0·5	78·0	−0·1	81·8	−0·3	7·5	92·9	3rd	74·2	28th	18
3	Toungoo . .	183	29·620	+·029	29·745	29·719	10th	29·531	16th	·188	80·0	89·6	+0·5	76·4	+0·9	83·0	+0·7	13·2	94·4	2nd	74·6	1st, 11th & 12th.	19
	II.—Burma Inland.			+·013								90·4	−2·2	76·3	−0·4	83·4	−1·3	14·0					24
3	Thayetmyo .	121	29·597	P	29·660	29·696	10th	29·501	16th	·195	80·9	90·0	−1·4	76·7	−0·1	83·4	−0·8	13·3	97·0	2nd	73·9	3rd	23
4	Minbu . .	*165*	29·561	−·005	29·670	29·652	10th	29·475	12th	·177	80·3	89·4	−3·6	77·0	−0·8	83·2	−2·2	12·4	98·2	2nd	75·1	8th, 18th & 26th.	23
	Yamethin . .	657	29·696	+·003	29·705	29·788	10th	29·618	12th & 11th.	·170	79·7	89·3	−2·6	75·3	0	82·3	−1·3	14·0	94·3	14th, 15th & 22nd.	71·2	1st	23
	Monywa . .	*280*	29·478		29·697	29·592	7th	29·387	22nd	·205	81·7	91·7		78·7		85·2		13·0	99·6	4th	76·1	4 days	23
	Mandalay . .	250	29·396	+·021	29·694	29·594	8th	29·416	22nd	·178	82·4	92·9	−2·1	78·6	+0·1	85·8	−1·0	14·3	100·1	4th & 22nd.	75·3	9th & 27th.	24
	Myitkyina . .	458	29·251		29·669	29·380	8th	29·166	25th	·214	78·2	90·3		74·3		82·3		16·0	99·7	15th	71·1	9th	28
	Bhamo . .	*381*	29·360	+·033	29·697	29·478	6th	29·251	22nd	·227	78·0	89·0	−1·5	73·8	−1·1	81·4	−1·3	15·2	95·4	15th	72·1	7th & 28th.	23
4(*a*)	Maymyo . .	3,545	26·332		26·277	26·404	8th	26·262	25th	·142	71·3	77·0		67·6		72·3		9·4	81·4	22nd	65·6	12th	15
	Lashio . . .	*2,751*	26·984	−·008	26·930	27·072	8th	26·907	12th	·165	73·0	81·8	−3·7	69·3	0	75·6	−1·9	12·5	87·5	22nd	67·0	6th & 27th.	20
	III.—Assam.			+·007								89·2	+0·8	75·5	−0·5	82·4	+0·1	13·6					24
7	Silchar . . .	104	29·593	+·006	29·650	29·730	7th	29·434	26th	·296	80·3	90·3	+0·9	75·4	−0·8	82·9	+0·1	14·9	97·6	18th	71·3	4th & 6th.	26
9	Sibsagar . .	313	29·359	+·008	29·648	29·489	7th	29·235	26th	·254	79·4	88·3	−1·0	76·9	+0·5	82·6	−0·3	11·4	95·2	17th	73·9	2nd	21
	Dhubri . . .	115	29·541	+·008	29·615	29·696	8th	29·415	26th	·281	79·3	88·2	+2·5	75·1	−1·3	81·7	+0·6	13·1	93·2	1st & 17th.	69·2	5th	24
	Gauhati. . .	195	29·497		29·647	29·651	7th	29·362	26th	·289	79·9	90·6		75·5		83·1		15·1	96·5	17th	71·0	5th	25
	Tezpur . .	252	29·432		29·642	29·578	8th	29·299	26th	·279	79·6	89·5		76·0		82·8		13·5	96·7	17th	71·9	5th	24
	Dibrugarh . .	353	29·336		29·649	29·470	7th	29·202	26th	·268	78·3	88·0		74·2		81·1		13·8	96·2	17th	70·5	5th	25
	IV.—Bengal and Orissa.			+·022								92·1	+1·4	78·1	−0·1	85·1	+0·7	14·0					28
6	Chittagong . .	87	29·599	+·002	29·634	29·728	10th	29·401	26th	·327	80·2	86·7	+0·1	76·5	−0·1	81·6	0	10·2	92·2	1st	72·6	1st	19
	Noakhali . .	43	29·626		29·616	29·750	7th	29·431	26th	·319	81·9	88·0		77·4		82·7		10·6	92·7	1st	70·9	11th	21
	Comilla . .	36	29·644		29·628	29·809	6th	29·467	26th	·342	81·2	90·1		76·5		83·3		13·6	95·3	1st	69·3	6th	26
	Sirajganj . .	49	29·591		29·590	29·740	7th	29·466	26th	·274	81·0	90·0		76·6		83·3		13·4	95·8	1st	69·2	6th	26
	Narayanganj. .	26	29·649	+·035	29·623	29·790	7th	29·495	26th	·295	81·7	90·8	+1·8	77·5	−0·8	84·2	+0·5	13·3	95·6	1st & 16th.	70·8	6th & 7th.	24
	Barisal . .	12	29·651	+·017	29·609	29·791	6th	29·463	26th	·328	83·7	90·0	+1·3	78·2	0	84·1	+0·7	11·8	95·8	1st	74·1	7th & 13th.	21
	Mymensingh .	63	29·619	+·017	29·632	29·776	7th	29·483	26th	·293	81·8	89·6	+2·3	77·2	+0·3	83·4	+1·4	12·4	94·7	16th	70·0	6th	24
	Faridpur . .	46	29·621		29·617	29·769	7th	29·487	26th	·282	81·7	90·2		76·8		83·5		13·4	95·3	1st	70·9	6th	24
16	Jessore . .	33	29·611	+·022	29·591	29·758	7th	29·487	26th	·271	83·8	92·7	+1·2	78·5	−0·3	85·6	+0·5	14·2	98·5	1st	71·7	6th & 11th.	23
	Calcutta .	21	29·609	+·023	29·576	29·742	9th	29·498	18th & 26th.	·245	84·1	93·6	+2·5	79·0	+0·5	86·3	+1·5	14·6	103·0	1st	74·9	7th	28
	Saugor Island .	25	29·603	+·020	29·574	29·767	7th	29·453	18th	·314	85·7	91·9	+1·5	81·2	−0·5	86·5	+0·5	10·7	96·9	2nd	74·6	5th	22

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

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

NOTE 2.—The data from which divisional means of the figur

NOTE 2.—The barometric readings are not reduced to sea-level in the cases of hill or plateau stations the elevations of which exceed 3,200 feet.

I.

Stations in India, Burma, etc., in June, 1906.

Wind Direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	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 h. Mean humidity at 8 h.	Departure from normal.	Mean vapour tension at 8 h.	Departure from normal.	Cloud. Mean cloud amount at 8 h.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 30th June 1906.	Normal rainfall for period, 1st May to 30th June.	Departure from normal of period, 1st May to 30th June 1906.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
														90	0	·927	—·002	7·8	—0·6				25·62	27·58	—0·66					I.—Burma Coast and Bay Islands.
				1	6	17	6		S 43° W	24·2			24·7	91		·997		9·9		13			14·02			19·96				Car Nicobar.
				1	3	13	12	1	S 60° W	11·5	10·0	+15		88	0	·940	—·014	7·6	—0·8	20	23·20	—3·20	28·87	18·65	+10·22	50·77	35·74	+15·03	4·56	Slipper Island.
27				1			1	1	W	1·9	1·9	0	1·7	92	+ 1	·882	—·012	4·9	—2·4	21	24·20	—3·20	28·84	30·29	—1·45	54·73	49·55	+ 5·18	6·64	Port Blair.
28					1	1			S 24° W	1·6				92	0	·873	—·015	5·8	—1·8	26	25·80	+ 0·20	45·11	39·88	+5·23	68·77	65·93	+2·84	6·06	Mergui.
10			2	7	6	3	2		S 12° E	3·3	3·4	— 3	3·7	92	0	·887	—·003	8·8	+0·9	26	26·10	—0·10	29·91	36·38	—6·47	51·24	55·78	—4·54	4·16	Tavoy.
4		1		5	20				S 10° E	5·6	5·3	+ 6	5·1	89	— 4	·931	+·003	8·3	—0·5	24	24·80	—0·80	11·67	17·52	—5·85	27·41	28·74	—1·33	1·07	Moulmein.
6				4	11	6	2	1	S 13° W	6·5*	4·0	+63		93	+ 1	·952	+ ·013	8·2	+0·2	21	24·50	—3·50	15·48	23·42	—7·94	24·02	33·72	—9·70	2·30	Rangoon.
	1			2	4	19	2	2	S 43° W	12·6	8·5	+48	12·6	84	+ 1	·932	+ ·029	7·7	—0·7	14	21·73	—7·73	20·92	23·17	—2·25	43·46	33·00	+9·86	4·02	Bassein.
1		6		8	12	2		1	S 29° E	6·2	3·9	+59	6·0	92	— 1	·957	—·015	7·9	—1·1	12	24·40	—2·40	51·23	44·79	+6·44	57·46	56·67	+0·79	7·84	Diamond Island.
3		1		8	5	13			S 8° W	6·5†	4·8	+35	6·4†	89	— 1	·923	—·003	9·3	+0·4	21	20·80	+0·20	10·22	14·15	—3·93	16·40	20·43	—4·03	1·54	Akyab.
					27				S	7·4	8·2	— 9		86	+3	·881	+·006	7·3	+0·3				11·46	6·65	+4·73					Tourgoo.
				29	1				S 44° E	8·6			10·2	84	+ 1	·892	+·018	7·6	—0·7	15	13·90	+1·10	10·08	6·34	+3·74	14·57	10·47	+4·10	1·50	II.—Burma Inland.
4				17	9				S 30° E	8·1			8·5	85	+ 3	·887	—·003	7·1	+1·4	18	9·10	+8·90	10·60	4·54	+6·26	15·04	10·55	+4·49	1·80	Thayetmyo.
8				5	17				S 10° E	1·9			2·0	84	+ 3	·851	+·001	8·2	+3·0	13	7·40	+5·60	6·99	4·26	+2·73	10·56	11·02	—0·46	2·42	Minbu.
5				9	15	1			S 14° E	5·3			5·4	94		·906		8·0		11	6·82	+4·20	6·94	5·26	+1·68	11·60	8·80	+2·80	1·59	Yamethin.
1		11	15		3				N 78° E	3·6			3·7	80	+5	·884	+·018	5·0	—1·6	14	6·50	+7·50	6·08	5·79	+0·29	9·65	11·34	—1·69	1·12	Monywa.
27	1	1				1			N	9·4			11·0	90		·866		8·9		20			11·94			14·04			1·80	Mandalay.
1				2	7	17	2	1	S 34° W	4·7				92	+ 5	·883	—·003	6·9	—0·7	20	19·10	+0·90	27·39	13·72	+13·67	29·25	20·18	+9·07	5·93	Myitkyina.
5	2	3	1	3	6	6	1	3	S 19° W	4·3				89		·687		8·2		19	11·80	+7·20	12·55	7·20	+5·35	19·01	17·62	+1·39	1·51	Bhamo.
														88	+ 1	·720	—·010	8·3	+0·1	20			17·21	10·70	+6·51	19·22	16·83	+2·39	6·30	Maymyo.
30									Calm	0	3·1	—100	0	89	—1	·898	—·009	7·3	—1·2				15·27	16·81	—1·54					Lashio.
8	1	10		2	1	5		3	N 28° E	2·6	2·6	0	2·4	87	— 2	·903	—·029	6·0	—3·0	16	21·10	—5·10	15·38	21·99	—6·61	33·49	39·23	—5·74	4·17	III.—Assam.
3	2	4	14	2	2	1	1	1	N 85° E	0·5	4·9	—90	0·5	92	0	·921	—·017	7·9	—0·9	18	16·70	+1·30	22·66	13·59	+9·07	35·28	26·21	+9·07	3·71	Silchar.
17	4	1	1		1	3	1	2	N 43° W	1·4			1·6	91	0	·913	+·011	8·4	+0·3	13	18·10	—0·10	18·42	23·17	—4·75	27·27	38·60	—11·33	2·80	Sibsagar.
25		1	3	1					N 21° E	2·3			2·5	87		·889		7·9		16	14·50	+1·50	9·67	11·22	—1·55	26·19	20·98	+5·21	4·14	Dhubri.
27		1	1			1			N	0·4			0·4	88		·893		6·7		16	16·00	0	10·23	11·87	—1·64	15·67	21·99	—6·32	1·73	Gauhati.
														90		·871		7·0		19	18·10	+0·90	15·28	19·03	—3·75	21·76	33·63	—11·87	2·37	Tezpur.
														84	—2	·943	—·009	6·2	—0·7				10·22	13·55	—3·05					Dibrugarh.
4		2	3	16	5				S 47° E	7·2	6·9	+4	6·6	85	— 1	·876	—·046	6·7	—1·1	15	16·74	—1·74	15·29	21·76	—6·47	27·11	32·07	—4·96	3·98	IV.—Bengal and Orissa
7			4	12	5	1	1		S 38° E	6·1			6·6	87		·944		5·9		22	18·39	+3·61	20·84	23·29	—2·45	35·48	33·35	+2·13	4·25	Chittagong.
4	1	2	3	12	7	1			S 41° E	6·1			5·1	87		·932		4·8		18	17·39	+0·61	16·29	17·91	—1·62	26·06	28·92	—2·86	3·22	Noakhali.
12		2	5	3	7		1		S 45° E	4·6			4·6	88		·937		8·0		15	13·32	+1·68	8·78	11·57	—2·79	13·91	19·52	—5·61	1·49	Comilla.
3		2	9	9	1	3	2	1	S 60° E	6·3	7·2	—13	5·3	90	+ 1	·985	+·003	8·0	—0·5	19	15·39	+3·61	11·11	12·64	—1·53	20·82	22·08	—1·26	2·10	Sirajganj.
14		2		5	7			2	S 27° E	3·4			3·0	87	0	1·000	+·016	5·4	—2·7	14	16·52	—2·52	9·09	15·02	—5·93	17·26	24·21	—6·95	2·40	Narayanganj.
5		1	11	10	3				S 65° E	3·8			3·3	86	— 4	·934	—·003	7·7	+0·1	14	18·19	—4·19	10·46	17·34	—6·88	27·89	30·30	—2·41	3·02	Barisal.
1	1	1	4	11	8	3		1	S 32° E	4·9			4·1	89		·968		6·5		12	14·28	—2·28	10·43	12·75	—2·32	18·63	21·05	—2·42	2·54	Mymensingh.
21			2	2	5				S 27° E	1·9	4·9	—61	1·9	87	— 1	1·006	—·003	6·3	—1·6	11	14·55	—3·55	5·66	12·56	—6·90	14·61	20·50	—5·89	1·25	Faridpur.
	1	3	6	6	4	6	2	2	S 32° E	5·7	6·2	— 8		85	0	·989	+·017	7·2	—0·1	9	12·88	—3·88	6·38	11·35	—4·97	10·36	17·03	—6·67	1·99	Jessore.
		1	4	5	11	6	2	1	S 3° E	16·7	14·6	+14		82	— 3	1·012	—·002	8·1	—0·4	13	12·10	+0·90	9·42	10·02	—0·60	12·58	15·11	—2·53	3·23	Calcutta.
																														Sangor Island.

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

Columns Nos. 40, 42 and 44 are derived are incomplete

* Mean of 29 days.

† Mean of 28 days.

Tabl

Abstract of Observations taken at 8 h. at 232 Station

Number of rainfall division.	Station.	Elevation of bar-cistern above sea-level in feet.	Pressure, 8 h., in inches.								Temperature of air.												
			Mean 8 h. pressure reduced to 32°.	Departure from normal.	Mean 8 h. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 h. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
10	Krishnagar	47	29·591		29·586	29·761	7th	29·476	26th	·285	82·7	93·5		78·6		86·1		14·9	103·1	1st	73·5	7th	29·(
	Midnapore	149	29·471		29·565	29·620	7th	29·348	18th	·272	84·1	94·5		79·6		87·1		14·9	104·9	2nd	73·7	7th	31·(
11	Bankura	298	29·302		29·563	29·485	7th	29·211	30th	·274	84·5	96·9		79·5		88·2		17·4	107·1	1st	70·7	7th	36·(
	Raniganj	334	29·293		29·577	29·478	7th	29·191	30th	·287	83·0	96·6		79·0		87·8		17·6	106·0	1st	70·9	7th	35·(
	Burdwan	99	29·532	+·024	29·578	29·718	7th	29·425	26th	·293	83·5	94·8	+1·0	79·1	−0·2	87·0	+0·4	15·7	103·9	1st	73·8	7th	30·(
	Naya Dumka	489	29·187		29·580	29·282	9th	29·034	12th	·248	83·1	95·8		78·8		87·3		17·0	105·5	1st	72·4	4th	33·(
	Berhampore	67	29·573	+·028	29·589	29·758	7th	29·457	30th	·301	82·7	94·1	+1·7	78·1	−0·4	86·2	+0·7	16·0	106·3	1st	71·3	5th	35·(
	Rampur Boalia	70	29·577		29·596	29·758	7th	29·463	30th	·275	82·9	92·4		77·5		85·0		14·9	103·0	1st	70·1	5th & 6th.	32·(
	Malda	72	29·549		29·573	29·710	8th	29·430	30th	·280	82·3	92·0		77·4		84·7		14·6	100·1	1st	70·1	6th	30·(
	Bogra	61	29·584	+·023	29·597	29·757	7th	29·478	26th	·279	81·2	91·0	+1·2	76·9	−0·3	83·9	+0·5	14·1	98·2	1st	69·2	6th	29·(
12	Dinajpur	123	29·529	+·030	29·607	29·665	8th	29·414	30th	·251	80·3	90·6	+1·1	76·4	−1·1	83·5	0	14·2	97·3	1st	69·0	6th	28·(
	Rangpur	123	29·543*		29·621*	29·699	8th	29·434	26th	·260	80·4	89·2		77·0		83·2		12·2	94·1	1st	70·1	5th & 6th.	24·(
	Jalpaiguri	284	29·389	+·020	29·630	29·527	8th	29·282	26th	·245	79·6	89·6	+1·7	75·8	+0·6	82·7	+1·2	13·8	95·4	1st	68 6	5th	26·(
	Cooch Behar	156	29·523		29·634	29·672	8th	29·406	26th	·266	79·8	89·7		75·4		82·6		14·3	96·4	8th	70·6	5th & 13th.	25·(
17	Purnea	125	29·625	+·036	29·615	29·671	8th	29·416	12th	·255	82·0	91·8	?	77·6	+0·3	84·7	?	14·2	99·8	1st	63·6	6th	36·(
14	Balasore	50	29·572	+·016	29·563	29·733	7th	29·387	18th	·346	84·5	93·8	+1·9	78·9	+0·3	86·4	+1·1	14·9	104·5	1st	72·9	28th	31·(
	Angul	455	29·169		29·577	29·824	10th	28·961	18th	·363	85·7	95·1		79·8		89·5		15·3	111·7	2nd	76·0	10th	35·(
	False Point	21	29·622	+·021	29·585	29·773	10th	29·372	18th	·401	84·5	89·9	−0·4	79·5	−0·6	84·7	−0·5	10·4	95·6	24th	72·6	5th & 20th.	2 3(
	Cuttack	80	29·549	+·017	29·571	29·703	10th	29·305	18th	·398	84·9	97·2	+1·7	80·2	+0·1	88·7	+0·9	17·0	112·0	2nd	73·2	16th	38·(
	Puri	24	29·616	+·018	29·578	29·776	10th	29·315	18th	·461	84·9	89·4 99·2	+2·0	81·3 80 5	+1·0	85·3 89·9	+1·5	8·1 18·7	95·0	1st	71·6	10th	23·4 35·4
	V.—Gangetic Plain and Chota Nagpur.																						
15	Hazaribagh	2,007	27·627	+·020	29·554	27·710	7th	27·497	20th	·213	82 5	90·9	+4·4	77·2	+1·4	87·1	+2·9	19·7	106·6	2nd	72·3	27th & 28th.	31·3
	Ranchi	2,128	27·524	+·026	29·572	27·655	7th	27·284	20th	·271	80·9	94·0	+2·9	76·7	+2·1	85·4	+2·5	17·3	104·7	1st	71·4	28th	33·(
	Daltonganj	*730*	28·853		29·528	28·957	8th	28·695	20th	·262	86·3	102·4		81·7		92·1		20·7	112·1	6th	71·0	10th	41·1
	Purulia	*816*	28·800		29 558	28·953	7th	28·703	20th	·250	82·6	97·8		78·9		88·4		18·9	111·7	1st	74·4	3rd, 7th 8th,	37·2
	Chaibassa	*760*	28·843	+·012	29·547	28·972	7th	28·707	20th	·265	83·9	100·6	+4·4	80·1	+1·3	90·4	+2·9	20·5	112·9	1st & 2nd.	73·2	28th	39·7
16	Gaya	375	29·216	+·014	29·538	29·334	8th	29·115	20th	·219	88·3	101·7	+2·1	81·3	+1·1	91·5	+1·6	20·4	112·0	1st & 2nd.	74·3	30th	37·7
	Dehri	351	29·243		29·543	29·347	7th	29·126	17th	·221	87·8	101·7		82·3		92·0		19·4	110·9	1st, 2nd & 4th,	75·0	24th & 26th,	35·9
	Patna	183	29·420	+·017	29·564	29·558	9th	29·319	30th	·239	85·5	98·3	+1·9	80·4	+0·4	89·4	+1·2	17·9	106·5	1st	72·7	25th	31·8
	Arrah	190	29·423		29·564	29·525	7th	29·326	17th	·209	85·6	99·7		81·0		90·4		18·7	109·9	2nd	75·2	25th & 26th.	34·7
	Buxar	239	29·349		29·542	29·463	7th	29·240	20th	·223	85·9	100·2		81·2		90·7		19·0	110·9	2nd	74·6	27th	36·3
17	Bhagalpur	160	29·464		29·575	29·605	8th	29·260	12th	·245	84·3	94·7		78·5		86·6		16·2	105·8	1st	69·6	7th	36·2
	Darbhanga	166	29·464	+·030	29·562	29·616	8th	29·358	12th	·258	81·8	93·6	+1·2	78·1	−1·1	85·9	+0·1	15·5	103·1	1st	72·8	6th	30·3
	Muzaffarpur	178	29·448		29·580	29·585	7th	29·346	17th	·239	83·2	95·8		79·0		87·4		16·8	103·8	1st	75·0	4th	28·8
	Motihari	224	29·395		29·577	29·526	9th	29·296	30th	·230	82·1	96·6		76·0		87·3		18·6	103·9	1st & 2nd.	71·3	4th	32·6
	Chapra	181	29·415		29·549	29·542	9th	29·316	30th	·226	85·2	98·7		80·1		89·4		18·6	107·4	2nd	71·5	25th	35·8
18	Benares	267	29·311	+·014	29·528	29·444	10th	29·192	20th	·252	88·3	101·5	+1·4	82·5	+0·3	92·0	+0·9	19·0	110·6	2nd	76·1	21st & 30th,	34·5
	Allahabad	309	29·260	+·008	29·517	29·439	10th	29·128	20th	·311	89·7	103·5	+1·8	83·5	+1·0	93·5	+1·4	20·0	111·6	5th & 17th.	71·5	10th	40·1
22	Gorakhpur	257	29·344	+·029	29·555	29·410	10th	29·253	30th	·247	85·4	98·3	+1·4	80·3	+0·6	89·3	+1·0	18·0	108·1	2nd	72·5	4th	35·6
19	Lucknow	368	29·206	+·013	29·528	29·342	10th	29·041	30th	·301	86·6	101·7	+1·2	81·6	+0·3	91·7	+0·8	20·1	110·3	15th, 16th & 17th.	73·8	28th	36·5
20	Bahraich	401	29·183	+·005	29·540	29·359	10th	29·049	30th	·310	85·9	99·4	+2·0	80·8	+1·6	90·1	+1·8	18·6	108 2	1st, 15th & 16th.	71·0	10th	37·2
21	Cawnpore	416	29·155	+·015	29·523	29·339	10th	28·987	30th	·352	87·9	101·4	+0·3	83·8	+1·8	92·6	+1·1	17·6	110·4	5th & 17th.	74·7	28th	35·7
	Mainpuri	516	29·071	+·031	29·535	29·175	10th	28·944	21st	·231	89·1	102·8	+1·6	83·7	+2·2	93·3	+1·9	19·1	113·2	17th	74·8	25th, 28th	38·4

* Mean of 25 days.

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

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

NOTE 2.—The data from which divisional means of the figure

I—*continued.*

in India, Burma, etc., in June, 1906—continued.

Wind Direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	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 h. Mean humidity at 8 h.	Departure from normal.	Mean vapour tension at 8 h.	Departure from normal.	Cloud. Mean cloud amount at 8 h.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 30th June 1906.	Normal rainfall for period, 1st May to 30th June.	Departure from normal of period, 1st May to 30th June 1906.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
4	1	3	3	8	7	1	1	2	S 42° E	3·3			3·0	87		·974		5·3		12	12·19	— 0·19	7·78	9·88	— 2·10	14·03	16·43	— 1·80	1·62	Krishnagar.
7		4		7	7	2	1	2	S 24° E	3·1			2·8	81		·933		3·5		11	12·00	— 1·00	8·04	10·51	— 2·47	11·96	16·20	— 4·24	1·90	Midnapore.
14		4	12						N 79° E	4·3			3·8	76		·898		4·0		12	11·89	+ 0·11	7·41	10·32	— 2·91	9·03	14·21	— 5·18	1·21	Bankura.
26			2	2					S 72° E	2·1			1·6	82		·933		5·0		9	12·21	— 3·21	3·66	9·93	— 6·27	5·71	13·70	— 7·99	0·62	Raniganj.
10	1	1	6	1	7	3		1	S 36° E	2·7	4·9	— 45	2·7	84	+ 2	·966	+ ·034	7·2	— 0·3	11	12·71	— 1·71	5·19	9·92	— 4·73	11·27	16·27	— 5·00	0·88	Burdwan.
19			3	5	3				S 45° E	2·1‡			2·3‡	79		·898		4·3		10	12·03	— 2·03	9·02	9·96	— 0·94	9·87	13·56	— 3·69	2·50	Naya Dumka.
3		2	12	5	6	2			S 58° E	4·1	5·5	— 26	5·0	86	— 3	·956	— ·016	7·7	— 0·4	12	12·00	0	6·93	9·54	— 2·61	9·75	14·95	— 5·20	1·30	Berhampore.
25			1	3	1				S 45° E	2·4			2·5	82		·926		5·5		10	12·58	— 2·58	7·62	10·70	— 3·08	10·69	16·24	— 6·15	2·21	Rampur Boalia.
		4	8	10	3	3	1	1	S 57° E	5·2			4·8	83		·924		4·7		9	12·16	— 3·16	7·26	9·89	— 2·63	11·12	13·74	— 2·62	2·91	Malda.
21			7	1		1			S 82° E	1·4			1·2	85	— 3	·911	— ·041	6·9	+ 0·2	12	14·35	— 2·35	6·44	12·90	— 6·46	14·70	20·94	— 6·24	1·72	Bogra.
3	1	7	7	7	1	1	1	2	N 86° E	4·3			4·2	87	— 2	·904	— ·024	7·6	— 0·4	14	13·45	+ 0·55	13·71	13·17	+ 0·54	19·97	21·62	— 1·65	2·15	Dinajpur.
8		5	10	4	2			1	S 86° E	3·4			3·2	87		·905		6·5		14	15·61	— 1·61	11·14	20·01	— 8·87	22·44	30·32	— 7·88	1·70	Rangpur.
20		1	4	3	2				S 67° E	1·3			1·6	88	— 1	·889	— ·018	7·5	+ 2·3	16	18·66	— 2·66	16·05	22·86	— 6·81	20·18	34·90	—14·72	2·11	Jalpaiguri.
9		3	10	3		5			S 70° E	1·9			2·0	87		·891		8·2		21	19·24	+ 1·76	39·49	32·15	+ 7·34	60·01	47·41	+12·60	4·20	Cooch Behar.
6		11	8	5					N 78° E	3·1†	3·3	— 6	2·8†	83	— 3	·912	— ·020	6·3	— 0·5	15	11·50	+ 3·50	10·80	10·02	+ 0·78	15·42	14·79	+ 0·63	3·52	Purnea.
2	1	3		1	7	10	5	1	S 42° W	6·4			4·8	77	— 8	·916	— ·066	5·9	— 2·1	14	11·00	+ 3·00	8·87	11·32	— 2·45	11·30	17·29	— 5·99	1·73	Balasore.
4	1	1	2	8	1	1	8	4	S 45° W					70		·845		4·6		8			2·10			4·20			0·47	Angul.
2			1	2	5	10	9	1	S 47° W	12·2	11·5	+ 6	12·7	83	— 1	·978	— ·018	4·5	— 3·5	9	9·27	— 0·27	6·29	8·30	— 2·01	8·53	13·53	— 5·00	1·80	False Point.
4	2		3		3	5	11	2	S 77° W	4·0	4·0	0		79	+ 1	·951	— ·038	6·6	— 0·4	12	11·26	+ 0·74	7·66	10·82	— 3·16	13·10	15·06	— 1·96	1·91	Cuttack.
6	3	1			1	17	2		S 55° W	15·6			14·7	86		1·032		5·8		7	8·11	— 1·11	7·64	7·99	— 0·35	9·22	10·88	— 1·66	2·55	Puri.
														69	— 7	·827	— ·056	4·7	— 0·7				6·39	7·36	—0·97					V Gangetic Plain and Chota Nagpur.
	2		2	1	7	9	6	3	S 50° W	9·3	8·9	+ 4	8·3	63	— 9	·672	— ·067	6·8	— 0·4	11	11·19	— 0·19	6·77	9·11	— 2·34	7·36	11·44	— 4·08	2·03	Hazaribagh.
	1	3	3	3	3	6	10	1	S 53° W	6·7			7·9	69	— 7	·719	— ·052	5·6	— 0·3	9	12·47	— 3·47	8·17	10·36	— 2·19	9·88	12·44	— 2·56	2·31	Ranchi.
14	1	2	4	2	2	3	1	1	S 56° E	6·8			5·5	64		·796		4·3		7	8·48	— 1·48	5·74	6·10	— 0·36	5·89	7·14	— 1·25	1·76	Daltonganj.
3		4	3	7	5	3	4	1	S 24° E	4·5			4·8	83		·921		5·6		12	12·39	— 0·39	9·35	10·07	— 0·72	11·35	12·99	— 1·64	1·45	Purulia.
18	1	2	1	1	1	4	2		S 45° W	P			P	72	— 4	·829	— ·041	5·0	— 0·8	10	11·29	— 1·29	4·58	9·51	— 4·93	6·05	12·85	— 6·80	1·07	Chaibassa.
14		6		4		3	3		S 63° E	5·0	3·4	+ 47	4·0	66	— 9	·861	— ·055	5·3	0	8	8·32	— 0·32	8·06	7·43	+ 0·63	8·06	8·41	— 0·35	3·58	Gaya.
1	1		8	5	3	9	2	1	S 15° E	7·7			6·8	61		·757		6·0		8	8·06	— 0·06	5·79	6·53	— 0·74	6·01	7·35	— 1·34	2·58	Pehri.
1	2	4	17	3		2	1		N 87° E	8·0	4·2	+ 90	9·0	74	— 3	·908	— ·003	5·7	— 0·1	8	7·81	+ 0·19	5·46	8·54	— 3·08	6·44	10·47	— 4·03	2·32	Patna.
11		9	5	3	1			1	N 73° E	3·1			3·0	70		·856		1·7		8	7·90	+ 0·10	5·89	6·95	— 1·06	6·21	8·42	— 2·21	1·65	Arrah.
1		3	16	4	1	2	3		S 80° E	6·6			6·2	67		·807		4·4		7	8·06	— 1·06	4·95	5·44	— 0·49	4·98	6·26	— 1·28	2·18	Buxar.
9		8	8	4		1			N 83° E	4·5			3·9	79		·928		5·2		13	9·90	+ 3·10	7·66	8·23	— 0·62	10·77	11·07	— 0·30	1·47	Bhagalpur.
15	2	8	5						N 51° E	3·5	3·3	+ 6	3·1	84	+ 2	·913	— ·011	6·1	+ 0·7	9	8·43	+ 0·57	5·48	8·14	— 2·66	7·59	11·21	— 3·62	1·27	Darbhanga.
6			12	11				1	S 70° E	5·6				81		·905		2·9		7	8·06	— 1·06	6·32	7·25	— 0·93	8·43	9·65	— 1·22	2·88	Muzaffarpur.
8	1	6	14	1					N 75° E	5·9			5·2	79		·856		5·0		8	9·39	— 1·39	13·63	8·90	+ 4·73	14·78	11·55	+ 3·23	5·12	Motihari.
7	1	4	14	3	1				N 87° E	3·3			2·9	84		1·009		3·5		6	7·61	— 1·61	6·90	6·40	+ 0·50	7·85	7·75	+ 0·10	4·00	Chapra.
9	2	1	8	2		5	1	2	S 79° E	3·5	5·1	— 31	4·6	65	— 7	·856	+ ·009	4·3	—1·3	7	6·80	+ 0·20	6·28	6·23	+ 0·05	6·28	6·87	— 0·59	1·89	Benares.
2	2	5	5	1	3	2	7	3	N 28° W	6·7	6·9	— 3	5·6	53	—13	·710	— ·115	4·4	—1·4	3	6·20	— 3·20	2·45	6·42	— 3·97	2·90	6·71	— 3·81	1·52	Allahabad.
8	1	9	7	3	2				N 79° E	1·7	3·6	— 53		76	— 3	·910	+ ·004	3·4	—1·5	7	7·70	— 0·70	3·90	9·09	— 5·19	4·78	10·43	— 5·65	1·16	Gorakhpur.
10	1	1	5	9	1			3	S 70° E	3·6	4·2	— 14	3·9	63	— 6	·770	— ·067	4·3	—1·5	5	6·10	— 1·10	5·37	5·71	— 0·34	7·75	6·72	+ 1·03	3·15	Lucknow
5	1		12	9	1			2	S 74° E	5·2			4·9	65	—10	·805	— ·090	5·1	+0·3	7	7·30	— 0·30	6·69	6·53	+ 0·16	7·82	8·48	— 0·66	2·80	Bahraich.
4	2	2	8	1	2	2	6	3	N 25° E	4·7				58	— 7	·731	— ·105	4·3	—1·1	6	5·00	+ 1·00	6·56	4·09	+ 2·47	6·63	4·40	+ 2·23	3·98	Cawnpore.
1	3	2	4	5	2	1	5	7	N 29° W	4·2			4·2	53	—13	·687	— ·134	3·8	—1·1	4	4·60	— 0·60	4·52	4·73	—0·21	4·52	5·16	— 0·64	1·97	Mainpuri.

† he data for that station are not utilised in calculating the provincial departures from normal.
columns Nos. 40, 42 and 44 are derived, are incomplete.

‡Mean of 24 days.

† Mean of 27 days.

Tab

Abstract of Observations taken at 8 h. at 232 Stati

Number of rainfall division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 h. in inches.								Temperature of air.												
			Mean 8 h. pressure reduced to 32°.	Departure from normal.	Mean 8 h. pressure reduced to sea-level and to constant gravity at 45° lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month	Mean of 8 h. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
	VI.—Upper Sub-Himalayas.			+ ·024								102·4	− 0·4	60·2	+ 0·3	91·3	0	22·2					4
24	Bareilly* . .	568	29·037	+ ·047	29·560	29·139	10th	28·922	17th	·217	88·2	106·2	?	62·9	+ 3·1	94·6	?	123·3	110·5	17th	77·1	4th & 10th.	3
	Dehra Dun . .	2,233	27·415	+ ·022	29·570	27·555	10th	27·313	30th	·242	79·8	94·3	+ 1·3	73·8	− 0·6	84·1	+ 0·4	20·5	105·5	17th	57·0	10th	4
	Roorkee . .	899	28·695	+ ·032	29·549	28·853	10th	28·598	17th	·255	85·4	100·4	0	70·9	+ 0·3	85·7	+ 0·2	21·5	110·0	17th	69·2	19th	4
22	Meerut . .	738	28·838	+ ·021	29·531	28·909	10th	28·727	25th	·242	85·7	100·5	− 0·1	70·7	− 0·7	86·1	− 0·4	20·8	110·8	18th	73·3	12th & 30th,	3
26	Delhi . . .	718	28·857	+ ·022	29·527	28·972	10th	28·749	25th	·223	87·5	100·9	− 2·3	62·2	− 1·1	91·6	− 1·7	18·7	111·2	18th	71·6	30th	3
28	Lahore . . .	702	28·842	+ ·022	29·500	28·978	10th	28·661	25th	·317	89·0	105·7	− 1·7	8·4	+ 2·1	93·6	+ 0·2	24·3	112·9	7th	65·7	13th	4
27	Sirsa . . .	662	28·896	+ ·024	29·568	29·046	8th	28·773	29th	·273	91·0	104·9	− 1·8	64·5	+ 1·4	94·7	− 0·2	20·4	111·8	5th	68·1	12th	4
	Patiala . . .	*818*	28·766		29·539	28·917	10th	28·631	25th	·286	86·7	101·4		60·2		90·8		21·2	110·0	17th & 18th.	70·3	13th	3
29	Ludhiana . .	812	28·739	+ ·013	29·507	28·876	10th	28·583	25th	·293	86·8	103·9	− 0·9	81·4	+ 0·7	92·7	− 0·1	22·5	111·9	6th	71·1	13th	4
	Sialkot . . .	830	28·726	+ ·027	29·510	28·870	10th	28·578	29th	·292	89·1	105·9	+ 0·4	81·2	+ 0·7	93·6	+ 0·6	24·7	111·8	6th, 7th & 17th.	71·1	13th	4
	Ambala . .	892	28·680	+ ·015	29·527	28·810	10th	28·585	17th, & 25th	·225	85·7	101·0	− 0·4	79·1	− 1·1	90·1	− 0·8	21·9	111·4	18th	72·7	13th	3
	Rawalpindi . .	1,674	27·910	+ ·018	29·522	28·074	10th	27·718	25th	·356	87·8	105·8	+ 1·0	77·0	+ 1·7	90·4	+ 1·4	26·8	112·5	25th	66·1	13th & 14th.	4
	VII.—Indus Valley and North-West Rajputana.			+ ·029								105·1	− 0·9	82·8	+ 0·3	94·0	− 0·3	22·3					4
32	Peshawar . .	1,110	28·453	+ ·042	29·522	28·631	10th	28·270	26th	·361	89·0	105·4	− 0·5	77·7	+ 0·	91·6	− 0·1	27·7	115·0	25th	68·4	2nd	4
	D. I. Khan . .	590	28·955	+ ·026	29·462	29·117	10th	28·781	26th	·336	90·6	106·6	− 1·4	82·2	+ 1·	94·4	− 0·2	24·4	113·2	25th	70·1	13th	4
31	Khushab . .	612	28·936	+ ·036	29·505	29·099	10th	28·762	28th	·337	91·3	106·7	− 0·4	82·4	0	94·6	− 0·2	24·3	112·8	18th	71·4	13th	4
	Montgomery . .	558	28·985	+ ·040	29·497	29·169	8th	28·812	28th	·357	92·6	106·9	− 3·1	84·3	+ 0·2	95·6	− 1·5	22·6	114·3	5th	67·0	13th	4
	Multan . .	420	29·102	+ ·023	29·477	29·273	8th	28·910	29th	·363	91·4	107·5	− 0·3	86·2	+ 2·5	96·9	+ 1·1	21·3	112·9	5th	75·0	12th	3
47	Jacobabad . .	186	29·344	+ ·031	29·488	29·483	8th	29·172	29th	·311	91·7	111·9	− 0·8	64·4	0	98·2	− 0·4	27·5	117·6	4th	71·2	2nd	4
	Hyderabad . .	96	29·474	+ ·026	29·523	29·626	10th	29·301	22nd	·325	87·7	105·5	− 0·7	61·5	− 0·2	92·5	− 0·5	22·0	112·7	1st	77·0	3rd	3
	Kurrachee . .	30	29·580	+ ·017	29·560	29·726	11th	29·400	22nd	·326	86·3	94·5	+ 0·5	81·9	− 0·2	88·2	+ 0·2	12·6	106·9	2nd	79·2	12th, 23rd & 24th,	2
51	Bikaner . .	771	28·807	+ ·031	29·529	28·936	7th, & 8th.	28·658	21st	·278	90·1	105·8	− 0·7	65·4	+ 0·2	95·6	− 0·3	20·4	112·9	10th	76·0	11th, & 12th.	3
	Pachpadra . .	*380*	29·240	+ ·047	29·570	29·383	11th	28·999	21st	·384	88·6	104·5	− 1·3	82·0	− 0·8	95·2	− 1·1	22·5	113·7	10th	74·5	11th	3
	Jodhpur . .	782	28·845		29·595	28·977	7th	28·618	21st	·359	87·1	102·9		82·5		92·7		20·4	112·2	10th	73·3	11th	3
	VIII.—East Rajputana, Central India and Gujarat.			+ ·026								97·8	− 0·5	81·0	+ 0·4	89·4	0	16·9					3
50	Jaipur . . .	1,431	28·209	+ ·034	29·575	28·335	7th	28·029	21st	·306	88·1	103·4	+ 0·9	61·6	+ 0·5	92·5	+ 0·7	21·8	111·2	9th, & 10th.	70·1	12th	4
	Kotah . . .	819?	28·772		29·572	28·917	10th	28·545	21st	·372	90·8	104·1		66·3		95·2		17·8	112·6	9th	77·1	22nd	3
	Sambhar . .	1,254	28·372	+ ·039	29·567	28·506	7th	28·188	21st	·318	88·1	103·2	+ 0·9	62·3	− 0·1	92·8	+ 0·4	20·9	111·0	10th	70·0	12th	4
	Ajmer . . .	1,611	28·045	+ ·031	29·589	28·167	7th	27·851	21st	·316	86·5	99·9	− 0·6	62·7	+ 1·9	91·3	+ 0·7	17·2	105·9	9th	72·1	11th & 12th.	3
	Udaipur . .	1,925	27·758		29·603	27·892	11th	27·534	21st	·358	84·5	96·7		78·8		87·8		17·9	106·0	10th	72·8	12th	3
46	Bhuj . . .	395	29·256	+ ·023	29·599	29·407	11th	29·045	22nd	·362	85·0	95·9	− 1·7	79·2	− 0·6	87·6	− 1·2	16·7	106·1	9th	69·5	11th	3
	Jamnagar . .	61	29·611		29·617	29·745	11th	29·386	21st	·359	85·0	94·6		78·9		86·7		15·7	106·2	10th	76·2	5th, 7th, & 12th.	3
	Rajkot . . .	429	29·254	+ ·026	29·630	29·399	11th	29·020	21st	·379	84·5	99·0	− 0·8	77·3	− 0·3	88·2	− 0·6	21·7	109·9	9th	73·3	5th & 12th,	3
	Veraval . .	*18*	29·688	+ ·028	29·648	29·805	11th	29·462	21st	·343	83·5	85·9	− 0·5	81·2	+ 0·2	83·6	− 0·2	4·7	87·6	4 days	75·3	12th	1
	Dwarka . .	37?	29·634		29·617	29·756	10th	29·406	22nd	·350	84·7	88·4		81·6		85·0		6·8	91·3	17th, & 21st.	76·2	22nd	1
	Bhavnagar Para .	55	29·647	P	29·646	29·790	11th	29·399	21st	·391	85·4	98·1	− 0·2	79·9	− 0·5	89·0	− 0·4	16·2	106·7	1st	74·0	12th	3
49	Nowgong . .	757	28·838	+ ·012	29·538	28·963	10th	28·638	21st	·325	89·0	101·7	+ 0·1	84·6	+ 2·2	93·2	+ 1·2	17·1	111·5	8th	75·5	26th & 28th,	3
	Indore . .	1,823	27·886	P	29·649	28·050	10th	27·636	21st	·414	80·2	93·7	− 0·7	74·8	− 0·5	84·3	− 0·6	18·9	108·1	9th	68·1	17th	4
	Neemuch . .	1,630	28·048	+ ·023	29·610	28·175	11th	27·812	21st	·363	84·3	97·6	− 0·7	72·6	+ 1·3	88·1	+ 0·3	19·0	107·5	10th	73·7	12th & 22nd.	3

* Mean of 19 days except wind force and rain.

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

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

NOTE 2.—The data from which divisional means of the figure

I—*continued.*

in India, Burma, etc., in June, 1906—continued.

Wind Direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	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 h. Mean humidity at 8 h.	Departure from normal.	Mean vapour tension at 8 h.	Departure from normal.	Cloud. Mean cloud amount at 8 h.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 30th June 1906.	Normal rainfall for period, 1st May to 30th June	Departure from normal of period, 1st May to 30th June 1906.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
														53	— 5	·658	—·046	2·9	—1·0				5·41	4·25	+1·42					VI.—Upper Sub-Himalayas.
4			10				3	2	N 76° E	4·3	4·9	−12	4·1	53	−17	·694	−·130	0·7	−3·7	5	4·91	+0·09	9·07	5·96	+ 3·11	9·29	6·72	+ 2·57	6·38	Bareilly.
30									Calm	2·2	1·6	+38		59	−11	·575	−·103	4·9	−0·1	11	10·00	+1·00	9·80	10·26	− 0·46	9·88	11·95	− 2·07	2·83	Dehra Dun.
7	2	1	2	13				5	N 52° E	4·8	3·9	+23	4·8	54	− 9	·621	−·107	3·8	−0·4	8	6·00	+2·00	17·20	5·31	+11·89	17·51	6 13	+11·38	5·86	Roorkee.
17		3	2		1	1	3	3	N 35° W	1·9	2·6	−27	1·9	55	− 7	·654	−·093	4·2	0	8	4·00	+4·00	8·86	3·49	+ 5·37	8 97	4·09	+ 4·38	3·12	Meerut.
3	2	1	3	9	2	1	3	6	S 45° E	5·7	4·9	+18	5·0	56	0	·688	−·034	4·0	−1·0	7	4·10	+2·90	5·89	3·41	+ 2·48	5·95	4·13	+ 1·82	2·85	Delhi.
9	1	1	3	7	2	1	1	5	S 54° E	3·6	3·5	+ 3		57	+ 5	·785	+·092	2·6	−0·2	3	2·30	+0·70	0·96	2·09	− 1·13	1 13	2 91	− 1·78	0·36	Lahore.
5			3	4	3	4	7	4	S 49° W	3·3	5·2	−37	2·8	46	− 5	·653	−·057	1·0	−3·5	2	3·20	−1·20	1·43	1·79	− 0·36	1·42	2 50	− 1·07	0·92	Sirsa.
	3	1	5	10	6		2	3	S 52° E	7·4			7·5	58		·698		3·8		5			2·51			2·86			1·46	Patiala.
5	1	1		10			4	9	N 68° W	2·7	2·4	+13	2·4	¶ 34	P	·437	P	2·5	−0·8	3	3·50	−0·50	1·31	3·02	− 1·71	1·43	3·63	− 2·20	0·54	Ludhiana.
2	4	6	8	2	1	2	3	2	N 52° E	3·6	2·4	+50	3·1	61	+ 9	·834	+·135	0·8	−1·2	2	3·60	−1·60	0·49	3·08	− 2·59	0 79	4·11	− 3·32	0·27	Sialkot.
8			3	10		2	1	6	S 39° E	3·8			3·4	58	− 9	·681	−·118	3·5	+0·5	7	4·30	+2·70	4·44	6·29	− 1·85	4·46	7·02	− 2·56	1·77	Ambala.
17		6	2	2	1			2	N 63° E	4·0	2·6	+54	3·7	44	− 6	·573	−·047	2·4	−0·4	3	3·30	−0·30	2·90	2·01	+ 0·89	3·37	3·48	− 0·11	1·69	Rawalpindi.
														57	+ 2	·786	+·016	2·1	−0·4				0·70	0·93	−0·23					VII.—Indus Valley and North-West Rajputana
19	5	2	1				1	2	N	2·2	4·9	−55	2·4	44	0	·611	+·018	1·2	−0·7	0	0·90	−0·90	0·09	0·30	− 0·21	0·56	1·05	− 0·49	0·05	Peshawar.
15		8		5					N 75° E	1·7	2·4	−29	1·8	48	− 8?	691	−·106	1·3	−0·1	2	1·30	+0·70	0·94	0·65	+ 0·29	0·94	0·99	− 0·05	0·75	D. I. Khan.†
1	3	14	3	8	3	3		1	N 59° E	10·0			9·6	48	+ 5	·703	+·109	0·5	−1·3	5	1·50	+3·50	1·91	1·72	+ 0·19	1·98	2·50	− 0·52	0·73	Khushab.
1	1	4	1	5	6	9	3		S 9° W	10·5			9·8	38	− 5	·576	−·091	1·2	−0·3	1	2·00	−1·00	0·85	1·14	− 0·29	1·57	1·41	+ 0·16	0·85	Montgomery.
6	1	3	1	8	1	10			S 9° E	3·0	3·8	−21	2·7	51	+ 3	·741	+·039	0·2	−0·5	2	1·10	+0·90	0·63	0·62	+ 0·01	0·63	0·92	− 0·29	0·50	Multan.
3	1	1	6	4	12	1	2		S 26° E	6·2‡	4·7	+32	7·8‡	54	+ 3	·805	+·019	3·0	+1·9	0	0·30	−0·30	0·06	0·09	− 0·03	0·06	0·25	− 0·19	0·03	Jacobabad.
1		1	1		5	19	2	1	S 40° W	14·7	15·2	− 3	13·1	62	+ 1	·815	+·023	2·4	−1·4	1	0·70	+0·30	0·55	0·38	+ 0·17	0·55	0·56	− 0·01	0·47	Hyderabad.
			1	1		6	18	4	S 85° W	16·1	18·5	−13	15·9	77	0	·959	−·012	6·6	+1·4	1	0·50	+0·50	1·34	0·71	+0·63	1·34	0·71	+ 0·63	1·21	Kurrachee.
1	1	1	3	2	5	9	7	1	S 41° W	11·1	7·8	+42		65	+11	·921	+·147	2·1	−0·2	3	2·10	+0·90	0·72	1·70	− 0·98	0·72	2·58	− 1·86	0·34	Bikaner.
1	2	1	1		8	12	4	1	S 42° W	17·1	12·0	+43	16·1	80§	+ 8?	1·0658	+·154?	1·5	−2·5	2	2·50	−0·50	0·47	1·46	− 0·99	0·47	2·12	− 1·65	0·22	Pachpadra.
	1		2		4	18	4	1	S 46° W	10·0§			9·0§	59		·760		3·5		0	2·60	−2·60	0·16	1·49	− 1·33	0·22	1·76	− 1·54	0·08	Jodhpur.
														68	−1	·821	−·010	5·0	+0·1				4·73	4·67	+0·11					VIII.—East Rajputana Central India and Gujarat.
	1	2	4			2	14	7	N 69° W	8·0	7·3	+10		50	− 7	·649	−·069	3·7	−0·5	2	4·40	−2·40	1·12	2·66	− 1·54	1·33	3·15	− 1·82	0·84	Jaipur.
1	4	2	1			10	7	5	N 82° W	6·7			5·4	47		·661		3·7		5	6·20	−1·20	1·09	3·57	− 2·48	1·09	4·68	− 3·59	0·35	Kotah.
1	2	2	2		1		17	5	N 71° W	10·3§	11·2	− 8		53	− 4	·693	−·032	3·6	−0·4	1	3·60	−2·60	0·46	1·58	− 1·12	0·58	2·34	− 1·76	0·28	Sambhar.
		4	1		1	5	10	9	N 74° W	13·5	8·3	+63	11·7	66	+ 5	·752	+·002	3·6	0	3	3·90	−0·90	3·68	2·48	+ 1·20	3·68	3·09	+ 0·59	3·10	Ajmer.
2	1		1	1	2	7	13	3	S 76° W	9·0			7·9	65		·765		4·1		3	5·10	−2·10	2·31			2·31			1·63	Udaipur.
					2	11	11	6	S 77° W	19·3	16·1	+20	16·2	82	+11	·996	+·123	6·0	+1·0	4	2·40	+1·60	4·43	2·03	+ 2·40	4·43	2·12	+ 2·31	2·35	Bhuj.
2	1				2	12	12	1	S 67° W	15·0			14·7	74		·891		4·6		8			6 96			6·96			2 20	Jamnagar.
					2	18	7	3	S 60° W	11·7	15·6	−25	11·6	80	+ 6	·939	+·064	5·4	−0·2	5	5·30	−0·30	1·83	5·12	− 3·29	1·83	5·34	− 3·51	0·66	Rajkot.
			3	3	12	11	1		S 51° W	15·5	10·6	+46	15·5	83	− 1	·950	−·014	4·0	−2·9	2	4·60	−2·60	2·37	5·23	− 2·86	2·37	5·25	− 2·88	2·05	Verava.
1			1	6	16	5	1		S 43° W	19·0				81		·964		5·9		5			4·08			4·08			1·60	Dwarka.
2	1			1	18	4	3		S 60° W	11·5			9·7	70	P	·847	?	6·3	+0·2	7	5·70	+1·30	7·54	5·02	+ 2·52	7·54	5·12	+ 2·42	3·02	Bhavnagar Para.
1	2	3	2	1	1	2	13	5	N 71° W	3·3	4·4	−25	3·3	54	− 7	·689	−·067	6·8	+2·1	5	7·30	−2·30	8·38	8·15	+ 0·23	8·51	8·48	+ 0·03	2·67	Nowgong.
					2	4	18	6	S 89° W	11·1	7·0	+59	9·0	73	+ 1	·751	−·007	7·1	+1·1	9	7·60	+1·40	9·78	6·35	+ 3·43	9·78	6·94	+ 2·84	3·26	Indore.
	3				1	11	14	1	S 77° W	15·5	14·2	+ 9	13·0	59	−11	·679	−·104	4·9	+0·5	2	6·20	−4·20	2·91	4·95	− 2·04	2·91	5·40	−2·49	1·50	Neemuch.

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

¶ Mean of 18 days.

† Wind for 29 days.

‡ Mean of 27 days.

§ Mean of 28 days.

columns Nos. 40, 42 and 44 are derived are incomplete.

Tab

Abstract of Observations taken at 8 h. at 232 Stati

Number of rainfall divisions.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 h., in inches.								Temperature of air.												
			Mean 8 h. pressure reduced to 32°.	Departure from normal.	Mean 8 h. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 h. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
45	Surat	39	29·678	+·018	29·661	29·832	11th	29·437	21st	·395	83·7	91·4	?	79·2	−0·1	85·3	?	12·2	102·2	8th	74·5	11th	2
	Ahmedabad	163	29·523	+·028	29·633	29·664	10th & 11th,	29·259	21st	·405	86·1	100·0	+0·3	80·7	0	90·4	+0·2	19·3	111·3	9th	76·1	2nd, 22nd & 28th,	3
	Deesa	466	29·196	+·016	29·611	29·345	11th	28·949	21st	·396	85·7	101·4	−0·5	80·0	−0·6	90·7	−0·6	21·4	112·8	9th	74·9	16th	3
22	Agra	555	29·032	+·024	29·538	29·136	10th	28·888	21st	·248	89·3	101·4	−2·9	85·0	+0·5	93·2	−1·2	16·4	111·0	7th	73·9	29th & 30th.	3
21	Jhansi	858	28·761	+·030	29·559	28·862	10th	28·557	21st	·305	89·8	102·7	−0·1	86·0	+2·0	94·4	+1·0	16·7	111·8	9th	77·1	30th	3
	IX.—Deccan.			+·015								94·7	0	76·3	+0·4	85·5	+0·2	18·5					3
38	Belgaum	2,539	27·273	+·019	29·746	27·382	10th	27·091	1st	·291	73·1	82·3	+1·5	68·4	+0·3	75·4	+0·9	13·9	92·8	4th	64·8	16th	2
	Sholapur	1,590	28·172	+·007	29·712	28·312	10th	27·962	21st	·330	79·0	94·2	−0·6	74·5	+1·3	84·4	+0·4	19·7	105·7	6th	70·0	15th	3
	Poona	1,846	27·928	+·023	29·719	28·044	10th	27·714	21st	·330	77·4	88·2	−1·0	72·2	−0·4	80·2	−0·7	16·0	98·5	5th & 6th.	69·4	20th	2
	Bijapur	*1,948*	27·838	+·026	29·724	27·944	10th	27·653	21st	·291	77·8	91·3	+0·8	72·0	−0·2	81·7	+0·3	19·3	102·4	1st & 2nd.	67·7	15th	3
40	Malegaon	1,430	28·294	+·019	29·671	28·475	10th	28·076	21st	·399	80·4	94·9	0	74·4	−0·6	84·7	−0·3	20·5	106·3	8th	69·6	19th	3
	Ahmednagar	2,154	27·621	+·028	29·712	27·763	10th	27·412	21st	·351	77·2	91·1	+0·7	72·0	−0·3	81·6	+0·2	19·1	101·9	4 days	67·5	10th & 15th,	3
41	Akola	930	28·744	?	29·616	28·931	10th	28·560	21st	·431	82·6	97·3	−0·9	76·9	−0·8	87·1	−0·9	20·4	109·6	8th & 25th,	70·3	25th,	3
	Amraoti	1,215	28·473	+·020	29·634	28·675	10th	28·249	20th	·426	81·7	96·4	−0·8	76·5	−0·3	86·5	−0·6	19·9	108·4	5th, 6th	70·3	25th	3
42	Khandwa	1,044	28·635	+·014	29·632	28·822	10th	28·371	21st	·451	81·6	96·5	−1·1	77·8	−0·9	87·2	−1·0	18·7	111·7	9th	70·1	19th	4
	Hoshangabad	1,006	28·644	+·003	29·660	28·803	10th	28·370	21st	·433	84·5	98·3	+0·2	79·1	+0·1	88·7	+0·2	19·2	110·2	9th	69·3	21st	4
	Nagpur	1,017	28·629	+·014	29·602	28·838	10th	28·361	20th	·477	83·8	97·0	−1·3	78·8	+0·3	87·9	−0·5	18·2	108·7	8th	72·1	26th	3
43	Chanda	*634*	29·041	+·018	29·615	29·210	10th	28·799	20th	·411	84·3	98·0	−0·5	79·4	−0·2	88·7	−0·4	18·6	111·5	6th	73·0	20th & 27th,	3
	Seoni	2,033	27·636	+·012	29·591	27·811	10th	27·360	20th	·451	81·8	94·4	+0·2	77·1	+1·6	85·8	+0·9	17·3	105·9	2nd	70·0	24th	3
	Jubbulpore	1,327	28·303	+·016	29·571	28·460	10th	28·056	20th	·404	84·4	98·9	+1·5	79·3	+0·9	88·9	+1·2	19·1	109·0	10th & 18th.	72·3	24th	3
	Saugor	1,807	27·837	+·013	29·568	27·961	10th	27·583	21st	·378	84·6	96·8	−1·0	79·0	+1·4	87·9	+0·2	17·8	108·5	9th & 10th.	71·6	11th	3
49	Sutna	1,040	28·595	+·009	29·526	28·659	10th	28·367	20th	·292	89·0	101·3	+2·6	84·0	+2·9	92·7	+2·8	17·3	111·1	8th	74·1	26th	3
44	Raipur	970	28·656	+·005	29·565	28·837	10th	28·389	20th	·448	84·0	97·2	0	79·2	+0·8	88·2	+0·4	18·0	108·8	3rd	71·9	26th	3
	Pendra	2,123?	27·613		29·554	27·760	10th	27·363	20th	·397	82·7	95·2		77·1		86·3		17·8	104·8	17th	69·6	10th	3
	Sambalpur	486	29·131	+·002	29·560	29·282	10th	28·900	19th	·382	86·1	99·7	+2·4	81·9	+1·2	90·8	+1·8	17·8	112·1	1st & 3rd.	74·6	26th & 28th.	3
39	Aurangabad	1,905	27·895		29·684	27·993	10th	27·685	21st	·310	78·8	91·6		72·3		82·1		19·6	103·0	8th	66·2	15th	3
	Indur	1,260	28·471		29·676	28·600	10th	28·304	21st	·296	81·4	94·2		76·0		85·1		18·2	107·3	12th	69·2	18th	3
	Bidar	*2,165*	27·617		29·714	27·771	10th	27·441	20th	·330	78·0	91·2		71·4		81·3		19·8	103·5	2nd	65·3	4th & 17th.	3
53	Gulbarga	1,503	28·251	+·002	29·701	28·361	10th	28·085	21st	·276	78·6	94·2	−0·3	74·2	+0·5	84·3	+0·1	20·0	107·1	2nd	69·8	15th	3
	Raichur	*1,326*?	28·439	+·016	29·713	28·545	10th	28·295	20th	·250	79·3	94·0	−0·7	74·7	−0·1	84·4	−0·4	19·3	105·0	2nd & 4th.	70·1	17th	3
	Hyderabad (Deccan)	1,696	28·055	+·017	29·686	28·200	10th	27·900	20th	·300	79·4	93·0	−1·3	75·8	+1·4	84·4	+0·1	17·2	105·3	4th, 5th & 6th.	69·2	17th	3
	Hanumkonda	871	28·827		29·636	28·994	10th	28·663	18th	·331	83·4	95·6		79·0		87·3		16·6	105·7	4th	70·3	17th & 19th.	3
	X.—West Coast.			+·013								86·0	+0·6	76·9	+0·3	81·5	+0·4	9·2					1
37	Bombay	37	29·719	+·010	29·695	29·850	11th	29·461	21st	·389	82·7	88·1	+0·5	79·2	−0·3	83·7	+0·1	8·9	93·0	5th, 6th & 7th.	75·0	13th	1
	Ratnagiri	110	29·683	+·023	29·729	29·776	11th	29·464	21st	·312	82·0	87·1	+0·5	78·3	+1·1	82·7	+0·8	8·8	93·3	1st, 5th & 6th.	72·9	15th & 17th.	2
	Mormugao	*60*	29·764	+·029	29·758	29·851	11th	29·607	21st	·244	82·3	87·2	+0·2	78·1	+0·2	82·7	+0·2	9·1	94·5	9th	72·4	15th	2
	Goa	199	29·606	0	29·743	29·708	11th	29·439	21st	·269	81·4	85·2	0	78·8	+1·0	82·0	+0·5	6·4	91·0	1st	72·5	15th & 16th,	1
	Karwar	44	29·782	+·016	29·760	29·863	11th	29·639	21st	·224	81·3	86·1	+0·8	76·9	+0·8	81·5	+0·8	9·2	91·3	5 days	72·5	14th, 16th 17th.	1
33	Cochin	10	29·874	+·003	29·812	29·929	28th	29·808	20th	·121	79·2	86·1	+1·1	74·2	−0·5	80·2	+0·3	11·9	90·3	4 days	70·7	16th	1
	Calicut	27	29·844	+·006	29·800	29·911	28th	29·761	20th	·150	79·0	84·9	+0·3	75·2	+0·5	80·1	+0·4	9·7	90·8	2nd	71·7	14th	1
	Mangalore	65	29·797	+·014	29·795	29·871	14th	29·708	20th	·163	79·5	85·1	+0·1	75·7	+0·7	80·4	+0·4	9·4	90·7	1st & 4th	70·0	16th	2
	Trivandrum	198	29·690	+·016	29·821	29·759	28th	29·629	1st & 17th.	·130	77·6	84·5	+1·6	75·4	−0·8	80·0	+0·4	9·1	88·5	1st	73·0	27th & 30th.	1

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

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

NOTE 2.—The data from which divisional means of the figure colum

I—*continued.*

in India, Burma, etc., in June 1906—continued.

Wind Direction. Number of winds from Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	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 h. Mean humidity at 8 h.	Departure from normal.	Mean vapour tension at 8 h.	Departure from normal.	Cloud. Mean cloud amount at 8 h.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 30th June 1906.	Normal rainfall for period, 1st May to 30th June.	Departure from normal of period, 1st May to 30th June 1906.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
2	2			2	9	7	7	1	S 42° W	9·5	15·6	−39	8·9	83	+ 4	·969	+·042	6·2	−0·7	11	8·70	+ 2·30	9·15	9·62	- 0·47	9·15	9·75	— 0·60	1·36	Surat.
				1		14	12	3	S 70° W	7·1			6·1	70	— 2	·867	−·009	7·2	+1·0	10	4·80	+ 5·20	10·39	6·76	+ 3·63	10·39	6·77	+ 3·62	2·96	Ahmedabad.
		1			5	14	9	1	S 55° W	15·7*	16·8	− 7		68	0	·819	−·001	5·4	−0·5	6	2·18	+ 3·82	1·84	2·27	— 0·43	1·84	2·52	— 0·68	0·74	Deesa.
3		3		3		15		1	S 11° W	6·8	5·7	+19	8·0	54	— 3	·708	−·056	4·0	+0·2	6	3·90	+ 2·10	5·74	2·90	+ 2·84	5·78	3·46	+ 2·32	1·67	Agra.
3	1	3	2	1	1	7	5	7	N 82° W	7·2	5·8	+24	8·8	73	P	1 016	P	3·4	−0·1	7	5·80	+ 1·20	5·75	6·06	— 0·31	5·93	6·47	— 0·54	1·73	Jhansi.
														68	— 2	·707	—·028	6·5	+0·3				8·74	6·55	+1·97					IX.—Deccan.
3				1		9	14	3	S 78° W	19·5†	24·3	−20		84	— 3	·685	—·010	8·0	−0·2	11	14·00	- 3·00	5·93	8·44	- 2·51	9·71	10·93	— 1·22	1·20	Belgaum.
						11	10	9	S 87° W	15·4	12·2	+26	15·2	70	+ 4	·684	+·014	7·1	+0·4	7	6·20	+ 0·80	4·12	4·36	- 0·24	4·95	5·36	- 0·41	1·50	Sholapur.
2						9	19		S 76° W	15·0	16·0	− 6		74	+ 1	·692	−·014	6·8	−0·5	10	8·50	+ 1·50	9·82	4·73	+ 5·09	99·0	6·06	+ 3·84	3·82	Poona.
		1			1	12	15	1	S 71° W	13·2			14·4	77	0	·732	+·011	4·6	−2·4	8	6·20	+ 1·80	4·71	3·55	+ 1·16	5 81	5·34	+ 0·47	1·35	Bijapur.
	1		1			6	15	7	N 86° W	10·6	11·9	−11	12·1	71	0	·738	−·019	3·3	−2·9	9	7·70	+ 1·30	4·59	4·44	+ 0·15	4·59	5·17	— 0·58	1·50	Malegaon.
	2			1		7	5	15	N 71° W	9·4			11·5	73	— 5?	·682	−·053	3·1	−3·4	10	7·40	+ 2·60	7·55	5·14	+ 2·41	7·55	6·02	+ 1·53	2·09	Ahmednagar.
	1				1	4	13	11	S 65° W	11·2	8·9	+21	9·9	73	+ 5	·795	+·037	7·7	+1·5	12	8·10	+ 3·90	6·95	5·20	+ 1·75	6·97	5·63	+ 1·34	1·48	Akola.
1						11	13	5	S 80° W	10·6	7·4	+43	9·5	67	— 4	·695	—·059	6·6	+0·6	11	9·00	+ 2·00	10·87	6·82	+ 4·05	11·45	7·45	+ 4·00	3·29	Amraoti.
1						3	13	13	N 74° W	10·8	9·2	+17	10·8	69	+ 1	·719	−·030	6·0	+0·5	10	7·50	+ 2·50	9·23	5·81	+ 3·42	9·23	6·16	+ 3·07	3·32	Khandwa.
2						17	9	2	S 65° W	6·2	4·6	+35	6·3	64	— 7	·736	−·072	7·4	+1·4	11	8·20	+ 2·80	7·15	6·78	+ 0·37	7·46	7·33	+ 0·13	2·34	Hoshang-abad.
1	1			2	6	8	9	3	S 57° W	9·5	10·0	— 5	7·5	64	0	·739	−·013	6·6	0	13	9·70	+ 3·30	18·47	8·52	+ 9·95	19·61	9·24	+10·37	5·32	Nagpur.
7				1		8	10	4	S 78° W	8·3	6·3	+32	7·4	64	0	·722	−·019	6·5	−0·1	16	9·40	+ 6·60	14·11	7·68	+ 6·43	14·15	8·42	+ 5·73	6·35	Chanda.
6		1			3	6	6	8	S 87° W	9·5	5·7	+67	8·0	64	— 3	·665	—·041	6·8	+1·7	12	12·30	— 0·30	11·33	9·95	+ 1·38	11·99	10·63	+ 1·36	2·32	Seoni.
	2	1		1	3	7	10	6	S 84° W	5·7	5·3	+ 8	5·0	59	— 6	·670	—·052	6·7	+1·5	8	10·40	— 2·40	11·08	9·50	+ 1·58	11·13	10·05	+ 1·08	4·66	Jubbulpore.
	1	2		1		9	14	3	S 83° W	10·1	5·2	+ 94	9·0	60	— 5	·674	—·033	5·4	+0·4	10	8·90	+ 1·10	5·15	8·79	— 3·64	5·25	9·29	— 4·04	1·15	Saugor.
2		2	3	2	4	5	10	2	S 56° W	5·3	9·6	−45	4·9	55	— 5?	·687	—·027	8·6	+4·0	7	7·20	— 0·20	6·89	7·32	— 0·43	6·91	7·70	— 0·76	3·61	Sutna.
2		1			2	22	2	1	S 47° W	9·9	8·7	+14	11·9	65	— 3	·711	—·051	6·6	+0·2	7	10·40	— 3·40	7·16	8·88	— 1·72	7·40	9·82	— 2·42	2·82	Raipur.
8	1	3	1	1	5	4	2	5	S 66° W	5·7			4·8	62		·671		6·9		11			13·02			13·06			3·25	Pendra.
			2	1	5	19	3		S 36° W	6·2	3·4	+82	6·1	63	−11	·763	—·096	6·5	−0·1	10	10·40	— 0·40	7·51	11·35	— 3·84	7·53	12·97	— 5·44	1·98	Sambalpur.
1	1					7	15	6	N 89° W	15·2			15·0	71		·693		6·7		8	8·10	— 0·10	6·74	6·25	+ 0·49	6·74	6·99	— 0·25	1·72	Aurangabad.
2		1						27	N 42° W	5·4			4·5	66		·691		6·4		13	8·90	+ 4·10	12·23	4·65	+ 7·58	12·58	5·04	+ 7·54	3·07	Indur.
	1	2			4	10	7	6	S 77° W	8·3			7·0	79		·750		5·5		10	7·80	+ 2·20	9·68	5·74	+ 3·94	10·15	6·74	+ 3·41	1·96	Bidar.
1	3				1		20	5	N 76° W	11·8			10·4	77	+ 1	·752	+·011	7·0	+0·7	10	7·40	+ 2·60	9·16	5·71	+ 3·45	9·94	6·87	+ 3·07	3·00	Gulbarga.
1						6	23		S 82° W	20·3			19·3	69	— 1	·688	−·030	7·1	+0·7	11	6·20	+ 4·80	6·04	3·12	+ 2·92	6·98	3·84	+ 3·14	1·30	Raichur.
3						1	25	1	W	7·4			7·2	70	— 1	·679	−·034	7·9	+1·7	10			7·42	4·57	+ 3·05	8·26	5·36	+ 2·90	2·38	Hyderabad (Deccan).
1		1	1	2	3	5	12	5	S 77° W	12·0*			10·6*	61		·671		7·0		12	6·70	+ 5·30	9·89			9·96			3·32	Hanumkonda
														84	— 2	·877	—·009	8·1	+0·2				21·34	27·94	—6·60					X.—West Coast.
	9	1		4	3	8	9	1	S 63° W	11·0	16·2	−32		83	0	·930	+·001	8·4	+0·5	16	14·70	+ 1·30	12·91	19·63	— 6·72	12·91	20·34	— 7·43	3·44	Bombay.
3	2		2	4	1	7	5	6	S 75° W	10·7	12·0	−11	10·6	83	0	·898	−·003	8·3	+0·7	16	20·50	— 4·50	24·61	30·20	— 5·59	24·70	31·65	— 6·95	6·58	Ratnagiri.
1	6	11			3	4	2	3	N 5° E	9·4				84	— 1	·927	−·008	8·4	+1·6	16			26·69	23·63	+ 3·06	27·14	26·20	+ 0·94	4·60	Mormugao.
	4	2	5	2	1	7	5	4	N 80° W	9·5				82	— 3	·875	−·035	8·2	+0·1	19			27·02	28·72	— 1·70	28·25	31·05	— 2·80	5·23	Goa.
2	4			3		13	5	3	S 70° W	6·2				83	0	·888	+·021	6·6	−1·4	20	23·30	— 3·30	26·44	35·98	— 9·54	26·53	39·26	—12·73	3·02	Karwar.
4	1	3	11	6	3		1	1	S 77° E	5·3				83	— 4	·839	—·023	7·3	−0·3	21	24·20	— 3·20	18·56	28·99	—10·43	26·58	41·38	—14·80	1·96	Cochin.
7	3	6	3	3	3		1	4	N 48° E	7·0			7·0	86	— 2	·855	−·003	8·3	+0·2	21	24·30	— 3·30	16·53	35·61	—19·08	21·56	43·39	— 21·83	2·48	Calicut.
2	1	4	8	2	3	2	6	2	S 80° E	6·0	3·7	+62		86	— 3	·862	—·011	8·7	−0·1	19	24·60	— 5·60	28·71	36·22	— 7·51	31·84	42·88	—11·04	4·28	Mangalore.
7	13						1	9	N 17° E	5·4				86	— 1	·816	—·024	8·7	+0·6	17	16·50	+ 0·50	10·59	12·45	— 1·86	23·87	21·50	+ 2·37	1·84	Trivandrum.

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

Nos. 40, 42, and 44 are derived are incomplete.

* Mean of 29 days.

† Mean of 27.

Tab

Abstract of Observations taken at 8 h. at 232 Statio

Number of rainfall division.	Station.	Elevation of bar-cistern above sea-level in feet.	Pressure, 8 h., in inches.								Temperature of Air.												
			Mean 8 h. pressure reduced to 32°.	Departure from normal.	Mean 8 h. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure during month.	Date.	Total range of pressure during month.	Mean of 8 h. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	2
	XI.—South India.			+·010								93·4	+0·3	76·7	+0·2	85·6	+0·3	16·8					32
57	Pamban . .	37	29·782	+·004	29·746	29·845	10th	29·712	17th	·133	84·2	90·5	+0·8	80·9	+0·6	85·7	+0·7	9·6	92·3	4 days	79·7	15th & 24th.	
	Tinnevelly .	168	29·671	+·016	29·767	29·741	27th	29·625	17th	·116													
	Madura . .	417	29·374	+·018	29·754	29·443	10th	29·301	17th	·142	84·3	99·0	+0·8	78·0	+0·9	88·5	+0·9	21·0	106·0	2nd	72·0	12th & 13th.	31
	Periyakulam .	944	28·876		29·756	28·939	10th	28·800	17th	·139	81·1	95·1		73·7		82·9		21·4	100·2	1st & 11th	69·5	1st	30
34	Salem . .	940	28·900	0	29·780	28·976	10th	28·808	18th	·168	80·7	96·6	+1·4	76·0	+1·8	86·3	+1·6	20·6	104·2	1st & 2nd	70·4	15th	33
	Coimbatore .	1,348	28·476	+·001	29·770	28·554	11th	28·385	20th	·169	78·3	90·6	+0·7	72·4	+0·8	81·5	+0·8	18·2	97·4	13th	68·8	22nd	28
35	Mercara . .	3,781	26·173	+·015	26·106	26·245	11th	26·084	20th	·161	66·4	74·0	+1·1	63·0	−0·3	68·5	+0·4	11·0	85·0	8th	58·1	17th	27
36	Chitaldroog .	2,405	27·427	+·021	29·766	27·525	10th	27·295	20th	·230	74·1	86·6	+0·8	69·6	+0·1	78·1	+0·5	17·0	95·6	4th	62·9	6th	32
	Bangalore .	3,021	26·852	+·002	29·782	26·948	10th	26·738	18th	·210	72·2	85·9	+1·2	67·2	+0·4	76·6	+0·8	18·7	94·3	2nd	64·3	15th	30
	Hassan . .	3,091	26·803	+·017	29·796	26·887	10th	26·690	20th	·197	72·9	84·0	?	66·1	+0·1	75·1	?	17·9	93·1	2nd	63·7	19th	29
	Mysore . .	2,518	27·356	+·011	29·807	27·441	11th	27·259	13th	·182	73·9	86·3	+1·7	68·3	+0·1	77·3	+0·9	18·0	94·5	2nd	66·0	15th	28
56	Negapatam .	31	29·763	−·004	29·722	29·837	10th	29·682	17th	·155	84·6	98·5	+1·4	80·1	+0·9	89·3	+1·2	18·4	106·9	1st	75·0	16th	31
	Cuddalore .	37	29·744	+·004	29·711	29·835	10th	29·626	18th	·209	85·3	98·6	+0·4	80·7	+1·3	89·7	+0·9	17·9	105·2	1st & 4th.	75·7	13th	28
	Trichinopoly .	255	29·552	+·001	29·738	29·635	10th	29·461	18th	·174	85·7	100·6	+1·6	79·5	+1·1	90·1	+1·4	21·1	108·2	1st & 2nd	75·9	4th	33
	Pudukkottai .	318	29·497		29·745	29·571	10th	29·423	18th	·148	84·9	99·0		79·3		89·2		19·7	103·8	2nd	70·3	13th	33
	Madras . .	22	29·748	+·002	29·700	29·857	10th	29·607	18th	·250	86·5	97·5	−1·0	80·9	+0·2	89·2	−0·4	16·6	107·0	1st	76·0	14th	31
	Vellore . .	707	29·069		29·711	29·156	10th	28·924	18th	·232	84·4	97·5		78·9		88·2		18·6	106·9	2nd	73·6	15th	33
55	Nellore . .	52	29·698	+·020	29·682	29·808	10th	29·547	17th	·261	87·4	100·7	−1·1	81·0	−1·2	90·9	−1·2	19·7	110·8	4th	76·1	15th	34
	Masulipatam .	15	29·715	+·024	29·665	29·847	10th	29·574	18th	·273	84·9	96·3	−1·4	80·0	−0·2	88·2	−0·8	16·3	113·2	3rd	72·1	17th	41
54	Cuddapah .	433	29·341	+·009	29·709	29·452	10th	29·205	18th	·247	85·6	99·2	−1·1	79·7	−0·9	89·5	−1·0	19·5	109·3	4th	72·2	12th	37
	Kurnool .	923	28·844	+·012	29·708	28·952	10th	28·702	20th	·250	81·4	95·6	−1·1	76·7	−0·2	86·2	−0·7	18·9	106·8	4th	73·1	14th & 17th.	38
	Bellary . .	1,475	28·309	+·010	29·729	28·413	11th	28·170	20th	·243	79·3	94·4	−0·1	75·2	−0·5	84·8	−0·3	19·2	105·0	2nd	69·7	6th	36
52	Cocanada .	26	29·678	+·012	29·640	29·823	10th	29·471	18th	·352	83·7	94·9	−0·3	79·6	−1·4	87·3	−0·9	15·8	114·0	1st	73·5	18th	40
	Waltair (Vizag.)	*226*	29·449	+·020	29·615	29·583	10th	29·218	18th	·365	83·2	90·9	?	79·0	?	85·0	?	11·9	111·4	1st	71·9	16th & 30th.	38
	Gopalpur .	72	29·560	+·005	29·572	29·722	10th	29·253	18th	·469	84·4	89·9	+0·7	80·4	−0·2	85·2	+0·3	9·5	96·2	1st	75·0	16th	27
	XII.—Hill Stations.																						
48	Pishin . .											93·5		63·0		78·3		30·5	101·4	27th	48·1	2nd & 3rd.	53
	Quetta . .	5,502	24·485	+·005	24·445	24·613	10th	24·364	26th	·249	75·9	89·5	− 1·1	60·3	+1·2	74·9	+0·1	29·2	97·1	27th	46·4	2nd	50
	Kalat . .										75·0	89·5	− 2·7	52·4	+3·4	70·9	+0·4	37·1	98·2	21st	38·7	3rd	55
	Chaman .	4,311	25·494	+·006	25·456	25·622	10th	25·369	25th	·253	83·6	96·6	− 3·6	70·8	−0·8	83·7	−2·2	25·8	104·2	24th, 25th & 26th.	55·1	1st	43
30	Leh . .	11,503	19·690	+·010	19·658	19·775	7th	19·573	29th	·202	53·5	69·4	− 3·7	43·4	−1·2	56·4	−2·5	26·0	84·7	26th	31·4	6th	50
	Srinagar .	5,204	24·754	+·023	24·725	24·940	10th	24·558	29th	·382	66·9	80·3	− 2·8	59·1	+0·3	69·7	−1·3	21·2	93·8	25th	50·7	3rd	43
	Gulmarg .	8,569	21·816		21·784	21·933	9th	21·673	30th	·260	56·9	64·5		44·2		54·4		20·3	76·6	24th	35·7	3rd	44
	Sonemarg .	*8,764*	21·739		21·707	21·845	7th	21·623	29th	·222	50·5	66·6		40·8		53·7		25·8	78·4	25th & 26th.	32·6	3rd	41
	Skardu .	*7,505*	22·764		22·734	22·895	14th	22·592	29th	·303	65·5	75·5†		54·8		64·9†		20·7†	98·9	29th	44·2	14th	54
	Dras . .	*10,059*	20·769		20·737	20·869	7th	20·641	29th	·228	57·0	72·9		41·9		57·4		31·0	87·5	26th	34·6	3rd	50
	Gilgit . .	4,890	24·975		24·948	25·127	5th	24·737	29th	·390	74·7	90·0	− 4·6	66·2	−3·8	78·1	−4·2	23·8	105·2	4 days	56·7	5th & 9th.	49
32	Chitral . .	*5,486*									73·4	90·2		61·0		75·7		29·2	105·0	29th	53·0	5 days	50
	Killa Drosh .	4,700?									72·7	89·5							103·2	25th & 26th.			
	Para Chinar .	6,000	24·299		24·266	24·427	10th	24·123	30th	·304	73·8	85·6		62·1		73·9		23·5	96·3	26th	52·6	1st	43
	Cherat . .	*4,256*	25·494	−·014	25·462	25·595	7th	25·386	30th	·209	79·3	93·1	− 1·2	72·5	−0·6	82·8	−0·9	20·6	102·9	25th	61·0	13th	41

N. B.—Elevations in italics indicate barometrical determinations. † Mean of 28 days. Note 1.—When a query is inserted against any reading or in the retur
" 2.—The data from which divisional means of the figure colum

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

I—*continued.*

in India, Burma, etc., in June 1906—continued.

WIND DIRECTION. Number of winds from										WIND VELOCITY.				HYGROMETRY, 8 H.				CLOUD.		RAINFALL.									STATION.
Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction	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 h.	Departure from normal.	Mean vapour tension at 8 h.	Departure from normal.	Mean cloud amount at 8 h.	Departure from normal.	Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 30th June 1906.	Normal rainfall for period, 1st May to 30th June.	Departure from normal of period, 1st May to 30th June 1906.	Heaviest rainfall during month.	
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
														71	0	·769	0	6·9	−0·1				3·68	2·71	+ 1·07					XI.—South India.
7					6	12	5		S 43° W	14·6			15·5	78		·909		3·6		0	0·50	− 0·50	0·04	0·12	− 0·08	0·99	0·67	+ 0·32	0·03	Pamban.
2	1	2				7	12	6	N 85° W	8·8			8·4					6·6	+0·1	1	1·20	− 0·20	0·21	0·56	− 0·35	0·37	1·93	− 1·56	0·15	Tinnevelly.
3	2					3	11	11	N 70° W	7·3	4·8	+ 52	8·4	64	0	·756	−·007	7·6	+2·2	4	2·50	+ 1·50	3·41	1·25	+ 2·16	3·89	3·90	− 0·01	1·57	Madura.
20	1	1	1	1			3	3	N 45° W	4·3			4·7	63		·663		6·4		0	2·50	− 2·50	0·10	1·05	− 0·95	8·31	3·78	+ 4·53	0·05	Periyakulam.
5					1	18	5	1	S 55° W	6·6	4·9	+ 35	5·8	78	+ 4	·820	+·039	6·0	0	8	4·80	+ 3·20	4·69	2·97	+ 1·72	8·20	7·98	+ 0·22	1·80	Salem.
1			1		6	14	7	1	S 48° W	11·0	7·7	+ 43	10·1	74	− 7	·726	−·038	5·6	−0·3	1	4·90	− 3·90	0·26	1·65	− 1·39	2·14	3·93	− 1·79	0·15	Coimbatore.
2	1				4	4	15	4	S 82° W	5·1	9·0	− 43	4·7	93	0	·605	−·003	8·6	−0·4	16	24·80	− 8·80	18·17	27·35	− 9·18	21·99	33·13	−11·14	3·87	Mercara.
1	1					7	14	7	N 88° W	11·1			9·7	78	− 4	·664	−·011	7·9	−0·7	7	6·00	+ 1·00	5·12	3·80	+ 1·32	6·35	7·54	− 1·19	2·09	Chitaldroog.
						14	14	2	S 71° W	12·0	8·4	+ 43	10·7	81	0	·644	+·004	7·5	+0·6	8	5·70	+ 2·30	3·82	3·05	+ 0·77	5·18	7·27	− 2·09	1·05	Bangalore.
	1				2	12	11	4	S 72° W	5·0			4·4	79	− 4	·635	−·005	7·8	−0·9	6	10·40	− 4·40	1·46	5·01	− 3·55	4·67	10·18	− 6·11	0·31	Hassan.
					1	16	12	1	S 61° W	12·2			13·2	76	− 4	·630	−·027	8·7	+0·6	7	6·00	+ 1·00	1·93	3·81	− 1·88	6·37	7·18	− 0·81	0·73	Mysore.
1						14	14	1	S 69° W	10·5	8·3	+ 27	10·0	65	+ 1	·779	−·011	4·6	−0·2	2	3·20	− 1·20	2·20	1·50	+ 0·70	2·28	3·11	− 0·83	1·41	Negapatam.
7					5	15	3		S 41° W	4·5			5·6	61	− 8	·778	−·104?	5·1	−0·3	4	3·10	+ 0·90	1·43	2·00	− 0·57	1·43	2·28	− 0·85	0·61	Cuddalore.
7					1	14	8		N 58° W	7·8	9·2	− 15		62	− 1	·756	+·024	6·0	0	2	1·90	+ 0·10	2·42	1·50	+ 0·92	3·25	4·44	− 1·19	1·55	Trichinopoly.
1	3				1	4	2	19	N 54° W	9·0			10·6	62		·741		7·9		2			1·50			3·69			1·13	Pudukkottai.
			1	6	8	15			S 58° W	8·2	9·0	− 9		68	+ 5	·862	+·061	6·0	−0·2	3	8·10	− 5·10	2·40	2·21	+ 0·19	2·90	3·11	− 0·71	1·43	Madras.
3		1	9	12	1	1	4	4	S 41° E	4·0			4·0	62		·729		5·0		6	4·60	+ 1·40	2·63	2·62	+ 0·01	3·61	5·64	− 2·03	1·36	Vellore.
1					3	3	11	12	N 81° W	9·7				55	− 7	·709	−·113	7·2	+0·6	1	3·00	− 2·00	0·83	1·20	− 0·37	1·19	1·59	− 0·40	0·65	Nellore.
10				1	2	3	4	10	N 80° W	11·7	9·4	+ 24	10·3	87	+10	1·047	+·097	8·3	+1·7	10	6·00	+ 4·00	9·52	4·83	+ 4·69	9·52	6·10	+ 3·42	3·15	Masulipatam.
		1				1	18	10	N 74° W					59	− 2	·718	−·040	7·1	+0·7	6	4·60	+ 1·40	6·59	3·35	+ 3·24	6·59	5·15	+ 1·44	4·16	Cuddapah.
1						8	9	12	N 83° W	11·9				73	+ 7	·774	+·048	7·1	+0·7	8	5·90	+ 2·10	4·10	3·36	+ 0·74	4·42	4·31	+ 0·11	1·01	Kurnool.
2	1					5	15	7	N 84° W	10·9	10·5	+ 4	9·6	65	+ 4	·646	+·006	7·5	−0·1	8	4·20	+ 3·80	5·18	1·78	+ 3·40	6·00	3·76	+ 2·24	1·75	Bellary.
5						15	9	1	S 64° W	7·0			5·9	81	+9	·935	+·069	7·0	0	13	6·20	+ 6·80	11·61	4·76	+ 6·85	11·61	5·69	+ 5·92	2·62	Cocanada.
1					2	16	11		S 59° W	14·8			12·0	74	0	·629	−·060	8·3	+0·9	9	5·70	+ 3·30	11·95	3·83	+ 8·12	12·06	6·30	+ 5·76	5·70	Waltair (Vizag.).
2	2		1	1	3	19	1	1	S 43° W	15·9	11·6	+ 37	15·6	80	− 4	·926	−·037	5·2	−2·0	8	7·10	+ 0·90	4·96	6·14	−1·18	5·59	8·24	− 2·65	1·35	Gopalpur
																														XII.—Hill Stations.
																				0	0·20	−0·20	0	0·03	−0·03	0·05	0·22	− 0·17	0	Pishin.
21			3	4		2			S 1° E	2·0	4·7	− 57	2·1	45	− 4	·419	−·036	2·3	+1·7	0	0·80	− 0·80	0·06	0·19	− 0·13	0·18	0·59	− 0·41	0·02	Quetta.
	5		3		18		4		S 4° W					45		·398				1	0·50	+ 0·50	0·56	0·46	+ 0·10	0·56	0·72	− 0·16	0·46	Kalat.
7	2	3	9	5	2	1		1	S 84° E	8·0			8·8	44	+15	·528	+·166	0·5	0	0	0·10	− 0·10	0	0·09	− 0·09	0	0·14	− 0·14	0	Chaman.
27					2	1			S 15° W	3·3				43	+ 1	·181	−·003	4·4	+0·8	2	0·60	+ 1·40	0·28	0·17	+0·11	0·32	0·39	− 0·07	0·16	Leh.
8	2	2		5	6	2	2	1	S 5° E	3·6			3·3	82	+ 1	·556	−·018	4·2	+1·0	4	3·80	+ 0·20	1·70	1·79	− 0·09	4·51	4·39	+ 0·12	0·81	Srinagar.
7	4	10	2	2	1	2	1	1	N 43° E	3·5			4·0	82		·394		3·8		11			4·31			5·37*			0·05	Gulmarg.
13	3	8	2	1		1	2		N 35° E	3·1			2·8	76		·287		4·3		10			3·24			9·25			0·56	Sonemarg.
22		2	1				1	3	1	N 60° W	6·1			6·2	45		·277		3·2		1	1·10	− 0·10	0·13	0·40	− 0·27	3·94	1·44	+ 2·50	0·13	Skardu
27				1		1		1	S 45° W	6·4			5·1	56		·261		3·1		2	1·70	+ 0·30	0·43	0·71	− 0·28	4·35	3·53	+ 0·82	0·21	Dras.
29								1	N 45° W	2·3			2·0	46	+ 8	·390	+·035	3·5	+0·7	1	0·80	+ 0·20	0·22	0·35	− 0·13	3·21	0·92	+ 2·29	0·16	Gilgit.
27									N 45° E	4·9			4·3	77		·669		0·9		0			0·08			3·25			0·08	Chitral.
		3																												
	1	3	5	1	1		12	4	N 60° W					51		·408		1·5		3			1·19			4·96			0·59	Killa Drosh.‡
30									Calm	3·5			3·2	52		·440		3·5		7	3·40	+3·60	2·83	1·43	+ 1·40	6·57	3·45	+ 3·12	1·2	Para Chinar.
8	11			1	6		1	3	N 21° W	9·0			8·7	47	− 4	·475	−·028	2·1	−0·6	1			0·14	0·73	−0·59	0·58	1·94	− 1·36	0·14	Cherat.

If any station, the data for that station are not utilised in calculating the provincial departures from normal.
Nos. 40, 42 and 44 are derived are incomplete.

* Since 23rd May 1906. ‡ Wind observations for 27 days.

Table

Abstract of Observations taken at 8 h. at 232 Station

Number of rainfall division.	Station.	Elevation of barometer above sea-level, in feet.	Pressure, 8 h., in inches.								Temperature of Air.											
			Mean 8 h. pressure reduced to 32°.	Departure from normal.	Mean 8 h. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 h. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
29	Murree	6,333	23·736	+·004	23·704	23·851	10th	23·595	29th	·256	70·4	79·2	−2·5	59·7	−4·8	69·5	−3·7	19·5	86·5	25th	45·9	13th	40
	Kailang	*10,087*	20·938		20·893	20·999	6th	20·885	29th	·114	53·9	68·7	−3·1	42·4	−3·0	55·6	−3·1	26·3	81·5	26th	31·6	4th	49
	Poo											71·1		53·5		62·3		17·6	81·8	25rd	43·5	2nd	38
	Simla	7,224	23·017	+·012	22·979	23·120	10th	22·890	29th	·230	65·0	72·4	−2·0	60·9	−0·1	66·7	−1·1	11·5	81·0	17th	52·4	13th	28
	Sarain		23·105			23·171	7th	22·954	30th	·217	65·2	73·4		55·4		64·4		18·0	81·7	17th	48·0	3rd	33
	Kalabagh		20·088			20·186	8th	19·994	30th	·192	50·3	55·5		47·0		51·3		8·5	60·2	16th	40·1	3rd	20
	Chakrata	7,022	23·200	+·028	23·160	23·308	7th	23·090	30th	·218	65·7	73·8	−0·5	60·8	+0·8	67·3	+0·2	13·0	82·3	15th & 17th.	54·0	10th	28
25	Muktesar	7,600	22·725		22·683	22·818	10th	22·612	30th	·206	63·0	73·6		57·7		65·7		15·9	81·7	15th & 17th.	49·0	3rd	32
13	Yatung	10,480										60·8		47·9		54·4		12·9	65·6	14th	45·2	2nd	22
	Darjeeling	7,376	12·942	+·017	22·897	23·021	8th	22·843	12th	·178	60·3	66·1	+0·9	55·6	−0·6	60·9	+0·2	10·5	71·2	17th	51·6	4th	19
8	Shillong	4,920	25·015		24·967	25·125	8th	24·902	26th	·223	67·3	75·9		62·3		69·2		13·6	79·6	16th	57·0	5th, 6th & 7th.	22
	Cherra Poonjee	4,309	25·560		25·510	25·675	7th	25·428	26th	·247	68·0	73·6		64·0		68·8		9·6	78·7	16th	57·0	5th	21
50	Mount Abu	3,945	25·880	+·020	25·830	26·011	10th	25·669	21st	·342	72·6	81·9	−1·4	68·3	+0·2	75·1	−0·6	13·6	92·2	10th & 11th.	64·3	25th	27
42	Pachmarhi	3,528	26·272	+·018	26·219	26·446	10th	26·018	21st	·428	74·9	87·9	+2·0	71·6	−0·4	79·8	+0·8	16·3	99·7	9th & 10th.	65·2	26th	34
34	Ootacamund	*7,322*	22·987		22·923	23·051	11th	22·859	20th	·152	58·0	64·4		51·7		58·1		12·7	72·5	2nd	45·7	27th	26
57	Kodaikanal	7,688	22·787		22·722	22·856	10th	22·710	17th	·146	58·9	65·9		53·8		58·6		12·1	74·6	2nd	50·8	21st	23
	XIII.—Extra India.																						
	Trincomalee	12	29·816	P	29·754	29·890	11th	29·738	17th	·152	81·5	92·3	+0·7	78·7	+0·3	85·5	+0·5	13·6	95·0	4 days	74·0	10th & 11th.	21
	Colombo	10	29·853	−·007	29·819	29·892	10th & 28th.	29·795	17th	·097	81·1	86·6	+0·9	78·2	+0·7	82·4	+0·8	8·4	88·0	6 days	73·5	22nd	14
	Meshed	3,104	27·103*			27·250	1st, 3rd 5th.	26·850	19th	·400	80·2	84·8		64·0	+0·6	74·4		20·8	95·6	20th	56·8	2nd & 3rd.	38
	Teherant	*4,002*	25·579‡			25·710	15th	25·500	3 days	·210	80·6	95·8§	0	67·1	−0·9	81·9§	−0·5	28·7	103·6	29th	56·7	9th	46
	Ispahan	*5,817*	24·195‡			24·330	2nd	24·050	30th	·280	73·6	92·0	−2·4	62·5	+0·6	77·3	−0·9	29·5	100·0	29th	50·9	4th	49
	Bushire	14	29·569	−·005	29·542	29·777	2nd	29·413	30th	·364	84·2	89·5	−2·4	79·8	−0·7	84·7	−1·6	9·7	97·5	19th	74·0	10th	23
	Bahrein‖	18	29·652		29·622	29·817	2nd	29·536	24th	·281	90·1¶	92·9¶		83·4¶		88·0¶		9·5	96·9	16th	76·6	9th	20
	Jask	13	29·582	+·015	29·552	29·726	11th	29·391	30th	·335	87·4	93·3	−2·5	82·7	−0·4	88·0	−1·5	10·6	99·3	26th & 27th.	76·7	4th	22
	Muscat‖	20	29·564	+·011	29·531	29·701	2nd	29·395	23rd	·306	89·6	95·1	+1·3	86·6	−1·5	90·9	−0·1	8·5	106·0	3rd	83·0	12th & 13th.	23
	Baghdad	220	29·571	−·008	29·761	29·810	2nd	29·340	30th	·500	86·0	106·0	+4·2	76·6	+1·1	91·3	+2·7	29·4	112·4	28th	70·9	18th	41
	Busrah	25	29·610			29·841	2nd‡	29·445	27th	·396		95·4		79·7		87·6		15·7	101·2	17th	71·7	29th	29
	Aden	99	29·658	+·011	29·681	29·808	16th	29·553	7th & 27th.	·255	90·1	95·4	+0·7	86·3	+2·6	90·9	+1·7	9·1	98·8	28th	76·3	23rd	22
	Perim‖	201	29·550	+·013	29·682	29·604	1st	29·508	28th	·096	88·9	96·4	+1·2	85·0	+2·3	90·7	+1·8	11·4	101·3	22nd	83·1	1st & 7th.	18
	Kabul		24·155		24·124	24·256	2nd & 7th.	24·048	12th	·208	74·4	88·1	−1·2	56·9?	−1·8?	72·5?	−1·5?	31·2?	99·6	26th	44·9	3rd	54
	Kashgar	4,255	25·419*			25·680	2nd	25·260	18th & 26th.	·420	74·1	87·4	+0·4	63·3	−0·1	75·2	+0·2	24·1	102·5	23rd	55·5	1st & 2nd.	47
	Amini Divi	*13*	29·852	+·018	29·793	29·928	11th	29·753	21st	·175	83·8	88·8	+2·7	78·1	+0·1	83·5	+1·4	10·7	96·0	2nd	72·8	14th	23
	Minicoy	7	29·883		29·816	29·955	2nd	29·803	7th	·152	82·1	86·6	+1·1						89·4	2nd			
	Zanzibar	72	30·052	−·025	30·051	30·114	28th	29·974	9th	·140	75·3	81·0	−0·4	74·0	−0·2	79·5	−0·3	7·0	83·8	10th	71·9	5th	11
	Do. Dunga‡‡	*154*	29·964		30·048	30·023	15th	29·882	4th	·141	74·1	81·9		70·7		76·3		11·2	84·3	10th	68·0	1st	16
	Penang (a)	20	29·918		29·862	29·940	10th	29·901	22nd	·039	83·2	89·4		74·9		82·2		14·5	92·0	8th, 9th & 26th.	71·0	27th	21
	Singapore (a)	10	29·937		29·868	29·946	27th	29·905	1st	·061	82·9	87·2		75·1		81·2		12·1	93·6	1st	71·9	14th	21

NOTE 1.—When a query is inserted against any reading or in the returns of a
„ 2.—The data from which divisional means of the figure columns Nos. 4

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

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

(a) 9 h. observations.
* Aneroid corrected.
† Observations of 19 days.
¶ Mean of 28 days.
‖ Observation of 29 days.
‡ Aneroid uncorrected.
§ Mean of 17 days.
‡‡ Observation of 23 days.

I—*concluded.*

in India, Burma, etc., in June 1906—concluded.

Wind Direction. Number of winds from Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	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 h. Mean humidity at 8 h.	Departure from normal.	Mean vapour tension at 8 h.	Departure from normal.	Cloud. Mean cloud amount at 8 h.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 30th June 1906.	Normal rainfall for period, 1st May to 30th June.	Departure from normal of period, 1st May to 30th June 1906.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
24	2	1		1	2				E	5·9	6·6	− 11	6·4	57	+ 5	·429	+·046	2·7	−0·8	6	8·00	−2·00	3·17	3·52	− 0·35	5·48	6·49	− 1·01	2·15	Murree.
	1		2	1	1	16	6	3	S 60° W	1·5				63		·267		3·2						1·34			3·92			Kallang.
26							3	1	N 76° W									4·2		0			0·02	0·27	− 0·25	0·67	0·98	− 0·31	0·02	Poo.
6	11	3		2	6			2	N 16° E	3·8	2·3	+65	3·6	61	− 5	·367	−·035	4·5	−0·5	8	9·80	−1·80	16·67	7·85	+ 8·82	17·29	10·91	+ 6·38	4·81	Simla.
21		2	1			5	1		S 45° W	1·3			1·3	58		·352		5·8		11			18·20			19·45 §§			4·75	Sarain.
3	13		1	4	2		4	3	N 11° W	13·6			11·8	70		·260		6·1		13			21·82			21·82			6·52	Kalabagh.
13	4			5	8				S 25° E	6·6	5·7	+16	7·9	63	− 8	·386	−·051	4·4	+0·4	10	10·60	−0·60	11·36	8·77	+ 2·59	12·54	11·20	+ 1·34	2·74	Chakrata.
6	1	1	1	5	2		14		S 66° W	8·4			7·8	69		·392		6·2		8			6·84			7·47			1·78	Muktesar.
																				16	17·00	−1·00	5·95	7·17	− 1·22	9·85	12·05	− 2·20	1·08	Yatung.
6	2	4	1	2	1	5	6	3	S 81° W	4·9	3·0	+63	4·5	91	− 4	·481	−·017	8·0	−0·6	21	20·81	+0·19	20·40	23·77	− 3·37	30·39	32·55	− 2·16	4·03	Darjeeling.
26					1	3			S 34° W	2·5			2·8	82		·548		7·6		18	20·40	−2·40	9·16	15·87	− 6·71	20·21	26·02	− 5·81	2·65	Shillong.
10		9	2	2	1	5	5	1	S 52° W	6·0			5·3	88		·603		8·0		22	24·70	−2·70	50·23	101·56	−51·33	73·49	151·49	−78·00	7·69	Charra Poonjee.
	1			2	2	20	2		S 47° W	12·8	10·1	+27	12·9	71	− 2	·549	−·022	5·4	+0·1	13	6·70	+6·30	7·39	6·21	+ 1·18	7·39	7·20	+ 0·19	1·76	Mount Abu
						6	17	7	N 88° W	11·5	7·7	+49	11·8	73†	+ 1	·956†	+·335	6·6	+0·1	12	11·00	+1·00	19·91	10·92	+ 8·99	20·39	11·42	+ 8·97	4·88	Pachmarhi.
4	1		2	1	1	6	10	5	S 86° W	7·0			6·6	63		·302		8·4		12	13·30	−1·30	6·12	6·18	− 0·06	9·06	12·11	− 3·05	1·11	Ootacamund.
		1		2	3	3	9	12	N 81° W	14·9				75		·370		7·4		10	8·50	+1·50	2·06	4·01	− 1·95	6·16	10·48	− 4·32	0·44	Kodaikanal.
																														XIII.—Extra India.
						30			S 45° W	13·2				79	+ 3	·848	−·028	2·7	−0·8	3			0·55	1·51	− 0·96	3·13	3·97	− 0·84	0·23	Trincomalee.
		1	2	3	19	5			S 42° W	9·6	10·2	− 6		84	+ 3	·893	+·012	7·3	+0·1	9			3·67	8·23	− 4·56	11·46	19·35	− 7·89	0·58	Colombo.
														48		·489		0·8		1			0·35			3·59			0·20	Meshed.
10	3				2	3	1		S 72° W	2·48				75		·795		0		2			0·61	0·04	+ 0·57	1·45	0·37	+ 1·08	0·38	Teheran.
24	2	1					3		N 34° W	1·8				47		·394		0		0			0	0	0	1·08	0·11	+ 0·97	0	Ispahan.
	1	2		1	2	3	8	13	N 69° W	13·4	10·8	+24	14·7	75	+ 13	·878	+·093	0·1	−0·1	0			0	0	0	0·03	0	+ 0·03	0	Bushire.
	7				1	5	16		N 43° W	8·0 **			6·8 **	66 ¶		·934		0		0			0			0·05			0	Bahrein.
4		1	4	19	1	1			S 51° E	13·0			12·5	75	+ 8	·995	+·058	4·0	+2·9	0			0·07	0·11	− 0·04	0·07	0·11	−0·04	0·07	Jask.
4	2	1	1	6	1		1	3	S 81° E	4·3			4·5	78	+ 11	1·086	+·138	4·8	+3·3	1			0·24	0·36	− 0·12	0·24	0·36	−0·12	0·24	Muscat.
9	8						1	12	N 30° W	7·0	5·3	+32	9·3	27	− 13	·336	−·153	0·1	0	0			0	0	0	0·03	0·24	−0·21	0	Baghdad.
	30								N											0			0			0·63			0	Basrah.
1			5	6		10	5	3	S 29° W	12·9	7·6	+83	11·3	70	− 2	·989	+·051	3·3	+0·3	0			0	0·01	− 0·01	0	0·20	−0·20	0	Aden.
	2		7			1	15	4	N 72° W					71		·972		2·4		0			0	0	0	0	0·37	−0·37	0	Perim.
	3	6	5			1	8	7	N 18° W					44		·384		0·5	+0·1	1			0·18	0·21	− 0·03	1·22	0·75	+0·47	0·11	Kabul.
5							5		N 37° W	4·1			3·7	52		·473		1·2		1			0·25	0·31	− 0·06	0·55	1·19	−0·64	0·25	Kashgar.
3	2	2				6	9	8	N 74° W					82		·951		8·0		17			20·33	13·14	+ 7·19	20·94	17·24	+3·70	5·22	Amini Divi.
		1				13	11	5	S 78° W	13·6			14·6	85	+ 2	·934	+·043	7·3	+0·6	21			18·30	8·60	+ 9·70	26·68	15·00	+11·68	4·22	Minicoy.
					11	18	1		S 30° W	8·1			7·6	88		·770		4·8		5			5·55	1·07	+ 4·48	20·79	11·69	+ 9·10	2·65	Zanzibar
					2	11			S 39° W	6·3 ¶¶			6·1 ¶¶	94		·788		6·3		5			2·13			19·12			0·86	Do. Dunga.
	4	2	6	2	15			1	S 39° E	9·0								1·0		10			8·07			21·15			2·21	Penang.
	1	1	1	13	7	6		1	S 18° E	4·8								5·6		11			12·95			18·66			2·45	Singapore.

tion, the data for that station are not utilized in calculating the provincial departures from normal.
and 44 are derived are incomplete.

** Mean of 26 days.
¶¶ " " 18 "
†Mean of 28 days.
§§ Total rainfall since 1st June 1906.

Table II.—Abstract of Observations recorded at 10 h. and 16 h. at 62 Stations in India, Burma, etc., in June 1906.

Tab

Abstract of Observations recorded at 10 h. and 16 h. at

Meteorological Province.	Station.	Elevation of barometer cistern above sea-level, in feet.	Pressure.						Temperature of Air.										Temperature, Wet-bu			
			Mean of 10 h.	Mean of 16 h.	Mean daily range.	Mean of daily mean pressures.	Departure from normal.	Mean reduced to S. L. and gravity 45° Lat.	Mean maximum.	Mean minimum.	Mean daily range.	Highest maximum.	Lowest minimum.	Absolute range.	Mean 10 h.	Mean 16 h.	Mean of daily means.	Departure from normal.	Mean minimum.	Mean 10 h.	Mean 16 h.	Mean of three
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	2
Burma Coast and Bay Islands.	Port Blair	61	29·786	29·705	·081	29·750	+·017	29·741	85·8	77·4	8·4	91·0	71·4	19·6	83·5	83·8	80·4	− 0·3	75·7	79·3	79·1	78
	Rangoon	57	·786	·701	·085	·749	+·038	·743	86·5	77·3	9·2	90·4	74·5	15·9	83·6	82·5	79·9	+ 0·4	75·9	79·0	78·3	77
	Diamond Island	41	·756	·679	·077	·722	0	·697	86·0	77·6	8·4	90·2	72·7	17·5	85·7	83·2	81·9	+ 0·8	74·8	79·3	78·8	77
	Akyab	20	·723	·643	·080	·687	+·010	·650	85·2	77·9	7·3	92·9	74·2	18·7	81·8	82·7	81·7	− 0·5		79·4	79·5	
Bengal and Orissa.	Chittagong	87	·609	·512	·097	·563	−·001	·597	86·7	76·2	10·5	91·0	72·4	18·6	82·7	83·5	81·4	− 0·1	74·9	78·3	78·8	77
	Calcutta (Alipore)	21	·616	·515	·101	572	+·023	·538	93·2	79·1	14·1	100·2	73·7	25·5	88·0	89·2	85·9	+ 1·4	76·4	81·5	81·2	79
	Saugor Island	25	·611	·516‡	·095	·571	+·018	·539‡	91·6	81·4	10·2	96·9	74·6	22·3	88·1	88·9	85·4	+ 0·4	77·8	82·6	82·8	81
	Paise Point	21	·627	·529	·098	·585	+·013	·547	89·6	79·6	10·0	95·6	72·6	23·0	87·6	87·2	83·6	− 0·5	77·2	81·3	81·3	79
Gangetic Plain and Chota Nagpur.	Hazaribagh	2,007	27·632	27·542	·090	27·589	+·017	·490	96·3	77·0	19·3	106·5	72·2	34·3	88·4	89·1	85·1	+ 2·4	69·4	73·1	72·5	71
	Allahabad	309	29·266	29·156	·110	29·214	+·014	·466	102·7	83·4	19·3	111·6	71·3	40·3	94·8	99·7	91·7	+ 0·9	74·0	76·4	76·6	75
Upper Sub-Himalayas.	Dehra Dun	2,233	27·415	27·319	·096	27·364	+·012	·494	93·6	74·0	19·6	105·4	65·7	39·7	85·6	89·8	82·3	+ 0·1	65·6	70·1	70·8	68
	Roorkee	899	28·695	28·579	·116	28·634	+·021	·473	99·7	78·8	20·9	112·2	69·0	43·2	90·6	97·2	88·2	− 0·2	68·5	73·0	73·5	71
	Lahore	702	·844	·749	·095	·788	+·015	·430	105·3	81·5	23·8	112·8	69·7	43·1	95·8	102·7	93·0	0	73·2	79·4	80·9	77·8
	Ludhiana	812	·755	·652	·103	·696	+·019	·445	103·3	81·4	21·9	111·9	71·1	40·8	94·0	102·0	91·6	−0·4	69·8	73·5	74·6	72·6
Indus Valley and N.-W. Rajputana.	Peshawar	1,110	·454	·350	·104	·394	+·008	·441	105·5	77·7	27·8	115·0	68·4	46·6	96·3	102·1	91·2	0	66·7	74·4	74·4	71·9
	Jacobabad	186	29·343	29·231	·112	29·290	+·027	·427	112·1	84·2	27·9	117·5	71·5	46·0	101·9	109·2	97·3	− 0·4	73·5	81·4	81·8	78·9
	Kurrachee	30	·589	·510	·079	·552	+·015	·532	94·3	82·0	12·3	106·9	79·2	27·7	90·0	90·6	86·8	0	77·9	81·7	81·8	80·4
Central India and Gujarat.	Jaipur	1,421	28·208	28·102	·106	28·154	+·021	·493	103·1	81·6	21·5	111·4	70·0	41·4	93·7	99·7	91·2	+ 0·6	70·7	75·2	74·9	73·6
	Udaipur	1,925?	27·764	27·678	·086	27·725		·548	96·5	78·7	17·8	106·0	72·9	33·1	89·1	91·4	86·8		72·3	76·6	77·1	75·3
	Deesa	466	29·193	29·075	·118	29·138	+·014	·542	100·9	80·0	20·9	112·6	74·7	37·9	91·1	99·1	89·6	− 0·9	74·3	77·5	77·3	76·4
	Jamnagar	61	·609	·519	·090	·566		·571	94·4	78·9	15·5	106·2	75·8	30·4	89·3	90·7	85·4		75·6	78·8	79·3	77·9
Deccan.	Belgaum	2,539	27·280	27·202	·078	27·245	+·013	·694	81·9	68·3	13·6	92·8	64·9	27·9	76·6	77·7	73·4	+ 0·6	67·2	70·3	70·5	69·3
	Sholapur	1,590	28·172	28·054	·118	28·121	+·068	·629	93·4	74·4	19·0	105·6	69·8	35·8	84·5	89·7	81·7	− 0·1	69·7	73·3	73·8	72·3
	Akola	930	·742	·622	·120	·688	−·004	·545	96·7	77·1	19·6	109·7	70·4	39·3	87·4	94·0	85·1	− 1·1	71·5	77·4	78·7	75·9
	Buldana	2,132	27·612	27·503	·109	27·559	+·010	·589	90·2	72·5	17·7	104·7	68·0	36·7	82·4	87·7	79·4	− 1·2	67·9	72·4	72·7	71·0
	Khandwa	1,044	28·639	28·510	·129	28·581	+·007	·562	95·9	78·0	17·9	111·7	70·1	41·6	86·3	91·4	85·7	− 1·2	71·0	74·7	74·9	73·5
	Nagpur (Sanitary Commr.'s Office)	1,017	·643	·526	·117	·591	+·013	·545	96·3	78·5	17·8	108·6	70·6	38·0	88·5	91·3	85·6	− 1·0	71·0	75·7	75·5	74·1
	Hyderabad (Deccan)	1,690	·058	27·942	·116	·007	+·007	·610	92·5	75·8	16·7	105·4	69·2	36·2	84·2	89·9	82·4	− 0·2	69·6	72·9	74·9	72·5
West Coast.	Bombay	37	29·726	29·653	·073	29·691	+·018	·667	87·8	79·0	8·8	93·2	75·2	18·0	84·5	84·8	82·2	− 0·2	76·0	79·3	79·2	78·2
	Karwar	44	·796	·732	·064	·767	+·017	·744	85·9	76·9	9·0	91·3	72·4	18·9	83·3	83·2	80·2	+ 0·7	74·3	77·3	77·5	76·3

† Mean of 27½ days.

II.

Stations in India, Burma, etc., in June, 1906.

Vapour Tension.					Humidity.					Cloud.				Wind Direction. Total number of 10 h. and 16 h. winds from										Wind steadiness.		Wind velocity.		Rainfall.		Station.	Meteorological Province.
From minimum.	Mean 10 h.	Mean 16 h.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 h.	Mean 16 h.	Mean of daily means.	Departure from normal.	Mean 10 h.	Mean 16 h.	Mean of two previous columns.	Departure from normal.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Mean wind direction.	Normal mean wind direction of month.	Average percentage.	Normal percentage.	Mean velocity in miles per diem.	Normal.	Total rainfall for the month.	Heaviest rainfall during the month.		
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
																									%	%						
·870	·948	·931	·932	—·003	92	82	81	87	− 1	8·0	8·4	8·2	+0·4					4	4	26	25	1	S 59° W	S 45° W	80	78	312°	250	28·87	4·56	Port Blair	Burma Coast and Bay Islands.
·881	·936	·918	·929	+·008	93	85	83	91	− 2	8·5	9·3	8·9	+0·1	5			2	9	42		2		S 7° E	S 24° W	82	71	66*	122	11·67	1·07	Rangoon	
·822	·945	·933	·916	+·008	87	81	82	85	− 2	7·2	7·8	7·5	−0·7	1				6	7	33	9	4	S 44° W	S 36° W	73	76	300*	230	20·92	4·02	Diamond Island.	
	·977	·974				89	87			7·6	7·6	7·6	−0·7			1	2	21	25	9	2		S 12° E	S 3° E	77	58	141*	91	51·18	7·84	Akyab	
·852	·912	·922	·910	+·015	94	82	81	87	0	7·2	6·7	7·0	−1·0	4	1	1	1	20	18	13	1	1	S 7° E	S 24° E	65	61	161*	168	15·29	3·98	Chittagong.	Bengal and Orissa.
·879	·990	·959	·954	−·017	88	75	71	80	− 3	7·4	7·4	7·4	−0·1		1	2	10	16	15	12	2	2	S 19° E	S 3° W	55	59	138*	142	6·38	1·99	Calcutta (Alipore).	
910	1·047	1·044	1·015	—·009	85	79	77	81	− 2	8·5	7·8	8·2	+0·1		1	1	4	15	23	14	2		S 5° E	S 12° W	70	70	403	382	9·42	3·23	Saugor Island.	
·911	·993	·992	·980	−·010	90	76	77	82	− 2	7·8	7·6	7·7	+0·4	2		2	1	7	17	21	10		S 26° W	S 36° W	65	65	302*	300	6·29	1·80	False Point.	
·628	·622	·593	·632	−·073	69	50	49	58	− 7	6·8	7·9	7·4	−0·4		7	4	7	9	9	5	5	14	S 65° W	S 42° W	3	13	197*	223	6·77	2·03	Hazaribagh.	Gangetic Plain and Chota Nagpur.
·718	·666	·613	682	—·091	65	44	37	50	− 6	4·4	4·7	4·6	−0·5	2	7	7	11	2	1	5	13	12	N 28° W	N 10° W	27	16	133*	192	2·45	1·52	Allahabad	
·538	·547	·511	·546	−·090	65	49	41	55	− 7	4·5	3·9	4·2	0	8	5	5	2	8	3	18	9	2	S 46° W	S 51° W	27	14	52§	41	9·80	2·83	Dehra Dun	Upper Sub-Himalayas.
·568	·582	·513	·568	—·093	60	46	36	50	− 4	3·5	3·0	3·3	+0·2	5		5	3	23	1	1	1	21	N 86° E	S 12° E	10	17	136	86	17·20	5·86	Roorkee	
·719	787	766	·775	+·148	66	48	38	51	+ 7	2·2	1·9	2·1	−0·8	10	4	2	9	6	8	2	16	3	S 39° W	N 18° E	13	7	85	86	0·96	0·36	Lahore	
·580	·559	·498	·562	—·091	55	36	26	41	− 8	2·3	3·1	2·7	−0·2	1	2	3		18			20	16	N 81° W	S 54° W	28	8	55*	67	1·31	0·54	Ludhiana	
·535	·593	·520	·567	+·038	55	31	26	39	+ 1	1·0	3·5	2·3	0	12	13	15	7		1	3	6	3	N 18° E	N 36° E	40	31	53*	106	0·09	0·05	Peshawar	Indus Valley and N.-W. Rajputana.
·696	·802	·719	·757	+·052	58	40	29	43	+ 2	0·6	1·2	0·9	0		3	3	14	8	23	4	2	3	S 32° E	S 30° E	47	44	+190*	127	0·06	0·03	Jacobabad.	
·902	·972	·968	·962	—·014	83	69	68	76	− 2	5·7	5·3	5·5	+1·3			1	1	1	5	22	25	5	S 68° W	S 63° W	75	87	386*	420	1·34	1·21	Kurrachee.	
·621	·644	·556	·614	—·042	58	43	32	46	− 6	3·6	5·8	4·7	+0·3		3	4	6	1	1	7	21	17	N 69° W	N 70° W	50	43	191	163	1·12	0·84	Jaipur	East Rajputana, Central India, Gujarat.
·714	·767	·755	·757		73	57	53	62		4·0	5·9	5·0		4	1	2	1	3	5	17	23	4	S 67° W		60		189*		2·31	1·63	Udaipur	
·777	·759	·649	·740	+·105	77	54	38	57	+ 3	4·9	4·2	4·6	−0·1		1				9	34	13	3	S 52° W	S 44° W	82	66	382‡	401	1·84	0·74	Deesa	
·844	842	·851	·862		85	62	60	72		4·0	3·2	3·6			1				2	21	26	10	S 79° W		81		354*		6·96	2·20	Jamnagar	
·652	·666	·663	·661	−·005	94	71	73	84	− 2	7·7	8·0	7·9	0		1		1		2	18	25	4	S 74° W	S 63° W	80	78	477‖	550	5·93	1·20	Belgaum	Deccan.
·669	·682	·636	·674	+·033	79	59	49	65	+ 3	7·0	8·4	7·7	+0·4			1		3		20	16	20	S 88° W	S 84° W	69	76	373*	329	4·12	1·50	Sholapur	
·700	·812	·782	·774	+·074	77	64	53	66	+ 8	7·5	7·8	7·7	+1·2	2	2	2			1	8	16	29	N 67° W	N 69° W	73	68	236*	235	6·95	1·48	Akola	
·633	·678	·619	·646	−·003	79	63	51	64	+ 1	7·6	7·9	7·8	+1·5	1	2	1	1		1	8	30	16	N 81° W	N 75° W	77	70	281*	262	7·69	1·57	Buldana	
·676	·714	663	·693	−·018	72	60	50	62	+ 3	4·9	6·8	5·9	−0·1	2	4	1	2	2	1	4	19	25	N 64° W	N 78° W	65	71	256*	247	9·23	3·32	Khandwa	
·669	·739	·689	·708	—0·10	71	58	52	61	+ 2	6·8	7·6	7·2	0	1	7	2	1	1	7	20	15	6	S 73° W	N 82° W	53	55	180*	216	18 47	5·32	Nagpur(Sanitary Commr.'s Office).	
·649	·667	·678	·678	—·030	74	60	51	64	0	7·0	7·4	7·2	+0·9	10		1				2	44	3	N 88° W	N 84° W	78	72	179*	218	7·42	2·38	Hyderabad (Deccan).	
857	·935	·925	·922	−·016	87	79	78	83	0	8·1	7·5	7·8	+0·7				1	1	4	7	22	20	5	S 59° W	S 63° W	68	64	268	365	12·91	3·44	Bombay	West Coast.
818	·858	·867	·863	0	88	75	77	82	− 3	5·2	7·0	6·1	−1·0		2				1	33	14	10	S 71° W	S 88° W	78	72	150	144	26·44	3·02	Karwar.	

‡ Mean of 29 days. § Mean of 29½ days. * Corrected. ‖ Mean of 19 days.

Table

Abstract of Observations recorded at 10 h. and 16 h. at 62

Meteorological Province.	Station.	Elevation of barometer cistern above sea-level, in feet.	Pressure.						Temperature of Air.										Temperature, Wet-bulb.			
			Mean of 10 h.	Mean of 16 h.	Mean daily range.	Mean of daily mean pressures.	Departure from normal.	Mean reduced to S. L. and gravity 45° l.at.	Mean maximum.	Mean minimum.	Mean daily range.	Highest maximum.	Lowest minimum.	Absolute range.	Mean 10 h.	Mean 16 h.	Mean of daily means.	Departure, from normal.	Mean minimum.	Mean 10 h.	Mean 16 h.	Mean of three previous columns.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
South India.	Periyakulam	944	28·871	28·760	·111	28·815		29·680	95·0	73·7	21·3	100·2	69·5	30·7	87·1	89·8	84·4		68·9	73·0	73·8	71·9
	Salem	940	·892	·784	·108	·850	−·003	·713	96·4	75·9	20·5	104·2	70·4	33·8	85·9	91·8	84·4	+1·5	72·4	77·1	79·8	76·4
	Chitaldroog	2,405	27·434	27·332	·102	27·391	+·022	·697	86·3	69·6	16·7	95·5	63·1	32·4	78·6	83·0	76·2	+0·3	66·8‡	70·4	70·4	69·2
	Bangalore	3,021	26·860	26·766	·094	26·820	−·003	·702	85·6	67·2	18·4	94·3	64·1	30·2	77·5	82·6	74·6	+0·6	65·1	69·5	70·0	68·2
	Hassan	3,091	·815	·737	·078	·783	+·033	·746	83·7	66·1	17·6	93·1	63·7	29·4	77·7	77·6	73·1	+2·1	64·7	69·6	69·6	68·0
	Mysore	2,518	27·361	27·273	·088	27·324	+·014	·741	86·0	68·4	17·6	94·4	65·9	28·5	79·2	80·9	75·4	+0·8	65·8	69·5	70·5	68·6
	Pudukkottai	318	29·495	29·378	·117	29·437		·679	99·0	79·3	19·7	103·8	70·3	33·5	90·0	95·1	89·2		72·5	75·3	76·6	74·8
	Madras	22	·749	634	·115	·701	+·002	·654	97·3	80·8	16·5	106·1	75·8	30·3	91·5	90·3	87·8	−0·6	75·8	79·8	80·6	78·7
	Bellary	1,475	28·313	28·199	·114	28·264	−·009	·661	93·9	75·2	18·7	105·0	69·7	35·3	84·6	89·5	82·9	−0·5	68·9	72·3	72·6	71·3
	Waltair	*226*	29·453	29·363	·090	29·414	+·019	·579	89·9	78·9	11·0	100·0	71·9	28·1	85·7	85·2	83·2	−1·4	73·2	77·7	78·3	76·4
Hill Station, Baluchistan.	Quetta	5,502	24·488	24·417	·071	24·446	+·004	24·406	90·0	60·3	29·7	96·9	46·5	50·4	83·4	87·0	74·4	+0·3	54·7	62·1	62·3	59·7
Hill Stations, Northern India.	Leh	11,503	19·674	19·591	·083	19·635	−·003	19·603	70·1	43·4	26·7	84·5	34·4	50·1	61·1	67·3	55·6	−2·2	36·7	45·5	47·7	43·3
	Srinagar	5,204	24·756	24·688	·068	24·724	+·028	24·695	80·8	59·0	21·8	93·8	50·5	43·3	71·0	78·1	68·8	−1·1	56·6	66·3	71·9	64·9
	Sarain		23·074	23·026	·048	23·045			73·3	55·5	17·8	81·7	48·0	33·7	68·1	68·7	63·6			56·8	58·0	
	Kalabagh		20·110	20·079	·031	20·089			55·5	46·9	8·6	00·2	40·1	20·1	52·0	53·1	50·4			45·8	47·5	
	Simla (Ridge)	7,224	23·035	22·981	·054	23·001	+·008	22·963	72·1	60·8	11·3	81·0	52·4	28·6	67·6	69·9	65·7	−1·2	54·0	58·0	59·0	57·0
	Chakrata	7,022	·204	23·164	·040	·182	+·025	23·142	73·4	60·6	12·8	82·3	54·0	28·3	68·7	69·5	66·2	−0·2	54·9	58·3	58·1	57·1
	Muktesar	7,600	22·738	22·679	·059	22·702	¶	22·659	73·2	57·9	15·3	81·7	49·0	32·7	66·1	68·0	64·8	¶	52·4	57·7	58·8	56·3
	Katmandu	4,388	25·485	25·393	·092	25·435	+·032	25·389	84·6	65·6	19·0	91·6	57·0	34·6	76·8	81·2	74·3	+0·4	64·2	68·1	69·4	67·2
	Darjeeling	7,376	22·944	22·904	·040	22·920	+·024	22·875	66·0	55·7	10·3	71·4	51·5	19·9	62·8	64·0	60·1	+0·2	54·8	61·0	62·5	59·4
Hill Stations, C. India.	Mount Abu	3,945	25·891	25·823	·068	25·858	+·012	25·808	81·5	68·2	13·3	92·2	64·5	27·7	75·0	79·1	74·0	−0·9	64·0	66·8	68·0	66·3
	Pachmarhi	3,528	26·284	26·195‡	·089	26·241	+·010	26·188‡	87·9‡	71·7	16·2	99·5	65·2	34·3	78·7	84·5‡	79·1‡	+0·9	65·5 ††	69·1	69·6‡	68·2
	Chikalda	3,642	·186	·102	·084	·142	+·015	·086	83·0	68·8	14·2	96·3	63·2	33·1	75·3	80·3	75·1	−0·3	04·9	68·0	69·9	67·6
Hill Stations, S. India.	Kodaikanal	7,688	22·799	22·742	·057	22·770		22·706	65·6	53·8	11·8	74·6	50·7	23·9	62·3	60·2	59·7		49·8	55·8	56·4	54·0
	Ootacamund	7,388	·999	·952	·047	22·973		·909	64·3	51·7	12·6	72·7	45·9	26·8	61·3	59·9	57·2		46·8	53·0	53·0	50·9
	Dodabetta	8,539?	21·950	21·902	·048	21·926		21·863	59·2	49·3	9·9	66·9	45·4	21·5	56·7	55·1	54·3		47·0	51·0	50·7	49·6
Extra India.	Aden	94	29·664	29·560	·104	29·598	0	29·631	95·6	81·8	13·8	98·9	74·7	24·2	93·2	93·9	88·1	−0·5	69·8‡	83·8‡	81·8	78·1
	Perim	201	·555	·443	·112	·495	+·017	·623	96·6	85·0	11·6	101·3	83·1	18·2	92·7	94·5	90·2	+1·8	77·5	80·5	81·2	79·7
	Minicoy	7	·894	·846	·048	·875		·808	86·7			89·4			83·5	83·5				79·3	79·3	
	Zanzibar	72	30·065	·973	·092	30·024	−·020	30·023	81·0	74·0	7·0	83·8	71·9	11·9	76·8	79·9	78·9	−0·4	70·1	73·4	73·7	72·4
	Port Victoria (Seychelles).	15	29·964	·891	·073	29·930	−·017 ¶	29·869	82·8	77·6	5·2	84·3	74·7	9·6	81·0	81·6	79·1	+1·5 ¶	72·4	76·2	76·6	75·1
	Mauritius (Pamplemousses).	181				·942	−·034	30·073				79·1	53·5	25·6			68·4	−0·3				63·6

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

†† Mean of 25 days. ¶ Departure from old normal. NOTE.—The barometric readings are not reduced to sea-level in the case.

II —*concluded.*

Stations in India, Burma, etc., for June, 1906—concluded.

Vapour Tension.					Humidity.					Cloud.				Wind direction.										Wind steadiness.		Wind velocity.		Rainfall.		Station.	Meteorological Province.
														Total number of 10 h. and 16 h. winds from								Mean wind direction.	Normal mean wind direction of month.								
From minimum.	Mean 10 h.	Mean 16 h.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 h.	Mean 16 h.	Mean of daily means.	Departure from normal.	Mean 10 h.	Mean 16 h.	Mean of two previous columns.	Departure from normal.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.			Average percentage.	Normal percentage.	Mean velocity in miles per diem.	Normal.	Total rainfall for the month.	Heaviest rainfall during the month.		
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
																									%	%						
·645	·626	·619	·630		78	49	44	57		5·5	7·4	6·5		12	8	2	4	5	10	11	5	3	S 31° W		18		112*		0·10	0·05	Periyakulam	South India.
·750	·821	·868	·810	+·053	84 ‡	66	59	71	+ 2	4·4	7·1	5·8	−0·5	4	2			5	32	8	7		S 60° W	S 54° W	71	73	142*	120	4·69	1·80	Salem**	
·625‡	·645	·589	·627	−·020	85	66	55	71	− 1	6·9	7·7	7·3	−0·6	1	2	1	1	2	2	12	25	14	N 89° W	S 75° W	67	76	233*	266	5·12	2·09	Chitaldroog	
·595	·635	·589	·613	−·010	89	67	54	72	− 2	7·7	8·3	8·0						1	2	21	28	8	S 76° W	S 72° W	82	81	257*	223	3·82	1·05	Bangalore	
·595	·631	·635	·627	+·005	92	67	68	78	− 2	8·5	8·6	8·6	+0·1		1		2	1	3	12	27	14	S 88° W	S 82° W	72	84	106*	120	1·46	0 31	Hassan	
·607	·606	·619	·618	−·018	87	62	59	71	− 4	9·0	9·2	9·1	+0·6						2	27	28	3	S 69° W	S 75° W	89	79	320*	350	1·93	0·73	Mysore	
·710	·680	·670	·687		71	48	42	54		7·4	8·2	7·8		1	2			1	3	20	11	22	S 89° W		67		251*		1·50	1·13	Pudukkottai	
·828	·866	·919	·888	+·055	79	59	65	70	+ 4	6·3	7·4	6·9	+0·7		1		2	13	3	13	19	9	S 59° W	S 37° W	45	57	196	211	2·40	1·43	Madras	
·636	·639	·594	·639	−·008	74	55	46	61	+ 2	6·9	7·5	7·2	−0·9	1	1		1	1	3	15	27	11	S 83° W	S 85° W	73	80	227*	254	5·18	1·75	Bellary	
·744	·845	·879	·840	−·039	76	70	73	75	+ 6	7·5	8·6	8·1	+1·4§					1	12	36	11		S 43° W	S 35° W	87	69	286*		11·95	5·70	Waltair	
·386	·345	·317	·348	+·007	71	30	25	42	+ 3	2·1	3·5	2·8	+1·7	28	1			5	3	3	10	10	S 88° W	N 72° W	27	33	48*	72	0·06	0·02	Quetta	Hill Stations, Baluchistan.
·166	·175	·171	·167	−·001	59	33	25	40	+ 1	4·3	5·4	4·9	−0·1		2	4	8	3	13	12	15	3	S 38° W	S 81° W	35	34	85	62	0·28	0·16	Leh	
·446	·614	·740	·552	+·017	87	78	75	80‖	+ 1	3·1	4·8	4·0	+0·4	11	11	2	1	5	7	3	4	16	N 46° W	N 9° E	27	7	81*	91	1·70	0·81	Srinagar	
	·351	·378				53	56			6·5	6·5	6·5		32	1	3		2	10	8	2	2	S 23° W		23		32*		18·20	4·75	Saraln	
	·263	·287				67	70			6·8	8·2	7·5		3	20		1	4	5		11	16	N 38° W		50		288§		21·82	6·52	Kalabagh	
·354	·387	·392	·377	−·020	66	60	56	61	0	5·0	5·3	5·2	−0·5	11	25	6		1	8	3	4	2	N 8° W	N 17° W	33	20	87*	108	16·67	4·81	Simla	Hill Stations, Northern India.
·377	·385	·373	·377	−·033	72	59	55	62	− 4	4·6	5·0	4·8	−0·3	20	1	1		18	19			1	S 23° E	S 66° W	53	48	197*	178	11·36	2·74	(Ridge), Chakrata	
·342	·397	·409	·382		71	64	61	65		6·1	7·1	6·6		15	3		4	2	3	8	25		S 74° W		43		185*		6·84	1·78	Muktesar	
·596	·595	·588	·592	−·048	93	65	56	71	− 5	4·5	5·3	4·9	−1·3	5	2	3	13	2			30	5	N 70° W	N 87° W	30	20	32	31	7·07	2·05	Katmandu	
·426	·522	·552	·499	+·007	95	91	92	93	− 1	7·6	8·0	7·8	−1·0	12			1	1		19	16	11	S 80° W	S 15° W	60	8	108*	122	20·40	4·03	Darjeeling	
·551	·566	·560	·562	−·004	81	67	59	69	+ 3	5·5	6·2	5·9	+1·1		4			3	4	43	3	3	S 48° W	S 48° W	75	66	311* ‡	274	7·39	1·76	Mount Abu	
†† ·559	·603	·562‡	·578	−·036	†† 75	65	‡ 53	64	− 1	6·2	‡ 6·4	6·3	−0·5	1	2	2				17	23	14	N 88° W	N 81° W	72	63	277*	221	19·91	4·88	Pachmarhi(a	Hill Stations, C. India.
·577	·602	·611	·596	−·001	83	71	63	72	+ 2	7·1	7·0	7·1	+0·4	7	15	2		1	3	3		29	S 71° W	N 42° W	37	58	202*	242	16·48	4·73	Chikalda	
·323	·384‖	·422	·376		78	69	81	76		7·0	8·9	8·0		1	4	1	3	7	9		15	17	N 81° W		32		357		2·06	0·44	Kodaikanal. §§	
·272	·318	·333	·304		70	59	64	64		8·5	8·9	8·7		3	2	1	2	2	5	15	21	9	S 77° W		59		180*		6·12	1·11	Ootacamund	Hill Stations, S. India.
·300	·318	·328	·315		85	70	75	77		9·1	9·4	9·3		4	6	4	2	5	4	10	16	9	N 88° W		35		359		5·48	0·94	Dodabetta.	
‡ ·605	‡ 1·020	·923	·887	+·008	53‡	66‡	58	61	− 3	2·1	1·1	1·6	−0·1					1	3	7	31	11	7	S 53° W	S	72	57	282*	223	0	0	Aden	Extra India
·847	·878	·889	·909	−·033	70	57	55	63	− 5	0·6	0·6	0·6	¶ −1·2		6			6	10	2		36	N 55° W	N 75° W	47	38	P	322	0	0	Perim	
	·947	·949				83	83			7·2	7·6	7·4			3	1				25	25	6	S 78° W		78		352*		18·30	4·22	Minicoy	
·687	·781	·750	·777	+·039	81	84	73	81	+ 4	4·5	6·1	5·3	¶ +0·5					15	28	17			S 2° W	S 4° E	85	87	184*	211	5·55	2·65	Zanzibar§§	
·732	·845	·854	·826	+·045	77	80	78	80	+ 1	6·6	6·1	6·4	−0·7				2	30	22	5		1	S 23° E	S 24° E	84	83	243	258	4·50	0·80	Port Victoria (Seychelles)	
			·518	−·020				75	− 1			6·3	+1·4										S 54° E	S 61° E			224	269	1·83	0·56	Mauritius, (Pamplemouses).	

§ Mean of 29½ days. ‡ Mean of 29 days. ¶ Corrected. ‖ Mean of three previous columns. ** Wind observations less 2. §§ Wind variable 3. (a) Wind observations 1 less

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

G. I. C P. O.—No. 66 Meteo.—6-12-06.—385.—M. A.

Engraved at the Survey of India Office, Calcutta, December 1906.
LITHO. BY. B.B. MUKERJI.

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

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

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

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

PLATE III.

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

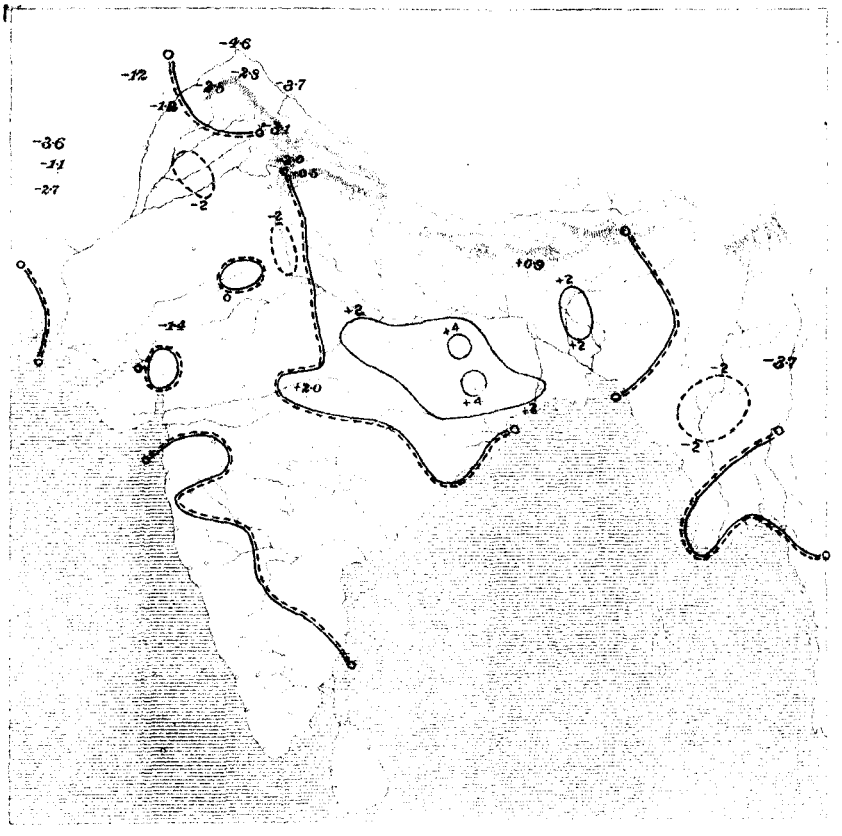
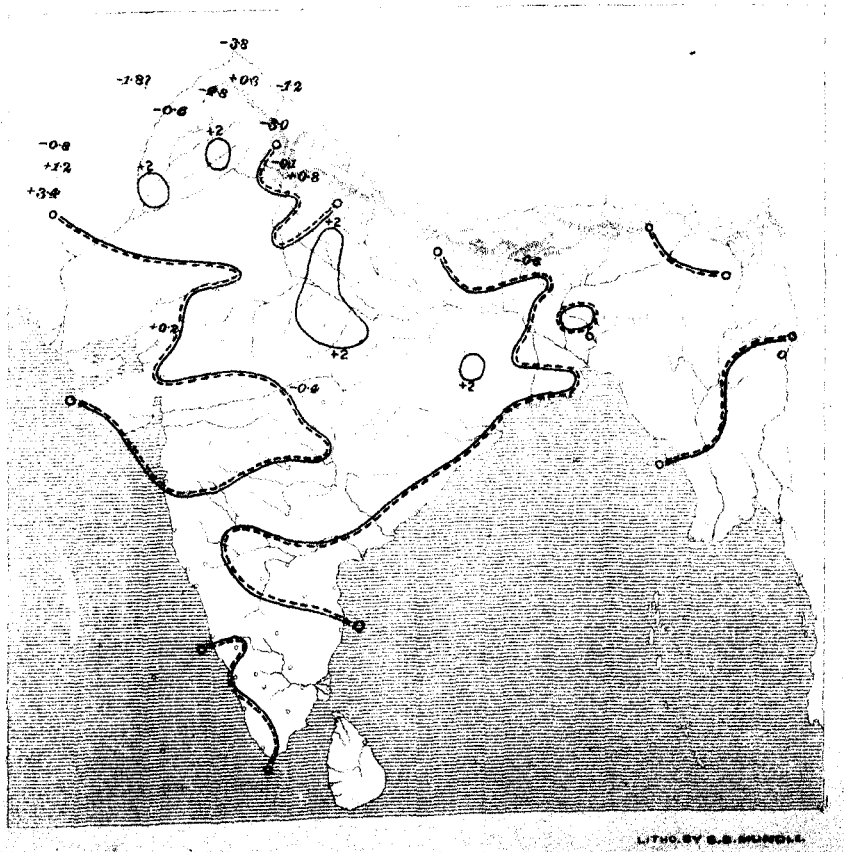


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MINIMUM TEMPERATURE.



LITHO. BY S.S. MUNDLE.

PLATE IV.

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

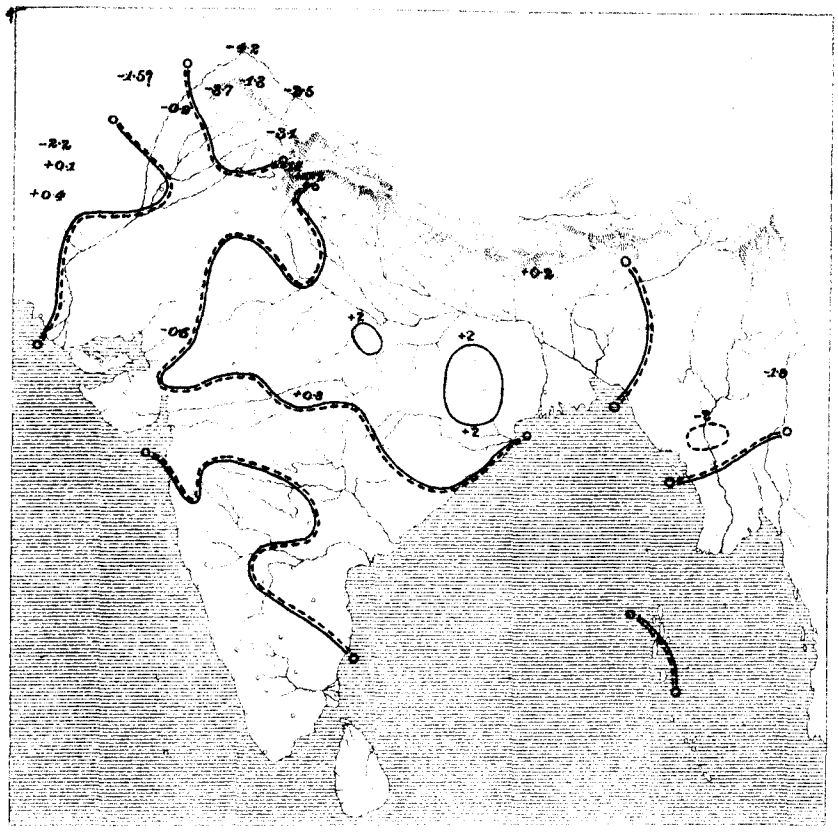
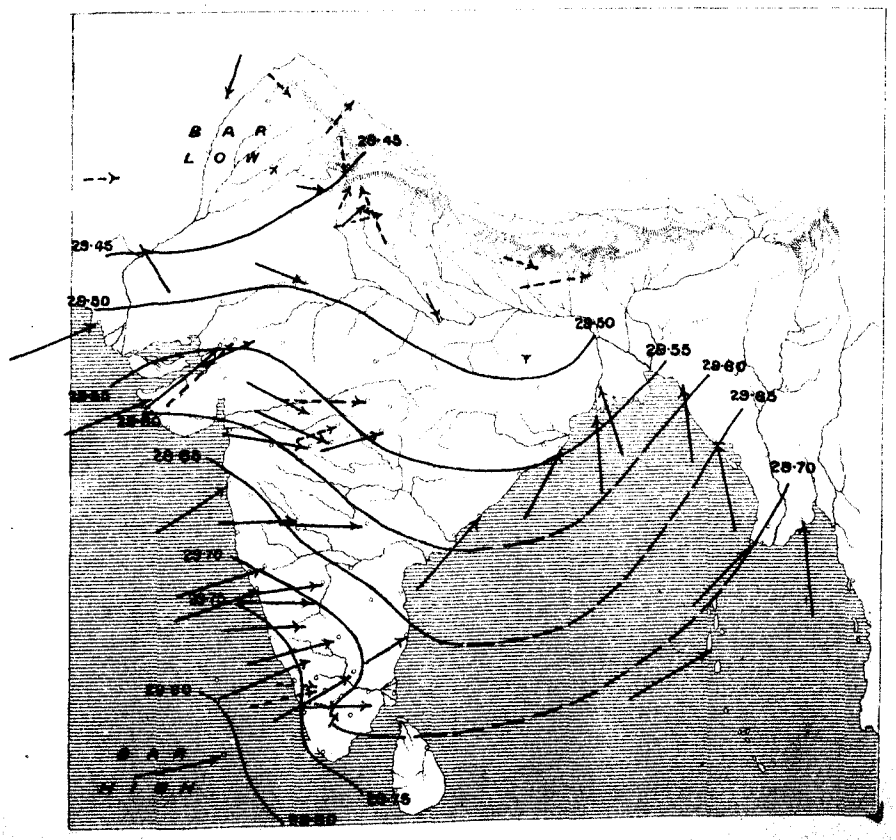


CHART SHEWING THE MONTHLY MEAN OF PRESSURE AND RESULTANT WIND DIRECTION.



LITHO. BY S. S. MURDLE.

PLATE V.

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

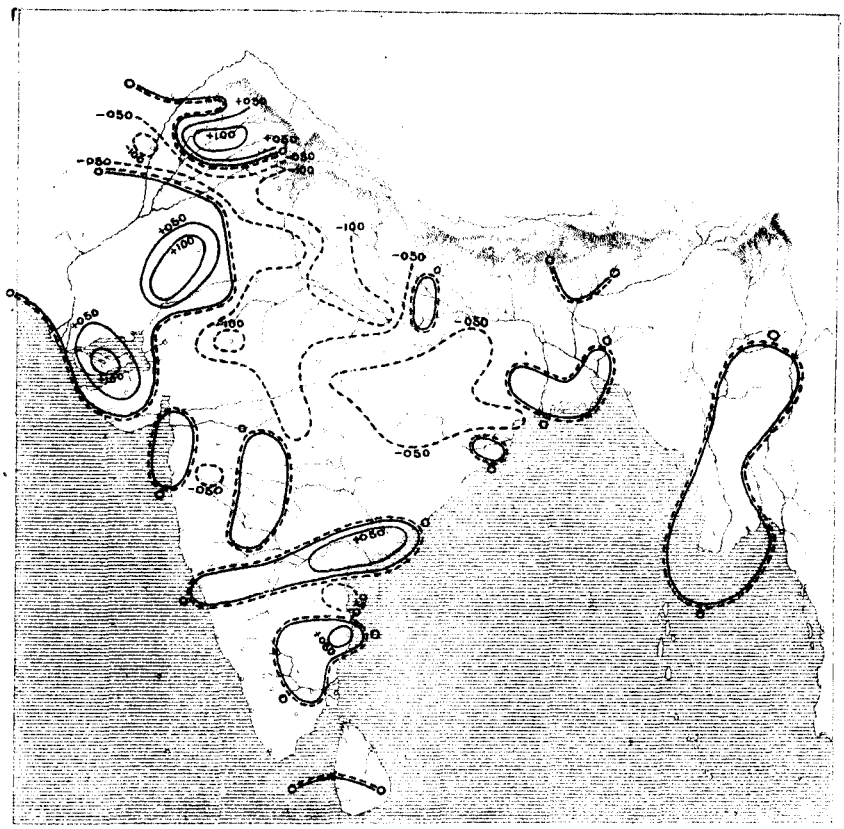
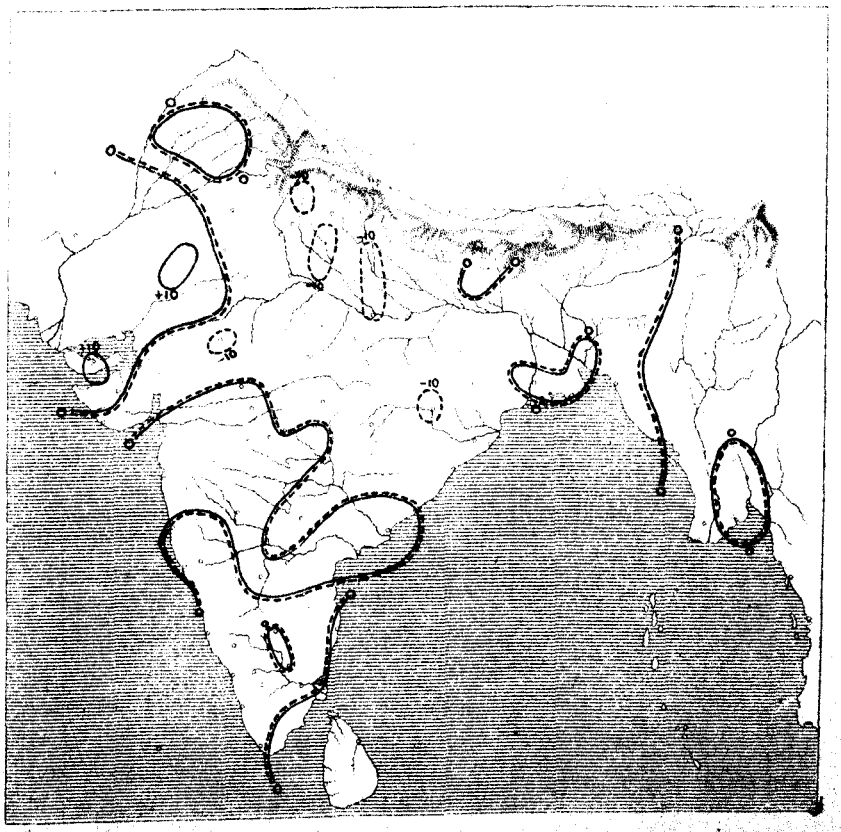


CHART SHEWING THE DEPARTURE FROM NORMAL
OF THE MONTHLY MEAN OF RELATIVE
HUMIDITY AT 8 HRS.



LITHO. BY S. S. MUNDLE

PLATE VI.

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

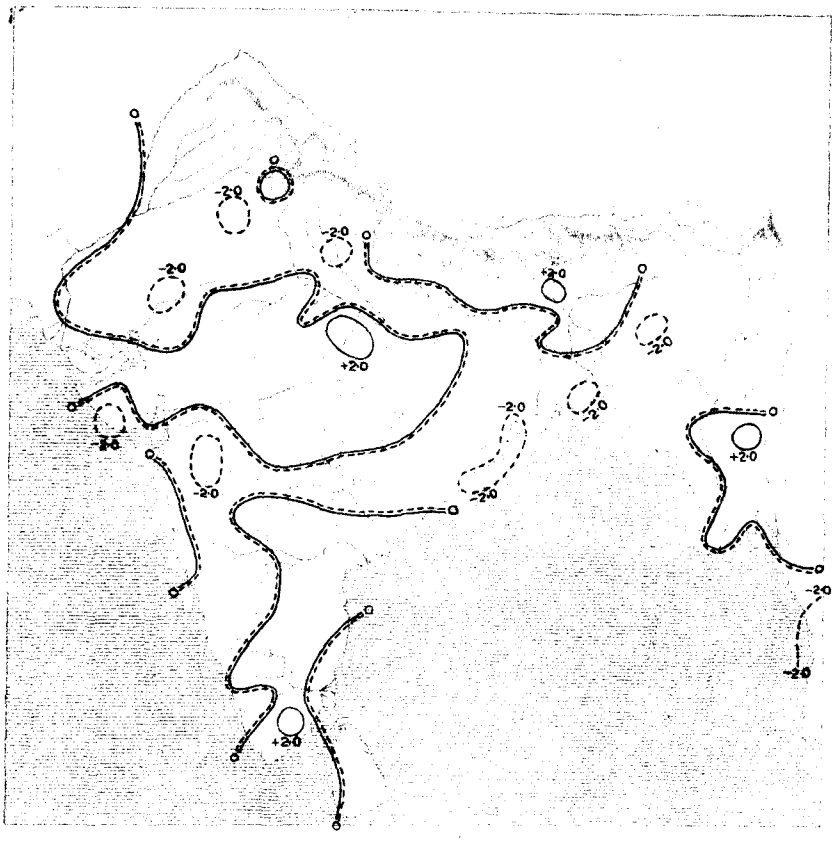


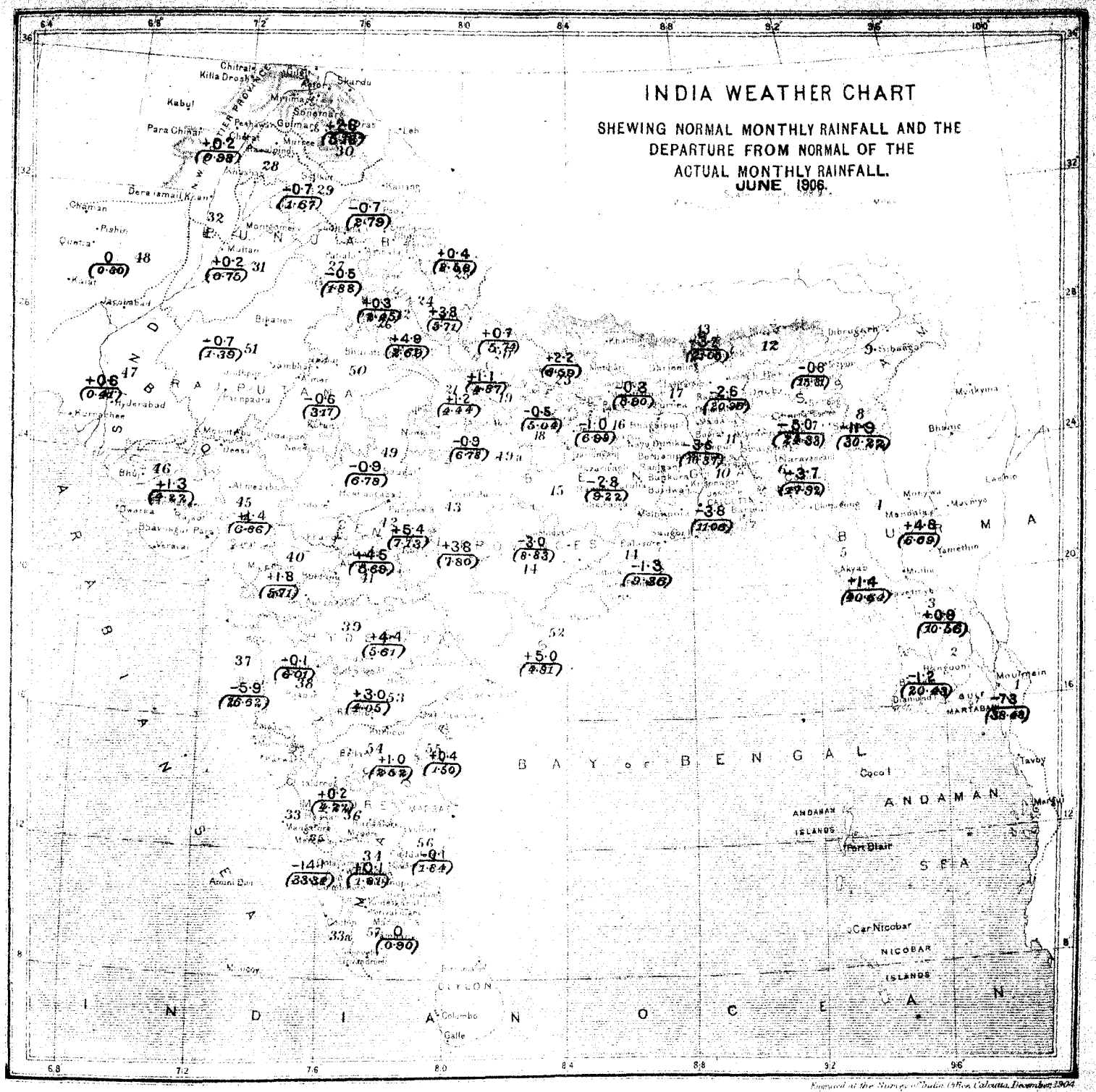
CHART SHEWING THE TOTAL NUMBER OF DAYS IN THE MONTH ON WHICH RAINFALL EQUALLED OR EXCEEDED ·10 INCH.

LITHO. BY S.S. MUNDLE.

Engraved at the Survey of India Office Calcutta, December 1906.

LITHO. BY S.S. MUNDLE.

The chart shows the distribution of the rainfall of the month by means of isohyetic lines or lines of equal amounts of rain. The data used in the preparation of this chart are the rainfall returns of all the observatories in India except those at the hill stations over 3,500 feet in elevation (177 in number). The double line or line of no rainfall separates areas in which the rainfall exceeded a tenth of an inch from those where it was actually or practically *nil* (*i.e.* less than a tenth of an inch). The dotted line faces the area of no rainfall.



Engraved at the Survey of India Office, Calcutta, December 1904.
LITHO. BY S. B. MUNDLE.

The country is divided into 57 areas, over each of which the meteorological conditions are fairly uniform, and the staple crops similar in character. The numbers in bracket on the chart give the average over the division of the normal monthly rainfall; the numbers above these give the departure from these normals of the average actual rainfall over the division. The name of the district can be ascertained by referring in the following list to the number given in each district in red figures.

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

GOVERNMENT OF INDIA.

METEOROLOGICAL DEPARTMENT.

MONTHLY WEATHER REVIEW

PUBLISHED BY ORDER OF

THE GOVERNMENT OF INDIA.

CALCUTTA, JULY, 1906.

INTRODUCTION.

THIS review of the weather in India for the month of July, 1906, is based on observations taken daily at 8 h. at 231 stations and on additional observations taken at 10 h. and 16 h. at 62 stations. In the case of the rainfall section of the review there are utilized the data afforded by the meteorological observatories and such rainfall statements of the month as had been published in the Government Gazettes by the Provincial Governments prior to the date of the publication of the review. The brief notes on solar, seismic and magnetic disturbances have been supplied by the chief observatories.

For a statement of the methods adopted in recording and tabulating the data, for each of the elements of observation, reference should be made to the introductory portion of the review for January.

Summary of the chief features of the weather in India during the month of July, 1906.

2. Weather was on the whole less cloudy than usual, rainfall was below the average, except in the Peninsula, and temperatures were normal over the greater part of the country. In the north-west, however, Sind and the Punjab had clearer skies, higher temperature and very considerably less rain than is usually the case in July.

During the month three depressions affected the weather in the periods from the 1st to the 4th, from the 17th to the 24th, and from the 25th to the 29th. The first caused general and heavy rain in north-east India, the United Provinces, Central India and parts of the Central Provinces and of Rajputana. The second depression gave an increase of rainfall over the whole of the Peninsula and caused rain over the greater part of northern India between Bihar and Rajputana.

The third and last depression gave heavy rain from Bengal westwards to the central parts of the country.

Solar, seismic and magnetic disturbances.

KODAIKANAL OBSERVATORY.

3. *Solar Observations.*—July was, as usual, a very bad month for solar observations. On 4 days the sun could not be observed at all, and on 11 other days it was not possible to observe prominences. This was the more unfortunate as the sun was remarkably active during the month.

Sunspots.—The number of new groups recorded during the month was 25 against 27 in June, but as most of the spots had a longer life than usual, the mean daily number of groups was 7·2 against 4·7 in June, and was, in fact, the highest recorded during the present cycle. The largest number of groups seen on one day was 11, on the 4th, and there were only three days, 13th, 30th, and 31st, on which

less than 6 groups were visible at once. Three of the groups observed were returns of groups seen during the previous rotation and four others were revivals of disturbances in regions in which spots had been seen in June. The distribution of spots between the two hemispheres was less unequal than for some months past, but the northern hemisphere still had 50% more than the southern hemisphere. The distribution in latitude was normal, 13 groups were within 10° of the equator, 11 groups between latitude 10° and latitude 20° and only one group with a latitude higher than 20°.

The chief spot groups of the month were numbers 880 (described last month), 905, and 907. Number 905 was the return of number 880 and was still a large, regular spot, though not as large as during the last rotation. Number 907 first appeared on the 27th as three small, faint dots not far from the east limb and on the 28th it was reduced to a single small dot. On the 29th the weather was bad and no observation could be obtained of it, but by the 30th it had developed, into a large group. It was then close to the central meridian and the spectrum showed considerable disturbance. The C line was strongly reversed and D_3 was slightly dark in the umbra of the main spot. On the 31st it was still larger and could be reckoned one of the great spots of the year.

Prominences.—The poor weather of the month rendered the prominence observations, both visual and photographic, very unsatisfactory. Some 19 large prominences were recorded, but the tallest was only 90″. On the 12th, two prominences showing displacement of the C line were observed. One of these, at position angle 113°, was metallic and had the Na and Mg lines reversed. It was close to a brilliant facular region. The other was near a spot which was just disappearing round the west limb.

Magnetic disturbances.—There was a "great" magnetic disturbance on the 30th from 1 h. 0 m. to 15 h. 15 m. At this time spot 907 was crossing the central meridian and was rapidly developing. There was also a series of "moderate" disturbances from the 10th to the 13th and at the same time there were spot groups near the central meridian.

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

BOMBAY OBSERVATORY.

Note on the Colaba and Alibag records.

4. *Magnetic Record.*—During the month the traces showed 10 calm days, 19 days of small and 2 days of moderate disturbances.

Movements suspected to be due to seismic causes occurred on the 10th at about 7 h., the strain apparently lasting for about 8 hours; a similar movement was noticed on the 30th at about 1h., the strain lasting for about 14 hours.

The days selected as quiet for the purposes of the magnetic survey of India are the 7th, 8th, 19th, 20th and 22nd.

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

Declination	1° 3′ 31″ east.
Horizontal force	·36902 C. G. S. unit.
Dip	23° 8·0′.
Horizontal force range	·00047 C. G. S. unit.
Horizontal force summed range	·00340 C. G. S. unit.
Declination range	5·38′.
Declination summed range	23·05′.

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

Only one small seismic disturbance, with a maximum amplitude of 0·8 mm., was recorded during the month, on the 14th.

It began at 0 h. 43·4 m. G. M. T. reached its maximum at 0 h. 55·1 m., and ended at 1h. 16·1 m., and had therefore a duration of 32·7 minutes.

Magnetic disturbances.

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

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

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

CALCUTTA OBSERVATORY.

5. *List of displacements recorded by the seismograph at the Alipore Observatory, during July 1906.*

Date 1906.	P. T. Commencement. G. M. T.	L. W. Commencement. G. M. T.	Maxima. G. M. T.	End. G. M. T.	Maximum amplitude. in mm.	Duration.	REMARKS.
July.	H. M.	H. M.	H. M.	H. M.		H. M.	
10th	19 55·0	20 0·1	20 14·3	20 29·6	0·50	0 34·6	
21st	5 41·8	5 53.0	5 59·1	6 43·8	1·00	1 2·0	Doubtful.
28th	13 9·3		13 11·3	13 18·4	0·75	0 9·1	

The standard times of the commencement :—

Date 1906.	H. M.
July	
11th	1 25·3
21st	11 12·1
28th	18 39·6

C. W. PEAKE,
Assistant Meteorological Reporter to the Government of India.

SIMLA OBSERVATORY.

6. List of earthquakes recorded by the Omori-Ewing seismograph at the Simla Observatory.

Date.	Commencement of P. I. G. M. T.	End of P. T. G. M. T.	Beginning of L. W. G. M. T.	Maxima. G. M. T.	End approximately. G. M. T.	Duration.	Maximum amplitude in mm.	REMARKS.
July	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.		
3rd	...	...	16 57·6	16 58·1	16 59·0	0 1·4	0·3	Local.
9th	...	...	...	20 24·7	20 25·0	0 0·3	0·2	Do.
20th	...	...	20 27·4	20 28·2	20 41·0	...	0·3	Do.
26th	...	...	...	17 10·0	...	...	0·02	Do.
28th	...	...	...	19 3·3	19 3·9	0 0·6	0·5	Do.

The shock on the night of the 20th was generally felt in Kashmir, and was reported also from Rawalpindi and Ludhiana.

J. PATTERSON,
Deputy Meteorologist.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

7. Solar Observations.—Skies were overcast on the 2nd and 21st, but on all other days of the month observations were made, faculæ and groups of sunspots being visible throughout. During the first week the groups were specially numerous—

Magnetic disturbances.

Day.	Time.	Disturbance.
6th . .	0½h.—2h. .	Wave in H. F. (+22).
6th . .	10h.—12h. .	Decrease in H. F. (21).
6th to 7th . .	23½h. . . to 0½h. . .	Wave in H. F. (+14).
10th . .	5¾h.—14h. .	Two successive waves in H. F. (+39 and +30).
11th to 12th . .	6h. . . to 6h. . .	
13th . .	—	Accentuated diurnal variation in H. F. with occasional superposed undulations and a sudden increase of force at 13 h. 25 m. (12).
20th . .	12h.—19h. .	Double wave in H. F. (+17 to—15).
21st . .	...	Accentuated diurnal variation in H. F.
23rd . .	12¼h.—14h. .	Wave in H. F. (+17), steep at commencement followed by occasional small fluctuations unti 24th 4 h.
26th . .	13—15 .	Wave in H. F. (+15), steep at beginning and end.
29th . .	17¼h.—17⅝h..	Wave in H. F. (+20).
29th . .	23h. 43m. .	Sudden increase of H. F. (+21) followed until 30th 14 h. by unusually rapid fluctuations.
30th . .	2⅜h.—3h. .	Sharp wave in H. F. (+40).
30th . .	5h. 40m. .	Sudden increase of H. F. (37). Small fluctuations in dec. and V. F., throughout.
30th to 31st . .	23½h. . to 1h . .	Wave in H. F. (+20).

The measurements of horizontal force (H. F.) are given in C. G. S. measure unit = ·00001.

T. F. CLAXTON,
Director.

Weather in the Indian monsoon region.

8. In the sub-equatorial regions pressure was normal at Mauritius and Zanzibar and considerably below it at Seychelles. Winds at all these stations were normal in direction, steadiness and velocity, and rainfall, which had been below the average at Mauritius in June and in excess at Zanzibar, was above normal at the former station and below it at the latter. At Seychelles rainfall was normal.

The following table shows the mean monthly conditions at the three stations mentioned :—

	Mauritius.	Zanzibar.	Seychelles.
Departure from normal of mean pressure.	—·003	—·002	—·038
Actual mean wind direction.	S 62° E	S 1° E	S 31° E
Normal mean wind direction.	S 64° E	S 6° E	S 33° E
Actual mean wind velocity (miles per diem).	286	191	306
Normal mean wind velocity (miles per diem).	2·87	197	289
Rainfall departure . .	+3·42	—1·69	+0·15

Depressions and cyclonic storms.

9. Three depressions occurred in the course of the month, each one influencing largely the amount and distribution of rainfall during its period of influence.

The first had already been partially developed on the last day of June, when it first definitely appeared as a shallow low pressure area in the United Provinces. By the first day of July it had acquired its fullest depth, ·10″ below the pressure of the surrounding country, and rainfall was general in its neighbourhood.

From the 1st until the 4th, when it disappeared, the storm travelled slowly westwards, at the rate of approximately 120 miles per day. It caused abundant rain from the United Provinces to Rajputana, and was accompanied by a wave of cool weather, with temperatures from four to eight degrees below normal.

The second and most generally fruitful depression of the month passed through its early stages of formation over the Bay between the 16th and 19th, being first evidenced as a mere extension over the sea of the trough of low pressure in northern India. Thereafter it rapidly deepened till its centre showed a departure from normal of one-third of an inch on the 21st, on which day it crossed the coast near Puri and moved in a west-north-westerly direction. Gradients across the Peninsula were very steep during the 21st, 22nd, and 23rd, and heavy rain fell in the Peninsula and over the country crossed by the storm, Orissa, the Central Provinces and Central India. In Bengal and Assam, however, rainfall diminished considerably during the development and life of this depression, and only resumed its previous activity on the disappearance of the storm on the 24th and the formation on the following day of the third and last depression of the month at the head of the Bay. A wave of cool weather crossed the Peninsula to the south of the storm centre, and disappeared on the filling up of the depression.

The third depression appeared off the coast near Chittagong on the 25th with a central depth of a quarter of an inch, and by the next day had deepened to nearly a third of an inch, had crossed the coast of Bengal and was causing heavy rainfall in that province.

By the 27th the storm had moved west-north-westwards into Chota Nagpur by a distance of about 200 miles, and rainfall in amounts of from 3″ to 5″ was closely associated with it in its south-west quadrant. During that day the storm centre moved in a more nearly northerly direction and began to fill up, so that on the morning of the 28th its depth was little in excess of ·10″ and rainfall had begun to moderate. By the 29th the depression had disappeared, leaving the trough of low pressure lying close up against the hills. A slightly marked cool wave travelled across Bengal from the Bay in connection with this storm.

Pressure.

10. Pressure over India and Burma averaged ·03″ lower than the normal for the month of July, and deviations from that mean condition were generally small. In Assam, however, and in the area round Dera Ismail Khan and Multan the barometer was still lower by about ·02″, while in parts of Rajputana and Sind and on the north of the east coast pressure was but little below the normal.

A period of low pressure over the whole area occurred during the passage westward of the first depression of the month. This was followed from the 8th to the 16th by a series of days during which the barometer rose steadily over the Bay and land area to a maximum height ·19″ above normal in Bengal, and again fell before the early stages of development of the second depression became visible on the 17th.

From that day onwards until the 26th pressure in the Peninsula remained low, and thereafter rose, but in north-east India the influence of the third depression from the 25th in Burma and Bengal to the 28th in Bihar still kept the barometer low. With the disappearance of this depression the conditions were rapidly re-adjusted in the latter areas, and on the last two days of the month pressure was considerably above normal over the north of the Bay and adjacent land regions.

The barometric readings in hill stations of India, though low, also were less noticeably so than those recorded in the plains, and in consequence of this the vertical mean monthly pressure gradients were smaller than usual. In Burma, however, the single hill station Lashio recorded pressures which were in greater defect than those at neighbouring lower level observatories.

The following table gives departures from normal of the vertical gradients between the plains and the hills:—

Hill Station.	Departure from normal pressure.	Plain Station.	Departure from normal pressure.	Departure of pressure difference.
	″		″	″
Quetta . .	−·005	Jacobabad . .	−·029	−·024
Leh . . .	−·014	Lahore . .	−·042	−·028
Simla . . .	−·013	Ludhiana .	−·045	−·032
Murree . .	−·013	Peshawar . .	−·035	−·022
Chakrata . .	−·009	Roorkee . .	−·031	−·022
Darjeeling . .	−·012	Dhubri . .	−·050	−·038
Mount Abu . .	−·014	Deesa . .	−·021	−·007
Pachmarhi . .	−·027	Khandwa . .	−·032	−·005
Lashio . .	−·066	Bhamo . .	−·027	+·039

Mean monthly departures from normal for the eleven meteorological provinces are shown in the table below :—

METEOROLOGICAL PROVINCE.	Departure from normal of mean 8 h. pressure.
	"
Burma Coast and Bay Islands	—·028
Burma Inland	—·040
Assam	—·047
Bengal and Orissa	—·024
Gangetic Plain and Chota Nagpur	—·035
Upper Sub-Himalayas	—·036
Indus Valley and North-West Rajputana	—·032
East Rajputana, Central India and Gujarat	—·023
Deccan	—·031
West Coast	— 031
South India	—·029

Temperature.

11. Mean temperature, considered over the whole month, was practically normal everywhere, except in the north-west, where a large area of from 2° to 4° excess occupied parts of Sind, Rajputana and the Punjab and had its centre near Multan. This result was contributed to almost equally by the respective distributions of the features of maximum and minimum temperature, the north-west area being in each case the seat of highest positive departures from normal. In the hills maximum and minimum temperatures were in general agreement as regards departure from normal, with those of neighbouring plains.

Of the temperature changes which took place during the course of the month the most noticeable were—

(*a*) A cool wave of 4° to 8° which accompanied the first depression between the 1st and the 4th from the United Provinces westward, and was disappearing on the next day.

(*b*) A large rise of temperature in north-west India between the 13th and the 19th, when a defect of 6° round Jaipur gave place to an excess of 10°.

(*c*) A rapid fall in Madras between the 16th and the 17th during the early stages of development of the second depression. Temperatures which were approximately normal on the former date gave place to others from 6° to 8° lower on the latter; thereafter for most of the days until the 23rd the weather in the south of the Peninsula was considerably cooler than usual.

The following two tables give details of temperature for the month :—

PROVINCE.	DIVISION.	ACTUAL TEMPERATURE. Mean maximum.	Mean minimum.	Monthly mean of mean between maximum and minimum.	Mean daily range of temperature.	Absolute range during month.	DEPARTURE FROM NORMAL OF MONTH OF Maximum.	Minimum.	Daily range.
		°	°	°	°	°	°	°	°
BURMA	Tenasserim	84·5	76·2	80·4	8·4	17·1	+0·3	+1·3	—1·0
	Lower Burma (Deltaic)	85·5	77·1	81·3	8·4	15·7	+0·7	+1·3	—0·6
	Central do.	89·3	77·3	83·3	12·0	19·6	+1·5	+1·6	—0·1
	Upper do.	91·3	78·2	84·7	13·2	19·9	—0·8	+1·3	—2·1
	Arakan	85·0	78·2	81·6	6·8	14·2	+0·3	+0·7	—0·4
BENGAL AND ASSAM	Eastern Bengal	88·4	78·8	83·6	9·7	16·2	+1·5	+0·6	+0·9
	Assam (Surma)	90·9	78·0	84·5	12·9	22·4	+0·7	+0·8	—0·1
	Do. (Hills)	75·0	66·0	70·5	9·0	20·0	...	...	...
	Do. (Brahmaputra)	89·8	78·3	84·0	11·5	19·8	+1·4	+1·0	+0·4
	Deltaic Bengal	90·2	80·0	85·1	10·2	16·6	+1·5	+0·8	+0·7
	Central do.	90·5	79·3	84·9	11·2	19·2	+1·2	+0·7	+0·5
	North do.	89·7	79·1	84·4	10·5	19·2	+0·8	+1·0	—0·2
	Bengal Hills	65·8	54·9	60·4	10·9	19·8	+2·0	+1·2	+0·8
	Orissa	89·2	79·3	84·3	9·9	17·6	+0·8	+0·8	0
	Chota Nagpur	88·9	76·6	82·8	12·4	20·0	+1·5	+0·8	+0·7
	South Bihar	91·0	79·3	85·2	11·7	21·1	+0·8	+0·4	+0·4
	North do.	90·5	79·7	85·1	10·7	18·8	+0·4	+0·4	0

Province.	Division.	Actual temperature. Mean maximum.	Mean minimum.	Monthly mean of mean between maximum and minimum.	Mean daily range of temperature.	Absolute range during month.	Departure from normal of month of Maximum.	Minimum.	Daily range.
		°	°	°	°	°	°	°	°
United Provinces of Agra and Oudh.	United Provinces (East)	91·7	79·8	85·8	11·9	21·6	+0·3	+0·3	0
	Oudh (South)	91·2	79·4	85·3	11·8	21·5	—1·0	+0·1	—1·1
	Do. (North)	91·1	79·7	85·4	11·4	19·1	—0·2	+0·9	—1·1
	United Provinces (Central)	91·9	80·6	86·3	11·4	23·1	—0·2	+1·3	—1·5
	Do. (West)	94·0	81·3	87·6	12·7	26·7	+0·9	+1·4	—0·5
	Do. (Submontane, East)	90·3	79·4	84·9	10·9	18·2	—0·8	0	—0·8
	Do. (Submontane, West)	89·2	76·7	82·9	12·5	21·4	+0·4	+0·5	—0·1
	Do. (Hills)	69·4	60·2	64·8	9·2	16·5	—0·9	+0·7	—1·6
Punjab	Punjab (South-East)	95·4	81·3	88·4	14·1	31·6	+1·4	+0·6	+0·8
	Do. (South)	99·4	82·2	90·9	17·2	34·4	+2·4	+2·6	—0·2
	Do. (Central)	102·7	83·6	93·2	19·1	38·2	+2·1	+4·2	—2·1
	Do. (Submontane)	97·6	80·0	88·8	17·6	33·1	+1·3	+1·2	+0·1
	Do. (Hills)	78·7	57·2	68·0	21·5	34·5	+0·7	—0·6	+1·3
	Do. (West)	106·9	86·5	96·7	20·5	38·6	+3·2	+3·2	0
N.-W. F. Province	N.-W. F. Province	103·5	82·5	93·0	21·1	37·0	+0·4	+1·5	—1·1
Bombay and Malabar Coast Districts (Madras).	Malabar	82·7	74·2	78·5	8·5	16·5	—0·1	—0·2	+0·1
	Madras (South Central)	91·6	72·9	82·2	18·7	26·0	+1·0	+1·0	0
	Coorg	68·9	62·8	65·9	6·1	15·9	0	+0·6	—0·6
	Mysore	81·8	67·3	74·6	14·6	23·3	+0·2	+0·7	—0·5
	Konkan	83·2	76·5	79·9	6·7	13·1	—0·3	+0·4	—0·7
	Bombay Deccan	83·2	70·7	77·0	12·5	20·8	—0·3	+0·7	—1·0
	Hyderabad (North)	85·5	71·8	78·7	13·7	23·9	...	...	...
	Khandesh	86·7	72·6	73·7	14·1	22·4	+0·4	+0·7	—0·3
Central Provinces and Berar.	Berar	88·0	74·4	81·3	13·6	24·8	—0·2	+0·5	—0·7
	Central Provinces (West)	86·5	75·3	80·9	11·2	20·0	—0·9	+0·1	—1·0
	Do. (Central)	85·7	75·1	80·4	10·6	19·7	—0·2	+0·9	—1·1
	Do. (East)	85·8	75·3	80·6	10·5	18·5	—0·4	+0·1	—0·5
Bombay (North)	Gujarat	89·7	78·3	84·1	11·4	21·2	—0·4	+0·6	—1·0
	Kathiawar and Cutch	89·6	79·1	84·2	10·5	17·9	+0·4	+0·9	—0·5
	Sind	101·3	83·6	92·5	17·7	29·4	+2·2	+1·7	+0·5
	Baluchistan Hills	97·6	65·7	81·7	32·0	46·6	+1·7	+1·0	+0·7
Rajputana and Central India.	Central India	86·6	76·5	81·6	10·1	20·7	—0·7	+1·1	—1·8
	Rajputana (East)	92·3	78·8	85·6	13·5	26·7	+1·2	+1·2	0
	Do. (West)	100·4	82·4	91·4	17·9	32·0	+2·8	+2·0	+0·8
Madras	East Coast (North)	89·1	79·1	84·1	10·1	20·4	—0·2	+0·2	—0·4
	Hyderabad (South)	88·8	74·0	81·4	14·8	24·3	—0·4	+0·6	—1·0
	Madras (Central)	93·1	75·9	84·5	17·2	28·8	+0·6	+0·1	+0·5
	East Coast (Central)	95·6	79·4	87·5	16·3	28·4	+0·6	+0·5	+0·1
	Do. (South)	96·9	78·4	87·7	18·5	29·3	+1·1	+0·6	+0·5
	Madras (South)	94·0	76·8	84·8	17·2	20·8	+0·9	+1·0	—0·1

Meteorological Province.	Departure from normal of Mean maximum temperature.	Mean minimum temperature.	Mean temperature.
	°	°	°
Burma Coast and Bay Islands	+0·6	+1·3	+1·0
Burma Inland	+0·1	+1·1	+0·6
Assam	+1·1	+0·9	+1·0
Bengal and Orissa	+1·2	+0·8	+1·0
Gangetic Plain and Chota Nagpur	+0·3	+0·5	+0·4
Upper Sub-Himalayas	+1·3	+1·4	+1·4

Meteorological Province.	Departure from normal of Mean maximum temperature.	Mean minimum temperature.	Mean temperature.
	°	°	°
Indus Valley and North-West Rajputana.	+2·3	+2·2	+2·2
East Rajputana, Central India and Gujarat.	+0·1	+1·0	+0·6
Deccan	—0·3	+0·6	+0·2
West Coast	—0·2	+0·2	0
South India	+0·5	+0·6	+0·6

Winds.

12. Winds round the head of the Bay and on the north of the Burma coast were more southerly than usual, and blew with more than their normal strength and steadiness.

In the Peninslua, direction and steadiness were generally normal, but while winds had their normal velocities in the south, there was a conspicuous defect throughout the Deccan.

Humidity and cloud.

13. Mean monthly absolute humidity was generally high, especially in the north-west and on the east coast between Madras and Gopalpur. Owing, however, to the temperature distribution, relative humidity had a slight tendency to be low in the north-west and the north-east, and cloud was in marked defect over most of north-west India and to a less degree over a large part of the Peninsula and in Burma.

Plates V and VI illustrate these features, and mean figures for meteorological provinces are given in the table following:—

Meteorological Province.	Mean absolute humidity.		Mean relative humidity.		Mean cloud amount.	
	Average actual.	Departure from normal.	Average actual.	Departure from normal.	Average actual.	Departure from normal.
	"	"	%			
Burma Coast and Bay Islands.	·912	+·009	87	−2	8·3	−0·3
Bengal and Orissa.	97·9	+·017	86	−1	8·2	−0·2
Gangetic Plain and Chota Nagpur.	·885	+·005	82	−1	8·5	−0·3
Upper Sub-Himalayas	·908	+·043	74	−1	4·4	−1·6
Indus Valley and North-West Rajputana.	·874	+·027	61	−2	3·7	−0·3
East Rajputana, Central India and Gujarat.	·863	+·034	74	+1	7·6	−0·2
Deccan	776	+·036	81	+3	8·7	+0·3
West Coast	·899	+·015	89	+2	8·3	+0·5
South India	·717	+·026	75	+1	8·0	−0·3

Rainfall.

14. There was a defect of rainfall during the month over the greater part of northern India and Burma, the two meteorological provinces of Assam and of the Gangetic Plain and Chota Nagpur alone showing exceptions to this condition. The strongest departures from normal amounts occurred in the Punjab and Sind, where deficiencies of 33 per cent. and 80 per cent., respectively, were recorded.

In the Peninsula, and especially on the west coast, rainfall was in excess.

The heaviest sustained rainfall, both in the Peninsula and in the central parts of India, occurred during the period of influence of the second depression of the month between the 17th and the 23rd, and in north-east India between the 8th and 14th and from the 26th to the end of the month. In the latter area a partial cessation of wet weather was caused by the second depression, which diverted the Bay monsoon from its usual course into Bengal along more westward paths into Orissa.

Details of the month's rainfall in provinces and divisions are shnwn in the two tables below :—

Province.	Division.	Number of rainy days.		Rainfall.			
		Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure.
				Inches.	Inches.	Inches.	Per cent.
Burma	Tenasserim	28·2	27·2	43·08	43·40	—0·32	— 1
	Lower Burma (Deltaic)	23·6	25·8	22·47	24·12	—1·65	— 7
	Central do.	17·7	19·5	11·58	12·44	—0·86	— 7
	Upper do.	7·2	9·4	4·73	6·69	—1·96	— 29
	Arakan	26·9	27·3	51·32	47·62	+3·70	+ 8
Bengal and Assam	Eastern Bengal	18·4	18·9	18·13	17·98	+0·15	+ 1
	Assam (Surma)	21·6	22·5	21·18	20·90	+0·28	+ 1
	Do. (Hills)	22·0	22·1	34·88	27·54	+7·34	+ 27
	Do. (Brahmaputra)	16·9	18·0	16·43	17·22	—0·79	— 5
	Deltaic Bengal	14·8	16·2	11·47	11·97	—0·50	— 4
	Central do.	14·3	15·6	11·05	16·95	—5·90	— 35
	North do.	18·4	17·3	26·92	21·56	+5·36	+ 25
	Bengal Hills	24·0	24·6	33·10	28·85	+4·25	+ 15
	Orissa	15·1	14·7	11·52	12·12	—0·60	— 5
	Chota Nagpur	14·9	16·6	14·61	14·09	+0·52	+ 4
	Bihar (South)	14·1	14·2	11·71	12·74	—1·03	— 8
	Do. (North)	16·1	14·5	16·04	13·55	+2·49	+ 18
United Provinces of Agra and Oudh.	United Provinces (East)	13·9	13·5	12·77	11·84	+0·93	+ 8
	Oudh (South)	14·8	12·2	12·26	10·98	+1·28	+ 12
	Do. (North)	15·1	12·5	14·78	12·36	+2·42	+ 20
	United Provinces (Central)	12·8	12·0	10·37	11·01	—0·64	— 6
	Do. do. (West)	9·2	9·6	7·77	8·56	—0·79	— 9
	Do. do. (East Sub-montane)	15·8	13·4	14·83	12·93	+1·90	+ 15
	Do. do. (West do.	13·2	13·1	12·54	14·91	—2·37	— 16
	Do. do. (Hills)	17·4	17·7	14·50	17·72	—3·22	— 18
Punjab	Punjab (South-East)	8·5	7·4	5·94	6·43	—0·49	— 2
	Do. (South)	4·6	5·4	2·26	4·75	—2·49	— 58
	Do. (Central)	4·6	5·2	2·61	5·33	—2·72	— 51
	Do. (Submontane)	7·7	8·2	6·13	8·18	—2·05	— 25
	Do. (Hills)	12·5	14·1	12·61	15·64	—3·03	— 19
	Do. (West)	2·0	3·0	1·18	2·47	—1·29	— 52
N.-W. F. Province	North-West Frontier Province	4·2	4·6	2·86	3·47	—0·61	— 18
Bombay and Malabar Coast Districts (Madras).	Malabar	29·5	27·5	46·35	39·25	+7·10	+ 18
	Travancore	21·3	...	21·25	...	...	...
	Madras (South, Central)	5·8	3·8	3·30	1·89	+1·41	+ 75
	Coorg	26·3	...	36·27	...	...	...
	Mysore	11·0	9·1	7·03	6·47	+0·56	+ 9
	Konkan	28·1	26·6	41·71	40·60	+1·11	+ 3
	Bombay Deccan	11·1	11·7	6·78	8·80	—2·02	— 23
	Hyderabad North	12·2	12·3	9·27	8·39	+0·88	+ 10
	Khandesh	11·6	11·9	8·52	8·70	—0·18	— 2
Central Provinces and Berar.	Berar	13·8	12·2	11·63	9·32	+2·31	+ 25
	Central Provinces (West)	17·8	14·6	15·38	13·34	+2·04	+ 15
	Do. (Central)	19·7	16·7	17·00	16·61	+0·39	+ 2
	Do. (East)	19·3	16·3	18·03	16·26	+1·77	+ 11
Bombay (North)	Gujarat	15·4	15·1	14·59	16·46	—1·87	— 11
	Kathiawar and Cutch	10·3	10·8	9·40	10·71	—1·31	— 12
	Sind	0·8	2·7	0·48	2·40	—1·92	— 80
	Baluchistan Hills	0·4	1·5	0·30	0·87	—0·57	— 66
Rajputana and Central India.	Central India (East)	15·0	13·1	14·94	11·21	+3·73	+ 33
	Rajputana (East), Cental India (West)	9·5	9·5	8·53	8·05	+0·48	+ 6
	Do. (West)	4·2	4·7	2·53	3·88	—1·35	— 35
Madras	East Coast (North)	10·9	10·6	7·95	7·13	+0·82	+ 12
	Hyderabad South	9·5	10·2	5·70	5·73	—0·03	— 1
	Madras (Central)	7·5	5·9	4·56	2·94	+1·62	+ 55
	East Coast (Central)	6·2	4·9	3·54	2·27	+1·27	+ 56
	Do. (South)	6·2	4·6	3·47	2·63	+0·84	+ 32
	Madras (South)	1·8	1·7	0·63	0·86	—0·23	— 27

METEOROLOGICAL PROVINCE.	RAINFALL. Mean actual. (a)	Normal for July. (b)	Departure from normal. (c)	Percentage departure from normal.
	Inches.	Inches.	Inches.	
Burma Coast and Bay Islands	26·86	31·41	−2·93 *	−9
Burma Inland	8·64	6·67	−1·62 *	−15
Assam	16·35	16·03	+0·32	+2
Bengal and Orissa	13·49	14·56	−1·03 *	−7
Gangetic Plain and Chota Nagpur	13·59	12·30	+1·29	+10
Upper Sub-Himalayas	9·11	10·73	−1·59 *	−15
Indus Valley and North-West Rajputana.	1·60	3·02	−1·42	−47
East Rajputana, Central India and Gujarat.	9·05	10·08	−0·78 *	−8
Deccan	12·05	11·05	+0·68 *	+6
West Coast	33·59	28·58	+5·01	+17
South India	3·29	3·14	+0·11*	+4

* A reference to table I will show that some of the stations contained in the provinces of the above table have not yet had normal values of rainfall assigned to them. The figures, therefore, of columns *b* and *c* are based on a smaller number of stations than are those of column *a*, and hence the sum of the figures in columns *b* and *c* will not in general agree with the figures in column *a*.

Snowfall.

15. I.—NORTH-WEST FRONTIER PROVINCE.

(*a*) *Kurram.*—No snow fell, but there was heavy rain. A severe hailstorm occurred on the Sufed Koh on the 18th.

(*b*) *Chitral.*—There was no snowfall at Chitral itself, but on the surrounding hills slight falls were reported on the 15th and 17th.

II.—KASHMIR.

Snow fell on four occasions on the higher ranges visible from Sonemarg, and on two occasions on those above Dras, but the total quantity received was not great. The area covered with snow extended down to about 10,000 feet in the deeper valleys of the Pir Panjal range at the end of the month.

At Leh weather was generally hot and the snow line on the surrounding hills retreated to 18,000 feet. The passes to the north were, however, difficult to cross at about the middle of the month owing to great accumulations of snow.

III.—PUNJAB.

(*a*) *Chamba.*—There were four slight falls on the Sach pass during the first twenty days of the month.

(*b*) Kilba (Simla hills). There was no snowfall, and all the passes were open to travellers.

IV.—UNITED PROVINCES.

(*a*) *Almora.*—Snowstorms were much more frequent than usual on the higher passes, there having been in all twenty-four falls on the Nuwe and twenty-one on the Binkaru pass: the total fall amounted to 15½ feet on the former and 9½ feet on the latter. The falls are reported to have extended to levels half a mile below the permanent snow line.

The statement below shows the depth of accumulation on the various passes and peaks at the end of the month:—

Untadhura	15 feet.
Ralamdhura	12 „
Milamdhura	6 „
Nuwe pass	22 „
Binkaru pass	13 „
Lipu Lekh pass	2 „

(*b*) *Garhwal.*—Snow to a depth of about five feet is reported to have fallen on the higher peaks in the northern pargana during the first nineteen days of the month.

16.—SUMMARY OF THE PRECEDING INFORMATION.

(*a*) Little or no snow fell in Kurram and Chitral.

(*b*) Weather was on the whole drier than usual in Kashmir, and the accumulations of snow there, although still unusually deep, were disappearing fast. The snow line was lower than usual in the deeper valleys of the Pir Panjal range.

(*c*) Conditions were approximately normal generally in the hill districts of the Punjab.

(*d*) Weather was apparently more disturbed than usual in Almora and Garhwal, and the accumulation on some of the passes there was unusually large.

Crop report.

17. *Burma.*—Rainfall was heavy in the coast districts and light to moderate in the interior. Ploughing, sowing and transplanting of wet weather paddy and reaping of the dry weather crop were carried on, as well as sowing of late sesamum, millet, maize, ground-nuts and peas. The standing crops were in good condition, although early sesamum had suffered to some extent from want of rain.

Eastern Bengal and Assam.—Weather was seasonable. The harvesting of early rice and jute was in progress and cultivation of late transplanted rice continued, while the

condition of standing crops was fair to good in most districts. Damage from insects and floods was reported from some parts. The prospects of tea were fair to good.

Bengal.—Rainfall was general, but in some districts was insufficient for the transplantation of winter paddy. Jute and sugarcane were doing well and prospects on the whole were fair.

United Provinces.—Good rain fell and in parts the falls were heavy. The sowings for the autumn crops were nearly completed and seed was germinating well. Cane and other standing crops were doing well and prospects generally were fair.

Punjab.—Rainfall was below average, especially in the central and south-west Punjab. Tobacco cutting, the weeding of cotton and sugarcane and the sowing of autumn crops were in progress, the last being retarded by want of rain. The condition and prospects of standing extra spring and autumn crops were generally good.

North-West Frontier Province.—Rain fell over the whole province, but more was needed. The harvest prospects and outturn of crops were fair and the condition of standing crops average. The sowing of autumn crops was in progress.

Jummoo and Kashmir.—Rainfall was insufficient, but the condition of the standing crops was fair. Autumn sowings were in progress.

Rajputana.—Pasturage and water-supply improved during the month and prospects were on the whole fair, though more rain was needed. Standing crops were generally doing well and sowings for autumn crops were in hand.

Central India.—Agricultural stock was in bad condition in parts of Gwalior and Bundelkhand at the beginning of the month, but improved as rainfall increased. The standing crops were fair to good, and ploughing and sowing for the autumn crops were in progress.

Central Provinces.—Good rain fell during the month, but the rainfall was excessive in parts and caused some damage to the rice, til, and cotton crops. Sowings for the autumn crops were in progress, and germination was good.

Bombay.—Rainfall increased during the month and conditions improved generally, though fodder was still scarce and agricultural stock was deficient. Sowings were nearing completion and seedlings were thriving. The standing crops were generally in good condition.

Hyderabad.—Rainfall was general during the third week of the month, but want of rain retarded sowings of autumn crops and of early rice in some taluks. The standing crops were generally in good condition.

Mysore.—Agricultural prospects improved during the month, but more rain was needed, especially in Tumkur and Hassan.

Coorg.—Sowing and transplanting of rice continued. Water and fodder were sufficient.

Madras.—There were no harvests in parts of the Circars, the Deccan, Tanjore, Trichinopoly, Tinnevelly, Malabar and South Canara; elsewhere the outturn was poor to good. Agricultural operations were in progress, and the standing crops were generally in fair condition.

J. H. FIELD.

Table I.—Abstract of Observations taken at 8 h. at 231 Stations in India, Burma, etc., in July, 1906.

Table

Abstract of Observations taken at 8 h. at 231 Stations

Number of rainfall division.	Station.	Elevation of barometer above sea-level, in feet.	Pressure, 8 h. in inches.								Temperature of air.												
			Mean 8 h. pressure reduced to 32°.	Departure from normal.	Mean 8 h. pressure reduced to sea-level and to constant gravity, at 45° Lat. (see note 3).	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 h. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	I.—Burma Coast and Bay Islands.			—·028								85·2	+0·6	76·7	+1·3	81·0	+1·0	8·5					16·6
1	Car Nicobar .	25																					
	Slipper Island .	90	29·667		29·690	29·815	31st	29·459	20th	·356	81·4	84·8		77·5		81·2		7·3	92·6	18th	72·6	20th	20·0
	Port Blair . .	61	29·740	—·024	29·732	29·861	31st	29·576	20th	·285	81·3	85·9	+0·5	76·2	+0·8	82·1	+0·7	7·7	89·1	10th	75·5	13th & 18th	13·6
	Mergui . .	96	29·715	—·022	29·771	29·850	31st	29·626	20th	·224	77·8	85·0	+0·5	73·4	+1·9	79·7	+1·2	10·6	89·9	9th	71·9	29th	18·0
	Tavoy . .	19	29·820	—·026	29·770	29·931	31st	29·711	20th	·220	77·6	83·0	−0·3	75·4	+1·3	79·2	+0·5	7·6	89·0	11th	71·8	29th	17·2
	Moulmein . .	94	29·686	—·032	29·718	29·821	31st	29·560	24th	·261	77·7	83·4	+0·4	75·0	+0·8	79·2	+0·6	8·4	89·0	10th	72·3	17th & 30th.	16·7
2	Rangoon . .	36	29·735	—·026	29·708	29·885	31st	29·576	20th	·309	80·1	85·8	+0·5	77·5	+1·7	81·7	+1·1	8·3	90·6	1st	74·9	3rd, 6th & 30th.	15·7
	Bassein . .	27?	29·720?	—·027?	29·735?	29·869	31st	29·551	20th	·338	79·5	85·8	+1·1	76·6	+0·8	81·2	+1·0	9·2	90·2	14th	71·4	18th	18·8
	Diamond Island	41	29·714	—·032	29·690	29·875	31st	29·535	20th	·340	81·8	84·9	+0·6	77·1	+1·5	81·0	+1·1	7·8	86·9	1st & 8th.	74·2	3rd & 30th.	12·7
5	Akyab . .	20	29·658	—·031	29·621	29·883	31st	29·451	20th	·432	80·5	85·0	+0·3	78·2	+0·7	81·6	+0·5	6·8	88·9	19th	74·7	9th	14·2
3	Toungoo . .	183	29·561	—·028	29·685	29·736	31st	29·407	20th	·329	80·1	88·5	+1·8	77·0	+1·9	82·7	+1·9	11·5	94·4	12th	75·1	21th	19·3
	II.—Burma Inland.			—·040								90·9	+0·1	77·7	+1·1	84·3	+0·6	13·2					20·3
3	Thayetmyo .	121	29·540	?	29·602	29·730	31st	29·361	20th	·366	81·2	90·1	+1·2	77·6	+1·3	83·9	+1·3	12·5	94·5	12th	75·9	2nd & 7th.	18·6
4	Minbu . .	*165*	29·564	—·050	29·612	29·684	31st	29·356	20th	·328	81·0	90·5	−0·8	77·9	+0·7	84·2	−0·1	12·6	94·7	13th	75·6	9th	19·1
	Yamethin . .	657	29·038	—·048	29·045	29·264	31st	28·863	20th	·401	79·2	89·0	−1·0	75·9	+1·3	82·5	+0·2	13·1	93·3	12th	74·2	2nd & 30th.	19·1
	Monywa . .	*280*	29·411		29·630	29·595	31st	29·273	24th	·322	83·0	91·2		80·2		87·2		14·0	98·3	15th	77·6	2nd	20·7
	Mandalay . .	250	29·424	—·035	29·622	29·605	31st	29·277	24th	·328	83·2	93·7	−0·5	80·2	+1·8	87·0	+0·7	13·5	97·5	5th & 15th.	77·8	6th & 15th.	19·7
	Myitkyina . .	458	29·175		29·589	29·346	31st	29·041	24th	·305	79·7	89·3		76·6		82·9		12·7	95·1	5th	73·1	13th	21·0
	Bhamo . .	*381*	29·281	—·027	29·616	29·458	31st	29·144	24th	·314	79·2	89·3	+1·5	75·6	+0·5	82·5	+1·0	13·7	95·9	20th	72·1	22nd	23·8
4(a)	Maymyo . .	3,545	26·275		26·220	26·407	11th	26·127	24th	·280	71·5	77·3		68·4		72·9		8·9	79·9	3rd & 5th.	66·1	11th	13·8
	Lashio . .	*2,751*	26·913	—·066	26·859	27·065	31st	26·757	24th	·278	74·3	83·8	+0·2	70·6	+1·3	77·2	+0·8	15·2	88·5	26th	68·0	11th & 19th.	20·5
	III.—Assam.			—·047								90·0	+1·1	78·2	+0·9	84·1	+1·0	11·8					20·3
7	Silchar . .	104	29·533	—·035	29·589	29·734	31st	29·338	25th	·396	82·1	90·9	+0·7	73·0	+0·8	84·5	+0·8	12·9	98·6	23rd & 26th.	76·2	16th	22·4
9	Sibsagar . .	333	29·275	—·057	29·561	29·456	31st	29·149	25th	·307	81·8	90·6	+0·6	73·5	+1·6	85·1	+1·1	11·1	96·6	23rd	76·9	10th	19·7
	Dhubri . .	115	29·459	—·050	29·529	29·651	31st	29·312	20th & 24th.	·339	81·1	88·0	+2·1	78·6	+0·3	83·3	+1·2	9·4	91·2	4 days	74·8	11th	16·4
	Gauhati . .	195	29·408		29·557	29·612	31st	29·241	20th	·371	82·3	91·2		79·2		85·2		12·0	96·0	27th	77·1	31st	18·9
	Tezpur . .	252	29·347		29·556	29·532	31st	29·211	25th	·321	80·8	90·3		78·1		84·2		12·2	95·6	23rd & 26th.	75·9	24th & 25th.	19·7
	Dibrugarh .	353	29·248		29·559	29·413	31st	29·127	25th	·286	79·3	88·9		75·9		82·4		13·0	96·4	26th & 27th.	72·0	15th & 16th.	24·4
	IV.—Bengal and Orissa.			—·024								89·6	+1·2	79·2	+0·8	84·4	+1·0	10·4					17·6
6	Chittagong .	87	29·550	—·028	29·585	29·785	31st	29·302	25th	·483	80·0	86·2	+0·5	76·9	+0·3	81·6	+0·4	9·3	89·1	4 days.	74·4	8th	14·7
	Noakhali . .	43	29·576		29·565	29·799	31st	29·343	25th	·456	81·0	85·9		78·5		82·2		7·4	88·8	13th	76·0	8th & 14th.	12·8
	Comilla . .	36	29·576		29·562	29·787	31st	29·392	25th	·395	82·3	89·1		78·1		83·6		11·0	93·8	20th	75·3	30th	18·5
	Sirajganj . .	49	29·514		29·513	29·711	31st	29·342	26th	·369	82·2	88·8		79·4		84·1		9·4	91·8	6th & 8th.	77·2	30th & 31st.	14·6
	Narayanganj .	26	29·584	—·014	29·558	29·797	31st	29·410	25th	·387	83·1	90·1	+1·8	79·8	+0·6	85·0	+1·2	10·3	92·6	16th, 21st & 26th.	71·8	31st	20·8
	Barisal . .	12	29·582	—·013	29·550	29·818	31st	29·363	25th	·455	83·4	88·5	+1·2	79·2	+0·6	83·9	+0·9	9·3	90·8	4 days	75·6	14th	15·2
	Mymensingh .	63	29·544	—·025	29·556	29·747	31st	29·377	26th	·370	83·2	89·7	+2·6	79·2	+0·9	84·5	+1·8	10·5	93·2	21st & 23rd.	76·1	25th	17·1
	Faridpur . .	46	29·552		29·546	29·753	31st	29·353	26th	·400	82·8	89·1		79·0		84·1		10·1	91·8	16th	75·9	29th & 30th.	15·9
10	Jessore . .	33	29·543	—·029	29·523	29·758	31st	29·257	26th	·501	84·0	90·5	+1·3	79·8	+0·8	85·2	+1·1	10·7	94·0	16th	77·7	23rd	16·3
	Calcutta (Alipore)	21	29·544	—·025	29·510	29·770	31st	29·318	26th	·452	83·1	89·8	+1·8	79·4	+0·9	84·6	+1·4	10·4	92·9	14th & 15th.	74·4	2nd	18·5
	Saugor Island .	25	29·545	—·018	29·514	29·764	31st	29·316	21st	·448	83·9	89·7	+1·9	80·8	+0·2	85·3	+1·1	8·9	95·4	17th	76·6	1st & 31st	18·8

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

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

NOTE 2.—The data from which divisional means of the figure columns Nos. 40, 42 and 44

NOTE 3.—The barometric readings are not reduced to sea-level in the cases of hill or plateau

I.

in India, Burma, etc., in July, 1906.

Wind Direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	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 h. Mean humidity at 8 h.	Departure from normal.	Mean vapour tension at 8 h.	Departure from normal.	Cloud. Mean cloud amount at 8 h.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 31st July 1906.	Normal rainfall for period, 1st May to 31st July.	Departure from normal of period, 1st May to 31st July 1906.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
														92	0	·936	+·027	8·3	−0·4				26·86	31·41	−2·93					I.—Burma Coast and Bay Islands.
					4	22	5		S 46° W	24·0			24·5	91		·978		9·4		18			12·32			32·28			3·61	Car Nicobar
					2	14	15		S 64° W	11·5	11·0	+ 5		88	+ 1	·945	+·018	7·9	−0·6	19			9·75	15·68	− 5·93	60·52	51·42	+ 9·10	1·68	Slipper Island, Port Blair.
26			2		1	1	1		S 18° E	1·9	1·8	+ 6	1·7	95	+ 3	·890	+·015	5·5	−2·0	27	25·60	+1·40	35·13	31·50	+ 3·63	89·86	81·05	+ 8·81	3·30	Mergui.
31									Calm	1·8				93	+ 1	·884	+·015	6·6	−1·6	26	28·00	−2·00	42·75	46·83	− 4·08	111·52	112·76	− 1·24	4·75	Tavoy.
17		1	1	2	5	5			S 3° W	3·4	3·8	− 11	3·8	95	+ 2	·900	+·028	9·4	+0·9	29	28·20	+0·80	55·62	45·96	+ 9·66	106·86	101·74	+ 5·12	7·59	Moulmein.
8				6	15		2		S 7° E	4·1	5·5	− 25	3·7	90	− 4	·927	+·014	8·9	−0·1	20	25·70	−5·70	15·45	20·98	− 5·53	42·86	49·72	− 6·86	2·16	Rangoon.
4				1	14	12			S 18° W	4·9	4·0	+ 23		94	0	·953	+·034	8·7	−0·1	25	26·80	−1·80	21·23	25·46	− 4·23	45·25	59·18	−13·93	2·80	Bassein.
2				2	3	20	4		S 41° W	10·4	8·9	+ 17	10·4	86	0?	·949	+·052	8·1	−0·7	17	24·00	−7·00	19·42	25·80	− 6·38	62·88	59·40	+ 3·48	2·81	Diamond Island.
3			7	10	7	3	1		S 34° E	6·4	3·8	+ 68	6·1	94	0	·985	+·025	8·5	+0·2	25	27·80	−2·80	44·08	52·62	− 8·54	101·54	109·29	− 7·75	4·84	Akyab.
2				13	10	6			S 12° E	10·4	4·8	+117	10·3	90	− 2	·930	+·036	9·6	+0·3	21	25·00	−4·00	12·87	17·89	− 5·02	29·27	38·32	− 9·05	2·12	Toungoo.
														86	+ 2	·911	+ ·041	7·6	−0·3				8·64	6·67	−1·02					II.—Burma Inland.
					31				S	7·1	6·7	+ 6		86	+ 1	·916	+·043	7·5	−0·6	15	15·20	−0·20	5·07	6·87	− 1·80	19·64	17·34	+ 2·30	0·85	Thayetmyo.
				30	1				S 44° E	8·0			9·5	85	+ 2	·912	+·039	5·9	−0·5	7	8·80	−1·80	1·78	4·34	−2·56	16·82	14·89	+ 1·93	0·63	Minbu.
4				14	13				S 23° E	7·9			8·3	86	+ 2	·858	+·024	9·2	+4·2	9	9·60	−0·60	2·93	4·12	− 1·19	13·49	15·14	− 1·65	0·48	Yamethin.
12		1		5	11	2			S 10° E	1·8			1·9	80		·912		8·8		1	3·60	−2·60	0·35	2·61	− 2·26	11·95	11·41	+ 0·54	0·21	Monywa.
				4	25	2			S 3° E	11·6			11·7	80	+ 5	·906	+·063	3·9	−4·3	4	6·20	−2·20	3·56	3·05	+ 0·51	13·21	14·39	− 1·18	1·75	Mandalay.
1		15	15						N 67° E	3·3			3·4	92		·946		9·7		20			26·60			40·64			3·75	Myitkyina.
30						1			S 45° W	5·6			6·6	93	+ 1	·930	+·034	8·3	−0·4	20	21·50	−1·50	20·20	19·01	+ 1·19	49·45	39·19	+10·26	6·09	Bhamo.
		1		4	5	19	1	1	S 30° W	3·8				89		·690		7·1		11	12·10	−1·10	6·78	7·97	− 1·19	25·79	25·60	+ 0·19	1·87	Maymyo.
4		5	2	1	6	11	2		S 18° W	5·2				89	− 1	·756	+·032	8·1	−0·8	14			6·32	14·71	− 8·39	25·54	31·54	− 6·00	1·63	Lashio.
														90	−2	·960	+ ·014	8·0	−1·0				16·35	16·03	+0·32					III.—Assam.
31									Calm	0·1	3·1	− 97	0·2	87	− 3	·965	+·018	7·2	−2·0	22	22·50	−0·50	11·77	18·43	− 6·66	45·26	57·66	−12·40	2·06	Silchar.
6	2	4		2	2	12		3	S 52° W	2·6	2·8	− 7	2·4	90	− 3	·966	−·009	8·2	−0·7	13	19·20	−6·20	11·22	17·12	− 5·90	46·50	43·33	+ 3·17	2·18	Sibsagar.
2		5	5	5	8	6			S 33° E	4·7	3·9	+ 21	5·0	92	+ 1	·976	+·032	8·1	−0·3	17	15·80	+1·20	34·58	15·49	+19·09	61·81	54·09	+ 7·72	6·25	Dhubri.
23	2	2		1	2		1		N 57° E	1·2			1·3	88		·974		8·4		14	14·80	−0·80	11·35	10·83	+ 0·52	37·54	31·81	+ 5·73	1·62	Gauhati.
29		1	1						N 66° E	2·2			2·3	91		·958		8·0		19	17·20	+1·80	13·08	13·33	− 0·25	28·75	35·32	− 6·57	2·06	Tezpur.
27		1			2	1			S	0·3			0·3	92		·923		7·8		21	20·40	+0·60	16·08	21·00	− 4·92	37·81	54·63	−16·79	2·11	Dibrugarh.
														88	−1	·982	+·025	7·2	−0·5				13·49	14·56	−1·03					IV.—Bengal and Orissa.
		2	15	7	5	2			S 18° E	8·7	7·2	+ 21	7·9	90	+ 1	·920	0	7·8	−0·5	17	19·45	−2·45	27·64	19·94	+ 7·70	54·75	52·01	+ 2·74	3·70	Chittagong.
		2	4	19	6				S 2° E	6·9			7·5	90		·954		6·7		25	22·81	+2·19	21·87	22·10	− 0·23	57·35	55·45	+ 1·90	3·47	Noakhali.
		3	13	14	1				S 27° E	6·9			5·8	88		·976		5·0		18	19·07	−1·07	8·64	17·05	− 8·41	34·70	45·97	−11·27	2·35	Comilla.
10		3	4	14					S 19° E	5·4			5·3	89		·989		8·4		14	14·26	−0·26	11·05	11·30	− 0·25	24·96	30·82	− 5·86	2·65	Sirajganj.
1		5	13	2	9	1			S 21° E	7·2	7·3	− 1	4·1	90	0	1·024	+·043	8·4	−0·3	17	17·78	−0·78	10·14	12·31	− 2·17	30·96	34·39	− 3·43	1·40	Narayanganj
10	1		4	15	1				S 5° E	4·2			3·7	88	0	1·004	+·025	5·5	−3·4	18	20·58	−2·58	7·45	15·02	− 7·57	24·71	39·23	−14·52	1·09	Barisal.
4		5	9	9	4				S 27°E	3·9			3·4	88	− 3	1·007	+·047	8·5	+0·6	18	19·65	−1·65	9·25	15·33	− 6·08	37·15	45·63	− 8·48	1·61	Mymensingh.
3		3	9	14	2				S 20° E	5·5			4·7	89		1·008		7·4		17	17·13	−0·13	11·28	12·47	− 1·19	29·91	33·52	− 3·61	2·37	Faridpur.
28	1	1	2	1					S 56° E	2·0*	4·6	− 57	2·0*	88	− 2	1·024	+·021	6·2	−2·2	13	17·52	−4·52	5·89	12·02	− 6·13	20·50	32·52	−12·02	1·40	Jessore.
1	1	1	3	6	6	11	2		S 7° W	5·2	5·3	− 2		88	− 1	·998	+·031	8·2	−0·2	17	18·96	−1·96	12·69	12·27	+ 0·42	23·05	29·30	− 6·25	3·18	Calcutta (Alipore).
		2	4	2	8	10	3	2	S 20° W	19·2	14·2	+ 35		87	− 1	1·006	+·010	8·5	−0·8	17	16·74	+0·26	10·38	15·95	− 5·57	22·96	31·06	− 8·10	2·64	Saugor Island

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

are derived are incomplete.

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

*Mean of 30 days.

Table

Abstract of Observations taken at 8 h. at 231 Stations

Number of rainfall division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 h. in inches.								Temperature of air.												
			Mean 8 h. pressure reduced to 32°.	Departure from normal.	Mean 8 h. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 h. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
10	Krishnagar	47	29·515		29·510	29·714	11th & 31st.	29·226	26th	·488	2·7	91·0		80·0		85·5		11·0	94·1	16th	79·0	6 days	15·1
	Midnapore	149	29·408		29·503	29·613	31st	29·230	21st	·383	82·6	90·3		79·5		84·9		10·8	93·3	14th & 15th	75·7	2nd	17·6
11	Bankura	213	29·232		29·494	29·641	31st	28·982	24th	·359	82·6	91·0		78·9		85·0		12·1	95·6	6th	76·7	21d & 28th.	18·9
	Raniganj	334	29·224		29·507	29·430	31st	29·008	26th	·362	81·8	90·8		78·9		84·9		11·9	95·5	12th	75·9	27th	19·6
	Burdwan	99	29·461	−·028	29·508	29·677	31st	29·244	26th	·433	82·8	91·0	+0·8	79·5	+0·1	85·2	+0·5	11·5	94·4	16th	76·8	2nd	17·6
	Naya Dumka	489	29·065		29·508	29·265	31st	28·907	28th	·358	82·1	89·7		78·4		84·1		11·3	93·5	5th & 6th	74·9	28th	18·6
	Berhampore	67	29·494	−·035	29·510	29·701	31st	29·293	20th	·408	83·0	91·0	+1·6	79·6	+0·8	85·3	+1·2	11·4	93·8	5th & 21st.	77·2	28th	16·6
	Rampur Boalia	70	29·498		29·517	29·692	31st	29·303	26th	·389	83·6	90·0		79·8		84·9		10·2	93·1	5th & 8th	77·1	1st	16·0
	Malda	72	29·485		29·488	29·663	31st	29·312	24th	·351	82·8	90·0		79·5*		84·7*		10·5	95·6	21st	69·6	21st	26·0
	Bogra	61	29·509	−·025	29·522	29·691	31st	29·355	26th	·336	82·6	90·4	+1·3	79·6	+1·1	85·0	+1·2	10·8	94·2	21st	76·7	15th	17·5
12	Dinajpur	123	29·444	−·030	29·521	29·695	31st	29·256	24th	·339	82·6	90·1	+1·0	79·5	+0·6	84·8	+0·8	10·6	95·8	21st	77·0	2nd	18·8
	Rangpur	123	29·462		29·529	29·648	31st	29·317	24th	·331	82·9	89·8		80·1		85·0		9·7	95·1	21st	76·6	11th & 15th.	18·5
	Jalpaiguri	284	29·303	−·027	29·543	29·461	11th	29·142	24th	·319	81·4	88·8	+0·6	78·2	+1·4	83·5	+1·0	10·6	94·4	21st	75·6	3 days.	18·8
	Cooch Behar	156	29·432		29·542	29·627	31st	29·269	24th	·358	82·0	89·9		78·7		84·3		11·2	95·4	21st & 22th.	76·1	16th	19·3
17	Purnea	125	29·437	−·032	29·516	29·617	31st	29·280	24th	·337	83·1	90·2	+0·2	79·7	+1·0	85·0	+0·6	10·5	94·2	21st	76·7	16th	17·5
14	Balasore	50	29·518	−·014	29·510	29·725	31st	29·277	21st	·448	82·5	89·3	+0·8	79·1	+0·7	84·2	+0·8	10·2	93·9	16th	75·4	23rd	18·5
	Angul	455	29·120		29·531	29·525	31st	28·863	21st	·662	81·7	89·5		77·5		83·5		12·0	94·1	6th	75·0	23rd	19·1
	False Point	21	29·568	−·019	29·530	29·783	31st	29·228	21st	·555	84·3	88·2	+0·6	79·5	+0·9	83·9	+0·8	8·7	92·1	15th, 16th & 20th.	76·4	3rd	15·7
	Cuttack	80	29·502	−·019	29·525	29·717	31st	29·198	21st	·519	82·9	90·8	+1·0	79·5	+0·9	85·2	+1·0	11·3	95·4	14th	75·7	25rd	19·7
	Puri	24	29·573		29·536	29·779	31st	29·248	21st	·531	84·1	88·4		80·8		84·6		7·6	91·6	16th & 17th.	76·6	9th	15·0
	V.—Gangetic Plain and Chota Nagpur.			−·035								90·6	+0·3	79·0	+0·5	84·8	+0·4	11·6					20·3
15	Hazaribagh	2,007	27·560	−·034	29·499	27·750	31st	27·303	27th	·387	77·0	86·9	+2·5	74·8	+1·1	80·9	+1·7	12·1	91·7	6th	72·3	29th	19·4
	Ranchi	2,128	27·451	−·021	29·510	27·645	31st	27·257	27th	·388	76·7	85·3	+1·3	73·8	+0·9	79·6	+1·1	11·5	90·2	6th	71·9	22rd, 28th & 29th.	18·3
	Daltonganj	*730*	28·796		29·477	28·993	31st	28·614	14th	·349	81·0	91·3		72·5		84·9		12·8	95·6	4 days	75·0	28th	20·6
	Purulia	*816*	28·738		29·494	28·931	31st	28·510	27th	·415	80·8	90·6		77·8		84·2		12·8	95·6	6th	74·4	15th	21·2
	Chaibassa	*760*	28·784	−·027	29·510	28·985	31st	28·607	27th	·378	80·8	90·6	+1·0	77·9	+0·4	84·3	+0·7	12·7	95·9	6th	73·2	3rd	20·7
16	Gaya	375	29·155	−·039	29·480	29·349	31st	28·976	28th	·373	83·6	92·2	+0·8	77·5†	?	85·1†	?	14·7	98·0	21st	75·8	1st	24·2
	Dehri	351	29·175		29·477	29·364	31st	29·021	28th	·343	84·0	91·4		80·6		85·7		11·4	98·4	21st	76·0	14th	22·4
	Patna	183	29·345	−·045	29·480	29·526	31st	29·195	28th	·331	83·8	90·9	+0·8	80·2	+0·4	85·5	+0·6	10·7	97·5	6th	77·2	15th	20·3
	Arrah	190	29·348		29·479	29·629	31st	29·189	21th	·340	83·2	90·9		80·6		85·4		10·9	96·9	6th	76·2	13th	20·7
	Buxar	289	29·280		29·473	29·457	31st	29·135	24th	·322	82·8	89·6		78·8		84·2		10·8	94·0	6th, 19th & 26th.	76·1	1st, 3rd & 14th.	17·9
17	Bhagalpur	160	29·391		29·502	29·576	31st	29·232	28th	·344	84·3	90·8		79·7		85·3		11·1	95·7	6th	76·6	29th	19·1
	Darbhanga	165	29·384	−·032	29·502	29·569	31st	29·219	28th	·350	82·2	90·1	+0·6	79·6	−0·2	84·9	+0·2	10·5	95·6	6th	76·8	6th, 16th & 17th.	18·8
	Muzaffarpur	178	29·368		29·500	29·552	31st	29·209	28th	·343	82·9	90·0		80·0		85·0		10·0	95·7	6th	77·0	14th	18·7
	Motihari	224	29·314		29·496	29·494	31st	29·174	28th	·320	82·1	90·6		79·6		85·1		11·0	95·4	6th	76·3	1st, 14th & 17th.	19·1
	Chapra	181	29·345		29·472	29·578	18th	29·188	28th	·390	83·3	91·0		79·8		85·4		11·2	95·4	6th	75·6	13th	19·8
18	Benares	267	29·247	−·040	29·466	29·416	31st	29·100	24th	·316	84·0	91·6	+0·4	79·7	+0·1	85·7	+0·3	11·9	96·1	19th, 25th & 26th.	75·1	20th	21·0
	Allahabad	309	29·203	−·042	29·464	29·383	31st	29·056	24th	·327	84·2	91·7	+0·1	79·9	+0·5	85·8	+0·3	11·8	98·1	21st & 25th.	76·0	29th	22·1
23	Gorakhpur	257	29·268	−·036	29·480	29·423	31st	29·140	24th	·283	83·2	90·3	−0·8	79·4	0	84·9	−0·4	10·9	95·2	21st, 26th & 27th.	77·0	5 days	18·2
19	Lucknow	368	29·143	−·040	29·467	29·264	31st	29·009	24th	·285	82·6	91·2	−1·0	79·4	+0·1	85·3	−0·5	11·8	96·8	21st & 22rd.	75·3	12th	21·5
20	Bahraich	401	29·112	−·044	29·469	29·266	31st	28·952	24th	·274	83·4	91·1	−0·2	79·7	+0·9	85·4	+0·4	11·4	95·6	4 days	76·5	1st	19·1
21	Cawnpore	416	29·095	−·026	29·466	29·246	31st	28·957	24th	·289	83·4	91·5	−1·0	80·3	+0·7	85·9	−0·2	11·2	97·9	22nd	76·7	8th	21·2
	Mainpuri	516	29·001	−·026	29·469	29·133	31st	28·882	24th	·251	84·2	93·0	+0·3	80·9	+1·4	87·0	+0·9	12·1	100·3	25th	77·3	10th	23·0

* Mean of 30 days. † Mean of 28 days.

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

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

NOTE 2.—The data from which divisional means of the figure columns Nos. 40, 42 and 44

I—*continued.*

in India, Burma, etc., in July, 1906—continued.

Wind Direction. Number of winds from. Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	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 h. Mean humidity at 8 h.	Departure from normal.	Mean vapour tension at 8 h.	Departure from normal.	Cloud. Mean cloud amount at 8 h.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 31st July, 1906.	Normal rainfall for period, 1st May to 31st July.	Departure from normal of period, 1st May to 31st July, 1906.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
3	1	1	2	8	11	4		1	S 16° E	2·2			2·4	90		1·009		7·4		15	15·87	− 0·87	8·17	10·36	— 2·19	22·80	26·79	− 3·99	1·91	Krishnagar.
3	2	4	1	4	14		2	1	S 20° E	4·7			3·9	86		·918		5·2		16	15·95	+ 0·05	16·52	12·56	+ 3·96	28·48	28·76	− 0·28	3·64	Midnapore.
7		3	13	1		1	5	1	N 84° E	4·9			4·3	84		·928		6·3		13	16·46	− 3·46	14·86	12·87	+ 1·99	23·89	27·08	− 3·19	2·90	Bankura.
21			4	3		2		1	S 53° E	2·0			1·5	88		·963		7·5		10	16·39	− 6·39	6·88	14·15	— 7·27	12·59	27·85	−15·26	1·43	Raniganj.
9	3	2	4	2	6	8	2		S 6° W	3·3	4·3	−23	3·3	87	+ 1	·983	+·041	8·9	+0·7	12	16·10	− 4·10	12·30	12·48	− 0·18	23·57	28·75	− 5·18	3·57	Burdwan.
21		2	4	1	3				S 72° E	2·0			1·7	87		·962		6·0		16	18·72	− 2·72	9·70	14·14	− 4·44	19·57	27·70	− 8·13	3·50	Naya Dumka
3	1		7	7	13				S 35° E	4·5	5·0	−10	5·6	88	− 4	1·001	+·008	9·0	+0·2	12	15·71	− 2·71	7·80	10·51	— 2·71	17·55	25·46	— 7·91	1·86	Berhampore.
25			1	2	3				S 11° W	2·2			2·3	85		·985		6·6		15	15·15	− 0·15	8·39	11·46	— 3·07	18·48	27·70	— 9·22	1·90	Rampur Boalia.
		2	3	12	9	3	1	1	S 27° E	P				90		1·018		6·5		14	15·45	− 1·45	6·92	11·07	− 4·15	18·04	24·81	− 6·77	1·26	Malda.
23			3		5				S 31° E	2·0			1·7	88	− 1	·983	+·004	8·6	+0·4	17	15·91	+ 1·06	10·76	12·64	— 1·88	25·46	33·58	− 8·12	2·64	Bogra.
2		1	7	9	8	2		2	S 38° E	3·6			3·5	89	− 1	·994	+·024	8·0	−0·4	18	16·38	+ 1·62	17·95	14·38	+ 3·57	37·92	36·00	+ 1·92	3·20	Dinajpur.
6		1	5	7	7	3	2		S 28° E	2·8			2·6	87		·983		6·6		12	15·42	− 3·42	22·99	16·01	+ 6·98	45·43	46·33	− 0·90	7·03	Rangpur.
27			2	2					S 72° E	0·6			0·8	91	− 1	·984	+·035	7·8	− 0·7	25	20·16	+ 4·84	36·70	33·38	+ 3·32	56·94	68·28	−11·34	4·50	Jalpaiguri.
10		2	9	5	1	1	2	1	S 75° E	1·6			1·7	83		·958		8·0		20	18·79	+ 1·21	44·36	25·58	+ 18·78	104·37	72·99	+31·38	7·32	Cooch Behar.
2		5	5	15	2	1		1	S 63° E	3·5	2·9	+21	3·1	90	+ 1	1·023	+·052	7·8	+0·6	17	17·13	− 0·13	14·78	14·56	+ 0·22	30·20	29·35	+ 0·85	2·56	Purnea.
3		4	2		5	12	4	1	S 39° W	6·5			4·8	83	− 5	·927	−·043	6·8	−1·4	15	0·06	−14·94	9·55	11·68	— 2·13	20·85	28·97	− 8·12	2·51	Balasore.
13		2	3	2		3	6	2	S 76° W	6·4†			5·7†	83		·907		4·7		15			12·54			16·74			2·56	Angul.
	1	1	3	1	3	14	8		S 49° W	10·3	10·5	− 2	10·7	84	− 3	·994	+·028	8·1	−0·3	9	14·90	− 5·90	4·30	11·89	− 7·59	12·83	25·42	−12·59	1·05	False Point.
9		2	2			5	13		S 81° W	3·2	3·2	0		85	+ 4	·962	+·071	6·7	−0·8	15	16·13	− 1·13	10·19	11·46	— 1·27	23·29	26·52	− 3·23	1·90	Cuttack.
5	4	2				19	1		S 58° W	14·9*			13·9*	86		1·016		6·4		9	11·74	− 2·74	6·12	9·96	— 3·84	15·34	20·84	− 5·50	3·45	Puri.
														86	0	·960	+·028	6·9					13·59	12·30	+1·29					V.—Gangetic Plain and Chota Nagpur.
	2	1	3	2	8	6	5	4	S 41° W	8·7	8·4	+ 4	7·7	84	− 3	·803	+·003	8·8	−0·6	19	18·74	+ 0·26	6·99	14·41	− 7·42	14·35	25·85	−11·50	1·66	Hazaribagh.
	1	2	3	2	4	9	7	3	S 55° W	7·0			8·2	88	0	·806	+·010	8·5	+0·5	17	19·10	− 2·10	12·48	15·81	— 3·33	22·36	28·25	− 5·89	4·56	Ranchi.
15	1	1	6		1	6	1		S 27° E	5·9			4·8	87		·929		6·5		18	16·16	+ 1·84	22·30	12·51	+ 9·79	28·19	19·65	+ 8·54	10·23	Daltonganj.
3	1	3	2	3	5	8	4	2	S 32° W	4·7			3·9	89		·937		6·5		16	17·42	− 1·42	16·49	12·23	+ 4·26	27·84	25·22	+ 2·62	5·69	Purulia.
19		2		1	2	4	3		S 45° W	?			7	84	− 1	·883	−·015	6·6	−1·1	12	16·68	− 4·68	15·02	12·34	+ 2·68	21·07	25·19	− 4·12	4·80	Chaibassa.
10	1	8		4	2	2	3	1	N 72° E	3·9	2·9	+34	3·1	85	+ 1	·983	+·054	6·8	−2·2	15	15·68	− 0·68	9·52	13·67	— 4·15	17·58	22·08	− 4·50	1·95	Gaya.
	5	1	6	4	5	8	1	1	S 16° E	7·5			6·6	84		·964		5·7		15	14·72	+ 0·28	12·06	11·64	+ 0·42	18·07	18·99	− 0·92	2·76	Dehri.
1			15	4	3	4	2	2	S 60° E	6·6	3·6	+83	7·5	86	0	·991	+·025	8·5	−0·1	13	14·16	− 1·16	15·21	12·66	+ 2·55	21·65	23·13	− 1·48	5·07	Patna.
18		4	2	1	3	1	1	1	S 72° E	1·8			1·8	85		·967		3·7		14	15·13	− 1·13	11·33	13·35	— 2·02	17·54	21·77	− 4·23	2·80	Arrah.
2	1		16	2	3	3	4		S 61° E	5·8			5·5	87		·978		7·7		17	14·39	+ 2·61	12·16	11·78	+ 0·38	17·14	18·04	− 0·90	4·60	Buxar.
9		2	6	6	5	3			S 45° E	3·6			3·2	89		1·047		7·8		13	15·39	− 2·39	11·18	12·22	— 1·04	21·95	23·29	− 1·34	2·26	Bhagalpur.
21		4	5			1			N 74° E	3·2	5·0	−36	2·8	89	+ 1	·992	+·023	7·3	+0·2	15	14·37	+ 0·63	16·65	11·81	+ 4·84	24·24	23·02	+ 1·22	2·86	Darbhanga.
15			7	7			1	1	S 68° E	3·5				90		1·007		4·7		15	14·39	+ 0·61	17·49	11·90	+ 5·59	25·92	21·55	+ 4·37	3·61	Muzaffarpur
13	1	5	8	2		1	1		N 80° E	3·5			3·1	90		·982		6·3		17	12·48	+ 4·52	17·24	12·49	+ 4·75	32·02	24·04	+ 7·98	3·25	Motihari.
16	2		9	X	3				S 79° E	3·1			2·8	89		1·008		5·8		14	14·23	− 0·23	15·44	11·29	+ 4·15	23·29	19·04	+ 4·25	4·50	Chapra.
5		3	4	2	1	11	2	3	S 36° W	2·9	4·8	−40	3·3	84	− 2	·994	+·032	7·9	−0·1	15	14·60	+ 0·40	14·82	11·45	+ 3·37	21·10	18·32	+ 2·78	3·20	Benares.
2		6	6	1	2	3	9	2	N 61° W	6·4†	6·3	+ 2	5·3†	81	− 3	·966	+·025	8·4	+0·2	13	13·30	− 0·30	10·06	12·15	− 2·09	12·96	16·86	− 5·90	3·31	Allahabad.
17		6	5	1	1		1		N 72° E	0·9	2·8	−68		89	+ 3	1·010	+·059	7·2	+1·3	16	14·70	+ 1·30	16·22	13·75	+ 2·47	21·09	24·18	− 3·18	3·50	Gorakhpur.
15			1	10	1	3		1	S 29° W	2·9	3·9	−26	3·2	88	+ 4	·980	+·039	7·5	−0·4	20	14·10	+ 5·90	20·68	11·53	+ 9·15	28·43	18·25	+10·18	4·90	Lucknow.
8		2	11	5	1	1	1	2	S 79° E	3·5			3·3	87	+ 2	1·002	+·045	7·5	+0·8	15	12·80	+ 2·20	13·75	11·86	+ 1·89	21·57	20·34	+ 1·23	2·83	Bahraich.
4		3	8	2	1	8	4	1	S 13° E	3·7				85	+ 3	·971	+·030	4·7	−2·7	15	12·10	+ 2·90	6·97	10·96	− 3·99	13·60	15·36	− 1·76	1·98	Cawnpore.
2	1	3	6	3		4	7	5	N 61° W	3·2			3·2	81	− 1	·958	+·030	6·3	−0·7	6	10·20	− 4·20	4·92	8·75	— 3·83	9·44	13·91	− 4·47	2·17	Mainpuri.

‡ Mean of 20 days.

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

Table

Abstract of Observations taken at 8 h. at 231 Stations

Number of rainfall division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 h. in inches.								Temperature of air.											
			Mean 8 h. pressure reduced to 32°.	Departure from normal.	Mean 8 h. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 h. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	VI.—Upper Sub-Himalayas.			−·036								96·3	+1·3	80·3	+1·4	88·3	+1·4	16·0					21·0
24	Bareilly	568																					
	Dehra Dun	2,233	27·341	−·035	29·497	27·503	31st	27·229	28th	·274	77·8	86·8	+1·3	74·4	+0·3	80·6	+0·8	12·4	90·5	16th	71·0	10th	19·5
	Roorkee	899	28·622	−·031	29·478	28·797	31st	28·517	28th	·280	83·1	91·5	−0·6	78·9	+0·7	85·2	+0·1	12·6	96·9	17th	73·6	7th & 11th.	23·3
22	Meerut	738	28·766	−·037	29·460	28·938	31st	28·662	24th	·277	83·9	93·7	+0·9	60·3	+0·9	87·0	+0·9	13·4	100·1	16th	73·3	1st	26·8
26	Delhi	718	28·796	−·026	29·469	28·960	31st	28·699	24th	·261	85·2	95·4	+1·4	81·3	+0·6	88·4	+1·0	14·1	104·7	18th	73·1	1st	31·6
28	Lahore	702	28·766	−·042	29·422	28·895	31st	28·662	20th	·233	85·2	102·7	+2·1	63·6	+4·2	93·2	+3·2	19·1	111·4	19th	73·2	3rd	38·2
27	Sirsa	662	28·821	−·036	29·434	28·991	31st	28·706	20th	·285	89·3	102·9	+2·4	84·4	+2·6	93·7	+2·5	18·5	112·3	19th	75·1	2nd	37·2
	Patiala	*818*	28·684		29·457	28·859	31st	28·585	20th	·274	85·5	95·9		80·0		88·0		15·9	105·0	18th	73·4	12th	31·6
29	Ludhiana	812	28·674	−·045	29·440?	28·824	31st	28·573	20th	·251	86·0	98·6	+1·6	82·6	+2·3	90·6	+2·0	16·0	107·9	18th	75·1	1st	32·8
	Sialkot	830	28·651	−·038	29·437	28·792	31st	28·529	15th	·263	87·2	99·2	+1·6	81·7	+2·2	90·5	+1·9	17·5	105·7	18th	71·1	3rd	34·6
	Ambala	892	28·602	−·042	29·450	28·775	31st	28·501	20th	·274	84·3	95·0	+1·7	79·2	+0·4	87·1	+1·1	15·8	101·5	17th	74·0	29th & 30th	27·5
	Rawalpindi	1,674	27·842	−·029	29·461	27·967	4th	27·726	27th	·241	81·1	97·5	+0·2	76·5	−0·2	87·0	0	21·0	106·5	16th	69·1	4th	37·4
	VII—Indus Valley and N.-W. Rajputana.			−·032								103·0	+2·3	83·9	+2·2	93·4	+2·2	19·1					33·9
32	Peshawar	1,110	28·379	−·035	29·448	28·529	31st	28·244	27th	·285	87·3	104·1	+1·2	80·9	+1·5	92·5	+1·4	23·2	109·7	28th	71·9	16th	37·8
	D. I. Khan	590	28·867	−·045	29·395	29·010	11th	28·729	27th	·281	88·9	102·9	−0·5	84·0	+1·5	93·5	+0·5	18·9	108·2	26th	72·1	3rd	36·1
31	Khushab	612	28·860	−·017	29·428	28·963	31st	28·730	27th	·253	91·0	105·6	+3·0	84·1	+2·0	94·9	+2·5	21·5	111·8	19th	71·4	5th	40·4
	Montgomery	558	28·897	−·026	29·406	29·044	11th	28·786	20th	·258	93·4	107·4	+2·7	86·9	+3·0	97·2	+2·9	20·5	112·3	20th	70·5	3rd	41·8
	Multan	420	29·009	−·051	29·383	29·164	11th	28·873	20th	·291	92·7	107·8	+4·0	88·4	+4·7	98·1	+4·4	19·4	114·5	20th	81·0	5th	33·5
47	Jacobabad	186	29·259	−·029	29·402	29·448	11th	29·078	27th	·370	90·3	110·8	+3·0	86·6	+2·3	98·7	+2·7	24·2	116·6	24th	79·7	26th	36·9
	Hyderabad	96	29·390	−·025	29·438	29·576	11th	29·258	28th	·318	87·0	100·3	+1·4	81·4	+0·6	90·9	+1·0	18·9	110·7	24th	73·0	26th	37·7
	Kurrachee	30	29·500	−·031	29·480	29·658	11th	29·355	28th	·303	85·5	92·8	+2·2	82·8	+2·2	87·8	+2·2	10·0	94·9	4 days	81·3	10th	13·6
51	Bikaner	*771*	28·723	−·053	29·445	28·876	11th	29·533	20th	·283	89·3	104·7	+4·3	85·5	+2·7	95·1	+3·5	19·2	111·0	20th	80·0	11th	31·0
	Pachpadra	*380*	29·166	P	29·486	29·324	31st	29·027	24th	·297	86·1	99·0	+1·3	80·8	+1·2	89·9	+1·3	18·2	108·1	19th	75·1	4th	33·0
	Jodhpur	782	28·770		29·522	28·921	31st	28·638	20th	·283	84·2	97·4		81·0		89·2		16·4	108·2	19th	76·3	28th	31·9
	VIII.—East Rajputana, Central India and Gujarat.			−·023								90·1	+0·1	78·6	+1·0	84·3	+0·6	11·5					22·0
50	Jaipur	1,431	28·132	−·018	29·508	28·297	31st	28·004	24th	·293	83·2	95·0	+1·5	79·1	+0·9	87·1	+1·2	15·9	105·7	20th	75·1	2nd & 12th.	30·6
	Kotah	819?	28·696		29·507	28·865	31st	28·536	24th	·329	83·1	91·7		80·0		85·9		11·7	102·0	19th	75·1	2nd & 3rd.	26·9
	Sambhar	1,254	28·296	−·012	29·496	28·449	31st	28·167	24th	·282	84·3	96·6	+2·3	80·1	+0·9	88·4	+1·6	16·5	106·5	19th	74·4	12th	32·1
	Ajmer	1,611	27·969	−·013	29·521	28·115	31st	27·835	24th	·280	82·2	91·0	−0·3	79·2	+1·9	85·1	+0·8	11·8	97·9	19th	76·6	11th	21·3
	Udaipur	1,925	27·680		29·541	27·831	11th	27·528	24th	·303	78·7	87·0		75·6		81·3		11·4	95·5	19th	72·8	4th	22·7
46	Bhuj	395	29·180	−·017	29·525	29·341	31st	29·060	28th	·281	83·0	90·6	+0·6	79·2	+1·1	84·9	+0·9	11·4	96·6	22nd	75·0	22nd	21·6
	Jamnagar	61	29·530		29·536	29·695	31st	29·410	24th	·285	83·5	93·0*		79·1		86·7*		13·9	94·5	19th	77·2	15th & 24th.	17·3
	Rajkot	429	29·174	−·024	29·551	29·327	31st	29·038	24th	·289	81·6	91·0	+0·4	76·4	+0·6	83·7	+0·5	14·7	96·9	2nd	71·7	29th & 30th.	25·2
	Veraval	*18*	29·614	−·024	29·574	29·767	31st	29·492	24th	·275	81·9	83·8	+0·1	80·1	+0·9	82·0	+0·5	3·7	86·1	5 days	77·3	23rd, 24th & 25th.	8·8
	Dwarka	37?	29·558		29·540	29·719	31st	29·423	24th	·296	83·7	87·1		81·3		84·2		5·8	89·3	4 days	78·2	16th & 17th.	11·1
	Bhavnagar Para	55	29·566	P	29·565	29·728	31st	29·421	24th	·307	83·3	92·3	−1·1	78·6	P	85·4	P	13·7	99·6	16th	76·5	21st, 23rd & 26th.	23·1
49	Nowgong	757	28·778	−·033	29·489	28·952	11th	28·614	24th	·338	81·5	89·0	−0·9	79·3	+1·2	84·2	+0·2	9·7	97·0	19th	76·0	1st & 3rd.	21·0
	Indore	1,823	27·819?	0?	29·593?	27·981	31st	27·652	23rd	·329	75·7	83·1	−1·4	73·2	+0·6	78·2	−0·4	9·9	88·6	18th	71·1	1st & 28th.	17·5
	Neemuch	1,624	27·976	−·017	29·552	28·131	11th	27·814	24th	·317	77·6	86·7	−0·7	74·9	+0·8	80·8	+0·1	11·8	97·0	19th	72·7	3rd	23·3
45	Surat	39	29·600	−·033	29·584	29·763	31st	29·459	24th	·304	80·8	86·5	−0·8	77·9	+0·6	82·2	−0·1	8·6	90·1	14th	78·0	6 days	19·1

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

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

Note 2.—The data from which divisional means of the figure columns Nos. 40, 42 and 44

* Mean of 20 days.

I—*continued.*

in India, Burma, etc., in July, 1906—continued.

Wind Direction. Number of winds from									Resultant direction.	Wind velocity.				Hygrometry, 8 h.				Cloud.		Rainfall								Heaviest rainfall during month.	Station.
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 h.	Departure from normal.	Mean vapour tension at 8 h.	Departure from normal.	Mean cloud amount at 8 h.	Departure from normal.	Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 31st July, 1906.	Normal rainfall for period, 1st May to 31st July.	Departure from normal of period, 1st May to 31st July, 1906.		
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
														76	−2	·903	+·025	4·7	−1·3				9·11	10·73	−1·59					VI.—Upper Sub-Himalayas.
										1·9*	4·1	−54	1·8*							15	13·45	+1·55	15·79	15·47	+0·32	25·08	22·19	+ 2·89	3·35	Bareilly.
30									Calm.	1·3*	1·2	+ 8		88	0	·842	+·035	7·5	−0·5	22	21·20	+0·80	24·10	28·58	−4·48	33·98	40·53	— 6·55	7·07	†† Dehra Dun.
14		2	1	14					S 55° E	2·9	2·9	0	2·9	81	− 1	·911	+·032	5·1	−1·3	11	11·90	−0·90	11·39	12·61	−1·22	28·90	18·74	+10·16	4·57	Roorkee.
21		1	1	2	2	2	1	1	S	1·1	2·3	−52	1·1	78	− 1	·911	+·025	5·4	−1·2	10	9·40	+0·60	10·83	9·35	+1·48	19·80	13·44	+ 6·36	3·37	Meerut.
	1	2	4	10	1	2	7	4	S 31° E	6·1	4·5	+36	5·4	79	+ 4	·947	+·077	5·2	−1·1	13	9·20	+3·80	7·18	8·48	−1·30	13·13	12·61	+ 0·52	2·23	Delhi.
0			11	4	2		3	1	S 68° E	3·4	3·3	+ 3		71	0	·985	P	1·4	−2·9	6	3·30	+2·70	2·46	5·96	−3·50	3·59	8·87	− 5·28	0·62	Lahore.
6				4	5	9	5	2	S 38° W	2·7	4·3	−44	2·3	64	− 3	·876	+·019	3·1	−2·8	4	5·00	−1·00	1·74	4·14	−2·40	3·17	6·64	− 3·47	0·62	Sirsa.
1	1	1	7	11	5	1	3	1	S 45° E	7·1			7·2	78		·915		7·0		9			8·75			11·61			3·05	Patiala.
6	1			19		1		4	S 43° E	1·9	2·0	− 5	1·7	73‡	− 3	·873†	P	4·1	−2·3	8	7·60	+0·40	3·30	9·27	−5·97	4·73	12·90	− 8·17	1·45	Ludhiana.
9		4	13	3			1	1	N 85° E	2·8	2·5	+12	2·4	69	− 5	·891	+·009	2·1	−1·8	6	9·00	−3·00	6·98	8·01	−1·03	7·77	12·12	− 4·35	3·37	Sialkot.
0		1	10	7	1			2	S 75° E	2·5			2·2	81	− 5	·941	+·004	5·6	−0·1	13	9·80	+3·20	8·57	7·65	+0·92	13·03	14·67	− 1·64	3·00	Ambala.
1	2	6	4	5	1			2	N 73° E	3·2	2·1	+52	2·9	70	− 2	·807	−·001	5·2	+1·0	13	9·10	+3·90	8·21	8·53	−0·32	11·58	12·01	− 0·43	1·49	Rawalpindi.
														66	− 2	·893	+·033	3·2	−1·4				1·60	3·02	−1·42					VII.—Indus Valley and N.-W. Rajputana.
5	3	1	3		1	2	2	4	N 32° W	1·8	1·4	−59	2·0	62	− 1	·798	0	3·2	0	2	2·10	−0·10	0·57	1·66	−1·09	1·13	2·71	−1·58	0·45	Peshawar.
3		14		3	1				N 61° E	1·5	2·4	−38	1·6	69	0	·935	+·023	1·8	−0·6	2	3·10	−1·10	2·80	2·38	+0·42	3·74	3·37	+0·37	1·60	D. I. Khan.
2	4	11	3	1	1	2			N 39° E	11·3			10·3	60	− 5	·868	+·021	2·2	−0·5	4	3·50	+0·50	2·42	4·52	−2·10	4·40	7·02	−2·62	0·95	Khushab.
		1	4	6	5	13		2	S 5° W					55	− 5	·857	+·019	0·5	−2·4	2	3·20	−1·20	1·11	2·48	−1·37	2·68	3·89	−1·21	0·59	Montgomery
9	1			4	2	14	1		S 31° W	2·5	3·4	−26	2·3	60	− 2	·909	+·059	0·3	−1·8	0	2·50	−2·50	0·02	2·41	−2·39	0·65	3·33	−2·68	0·02	Multan.
8			3	6	18	1			S 16° E	6·2	5·3	+17	7·8	65	0	·922	+·019	1·1	−1·5	0	1·60	−1·60	0	1·22	−1·22	0·06	1·47	−1·41	0	Jacobabad.
					7	23	1		S 36° W	16·2	13·9	+17	14·4	68	+ 1	·873	+·058	3·6	−2·4	2	3·30	−1·30	2·33	2·70	−0·37	2·88	3·26	−0·38	1·60	Hyderabad.
						9	19	2	S 80° W	16·1	17·8	+10	15·9	79	− 3	·971	+·014	8·3	+1·0	0	3·00	−3·00	0	3·66	−3·66	1·34	4·37	−3·03	0	Kurrachee.
	1	1		1	4	13	9	1	S 57° W		6·7			67	+ 1	·927	+·083	3·2	−1·2	4	4·90	−0·90	1·20	3·39	−2·19	1·92	5·97	−4·05	0·53	Bikaner.
					11	15	4	1	S 36° W	17·2	9·8	+76	16·2	74	− 6	·916	−·008?	2·9	−4·7	4	5·40	−1·40	3·18	4·63	−1·45	3·65	6·75	−3·10	1·49	Pachpadra.
					3	20	8		S 52° W	9·6*			8·2*	72		·850		7·6		5	5·30	−0·30	3·94	4·19	−0·25	4·16	5·95	−1·79	1·79	Jodhpur.
														82	+ 1	·896	+·031	7·3	0				9·05	10·08	−0·78					VIII.—East Rajputana, Central India and Gujarat.
2	1	5	1		3	7	11		N 68° W	6·0	6·2	− 3		75	− 1	·851	+·013	6·1	−0·7	10	10·90	−0·90	5·62	8·66	−3·04	6·95	11·81	−4·86	1·80	Jaipur.
2	1				12	7	3		S 78° W	4·7			3·8	77		·874		6·6		10	10·90	−0·90	17·53	9·85	+7·68	18·62	14·53	+4·09	6·97	Kotah.
3		4	1		1	14	6		N 68° W	8·4	9·1	− 8		71	− 2	·836	+·015	6·0	−0·2	7	8·80	−1·80	7·24	7·23	+0·01	7·82	9·57	−1·75	2·70	Sambhar.
1	1				7	3	19		N 64° W	10·4	6·9	+51	9·0	80	0	·880	+·042	7·2	+1·6	11	9·50	+1·50	7·45	7·42	+0·03	11·13	10·51	+0·62	1·95	Ajmer.
			1	4	5	11	1		S 62° W	5·3			4·7	83		·818		7·9		13	9·50	+3·50	12·62			14·93			3·20	Udaipur.
		1			13	13	4		S 75° W	17·2	16·6	+ 4	14·4	87	+ 7	·988	P	5·7	−2·0	5	6·20	−1·20	4·68	7·47	−2·79	9·11	9·59	−0·48	2·17	Bhuj.
				6	17	8			S 48° W	15·4			15·1	80		·915		5·9		8			7·04			14·00			2·34	Jamnagar.
				4	24	2			S 43° W	13·5	14·5	− 7	13·4	84	+ 1	·901	+·028	7·3	−0·7	10	11·20	−1·20	10·59	13·31	−2·72	12·42	18·65	−6·23	2·48	Rajkot.
1				2	13	13	2		S 70° W	19·8	14·8	+34	19·8	87	− 1	·941	+·009	7·9	−0·7	11	10·90	+0·10	11·68	7·24	+4·44	14·05	12·49	+1·56	4·30	Veraval.
				7	18	5	1		S 44° W	18·8				84		·978		7·4		6			3·67			7·75			1·09	Dwarka.
			1		25	3	1		S 49° W	10·6			8·9	76	− 4	·865	P	7·4	−0·2	8	10·20	−2·20	7·32	4·73	+2·59	14·86	9·85	+5·01	2·27	Bhavnagar Para.
1	1	2	1	2	6	12	1		S 71° W	1·5	4·2		1·5	84	+ 1	·909	+·024	8·4	+1·4	15	14·80	+0·20	7·00	14·20	−7·20	15·51	22·68	−7·17	1·42	Nowgong.
					5	22	4		S 89° W	8·5	6·8	+25	6·9	87	0	·778	P	10·0	+1·3	17	12·50	+4·50	15·09	9·00	+6·09	24·81	15·94	+8·87	4·37	Indore.
1					14	15	1		S 72° W	13·0	12·2	+ 9	10·9	87	+ 5	·831	+·031	9·0	+2·2	15	10·10	+4·90	12·34	8·96	+3·38	15·25	14·36	+0·89	1·80	Neemuch.
			1	13	7	8	1		S 36° W	9·5	15·7	−39	8·9	90	+ 4	·957	+·044	8·8	+0·8	18	16·10	+1·90	10·51	17·68	−7·17	19·66	27·43	−7·77	2·00	Surat.

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

† Mean of 21 days.

†† Wind observations of 30 days.

Table

Abstract of Observations taken at 8 h. at 231 Stations

Number of rainfall division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 h., in inches.								Temperature of air.												
			Mean 8 h. pressure reduced to 32°.	Departure from normal.	Mean 8 h. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 h. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
45	Ahmedabad	163	29·439	−·035	29·550	29·599	31st	29·273	24th	·326	82·3	90·9	−0·5	79·1	+0·9	85·1	+0·2	11·8	97·2	17th & 19th.	76·7	24, 25th & 30th	20·5
	Deesa	466	29·115	−·021	29·534	29·270	31st	28·976	24th	·294	81·1	91·8	+0·1	78·0	+0·4	84·9	+0·3	13·8	103·3	19th	74·4	25th	28·9
22	Agra	556	28·960	−·032	29·470	29·114	31st	28·835	24th	·279	85·3	94·2	+0·9	82·2	+1·8	88·2	+1·4	12·0	101·5	16th	74·9	1st	26·6
21	Jhansi	858	28·696	−·015	29·507	28·864	11th	28·547	24th	·317	82·6	91·3	+0·1	80·5	+1·7	85·9	+0·9	10·8	101·3	19th	76·1	3rd	25·2
	IX.—Deccan.			−·031								86·2	−0·3	73·8	+0·6	80·0	+0·2	12·4					
38	Belgaum	2,539	27·229	−·025	29·710	27·329	31st	27·085	20th	·244	70·4	75·8	+0·1	67·7	+0·8	71·8	+0·5	8·1	80·3	17th & 18th.	65·8	18th	14·5
	Sholapur	1,590	28·122	−·039	29·659	28·254	31st	27·954	20th	·300	77·5	89·3	−0·2	72·9	+1·2	81·1	+0·5	16·4	97·2	12th	71·0	25& 29th	26·2
	Poona	1,846	27·867	−·028	29·661	28·002	31st	27·733	20th	·269	75·1	81·5	−0·8	71·3	+0·5	76·4	−0·2	10·2	88·0	12th	69·4	18&20th	18·6
	Bijapur	*1,948*	27·786	−·035	29·679	27·920	31st	27·622	20th	·298	75·3	86·1	−0·1	71·0	+0·2	78·6	+0·1	15·1	93·4	12th	69·7	6 days.	23·7
40	Malegaun	1,430	28·220	−·034	29·599	28·372	31st	28·073	20th	·299	78·4	88·0	+0·6	73·8	+0·5	80·9	+0·6	14·2	95·4	19th	72·1	22nd24th & 28th.	23·3
	Ahmednagar	2,154	27·564	?	29·658	27·699	31st	27·398	20th	·301	75·6	85·4	+0·2	71·4	+0·9	78·4	+0·6	14·0	90·9	10th	69·5	21st	21·4
41	Akola	930	28·695	−·042	29·574	28·864	31st	28·531	20th	·333	78·7	88·7	−0·3	74·8	+0·5	81·8	+0·1	13·9	96·9	7th	71·3	10th	25·6
	Amraoti	1,215	28·421	−·020	29·591	28·584	31st	28·183	23rd	·401	76·8	87·2	−0·1	74·0	+0·5	80·7	+0·2	13·2	94·7	7th	70·8	24th	23·9
42	Khandwa	1,044	28·570	−·032	29·571	28·726	31st	28·390	23rd	·336	73·4	86·7	−0·9	75·8	+0·5	81·3	−0·2	10·9	92·7	6th & 7th.	73·1	21st	19·6
	Hoshangabad	1,096	28·579?	−·043?	29·545?	28·743	31st	28·370	23rd	·373	78·0	86·4	−0·3	75·3	+0·1	80·9	−0·1	11·1	92·1	8th,18th& 19th.	72·3	28th	19·8
	Nagpur	1,017	28·592	−·024	29·569	28·758	31st	28·264	23rd	·394	77·9	86·4	−1·4	74·9	−0·2	80·7	−0·8	11·5	92·6	7th	72·6	11th & 26th	20·0
43	Chanda	*634*	28·994	−·029	29·574	29·129	31st	28·953	1st	·196	79·8	88·2	−0·4	76·1	+0·2	82·2	−0·1	12·1	93·5	6th	72·5	24th	21·0
	Seoni	2,033	27·581	−·026	29·550	27·745	31st	27·325	23rd	·420	76·5	84·2	+0·4	74·1	+1·8	79·3	+1·1	9·8	88·8	7th&19th	71·5	3rd	17·3
	Jubbulpore	1,327	28·249	−·022	29·528	28·423	31st	28·026	23rd	·397	78·3	85·5	−0·4	75·5	+0·9	80·5	+0·3	10·0	92·0	18th&19th	72·3	28th & 29th	19·7
	Saugor	1,807	27·774	−·022	29·524	27·938	31st	27·597	23rd	·341	77·4	83·8	−0·4	74·4	+0·5	79·6	+0·1	10·4	91·9	18th	71·1	2nd	20·8
49	Sutna	1,040	28·487	−·038	29·482	28·659	31st	28·316	24th	·343	81·0	87·5	+0·1	78·7	+1·7	83·1	+0·9	8·8	95·0	20th	75·1	3rd	19·9
44	Raipur	970	28·614	−·028	29·533	28·791	31st	28·405	22nd	·386	78·8	86·0	−0·5	74·8	−0·1	80·4	−0·3	11·2	91·6	20th	71·4	23rd	20·2
	Pendra	2,123?	27·549		29·511	27·718	31st	27·359	23rd	·359	76·7	84·1		73·6		78·9		10·5	89·3	20th	71·6	2nd, 3rd & 29th	17·7
	Sambalpur	486	29·084	−·026	29·518	29·291	31st	28·833	22nd	·458	80·8	87·3	−0·2	77·6	+0·2	82·4	+0·1	9·7	92·1	21st	74·6	23rd	17·5
39	Aurangabad	1,905	27·777		29·624	27·928	31st	27·628	20th	·300	75·2	84·6		70·4		77·5		14·2	91·8	8th	67·2	29th & 30th	24·6
	Indur	1,260	28·437		29·647	28·579	31st	28·313	21st	·265	78·5	87·0		74·1		80·6		12·9	93·5	6th	73·2	9 days	20·4
	Bidar	*2,165*	27·569		29·677	27·701	31st	27·419	20th	·282	74·1	84·8		70·9		77·9		13·9	92·1	12th	65·5	16th	26·6
53	Gulbarga	1,503	28·210	−·040	29·664	28·335	31st	28·020	20th	·315	76·4	88·7	−1·1	72·6	+0·8	80·7	−0·2	16·1	96·8	13th	70·3	30th	26·5
	Raichur	1,326?	28·403	−·035	29·678	28·530	31st	28·234	20th	·296	78·2	90·4	+0·3	73·5	+0·4	82·0	+0·4	16·9	96·1	6th	70·1	24th	26·0
	Hyderabad (Deccan).	1,690	28·014	−·028	29·651	28·160	31st	27·826	20th	·234	76·3	87·6	+0·5	73·8	?	80·7	?	13·8	94·3	9th, 12th & 13th.	69·7	13th	24·6
	Hanumkonda	871	28·791		29·606	28·947	31st	28·589	20th	·358	79·5	88·5		76·1		82·3		12·4	93·0	7th & 12th.	72·8	24th	20·2
	X.—West Coast.			−·031								83·0	−0·2	75·5	+0·2	79·3	0	7·5					
37	Bombay	37	29·659	−·043	29·636	29·802	31st	29·511	20th	·291	80·5	84·3	−0·1	77·9	+0·4	81·1	+0·2	6·4	87·5	2nd	75·0	21st	12·5
	Ratnagiri	110	29·638	−·029	29·687	29·757	31st	29·506	20th	·251	78·8	83·1	−0·8	76·3	+0·6	79·7	−0·1	6·8	86·3	6th& 8th	72·9	18th	13·4
	Mormugao	*60*	29·734	?	29·729	29·831	31st	29·596	20th	·235	79·1	83·6	−0·1	76·2	0	79·2	−0·1	7·4	88·0	3rd	73·4	14th	14·6
	Goa	198	29·570	?	29·708	29·673	31st	29·423	20th	·250	79·1	81·9	−0·5	76·6	+0·6	79·3	+0·1	5·3	85·5	7th	74·0	14th,18th & 18th	11·5
	Karwar	44	29·755	−·031	29·733	29·864	31st	29·639	20th	·225	78·6	83·0	0	75·6	+0·5	79·3	+0·3	7·4	86·2	4 days.	72·5	18th	13·7
33	Cochin	10	29·870	−·025	29·806	29·937	31st	29·790	20th	·147	77·4	84·1	+0·6	73·5	−0·6	78·8	0	10·6	90·3	1st & 4th	69·2	24th	21·1
	Calicut	27	29·834	−·031	29·791	29·926	31st	29·736	20th	·190	76·4	81·9	−0·6	73·8	−0·1	77·9	−0·4	8·1	87·3	2nd	71·2	21st & 24th.	16·1
	Mangalore	65	29·772	−·034	29·771	29·874	31st	29·636	20th	·238	78·3	82·8	−0·2	74·9	+0·7	78·9	+0·3	7·9	86·7	3rd	71·4	23rd	15·3
	Trivandrum	198	29·673	−·021	29·803	29·756	31st	29·593	19th	·1	77·0	82·1	0	74·5	−0·7	78·3	−0·4	7·6	85·5	4th&15th	72·0	23rd, 24th & 25th.	13·5

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 the figure columns Nos. 40,

I—*continued.*

in India, Burma, etc., in July, 1906—continued.

Wind Direction. Number of winds from									Wind velocity.				Hygrometry, 8 h.				Cloud.		Rainfall.								Heaviest rainfall during month.	Station.
Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	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 h.	Departure from normal.	Mean vapour tension at 8 h.	Departure from normal.	Mean cloud amount at 8 h.	Departure from normal.	Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 31st July, 1906.	Normal rainfall for period, 1st May to 31st July.	Departure from normal of period, 1st May to 31st July 1906.		
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
					3	23	4	1	S 48° W	6·5			5·6	82	+ 1	·915	+·025	9·1	+0·3	12	13·50	−1·50	13·27	12·59	+0·68	23·66	19·36	+ 4·30	3·79	Ahmedabad
1					9	18	3		S 35° W	12·8*	14·5	−12		85	+ 2	·903	+·037	8·5	0	12	10·73	+1·27	5·56	10·16	−4·60	7·40	12·68	− 5·28	1·25	Deesa.
2		3		11		14		1	S 3° E	6·2	5·0	+24	7·3	79	0	·951	+·029	6·3	−0·7	10	10·80	−0·80	4·55	10·50	−6·05	10·33	14·06	− 3·73	1·05	Agra.
3		2	2	1	1	9	9	4	S 79° W	5·7	4·1	+39	7·0	84	+ 6	·939	+·069	3·5	−3·0	13	13·10	−0·10	8·35	12·12	−3·77	14·28	18·59	− 4·31	2·00	Jhansi.
														83	+1	·785	+·020	7·9	−0·1				12·05	11·05	+0·68					IX.—Deccan.
2						6	20	3	S 86° W	21·4	27·9	−23		94	+ 1	·711	+·029	9·6	+0·3	20	21·80	−1·80	15·95	15·46	+0·49	25·66	26·39	− 0·73	3·30	Belgaum.
						20	10	1	S 62° W	17·0	12·3	+38	16·8	76	+ 4	·717	+·036	8·3	+0·2	6	7·60	−1·60	3·41	4·19	−0·78	8·36	9·55	− 1·19	1·11	Sholapur.
2						18	11		S 62° W	14·4	16·9	−15		82	0	·717	+·008	8·6	−0·2	9	12·50	−3·50	3·80	7·05	−3·25	13·70	13·11	+ 0·59	0·90	Poona.
						14	17		S 70° W	12·3			13·1	83	+ 3	·728	+·030	7·4	−0·7	6	5·10	+0·90	2·04	2·02	+ 0·02	7·85	7·36	+ 0·49	0·68	Bijapur.
		2				8	19	2	S 82° W	10·0	11·8	− 7	11·5	77	− 1	·755	0	4·5	− 3·2	8	7·30	+0·70	5·09	5·00	+ 0·09	10·28	10·17	+ 0·11	2·91	Malegaon.
						21	10		S 59° W	10·1			12·2	78	− 4	·701	−·015	4·1	− 3·7	8	6·40	+1·60	1·71	2·84	− 1·13	9·26	8·86	+ 0·40	0·29	Ahmednagar.
						19	17	4	S 81° W	9·0	8·4	+ 7	7·9	86	+ 7	·837	+·055	9·4	+1·5	13	12·30	+0·70	15·97	10·57	+ 5·40	22·94	16·20	+ 6·74	0·08	Akola.
6						5	20		S 81° W	9·0	7·6	+18	8·1	87	+ 1	·804	+·010	8·2	+0·4	15	12·30	+2·70	11·69	9·88	+ 1·81	23·14	16·33	+ 5·81	2·24	Amraoti
						2	14	15	N 71° W	8·0	8·4	− 5	8·0	85	+ 4	·823	+·037	8·1	+0·6	10	11·10	−1·10	12·33	8·89	+ 3·44	21·56	15·05	+ 6·51	0·46	Khandwa.
1					2	18	9	1	S 59° W	4·9	4·5	+ 9	5·0	90	+ 2	·881	+·029	9·7	+1·3	20	16·10	+3·90	19·34	16·82	+ 2·52	26·80	24·15	+ 2·65	4·54	Hoshangabad.
2	2			1	2	18	6		S 53° W	7·6	10·1	−25	6·0	87	+ 4	·841	+·016	8·2	−0·2	21	15·80	+5·20	14·64	14·66	− 0·02	34·25	23·90	+10·35	5·12	Nagpur.
7					2	12	10		S 61° W	7·1	6·2	+15	6·3	81	+ 3	·839	+·043	7·3	−0·7	15	16·80	−1·81	16·90	18·08	− 1·18	31·05	26·50	+ 4·55	7·29	Chanda.
1	2	3	1		3	10	10	1	S 71° W	8·5	6·2	+37	7·1	87	0	·799	+·010	8·1	−0·1	21	18·60	+2·40	19·25	17·09	+ 2·16	31·24	27·72	+ 3·52	4·69	Seoni.
		1	1	2	1	7	16	3	S 77° W	5·2	5·0	+ 4	4·6	85	− 2	·825	−·003	8·2	+0·1	18	18·40	−0·40	19·19	20·15	− 0·96	30·32	30·20	+ 0·12	4·10	Jubbulpore.
2		2				6	20	1	S 85° W	9·4	5·1	+84	8·4	86	− 1	·817	+·011	8·5	+1·3	14	16·50	−2·50	21·06	15·27	+ 5·79	26·31	24·56	+ 1·75	10·00	Saugor.
3		2	2			10	12	2	S 76° W	5·8	9·4	−38	5·3	89	+ 6	·939	+·081	9·6	+2·5	16	15·00	+1·00	16·44	14·28	+ 2·16	23·38	21·98	+ 1·40	3·12	Sutna.
5		1	1	1	1	20	2		S 42° W	7·9	11·6	−32	9·4	89	+ 3	·887	+·046	7·1	−1·5	12	15·80	−3·80	16·11	15·89	+ 0·22	23·51	25·71	− 2·20	6·46	Raipur.
6	1	1	2	2	8	3	3	5	S 36° W	6·2			5·3	87		·806		8·4		23			23·92			36·98			6·12	Pendra.
		1	4	2	4	14	6		S 34° W	5·0	3·6	+39	5·0	84	− 2	·891	+·001	7·8	−0·4	23	19·50	+3·50	20·89	22·82	− 1·93	28·42	35·79	− 7·37	2·79	Sambalpur.
1						5	20	5	W	14·5			14·4	84		·729		9·4		11	11·60	−0·60	11·66	6·82	+ 4·84	18·40	13·81	+ 4·59	3·94	Aurangabad
	1	2				2	1	25	N 45° W	4·3			3·6	75		·738		6·9		16	15·70	+0·30	10·76	11·11	− 0·35	23·34	16·15	+ 7·19	1·20	Indur.
	1				7	15	7	1	S 48° W	10·8			9·0	86		·729		5·8		11	12·60	−1·60	8·26	8·80	− 0·54	18·41	15·54	+ 2·87	2·12	Bidar.
						3	28		S 86° W	8·3			7·3	80	+ 1	·728	+·010	8·0	−0·2	8	9·10	−1·10	5·69	5·31	+ 0·33	15·58	12·18	+ 3·40	1·50	Gulbarga.
						28	3		S 49° W	21·4			20·3	73	− 2	·704	−·009	7·6	+1·0	7	9·20	−2·20	3·21	5·53	− 2·32	10·19	9·37	+ 0·82	1·07	Raichur.
5						2	24		S 87° W	8·3			8·1	78	0	·709	+·001	8·1	+0·6	7			5·68	6·73	− 1·05	13·94	12·09	+ 1·35	1·83	Hyderabad (Deccan).
3					3	12	9	4	S 67° W	10·2*			9·0	73		·746		8·4		15	12·50	+2·50	7·68			17·64			1·62	Hanumkonda
														89	+1	·874	+·010	9·0	+0·5				33·59	28·58	+5·01					X.—West Coast.
				1	2	12	15	1	S 66° W	13·5	19·1	−29		88	+ 2	·930	+·019	9·8	+0·3	23	23·00	0	18·34	26·05	− 7·71	31·25	46·39	−15·14	3·08	Bombay.
2	1	1	3	2	1	11	9	1	S 58° W	10·9	13·7	−20	10·8	91	+ 3	·901	+·010	9·3	+0·6	28	25·90	+2·10	40·68	35·68	+ 5·00	65·38	67·33	− 1·95	4·01	Ratnagiri.
	16	7			1	1	5	1	N 5° W	11·5				92	+ 3	·913	+·007	9·4	+1·8	29			34·55	31·88	+ 2·67	61·69	58·08	+ 3·61	5·20	Mormugao.
	1	1		3	4	5	15	2	S 70° W					89	+ 1	·886	−·001	9·7	+0·6	28			38·26	32·68	+ 5·58	66·51	63·73	+ 2·78	4·36	Goa.
2						8	16	5	S 85° W	5·5				90	+ 4	·887	+·045	8·5	+0·5	26	27·40	−1·40	41·55	37·78	+ 3·77	68·08	77·04	− 8·96	4·50	Karwar.
5	1	4	10	2		2	4	3	N 65° E	7·5				87	− 1	·826	−·009	8·0	−0·3	27	23·40	+3·60	33·51	21·21	+12·30	60·09	62·59	− 2·50	2·85	Cochin.
9	3	3	5	1	1	3	1	5	N 14° E	7·1			7·1	92	+ 1	·840	+·008	9·5	+0·9	31	26·20	+4·80	43·36	29·05	+14·31	64·92	72·44	− 7·52	5·10	Calicut.
	1	3	2	1	1	2	15	6	N 75° W	7·2	3·2	+125		92	+ 1	·893	+·032	8·6	−0·4	28	27·80	+0·20	43·19	36·03	+ 7·16	75·03	78·91	− 3·88	4·14	Mangalore.
2	9						1	19	N 32° W	7·2				84	− 4	·787	−·024	8·1	−0·4	20	13·10	+6·90	8·87	6·86	+ 2·01	32·74	28·36	+ 4·38	1·21	Trivandrum.

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

42 and 44 are derived are incomplete.

* Mean 29 days.

Table

Abstract of Observations taken at 8 h. at 231 Stations

Number of rainfall division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 h., in inches.								Temperature of air.												
			Mean 8 h. pressure reduced to 32°.	Departure from normal.	Mean 8 h. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 h. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	XI.—South India.			-·029								91·8	+0·5	75·6	+0·6	83·7	+0·6	16·2					25·9
57	Pamban	37	29·765	—·032	29·729	29·887	31st	29·647	20th	·240	83·9	90·8	+1·7	80·5	+1·0	85·7	+1·4	10·3	93·3	3rd & 4th.	77·2	25th	16·1
	Tinnevelly	168	29·645	—·026	29·742	29·743	31st	29·556	20th	·187	84·6	92·0	?						96·3	31st			
	Madura	447	29·356	?	29·736	29·471	31st	29·251	20th	·220	83·7	97·2	0	77·3	+0·9	87·3	+0·5	19·9	102·5	2nd & 5th.	70·0	22nd	32·5
	Periyakulam	944	28·851		29·732	28·965	31st	28·759	20th	·206	79·9	94·0		72·6		81·5		21·4	99·4	25th	67·6	2nd	31·8
34	Salem	940	28·878	—·038	29·759	29·000	31st	28·755	20th	·245	79·3	95·0	+1·9	74·8	+1·8	84·9	+1·9	20·2	99·7	4 days	72·4	18th	27·3
	Coimbatore	1,348	28·455	—·036	29·756	28·574	31st	28·331	20th	·243	75·7	88·1	+0·1	70·9	+0·2	79·5	+0·2	17·2	92·4	2nd	67·8	23rd	24·6
35	Mercara	3,781	26·148	?	26·081	26·253	31st	26·034	20th	·219	64·7	68·9	0	62·8	+0·6	65·9	+0·3	6·1	76·0	13th	60·1	23rd	15·9
36	Chitaldroog	2,405	27·389	—·033	29·732	27·507	31st	27·243	20th	·264	72·5	82·7	+0·8	69·3	+0·9	76·0	+0·9	13·4	90·1	11th	66·9	18th	23·2
	Bangalore	3,021	26·828	—·034	29·769	26·950	31st	26·683	20th	·267	70·0	82·2	+0·3	66·2	+0·4	74·2	+0·4	16·0	87·8	7th & 12th.	64·3	21st & 24th.	23·5
	Hassan	3,091	26·773	—·029	29·777	26·880	31st	26·640	20th	·240	70·6	80·1	?	65·9	+1·0	73·0	?	14·2	85·8	13th	64·0	23rd	21·8
	Mysore	2,518	27·333	—·032	29·789	27·441	31st	27·214	20th	·227	72·6	82·3	—0·4	67·7	+0·8	75·0	+0·2	14·6	89·0	13th	65·5	21st	23·5
56	Negapatam	31	29·748	—·039	29·708	29·865	31st	29·614	20th	·251	82·9	96·2	?	79·5	+1·3	88·9	?	16·7	103·9	6th	73·5	12th	30·4
	Cuddalore	37	29·730	—·030	29·696	29·863	31st	29·591	20th	·272	83·4	96·7	+0·8	78·5	+0·8	87·6	+0·8	18·2	103·2	3rd	74·2	31st	29·0
	Trichinopoly	255	29·541	—·028	29·727	29·661	31st	29·424	20th	·237	83·7	98·1	+0·6	78·4	+0·5	88·3	+0·6	19·7	104·1	10th	74·9	18th	29·2
	Pudukkottai	318	29·484		29·732	29·600	31st	29·369	20th	·231	83·5	96·2		78·0		87·1		18·2	102·5	4th	74·6	29th	27·9
	Madras	22	29·727	—·039	29·680	29·897	31st	29·565	20th	·332	84·1	97·3	+1·8	79·3	+0·5	88·3	+1·2	18·0	103·5	3rd	73·0	28th	30·5
	Vellore	707	29·054		29·699	29·206	31st	28·900	20th	·306	82·2	95·0		76·7		85·9		18·3	101·4	5th	72·7	7th & 12th.	28·7
55	Nellore	52	29·668	—·016	29·662	29·832	31st	29·489	20th	·343	84·7	98·2	+0·9	79·5	—0·1	88·9	+0·4	18·7	105·3	7th	73·1	17th	32·2
	Masulipatam	15	29·686	—·016	29·636	29·852	31st	29·487	20th	·365	83·3	93·0	+0·3	79·2	+1·1	86·1	+0·7	13·8	99·7	8th	75·1	17th	24·6
54	Cuddapah	433	29·314	—·032	29·683	29·457	31st	29·135	20th	·322	83·3	96·0	+0·7	77·6	—0·4	86·8	+0·2	18·4	103·2	7th	71·7	10th	31·5
	Kurnool	923	28·806	—·036	29·674	28·937	31st	28·629	20th	·308	79·4	91·7	+0·3	74·8	+0·1	83·3	+0·2	16·9	98·2	7th	71·1	17th	27·1
	Bellary	1,475	28·274	—·034	29·692	28·407	31st	28·107	20th	·300	79·0	91·7	+0·8	75·3	+0·7	83·5	+0·8	16·4	99·0	8th	71·7	10th	27·3
52	Cocanada	26	29·645	—·012	29·607	29·827	31st	29·414	20th	·413	82·4	90·8	—0·9	79·3	0	85·1	—0·5	11·5	97·1	8th	74·0	1st	23·1
	Waltair (Vizag.)	*226*	29·407	—·022	29·572	29·615	31st	29·157	20th	·458	82·0	88·6	?	78·4	?	83·5	?	10·2	93·4	29th	74·4	13th	19·0
	Gopalpur	72	29·528	—·010	29·540	29·745	31st	29·263	21st	·482	83·1	87·9	+0·5	79·5	+0·3	83·7	+0·4	8·4	94·7	16th	75·5	22nd & 23rd.	19·2
	XII.—Hill Stations.																						
48	Pishin											98·0		67·1		82·6		30·9	101·4	2nd	58·1	20th	43·3
	Quetta	5,502	24·421	—·005	24·361	24·527	31st	24·298	28th	·229	79·4	94·7	+2·0	66·5	+1·8	80·6	+1·9	28·2	96·6	2nd, 26th & 31st.	54·9	8th	41·7
	Kalat										79·2	96·2	+3·1	55·4	+2·3	75·8	+2·7	40·8	102·6	15th	45·5	13th	57·1
30	Chaman	4,311	25·420	—·019	25·382	25·535	31st	25·279	28th	·256	84·2	101·6	+0·1	73·6	—1·1	87·6	—0·5	28·0	106·2	2nd	62·1	20th	44·1
	Leh	11,503	19·629	—·014	19·597	19·714	31st	19·528	28th	·186	60·4	77·1	—1·1	50·6	0	63·9	—0·6	26·5	82·7	31st	44·5	6th & 14th.	38·2
	Srinagar	5,204	24·657	—·010	24·628	24·817	16th	24·507	28th	·310	72·1	87·6	+2·7	64·3	—0·3	76·0	+1·2	23·3	94·3	27th	57·7	5th	36·6
	Gulmarg	*8,569*	21·761		21·729	21·856	16th	21·644	28th	·212	63·3	70·7		48·7		59·7		22·0	75·6	27th	42·3	5th & 14th.	33·3
	Sonemarg	*8,764*	21·690		21·658	21·772	16th	21·581	28th	·191	56·2	73·0		47·3		60·2		25·7	78·9	27th	40·1	5th	38·8
	Skardu	*7,505*	22·699		22·669	22·816	14th	22·576	27th	·240	70·4	89·0		61·2		75·1		27·8	100·5	15th	51·7	13th & 14th.	48·8
	Dras	*10,059*	20·707		20·675	20·801	31st	20·585	28th	·216	64·2	80·7		49·3		65·0		31·4	86·5	27th	41·6	17th	44·9
	Gilgit	4,890	24·854		24·827	24·975	18th	24·677	28th	·298	81·3	97·3	+0·7	73·0	—0·3	85·2	+0·2	24·3	105·2	27th	60·7	13th	44·5
32	Chitral	*5,486*									77·9	97·2		66·2		81·7		31·0	104·2	28th	60·5	7th & 21st.	43·7
	Killa Drosh	4,700 ?									78·0	95·5							101·2	28th			
	Para Chinar	6,000	24·256		24·223	24·349	31st	24·141	28th	·208	75·7	86·7		67·2		76·9		19·5	90·9	2nd, & 27th.	59·2	17th	31·7

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

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

NOTE 2.—The data from which divisional means of the figure columns Nos. 40, 42 and 44 are

NOTE 3.—The barometric readings are not reduced to sea-level in the cases of hill or plateau

I—*continued.*

in India, Burma, etc., in July, 1906—continued.

Wind Direction, Number of winds from									Wind Velocity.				Hygrometry, 8 h.				Cloud.		Rainfall.								Heaviest rainfall during month.	Station
Calm.	N.	N. E.	E.	S. E.	S.	S. W.	W.	N. W.	Resultant direction.	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 h.	Departure from normal.	Mean vapour tension at 8 h.	Departure from normal.	Mean cloud amount at 8 h.	Departure from normal.	Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 31st July 1906.	Normal rainfall for period, 1st May to 31st July.	Departure from normal of period, 1st May to 31st July 1906.		
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
														74	+2	·776	+·024	6·8	—0·6				3·29	3·14	+0·11					XI.—South Ind
10					2	7	10	2	S 71° W	10·8			11·4	76		·873		4·2		1	0·60	+0·40	0·11	0·17	— 0·06	1·10	0·84	+ 0·26	0·11	Pamban.
						5	17	9	N 84° W	11·8			11·3	67	+ 8	·799	P	6·5	—0·3	0	0·60	—0·60	0·06	0·27	— 0·21	0·43	2·20	— 1·77	0·06	Tinnevelly
2	1					3	14	11	N 75° W	9·5	4·6	+107	10·9	67	+ 3	·773	+·048	7·5	P	4	3·00	+1·00	1·98	2·06	— 0·08	5·87	5·96	— 0·09	0·89	Madura.
18	1	6	3				1	2	N 8° W	3·7			4·1	65		·651		5·4		3	1·90	+1·10	0·81	0·69	+ 0·12	9·12	4·47	+ 4·65	0·28	Periyakuli
					2	24	5		S 50° W	7·7	4·7	+64	6·8	77	— 1	·787	+·021	5·6	—0·8	4	7·00	—3·00	1·46	3·48	— 2·02	9·66	11·46	— 1·80	0·49	Salem.
					1	14	12	1	S 60° W	13·1	8·2	+60	12·1	71	— 5	·712	—·036	5·7	—0·8	5	3·70	+1·30	1·63	1·23	+0·40	3·77	5·16	— 1·39	0·72	Coimbato
						3	26	2	S 89° W	6·8	11·3	—40	6·3	97	+ 1	·603	+·016	9·8	+1·0	30	29·10	+0·90	56·05	40·35	+15·70	78·04	73·48	+ 4·56	6·48	Mercara.
					1	12	14	4	S 75° W	11·9			10·4	85	+ 3	·680	+·021	8·9	—0·1	11	8·60	+2·40	3·62	2·79	+ 0·83	9·97	10·33	— 0·36	1·27	Chitaldroo
						17	14		S 66° W	12·7	8·6	+ 48	11·3	86	+ 2	·637	+·018	8·5	+0·3	14	8·20	+5·80	6·32	4·06	+2·26	11·50	11·33	+ 0·17	1·60	Bangalore
					1	15	12	3	S 68° W	5·4			4·8	87	+ 2	·650	+·027	9·0	+0·5	15	12·60	+2·40	4·75	3·85	+ 0·90	8·82	14·03	— 5·21	1·20	Hassan.
						18	13		S 64° W	13·4			14·5	81	— 1	·640	+·008	8·5	0	7	7·30	—0·30	2·33	2·32	+ 0·01	8·70	9·50	— 0·80	0·42	Mysore.
1						5	19	6	N89° W	10·0	7·1	+ 41	9·5	63	— 4	·699	—·078	4·0	—1·8	5	3·50	+1·50	3·63	1·88	+ 1·75	5·91	4·99	+ 0·92	1·85	Negapatan
1						17	12	1	S 65° W	4·7			5·8	69	— 8?	·781	—·091?	5·5	—1·0	5	5·50	—0·50	3·70	3·53	+ 0·17	5·13	5·81	— 0·68	1·53	Cuddalore.
4					9	9	11	3	S 67° W	9·5	9·9	— 4		63	+ 1	728	+·030	5·7	—1·4	2	1·90	+0·10	0·70	1·31	— 0·61	3·95	5·75	— 1·80	0·39	Trichinopo
1	3					1	3	23	N 46° W	9·2			10·9	64		·738		8·1		6			4·07			7·76			1·32	Pudukkott
					2	14	13	2	S 66° W	8·2	8·3	— 1		73	+ 4	·848	+·056	6·5	—0·9	4	12·70	+8·70	4·44	4·02	+ 0·42	6·84	7·13	— 0·29	1·72	Madras.
1	1	2	6	8		4	3	6	S 56° E	5·0			5·0	69		·750		5·0		11	6·30	+4·70	3·44	3·58	— 0·14	7·05	9·22	— 2·17	0·83	Vellore.
5					3	3	12	8	N 89° W	9·4				63	— 5	·757	—·051	7·7	+0·1	3	4·80	—1·80	1·58	2·84	— 1·26	2·77	4·43	— 1·66	0·89	Nellore.
7					1		10	13	N 67° W	11·5	9·7	—19	10·1	88	+ 9	1·012	+·140	8·6	+0·6	7	9·40	—2·40	3·33	5·66	— 2·32	12·85	11·75	+ 1·10	1·50	Masulipa-tam.
						4	20	7	N 86° W					67	—1?	·759	+·006	7·1	—0·7	8	6·20	+1·80	4·33	3·72	+ 0·61	10·92	8·87	+ 2·05	1·48	Cuddapah.
						17	8	6	S 73° W	11·7				86	+14	·860	?	7·5	- 0·6	11	9·30	+1·70	6·91	4·95	+ 1·99	11·36	9·26	+ 2·10	1·60	Kurnool.
	1					9	18	3	S 83° W	10·9	11·6	— 6	9·6	66	+ 1?	·651	+·004	7·1	—1·1	2	3·70	- 1·70	1·19	1·68	- 0·49	7·19	5·44	+ 1·75	0·71	Bellary.
8					5	9	9		S 54° W	5·9			5·0	83	+ 6	·934	+·100	7·2	—0·8	10	9·90	+0·10	6·20	5·94	+ 0·26	17·81	11·63	+ 6·18	1·40	Cocanada.
					1	19	11		S 60° W	13·0			10·5	79	+ 3	·966	+·099	8·5	+0·2	10	7·70	+2·30	4·79	4·53	+ 0·26	16·85	10·83	+ 6·02	1·19	Waltair (Y zag.)
2		1			7	17		4	S 42° W	15·1	11·3	+34	14·8	93	— 2	·927	—·003	5·0	—3·3	8	9·40	—1·40	7·47	7·75	- 0·28	13·06	15·99	— 2·93	3·89	Gopalpur.
																														XII.—Hill Statio
																				0	0·20	-0·20	0	0·08	- 0·08	0·05	0·30	— 0·25	0	Pishin.
30				1					S 45° E	0·7	5·1	—86	0·7	53	— 4	·540	+·003	0·5	—0·6	0	0·60	-0·60	0	0·98	- 0·98	0·18	1·57	— 1·39	0	Quetta.
	6		1		22		2		S 4° W					37		·375				0	1·00	—1·00	0·08	0·62	— 0·54	0·64	1·34	- 0·70	0·08	Kalat.
5	2	4	10	7	2			1	S 85° E	7·8			8·6	29	— 5	·346	—·082	0·3	-0·3	0			0	0·30	— 0·30	0	0·28	- 0·28	0	Chaman.
30					1				S	3·0				47	— 5	·250	—·005	3·6	—0·6	0	1·20	-1·20	0	0·40	- 0·40	0·32	0·79	- 0·47	0	Leh.
14	3	1	1	5	3	1	1	2	S 45° E	3·1			2·9	82	— 3	·655	+·013	3·0	—1·6	5	5·30	—0·30	0·87	2·97	— 2·10	5·38	7·36	— 1·98	0·25	Srinagar.
8	3	6	4	1	1	5	2	1	N 45° E	3·3			3·8	77		·452		4·3		9			2·32			7·69*			0·45	Gulmarg.
9	7	10	2	1	1	1			N 38° E	3·7			3·4	82		·373		5·5		6			1·28			10·53			0·35	Sonemarg.
24		2	2	1		2			S 75° E	5·2			5·3	43		·314		5·0		0	0·70	—0·70	0·13	0·32	- 0·19	4·07	1·76	+ 2·31	0·07	Skardu.
30							1		W	7·6			6·1	51		·312A		3·7		0	0·90	—0·90	0	0·48	— 0·48	4·35	4·01	+ 0·34	0	Dras.
24		1	2	1			3		E	2·9			2·6	37	— 9	381	—·070	4·7	+0·6	0	2·00	—2·00	0·03	0·84	- 0·81	3·24	1·76	+ 1·48	0·03	Gilgit.
36				1					S	6·4			5·7	78		·757		1·2		0			0·10			3·35			0·05	Chitral.
	1	1	4	5		5	7	8	N 88° W					53		·508		1·8		3			1·00			5·96			0·52	Killa Drosh.
30				1					S 45° E	3·8			3·5	62		·550		8·8		6	7·80	—1·80	4·18	3·81	+ 0·37	10·75	7·26	+ 3·49	2·98	Para Chinar.

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

derived are incomplete.

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

* Rainfall since 23rd May 1906.

Tabl

Abstract of Observations taken at 8 h. at 231 Station

Number of rainfall division.	Station.	Elevation of barometer cistern above sea-level, in feet	Pressure, 8 h., in inches.								Temperature of air.												
			Mean 8 h. pressure reduced to 32°.	Departure from normal.	Mean 8 h. pressure reduced to sea-level and to constant gravity at 45° Lat. (See note 3.)	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 h. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
32	Cherat	*4,256*	25·471	—·011	25·439	25·585	31st	25·371	28th	·214	77·2	91·6	+3·0	71·2	+0·5	81·4	+1·8	20·4	99·4	2nd	60·5	11th	38·9
29	Murree	6,333	23·691	—·013	23·659	23·799	31st	23·573	28th	·226	69·0	77·4	+0·4	59·2	—3·3	68·3	—1·5	18·2	82·5	16th	50·9	4th	31·6
	Kailang	*10,087*	20·908		20·863	20 941	31st	20·887	17th	·054	58·7	75·4	+1·5	50·7	—0·4	63·1	+0·6	24·7	81·5	27th	43·8	14th	37·7
	Poo											76·5		60·4		68·4		16·1	80·4	19th	55·1	14th	25·3
	Simla	7,224	22·961	—·013	22·923	23·082	31st	22·864	28th	·218	63·5	69·2	0	60·7	+0·6	65·0	+0·3	8·5	73·2	18th	55·1	13th	18·1
	Saraln		23·016			23·149	31st	22·912	28th	·237	66·2	73·7		60·1		66·9		13·6	77·5	17th	53·3	8th	24·2
	Kalabagh		20·057			20·181	31st	19·977	28th	·204	51·6	56·8		46·5		52·7		8·5	60·0	21st	43·1	15th	16·9
25	Chakrata	7,022	23·133	—·009	23·093	23·260	31st	23·038	28th	·222	64·0	69·0	—0·9	60·9	+0·7	65·0	—0·1	8·1	72·3	17th & 24th.	58·0	17th	14·3
	Muktesar	7,600	22·672		22·630	22·804	31st	22·574	28th	·230	62·3	69·7		59·5		64·6		10·2	76·1	16th	57·4	1st	18·7
13	Yatung	10,480										63·5		50·8		57·2		12·7	69·1	23rd	46·2	15th	22·9
	Darjeeling	7,376	22·901	—·012	22·856	23·043	31st	22·795	24th	·248	62·9	68·0	+2·0	58·9	+1·2	63·5	+1·6	9·1	73·2	20th	56·6	21st	16·6
8	Shillong	4,920	24·952		24·904	25·096	31st	24·845	24th	·251	68·9	76·6		65·7		71·2		10·9	89·6	23rd	63·1	16th	26·5
	Cherra Poonjee	4,309	25·501		25·452	25·672	31st	25·372	24th	·300	68·5	73·4		66·3		69·8		7·1	78·7	21st, 23rd & 26th.	65·0	1st	13·7
50	Mount Abu	3,945	25·802	—·014	25·752	25·935	11th	25·701	20th	·234	68·5	74·0	—0·6	67·1	+1·4	70·6	+0·4	6·9	83·2	19th	64·3	14th	18·9
42	Pachmarhi	3,528	26·192	—·027	26·139	26·347	31st	25·984	22rd	·363	70·1	76·9	+1·1	63·2	+0·1	72·6	+0·6	8·7	82·1	18th & 19th.	65·2	28th & 29th.	16·9
57	Ootacamund	*7,322*	22·956		22·892	23·055	31st	22·857	20th	·198	56·4	61·8		52·4*		57·1*		9·4	67·0	9th	48·8	24th	18·2
	Kodaikanal	7,688	22·754		22·689	22·840	31st	22·639	20th	·201	57·6	63·6		53·3		57·0		10·3	69·2	5th	50·6	21st	18·6
	XIII.—Extra India.																						
	Trincomalee	12	29·793	P	29·731	29·895		29·676	20th	·219	80·7	92·5	+0·9	78·3	+0·7	85·4	+0·8	14·2	96·0	4th	73·0	12th	23·0
	Colombo	40	29·836	—·039	29·802	29·917	31st	29·755	20th	·162	81·2	85·8	+0·4	77·6	0	81·7	+0·2	8·2	89·0	22nd	74·5	19th	14·5
	Meshed	3,104	27·019 (c)			27·250	15th & 16th	26·650	14th	·600	32·5	87·0		64·8	—0·7	75·9		22·2	92·6	14th	54·8	16th	37·8
	Teheran (b)	*4,002*																					
	Ispahan (b)	*5,817*	24·076*			24·170	12th & 17th.	23·970	24th	·200	76·6†	98·1	—0·3	68·7	+2·5	83·4	+1·1	29·4	102·5	13th	62·5	17th	40·0
	Bushire	14	29·468	—·013	29·441	29·565	31st	29·344	29th	·221	88·0	93·5	—1·8	83·5	—0·8	88·5	—1·3	10·0	99·0	25th	76·0	9th	23·0
	Bahrein	18	29·507§		29·477§	29·615	12th & 13th.	29·391	24th	·224	94·1‡	97·8‡		85·2‡		91·6‡		12·5	101·9	19th	78·8	2nd	23·1
	Jask	13	29·491	—·039	29·461	29·630	15th	29·279	27th	·351	90·0	96·1	+0·3	86·0	+1·2	91·1	+0·8	10·1	103·2	29th	82·7	18th	20·5
	Muscat*	20	29·471	—·045	29·438	29·640	12th	29·333	24th	·307	91·0	96·6	+5·2	88·2	+0·7	92·4	+3·0	8·4	106·2	4th	83·0	12th	23·2
	Baghdad	220	29·418	—·027	29·605	29.557	3rd	29·300	21st	·257	89·4	111·2	+4·0	79·8	+0·4	95·4	+2·2	31·4	115·7	12th & 13th.	73·9	14th	41·8
	Busrah	25	29·499			29·623	3rd	29·378	21st	·245		101·5		77·0		89·3		24·5	107·4	19th	72·1	30th	35·3
	Aden	94	29·609	—·011	29·633	29·735	6th	29·428	19th	·307	86·5	93·6	+0·5	82·0	—0·3	87·8	+0·1	11·6	97·3	20th	71·9	28th & 29th.	25·4
	Perim	201	29·513	—·012	29·644	29·582	27th	29·459	20th	·123	90·2	98·1	+1·7	86·6	+3·2	92·3	+2·5	11·5	101·3	18th	84·1	1st & 4th	17·2
	Kabul		24·095 (c)		24·064	24·204	3rd	24·000	28th	·204	81·6	94·6	+2·3	62·2‡	+0·6‡	78·4‡	+1·5‡	32·4‡	100·6	31st	57·0‡	8th	43·6‡
	Kashgar	4,255	25·367			25·530	31st	25·160	16th	·370	77·7	91·2	—0·3	65·5	—3·1	78·4	—1·7	25·7	98·3	26th	58·5	20th	39·8
	Amini Divi	*13*	29·841	—·028	29·782	29·940	31st	29·733	20th	·207	81·8	86·3	+1·3	77·3	—0·2	81·8	+0·6	9·0	90·6	1st & 2nd.	74·0	28th	16·6
	Minicoy	7	29·870		29·802	29·948	31st	29·760	21st	·188	80·9	85·7	+0·4						88·4	2nd			
	Zanzibar	72	30·092	—·006	30·091	30·136	8th & 27th	30·020	21st	·106	74·3	81·3	+1·1	72·9	+0·2	77·1	+0·7	8·4	83·2	24th	71·4	30th	11·8
	Do. Dunga ‖	*154*	29·996		30·081	30·026	6th	29·946	11th	·080	73·6	81·5		72·9		77·2		8·6	84·6	17th	71·4	8th & 27th.	13·2
	Penang (a)	20	29·916		29·860	29·935	6th, 12th & 22nd	29·888	20th	·047	82·0	88·9		74·4		81·7		14·5	91·0	4 days	73·0	6 days	18·0
	Singapore (a)	10	29·912		29·850	29·970	31st.	29·838	20th	·132	83·7	88·9		75·2		82·1		13·7	91·8	23rd	71·2	15th	20·6

(a) 9 h. observations.
(b) Aneroid uncorrected.
(c) ,, corrected.

‖ Observations of 28 days.

§ Mean of 26 days.

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

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

—*concluded.*

n India, Burma, etc., in July, 1906—concluded.

Calm.	Wind Direction. Number of winds from N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Wind Velocity. Mean daily velocity in miles per hour, instrumental errors uncorrected.	Normal (uncorrected).	Percentage departure from normal.	Mean corrected (where possible).	Hygrometry, 8 h. Mean humidity at 8 h.	Departure from normal.	Mean vapour tension at 8 h.	Departure from normal.	Cloud. Mean cloud amount at 8 h.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 31st July, 1906.	Normal rainfall for period, 1st May to 31st July.	Departure from normal of period, 1st May to 31st July, 1906.	Heaviest rainfall during month.	Station
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
3	3	1		6	15	2		1	S 10° E	9·4			9·1	67	− 5	·619	−·014	4·6	+0·4	4			2·15	4·88	− 2·73	2·73	6·82	− 4·09	0·85	Cherat.
20	6		1		1	1		2	N 11° W	4·7	5·7	−18	5·1	72	− 5	·509	−·008	5·2	+0·5	15	16·20	−1·20	8·62	11·85	− 3·23	14·10	18·34	− 4·24	2·23	Murree.
	1	2	7	5	1	4	6	5	S 23° W	1·8*				72		·359		4·6		3			0·62	1·30	− 0·67	3·19	5·22	− 2·03	0·39	Kailang.
23	1				1	2	4		S 79° W									5·8		1			0·21	1·14	− 0·93	0·88	2·12	− 1·24	0·17	Poo.
8	12	3		1	2	2		3	N 3° W	2·8	1·6	+75	2·7	88	0	·527	+·015	7·1	−1·3	18	18·90	−0·90	13·34	16·84	− 3·50	30·63	27·75	+ 2·88	3·14	Simla.
25				1	2		2	1	S 45° W	1·7			1·6	77		·491		7·5		12			9·52			28·97			2·32	Sarain.
6	6			5	8		1	5	S 27° W	11·4			9·9	93		·356		9·0		17			10·06			31·88			2·13	Kalabagh.
15	1			3	12				S 9° E	5·7	4·6	+24	6·8	91	0	·547	+·010	7·1	+1·2	23	19·80	+3·20	16·67	20·07	− 3·40	29·21	31·27	− 2·06	3·62	Chakrata.
9			6	1	2	2	10	1	S 59° W	7·9			7·3	95		·535		8·7		16			7·76			15·23			1·39	Muktesar.
																				22	23·86	−1·86	8·39	9·47	− 1·08	18·24	21·52	− 3·28	0·95	Yatung.
8	3	5	1	3		4	3	4	N 27° W	3·1	2·6	+19	2·9	94	− 3	·536	+·022	9·0	−0·6	24	22·94	+1·06	32·33	33·50	− 1·17	62·72	66·05	− 3·33	4·98	Darjeeling.
21			1	1	4	4			S 18° W	2·5			2·8	88		·618		7·7		21	18·00	+3·00	22·61	13·19	+ 9·42	42·82	39·21	+ 3·61	4·90	Shillong.
5		6	2	3	2	9	4		S 18° W	6·9			6·1	95		·664		9·2		26	27·30	−1·30	168·43	96·70	+71·73	241·92	248·19	− 6·27	19·21	Cherra Poonjee.
	1					23	3	4	S 60° W	11·0	10·5	+ 5	11·1	93	− 3	·647	+·002	9·4	+0·4	21	17·60	+3·40	12·64	23·23	−10·59	20·03	30·43	−10·40	2·47	Mount Abu.
1						14	12	4	S 74° W	11·0	9·5	+16	11·3	93	+ 3	·689	+·024	9·3	+0·5	22	22·00	0	25·15	25·11	+0·04	45·54	36·53	+ 9·01	4·85	Pachmarhi.
2						4	20	5	N 88° W	7·0			6·6	69		·311		9·0		16	12·30	+3·70	8·47	5·94	+ 2·53	17·53	18·05	− 0·52	1·26	Ootacamund.
					1	3	16	11	N 79° W	17·0				80		·381		6·8		13	8·40	+4·60	6·89	3·89	+ 3·00	13·05	14·37	− 1·32	1·26	Kodaikanal.
																														XIII.—Extra India.
						30		1	S 47° W	12·1				78	0	·826	−·041	2·5	−0·7	4			7·41	1·97	+ 5·44	10·54	5·94	+ 4·60	2·77	Trincomalee.
						18	13		S 64° W	8·6	9·0	− 4		85	+ 6	·889	+·037	7·7	+1·5	6			4·42	4·83	− 0·41	15·88	24·18	− 8·30	2·27	Colombo.
														40		·442		0·5		0			0	0·01	−0·01	3·59	0·78	+2·81	0	Meshed.
																														Teheran
23	3					2	3		N 63° W	2·2†			2·8†	47*		·437*		0·1		0			0	0·06	−0·06	1·08	0·17	+0·91	0	Ispahan.
	1	2	1	2	3	2	6	14	N 65° W	12·5	9·2	+36	13·8	75	+11	·989	+·073	0·2	−1·7	0			0	0	0	0·03	0	+0·03	0	Bushire.
2	2		1	1	1	5	10	6	N 86° W	4·8††			4·1††	65‡		1·005‡		0		0			0			0·05			0	Bahrein (*d*)
2			7	15			2	5	S 60° E	16·0			15·4	72	0	1·025	−·004	3·5	+1·8	0			0	0·02	−0·02	0·07	0·13	−0·06	0	Jask.
11	2	1	1	10				5	S 81° E	3·8			4·0	76	0	1·099	+·068	4·9	+2·4	0			0	0·04	−0·04	0·24	0·40	−0·16	0	Muscat.
3	7						4	17	N 40° W	7·2			9·5	26		·367		0		0			0	0	0	0·03	0·24	−0·21	0	Baghdad.
	31								N											0			0			0·63			0	Busrah.
1			7	2	2	12	6	1	S 31° W	7·6	9·4	−19	6·2	73	+ 2	·921	+·043	2·7	−1·0	0			0	0·03	−0·03	0	0·23	−0·23	0	Aden.
	3	1	1				22	4	N 73° W	19·2‡			16·5‡	64		·911		3·2		0			0·03	0·03	0	0·03	0·40	−0·37	0·03	Perim.
	2	5	1	5	6	1	3	8	N 45° W					37		·400		0·3		1			0·10	0·20	−0·10	1·32	0·95	+0·37	0·10	Kabul.
25	1	1					1	3	N 11° W	4·7			4·3	56		·533		1·0		2			0·42	0·29	+0·13	0·97	1·48	−0·51	0·22	Kashgar.
	2						13	16	N 62° W					81		·873		7·7		18			17·11	9·91	+7·20	38·05	27·15	+10·90	3·72	Amini Divi.
	1					3	24	3	N 88° W	13·6			14·6	86		·907		6·8		17			13·73	6·66	+7·07	40·41	21·66	+18·75	2·95	Minicoy.
				1	11	18	1		S 28° W	8·5			8·0	87		·736		5·3		4			0·67	2·74	−2·07	21·46	14·43	+7·03	0·20	Zanzibar.
7				2	3	14	2		S 38° W	6·0‡			5·8‡	88		·733		4·6		7			2·13			21·25			0·42	Do, Dunga.
	7	3	7		12			2	S 76° E	9·0								1·3		11			4·69			25·84			1·07	Penang.
		2	1	6	9	10	1	2	S 10° W	5·4								4·7		11			10·98			29·64			2·40	Singapore.

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

* Mean of 30 days.
† „ 29 „
†† „ 23 „
‡‡ „ 25 „
‡ „ 27 „

(*d*) Wind observations 3 less

TABLE II.—Abstract of Observations recorded at 10 h. and 16 h. at 62 Stations in India, Burma, etc., for July, 1906.

Table

Abstract of Observations recorded at 10 h. and 16 h

Meteorological Province.	Station.	Elevation of bar-cistern above sea-level in feet.	Pressure.						Temperature of Air.										Temperature, Wet-bulb.			
			Mean of 10 h.	Mean of 16 h.	Mean daily range.	Mean of daily mean pressure.	Departure from normal.	Mean reduced to S.L. and gravity 45° Lat.	Mean maximum.	Mean minimum.	Mean daily range.	Highest maximum.	Lowest minimum.	Absolute range.	Mean 10 h.	Mean 16 h.	Mean of daily means.	Departure from normal.	Mean minimum.	Mean 10 h.	Mean 16 h.	Mean of three previous columns.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Burma Coast and Bay Islands.	Port Blair	61	29·756	29·676	·080	29·720	—·021	29·712	85°5	78°2	7°3	88°6	75°0	13°6	83°4	83°5	80°4	+0°5	75°3	78°6	78°5	77°5
	Rangoon	36	·747	·658	·089	·706	—·026	·678	85°7	77°4	8°3	90°1	75°0	15°1	82°1	82°2	79°8	+1°0	76°0	78°6	78°1	77°6
	Diamond Island	41	·732	·651	·081	·696	—·028	·672	85°0	77°0	8°0	86°9	74°0	12°9	82°5	82°5	81°2	+1°0	74°2	79°0	79°1	77°4
	Akyab	20	·678	·597	·081	·641	—·023	·603	85°3	78°3	7°0	88°7	74°7	14°0	82°7	83°4	82°0	+0°7		80°5	80°5	
Bengal and Orissa.	Chittagong	87	·558	·469	·089	·519	—·031	·553	86°2	77°0	9°2	89°3	74°4	14°9	82°3	83°7	81°3	+0°4	75°9	78°9	79°7	78°2
	Calcutta (Alipore)	21	·553	·467	·086	·516	—·024	·482	89°7	79°5	10°2	93°1	74°5	18°6	86°1	85°6	84°3	+1°3	77°5	81°1	80°8	79°8
	Saugor Island	25	·559	·471	·088	·521	—·017	·489	89°8	81°1	8°7	95°5	76°7	18°8	86°0	87°1	83°9	+1°3	78°7	81°9	82°3	81°0
	False Point	21	·578	·490	·088	·540	—·020	·502	88°1	79°3	8°8	92°1	75°6	16°5	86°5	85°4	82°1	+0°6	77°7	81°1	81°3	80°0
Gangetic Plain and Chota Nagpur.	Hazaribagh	2,007	27·570	27·485	·085	27·531	—·031	·452	86°8	74°7	12°1	91°7	72°1	19°6	81°1	82°8	79°7	+1°6	72°7	75°3	75°9	74°6
	Allahabad	309	29·212	29·119	·093	29·170	—·035	·427	92°0	79°8	12°2	98°3	75°9	22°4	87°4	88°3	84°9	+0°4	78°3	80°6	80°8	79°9
Upper Sub Himalayas.	Dehra Dun	2,233	27·349	27·270	·079	27·307	—·053	·457	87°0	74°6	12°4	90°5	70°8	19°7	81°1	81°8	79°7	+1°0	72°7	76°3	76°8	75°3
	Roorkee	899	28·632	28·532	·100	28·579	—·038	·426	91°6	78°9	12°7	97°1	73°5	23°6	85°9	89°8	84°2	+0°1	76°5	79°4	81°3	79°1
	Lahore	702	·770	·678	·092	·720	—·048	·363	102°9	83°1	19°8	111°4	73°2	38°2	94°4	99°2	92°1	+3°0	78°0	83°4	84°0	81°8
	Ludhiana	812	·691	·578	·116	·632	—·043	·385	98°3	82°0	16°3	107°9	75°1	32°8	92°1	97°0	89°2	+1°5	75°9	79°5	80°3	78°6
Indus Valley and N. W. Rajputana.	Peshawar	1,110	·386	·276	·110	·327	—·029	·375	103°9	80°6	23°3	109°7	71°9	37°8	94°4	101°1	91°4	+1°1	73°2	78°4	78°5	76°7
	Jacobabad	186	29·261	29·141	·120	29·207	—·032	·345	110°7	86°5	24°2	116°4	80°2	36°2	99°4	108°1	97°5	+2°5	78°8	82°9	83°7	81°8
	Kurrachee	30	·507	·433	·074	·476	—·030	·455	93°0	82°7	10°3	95°1	81°5	13°6	89°0	90°2	86°6	+2°3	78°4	81°7	82°3	80°8
E. Rajputana, Central India and Gujarat.	Jaipur	1,431	28·142	28·048	·094	28·094	—·021	·449	94°5	79°2	15°3	105°7	75°1	30°6	87°2	91°0	85°6	+0°9	75°2	78°0	78°6	77°3
	Udaipur	1,925?	27·693	27·616	·077	27·654		·500	86°8	75°4	11°4	95°3	72°9	22°4	81°4	83°2	80°0		72°9	75°9	76°6	75°2
	Deesa	466	29·120	29·025	·095	29·071	—·027	·482	91°7	77°8	13°9	103°2	74°6	28°6	85°2	89°7	83°6	0	76°5	78°5	79°2	78°1
	Jamnagar	61	·533	·460	·073	·499		·506	90°3	79°1	11°2	94°6	77°4	17°2	86°8	87°3	83°2		76°5	79°2	79°2	78°3
Deccan.	Belgaum	2,539	27·241	27·174	·067	27 208	—·023	·676	75°7	67°7	8°0	80°3	65°8	14°5	72°4	72°4	70°5	+0°4	67°2	70°1	69°8	69°1
	Sholapur	1,590	28·125	28·025	·100	28·083	—·032	·598	89°2	73°0	16°2	97°2	70°8	26°4	82°0	85°6	79°3	+0°4	69°8	73°4	74°2	72°4
	Akola	930	·704	·597	·107	·655	—·038	·519	88°8	74°8	14°0	96°7	71°5	25°2	82°5	86°2	80°7	+0°1	72°8	77°2	78°3	76°1
	Buldana	2,132	27·558	27·464	·094	27·511	—·030	·561	83°1	71°5	11°6	89°6	69°7	19°9	78°3	80°1	75°9	0	69°4	72°7	73°9	72°0
	Khandwa	1,044	28·578	28·487	·091	28·535	—·027	·526	86°5	75°9	10°6	92°8	73°1	19°7	81°6	82°5	80°2	—0°2	72°9	75°9	76°9	75°2
	Nagpur (Sanitary Commr.'s Office)	1,017	·606	·502	·104	·556	—·018	·523	86°3	75°0	11°3	92°6	72°5	20°1	81°0	80°4	79°6	—0°8	73°2	76°4	77°7	75°8
	Hyderabad (Deccan)	1,690	·022	27·920	·102	27·976	—·020	·591	87°5	73°7	13°8	94°4	69°6	24°8	79°9	85°3	79°1	+1°2	70°1	73°1	75°5	72°9
West Coast.	Bombay	37	29·670	29·605	·065	29·637	—·035	·614	84°3	77°8	6°5	87°3	75°0	12°3	81°7	81°7	79°6	+0°1	75°9	78°5	78°1	77°5
	Karwar	44	·771	·704	·067	·740	—·027	·718	82°8	75°7	7°1	86°2	72°7	13°5	79°8	80°9	77°7	+0°1	73°4	76°8	77°4	75°9

II.

at 62 Stations in India, Burma, etc., for July, 1906.

VAPOUR TENSION.					HUMIDITY.				CLOUD.				WIND DIRECTION. Total number of 10 h. and 16 h. winds from										WIND STEADINESS.		WIND VELOCITY.		RAINFALL.		STATION.	Meteorological Province.
From minimum.	Mean 10 h.	Mean 16 h.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 h.	Mean 16 h.	Mean of daily means.	Departure from normal.	Mean 10 h.	Mean 16 h.	Mean of two previous columns.	Departure from normal.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Mean wind direction.	Normal mean wind direction of month.	Average percentage.	Normal percentage.	Mean velocity in miles per diem.	Normal.	Total rainfall for the month.	Heaviest rainfall during the month.		
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
																									%	%						
·838	·914	·907	·901	−·016	87	80	79	83	− 3	7·9	9·0	8·5	+0·4						1	31	30		S 67° W	S 48° W	90	86	316*	278	9·75	1·68	Port Blair.	Burma Coast and Bay Islands.
·881	·938	·908	·923	+·021	93	85	83	90	− 3	8·5	8·7	8·6	−0·5	3				5	48	1	5		S 2° W	S 36° W	84	75	44*	122	15·45	2·16	Rangoon.	
·802	·949	·952	·913	+·022	87	85	85	87	− 1	8·0	8·0	8·0	−0·4					3	6	43	8	2	S 45° W	S 42° W	84	80	253*	252	19·42	2·81	Diamond Island	
	1·015	1·006				91	88			8·4	7·6	8·0	−0·8				3	15	22	21		1	S 2° W	S 6° E	82	71	138*	94	44·08	4·84	Akyab.	
·885	·942	·961	·938	+·015	95	85	83	89	+ 1	8·0	7·5	7·8	−0·3			1	1	15	22	22		1	S 5° W	S 27° E	76	67	190*	175	27·64	3·70	Chittagong.	Bengal and Orissa.
·918	·995	·990	·968	−·003	91	80	81	85	− 2	8·0	8·6	8·3	−0·3			2	4	9	24	19	2	2	S 7° W	S 1° W	67	63	143*	120	12·69	3·18	Calcutta (Alipore).	
·954	1·040	1·032	1·018	+·019	89	83	80	85	− 1	8·5	8·2	8·4	−0·3			1	6	11	26	13	4	1	S 1° E	S 19° W	68	58	441	367	8·17	1·82	Saugor Island.	
·932	·994	1·018	·990	+·037	93	79	84	86	0	8·2	8·6	8·4	+0·1			1	6	4	11	28	11	1	S 34° W	S 54° W	63	63	258*	269	4·30	1·05	False Point.	
·784	·801	·803	·804	−·010	91	76	73	81	− 4	8·6	8·8	8·7	−0·8		3		10	9	13	8	9	10	S 20° W	S 6° E	26	13	187*	209	6·99	1·66	Hazaribagh.	Gangetic Plain and Chota Nagpur.
·949	·957	·949	·965	+·020	93	74	73	82	+ 2	8·5	8·1	8·3	+0·2	4	2	8	13	2	1	8	18	6	N 64° W	N 75° E	14	6	137*	175	10·06	3·31	Allahabad.	
·785	·851	·867	·881	+·040	91	81	80	87	+ 1	7·2	8·1	7·7	+0·2	7	3	2	5	12	8	11	7	3	S 6° W	S 12° W	31	14	32†	26	24·10	7·07	Dehra Dun.‡	Upper Sub-Himalayas.
·888	·919	·955	·948	+·053	90	75	68	81	+ 3	5·3	3·9	4·6	−1·7	15	1	5	3	30		3	1	4	S 54° E	S 36° E	43	32	87	70	11·39	4·57	Roorkee.	
·895	·997	·965	·971	+·108	79	62	53	66	+ 1	1·1	1·7	1·4	−2·9	8	4	3	12	10	6	3	11	5	S 39° E	S 78° E	11	30	79	82	2·46	0·62	Lahore.	
·817	·849	·822	·852	−·031	75	57	48	62	− 8	3·9	3·4	3·7	−2·1	5				37		1	2	17	S 37° E	S 36° E	31	23	42*	58	3·30	1·45	Ludhiana.	
·730	·777	·691	·751	+·009	70	48	35	52	− 2	1·6	4·3	3·0	+0·1	12	15	17	6	1	1	1	5	4	N 21° E	N 48° E	47	47	48*	98	0·57	0·45	Peshawar.	Indus Valley and N.W. Rajputana.
·877	·908	·827	·889	+·040	70	49	34	52	− 1	0·9	0·6	0·8	−1·4				9	20	32	1			S 26° E	S 43° E	84	56	180*	134	0	0	Jacobabad.	
·916	·984	·999	·981	+·032	82	72	70	78	− 3	7·5	6·8	7·2	+0·5						4	27	29	2	S 66° W	S 69° W	87	84	381*	413	0	0	Kurrachee.	
·825	·844	·826	·841	+·007	83	66	59	71	− 5	7·0	7·3	7·2	−0·2	1	4	4	8	3	1	10	20	11	N 79° W	N 78° W	35	30	141	130	5·62	1·80	Jaipur.	E. Rajputana, C. India and Gujarat.
·775	·837	·843	·822		89	77	74	80		7·8	7·6	7·7		10	2	1	1		2	18	26	2	S 75° W		64		102*		12·62	3·20	Udaipur.	
·898	·885	·859	·885	+·061	94	73	63	77	+ 6	8·5	7·2	7·9	−0·1		2				14	35	8	2	S 44° W	S 45° W	81	66	311†	367	5·56	1·25	Deesa §	
·879	·896	·891	·904		88	71	69	78		5·9	6·1	6·0							2	26	28	6	S 72° W		86		355*		7·04	2·34	Jamnagar.	
·663	·710	·698	·695	+·019	98	89	88	94	+ 2	9·4	9·5	9·5	+0·4						1	18	35	8	S 81° W	S 69° W	87	92	500	634	15·95	3·30	Belgaum.	Deccan.
·690	·721	·703	·705	+·044	85	66	58	71	+ 3	9·2	9·0	9·1	+0·6							30	20	12	S 75° W	S 78° W	83	86	406*	346	3·41	1·11	Sholapur.	
·782	·870	·867	·855	+·070	91	79	70	82	+ 5	9·7	9·5	9·6	+1·1	2	1	3				7	29	20	N 75° W	N 75° W	77	72	187*	218	15·97	6·08	Akola.	
·700	·742	·766	·746	+·033	90	76	74	80	+ 2	9·8	9·8	9·8	+1·6	2						14	38	8	S 86° W	N 78° W	87	75	204*	223	13·86	5·20	Buldana.	
·775	·827	·840	·829	+·033	86	76	71	80	+ 2	7·9	6·6	7·3	−0·6		1			1	1	1	23	35	N 64° W	N 85° W	85	82	185*	226	12·33	6·46	Khandwa.	
·800	·861	·887	·864	+·037	92	81	78	88	+ 6	8·4	8·0	8·2	−0·7	5	3	1			9	24	20		S 58° W	S 89° W	69	69	141*	209	14·16	3·12	Nagpur (Sanitary Commr.'s Office).	
·694	·730	·762	·738	+·015	83	72	64	75	+ 1	7·7	7·2	7·5	−0·5	12						5	44	1	S 87° W	N 85° W	77	86	193*	238	5·68	1·83	Hyderabad (Deccan).	
·874	·937	·920	·925	+·004	91	86	85	88	+ 1	9·5	9·4	9·5	+0·8					1	5	25	29	2	S 65° W	S 75° W	84	83	328	166	18·34	3·08	Bombay.	West Coast.
·793	·885	·894	·872	+·026	89	87	85	89	+ 2	7·6	8·5	8·1	+0·2	5	1					17	31	8	S 83° W	S 75° W	79	75	130	139	41·55	4·50	Karwar.	

† Mean of 29 days. § Wind observation 1 less. ‡ Wind observations 4 less. * Corrected.

Table

Abstract of Observations recorded at 10 h. and 16 h. at 62 Stations

Meteorological Province.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure.						Temperature of Air.										Temperature, Wet-bulb.			
			Mean of 10 h.	Mean of 16 h.	Mean daily range.	Mean of daily mean pressures.	Departure from normal.	Mean reduced to sea-level and gravity 45° Lat.	Mean maximum.	Mean minimum.	Mean daily range.	Highest maximum.	Lowest minimum.	Absolute range.	Mean 10 h.	Mean 16 h.	Mean of daily means.	Departure from normal.	Mean minimum.	Mean 10 h.	Mean 16 h.	Mean of three previous columns.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
South India.	Periyakulam	944	28·850	28·746	·104	28·798		29·665	94·0	72·6	21·4	99·4	67·6	31·8	86·0	88·3	83·2		68·5	72·4	73·1	71·4
	Salem	940	·878	·765	·113	·834	—·030	·699	94·7	74·8	19·9	99·9	72·5	27·4	84·8	90·0	82·9	+1·7	72·0	76·2	78·5	75·6
	Chitaldroog	2,405	27·396	27·313	·083	27·363	—·027	·680	82·7	69·3	13·4	90·2	66·9	23·3	76·4	79·0	74·1	+0·8	67·6	70·5	71·4	69·8
	Bangalore	3,021	26·833	26·739	·094	26·794	—·034	·690	82·3	66·2	16·1	88·0	64·5	23·5	74·7	79·3	72·4	+0·4	65·2	68·8	69·7	67·9
	Hassan	3,091	·787	·718	·069	·761	—·010	·738	80·1	65·9	14·2	85·8	64·0	21·8	74·6	74·8	71·1	+2·1	64·9	69·3	69·1	67·8
	Mysore	2,518	27·337	27·256	·081	27·305	—·029	·731	82·3	67·6	14·7	88·9	65·5	23·4	77·6	78·0	73·1	+0·2	65·6	69·5	70·2	68·4
	Pudukkottai	318	29·483	29·367	·116	29·425		·669	96·2	78·0	18·2	102·5	74·6	27·9	88·3	93·0	87·1		71·6	74·1	76·1	73·9
	Madras	22	·730	·623	·107	·687	—·031	·641	97·1	79·1	18·0	103·2	73·0	30·2	89·4	90·4	86·6	+0·9	74·9	79·0	81·2	78·4
	Bellary	1,475	28·277	28·175	·102	28·234	—·048	·633	91·8	75·5	16·3	99·0	71·7	27·3	83·7	87·8	81·8	+0·9	70·0	72·1	72·8	71·6
	Waltair	*226*	29·418	29·320	·098	29·375	—·016	·539	88·8	78·4	10·4	93·2	74·5	18·7	85·1	85·9	82·2	−0·7	74·6	77·9	78·6	77·0
Hill Station, Baluchistan.	Quetta	5,502	24·420	24·347	·073	24·382	—·009	24·342	94·7	66·6	28·1	96·5	55·0	41·5	86·9	92·8	80·3	+2·0	58·8	65·6	64·6	63·0
Hill Stations, Northern India.	Leh	11,503	19·616	19·509	·107	19·567	—·026	19·534	77·2	50·6	26·6	82·5	44·5	38·0	67·9	75·0	62·1	−0·5	41·4	51·7	55·1	49·4
	Srinagar	5,204	24·660	24·577	·083	24·615	—·015	24·586	87·6	64·1	23·5	94·3	57·5	36·8	76·4	85·6	74·1	+1·1	61·3	71·3	78·4	70·3
	Sarain		23·020	22·963	·057	22·988			73·8	60·1	13·7	77·5	53·3	24·2	68·7	69·6	66·6			62·3	63·5	
	Kalabagh	...	20·074	20·036	·038	20·051			57·0	48·6	8·4	60·0	43·1	16·9	53·3	55·0	52·4			51·8	52·9	
	Simla (Ridge)	7,224	22·977	22·929	·048	22·951	—·014	22·913	69·2	60·8	8·4	73·2	55·1	18·1	65·5	67·6	64·7	+0·4	58·9	62·8	64·5	62·1
	Chakrata	7,022	23·136	23·094	·042	23·109	—·015	23·069	69·2	60·9	8·3	72·5	58·0	14·5	66·3	66·4	64·7	0	59·7	64·1	64·8	62·9
	Muktesar	7,600	22·688	22·632	·056	22·658		22·616	69·8‡	59·5	10·3	76·1	57·4	18·7	65·1	66·3	64·3		59·1	63·0	63·9	62·0
	Katmandu	4,388	25·421	25·337	·084	25·377	—·013‖	25·331	84·0	69·7	14·3	87·4	67·1	20·3	77·6	79·5	76·5	+1·4‖	67·8	71·9	72·9	70·9
	Darjeeling	7,376	22·903	22·867	·036	22·883	—·013	22·838	68·0	59·0	9·0	73·0	56·5	16·5	65·3	66·0	63·1	+1·6	58·7	63·9	64·7	62·4
Hill Stations, Central India.	Mount Abu	3,945	25·814	25·755	·059	25·784	—·020	25·735	74·0	66·8	7·2	83·2	64·3	18·9	69·7	72·2	70·0	+0·2	66·0	67·6	69·0	67·5
	Pachmarhi	3,528	26·214‡	26·136	·078	26·175	—·025	26·121‡	76·4	68·2	8·2	81·8	65·2	16·6	72·0‡	74·6	71·9	+0·4	66·9‡	70·1‡	71·7	69·6
	Chikalda	3,642	·124	·037	·087	·081	—·025	·025	75·2	67·1	8·1	80·7	64·9	15·8	70·5	73·8	70·8	+1·1	66·6	69·0	71·0	68·9
Hill Stations, S. India.	Kodaikanal	7,688	22·771	22·714	·057	22·742		22·678	63·6	53·3	10·3	69·2	50·6	18·6	60·6	58·5	58·4		50·1	56·2	56·1	54·1
	Ootacamund	*7,322*	·974	·929	·045	·951		·887	62·1	52·1	10·0	67·0	48·5	18·5	59·0	57·2	56·7		47·7	52·4	51·7	50·6
	Dodabetta	8,539?	21·922	21·887	·035	21·905		21·841	56·4	48·1	8·3	63·7	44·9	18·8	53·9	52·9	52·3		46·7	50·5	49·9	49·0
Extra India.	Aden	94	29·619	29·502	·117	29·556	—·004	29·579	93·6	77·2	16·4	97·5	59·9	37·6	89·6	91·6	85·3	−2·3	66·7	80·6	79·4	75·6
	Perim	201	·517	·405	·112	·456	—·008	·584	98·0	86·6	11·4	101·3	84·1	17·2	94·1	96·3	92·2	+2·4	76·9	81·0	82·3	80·1
	Minicoy	7	·891	·838	·053	·872		·805	85·6			88·4			82·7	82·3				78·5	78·1	
	Zanzibar	72	30·106	30·009	·097	30·065	—·002	30·064	81·3	72·9	8·4	83·2	71·4	11·8	75·8	80·5	77·1	+0·7	69·0	71·9	72·0	71·0
	Port Victoria (Seychelles).	15	29·987	29·921‡	·066	29·955	—·038	29·895‡	80·9‡	76·0	4·9	83·6	72·6	10·0	79·0	79·7‡	77·2‡	+0·8	70·3	74·2	74·2‡	72·9
	Mauritius (Pamplemousses).	181				30·012	—·003	30·143				76·8	55·1	21·7			67·8	+0·3				63·5

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

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

[I—*concluded.*

in India, Burma, etc., for July 1906—concluded.

Vapour Tension.					Humidity.					Cloud.				Wind direction.										Wind Steadiness.		Wind Velocity.		Rainfall.		Station.	Meteorological Province.
														Total number of 10 h. and 16 h. winds from																	
From minimum.	Mean 10 h.	Mean 16 h.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 h.	Mean 16 h.	Mean of daily means.	Departure from normal.	Mean 10 h.	Mean 16 h.	Mean of two previous columns.	Departure from normal.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Mean wind direction.	Normal mean wind direction of month.	Average Percentage.	Normal Percentage.	Mean velocity in miles per diem.	Normal.	Total rainfall for the month.	Heaviest rainfall during the month.		
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
																									%	%						
·645	·614	·613	·626		80	50	47	59		5·5	7·3	6·4		8	8	5	2	6	5	16	7	5	S 65° W		21		96*		0·81	0·28	Periyakulam.	South India.
·749	·791	·830	·788	+·044	87	66	59	72	+ 1	6·6	9·0	7·8	+1·0	1		1			4	12	11	3	S 54° W	S 54° W	84	71	163*	113	1·46	0·49	Salem,	
·657	·676	·678	·670	+·027	91	74	59	79	+ 1	8·4	8·2	8·3	−0·8							22	32	8	S 77° W	S 75° W	69	93	246*	278	3·62	1·27	Chitaldroog.	
·615	·635	·614	·621	+·014	94	74	63	78	+·61	8·2	8·8	8·5							1	24	34	3	S 74° W	S 72° W	90	88	271*	230	6·32	1·60	Bangalore,	
·604	·657	·649	·637	+·028	95	77	76	84	+ 1	9·1	9·0	9·1	−0·2							13	33	16	N 88° W	S 89° W	87	91	113*	120	4·75	1·20	Hassan.	
·608	·623	·642	·624	+·007	89	66	68	75	− 1	9·1	9·3	9·2	0							25	56	1	S 73° W	S 78° W	92	91	345*	346	2·33	0·42	Mysore,	
·686	·657	·675	·673		71	49	44	55		7·8	8·8	8·3		3	2				5	13	12	27	N 80° W		66		261*		4·07	1·32	Pudukkottai.	
·812	·852	·942	·864	+·072	82	62	66	71	+ 3	5·8	6·5	6·2	−1·1			3		13		10	30	6	S 72° W	S 51° W	51	66	193	190	4·44	1·72	Madras.	
·670	·643	·622	·648	+·003	76	56	43	61	− 1	7·4	7·2	7·3	−1·5		1				1	16	35	9	S 85° W	S 87° W	85	90	231*	286	1·19	0·71	Bellary.	
·808	·866	·880	·866	+·015	83	72	71	76	+ 5	7·9	8·0	8·0	+0·7				1		7	43	6		S 43° W	S 52° W	90	77	256*		4·79	1·19	Waltair.	
·424	·412	·319	·389	−·039	64	32	19	38	− 7	0·5	1·8	1·2	−0·5	51	1					1	3	6	N 61° W	S 84° W	14	29	19*	79	0	0	Quetta.	Hill Station, Baluchistan.
·186	·257	·267	·229	−·021	50	36	31	39	− 7	3·5	3·9	3·7	−1·6		1	3	2	3	18	15	19	1	S 42° W	S 75° W	58	39	74	50	0	0	Leh.	
·511	·716	·905	·657	+·018	85	78	72	78§	− 4	4·0	4·4	4·2	+0·2	20	4		2	3	2	5	4	22	N 58° W	N 48° W	35	15	69*	34	0·87	0·25	Srinagar.	
	·498	·525				71	73			7·4	6·4	6·9		33			3	1	19	5	1		S 2° W		37		38*		9·52	2·32	Sarain.	
	·374	·385				92	88			9·3	8·4	8·9		14	13			10	13	1	4	7	S 43° W		7		237*		10·06	2·13	Kalubagh.	
·483	·545	·576	·539	+·009	90	86	85	87	− 1	7·1	7·2	7·2	−1·6	15	31	4		1	6	2		3	N	N 15° E	45	24	64*	86	13·34	3·14	Simla (Ridge).	Hill Stations, Northern India.
·501	·577	·598	·563	+·037	93	89	91	91	+ 2	6·6	6·8	6·6	−1·7	27		1		17	17				S 66° E	S 66° W	50	42	153*	149	16·67	3·62	Chakrata.	
·498	·556	·570	·546		97	90	88	92		8·6	8·2	8·4		14	2	3	2	6	4	5	26		S 71° W		57		179*		7·76	1·39	Muktesar.	
·657	·719	·733	·707	+·014	90	76	73	80	− 1	6·9	7·1	7·0	+0·2	6		6	17	7		4	18	4	S 18° E	S 63° W	5	11	18	21	13·04	1·77	Katmandu.	
·494	·581	·599	·562	+·038	98	93	93	95	0	8·1	9·4	8·3	−0·7	19	1			6	6	15	7	8	S 53° W	S 75° E	39	32	69*	86	32·33	4·98	Darjeeling.	
634	·654	·673	·684	+·011	96	90	85	90	+2	9·4	9·1	9·3	+0·8	1		2	1	1	3	45	4	5	S 50° W	S 51° W	76	68	265* ‡	276	12·64	2·47	Mount Abu.	
·461	·716‡	·746	·713	+·027	94‡	91‡	87	91	+ 3	9·2	8·8	9·0	−0·1	1	1		1			14	35	9	S 87° W	N 87° W	81	75	262*	259	25·15	4·85	Pachmarhi.	Hill Stations, Central India.
653	·693	·729	·702	+·036	97	96	88	94	+ 3	8·6	7·9	8·3	−0·6	10	16	3						43	N 36° W	N 54° W	77	67	214*	240	22·00	4·32	Chikalda.	
336	·411	·427	·391		82	78	57	82		7·5	8·7	8·1		1	4	1			2		21	30	N 59° W		72		407		6·89	1·26	Kodaikanal.**	Hill Stations, S. India.
285	·329	·330	·312		70	66	70	69		8·3	9·2‡	8·8		1			2			7	45	7	W		88		165*		8·47	1·26	Ootacamund.	
308	·332	·331	·324		91	80	81	84		9·7	9·9	9·8		1						13	33	15	N 88° W		85		759 †		7·65	1·20	Dodabetta.	
537	·925	·843	·790	−·032	56	67	57	59	− 4	2·7	2·3	2·5	0 ‖		1	1	3	2	12	36	7		S 36° W	S 1° W	74	73	143* ††	254	0	0	Aden.	Extra-India.
796	·886	·921	·890	+·017	63	55	54	56	− 4	0·6	0·8	0·7	−1·8		4					1	13	44	N 52° W	N 88° W	90	46	394*	267	0·03	0·03	Perim.	
	·917	·909				82	83			6·4	7·0	6·7			2					4	51	5	N 87° W		92		350*		13·73	2·95	Minicoy.	
658	·731	·673	·709	−·008	81	82	65	75	− 2	5·8	1·8	5·3	+0·1					19	25	18			S 1° E	S 6° E	82	83	191*	197	0·67	0·20	Zanzibar.	
672	·788	·779‡	·761	+·010	74	79	76	77	− 1	6·8	6·6	6·7	+1·1‖	1			3	37	18	3			S 31° E	S 33° E	87	86	306	289	2·72	0·95	Port Victoria (Seychelles).	
			·523	+·016				7	+ 1		6·8	+1·7											S 62° E	S 64° E			286	287	5·65	2·23	Mauritius (Pamplemousses).	

* Corrected.

† Mean of 28½ days.
†† „ 27½ „

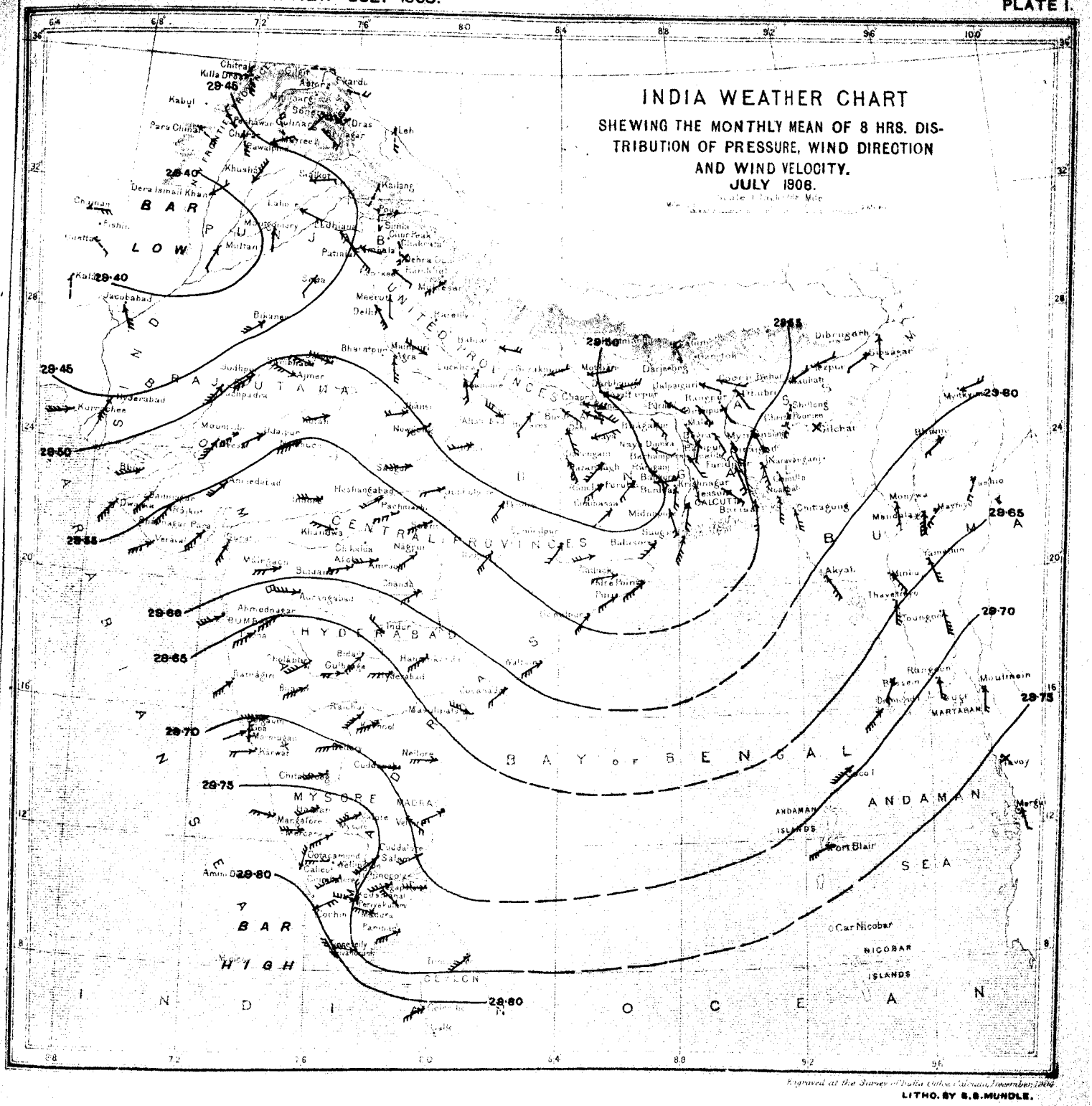
** Wind variable 3.

‡ Mean of 30 days.

§ Mean of three previous columns.

‖ Departures from old normals.

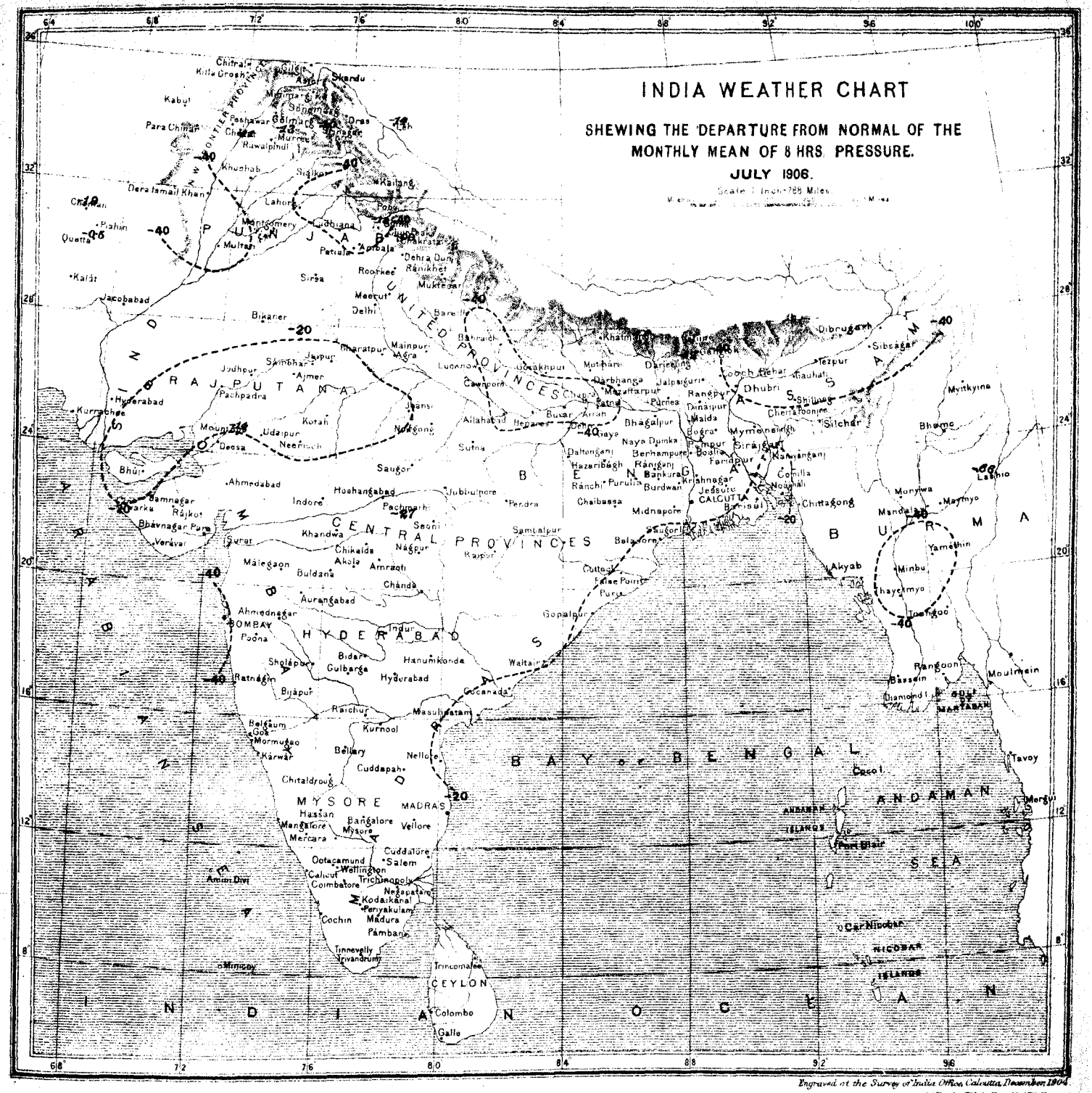
G. I. C. P. O.—No. 181 Meteor.—2-2-07—385.



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

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

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



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

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

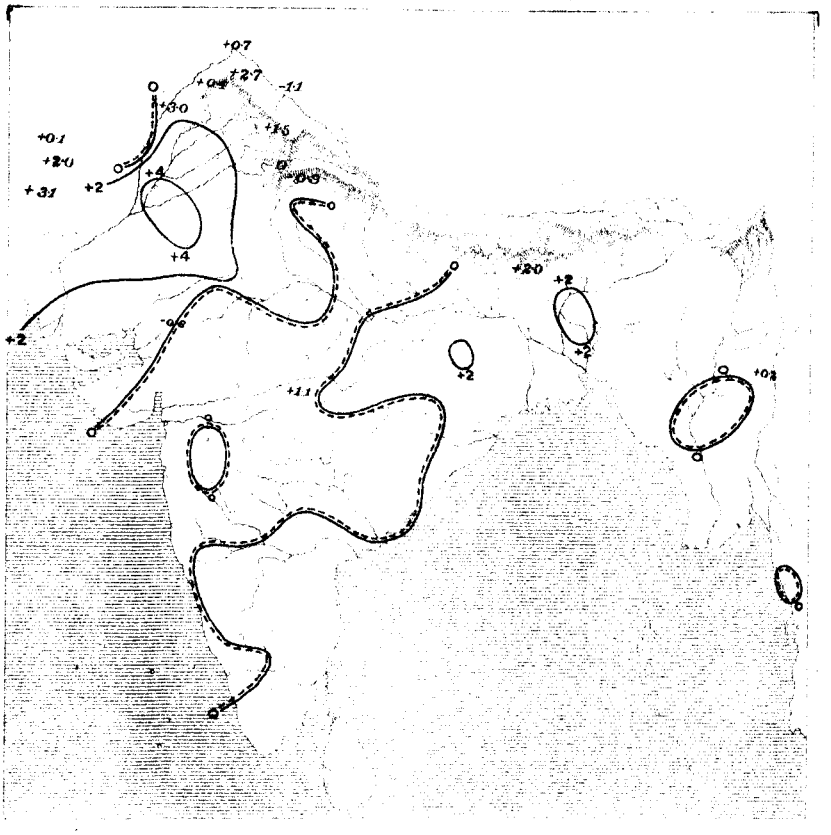
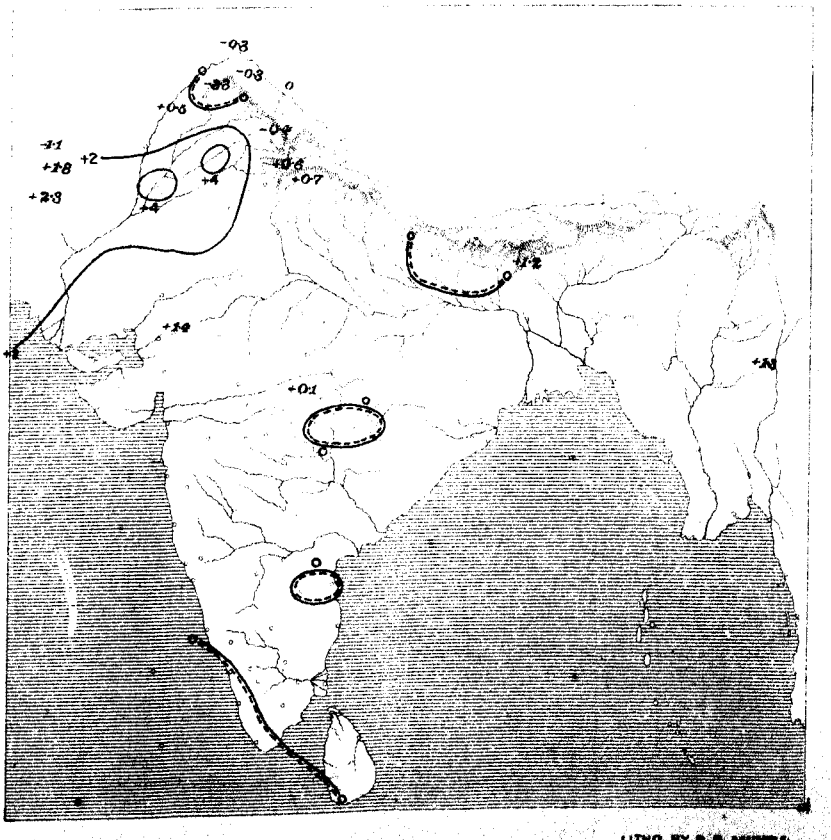


CHART SHEWING THE DEPARTURE FROM NORMAL
OF THE MONTHLY MEAN OF DAILY
MINIMUM TEMPERATURE.



LITHO. BY G. G. MUNDLE.

PLATE IV.

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

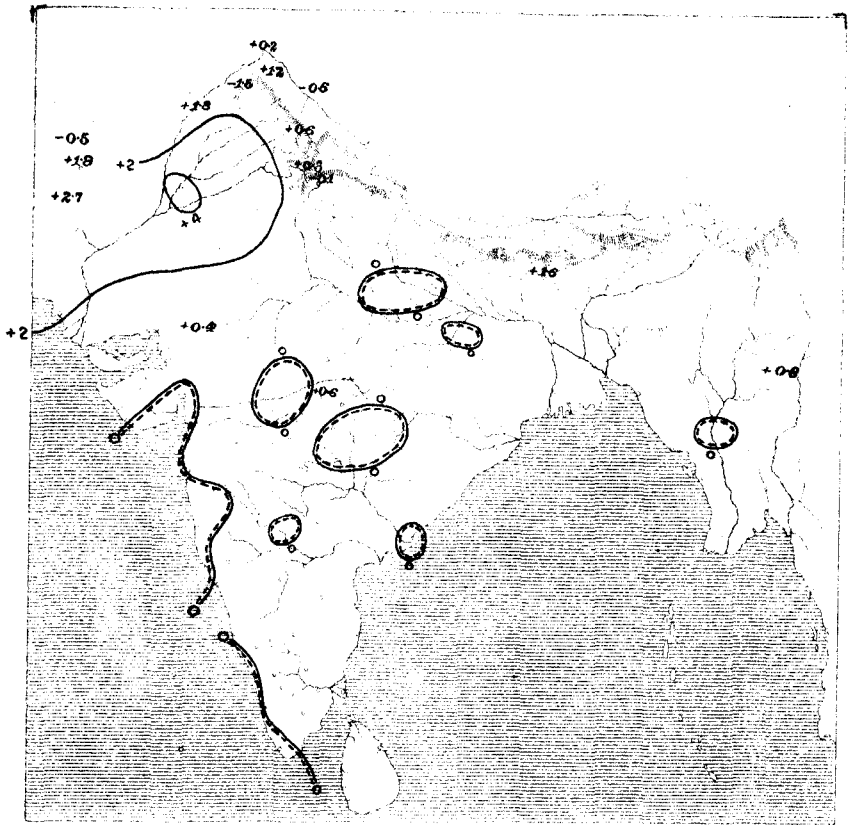
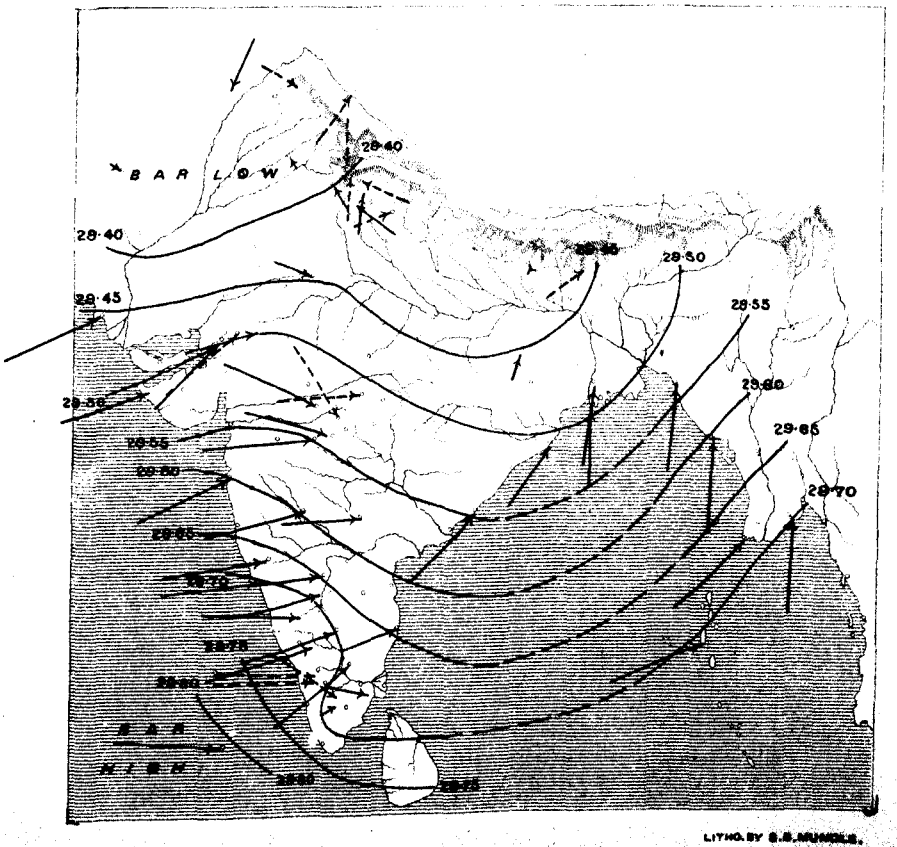


CHART SHEWING THE MONTHLY MEAN OF PRESSURE AND RESULTANT WIND DIRECTION.



LITHO. BY S.S. MUNSHI.

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

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

LITHO. BY S. S. MUNSHI.

PLATE VI.

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

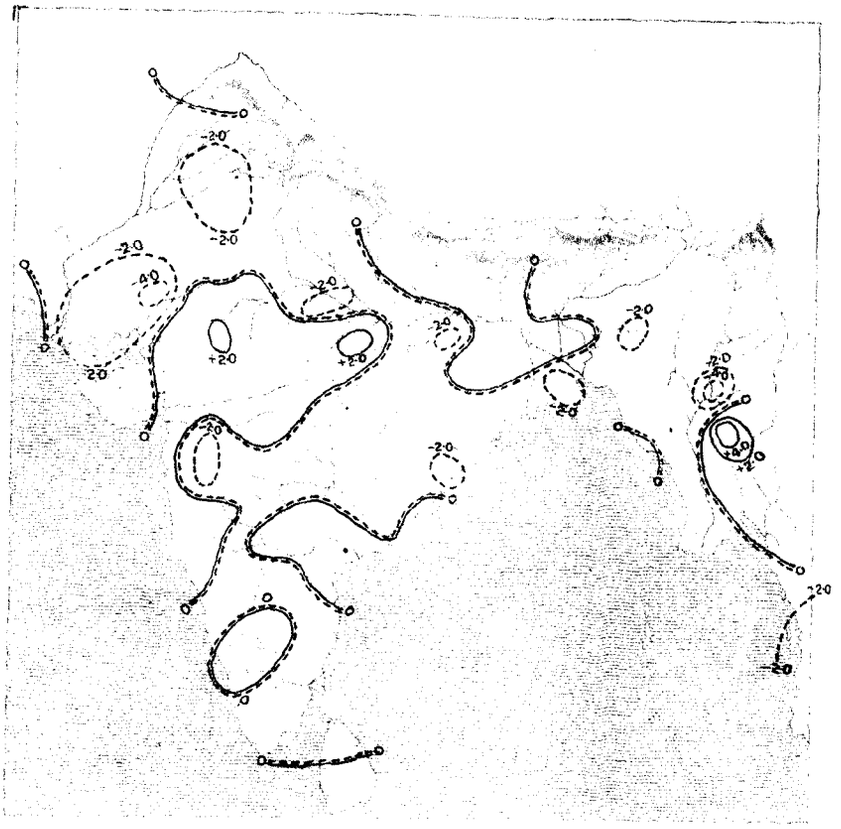
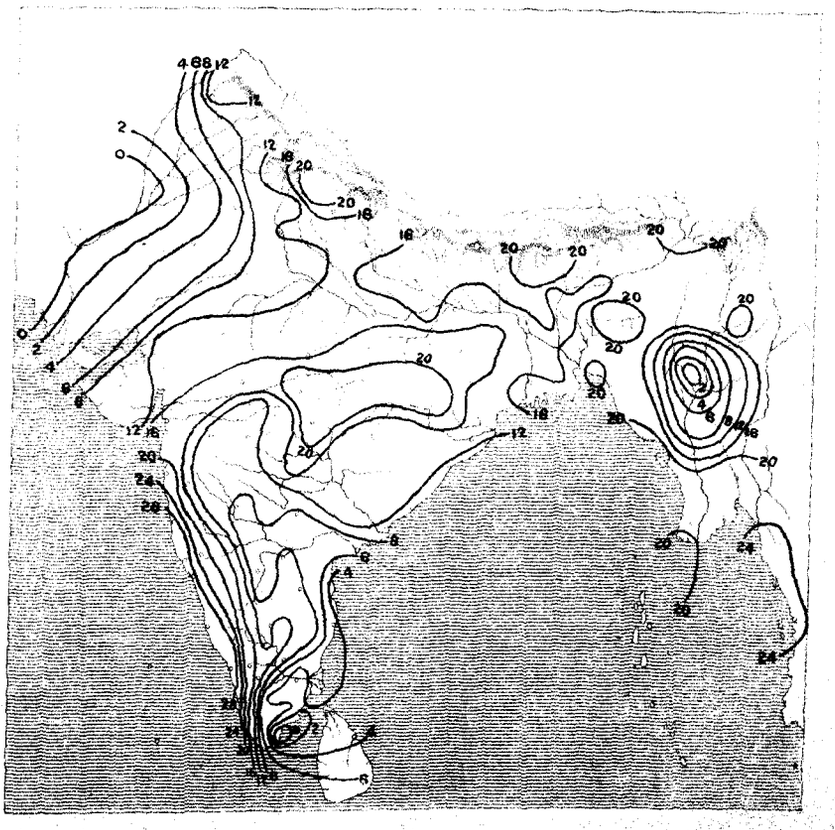
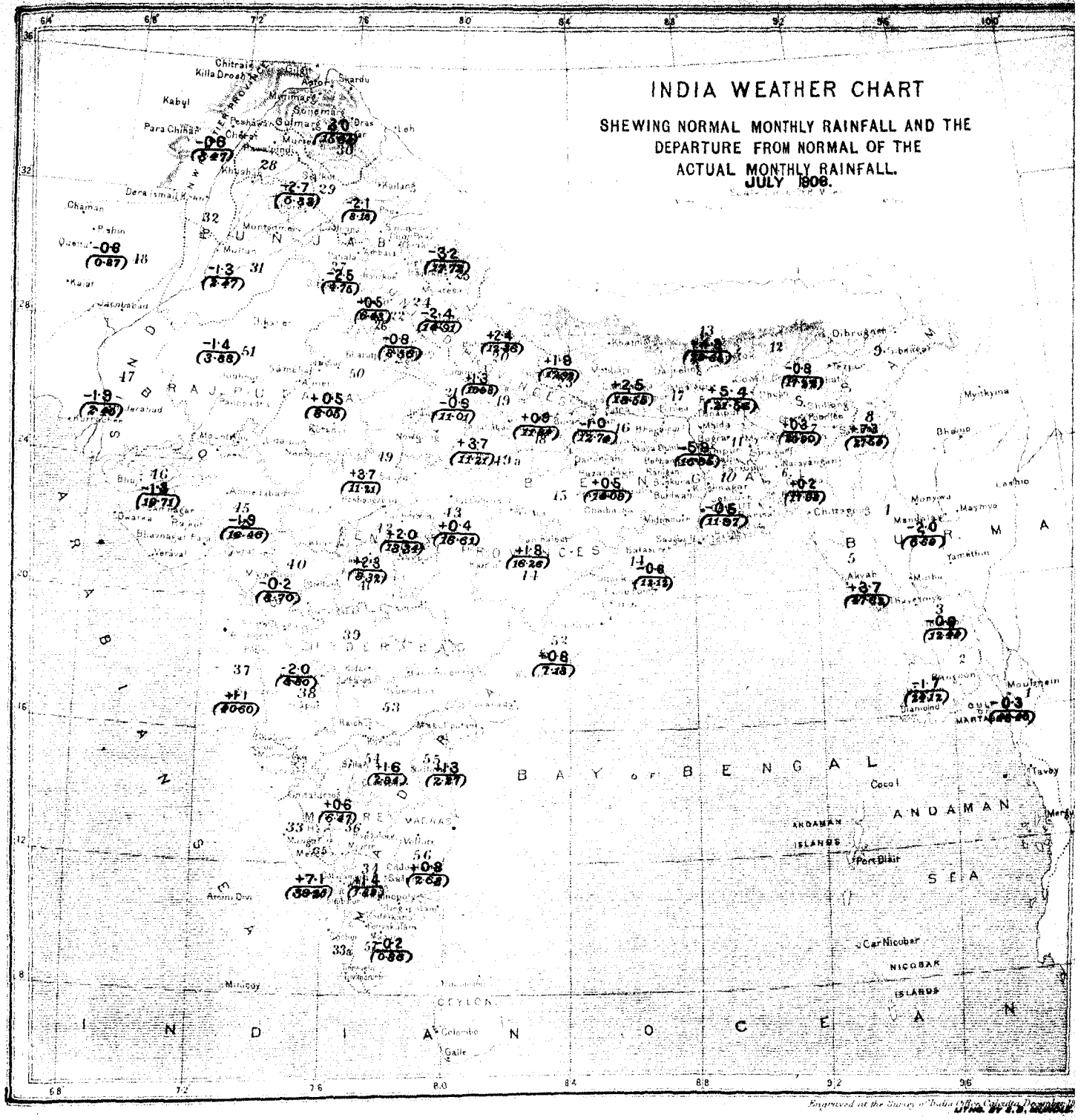


CHART SHEWING THE TOTAL NUMBER OF DAYS IN THE MONTH ON WHICH RAINFALL EQUALLED OR EXCEEDED 0·10 INCH.



The chart shows the distribution of the rainfall of the month by means of isohyetic lines or lines of equal amounts of rain. The data used in the preparation of this chart are the rainfall returns of all the observatories in India except those at the hill stations over 3,500 feet in elevation (177 in number). The double line or line of no rainfall separates areas in which the rainfall exceeded a tenth of an inch from those where it was actually or practically *nil* (*i.e.* less than a tenth of an inch). The dotted line faces the area of no rainfall.



The country is divided into 57 areas, over each of which the meteorological conditions are fairly uniform, and the staple crops similar in character. The numbers in bracket on the chart give the average over the division of the normal monthly rainfall; the numbers above these give the departure from these normals of the average actual rainfall over the division. The name of the district can be ascertained by referring in the following list to the number given in each district in red figures.

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

GOVERNMENT OF INDIA.

METEOROLOGICAL DEPARTMENT.

MONTHLY WEATHER REVIEW

PUBLISHED BY ORDER OF

THE GOVERNMENT OF INDIA.

CALCUTTA, AUGUST 1906.

INTRODUCTION.

THIS review of the weather in India during the month of August, 1906, is based on observations taken daily at 8 h. at 232 stations and on additional observations recorded at 10 h. and 16 h. at 62 stations. In the rainfall summary the data furnished by the meteorological observatories and such rainfall statements of the month as had been published by the provincial Governments, up to the date of the publication of the review have been utilized. The brief notes on solar, seismic and magnetic disturbance have been supplied by the chief observatories.

For a statement of the methods adopted in recording and tabulating the data, for each of the elements of observation, reference should be made to the introductory portion of the review for January.

Summary of the chief features of the weather in India during the month of August, 1906.

2. Weather was less cloudy than usual over the greater part of India and Burma, although at the ground level humidity was approximately normal. Mean temperature was slightly low along the base of the Himalayas and in the south-east of the Peninsula owing chiefly to a defect of day temperature, and high in parts of Rajputana and of the Punjab, but elsewhere mean monthly conditions were practically normal. Pressure was on the average high by ·031″, and its departures from normal varied from a small defect in the south to an excess of ·080″ at the head of the Bay of Bengal. Winds were weak in the Peninsula, but strong in Rajputana, the upper Sub-Himalayas and at the head of the Bay of Bengal.

Rainfall was in excess along the base of the Himalayas at Himalayan hill stations, and in the Peninsula especially in the south. In the belt of country between the Sub-Himalayas and the Peninsula rainfall was on the whole deficient.

Two depressions occurred during the month, one in Gujarat between the 24th and 29th and the other almost simultaneously travelled from the Bay of Bengal across Orissa to Rajputana. In each case some heavy rainfall in the neighbourhood of the depressions was induced by the conditions prevalent at the time.

Solar, seismic and magnetic disturbances.

KODAIKANAL OBSERVATORY.

3. *Solar observations.*—The weather continued very unfavourable for observations during almost the whole month, but by taking advantage of every short break in the clouds it was possible to record the spots on all days except the 22nd and 25th. There were, however, no less than 16 days on which no prominence observations were possible.

Sunspots.—During the first eight days of the month there were never more than two groups visible at once and on the 6th and 19th there was only one group. During the

rest of the month a number of small, and for the most part short-lived, groups made their appearance, and on the 30th and 31st, there were no less than 8 groups visible. The total number of new groups was 26 or one more than last month, while, owing to most of them being very short-lived, the mean daily number was only 3·6 or exactly half of that for July. The number of spots in the northern hemisphere was still in considerable excess, the numbers being 15 north and 11 south. The distribution in latitude was normal.

The most interesting groups of the month were Nos. 924 and 926. The former of these was the return of group No. 905 which was itself the return of No. 880 seen in the latter part of June, and which had been seen as a very small spot in the previous rotation on June 8th. It had thus lasted for 11 weeks and during the last two rotations had undergone very little change except a slight diminution in size. Group No. 926 was first seen on the 26th near the central meridian. There was no trace of it on the 24th, but it may have first formed on the 25th when the sky was overcast. On the morning of the 26th it was already a large scattered group extending over nearly 20° of longitude. No. 931, which came round the east limb on the 29th, was also a large spot. It was of regular outline.

Prominences.—On the 15 days on which observations were possible, 24 prominences of 1 minute and upwards were observed. The tallest was a tree like prominence 2 minutes high seen on the 12th at position angle 65°.

Magnetic disturbances.—There were moderate magnetic disturbances on the 7th and 13th. On the former date there were no spots near the central meridian, but it may be noted that the time interval since the last "great" disturbance on July 30th corresponded to only a little more than half a solar rotation. On the 13th three groups, one of which was disturbed, were near the central meridian.

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

BOMBAY OBSERVATORY.

Note on the Colaba and Alibag records.

4. *Magnetic record.*—During the month the traces showed 11 calm days, 18 days of small and 2 days of moderate disturbances.

The days selected as quiet for the purposes of the magnetic survey of India are the 1st, 16th, 18th, 19th and 23rd.

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

Declination	1° 3′ 5″ east.
Horizontal force	·36884 C.G.S. unit.
Dip	23° 9′·7.
Horizontal force range	·00039 C.G.S. unit.
H. F. summed range	·00276 C.G.S. „
Declination range	5′·34.
Declination summed range	21′·51.

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

Magnetic disturbances.

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

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

Seismic record.—Six seismic disturbances were recorded during the month. Two disturbances were recorded on the 25th, and one on each of the following days, *viz.*, the 2nd, the 17th, the 30th and the 31st ; that recorded on the 17th being the largest.

Date.	Time, G. M. T. Time of beginning.	Max.	End.	Max. applitude.	Duration.
	H. M.	H. M.	H. M.	mm,	H. M.
2nd Aug. 1906.	23 59·6 on Aug. 1st	0 6·4	0 22·4	0·5	0 22·8
17th „ „	0 27·1	Traces overlapped.	4 34·2	...	4 7·1
25th „ „	12 06·5	12 15·4	12 28·6	0·9	0 22·1
25th „ „	14 00·2	14 09·2	15 04·2	5·0	1 4·0
30th „ „	3 46·3	4 06·8	4 48·7	1·3	1 2·4
31st „ „	15 02·9	15 06·4	15 21·2	0·9	0 18·3

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Bombay Observatory.

CALCUTTA OBSERVATORY.

5. *List of displacements recorded by the seismograph at the Alipore Observatory.*

Date 1906.	P. T. Commencement. G.M.T.	L. W. Commencement. G.M.T.	Maxima. G.M.T.	End. G.M.T.	Maximum amplitude in m.m.	Duration.	REMARKS.
	H. M.	H. M.	H. M.	H. M.		H. M.	
1-8-06 .	23-55·0	23-56·0	23-57·0	? (*a*)	1·00	?	
15-8-06 .	22-18·4	0-29·6	22-18·9	22-23·5	0·75	0-5 ·1	
16-8-06 .	23-53·0	17-8 ·06	(*b*)0-52·0	5-19·4	(*b*)18·00	5-26·4	Sensibility 1 m.m.=0″·38 of tilt.
			2-9 ·2				
			2-13 ·3				
20-8-06 .	10-54·0	10-57·0	11- 3·1	11-23·5	1·00	0-29·5	
25-8-06 .	12-10·3	...	12-24·5	12-39·8	0·75	0-29·5	
	14-3 ·1	...	14-17·4	15-17·4	5·00	1-14·3	
26-8-06 .	6-11·3	6-19·4	6-33·6	7-41·8	1·25	1-30·5	
30-8-06 .	3-2 ·1	4-2· 1	4-11·3	4-59·1	1·75	1-57·0	
31-8-06 .	6-5 ·7	..	6-9 ·2	6-22·5	0·50	0-16·8	Sensibility 1 m.m.=0·38 of tilt.
31-8-06 .	14-5·6	..	15-2 ·1	15-36·2	9·00	0-36·6	

(*a*) The end cannot be determined as it has terminated with the morning tremors.

(*b*) Measured from the base line. As the boom moved through the whole breadth of the trace on 3 occasions the times of three maximum displacements have been noted; the maximum amplitude cannot be accurately determined.

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Meteorologist, Calcutta.

SIMLA OBSERVATORY.

6. *List of earthquakes recorded by the Omori-Ewing seismograph at the Simla Observatory.*

Date.	Commencement of P.T. G.M.T.	End of P. T. G.M.T.	Beginning of L. W. G.M.T.	Maxima G.M.T.	End approximately G.M.T.	Duration.	Maximum amplitude in m.m.	REMARKS.
	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.		
9th	...	...	...	8 28·0	..	...	...	Tremor.
11th	...	...	...	0 56·3	...	...	0·1	Local.
15th	...	...	11 24·8	...	11 32·0	...	...	Tremor.
17th	0 22·1	0 50·0 ± 1	0 50·0 ± 1	0 54·0	3 0·0	2 38	...	Valparaiso earthquake. A 2nd max. occurred at 2 h. 9m. G.M.T.
31st	16 5·6	16 8·7	16 8·7	...	16 20·0	0 15·0	...	
,,	...	...	...	16 42·8	...	...	...	Very slight local shock

1. At 21 h. G. M. T. on the 9th a shock of earthquake was felt at Sonemarg and Dras.

2. On the afternoon of the 15th August 1906 at 22 h. 15 m. G. M. T. an earthquake occurred in the south-western half of Rajputana and the adjoining districts of Gujarat. It lasted for several seconds and was followed by three other shocks at Mount Abu at 22 h. 18 m., 22 h. 26 m., and 22 h. 50 m., approximately. The Simla seismograph recorded a slight tremor beginning at 22 h. 24·8 m., and this was no doubt the record of the same earthquake.

3. Owing to the overlapping of the lines made by the tracing pen of the seismograph, it was impossible to tell between what hours the shock occurred, but assuming that this was the same which was felt in Assam, the time would be 16 hrs, 5·6 mins. G. M. T. This shock was generally felt over the Brahmaputra valley in Assam, and also in north Bengal. At Sibsagar it was of sufficient severity to crack the walls of buildings but does not appear to have caused any to collapse.

J. PATTERSON,
Imperial Meteorologist.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

7 *Solar observations.*—Observations were taken on every day except the 4th, 7th, 17th, 23rd, 26th, and 27th, groups of sunspots being seen throughout. They were especially numerous from the 29th to the end of the month and faculæ were visible on each day of observation.

Magnetic disturbances.

Day.	Time.	Disturbance.
4	0¼ h. to 1¼ h. .	Wave in H. F. (+13).
7 to 8	14 h. . . . 8 h. . . .	
8	20½ h. to 22½ h. .	Wave in H. F. (+28).
9	2½ h. to 3 h. . .	Increase of H. F. (23).
10	3 h. to 3½ h. .	Increase of H. F. (13).
11	16 h. to 22 h. .	Frequent small rapid fluctuations in H. F.
12	11½ h. to 20 h. .	General decrease of H. F. (86) with superposed fluctuations (±10) from 14 h. to 15 h. 21¼ h. to 22 h. increase of H. F. (32).
13	2 h. to 3 h. .	Wave in H. F. (+20).
,,	7¾ h. to 10 h. .	Wave in H. F. (+28).
13 to 14	23½ h. . . . 1 h. . . .	Wave in H. F. (+12).
16	22½ h. to 24 h. .	,, ,, (+22).
19 to 20	23¼ h. . . . 0½ h. . . .	Wave in H. F. (+11).
22	1½ h. to 2 h. . .	Increase of H. F. (8).
24	21 h. to 24 h. .	Small fluctuations in H. F.
25	18¼ h. to 19 h. .	Wave in H. F. (+10) steep at commencement and at end.
27 to 28	9 h. . . . 3 h. . . .	Occasional small fluctuations in H. F.

The measurements of horizontal force (H. F.) are given in C. G. S. measure (unit=·00001).

T. F. CLAXTON,
Director.

Weather in the Indian monsoon region.

8. The following table gives the chief features in the sub-equatorial regions for August. The lowness of the barometer at Mauritius was a favourable sign for the prospects of Indian rainfall in September, and at the stations nearer to the equator the winds and rainfall did not indicate any increase of ascensional movement there such as would have been prejudicial to the rainfall in India during the following month :—

August.	Mauritius.	Zanzibar.	Seychelles.
Departure from normal of mean pressure.	—·042″	+·006″	—·003″

August.	Mauritius.	Zanzibar.	Seychelles.
Actual mean wind direction	S 55° E	S 1° W	S 33° E
Normal mean wind direction	S 68° E	S 9° E	S 35° E
Actual mean wind velocity (miles per diem).	239	160	289
Normal mean wind velocity (miles per diem).	296	106	316
Rainfall departure	—0·37	—1·20	—2·16

Depressions and cyclonic storms.

9. Two depressions of a moderate character affected the weather during the month, one of which was formed in the neighbourhood of Gujarat and the other in the Bay of Bengal. The former appeared first on the 24th and was formed by a slight deepening in Gujarat and the neighbouring sea area of the trough of low pressure which at that time stretched almost unbroken from the Circars coast across the head of the Peninsula. The depression was deepest probably on the 27th when the defect in Gujarat was a quarter of an inch, and it had practically disappeared by the 29th without travelling further inland. During its continuance, heavy rainfall occurred in Gujarat and light rainfall in Sind. The depression in the Bay of Bengal was formed off the Orissa coast and crossed northern India between the 27th and the 31st. Its early stages of development began on the 24th, when the barometer fell briskly in the north-east of the Peninsula with a greatest change of nearly a tenth of an inch in Orissa, and by the 26th the signs of the formation of a depression had become visible in the north-west of the Bay. On the next day the depression centre had a barometric depth of about a quarter of an inch, crossed the coast near False Point and proceeded in a west-north-westerly direction towards Rajputana, which it reached in a considerably weakened form on the last day of the month. Moderate rainfall occurred in the area under the influence of the storm, and on the 29th some heavy falls were reported, six and seven inches being recorded at Seoni and Nagpur respectively. On the two following days the depression caused some heavy rainfall in the area from the west of the Central Provinces to south Rajputana and east Gujarat.

Pressure.

10. The geographical mean of pressure during August was as much in excess of the normal as that of July was in defect, the monthly average height of the barometer taken over the whole Indian area having been high by ·03″.

Considerable deviations from the mean condition are shown in plate II to have occurred; pressure in the north-east was from ·04″ to ·08″ higher than usual, and only in the southern half of the Peninsula were the barometer readings below normal.

The pressure in northern India is at this time of the year lower than that in the south and accordingly the effect of the departures from normal conditions was the diminution of the usual gradients from south to north of India. In the hills of Baluchistan, northern India and Burma, pressure was in excess, but to a less extent than in the neighbouring plains.

The excess of pressure was strongly marked over the whole area during the first half of the month, but from the 17th onwards defects were continuously recorded in the south of the Peninsula: this condition spread northwards from the 23rd to the 26th by which day the pressure over practically the whole of India was below normal, and in consequence of the formation of a depression in the north-west of the Bay of Bengal was falling rapidly in Orissa. By the 27th the centre of the depression had crossed the coast between False Point and Balasore, and thereafter until the end of the month, during its passage across the country, it lowered the barometer over a large part of northern India.

The following two tables shew details of pressure for the month :—

HILL STATION.	Departure from normal pressure.	PLAIN STATION.	Departure from normal pressure.	Departure of pressure difference.
	"		"	"
Quetta	+·005	Jacobabad	+·024	+·019
Leh	+·015	Lahore	+·020	+·005
Simla	+·032	Ludhiana	+·032	·0
Murree	+·013	Peshawar	+·016	+·003
Chakrata	+·029	Roorkee	+·047	+·018
Darjeeling	+·027	Dhubri	+·034	+·007
Mount Abu	+·027	Deesa	+·019	—·008
Pachmarhi	+·025	Khandwa	+·023	—·002
Lashio	+·037	Bhamo	+·061	+·024

METEOROLOGICAL PROVINCE.	Departure from normal of mean 8 h. pressure.
	"
Burma Coast and Bay Islands	+·035
Burma Inland	+·048
Assam	+·043
Bengal and Orissa	+·066
Gangetic Plain and Chota Nagpur	+·052
Upper Sub-Himalayas	+·035
Indus Valley and North-West Rajputana	+·025
East Rajputana, Central India and Gujarat	+·032
Deccan	+·026
West Coast	—·008
South India	+·007

Temperature.

11. The mean temperature of the month was practically normal over the whole of India and Burma, the greatest departures occurring in the area round Ajmer where an excess of 3·5 was recorded. In the hill stations of Baluchistan there was a marked excess of mean temperature, but this decreased eastwards along the Himalayas and at Lashio in Burma was not noticeable at all. Charts of maximum and minimum temperatures for the month have very similar features, in each case the region of largest excess being situated in Rajputana. In the case of maximum temperature, however, the north-west submontane stations shewed a defect which reached 5°·0 round Ambala and Ludhiana.

During the first fortnight a band of low temperatur skirted the Himalayas from Assam westwards to the Punja and from the 15th to the 29th the south of the Peninsul had weather continuously cooler than the normal, but n very large persistent departures from usual temperature con ditions occurred in any other part of India or Burma.

A wave of slightly low temperature was associated wit the depression which passed inland from the Bay on th 27th, and its centre, which on the last two days of th month shewed defects of about 10°, lay a little to the sout of the deepest part of the depression itself.

In the following tables detailed figures of temperatur for the month will be found :—

PROVINCE.	DIVISION.	ACTUAL TEMPERATURE. Mean maximum.	Mean minimum.	Monthly mean of mean between maximum and minimum	Mean daily range of temperature.	Absolute range during month.	DEPARTURE FROM NORMAL OF MONTH Maximum.	Minimum.	Daily range.
		°	°	°	°	°	°		°
BURMA	Tenasserim	85·9	76·0	81·0	9·9	17·0	+2·3	+1·2	+1·1
	Lower Burma (Deltaic)	86·3	77·0	81·6	9·3	17·7	+1·6	+1·3	+0·3
	Central do.	90·7	76·8	83·8	13·9	21·5	+2·9	+1·3	+1·6
	Upper do.	90·8	76·9	83·9	14·0	24·1	+0·8	+0·5	+0·3
	Arakan	85·5	77·6	81·6	7·9	16·2	+1·1	+0·3	+0·8
BENGAL AND ASSAM.	Eastern Bengal	86·0	77·3	81·7	8·7	15·3	—0·6	—0·6	0
	Assam (Surma)	87·3	75·9	81·6	11·4	31·2	—2·2	—0·9	— 1·3
	Do. (Hills)	72·5	63·8	68·2	8·7	16·3	...	...	...
	Do. (Brahmaputra)	86·0	76·9	81·5	9·1	17·9	—2·5	—0·4	— 2·1
	Deltaic Bengal	88·8	79·1	84·0	9·8	15·7	+0·9	+0·3	+ 0·6
	Central do.	88·9	78·2	83·6	10·7	15·9	+0·1	—0·5	+ 0·6
	North do.	86·9	77·6	82·2	9·3	18·9	—1·5	—0·5	— 1·0
	Bengal Hills	63·6	53·2	58·4	10·4	18·8	+0·5	+0·2	+ 0·3
	Orissa	88·8	78·8	83·8	10·0	17·0	+1·0	+0·8	+ 0·2
	Chota Nagpur	87·6	75·4	81·5	12·2	18·1	+0·9	+0·1	+ 0·8
	South Bihar	88·5	78·5	83·5	10·0	17·2	—0·6	—0·5	— 0·1
	North do.	87·5	78·3	82·9	9·2	16·1	—1·9	—0·6	— 1·3

Province.	Division.	Actual temperature. Mean maximum.	Mean minimum.	Monthly mean of mean between maximum and minimum.	Mean daily range of temperature	Absolute range during month.	Departure from normal of month of Maximum.	Minimum.	Daily range.
		°	°	°	°	°	°	°	°
United Provinces of Agra and Oudh.	United Provinces (East)	89·8	77·9	83·9	11·9	21·1	+0·2	−0·8	+ 1·0
	South Oudh	89·5	78·4	84·0	11·1	20·4	−0·8	−0·2	− 0·6
	North do.	88·7	78·2	83·5	10·5	17·1	−1·2	+0·2	− 1·4
	United Provinces (Central)	90·5	78·3	84·5	12·2	22·1	+0·7	+0·4	+ 0·3
	Do. do. (West)	90·8	79·1	85·0	11·7	20·5	−0·3	+0·6	— 0·9
	Do. do. (East Submontane).	87·5	77·8	82·7	9·7	17·2	−2·3	−1·0	— 1·3
	Do. do. (West Submontane)	84·9	74·7	79·8	10·2	18·6	−2·5	−0·4	— 2·1
	Do. do (Hills)	67·3	59·0	63·2	8·4	15·6	−1·6	+0·4	— 2·0
Punjab	Punjab (South-East)	92·1	80·1	86·1	12·0	22·6	+0·3	+0·8	— 0·5
	Do. (South)	94·3	80·2	87·3	14·1	23·9	+1·4	+2·7	— 1·3
	Do. (Central)	98·6	81·3	90·0	17·3	31·2	+0·4	+3·5	— 3·1
	Do. (Submontane)	90·3	77·2	83·8	13·2	24·7	−3·8	−0·4	— 3·4
	Do. (Hills)	79·2	58·1	68·4	21·0	36·1	+1·0	+0·3	+ 0·7
	Do. (West)	101·9	83·5	92·7	18·4	34·9	+0·9	+2·0	— 1·1
N.-W. F. Province	North-West Frontier Province	99·5	80·2	89·9	19·3	36·7	−0·7	+0·8	− 1·5
Bombay and Malabar Coast Districts (Madras).	Malabar	82·4	74·6	78·5	7·9	14·0	−0·5	+0·2	— 0·7
	Madras (South Central)	88·4	72·1	80·3	16·3	25·5	−2·1	+0·6	— 2·7
	Coorg	71·4	62·5	67·0	8·9	15·9	+1·7	+0·5	+ 1·2
	Mysore	81·3	66·8	74·1	14·5	22·6	−0·2	+0·7	− 0·9
	Konkan	83·4	76·7	80·1	6·7	12·5	+0·3	+1·0	— 0·7
	Bombay Deccan	84·1	69·4	76·8	14·7	24·6	+0·9	+0·4	+ 0·5
	Hyderabad (North)	85·7	71·6	78·7	14·2	23·8	...	...	...
	Khandesh	86·5	70·1	78·3	16·4	26·1	+0·8	−0·2	+ 1·0
Central Provinces and Berar.	Berar	88·0	73·8	81·0	14·2	28·7	+1·4	+0·9	+ 0·5
	Central Provinces (West)	86·8	74·2	80·5	12·5	24·1	+1·6	+0·1	+ 1·5
	Do. do. (Central)	86·9	74·2	80·5	12·7	21·9	+2·1	+0·9	+ 1·2
	Do. do. (East)	86·6	75·0	80·8	11·5	19·0	+1·2	−0·1	+ 1·3
Bombay (North)	Gujarat	88·8	76·3	82·6	12·5	20·6	+0·1	−0·1	+ 0·2
	Kathiawar and Cutch	87·3	76·8	82·0	10·5	18·2	0	+0·3	− 0·3
	Sind	96·7	80·5	88·6	16·2	27·9	+0·9	+0·9	0
	Baluchistan Hills	95·6	65·3	80·5	30·3	47·9	+2·0	+4·6	— 2·6
Rajputana and Central India.	Central India	86·6	74·8	80·8	11·8	20·2	+1·2	+0·7	+ 0·5
	Rajputana (East)	92·0	77·5	84·8	14·5	24·1	+3·7	+2·1	+ 1·6
	Do. (West)	96·7	79·6	88·0	17·1	25·9	+1·7	+1·3	+ 0·4
Madras	East Coast (North)	88·5	78·5	83·5	10·0	19·3	+0·1	+0·2	— 0·1
	Hyderabad (South)	88·1	73·3	80·8	14·8	24·4	+0·7	+1·1	− 0·4
	Madras (Central)	91·5	74·7	83·1	16·8	27·0	+0·1	0	+ 0·1
	East Coast (Central)	92·4	77·9	85·1	14·5	26·9	−1·1	−0·3	— 0·8
	Do. (South)	92·0	75·8	83·9	16·2	26·5	−2·2	−0·4	− 1·8
	Madras (South)	91·7	75·1	83·0	16·6	26·3	−2·0	−1·7	− 0·3

Meteorological Province.	Departure from normal of Mean maximum temperature.	Mean minimum temperature.	Mean temperature.
	°	°	°
Burma Coast and Bay Islands	+2·1	+1·2	+1·7
Burma Inland	+1·1	+0·5	+0·8
Assam	−2·4	−0·6	−1·5
Bengal and Orissa	−0·1	−0·1	−0·1
Gangetic Plain and Chota Nagpur	−0·3	−0·3	−0·3
Upper Sub-Himalayas	−1·9	+0·5	−0·7

Meteorological Province.	Departure from normal of Mean maximum temperature.	Mean minimum temperature.	Mean temperature
	°	°	°
Indus Valley and North-West Rajputana.	+0·7	+1·3	+1·0
East Rajputana, Central India and Gujarat.	+1·2	+0·8	+1·0
Deccan	+1·3	+0·6	+0·9
West Coast	−0·1	+0·6	+0·3
South India	−1·1	−0·1	−0·6

Winds.

12. Immediately at the head of the Bay of Bengal winds had a greater steadiness and tended to be stronger than usual but in most other parts of India and Burma their steadiness was much below normal.

In the Peninsula generally velocity was very low, but further to the north winds in Rajputana and the upper sub-Himalayas were on the whole above normal strength.

In the hill stations of central and northern India also velocity was low, but at Mount Abu the winds agreed with those in the plains below in being stronger than is usual in August.

Humidity and cloud.

13. Absolute humidity or vapour tension, and relative humidity had very similar distribution, but owing to the slight temperature defect in the area along the base of the hills, the latter was inclined to exceed the normal there while absolute humidity remained low.

A reference to the charts on Plate V will show that a large area of defect in humidity reached from the Orissa coast across the Central Provinces into Rajputana, and embraced much of the United Provinces. In the north-west and in the Peninsula there was a general excess which was largest on the south Madras coast.

Cloud amount was in defect over the greater part of the country, but areas in which skies were more nearly overcast than usual occurred along the base of the hills from Bengal to the North-West Frontier Province, along the Malabar coast, and in lower Sind, Cutch and Central India.

Meteorological Province.	Mean absolute humidity.		Mean relative humidity.		Mean cloud amount.	
	Average actual.	Departure from normal.	Average actual.	Departure from normal.	Average actual.	Departure from normal.
	"	"	%			
Burma Coast and Bay Islands.	·891	—·008	86	—3	7·4	—1·0
Bengal and Orissa .	·957	+·001	87	—1	7·9	—0·4
Gangetic Plain and Chota Nagpur.	·858	—·021	83	—2	8·5	—0·4
Upper Sub-Himalayas.	·901	+·027	84	+5	6·2	+0·3
Indus Valley and North-West Rajputana.	·898	+·052	70	+3	4·2	+0·2
East Rajputana, Central India and Gujarat.	·808	—·006	73	—4	7·6	—0·3
Deccan . . .	·748	+·018	81	0	8·1	0
West Coast . . .	·875	+·014	88	0	7·6	—0·3
South India . . .	·725	+·028	79	+4	7·7	—0·2

Rainfall.

14 Along the base of the Himalayas from Assam westwards to the Frontier Province rainfall was in excess, but from the submontane districts southward to the Peninsula a general defect occurred except in the west Punjab, Kathiawar, Berar, and the adjoining districts of the Central Provinces.

Over the greater part of the Peninsula the rainfall was practically normal but in south and south-central Madras it was in very great excess the total falls having been 293% and 266% of their respective normal values.

During the first three weeks weather was continuously wet in Bengal and the submontane districts where the excess occurred, but from the 22nd onwards the influence of the depression from the Bay was to reduce considerably the rainfall there and bring it further south into Orissa, the Central Provinces, Central India and Rajputana. Details are given in the following tables:—

Province.	Division.	Number of rainy days.		Rainfall.			
		Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure.
				Inches.	Inches.	Inches.	Per cent.
Burma	Tenasserim	21·7	26·9	27·46	42·56	—15·10	—35
	Lower Burma Deltaic	17·4	24·9	11·32	22·25	—10·93	—49
	Central do.	11·3	17·9	6.05	10·71	— 4·66	—44
	Upper do.	8·1	10·3	4·81	7·29	— 2·48	—34
	Arakan	21·0	26·0	25·68	39·76	—14·08	—35

Province.	Division.	Number of rainy days.		Rainfall.			
		Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure.
				Inches.	Inches.	Inches.	Per cent.
Bengal and Assam	Eastern Bengal	20·4	18·0	25·90	16·46	+ 9·44	+57
	Assam (Surma)	25·5	21·6	30·78	20·82	+ 9·96	+48
	Do. (Hills)	22·5	21·4	32·39	23·05	+ 9·34	+41
	Do. (Brahmaputra)	18·4	16·2	18·13	14·60	+ 3·53	+24
	Deltaic Bengal	15·2	16·0	10·37	12·11	— 1·74	—14
	Central do.	17·9	15·1	13·36	11·33	+ 2·03	+18
	North do.	19·6	15·8	31·09	17·60	+13·49	+77
	Bengal Hills	24·0	23·5	36·38	22·69	+13·69	+60
	Orissa	12·3	15·1	8·25	12·08	— 3·83	—32
	Chota Nagpur	15·9	16·4	9·37	13·35	— 3·98	—30
	South Bihar	14·2	13·4	10·41	11·52	— 1·11	—10
	North do.	17·7	13·4	21·62	12·16	+ 9·46	+78
United Provinces of Agra and Oudh.	United Provinces (East)	12·0	13·1	8·05	11·38	— 3·33	—29
	South Oudh	11·0	12·3	7·93	11·23	— 3·30	—29
	North do.	13·3	12·4	13·30	11·70	+ 1·60	+14
	United Provinces (Central)	8·6	12·0	6·77	10·56	— 3·79	—36
	Do. (West)	7·1	9·4	4·34	7·91	— 3·57	—45
	Do. (East Submontane)	15·5	12·7	17·57	11·71	+ 5·86	+50
	Do. (West do.)	13·2	12·8	13·57	14·13	— 0·56	— 4
	Do. (Hills)	18·9	17·6	16·13	17·40	— 1·27	— 7
Punjab	South-East Punjab	5·8	7·3	3·85	6·47	— 2·62	—40
	South do.	5·5	5·0	3·05	4·18	— 1·13	—27
	Central do.	6·3	5·1	4·85	4·92	— 0·07	— 1
	Punjab Submontane	13·0	8·0	11·30	8·13	+ 3·17	+39
	Do. Hills	21·7	14·7	31·72	16·35	+15·37	+94
	West Punjab	2·9	2·9	3·23	2·12	+ 1·11	+52
North-West Frontier Province.	North-West Frontier Province	7·0	4·6	4·59	3·56	+ 1·03	+29
Bombay and Malabar Coast Districts (Madras).	Malabar	20·7	20·9	18·37	19·32	−0·95	− 5
	Travancore	17·8	...	13·40	...	...	...
	Madras (South Central)	12·1	5·3	9·01	3·39	+5·62	+166
	Coorg	21·8	...	22·30	...	...	...
	Mysore	14·2	8·3	9·89	5·13	+4·75	+93
	Konkan	20·6	24·7	19·36	24·84	−5·48	−22
	Bombay Deccan	10·6	9·8	7·40	5·93	+1·47	+25
	Hyderabad (North)	8·7	11·4	6·37	7·92	−1·55	−20
	Khandesh	10·7	10·3	7·75	6·30	+1·45	+23
Central Provinces and Berar.	Berar	11·8	10·3	11·30	6·94	+4·36	+63
	Central Provinces (West)	11·6	13·0	13·16	10·57	+2·59	+25
	Do. (Central)	12·9	15·1	9·77	13·81	−4·04	−29
	Do. (East)	13·2	15·0	9·85	13·90	—4·05	−29
Bombay (North)	Gujarat	13·4	13·3	9·79	9·79	0	0
	Kathiawar and Cutch	10·2	8·4	7·68	6·77	+0·91	+13
	Sind	2·0	2·2	1·70	2·21	—0·51	—23
	Baluchistan Hills	1·8	1·3	0·99	0·81	+0·18	+22
Rajputana and Central India.	Central India (East)	10·1	13·0	6·72	11·44	−4·72	—41
	Rajputana (East), Central India (West).	4·8	9·2	2·91	7·46	—4·55	—61
	Rajputana (West)	3·9	4·3	2·80	3·32	—0·52	−16
Madras	East Coast (North)	11·6	11·0	9·57	7·44	+2·13	+29
	Hyderabad (South)	11·1	10·4	8·08	6·43	+1·65	+26
	Madras (Central)	9·0	6·6	5·32	3·86	+1·46	+38
	East Coast (Central)	8·4	5·3	4·27	3·13	+1·14	+36
	East Coast (South)	10·4	6·8	8·16	4·70	+3·46	+74
	Madras (South)	6·3	2·4	4·25	1·45	+2·80	+193

DIVISION.	RAINFALL IN INCHES, AUGUST. Actual.	Normal.	Departure from normal.	Percentage departure from normal.
Burma	15·06	24·51	—9·45	—39
Eastern Bengal and Assam	23·01	15·82	+7·19	+45
Bengal	12·16	12·29	—0·13	— 1
United Provinces of Agra and Oudh.	10·22	11·23	—1·01	— 9
Punjab	5·14	4·90	+0·24	+ 5
Rajputana	2·86	5·39	—2·53	—47
Central India	6·72	11·44	—4·72	—41
Sind	1·70	2·21	—0·51	—23

DIVISION.	RAINFALL IN INCHES, AUGUST. Actual.	Normal.	Departure from normal.	Percentage departure from normal.
Gujarat	8·74	8·28	+0·46	+ 6
Konkan	19·36	24·84	—5·48	—22
Bombay Deccan and Karnatak.	7·58	6·12	+1·46	+24
Central Provinces	11·02	11·31	—0·29	— 3
Hyderabad	7·23	7·18	+0·05	+ 1
Mysore	9·89	5·13	+4·76	+93
Madras	8·42	6·18	+2·24	+36
Mean of India when the size of the above areas is taken into account.	10·59	11·97	—1·38	—12

Snowfall.

I.—NORTH-WEST FRONTIER PROVINCE.

15. *Khyber.*—No snow fell during the month.

II.—KASHMIR.

Little or no snow fell during the month. Weather was very dry in Ladak, and the road to the north of Leh was clear of snow.

III.—PUNJAB.

(*a*) *Kulu.*—Several light falls occurred in the early part of the month in Spiti down to about 17,000 feet.

(*b*) *Simla Hills.*—No snow fell on the mountains near Kilba, and all the passes remained open to travellers.

IV.—UNITED PROVINCES.

Almora.—Snow storms were unusually frequent on the Nuwe pass and of occasional occurrence on the other high peaks and ranges. The total fall measured 25¼ feet in depth on the Nuwe pass, and 8 feet on the Binkaru pass.

The statement below gives the depth of accumulation on the various peaks and passes, together with the corresponding data for 1905:—

NAME OF PASS.	REPORTED DEPTH OF SNOW ACCUMULATION AT END OF AUGUST. 1906.	1905.
Untadhura	15 feet.	9 feet.
Ralamdhura	12 „	6 „
Milamdhura	6 „	3½ „
Nuwe pass	24 „	21 „
Binkaru pass	12 „	
Lipu Lekh pass	2 „	

16. Summary of the preceding information.

(*a*) There was but little snowfall in Kashmir and the hill districts of the Punjab, though several light falls occurred locally in Spiti.

(*b*) Weather was more disturbed than usual in the Almora hills, where heavy snow fell on the higher passes. The melting of snow ordinarily proceeds fast at this time of year, but, in consequence of the heavy snowfalls in the Almora hills during the month, the accumulation there at the end of August was as great as in July.

Crop report.

17. Burma.—Rainfall was insufficient during the first part of the month, and, though it increased towards the end, crops were withering for want of moisture in several parts of Burma. Reaping of sesamum had commenced and agricultural operations were in progress in connection with the crops of millet, *juar* and beans.

Eastern Bengal and Assam.—Heavy rain and floods caused some damage, but at the end of the month the prospects of the crops were generally fair. The out-turn of tea was below average in Cachar and was fair to good elsewhere. Harvesting of early rice and jute was in progress.

Bengal.—The autumn crops and the *aman* paddy were damaged by heavy rain and floods in the northern districts, while agricultural operations were retarded for want of rain in the southern, especially in Orissa.

United Provinces.—Heavy rain and floods caused some damage to the standing crops in the north, especially

in the eastern districts. Rice was being transplanted, millet and some of the earlier crops were being reaped, and fields prepared for the spring crops.

Punjab.—Rainfall was deficient in the central and south-western districts but prospects improved towards the end of the month. Sowings of autumn crops and ploughing for next spring were in progress. The condition of standing crops was on the whole good to average.

North-west Frontier Province.— Rain which was received during the latter half of the month was beneficial to the standing crops and to spring sowings. Harvest prospects and the out-turn of the autumn crops were fair, and the condition of cattle generally good.

Jummoo and Kashmir.—The condition of the standing crops was good, and fodder was sufficient.

Rajputana.— Prospects were on the whole favourable, though more rain was needed and crops in some parts were withering. The condition of cattle was generally good and pasture was available.

Central India.—The preparation of land for spring crops was in progress. The condition of the standing crops and probable out-turn were fair to good, and pasturage was sufficient.

Central Provinces.—The weeding of autumn crops and the transplantation of rice were in progress, and the land was being prepared for spring sowings. Prospects on the whole were good.

Bombay.—The sowing of cotton was progressing and the area sown was larger than usual. The standing crops were generally in good condition, but more rain was required for the rice crop. The condition of cattle was improving.

Hyderabad.—The condition of standing crops was fair and prospects were good. The sowing of early rice and of the autumn crops continued, and land was being prepared for spring cultivation.

Mysore.—The condition of the standing crops was good and prospects were encouraging. Water and fodder were available and cattle were generally healthy.

Coorg.—The trasplanting of rice was completed. Water and fodder were sufficient.

Madras.—The condition of the standing crops was generally fair. There were no harvests in parts of the division, and elsewhere the out-turn was poor to normal. The condition of cattle was good, and pasture sufficient except in Tinnevelly.

J. H. FIELD.

Table I.—Abstract of Observations taken at 8 h. at 232 Stations in India, Burma, etc., in August, 1906.

Table

Abstract of Observations taken at 8 h. at 232

Number of rainfall division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 h., in inches.								Temperature of Air.												
			Mean 8 h. pressure reduced to 32°.	Departure from normal.	Mean 8 h. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 h. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	1.—Burma Coast and Bay Islands.			+ 035								86·4	+ 2·1	76·5	+ 1·1	81·5	+ 1·6	9·					17·7
1	Car Nicobar . . .	25																					
	Slipper Island . .	90	29·752		29·775	29·825	10th	29·677	21st	·148	81·2	85·0		77·7		81·4		7·3	88·1	15th & 16th.	73·1	27th	15·0
	Port Blair . .	61	29·805	+ ·020	29·797	29·876	5th	29·734	22nd	·142	79·7	85·7	+ 0·4	76·7	− 0·5	81·2	− 0·1	9·0	85·7	13th & 14th.	73·7	29th	15·0
	Mergui . . .	96	29·799	+ ·013	29·826	29·895	5th	29·737	20th	·158	78·4	87·1	+ 2·9	74·5	+ 1·9	80·8	+ 2·4	12·6	91·9	10th	71·4	26th	20·5
	Tavoy . . .	19	29·885	+ ·021	29·836	29·965	5th	29·811	29th	·154	77·2	85·5*	+ 2·7*	75·3	+ 1·5	80·4*	+ 2·1*	10·2	89·5	15th	72·8	24th & 30th.	16·7
	Moulmein . .	94	29·768	+ ·030	29·801	29·841	4th	29·692	30th	·149	78·2	86·1	+ 3·1	75·5	+ 1·4	80·8	+ 2·3	10·6	91·0	19th	72·8	25th	18·2
2	Rangoon . . .	36	29·827	+ ·040	29·800	29·913	4th	29·723	30th	·190	80·1	86·6	+ 1·5	77·2	+ 1·5	81·9	+ 1·5	9·4	91·6	20th	73·4	25th	18·2
	Bassein . . .	27?	29·822	+ ·048	29·787	29·904	10th	29·735	30th	·169	79·4	87·3	+ 2·8	76·8	+ 1·1	82·1	+ 2·0	10·5	94·2	20th	73·9	25th	20·3
	Diamond Island .	41	29·806	+ ·034	29·782	29·890	10th	29·728	30th	·162	81·1	84·9	+ 0·6	76·9	+ 1·3	80·9	+ 1·0	8·0	87·4	15th	72·7	3rd	14·7
5	Akyab . . .	20	29·790	+ ·058	29·753	29·891	16th	29·688	27th	·203	79·9	85·5	+ 1·1	77·6	+ 0·3	81·6	+ 0·7	7·9	90·9	24th	74·7	9th	16·2
3	Toungoo . . .	183	29·665	+ ·050	29·790	29·750	8th	29·562	30th	·188	80·1	90·3	+ 3·6	76·7	+ 1·7	83·5	+ 2·7	13·6	95·4	19th & 20th.	73·6	26th	21·8
	II.—Burma Inland.			+ ·048								90·9	+ 1·1	76·8	+ 0·5	83·9	+ 0·8	14·1					23·7
3	Thayetmyo . .	121	29·657	?	29·720?	29·734	10th	29·546	30th	·188	81·3	91·1	+ 2·2	76·9	+ 0·8	84·0	+ 1·5	14·2	95·5	19	74·4	7th & 26th.	21·1
4	Minbu . . .	*165*	29·624	+ ·042	29·734	29·695	15th	29·528	30th	·167	80·7	91·4	+ 0·8	77·5	+ 0·5	84·5	+ 0·7	13·9	95·2	20th	74·1	26th	21·1
	Yamethin . .	657	29·152	+ ·044	29·763	29·233	9th	29·043	30th	·190	79·0	90·6	+ 0·8	75·0	+ 0·7	82·8	+ 0·8	15·6	95·8	23rd	72·2	26th	23·6
	Monywa . . .	*280*	29·531?		29·750?	29·602	15th	29·399	2nd	·203	82·1	94·0		79·6		86·8		14·4	100·8	20th	74·1	22nd	26·7
	Mandalay . .	250	29·538	+ ·043	29·736	29·612	16th	29·424	2nd	·188	83·2	95·1	+ 1·8	79·8	+ 2·2	87·5	+ 2·0	15·3	103·1	20th	76·3	25th	26·8
	Myitkyina . .	458	29·234†		29·681	29·402	22nd	29·138	2nd	·264	78·4	86·0		75·1		80·6		10·9	94·7	27th & 30th, 31st	72·1	22nd	22·6
	Bhamo . . .	*381*	29·406	+ ·061	29·744	29·480	22nd	29·244	2nd	·236	77·4	87·9	− 0·2	73·8	− 1·6	80·9	− 0·9	14·1	94·9		71·1	1st & 7th.	23·8
4(a)	Maymyo . . .	3,545	26·765		26·310	26·451	16th	26·233	2nd	·218	70·9	77·6		66·0		72·8		9·6	82·4	24th	65·6	9th	16·8
	Lashio . . .	*2,751*	27·026	+ ·037	26·972	27·111	16th	26·912	2nd	·199	72·7	82·3	− 0·8	69·4	+ 0·3	75·9	− 0·3	12·9	87·5	31st	66·0	24th	21·5
	III.—Assam.			+ ·042								86·2	− 2·4	76·7	− 0·6	81·5	− 1·5	9·5					20·1
7	Silchar . . .	104	29·668	+ ·050	29·726	29·757	16th	29·531	2nd	·223	79·7	87·3	− 2·2	75·9	− 0·9	81·6	− 1·6	11·4	98·5	26th	67·3	11th	31·2
9	Sibsagar . .	333	29·426	+ ·043	29·717	29·538	15th	29·232	3rd	·306	79·0	85·6	− 3·6	77·7	0	81·7	− 1·8	7·9	92·1	30th	74·2	11th & 12th.	17·9
	Dhubri . . .	115	29·597	+ ·034	29·668	29·699	15th	29·421	2nd	·278	79·5	84·6	− 1·4	77·5	− 0·8	81·1	− 1·1	7·1	90·2	31st	74·8	4 days	15·4
	Gauhati . . .	195	29·548		29·699	29·639	15th	29·361	2nd	·278	81·2	88·2		77·7		83·0		10·5	93·0	31st	75·5	3rd	17·5
	Tezpur . . .	252	29·481		29·692	29·570	15th	29·290	2nd	·280	79·7	87·6		77·2		82·4		10·4	92·6	20th & 31st.	75·4	5 days	17·2
	Dibrugarh . .	353	29·390		29·705	29·488	15th	29·196	2nd	·292	77·4	84·0		74·4		79·2		9·6	91·9	30th	70·5	11th & 20th.	21·4
	IV.—Bengal and Orissa.			+ ·066								87·8	−0·1	78·1	− 0·1	83·0	− 0·1	9·7					16·3
6	Chittagong . .	87	29·695	+ ·068	29·730	29·796	16th	29·591	27th	·205	79·4	85·1	− 0·4	75·8	− 0·3	80·5	− 0·4	9·3	89·1	22nd, 24th & 25th.	73·9	3rd, 16th & 17th.	15·2
	Noakhali . . .	43	29·723		29·713	29·811	15th	29·613	2nd	·198	80·8	85·0		76·9		80·9		8·1	88·8	24th	74·4	4 days	14·4
	Comilla . . .	36	29·720		29·704	29·811	15th	29·602	2nd	·209	80·1	86·4		76·6		81·5		9·8	92·3	24th	73·8	3rd	18·5
	Sirajganj . .	49	?		?	?				?	80·4	85·9		77·6		81·8		8·3	88·8	25th & 31st.	75·7	4 days	13·1
	Narayanganj . .	26	29·732	+ ·085	29·706	29·828	15th	29·618	2nd	·210	81·3	86·8	− 0·7	78·1	− 0·9	82·5	− 0·8	8·7	90·0	2nd & 25th.	75·3	19th	14·7
	Barisal . . .	12	29·741	+ ·089	29·699	29·833	th	29·612	27th	·221	82·0	86·4	− 0·4	77·8	− 0·4	82·1	− 0·4	8·6	90·8	5th	74·1	10th & 14th.	16·7
	Mymensingh . .	63	29·685	+ ·064	29·699	29·779	15th	29·547	2nd	·232	80·8	86·2	− 0·7	77·5	− 0·6	81·9	− 0·7	8·7	90·7	24th	75·1	3rd, 17th & 20th,	15·6
	Faridpur . . .	46	29·695		29·691	29·793	15th	29·580	27th	·213	81·0	86·4		78·3		82·4		8·1	89·3	1st & 2nd.	75·4	7th	13·9
10	Jessore . . .	33	29·692	+ ·067	29·672	29·799	16th	29·545	27th	·254	81·9	88·1	− 0·5	78·1	− 0·6	83·1	− 0·6	10·0	91·0	20th	75·7	6th & 7th,	15·3
	Calcutta (Alipore) .	21	29·693	+ ·069	29·666	29·811	16th	29·491	28th	·320	82·5	88·3	+ 1·2	78·7	+ 0·4	83·5	+ 0·8	9·6	90·9	4 days	75·9	14th & 15th.	15·0
	Saugor Island . .	25	29·690	+ ·069	29·659	29·827	16th	29·430	27th	·397	83·5	89·1	+ 1·9	80·8	+ 1·0	85·0	+ 1·5	8·3	91·9	22nd	76·1	22nd	15·8

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

* Mean of 30 days.

† „ „ 22 „

Note 1.—When a query is inserted against any reading or in the returns of any station, the data for that

Note 2.—The data from which divisional means of the figure columns Nos. 40, 42, and 44 are derived

Note 3.—The barometric readings are not reduced to sea-level in the cases of hill or plateau

I.

Stations in India, Burma, etc., in August, 1906.

Wind Direction. Number of winds from Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	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 h. Mean humidity at 8 h.	Departure from normal.	Mean vapour tension at 8 h.	Departure from normal.	Cloud. Mean cloud amount at 8 h.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 31st August 1906.	Normal rainfall for period, 1st May to 31st August.	Departure from normal of period, 1st May to 31st August 1906.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
														91	−1	·922	+·024	7·5	−1·3				19·40	28·79	−8·94					I.—Burma Coast and Bay Islands.
																														Car Nicobar.
3				1	9	13	5		S 35° W	14·5			14·8	92		·981		9·5		11			15·39			47·67			3·68	Slipper Island.
					2	14	13	2	S 66° W	6·9	9·6	−28		88	−1	·893	−·027	8·0	−0·4	18			12·63	14·06	− 1·43	73·15	65·48	+ 7·67	3·27	Port Blair.
27		1	1			1	1		Calm	1·8	1·6	+13		93	+ 1	·884	+·090	5·0	−2·6	25	25·00	0	27·27	29·97	− 2·70	117·13	111·02	+ 6·11	4·05	Mergui.
30							1		W	1·3				93	0	·874	+·009	5·9	−2·5	22	27·40	−5·40	35·37	47·29	−11·92	1 6·	160·05	−13·16	6·50	Tavoy.
18		1	5	3	1	2	1		S 54° E	2·1	3·2	−34	2·3	93	− 1	·896	+·026	8·4	+0·4	21	27·10	− 6·10	27·25	40·63	−13·38	134·11	142·37	− 8·26	5·24	Moulmein.
14	1		1	3	7	2	1	2	S 5° W	2·8	4·7	−40	2·5	90	− 4	·922	+·011	7·3	−1·9	16	23·90	−7·90	10·13	19·85	− 9·72	52·89	69·57	−16·58	2·20	Rangoon.
12				2	7	6	4		S 28° W	3·0	3·4	−12		94	0	·952	+·037	7·9	−0·7	19	25·40	−6·40	12·43	23·17	−10·74	57·68	82·35	−24·67	2·05	Bassein.
4		2	1	5	5	12	2		S 16° W	5·5	6·7	−18	5·5	85	− 1P	·916	+·028	7·1	−1·5	20	22·10	−2·10	14·72	23·45	− 8·73	77·60	82·85	− 5·25	2·39	Diamond Island.
6	2	5	6	3	6	2		1	S 71° E	3·4	3·2	+ 6	3·3	95	+ 1	·973	+·024	7·9	−1·1	21	26·60	− 5·60	26·99	42·00	−15·01	128·86	151·29	−22·43	5·79	Akyab.
11				12	7			1	S 28° E	10·6†	3·9	+172	10·5†	89	− 3	·925	+·024	8·3	−1·0	19	24·30	−5·30	11·32	18·68	− 6·86	41·09	57·00	−15·91	1·45	Toungoo.
														86	0	·892	+·017	6·7	−2·1				6·35	7·18	−1·58					II.—Burma Inland.
				5	22	3	1		S 1° E	6·0	5·9	+ 2		84	− 1	·905	+·032	6·6	−2·1	11	13·20	− 2·20	8·49	6·43	+ 2·06	28·13	23·77	+ 4·36	1·63	Thayetmyo.
1			2	27	1				S 47° E	6·2			7·4	85	0	·901	+·029	5·0	−1·2	5	8·60	−3·60	3·83	5·10	− 1·24	20·68	19·99	+ 0·69	1·22	Minbu.
10				16	5				S 34° E	5·1			5·1	86	− 1	·858	+·013	8·5	?	9	11·50	−2·50	3·15	6·40	− 3·25	16·64	21·54	− 4·90	0·75	Yamethin.
22		1		2	6				S 17° E	1·0			1·0	82		·906		7·4		5	7·70	−2·70	2·41	4·62	− 2·21	14·36	16·03	− 1·67	0·73	Monywa.
	1			1	27			1	S 2° W	10·0*			10·1*	77	− 2	·876	+·018	3·5	−4·1	5	7·00	−2·00	3·40	3·99	− 0·59	16·61	18·38	− 1·77	2·21	Mandalay.
		13	16	2					N 73° E	3·4			3·5	93		·910		5·4		12			10·86			51·50			3·75	Myitkyina.
26	1			2		1		1	S	3·2			3·7	95	+ 3	·890	−·008	7·3	−0·9	20	19·60	+0·40	12·29	16·55	− 4·26	61·74	55·74	+ 6·00	2·55	Bhamo.
1		1			1	28			S 44° W	3·4				89		·679		6·9		11	16·20	−5·20	6·22	9·66	− 3·44	32·01	35·27	− 3·26	1·31	Maymyo.
13		3	1	1	5	7		1	S 14° W	3·7				90	− 1	·724	−·018	8·5	−0·5	16			9·46	12·84	− 3·38	35·00	44·38	− 9·38	2·60	Lashio.
														92	0	·920	−·023	8·5	−0·4				20·50	15·51	+4·99					III.—Assam.
31									Calm	0·1	3·0	−97	0·2	90	− 1	921	−·016	7·9	−1·4	27	21·50	+5·50	27·72	20·26	+ 7·46	72·98	77·92	− 4·94	3·50	Silchar.
6	2	7		2		12		2	S 66° W	2·3	2·7	−15	2·1	92	− 2	·914	−·050	9·3	+0·2	20	17·70	+2·30	25·53	16·54	+ 8·95	72·03	59·87	+12·16	3·90	Sibsagar.
4	1	5	5	3	9	3	1		S 41° E	4·4	3·2	+38	4·7	93	+ 2	·937	−·004	8·4	−0·1	19	14·50	+4·50	27·57	13·29	+14·28	89·38	67·38	+22·00	6·75	Dhubri.
21		3		1	2	1	1	2	S 31° E	0·9			1·0	87		·930		8·3		13	13·30	−0·30	5·84	10·56	− 4·72	43·34	42·37	+ 0·97	1·63	Gauhati.
31									Calm	2·0			2·1	92		·927		8·2		16	15·50	+0·50	15·29	13·14	+ 2·15	44·04	48·46	− 4·42	3·72	Tezpur.
29			1		1				S 45° E	0·1			0·1	95		·889		9·1		22	18·40	+3·60	21·02	19·25	+ 1·77	58·92	73·88	−14·96	2·88	Dibrugarh.
														89	−1	·954	−·001	7·3	−0·5				17·56	13·67	+4·09					IV.—Bengal and Orissa.
1		1	4	15	8	1		1	S 38° E	6·9	6·1	+13	6·3	90	+ 1	·901	−·008	6·3	−1·9	18	17·94	+0·06	32·82	15·06	+17·76	87·57	68·87	+18·70	9·71	Chittagong.
5			4	8	6	8			S 13° E	5·8			6·2	88		·932		6·8		22	22·58	−0·58	25·37	23·93	+ 1·44	82·72	79·38	+ 3·34	7·00	Noakhali.
2		1	1	12	13	2			S 22° E	5·8			4·9	90		·930		5·3		21	17·14	+3·86	30·41	15·80	+14·61	65·11	61·77	+ 3·34	3·90	Comilla.
19			4		3	5			S 8° E	3·3			3·2	91		·956		8·2		18	13·87	+4·13	21·57	10·86	+10·71	46·53	41·68	+ 4·85	2·87	Sirajganj.
3			2	9	4	13			S 3° W	6·7	6·0	+12	5·7	88	− 2	·944	−·028	8·6	−0·1	15	17·83	−2·83	14·49	12·01	+ 2·48	45·45	46·40	− 0·95	2·88	Narayanganj.
11				4	14	2			S 3° E	3·5			3·0	88	− 1	·963	−·002	5·7	−2·9	21	18·74	+2·26	19·27	12·29	+ 6·98	43·98	51·52	− 7·54	4·03	Barisal.
13			3	6	7	2			S 25° E	2·9			2·5	91	0	·956	+·001	8·8	+0·8	23	18·90	+4·10	33·59	14·34	+19·25	70·74	59·97	+10·77	4·71	Mymensingh.
5			1	6	17	2			S 10° E	5·3			4·5	90		·958		7·7		20	16·22	+3·78	14·90	12·08	+ 2·82	41·81	45·60	− 0·79	2·51	Faridpur.
17			1	10	3				S 39° E	2·5	4·1	−39	2·2	90	− 1	·979	−·019	8·6	+0·2	21	17·03	+3·97	15·52	10·55	+ 4·97	36·02	43·07	− 7·05	2·49	Jessore.
	2	3	5	6	13	2			S 10° W	5·6	5·3	+ 6		89	0	·992	+·028	8·6	+0·1	18	18·88	−0·88	8·14	12·38	− 4·24	31·19	41·68	−10·49	1·10	Calcutta (Alipore).
	1	5	3	8	13	1			S 6° W	18·0	12·4	+45		88	− 1	1·012	+·022	8·0	−1·1	10	17·00	−7·00	5·93	15·68	− 9·75	28·93	46·74	−17·81	1·31	Saugor Island.

station are not utilized in calculating the provincial departures from normal.
are incomplete.
stations, the elevations of which exceed 3,200 feet.

† Mean of 29 days.

Table

Abstract of Observations taken at 8 h. at 232

Number of rainfall division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 h., in inches.								Temperature of air.												
			Mean 8 h. pressure reduced to 32°.	Departure from normal.	Mean 8 h. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 h. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
10	Krishnagar	47	29·663		29·658	29·773	15th	29·499	28th	·274	81·5	89·4		78·5		84·0		10·9	92·6	31st	75·5	19th	17·1
	Midnapore	149	29·552		29·648	29·677	16th	29·323	28th	·354	81·9	89·3		79·1		84·2		10·2	91·8	2nd	76·7	14th, 18th & 28th.	15·1
11	Bankura	313	29·382		29·646	29·501	16th	29·186	28th	·315	81·6	89·9		78·2		84·1		11·7	93·6	18th	76·7	28th, 29th & 30th,	16·9
	Raniganj	334	29·373		29·660	29·493	16th	29·304	29th	·189	80·5	90·1		77·6		83·9		12·5	93·5	6th	74·9	7th	18·6
	Burdwan	99	29·612	+·065	29·659	29·722	15th	29·429	28th	·293	84·9	89·3	+0·1	78·3	−0·8	83·8	−0·4	11·0	91·9	3rd	76·3	7th	15·6
	Naya Dumka	489	29·213		29·660	29·337	15th	29·066	28th	·271	80·4	88·7		76·9		82·9		11·8	91·5	20th	75·4	15th, 17th & 28th.	16·1
	Berhampore	67	29·645	+·059	29·661	29·759	15th	29·502	28th	·257	85·5	89·2	+0·6	78·2	−0·5	83·7	+0·1	11·0	91·3	25th	75·7	6th	15·6
	Rampur Boalia	70	29·644		29·663	29·749	15th	29·510	2nd	·239	82·2	87·8		78·9		83·4		8·9	90·1	5th, 18th & 20th,	75·1	18th	15·0
	Malda	72	29·613‡		29·637‡	29·719	15th	29·461	2nd	·258	82·3	88·1		79·2		83·7		8·9	91·1	16th & 25th,	77·1	18th	14·0
	Bogra	75	29·614	+·053	29·671	29·741	15th	29·506	2nd	·235	81·4	88·0	−0·3	78·2	−0·2	83·1	−0·3	9·8	91·2	25th	76·2	21st	15·0
12	Dinajpur	123	29·583†	+·055	29·602†	29·687	15th	29·428	2nd	·259†	80·9†	87·7†	−1·1	77·7†	−0·9	82·7†	−1·0	10·0†	92·3	25th	75·0	19th	17·3
	Rangpur	123	29·605		29·683	29·702	15th	29·438	2nd	·264	81·1	87·2		78·6		82·9		8·6	92·6	25th	74·6	19th	18·0
	Jalpaiguri	284	29·429	+·041	29·672	29·536	23rd	29·764	2nd	·272	79·3	86·1	−2·0	76·7	0	81·4	−1·0	9·5	92·4	23rd & 31st,	71·1	25th	21·3
	Cooch Behar	156	29·567		29·579	29·660	15th	29·393	2nd	·267	80·2	86·4		77·2		81·8		9·2	92·4	24th & 25th.	73·6	20th & 21st.	18·8
17	Purnea	125	29·580	+·055	29·661	29·695	15th	29·412	2nd	·283	80·9	87·2	−2·0	78·1	−0·3	82·7	−1·2	9·1	91·2	25th	74·7	18th	16·5
14	Balasore	50	29·659	+·075	29·651	29·799	16th	29·380	27th	·419	82·7	89·1	+1·2	79·0	+1·0	84·1	+1·1	10·1	92·4	5th	76·3	16th	16·1
	Angul	455	29·255		29·670	29·404	16th	28·967	27th	·437	80·6	88·7		77·0		82·9		11·7	93·1	6th	74·1	10th	19·0
	False Point	21	29·711	+·077	29·674	29·860	16th	29·416	27th	·444	82·9	87·3	+0·3	78·7	+0·5	83·0	+0·4	8·6	90·1	5th	75·6	26th	14·5
	Cuttack	80	29·639	+·070	29·663	29·792	16th	29·346	27th	·446	82·3	90·7	+1·6	79·1	+0·8	84·9	+1·2	11·6	94·4	4 days	76·2	28th	18·2
	Puri	24	29·710		29·673	29·855	16th	29·426	27th	·429	83·6	88·1		80·1		84·1		8·0	91·6	23rd	74·6	7th	17·0
	V.—Gangetic Plain and Chota Nagpur.			+·052								88·4	−0·3	77·6	−0·3	83·0	−0·3	10·7					18·1
15	Hazaribagh	2,007	27·697	+·056	29·650	27·821	15th	27·526	28th	·295	76·8	84·3	+0·6	73·4	+0·2	78·9	+0·4	10·9	87·7	21st	71·3	28th & 30th.	16·4
	Ranchi	2,128	27·592	+·073	29·667	27·724	16th	27·392	28th	·332	75·5	84·1	+0·8	72·9	+0·3	78·5	+0·6	11·2	88·2	20th	71·4	6 days	16·8
	Daltonganj	*730*	28·942		29·628	29·076	15th	28·774	28th	·302	80·5	90·0		77·0		83·5		13·0	94·1	19th & 21st.	74·5	7th	19·6
	Purulia	*816*	28·881		29·646	29·007	16th	28·684	28th	·323	79·4	89·5		76·6		83·2		12·9	92·5	6th, 15th & 21st.	73·9	18th	18·6
	Chaibassa	*760*	28·927	+·067	29·638	29·070	16th	28·685	28th	·395	79·8	90·0	+1·4	76·9	−0·1	83·4	+0·7	13·1	94·4	6th.	75·2	22nd	19·2
16	Gaya	375	29·303	+·054	29·631	29·435	15th	29·155	2nd	·280	81·9	90·0	0	77·8	−0·6	83·9	−0·3	12·2	94·9	21st & 22nd.	74·8	1st	20·1
	Dehri	351	29·316		29·620	29·458	15th	29·167	2nd	·291	82·7	89·2		79·3		84·2		9·9	94·3	24th	76·0	30th	18·3
	Patna	183	29·492	+·042	29·628	29·639	15th	29·327	2nd	·312	82·3	87·9	−1·2	79·1	−0·4	83·5	−0·8	8·8	91·5	25th	76·2	3rd	15·3
	Arrah	190	29·492		29·635	29·643	15th	29·327	2nd	·316	81·7	88·2		78·8		83·5		9·4	91·9	21st	76·2	4 days	15·7
	Buxar	239	29·427		29·622	29·572	15th	29·258	2nd	·314	81·2	87·3		77·8		82·6		9·5	91·5	21st	75·1	6th, 13th & 15th.	16·4
17	Bhagalpur	160	29·540		29·652	29·659	15th	29·371	2nd	·288	82·9	89·1		78·9		84·0		10·2	92·2	25th	77·2	18th	15·0
	Darbhanga	165	29·527	+·054	29·646	29·660	15th	29·346	2nd	·314	80·8	86·7	−1·8	78·4	−0·9	82·6	−1·4	8·3	89·6	25th, 30th & 31st.	75·3	6th, 18th & 19th.	14·3
	Pusa		29·518			29·644	15th	29·337	2nd	·307	81·1	86·9		78·4		82·7		8·5	91·0	17th	75·5	13th	15·5
	Muzaffarpur	178	29·506		29·640	29·639	15th	29·321	2nd	·318	81·3	86·9		78·4		82·7		8·5	91·2	17th	74·5	20th	16·7
	Motihari	224	29·453		29·637†	29·601	15th	29·256	2nd	·345	80·3	87·4		77·7		82·6		9·7	92·4	25th	74·3	19th	18·1
	Chapra	181	29·477		29·613	29·630	15th	29·312	2nd	·318	81·1	87·7		78·1		82·9		9·6	91·4	4 days	75·6	13th	15·8
18	Benares	267	29·395	+·019	29·616	29·539	15th	29·237	2nd	·302	82·6	89·5	0	77·8	−1·0	83·7	−0·5	11·7	94·6	21st	73·6	21st	21·0
	Allahabad	309	29·350	+·017	29·613	29·491	15th	29·208	2nd	·283	82·6	90·1	+0·3	78·0	−0·6	84·1	−0·2	12·1	96·1	21st	75·0	12th & 13th.	21·1
23	Gorakhpur	257	29·403	+·042	29·617	29·546	15th	29·189	2nd	·357	81·2	87·5	−2·3	77·8	−1·0	82·7	−1·7	9·7	92·2	22nd & 25th.	75·0	13th & 15th,	17·2
19	Lucknow	368	29·286	+·044	29·614	29·426	15th	29·143	2nd	·283	81·3	89·5	−0·8	78·4	−0·2	84·0	−0·5	11·1	96·0	21st	75·6	12th & 23rd,	20·4
20	Bahraich	401	29·240	+·033	29·601	29·387	15th	29·028	2nd	·359	81·5	88·7	−1·2	78·2	+0·2	83·5	−0·5	10·5	93·1	19th & 21st	76·0	11th & 22nd.	17·1

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

† Mean of 30 days.
‡ „ 27 „

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

I—*continued.*

Stations in India, Burma, etc., in August, 1906—continued.

Wind Direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction	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 h. Mean humidity at 8 h.	Departure from normal.	Mean vapour tension at 8 h.	Departure from normal.	Cloud. Mean cloud amount at 8 h.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 31st August 1906.	Normal rainfall for period, 1st May to 31st August.	Departure from normal of period, 1st May to 31st August 1906.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
8			3	6	8	4	1	1	S 12° E	2·2			2·4	92		·986		6·7		16	14·26	+1·74	7·36	10·25	—2·89	30·16	37·04	— 6·88	1·21	Krishnagar.
5	2	5		1	17	1		1	S 17° E	3·7			3·1	87		·936		5·1		14	16·00	−2·00	7·49	12·51	−5·02	35·97	41·27	— 5·30	1·25	Midnapore.
13		7	6	2		2		1	N 73° E	4·2			3·7	86		·920		6·7		19	16·66	+2·34	12·00	11·66	+0·34	35·89	38·74	—2·85	5·03	Bankura.
23			2	3		2	1		S 27° E	1·6			1·3	91		·953		7·2		17	16·60	+1·60	14·25	13·01	+1·24	26·84	40·86	—14·02	2·55	Raniganj.
10		1	5	1	1	12	1		S 17° W	2·3	3·6	−36	2·3	90	+ 3	·974	+·031	9·0	+0·3	20	16·48	+3·52	17·48	11·25	+6·23	41·25	40·00	+ 1·25	3·76	Burdwan.
25			2	3		1			S 45° E	1·6			1·4	90		·935		6·6		17	18·23	—1·23	9·47	13·41	—3·94	29·04	41·11	—12·07	1·62	Naya Dumka.
5			5	3	16	2			S 17° E	4·1	4·2	— 2	5·1	89	— 3	·991	+·004	8·5	−0·4	19	19·39	+2·61	15·01	11·71	+3·30	32·56	37·17	— 4·61	1·58	Berhampore.
15		1		4	5	6			S 5° W	2·8			2·8	88		·971		7·8		19	14·68	+4·32	16·10	10·53	+5·57	34·58	38·23	— 3·65	2·60	Rampur Boalia.
		4	3	6	7	10	1		S 7° E					90		·994		6·3		18	14·48	+3·52	10·94	10·27	+0·67	28·98	35·08	— 6·10	1·75	Malda.
24			4		3				S 53° E	1·4	2·5	−44	1·2	89	0	·949	−·019	7·6	+0·4	24	15·90	+8·10	18·51	11·62	+6·89	43·97	45·20	− 1·23	3·61	Bogra.
2		3	5	6	5	5	3	1	S 22° E	3·2†	4·0	−20	3·0†	91†	+ 1	·968†	−·005	8·0†	0	17	15·71	+1·29	14·97	14·01	+0·96	52·89	50·01	+ 2·88	3·70	Dinajpur.
11	1		2	1	6	6	1		S 2° W	2·7			2·5	88		·941		8·1		18	13·35	+4·65	13·76	13·02	+0·74	59·19	59·35	− 0·16	3·18	Rangpur.
27			1	1	1		1		S 27° E	0·6			0·8	93	+ 1	·933	−·013	8·2	−0·1	26	18·38	+7·62	51·91	24·87	+27·04	108·85	93·15	+15·70	4·47	Jalpaiguri.
15		2	7	1		5	1		S 59° E	1·5			1·5	89		·919		8·3		22	16·72	+5·28	51·71	20·42	+31·32	156·11	93·41	+62·70	6·72	Cooch Behar.
14		8		5		4			S 81°	3·2	2·3	+39	2·8	92	+ 2	·967	−·013	7·7	+0·1	21	16·57	+4·43	23·47	14·40	+9·07	53·67	43·75	+ 9·92	4·24	Purnea.
5		1	3	1	3	15	3		S 33° W	5·5			4·1	82	— 7	·922	−·052	6·2	−2·1	10	16·03	−6·03	4·73	11·34	−6·61	25·18	40·31	−14·73	1·43	Balasore.
																							11·55			28·29			1·96	Angul.
4	1	6	4	2	2	2	3	7	S 3° E	6·5			5·8	85		·892		5·9		14										
3		1		1	6	12	7	1	S 47° W	8·8	9·5	— 7	9·1	86	− 2	·969	+·010	8·6	+0·3	11	16·16	−5·16	6·35	13·68	−7·33	19·18	39·10	−19·92	1·57	False Point.
13			5		1	7	5		S 40° W	2·4	2·6	— 8		84	+ 1	·936	+·040	6·6	−1·0	12	16·19	−4·19	6·11	13·20	−7·09	29·40	39·72	−10·32	1·50	Cuttack.
3	1	3		2		19	3		S 47° W	14·4			13·5	85		·988		6·4		10	12·85	−2·85	9·04	12·13	−3·09	24·38	32·97	— 8·59	2·47	Puri.
														87	−26	·915	−·025	6·8	−0.3				13·24	12·09	+1·14					V.—Gangetic Plain and Chota Nagpur.
	1		4	2	2	11	10	1	S 52° W	7·9	7·5	+ 5	7·0	83	− 6	·767	−·036	8·4	−0·4	15	17·77	−2·77	7·12	12·60	−5·48	21·37	38·45	−16·98	1·12	Hazaribagh.
1		1	4	2	2	11	8	2	S 51° W	5·9			7·0	89	0	·784	−·015	8·3	+0·3	22	17·84	+4·16	18·25	11·27	+6·98	40·61	39·52	+ 1·09	1·71	Ranchi.
14		3	5		2	6	1		S 27° E	3·5			2·9	86		·905		5·7		15	15·74	− 0·14	8·46	12·11	−3·65	36·65	41·76	+ 4·89	1·54	Daltonganj.
5		4	2	2	5	9	4		S 22° W	4·4			3·6	91		·906		6·8		18	16·52	+1·48	11·11	12·30	−1·19	38·95	37·52	+ 1·43	2·87	Purulia.
19	1	3	1		2	3	2		S 45° W	?			?	87	0	·880	−·023	5·7	−2·0	19	16·94	+2·06	9·62	11·77	−2·15	30·69	36·96	− 6·27	2·10	Chaibassa.
4		6		2	3	4	11	1	S 77° W	4·4	2·6	+69	3·5	85	− 1	·924	−·007	6·9	−1·1	15	14·26	+0·74	14·25	13·18	+1·77	22·53	35·26	− 2·73	3·26	Gaya.
1	1		6	2	5	14	1	1	S 15° W	7·9			7·0	82		·905		4·8		12	14·44	−2·44	6·04	12·92	−6·28	24·71	31·91	− 7·20	1·43	Dehri.
1	1	1	8	5	3	3	7	2	S 18° E	6·5	3·2	+103	7·3	87	0	·963	−·006	9·0	+0·1	16	13·52	+2·48	8·36	12·58	−4·12	30·11	35·71	− 5·60	1·64	Patna.
18		4	3			6			S 63° E	2·1			2·1	86		·937		4·5		13	12·87	+0·13	15·09	10·50	+5·19	33·23	32·27	+ 0·96	8·50	Arrah.
1	1	1	11	1	2	9	5		S 8° E	6·3			5·9	98		·927		7·5		12	13·35	−1·35	9·14	11·29	−2·15	26·28	29·33	− 3·05	3·02	Buxar.
9	1	3	6	4	4	3	1		S 53° E	3·4			3·0	85		·959		7·8		9	13·32	−4·32	6·77	11·26	−4·49	28·72	34·55	− 5·83	1·49	Bhagalpur.
15		4	5		2	3	2		S 76° E	3·3	4·4	−25	2·9	89	0	·937	−·035	7·5	+0·7	19	14·07	+4·93	26·93	13·66	+13·27	51·17 (a) 24·81	36·68	+14·49	5·45	Darbhanga.
														88		933		8·4		19			24·81						4·90	Pusa.
1	1	2	14	1	3	5	4		S 61° E																					
19		1	5	4		1	1		S 67° E	3·7				92		·979		5·2		23	13·03	+9·97	25·19	10·64	+14·55	51·11	32·19	+18·92	3·56	Muzaffarpur.
12		5	7	1	2	1	3		N 89° E	3·2			2·8	91		·936		6·9		20	12·97	+7·03	32·47	12·23	+20·24	64·49	36·27	+28·22	5·08	Motihari.
12	3	1	6	2	5		2		S 63° E	4·3			3·9	92		·972		6·2		14	12·61	+1·39	11·98	9·73	+2·25	35·27	28·77	+ 6·50	2·50	Chapra.
5			5	3	1	13	3	1	S 27° W	3·4	4·2	−19	3·9	83	− 6	·915	−·028	7·5	+0·6	16	13·40	+2·60	10·79	12·05	−1·26	31·89	30·37	+ 1·52	2·40	Benares.
1	1	5	3		1	6	11	3	N 83° W	7·1	5·6	+27	5·9	81	− 6	·910	−·044	8·3	−0·4	15	11·80	+3·20	8·59	12·03	−3·44	21·55	30·89	− 9·34	1·71	Allahabad.
23		3	2			1	2		N 45° E	0·4	2·3	−83		88	0	·929	−·026	6·7	+0·8	17	14·10	+2·90	18·76	13·24	+5·52	39·76	37·42	+ 2·34	6·10	Gorakhpur.
10		2	7	2	3	7			S 33° E	2·9	3·0	− 3	3·2	87	− 1	·933	−·019	6·6	−0·3	10	14·20	−4·20	10·05	11·83	−1·78	38·48	30·08	+ 8·40	2·05	Lucknow.
11			8	5		3	2	2	S 55° E	3·7			3·5	88	0	·948	−·007	8·0	+2·0	16	12·70	+3·30	14·51	16·80	−2·29	36·08	37·14	− 1·06	2·29	Bahraich.

or in the returns of any station, the data for that station are not utilized in calculating the provincial departures from normal, figure columns Nos. 40, 42 and 44 are derived, are incomplete.

(a) Total rainfall since 1st August 1906.

Table

Abstract of Observations taken at 8 h. at 232

Number of rainfall division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 h. in inches.								Temperature of air.												
			Mean 8 h. pressure reduced to 32°.	Departure from normal.	Mean 8 h. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 h. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
21	Cawnpore	416	29·237	+·046	29·612	29·372	15th	29·078	2nd	·294	81·4	90·0	+0·1	78·1	−0·2	84·1	−0·1	11·9	96·4	21st	75·2	3rd & 12th	21·2
	Mainpuri	516	29·145	+·063	29·618	29·263	16th	28·957	2nd	·306	81·5	90·5	−0·3	78·6	+0·2	84·6	−0·1	11·9	97·3	21st	73·8	23rd	23·5
	VI.—Upper Sub-Himalayas.			+·035								90·9	−1·9	78·0	+0·5	84·5	−0·7	12·9					23·4
24	Bareilly	568	29·069	+·033	29·595	29·181	16th	28·856	2nd	·325													
	Dehra Dun	2,233	27·462	+·038	29·643	27·573	23rd	27·204	2nd	·369	74·4	82·3	−1·7	72·3	−0·8	77·3	−1·3	10·9	88·0	26th	69·5	22nd	18·5
	Roorkee	890	28·758	+·047	29·625	28·869	16th & 23rd.	28·488	2nd	·381	75·7	87·4	−3·3	77·0	0	82·2	−1·7	10·4	92·0	25th, 26th & 28th.	73·4	h	18·6
22	Meerut	738	28·907	+·042	29·608	29·016	16th	28·660	2nd	·356	81·4	89·8	−1·1	78·2	−0·1	84·0	−0·6	11·6	95·1	31st	74·8	7th	20·3
26	Delhi	718	28·930	+·046	29·609	29·050	16th	28·688	2nd	·362	82·9	92·1	+0·3	80·1	+0·8	86·1	+0·6	12·0	98·7	31st	76·1	11th	22·6
28	Lahore	702	28·893	+·020	29·559	29·020	23rd	28·612	2nd	·408	85·0	98·6	+0·4	81·3	+3·5	90·0	+2·0	17·3	106·9	2nd	75·7	21st	31·2
27	Sirsa	662	28·958	+·036	29·578	29·087	16th	28·710	2nd	·377	87·0	99·8	+1·4	82·9	+2·7	91·4	+2·1	16·9	104·8	2nd	77·6	7th	27·2
	Patiala	*818*	28·821		29·604	28·931	16th	28·551	2nd	·380	81·1	88·8		77·5		83·2		11·3	94·6	18t	74·0	9th & 10th	20·6
29	Ludhiana	812	28·869	+·032	29·589	28·921	23rd	28·523	2nd	·398	80·2	90·0	−5·0	78·2	−0·8	84·1	−2·9	11·8	97·5	27th	74·1	9th	23·4
	Sialkot	830	28·780	+·027	29·579	28·905	16th	28·478	2nd	·427	81·9	92·1	−2·6	75·5	+0·8	85·3	−0·9	13·6	97·6	3rd	72·6	21st	25·0
	Ambala	892	28·740	+·046	29·599	28·848	16th	28·472	nd	·376	79·6	87·8	−5·0	76·5	−1·6	82·2	−3·3	11·3	93·0	31st	74·0	9th & 24th.	19·0
	Rawalpindi	1,674	27·953	+·022	29·591	28·093	22nd	27·661	2nd	·432	79·9	91·3	−2·6	75·4	+0·2	83·4	−1·2	15·9	100·5	3rd	69·1	10th & 31st.	31·4
	VII.—Indus Valley and North-West Rajputana.			+·025								98·6	+0·7	81·0	+1·3	89·8	+1·0	17·6					30·9
32	Peshawar	1,110	28·495	+·016	29·576	28·717	22nd	28·188	2nd	·529	83·9	98·8	−0·4	78·8	+1·0	88·8	+0·3	20·0	109·2	3rd	70·4	22nd	38·8
	D. I. Khan	590	28·695	+·013	29·525	29·160	23rd	28·703	2nd	·457	86·0	100·1	−1·0	81·6	+0·6	90·9	−0·2	18·5	106·7	2nd	72·1	21st	34·6
31	Khushab	612	28·992	P	29·569	29·130	22nd	28·695	2nd	·435	86·1	100·8	+0·6	81·6	+0·8	91·2	+0·7	19·2	108·3	2nd	72·4	21st	35·9
	Montgomery	558	29·034	+·033	29·551	29·172	16th	28·780	2nd	·392	89·5	103·2	+1·2	84·7	+3·1	94·0	+2·2	18·5	110·3	1st	75·0	26th	35·3
	Multan	420	29·147	+·015	29·526	29·298	16th	28·886	2nd	·412	87·5	101·7	+1·0	84·1	+2·0	92·9	+1·5	17·6	108·4	30th	75·0	25th	33·4
47	Jacobabad	186	29·390	+·024	29·536	29·555	16th	29·164	2nd	·391	84·3	103·8	0	82·0	+0·6	92·9	+0·3	21·8	110·0	2nd	71·7	27th	38·3
	Hyderabad	96	29·522	+·029	29·571	29·675	16th	29·315	3rd	·360	83·9	95·2	−0·3	79·7	+1·0	87·5	+0·4	15·5	99·6	1st	74·0	28th	25·6
	Kurrachee	30	29·625	+·017	29·606	29·780	16th	29·450	2nd	·330	82·9	91·1	+2·9	79·7	+1·0	85·4	+2·0	11·4	94·9	26th	75·2	28th	19·7
51	Bikaner	*771*	28·857	+·035	29·587	29·013	16th	28·635	2nd	·378	86·4	100·0	+2·9	83·0	+2·4	91·5	+2·7	17·0	104·1	1st & 23rd.	79·0	25th	25·1
	Pachpadra	*380*	29·289	+·046	29·624	29·464	16th	29·112	2nd	352	83·3	95·4	+0·5	77·6	+0·2	86·1	+0·4	17·8	102·1	23rd	74·8	23rd	27·3
	Jodhpur	782	28·892		29·650	29·055	16th	28·718	2nd	·337	82·3	94·8		78·2		86·5		16·6	100·7	23rd & 31st.	75·3	3rd, 8th & 23rd.	25·4
	VIII—East Rajputana, Central India and Gujarat.			+·032								89·0	+1·2	76·7	+0·8	82·9	+1·0	12·3					20·8
50	Jaipur	1,431	28·266	+·051	29·650	28·398	16th	28·085	2nd	·313	82·0	94·7	+3·1	77·7	+1·6	86·2	+2·4	17·0	102·7	23rd	74·6	15th	28·1
	Kotah	819?	28·833		29·647	28·939	5th	28·662	27th	·277	82·9	92·0		79·2		85·6		12·8	100·0	22nd	76·1	23rd	23·9
	Sambhar	1,254	28·424	+·052	29·634	28·566	16th	28·245	2nd	·321	82·8	95·5	+4·2	78·8	+1·6	87·2	+2·9	16·7	102·5	23rd	75·4	25th	27·1
	Ajmer	1,611	28·094	+·049	29·657	28·241	16th	27·922	2nd	·319	81·1	92·0	+3·8	78·5	+3·2	85·3	+3·5	13·5	96·9	21st & 22nd.	76·1	4 days.	20·8
	Udaipur	1,925	27·795		29·668	27·932	16th	27·620	27th	·302	77·4	85·7		73·3		79·5		12·4	92·0	22nd	69·8	20th	22·2
6	Bhuj	395	29·297	+·027	29·645	29·449	16th	29·112	28th	·337	79·5	88·4	−0·3	76·4	+0·2	82·4	·0·1	12·0	94·1	22nd	74·0	24th & 27th.	20·1
	Jamnagar	61	29·645		29·651	29·794	16th	29·456	27th	·338	80·9	88·4		76·6		82·5		11·8	92·5	23rd	73·2	17th	19·3
	Rajkot	429	29·289	+·015	29·670	29·442	16th	29·075	27th	·367	79·7	89·1	+0·2	74·5	0	81·8	+0·1	14·6	93·9	18th	70·7	17th	23·2
	Veraval	*18*	29·724	0	29·684	29·873	16th	29·485	27th	·388	80·5	82·8	+0·1	78·5	+0·8	80·7	+0·5	4·3	86·1	18th	75·8	29th	10·3
	Dwarka	37?	29·672		29·656	29·820	16th	29·477	28th	·343	81·1	84·4		78·0		81·2		6·4	87·8	22nd	73·2	29th	14·6
	Bhavnagar Para	55	29·680	P	29·679	29·844	16th	29·432	27th	·412	81·2	90·5	P	76·5	−0·6	83·5	P	14·0	94·6	18th	73·0	16th	21·6
49	Nowgong	757	28·918	+·048	29·635	29·062	15th	28·770	30th	·292	79·8	88·0	+0·1	77·1	+0·4	82·7	+0·3	10·9	93·5	22nd	74·5	31st	19·0
	Indore	1,823	27·927?	+·050?	29·710?	28·077	16th	27·718	27th	·359	75·2	83·4	+0·5	71·5	+0·2	77·4	+0·	11·9	88·6	19th	69·1	16th	19·5
	Neemuch	1,624	28·094	+·038	29·680	28·244	16th	27·909	27th	·335	77·0	87·3	+2·3	73·5	+1·0	80·4	+1·7	13·8	94·5	22nd	70·7	17th & 19th.	23·8
45	Surat	39	29·711	+·012	29·695	29·867	16th	29·464	27th	·403	79·5	86·5	−0·5	76·9	+0·4	81·7	−0·	9·6	90·6	18th, & 25th.	74·5	7th & 8th	16·1

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

NOTE 1.—When a query is inserted against any reading or

NOTE 2.—The data from which divisional means of the figure

I—*continued.*

Stations in India, Burma, etc., in August, 1906—continued.

Wind Direction. Number of winds from Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	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 h. Mean humidity at 8 h.	Departure from normal.	Mean vapour tension at 8 h.	Departure from normal.	Cloud. Mean cloud amount at 8 h.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 31st August 1906.	Normal rainfall for period, 1st May to 31st August	Departure from normal of period, 1st May to 31st August 1906.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
2			7	2	1	13	5	1	S 31° W	4·4				83	— 4	·894	—·060	4·9	—2·6	9	12·30	—3·30	10·50	11·96	—1·46	24·10	27·32	— 3·22	2·59	Cawnpore.
7	1	2	4	4		4	6	3	S 68° W	2·6			2·6	85	0	·911	—·022	6·6	—0·2	7	10·90	—3·90	5·21	10·13	—4·92	14·65	21·04	— 9·39	1·93	Mainpuri.
														83	+2	·881	+·003	6·3	+0·4				9·43	10·72	—1·35					VI.—Upper Sub-Himalayas.
19			8	1			3		S 83° E	1·8	3·6	—50	1·7					7·8	+0·9	8	12·18	4·18	8 12	11·43	—6·31	33·20	36·62	—3·42	3·55	Bareilly.
31									Calm	1·4	1·1	+27		93	+ 3	·798	—·002	8·5	+0·2	24	21·30	+2·70	27·40	30·68	—3·28	61·38	71·21	—9·83	3·34	Dehra Dun.
20				7		3		1	S 18° E	1·9*	2·5	—24	1·9*	88	+ 2	·881	+·003	7·0	+0·3	16	12 10	+3·90	12·35	13·09	—0·74	41·25	31·83	+9·42	3·52	Roorkee.
18			4	1		1	5	2	S	1·0	2·1	—52	1·0	83	+ 2	·894	+·111?	5·6	—1·3	10	9·40	+0·60	4·58	9·30	—4·72	24·38	22·74	+1·64	1·61	Meerut.
1	2	1	7	4		4	7	5	N 78° W	5·3	4·1	+29	4·7	81	+ 3	·908	+·047	6·7	0	8	9·30	—1·30	3·52	8·52	—5·00	16·65	21·13	—4·48	0·86	Delhi.
5	2		7	14		2		1	S 60° E	3·5	2·9	+21	3·7	78	+ 3	·910	+·050	4·1	+0·3	4	5·20	—1·20	3·21	5·30	—2·09	6·80	14·17	—7·37	2·52	Lahore.
2			3	5	2	9	10		S 40° W	2·9	4·6	—37	2·5	63	— 8	·805	—·050	3·6	—1·1	2	4·80	—2·80	0·87	3·87	—3·00	4·04	10·51	—5·47	0·45	Sirsa.
1	1		13	9	4	2	1		S 57° E	4·6			4·7	87		·928		7·0		14			10·01			21·62			2·20	Patiala.
7				22		1		1	S 42° E	2·3	1·4	+64	2·0	85	+ 6	·878	—·014	5·5	—0·8	14	7·30	+6·70	6·87	6·35	+0·52	11·60	19·25	—7·65	0·95	Ludhiana.
7	1	4	11	4	2			2	N 88° E	3·1	2·3	+35	2·6	81	+ 2	·893	+·001	4·5	+0·3	11	8·40	+2·60	8 65	9·69	—1·04	16·42	21·81	—5·39	3 72	Sialkot.
22			4	4				1	S 71° E	1·2			1·1	89	+ 1	·904	—·037	7·9	+2·4	14	7·90	+6·10	11·53	8 03	+3·50	24·56	22·70	+1·86	2·15	Ambala.
13		2	4	8		1	1	1	S 59° E	3·1	1·6	+91	2·9	83	+ 3	·865	+·026	7·4	+3·2	14	8·00	+6·00	16·01	8·70	+7·31	27·59	20·71	+6·88	2·34	Rawalpindi.
														73	+ 1	·876	+·025	3·6	—0·2				2·26	2·57	—0·31					VII.—Indus Valley and North-West Rajputana.
18	4	1					4	4	N 39° W	2·1	4·0	—48	2·3	72	+ 1	·842	+·019	4·1	+0·8	3	2·30	+0·70	1·46	2·36	—0·90	2·59	5·07	— 2·48	0·79	Peshawar.
16		4		11					S 64° E	1·4	2·1	—33	1·5	75	+ 1	·932	+·013?	2·9	+0·7	5	2·40	+2·60	4·28	1·63	+2·65	8·02	5·00	+ 3·02	1·27	D. I. Khan.
1	1	15	9	3	2				N 71° E	12·9			12·4	72	+ 3	·900	+·041	2·0	—0·8	5	2·80	+2·20	4·24	2·73	+1·51	8·64	9 75	— 1·11	1 48	Khushab.
2		1	3	4	9	12			S 6° W	11·6			11·5	64	+ 1	·885	+·054	1·5	—1·1	4	3 20	+0·80	2·90	2·99	—0·09	5·58	6·88	— 1·30	2·12	Montgomery.
5	2	2	1	1	8	12			S 22° W	2·8	3·2	—13	2·5	69	+ 1	·888	+·020	1·6	—0·5	2	2·30	—0·30	0·67	2·02	—1·35	1·32	5·35	— 4·03	0·50	Multan.
	2	2	1	9	13	1	1	2	S 20° E	4·9	4·0	+23	6·1	75	+ 4	·890	+·005	2·0	—0·1	2	1·90	+0·10	1·01	1·13	—0·12	1·07	2·60	— 1·53	0·57	Jacobabad.
	4		1	6	18	1	1		S 43° W	15·6	13·8	+13	13·9	72	+ 2	·836	+·062?	4·2	—0·9	1	2·40	—1·40	1·40	2·40	—1·00	4·28	5·66	— 1·38	1·40	Hyderabad.
	1				3	19	8		N 81° W	15·4	17·2	—10	13·2	82	— 1	·906	+·004	8 7	+0·9	2	1·90	+0·10	2·63	1·77	+0·86	3·97	6 14	— 2·17	1·22	Kurrachee.
		3	4	4	12	6	2		S 36° W	8 2	6·2	+32	10·1	67	— 2	·842	+·012	3·5	—1·0	3	4·90	—1·90	3·85	3·12	+0·73	5·77	9·09	— 3·32	1·92	Bikaner.
	1	1	2	11	12	2	2		S 25° W	16·2	9·7	—67	15·2	79	0	·900	+·045	1·9	?	2	4·90	—2·90	0·68	3·56	—2·88	4 33	10·31	— 5·98	0·38	Pachpadra.
6	1	1	2		8	10	3		S 29° W	6·5			5·5	73		·812		7·1		4	5·90	—1·90	1·75	4·56	—2·81	5·91	10·51	— 4·60	0·59	Jodhpur.
														81	— 2	·839	—·005	7·0	—0·2				5·49	7·32	—2·26					VIII.—East Rajputana, Central India and Gujarat.
	1	1	6	1		3	15	4	N 83° W	6·5	5·5	+18		71	— 8	·783	·030	6·5	—0·4	3	11·60	—8·60	1·39	8·89	—7·50	8·34	20·70	—12·36	0·61	Jaipur.
3	1	3	2	1		12	7	2	S 69° W	4·0			3·2	71		·795		5·4		7	10·60	—3·60	3·11	8·92	—5·81	21·73	23·45	—1·72	0·95	Kotah.
1	2		7	1		2	14	4	N 75° W	8·1	8 1	0		68	— 9	·766	—·029	4·7	—1·6	2	9 40	—7·40	1·71	6·77	—5·06	9·53	16·34	—6·81	0·88	Sambhar.
3		1	2	4		8	4	9	S 82° W	10·8	5·5	+96	9·4	76	— 6	·806	+·007	6·2	—0·1	5	8·90	—3 90	3·35	7·25	—3·90	14·48	17·76	—3·28	1 55	Ajmer.
9		3			3	10	5	1	S 54° W	5·4			4·8	80		·759		6·7		8	8·70	—0·70	5·16			20·09			2·14	Udaipur.
	1	3			2	13	10	2	S 70° W	15·8	14·9	+ 6	13·3	91	+ 9	·914	+·077	8·1	+0·8	6	3·70	+2·30	2·33	2 44	—0·11	11·44	12·03	—0·59	0·59	Bhuj.
5					4	18	3	1	S 46° W	10·1			9·9	83		·877		5·2		6			7·23			21·23			2·93	Jamnagar.
1	1	1			4	20	2	2	S 49° W	11·9	11·6	+ 3	11·8	83	— 1	·840	+·002	8·2	+0·7	10	6·60	+3·40	8·25	4·52	+3·73	20·67	23·17	—2·50	3·08	Rajkot.
	2				1	14	12	2	S 72° W	16·9	13·9	+22	16·9	87	— 1	836	+·016	7·5	—0·7	8	8·10	—0·10	7·34	2·30	+5·04	21·33	14·79	+6·60	3·27	Veraval.
					6	18	4	3	S 49° W	18·0				88		·937		8·2		7			10·90			18·65			6·58	Dwarka.
		1		1	1	20	3	5	S 59° W	9·4			7·9	79	— 2	·836	—·044	7·4	+0·3	8	8·80	—0·80	3·78	4·42	—0·64	18·61	14·27	+4·37	1·31	Bhavnagar Para
1		1	6	2	3	3	14	1	S 56° W	2·0	3·4	—41	2·0	85	— 2	·803	—·019	7·9	—0·1	7	14·10	—7·10	3·61	13·51	—9·90	19·12	36·19	—17·07	1·33	Nowgong.
4		3			5	15	4		N 86° W	6·1	6·1	0	4·9	84	— 5	·746	—·020	8·8	—0·1	12	10·60	+1·40	11·69	7·56	+4·13	36·50	23·50	+13·00	5·90	Indore.
1	2	3	1		2	11	9	2	S 74° W	12·0	11·9	+ 1	10·1	83	— 2	·769	—·007	7·4	+0·6	4	10·50	—6·50	1·41	9·22	—7·81	16·66	23·58	—6·92	0·59	Neemuch.
3	1			2	8	8	8	1	S 44° W	7·4	13·6	—46	7·0	89	+	·911	+·022	8·0	+0·4	15	17·30	+2·70	6·95	7·29	—0·34	26·61	34·7$_2$	—8·11	1·74	Surat.

In the returns of any station, the data for that station are not utilized in calculating the provincial departures from normal.
Columns Nos. 40, 42, and 44 are derived, are incomplete.

* Mean of 30 days.

Table

Abstract of Observations taken at 8 h. at 232

Number of rainfall division.	Station.	Elevation of barometer above sea-level, in feet.	Pressure, 8 h., in inches.								Temperature of air.												
			Mean 8 h. pressure reduced to 32°.	Departure from normal.	Mean 8 h. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 h. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
45	Ahmedabad	163	29·556*	+·013*	29·667*	29·711	16th	29·324	27th	·377	79·9*	89·5†	−0·6†	76·7†	−0·4†	83·1†	−0·5†	12·8	93·6	18th & 25th.	73·7	14th	19·9
	Deesa	466	29·230	+·019	29·651	29·581	16th	29·017	26th	·364	79·4	90·4	+1·5	75·3	−0·3	82·9	+0·6	15·1	99·3	22nd	73·4	4 days.	25·9
22	Agra	556	29·101	+·044	29·616	29·225	16th	28·897	2nd	·328	82·7	91·7	+0·6	80·0	+1·2	85·9	+0·9	11·7	98·0	18th	77·4	15th	20·6
21	Jhansi	858	28·822	+·051	29·637	28·962	15th	28·674	30th	·288	80·7	91·1	+2·2	78·2	+1·1	84·7	+1·7	12·9	97·2	21st	75·8	15th	21·6
	IX.—Deccan.			+·026								86·5	+1·3	72·9	+0·6	79·7	+0·9	13·7					23·5
38	Belgaum	2,539	27·290	+·001	29·777	27·411	5th	27·140	26th	·271	70·4	77·7	+1·6	66·6	+0·2	72·2	+1·0	11·1	84·3	17th	64·8	23rd	19·5
	Sholapur	1,590	28·205	+·005	29·750	28·325	5th	28·009	26th	·216	76·5	89·2	+0·4	71·8	+1·2	80·5	+0·8	17·4	95·7	12th	68·1	30th	27·6
	Poona	1,846	27·950	+·007	29·756	28·079	5th	27·739	26th	·340	73·8	82·3	+0·4	69·6	+0·1	75·9	+0·3	12·7	87·0	16th & 17th.	66·8	11th & 14th.	20·2
	Bijapur	*1,948*	27·865	+·007	29·765	27·983	5th	27·674	26th	·309	74·3	87·1	+1·0	69·6	−0·3	78·4	+0·4	17·5	93·2	13th & 16th.	62·2	21st	31·0
40	Malegaon	1,430	28·322	+·010	29·710	28·453	16th	28·112	27th	·341	77·3	87·4	+0·8	71·4	−0·1	79·4	+0·4	16·0	93·4	16th	69·1	6th, 12th & 15th.	24·3
	Ahmednagar	2,154	27·648	+·012	29·752	27·769	16th	27·452	26th	·317	74·5	85·5	+0·7	68·8	−0·2	77·1	+0·3	16·7	91·5	12th & 23rd	64·0	15th	27·9
41	Akola	930	28·810	+·021	29·693	28·937	16th	28·597	26th	·340	78·3	88·2	+1·0	73·9	+0·6	81·2	+0·8	14·3	94·3	15th	66·9	31st	27·4
	Amraoti	1,215	28·528	+·039	29·700	28·654	5th	28·320	26th	·334	77·9	87·8	+1·7	73·7	+1·1	80·7	+1·4	14·1	95·2	16th	65·3	31st	29·9
42	Khandwa	1,044	28·682	+·023	29·689	28·825	16th	28·469	27th	·356	77·2	86·5	+1·0	74·3	+0·2	80·4	+0·6	12·2	92·7	17th	67·1	31st	25·6
	Hoshangabad	1,006	28·708	+·030	29·679	28·853	16th	28·561	30th	·352	77·7	87·1	+2·1	73·8	0	80·5	+1·1	13·3	92·1	18th	68·8	31st	23·3
	Nagpur	1,017	28·708	+·044	29·689	28·840	15th	28·486	27th	·354	78·0	86·7	?	74·6	0	80·7	?	12·1	92·1	16th	68·6	30th & 31st.	23·5
43	Chanda	*634*	29·098	+·026	29·681	29·232	16th	28·866	26th	·366	78·7	87·9	+0·3	75·2	+0·2	81·6	+0·3	12·7	95·0	6th	71·0	30th	22·0
	Seoni	2,033	27·697	+·045	29·676	27·842	15th	27·478	29th	·364	76·1	85·7	+2·6	73·3	+1·7	79·5	+2·2	12·4	89·8	15th	67·0	6th	22·8
	Jubbulpore	1,327	28·376	+·054	29·662	28·527	15th	28·178	29th	·349	78·5	87·9	+3·2	75·1	+1·2	81·5	+2·2	12·8	92·9	18th	71·8	31st	21·1
	Saugor	1,807	27·901	+·044	29·664	28·043	15th	27·706	30th	·237	76·1	86·0	+2·4	73·3	+0·5	79·4	+1·5	12·7	91·1	18th	69·5	31st	21·6
49	Sutna	1,040	28·626	+·044	29·628	28·780	15th	28·473	27th	·307	80·3	87·8	+1·9	77·1	+1·2	82·5	+1·6	10·7	92·9	21st	74·6	31st	18·3
44	Raipur	970	28·740	+·051	29·663	28·871	15th	28·488	27th	·363	78·4	87·1	+1·2	74·5	−0·4	80·8	+0·4	12·6	91·6	6th	71·4	28th & 30th.	20·2
	Pendra	2,123?	27·675		29·618	27·818	15th	27·473	28th	·345	76·5	84·2		73·1		78·7		11·1	88·3	21st	69·1	31st	19·2
	Sambalpur	486	29·220	+·050	29·655	29·366	16th	28·933	28th	·433	80·9	88·4	+1·2	77·5	+0·3	83·0	+0·8	10·9	91·6	6th	74·1	8th & 29th.	17·5
39	Aurangabad	1,905	27·873		29·725	28·006	16th	27·679	26th	·327	76·5	85·3		70·2		77·8		15·1	92·2	16th	69·7	31st	27·5
	Indur	1,260	28·553		29·769	28·653	20th	28·371	26th	·282	78·3	87·2		73·7		80·4		13·5	96·8	13th	71·2	28th, 29th & 31st.	19·6
	Bidar	*2,165*	27·655		29·768	27·777	5th	27·462	26th	·315	74·5	84·7		70·8		77·6		13·9	90·3	10th	66·0	1st	24·3
58	Gulbarga	1,503	28·276	−·009	29·735	28·412	5th	28·093	26th	·319	76·2	89·5	+1·2	72·4	+1·3	81·0	+1·3	17·1	97·9	18th	69·3	30th	28·6
	Raichur	1,326?	28·495?	?	29·776?	28·612	5th	28·338	26th	·274	77·6	89·1	+0·6	72·8	+0·3	81·0	+0·5	16·3	94·6	5th	69·6	28th & 31st.	25·0
	Hyderabad (Dn.)	1,690	28·096	+·017	29·739	28·217	5th	27·909	26th	·308	76·1	86·3	+0·2	72·8	+1·7	79·6	+1·0	13·5	91·8	5th	69·2	4th & 30th.	22·6
	Hanumkonda	871	28·881		29·704	28·998	16th	28·677	26th	·321	78·8	87·6		75·2		81·4		12·4	92·5	5th	71·3	15th & 31st.	21·2
	X.—West Coast.			−·008								83·0	−0·1	75·7	+0·6	79·4	+0·3	7·2					1 ·
37	Bombay	37	29·757	0	29·734	29·867	16th	29·539	26th	·328	79·8	84·7	+0·7	77·8	+0·8	81·3	+0·8	6·9	83·0	17th	75·5	20th & 21st.	12·5
	Ratnagiri	110	29·716	+·007	29·765	29·830	5th	29·553	26th	·277	79·3	84·4	+0·7	76·5	+1·3	80·5	+1·0	7·9	87·3	17th	73·9	25th & 28th.	13·4
	Mormugao	*60*	29·793	−·003	29·788	29·901	5th	29·654	26th	·237	78·7	82·8	−0·6	76·2	+0·4	79·5	−0·1	6·6	85·5	5th & 12th.	72·4	23rd	13·1
	Goa	199	29·634	?	29·771	29·756	5th	29·500	26th	·256	79·0	82·7	+0·8	77·1	+1·3	79·9	+1·1	5·6	86·0	17th & 18th.	73·5	23rd	12·5
	Karwar	44	29·812	−·007	29·790	29·924	5th	29·699	26th	·225	78·3	82·4	−0·1	75·9	+1·3	79·2	+0·6	6·5	84·7	15th	73·5	24th	11·2
33	Cochin	10	29·887	−·020	29·825	29·980	5th	29·847	26th	·133	78·1	84·6	+0·9	74·4	+0·1	79·5	+0·5	10·2	87·3	5th, 6th & 31st.	68·7	20th	18·6
	Calicut	27	29·863	−·017	29·820	29·979	5th	29·813	21th & 26th.	·166	76·6	82·0	0·8	74·6	+0·5	78·3	−0·2	7·4	85·3	6th	72·7	7th & 8th.	12·6
	Mangalore	65	29·820	−·013	29·818	29·929	5th	29·736	26th	·193	77·0	81·2	−1·6	74·4	+0·4	77·8	−0·6	6·8	83·7	5 days.	71·9	20th	11·8
	Trivandrum	198	29·694	−·012	29·824	29·788	5th	29·634	12th	·154	77·2	81·8	−0·5	74·8	−0·4	78·3	−0·5	7·0	85·0	15th	72·0	20th	13·0

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

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

Note 2.—The data from which divisional means of the figure columns Nos. 40

* Mean of 30 days.

† Mean of 29 days.

I—*continued.*

Stations in India, Burma, etc., in August, 1906—continued.

Wind Direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	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 h. Mean humidity at 8 h.	Departure from normal.	Mean vapour tension at 8 h.	Departure from normal.	Cloud. Mean cloud amount at 8 h.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 31st August 1906.	Normal rainfall for period, 1st May to 31st August.	Departure from normal of period, 1st May to 31st August 1906.	Heaviest rainfall during month.	STATION.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
1	2		1	1	8	11	4	2	S 41° W	7·2*			6·2	83*	0	·842*	−·017	9·1*	+0·8	8	10·90	−2·90	10·48	7·66	+2·82	34·14	27·02	+7·12	5·93	Ahmedabad.
	1	1	1	2	11	10	4	1	S 27° W	11·3	12·0	− 6		84	0	·843	+·003	7·9	−0·2	12	10·09	+1·91	7·02	6·67	+0·35	14·42	19·35	−4·93	2·51	Deesa.
				10		20		1	S 21° W	6·4	4·4	+45	7·6	78	− 4	·873	−·040	7·3	+0·7	7	10·00	−3·00	3·86	8·14	−4·28	14·19	22·20	−8·01	1·62	Agra.
3		3	3	2		9	9	2	S 67° W	6·2	3·9	+59	7·6	83	+ 1	·881	+·011	3·2	−3·5	4	12·70	−8·70	4·72	11·61	−6·89	15·00	30·20	−11·20	2·82	Jhansi.
														83	− 2	·763	+·008	6·9	−1·0				9·09	8·92	+0·13					IX.—Deccan.
15						2	12	2	W	13·1	2·7	−37		92	0	·683	+·015	8·5	−0·2	12	17·40	−5·40	6·31	8·67	−2·36	31·97	35·06	−3·09	1·33	Belgaum.
	1	1	1			9	5	14	N 75° W	11·6	11·0	+ 5	11·5	76	+ 1	·699	+·029	7·0	−0·7	7	8·00	−1·00	6·11	6·19	+0·02	14·47	15·64	−1·17	1·92	Sholapur.
1						11	16	3	S 77° W	11·9	14·0	−15		83	0	·699	+·006	8·4	0	8	8·60	−0·60	4·72	3·31	+1·41	18·42	16·42	+2·00	1·14	Poona.
1	1			1	1	14	11	2	S 67° W	9·4			10·2	86	+ 4	·729	+·034	7·2	−0·3	8	5·60	+2·40	8·79	2·47	+6·32	16·64	9·83	+6·81	3·55	Bijapur.
3		1		1		10	13	3	S 76° W	10·3	10·0	+ 3	11·8	79	+ 2	·745	+·025	4·0	−3·3	10	5·80	+4·20	9·46	3·55	+5·91	19·74	13·72	+6·02	2·32	Malegaon.
2	3				1	10	9	6	S 88° W	7·8			9·5	80	− 3	·686	+0·54	3·3	−3·9	10	5·20	+4·80	9·23	2·29	+6·94	18·49	11·15	+7·34	3·80	Ahmednagar.
3				1	1	5	12	9	N 87° W	6·7	7·9	−15	5·9	84	+ 1	·816	+·048	8·1	+0·3	10	8·90	+1·10	9·58	6·28	+3·30	32·52	22·48	+10·04	1·95	Akola.
3	1	1	1	1		2	19	3	N 85° W	7·6	6·1	+25	6·8	87	− 2	·772	−·010	6·3	−1·6	9	10·00	−1·00	11·35	6·44	+4·91	34·49	23·77	+10·72	3·40	Amraoti.
3						2	9	17	N 65° W	6·2	7·6	−18	6·2	83	− 2	·771	+·003	6·8	−0·9	12	10·70	+1·30	11·97	7·05	+4·92	32·53	22·10	+11·43	3·28	Khandwa.
3		3	2		1	14	4	1	S 56° W	3·5	3·4	+ 3	3·6	87	− 4	·836	0	8·7	+0·1	16	15·00	−5·00	10·78	14·68	−3·90	37·58	38·83	−1·25	2·20	Hoshangabad.
3	2	4	1		1	8	10	2	S 88° W	5·9	8·0	−26	4·7	86	+ 1	·826	+·016	7·3	−1·4	13	12·00	+0·40	22·37	11·06	+11·31	56·62	34·96	+21·66	6·57	Nagpur.
3					1	5	7	2	S 76° W	5·7	5·4	+ 6	5·0	86	+ 4	·851	+·052	6·8	−1·6	13	13·60	−0·60	11·55	13·90	−2·35	42·40	40·40	+2·00	3·28	Chanda.
2	1	4	2	1	2	5	7	7	N 77° W	7·5	4·8	+56	6·3	83	− 7	·740	−·046	6·6	−1·9	10	16·40	−6·40	13·48	12·49	+0·99	44·72	40·21	+4·51	5·65	Seoni.
1	1	3	2	2	1	7	10	3	S 80° W	4·5	4·6	− 2	4·0	80	−10	·784	−·044	6·8	−1·5	13	16·30	−3·30	5·91	16·48	−10·57	36·23	46·68	−10·45	0·95	Jubbulpore.
	1	1	5	1	1	6	15		S 72° W	9·5	4·3	+121	8·5	84	− 6	·755	−·044	8·2	+0·6	12	15·40	−3·40	5·49	12·97	−7·48	31·80	37·53	−5·73	1·25	Saugor.
		3	4	1		8	9	1	S 67° W	5·0	7·9	−37	4·6	86	− 1	·883	+·012	9·8	+2·4	6	14·40	−8·40	2·53	12·47	−9·94	25·91	34·45	−8·54	0·84	Sutna.
		2	4			20	2		S 41° W	5·3	7·3	−27	6·4	88	− 1	·854	+·012	6·1	−2·6	10	14·20	−4·20	9·33	13·02	−3·69	32·84	38·73	−5·89	1·98	Raipur.
	2	4		3	7	4	3	3	S 31° W	4·0			3·4	86		·789		7·5		13			7·46			44·44			1·63	Pendra.
		1	4	2	2	21	1		S 29° W	5·1	3·0	+70	5·0	83	− 3	·883	−·003	6·2	−1·9	15	17·10	−2·10	10·68	17·63	−6·95	39·10	53·42	−14·32	2·68	Sambalpur.
	3	1				6	14	3	N 85° W	11·8			11·7	79		·689		7·3		7	9·50	−2·50	4·70	5·25	−0·55	23·10	19·06	+4·04	1·12	Aurangabad.
	6					1		18	N 36° W	3·9			3·3	75		·722		5·6		11	14·50	−3·50	7·54	10·61	−3·07	30·88	26·76	+4·12	1·95	Indur.
	5	1			5	12	8	2	S 65° W	7·8			6·5	84		·719		4·6		9	12·50	−3·50	7·20	8·39	−1·19	25·61	23·93	+1·68	2·20	Bidar.
	3			1		3	12	5	N 77° W	9·0			8·0	79	− 1	·713	+·009	7·2	−0·4	8	8·10	−0·10	11·35	4·75	+6·60	26·93	16·93	+10·00	3·55	Gulbarga.
						7	17	4	S 85° W	15·8			15·0	74	− 4	·767	−·006	6·5	−1·1	16	8·70	+7·30	9·49	6·52	+2·88	19·59	15·89	+3·70	2·52	Raichur.
						14			W	4·8			4·7	80	− 2	·720	+·004	7·1	−0·5	13			7·49	7·61	−0·12	21·43	19·70	+1·73	1·48	Hyderabad (Dn.)
					8	7	9	1	S 50° W	7·4			6·5	77		·768		6·6		13	1·00	+1·00	11·74			29·38			4·23	Hanumkonda.
														89	+ 1	67	+·011	8·5	+0·7				15·52	17·08	−1·56					X.—West Coast.
3	4			2	12	9	1		S 75° W	10·4	15·8	−34		87	+ 1	·900	+·019	8·6	−0·3	19	19·50	−0·50	20·92	14·07	+6·85	52·17	60·46	−8·29	4·69	Bombay.
3		1	3		8	8	3		S 78° W	9·5	10·3	− 8	9·4	90	+ 2	·896	+·021	8·1	+0·1	17	23·70	−6·70	17·41	24·29	−6·88	82·79	89·62	−6·83	3·93	Ratnagiri.
5	15	1		1					N 39° E	9·8				92	+ 2	·899	+·001	9·0	+2·0	18			15·63	18·59	−2·96	77·32	76·67	+0·65	3·70	Mormugao.
4		7		1	6	5	6		N 65° W					89	9	·877	−·003	9·0	+0·5	22			13·20	19·14	−5·94	79·71	82·87	−3·16	2·95	Goa.
7							4	1	N 32° W	3·5				90	+ 2	·879	+·045	7·3	0	17	24·00	−7·00	14·61	23·91	−9·30	82·69	100·95	−18·26	2·90	Karwar.
1	1	2	1	1	3	8	9		N 72° W	9·0				87	+ 1	·847	+·006	8·5	+1·4	17	18·60	−1·60	13·35	13·47	−0·12	73·44	76·06	−2·62	2·00	Cochin.
2			1			2	7		N 45° W	5·9			5·9	92	+ 1	·847	+·013	8·7	+1·4	17	18·80	−1·80	13·18	15·80	−2·62	78·10	88·24	−10·14	2·59	Calicut.
	2	6	2			6	4		N	5·0	2·9	+72		93	+ 1	·861	+·006	8·8	+0·3	22	24·40	−2·40	24·08	22·26	+1·82	99·11	101·17	−2·06	5·57	Mangalore.
						4	16		N 43° W	6·0				85	− 1	·801	−·006	8·2	+0·8	11	9·30	+1·70	7·30	4·15	+3·15	40·04	32·51	+7·53	2·24	Trivandrum.

ita for that station are not utilized in calculating the provincial departures from normal.
44 are derived, are incomplete.

Table

Abstract of Observations taken at 8 h. at 23

Number of rainfall division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 h., in inches.								Temperature of air.												
			Mean 8 h. pressure reduced to 32°.	Departure from normal.	Mean 8 h. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 h. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	XI.—South India			+·007								89·4	—1·1	74·2	—0·1	81·7	—0·6	15·2					24·9
57	Pamban	37	29·808	—·005	29·772	29·907	5th	29·740	22nd	·167	81·7	88·7	−0·3	77·8	−0·8	83·3	−0·6	10·9	92·3	14th	74·2	16th	18·1
	Tinnevelly	168	29·689	+·003	29·786	29·779	5th	29·617	22nd	·162	83·6	94·9	−1·8	75·8	−3·3	85·4	−2·6	19·1	99·8	14th	67·9	16th	31·9
	Madura	447	29·403	+·012	29·786	29·501	5th & 7th.	29·321	22nd	·180	81·0	92·7	−3·9	74·9	−0·9	83·8	−2·4	17·8	98·0	31st	71·0	15th	27·0
	Periyakulam	944	28·896		29·780	28·987	5th	28·809	22nd	·178	77·7	90·5		71·9		79·6		18·6	96·3	7th	68·1	31st	28·2
34	Salem	940	28·921	—·013	29·808	29·014	5th	28·845	24th	·169	77·4	89·9	−2·3	73·3	+0·8	81·6	−0·8	16·6	96·7	3rd	71·4	10th & 24th	25·2
	Coimbatore	1,348	28·502	—·007	29·806	28·594	5th	28·410	th	·184	75·2	86·8	−1·9	70·9	+0·3	78·9	−0·8	15·9	93·9	13th	68·3	16th	25·6
35	Mercara	3,781	26·181	0	26·114	26·277	5th	26·103	26th	·174	64·9	71·4	+1·7	62·5	+0·5	67·0	+1·1	8·9	77·0	14th	61·1	2nd	15·9
36	Chitaldroog	2,405	27·446	—·003	29·796	27·556	5th	27·321	26th	·235	72·2	82·3	+0·2	68·6	+0·6	75·5	+0·4	13·7	89·1	13th	65·9	20th	23·2
	Bangalore	3,021	26·870	—·013	29·816	26·970	5th	26·779	26th	·191	70·0	80·8	−1·0	66·1	+0·5	73·5	−0·3	14·7	85·2	13th	62·3	13th	23·0
	Hassan	3,091	26·818	−·008	29·829	26·921	5th	26·709	26th	·212	70·3	80·2	+1·9	65·1	+0·6	72·7	+1·3	15·1	85·0	18th	63·4	7th	21·6
	Mysore	2,518	27·373	−·011	29·837	27·466	5th	27·292	26th	·174	71·7	82·0	−2·0	67·4	+0·9	74·7	−0·6	14·6	87·0	9th	64·5	31st	22·5
56	Negapatam	31	29·792	−·014	29·753	29·873	5th	29·714	23rd	·159	79·9	92·6	—1·1	77·0	−0·3	84·8	−0·7	15·6	98·4	15th, 29th & 31st.	73·5	22nd	24·9
	Cuddalore	37	29·782	—·002	29·748	29·879	15th	29·690	23rd	·189	80·4	91·7	—2·0	76·5	+0·2	84·1	−0·9	15·2	97·1	30th & 31st.	73·2	4th	23·9
	Trichinopoly	255	29·585	—·002	29·773	29·669	5th	29·506	22nd	·163	87·2	93·3	−3·3	75·5	—1·2	84·4	−2·3	17·8	100·1	3rd & 4th	70·4	16th	29·7
	Pudukkottai	318	29·528		29·780	29·615	5th	29·449	22nd	·166	80·2	91·5*		74·4		82·5*		17·1	98·4	31st	69·4	7th	29·0
	Madras	22	29·795	+·005	29·749	29·874	5th	29·694	26th	·180	81·8	91·8	—2·0	76·9	—0·4	84·4	—1·2	14·9	98·0	31st	73·5	20th	24·5
	Vellore	707	29·110		29·760	29·206	5th	29·013	24th	·193	79·5	91·0		74·4		82·7		16·6	97·9	4th	71·2	9th	26·7
55	Nellore	52	29·740	+·003	29·734	29·837	5th	29·626	25th	·211	82·3	93·9	—1·7	77·1	—1·6	85·5	—1·7	16·8	101·8	6th	73·1	2nd	28·7
	Masulipatam	15	29·772	+·038	29·723	29·859	5th & 16th.	29·631	27th	·228	82·7	90·8	—0·5	78·6	+1·0	84·7	+0·3	12·2	99·7	6th	74·6	10th	25·1
54	Cuddapah	433	29·385	+·003	29·747	29·496	5th	29·250	26th	·246	81·1	93·2	−0·5	75·8	—1·0	84·5	−0·8	17·4	99·7	4th	71·1	15th	28·6
	Kurnool	523	28·875	−·003	29·747	29·002	5th	28·720	26th	·282	78·3	90·0	+0·2	74·4	+0·7	82·2	+0·5	15·6	94·7	12th	70·6	31st	24·1
	Bellary	1,475	28·339	—·002	29·765	28·449	5th	28·200	26th	·249	77·6	91·3	+0·5	74·0	+0·4	82·7	+0·5	17·3	99·0	13th	70·7	18th & 22nd.	28·3
52	Cocanada	26	29·742	+·049	29·704	29·857	16th	29·566	27th	·291	82·1	90·1	+0·4	78·5	0	84·3	+0·2	11·6	97·1	5th & 6th	74·0	9th	23·1
	Waltair (Vizag.)	*226*	29·515	+·045	29·692	29·660	16th	29·282	27th	·378	81·8	88·3	?	77·7	?	83·0	?	10·6	93·4	5th	72·9	6th & 7th	20·5
	Calingapatam	19	29·723		29·682	29·872	15th	29·452	27th	·420													
	Gopalpur	72	29·662	+·082	29·676	29·802	16th	29·397	27th	·405	82·4	87·1	−0·3	79·2	+0·4	83·2	+0·1	7·9	90·2	22nd	76·0	27th & 28th.	11·2
	XII.—Hill Stations																						
48	Pishin											97·3		67·6		82·5		29·7	103·4	3rd 4th & 5th.	59·1	23rd & 24th.	44·3
	Quetta	5,502	24·484	+·005	24·444	24·616	23rd	24·320		·296	76·4	92·5	+2·0	65·5	+4·4	79·0	+3·2	27·0	99·6	4th	57·3	24th & 31st.	42·3
	Kalat										75·5	93·4	+3·0	55·3	+7·1	74·4	+5·1	38·1	103·2	5th	45·4	17th	57·2
	Chaman	4,311	25·502	+·015	25·464	25·679	23rd	25·319	3rd	·360	80·1	99·1	+1·1	72·7	+2·4	85·9	+1·8	26·4	106·8	3rd, 4th & 5th.	59·8	24th	47·0
30	Leh	11,503	19·679	+·015	19·647	19·807	23rd	19·528	2nd	·279	60·0	77·7	+0·3	50·6	+0·8	64·2	+0·6	27·1	83·2	6th	45·0	23rd	38·2
	Srinagar	5,204	24·704	—·003	24·675	24·866	23rd	24·466	2nd	·400	71·9	88·4	+4·5	65·6	+2·7	77·0	+3·6	22·8	95·3	6th	58·2	23rd	37·1
	Gulmarg	*8,569*	21·811		21·779	21·951	23rd	21·608	2nd	·343	62·4	72·0		51·5		61·8		20·5	79·6	21st	43·3	23rd	36·3
	Sonemarg	*8,764*	21·732		21·700	21·844	23 d	21·584	2nd	·260	57·7	74·4		50·9		62·7		23·5	80·9	6th	41·1	23rd	39·8
	Skardu	*7,505*	22·742		22·712	22·938	23rd	22·538	2nd	·400	69·8	90·7		60·3		75·5		30·4	108·5	3rd	51·2	15th & 23rd.	57·3
	Dras	*10,059*	20·755		20·723	20·895	23rd	20·582	2nd	·303	63·2	82·0		51·6		66·8		30·4	88·0	2nd, 3rd & 4th.	41·1	23rd	46·9
	Gilgit	4,890	24·901		24·874	25·143	23rd	24·671	2nd	·472	81·9	98·2	+4·0	73·5	+1·4	85·9	+2·7	24·7	108·2	5th	65·7	26th	42·5
32	Chitral	*5,486*									75·2	96·2		67·1		81·7		29·1	108·5	6th	59·0	23rd	49·5
	Killa Drosh	4,700?									77·4			67·6		77·6†		27·0	106·7	5th	55·5	23rd	51·2
	Para Chinar	6,000	24·327		24·294	24·444	23rd	24·158	3rd	·286	72·8	85·0		66·0		75·5		19·0	93·9	3rd	59·0	22nd	34·9
	Cherat	*4,256*	25·548	+·024	25·514	25·693	23rd	25·316	2nd	·377	73·5	85·7	—1·2	69·1	—1·1	77·4	—1·2	16·6	95·1	4th	60·5	22nd	34·6

N.B.—Elevations in italics indicate barometrical determinations.
* Mean of 3 days.
† 16 „

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 the figure columns Nos. 46,
Note 3.—The barometric readings are not reduced to sea-level in the cases of hill or plateau stations the elevations

I—*continued.*

Stations in India, Burma, etc., in August, 1906—continued.

Wind Direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	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 h. Mean humidity at 8 h.	Departure from normal.	Mean vapour tension at 8 h.	Departure from normal.	Cloud. Mean cloud amount at 8 h.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 31st August 1906.	Normal rainfall for period 1st May to 31st August.	Departure from normal of period 1st May to 31st August 1906.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
														81	+5	·797	+·034	6·5	—0·6				7·51	4·25	+2·95					XI.—South India.
12		2	1	1	2	7	4	2	S 51° W	9·1			9·6	88		·894		4·5		5	0·60	+4·40	3·12	0·81	+2·31	4·22	1·65	+2·57	1·85	Pamban.
2	3	4				3	12	7	N 62° W	6·3			6·0	72	+13	·830	?	5·3	—0·2	4	1·00	—6·00	3·92	0·48	+3·44	4·35	2·68	+1·67	1·42	Tinnevelly.
1	6				1		9	14	N 52° W	5·9	3·7	+59	6·8	74	+ 8	·787	+·053	6·9	+1·6	6	6·20	—0·20	6·55	3·69	+2·86	12·42	9·65	+2·77	2·27	Madura.
21	2	3	2	1	1			1	N 53° E	2·3			2·5	76		·738		5·6		10	3·80	+6·20	10·82	1·88	+8·94	19·94	6·35	+13·59	5·70	Periyakulam.
		1				17	10	3	S 69° W	5·0	4·2	+19	4·4	82	+ 3	·785	+·014	6·9	+0·5	17	9·50	+7·50	9·57	7·47	+2·10	19·23	18·93	+0·30	1·40	Salem.
					8	19	4		S 40° W	8·6	7·4	+16	7·9	83	— 1	·734	—·009	5·4	—0·4	7	3·00	+4·00	3·87	1·12	+2·75	7·64	6·28	+1·36	1·39	Coimbatore.
6	3				1	16	5		N 74° W	5·6	8·9	—37	5·2	95	0	·593	+·016	5·1	+0·5	25	26·70	—1·70	28·05	26·36	+1·69	106·09	99·84	+6·25	4·85	Mercara.
1				1		10	14	5	S 67° W	9·0			7·8	84	+ 2	·666	+·019	8·3	—0·6	9	7·80	—1·20	7·83	2·68	+5·15	17 80	13·01	+4·79	2·85	Chitaldroog.
	1		2			11	13	4	S 79° W	8·9	7·6	+17	7·9	89	+ 4	·656	+·040	9·0	+0·8	14	10·40	+3·60	10·56	5·36	+5·20	22·56	16·69	+5·37	2·59	Bangalore.
8		1		1		7	11	3	S 80° W	3·3			2·9	88	+ 5	·657	+·043	8·7	0	17	9·60	+7·40	11·31	3·37	+7·94	20·13	17·40	+2·73	2·72	Hassan.
	1	2			1	14	12	1	S 70° W	8·9			9·6	84	+ 3	·651	+·009	8·7	+0·8	14	6·40	+7·60	7·86	2·93	+4·93	16·56	12·43	+4·13	1·97	Mysore.
1						7	18	5	S 87° W	7·5	5·7	+32	7·1	78	+ 7	·799	+·003	4·4	—1·3	8	5·70	+2·30	6·65	3·66	+2·99	12·56	8·65	+3·91	2·52	Negapatam.
3					2	15	9	2	S 62° W	3·4			4·2	80	0?	·836	—·044?	4·7	—2·0	8	8·00	0	4·33	5·33	—1·00	8·92	11·14	—2·22	1·24	Cuddalore.
6					1	7	12	5	S 83° W	5·4	8·2	—34		76	+ 9	·793	+·067	6·1	—0·8	10	5·40	+4·60	7·96	4·35	+3·61	11·91	10·10	+1·81	1·69	Trichinopoly
4	11					1	1	14	N 31° W	6·0			7·1	76		·787		6·6		12			9·59			17·35				3·35	Pudukkottai,
2			1		6	6	16		S 62° W	5·6	7·3	—23		82	+ 7	·897	+·071	5·2	—2·1	6	12·60	—6·60	4·46	5·34	—0·88	11·30	12·47	—1·17	1·5	Madras.
9	2	5	8	5				2	N 78° E	3·0			3·0	77		·771		4·9		15	7·90	+7·10	11·78	5·31	+6·47	18·83	14·53	+4·30	2·07	Vellore.
1	1			1	6	6	9	7	S 74° W	7·5				76	+ 4	·835	+·019	7·2	—0·5	11	5·40	+5·60	4·50	4·03	+0·47	7·27	8·46	—1·19	1·35	Nellore.
13					2	5	6	5	N 81° W	7·8	7·8	0	6·9	89	+ 6	1·005	+·114	7·3	—0·5	10	9·80	+0·20	7·39	6·89	+0·50	20·24	18·64	+1·60	2·20	Masulipatam
		2	2	3		4	12	8	N 82° W					75	+ 2	·789	+·016	7·4	—0·4	8	8·00	0	5·16	6·15	—0·99	16·08	15·02	+1·06	1·	Cuddapah.
2						12	10	7	S 81° W	8·9				87	+12	·833	?	6·6	—0·9	10	9·20	—0·80	5·08	5·91	—0·86	16·41	15·20	+1·24	0 38	Kurnool.
2	2			1	1	5	15	5	N 89° W	7·7	10·7	—28	6·8	72	+ 4?	·673	+·025	6·4	—1·5	6	4·10	+1·90	3 99	2·32	+1·67	11·18	7·76	+3·42	1·59	Bellary.
9	3	1				10	7	1	N 80° W	5·6			4.7	86	+ 5	·943	+·093	7·4	—0·2	12	9·70	+2·30	7·58	5·40	+2·18	25·39	17·03	+8·36	2·26	Cocanada.
4	1	2				14	10		S 67° W	11·3			9·2	79	0?	·863	+·002	8·2	+0·4	10	8·40	+1·60	15·19	5·32	+10·17	32 34			5·88	Waltair (Visag.).
2	2	1		1	1	7	15	2	S 81°W	9·4			8·0							9			12·07						4·25	Calingapatam
5	2	1	1		2	18		2	S 49° W	12·5	9·1	+37	12·3	84	— 1	·915	—·010	4·7	—2·8	7	10·60	—3·60	5·84	7·96	—2·12	18·90	23·95	—5·05	1·73	Gopalpur.
																														XII.—Hill Stations.
																				0	0·20	—0·20	0	0·15	—0·15	0·05	0·45	—0·40	0	Pishin.
				1					S 45° E	0·8	4·5	—82	0·8	82	+ 4	·565	+·086	1·4	+0·3	1	0·70	+0·30	0·25	0·62	—0 37	0·43	2·19	—1·76	0·25	Quetta.
30																				1	0·50	+0·50	0·26	0·31	—0·05	0·90	1·65	—0·75	0·11	Kalat.
	4		3		23		1		S 6° E					47		·410				0	0	0	0·06	0	+0·06	0·06	0·28	—0·22	0·06	Chaman.
11	2	1	9	5	3				S 74° E	8·3			9·1	40	+ 7	·418	+·049	1·0	+0·4	0	1·70	—1·70	0·06	0·54	—0·48	0·38	1·33	—0·95	0·03	Leh.
29					1	1			S 24° W	3·1				52	— 7	·277	—·005	5·0	+0·8	0	4·70	+2·30	2·58	1·94	+0·64	7·96	9·30	—1·34	0·86	Srinagar.
17	2	2		2	5	1		2	S 17° E	2·8			2·6	83	— 3	·658	+·033	5·0	+0·4	7									0·98	Gu.marg.
4	5	10	4		1	3	1	3	N 28° E	3·8			4·4	76		·441		4·1		8			2 94			10·63			0·50	Sonemarg.
11	7	10	1					2	N 22° E	4·6			4·2	82		·394		5·1		6			2·01			12·54			0·26	Skardu.
22		1	1	1	2	3		1	S 7° W	5·5			5·6	49		·344		3·9		2	1·10	+0·90	0·54	0·96	—0·42	4·61	2·72	+1·89	0·09	Dras.
25		2		1		2			S 45° E	14·2			11·4	57		·332		3·8		0	1·40	—1·40	0·22	0 58	—0·36	4·57	4·59	—0·02	0·09	Gilgit.
29			1				1		Cal m	1·7			1·5	41	— 9	·426	—·068	3·3	—0·9	3	1·80	+1·20	0·57	0·34	+0·23	3·81	2·10	+1·71	0·22	Chitral.
27		2		2					S 45° E	5·8			5·1	79		·712		2·4		6			1·51			4·86			0·56	Kilta Drosh.
	1	7	5	2		4	5	7	N 8° W					64		·593		5·6		4			1·27			7 ·22			0·70	Para Chinar.
31									Calm	3·5			3·2	72		·586		9·0		12	6·40	+5·60	6·55	2·57	+3·98	17·30	9·83	+7·47	1·85	Cherat.
9	4			4	12	1	1		S 6° E	10·4			10·1	87	+14	·723	+·135	6·2	+2·3	7			6·01	3·21	+2·80		10·03	—1·29	·32	

station, the data for that station are not utilized in calculating the provincial departures from normal.
42, and 44 are derived, are incomplete.
of which exceed 3,200 feet.

§ Rainfall since 23rd May.

Ta

Abstract of Observations taken at 8 h. at

Number of rainfall division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 h., in inches.								Temperature of air.											
			Mean 8 h. pressure reduced to 32°.	Departure from normal.	Mean 8 h. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 h. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
29	Murree	6,333	23·756	+·013	23·724	23·878	23rd	23·551	2nd	·327	65·4	72·6	−1·8	58·1	−2·9	65·4	−2·4	14·5	80·0	3rd	53·9	10th & 29th,
	Kailang	*10,087*	20·911		20·866	20·993	23rd	20·780	3rd	·213	58·4	75·3	+1·6	50·8	+0·5	63·1	+1·1	24·5	82·7	7th	45·5	26th
	Poo											73·8		58·9		66·4		14·9	80·6	3rd	54·1	21st
	Simla	7,224	23·041	+·032	23·003	23·146	23rd	22·846	2nd	·300	60·5	64·6	−2·5	58·6	−0·9	61·6	−1·7	6·0	70·4	23rd	55·5	22nd
	Sarain		23·089			23·189	23rd	22·894	2nd	·295	63·2	69·6		58·0		63·9		11·6	74·7	6th	53·6	22nd
	Kalabagh		20·119			20·214	23rd	19·940	2nd	·274	51·2	55·4		48·1		51·7		7·3	58·7	25th & 26th.	42·1	22nd
	Chakrata	7,042	23·207	+·029	23·167	23·330	23rd	23·002	2nd	·328	62·1	67·2	−1·6	59·9	+0·4	63·6	−0·6	7·3	71·3	23rd	57·0	30th
25	Muktesar	7,600	22·749		22·707	22·860	23rd	22·558	2nd	·302	60·5	67·4		58·0		62·7		9·4	72·9	7th	56·1	9th
13	Yatung	10,480										61·1		49·0		55·1		12·1	68·1	25th	44·2	21st & 29th,
	Darjeeling	7,376	22·978	+·027	22·933	23·083	23rd	22·825	2nd	·258	60·9	66·0	+0·5	57·3	+0·1	61·7	+0·3	8·6	69·2	23rd, 25th & 30th,	55·6	18th, 26th & 28th.
8	Shillong	4,920	25·050		25·001	25·132	23rd	24·919	2nd	·213	66·9	73·4		62·8		68·1		10·6	77·9	31st	59·7	20th, 24th & 30th.
	Cherra Poonjee	4,309	25·604		25·555	25·674	15th	25·469	2nd	·205	66·5	71·5		64·8		68·2		6·7	77·7	26th	63·3	18th, 26th & 28th.
50	Mount Abu	3,945	25·395	+·027	25·343	26·022	16th	25·741	27th	·281	67·1	72·3	+0·3	64·9	+0·7	68·6	+0·5	7·4	79·2	25th & 26th.	62·4	13th & 14th.
42	Pachmarhi	3,528	26·301	+·025	26·248	26·438	16th	26·097	30th	·341	69·6	76·9	+2·2	66·9	−0·2	71·9	+1·0	10·0	81·2	18th	62·7	31st
34	Ootacamund	*7,322*	22·978		22·914	23·051	4th, 5th & 6th.	22·905	27th	·146	56·5	63·0		52·6		57·8		10·4	68·5	13th	50·3	12th
57	Kodaikanal	7,688	22·785		22·720	22·866	5th	22·705	24th	·161	56·4	62·6		52·5		56·3		10·1	67·1	17th	50·3	14th
	XIII.—Extra India.																					
	Trincomalee	12	29·838	+·003	29·776	29·921	5th	29·782	22nd	·139	78·9	88·6	−3·5	76·7	−0·3	82·7	−1·9	11·9	92·0	4 days	73·0	8th
	Colombo	40	29·856 (c)	−·029	29·823	29·955	5th	29·803	12th	·152	79·5	85·1	−0·5	77·2	−0·3	81·2	−0·4	7·9	87·0	5th & 31st	72·0	15th
	Meshed	3,104	27·145			27·400	22nd	26·910	2nd	·490	80·0	86·5		64·9	+4·5	75·7		21·6	96·4	10th	53·8	
	Teheran (b)	*4,002*																				
	Ispahan	*5,817*	24·168 (b)			24·380	23rd	24·030	3rd	·350	72·9	97·3	+1·8	65·1	+3·6	81·2	+2·7	32·2	105·5	6th	54·3	24th
	Bushire	14	29·564 ‡‡	+·020	29·537 ‡‡	29·715	24th	29·418	3rd	·297	88·4	91·2	−2·8	82·6	−1·4	88·4	−2·1	11·6	99·5	24th	73·5	23rd
	Bahrein	18	29·601		29·571	29·754	24th	29·432	3rd	·322	93·0	96·9		84·7		90·8§		12·2	101·2	22nd	79·3	15th
	Jask	13	29·621	+·013	29·591	29·787	16th	29·400	2nd	·387	88·2	94·4	−0·1	84·2	+0·2	89·3	+0·1	10·2	101·8	4th	80·2	28th
	Muscat	20	29·607	+·014	29·574	29·758	16th	29·430	3rd	·328	86·5	92·6	+4·7	84·4	+0·1	88·5	+2·4	8·2	105·3	4th	80·6	12th & 13th,
	Baghdad	220	29·490	−·018	29·679	29·615	24th	29·345	3rd	·270	87·7	112·7	+4·3	79·0	+0·2	95·9	+2·3	33·7	118·6	28th	71·3	8th
	Busrah	25	29·583		29·567	29·739	24th	29·464	3rd	·275	84·6	102·8		75·0		88·9		27·8	108·8	20th	69·7	12th & 16th.
	Aden	94	29·666	+·016	29·692	29·739	9th	29·569	4th	·170	85·0	91·6	+0·1	78·6	−1·0	85·1	−0·5	13·0	94·8	17th	74·4	5th
	Perim	201	29·569	+·029	29·701	29·596	13th	29·535	27th	·055	89·6	96·1	−0·1	86·6	+3·1	91·3	+1·5	9·5	98·1	26th	81·4	7th
	Kabul		24·165 (c)		24·134	24·256	21st & 24th.	24·020	2nd	·236	76·2	93·4	+0·9	62·3?	+2·8?	77·9?	+1·9?	31·1?	106·9	9th	54·9	17th
	Kashgar	4,255	25·457			25·700	24th	25·310	2nd & 3rd.	·390	76·1	92·2	+4·1	67·7	+2·4	80·0	+3·3	24·5	102·5	5th	55·5	27th
	Amini Divi	*13*	29·892	+·001	29·833	29·989	5th	29·825	26th	·164	80·3	84·5	−0·8	77·2	−0·2	80·9	−0·5	7·3	88·8	5th	73·4	23rd
	Minicoy	7	29·910		29·842	30·007	5th	29·823	22nd	·179	80·5	84·8	−0·5						88·5	4th		
	Zanzibar	72	30·091	+·007	30·094	30·186	5th	30·020	15th	·166	73·9	81·4	+0·7	72·5	−0·2	77·0	+0·3	8·9	81·6	27th	69·9	5th
	Do. Dunga**	*154*	29·986		30·070	30·063	5th	29·893	15th	·170	72·7	83·3		?		?		?	87·5	30th	?	?
	Penang (a)	20	29·922		29·860	29·942	3rd	29·894	11th	·048	80·5	88·0		73·6		80·8		14·4	92·0	27th & 28th.	71·0	26th
	Singapore (a)	10	No observation taken.										Observatory under repair.									

(a) 9 h. observations.
(b) Aneroid uncorrected.
(c) Aneroid corrected.

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

** Observations of 29 days.

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

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

I—*concluded.*

stations in India, Burma, etc., in August, 1906—concluded.

Wind Direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	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 h. Mean humidity at 8 h.	Departure from normal.	Mean vapour tension at 8 h.	Departure from normal.	Cloud. Mean cloud amount at 8 h.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 31st August 1906.	Normal rainfall for period, 1st May to 31st August.	Departure from normal of period, 1st May to 31st August 1906.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
4	1	1		1	5	1	1		S 3° W	3·4	4·8	−29	3·7	91	+9	·574	+·060	8·2	+3·4	19	15·60	+3·40	14·68	13·62	+1·06	28·78	31·96	− 3·18	2·23	Murree.
	1	1	7	2	1	4	9	6	N 82° W	1·8				77		·376		4·4		5			1·13	1·43	−0·30	4·32	6·65	− 2·33	0·25	Kailang.
22	2				3	1	3		S 63° W									6·9		1			0·26	0·45	−0·19	1·14	2·57	− 1·43	0·14	Poo.
12	9	2			6			2	N	2·7	1·6	+ 69	2·6	95	+ 4	·509	+·003	8·1	+0·1	28	18·90	+ 9·10	42·53	17·67	+24·86	73·16	45·42	+27·74	6·63	Simla.
28			1			2			S 26° W	0·9			0·8	86		·500		9·1		23			18·11			47·08			2·97	Sarain.
7	9		1	1	4	1	1	7	N 29° W	10·3			9·0	95		·361		9·7		25			30·07			61·95*			4·86	Kalabagh.
19	2			2	8				S 11° E	4·0	4·3	− 7	4·8	96	+ 3	·539	+·008	8·7	+2·8	22	20·10	+1·90	30·47	19·18	+11·29	59·68	50·45	+ 9·23	4·66	Chakrata.
9	3	1	3	3		5	7		S 68° W	9·4†			8·8†	96		·509		9·3		21			15·79			31·02			1·61	Muktesar.
																				21	24·13	−3·13	10·95	9·68	+1·27	29·19	31·20	− 2·01	1·56	Yatung.
13	1	5	2	1	2	3	3	1	N 45° E	3·9	3·4	+15	3·6	96	0	·520	+·006	9·1	+0·1	25	24·13	+0·87	35·48	26·83	+8·65	98·20	92·88	+ 5·32	4·71	Darjeeling.
26				1		4			S 32° W	1·2			1·4	87		·574		8·0		25	18·50	+6·50	19·49	12·70	+6·79	62·31	51·91	+10·40	3·35	Shillong.
14	1	2	1	2	4	4	3		S 19° W	5·2			4·6	97		·636		9·4		26	25·70	+0·30	124·83	74·79	+50·04	366·75	322·98	+43·77	16·83	Cherra Poonjee.
		3	3		2	20	2	1	S 41° W	15·5	10·8	+44	15·7	89	− 7	·597	−·012	8·6	−0·1	21	17·20	+3·80	22·61	20·21	+2·40	42·65	50·64	− 7·99	5·33	Mount Abu.
7		1		2		8	9	4	S 77° W	7·1	7·5	− 5	7·3	89	− 3	·649	−·002	8·1	−1·0	17	21·80	−4·80	15·47	20·68	−5·21	61·01	57·21	+ 3·80	3·46	Pachmarhi.
9	1	1	1	3		4	11	1	S 75° W	5·0			4·7	87		·398		8·4		23	11·30	+11·70	18·72	4·70	+14·02	36·25	22·75	+13·50	2·11	Ootacamund.
	3	2		2	2		8	14	N 54° W	13·5				90		·408		7·0		19	11·30	+7·70	12·44	5·99	+6·45	25·49	20·36	+ 5·13	1·27	Kodaikanal.
																														XIII.—Extra India.
2	1					28			S 47° W	9·3				83	+ 5	·827	−·042	2·1	−0·8	8			6·43	4·64	+1·79	16·97	10·58	+ 6·39	1·50	Trincomalee.
			1	1		16	13		S 62° W	8·5	8·7	− 2		86	+ 9	·876	+·036	7·7	+1·6	6			5·86	3·90	+1·96	21·74	28·08	− 6·34	1·84	Colombo.
														43		·446		1·0		1			0·13	0·01	+0·12	3·72	0·99	+ 2·73	0·13	Meshed.
																								0·05			0·83			Teheran.
27	1					1	2		N 84° W	1·8			2·3	52		·431		0·6		0			0	0	0	1·08	0·17	+0·91	0	Ispahan.
1	2	5	2	5	3	1	2	10	S 75° E	9·5	7·8	+22	10·5	84	+17	1·113	+·124	0·5		1			0·19	0	+0·19	0·22	0	+ 0·22	0·19	Bushire.
	1	2	3	2	2	7	10	2	S 66° W	§§ 2·1			1·8§§	72		1·109		0		0			0			0·05			0	Bahrein.
																							0	0	0	0·07	0·13	− 0·06	0	Jask.
2	1		15	10				3	S 79° E	16·8			16·1	73	− 3	·966	−·055	6·3	+4·2	0			0·03	0	+0·03	0·27	0·40	−0·13	0·03	Muscat.
17	2		1	7				3	S 78° E	3·9			4·1	78	− 4	1·000	−·002	4·6	+2·4	0			0	0·09	−0·09	0·03	0·33	− 0·30	0	Baghdad.
7	13			1				10	N 18° W	6·4	3·2	+100	8·4	35		·456		0·2		0				0		0·63			0	Busrah.
2	24				4		1		N 3° W					62		·728				0			0·02	0·14	−0·12	0·02	0·37	−0·35	0·01	Aden.
1		5	3	8	6	6	2		S 27° E		10·8			74	+ 2	·891	+·053	3·9	+0·2	0			0·01	0·43	−0·42	0·04	0·83	−0·79	0·01	Perim.
		4	2		2		17	6	N 73° W	16·3			14·0	70		·974		3·1		0			0·97	0·18	+0·79	2·29	1·13	+1·16	0·57	Kabul.
	2	3	5	5	8	4	3	1	S 22° E					45		·393		1·8		3			0·25	1·10	−0·85	1·22	2·58	−1·36	0·20	Kashgar.
26	1				1			3	N 45° W	1·7			1·5	59		·522		1·5		1			12·24	5·04	+7·20	50·29	32·19	+18·10	2·35	Amini Divi.
8	4						9	15	N 53° W					84		·870		7·6		19			10·26	6·49	+3·77	50·67	28·15	+22 52	4·08	Minicoy.
	3						12	16	N 59° W	9·8			10·5	83		·862		6·3		16			0·54	1·90	−1·36	22·00	16·33	+5·67	0·36	Zanzibar.
1				2	12	15	1		S 23° W	7·1			6·7	85		·712		4·8		1			0·27			21·52			0·11	Do. Dunga.
10				1	5	11	2		S 33° W	4·5†			4·4†	89		·715		5·2		2			10·51			36·35			2·21	Penang.
	7		12		4	1	1	6	N 43° W	7·7								1·6		16										Singapore.

* Rainfall since 1st June 1906.

† Mean of 20 days.
‡ ,, ,, 27 ,,
§§ ,, ,, 23 ,,

†† Wind observation less 2.

TABLE II.—Abstract of Observations recorded at 10 h. and 16 h. at 62 Stations in India, Burma, etc., in August, 1906.

Tal

Abstract of Observations recorded at 10 h. and 16 h

Meteorological Province.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure.						Temperature of air.										Temperature Wet-bulb.		
			Mean of 10 h.	Mean of 16 h.	Mean daily range.	Mean of daily mean pressures.	Departure from normal.	Mean reduced to S. L. and gravity, 45° Lat.	Mean maximum.	Mean minimum.	Mean daily range.	Highest maximum.	Lowest minimum.	Absolute range.	Mean 10 h.	Mean 16 h.	Mean of daily means.	Departure from normal.	Mean minimum.	Mean 10 h.	Mean 16 h.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Burma Coast and Bay Islands.	Port Blair	61	29·817	29·733	·084	29·777	+·021	29·769	85·5	77·1	8·4	88·6	74·0	14·6	82·7	82·4	80·2	0	74·7	78·3	77·9
	Rangoon	36	·828‡	·727‡	·101	781	+·029	·754‡	‡86·4	77·2	9·2	91·4	73·4	18·0	83·4‡	82·9‡	80·1‡	+1·4	76·1‡	79·1‡	78·0‡
	Diamond Island	41	·821	·726	·095	·776	+·030	·752	85·0	77·1	7·9	87·4	72·7	14·7	82·3	83·0	81·3	+1·1	73·6	78·5	78·3
	Akyab	20	·806	·711	·095	·764	+·066	·726	85·6	77·6	8·0	91·1	74·9	16·2	82·2	83·7	81·8	+0·7		79·8	80·0
Bengal and Orissa.	Chittagong	87	·705	·605	·100	·660	+·065	·695	85·1	75·8	9·3	89·2	73·7	15·5	82·2	81·3	80·1	−0·3	75·0	78·5	78·0
	Calcutta (Alipore)	21	·705	·604	·101	·657	+·066	·623	88·4	78·7	9·7	91·7	75·9	15·8	84·8	86·1	83·3	+0·9	77·0	80·3	80·3
	Saugor Island	25	·705	·607	·098	·661	+·073	·630	89·2	80·9	8·3	91·9	76·3	15·6	85·8	86·7	84·1	+1·6	78·2	81·5	82·0
	False Point	21	·722	·624	·098	·678	+·068	·611	87·3	78·3	8·5	90·1	75·6	14·5	85·3	85·1	82·0	+0·4	77·2	80·6	80·1
Gangetic Plain and Chota Nagpur.	Hazaribagh	2,007	27·707	27·618	·089	27·665	+·052	·602	84·4	73·4	11·0	87·9	71·5	16·4	80·5	80·3	77·6	+0·4	71·8	74·5	74·5
	Allahabad	309	29·365	29·257	·108	29·314	+·048	·573	90·1	78·1	12·0	96·2	75·0	21·2	85·7	88·0	83·1	−0·1	76·7	79·3	80·4
Upper Sub-Himalayas.	Dehra Dun	2,233	27·476	27·395	·081	27·434	+·030	·609	82·3	72·4	9·9	88·0	69·6	18·4	77·0	78·8	76·1	−1·2	71·2	74·3	75·3
	Roorkee	899	28·773	28·674	·099	28·722	+·044	·580	87·4	77·2	10·2	92·0	73·4	18·6	82·0	85·3	80·9	−1·6	75·7	77·4	79·0
	Lahore	702	·909	·815	·094	·854	+·020	·597	98·0	80·9	17·1	106·9	71·8	32·1	89·8	91·1	88·5	+1·4	76·8	80·6	82·3
	Ludhiana	812	·830	·735	·095	·775	+·036	·546	90·1	77·9	12·2	98·1	74·2	23·9	84·8	87·3	82·8	−3·0	75·1	79·3	79·8
Indus Valley and N.-W. Rajputana.	Peshawar	1,110	·506	·399	·107	·445	+·019	·506	98·3	78·8	19·5	109·2	70·2	39·0	89·0	96·5	87·7	+0·1	74·5	79·0	79·6
	Jacobabad	186	29·392	29·279	·113	29·340	+·017	·480	104·1	82·0	22·1	109·8	71·8	38·0	93·2	100·6	92·0	+0·4	76·8	81·4	83·2
	Kurrachee	30	·638	·559	·079	·602	+·020	·582	91·0	79·6	11·4	95·1	75·0	20·1	86·3	87·2	84·1	+1·7	76·2	79·8	80·3
East Rajputana, Central India and Gujarat.	Jaipur	1,431	28·274	28·167	·107	28·220	+·041	·580	94·9	77·7	17·2	102·5	74·6	27·9	86·6	92·6	84·7	+2·4	73·0	76·4	76·8
	Udaipur	1,925?	27·804	27·717	·087	27·759		·615	85·6	73·4	12·2	92·1	69·9	22·2	80·8	82·5	78·9		70·7	74·2	74·8
	Deesa	466	29·239	29·140	·099	29·187	+·017	·602	90·1	75·1	15·0	99·2	73·2	26·0	83·6	86·9	82·0	+0·3	74·2	77·1	77·6
	Jamnagar	61	·656	·570	·086	·614		·620	88·2	76·6	11·6	92·4	73·4	19·0	84·2	85·7	81·3		74·0	77·3	77·5
Deccan.	Belgaum	2,539	27·299	27·216	·083	27·257	−·004	·722	77·7	66·6	11·1	84·2	64·8	19·4	73·3	74·4	70·7	+1·0	66·4	70·0	70·4
	Sholapur	1,590	28·207	28·089	·118	28·157	+·005	·678	89·2	71·8	17·4	95·8	68·2	27·6	81·5	85·6	78·5	+0·8	68·8	72·9	73·9
	Akola	930	·817	·701	·116	·762	+·016	·633	88·4	73·8	14·6	94·5	67·0	27·5	82·7	85·5	79·7	+0·8	71·8	75·9	76·3
	Buldana	2,132	27·656	27·552	·104	27·602	+·009	·662	82·3	70·0	12·3	86·5	66·7	19·8	77·4	80·2	74·4	+0·3	68·0	71·7	73·0
	Khandwa	1,044	28·693	28·584	·109	28·642	+·020	·638	86·2	74·2	12·0	92·8	67·1	25·7	80·9	83·9	79·3	+0·5	71·4	74·6	75·7
	Nagpur (Sanitary Commr.'s Office)	1,017	·718	·604	·114	·664	+·039	·635	86·5	74·7	11·8	92·0	68·6	23·4	81·4	83·6	79·2	−0·2	72·8	76·0	76·4
	Hyderabad (Deccan)	1,690	·108	27·991	·114	·057	+·026	·680	86·2	72·9	13·3	91·7	69·0	22·7	79·7	83·7	78·1	+1·0	70·0	72·9	74·8
West Coast.	Bombay	37	29·767	29·690	·077	29·727	−·002	·704	84·6	77·9	6·7	87·8	75·4	12·4	81·3	82·5	80·1	+0·7	75·6	77·7	77·8
	Karwar	44	·830	·743	·087	·789	−·006	·767	82·4	75·8	6·6	84·6	73·6	11·0	79·3	80·3	78·0	+0·5	73·6	76·3	76·9

‡ Mean of 30 days.

II.

62 Stations in India, Burma, etc., for August, 1906.

Vapour Tension.					Humidity.					Cloud.				Wind Direction.										Wind Steadiness.		Wind Velocity.		Rainfall.		Station.	Meteorological Province.
														Total number of 10 h. and 16 h. winds from								Mean wind direction.	Normal mean wind direction of month.								
From minimum.	Mean 10 h.	Mean 16 h.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 h.	Mean 16 h.	Mean of daily means.	Departure from normal.	Mean 10 h.	Mean 16 h.	Mean of two previous columns.	Departure from normal.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.			Average percentage.	Normal percentage.	Mean velocity in miles per diem.	Normal.	Total rainfall for the month.	Heaviest rainfall during the month.		
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
																									%	%						
·829	·908	·900	·871	—·035	89	81	81	85	— 2	7·8	8·9	8·4	+0·5			1		8	5	26	21	1	S 51° W	S 51° W	71	81	202*	259	12·63	3·27	Port Blair.	Burma Coast and Bay Islands.
·887‡	·939‡	·900‡	·923	+·019	95‡	82‡	80‡	89	— 4	6·3‡	7·0‡	6·7	—2·3	9	5	1	2	12	22	3	4	1	S 9° E	S 39° W	46	66	33*	106	10·13	2·20	Rangoon.†	
·781	·927	·906	·879	—·007	84	84	80	84	— 4	6·9	6·7	6·8	—1·4	6			3	8	11	17	13	4	S 7° W	S 41° W	52	77	134*	214	14·72	2·39	Diamond Island.	
	·990	·978				89	85			7·8	7·5	7·7	—0·7	1	1	3	10	10	15	13	6	3	S 4° E	S 5° E	42	64	76*	82	26.99	5·79	Akyab.	
·861	·925	·920	·910	—·009	97	84	86	90	+ 3	7·1	7·0	7·1	—0·9			2	1	16	19	19	4	1	S 6° W	S 24° E	68	59	151*	151	32·82	9·71	Chittagong.	Bengal and Orissa.
·907	·978	·960	·950	—·017	82	82	77	85	— 3	8·2	8·3	8·2	—0·5			2	6	9	20	25			S 5° W	S 2° E	69	56	133*	113	8·14	1·10	Calcutta (Alipore).	
·932	1·023	1·034	1·004	+·015	88	83	81	85	— 2	8·0	7·7	7·9	—0·7			1	6	9	25	20	1		S 3° W	S 12° W	72	59	441	322	5·93	1·34	Saugor Island.	
·918	·987	·962	·964	+·015	93	82	80	86	0	8·4	8·6	8·5	+0·4				4	7	15	29	6	1	S 25° W	S 48° W	71	54	223*	235	6·35	1·57	False Point.	
·762	·776	·775	·784	—·026	93	75	76	83	— 3	8·6	9·1	8·9	—0·7		4		3	11	6	9	13	16	S 76° W	S 9° W	32	9	168*	185	7·12	1·12	Hazaribagh.	Gangetic Plain and Chota Nagpur.
·903	·917	·938	·931	—·015	93	75	72	83	— 1	8·0	8·0	8·0	—0·1		3	8	9	1	2	6	26	7	N 71° W	N 6° E	34	5	140*	158	8·59	1·71	Allahabad.	
·754	·817	·834	·829	+·007	94	88	85	91	+ 3	9·1	8·8	9·0	+1·4	6	18	2	6	5	4	10	5	6	N 30° W	S 23° W	16	13	32	24	27·40	3·34	Dehra Dun.	Upper Sub-Himalayas.
·873	·882	·907	·914	+·020	93	81	75	88	+ 7	6·8	5·6	6·2	0	23		4		17		5	3	10	S 13° E	S 27° E	10	21	62	58	12·35	3·52	Roorkee.	
·869	·923	·947	·937	+·053	83	67	60	71	0	4·0	4·2	4·1	+0·1	7	6	2	7	21	6	3	7	3	S 42° E	S 78° E	29	24	89*	67	3·21	2·32	Lahore.	
·846	·927	·917	·923	+·026	89	79	72	83	+ 8	5·7	5·4	5·6	—0·2	8				42		1	6	5	S 36° E	S 60° E	53	11	45*	43	6·92	0·95	Ludhiana.	
·809	·875	·801	·852	+·056	81	64	47	65	+ 4	3·2	4·3	3·8	+0·9	19	12	18	1			1	3	8	N 8° E	N 39° E	48	47	56*	86	1·46	0·70	Peshawar.	Indus Valley and N.-W. Rajputana.
·856	·913	·904	·915	+·060	78	59	47	62	+ 3	0·7	1·1	0·9	—1·3	3	1	2	5	21	25	1	2	2	S 25° E	S 42° E	61	56	158*	101	1·01	0·57	Jacobabad.	
·860	·929	·944	·923	+·037	85	74	73	81	0	8·5	7·1	7·8	+1·1	1	2	1				19	36	3	S 80° W	S 69° W	83	86	340*	394	2·63	1·22	Kurrachee.	
·757	·781	·727	·768	—·048	79	61	48	65	—13	6·5	7·1	6·8	—0·8		1	3	15	3		14	21	5	S 71° W	N 69° W	26	42	160	113	1·39	0·61	Jaipur.	East Rajputana, Central India and Gujarat.
·719	·771	·774	·768		88	73	70	79		7·4	6·9	7·2		4	4	6	3	1	3	25	14	2	S 65° W		45		112*		5·16	2·14	Udaipur.	
·837	·847	·823	·848	+·036	96	74	66	81	+ 5	8·0	8·5	8·3	+0·3		3	4	1	5	14	27	7	1	S 33° W	S 54° W	58	76	272	288	7·02	2·51	Deesa.	
·807	·848	·833	·839		88	73	68	78		5·6	5·6	5·6			1	1		1	2	31	22	4	S 66° W		80		238*		7·23	2·93	Jamnagar.	
·648	·695	·698	·681	+·022	99	85	82	91	+ 1	8·7	8·8	8·8	+0·1	5	1	1	2	1		16	29	7	S 82° W	S 72° W	68	87	320	516	6·31	1·33	Belgaum.	Deccan.
·669	·702	·694	·694	+·033	86	65	58	74	+ 3	7·4	9·3	8·4	+0·1	2	2	5		4		14	16	19	N 79° W	S 89° W	54	81	281*	307	6·11	1·92	Sholapur.	
·757	·816	·789	·802	+·032	91	73	66	81	+ 1	7·7	8·3	8·0	—0·2	2	4	2		1		10	23	20	N 74° W	N 66° W	71	84	140*	206	9·58	1·95	Akola.	
·665	·716	·728	·709	+·011	90	76	71	80	— 1	8·9	9·6	9·3	+1·3	1	6					8	32	15	N 77° W	N 66° W	81	75	173*	206	6·62	1·77	Buldana.	
·733	·786	·791	·786	+·006	86	75	69	81	— 1	7·9	7·4	7·7	0	11	1			1	1	2	17	29	N 64° W	N 78° W	68	84	150*	202	11·97	3·28	Khandwa.	
·786	·836	·826	·831	+·019	91	78	73	85	+ 2	6·8	7·8	7·3	—1·4	5	3	2	1	5	3	18	21	4	S 69° W	N 78° W	53	64	114*	173	22·37	6·57	Nagpur (Sanitary Commrs'. Office).	
·701	·722	·753	·736	+·005	87	72	66	78	— 2	6·6	8·1	7·4	—0·2	35						1	25	1	W	N 85° W	42	85	115*	202	7·49	1·48	Hyderabad (Deccan).	
·856	·903	·896	·893	+·008	90	84	80	86	— 1	8·6	8·5	8·6	+0·2		3		1		1	24	24	11	S 81° W	S 81° W	74	79	254	370	20·92	4·69	Bombay.	West Coast.
·801	·867	·880	·857	+·020	89	87	85	89	+ 1	6·3	6·7	6·5	—0·7	16	6					1	25	14	N 67° W	N 84° W	62	74	81	103	14·61	2·90	Karwar.	

* Corrected.

† Wind observations less 3.

Tabl

Abstract of Observations recorded at 10 h. and 16 h. a

Meteorological Province.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure.						Temperature of air.										Temperature, Wet-bulb.			
			Mean of 10 h.	Mean of 16 h.	Mean daily range.	Mean of daily mean pressures.	Departure from normal.	Mean reduced to S. L. and for gravity 45° Lat.	Mean maximum.	Mean minimum.	Mean daily range.	Highest maximum.	Lowest minimum.	Absolute range.	Mean 10 h.	Mean 16 h.	Mean of daily means.	Departure from normal.	Mean minimum.	Mean 10 h.	Mean 16 h.	Mean of three previous columns.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
South India.	Periyakulam	944	28·897	28·777	·120	28·837		29·709	90·8	71·9	18·9	96·3	68·1	28·2	83·2	86·0	81·3		69·8	73·6	74·3	72·6
	Salem	940	·926	·797	·129	·876	—·006	·748	90·0	73·3	16·7	96·7	71·6	25·1	82·1	86·0	79·5	—0·7	71·6	75·2	76·8	74·5
	Chitaldroog	2,405	27·451	27·345	·106	27·407	—·002	·724	82·4	68·5	13·9	89·1	66·0	23·1	75·8	80·3	73·6	+0·4	66·5	69·9	71·0	69·1
	Bangalore	3,021	26·876	26·775	·101	26·835	—·009	·742	80·6	66·2	14·4	85·3	62·5	22·8	74·4	77·4	71·5	—0·3	65·4	69·3	70·5	68·4
	Hassan	3,091	·829	·732	·097	·790	+·001	·770	80·2	65·1	15·1	85·0	63·4	21·6	74·3	75·2	70·7	+1·2	64·5	69·5	69·7	67·9
	Mysore	2,518	27·379	27·269	·110	27·333	—·013	·763	82·0	67·4	14·6	86·9	64·4	22·5	76·0	78·8	72·8	—0·6	66·0	69·6	70·9	68·8
	Pudukkottai	318	29·531	·404	·130	·469		·716	91·6	74·4	17·2	98·4	69·4	29·0	84·4	89·5	83·0		71·9	75·5	76·5	74·6
	Madras	22	·801	·678	·123	·749	+·003	·702	92·0	77·3	14·7	97·9	73·5	24·4	86·2	88·3	83·6	-0·9	75·3	79·1	80·0	78·2
	Bellary	1,475	28·346	28·219	·127	28·292	—·013	·695	91·1	74·0	17·1	99·2	70·7	28·5	82·6	87·2	81·0	+0·4	69·7	72·2	73·0	71·6
	Waltair	*226*	29·553	29·429	·104	29·486	+·058	·651	88·2	77·8	10·4	93·3	72·9	20·4	84·5	85·1	82·0	—0·8	74·2	77·6	78·1	76·6
Hill Station, Baluchistan.	Quetta	5,502	24·485	24·401§	·084	24·441	—·004	24·400§	92·2§	65·5	26·7	99·5	57·5	42·0	84·3	89·2§	78·4§	+3·1	61·6	65·6	65·0§	64·1
Hill Stations, Northern India.	Leh	11,503	19·669	19·555	·114	19·619	—·004	19·587	77·2	50·6	26·6	83·2	45·0	38·2	67·9	71·7§	61·4	+0·4	41·7¶	53·7	55·3	50·2
	Srinagar	5,204	24·719	24·623	·096	24·668	0	24·639	87·8	65·6	22·2	95·3	58·2	37·1	77·1	85·7	74·1	+3·3	63·1	71·7	77·9	70·9
	Sarain		23·099	23·040	·059	23·067			69·6	58·2	11·4	74·7	53·6	21·1	64·8	65·1	63·4			61·4	61·5	
	Kalabagh		20·135	20·084	·051	20·107			55·3	48·2	7·1	58·7	42·1	16·6	52·4	52·1	51·3			51·5	51·1	
	Simla (Ridge)	7,224	23·058	23·005	·053	23·030	+·026	22·992	64·7	58·8	5·9	70·4	55·5	14·9	61·6	63·0	61·2	—1·6	57·9	60·5	61·9	60·1
	Chakrata	7,022	·213	·171	·042	·188	+·027	23·118	67·1	60·0	7·1	71·3	57·0	14·3	63·7	64·4	63·1	-·0·6	59·4	62·8	63·5	61·9
	Muktesar	7,600	22·767	22·704	·063	22·731	*†	22·692	67·3	58·0	9·3	72·9	56·1	16·8	62·6	63·7	62·2	††	57·5	61·4	62·0	60·3
	Katmandu	4,388	25·519	25·435	·084	25·475	+·038	25·429	80·6	67·8	12·8	85·4	64·9	20·5	75·4	76·5	73·7	—0·8	66·1	70·0	70·9	69·0
	Darjeeling	7,376	22·976	22·939	·037	22·956	+ ·022	22·911	66·2	57·4	8·8	69·4	55·5	13·9	63·2	64·3	61·3	+0·4	57·2	62·0	63·2	60·8
Hill Stations, C. India.	Mount Abu	3,945	25·909	25·840	·069	25·872	+·019	25·823	72·3	64·9	7·4	79·2	62·4	16·8	68·9	70·4	68·1	+0·5	63·8	66·2	67·2	65·8
	Pachmarhi	3,528	26·317§	26·233	·084	26·273	+·029	26·207§	76·6	66·8	9·8	81·0	62·6	18·4	72·2§	74·9	71·3	+0·9	65·3	69·0§	70·5	68·3
	Chikalda	3,642	·217	·126	·091	·170	+·021	·114	75·9	65·7	10·2	80·9	61·2	19·7	71·2	74·3	70·3	+1·9	65·0	68·8	70·4	68·1
Hill Stations, S. India.	Kodaikanal	7,688	22·797	22·728	·069	22·762		22·698	62·5	52·5	10·0	67·1	50·3	16·8	59·3	58·1	57·5		50·8	56·4	56·2	54·5
	Ootacamund	*7,322*	·595	·935	·060	·964		·900	62·9	52·6	10·3	68·7	50·1	18·6	59·7	58·6	57·2		51·4	55·9	56·1	54·5
	Dodabetta	8,539?	21·974	21·919	·055	21·947		21·884	56·1	49·1	7·0	61·4	45·5	15·9	54·9	53·2	52·6		49·6	52·9	52·0	51·5
Extra India.	Aden	94	g29·673	g29·557	·116	29·611	+·027	h29·638	91·7	?	?	94·5	?	?	88·2	90·2	?	?	?	79·6	77·8	?
	Perim	201	·573	·461	·112	·513	+·039	·643	96·2	86·6	9·6	98·1	81·4	16·7	93·0	94·3	91·7	+1·6	78·0	81·9	82·7	80·9
	Minicoy	7	·926	·866	·060	·903		·836	84·8			88·5			81·9	81·7				77·4	77·0	
	Zanzibar	72	30·109	·997	·112	30·060	+·006 ††	30·059	81·6	72·6	9·0	84·6	69·9	14·7	75·9	80·9	77·4	+0·3 ††	67·4	71·2	70·5	69·7
	Port Victoria (Seychelles)	15	·008	·926	·082	29·970	—·003	29·909	80·8	75·4	5·4	82·1	71·0	11·1	79·1	79·7	76·7	+0·1	79·1	73·5	73·7	72·4
	Mauritius (Pamplemousses).	181				·979	—·042	30·109				77·4	51·6	25·8			67·6	-0·4				62·8

N.B.—Elevations in italics indicate barometric determinations. § Mean of 30 days. ‖ Mean of 30½ days. ¶ Mean of 29 days. **Mean of 20 days.

g ,, ,, 19 ,,

h ,, ,, 18 ,,

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

II—*concluded.*

62 Stations in India, Burma, etc., for August, 1906—concluded.

Vapour Tension.					Humidity.					Cloud.				Wind Direction.									Wind Steadiness.		Wind Velocity.		Rainfall.		Station.	Meteorological Province
From minimum.	Mean 10 h.	Mean 16 h.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 h.	Mean 16 h.	Mean of daily means.	Departure from normal.	Mean 10 h.	Mean 16 h.	Mean of two previous columns.	Departure from normal.	Total number of 10 h. and 16 h. winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Mean wind direction.	Normal mean direction of month.	Average percentage.	Normal percentage.	Mean velocity in miles per diem.	Normal.	Total rainfall for the month.	Heaviest rainfall during the month.		
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
																									%	%						
·700	·702	·693	·698		89	62	57	69		5·3	7·4	6·4		20	1	4	7	6	9	4	6	5	S 11° E		14		60*		10·82	5·70	Periyakulam.	South India.
·755	·786	·809	·784	+·030	92	72	66	79	+ 5	7·4	8·0	7·7	+1·1	4	2	6	2		2	21	20	5	S 78° W	S 57° W	53	75	107*	96	9·57	1·40	Salem.	
·629	·661	·646	·649	+·013	90	71	63	78	+ 1	8·4	7·7	8·1	−0·4	4	2	1	1	1	1	12	26	14	N 87° W	S 81° W	68	85	189*	257	7·83	2·85	Chitaldroog.	
·619	·659	·665	·652	+·039	96	78	72	84	+ 5	8·5	8·5	8·5			4	3	1	3		16	25	10	S 89° W	S 81° W	61	88	190*	199	10·56	2·59	Bangalore.	
·602	·669	·666	·650	+·044	97	79	77	86	+ 4	8·9	8·8	8·9	+0·2	10		4	1	2	2	10	21	12	N 89° W	W	50	90	70*	106	11·31	2·72	Hassan.	
·624	·646	·657	·616	+·021	93	72	67	79	+ 3	8·9	8·6	8·8	0		1	6	2	1	1	18	29	4	S 80°W	S 84° W	61	86	232*	300	7·86	1·97	Mysore.	
·749	·766	·739	·751		88	65	54	69		6·5	7·0	6·8		4	14	3			2	9	4	26	N 45° W		60		170*		9·59	3·35	Pudukkottai.	
·854	·901	16	·901	+·065	91	72	69	79	+ 6	5·3	6·4	5·9	−1·0		1	2	6	9	2	13	17	12	S 72° W	S 36° W	35	56	134	166	4·46	1·59	Madras.	
·675	·664	·637	·665	+·017	80	60	51	66	+ 2	6·9	6·6	6·8	−1·6	8	3	1	3		1	13	22	11	N 88° W	N 87° W	56	87	163*	269	3·99	1·59	Bellary.	
·800	857	·873	·853	−·010	84	72	72	77	+ 4	8·0	7·4	7·7	+0·4		2	3	3	5	13	35	1		S 25° W	S 49 W	66	67	220*		15·49	3·88	Waltair.	
·512	·444	·368§	·441	+·067	81	38	27§	50	+ 6	1·3	3·0	2·2	+0·7	46	1					1	6	7	N 66° W	N 78° W	21	33	20*	65	0·25	0·25	Quetta, †	Hill Station, Baluchistan.
·189¶	·293	·274§	255	−·010	50¶	42	32§	44	− 7	4·8	5·5	5·2	−0·1		4	9	4	2	8	18	13	4	S 62° W	S 72° W	31	42	73	43	0·05	0·03	Leh.	
·553	·727	·886	·674	+·061	87	77	71	78	− 2	3·7	3·6	3·7	−0·1	26	5	4	1	2	3	1	5	15	N 40° W	N 48° W	27	9	62*	86	2·58	0·86	Srinagar.	Hill Stations, Northern India.
	·511	·513				83	83			9·3	8·5	8·9		49	1		1	1		7	1	2	S 58° W		10		20*		18·11	2·97	Sarain.	
	·376	·370				95	94			9·8	9·9	9·9		15	16	1	1	3	7	2	5	12	N 37° W		29		218*		30·07	4·86	Kalabagh.	
·473	·518	·544	·513	−·013	95	34	94	95	+ 4	9·5	9·5	9·5	+0·6	27	20	3		1	6		1	4	N 3° W	N 33° E	29	19	61*	86	42·53	6·63	Simla (Ridge)	
·501	·566	·580	·551	+·009	97	96	95	97	+ 5	8·5	8·8	8·7	+0·1	33	1			6	22				S 9° E	S 66° W	42	42	114* **	130	30·78	4·66	Chakrata.	
·472	·535	·542	·516		97	94	91	95		9·1	8·4	8·8		10	3	1	1	7	3		31	1	S 76° W		47		206*		15·79	1·61	Muktesar.	
·616	·672	·697	·662	−·020	91	77	76	82	0	6·7	7·5	7·1	0	12	6	3	18	1	1	3	17	1	N 11° E	N 66° W	8	2	14	18	13·68	1·89	Katmandu.	
·468	·544	·570	·527	+·016	99	93	94	96	0	8·7	8·3	8·5	−0·4	10	1	7	1	3		9	10	21	N 62° W	S 84° E	42	28	87*	89	35·48	4·71	Darjeeling.	
·583	·617	·633	·617	+·001	94	87	86	90	− 1	9·0	8·6	8·8	+0·4		1	7	3	3	9	34	4	1	S 33° W	S 57° W	55	75	295*	269	22·61	5·33	Mount Abu.	Hill Stations, C. India.
·608	·674§	·695	·665	−·0 3	92	85§	81	87	− 4	8·3§	7·5	7·9	−1·2	4	3	2	2	3		13	26	8	• W	N 84° W	56	73	169* §	223	15·47	3·46	Pachmarhi.	
·615	·675	·700	·669	+·018	96	89	83	90	− 5	7·1	7·2	7·2	−1·7	9	23	4				3	23		N 21° W	N 36° W	72	74	256*	274	27·56	9·01	Chikalda.	
·360	·427	·435	·407		91	84	90	88		8·0	8·5	8·3			12	2	1	5	5		13	22	N 48° W		48		306		12·44	1·27	Kodaikanal, ‡	Hill Stations, S. India.
·369	·412	·424	·397		93	80	86	86		8·6	9·3	9·0		8	1	5	4	2		11	24	7	N 89° W		45		118*		18·72	2·11	Ootacamund.	
	·383	·378				89	92			9·5	9·7	9·6		8	7	3	3	5	1	15	16	4	S 81° W		34		401		16·11	2·20	Dodabetta.	
P	·896	·789	P	P	P	67	55	P	P	3·3	2·0	2·7	+0·7 ††			4	2	23	12	21			S 9° E	S 3° E	66	70	P	257	0·02	0·01	Aden.	Extra India.
·848	·943	·966	·911	+·065	67	61	60	64	+ 2	0·9	1·3	1·1	−1·5 ††		17	1		1	3	2	3	35	N 37° W	N 88° W	74	41	335*	331	0·01	0·01	Perim.	
	·861	·867				81	80			6·7	6·7	6·7			4						24	34	N 60° W		90		254*		10·26	4·08	Minicoy.	
·605	·702	·611	·661	−·056	75	79	58	72	− 6	4·7	4·6	4·7	−0·2 ††		2	2	1	15	23	17	2		S 1° W	S 9° E	68	77	160*	166	0·54	0·36	Zanzibar.	
·671	·759	·755	·736	−·011	6	76	74	76	− 2	6·5	6·2	6·4	0	1	1	1	3	38	13	5			S 33° E	S 35° E	81	89	289	316	0·88	0·37	Port Victoria (Seychelles).	
			·502	−·00 6				74	− 1			6·3	+0·8										S 55° E	S 68° E			239	296	1·89	0·53	Mauritius (Pamplemouses)	

†† Departures from old normals.

† Wind observations less 1.

‡‡ Mean of three previous columns.

‡ Wind variable 2.

• Corrected.

G. I. G. P. O. No. 839 Meteor—28-2-07—385

Engraved at the Survey of India Office, Calcutta, December 1906.
LITHO. BY S. S. MUNDLE.

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

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

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

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

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

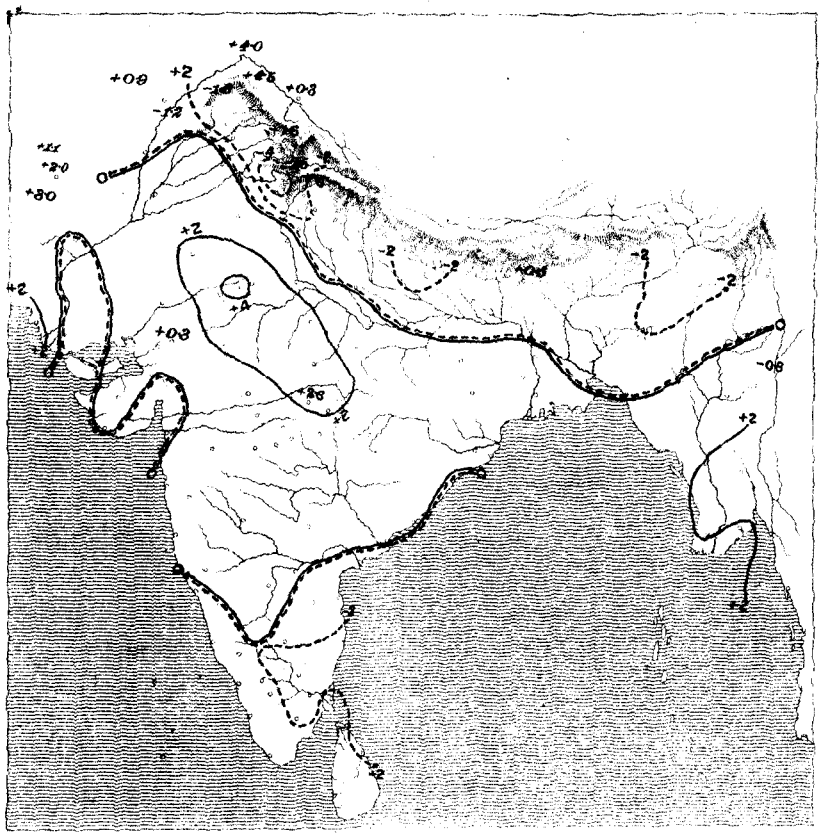
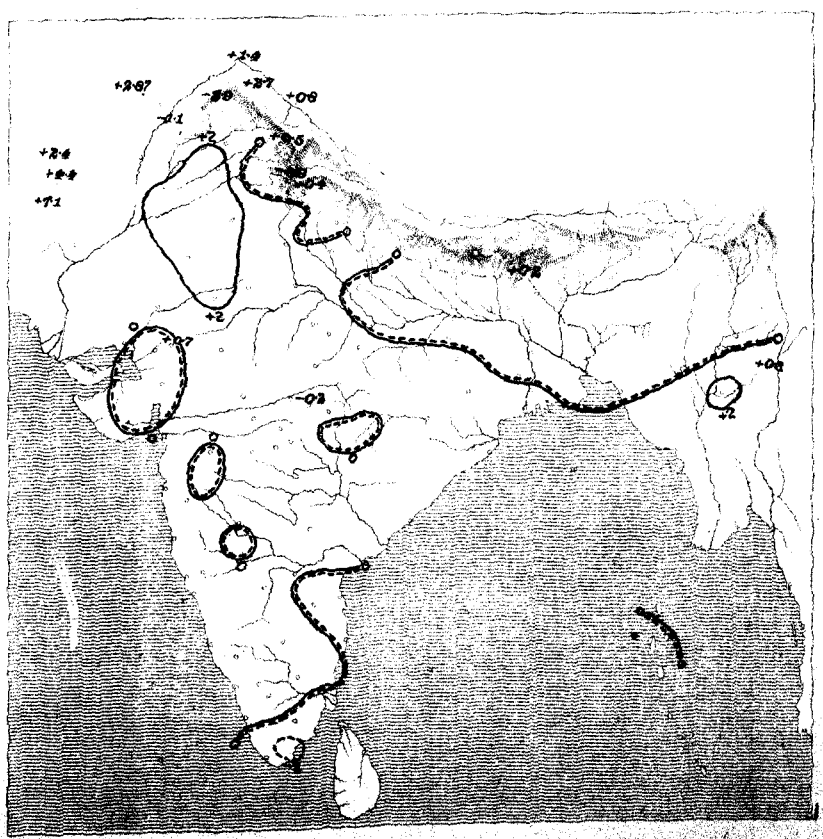


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MINIMUM TEMPERATURE.



LITHO. BY S.E. HANDLE.

PLATE IV.

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

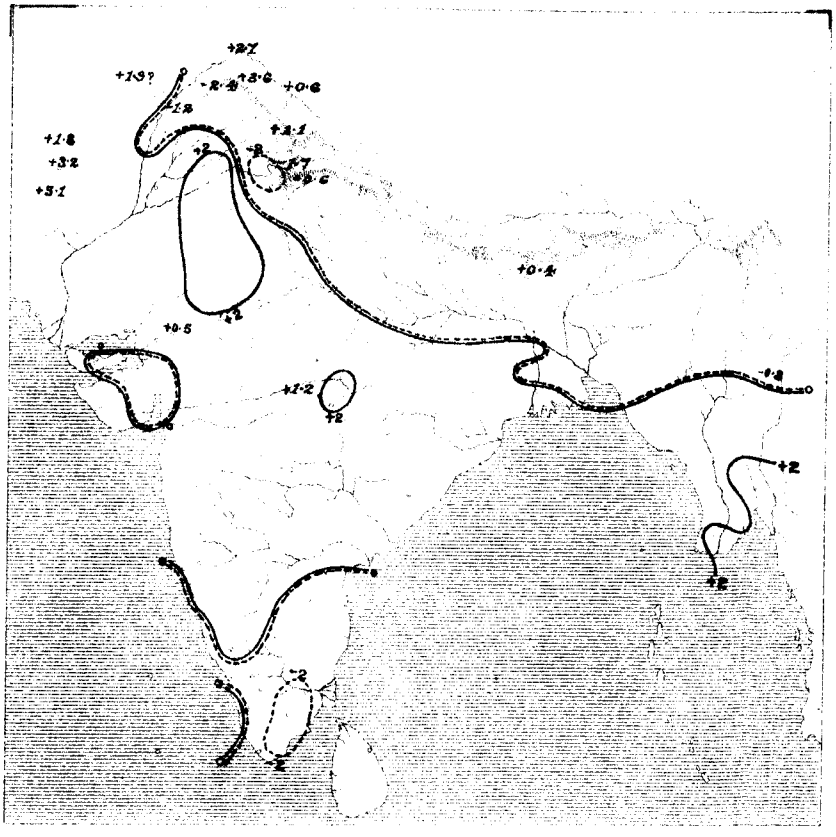
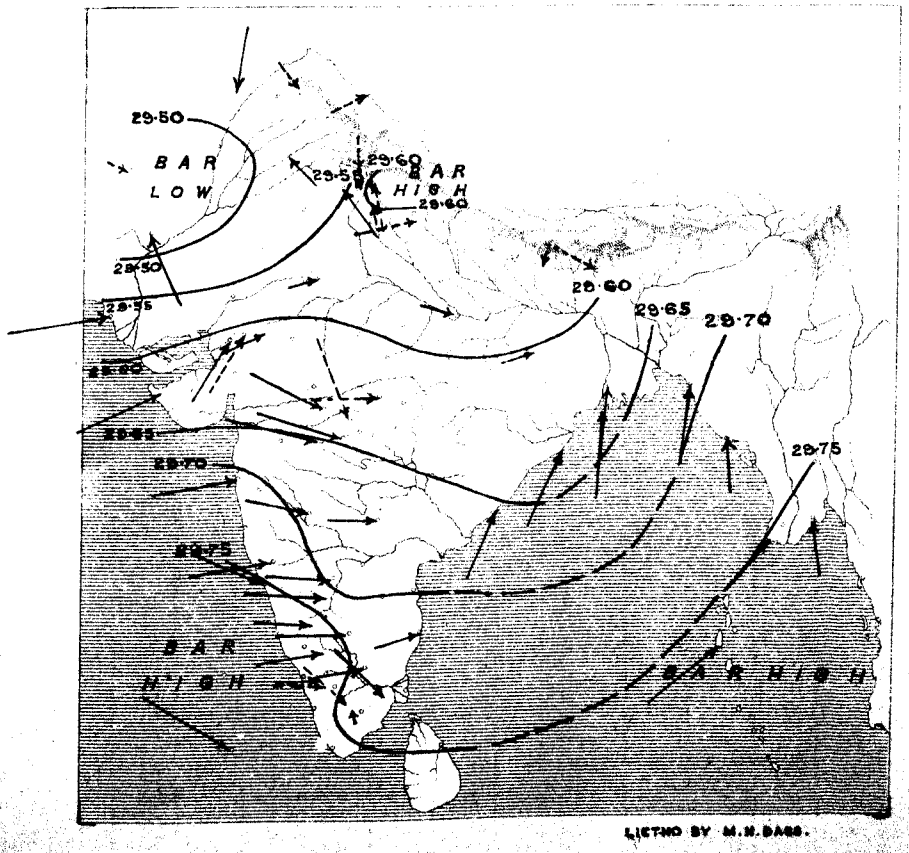


CHART SHEWING THE MONTHLY MEAN OF PRESSURE AND RESULTANT WIND DIRECTION.



LITHO BY M.N.DASS.

PLATE V.

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

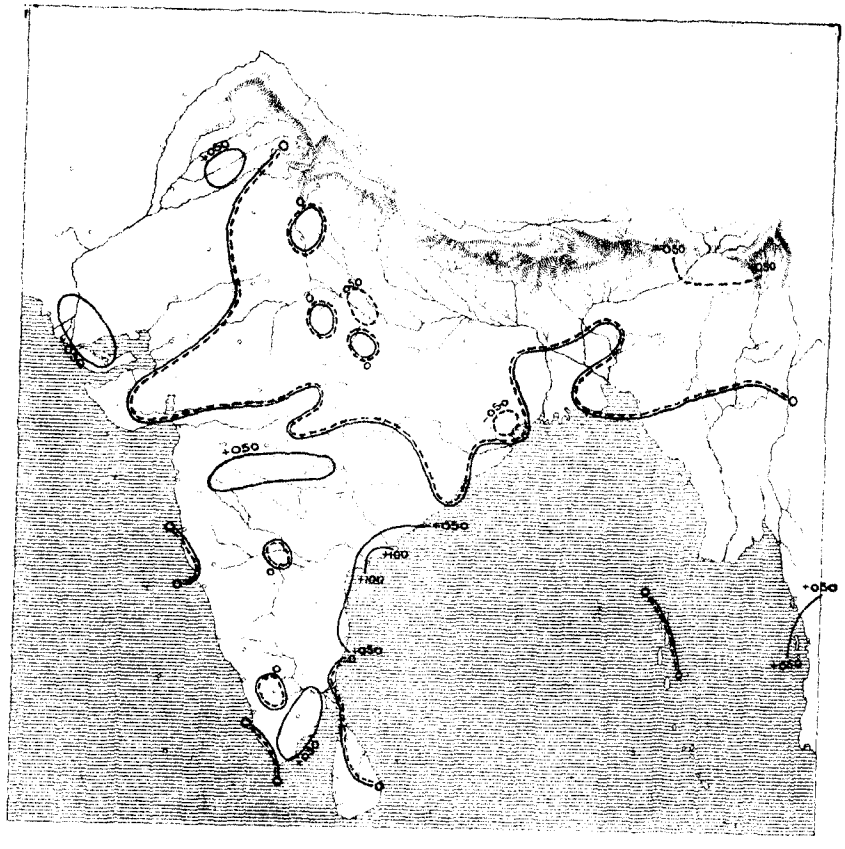


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF RELATIVE HUMIDITY AT 8 HRS.

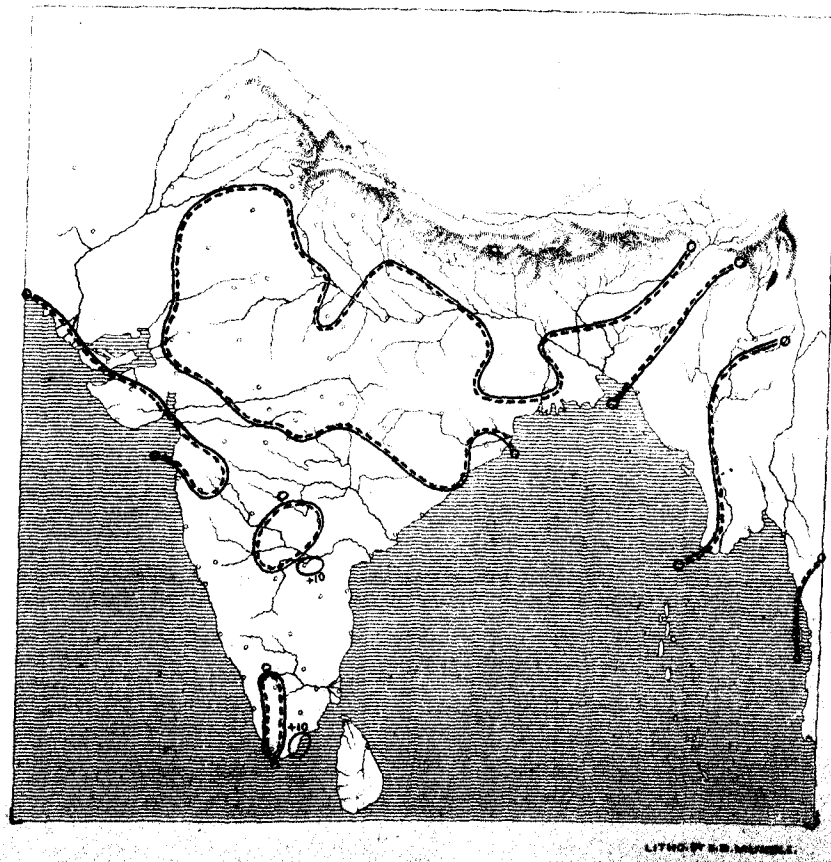
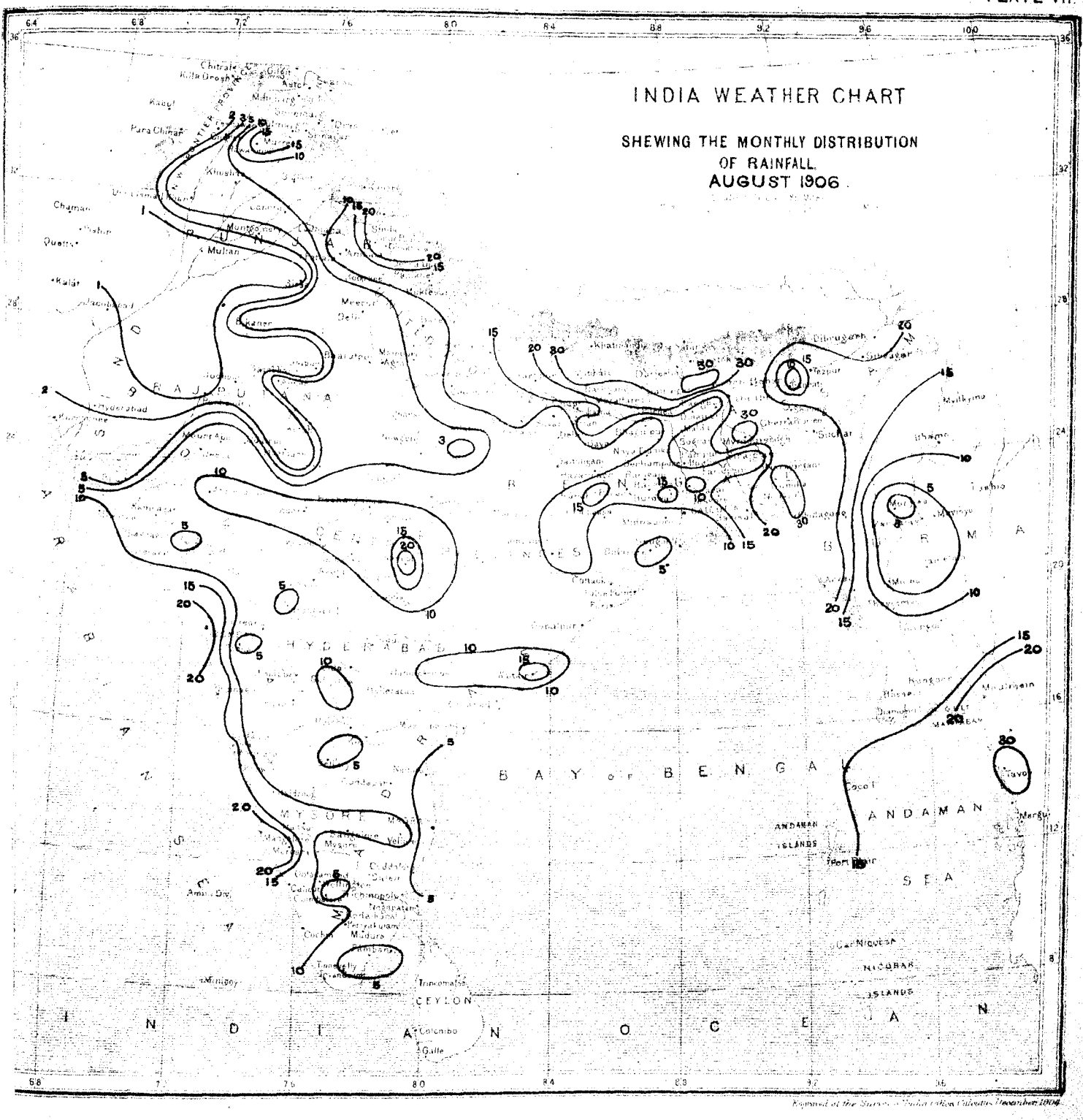


PLATE VI.

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

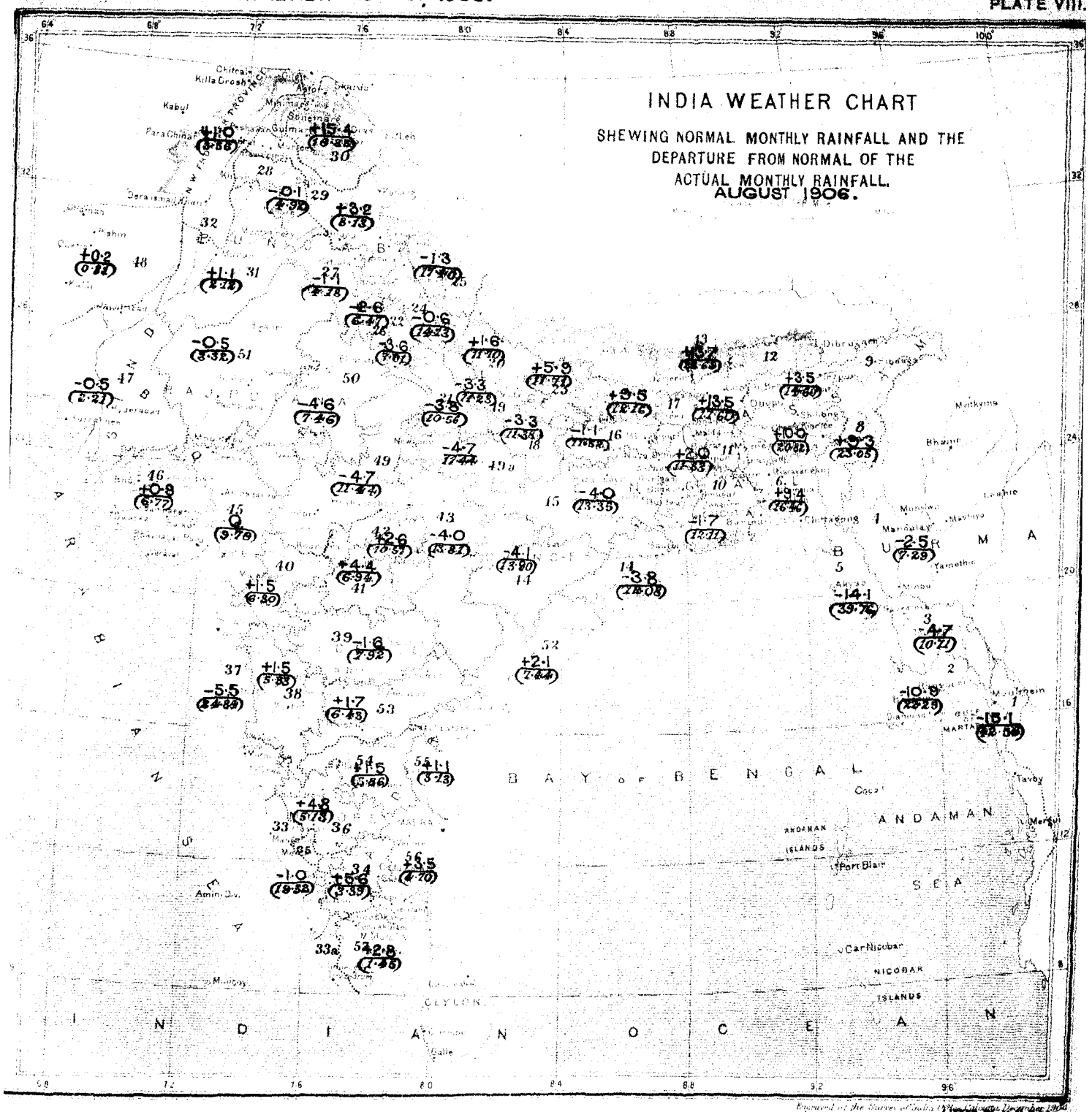
CHART SHEWING THE TOTAL NUMBER OF DAYS IN THE MONTH ON WHICH RAINFALL EQUALLED OR EXCEEDED [illegible]

LITHO. BY S. S. MUNDLE.



Engraved at the Survey of India Office, December 1906.

The chart shows the distribution of the rainfall of the month by means of isohyetic lines or lines of equal amounts of rain. The data used in the preparation of this chart are the rainfall returns of all the observatories in India except those at the hill stations over 3,500 feet in elevation (177 in number). The double line or line of no rainfall separates areas in which the rainfall exceeded a tenth of an inch from those where it was actually or practically *nil* (*i.e.* less than a tenth of an inch). The dotted line faces the area of no rainfall.



Reproduced at the Survey of India Office. Litho. M. G. S. 5488.

The country is divided into 57 areas, over each of which the meteorological conditions are fairly uniform, and the staple crops similar in character. The numbers in bracket on the chart give the average over the division of the normal monthly rainfall; the numbers above these give the departure from these normals of the average actual rainfall over the division. The name of the district can be ascertained by referring in the following list to the number given in each district in red figures.

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

GOVERNMENT OF INDIA.

METEOROLOGICAL DEPARTMENT.

MONTHLY WEATHER REVIEW.

PUBLISHED BY ORDER OF

THE GOVERNMENT OF INDIA.

CALCUTTA, SEPTEMBER, 1906.

INTRODUCTION.

THIS review of the weather in India during the month of September 1906, is based on observations taken daily at 8 h. at 232 stations, and on additional observations taken at 10 h. and 16 h. at 62 stations. In the rainfall summary the data furnished by the meteorological observatories, and such rainfall statements of the month as had been published by the Provincial Governments up to the date of the preparation of the review, have been uti The brief notes on solar, seismic and magnetic disturb have been supplied by the chief observatories.

For a statement of the methods adopted in reco and tabulating the data, for each of the element observation, reference should be made to the introdu portion of the review for January.

Summary of the chief features of the weather in India during the month of September, 19

2. Weather in the north-west and west-central parts of India was on the average of the month slightly cooler by day and the air damper than is usual in September; cloud was in excess in Rajputana and over a belt of country from Gujarat across the Central Provinces to Burma, and in defect in Bengal. In other parts of India conditions were approximately normal.

Mean monthly pressure was low, especially in Bengal.

Rainfall was light in Bengal, the Peninsula and Gujarat, but heavy in Burma and the area comprising the Pu Sind, Rajputana, and Central India.

Five depressions occurred, the first of which was alr filling up at the end of August. The second and t appeared between the 4th and the 15th and gave w spread rain over nearly the whole of India; and the ren ing two depressions together caused heavy rainfall betw the 25th and the 30th in central and north-east India in Burma.

Solar, seismic and magnetic disturbances.

KODAIKANAL OBSERVATORY.

3. *Solar observations.*—The weather during September was considerably better for observations than in the preceding two months and there were only two days on which no observations were possible, and six others on which prominences could not be observed.

Sunspots.—The number of new groups observed during the month was 28, as against 25 in July and 26 in August, and the daily average was 4·7. The highest number of groups on one day was 7, on the 1st and 7th, and there was no day with less than 3 groups. But while the total number of groups shows little or no falling off, the spots have decreased greatly in size and there was only one large group seen during the month. This was No. 944 which came round the east limb on the 11th. It was at fir single spot of regular outline, but two days later a num of small companions developed, and these increased bot size and in number during the next three or four days. the 17th, when close to the central meridian, the gr consisted of three moderate-sized spots with a numbe small spots between them forming a train which extend over 14° of longitude. After this the group decreased size, owing to the disappearance of some of the smal spots. The last spot of the group passed round the w limb on the 23rd. Group 924, referred to last month, having existed for more than 11 weeks, did not appear, but on the 20th a small dot lasting for only o day was seen near the place it had occupied. The dist bution of spots between the two hemispheres was ev

more unequal than during the last two months as there were only eight in the southern to 20 in the northern hemisphere.

Prominences.—Thirty-three prominences of one minute and upwards were recorded on the 22 days on which observations were possible. The tallest of these was 2 minutes high. It was photographed on the 6th at position angle 155°.

Magnetic disturbances.—Moderate magnetic disturbances were recorded on the 4th, 5th, and 22nd, and on all these dates there were spot groups not far distant from the central meridian.

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

BOMBAY OBSERVATORY.

Note on the Colaba and Alibag record.

4. *Magnetic record.*—During the month the traces showed seven calm days, 22 days of small and one day of moderate disturbances.

The days selected as quiet for the purposes of the magnetic survey of India are the 8th, 10th, 11th, 19th and 28th.

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

Declination	1° 2′ 46″ east.
Horizontal force	·36879 C. G. S. unit.
Dip	23° 9′·2.
Horizontal force range	·00039 C. G. S. unit.
Horizontal force summed range	·00258 C. G. S. unit.
Declination range	5″·37.
Declination summed range	20″·30.

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

Magnetic disturbances.

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

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

Seismic record.—Four seismic disturbances were recorded during the month; one on the 8th (7th by G. M. T.), two on the 14th, and one on the 20th.

Date, September.	G. M. T. of commencement.	G. M. T. of Max.	G. M. T. of End.	Max. amplitude in m.m.	Duration.
	H. M.	H. M.	H. M.		H. M.
7th at Greenwich / 8th at Colaba	19 10·8	19 37·1	20 36·0	2·1	1 25·2
14th	14 6·8	14 12·1	14 39·8	0·7	0 33·0
"	16 16·3	17 2·4	19 20·9	2·4	3 4·6
20th	18 46·9	18 54·9	19 7·9	0·7	0 21·0

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

CALCUTTA OBSERVATORY.

5. *List of displacements recorded by the seismograph at the Alipore Observatory during September 1906.*

Number.	Date	P. T. Commencement. G. M. T.	L. W. Commencement. G. M. T.	Maxima. G. M. T.	End. G. M. T.	Maximum amplitude in m.m	Duration.	Remarks.
		H. M.	H. M.	H. M.	H. M.		H. M.	
	2-9-06.	0 1·1		0 3·1	0 16·4	0·75	0 15·3	
	7-9-06.	19 2·1	19 11·3	19 25·5	22 15·3	6·00	3 13·2	
	14-9-06.	14 12·3		14 22·5	15 14·3	0·50	1 2·0	
	"	16 15·4	16 24·5	16 44·8	19 42·8	4·50	3 27·4	
	15-9-06.	10 45·9		10 46·4	10 50·9	0·50	0 5·0	
	17-9-06.	4 43·8		4 46·9	5 2·1	1·25	0 18·3	
		8 57·0			10 2·1		1 5·1	Thickening of line.
	28-9-06.	15 56·5		17 10·3	17 32·1	0·50	1 35·6	
	29-9-06.	5 8·7		5 8·7	5 9·2	(a)?	0 0·5	

(a) As the boom moved through the whole breadth of the trace the maximum amplitude cannot be ascertained.

C. W. PEAKE,
Meteorologist, Calcutta.

SIMLA OBSERVATORY.

6. *List of earthquakes recorded by the Omori-Ewing seismograph at the Simla Observatory.*

Date.	Commencement of P. T. G. M. T.	End of P. T. G. M. T.	Beginning of L. W. G.M.T.	Maxima G. M. T.	End approximately G. M. T.	Duration.	Maximum amplitude in m.m.	REMARKS.
	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.		
15th	...	...	16 21·0	16 21·2	16 23·3	...	0·25	Local.
19th	..	...	9 21·8	...	9 22·2	...	...	Tremor.

The observer at Dras reported that a slight shock occurred at oh. om. G. M. T. on the 15th. The earthquake which was felt in Calcutta on the forenoon of the 29th, was also distinctly felt at Burdwan but no damage was done; it was not recorded on the Simla seismograph.

J. PATTERSON,
Imperial Meteorologist, Simla.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

7. *Solar observations.*—Observations were taken on every day except the 29th, groups of sunspots being seen throughout. They were especially numerous between the 1st and 8th and faculæ were visible on each day of observation.

Magnetic disturbances.

Day.	Time.	Disturbance.
1 to 2	23½ h. . .	Wave in H. F. (+13) in Dec. (+2"3).
	1¼ h. . .	
3	1 to 4 h. .	Fluctuations in H. F. (+5).
3 to 4	20 h. . .	Occasional fluctuations in H. F. with double waves.
	6 h. . .	
3 to 4a	23 h. . .	(—13 to +12).
	1½ h. . .	
4	1¾ h. to 3¼ h.	(—11 to +18).
,,	0½ h. to 3½ h.	Two successive waves in Dec (—3·7 and —4"1)
,,	18¾ h. to 19½ h.	Wave in H. F. (—13).
,,	19 ¼ h. to 20 h.	Waves in Dec. (+1"8 and +1"5).
,,	21 h. to 21½ h.	
,,	21 h. to 22 h. .	Wave in H. F. (+25).
,,	23¼ h. to .	Wave in H. F. (+20).
5	0½ h. . .	
13 to 18	15 h. .	Loss of H. F. and Declination register.
	14 h. . .	
,,	21 h. . .	Sudden increase of H. F. (11) followed by gradual decrease (17) till 23 h.
22 to 23	16 h. . .	
	14 h. . .	
24 to 25	23 h. . .	Wave in H. F. (+28) steep at commencement
	0¼ h. . .	
,,	22½ h. to 23½ h	Wave in H. F. (+23).
30	21 h. to 22½ h.	Wave in H. F. (—15).

The measurements of horizontal force (H. F.) are given in C. G. S. measure unit=·0000"1

T. F. CLAXTON,
Director.

Weather in the Indian monsoon region.

8. Pressure at Mauritius was higher than during August, and at none of the three stations in the table below was there any marked departure from normal barometric conditions.

Winds were rather weaker than usual; at Zanzibar a strong and unusual westerly component was shown in wind direction.

Rainfall was in considerable defect in the equatorial regions, but slightly above normal further south at Mauritius.

September, 1906.	Mauritius.	Zanzibar.	Seychelles.
Departure from normal of mean pressure.	" —·004	" +·012	" +·017
Actual mean wind direction .	S 60° E	S 85° W	S 45° E
Normal mean wind direction .	S 72° E	S 6° E	S 40°E
Actual mean wind velocity (miles per diem).	251	122	253
Normal mean wind velocity (miles per diem).	288	134	288
Rainfall departure . . .	+0·38	—0·66	—4·39

Depressions and cyclonic storms.

9. Five depressions occurred during September over the land area, but no cyclonic storms were experienced at sea within the Indian regions.

The earliest depression which affected the weather of the month was already disappearing rapidly on the last day of August, and was barely visible in Rajputana on the

1st of September; it had during the preceding 24 hours caused heavy rain at Mount Abu and Lahore.

The second formed off the east coast of the Peninsula in a large area of uniform low pressure and lay over the Bay on the 3rd of the month as a prolongation of the barometric trough of northern India. Slight development occurred *in situ* on the 4th and by the 5th the centre, which was very shallow, was crossing the middle of the east coast. Its subsequent course appears to have been very little west of north, and the depression had practically disappeared by the 7th without having moved definitely out of Orissa and Chota Nagpur. A large increase of rainfall over the greater part of India occurred during the period of its activity.

The third depression arose as the development of a low pressure area which covered on the 9th the greater part of north-east India, and was at that time strongest in northern Burma. This had deepened by the 10th and by the morning of the 12th a definite depression centre with a barometric depth of one-fifth of an inch had crossed the Orissa coast on its westward journey. During that day it developed further, and on the 13th was passing into the United Provinces after having travelled a distance of 350 miles since the previous morning. This rate of travel was maintained, and on the 15th it had reached the northern Punjab, but in a greatly reduced form and it disappeared in the course of that day. A good deal of heavy rainfall was induced in northern India by its action, especially on the 14th and 15th in Central India, the United Provinces and the Punjab.

The fourth depression which was of a somewhat diffuse and shallow nature passed into Orissa near Puri on the 25th, travelled west-north-westwards to the neighbourhood of Jubbulpore during the next two days, and had disappeared by the 29th, after having given considerable rainfall in Orissa, Chota Nagpur, the eastern districts of the United Provinces and of Central India, and in the Central Provinces.

The fifth and final depression of the month was first noticeable in northern Burma on the 26th, when it had a barometric depth of a quarter of an inch. During the day it passed into deltaic Bengal in a reduced form and thereafter until the end of the month the trough of low pressure remained deepest in that region. Widespread rainfall resulted in Burma and in Eastern Bengal and Assam, some exceedingly heavy amounts being received in that province during the last three days of the month.

Pressure.

10. Mean barometric pressure was low by ·02″ on the average of the whole Indian area and varied from nearly normal values in the Peninsula to conditions of considerable defect in Eastern Bengal and Assam, and parts of upper Burma. At hill stations of northern and central India the barometer was low also and, except at Leh and Darjeeling, to approximately as great an extent as in the plains below.

The depression which began to affect Burma on the 9th and thence travelled westwards until the 15th, and the two depressions which developed during the last seven days of the month were largely conducive to the mean deficiency of pressure in northern India.

Following are tables of barometric data for the month :—

HILL STATION.	Departure from normal pressure.	PLAIN STATION.	Departure from normal pressure.	Departure of pressure difference.
	″		″	″
Quetta	—·023	Jacobabad	—·012	+·011
Leh	+·010	Lahore	—·021	—·031
Simla	—·024	Ludhiana	—·030	—·006
Murree	—·021	Peshawar	—·031	—·010
Chakrata	—·010	Roorkee	—·019	—·009
Darjeeling	—·018	Dhubri	—·064	—·046

HILL STATION.	Departure from normal pressure.	PLAIN STATION.	Departure from normal pressure.	Departure of pressure difference.
	″		″	″
Mount Abu	—·020	Deesa	—·021	—·001
Pachmarhi	—·030	Khandwa	—·016	+·014
Lashio	—·051	Bhamo	—·027	+·024

METEOROLOGICAL PROVINCE.	Departure from normal of mean 8 h. pressure.
	″
Burma Coast and Bay Islands	—·028
Burma Inland	—·041
Assam	—·047
Bengal and Orissa	—·039
Gangetic Plain and Chota Nagpur	—·031
Upper Sub-Himalayas	—·023
Indus Valley and North-West Rajputana	—·020
East Rajputana, Central India and Gujarat	—·019
Deccan	—·014
West Coast	+·001
South India	—·006

Temperature.

11. A reference to charts on Plates III and IV will shew that in respect of mean temperature no marked deviations from normal conditions occurred during the month and that the monthly average of minimum temperature in all parts of India and Burma lay within about 2° of usual values. Temperatures during the day time were not quite so nearly coincident with normal conditions, for there were areas in the Central Provinces, Central India and the Punjab where the weather was on the average between 4° and 6° cooler than usual.

Hill stations of north-west India appear to have been relatively warmer than the neighbouring plains both by day and by night, but this condition was not noticeable at Darjeeling, and was reversed at the far eastern hill station of Lashio in Burma.

A spell of cool weather occurred in the Punjab from the 14th to the 16th during the rainfall which was induced in that region by the third depression of the month, and temperature was as much as 17° below normal at Montgomery on the 15th.

The following tables shew the monthly data:—

Province.	Division.	Actual Temperature.					Departure from normal of month of		
		Mean maximum.	Mean minimum.	Monthly mean of mean between maximum and minimum.	Mean daily range of temperature.	Absolute range during month.	Maximum.	Minimum.	Daily ran
		°	°	°	°	°	°	°	°
Burma	Tenasserim	84·5	75·8	80·2	8·7	15·3	−0·1	+1·3	−1·4
	Lower Burma (Deltaic)	85·2	76·9	81·1	8·4	14·6	−0·1	+1·0	−1·1
	Central do.	90·5	76·5	83·5	14·0	21·0	+1·0	+0·7	+0·3
	Upper do.	91·1	76·7	83·9	14·4	24·0	+0·5	+0·7	−0·2
	Arakan	85·6	77·8	81·7	7·8	15·7	−1·0	−0·2	−0·8
Bengal and Assam	Eastern Bengal	88·3	78·2	83·3	10·0	18·9	+0·8	+0·5	+0·3
	Assam (Surma)	92·1	77·1	84·6	15·0	24·8	+2·3	+0·7	+1·6
	Do. (Hills)	75·1	63·8	69·5	11·3	23·3	...	...	...
	Do. (Brahmaputra)	89·2	77·4	83·4	11·8	21·3	+1·9	+1·4	+0·5
	Deltaic Bengal	89·1	79·2	84·2	9·9	17·6	+0·2	+0·5	−0·3
	Central do.	90·2	78·9	84·6	11·4	19·4	+1·4	+0·9	+0·5
	North do.	91·1	78·4	84·8	12·7	21·7	+3·4	+1·7	+1·7
	Bengal Hills	65·2	50·5	57·9	14·7	23·4	+3·3	+1·3	+2·0
	Orissa	89·5	78·7	84·1	10·8	17·6	+0·7	+0·8	−0·1
	Chota Nagpur	88·2	75·0	81·7	13·2	19·0	+0·4	+0·8	−0·4
	Bihar (South)	91·3	78·6	85·0	12·8	20·7	+0·8	+0·5	+0·3
	Do. (North)	91·3	78·9	45·2	12·9	18·8	+2·5	+1·2	+1·3
United Provinces of Agra and Oudh.	United Provinces (East)	91·3	76·9	84·1	14·4	22·8	0	−0·3	+0·3
	Oudh (South)	91·7	76·6	84·2	15·1	24·9	−0·4	+0·1	−0·5
	Do. (North)	92·5	77·6	85·1	14·9	22·8	+1·5	+1·4	+0·1
	United Provinces (Central)	89·9	76·2	83·1	13·7	23·9	−2·5	+0·1	−2·6
	Do. (West)	89·9	76·0	83·0	14·0	26·2	−2·6	+0·3	−2·9
	Do. (East Submontane).	91·8	77·7	84·8	14·1	21·1	+1·3	0	+1·3
	Do. (West Submontane).	86·2	72·2	79·2	14·0	25·1	−1·6	+0·6	−2·2
	Do. (Hills)	68·1	57·6	62·9	10·5	19·7	−0·2	+1·3	−1·5
Punjab	Punjab (South-East)	90·3	76·	83·5	13·7	26·6	−2·7	−0·4	−2·3
	Do. (South)	92·2	75·2	83·8	17·1	28·8	−3·8	+0·7	−4·5
	Do. (Central)	92·4	75·0	83·7	17·4	30·2	−6·5	+2·4	−8·9
	Do. (Submontane)	90·2	73·1	81·7	17·1	28·7	−4·3	+0·3	−4·6
	Do. (Hills)	72·8	52·0	62·4	20·8	39·0	−0·8	+0·7	−1·5
	Do. (West)	98·4	76·9	87·7	21·5	37·4	−2·2	+0·4	−2·6
N.-W. F. Province	North-West Frontier Province	95·2	74·3	84·8	20·9	34·5	−3·1	+1·8	−4·9
Bombay and Malabar Coast Districts (Madras).	Malabar	83·7	74·4	79·1	9·3	15·0	−0·1	−0·2	+0·1
	Madras (South Central)	88·8	71·7	80·3	17·2	27·0	−1·7	+0·4	−2·1
	Coorg	69·9	61·3	65·6	8·6	16·1	−2·3	−0·6	−1·7
	Mysore	80·6	65·1	72·9	15·5	25·8	−1·8	−0·7	−1·1
	Konkan	83·4	75·7	79·6	7·8	12·1	−0·1	+0·6	−0·7
	Bombay Deccan	83·5	68·1	75·8	15·5	23·6	−0·9	−0·4	−0·5
	Hyderabad (North)	84·9	70·6	77·8	14·3	22·2	...	...	...
	Khandesh	86·5	68·5	77·5	18·0	26·6	−0·1	−0·7	+0·6

Province.	Division.	Actual Temperature.					Departure from normal of month of		
		Mean maximum.	Mean minimum.	Monthly mean of mean between maximum and minimum.	Mean daily range of temperature.	Absolute range during month	Maximum.	Minimum.	Daily range.
		°	°	°	°	°	°	°	°
Central Provinces and Berar.	Berar	86·2	72·0	79·1	14·2	23·3	−2·6	−0·4	−2·2
	Central Provinces (West)	84·9	72·8	78·9	12·0	23·4	−3·6	−0·6	−3·0
	Do. (Central)	84·9	72·5	78·7	12·4	21·1	−2·3	+0·2	−2·5
	Do. (East)	86·0	74·3	80·2	11·7	18·5	−1·5	−0·2	−1·3
Bombay (North)	Gujarat	88·6	75·1	81·9	13·4	23·3	−2·6	−0·1	−2·5
	Kathiawar and Cutch	87·7	75·3	81·5	12·4	19·4	−1·7	+0·1	−1·8
	Sind	96·9	78·5	87·7	18·4	26·5	+0·3	+2·2	−1·9
	Baluchistan Hills	87·0	52·0	69·8	35·6	52·6	0	+1·4	−1·4
Rajputana and Central India.	Central India (East)	85·2	72·8	79·0	12·4	23·4	−2·8	+0·1	−2·9
	Rajputana (East), Central India (West)	89·5	74·8	82·1	14·7	25·3	−1·9	+1·0	−2·9
	Do. (West)	93·9	76·7	85·2	17·2	29·2	−3·1	−0·1	−3·0
Madras	East Coast (North)	90·1	78·8	84·4	11·3	19·1	+1·3	+0·9	+0·4
	Hyderabad (South)	87·6	72·5	80·1	15·1	22·0	+0·2	+0·3	−0·1
	Madras (Central)	90·4	73·6	82·0	16·8	27·0	−0·4	−0·3	−0·1
	East Coast (Central)	92·9	78·7	85·8	14·1	22·1	+0·2	+1·2	−1·0
	Do. (South)	93·9	76·6	85·3	17·2	28·3	+0·7	+1·1	−0·4
	Madras (South)	93·9	75·9	84·4	17·4	25·0	−0·3	+0·4	−0·7

Meteorological Province.	Departure from normal of		
	Mean maximum temperature.	Mean minimum temperature.	Mean temperature.
	°	°	
Burma Coast and Bay Islands	0	+1·0	+0·5
Burma Inland	−0·2	+0·6	+0·2
Assam	+2·0	+1·1	+1·6
Bengal and Orissa	+1·2	+0·8	+1·0
Gangetic Plain and Chota Nagpur	+0·4	+0·4	+0·4
Upper Sub-Himalayas	−3·6	+0·5	−1·6

Meteorological Province.	Departure from normal of		
	Mean maximum temperature.	Mean minimum temperature.	Mean temperature
	°	°	°
Indus Valley and North-West Rajputana.	−1·8	+1·1	−0·2
East Rajputana, Central India and Gujarat.	−2·4	+0·2	−1·1
Deccan	−1·5	−0·2	−0·9
West Coast	−0·1	+0·3	+0·1
South India	−0·3	+0·3	0

Winds.

12. Winds were abnormally westerly in the Andamans and on the coast from Diamond Island to Chittagong, and thus shewed a greater tendency than usual to enter Burma. In deltaic Bengal, on the other hand, the westerly element in the mean wind direction was entirely absent, the flow of moist air across the Sandheads being directed chiefly north-westwards up the Gangetic Plain.

Over the rest of the country the deviations from the normal type were neither large nor important.

In velocity, winds tended to be strong at the Andamans and on the Arakan coast, and were correspondingly weakened on the north of the east coast and round the head of the Bay of Bengal.

Humidity and cloud.

13. The features of the hygrometric conditions were roughly in accord with the character of the rainfall distribution of the month. Thus, the 8 h. values of humidity were more or less above normal in Burma and most of northern India, and over the greater part of that area rainfall was heavier than usual; while humidity was on the whole below the normal in the Peninsula where rainfall was low. The excess was most marked in north-west India, the seat of the greatest departure from normal of the month's rainfall

Skies were less clouded than usual in the early morning in the Peninsula, Sind, the east of the United Provinces, north-east India, and a part of Burma, but over a band of country from Gujarat across the head of the Peninsula into Burma cloud amount was much above the normal, and this condition was noticeable also in Rajputana and the Punjab.

The following table is based on the results of 10 h. and 16 h. observations at the 62 stations which recorded at those hours: it will be noticed that there is this month a considerable difference between the humidity figures given therein and the details given on the humidity charts. The latter represent the conditions at 8 h. and are plotted from the observations of 232 stations.

Meteorological Province.	Mean Absolute Humidity.		Mean Relative Humidity.		Mean Cloud Amount.	
	Average actual.	Departure from normal.	Average actual.	Departure from normal.	Average actual	Departure from normal.
Burma Coast and Bay Islands.	·903	+ ·003	87	−3	8·1	+0·4
Bengal and Orissa	·905	+ ·014	88	+2	7·9	+0·4
Gangetic Plain and Chota Nagpur.	·837	+ ·014	83	−1	6·5	−0·5
Upper Sub-Himalayas	·813	+ ·009	81	+9	3·7	+0·4
Indus Valley and North West Rajputana.	·809	+ ·081	79	+5	2·2	+0·2
East Rajputana, Central India and Gujarat.	·803	+ ·089	78	+9	6·1	+1·4
Deccan	·732	+ ·007	81	+2	7·2	+0·2
West Coast	·853	+ ·005	87	0	5·5	−0·
South India	·768	+ ·004	78	+2	7·2	

Rainfall.

The month's rainfall was in very large excess in the Punjab, Rajputana and Central India and was abundant in Sind; in the Peninsula, Gujarat and Bengal it was largely below normal.

In Burma rain fell throughout the month without any marked interval of dry weather.

In northern India rainfall was abundant during the first half of the month when it was largely associated with the two depressions which occurred between the 4th and the 15th. From the 16th till the 24th weather was dry, but from the 25th to the 30th the last two depressions of the month caused heavy rainfall from Bengal westwards to the United and Central Provinces.

In the Peninsula rainfall was widespread from the 4th to the 6th during the continuance of the depression which passed on the 5th from the Bay across the east coast but thereafter until the 14th it was almost confined to the west coast. Rainfall then ceased for some days, except in the south, but recommencing on the 20th continued until the 27th. The last three days of the month were dry throughout the Peninsula.

The usual rainfall tables follow:—

Province.	Rainfall Division.	Number of Rainy Days.		Rainfall.			
		Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure.
				Inches.	Inches.	Inches.	
Burma	Tenasserim	22·9	22·8	31·72	30·67	+1·05	+ 3
	Lower Burma (Deltaic)	22·3	19·7	17·57	15·77	+1·80	+11
	Central do.	16·7	13·9	12·12	8·53	+3·59	+42
	Upper do.	10·8	10·0	8·38	7·50	+0·88	+12
	Arakan	19·3	18·6	25·88	18·93	+6·95	+37
Bengal and Assam	Eastern Bengal	15·3	13·1	17·61	11·40	+6·21	+54
	Assam (Surma)	14·1	15·5	12·11	15·72	−3·61	−23
	Do. (Hills)	18·5	17·0	19·47	18·09	+1·38	+ 8
	Do. (Brahmaputra)	11·1	12·9	7·26	11·24	−3·98	−35
	Deltaic Bengal	13·1	11·7	9·41	9·24	+0·17	+ 2
	Central do.	10·9	11·5	7·67	10·11	−2·44	−24
	North do.	9·8	13·5	8·95	17·64	−8·69	−49
	Bengal Hills	14·4	16·6	7·86	16·59	−8·73	−53
	Orissa	12·7	12·0	10·41	9·88	+0·53	+ 5
	Chota Nagpur	10·9	10·4	7·49	8·25	−0·76	− 9
	Bihar (South)	7·8	8·7	5·67	7·61	−1·94	−25
	Do. (North)	6·7	9·3	3·57	10·31	−6·74	−65
United Provinces of Agra and Oudh.	United Provinces (East)	6·9	8·0	4·90	6·81	−1·91	− 28
	Oudh (South)	8·3	7·3	5·91	6·47	−0·56	− 9
	Do. (North)	6·0	7·2	3·79	7·54	−3·75	− 50
	United Provinces (Central)	10·8	6·6	11·41	5·53	+5·88	+106
	Do. (West).	8·5	4·7	9·59	4·33	+5·26	+121
	Do. (East Submontane)	5·1	7·7	2·89	8·07	−5·18	− 64
	Do. (West Submontane).	9·6	6·3	9·24	6·91	+2·33	+ 34
	Do. (Hills)	11·4	8·5	9·02	7·79	+1·23	+ 16

Province.	Division.	Number of rainy days.		Rainfall.			
		Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure.
				Inches.	Inches.	Inches.	
Punjab	Punjab (South-East)	7·3	3·7	9·08	3·88	+5·20	+134
	Do. (South)	5·6	2·9	4·65	2·40	+2·25	+ 94
	Do. (Central)	4·5	2·3	6·07	1·92	+4·15	+216
	Do. (Submontane)	7·7	3·6	8·93	3·48	+5·45	+157
	Do. (Hills)	10·5	6·6	10·69	6·09	+4·60	+ 76
	Do. (West)	1·8	1·1	1·53	0·79	+0·74	+ 94
North-West Frontier Province.	North-West Frontier Province	3·1	2·2	2·21	1·36	+0·85	+ 63
Bombay and Malabar Coast Districts (Madras).	Malabar	13·1	15·2	7·37	10·91	—3·54	— 32
	Travancore	7·0	...	3·15	...	...	...
	Madras (South Central)	4·7	7·0	2·47	5·08	—2·61	— 51
	Coorg	13·4	...	5·85	...	...	...
	Mysore	8·0	7·4	4·25	4·83	—0·58	— 12
	Konkan	16·3	16·0	8·76	13·50	—4·74	— 35
	Bombay Deccan	7·4	8·6	4·33	5·89	—1·56	— 26
	Hyderabad (North)	5·6	10·5	4·06	8·24	—4·18	— 51
	Khandesh	6·1	8·9	3·17	6·59	—3·42	— 52
Central Provinces and Berar	Berar	6·0	8·0	3·05	5·93	—2·88	— 49
	Central Provinces (West)	10·5	9·8	6·21	8·67	—2·46	— 28
	Do. do. (Central)	12·3	10·0	11·28	8·17	+3·11	+ 38
	Do. do. (East)	12·5	9·9	9·71	7·78	+1·93	+ 25
Bombay (North).	Gujarat	8·4	7·4	4·20	6·61	—2·41	— 36
	Kathiawar and Cutch	5·8	5·0	3·80	4·41	—0·61	— 14
	Sind	1·4	0·7	0·65	0·47	+0·18	+ 38
	Baluchistan Hills	0·5	0·3	0·30	0·13	+0·17	+131
Rajputana and Central India.	Central India (East)	11·8	7·8	15·25	6·32	+8·93	+141
	Rajputana (East), Central India (West).	8·7	4·9	7·63	4·01	+3·62	+ 90
	Rajputana (West)	4·3	2·3	3·51	2·08	+1·43	+ 69
Madras	East Coast (North)	7·8	9·9	5·68	7·32	—1·64	— 22
	Hyderabad (South)	7·2	10·3	4·90	6·80	—1·90	— 28
	Madras (Central)	8·3	7·6	5·51	5·34	+0·17	+ 3
	East Coast (Central)	5·1	6·6	2·58	4·20	—1·62	— 39
	East Coast (South)	5·0	7·4	3·07	5·85	—2·78	— 48
	Madras (South)	2·3	3·5	1·49	2·16	—0·67	— 31

Province.	Rainfall.			
	Mean actual.	Normal.	Departure from normal.	Percentage Departure from normal.
	Inches.	Inches.	Inches.	
Burma	19·13	16·28	+2·85	+18
Eastern Bengal and Assam	11·18	12·64	—0·46	—4
Bengal	6·97	9·27	—2·30	—25
United Provinces of Agra and Oudh	6·82	6·52	+0·30	+5
Punjab	5·41	2·31	+3·10	+134
Rajputana	5·57	3·05	+2·52	+83
Central India	15·25	6·32	+8·93	+141

Province.	Rainfall.			
	Mean actual.	Normal.	Departure from normal.	Percentage departure from normal
	Inches.	Inches.	Inches.	
Sind	0·65	0·47	+0·18	+38
Gujarat	4·00	5·51	—1·51	—27
Konkan	8·76	13·50	—4·74	—35
Bombay Deccan and Karnatak	3·75	6·24	—2·49	—40
Central Provinces	7·56	7·64	—0·08	—1
Hyderabad	4·48	7·52	—3·04	—40
Mysore	4·25	4·83	—0·58	—12
Madras	4·02	5·84	—1·82	—31

Snowfall.

I.—KASHMIR.

15. Heavy snow fell on the middle and higher ranges about the middle of the month: the total fall was estimated at about four feet at Dras. The Kardong pass to the north of Leh was found very difficult to cross, while on the Tagalung pass, south-south-east of Leh, three feet of snow were measured. At the close of the month the snowline on the hills surrounding Leh was at an elevation of about 13,000 feet.

II.—PUNJAB.

(*a*) *Kailang* (*Kangra District*). At Kailang there was a fall of about four inches on the 14th.

(*b*) *Simla Hills.* Snow storms occurred on three days on the hills near Kilba, down to about 11,000 feet. The snow at the end of the month on the various passes was between $\frac{1}{2}$″ and 3″ in depth.

III.—UNITED PROVINCES.

Almora. There were frequent falls of snow on the Nuwe and Binkaru passes and occasional falls on the other passes and high peaks. The total fall was reported to measure as much as $35\frac{3}{4}$ feet on the Nuwe pass and 10 feet on the Binkaru pass.

The statement below gives the depth of accumulation on the various peaks and passes with the corresponding data for last year.

NAME OF PEAK OR PASS.	REPORTED DEPTH OF SNOW ACCUMULATION AT END OF SEPTEMBER.	
	1905.	1906.
Untadhura	15 feet.	18 feet.
Ralamdhura	12 ,,	15 ,,
Milamdhura	9 ,,	$13\frac{1}{2}$,,
Nuwe pass	21 ,,	29 ,,
Binkaru pass	10 ,,	15 ,,
Lipu Lekh pass		3 ,,
Lampia pass		3 ,,

16. *Summary of the preceding information.*

(*a*) The snowfall in Kashmir about the middle of the month was heavier than usual, and marked the termination of the rains in upper India.

(*b*) There were a few falls in the Simla hills but they were without exception light. The accumulation on the various passes near Kilba was very slight.

(*c*) Weather was more disturbed than usual in the Almora hills and the accumulation there was considerably greater than at the corresponding period of last year.

Crop report.

17. *Burma.*—Transplanting of wet weather paddy and reaping of early sesamum were in progress and the plucking of cotton and sowing of tobacco were begun. The standing crops at the beginning of the month were suffering from want of rain in some districts, but they improved during the month and their condition at its close was on the whole satisfactory.

Eastern Bengal and Assam.—The prospects of tea were fair to good, and harvesting of early rice was nearly finished with a generally fair outturn. Cutting of jute and transplantation of late rice were in progress and the prospects of standing crops were generally fair.

Bengal.—The prospects of *aman* paddy and other crops were on the whole fair but more rain was wanted in many districts for winter paddy, and fodder was insufficient in parts of the province. Much distress, however, was reported from Darbhanga and Saran.

United Provinces.—More rain was wanted for rice, especially in the south-eastern districts, but the standing crops were on the whole flourishing and prospects were good. The harvesting of the earlier autumn crops and preparation for the spring harvest continued. The sowing of peas, grain, potatoes and linseed had been begun.

Punjab.—Indigo was being harvested in Multan, and the harvesting of certain autumn crops had commenced in several districts: ploughing and sowing for the next spring harvest were in progress. The condition of the standing crops was promising and the yield was expected to be good all round.

North-West Frontier Province.—The condition of the standing crops was satisfactory except in Swabi where it was below average; harvest prospects and probable outturn of autumn crops were fair. Spring sowing had been begun.

Jummu and Kashmir.—The condition of standing crops was good and rice was being reaped. Ploughing for spring crops was in progress.

Rajputana.—Prospects had improved and the standing crops were doing well. The autumn harvest was assured, and the early crops were being reaped. Cattle were in fair condition and pasturage was sufficient.

Central India.—Ploughing and sowing for spring crops were in progress and the harvesting of autumn crops had commenced. The condition of the standing crops and the probable outturn were fair to good.

Central Provinces.—Germination had been successful, the standing crops were in good condition and prospects were generally favourable throughout the Provinces. Rice and millets were being reaped and land was being prepared for spring sowings.

Bombay.—The sowing of spring crops continued and the harvesting of autumn crops had begun. Standing crops were in good condition except in parts where they had been damaged by floods, heavy rain and insects.

Hyderabad.—The condition of the autumn and early rice crops was fair to good and the prospects of the season were favourable. Land was being prepared for spring sowings.

Mysore.—The standing crops were in good condition and prospects were fair to good, but more rain was wanted in parts of Tumkur and Kadur.

Madras.—There were no harvests in Kurnool and Bellary, but harvesting continued elsewhere with varying outturn: the condition of standing crops was generally fair. Ploughing, weeding, sowing and transplanting were in progress in parts. Cattle were generally in good condition.

J. H. FIELD.

I—*continued.*

in India, Burma, etc., in September, 1906—continued.

Wind Direction.										Wind Velocity.				Hygrometry, 8 h.				Cloud.		Rainfall.								Heaviest rainfall during month.	Station.
Number of winds from									Resultant direction.	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 h.	Departure from normal.	Mean vapour tension at 8 h.	Departure from normal.	Mean cloud amount at 8 h.	Departure from normal.	Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 30th September, 1906.	Normal rainfall for period, 1st May to 30th September.	Departure from normal of period, 1st May to 30th September, 1906.		
Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.																					
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
4	3			2	5	4	10	2	S 69° W	5·7	9·2	−38	5·4	86	+ 3	·877	+·016	6·6	+0·9	8	7·00	+ 1·00	2·96	7·01	− 4·05	29·57	41·7	−12·16	1·49	Surat.
	2			1	14	5	8		S 81° W	5·9			5·1	83	+ 5	·816	+·002	7·2	+1·4	8	5·80	+ 2·20	3·35	4·77	− 1·42	37·49	31·79	+ 5·70	0·53	Ahmedabad.
1	2			3	10	10	4		S 75° W	6·7	8·5	−21		87	+11	·857	+·079	6·4	+1·4	9	3·73	+ 5·27	7·92	3·98	+ 3·94	22·34	23·33	− 0·99	2·73	Deesa.
2		2	9		17				S 14° W	4·8	4·1	+17	5·7	81	+ 7	·841	+·034	4·9	+1·4	9	4·80	+ 4·20	7·76	4·23	+ 3·53	21·95	26·43	− 4·48	3·34	Agra.
17		2	1	1	3	4	2		S 80° W	3·5	3·2	+ 9	4·3	86	+11	·852	+·050	3·6	+0·6	16	6·80	+ 9·20	20·07	5·89	+14·18	38·99	36·09	+ 2·90	3·44	Jhansi.
														82	+ 1	·740	−·008	6·4	−0·1				6·38	7·63	−1·37				IX.—Deccan.	
16						4	8	2	S 84° W	11·0	16·7	−34		92	+ 3	·662	+·005	7·7	+0·2	10	9·10	+ 0·90	5·91	4·83	+ 1·08	37·88	39·89	− 2·01	2·53	Belgaum.
	1	1				3	10	15	N 66° W	11·4	9·9	+15	11·3	76	− 2	·684	+·009	6·1	−1·2	6	9·50	− 3·50	2·82	8·77	− 5·95	17·27	24·41	− 7·14	0·79	Sholapur.
2						5	21	2	S 86° W	11·6	11·4	+ 2		81	0	·669	−·010	6·5	−0·7	3	8·10	− 5·10	1·84	5·00	− 3·16	20·26	21·42	− 1·16	0·67	Poona.
						8	19	3	S 83° W	11·0			12·0	80	−4	·667	−·033	6·9	−0·4	5	9·70	− 4·70	3·20	7·61	− 4·41	19·84	17·44	+ 2·40	1·50	Bijapur.
1						6	17	6	W	9·7	7·6	+28	11·2	77	0	·702	−·007	3·3	−2·3	5	7·80	− 2·80	2·29	6·90	− 4·61	22·03	20·62	+ 1·41	0·96	Malegaon.
1	1					5	9	14	N 72° W	7·7			9·4	77	− 5	·640	−·045	4·0	−1·9	4	9·80	− 5·80	1·68	6·98	− 5·30	20·16	18·13	+ 2·03	0·73	Ahmednagar.
1						1	15	13	N 71° W	7·2	5·8	+24	6·3	85	+ 4	·802	+·041	6·6	+0·8	8	8·40	− 0·40	2·49	6·52	− 4·03	35·01	29·00	+ 6·01	0·64	Akola.
1	2					9	16	2	S 83° W	7·7	4·4	+75	6·9	84	− 1	·757	−·021	5·9	−0·1	8	7·30	+ 0·70	2·34	6·26	− 3·92	36·83	30·03	+ 6·80	0·93	Amraoti.
3							8	19	N 58° W	6·5	6·2	+ 5	6·5	87	+ 5	·764	+·008	6·3	+1·1	8	7·70	+ 0·30	11·23	6·58	+ 4·65	44·76	28·68	+16·08	5·26	Khandwa.
11					1	11	6	1	S 61° W	2·7	2·5	+ 8	2·8	91	+ 4	·822	+·008	7·3	+1·2	13	10·50	+ 2·50	6·36	9·66	− 3·30	43·94	48·49	− 4·55	1·26	Hoshangabad.
2	5			1	6	14	2		N 86° W	5·9	6·1	− 3	4·7	82	+ 2	·780	−·012	6·0	−0·4	8	10·30	− 2·30	3·99	9·04	− 5·05	60·61	44·00	+16·61	1·31	Nagpur.
8				1	7	10	4		S 81° W	5·8	4·1	+41	5·2	79	− 1	·796	−·014	5·1	−1·0	7	11·30	− 4·30	5·94	9·48	− 3·54	48·34	49·88	− 1·54	1·37	Chanda.
5	3	6	1	1	4	5	5		N 41° W	9·3	3·9	+138	7·8	83	− 1	·716	−·052	6·5	+2·0	9	11·90	− 2·90	5·39	9·51	− 4·12	50·11	49·72	+ 0·39	1·54	Seoni.
2	2	1	2	2	8	11	2		S 73° W	3·8	3·4	+12	3·3	87	+ 3	·781	−·017	9·8	+4·3	19	9·80	+ 9·20	10·96	7·90	+ 3·06	47·19	54·58	− 7·39	3·64	Jubbulpore.
	1	3	1	1	8	14	2		S 83° W	7·1	3·3	+115	6·3	84	+ 1	·721	−·042	6·4	+0·9	14	9·70	+ 4·30	16·75	7·31	+ 9·44	48·55	44·84	+ 3·71	4·77	Saugor.
8	1	1	3	2	2	2	7	4	S 87° W	1·7	6·5	−74	1·6	89	+ 9	·869	+·052	7·0	+1·1	13	8·70	+ 4·30	20·25	6·10	+14·15	46·16	40·55	+ 5·61	3·33	Sutna.
7	4	1		2	10	3	3		S 78° W	4·3	5·9	−27	5·2	87	+ 3	·828	−·010	4·6	−1·9	12	10·60	+ 1·40	5·81	7·39	− 1·58	38·65	46·12	− 7·47	1·57	Raipur.
10	1	1	1	2	4	2	1	8	N 84° W	4·8			4·1	86		·761		6·5		10			11·63			56·07			4·17	Pendra.
	1		6	5	1	13	4		S 17° W	4·8	2·2	+118	4·8	83	+ 1	·904	+·016	6·4	+0·4	13	11·80	+ 1·20	7·46	8·76	− 1·30	46·56	62·18	−15·62	1·65	Sambalpur.
3	2				1	23	1		N 85° W	10·4			10·3	80		·678		5·5		3	9·60	− 6·60	3·76	7·24	− 3·48	26·86	26·30	+ 0·56	2·04	Aurangabad.
3	4	2			2		19		N 37° W	4·6			3·8	76		·730		4·8		7	10·30	− 3·30	8·33	8·29	+ 0·04	39·21	35·05	+ 4·16	3·76	Indur.
	5		1	3	6	11	4		N 87° W	5·6			4·7	78		·659		4·7		6	11·90	− 5·90	5·00	9·21	− 4·21	30·61	33·14	− 2·53	2·85	Bidar.
1	2			1		1	9	16	N 59° W	10·2			8·9	81	+ 1	·707	−·004	5·2	−1·6	11	11·20	− 0·20	4·21	9·33	− 5·12	31·14	26·26	+ 4·88	0·90	Gulbarga.
					3	17	10		N 79° W	14·0			13·3	77	− 3	·702	−·023	5·3	−1·4	12	9·80	+ 2·40	8·58	8·44	+ 0·14	28·17	24·33	+ 3·84	3·05	Raichur.
15						12	3		N 82° W	5·2			5·0	79	− 4	·708	−·026	4·8	−1·7	6			3·79	6·04	− 2·25	25·22	25·74	− 0·52	2·09	Hyderabad (Deccan).
4	3					13	10		N 63° W	8·6			7·6	73		·736		6·2		6	10·30	− 4·30	3·85			33·23			2·11	Hanumkonda
														87	− 1	·846	−·003	6·6	−0·1				5·81	9·20	−3·39				X.—West Coast.	
	1	1	1	3	3	8	10	3	S 63° W	9·9	11·7	−15		86	− 1	·873	−·007	6·6	−0·7	10	14·00	− 4·00	3·98	11·75	− 7·77	56·15	72·21	−16·06	1·55	Bombay.
3	4	2	4	2	1	5	8	1	N 88° W	8·7	8·2	+ 6	8·6	87	0	·850	−·009	5·9	−0·6	14	15·60	−1·60	8·09	12·52	− 4·43	90·88	102·14	−11·26	1·57	Ratnagiri.
10	7	10	1				2		N 23° W	7·4				92	+ 1	·895	+·010	7·3	+1·5	14			6·18	8·34	− 2·16	83·50	85·01	− 1·51	1·82	Mormugao.
2	2		7	1	1	6	8	3	S 75° W					86	− 3	·854	−·016	7·5	+0·1	17			6·55	8·37	− 1·82	86·26	91·24	− 4·98	0·95	Goa.
16	5						9		N 61° W	3·3				89	− 1	·848	+·025	5·9	−0·2	17	15·10	+ 1·90	8·68	12·76	− 4·08	91·37	113·71	−22·34	1·22	Karwar.
1	5	7	6	1			1	9	N 16° E	7·0				84	− 2	·841	−·004	5·5	−0·5	11	14·20	− 3·20	3·37	8·98	− 5·61	76·81	85·04	− 8·23	0·70	Cochin.
13		2			1	6	8		N 60° W	6·3			6·3	89	+ 1	·827	−·005	6·5	+0·2	10	12·20	− 2·20	5·13	6·13	−1·00	83·23	94·37	−11·14	1·18	Calicut.
10	2	3	6				5	4	N 2° E	4·2	2·4	+75		91	+ 1	·855	+·010	7·8	+0·2	17	16·90	+ 0·10	9·07	10·32	− 1·25	108·18	111·49	−3·31	2·17	Mangalore.
2	6	1					4	17	N 39° W	6·9				81	− 3	·775	−·028	6·0	−0·8	4	7·10	− 3·10	1·27	3·63	− 2·36	41·31	36·14	+ 5·17	0·53	Trivandrum.

the data for that station, are not utilized in calculating the provincial departures from normal.
Nos. 40, 42 and 44 are derived, are incomplete.

Table

Abstract of Observations taken at 8 h., at 231 Station

Number of rainfall division.	Station.	Elevation of bar-cistern above sea-level in feet.	Pressure, 8 h., in inches.								Temperature of Air.												
			Mean 8 h. pressure reduced to 32°.	Departure from normal.	Mean 8 h. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 h. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	XI.—South India.			−·006								90·2	−0·3	74·2	+0·3	82·2	0	16·0					25·4
57	Pamban . .	37	29·834	−·013	29·797	29·907	15th	29·785	4th	·122	82·7	90·7	+1·7	79·5	+1·2	85·1	+1·5	11·2	92·8	11th	77·7	4th & 10th.	15·1
	Tinnevelly .	168	29·715	−·002	29·812	29·779	15th& 30th	29·660	4th	·119	85·2	96·4	−1·4	78·6	0	87·5	−0·7	17·8	100·3	9th	74·9	29th	25·4
	Madura . .	447	29·433	+·012	29·817	29·505	30th	29·380	5th	·125	81·6	94·2	−1·1	75·2	−0·1	84·7	−0·6	19·0	98·5	7th & 10th	70·5	17th	28·0
	Periyakulam .	944	28·928		29·817	28·998	30th	28·883	20th	·115	77·9	91·9		70·3		80·1		21·6	96·3	12th	64·9	27th	31·4
34	Salem . .	940	28·958	−·010	29·845	29·023	30th	28·897	4th&5th	·126	78·1	90·6	−0·7	73·2	+1·3	81·9	+0·3	17·4	94·7	14th	67·9	29th	26·8
	Coimbatore .	1,348	28·545	+·004	29·852	28·611	30th	28·490	4th&5th	·121	74·8	87·5	−2·1	70·1	−0·6	78·8	−1·4	17·4	92·4	11th	65·3	28th	27·1
35	Mercara . .	3,781	26·22	+·009	26·153	26·277	30th	26·160	5th	·117	63·8	69·9	−2·3	61·3	−0·6	65·6	−1·5	8·6	74·0	18th & 21st	57·6	2 h ,,	16·4
36	Chitaldroog .	2,405	27·489	−·006	29·848	27·580	30th	27·415	5th	·165	71·0	81·3	−2·2	67·2	−0·3	74·3	−1·3	14·1	86·1	18th	63·9	28th	22·2
	Bangalore .	3,021	26·912	−·007	29·869	26·981	15th	26·842	5th	·139	68·8	79·8	−2·1	64·9	−0·4	72·4	−1·3	14·9	84·8	17th	59·4	28th	25·4
	Hassan . .	3,091	26·860	+·002	29·881	26·930	30th	26·799	5th	·131	69·4	79·8	0	63·3	−0·9	71·6	−0·5	16·5	84·8	16th	56·8	28th	28·0
	Mysore . .	2,518	27·416	0	29·889	27·484	15th	27·356	5th	·128	70·7	81·5	−3·0	65·2	−1·2	73·4	−2·1	16·3	87·0	17th	59·4	28th	27·6
56	Negapatam .	31	29·616	−·024	29·776	29·904	30th	29·759	4th	·145	80·5	94·2	+1·7	77·7	+1·2	86·0	+1·5	16·5	98·4	12th & 13th	74·0	22nd	24·4
	Cuddalore .	37	29·809	−·010	29·775	29·893	30th	29·749	5th	·144	81·5	92·8	+0·9	77·3	+1·6	85·1	+1·3	15·5	100·6	12th	72·2	17th	28·4
	Trichinopoly .	255	29·630	+·009	29·804	29·692	30th	29·557	5th	·135	82·0	95·8	+0·3	76·5	+0·8	86·2	+0·6	19·3	101·1	14th	72·4	22nd	28·7
	Pudukkottai .	318	29·562		29·812	29·640	22nd	29·502	4th	·138	81·8	96·1		75·5		85·9		20·6	100·3	11th	70·5	16th	29·8
	Madras . .	22	29·813	−·014	29·766	29·921	15th	29·743	5th	·178	82·1	93·0	0	77·6	+0·6	85·3	+0·3	15·4	99·5	14th	72·0	20th	27·5
	Vellore . .	707	29·139		29·789	29·209	15th& 30th	29·061	5th	·148	79·6	91·6		74·8		83·2		16·8	99·4	15th	68·7	29th	30·7
55	Nellore . .	52	29·764	+·003	29·758	29·877	15th	29·673	5th	·204	83·7	94·0	−0·6	78·2	+0·5	86·1	−0·1	15·8	98·8	11th	74·6	21st	24·2
	Masulipatam .	15	29·786	0	29·735	29·897	15th	29·697	5th	·200	83·0	91·6	+0·9	79·2	+1·8	85·4	+1·4	12·4	95·1	29th	75·1	5th	20·0
54	Cuddapah .	433	29·420	−·003	29·794	29·509	15th	29·316	5th	·193	80·5	92·7	+0·2	75·6	−0·2	84·2	0	17·1	98·7	18th	70·1	21s	28·6
	Kurnool .	923	28·911	−·009	29·787	29·003	15th	28·814	5th	·189	76·8	88·8	−0·4	73·0	−0·1	80·9	−0·3	15·8	94·2	18th	70·1	27th	24·1
	Bellary . .	1,475	28·380	−·005	29·811	28·465	15th& 30th	28·290	5th	·175	76·4	89·6	−1·0	72·2	−0·5	80·9	−0·8	17·4	96·0	17th	67·7	29th	29·3
52	Cocanada .	26	29·742	−·020	29·704	29·879	15th	29·620	5th	·259	82·8	91·3	+2·1	78·7	+0·6	85·0	+1·4	12·6	94·6	29th& 30th	76·5	5th, 25th & 27th.	18·1
	Waltair(Vizag.)	*226*	29·524	−·017	29·690	29·678	15th	29·398	5th&6th	·280	82·8	90·1	?	78·3	?	84·2	?	11·8	95·9	11th & 12th	72·9	25th	23·0
	Calingapatam .	19	29·713		29·672	29·866	15th	29·588	6th	·278													
	Gopalpur .	72	29·661	−·018	29·675	29·814	15th	29·510	25th	·304	82·4	88·8	+0·5	79·4	+1·1	84·1	+0·8	9·4	92·2	10th & 23rd	76·0	26th	16·3
	XII.—Hill Stations.																						
48	Pishin . .											88·2		52·2		70·2		36·0	93·4	7th, 8th & 9th.	41·1	30th	52·3
	Quetta . .	5,502	24·580	−·023	24·540	24·667	30th	24·481	11th	·186	68·0	85·7	+ 0·3	51·2	+1·7	68·5	+1·0	34·5	90·6	9th	39·8	30th	50·8
	Kalat . .										68·2	86·4	+ 1·2	43·9	+4·4	65·1	+2·8	42·5	95·5	7th	34·9	30th	60·6
	Chaman. .	4,311	25·631	−·017	25·593	25·724	26th& 30th.	25·538	10th	·186	68·8 †	90·0 †	− 1·6 †	60·5 †	−1·8 †	75·3 †	−1·7 †	29·5 †	96·3	7th	49·8	17th	46·5
30	Leh . .	11,503	19·740	+·010	19·708	19·837	18th	19·613	11th	·224	53·4	69·6	− 0·7	44·1	+2·6	56·7	+1·0	25·5	81·1	6th	35·9	22nd	45·2
	Srinagar .	5,204	24·817	−·029	24·788	24·905	16th	24·701	9th	·204	62·6	80·0	+ 0·6	56·5	+3·5	68·3	+2·1	23·5	90·3	8th	47·7	30th	42·6
	Gulmarg .	8,569	21·863		21·831	21·925	26th	21·765	10th	·160	55·0	64·1		43·7		53·9		20·4	72·6	7th	33·7	18th	38·9
	Sonemarg .	*8,764*	21·790		21·758	21·853	22nd	21·656	11th	·197	48·8	66·5		42·1		54·3		24·4	75·9	8th	33·6	16th, 17th & 30th.	42·3
	Skardu .	*7,505*	22·850		22·820	23·001	18th	22·636	11th	·365	61·9	78·9		54·1		66·5		24·8	93·0	8th	47·2	18th&19th	45·4
	Dras . .	*10,059*	20·827		20·795	20·937	18th	20·699	11th	·238	51·8	67·3		41·3		54·3		26·0	85·0	8th	22·1	17th	62·9
	Gilgit . .	4,890	25·038		25·011	25·199	30th	24·810	10th	·389	73·8	89·1	+ 2·4	66·2	+1·7	77·7	+2·1	22·9	101·7	9th	54·2	17th	47·5
32	Chitral . .	*5,486*									63·4	89·3		58·5 **		73·9		30·8	94·7	8th & 11th	50·0	30th	44·7
	Killa Drosh .	4,700?									69·1	88·6		66·0		77·2*		22·6	94·7	9th	59·1	13th & 29th.	35·6
	Para Chinar	6,000	24·385		24·352	24·455	28th	24·268	10th	·187	69·6	80·6		59·1		69·9*		21·5	86·3	25th	53·0	30th	37·3

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

† Mean of 26 days.
** ,, ,, 29 ,,

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

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

I—*continued.*

in India, Burma, etc., in September, 1906—continued.

Wind Direction. Number of winds from Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	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 h. Mean humidity at 8 h.	Departure from normal.	Mean vapour tension at 8 h.	Departure from normal.	Cloud. Mean cloud amount at 8 h.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 30th September, 1906.	Normal rainfall for period, 1st May to 30th September.	Departure from normal of period, 1st May to 30th September, 1906.	Heaviest rainfall during month.	Station.
5	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
														77	0	·767	+·001	6·1	—0·4				3·89	4·89	—0·84					XI.—South India.
7		2	1	1	1	1	5	2	N 84° W	5·9			6·3	81		·903		3·5		0	2·20	— 2·20	0·07	1·31	— 1·24	4·29	2·96	+ 1·33	0·07	Pamban.
1	1					7	14	7	N 89° W	8·4			8·1	67	+ 7	·804	P	5·0	—0·4	1	2·00	— 1·00	1·55	1·30	+ 0·25	5·90	3·98	+ 1·92	1·54	Tinnevelly.
	4	1					11	14	N 54° W	5·0	3·4	+ 47	5·8	69	+ 1	·747	+·010	6·2	+1·0	5	6·10	— 1·10	6·47	4·99	+ 1·48	18·89	14·64	+ 4·25	3·13	Madura.
2	2	2		1	1		2		N 4° E	2·8			3·1	70		·665		4·6		3	4·50	— 1·50	1·11	2·57	— 1·46	21·05	8·92	+12·13	0·72	Periyakulam.
					1	13	12	4	S 73° W	5·2	3·7	+ 41	4·6	79	— 1	·768	—·003	6·2	+0·3	5	8·70	— 3·70	2·50	6·55	— 4·05	21·73	25·48	— 3·75	0·98	Salem.
					10	19		1	S 31° W	7·6	6·6	+ 15	7·0	82	— 2	·712	—·036	5·2	—0·1	3	5·20	— 0·20	1·85	1·32	+ 0·53	9·49	7·60	+ 1·89	1·15	Coimbatore.
1	4					1	10	14	N 57° W	4·9	7·9	— 38	4·6	94	+ 2	·565	—·009	8·8	+0·3	20	18·00	+ 2·00	12·85	10·38	+ 2·37	118·94	110·32	+ 8·62	1·95	Mercara.
					1	12	15	2	S 72° W	9·5			8·3	83	+ 1	·635	—·008	7·4	—0·7	7	6·90	+ 0·10	4·72	4·71	+ 0·01	22·52	17·72	+ 4·80	1·43	Chitaldroog.
						8	18	4	S 84° W	9·0	6·7	+ 34	8·0	89	+ 3	·632	0	8·0	+0·1	12	9·60	+ 2·40	7·87	6·23	+ 1·64	29·91	22·92	+ 6·99	1·58	Bangalore.
3						6	14	7	N 88° W	3·2			2·8	88	+ 6	·686	+·031	8·3	+0·1	9	7·40	+ 1·60	4·55	4·68	— 0·13	24·68	22·08	+ 2·60	1·20	Hassan.
2		1			1	11	13	2	S 73° W	8·6			9·3	83	0	·621	—·014	7·0	—0·5	8	7·70	+ 0·30	2·34	5·60	— 3·26	18·30	18·03	+ 0·87	0·80	Mysore.
						4	19	7	N 86° W	7·3	5·2	+ 40	6·9	72	— 3	·757	—·063	4·4	—1·3	5	5·60	— 0·60	1·62	3·45	— 1·63	14·38	12·10	+ 2·28	0·59	Negapatam.
3		1			1	7	15	3	S 82° W	3·1			3·8	74	—8?	·80?	—·079?	5·1	—0·9	6	6·60	— 0·60	2·55	6·21	— 3·66	12·01	17·35	— 5·34	0·94	Cuddalore.
3					1	14	12		S 63° W	5·8	7·1	— 18		69	— 3	·759	+·009	5·5	—0·5	1	5·90	— 4·90	0·20	3·91	— 3·71	12·11	14·01	— 1·90	0·16	Trichinopoly.
1	13	1						15	N 23° W	9·0**			10·6**	67		·729		7·0		1			0·38			17·73			0·18	Pudukkottai.
1		1			2	12	13	1	S 67° W	5·1	6·5	— 17		79	+ 1	·870††	+·028	6·5	—0·2	9	10·70	— 1·70	6·27	5·01	+ 1·26	17·67	17·48	+ 0·09	3·71	Madras.
5	3	2	3	6	3	3	3	2	S 27° E	3·0			3·0	71		·711		4·0		5	8·60	— 3·60	4·40	6·14	— 1·74	23·23	20·67	+ 2·56	2·25	Vellore.
	1				2	3	15	9	N 82° W	8·0				67	— 9	·773	—·076	7·1	—0·1	1	5·60	— 4·60	2·20	4·35	— 2·15	9·47	12·81	— 3·34	2·00	Nellore.
3						3	3	16	N 61° W	8·5	6·4	+ 33	7·5	87	+ 3?	·987	+·080	6·8	—0·2	8	9·40	— 1·40	4·27	5·89	— 1·62	23·51	23·53	— 0·02	1·30	Masulipatam.
						5	15	10	N 82° W					74	0	·767	—·005	6·5	—0·7	9	8·30	+ 0·70	12·51	5·93	+ 6·58	28·59	20·95	+ 7·64	6·83	Cuddapah.
						12	13	5	S 78° W	9·6				84	+ 6	·773	+·039	5·5	—1·4	12	9·20	+ 2·80	7·31	6·60	+ 0·71	23·75	21·80	+ 1·95	1·72	Kurnool.
						1	20	9	N 78° W	8·9	9·3	— 4	7·8	71	+ 1	·648	—·004	6·0	—1·4	8	6·90	+ 1·10	3·53	4·62	— 1·09	14·71	12·38	+ 2·33	0·86	Bellary.
		2				12	8	1	S 67° W	4·9			4·1	83	+3	·936	+·076	6·4	—1·0	5	9·00	— 4·00	2·28	5·89	— 3·61	27·67	22·92	+ 4·75	1·06	Cocanada.
		4	1			7	13		S 82° W	7·5			6·1	75	— 6	·942	—·040	7·8	+0·5	7	8·80	—1·80	4·81	8·01	—3·20	37·15	24·16	+12·99	1·89	Waltair (Vizag.).
	3					5	10	7	N 78° W	6·7			5·7							4			3·85						2·73	Calingapatam‡
	1				1	4	4	9	N 75° W	8·4	7·2	+ 17	8·2	85	0	·930	+·001	5·4	—1·2	9	9·90	—0·90	7·93	7·14	+ 0·79	26·83	31·09	— 4·26	3·18	Gopalpur.
																														XII.—Hill Stations.
																				0	0·10	— 0·10	0	0·01	— 0·01	0·05	0·46	— 0·41	0	Pishin.
									None	0·2	3·5	— 94	0·2	47	— 3	·329	—·001	0·1	—0·1	0	0·20	—0·20	0	0·13	— 0·13	0·43	2·32	— 1·89	0	Quetta.
	13		1		14		2		S 45° W					35		·245				0	0·10	— 0·10	0	0	0	0·90	1·65	— 0·75	0	Kalat.
	3	2	6	5	1			1	N 87° E	6·0			6·6	39	+ 9	·284	+·015	0	—0·2	0	0	0	0	0	0	0·06	0·28	— 0·22	0	Chaman.
		1			2	1	1		S 27° W	2·4				54†	+ 6	·226†	+·050	4·0	+0·4	3	0·50	+ 2·50	0·88	0·20	+0·68	1·26	1·53	— 0·27	0·46	Leh.
			1	5	4			1	S 28° E	1·7			1·6	85	— 2	·495	+·027	3·1	—0·2	2	3·30	— 1·30	2·85	1·11	+ 1·74	10·81	10·41	— 0·40	2·00	Srinagar.
	2	9	1		2	3	2	1	N 28° E	3·7			4·3	80		·359		3·5		7			5·36			15·99			3·12	Gulmarg.
	4	13	1	1					N 42° E	3·0			2·7	82		·294		3·7		10			6·06			18·60			2·34	Sonemarg.
	1	3	1	2	1	1	1		E	5·3			5·4	53		·292		3·8		2	0·40	+ 1·60	2·19	0·21	+ 1·98	6·80	2·93	+ 3·87	1·11	Shardu.
	1	1				1			N	8·2			6·6	67		·266		2·9		4	2·00	+ 2·00	4·44	0·87	+ 3·57	9·01	5·46	+ 3·55	2·20	Dras.
			1			1			S 23° E	2·1			1·9	44	— 7	·372	—·013	3·0	—0·5	0	1·10	— 1·10	0·15	0·25	— 0·10	3·96	2·35	+ 1·61	0·09	Gilgit.
									None	6·3			5·5	83		·496		0·9		0			0			4·86			0	Chitral.
	2	2	3	6	3	3		2	S 45° E					59		·429		0·1		2			1·62			8·85			1·12	Killa Drosh.
									None	4·2			3·8	60		·435		4·1		4	5·30	—1·30	1·61	2·63	— 1·02	18·91	12·46	+ 6·45	0·62	Para Chinar.

any station, the data for that station, are not utilized in calculating the provincial departures from normal.
os. 40, 42 and 44 are derived, are incomplete.

* Rainfall since 23rd May, 1906.
†† Mean of 28 days

‡ Wind observations for 27 days.

Table

Abstract of Observations taken at 8 h., at 231 Stations

Number of rainfall division.	Station.	Elevation of barometer above sea-level, in feet.	Pressure, 8 h., in inches.								Temperature of Air.											
			Mean 8 h. pressure reduced to 32°.	Departure from normal.	Mean 8 h. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 h. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean, between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
29	Cherat	*4,256*	25·625	—·018	25·593	25·695	20th & 28th.	25·504	10th	·191	71·9	83·9	—1·9	64·7	—1·2	74·3	—1·6	19·2	94·1	6th & 27th	54·0	16th	40·1
	Murree	6,333	23·809	—·021	23·777	23·879	20th	23·684	15th	·195	62·9	70·8	—3·0	55·2	—3·6	63·0	—3·3	15·6	75·5	4 days.	46·9	17th	28·6
	Kailang	*10,087*	20·945**		20·900**	21·023	1st	20·865	11th	·158	51·5	66·5	—2·8	41·9	—0·2	54·2	—1·5	24·6	80·7	8th	32·1	14th	48·6
	Poo‡											71·2		54·8		63·0		16·4	77·5	8th	47·8	30th	29·7
	Simla	7,224	23·073	—·024	23·035	23·135	22nd	22·996	10th	·139	60·2	65·1	—1·0	57·0	+0·6	61·1	—0·2	8·1	70·9	28th	52·1	17th	18·8
	Sarain		23·121			23·184	26th	23·030	10th	·154	58·7	69·1		52·9		61·0		16·2	74·0	24th	47·4	19th & 21st.	26·6
	Kalabagh		20·140			20·196	22nd	20·066	14th	·130	50·6	55·6		46·7		51·2		8·9	61·5	26th	40·0	30th	21·5
	Chakrata	7,022	23·249	—·010	23·209	23·308	26th	23·183	11th	·125	61·6	68·5	—0·2	58·3	+1·3	63·4	+0·6	10·2	73·3	14th	55·0	16th, 29th & 30th.	18·3
25	Muktesar	7,600	22·798*		22·757*	22·862	26th	22·690	10th	·172	60·9	67·6		56·9		62·3		10·7	74·5	24th	53·4	30th	21·1
13	Yatung	10,480										63·0		44·2		53·7		18·8	68·1	23rd	40·1	14th, 21st & 28th.	28·0
8	Darjeeling	7,376	23·011	—·018	22·966	23·079	15th	22·927	10th	·152	61·9	67·4	+3·3	56·8	+1·3	62·1	+2·3	10·6	73·2	27th	54·1	3rd	19·1
	Shillong	4,920	25·076		25·028	25·152	15th	24·987	10th	·165	67·7	75·1		62·0		68·6		13·1	80·4	27th	56·7	10th	23·7
50	Cherra Poonjee	4,309	25·616		25·567	25·696	15th	25·528	10th	·168	68·6	75·0		65·6		70·3		9·4	83·7	27th	60·8	8th	22·9
42	Mount Abu	3,945	25·963	—·020	25·913	26·063	30th	25·856	11th	·207	67·3	71·8	—3·5	64·6	0	68·2	—1·8	7·2	76·7	27th	61·4	15th	15·3
34	Pachmarhi	3,528	26·333	—·030	26·280	26·457	16th	26·151	13th	·306	68·9	75·2*	—2·0	65·5	—0·8	70·4*	—1·4	9·7	81·1	21st	61·2	21st	19·9
57	Ootacamund	*7,322*	23·010		22·946	23·065	29th & 30th	22·965	6th	·100	55·9	62·7		49·8		56·2		12·9	67·0	16th	43·7	29th	23·3
	Kodaikanal	7,688	22·806		22·741	22·869	30th	22·760	25th	·101	55·8	62·6		51·4		55·8		11·2	66·2	18th	47·6	29th	18·6
	XIII.—Extra India.																						
	Trincomalee	12	29·860	P	29·798	29·91	30th	29·797	4th	·152	79·5	91·0	—0·2	76·6	0	83·8	—0·1	14·4	94·0	10th	73·0	17th	21·0
	Colombo	40	29·884	—·026	29·850	29·952	30th	29·828	2nd	·125	81·4	87·1	+1·1	73·6	+1·6	82·9	+1·4	8·5	88·5	30th	75·0	28th	13·5
	Meshed	3,104	27·395§			27·550	7th & 24th.	27·210	17th	·340	67·8	77·1		54·0	—0·2	65·6		23·1	86·6	19th	42·9	24th	43·7
	Teheran*	*4,002*	Not received.																				
	Ispahan	*5,817*	24·246†			24·370	26th	24·130	9th	·240	64·2	89·1	—1·3	56·5*	+1·5	72·8*	+0·1	32·6	95·7	5th	50·3	25th & 30th.	45·4
	Bushire	14	29·703	—·026	29·676	29·831	23rd	29·551	1st	·280	83·7	92·1	—2·2	78·0	—1·1	85·1	—1·7	13·1	98·0	1st	71·6	21st & 22nd.	26·4
	Bahrein	18	29·766‡		29·736‡	29·908	30th	29·568	2nd & 5th.	·340	89·1‡	93·3‡		80·8‡		87·1‡		12·5	98·1	2nd	76·1	17th	22·0
	Jask	13	29·728	—·020	29·698	29·894	30th	29·596	1st	·298	85·6	92·7	—0·8	81·3	+0·4	87·0	—0·2	11·4	99·8	27th	75·7	27th	24·1
	Muscat	20	29·727	—·028	29·694	29·855	30th	29·627	6th	·228	86·7	94·0	+0·8	83·7	+0·3	88·9	+3·6	10·3	102·5	27th	80·1	3rd	22·4
	Baghdad	220	29·649	—·024	29·843	29·836	26th	29·521	1st	·315	77·6	103·9	+2·0	70·9	—0·8	87·4	+0·6	33·0	112·4	8th	62·9	21st	49·5
	Busrah	25	29·749		29·734	29·904	26th	29·634	3rd	·270	79·4	98·3		67·7		83·1		30·6	103·8	4th	61·7	19th 20th & 22nd.	42·1
	Beirut (*b*)				29·877						80·7	87·0		72·3		79·7		14·7	89·8	1st & 2nd	68·2	30th	21·6
	Aden	94	29·713	+·006	29·767	29·835	23rd	29·649	11th	·186	86·0	92·5	—1·1						97·3	17th			
	Perim	201	29·641	+·032	29·774	29·694	24th	29·588	1st	·106	88·6	95·5	+0·7	85·1	+2·0	90·3	+1·4	10·4	100·3	15th	82·2	23rd	18·1
	Kabul		24·238			24·299	26th	24·145	11th	·154	69·6	91·5	+4·3	53·7	+2·7	72·6	+3·5	37·8	99·1	29th	41·9	27th	57·2
	Kashgar	4,255	25·580§			25·720	26th & 27th.	25·410	10th	·310	64·8	85·3	+3·7	58·2	+1·3	71·7	+2·5	27·1	95·3	8th	45·5	14th	49·8
	Amini Divi	*13*	Not received.																				
	Minicoy	7	29·956		29·889	30·012	23rd	29·924	4th	·088	82·3	86·6	+1·3						88·5	24th			
	Zanzibar	72	30·076	+·010	30·075	30·125	10th	30·011	28th	·114	75·5	82·1	+0·1	73·6	+0·1	77·8	+0·1	8·5	85·8	28th	71·3	3rd	14·5
	Do. Dunga	*154*	Not received.																				
	Penang (*a*)	20	29·926		29·870	29·945	15th	29·900	22nd	·045	81·5	88·1		74·1		81·1		14·0	92·0	4th	72·0	2nd & 29th.	20·0
	Singapore (*a*)	10	Observatory under reconstruction.			No observation is taken.																	

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

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

,, 2.—The data from which divisional means of the figure columns Nos. 10

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

(*a*) 9 h. Observations. * Mean of 29 days.

(*b*) 8½ h. ,,

§ Aneroid corrected. † Aneroid uncorrected. ‡‡ Observations for 28 days.

I—*concluded.*

in India, Burma, etc., in September, 1906—concluded.

Wind Direction. Number of winds from Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	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 h. Mean humidity at 8 h.	Departure from normal.	Mean vapour tension at 8 h.	Departure from normal.	Cloud. Mean cloud amount at 8 h.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 30th September 1906.	Normal rainfall for period, 1st May to 30th September.	Departure from normal of period, 1st May to 30th September 1906.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
10	3		2	1	6	1	1	1	N 15° E	5·8			5·6	77	+19	·601	+·133	3·2	+1·3	5			4·72	1·80	+2·92	13·46	11·83	+ 1·63	2·45	Cherat.
24	1			1	1			3	N 45° W	2·7	5·4	−50	2·9	79	+14	·454	+·073	4·5	+2·0	10	8·00	+2·00	6·33	5·62	+ 0·71	35·11	37·58	− 2·47	1·79	Murree.
		4	2	4	7	8	3	2	S 10° W	1·9				65		·253		2·6		6			8·60	1·67	+ 6·93	12·92	8·32	+ 4·60	3·40	Kallang.
24						2	2		S 72° W									5·2		4			0·67	0·15	+ 0·22	1·81	3·02	− 1·21	0·23	Poo.††
11	10		1		8				N 27° E	2·3‡ ††	1·7	+35	2·2‡ ††	82	+ 6	·426	+·029	4·5	+0·5	13	8·70	+4·30	12·02	5·87	+ 6·15	85·18	51·29	+33·89	2·31	Simla.
21		1	2		5	1			S 22° E	1·9			1·8	61		·404		3·7		10			16·18			63·26			4·33	Sarain.
9	6	1	1	3	2			8	N 14° W	6·0			5·2	77		·289		4·7		12			20·82			82·77c			4·72	Kalabagh.
21	5			1	3				N 30° E	3·8	4·7	−19	4·6	90	+ 7	·498	+·048	4·1	+0·4	13	8·30	+4·70	14·35	6·10	+ 8·25	74·03	56·55	+17·48	3·97	Chakrata.
8	1	2	7	7	2	1	1	1	S 68° E	7·8			7·3	88		·466		6·6		13			9·29			40·31			2·62	Muktesar.
																				16	14·43	+1·57	4·30	6·68	− 2·38	33·49	37·88	− 4·39	0·56	Yatung.
9	1	6	3	4		1	3	3	N 45° E	3·6	3·0	+20	3·3	91	− 3	·508	+·034	7·6	−0·9	18	17·71	+0·29	9·14	18·95	− 9·81	107·34	111·83	− 4·49	1·86	Darjeeling.
24				5	1				S 38° E	1·8			2·0	87		·585		6·5		22	17·50	+4·50	16·11	13·67	+ 2·44	78·42	65·58	+12·84	3·33	Shillong.
13	1	10	1	3		2			N 63° E	4·3			3·8	91		·627		6·9		20	18·80	+1·20	44·66	51·49	− 6·83	411·41	374·47	+36·94	13·45	Cherra Poonjee.
1	2				3	15	5	4	S 64° W	8·3	7·3	+14	8·4	89	+ 9	·595	+·044	7·0	+2·4	15	8·00	+7·00	25·66	9·12	+16·54	68·30	59·76	+ 8·54	7·84	Mount Abu.
3	1	1				6	7	12	N 72° W	7·6	5·6	+35	7·8	90	+ 7	·640	+·013	7·3	+0·7	16	13·80	+2·20	16·69	14·09	+ 2·60	77·70	71·30	+ 6·40	4·56	Pachmarhi.
4	3	2	1				16	4	N 66° W	5·0			4·7	78		·351		7·0		8	10·10	−2·10	4·60	4·44	+ 0·16	40·25	27·19	+13·66	1·23	Ootacamund.
	3	1					10	16	N 54° W	14·5				79		·351		4·8		8	12·40	−4·40	4·93	6·70	− 1·77	30·42			0·98	Kodaikanal.
																														XIII.—Extra India.
						29	1		S 46° W	9·0				80	0	·816	−·049	2·2	−0·8	10			6·08	4·56	+1·52	23·05	15·14	+7·91	1·67	Trincomalee.
						11	19		S 74° W	9·8	8·7	+13		79	+ 1	·855	+·003	7·0	+1·0	0			0·05	4·82	− 4·77	21·79	32·90	−11·11	0·04	Colombo.
														48		·330		0·5		0			0			3·72			0	Meshed.
																														Teheran.
23	2		1			2	1	1	N 63° W	1·6			2·1	54		·327		0		0			0			1·08			0	Ispahan.
1	4	7	5	7				6	N 5 2°E	8·4 **	7·7	+ 9	9·2	76	+ 13	·883 ¶	+·057	0		0			0	0	0	0·22	0	+ 0·22	0	Bushire.
	1			1										70		·959		0¶		0			0			0·05			0	Bahrein.
6		16	7	1	3	12	12		N 75° W	2·5			**2·2							0			0	0	0	0·07	0·13	−0·06	0	Jask.
21	1		1	6				1	S 78° E	12·9			12·4	75	+ 2	·925	0	4·4	+2·9	0			0	0	0	0·27	0·40	−0·13	0	Muscat.
11	6							1	S 60° E	3·5			3·6	74	− 3	·945	+·015	0·6	−0·4	0			0	0	0	0·03	0·33	−0·30	0	Baghdad.
2	28						6	7	N 45° W	6·1			8·0	41		·385		0		0			0	0	0	0·63			0	Busrah.
3		5							N					65		·663				0										
									S 42° W					59		·621		1·2		0									0	Beirut.
12		4	1	8	5	13	3	1	S 43° E	7·8	8·5	− 8	7·4	71	− 4	·882	·050	4·9	+1·0	0			0	0·13	− 0·13	0·02	0·50	−0·48	0	Aden.
	4	3	11	3		5			N 76° E	16·3			14·0	72		·973		3·7		0			0	0·01	+ 0·01	0·06	0·84	−0·78	0·01	Perim.
	4	14	3	1	1	1	7		N 58° E					56		·408		0·1		0			0·02	0·03	− 0·03	2·29	1·16	+1·13	0	Kabul.
29					5	2	1		S 45° W	1·1			1·0	58		·350		1·6		0			0	0·43	− 0·43	1·22	3·01	−1·79	0	Kashgar.
								1															0	5·54			37·73			Aminl Divi.
	1						5	24	N 51° W	7·6			8·2	75		·827		4·0		4			1·02	5·97	− 4·95	51·69	34·12	+17·57	0·36	Minicoy.
5				4	10	10	1		S 14° W	5·5			5·1	85		·751		4·3		4			1·24	2·03	− 0·79	23·24	18·36	+4·88	0·56	Zanzibar.
																														Do. Dunga.
	4	2	4	2	8	2		8	N 45° W	8·3								3·5		13			10·62			46·97			2·71	Penang.
																														Singapore.

tation, the data for that station, are not utilized in calculating the provincial departures from normal.
2 and 14 are derived, are incomplete.

‡ Mean of 27 days.
†† „ „ 17 „

(c) Total since 1st June, 1906.

** Mean of 26 days.
¶ „ „ 28 „

Table II.—Abstract of Observations recorded at 10 h. and 16 h., at 62 Stations in India, Burma, etc., in September, 1906.

Tab

Abstract of Observations recorded at 10 h. and 16 h., at

Meteorological Province.	Station.	Elevation of barometer above sea-level, in feet.	Pressure.						Temperature of Air.										Temperature, Wet-		
			Mean of 10 h.	Mean of 16 h.	Mean daily range.	Mean of daily mean pressures.	Departure from normal.	Mean reduced to S. L. and gravity 45° Lat.	Mean maximum.	Mean minimum.	Mean daily range.	Highest maximum.	Lowest minimum.	Absolute range.	Mean 10 h.	Mean 16 h.	Mean of daily means.	Departure from normal.	Mean minimum.	Mean 10 h.	Mean 16 h.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Burma Coast and Bay Islands.	Port Blair	61	29·799	29·706	·093	29·755	—·031	29·747	85·0	77·5	7·5	88·0	75·1	12·9	82·8	82·8	80·2	+ 0·5	74·9	78·4	78·1
	Rangoon	36	·801	·698	·103	·753	— ·019	·748	85·4	76·7	8·7	89·7	74·1	15·6	82·7	82·8	79·3	+ 0·2	75·6	78·8	78·3
	Diamond Island	41	·787	·691	·096	·741	—·042	·717	84·8	77·4	7·4	87·4	74·1	13·3	82·0	81·8	80·9	+ 0·8	73·8	78·7	78·4
	Akyab	20	·773	·663	·110	·724	— ·044	·687	85·5	78·1	7·4	91·0	75·1	15·9	82·0	83·6	81·6	— 0·5		79·7	80·0
Bengal and Orissa.	Chittagong	87	·676	·562	·114	·624	—·057	·658	87·2	76·4	10·8	90·3	73·5	16·8	83·0	83·8	81·2	+ 0·2	75·7	79·2	79·4
	Calcutta (Alipore)	21	·703	·598	·105	·652	—·040	·619	87·7	78·6	9·1	92·4	75·4	17·0	84·6	84·2	82·9	+ 0·3	76·9	80·5	79·8
	Saugor Island	25	·702	·597	·105	·646	—·041	·615	88·7	80·5	8·2	92·2	78·2	14·0	85·3	85·7	83·4	+ 0·6	78·1	81·7	81·3
	False Point	21	·716	·610	·106	·659	— ·035	·622	88·6	78·4	10·2	93·1	74·6	18·5	85·2	86·2	82·3	+ 0·5	77·5	79·8	80·3
Gangetic Plain and Chota Nagpur.	Hazaribagh	2,007	27·727	27·631	·096	27·681	—·032	·617	85·1	72·9	12·2	88·7	70·3	18·4	80·6	81·6	77·9	+ 0·5	71·3	74·2	74·4
	Allahabad	309	29·393	29·280	·113	29·338	— ·042	·598	91·2	77·0	14·2	94·6	71·5	23·1	86·1	88·8	82·9	— 0·1	75·6	79·0	79·5
Upper Sub-Himalayas.	Dehra Dun	2,233	27·524	27·439	·085	27·476	—·032	·647	84·3	70·5	13·8	90·5	66·7	23·8	78·9	80·7	76·4	+ 0·3	68·6	73·6	74·8
	Roorkee	899	28·823	28·723	·100	28·767	—·022	·626	88·2	73·8	14·4	94·3	68·2	26·1	82·4	85·8	79·6	— 1·2	72·7	76·6	77·2
	Lahore	702	29·002	·912	·090	·949	— ·023	·609	92·8	74·9	17·9	97·8	67·7	30·1	86·0	90·6	82·8	—2·0	72·3	77·4	78·8
	Ludhiana	812	28·901	·801	·100	·843	— ·029	·617	90·6	71·8	15·8	97·1	71·2	25·9	82·8	87·8	81·4	—2·2	72·2	77·0	77·4
Indus Valley and N.W. Rajputana.	Peshawar	1,110	·617	·507	·110	·554	— ·029	·627	94·3	73·1	21·2	100·2	65·4	34·8	85·8	91·8	82·7	+0·6	69·4	75·1	75·6
	Jacobabad	186	29·522	29·413	·109	29·469	—·004	·611	102·9	78·7	24·2	108·2	71·5	36·7	92·8	99·8	89·8	+ 1·0	74·8	80·2	79·8
	Kurrachee	30	·736	·651	·085	·691	— ·023	·674	90·6	78·8	11·8	92·2	77·2	15·0	86·7	87·2	83·7	+ 1·7	75·6	79 0	79·9
East Rajputana, Central India and Gujarat.	Jaipur	1,431	28·326	28·230	·096	28·275	—·029	·644	92·8	74·4	18·4	99·2	69·3	29·9	84·7	89·5	82·1	- 0·3	71·3	75·3	75·6
	Udaipur	1,925	27·868	27·782	·086	27·823		·684	85·7	71·7	14·0	89·9	66·5	23·4	81·1	82·0	78·0		69·3	73·5	74·1
	Deesa	466	29·324	29·219	·105	29·269	—·014	·685	90·0	74·0	16·0	96·6	70·1	26·5	83·2	87·9	81·3	— 1·4	73·6	77·3	78·0
	Jamnagar	61	·708	·619	·089	·662		·668	87·8	74·6	13·2	91·2	71·8	19·4	84·5	85·5	80·1		72·5	76·5	76·7
Deccan.	Belgaum	2,539	27·349	27·260	·089	27·305	+·002	·777	77·9	65·2	12·7	82·3	61·9	20·4	72·9	73·8	69·8	— 0·6	65·1	69·2	69·6
	Sholapur	1,590	28·256	28·129	·127	28·201	—·006	·726	88·3	70·8	17·5	92·1	67·2	24·9	80·6	85·8	77·4	+ 0·1	68·2	72·1	73·0
	Akola	930	·865	·749	·116	·811	—·009	·686	86·7	72·1	14·6	92·2	69·3	22·4	81·3	84·7	78·2	— 1·5	70·6	75·4	76·1
	Buldana	2,132	27·703	27·602	·101	27·653	—·011	·717	81·6	69·1	12·5	86·3	67·3	19·0	76·5	80·2	73·7	— 0·8	67·2	71·2	72·2
	Khandwa	1,044	28·715	28·639	·106	28·696	—·012	·697	84·8	72·9	11·9	91·2	70·9	20·3	78·9	82·9	77·9	— 1·8	70·3	74·0	75·0
	Nagpur (Sanitary Commr.'s Office)	1,017	·751	·635	·116	·697	—·001	·668	86·9	73·7	13·2	92·1	71·6	20·5	81·6	84·6	79·1	— 1·3	71·6	75·0	75·6
	Hyderabad (Deccan).	1,690	·133	·027	·106	·087	+·002	·711	86·4	71·9	14·5	90·7	70·0	20·7	80·5	83·4	77·8	+ 0·4	69·6	72·8	74·0
West Coast.	Bombay	37	29·835	29·751	·084	29·791	0	·768	85·1	77·3	7·8	87·5	75·4	12·1	81·6	82·2	80·1	+ 0·7	74·7	77·4	76·9
	Karwar	44	·875	·796	·079	·837	+·009	·815	82·4	74·0	8·4	84·2	72·5	11·7	78·9	80·3	77·1	— 0·1	72·2	76·2	76·5

II.

Stations in India, Burma, etc., in September, 1906.

Vapour Tension.					Humidity.					Cloud.				Wind Direction.										Wind steadiness.		Wind velocity.		Rainfall.		Station.	Meteorological Province.
														Total number of 10 h. and 16 h. winds from																	
From minimum.	Mean 10 h.	Mean 16 h.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 h.	Mean 16 h.	Mean of daily means.	Departure from normal.	Mean 10 h.	Mean 16 h.	Mean of two previous columns.	Departure from normal.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Mean wind direction.	Normal mean wind direction of month.	Average percentage.	Normal percentage.	Mean velocity in miles per diem.	Normal.	Total rainfall for the month.	Heaviest rainfall during the month.		
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
																									%	%						
·836	·916	·897	·890	−·015	88	81	80	85	− 4	7·6	8·9	8·3	+0·5						1	28	29	2	S 69° W	S 54° W	90	73	262°	228	6·46	0·81	Port Blair	Burma Coast and Bay Islands.
·880	·934	·920§	·926	+·016	95	83§	82§	90	− 2	8·5	8·4	8·5	+0·3	10				4	23	18	3	1	S 20° W	S 24° W	65	51	§ 38°	84	19·03	3·54	Rangoon‡	
·788	·940	·926	·894	+·009	84	86	85	87	− 2	7·1	7·8	7·5	0	2			1	3	4	34	8	8	S 54° W	S 45° W	70	54	186°	190	29·45	5·70	Diamond Island,	
	·987	·981				90	85			8·1	7·6	7·9	+0·9	4	1	2	6	12	15	9	6	5	S	S 3° E	40	42	84°	72	41·01	8·20	Akyab	
·879	·948	·946	·935	+·006	97	84	82	91	+ 3	7·2	6·4	6·8	−·0·3		2	4	1	17	14	14	6	2	S 3° W	S 21° E	50	37	116°	106	13·71	4·29	Chittagong.	
·905	·890	·960	·958	+·006	92	83	82	87	+ 1	7·9	9·0	8·5	+0·6	2	1	4	10	14	7	7	3	12	S 33° E	S 9° W	19	46	75°	98	8·30	1·46	Calcutta (Alipore).	Bengal and Orissa.
·933	1·039	1·011	1·005	+·026	89	85	82	88	+ 1	7·8§	8·5§	8·2	+0·4		4	5	8	8	12	13	4	5	S 2° E	S 3° W	27	48	234	264	9·84	1·84	Saugor Island,†	
·937	·954	·960	·961	+·016	96	79	77	87	+ 1	7·9	7·9	7·9	+0·8	2	4	4	4	6	18	7	8	7	S 23° W	S 18° W	28	36	157°	204	7·61	1·57	False Point.	
·752	·759	·755	·772	+ 006	93	74	72	84	− 2	7·3	7·8	7·6	−0·8	3	9	6	7	8	11	1	2	13	N 45° E	S 46° E	12	8	144°	178	10·39	2·52	Hazaribagh.	Gangetic Plain and Chota Nagpur.
·870	·899	·885	·902	+·021	94	72	66	81	0	5·3	5·5	5·4	−0·1	3	4	10	11	4	2	5	14	7	N 12° W	N 15° W	13	13	101°	142	5·44	1·18	Allahabad	
·679	·767	·789	·765	+·053	90	78	76	86	+ 4	5·4	5·9	5·7	+0·9	10	24	3		1	4	6	4	8	N 26° W	N 76° W	42	20	28	24	11·71	3·75	Dehra Dun	Upper Sub-Himalayas.
·792	·841	·822	·838	+·056	94	76	67	84	+ 8	4·1	3·7	3·9	+0·3	13		4	2	21				20	N 70° E	S 15° W	10	7	83	46	8·58	4·46	Roorkee	
·765	·839	·832	·823	+·105	88	67	59	74	+13	2·2	1·8	2·0	+0·1	15	4	3	9	9	3	2	10	5	S 66° E	N 46° E	5	59	52°	50	8·69	4·43	Lahore	
·768	·852	·808	·825	+·063	88	76	63	80	+11	2·8	3·5	3·2	+0·2	3		2		14			27	14	N 87° W	N 44° W	47	13	43°	34	6·31	1·92	Ludhiana	
·676	·741	·689	·713	+·103	82	59	46	65	+ 8	2·2	2·1	2·2	+0·4	35	12	8	1			1		3	N 11° E	N 36° E	33	49	22°	67	0·63	0·60	Peshawar	Indus Valley and N.-W. Rajputana.
·808	·870	·729	·813	+·096	83	56	40	63	+ 7	0·2	0·1	0·2	−0·5	4		1	10	17	22	4	1	1	S 27° E	S 33° E	67	44	95°	70	0·18	0·18	Jacobabad	
·845	·888	·923	·900	+·045	86	70	71	80	0	4·2	4·4	4·3	+0·6							16	39	5	S 82° W	S166° W	91	87	280°	350	0·29	0·16	Kurrachee.	
·732	·762	·716	·754	+·062	86	65	53	73	+ 4	5·1	6·7	5·9	+1·4	1	7	5	5	1		4	10	27	N 41° W	N 42° W	59	43	110	101	2·99	1·28	Jaipur	East Rajputana, Central India, Gujarat.
·688	·753	·751	·745		88	71	69	79		6·3	6·8	6·6		8	3	1		2	4	16	18	8	S 77° W		57		80°		4·86	1·71	Udaipur	
·827	·857	·829	·852	+·115	88	76	64	82	+14	6·7	5·6	6·2	+1·3		5	2		1	5	23	16	8	S 74° W	S 72° W	62	53	162	199	7·92	2·73	Deesa	
·772	·806	·803	·805		90	68	66	78		4·0	3·2	3·6			1					21	28	10	S 82° W		84		210°		2·08	0·52	Jamnagar	
·617	·668	·671	·661	+·006	99	83	81	91	+ 3	8·1	7·3	7·7	+0·2	3	2					16	35	4	S 82° W	S 78° W	83	74	256§	377	5·91	2·59	Belgaum	Deccan.
·661	·685	·653	·674	+·007	87	65	54	71	− 1	7·3	7·9	7·6	−0·4		3	1				4	16	36	N 58° W	N 69° W	85	65	260°	202	2·82	0·79	Sholapur	
·734	·805	·790	·796	+·037	93	75	67	82	+ 5	7·0	7·5	7·3	+0·8	3	2					2	24	29	N 65° W	N 60° W	84	68	154°	156	2·49	0·64	Akola	
·647	·703	·695	·694	+·007	91	76	67	82	+ 1	8·8	7·3	8·1	+1·4		5					2	32	21	N 69° W	N 48° W	87	64	209°	194	4·26	1·15	Buldana	
·708	·785	·771	·775	+·014	88	80	69	83	+ 5	7·2	7·0	7·1	+1·2	2	5		1				11	41	N 49° W	N 63° W	87	67	156°	154	11.23	5·26	Khandwa	
·749	·797	·781	·796	+·007	90	74	66	81	+ 2	5·4	6·3	5·9	−1·4	2	11	3			3	3	30	8	N 69° W	N 52° W	63	36	112°	127	3·99	1·31	Nagpur(Sanitary Commr.'s Office).	
·697	·713	·726	·728	−·027	89	69	64	77	− 4	5·8	7·2	6·5	−0·1	20		1					31	8	N 80° W	N 75° W	60	53	119°	134	3·79	2·09	Hyderabad (Deccan).	
·825	·889	·859	·865	−·007	88	82	78	84	− 2	6·1	6·3	6·2	−0·7		2	1	1	3	3	11	30	9	S 85° W	N 84° W	68	52	235	259	3·98	1·55	Bombay	West Coast.
7·69	·867	·865	·841	+·017	92	88	84	90	+ 2	4·3	5·1	4·7	−1·1	1	5					1	40	13	N 75° W	N 78° W	86	77	79	70	8·68	1·22	Karwar.	

§ Mean of 29 days.

* Corrected.

† Wind observation 1 less.
‡ Wind variable 1.

Ta

Abstract of Observations recorded at 10 h. and 16 h., a

Meteorological Province.	Station.	Elevation of barometer cistern above sea-level, in feet.	Pressure. Mean of 10 h.	Mean of 16 h.	Mean daily range.	Mean of daily mean pressures.	Departure from normal.	Mean reduced to S. L. and gravity 45° Lat.	Temperature of Air. Mean maximum.	Mean minimum.	Mean daily range.	Highest maximum.	Lowest minimum.	Absolute range.	Mean 10 h.	Mean 16 h.	Mean of daily means.	Departure, from normal.	Temperature, Wet Mean minimum.	Mean 10 h.	Mean 16 h.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
South India.	Periyakulam	944	28·928	28·795	·133	28·862		29·732	92·0	70·3	21·7	96·3	64·9	31·4	83·7	88·0	81·3		68·0	71·8	73·2
	Salem	940	·958	·826	·132	·904	−·011	·774	90·7	73·1	17·6	95·2	68·1	27·1	83·0	88·3	79·8	+0·3	70·5	74·7	77·3
	Chitaldroog	2,405	27·493	27·388	·105	27·450	+·002	·778	81·4	67·2	14·2	85·9	63·9	22·0	74·8	78·6	72·5	−1·2	65·1	68·9	70·1
	Bangalore	3,021	26·915	26·805	·110	26·868	−·006	·778	80·0	65·0	15·0	84·7	59·2	25·5	73·5	78·2	70·7	−1·1	64·2	68·5	70·5
	Hassan	3,091	·867	·772	·095	·828	+·015	·815	79·9	63·3	16·6	84·8	56·8	28·0	73·9	74·4	69·8	−0·4	62·8	68·5	68·9
	Mysore	2,518	27·417	27·307	·110	27·370	−·001	·805	81·6	65·2	16·4	87·0	59·[illegible]	27·7	76·2	78·3	71·6	−2·1	64·3	68·7	70·2
	Pudukkottai	318	29·554	29·421	·133	29·488		·732	96·1	75·5	20·6	100·3	70·5	29·8	87·4	92·5	85·8		70·1	73·7	75·2
	Madras	22	·615	·699	·116	·766	−·011	·719	92·9	77·5	15·4	99·4	72·3	27·1	86·7	88·0	84·1	+0·2	74·9	78·7	79·7
	Bellary	1,475	28·382	28·260	·122	28·330	−·015	·740	89·6	72·2	17·4	96·2	67·5	28·7	81·6	84·9	79·4	−0·8	68·5	71·2	72·1
	Waltair	*226*	29·527	29·422	·105	29·478	−·023	·642	90·1	78·3	11·8	95·9	73·1	22·8	86·8	86·1	83·1	+0·6	74·0	77·6	78·5
Hill Station, Baluchistan.	Quetta	5,502	24·586	24·506	·080	24·538	−·021	24·498	85·4	51·2	34·2	90·5	39·8	50·7	77·0	82·9	68·0	+0·9	47·3	56·6	57·7
Hill Stations, Northern India.	Leh	11,503	19·736	19·636‖	·100	19·688	+·005	19·658‖	69·5‡	44·2§	25·3	81·3	35·9	45·4	59·8§	67·1§	54·7‡	+1·0	39·3§	48·1§	51·6‡
	Srinagar	5,204	24·822	24·728	·094	24·771	−·029	24·746	80·2	56·5	23·7	90·3	47·5	42·8	68·9	78·0	66·1	+2·1	54·5	64·5	71·7
	Sarain		23·134	23·072	·062	23·096			69·1	52·8	16·3	74·0	47·4	26·6	64·2†	65·0	60·6			58·3	59·3
	Kalabagh		20·158	20·113	·045	20·129			55·3	46·7	8·6	61·5	40·0	21·5	52·5	52·5	50·6			48·3	49·5
	Simla (Ridge)	7,224	23·090	23·038	·052	23·056	−·031	23·018	65·2	57·0	8·2	70·9	52·1	18·8	61·8	62·8	60·8	−0·1	54·0	58·1	59·9
	Chakrata	7,022	·255	·215†	·040	·229	−·011	·190†	68·5	58·1	10·4	73·3	55·0	18·3	64·0	64·6	62·9	+0·4	57·0	61·9	62·6
	Muktesar	7,600	22·817†	22·751†	·066	22·776		22·734‖	67·6	56·8	10·8	74·3	53·3	21·0	62·7	64·1	61·8		54·7‖	59·8	61·2
	Katmandu	4,388	25·555	25·453	·102	25·501	−·022**	25·456	84·0	67·1	16·9	88·2	62·9	25·3	77·6	79·5	75·2	+2·0**	65·2	70·5	71·6
	Darjeeling	7,376	23·011	22·974	·037	22·990	−·014	22·944	67·4	56·9	10·5	73·4	54·2	19·2	64·7	65·6	61·8	+2·4	56·2	62·7	63·8
Hill Stations, C. India.	Mount Abu	3,945	25·972	25·907	·065	25·939	−·029	25·890	71·9	64·4	7·5	76·7	61·4	15·3	69·1	69·7	67·7	−1·9	63·0	66·0	66·4
	Pachmarhi	3,526	26·352	26·274†	·078	26·313	−·025	26·262†	75·7‖	65·7†	10·0	80·7	61·3	19·4	71·2	73·7†	70·3‖	−1·1	64·0	68·2	68·9†
	Chikalda	3,642	·249	·161	·088	·205	−·025	·149	73·5	64·7	8·8	79·3	63·4	15·9	69·1	71·7	68·7	−1·0	64·1	67·6	69·2
Hill Stations, S. India.	Kodaikanal	7,688	22·818	22·749	·069	22·784		22·719	62·8	51·4	11·4	67·1	47·6	19·5	59·7	58·1	57·1		48·0	54·7	55·8
	Ootacamund	*7,322*	23·026	·962	·064	·991		·927	62·8	49·8	13·0	67·2	43·7	23·5	59·5	58·4	55·9		47·8	54·3	54·4
	Dodabetta	8,539?	21·994	21·938	·056	21·966		21·903	56·4	46·8	9·6	65·2	42·5	21·7	54·4	53·0	51·6			51·0	47·5
Extra India.	Aden	94	29·754	29·635	·119	29·689	+·007	29·712	92·7	77·2	15·5	97·1	68·9	28·2	88·5	91·1	84·3	−2·9	64·7	79·2	77·3
	Perim	201	·647	·540	·107	·588	+·037	·719	95·3	85·1	10·2	100·3	82·2	18·1	91·4	92·8	89·5	+1·2	76·6	81·5	82·3
	Minicoy	7	·960	·900	·060	·936		·869	86·7			88·5			84·5	83·1				77·2	76·7
	Zanzibar	72	30·088	·971	·117	30·036	+·010**	30·035	82·2	73·6	8·6	85·8	71·3	14·5	77·1	81·1	77·2	+0·2	69·0	72·9	72·7
	Port Victoria (Seychelles).	15	·033	·945	·088	29·997	+·017**	29·936	80·4	74·9	5·5	83·0	71·5	11·5	78·7	79·4	76·3	−1·4**	69·7	73·4	73·6
	Mauritius (Pamplemousses).	181				30·090	−·004	30·131				79·9	54·1	25·8			67·7	−1·9			

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

† Mean of 29 days. ‡ Mean of 25 days. § Mean of 26 days. NOTE.—The barometric readings are not reduced to sea-level, in the

** Departures from old normal.

[—concluded.

tations in India, Burma, etc., for September, 1906—concluded.

Vapour Tension.					Humidity.					Cloud.				Wind direction.										Wind steadiness.		Wind velocity.		Rainfall.		Station.	Meteorological Province.
From minimum.	Mean 10 h.	Mean 16 h.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 h.	Mean 16 h.	Mean of daily means.	Departure from normal.	Mean 10 h.	Mean 16 h.	Mean of two previous columns.	Departure from normal.	Total number of 10 h. and 16 h. winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Mean wind direction.	Normal mean wind direction of month.	Average percentage.	Normal percentage.	Mean velocity in miles per diem.	Normal.	Total rainfall for the month.	Heaviest rainfall during the month.		
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
																									%	%						
852	·621	·624	·632		87	54	47	62		4·8	7·8	6·3		10	9	6	1	3	7	15	6	3	S 69° W		20		75*		1·11	0·72	Periyakulam	South India.
712	·752	·795	·764	0	88	66	60	74	− 2	6·1	7·0	6·6	+0·6	3	1	1				6	32	17	N 78° W	S 66° W	80	67	108*	82	2·23	0·88	Salem	
598	·634	·631	·623	0	89	74	65	79	+ 4	7·3	7·0	7·2	−0·5		1					14	26	19	N 85° W	N 89° W	84	75	196*	211	4·72	1·43	Chitaldroog	
592	·646	·660	·645	+·022	96	78	69	84	+ 4	7·8	7·8	7·8			1					9	36	14	N 85° W	S 84° W	89	83	190*	168	7·97	1·58	Bangalore	
570	·633	·644	·628	+·017	97	76	76	86	+ 5	8·1	8·7	8·4	+0·2	5	1	1				9	27	17	N 81° W	N 81° W	75	74	67*	84	4·55	1·20	Hassan	
593	·611	·642	·627	−·002	95	68	67	80	+ 3	8·3	8·8	8·6	+0·4	2	1	2				17	31	7	S 84° W	S 89° W	78	68	220*	240	2·34	0·80	Mysore	
569	·649	·643	·652		75	50	43	56		6·1	6·7	6·4		1	17	1			1	8	6	26	N 45° W		68		249*		0·38	0·18	Pudukkottai	
332	·876	·904	·881	+·033	88	69	69	78	+ 1	5·8	6·1	6·0	−0·3	1		2	4	6	3	6	27	11	S 86° W	S 36° W	43	53	130	144	6·27	3·71	Madras	
358	·635	·628	·651	−·003	83	59	54	68	+ 3	5·8	6·9	6·4	−1·5	2	4					7	34	13	N 80° W	N 75° W	82	73	187*	221	3·53	0·86	Bellary	
784	·825	·871	·838	−·035	81	65	70	74	− 1	7·2	7·7	7·5	+0·9	3		2	5	2	13	24	11		S 34° W	S 40° W	60	52	149*		4·81	1·89	Waltair	
256	·251	·219	·257	+·005	76	27	19	42	+ 3	0·3	0·3	0·3	−0·2	53							3	4	N 62° W	N 60° W	10	40	88*	53	0	0	Quetta	Hill Station, Baluchistan.
2058	·242§	·259‡	·238	+·063	69§	47§	40‡	55	+11	3·3	3·7	3·5	−0·8		1	2		4	19	18	16		S 38° W	S 66° W	67	42	58	46	0·88	0·46	Leh	Hill Stations, Northern India.
112	·571	·725	·539	+·041	88	79	74	80	0	3·3	3·4	3·4	+0·1	24	3	1		10	5		5	12	N 89° W	N 33° W	10	17	37*	79	2·85	2·00	Srinagar	
	·434†	·451				72†	73			5·0	5·4	5·2		32	1	1	1	1	15	3	5	1	S 19° W		27		§§ 17		16·18	4·33	Sarain	
	·307	·333				77	84			6·6	7·4	7·0		23	12	1	2	4		2	5	11	N 28° W		30		128*		20·82	4·72	Kalabagh	
933	·449	·488	·445	+·011	83	81	85	85	+ 5	5·1	7·1	6·1	+0·3	21	19	1	1	1	12	1	1	3	N 10° W	N 8° E	15	35	150*	98	12·02	2·31	Simla	
59	·534	·551	·515	+·046	93	89	90	93	+ 7	4·8	6·6	5·7	−0·5	21				14	25				S 15° E	S 63° W	60	36	114*	144	14·35	3·97	(Ridge), Chakrata	
070	·482	·514	·470		87‖	85	85	88		7·8	8·0	7·9		9	1	6	6	8	5	3	22		S 48° W		18		165*		9·29	2·62	Muktesar	
01	·663	·686	·652	+·019	90	70	68	78	− 3	4·4	5·1	4·8	−1·5	3		3	19	1		5	26	3	W	N 87° W	17	11	13	17	4·29	0·82	Katmandu	
51	·549	·579	·528	+·048	96	90	91	94	− 2	6·7	7·7	7·2	−1·1	10	1	6	2	12	2	11	6	10	S 46° W	S 85° E	13	39	76*	99	9·14	1·86	Darjeeling	
82	·606	·613	·605	+·046	92	85	85	91	+10	7·7	7·1	7·4	+1·9		1	1			5	25	14	13	S 73° W	S 66° W	70	40	202*	190	25·66	7·84	Mount Abu	
80	·654	·652†	·641	+·002	91†	86	80†	90	+ 4	8·0†	7·4‖	7·7	+0·5		3	4	1	1		9	13	28	N 29° W	N 60° W	64	44	186*	149	16·69	4·56	Pachmarhi‡‡	Hill Stations, C. India.
96	·659	·682	·658	+·015	97	93	89	97	+ 5	8·4	7·9	8·2	+0·8	1	30	5				1		23	N 15° W	N 21° W	85	62	205*	242	9·67	1·86	Chikalda	
13	·382	·424	·370		80	75	87	81		5·4	8·5	7·0		1	10	4	1	2	1	1	10	30	N 41° W		68		342		4·93	0·98	Kodaikanal.	
13	·371	·385	·348		87	73	79	80		6·8	8·4	7·6		2	5	3	3	3		5	31	8	S 78° W		57		119*		4·60	1·23	Ootacamund	Hill Stations, S. India.
	·342	·352				81	87			7·8	9·2	8·5			10	6	2		1	11	19	11	N 65° W		52		541		3·35	0·73	Dodabetta.	
71	·363	·754	·711	−·148	47	62	52	55	−11	3·9	2·7	3·3	+0·9 **		1	4	9	26	4	12	2	2	S 36° E	S 24° E	52	53	¶ 188*	230	0	0	Aden	Extra India
14	·947	·964	·920	+·011	67	64	63	66	− 1	1·6	2·1	1·9	−0·9		7	4	1	17	12	1	2	16	S 27° E	N 23° E	7	25	239*	288	0·02	0·01	Perim	
	·837	·832				71	74			3·7	3·9	3·8									11	49	N 53° W		95		196*		1·02	0·36	Minicoy	
0	·753	·694	·714	−·024	78	81	65	76	− 2	4·4	5·1	4·8	0 **	2	6	5	1	10	17	16	2	1	S 85° W	S 6° E	42	62	122*	134	1·24	0·56	Zanzibar	
1	·758	·751	·730	−·037	76	77	75	78	− 2	4·5	4·6	4·6	−1·0	7		2	3	43	3	2			S 45° E	S 40° E	78	87	253	288	0·96	0·65	Port Victoria (Seychelles)	
			·491	−·031				73	+ 1			6·7	+1·1										S 60° E	S 72° E			251	288	1·78	0·37	Mauritius. (Pamplemouses).	

‖ Mean of 28 days. * Corrected. ‡‡ Wind observation 1 less.

¶ Mean of 28½ days. †† Mean of three previous columns.

§§ „ „ 17½ „

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

G. I. C P. O.—No. 66 Meteo.—5-4-07.—385.—A.M.

TABLE I.—Abstract of Observations taken at 8 h., at 231 Stations in India, Burma, etc., in September, 1906.

Tabl

Abstract of Observations taken at 8 h., at 23

Number of rainfall division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 h., in inches.								Temperature of air.												
			Mean 8 h. pressure reduced to 32°.	Departure from normal.	Mean 8 h. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 h. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	I.—Burma Coast and Bay Islands.			—·028								85·6	0	76·6	+1·0	81·1	+0·5	9·0					15·5
1	Car Nicobar	25	29·846		29·798	29·942	30th	29·792	24th	·150	82·2	87·3		77·8		82·6		9·5	90·1	29th	74·6	13th & 14th.	15·
	Slipper Island	90	29·729		29·753	29·837	30th	29·632	24th	·205	80·9	84·5		77·1		80·8		7·4	87·1	14th & 19th.	73·6	3rd	13·
	Port Blair	61	29·793	—·025	29·785	29·887	30th	29·717	24th	·170	79·5	85·1	0	77·4	+0·9	81·3	+0·5	7·7	88·2	13th	75·0	20th	13·
	Mergui	96	29·790	—·019	29·817	29·861	30th	29·693	25th	·168	78·3	85·0	+0·6	74·6	+2·4	79·8	+1·5	10·4	90·9	11th	72·4	1st	18·
	Tavoy	19	29·870	—·024	29·822	29·955	27th	29·794	25th	·161	77·4	84·0	0	75·0	+1·3	79·5	+0·7	9·0	88·5	15th	72·8	27th	15·
	Moulmein	94	29·761	—·018	29·793	29·853	27th	29·670	25th	·183	77·6	84·0	−0·8	75·0	+0·5	79·5	−0·2	9·0	88·5	30th	72·8	4th & 5th.	15·
2	Rangoon	36	29·795	—·033	29·768	29·883	28th	29·712	10th	·171	79·7	85·2	−0·5	76·7	+0·8	81·0	+0·2	8·5	89·6	30th	73·9	24th	15·
	Bassein	27?	29·790	—·026	29·755	29·884	29th	29·688	10th	·196	78·8	85·7	+0·2	76·6	+0·8	81·2	+0·5	9·1	89·2	20th & 22nd.	74·4	27th	14·
	Diamond Island	41	29·773	—·039	29·749	29·880	30th	29·675	10th	·205	81·4	84·8	0	77·3	+1·5	81·1	+0·8	7·5	87·4	21st	74·2	9th, & 10th.	13·
5	Akyab	20	29·754	—·044	29·717	29·879	14th	29·601	10th	·278	80·0	85·6	−1·0	77·8	−0·2	81·7	−0·6	7·8	90·9	9th	75·2	15th, 14th & 27th.	15·
3	Toungoo	183	29·634	—·028	29·759	29·735	28th	29·488	26th	·247	80·2	90·2	+1·2	76·7	+1·1	83·4	+1·2	13·5	93·4	16th	74·6	5th & 27th.	18·
	II.—Burma Inland.			—·041								91·0	−0·2	76·6	+0·6	83·8	+0·2	14·4					23·9
3	Thayetmyo	121	29·674	—·036	29·737	29·779	29th	29·547	26th	·232	80·8	90·7	+0·8	76·3	+0·3	83·5	+0·6	14·4	95·5	16th	72·4	26th	23·1
4	Minbu	*165*	29·614	—·052	29·724	29·719	29th	29·489	26th	·230	79·5	89·4	−1·5	76·6	−0·3	83·0	−0·9	12·8	94·2	1st	72·6	16th	21·6
	Yamethin	657	29·133	—·052	29·744	29·237	28th	28·986	26th	·251	78·6	90·2	−1·5	74·8	0	82·5	−0·8	15·4	93·8	1st	72·2	27th	21·6
	Monywa	*280*	29·534?		29·753?	29·632	29th	29·390	26th	·242	81·3	91·0		78·2		84·6		12·8	98·8	1st	74·1	27th	24·7
	Mandalay	250	29·535	—·039	29·734	29·633	29th	29·361	26th	·272	81·6	92·9	+0·1	79·1	+2·2	86·0	+1·2	13·8	101·6	1st	74·8	27th	26·8
	Myitkyina	458	29·308		29·726	29·377	14th	29·224	26th	·153	78·9	91·6		75·7		83·7		15·9	98·7	1st	72·1	18th	26·6
	Bhamo	*381*	29·409	—·027	29·746	29·497	29th	29·308	10th	·189	79·3	91·2	+1·1	75·5	+1·0	83·4	+1·1	15·7	95·9	2nd & 16th.	73·1	29th & 30th.	22·8
4(a)	Maymyo	3,545	26·370		26·315	26·459	28th	26·255	26th	·204	71·4	78·4		67·3		72·9		11·1	84·9	11th	63·6	28th	21·3
	Lashio	*2,751*	27·027	—·051	26·973	27·112	28th	26·929	26th	·183	72·4	83·9	−0·9	68·6	+0·8	76·3	−0·1	15·3	89·5	1st	65·0	30th	24·5
	III.—Assam.			—·047								89·7	+2·0	77·4	+1·1	83·6	+1·6	12·3					21·9
7	Silchar	104	29·659	—·044	29·716	29·781	14th	29·526	11th	·255	81·1	92·1	+2·3	77·1	+0·7	84·6	+1·5	15·0	99·1	26th	74·3	18th	24·8
9	Sibsagar	333	29·447	—·033	29·737	29·529	15th	29·334	10th	·195	79·3	88·1	0	77·2	+1·0	82·7	+0·5	10·9	92·6	12th, 23rd & 27th.	74·2	28th	18·4
	Dhubri	115	29·605	—·064	29·675	29·719	14th	29·485	11th	·234	82·0	88·9	+3·8	78·7	+1·7	83·8	+2·8	10·2	95·2	27th	73·7	28th & 30th.	21·5
	Gauhati	195	29·564		29·714	29·659	14th	29·442	10th	·217	80·2	91·6		77·6		84·6		14·0	96·5	27th	74·5	29th & 30th.	22·0
	Tezpur	252	29·506		29·717	29·609	29th	29·394	11th	·215	80·3	89·2		77·5		83·4		11·7	95·6	27th	74·4	28th & 29th.	21·2
	Dibrugarh	353	29·411		29·722	29·502	15th	29·296	10th	·206	79·5	88·4		76·1		82·3		12·3	93·9	26th	70·5	3rd	23·4
	IV.—Bengal and Orissa.			—·039								89·6	+1·2	78·7	+0·8	84·2	+1·0	10·9					18·9
6	Chittagong	87	29·668	—·047	29·703	29·789	14th	29·533	10th	·256	80·1	87·3	+0·5	76·6	+0·3	82·0	+0·4	10·7	90·1	2nd, 25th & 26th.	73·4	29th	16·7
	Noakhali	43	29·705		29·695	29·820	14th	29·576	10th	·244	81·2	86·2		77·7		82·0		8·5	89·8	2nd, 16th & 27th.	73·9	27th & 28th.	15·9
	Comilla	36	29·708		29·692	29·829	14th	29·566	11th	·263	80·9	89·4		77·2		83·3		12·2	91·3	2nd, 26th & 27th.	74·3	28th & 30th.	20·0
	Sirajganj	49									82·1	88·7		79·3		84·0		9·4	95·3	27th	73·2	27th	22·1
	Narayanganj	26	29·719	—·032	29·693	29·836	14th	29·592	11th	·244	82·0	88·9	+0·4	79·2	+0·3	84·1	+0·4	9·7	92·5	26th & 27th.	74·8	27th	17·7
	Barisal	12	29·722	—·046	29·680	29·852	15th	29·577	11th	·275	82·3	87·9	−0·6	78·4	+0·1	83·1	−0·3	9·5	92·3	2nd & 27th.	75·1	28th	17·2
	Mymensingh	63	29·682§	—·045	29·695	29·801	14th	29·549	11th	·252	82·4	89·8‖	+2·7‖	78·6	+1·1	84·2‖	+1·9‖	11·2	96·2	27th	74·1	30th	22·1
	Faridpur	46	29·684		29·680	29·809	15th	29·553	11th	·256	82·8	88·0		78·9§		83·6§		9·1	92·3	27th	72·9	27th	19·4
	Jessore	33	29·683	—·050	29·663	29·817	15th	29·535	11th	·282	82·6	89·0	−0·4	78·3	−0·2	83·7	−0·3	10·7	94·0	2nd & 27th, 4 days	74·7	27th	19·3
	Calcutta (Alipore)	21	29·693	—·041	29·660	29·833	15th	29·561	11th	·272	82·2	88·0	+0·3	78·6	+0·6	83·3	+0·5	9·4	92·4	4 days	75·4	13th	17·0
	Saugor Island	25	29·688	—·034	29·657	29·835	15th	29·559	12th	·276	83·5	89·0	+0·8	80·6	+0·9	84·8	+0·9	8·2	92·4	24th	78·1	20th	14·3

§ Mean of 29 days. ‖ Mean of 28 days.

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

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

Note 2.—The data from which divisional means of the figure

Note 3.—The barometric readings are not reduced to sea-level, in the cases of hill or plateau stations, the elevations of which exceed 3,100 feet.

I.

Stations in India, Burma, etc., in September, 1906.

Wind Direction. Number of winds from Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	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 h. Mean humidity at 8 h.	Departure from normal.	Mean vapour tension at 8 h.	Departure from normal.	Cloud. Mean cloud amount at 8 h.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 30th September, 1906.	Normal rainfall for period, 1st May to 30th September	Departure from normal of period, 1st May to 30th September, 1906.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
														92	+1	·928	+·017	7·9	0				21·91	21·08	+3·32					I.—Burma Coast and Bay Islands.
1					2	12	10		S 60° W	4·2			4·2	85		·930		10·0		10			10·38			50·19			2·72	Car Nicobar.(a)
3					4	13	8	2	S 57° W	19·7			20·1	95		·996		9·3		16			11·05			58·72			1·48	Slipper Island.
1						13	15	1	S 71° W	9·4	9·3	+ 1		89	− 1	·899	−·026	7·7	−0·4	15			6·46	19·42	−12·96	79·61	84·90	− 5·29	0·81	Port Blair.
26				2			1	1	S 23° W	1·4	1·5	− 7	1·2	94	+ 2	·901	+·043	4·8	−2·3	26	23·40	+2·60	29·37	28·07	+1·30	146·50	139·09	+ 7·41	3·60	Mergui.
29					1				S 45° W	1·1				93	0	·889	+·023	6·0	−1·5	22	24·10	−2·10	29·45	31·88	−2·43	176·34	191·93	−15·59	6·16	Tavoy.
15			3	8	3	1			S 41° E	3·1	2·8	+11	3·4	94	+ 2	·892	+·012	8·9	+1·7	22	21·90	+0·10	38·43	27·52	+10·91	172·54	169·89	+ 2·65	7·43	Moulmein.
16					9	3	2		S 20° W	3·3*	3·8	−13	3·0*	91	− 3	·914	−·001	8·6	+1·6	22	19·70	+2·30	19·03	15·84	+3·19	72·02	85·41	−13·39	3·54	Rangoon.
9			1	4	3	3	4	1	S 14° W	4·9	3·4	+44		96	+ 3	·947	+·025	8·4	+1·5	23	20·80	+2·20	15·53	15·89	−0·36	73·21	98·24	−25·03	1·85	Bassein.
3			1		2	19	3	2	S 51° W	7·7	6·8	+13	7·7	87	+ 1	·938	+·047	6·7	−0·7	20	18·90	+1·10	29·45	17·33	+12·12	107·05	100·18	+ 6·87	5·70	Diamond Island.
6	2	2	8	7	4			1	S 70° E	3·8	3·0	+27	3·6	95	+ 3	·975	+·016	8·3	+0·5	18	13·80	+4·20	41·01	22·18	+18·83	169·87	173·47	− 3·60	8·20	Akyab.
10			2	10	5	3			S 27° E	7·6†	2·8	+171	7·5†	89	− 2	·929	+·015	7·9	−0·3	19	17·50	+1·50	10·82	11·56	−0·74	51·91	68·56	−16·65	1·79	Tourgoo.
														88	+1	·906	+·019	7·1	+0·8				9·88	6·57	+2·22					II.—Burma Inland.
3				13	12	1			S 21° E	4·9†	4·7	+ 4		85	+ 1	·896	+·020	7·6	+0·1	11	11·70	−0·70	7·12	6·07	+1·05	36·17	29·84	+ 6·33	2·75	Thayetmyo.
			1	19	8	1	1		S 30° E	6·7			8·0	87	+ 2	·899	+·018	6·1	+0·5	14	9·30	+4·70	10·22	5·46	+4·76	30·90	25·45	+ 5·45	2·34	Minbu.
13	1			9	7				S 27° E	2·5			2·6	88	+ 1	·872	+·008	8·1	+4·1	10	10·30	−0·30	6·04	6·65	−0·61	22·68	28·19	− 5·51	1·36	Yamethin.
12				4	9	2	1	2	S 5° W	1·5†			1·6†	87		·931		7·7		13	8·90	+4·10	11·23	6·31	+4·92	25·59	22·34	+ 3·25	3·00	Monywa.
11	1	1	1	5	17	4			S 6° E	4·5			4·5	84	+1	·906	+·013	6·2	−0·1	9	8·80	+0·20	10·51	5·62	+4·89	27·12	24·00	+ 3·12	2·30	Mandalay.
3		13	14						N 69° E	3·9			4·0	83		·922		7·7		15			16·41			67·91			3·75	Myitkyina.
25		3			1	1			N 72° E	12·0‡			14·0‡	91	+ 1	·915	+·036	6·2	−0·4	10	11·50	−1·50	7·60	9·31	−1·71	69·34	65·05	+ 4·29	1·59	Bhamo.
16		3		1		9	1		S 43° W	1·5†				90		·695		7·6		13	15·20	−2·20	7·78	9·06	−1·28	39·79	44·24	− 4·45	1·22	Maymyo.
20	1	4	1			2		2	N 15° E	2·5				93	+ 1	·740	+·008	8·2	+0·2	18			12·18	6·92	+5·26	47·18	51·30	− 4·12	2·23	Lashio.
														90	−1	·937	+·025	6·8	−1·4				9·17	11·92	−2·75					III.—Assam.
30									None	0†	2·7	−100	0†	89	+ 1	·947	+·023	6·1	−2·6	10	15·30	−5·30	9·87	13·95	−4·08	82·85	91·87	− 9·02	3·38	Silchar.
10		6	1		3	5		5	N 56° W	1·8	2·5	−28	1·6	93	− 2	·925	−·006	8·1	−0·6	14	14·50	−0·50	8·11	11·95	−3·84	80·14	71·82	+ 8·32	2·70	Sibsagar.
11	1	4	13	2	5	3	1		S 71° E	6·1	3·2	+91	6·5	89	− 3	·970	+·059	6·5	−1·0	10	11·90	−1·90	11·58	14·61	−3·03	110·96	81·99	+18·97	8·04	Dhubri.
12	2	4	2	3	5	1	1		S 60° E	2·0			2·2	87		·943		6·5		9	10·00	−1·00	8·90	7·49	+1·41	52·28	49·86	+ 2·42	3·97	Gauhati.
28			2						E	1·8			1·9	91		·924		6·8		16	12·50	+3·50	9·63	8·58	+1·05	53·67	57·04	− 3·37	2·88	Tezpur.
28		1	1						N 66° E	0			0	90		·914		6·9		10	14·90	−4·90	6·91	14·91	−8·00	65·77	88·79	−23·02	2·31	Dibrugarh.
														87	0	·966	+·017	5·6	−0·8				11·17	11·33	−0·15					IV.—Bengal and Orissa
		4	6	13	5	1		1	S 57° E	5·4	4·5	+20	5·0	90	+ 2	·920	−·007	7·6	+0·3	12	13·06	−1·06	13·71	11·08	+2·63	101·28	79·95	+21·33	4·29	Chittagong.
1		2	6	10		1			S 67° E	3·8			4·1	89		·949		6·1		23	15·48	+7·52	24·45	15·54	+8·91	107·17	94·92	+12·25	5·18	Noakhali.
2			2	13	3				S 43° E	3·9			3·3	90		·952		4·2		16	13·28	+2·72	22·60	11·11	+11·49	87·71	72·88	+14·83	11·50	Comilla.
23			5	1				1	E	2·3			2·2	88		·981		6·0		11	11·61	−0·61	17·64	9·08	+8·56	64·17	50·76	+13·41	9·83	Sirajganj.
4	1	4	2	7	5	2	2	3	S 50° E	5·1	4·6	+11	4·4	89	+ 1	·968	−·003	7·9	+0·1	20	11·83	+8·17	16·74	8·57	+8·17	62·19	54·97	+ 7·22	5·13	Narayanganj.
11		1		4	3			1	S 37° E	1·8			1·6	91	+ 3	1·003	+·026	5·4	−1·8	18	14·35	+3·65	13·99	10·74	+3·25	57·97	62·26	− 4·29	2·75	Barisal.
12			5	7	4			1	S 48° E	2·4‖			2·1‖	87	− 4	·975	+·008	7·3	+0·2	14	15·03	−1·03	27·38	12·83	+14·55	98·12	72·81	+25·32	9·41	Mymensingh.
8	3		2	5	10		2		S 26° E	3·5			3·0	87		·987		5·0		13	11·78	+1·22	10·99	9·09	+1·90	55·80	54·69	+ 1·11	1·95	Faridpur.
13				2	3	1	1		S 4° W	1·2	3·4	−65	1·2	89	− 1	·996	−·005	4·1	−3·0	16	11·34	+4·06	11·67	8·28	+3·39	47·69	51·35	− 3·66	1·63	Jessore.
22	2	5	6	4	2	4	4	1	S 79° E	3·1	4·5	−31		91	+ 4	·991	+·037	7·5	+0·8	13	13·38	−0·38	8·30	8·91	−0·61	39·49	50·59	−11·10	1·46	Calcutta (Alipore.)
	1	6	3	3	4	5	4	4	S 27° W	9·5	10·1	− 6		90	+ 2	1·023	+·039	7·8	−0·4	16	13·29	+2·71	9·84	11·30	−1·46	38·77	58·04	−19·27	1·84	Saugor Island.

e data for that station, are not utilized in calculating the provincial departures from normal.
olumns Nos. 40, 42 and 44, are derived, are incomplete.

(a) Wind observations 5 less.

* Mean of 27 days. † „ „ 29 „ ‡ Mean of 23 days.

Table

Abstract of Observations taken at 8 h., at 231 Stations

Number of rainfall division.	Station.	Elevation of barometer above sea-level in feet.	Pressure, 8 h., in inches.								Temperature of air.												
			Mean 8 h. pressure reduced to 32°.	Departure from normal.	Mean 8 h. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 h. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
10	Krishnagar	47	29·667		29·663	29·808	14th	29·535	11th	·273	82·6	90·1		78·9		84·5		11·2	94·6	23rd & 27th,	75·0	27th & 28th,	19·6
	Midnapore	149	29·556		29·652	29·698	15th	29·352	12th	·346	82·5	89·4		79·5		84·5		9·9	93·3	3rd	75·7	12th & 13th.	17·6
11	Bankura	313	29·391		29·654	29·528	15th	29·203	12th	·325	82·8	90·4		79·0		84·7		11·4	95·1	2nd	76·2	13th	18·9
	Raniganj	334	29·383		29·670	29·522	15th	29·217	12th	·305	81·1	90·4		78·1		84·3		12·3	93·5	1st, 2nd & 24th,	75·9	10th, 14th & 30th.	17·6
	Burdwan	99	29·616	—·046	29·663	29·754	15th	29·485	11th	·269	82·8	90·9	+1·2	79·5	+0·6	85·2	+0·9	11·4	94·9	17th & 23rd,	74·8	30th	20·1
	Naya Dumka	489	29·226		29·672	29·345	15th	29·073	12th	·272	81·5	90·2		77·4		83·8		12·8	94·5	2nd	74·4	28th	20·1
	Berhampore	67	29·651	—·042	29·668	29·778	15th	29·522	11th	·256	82·8	89·9	+1·0	79·2	+0·7	84·6	+0·9	10·7	93·8	2nd	73·7	27th	20·1
	Rampur Boalia	70	29·651		29·671	29·779	15th	29·523	11th	·256	83·0	89·3		78·9		84·1		10·4	92·1	7 days	73·6	27th	18·5
	Malda	72	29·629		29·653	29·760	14th	29·499	11th	·261	83·7	90·5		79·8		85·1		10·7	94·1	3rd	75·1	28th	19·0
	Bogra	75	29·616	—·054	29·673	29·764	14th	29·512	29th	·252	82·8	90·3	+1·9	78·9	+1·4	84·6	+1·7	11·4	96·2	27th	75·2	27th, 28th & 29th.	21·0
12	Dinajpur	123	29·603	—·037	29·681	29·709	14th	29·488	11th	·221	82·9	91·3	+3·1	78·5	+1·1	84·9	+2·1	12·8	95·8	27th	73·5	30th	22·3
	Rangpur	123	29·610		29·688	29·721	14th	29·491	11th	·230	83·4	90·9		79·3		85·1		11·6	95·6	27th	75·1	29th & 30th,	20·5
	Jalpaiguri	284	29·449	—·044	29·691	29·551	14th	29·337	11th	·214	81·4	90·8	+3·6	77·5	+2·2	84·2	+2·9	13·3	94·9	27th	73·6	30th	21·3
	Cooch Behar	156	29·585		29·695	29·694	14th	29·462	11th	·232	82·4	91·5		78·3		84·9		13·2	96·4	27th	73·6	30th	22·8
17	Purnea	125	29·600	—·032	29·679	29·708	15th	29·474	11th	·234	83·5	90·9	+2·0	79·2	+1·8	85·1	+1·9	11·7	93·2	6 days	75·2	30th	18·0
14	Balasore	50	29·664	—·055	29·656	29·809	15th	29·474	12th	·335	82·2	89·5	+0·6	79·1	+1·1	84·3	+0·9	10·4	93·4	4 days	76·8	24th	16·6
	Angul	455	29·261		29·675	29·419	15th	29·126	12th	·293	80·9	88·9		77·1		83·0		11·8	93·1	24th	74·1	14th	19·0
	False Point	21	29·703	—·021	29·666	29·856	15th	29·555	12th	·301	82·4	88·6	+0·7	78·3	+0·2	83·5	+0·5	10·3	93·1	22nd & 24th,	74·6	13th	18·5
	Cuttack	80	29·639	—·022	29·663	29·786	15th	29·513	12th	·273	82·1	91·0	+0·8	79·1	+1·0	85·0	+0·9	11·9	94·4	2nd, 16th & 24th.	77·2	6 days	17·2
	Puri	24	29·706		29·669	29·861	15th	29·561	25th	·297	83·2	89·5		80·0		84·7		9·5	94·1	22nd	77·6	12th & 25th.	16·5
	V.—Gangetic Plain and Chota Nagpur.			—·031								90·7	+0·4	77·3	+0·4	84·0	+0·4	13·4					20·9
15	Hazaribagh	2,007	27·720	—·027	29·676	27·846	15th	27·571	12th	·275	76·7	85·4	+0·7	72·9	+0·7	79·2	+0·7	12·5	88·7	23rd	70·3	19th	18·4
	Ranchi	2,128	27·610?	?	29·685?	27·744	15th	27·429	12th	·315	75·9	85·0	+0·6	72·8	+1·1	78·9	+0·9	12·2	88·7	3rd	70·4	19th	18·3
	Daltonganj	*730*	28·973		29·663	29·113	15th	28·836	11th	·277	78·5	90·8		75·3		83·1		15·5	94·1	23rd	72·0	19th	22·1
	Purulia	*816*	28·897		29·660	29·039	15th	28·666	12th	·373	80·3	90·2		77·2		83·8		13·0	93·5	2nd	75·4	13th & 14th,	18·1
	Chaibassa	*760*	28·940	—·037	29·651	29·083	15th	28·712	1 th	341	80·4	89·7	−0·2	76·8	+0·7	83·3	+0·3	12·9	93·4	3rd	75·2	13th, 14th, & 20th.	18·2
16	Gaya	375	29·336	—·125	29·664	29·470	15th	29·216	11th	·254	82·2	91·9	+0·9	76·6	+0·8	85·3	+0·9	15·3	95·9	3rd & 24th.	71·9	30th	24·0
	Dehri	351	29·347		29·651	29·482	15th	29·220	11th	·262	82·9	91·3		78·3		84·8		13·0	95·3	23rd	74·0	30th	21·3
	Patna	183	29·528	—·035	29·664	29·648	15th	29·423	11th	·225	83·5	90·5	+0·6	75·3	+0·2	84·9	+0·4	11·2	94·5	3rd	76·2	3rd & 10th,	18·3
	Arrah	190	29·525		29·667	29·646	15th	29·398	11th	·248	82·5	91·4		78·6		85·0		12·8	95·4	25th	75·7	26th	19·7
	Buxar	239	29·465		29·660	29·608	15th	29·335	11th	·273	81·9	91·5		78·0		84·8		13·5	95·5	2nd & 24th,	75·1	9th, 26th & 30th.	20·4
17	Bhagalpur	160	29·564		29·675	29·681	15th	29·437	11th	·244	85·1	91·3		78·7		85·0		12·6	95·2	3rd	76·1	10th & 30th.	19·1
	Darbhanga	165	29·558	—·027	29·676	29·670	15th	29·427	10th	·243	83·4	91·3	+3·0	79·4	+0·6	85·4	+1·8	11·9	95·1	27th	75·8	9th & 30th.	19·3
	Pusa		29·548			29·661	15th	29·427	10th	·234	83·3	91·4		79·3		85·4		12·1	95·6	23th	76·1	9th & 30th.	19·5
	Muzaffarpur	178	29·540		29·673	29·655	15th	29·413	10th	·242	84·2	91·1		79·1		85·1		12·0	93·7	5 days,	76·5	19th	17·2
	Motihari	224	29·492		29·676	29·617	15th	29·360	10th	·257	82·2	92·1		78·5		85·4		13·6	95·9	25th	76·3	20th	19·6
	Chapra	181	29·516		29·651	29·642	15th	29·390	10th & 11th.	·252	83·2	91·3		78·6		84·9		12·7	94·4	4 days	74·6	26th	19·8
18	Benares	267	29·431	—·033	29·652	29·473	15th	29·274	13th	·299	82·9	91·2	+0·2	76·9	−0·5	84·1	−0·2	14·3	95·1	25th	72·7	24th	22·4
	Allahabad	309	29·382	—·040	29·646	29·537	15th	29·130	13th	·407	82·0	91·3	−0·2	76·9	0	84·1	−0·1	14·4	94·6	3rd	71·5	24th	23·1
22	Gorakhpur	257	29·446	—·031	29·660	29·587	15th	29·314	10th	·273	83·5	91·8	+1·3	77·7	0	84·8	+0·7	14·1	96·1	25th	75·0	26th	21·1
19	Lucknow	368	29·334	—·028	29·664	29·493	15th	29·184	13th	·309	81·4	91·7	−0·4	76·6	+0·1	84·2	−0·2	15·1	96·0	26th	71·1	25th	24·9
20	Bahraich	101	29·287	—·039	29·647	29·443	15th	29·154	10th	·289	83·3	92·5	+1·5	77·6	+1·4	85·1	+1·5	14·9	96·8	28th	74·0	24th	22·8

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

NOTE 2.—The data from which divisional means of the figure

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

I—*continued.*

in India, Burma, etc., in September, 1906—continued.

Wind Direction.										Wind Velocity.				Hygrometry, 8 h.				Cloud.		Rainfall.								
Number of winds from									Resultant direction.	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 h.	Departure from normal.	Mean vapour tension at 8 h.	Departure from normal.	Mean cloud amount at 8 h.	Departure from normal.	Number of rainy days.	Normal number of rain-days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 30th September, 1906.	Normal rainfall for period, 1st May to 30th September.	Departure from normal of period, 1st May to 30th September, 1906.	Heaviest rainfall during month.	Station
Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.																				
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
16		2	2	4	2		2	2	S 56° E	1·1			1·2	89		·995		5·6		10	10·45	− 0·45	6·61	7·97	− 1·36	36·80	45·01	− 8·21	2·51	Krishnagar.
5	7	5	1		3	1	2	6	N 10° W	2·4			2·0	86		·944		4·5		13	12·13	+ 0·87	6·65	9·39	− 2·74	42·62	50·66	− 8·04	1·79	Midnapore.
23		2		1			3	1	N 63° W	2·7			2·3	85		·944		5·0		14	12·53	+ 1·47	7·34	8·77	− 1·43	43·23	47·51	− 4·28	2·05	Bankura.
23			2	1	1		1	2	S 45° E	1·3			1·0	89		·957		4·8		9	11·61	− 2·61	6·16	7·60	− 1·44	33·00	48·46	−15·46	1·32	Raniganj.
21		1	3	2			2	1	E	1·7	3·1	− 45	1·7	88	+ 3	·982	+ ·052	5·7	−1·3	6	12·10	− 6·10	13·58	8·59	+ 4·99	54·83	48·59	+ 6·24	8·44	Burdwan.
22			5	2	1				S 72° E	2·2			1·8	87		·931		4·6		9	13·30	− 4·30	4·16	10·01	− 5·85	33·20	51·12	−17·92	1·15	Naya Dumka.
17		1	2	2	2	4	1	1	S 5° W	1·9	3·7	− 49	2·3	88	− 2	1·004	+ ·028	7·1	−0·3	15	15·48	+ 2·52	10·51	9·72	+ 0·79	43·07	46·89	− 3·82	2·33	Berhampore.
25		1	1	1		1		1	E	1·5			1·6	85		·968		4·3		16	13·26	+ 3·64	9·20	10·38	− 1·18	43·78	48·61	− 4·83	1·72	Rampur Boalia.
	1	7	3	3	1	5	3	7	N 14° W	?			?	86		·994		2·1		10	11·45	− 1·45	4·71	10·86	− 6·15	33·69	45·94	−12·25	1·04	Malda.
27			2			1			S 45° E	1·4			1·2	85	− 4	·946	− ·016	4·5	−2·5	11	12·10	− 1·10	14·23	12·11	+ 2·12	58·20	57·31	+ 0·89	6·08	Bogra.
7	2	6	5	1	1	3	1	4	N 39° E	3·0			2·8	86	− 4	·967	+ ·024	5·4	−1·4	12	12·56	− 0·56	5·62	14·00	− 8·38	58·54	64·01	− 5·47	1·74	Dinajpur.
6		7	5	5	1	4	1	1	S 77° E	2·2			2·0	84		·970		6·0		8	13·55	− 5·55	5·03	14·16	− 9·13	64·22	73·51	− 9·29	1·80	Rangpur.
18	1	3	3	2	2			1	S 79° E	1·1			1·4	90	− 1	·972	+ ·069	6·2	−0·8	11	14·75	− 3·75	11·67	20·03	− 8·36	120·52	113·18	+ 7·34	4·52	Jalpaiguri.
13		6	8	1		2			N 81° E	1·7			1·7	85		·943		5·7		9	14·34	− 5·34	12·16	21·12	− 9·66	168·27	115·23	+53·04	5·10	Cooch Behar.
4		9	5	4		4	1	3	N 69° E	3·1	2·0	+ 55	2·7	86	− 4	·992	+ ·058	4·2	−1·8	6	11·40	− 5·40	3·84	14·82	−11·28	57·21	58·57	− 1·36	1·53	Purnea.
6	7	1	1	1	3	3	1	7	N 41° W	3·3			2·4	81	− 4	·928	− ·046	6·1	− 0·9	16	13·87	+ 2·13	1·06	12·08	+ 5·98	43·64	52·39	− 8·75	2·43	Balasore.
	2		2	2	1	1	8	14	N 59° W	6·9			6·1	85		·902		4·6		12			10·64			38·93			2·55	Angul.
1	1			2	1	6	11	8	W	6·1	7·9	− 23	6·4	86	+ 1	·954	− ·006	7·6	+0·5	9	12·90	− 3·90	7·61	11·11	− 3·50	26·79	50·21	−23·42	1·57	False Point.
15		1	1	1	1	4	6	1	S 67° W	2·0	8·4	− 76		85	+ 3	·932	+ ·038	6·5	+0·3	12	13·00	− 1·00	7·67	8·97	− 2·30	37·07	49·69	−12·62	1·90	Cuttack.
8	11	1		1	1	6	1	1	N 36° W	9·0			8·4	85		·977		5·8		11	12·18	− 1·18	5·28	10·07	− 4·79	29·66	43·04	−13·38	0·77	Puri.
														84	0	·905	+ ·013	4·2	−0·7				5·64	7·22	−1·57					V.—Gangetic Plain and Chota Nagpur.
1	3	1	5	2	4	2	2	10	N 37° W	6·5	7·0	− 7	5·8	86	+ 2	·759	− ·006	6·3	−0·4	14	11·97	+ 2·03	10·39	8·88	+ 1·51	31·86	47·33	−15·47	2·52	Hazaribagh.
1	6	2	3	3	3	1	4	7	N 28° W	5·5			6·5	86	+ 3	·772	+ ·022	6·4	+0·7	12	13·06	− 1·66	9·51	9·01	+ 0·50	50·12	48·53	+ 1·59	2·39	Ranchi.
15		2	6	1	1	2	3		S 63° E	2·9			2·4	88		·870		4·4		13	10·48	+ 2·52	9·42	7·54	+ 1·88	46·07	39·30	+ 6·77	2·36	Daltonganj.
	3	6	5	1	1	1	7	6	N 13° W	3·5			2·8	89		·917		5·3		10	11·61	− 1·61	6·25	8·14	− 1·89	45·20	45·66	− 0·46	1·42	Purulia.
22	2	2	1				1	2	N	?				86	+ 1	·890	+ ·004	5·4	−0·4	9	12·00	− 3·00	5·23	7·36	− 2·13	35·79	44·32	− 8·53	1·70	Chaibassa.
6	1	11		1	1	1	9		N 9° W	3·8	2·3	+ 65	3·0	82	0	·906	+ ·020	4·9	−0·9	10	9·13	+ 0·87	8·62	6·98	+ 1·64	41·15	42·24	− 1·09	3·64	Gaya.
		1	9	3	4	5	8		S 2° E	6·6			5·9	82		·910		6·1		9	8·94	+ 0·06	7·30	6·46	+ 0·84	32·01	38·37	− 6·36	1·85	Dehri.
1	1	?	9	6			9	2	S 84° E	3·9	2·9	+ 34	4·4	84	+ 1	·962	+ ·032	4·7	−1·4	9	9·29	− 0·29	5·20	6·93	− 1·73	35·31	42·64	− 7·33	2·15	Patna.
9		6	4	4	2	1	3	1	S 82° E	1·5			1·5	83		·921		2·4		7	9·29	− 2·29	3·39	8·23	− 4·84	36·62	40·50	− 3·88	1·22	Arrah.
	1		15	2		4	7	1	S 63° E	4·8			4·5	85		·919		5·0		7	9·03	− 2·03	3·09	6·93	− 3·84	29·37	36·26	− 6·89	0·73	Buxar.
11		5	4	3	1	2	4		S 76° E	2·3			2·0	79		·953		4·6		4	9·39	− 5·39	4·15	8·43	− 4·33	32·87	43·03	−10·16	1·90	Bhagalpur.
19	2	4	3			1	1		N 45° E	2·6	3·6	−28	2·3	83	− 3	·957	+ ·016	2·6	−2·5	5	9·27	− 4·27	3·14	8·70	− 5·56	54·31	45·38	+ 8·93	1·24	Darbhanga.
6	3	1	16		1		3		N 78° E					83		·943		4·3		8			3·06			(a) 27·87			0·72	Pusa.
17			5	5			1	2	S 72° E	1·3				84		·985		1·5		6	8·94	− 2·34	3·67	8·17	− 4·50	54·78	40·36	+14·42	1·66	Muzaffarpur.
13		4	5	3			2	3	N 63° E	3·3			2·9	85		·925		2·7		6	8·97	− 2·97	2·04	9·62	− 7·58	66·53	45·89	+20·64	0·56	Motihari.
23			3		2		1		S 27° E	2·8			2·5	87		·989		2·0		5	8·35	− 3·35	3·54	7·22	− 3·68	38·81	35·99	+ 2·82	1·20	Chapra.
3		1	8	4		5	8	1	S 8° W	2·7	3·9	− 31	3·1	82	− 2	·929	+ ·020	4·8	−0·4	10	8·40	+ 1·60	6·31	6·03	+ 0·28	38·20	36·40	+ 1·80	2·58	Benares.
	1	6	6	1	1	3	8	4	N 26° W	5·0	5·3	− 6	4·2	80	0	·890	+ ·001	5·4	−0·1	11	7·40	+ 3·60	5·44	5·16	+ 0·28	26·99	36·05	− 9·06	1·18	Allahabad.
22		4	2				1	1	N 42° E	0	2·1	−100		79	− 5	·908	+ ·003	3·8	−0·7	6	8·60	− 2·60	2·15	8·08	− 5·93	41·91	45·50	− 3·59	0·81	Gorakhpur.
14		3	5	3			5		E	2·4	2·8	− 14	2·6	82	+ 1	·888	+ ·011	3·0	−1·9	10	8·10	+ 1·90	8·02	5·39	+ 2·63	46·50	35·47	+11·03	2·07	Lucknow.
7	4	1	9	3		1		5	N 54° E	3·3			3·1	79	− 3	·911	+ ·006	3·5	−0·5	3	7·40	− 4·40	2·51	6·58	− 4·07	38·59	43·12	− 5·13	1·34	Bahraich.

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

columns Nos. 40, 42 and 44 are derived, are incomplete.

* Total rainfall since 1st August, 1906.

Table

Abstract of Observations taken at 8 h., at 231 Stations

Number of rainfall division.	Station.	Elevation of barometer cistern above sea-level, in feet.	Pressure, 8 h. in inches.								Temperature of air.											
			Mean 8 h. pressure reduced to 32°.	Departure from normal.	Mean 8 h. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 h. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
21	Cawnpore	416	29·281	—·029	29·656	29·430	15th	29·101	13th	·329	81·6	91·1	−1·3	76·6	0	83·9	−0·7	14·5	94·9	3rd, 4th & 5th.	72·2	24th & 25th.	22·7
	Mainpuri	516	9·194	—·016	29·670	29·332	15th	28·068	13th & 14th.	·264	80·1	91·0	−2·1	76·3	+0·4	83·7	−0·9	14·7	98·8	5th	70·3	25th	28·5
	VI.—Upper Sub-Himalayas.			—·023								90·0	− 3·6	74·0	+ 0·5	82·0	− 1·6	16·0					28·0
24	Bareilly	568	29·124	—·027	29·654	29·270	15th	29·021	10th	·249													
	Dehra Dun	2,233	27·507	—·024	29·693	27·582	15th	27·389	10th	·193	74·2	84·2	− 0·1	70·5	+0·5	77·4	+0·2	13·7	90·5	28th	66·5	16th	24·0
	Roorkee	899	28·869	—·018	29·680	28·902	15th	28·692	10th	·210	78·0	88·2	−3·1	73·9	+0·6	81·1	−1·3	14·3	94·5	4th	68·4	24th	26·1
22	Meerut	738	28·957	—·026	29·662	29·029	20th	28·820	14th	·209	79·8	89·3	−2·5	74·7	+0·1	82·0	−1·2	14·6	96·6	4th	67·8	24th	28·8
26	Delhi	718	28·986	—·019	29·671	29·070	20th	28·832	14th	·238	80·1	90·3	−2·7	76·6	+ 0·4	83·5	−1·6	13·7	98·7	4th	72·1	24th	26·6
28	Lahore	702	28·984	—·021	29·658	29·075	16th	28·847	10th	·228	80·8	92·4	−6·5	75·0	+ 2·4	83·7	−2·1	17·4	97·9	8th	67·7	15th	30·2
27	Sirsa	662	29·036	—·019	29·666	29·139	22nd	28·917	14th	·222	81·3	95·1	−2·8	76·4	+0·7	85·8	−1·6	18·7	102·3	30th	71·1	15th	31·2
	Patiala	*818*	28·879		29·665	28·976	20th	28·748	10th	·228	79·6	89·3		73·9		81·7		15·4	95·5	28th	69·2	25th	26·3
29	Ludhiana	812	28·878	—·030	29·662	28·987	16th	28·758	10th	·229	78·9	90·3	− 4·6	74·8	0	82·6	− 2·3	15·5	97·0	28th	71·1	14th 18th & 24th.	25·9
	Sialkot	830	28·865	—·015	29·671	28·960	16th	28·726	10th	·234	79·0	90·4	− 5·3	73·9	+0·1	82·2	−2·6	16·5	95·6	28th	67·1	15th	28·5
	Ambala	892	28·797	—·030	29·661	28·880	20th	28·673	10th	·207	78·3	89·6	− 4·1	73·5	−0·4	81·6	−2·3	16·1	95·0	28th	68·0	24th	27·0
	Rawalpindi	1,674	28·040	—·028	29·694	28·190	16th	27·885	10th	·305	76·6	90·6	−3·0	70·2	+1·3	80·4	−0·9	20·4	96·4	27th	63·1	17th	33·3
	VII.—Indus Valley and North-West Rajputana.			—·020								96·2	− 1·8	76·8	+ 1·1	86·5	− 0·2	19·4					31·7
32	Peshawar	1,110	28·601	—·031	29·636	28·751	16th	28·454	10th	·297	79·5	94·2	−1·8	73·2	+ 3·1	83·7	+0·7	21·0	100·2	9th	65·4	17th	34·8
	D. I. Khan	590	29·095	—·025	29·637	29·212	16th	28·925	10th	·287	81·4	96·2	− 4·3	75·4	+ 0·5	85·8	−1·9	20·8	101·7	9th	67·6	22nd	34·1
31	Khushab	612	29·087	?	29·670	29·208	16th	28·934	10th	·274	82·6	96·7	−2·9	76·2	+0·4	86·5	−1·3	20·5	103·9	29th	62·9	16th	41·0
	Montgomery	558	29·126	—·016	29·650	29·224	20th	28·990	10th	·234	84·4	97·7	− 4·0	75·8	−0·3	86·8	−2·2	21·9	104·3	9th	67·0	15th	37·3
	Multan	420	29·213	—·029	29·626	29·339	22nd	29·107	10th & 11th.	·232	84·6	100·7	+ 0·4	78·7	+1·1	89·7	+0·8	22·0	105·9	8th	72·0	15th	33·9
47	Jacobabad	186	29·503	—·012	29·649	29·622	20th	29·313	10th	·309	81·6	103·0	− 0·5	78·8	+2·8	90·9	+1·2	24·2	108·4	7th & 8th.	71·7	23rd	36·7
	Hyderabad*	96	29·622	—·011	29·672	29·745	20th	29·431	11th	·314	83·6	97·3	− 0·2	78·0	+1·8	87·7	+0·8	19·3	102·1	15th	74·5	21st	27·6
	Kurrachee	30	29·724	—·026	29·705	29·851	30th	29·552	11th	·299	82·2	90·5	+ 1·7	78·8	+1·9	84·6	+1·8	11·7	92·4	14th	77·2	4 days	15·2
51	Bikaner	771	28·939	—·022	29·677	29·054	22nd	28·799	14th	·255	83·1	96·8	− 1·7	79·0	− 0·2	87·9	−1·0	17·8	102·1	28th, 29th & 30th.	72·5	15th	29·6
	Pachpadra	*380*	29·373	—·004	29·712	29·490	18th & 30th.	29·227	14th	·263	80·7	92·7	− 4·5	75·1	0	85·7	−2·3	17·6	100·1	28th	71·0	23rd	29·1
	Jodhpur	782	28·972		29·736	29·085	22nd	28·830	14th	·255	80·2	92·2		76·0		84·1		16·2	101·2	28th	72·3	26th	28·9
	VIII.—East Rajputana, Central India and Gujarat.			—·019								88·0	−2·4	74·8	+ 0·2	81·4	−1·1	13·2					22·3
50	Jaipur	1,431	28·317	—·026	29·711	28·435	16th	28·045	14th	·390	79·6	92·7	−1·5	74·3	+0·7	83·5	−0·4	18·4	99·2	30th	69·1	24th	30·1
	Kotah	819?	28·690		29·712	29·008	16th	28·661	14th	·347	80·4	89·1		76·5		82·8		12·6	94·5	30th	73·6	18th & 25th.	20·9
	Sambhar	1,254	28·482	—·017	29·703	28·591	22nd	28·242	14th	·349	79·4	91·9	−1·8	75·0	−0·1	83·4	−1·0	16·9	97·0	29th	68·5	24th	28·5
	Ajmer	1,611	28·153	—·014	29·724	28·266	22nd	27·944	14th	·322	79·5	88·4	−2·4	76·0	+ 2·4	82·2	0	12·4	95·9	29th	72·6	24th	23·3
	Udaipur	1,925	27·859		29·736	27·965	16th	27·705	14th	·260	77·5	85·5		72·1		78·8		13·4	90·0	29th	66·3	25th	23·7
46	Bhuj	395	29·391	—·006	29·741	29·515	30th	29·253	11th	·262	79·5	88·5	−3·6	74·8	+0·2	81·7	−1·7	13·7	91·6	4 days	71·0	22nd	20·6
	Jamnagar	61	29·735		29·741	29·863	30th	29·608	2nd	·255	79·7	87·6		74·7		81·1		12·9	91·0	26th & 29th.	71·7	19th	19·3
	Rajkot	429	29·381	—·003	29·765	29·502	30th	29·262	11th	·240	79·7	89·8	−1·6	72·5	+0·1	81·2	−0·8	17·3	92·9	24th	69·0	30th	23·9
	Veraval	*18*	29·812	—·010	29·772	29·930	30th	29·760	11th	·230	79·9	83·3	−0·5	77·4	+1·1	80·4	+0·3	5·9	85·6	28th	74·3	21st & 22nd.	11·3
	Dwarka	37?	29·771		29·754	29·892	20th	29·637	11th	·255	80·8	85·1		77·8		81·5		7·3	87·3	15th, & 25th.	72·7	27th	14·6
	Bhavnagar Para	55	29·766	—·036	29·765	29·884	30th	29·655	11th & 13th.	·229	80·4	91·9	−1·2	74·5	−1·0	83·2	−1·1	17·4	97·6	28th	71·0	30th	26·6
49	Nowgong	757	28·955	—·030	29·676	29·074	16th	28·739	13th	·335	77·5	86·1	−4·3	74·9	−0·1	80·5	−2·2	11·2	91·5	4th	70·5	25th	21·0
	Indore	1,823	27·980?	?	29·773?	28·090	16th	27·819	13th	·271	73·6	81·8	− 3·6	70·1	0	76·0	−1·8	11·7	88·1	21st & 23rd.	67·6	15th & 17th,	20·5
	Neemuch	1,624	28·137	—·017	29·740	28·257	16th	27·972	14th	·285	75·7	86·1	−1·8	71·4	+0·5	78·8	−0·7	14·7	93·0	19th	67·7	26th	25·3

* Wind observations for 28 days.

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

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

NOTE 2.—The data from which divisional means of the figure

I—continued.

in India, Burma, etc., in September, 1906—continued.

Wind Direction. Number of winds from: Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	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 h. Mean humidity at 8 h.	Departure from normal.	Mean vapour tension at 8 h.	Departure from normal.	Cloud. Mean cloud amount at 8 h.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 30th September, 1906.	Normal rainfall for period, 1st May to 30th September.	Departure from normal of period, 1st May to 30th September, 1906.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
5	2	7	2	1	1	4	7	1	N 43° W	2·2				81	+ 1	·871	−·004	2·6	−1·4	11	6·70	+ 4·30	6·92	5·14	+ 1·78	31·02	32·46	− 1·44	2·67	Cawnpore.
6	2		4	5	1	1	7	4	S 82° W	2·3			2·3	86	+ 8	·882	+·049	5·1	+0·9	8	6·70	+ 1·30	7·87	3·74	+4·13	22·52	27 78	− 5·26	2·16	Mainpuri.
														83	+ 9	·819	+·073	3·6	+ 0·7				9·00	4·49	+4·54					VI.—Upper Sub-Himalayas.
17	1	2	6		1	1	2		N 81° E	1·9	3·0	−37	1·8					4·7	+0·9	8	6·73	+1·27	4·54	7·01	− 2·47	37·74	43·63	− 5·89	1·44	Bareilly.
30									None	1·1	1·1	0		87	+ 4	·743	+·046	4·7	−0·1	15	10·20	+4·80	11·71	9·74	+ 1·97	73·09	80·95	− 7·86	3·75	Dehra Dun.
17		2		9				2	S 61° E	2·8	2·0	+40		87	+ 6	·830	+·045	3·7	+0·1	9	5·70	+3·30	8·58	6·04	+ 2·54	49·83	37·87	+11·96	4·46	Roorkee.
18		1	4	2		1	4		S 45° E	1·1	2·1	−48	1·1	84	+ 8	·862	+·093	3·4	+0·4	10	5·00	+5·00	13·35	5·30	+ 8·05	37·73	28·04	+ 9·69	3·58	Meerut.
		1	5	7	1		10	6	S 74° W		3·8			81	+12	·821	+·076	4·8	+1·6	7	4·10	+2·90	11·48	3·61	+ 7·87	28·13	24·74	+ 3·39	4·23	Delhi.
11	1	1	3	9	2		2	1	S 51° E	2·0	2·0			80	+13	·850	+·116	1·5	+0·1	5	2·30	+2·70	8·69	1·99	+6·70	15·49	16·16	− 0·67	4·43	Lahore.
2		1	3	1	2	7	3	1	S 34° W	1·9	3·6	−47		75	+11	·800	+·077	3·2	+1·1	7	3·20	+3·80	5·30	1·74	+3·56	9·34	12·25	− 2·91	2·41	Sirsa.
4	5	1	4	7	3		2	4	N 79° E	4·5			4·5	85		·861		3·7		9			8·74			30·36			3·84	Patiala.
6		2	1	7				4	S 81° E	2·0	1·1	+82	1·8	83	+ 8	·825	+·071	2·9	−0·2	7	3·40	+3·60	6 29	3·61	+2·68	17·89	22·86	− 4·97	1·92	Ludhiana.
7	2	2	7	2					N 79° E	1·5	1·6	− 6	1·3	82	+12	·828	+·088	2·1	−0·1	8	3·30	+4·70	11·76	2·83	+8·93	28·18	24·64	+3·54	4·22	Sialkot.
7			1	5				7	N 18° W	2·3			2·0	87	+ 5	·844	+·042	4·2	+1·5	10	3·90	+6·10	6·29	4·24	+2·08	30·95	26·94	+3·91	2·35	Ambala.
4	1	2	1	1				1	N 45° E	1·7	1·3	+31	1·6	79	+ 7	·740	+·075	3·9	+2·0	9	4·20	+4·80	11·30	3·23	+ 8·07	38·89	23·94	+14·95	2·73	Rawalpindi.
														74	+ 6	·813	+·082	2·2	+0·2				1·72	0·76	+0·96					VII.—Indus Valley and North-West Rajputana
4	2	2						2	N	0·8	3·1	−74	0·9	72	+ 9	·738	+·105	2·3	+1·2	1	1·40	−0·40	0·63	0·52	+ 0·11	3·22	5·59	− 2·37	0·60	Peshawar.
3		4			1		1	1	N 45° E	0·5	1·7	−71	0·5	74	+ 6	·808	+·077	1·0	+0·4	2	1·00	+1·00	2·05	0·28	+ 1·77	10·07	5·28	+ 4·79	1·60	D. I. Khan.
2	12	5	4	2	2		1	1	N 69° E	7·5			7·2	69	+ 9	·770	+·091	1·7	+0·6	3	1·60	+1·40	1·50	0·54	+ 0·96	10·14	10·29	− 0·15	0·59	Khushab.
	4	2	4	8	9	1			S 1° E	7·1			7·0	73	+14	·860	+·158	1·1	−0·1	4	1·30	+2·70	5·18	0·87	+ 4·31	10·76	7·75	+ 3·01	2·88	Montgomery.
1	2		4	2	5				S 7° E	1·5	2·8	−46	1·4	69	+ 4	·820	+·071	0·2	−0·4	1	0·70	+0·30	0·27	0·32	− 0·05	1·59	5·67	− 4·08	0·27	Multan.
		2	8	10	1				S 23° E	3·1	3·1	0	3·9	79	+10	·861	+·078	0·5	−0·1	1	0·50	+0·50	0·18	0·07	+ 0·11	1·25	2·67	− 1·42	0·18	Jacobabad.
			6	18	2				S 38° W	11·0	12·5	−12	9·8	68	0	·788	+·071	1·0	−0·6	1	0·80	+0·20	0·22	0·41	− 0·19	4·50	6·07	− 1·57	0·22	Hyderabad.
				1	20	9			N 78° W	13·5	14·9	− 9	11·6	80	− 1	·876	+·025	5·2	+0·2	2	0·60	+1·40	0·29	0·51	−0·22	4·26	6·65	− 2·39	0·16	Kurrachee.
	2	1		2	7	11	5		S 83° W	6·4	5·6	+ 14	7·9	70	+ 7	·797	+·058	2·5	+0·1	5	1·90	+3·10	1·99	0·94	+ 1·05	7·76	10·03	− 2·27	0·80	Bikaner.
1				3	11	10	5		S 73° W	9·7	6·1	+59	9·1	79	+ 3	·831	+·020?	2·7	+0·8	5	2·50	+2·50	3·52	2·11	+ 1·41	7·85	12·42	− 4·57	2·63	Pachpadra.
			2	15	9	2			S 62° W	4·4			3·7	77		·789		5·9		3	2·50	+0·50	3·06	1·75	+ 1·31	8·97	12·26	− 3·29	1·54	Jodhpur.
																														VIII.—East Rajputana, Central India and Gujarat.
														83	+5	·822	+·028	5·5	+1·3				6·76	4·36	+3·12					
3	3	2		1	1	5	15		N 41° W	4·5	5·2	−13		76	+ 3	·779	+·057	4·9	+1·3	6	4·90	+1·10	2·99	3·56	− 0·57	11·33	24·26	−12·93	1·28	Jaipur.
3					2	6	7		N 62° W	1·9			1·5	78		·805		4·9		11	5·10	+5·90	13·57	5·16	+8·41	35·30	28·61	+ 6·69	4·81	Kotah.
4	1	1		1		12	7		N 60° W	6·7	7·2	− 7		76	+ 7	·757	+·028	4·5	+1·6	6	3·80	+2·20	3·82	2·80	+ 1·02	13·35	19·14	− 5·79	1·10	Sambhar.
					1	12	16		N 65° W	7·5	5·0	+50	6·5	80	+ 5	·890	P	5·2	+2·1	10	4·10	+5·90	3·11	2·33	+ 0·78	17·59	20·09	− 2·50	0·90	Ajmer.
					6	8	3		S 82° W	3·6			3·2	80		·755		5·3		8	6·10	+1·90	4·86			24·95			1·71	Udaipur.
1				1	8	14	6		S 87° W	11·9	11·3	+ 5	10·0	87	+12	·869	+·083	5·6	+1·2	5	2·00	+3·00	3·48	1·68	+ 1·80	14·92	13·71	+ 1·21	2·05	Bhuj.
				5	16	3			S 41° W	9·2			9·0	83		·842		2·0		6			2·08			23·31			0·52	Jamnagar.
				2	17	9	2		S 60° W	7·7	8·5	− 9	7·6	79	− 3	·790	−·021	6·0	+1·2	5	5·10	−0·10	3·76	3·96	− 0·20	24·43	27·13	− 2·70	2·38	Rajkot.
1					9	16	3		S 82° W	12·6	8·6	+47	12·6	83	− 2	·849	−·003	5·0	−0·7	1	4·60	−3·60	0·35	1·99	− 1·64	21·74	16·78	+ 4·96	0·12	Veraval.
	1			5	16	8			S 50° W	12·3				85		·899		5·3		7			1·67			20·32			0·36	Dwarka.
					20	4	6		S 66° W	8·4			7·1	77	− 5	·794	?	6·5	+0·8	2	7·80	−5·80	0·99	4·43	− 3·44	19·63	18·70	+ 0·93	0·52	Bhavnagar Para.
4		1		3	1	14	1		N 86° W	2·1	2·4	−13	2·1	89	+ 8	·843	+·022	6·4	+1·5	14	7·00	+7·00	25·74	5·24	+20·50	44·86	41·43	+ 3·43	6·66	Nowgong.
2					1	18	6		N 77° W	6·3	4·8	+31	5·1	87	+ 1	·736	−·012	8·2	+1·9	10	8·80	+1·20	10·32	7·68	+ 2·64	46·82	31·16	+15·64	2·41	Indore.
3					11	12			S 83° W	9·4	10·2	− 8	7·9	86	+ 8	·765	+·024	6·0	+2·6	10	6·50	+3·50	9·59	5·11	+ 4·48	26·25	28·69	−2·44	3·35	Neemuch.

data for that station, are not utilized in calculating the provincial departures from normal.
ans Nos. 40, 42 and 44 are derived, are incomplete.

Table

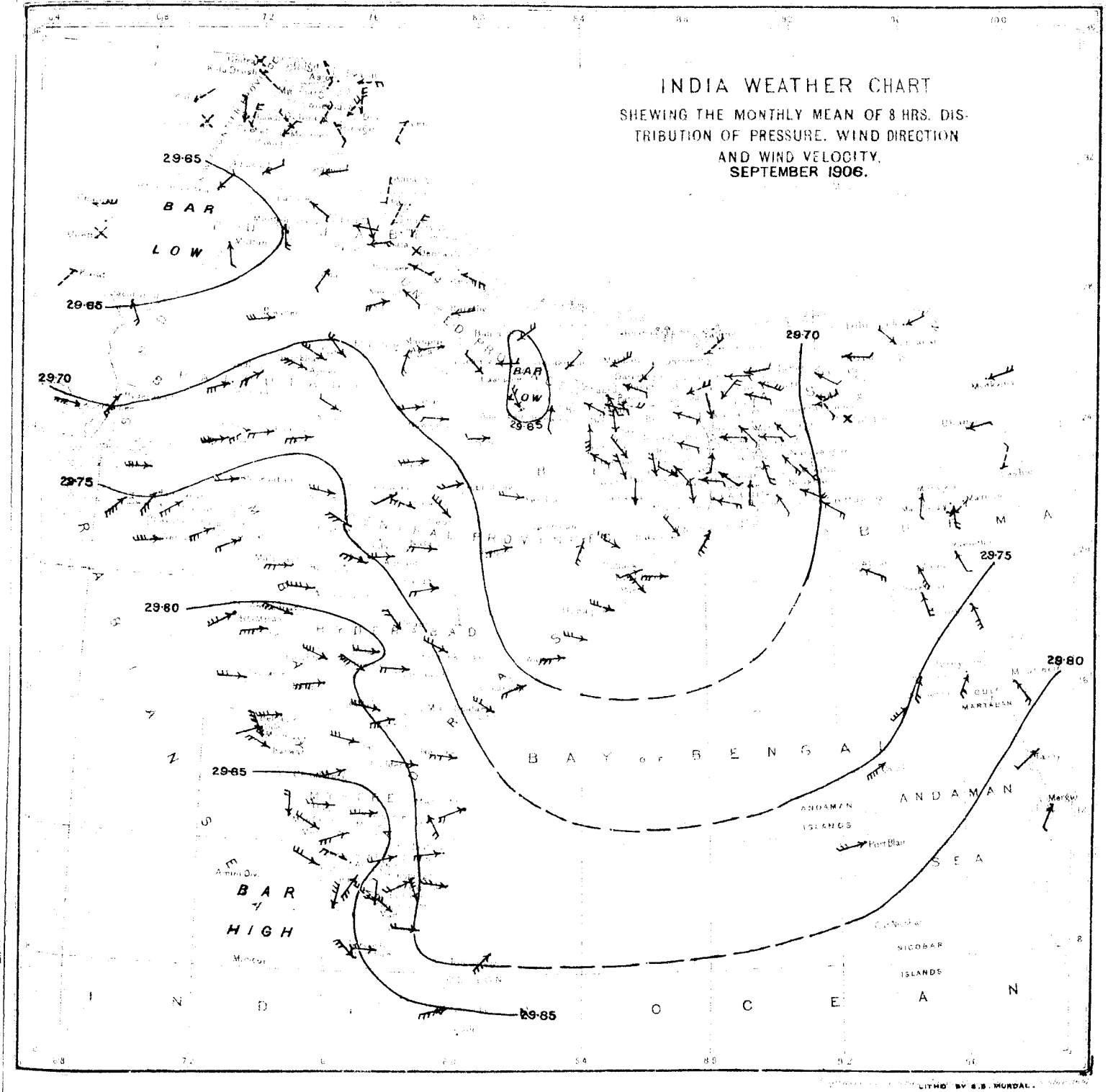
Abstract of Observations taken at 8 h., at 231 Station

Number of rainfall divisions.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 h., in inches.								Temperature of air.											
			Mean 8 h. pressure reduced to 32°.	Departure from normal.	Mean 8 h. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 h. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
45	Surat	39	29·792	−·008	29·776	29·915	30th	29·681	13th	·234	80·0	86·8	−1·7	75·9	+0·4	81·4	−0·7	10·9	91·6	22nd	72·5	30th	19·1
	Ahmedabad	163	29·640	−·024	29·752	29·750	30th	29·526	11th	·224	79·3	89·1	−3·0	75·4	−0·8	82·3	−1·9	13·7	94·6	28th	70·7	18th	23·9
	Deesa	466	29·314	−·021	29·738	29·429	22nd & 30th.	29·190	11th	·239	78·8	89·8	−3·0	74·1	+0·2	82·0	−1·4	15·7	96·8	28th	69·9	15th & 24th.	26·9
22	Agra	556	29·150	−·029	29·668	29·264	15th	28·913	14th	·351	80·6	90·5	−2·6	77·2	+0·5	83·9	−1·1	13·3	96·5	5th	72·9	23rd	23·6
21	Jhansi	858	28·866	−·024	29·686	29·001	15th	28·672	13th	·329	78·8	87·6	−4·1	75·8	0	81·7	−2·1	11·8	93·2	4 days	72·6	15th	20·6
	IX.—Deccan.			−·014								85·5	−1·5	71·6	−0·2	78·6	−0·9	13·9					22·5
	Belgaum	2,539	27·342	+·003	29·839	27·436	30th	27·263	6th	·173	69·4	77·7	−1·2	65·2	−0·1	71·5	−0·7	12·5	82·3	19th & 20th.	61·9	18th	20·4
	Sholapur	1,590	28·256	−·005	29·807	28·357	30th	28·158	6th	·199	75·6	89·1	−0·3	70·8	+0·1	79·5	+0·1	17·3	92·2	18th	67·1	15th	25·1
	Poona	1,846	28·015	−·002	29·827	28·120	30th	27·918	13th	·202	73·3	82·4	−2·0	67·2	−1·4	74·8	−1·7	15·2	87·0	20th	62·3	30th	24·7
	Bijapur	*1,948*	27·914	−·001	29·821	28·008	30th	27·827	5th	·181	73·7	85·9	0	69·0	−0·6	77·5	−0·3	16·9	90·2	18th	66·2	8th, 28th & 29th.	24·0
40	Malegaon	1,430	28·583	−·011	29·778	28·485	30th	28·264	13th	·221	76·1	87·3	−0·6	69·7	−0·5	78·5	−0·6	17·6	91·4	23rd, 24th & 30th.	66·1	15th	25·3
	Ahmednagar	2,154	27·710	+·007	29·821	27·812	30th	27·613	13th	·199	74·0	85·6	+0·4	67·2	−0·8	76·4	−0·2	18·4	89·9	21st	62·0	30th	27·9
41	Akola	930	28·859	−·011	29·752	28·972	30th	28·736	5th	·236	77·3	86·2	−2·9	72·2	−0·5	79·2	−1·7	14·0	92·1	23rd	69·9	14th	22·2
	Amraoti	1,215	28·572?	?	29·750?	28·696	15th	28·460	6th	·236	75·9	86·1	−2·3	71·8	−0·3	79·0	−1·3	14·3	93·2	24th	68·8	30th	24·4
42	Khandwa	1,044	28·733	−·016	29·745	28·840	15th	28·578	13th	·262	75·5	84·5	−3·6	72·8	−0·4	78·7	−2·0	11·7	91·2	22nd & 23rd.	71·1	4 days	20·1
	Hoshangabad	1,006	28·753	−·023	29·728	28·888	15th	28·573	13th	·315	76·3	83·6	−4·5	72·1	−1·2	77·9	−2·9	11·5	99·5	22nd	69·8	21st, 23rd & 25th.	29·7
	Nagpur	1,017	28·741	−·006	29·721	28·875	15th	28·626	6th	·249	77·5	86·5	−2·8	73·6	−0·2	80·0	−1·5	12·9	92·1	24th	71·6	18th	20·5
43	Chanda	*634*	29·130	−·017	29·713	29·245	15th	29·006	5th	·239	79·3	88·2	−0·9	74·6	+0·1	81·4	−0·4	13·6	93·5	17th	72·0	27th	21·5
	Seoni	2,033	27·728	−·016	29·714	27·870	15th	27·582	13th	·288	75·0	84·1	−1·5	71·5	+0·9	77·8	−0·3	12·6	89·3	23rd	68·0	23rd & 24th.	21·3
	Jubbulpore	1,327	28·409	−·017	29·703	28·560	15th	28·213	13th	·347	75·7	84·7	−2·7	72·5	−0·3	78·6	−1·5	12·2	89·4	24th	68·3	23rd	21·1
	Saugor	1,807	27·939	−·023	29·709	28·075	15th	27·729	13th	·346	74·8	82·6	−4·0	71·4	−0·1	77·0	−2·1	11·2	89·1	23rd	68·5	23rd & 24th.	20·6
49	Sutna	1,040	28·654	−·041	29·661	28·815	15th	28·348	13th	·467	78·3	86·7	−1·3	74·6	0	80·7	−0·7	12·1	92·4	5th	65·7	14th	26·7
44	Raipur	970	28·759	−·022	29·683	28·892	15th	28·640	6th	·252	78·0	86·1	−2·1	74·0	−0·8	80·1	−1·5	12·1	89·6	18th, 22nd & 24th.	71·4	4th	18·2
	Pendra	2,123?	27·696		29·676	27·832	15th	27·540	13th	·292	75·1	83·5		71·2		77·4		12·3	87·8	5th	67·1	24th	20·7
	Sambalpur	486	29·230	−·044	29·664	29·392	15th	29·096	12th	·296	81·6	88·4	−0·9	77·7	+0·4	83·1	−0·3	10·7	92·1	24th	75·6	13th	16·5
39	Aurangabad	1,905	27·928		29·787	28·029	17th	27·814	6th	·215	74·3	85·0		67·9		76·5		17·1	89·2	22nd, 23rd & 24th.	64·2	15th	25·0
	Indur	1,260	28·557		29·774	28·641	18th	28·466	6th	·175	78·1	85·4		73·8		79·6		11·6	90·8	20th	71·2	6th & 28th.	19·6
	Bidar	*2,165*	27·697		29·815	27·786	15th	27·579	5th	·207	74·3	84·4		70·1		77·3		14·3	89·0	23rd	67·1	10th	21·9
53	Gulbarga	1,503	28·330	−·014	29·794	28·418	15th	28·227	5th	·191	75·2	88·2	+0·6	70·9	0	79·6	+0·3	17·3	92·0	17th	67·8	10th	24·2
	Raichur	*1,311*	28·527	−·008	29·797	28·613	30th	28·441	5th	·172	76·2	88·3	+0·6	71·9	−0·3	80·1	+0·2	16·4	93·1	15th & 17th.	69·1	27th	24·0
	Hyderabad (Deccan)	1,690	28·130	−·010	29·775	28·225	15th	28·015	5th	·210	76·1	86·2	−0·5	71·9	+1·1	79·1	+0·3	14·3	90·8	18th	70·2	6th, 11th & 14th.	20·6
	Hanumkonda	871	28·907		29·727	29·018	15th	28·777	5th	·241	79·3	87·6		75·3		81·5		12·3	91·5	19th	72·3	4th	19·2
	X.—West Coast.			+·001								83·5	−0·1	75·1	+0·3	79·4	+0·1	8·4					13·4
37	Bombay	37	29·828	−·006	29·805	29·944	30th	29·733	13th	·211	79·6	85·0	+0·5	77·3	+0·8	81·2	+0·7	7·7	87·5	21st	75·5	21st	12·0
	Ratnagiri	110	29·770	+·007	29·820	29·862	30th	29·691	12th	·171	78·4	83·9	−0·3	75·4	+1·0	79·7	+0·4	8·5	85·8	19th	71·9	27th	13·9
	Mormugao	*60*	29·852	+·007	29·847	29·935	30th	29·777	5th	·158	78·6	82·8	−0·7	74·9	−0·2	79·0	−0·5	7·9	85·0	1st	72·4	24th & 27th.	12·6
	Goa	199	29·689	?	29·827	29·779	30th	29·617	5th	·162	78·9	83·0	+0·4	76·7	+1·2	79·9	+0·8	6·3	85·0	19th & 20th.	74·5	24th & 29th	10·5
	Karwar	44	29·861	0	29·839	29·942	30th	29·794	5th & 12th.	·148	77·4	82·4	−0·3	74·0	+0·1	78·2	−0·1	8·4	84·2	19th & 20th.	72·5	6 days	11·7
33	Cochin	10	29·925	−·006	29·863	29·973	30th	29·887	20th	·086	78·8	85·9	+1·3	74·4	−0·1	80·2	+0·6	11·5	88·3	30th	71·7	21st	16·6
	Calicut	27	29·911	+·004	29·868	29·963	8th	29·861	5th	·102	76·8	83·5	−0·8	74·2	−0·2	78·9	−0·5	9·3	86·3	9th	70·2	29th	16·1
	Mangalore	65	29·870	+·004	29·868	29·926	30th	29·806	5th	·120	77·2	82·1	−1·2	74·0	−0·1	78·1	−0·7	8·1	84·2	11th & 12th.	70·9	22nd & 28th.	13·2
	Trivandrum	188	29·731	+·001	29·861	29·788	23rd	29·687	4th	·101	77·8	83·2	+0·3	75·1	−0·2	79·2	+0·1	8·1	85·5	18th & 19th.	71·5	29th	14·0

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

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

NOTE 2.—The data from which divisional means of the figure columns



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

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

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

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

PLATE III.

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

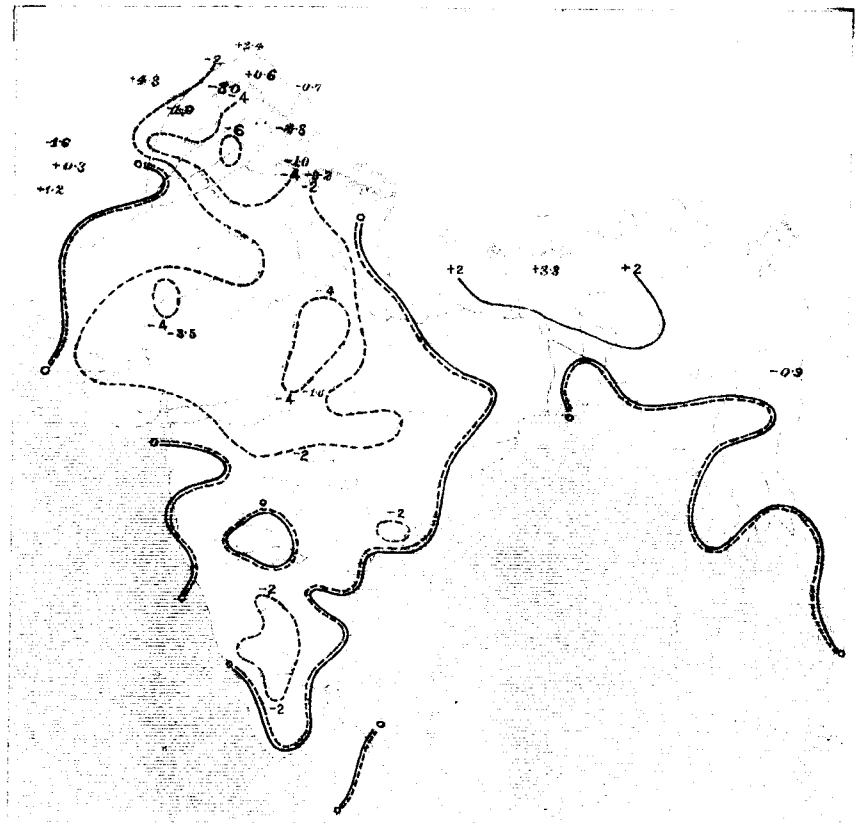
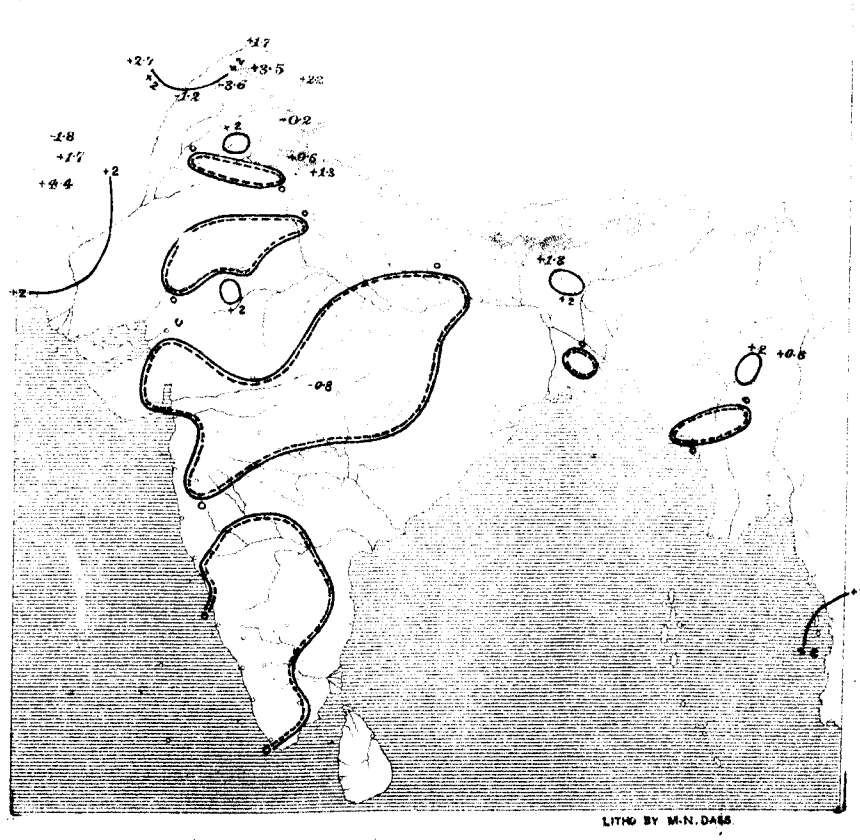


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MINIMUM TEMPERATURE.



LITHO BY M.N. DASS

PLATE IV

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

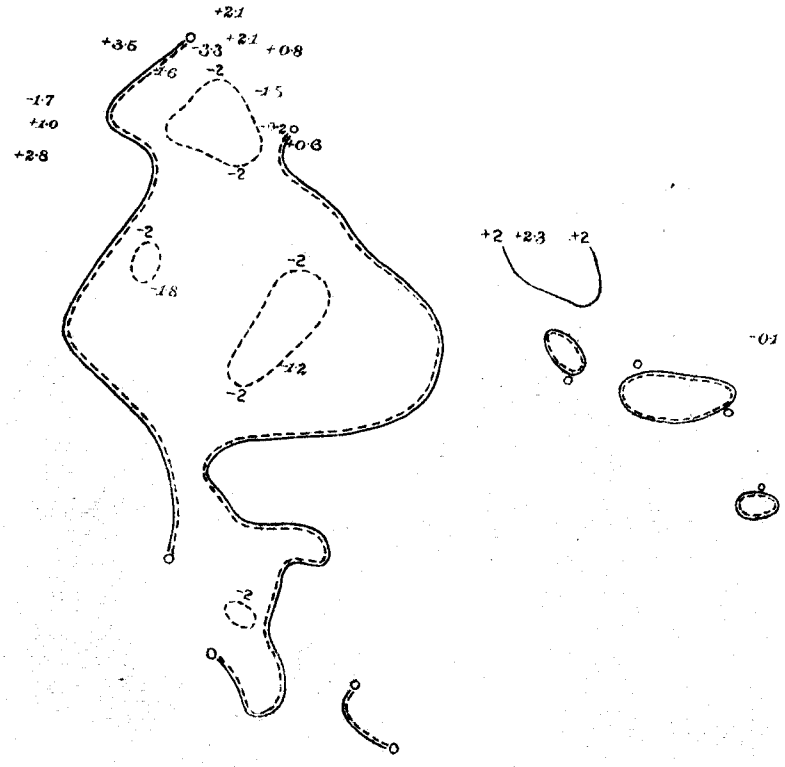
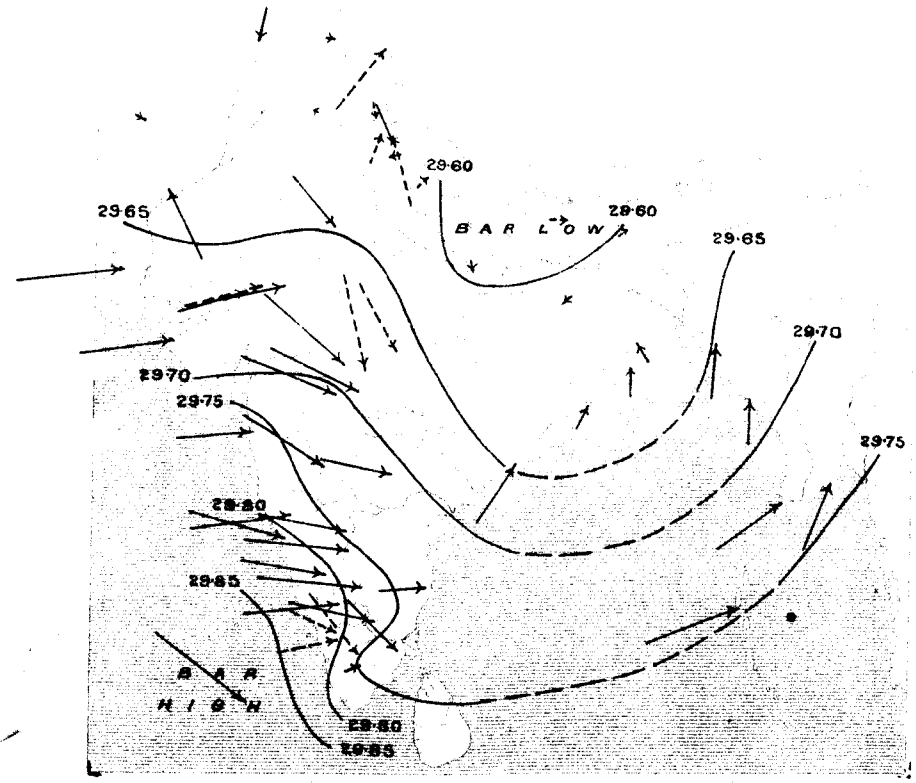


CHART SHEWING THE MONTHLY MEAN OF
PRESSURE AND RESULTANT
WIND DIRECTION.



LITHO. BY S.S.MUNDLE.

PLATE V.

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

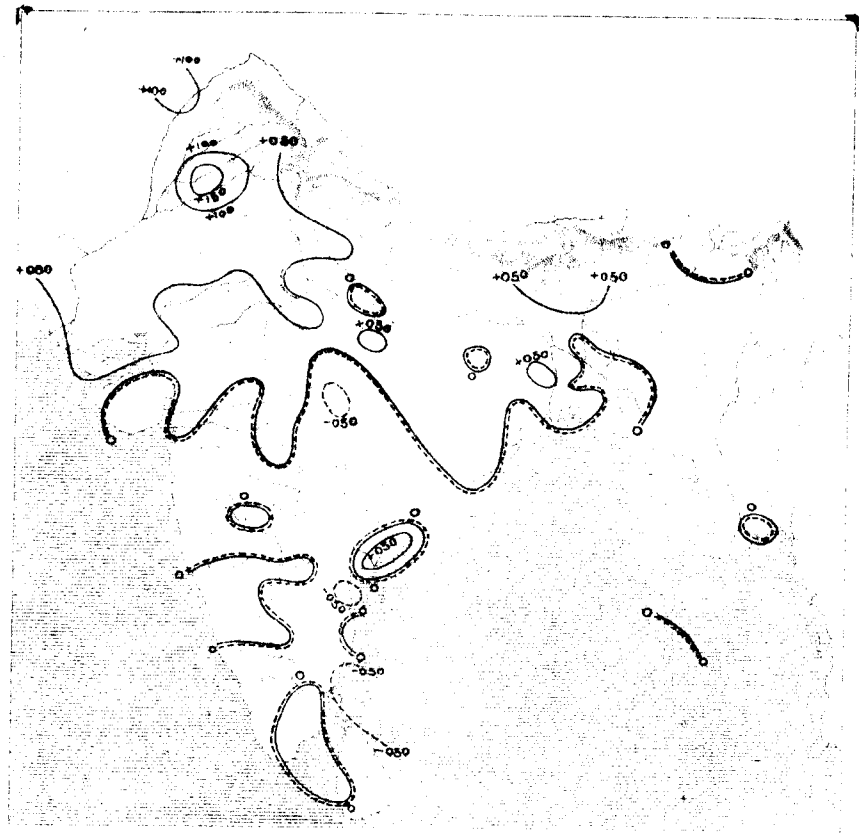


CHART SHEWING THE DEPARTURE FROM NORMAL
OF THE MONTHLY MEAN OF RELATIVE
HUMIDITY AT 8 HRS.

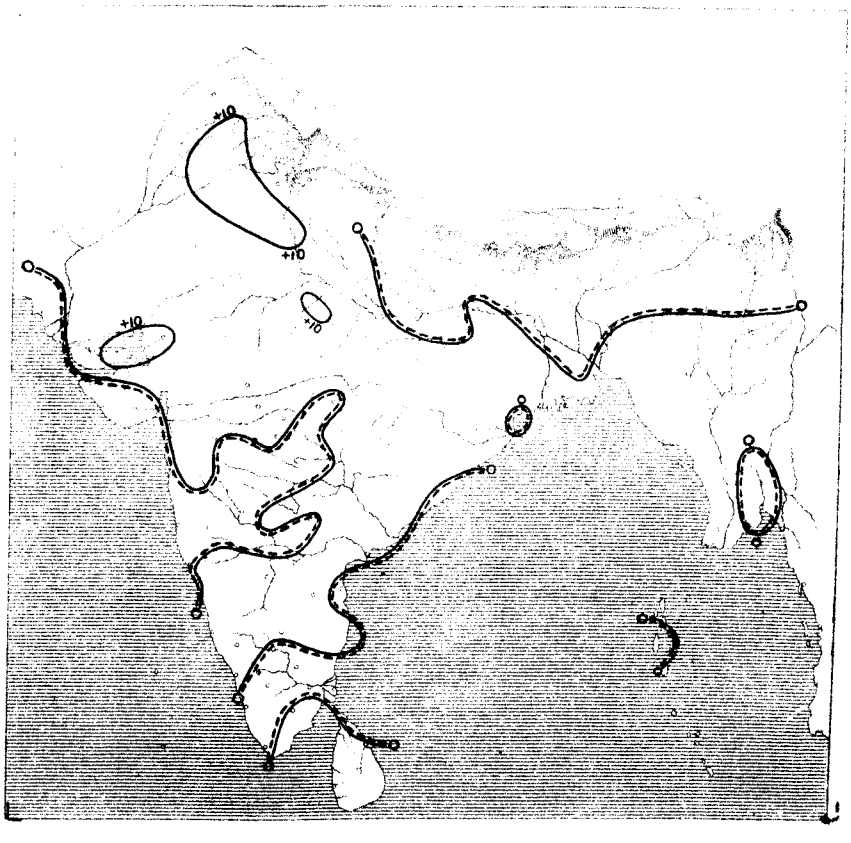
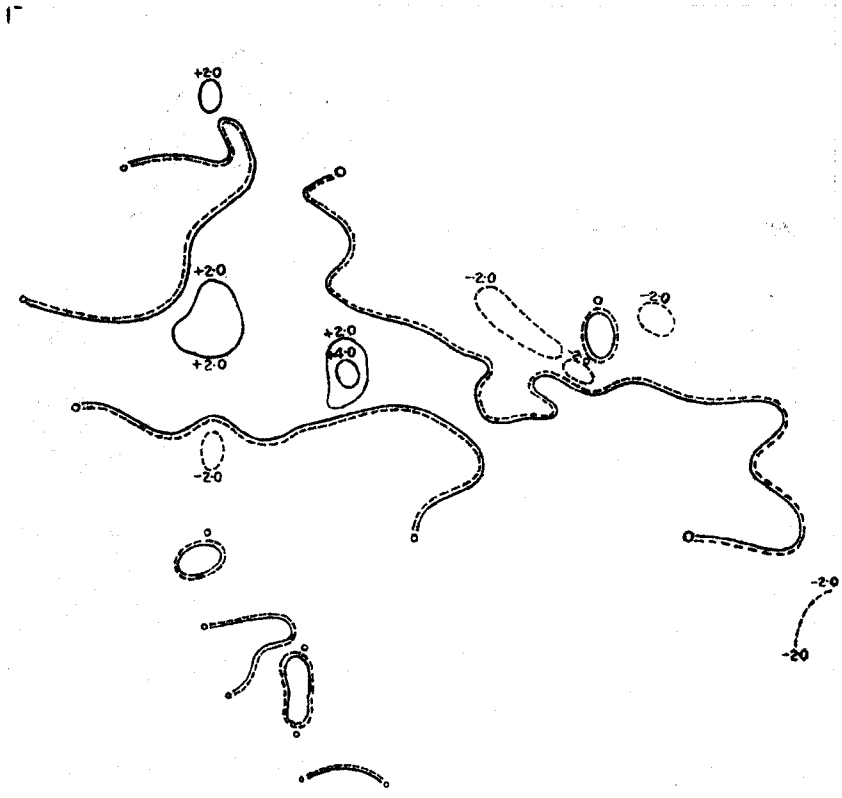
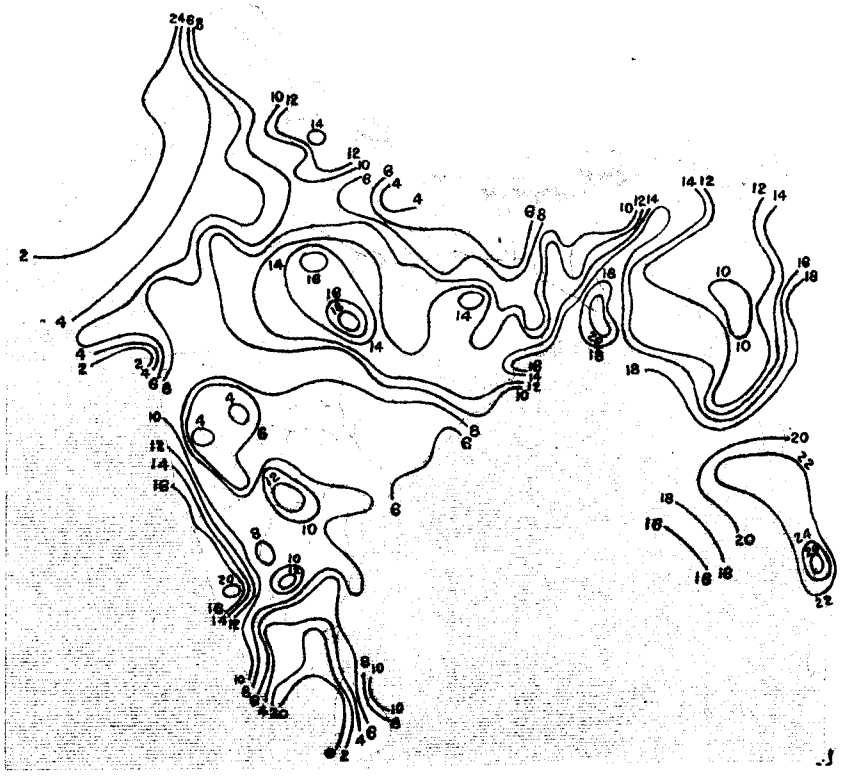
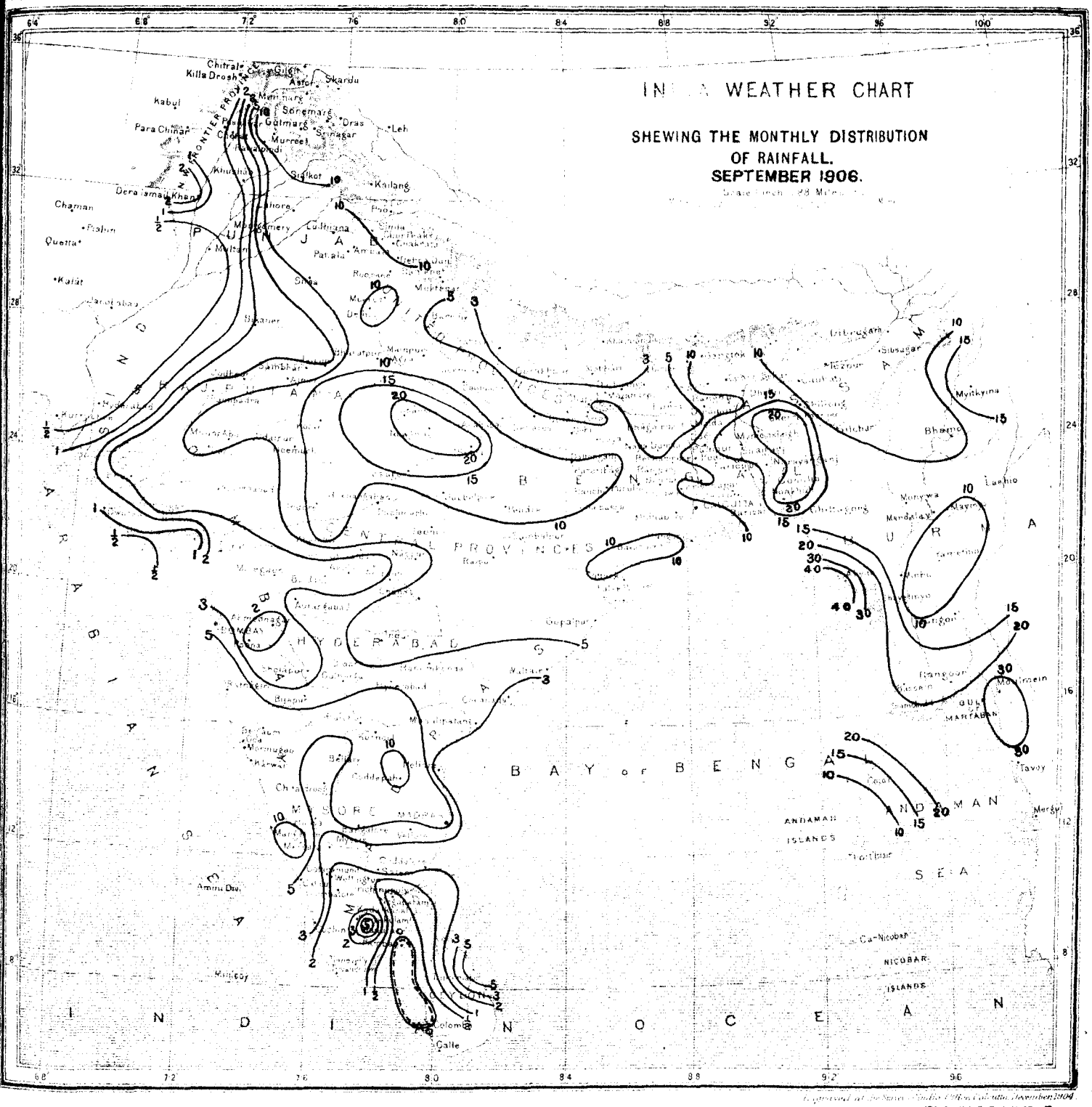


PLATE VI.

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

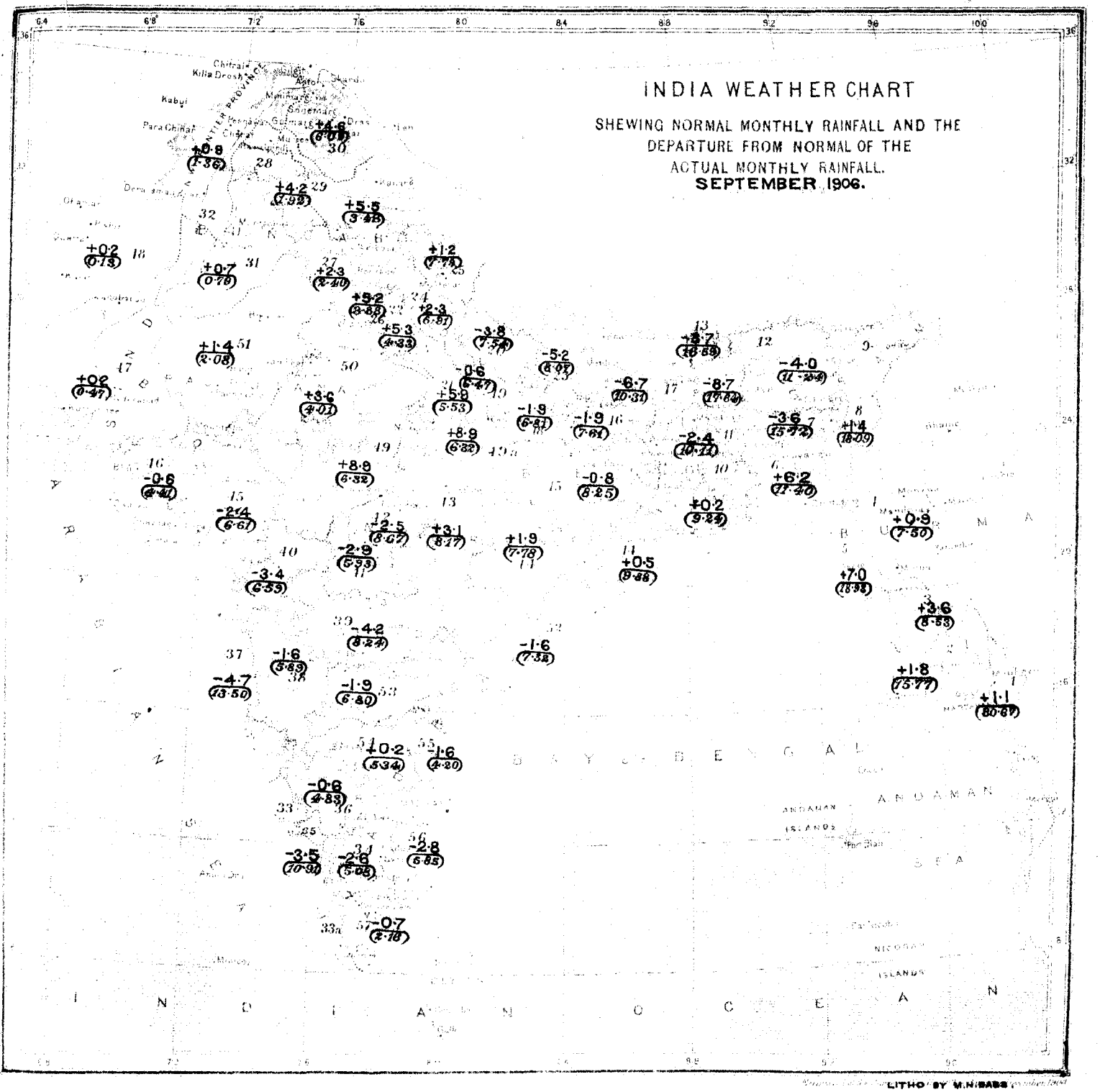






LITHO. BY S.B. MUNDLE.

The chart shows the distribution of the rainfall of the month by means of isohyetic lines or lines of equal amounts of rain. The data used in the preparation of this chart are the rainfall returns of all the observatories in India except those at the hill stations over 3,500 feet in elevation (177 in number). The double line or line of no rainfall separates areas in which the rainfall exceeded a tenth of an inch from those where it was actually or practically *nil* (*i.e.* less than a tenth of an inch). The dotted line faces the area of no rainfall.



The country is divided into 57 areas, over each of which the meteorological conditions are fairly uniform, and the staple crops similar in character. The numbers in bracket on the chart give the average over the division of the normal monthly rainfall; the numbers above these give the departure from these normals of the average actual rainfall over the division. The name of the district can be ascertained by referring in the following list to the number given in each district in red figures.

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

GOVERNMENT OF INDIA.

METEOROLOGICAL DEPARTMENT.

MONTHLY WEATHER REVIEW

PUBLISHED BY ORDER OF

THE GOVERNMENT OF INDIA.

CALCUTTA, OCTOBER, 1906.

INTRODUCTION.

THIS review of the weather in India during the month of October 1906, is based on observations taken daily at 8 h. at 235 stations, and on additional observations taken at 10 h. and 16 h. at 62 stations. In the rainfall summary the data furnished by the meteorological observatories, and such rainfall statements of the month as had been published by the provincial Governments up to the date of the preparation of the review, have been utilized. The brief notes on solar, seismic and magnetic disturbances have been supplied by the chief observatories. For a statement of the methods adopted in recording and tabulating the data, for each of the elements of observation, reference should be made to the introductory portion of the review for January.

Summary of the chief features of the weather in India during the month of October, 1906.

2. Skies were even more free from cloud than usual over a large part of the country, although humidity was above the normal in most places. Rainfall was somewhat irregularly distributed: it was above normal in the interior of Burma, the Assam Hills, the Valley of the Brahmaputra, Bengal, Chota Nagpur, Mysore and South Madras, and was deficient in the remainder of the country. The defect was greatest in the United Provinces, Berar and the central and western districts of the Central Provinces which received hardly one-tenth of their normal quantity.

Nights were warmer than usual in most districts, particularly in upper India where minimum temperature was from 2° to 6° above the normal; while days were, if anything, slightly cooler than is normally the case. In the mountain zone bordering upper India temperature was high, both by day and night.

Mean 8 h. pressure over the Indian land area exceeded the normal by ·015″. The local features of the pressure distribution were neither very marked nor important.

One storm, of moderate intensity, occurred in the month, developing near the Andaman Islands between the 21st and the 27th. It travelled to the Madras coast at Cocanada, and thence moved slowly along the coast till its disappearance on the 31st, and caused rainfall on the Circars coast, in Orissa and north-east India.

Solar, seismic and magnetic disturbances.

KODAIKANAL OBSERVATORY.

3. *Solar Observations.*—The weather was as favourable as can be expected at this season, but there were 5 days on which no observations could be made and 5 other days on which prominence observations were not possible.

Sunspots.—These showed a great falling-off both in area and duration. The number of new groups seen was 19 but all of them were small and short-lived and the average daily number was only 1·8 against 4·7 in September and 7·2 in July. On no day were more than three groups visible and on two days (13th and 17th) no spots could be seen. On the latter date the weather was poor and it is possible that a small spot might have been overlooked. The distribution of spots in latitude remained fairly normal but the northern hemisphere continued to be much more active

than the southern. None of the spots were large enough to require any detailed notice.

Prominences.—These were fairly abundant and 27 were recorded having a height of one minute and upwards. The tallest was seen on the 4th at position angle 158.° It was 140″ high and was quite detached from the limb.

Magnetic disturbances.—Magnetically the month was a remarkably quiet one.

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

BOMBAY OBSERVATORY.

Note on the Colaba and Alibagh records.

4. During the month the traces showed 10 calm days, 20 days of small and one day of moderate disturbance.

The days selected as quiet for the purposes of the magnetic survey of India are the 4th, 6th, 8th, 28th and 31st.

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

Declination	1° 3′ 5″ east.
Horizontal force	·36890 C.G.S. unit.
Dip	23° 10′·1
Horizontal force range	·00047 C.G.S. unit.
Horizontal force summed range	·00289 C.G.S. unit.
Declination range	3′·27.
Declination summed range	10′·83.

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

Magnetic disturbances.

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

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

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

Seismic record.—Seven disturbances were recorded during the month, on the 2nd, 6th, 10th, 11th, 17th, 24th and 31st, that recorded on the 24th being the largest with an amplitude of 15·4 mm.

Date, 1906.	G. M. T. of Commencement.	G. M. T. of Maximum.	G. M. T. of End.	Max. amplitude.	Duration.
	H. M.	H. M.	H. M.	mm.	H. M.
2nd October	2 12·9	2 51·2	4 48·9	1·7	2 36·0
6th „	12 55·4	13 3·7	13 27·1	0·4	0 31·7
10th „	13 9·3	13 31·3	13 56·1	0·8	0 46·8
10th and 11th October.	23 25·6	23 38 7	0 9·2	0·9	0 43·6
17th „	9 54·4	10 14·4	11 1·6	1·6	1 7·2
24th „	14 50·1	14 55·8	Lost in shifting.	15·4	...
31st „	2 19·2	2 21·0	2 57·4	0·7	0 38·2

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

CALCUTTA OBSERVATORY.

5. List of displacements recorded by the seismograph a the Alipore observatory during October, 1906.

Date 1906.	P. T. Commencement. G. M. T.	L. W. Commencement. G. M. T.	Maxima. G. M. T.	End. G. M. T.	Maximum amplitude. in mm.	Duration.	REMARKS.
	H. M.	H. M.	H. M.	H. M.		H. M.	
2-10-06	14-54·0	15-31·6	15-46·9	16-22·5	0·75	1-28·5	
6-10-06	12-52·0	13-2·1	13-7·2	13-22·5	1·00	0-30·5	
10-10-06	1-36·7	1-42·8	1-44·8	2-10·3	3·00	0-33·6	
„	12-59·1	13-5·2	13-23·5	13-54·0	0·75	0-54·9	
17-10-06	9-46·9	9-55·5	10-6·2	10-59·1	1·50	1-12·2	
24-10-06	14-48·9	14-53·0	14-54·0	16-28·0	5·00	1-39·1	
28-10-06	16-1·1	...	16-5·2	16-39·7	1·00	0-38·6	
30-10-06	2-6·2	2-12·7	2-15·3	2-51·9	1·75	0-45·7	

C. W. PEAKE,
Meteorologist, Calcutta

SIMLA OBSERVATORY.

6. List of earthquakes recorded by the Omori-Ewing seismograph at the Simla Observatory, during th month of October 1906.

Date.	Commencement of 1st P. T. G.M.T.	Commencement of 2nd P. T. G. M. T.	Beginning of L. W. G. M. T.	Maxima. G. M. T.	End approximately G. M. T.	Duration. approximately.	Maximum amplitude in mm.	REMARKS
	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.		
5th	...	...	...	4-36·0	4-37·0	1·0	9·3	Local.
21st	...	...	6-53·1	6-53·8	6-56·2	3·1	...	...
24th	14-45·3	14-45·9	14-48·0	14-49·0	20-15·0	0-29·0	...	Distant.

A slight shock of earthquake occurred at Darjeeling at about 22 hrs. 30 min (G. M. T.) on the 3rd, while slight shocks were felt at Darbhanga and at Beg Sarai at about 1 hr. 40 mins. (G. M. T.) on the 10th and at Mount Abu at 15 hrs 30 mins. (G. M. T.) on the 22nd.

J. PATTERSON,
Imperial Meteorologist, Simla

ROYAL ALFRED OBSERVATORY, MAURITIUS.

7. Solar Observations.—Observations were taken on every day except 1st, 7th, 10th, 12th, 15th, 18th, 21st, 25th and 30th. Faculæ and groups of sunspots were seen on the 2nd, 3rd, 4th, 5th, 6th, 9th, 11th, 14th, 24th and 31st and on most faculæ were visible on each day of observation.

Magnetic disturbances.

Day.	Time.	Disturbance.
1	13½ h. to 17 h.	Wave in H. F. (+20).
1	18¾ h. to 20½ h.	Double wave in H. F. (+5 to —5.)
4	23 h. to 24 h.	Wave in H. F. (+17).
12	14 h. to 17½ h.	Wave in H. F. (+25).
13	1 h. to 2 h.	Wave in H. F. (+15).
14	10 h. to 12h.	Shallow wave in H. F. (+16).
16	0 h. 35 m.	Increase of H. F. (10).
17	0 h. 55 m. to 57 m	Increase of H. F. (7) followed by gradual wave (10) with superposed fluctuations till 4 h. 55 m. when a sudden increase (8) occurred.
19	12 h. to 16 h.	Decrease of H. F. (55).
19	22 h. to 23¾ h.	Wave in H. F. (11).
21	4 h. 42 m.	Decrease of H. F. (7).
21	8 h. to 9 h.	Wave in H. F. (+20).
22	5 h. to 6½ h.	Double wave in H. F. (—14 to +6), wave in decl. (—2·0).
22	18h. to 19h.	Wave in H. F. (—20).
22 to 23	22 h. to 1 h.	Wave in H. F. (+29).
24	¼ h. to ¾ h.	Wave in H. F. (+6).
26	20 h. to 22¾ h.	Wave in H. F. (—11).
27 to 28	2 h. to 1 h.	Occasional fluctuations in H. F. (+6).
30	21 h. 40 m. to 53 m.	Increase in H. F. (11).

The measurements of horizontal force (H. F.) are given in C.G. S. measure (unit = ·00001).

A. WALTER,
Director.

Weather in the Indian monsoon region.

(8) The following table shows the conditions of average pressure and wind and of rainfall for the month in the southern Indian Ocean.

OCTOBER.	Mauritius.	Zanzibar.	Seychelles.
Departure from normal of mean pressure	·+011	+·012	+·036
Actual mean wind direction	S 80° E	S 7° E	S 40° E
Normal mean wind direction	S 78° E	S 6° E	S 39° E
Actual mean wind velocity (miles per diem.)	234	107	253
Normal mean wind velocity (miles per diem.)	264	120	191
Rainfall departure	+0·49	+1·73	—0·41

In the sub-equatorial region as represented by Seychelles and Zanzibar pressure was slightly higher than usual, and the winds were approximately normal both as regards direction and intensity; rainfall was a little short of the average at the former and about 50 per cent. in excess at the latter station.

At Mauritius pressure was rather high and rainfall well above the average: the air movement was approximately normal in character.

Depressions and cyclonic storms.

(9) October is a month in which depressions and cyclonic storms in the Bay of Bengal, though of less frequent occurrence than in September, acquire a greater average severity than during that month.

One only appeared in the month under review, and did not assume a violent character in any part of its course. Its formation began probably on the 21st when conditions in the Andaman Sea became favourable for the development of a disturbance, and on the 22nd a marked low pressure area lay over that region of the Bay. Further development occurred slowly during the next four days without any movement of the depression from its place of origin, but on the 27th travel began in a north-westerly or west-north-westerly direction. After reaching the Madras coast in the neighbourhood of Cocanada, with a barometric depth of a third of an inch, the storm changed its course and skirted the coast-line with a very slow rate of progression and diminishing intensity, until by the 30th it was not more than slightly marked, and lay between Waltair and Gopalpur: on the last day of the month it had nearly disappeared. Its greatest depth was about two-fifths of an inch on the 29th.

Rainfall began on the Circars coast on the 28th, and thereafter spread northwards and into the interior of north-east India: heavy falls were recorded at some stations on the north Circars coast and in Orissa on the 30th and 31st, and moderately heavy amounts in the delta of Bengal on the 31st.

Pressure.

(10) The mean pressure of the whole Indian land area as determined from the 8 h. observations was ·015″ above the normal. Relatively to this general mean value pressure was in slight defect along the whole base of the Himalayas, in the Andamans, Ceylon and the southern half of the Peninsula; and was in excess over the remainder of the country by amounts ranging up to ·03″.

Pressure in upper India was in greater excess at the hill stations than in the plains, so that the vertical gradient was not as steep as usual. Opposite conditions obtained in Rajputana and the Central Provinces.

The table following gives the departures of mean pressure recorded in the eleven meteorological provinces:—

METEOROLOGICAL PROVINCE.	Departure from normal of mean 8 h. pressure.
	″
Burma Coast and Bay Islands	+·016
Burma Inland	+·011
Assam	+·012
Bengal and Orissa	+·015
Gangetic Plain and Chota Nagpur	+·014
Upper Sub-Himalayas	+·017
Indus Valley and North-West Rajputana	+·019
East Rajputana, Central India and Gujarat	+·029
Deccan	+·021
West Coast	+·009
South India	+·010

Temperature.

11. Except in north-west India, over the greater part of which it was high, temperature differed little from the normal over the plains of India. The excess in the north-west occurred chiefly in night temperature which was from 2° to 6° above the normal. In the hill districts of upper India and Baluchistan both day and night temperatures were high, the former however to a much greater extent than the latter.

As usual the changes of temperature conditions from day to day were determined solely by the distribution of rainfall. The more noticeable features were (1) the prevalence of unusually cool weather over Gujarat and the neighbouring districts from the 1st to the 8th; over Burma from the 4th to the 12th, and over the southern half of the Peninsula between the 18th and 30th; and (2) a steady excess of temperature in the Punjab, Sind and Rajputana from the 9th to the 21st.

The two following tables give details of monthly mean temperature:—

PROVINCE.	DIVISION.	ACTUAL TEMPERATURE.					DEPARTURE FROM NORMAL OF MONTH OF		
		Mean maximum.	Mean minimum.	Monthly mean of mean between maximum and minimum.	Mean daily range of temperature.	Absolute range during month.	Maximum.	Minimum.	Daily range.
		°	°	°	°	°	°	°	°
BURMA	Tenasserim	86·9	75·0	81·0	11·9	21·6	−0·4	−0·2	−0·2
	Lower Burma (Deltaic)	87·0	76·6	81·8	10·3	17·2	−0·2	+0·8	−1·0
	Central do.	90·2	74·2	82·3	16·0	27·0	−0·2	−0·3	+0·1
	Upper do.	89·0	72·7	80·9	16·3	25·9	−1·5	−0·3	−1·2
	Arakan	87·5	71·3	82·4	10·2	16·2	−0·3	+0·6	−0·9
BENGAL AND ASSAM	Eastern Bengal	86·9	74·5	80·7	12·5	21·0	+0·2	+0·7	−0·5
	Assam (Surma)	88·5	72·1	80·3	16·4	26·2	−0·2	−0·2	0
	Do. (Hills).	71·8	57·1	64·5	14·7	25·8	...	...	...
	Do. (Brahmaputra)	84·9	70·9	77·9	14·0	24·7	−1·0	−0·2	−0·8
	Deltaic Bengal	88·0	74·8	81·4	13·2	24·7	+0·6	+0·1	+0·5
	Central do.	87·4	73·6	80·5	13·8	24·0	−0·3	+0·8	−1·1
	North do.	86·3	71·9	79·1	14·4	26·0	−0·5	+0·5	−1·0
	Bengal Hills	59·2	42·3	50·8	16·9	27·1	+1·3	+0·2	+1·1
	Orissa	88·8	74·5	81·7	14·3	26·1	+0·6	+0·5	+0·1
	Chota Nagpur	85·6	68·7	77·2	16·9	29·0	−0·5	+1·4	−1·9
	South Bihar	89·7	72·6	81·2	17·1	29·8	+0·2	+1·9	−1·7
	North do.	88·7	71·9	80·3	16·8	26·6	+1·0	−0·5	+1·5

Province.	Division.	Actual temperature. Mean maximum.	Mean minimum.	Monthly mean of mean between maximum and minimum.	Mean daily range of temperature.	Absolute range during month.	Departure from normal of month of Maximum.	Minimum.	Daily range.
		°	°	°	°	°	°	°	°
United Provinces of Agra and Oudh.	United Provinces (East)	91·2	68·7	80·0	22·6	38·1	+1·0	+0·7	+0·3
	Oudh (South)	91·0	67·1	79·1	23·9	37·9	—0·2	+1·6	—1·8
	Do. (North)	91·5	69·5	80·5	22·0	36·6	+1·4	+2·3	—0·9
	United Provinces (Central)	92·4	68·0	80·2	24·4	37·1	0	+1·5	—1·5
	Do. (West)	92·0	66·8	79·4	25·3	37·0	+0·1	+1·8	—1·7
	Do. (Submontane, East)	90·9	69·9	80·4	21·0	33·1	+2·2	+1·1	+1·1
	Do. (Submontane, West)	87·0	63·0	75·0	24·1	35·3	0	+0·6	—0·6
	Do. (Hills)	66·1	51·4	58·8	14·7	25·5	+1·0	+1·4	—0·4
Punjab	Punjab (South-East)	91·6	70·1	80·9	21·5	34·1	—0·5	+2·2	—2·7
	Do. (South)	93·3	65·4	79·4	28·0	41·7	—0·7	+4·1	—4·8
	Do. (Central)	94·1	63·9	79·0	30·2	43·8	—1·0	+4·8	—5·8
	Do. (Submontane)	90·9	63·5	77·2	27·5	41·8	—0·5	+3·1	—3·6
	Do. (Hills)	66·5	42·7	54·7	23·8	40·8	+1·9	+1·4	+0·5
	Do. (West)	96·1	66·7	81·4	29·4	44·1	+0·8	+3·8	—3·0
N.-W. F. Province	N.-W. F. Province	91·1	62·7	77·0	28·4	45·0	—0·1	+3·8	—3·9
Bombay and Malabar Coast Districts (Madras).	Malabar	85·6	75·0	80·3	10·6	18·0	+0·4	+0·9	—0·5
	Madras (South Central)	87·9	71·4	79·6	16·5	28·2	—1·1	+0·5	—1·6
	Coorg	76·1	62·0	69·4	13·5	21·4	+0·3	+0·4	—0·1
	Mysore	83·0	66·0	74·5	17·0	27·5	+0·1	—0·1	+0·2
	Konkan	87·0	75·5	81·3	11·4	21·4	+0·5	+0·5	0
	Bombay Deccan	88·0	66·6	77·3	21·4	34·1	+0·6	—0·3	+0·9
	Hyderabad (North)	88·8	67·3	78·1	21·5	33·2	...	...	...
	Khandesh	91·4	63·9	77·7	27·5	39·0	+1·5	—3·2	+4·7
Central Provinces and Berar.	Berar	92·2	66·2	79·2	26·0	34·7	+1·2	—1·1	+2·3
	Central Provinces (West)	89·5	65·0	77·3	24·5	34·1	—0·7	—2·2	+1·5
	Do. (Central)	87·6	65·7	76·7	21·9	32·7	—0·4	+0·1	—0·5
	Do. (East)	86·2	69·0	77·6	17·2	29·3	—1·3	—0·1	—1·2
Bombay (North)	Gujarat	96·2	70·2	83·2	26·0	37·0	+0·6	+0·3	+0·3
	Kathiawar and Cutch	92·9	71·8	82·4	21·0	34·7	—0·6	+0·8	—1·4
	Sind	96·6	70·5	83·6	26·1	38·6	+0·4	+2·7	—2·3
	Baluchistan Hills	78·8	42·1	60·5	36·7	51·7	+3·3	+2·6	+0·7
Rajputana and Central India.	Central India	88·3	65·0	76·7	23·4	36·4	—0·8	+0·2	—1·0
	Rajputana (East)	93·5	67·4	80·5	26·1	40·7	+1·5	+4·1	—2·6
	Do. (West)	97·0	69·9	83·5	27·1	40·7	—0·1	+1·9	—2·0
Madras	East Coast (North)	88·6	76·1	82·4	12·5	23·1	+1·0	+0·8	+0·2
	Hyderabad (South)	89·1	71·3	80·2	17·8	31·3	0	+1·1	—1·1
	Madras (Central)	90·7	72·9	81·8	17·7	32·2	—0·2	+0·8	—1·0
	East Coast (Central)	90·7	70·5	83·6	14·2	28·6	+0·6	+0·6	0
	Do. (South)	89·6	74·7	82·2	14·9	27·2	+0·3	+0·5	—0·2
	Madras (South)	89·4	74·8	81·7	14·6	25·4	—1·0	—0·1	—0·9

Meteorological Province.	Departure from normal of Mean maximum temperature.	Mean minimum temperature.	Mean temperature.
	°	°	°
Burma Coast and Bay Islands	—0·3	+0·3	0
Burma Inland	—1·2	—0·3	—0·8
Assam	—0·7	—0·2	—0·4
Bengal and Orissa	+0·2	+0·5	+0·3
Gangetic Plain and Chota Nagpur	+0·5	+1·2	+0·9
Upper Sub-Himalayas	—0·4	+2·4	+1·0

Meteorological Province.	Departure from normal of Mean maximum. temperature	Mean minimum temperature.	Mean temperature.
	°	°	°
Indus Valley and North-West Rajputana.	+0·3	+3·1	+1·7
East Rajputana, Central India and Gujarat.	+0·1	+1·4	+0·8
Deccan	0	—0·4	—0·2
West Coast	+0·4	+0·7	+0·6
South India	—0·1	+0·4	+0·2

Winds.

12. Over by far the greater part of the country winds were even feebler than is usual in October. Their steadiness was, however, considerably above the normal, particularly in northern India where at several stations it was twice as great as usual. As might be expected from the character of the pressure distribution of the month, the direction of movement was abnormally westerly over the Gangetic Plain and northerly over the central parts of the country; elsewhere the deviations from the normal were irregular and of little significance.

Humidity and cloud.

13. The amount of water vapour present in the air exceeded the normal in all parts of the country with the exception of Assam, the eastern half of Burma, the Konkan and adjacent districts. The greatest excess occurred in upper India, the region of dry weather. Departures of relative humidity were parallel with those of aqueous vapour.

Notwithstanding the high humidity of the air there was less cloud than usual in most divisions; the only important exceptions occurred in north and central Madras, Mysore, Hyderabad, Gujarat and north and west Bengal.

Mean conditions for absolute and relative humidity and for cloud follow in the table below:—

METEOROLOGICAL PROVINCE.	MEAN ABSOLUTE HUMIDITY.		MEAN RELATIVE HUMIDITY.		MEAN CLOUD AMOUNT.	
	Average actual.	Departure from normal.	Average actual.	Departure from normal.	Average actual.	Departure from normal.
	"		%			
Burma Coast and Bay Islands.	·872	—·032	84	—3	5·7	—0·1
Bengal and Orissa.	·855	+·016	82	—1	5·1	+0·2
Gangetic Plain and Chota Nagpur.	·611	+·024	69	+2	3·3	—0·1
Upper Sub-Himalayas	·509	+·047	62	+3	0·4	—0·6
Indus Valley and North-West Rajputana.	·581	+·085	61	+6	0·7	—0·2
East Rajputana, Central India and Gujarat.	·463	+·038	48	+2	1·9	+0·2
Deccan	·553	—·013	62	—1	4·1	+0·1
West Coast	·826	—·015	82	—2	2·3	—1·5
South India	·706	+·022	77	+2	6·5	+0·3

Rainfall.

14. The rainfall distribution of the month was characterized by several abnormal features of which the most noteworthy were:—

(*a*) Little or no rain fell in Baluchistan, Sind, the Punjab and Rajputana.

(*b*) Excessive precipitation occurred in the interior districts of Burma, the Assam Hills, the Brahmaputra valley, Bengal, Chota Nagpur, Mysore and South Madras.

(*c*) A moderate to large deficiency occurred in Arakan, the Bengal Hills, Bihar, the United Provinces and the whole of the Peninsula excepting South Madras. The defect was serious in the United Provinces, Berar and the western and central districts of the Central Provinces which received barely a tenth of their normal fall.

It is noteworthy that the monsoon rains terminated at least a fortnight earlier than usual in north-east India, the Central Provinces and Burma.

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

Province.	Division.	Number of rainy days.		Rainfall.			
		Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure.
				Inches.	Inches.	Inches.	Per cent.
Burma	Tenasserim	10·3	12·2	8·44	9·95	—1·51	— 15
	Lower Burma (Deltaic)	10·2	9·9	6·61	6·20	+0·35	+ 6
	Central do.	8·4	7·5	4·95	4·59	+0·36	+ 8
	Upper do.	6·0	6·1	5·09	4·43	+0·66	+ 15
	Arakan	7·4	9·0	6·26	8·76	—2·50	— 29
Bengal and Assam	Eastern Bengal	6·8	5·8	4·82	5·81	—0·99	— 17
	Assam (Surma)	7·4	6·8	6·37	6·57	—0·20	— 3
	Do. (Hills)	9·5	8·4	7·89	7·52	+0·37	+ 5
	Do. (Brahmaputra)	6·5	6·0	5·02	4·57	+0·45	+ 10
	Deltaic Bengal	7·0	5·3	5·84	4·51	+1·33	+ 29
	Central do.	6·5	4·1	5·82	3·46	+2·36	+ 68
	North do.	6·0	4·4	7·84	4·68	+3·16	+ 68
	Bengal Hills	4·3	5·0	2·15	4·00	—1·85	— 46
	Orissa	6·1	6·0	5·01	5·59	—0·58	— 10
	Chota Nagpur	5·4	3·6	3·07	2·79	+0·28	+ 10
	Bihar (South)	2·3	2·8	1·48	2·50	—1·02	— 41
	Do. (North)	2·1	2·7	1·17	2·69	—1·52	— 57
United Provinces of Agra and Oudh.	United Provinces (East)	0·4	2·1	0·13	2·39	—2·26	— 95
	Oudh (South)	0·2	1·5	0·04	1·65	—1·61	— 97
	Do. (North)	0·4	1·5	0·17	1·78	—1·61	— 90
	United Provinces (Central)	0·3	1·1	0·11	1·06	—0·95	— 90
	Do. do. (West)	0	0·5	0	0·39	—0·39	—100
	Do. do. (East Sub-montane)	1·1	2·1	0·58	2·94	—2·36	— 80
	Do. do. (West do.)	0·1	0·7	0·08	0·75	—0·67	— 89
	Do. do. (Hills)	1·1	1·3	0·38	1·36	—0·98	— 72
Punjab	Punjab (South-East)	0	0·4	0	0·22	—0·22	—100
	Do. (South)	0·1	0·3	0·02	0·17	—0·15	— 88
	Do. (Central)	0·1	0·5	0·01	0·25	—0·24	— 96
	Do. (Submontane)	0·1	0·6	0·03	0·37	—0·34	— 92
	Do. (Hills)	0·3	1·1	0·06	0·74	—0·68	— 92
	Do. (West)	0	0·1	0·01	0·06	—0·05	— 83
N.-W. F. Province	North-West Frontier Province	0·7	0·7	0·22	0·30	—0·08	— 27
Bombay and Malabar Coast Districts (Madras).	Malabar	9·4	12·0	7·02	9·76	—2·74	— 28
	Travancore	14·9	...	12·30	...	...	...
	Madras (South, Central)	9·7	8·6	5·67	6·17	—0·50	— 8
	Coorg	13·9	...	9·16	...	...	...
	Mysore	10·8	8·1	7·19	5·50	+1·69	+ 31
	Konkan	3·3	6·1	1·73	4·49	—2·76	— 61
	Bombay Deccan	4·0	6·3	2·15	4·42	—2·27	— 51
	Hyderabad North	2·2	3·7	0·92	2·60	—1·68	— 65
	Khandesh	0·9	3·0	0·38	1·92	—1·54	— 80
Central Provinces and Berar.	Berar	0·6	2·3	0·24	1·76	—1·52	— 86
	Central Provinces (West)	0·5	2·5	0·14	1·78	—1·64	— 92
	Do. (Central)	0·6	2·3	0·24	1·71	—1·47	— 86
	Do. (East)	3·1	2·8	1·48	2·06	—0·58	— 28
Bombay (North)	Gujarat	0·8	1·4	0·30	1·04	—0·74	— 71
	Kathiawar and Cutch	1·0	0·7	0·51	0·58	—0·07	— 12
	Sind	0·1	0	0·04	0·02	+0·02	+100
	Baluchistan Hills	0	0·2	0	0·06	—0·06	—100
Rajputana and Central India.	Central India (East)	0·3	1·2	0·14	0·98	—0·84	— 86
	Rajputana (East), Cental India (West)	0·1	0·3	0·05	0·20	—0·15	— 75
	Do. (West)	0·1	0·1	0·03	0·07	—0·04	— 57
Madras	East Coast (North)	5·8	7·2	3·68	7·00	—3·32	— 47
	Hyderabad (South)	5·7	4·6	2·38	2·98	—0·60	— 20
	Madras (Central)	7·0	6·4	3·76	4·68	—0·92	— 20
	East Coast (Central)	8·6	8·1	4·87	8·51	—3·64	— 43
	Do. (South)	9·1	9·0	6·61	7·84	—1·23	— 10
	Madras (South)	10·0	8·7	7·42	6·92	+0·50	+ 7

PROVINCE.	RAINFALL. Mean actual.	Mean normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Burma	6·27	6·80	−0·53	− 8
Eastern Bengal and Assam	5·57	5·09	+0·48	+ 9
Bengal	3·84	3·54	+0·30	+ 8
United Provinces of Agra and Oudh.	0·16	1·57	−1·41	− 90
Punjab	0·05	0·23	−0·18	− 78
Rajputana	0·04	0·14	−0·10	− 71
Central India	0·14	0·98	−0·84	− 86
Sind	0·04	0·02	+0·02	+100

PROVINCE.	RAINFALL. Mean actual.	Mean normal.	Departure from normal.	Perc ag depar fro norm
	"	"	"	
Gujarat	0·41	0·81	−0·40	−
Konkan	1·73	4·49	−2·76	−
Bombay Deccan and Karnatak	1·27	3·17	−1·90	−
Central Provinces	0·53	1·83	−1·30	−
Hyderabad	1·65	2·79	−1·14	−
Mysore	7·19	5·50	+1·69	+
Madras	5·58	7·27	−1·69	−

Snowfall.

I. AFGHANISTAN.

15. *Kabul.*—There was a light fall of snow on the Paghman mountains on the 13th.

II. NORTH-WEST FRONTIER PROVINCE.

(1) *Kurram.*—Heavy snow fell on the Sufed Koh from the 20th to the 23rd.

(2) *Chitral.*—A severe snowstorm is reported to have occurred on the Lowarai pass.

III. KASHMIR.

Light snow fell in Leh on the 19th, but melted rapidly: weather there was frequently threatening during the third week and some snow fell on the surrounding hills. At the end of the month the snowline was at an elevation of about 16,500 feet on the southern face of the range to the north. Taskandis who arrived in Leh towards the close of the month had not found much snow on any of the passes on the road to Central Asia.

IV. THE PUNJAB.

(*a*) *Pangi.*—(Chamba Division.)—There was a snowstorm over the whole of the Pangi Valley on the 23rd and 24th at heights above 8,000 feet. The fall was reported to measure 2 feet in depth on the Sach pass.

(*b*) *Simla Hills.*—There were two light falls of snow on the hills near Kilba down to about 11,000 feet. At the end of the month there was an accumulation of about 2 feet of snow on the Rupan, Brua and Bulder passes.

V. THE UNITED PROVINCES.

(*a*) *Almora.*—Snow fell on eight occasions during the month in Malla Johar and Malla Darma, and on three or four days on the other peaks and passes. The total fall was reported to measure as much as 21½ feet on the Nuwe pass. T snowline came down to about a quarter of mile below the well known peaks and ranges.

The statement below, provided by the local authoriti shows the depth of accumulation on the various passes a peaks at the end of October 1905 and October 1906 :—

NAME OF PEAK OR PASS.	REPORTED DEPTH OF SNOW A CUMULATION AT END OF OCTOBER. 1905.	1906.
	Feet.	Feet.
Untadhura	15	27
Ralamdhura	12	24
Milamdhura	6½	22½
Pindari peak	1	¾
Kaphini peak	1	¾
Kantela peak	1	¾
Nuwe pass	22	31
Binkaru pass	9	13
Lipu Lekh pass		2
Lampia pass		3

(*b*) *Garhwal.*—Heavy snow fell down to an unusual low level in the northern pargana at about th middle of the month.

16. *Summary of the preceding information.*—So f as can be judged from the available information the sno fall of the month was heavy on the Sufed Koh in Kurra the Lowarai pass in Chitral and in parts of Almora a Garhwal; and was light in Kashmir, the greater part the Punjab Himalayas and on the Paghman mountains Afghanistan. The quantity of snow accumulation on son of the higher peaks and passes in Almora was at lea twice as great as that measured on the same dates the last two years.

Crop report.

17. *Burma.*—Want of rain had caused the partial failure of the paddy crop in parts of Mandalay, Yamethin and Minbu. The condition of the standing crops was, however, good on the whole: the sowing of wheat in the northern Shan States was completed and the cultivation of miscellaneous crops was progressing satisfactorily.

Eastern Bengal and Assam.—The prospects were good in Sylhet, Nowgong and Lakhimpur, and fair elsewhere. Sowing of mustard and of pulses was in progress, and the prospects of winter rice and other standing crops were moderate.

Bengal.—Standing crops were still in need of rain in the Patna division and also in Monghyr, Bhagalpur and Purnea; but rain received during the last week of the month was generally beneficial to the aman paddy crop.

United Provinces.—Harvest prospects were good and the spring crops had germinated well, but in the eastern districts late rice was suffering from want of rain. Fodder was generally sufficient.

Punjab.—The outturn of autumn crops was good to average and the sowing of spring crops was in progress. The condition and prospects of standing crops were generally good, except the cotton crop in Lyallpur ; and fodder was sufficient.

North-West Frontier Province.—Harvest prospects and the probable outturn of the autumn crops were good, but rain was wanted for the unirrigated tracts, and the outturn of cotton was below the average in Dera Ismail Khan where the hill torrents were insufficient for irrigation.

Jammu and Kashmir.—The condition of the standing crops was good. Land was being prepared for the spring harvest.

Rajputana.—Prospects were favourable, though some damage by locusts was reported. Harvesting continued and also sowings for spring crops.

Central India.—The standing crops and probable outturn were good, and agricultural stock and pasturage were sufficient. Harvesting of autumn crops and sowing of spring crops were in progress

Central Provinces.—The standing crops and prospects were generally good: harvesting of autumn crops and the work of spring sowing were completed in most districts. Seed had germinated well.

Bombay.—The standing crops were slightly damaged by locusts and other insects but were generally in good condition, though more rain was needed in parts of Broach, the Deccan and Karnatak. Cotton picking was in progress and a good outturn was expected from the autumn crops, which were being harvested.

Hyderabad.—Harvesting of the autumn and early rice crops and spring sowings were in progress. The standing crops were fair to good and prospects were favourable.

Mysore.—Standing crops were in good condition, but at the end of the month more rain was needed in parts of Mysore.

Coorg.—Coffee was ripening and the picking of cardamom was in progress. Water and fodder were sufficient.

Madras.—The standing crops were in good condition, but in parts needed more rain. Harvesting continued with poor to bumper outturn. The condition of cattle was generally good.

J. H. FIELD.

Table I.—Abstract of Observations taken at 8 h., at 235 Stations in India, Burma, etc., in October, 1906.

Tab

Abstract of Observations taken at 8 h., at 235 Stati

Number of rainfall division.	Station.	Elevation of barometer above sea-level, in feet.	Pressure, 8 h. in inches.								Temperature of air.											
			Mean 8 h. pressure reduced to 32°.	Departure from normal.	Mean 8 h. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 h. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
	I.—Burma Coast and Bay Islands.			+·016								87·1	−0·3	75·7	+0·3	81·4	0	11·4					1
1	Car Nicobar .	25	29·880		29·833	29·974	12th	29·692	24th	·282	80·5	85·1		75·8		80·5		9·3	89·8	1st	73·4	31st	
	Slipper sland .	90	29·825		29·849	29·905	12th	29·705	27th	·200	82·2	85·6		78 1		81·9		7·5	88·1	20th	74·1	28th	
	Port Blair . .	61	29·857	+·001	29·849	29·915	12th	29·698	26th	·247	79·4	85·9	−1·0	76·8	+0·5	81·4	−0·8	9·1	98·2	23rd	74·0	3rd	
	Mergui . .	96	29·852	+·021	29·883	29·915	6th	29·700	23rd	·145	78·5	87·2	0	78·6	+1·5	80·4	+0·8	13·6	91·9	21st	70·4	23rd & 25th	
	Tavoy . .	19	29·942	+·016	29·893	30·006	6th	29·870	24th	·136	77·6	87·5	−0·5	72·5	−0·8	80·0	−0·7	15·0	91·5	17th	67·3	24th & 25th,	
	Moulmein . .	94	29·867	+·032	29·900	29·936	12th	29·801	24th	·135	78·8	87·9	−0·5	73·9	+0·8	80·9	−0·7	14·0	92·5	20th	68·3	25th & 27th.	
2	Rangoon . .	36	29·914	+·017	29·887	29 987	12th	29·857	23rd	·130	79·0	87·3	−0·4	76·2	+0·6	81·8	+0·1	11·1	92·1	20th	73·9	26th	
	Bassein . .	27?	29·913	+·020	29·878	29·991	12th	29·845	4th	·146	78·0	87·2	−0·2	75·6	+0·4	81·0	+0·1	11·6	90·2	22nd	72·4	26th	
	Diamond Island	41	29·890	+·009	29·866	29·969	12th	29 825	27th	·144	82·3	86·4	−0·1	178·1	+1·4	82·3	+0·7	8·3	90·4	21st	74·7	27th	
5	Akyab . .	20	29·905	+·007	29·868	29·992	12th	29·816	5th	·176	78·9	87·5	−0·3	77·3	+0·6	82·4	+0·2	10·2	90·4	22nd	74·2	6th	
3	Toungoo . .	183	29·766	+·023	29·392	29·846	12th	29·707	1st	·139	78·7	90·0	−0·3	74·7	+0 1	82 4	−0·3	15·3	93·4	20th	67·1	27th	
	II.—Burma Inland.			+·011								89·2	−1·2	72 9	−0·3	81·0	−0 8	16·3					
3	Thayetmyo .	121	29·818	+·020	29·882	29·896	12th	29·739	5th	·157	79·2	90·4	0	73·7	−0·4	82·1	−0·2	16·7	93·5	19th	65·9	27th	
4	Minbu . .	*165*	29·758	−·009	29·868	29·844	12th	29·659	1st	·185	79·1	89·6	−1·7	74·8	−0 2	82·2	−1·0	14·8	93·2	20th, 21st & 22nd.	69·1	27th	
	Yamethin . .	657	29·271	−·007	29·887	29·353	12th	29·189	1st	·164	78·0	90·5	−2·0	73·4	−0·4	82·0	−1·2	17·1	95·3	27th	65·7	27th	
	Monywa . .	*280*	29·690		29·909	29·753	12th	29·573	1st	·180	78·8	89·3		75·4		82·4		13·9	92·8	3rd	72·6	25th	
	Mandalay . .	250	29·637	+·019	29·889	29·753	12th	29·576	1st	·177	79·7	91·6	−0·2	75·3	+0·5	83·5	+0·2	16·3	96·0	3rd	73·3	22nd & 27th.	
	Myitkyina . .	458	?		?	?	?	?	?	?	73·7	86·4		69·0		77·7		17·4	92·5	4th	63·5	28th	
	Bhamo . .	*381*	29·530	+·034	29·924	29·634	16th	29·489	2nd	·145	74·0	86·4	−2·1	68·4	−1·2	77·4	−1·7	18·0	91·9	3rd	62·1	25th & 27th.	
4(a)	Maymyo . .	3,545	26·499		26·444	26·559	12th	26·435	5th	·124	69·0	76·9		60·6		68·8		16·3	80·9	17th	55·6	23rd	
	Lashio . .	*2,751*	27·168	−·005	27·113	27·221	11th & 12th.	27·063	1st	·158	68·1	81·5	−2·0	62·6	−0·9	72·1	−1·5	18·9	85·5	1st	55·0	9th	
	III.—Assam.			+·012								85·5	−0·7	71·1	−0·2	78 3	−0·4	14·4					
7	Silchar . .	104	29·840	+·015	29·899	29·928	12th	29·739	1st	·189	77·1	86·5	−0·2	72·1	−0·2	80·3	−0·2	15·4	92·5	28th	66·3	27th	
9	Sibsagar . .	333	29·639	+·019	29·936	29·721	12th	29·501	1st	·220	72·8	83·1	−1·7	70·7	−0·1	76·9	−0·9	12·4	87·1	11th	63·2	27th & 28th .	
	Dhubri . .	115	29·814	+·001	29·887	29·912	16th	29·617	1st	·295	75·4	84·3	−0·2	72·6	−0 2	78·5	−0·2	11·7	87·7	18th	66·7	28th	
	Gauhati . .	195	29·763		29·917	29 848	12th	29·620	1st	·228	74·6	86·7		70·6		78 7		16·1	90·0	6th	63·5	28th	
	Tezpur . .	252	29·702		29·917	29·784	12th	29·566	1st	·218	74·8	86·0		71·0		78·6		14·9	90·1	4th	63·4	28th	
	Dibrugarh .	353	29·597		29·917	29·697	12th	29·461	1st	·236	73·6	81·4		69·6		77·0		11·8	88·4	11th	63·0	27th & 28th,	
	IV.—Bengal and Orissa.			+·015								87·5	+0·2	73·9	+0·5	80·7	+0·3	13·6					
6	Chittagong .	87	29·840	+·012	29·876	29·930	12th	29·759	28th	·171	78·3	86·5	0	73·9	+0·5	80·2	+0·3	12·6	89·1	5 days.	69·4	23rd	
	Noakhali . .	43	29·892		29·872	29·962	12th	29·772	1st	·190	79·5	85·8		74·4		80·1		11·4	88·8	28th	69·4	30th	
	Comilla . .	36	29·893		29·877	29·981	12th	29·746	1st	·235	79·3	87·9		73·5		80·7		14·4	90·9	20th	67·8	24th	
	Sirajganj . .	49	29·886		29·885	29·984	12th	29·645	1st	·339	78·2	86·0		74·6		80·3		11·4	89·3	7th, 8th & 11th.	68·7	27th & 30th,	
	Narayanganj .	26	29·911	+·028	29·886	29·997	12th	29·725	1st	·272	79·9	87·7	−0·2	75·7	+0·4	81·7	+0·1	12·0	90·5	5 days	70·8	4 days	
	Barisal . .	12	29·916	+·016	29·874	30·009	12th	29·773	1st	·236	82·0	87·9	+0·3	75·2	+0·6	81·6	+0·5	12·7	91·3	4th	69·1	24th	
	Mymensingh .	63	29·875	+·010	29·889	29·966	12th	29·677	1st	·289	79·4	86·7	+0·5	74·3	+1·1	80·5	+0·8	12·4	90·2	19 th	68·5	27th	
	Faridpur . .	46	29·886		29·882	29·973	16b	29·701	1st	·272	79·8	86·9		74·2		80·6		12·7	89·3	4 days	67·9	28th & 30th,	
10	Jessore . .	33	29·893	+·013	29·873	29·988	12th	29·736	1st	·252	80·7	87·9	−0·5	74·3	−0·3	81·1	−0·4	13·6	92·0	9 th	66·7	24th	
	Calcutta (Alipore)	21	29·906	+·018	29·873	29·989	16th	29·764	1st	·225	79·3	87·3	+0·6	74·2	−0·1	80·8	+0·3	13·1	91·9	5th &	67·4	25th	
	Saugor Island .	25	29·897	+·017	29·866	29·984	16th	29·774	1st	·210	81·0	88·5	+1·7	76·8	+0·6	82·6	+1·2	11·7	91·9	26th	68·5	29th	

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

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

NOTE 2.—The data, from which divisional means of the figure columns Nos. 41, 43 ar

NOTE 3.—The barometrical readings are not reduced to sea-level, in the cases of hill or pla

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in India, Burma, etc., in October, 1906.

Wind Direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	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 h. Mean humidity at 8 h.	Departure from normal.	Mean vapour tension at 8 h.	Departure from normal.	Cloud. Mean cloud amount at 8 h.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 31st October, 1906.	Normal rainfall for period, 1st May to 31st October.	Departure from normal of period, 1st May to 31st October, 1906.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
														87	—1	·874	—·025	5·5	—0·6				8·31	9·03	—0·81					I.—Burma Coast and Bay Islands.
1	3	4	2	2	6	8	3	1	S 23° W	3·3			3·3	87		·904		9·6		21			13·22			63·41			2·31	Car Nicobar.
5	2	7	4	1	2	4	4	2	N 27° E	11·8			12·0	80		·881		7·3		8			4·17			62·89			1·14	Slipper Island.
	2	3	2	5	3	6	7	3	S 52° W	6·8	6·4	+ 6		88	— 1	·838	—·047	6·2	—0·2	17			10·54	11·76	— 1·22	90·15	96·66	— 6·51	2·32	Port Blair.
15		1	6	7	2				S 62° E	1·5*	1·5	0	1·3*	87	0	·830	—·025	4·5	—0·4	13	16·10	—3·10	7·46	12·74	— 5·28	153·96	151·83	+ 2·13	1·60	Mergui.
31									None	1·1				84	— 4	·798	—·070	3·8	—1·0	9	12·30	—3·30	7·15	9·45	— 2·30	183·49	201·38	—17·89	1·62	Tavoy.
10	2	3	8	6	1	1			S 82° E	2·1	1·7	+ 24	2·3	84	— 4	·835	—·041	4·7	—0·3	9	10·70	—1·70	7·19	7·97	— 0·78	179·73	177·86	+ 1·87	2·40	Moulmein.
5	3	8	8	2	3	2			N 78° E	3·4	3·2	+ 6	3·1	87	— 5	·855	—·052	5·6	0	10	8·50	+1·50	12·53	6·39	+ 6·14	84·55	91·80	— 7·25	2·89	Rangoon.
16	2	1	5	4	1	1	1		S 75° E	2·7*	2·5	+ 8		94	+ 3	·908	—·007	4·9	—0·3	9	12·10	—3·10	7·85	8·13	— 0·28	81·06	106·37	—25·31	2·15	Bassein.
2		14	6	2	2	4		1	N 72° E	6·9	6·4	+ 8	6·9	82	— 1	·915	+ ·016	4·2	—1·5	7	11·60	—4·60	6·57	8·00	— 1·43	113·62	109·18	+ 5·44	4·18	Diamond Island.
3	2	14	11	1					N 62° E	2·8	2·3	+ 22	2·7	93	+ 2	·929	+ ·016	5·7	—0·2	6	8·30	—2·30	4·97	10·28	— 5·31	174·84	183·75	— 8·91	1·82	Akyab.
17	5	1		5		3			N 87° E	1·4	1·8	— 22	1·4	88	— 1	·875	—·012	4·1	—1·4	11	9·60	+1·40	9·75	6·56	+ 3·19	62·38	75·12	—12·74	3·10	Toungoo.
														87	+ 2	·827	—·003	4·7	+0·1				3·82	4·42	—0·89					II.—Burma Inland.
3	9	5		5	4		1	4	N 23° E	3·5*	3·1	+ 13		87	+ 3	·871	+ ·021	5·2	—0·5	7	6·90	+0·10	2·88	4·00	— 1·12	39·05	33·84	+ 5·21	0·86	Thayetmyo.
	3			10	3	1	1	13	N 69° W	4·4			5·2	86	+ 2	·806	+ ·023	3·7	—0·8		5·20	—1·20	1·49	4·41	—2·92	32·39	29·86	+ 2·53	0·91	Minbu.
22	1			5	3				S 33° E	1·9			2·0	86	0	·828	—·029	5·2	+2·1	7	6·60	+0·40	3·37	5·72	— 2·35	26·05	33·91	— 7·86	1·09	Yamethin.
20	1			2	5		1	2	S 14° W	1·0			1·0	87		·861		4·5		5	5·50	—0·50	3·09	3·95	— 0·86	28·68	26·29	+ 2·39	1·26	Monywa.
13	4	3		1	4	1		5	N 19° W	2·5			2·5	83	0	·843	—·017	3·5	—0·6		5·60	+1·40	6·41	4·98	+ 1·43	23·53	28·98	+ 4·55	2·35	Mandalay.
1		15	15						N 67° E	3·2			3·3	91		·760		6·6		5			5·54			73·45			3·28	Myitkyina.
20	2	8	1						N 41° E	0·4*			0·4*	90	+ 3	·760	—·014	4·3	+0·2	6	5·70	+0·30	3·94	3·47	+ 0·47	73·28	68·52	+ 4·76	1·94	Bhamo.
24		3		1		3			S 45° E	1·0				89		·632		3·6		12	11·20	+0·80	7·90	7·71	+ 0·19	47·69	52·10	— 4·41	2·07	Maymyo.
21		7	1	1				1	N 50° E	2·5				93	+ 1	·639	—·008	6·9	—0·7	5			6·24	3·68	+ 2·56	53·42	54·98	— 1·56	4·85	Lashio.
														90	—1	·773	—·014	5·6	0				4·77	4·41	+0·36					III.—Assam.
31									None	0·2	2·1	— 90	0·3	86	— 3	·811	—·017	4·7	—1·4	10	7·00	+3·00	4·58	6·03	— 1·45	87·43	97·90	—10·47	1·34	Silchar.
12		8				7	1	3	N 41° W	1·6	2·0	— 20	1·5	94	— 2	·760	—·042	7·3	+0·1	5	4·20	+0·80	2·44	4·99	— 2·55	82·58	76·81	+ 5·77	0·90	Sibsagar.
3	1	9	17		1				N 75° E	5·4	2·9	+ 86	5·8	91	+ 2	·808	+ ·017	5·1	+1·3	5	4·16	+0·64	8·52	3·48	+ 5·04	109·48	85·47	+24·01	3·86	Dhubri.
11	8	5	2	1	3		1		N 34° E	1·7			1·9	91		·788		7·7		6	4·10	+1·90	5·26	2·92	+ 2·34	57·54	52·78	+ 4·76	2·50	Gauhati.
25		3	3						N 67° E	2·4			2·5	88		·758		4·5		8	5·50	+2·50	5·05	3·65	+ 1·39	58·72	60·70	— 1·98	2·43	Tezpur.
30		1							N 45° E	0·1			0·1	87		·719		4·3		5	7·70	—2·70	2·78	5·40	— 2·62	68·55	94·19	—25·64	1·06	Dibrugarh.
														85	0	·841	+·011	3·5	—0·1				5·53	5·02	+0·67					IV.—Bengal and Orissa.
3	2	14	4	7	1				N 72° E	2·6	3·0	—13	2·4	91	+ 1	·878	+ ·014	3·8	—1·2	6	6·81	—0·81	2·57	6·37	— 3·80	103·85	86·32	+17·53	1·12	Chittagong.
7	2	11	6	3	1		1		N 65° E	1·8			1·9	88		·887		3·6		8	7·13	+0·87	4·15	7·92	— 3·77	111·32	102·84	+ 8·48	1·40	Noakhali.
17	3	1		5	5				S 39° E	1·5			1·3	87		·870		2·5		6	5·62	+0·38	3·15	5·43	— 2·30	90·84	78·31	+12·53	0·93	Comilla.
30						1			S 45° W	0·6			0·6	87		·842		3·4		6	4·77	+1·23	2·66	4·37	— 1·71	66·83	55·13	+11·70	0·75	Sirajganj.
3	5	9	2	4	4	1		3	N 53° E	2·5	2·3	+ 9	2·2	85	+ 1	·868	+ ·020	4·3	0	7	5·06	+1·94	3·45	4·48	— 1·03	65·64	59·45	+ 6·19	1·38	Narayanganj.
17	5	5	1	1	1			1	N 32° E	1·6			1·4	83	— 1	·910	+ ·025	1·7	—2·0	6	5·91	+0·06	3·63	6·69	— 3·06	61·60	68·95	— 7·35	1·20	Barisal.
22		1	3	3	1			1	S 68° E	1·3			1·1	85	— 3	·859	+ ·009	4·8	+0·5	8	5·58	+2·42	7·96	5·12	+ 2·84	106·08	77·92	+28·16	3·44	Mymensingh.
10	11	1	2		5		1	1	N 8° E	1·8			1·5	86		·869		1·9		6	5·31	+0·69	5·31	4·49	+ 0·82	61·11	59·18	+ 1·93	2·47	Faridpur.
29	1	1							N 27° E	1·2	2·1	— 43	1·2	84	— 2	·882	+ ·006	3·3	—0·6	7	5·74	+1·26	5·68	4·38	+ 1·30	53·37	55·73	— 2·36	1·15	Jessore.
4	6	8	2	2		5	2	7	N 32° W	2·7	3·2	— 16		86	+ 2	·862	+ ·019	2·8	—0·6	6	5·33	+0·67	5·50	4·12	+ 1·38	44·99	54·71	— 9·72	1·93	Calcutta (Alipore).
	10	9	1	1	2	1	6	1	N 4° E	7·5	6·5	+ 15		87	+ 1	·914	+ ·020	4·8	—0·6	7	7·80	—0·90	3·96	8·64	— 4·68	42·75	66·68	—23·93	1·21	Saugor Island.

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

are derived, are incomplete.

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

* Mean of 30 days.

Ta

Abstract of Observations taken at 8 h., at 235 Stat

Number of rainfall division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 h. in inches.								Temperature of air.											
			Mean 8 h. pressure reduced to 32°.	Departure from normal.	Mean 8 h. pressure reduced to sea-level and to constant gravity; at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 h. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
10	Krishnagar	47	29·876		29·872	29·961	16th	29·681	1st	·280	79·2	88·4		74·0		81·2		14·4	91·6	9th & 18th	67·0	24th, 29th & 30th.
	Midnapore	149	29·766		29·864	29·852	16th	29·36	1st	·232	79·0	87·8		74·5		81·2		13·3	92·3	9th	66·7	29th
11	Bankura	313	29·605		29·873	29·684	16th	29·438	1st	·246	78·6	88·7		73·7		81·3		15·0	93·1	5 days	67·2	24th 29th & 30th.
	Raniganj	334	29·567		29·890	29·679	16th	29·416	1st	·263	76·4	87·6		72·9		80·3		14·7	91·5	9th&10th	60·0	24th
	Burdwan	99	29·826	+·010	29·875	29·915	16th	29·641	1st	·274	79·0	88·5	−0·2	75·3	+0·7	81·9	+0·3	13·2	92·9	8th & 9th.	67·3	29th, 30th & 31st.
	Naya Dumka	489	29·435		29·890	29·521	12th	29·261	1st	·260	77·0	87·1		71·8		79·4		15·3	91·5	9th& 10th	65·9	24th
	Berhampore	67	29·860	+·011	29·877	29·952	16th	29·668	1st	·284	79·2	87·4	−0·1	71·7	+0·4	81·0	+0·2	12·7	96·8	9th	70·2	23rd, 24th & 30th.
	Rampur Boalia	70	29·859		29·879	29·953	16th	29·631	1st	·322	79·8	86·7		74·1		80·4		12·6	90·1	8th, 9th & 10th.	68·1	24th
	Malda	72	29·835*		29·870*	29·933	12th	29·643	1st	·290	78·2	86·5		72·1		79·3		14·4	89·8	16th	66·3	24th
	Bogra	75	29·848	+·007	29·877	29·939	12th	29·624	1st	·315	79·2	86·7	−0·5	74·0	+1·3	80·3	+0·4	12·7	90·7	16th	67·7	27th
12	Dinajpur	123	29·809	+·014	29·890	29·912	12th	29·630	1st	·282	77·3	86·7	0·7	71·9	−0·1	79·3	−0·4	14·8	89·8	9th	65·0	28th
	Rangpur	123	29·818		29·899	29·918	12th	29·618	1st	·300	76·1	86·7		73·2		80·0		13·5	89·6	11th & 31st.	65·6	28th
	Jalpaiguri	284	29·651	+·007	29·898	29·744	12th	29·488	1st	·256	75·1	85·5	−0·3	70·6	+1·0	78·2	+0·4	14·7	88·9	4th	61·6	29th
	Cooch Behar	156	29·789		29·904	29·882	12th	29·607	1st	·275	76·3	86·2		71·6		78·9		14·6	85·3	11th	61·6	28th
17	Purnea	123	29·811	+·021	29·894	29·908	12th	29·652	1st	·256	76·8	87·5	+0·1	70·8	−0·4	79·2	−0·2	16·7	90·7	4th & 10th.	63·8	24th
14	Balasore	50	29·880	+·011	29·873	29·966	16th	29·749	1st	·217	78·7	86·5	+0·5	74·0	+0·9	81·2	+0·7	14·5	92·4	3rd, 4th & 9th.	65·6	24th
	Angul	455	29·467		29·889	29·549	16th	29·348	28th	·201	77·3	88·3		71·7		80·1		16·6	9·.1	2nd & 4th	63·1	24th&25th
	False Point	21	29·909	+·023	29·872	29·993	16th	29·785	28th	·208	80·7	88·1	+0·7	74·4	−0·2	81·3	+0·3	13·7	92·1	7th	66·6	25th
	Cuttack	80	29·844	+·019	29·869	29·925	16th	29·723	28th	·202	78·9	90·2	+0·5	75·4	+0·8	82·8	+0·7	14·8	94·9	4th	68·7	24th &25th
	Puri	24	29·910		29·873	30·005	12th	29·742	28th	·263	81·0	89·1		76·8		83·0		12·3	92·6	3rd	68·1	29th
	V.—Gangetic Plain and Unota Nagpur.			+·014								89·4	+0·5	70·2	+1·2	79·8	+0·9	19·1				
15	Hazaribagh	2,007	27·915	+·018	29·896	27·977	16th	27·775	1st	·202	73·8	82·6	−0·7	67·8	+1·0	75·3	+0·2	14·8	85·7	4 days	60·7	27th
	Ranchi	2,128	27·803	+·019	29·901	27·867	1.th	27·662	1st	·205	73·4	82·5	−0·5	67·8	+2·2	75·2	+0·9	14·7	86·2	8th	61·0	27th
	Daltonganj	*730*	29·189		29·894	29·257	12th	29·049	1st	·208	72·3	88·8		67·9		78·4		20·9	92·6	9th&10th	55·5	27th
	Purulia	*816*	29·103		29·881	29·181	16th	28·940	1st	·241	75·5	88·3		?		?		?	92·0	1 & 11		
	Chaibassa	*760*	29·150	+·007	29·874	29·220	16th	29·603	1st	·217	75·0	88·4	−0·3	71·2	+0·9	79·8	+0·3	17·2	95·4	3rd&4th	64·7	5 days
16	Gaya	375	29·549	+·016	29·883	29·618	12th & 16th.	29·385	1st	·233	77·8	88·9	−0·7	73·2	+2·2	81·1	+0·8	15·7	95·4	9th	65·9	26th & 27th.
	Dehri	351	29·568		29·679	29·034	12th & 16th.	29·414	1st	·220	78·2	89·4		72·8		81·1		16·6	92·3	9th, 10th & 11th.	61·1	27th
	Patna	183	29·740	+·007	29·878	29·824	12th	29·582	1st	·242	80·3	89·3	+1·1	74·1	+1·6	81·7	+1·4	15·2	92·0	5th	67·2	27th
	Arrah	190	29·734		29·880	29·866	12th	29·575	1st	·231	77·3	89·8		71·2		80·5		18·6	92·9	10th&16th	59·6	27th
	Buxar	239	29·678		29·878	29·753	12th	29·521	1st	·232	77·2	91·1		71·7		81·4		19·4	94·5	16th	62·5	26th & 27th,
17	Bhagalpur	160	29·777		29·891	29·871	12th	29·618	1st	·253	80·5	88·9		72·5		80·7		16·4	92·7	9th	65·3	23rd & 24th,
	Darbhanga	165	29·770	+·020	29·891	29·875	12th	29·610	1st	·246	77·4	88·6	+1·9	72·5	−0·6	80·5	+0·7	16·1	91·6	10th	65·8	19th.
	Pusa		29·760			29·847	12th	29·601	1st	·265	77·9	88·6		72·3		80·5		16·3	91·6	9th	66·3	29th & 30th
	Muzaffarpur	178	29·753		29·889	29·844	12th	29·591	1st	·253	79·0	88·8		72·3		80·6		16·5	91·7	10th	66·5	27th & 29th
	Motihari	224	29·702		29·890	29·799	12th	29·542	1st	·257	75·6	89·3		71·5		80·4		17·8	91·4	9th & 11th.	64·8	27th
	Chapra	181	29·727†		29·866†	29·805	12th	29·505	1st	·240	77·4	89·4		71·6		80·5		17·8	91·4	10 days	61·6	27th
	Benares	267	29·648	+·009	29·875	29·723	12th	29·503	1st	·220	77·4	91·1	+1·2	68·5	+0·2	79·8	+0·7	22·6	94·6	9th	56·1	27th
18	Allahabad	9	29·604	+·007	29·873	29·668	12th	29·472	1st	·196	77·3	91·3	+0·8	68·8	+1·2	80·1	+1·0	22·5	94·1	9th	56·5	27th
	Gorakhpur	257	29·653		29·871	29·727	12th	29·489	1st	·238	78·6	90·9	+2·2	69·9	−0·1	80·4	+1·1	21·0	93·2	4th	60·1	26th
23	Lucknow	368	29·553	+·022	29·888	29·622	12th	29·393	1st	·229	75·4	91·0	−0·2	67·1	+1·6	79·1	+0·7	23·9	94·0	8th	56·1	28th
	Bahraich	401	29·499	+·002	29·866	29·581	12th	29·328	1st	·253	77·5	91·5	+1·4	69·5	+2·3	80·5	+1·9	22·0	95·1	9th	58·5	26th
	Cawnpore	416	29·500	+·013	29·884	29·573	12th	29·356	1st	·217	76·1	91·9	+0·4	67·5	+1·7	79·7	+1·1	24·4	95·9	8th	56·1	27th
21	Mainpuri	516	29·409	+·033	29·898	29·469	12th & 16th.	29·270	1st	·199	72·8	93·1	+0·2	65·5	+0·9	79·3	+0·6	27·6	95·8	8th	56·3	28th

* Mean of 29 days. † Mean of 30 days.

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

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

NOTE 2.—The data, from which divisional means of the figure columns Nos. 41, 43 and

I—continued.

in India, Burma, etc., in October, 1906—continued.

Wind Direction. Number of winds from. Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction	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 h. Mean humidity at 8 h.	Departure from normal.	Mean vapour tension at 8 h.	Departure from normal.	Cloud. Mean cloud amount at 8 h.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 31st October, 1906.	Normal rainfall for period, 1st May to 31st October.	Departure from normal of period, 1st May to 31st October, 1906.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
21	2	1	2		1		1	3	N 6° W	0·4			·5	85		·854		3·1		8	4·97	+ 3·03	6·38	4·20	+ 2·18	43·18	49·21	— 6·03	2·62	Krishnagar.
7	10	4		1		2	5	2	N 18° W	2·4			2·0	82		·805		2·1		6	5·27	+ 0·73	4·19	4·51	— 0·32	46·81	55·17	— 8·36	1·32	Midnapore.
23	3	1	4						N 51° E	2·1			1·8	80		·779		1·8		9	4·81	+ 4·19	7·21	4·08	+ 3·13	50·44	51·59	— 1·15	2·58	Bankura.
30	1								N	0·7			0·5	88		·809		2·5		7	4·23	+ 2·77	3·45	3·22	+ 0·23	36·45	51·68	—15·23	1·40	Raniganj.
19	2	2	2	1			2		N	1·5	2·1	−29	1·5	86	+ 6	·852	+·058	3·3	−0·4	7	4·10	+ 2·90	6·90	3·27	+ 3·63	61·73	51·86	+ 9·87	2·47	Burdwan.
30	1							3	N	1·0			0·9	86		·800		2·8		7	4·70	+ 2·30	9·18	3·94	+ 5·24	42·38	55·06	- 12·68	2·71	Naya Dumka
19	3	2	1	1	1	2	1	1	N	1·1	2·1	−48	1·4	84	— 2	·853	+·018	4·2	+0·5	7	5·04	+ 1·96	4·08	3·95	+ 0·13	47·15	50·84	— 3·69	1·77	Berhampore.
20	3	4	1			1		2	N 16° E	1·2			1·3	81		·823		3·6		7	4·90	+ 2·10	3·89	4·49	— 0·60	47·67	53·10	— 5·43	1·15	Rampur Boalia.
	3	8	1	4	3	4	2	6	N 6° E	?				87		·846		2·9		5	4·39	+ 0·61	9·33	4·18	+ 5·15	43·02	50·12	— 7·10	5·90	Malda.
			2						E	1·1			0·9	84	— 2	·841	−·024	3·5	0	8	4·81	+ 3·16	5·64	4·21	+ 1·43	63·84	61·52	+ 2·32	2·55	Bogra.
29																														
15	2	6	2	1		1	2	2	N 27° E	1·3			1·2	87	+ 2	·823	+·015	5·0	+1·9	7	3·64	+ 3·36	7·84	3·02	+ 4·82	66·38	67·03	— 0·65	3·02	Dinajpur.
18	1	7	1			2	1	1	N 31° E	1·2			1·1	85		·828		5·5		4	4·03	- 0·03	8·57	4·91	+ 3·63	72·79	78·45	— 5·66	4·32	Rangpur.
8	3	9	8	2	1				N 66° E	1·18			61·2	92	+ 4	·801	+·024	4·1	+0·8	5	4·71	+ 0·29	2·09	2·82	— 1·73	122·61	117·00	+ 5·61	0·87	Jalpaiguri.
15		1	11	4					S 82° E	1·2			1·3	84		·767		4·0		7	4·17	+ 2·83	14·92	4·79	+ 10·13	183·19	120·02	+63·17	4·70	Cooch Behar
14	1	3	4	5				4	N 71° E	1·9	1·4	+36	1·7	87	— 1	·808	+·008	3·6	+1·0	4	3·39	+ 0·61	1·13	3·44	- 2·31	58·34	62·01	— 3·67	0·44	Purnea.
3	11	2					1	14	N 24° W	2·5			1·9	79	— 7	·784	−·056	3·5	−1·1	5	6·32	- 1·32	4·02	5·74	— 1·72	47·66	58·13	- 10·47	1·28	Balasore.
2	3	3		1			8	14	N 47° W	4·7			4·2	84		·791		3·4		3						59·82			0·39	Angul.
6	7	1	1		1		5	10	N 32° W	3·9	5·8	−33	4·1	3	- 1	·870	−·007	5·1	+0·5	6	7·74	— 1·74	10·01	8·58	+ 1·43	36·60	58·79	- 21·99	3·58	False Point.
19	1	3	2			2	4		N 27° W	2·0	1·9	+ 5		81	+ 2	·804	+·017	3·7	+0·1	4	6·06	— 2·06	5·76	5·24	+ 0·52	42·83	54·93	—12·10	4·07	Cuttack.
5	21	1	1		1			2	N 1° E	8·1			7·5	84		·894		2·7		8	7·62	+ 0·38	8·08	8·98	— 0·90	37·74	52·02	—14·28	2·32	Puri.
														77	+1	·715	+·026	1·8	− 0·4				1·24	2·63	—1·39					V.—Gangetic Plain and Chota Nagpur.
4	4	2	4		1	3	6	7	N 49° W	6·1	5·0	+22	5·5	74	+ 4	·613	+·034	3·7	+0·2‡	8	4·48	+ 3·52	2·74	3·14	- 0·40	34·60	50·47	—15·87	1·25	Hazaribagh.
3	3	1	1		1	2	9	11	N 62° W	5·6			6·6	75	+ 3	·624	+·038	3·9	+0·8	6	4·35	+ 1·65	2·99	2·92	+ 0·07	53·11	51·45	+ 1·66	1·69	Ranchi.
25			4		1	1			S 56° E	2·8			2·3	89		·714		2·2		6	3·06	+ 2·94	2·01	2·40	— 0·39	48·08	41·70	+ 6·38	0·51	Daltonganj.
7		2	1			2	13	6	N 76° W	3·2			2·6	84		·752		3·1		6	3·80	+ 2·20	2·41	3·17	- 0·76	47·61	48·83	- 1·22	0·95	Purulia.
29		2							N 45° E	?			?	86	+ 6	·751	+·012	3·5	+0·3	8	4·19	+ 3·81	4·42	2·29	+ 2·13	40·21	46·61	- 6·40	1·20	Chaibassa.
17		2	1		4	3	4		S 39° W	4·1	1·5	+173	3·2	76	+ 2	·735	+·051	3·1	+0·1	5	2·10	+ 2·10	3·67	2·20	+ 1·47	44·82	44·44	+ 0·38	1·65	Gaya.
5		1	1		10	11	2	1	S 29° W	3·8			3·4	74		·714		2·8		2	2·78	— 0·78	0·64	2·49	- 1·85	32·65	40·86	- 8·21	0·43	Dehri.
5	1	3	3	2	3	3	10	1	S 63° W	2·3	1·9	+21	2·6	75	+ 2	·784	+·053	2·1	−0·3	3	3·13	— 0·13	1·79	3·26	- 1·47	37·10	45·90	- 8·80	1·36	Patna.
13		4	2	3	2	5	1	1	S 27° E	1·0			1·0	79		·743		0·9		4	3·48	+ 0·52	0·91	2·77	- 1·86	37·53	43·27	- 5·74	0·28	Arrah.
6			5	1	2	11	6		S 36° W	3·8			3·6	76		·710		2·1		2	2·84	- 0·84	2·13	2·96	- 0·83	31·80	39·22	- 7·72	2·03	Buxar.
16	1	4	1	1	1	2	3	2	N 27° W	1·9			1·7	76		·795		2·8		2	3·03	- 1·03	1·18	3·54	- 2·36	34·05	46·57	—12·52	0·68	Bhagalpur.
29		1			1				None	3·81	2·2	+73	3·41	86	+ 3	·818	+·035	1·6	—0·4	1	3·03	- 2·03	0·31	3·24	- 2·93	54·62	48·62	+ 6·00	0·29	Darbhanga.
4		2	12		1		7	2	N 45° E					82		7·88		1·6		2			0·57			28·44¶			0·32	Fusa.
25	3		2	2			1	1	S 63° E	0·5				84		·830		0·6		3	2·87	+ 0·13	0·52	2·92	— 2·40	55·30	43·28	+12·02	0·20	Muzaffarpu
17	1	5	6		1	1			N 72° E	1·5			1·3	86		·769		1·7		2	2·71	— 0·71	0·48	3·38	- 2·90	67·01	49·27	+17·74	0·29	Motihari.
23	5				1	1	1		N 31° W	2·4			2·1	83		·783		0·5		1	2·81	- 1·81	0·20	2·63	— 2·43	39·01	38·62	+ 0·39	0·20	Chapra.
12			1	1	2	9	6		S 50° W	1·8	2·6	−31	2·0	73	— 4	·697	+·018	1·3	−0·9	0	2·20	- 2·20	0	2·56	— 2·56	38·20	38·96	— 0·76	0	Benares.
7	1	2	1	1		5	9	5	N 83° W	3·4	2·8	+21	2·8	70	+ 1	·666	+·032	1·5	−0·5	0	1·90	- 1·90	0	2·57	- 2·57	26·99	38·62	—11·63	0	Allahabad.
29						1	1		N 66° W	0·1	1·3	−92		75	— 2	· 743	+·029	0·5	- 1·1	1	2·10	— 1·10	0·14	4·19	— 3·65	42·45	49·69	— 7·24	0·50	Gorakhpur.
25					2	2	1		N 86° W	1·0	1·9	−47	1·1	69	— 3	·624	−·004	0·5	-0·9	0	1·60	— 1·60	0	1·16	- 1·16	46·50	36·63	+9·87	0	Lucknow.
16	1	1	4	4	1	1	2	2	S 54° W	1·8			1·7	73	— 3	·701	+·010	0·5	-0·8	1	1·40	— 0·40	0·20	1·55	- 1·35	38·79	45·27	— 3·48	·12	Bahraich.
19						8	3	1	S 62° W	0·8				66	0	·600	−·002	0·1	—1·0	0	1·50	— 1·50	0·03	1·42	- 1·39	31·05	33·88	— 2·83	0·03	Cawnpore.
15	2	1	1			1	5	6	N 53° W	1·1			1·1	69	+ 4	·567	+·035	0·4	—0·7	0	0·80	- 0·80	0	1·12	—1·12	22·52	28·90	— 6·38	0	Mainpuri.

§ Mean of 20 days.

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

‡ Mean of 27 days.

¶ Since 1st August, 1906.

Ta

Abstract of Observations taken at 8 h., at 235 Stat

Number of rainfall division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 h. in inches.								Temperature of air.											
			Mean 8 h. pressure reduced to 32°.	Departure from normal.	Mean 8 h. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 h. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
	VI.—Upper Sub-Himalayas.			+·017								90·6	—0·4	64·2	+2·4	77·4	+1·0	26·4					
24	Bareilly	568	29·331	+·007	29·876	29·403	16th	29·168	1st	·235	69·9†	89·4†	−0·1†	63·8†	−1·5†	76·6†	−0·8†	25·6†	91·8	13th	57·0	25th	
	Dehra Dun	2,233	27·694	+·016	29·919	27·760	12th	27·553	1st	·207	68·7	83·7	+1·4	62·1	+1·5	72·9	+1·5	21·6	87·0	1st	54·0	23rd	
	Roorkee	899	29·018	+·026	29·912	29·090	12th & 29th.	28·859	1st	·231	69·7	88·0	−1·3	63·0	+1·7	75·5	+0·2	25·0	90·5	10th	52·4	25th	
22	Meerut	738	29·175	+·024	29·897	29·252	20th	29·025	1st	·227	72·3	90·3	−0·2	63·5	+1·1	76·9	+0·5	26·8	92·6	9th, 12th & 15th.	54·3	31st	
26	Delhi	718	29·199	+·023	29·896	29·266	20th	29·058	1st	·208	75·1	91·6	−0·5	70·1	+2·2	80·9	+0·9	21·5	94·7	12th	60·6	27th	
28	Lahore	702	29·191	+·009	29·894	29·285	20th	29·034	1st	·251	71·8	94·1	−1·0	63·9	+4·8	79·0	+1·9	30·2	97·9	14th	54·1	25th	
27	Sirsa	662	29·254	+·026	29·897	29·330	25th	29·124	1st	·206	75·4	95·4	−0·7	66·7	+4·1	81·1	+1·7	28·7	98·8	13th	56·1	25th	
	Patiala	*818*	29·088		29·893	29·164	20th	28·940	1st	·224	72·9	91·2		64·0		77·6		27·2	94·6	1st	51·0	31st	
29	Ludhiana	812	29·093	+·019	29·892	29·168	25th	28·937	1st	·231	74·8	92·3	+0·4	66·0	+3·0	79·2	+1·7	26·3	96·5	2nd	55·6	31st	
	Sialkot	830	29·072	+·021	29·893	29·158	20th	28·925	1st	·233	73·0	91·8	−0·5	64·3	+2·4	78·1	+1·0	27·5	96·6	20th	53·2	26th	
	Ambala	892	29·004	+·013	29·886	29·080	20th	28·855	1st	·225	72·3	90·6	−2·6	63·3	+2·5	77·0	−0·1	27·3	93·5	1st, 2nd & 7th.	53·0	26th	
	Rawalpindi	1,674	28·232	−·001	29·921	28·344	20th	28·086	1st	·258	69·2	88·9	+0·7	60·2	+4·4	74·6	+2·6	28·7	93·4	8th, 13th & 14th.	50·1	26th	
	VII—Indus Valley and N.-W. Rajputana.			+·019								95·6	+0·3	67·9	+3·1	81·8	+1·7	27·7					
32	Peshawar	1,110	28·810	−·010	29·931	28·944	20th	28·643	1st	·301	70·7	88·4	0	61·9	+4·7	75·2	+2·4	26·5	97·7	8th	52·9	25th & 27th.	
	D. I. Khan	590	29·308	−·010	29·865	29·455	20th	29·134	1st	·321	71·7	93·8	−0·2	63·5	+2·9	78·7	+1·4	30·3	99·2	2nd	54·1	25th	
31	Khushab	612	29·300	+·027	29·896	29·423	20th	29·133	1st	·290	75·3	94·6	+0·8	66·0	+4·1	80·3	+2·5	28·6	100·9	8th	57·0	27th	
	Montgomery	558	29·350	+·022	29·886	29·445	25th	29·191	1st	·254	77·8	96·2	−0·4	65·7	+3·5	81·0	+1·6	30·5	101·8	13th	57·5	25th	
	Multan	420	29·468	−·002	29·863	29·588	20th	29·301	1st	·287	75·7	97·5	+2·0	68·3	+3·9	82·9	+3·0	29·2	102·9	1st	58·9	25th	
47	Jacobabad	186	29·739	+·028	29·892	29·854	25th	29·593	1st	·261	72·7	100·1‡	+1·1‡	66·4	+3·7	83·4‡	+2·4‡	33·8	103·9	1st	58·9	31st	
	Hyderabad (a)	96	29·840	+·031	29·892	29·916	25th	29·718	1st	·198	30·4	97·9	−0·1	71·9	+1·9	84·9	+0·9	26·0	104·6	27th	66·0	31st	
	Kurrachee	30	29·928	+·025	29·909	29·999	12th	29·847	1st	·152	78·5	91·8	+0·2	73·4	+2·5	82·6	+1·4	18·4	98·4	26th	66·2	21st, 25th & 31st.	
51	Bikaner	*771*	29·147	+·057	29·897	29·227	25th	29·047	1st	·180	79·3	96·2	+0·4	73·2	+1·8	85·8	+1·1	23·1	100·1	1st	62·0	26th	
	Pachpadra	*380*	29·577	+·042	29·918	29·636	12th	29·491	28th	·145	80·2	98·1	+0·6	66·8	+1·9	82·4	+0·7	31·3	101·8	13th	57·4	31st	
	Jodhpur	782	29·169		29·942	29·237	12th	29·087	5th	·159	78·2	96·7		69·7		83·2		27·0	101·2	13th	61·7	26th	
	VIII.—East Rajputana Central India and Gujarat.			+·029								92·9	+0·1	69·0	+1·4	81·0	+0·8	23·8					
50	Jaipur	1,431	28·524	+·026	29·931	28·581	16th	28·436	5th	·145	78·5	95·6	+1·3	67·1	+3·1	81·4	+2·2	28·5	99·2	10th, 12th & 13th.	56·0	26th	
	Kotah	819?	29·101		29·930	29·167	16th	29·019	1st	·148	78·4	93·4		69·9		81·7		23·5	97·0	6 days	60·0	26th	
	Sambhar	1,254	28·687	+·029	29·928	28·741	16th	28·600	1st	·141	75·2	95·0	+1·7	66·7	+3·1	80·9	+2·4	28·3	99·5	11th	53·9	26th	
	Ajmer	1,611	28·352	+·027	29·951	28·402	16th	28·270	1st	·132	75·2	93·5	+1·5	69·2	+6·0	81·4	+3·6	24·3	98·4	11th	58·7	26th	
	Udaipur	1,925	28·045		29·950	28·108	12th	27·974	5th	·134	73·7	89·8		63·9		76·9		25·9	93·0	12th	55·2	26th	
46	Bhuj	395	29·569	+·041	29·921	29·635	12th	29·490	28th	·145	79·7	94·3	−1·8	71·4	+0·5	82·9	−0·7	22·9	99·6	28th	67·5	31st	
	Jamnagar	61	29·805		29·911	29·989	13th	29·831	28th	·158	80·1	94·1		71·8		82·9		22·3	99·1	21th	62·7	31st	
	Rajkot	429	29·537	+·034	29·921	29·599	12th	29·469	28th	·130	80·4	94·4	−0·9	68·4	+0·3	81·4	−0·3	26·0	97·9	21st	62·0	31st	
	Veraval	*18*	29·944	+·031	29·904	30·015	12th	29·875	27th	·140	80·8	90·2	+0·9	73·9	+1·6	82·1	+1·3	16·3	98·6	25th	68·8	28th	
	Dwarka	37	29·935		29·918	30·012	12th	29·854	28th	·158	81·1	87·4		75·4		81·4		12·0	98·3	26th	69·7	23rd	
	Bavnagar Para	55	29·917	?	29·916	29·984	12th	29·842	28th	·142	79·8	96·8	+0·7	70·1	?	83·4	?	26·7	99·1	15th	64·0	24th & 25th.	
49	Nowgong	757	29·173	+·017	29·909	29·227	12th	29·067	1st	·160	71·9	87·5	−2·8	65·7	+0·6	76·6	−1·1	21·8	91·0	25th	54·5	27th	
	Indore	1,823	28·150	+·042	29·950	28·213	12th	28·093	28th	·120	74·5	87·8	−0·1	62·5	−1·1	75·2	−0·6	25·3	90·6	14th & 25th.	54·1	27th	
	Neemuch	1,924	28·332	+·021	29·935	28·386	12th	28·277	5th	·109	75·9	90·7	+0·3	64·3	−0·2	77·5	+0·1	26·4	94·0	16th, 18th & 19th	55·3	27th	
45	Surat	39	29·927	+·030	29·911	29·994	12th	29·854	28th	·140	79·2	94·5	+1·5	71·6	+0·8	83·1	+1·2	22·9	98·7	21st	65·5	28th	

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

(a) Observations for 30 days.

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

Note 2.—The data, from which divisional means of the figure columns Nos. 41, 42 an

* Mean of 30 days.
† „ 19 „
‡ „ 21

I—*continued.*

in India, Burma, etc., in October, 1906—continued.

Wind Direction. Number of winds from Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	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 h. Mean humidity at 8 h.	Departure from normal.	Mean vapour tension at 8 h.	Departure from normal.	Cloud. Mean cloud amount at 8 h.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 31st October, 1906.	Normal rainfall for period, 1st May to 31st October.	Departure from normal of period, 1st May to 31st October, 1906.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31		33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
														67	+ 4	·535	+ ·070	0·3	−0·5				0·06	0·37	0·31					VI.—Upper Sub-Himalayas.
28			1				2		W	0·9	1·9	−53	0·9	79†	+ 4	·595†	−·010		−0·5	0	0·91	−0·91	0	1·00	−1·00	37·74	44·63	− 6·89	0	Bareilly.
31									None.	1·4	1·7	−18		69	+ 1	·497	+ ·054	0·1	−1·1	1	1·10	−0·10	0·38	0·92	−0·54	73·47	81·87	− 8·40	0·38	Dehra Dun.
19	1	1	2	6				2	S 79° E	1·6	1·4	+14	1·6	80	+ 6	·591	+ ·066	0	−0·7	0	0·80	−0·80	0	0·38	−0·38	49·83	38·25	+11·58	0	Roorkee.
26			1			1	3		S 75° W	0·5	1·4	−64	0·5	69	+ 3	·554	+ ·070	0·1	−0·5	0	0·50	−0·50	0	0·35	−0·35	37·73	26·39	+ 9·34	0	Meerut.
4	1		1	1		2	18	4	N 85° W		2·4			59	+ 9	·521	+ ·099	0·6	−0·2	0	0·60	−0·60	0	0·05	−0·06	28·13	24·80	+ 3·33	0	Delhi.
19	1	1	1	1	1		6	1	N 81° W	1·2	1·6	−25	1·3	67	+10	·531	+ ·101	0·5	0	0	0·49	−0·40	0	0·20	−0·20	15·49	16·36	− 0·87	0	Lahore.
24						3	3	1	S 76° W	1·1	2·5	−56	0·9	56	+ 6	·499	+ ·099	0·4	−0·3	0	0·40	−0·40	0	0·11	−0·11	9·34	12·36	− 3·02	0	Sirsa.
3	2	1	5	7	1	1	5	6	N 70° E	3·0			3·1	66		·544		0·1		0			0			30·36			0	Patiala.
18	1			2			7	3	N 77° W	1·8	0·9	+100	1·6	56	− 5	·497	+ ·039	0·2	−0·8	0	0·50	−0·50	0	0·33	−0·33	17·89	23·19	− 5·30	0	Ludhiana.
12	2	5	10	2					N 71° E	1·4	1·4	0	1·2	65	+ 6	·557	+ ·103	0·1	−0·6	0	1·09	−1·00	0·05	0·25	−0·20	28·23	24·89	+ 3·34	0·05	Sialkot.
20			1	5				5	E	1·7			1·5	73	+ 3	·580	+ ·070	0·2	−0·3	0	0·40	−0·40	0	0·03	−0·03	30·85	26·97	+ 3·88	0	Ambala.
21	1	4	2				1	2	N 25° E	1·8	1·2	+50	1·7	64	+ 2	·471	+ ·080	0·5	−0·5	1	1·30	−0·30	0·24	0·44	−0·20	39·13	24·38	+14·75	0·17	Rawalpindi.
														57	+ 4	·520	+ ·077	0·7	−0·1				0·07	0·05	+ 0·02					VII.—Indus Valley and N.-W. Rajputana.
30							1		W	0·1	2·5	−96	0·1	61	+ 2	·469	+ ·086	0·8	−0·1	1	0·40	+0·60	0·39	0·09	+0·30	3·61	5·68	−2·07	0·33	Peshawar.
28		3							N 45° E	0·2	1·2	−83	0·2	65	+ 8	·520	+ ·113	0·1	−0·4	0	0·20	−0·20	0	0·04	−0·04	10·07	5·32	+4·75	0	D. I. Khan.
6		13	4	3	3	2			N 79° E	5·8			5·6	53	+ 8	·475	+ ·124	0·1	−0·2	1	0·20	+0·80	0·26	0·01	+0·25	10·40	10·30	+0·10	0·26	Khushab.
3	1	3	3	4	21	5	1		S 13° E	5·6			5·7	52	+ 6	·500	+ ·095	0·4	−0·2	0	0·10	−0·10	0·05	0·03	+0·02	10·81	7·78	+3·03	0·05	Montgomery
15		4		5	2	5			S 25° E	1·5	2·0	−25	1·4	56	0	·498	+ ·036	0·1	−0·3	0	0	0	0	0	0	1·59	5·67	−4·08	0	Multan.
12	3	2		2	3	4		5	N 75° W	2·2	2·2	0	2·8	64	+12	·518	+ ·080	0	−0·3	0	0	0	0	0	0	1·25	2·67	−1·42	0	Jacobabad.
	4	2			4	18	1	1	S 50° W	8·4	7·8	+ 8	7·5	56	+ 3	·581	+ ·086	0	−0·6	0	0	0	0	0	0	4·50	6·07	−1·57	0	Hyderabad.
5	2	2					7	15	N 49° W	9·7	9·7	0	8·3	76	+ 6	·739	+ ·080	2·2	+1·0	0	0	0	0	0	0	4·26	6·65	−2·39	0	Kurrachee.
9				3	4	8	7		S 42° W		4·0			50	+ 3	·569	+ ·060	0·9	0	0	0·30	−0·30	0	0·09	−0·09	7·76	10·12	−2·36	0	Bikaner.
2	1	3	4	3	3	6	5	4	S 48° W	6·0	3·7	+62	5·6	46	− 7	·453	+ ·005	0·9	−0·2	0	0·20	−0·20	0	0·07	−0·07	7·85	12·49	−4·64	0	Pachpadra.
2	6	2	3	1	2	5	6	4	N 61° W	3·8			3·2	44		·431		2·0		0	0·30	−0·30	0	0·17	−0·17	8·97	12·43	−3·46	0	Jodhpur.
														62	+ 1	·599	+ ·026	1·7	+ 0·3				0·28	0·63	−0·33					VIII.—East Rajputana, Central India and Gujarat.
11	6	3	1	1			2	7	N 14° W	3·5	3·7	− 5		47	− 3	·457	+ ·012	0·8	−0·3	0	0·50	−0·50	0	0·22	−0·22	11·23	24·48	−13·15	0	Jaipur.
25							3	3	N 67° W	1·4			1·1	52		·509		2·6		1	0·60	+0·40	0·49	0·50	−0·01	35·79	29·11	+6·68	0·49	Kotah.
20	1	1		1			6	2	N 68° W	4·7	4·7	0		55	+ 4	·486	+ ·062	0·8	−0·1	0	0·40	−0·40	0	0·13	−0·13	13·35	19·27	+2·08	0	Sambhar.
14		2		2		2	7	4	N 81° W	4·1	2·6	+58	3·6	56	−3?	·495	+ ·031	2·1	+1·1	0	0·60	−0·60	0·02	0·29	−0·27	17·61	20·38	−2·77	0·02	Ajmer.
20	2				1	1	5	2	N 76° W	2·9			2·6	63		·537		1·9		0	0·80	−0·80	0·10			25·05			0·08	Udaipur.
1	5	1				2	7	15	N 51° W	7·4	6·0	+23	6·2	73	+13	·730	+ ·125	2·2	+1·1	2	0·50	+1·50	1·50	0·28	+1·22	16·42	13·99	+ 2·43	1·20	Bhuj.
17	2	1	1		2	7		1	S 48° W	7·5			7·4	70		·719		0·2		0			0			23·31			0	Jamnagar.
16	4	2	1			4	2	2	N 43° W	2·4	5·6	−57	2·9	61	− 6	·622	−·036	1·5	+0·3	4	0·90	+3·10	1·23	0·49	+0·74	25·66	27·62	−1·96	0·60	Rajkot.
	13	8				1	6	3	N 9° W	6·2	2·4	+158	6·2	65	− 1	·676	+ ·014	1·3	−1·0	0	0·10	−0·10	0	0·77	−0·77	23·74	17·55	+4·19	0	Veraval.
1	7	3		1	1	3	5	10	N 43° W	10·1				80		·855		2·7		1			0·42			20·74			0·38	Dwarka.
1	2	2	1	1		2	4	18	N 56° W	5·2			4·4	58	− 6	·598	−·052	2·5	+ 1·0	0	0·90	−0·90	0·11	0·29	−0·18	19·74	18·99	+0·75	0·18	Bhavnagar Para.
8	1				9	7	10	1	S 65° W	1·3	1·5	−13	1·3	77	+8?	·610	+ ·043	3·3	+1·5	1	1·70	−0·70	0·91	1·25	−0·34	45·77	42·68	+3·09	0·91	Nowgong.
24	2	2				4	2		N 40° W	2·1	2·3	− 9	1·7	64	+ 2	·555	+ ·013	1·8	+0·4	0	2·40	−2·40	0·13	1·43	−1·30	46·95	32·61	+14·34	0·09	Indore.
5	6	8	1			4	7	5	N 49° W	5·5	7·9	−30	4·6	52	+3?	·470	+ ·015	2·0	+0·9	0	0·90	−0·90	0	0·41	−0·41	26·25	29·10	−2·85	0	Neemuch.
6	9	4	6		2		2	3	N 21° E	3·8	5·1	−25	3·6	69	− 4	·694	−·024	1·2	−0·8	1	2·20	−1·20	0·12	2·00	−1·88	29·69	43·73	−14·04	0·12	Surat.

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

Ta

Abstract of Observations taken at 8 h., at 235 Stati

Number of rainfall division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 h., in inches.								Temperature of air.											
			Mean 8 h. pressure reduced to 32°.	Departure from normal.	Mean 8 h. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 h temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean, between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
45	Ahmedabad .	163	29·800	+·027	29·914	29·863	12th	29·731	28th	·132	80·8	96·1	−0·6	72·6	+0·5	84·4	−0·1	23·5	101·1	22nd	66·7	30th	
	Deesa . .	466	29·488	+·029	29·915	29·555	12th	29·413	28th	·142	78·8	97·9	+1·0	66·3	−0·5	82·1	+0·3	31·6	103·3	21st	58·9	27th & 31st.	
22	Agra . .	556	29·370	+·017	29·897	29·427	16th	29·217	1st	·180	76·0	93·7	+0·4	70·0	+2·4	81·9	+1·4	23·7	97·0	8th, 12th & 13th.	61·4	26th	
21	Jhansi . .	858	29·088	+·030	29·918	29·146	16th	28·979	1st	·167	77·2	92·2	−0·7	71·1	+2·0	81·7	+0·7	21·1	95·2	13th, 23rd & 25th.	63·1	28th	
	IX.—Deccan.			+·021								88·7	0	67·1	−0·4	77·9	−0·2	21·6					
38	Belgaum .	2,539	27·408	+·017	29·896	27·486	12th	27·328	28th	·158	72·4	82·9	−0·2	65·3	+0·3	74·1	+0·1	17·6	85·3	2nd & 14th.	51·4	30th	
	Sholapur .	1,590	28·355	+·016	29·909	28·416	12th	28·279	28th	·137	76·6	91·6	+1·7	69·2	+1·1	80·4	+1·4	22·4	94·2	2nd & 18th.	59·6	28th	
	Poona . .	1,846	28·125	+·028	29·941	28·185	12th	28·056	28th	·129	74·2	89·9	+1·4	63·2	−3·3	76·6	−1·0	26·7	93·0	22nd	52·8	30th	
	Bijapur . .	*1,948*	27·996	+·015	29·903	28·056	12th	27·924	28th	·132	75·3	87·5	−0·7	68·6	+0·8	78·1	+0·1	18·9	90·7	5 days	60·2	26th & 28th.	
40	Malegaon .	1,430	28·529	+·021	29·937	28·587	12th	28·469	28th	·118	73·7	92·5	+1·5	62·6	−3·2	77·4	−0·9	29·5	93·9	14th	56·2	25th & 28th	
	Ahmednagar .	2,154	27·825	+·028	29·934	27·885	12th	27·749	28th	·136	76·4	90·6	+2·5	65·1	?	77·9	?	25·5	96·4	14th	57·1	26th	
41	Akola . .	930	29·022	+·024	29·923	29·083	12th	28·950	28th	·133	75·1	92·5	+1·2	64·2	−2·0	78·4	−0·4	28·3	94·8	4 days.	56·3	29th	
	Amraoti .	1,215	28·734	+·028	29·915	28·796	12th	28·652	28th	·144	77·5	91·8	+1·2	68·1	−0·1	80·0	+0·6	23·7	94·2	21st 26th.	62·8	28th & 29th.	
42	Khandwa .	1,044	28·907	+·028	29·930	28·958	12th	28·842	28th	·116	73·1	90·8	−0·3	64·6	−1·7	77·7	−1·0	26·2	94·2	15th	57·1	27th, 28th & 29th.	
	Hoshangabad	1,006	28·952	+·022	29·940	29·018	12th	28·889	5th	·124	72·3	88·0	−1·6	63·5	−3·4	75·8	−2·5	24·5	90·5	17th & 25th.	56·4	29th	
	Nagpur . .	1,017	28·926	+·032	29·917	28·986	12th	28·826	10th	·160	75·2	89·8	−0·3	66·9	−1·5	78·4	−0·9	22·9	92·1	2nd & 3rd	61·1	28th	
43	Chanda . .	*634*	29·297	+·015	29·888	29·361	12th	29·187	10th.	·177	76·0	89·2	−0·9	68·2	−0·3	78·7	−0·6	21·0	91·5	4th, 10th & 11th.	57·1	28th	
	Seoni . .	2,033	27·918	+·023	29·925	27·977	12th	27·827	30th	·150	73·0	87·1	+0·5	64·7	+0·5	75·9	+0·5	22·4	89·3	3rd & 14th.	59·5	24th 26th & 27th.	
	Jubbulpore .	1,327	28·613	+·024	29·929	28·678	1st	28·542	12th	·136	71·1	87·1	−0·3	64·0	0	75·6	−0·2	23·1	89·9	9th, 16th & 14th.	53·3	27th	
	Saugor . .	1,807	28·140	+·023	29·922	28·195	12th	28·067	5th	·128	74·9	86·9	−0·7	66·0	+0·3	76·5	−0·2	20·9	89·6	14th & 16th	59·5	27th & 28th.	
49	Sutna . .	1,040	28·880	+·012	29·903	28·944	12th	28·776	1st	·168	74·0	87·3	−0·6	67·3	+1·6	77·3	+0·5	20·0	89·9	25th	56·2	27th	
44	Raipur . .	970	28·956	+·014	29·895	29·014	16th	28·844		·170	74·4	86·8	−1·5	68·6	−1·1	77·7	−1·3	18·2	91·6	2nd	59·4	27th & 28th.	
	Pendra . .	2,123?	27·896		29·904	27·965	12th	27·804	1st	·161	72·6	83·9		65·5		74·7		18·4	86·3	2nd, 9th & 16th.	56·6	27th	
	Sambalpur .	486	29·444	+·012	29·885	29·512	16th	29·324	29th	·188	77·5	87·8	−1·0	72·8	+0·9	80·3	−0·1	15·0	91·1	2nd & 19th.	65·1	27th	
39	Aurangabad .	1,905	28·059		29·911	28·141	12th	28·001	31st	·140	78·8	90·9		64·3		77·7		26·6	93·2	16th	54·7	27th	
	Indur . .	1,260	28·691		29·914	28·750	12th	28·585	29th	·165	78·1	89·2		68·1		78·7		21·1	91·8	14th	60·1	29th	
	Bidar . .	*9,165*	27·805		29·924	27·857	12th	27·695	30th	·162	76·0	86·2		69·5		77·9		16·7	90·7	4th	61·3	28th	
53	Gulbarga .	1,503	29·424	?	29·891	28·470	17th	28·329	29th	·141	75·9	89·7	−0·4	69·9	+0·8	79·8	+0·2	19·8	95·0	2nd	61·3	26th	
	Raichur . .	1,311	28·619	+·018	29·886	28·677	12th	28·528	28th	·149	78·7	89·5	+0·5	72·7	+0·5	81·1	+0·5	16·8	93·6	2nd	62·2	28th	
	Hyderabad (Deccan).	1,690	28·248	+·017	29·899	28·306	12th	28·111	28th	·195	75·9	87·5	−0·1	70·1	+2·0	78·7	+1·0	17·4	93·3	4th	63·2	28th	
	Hanumkonda .	871	29·045		29·871	29·116	12th	28·872	29th	·214	78·0	89·7		72·6		81·2		17·1	94·0	4th	64·2	27th	
	X.—West Coast.			+·009								86·3	+0·4	75·3	+0·7	80·8	+0·6	11·1					
37	Bombay .	37	29·919	+·021	29·896	29·990	12th	29·846	28th	·144	79·1	88·9	+1·4	76·4	−0·1	82·7	+0·7	12·5	94·0	24th	72·0	30th	
	Ratnagiri .	110	29·830	+·026	29·880	29·896	12th	29·763	28th	·133	79·9	88·8	+0·6	74·8	+0·8	82·0	+0·7	14·0	98·3	23rd	66·9	30th	
	Mormugao .	*60*	29·892	+·020	29·887	29·968	12th	29·827	28th	·141	78·8	85·0	−1·0	75·4	−0·2	80·2	−0·6	9·6	88·5	20th & 24th	72·4	31st	
	Goa . .	199	29·736	+·001	29·875	29·812	12th	29·664	28th	·148	79·5	86·2	+0·9	76·6	+1·1	81·4	+1·0	9·6	91·0	24th	72·5	30th	
	Karwar . .	44	29·890	+·004	29·868	29·956	12th	29·824	24th & 28th.	·132	77·2	85·9	+0·5	74·4	+1·0	80·2	+0·8	11·5	91·3	24th	72·5	7th	
33	Cochin . .	10	29·933	−·001	29·872	29·991	12th	29·869	28th	·122	79·2	87·7	+1·5	74·9	+0·3	81·3	+0·9	12·8	90·3	10th & 11th.	69·7	26th	
	Calicut . .	27	29·915	0	29·871	29·971	2nd	29·837	18th	·134	79·1	86·7	+0·5	75·3	+0·8	81·0	+0·7	11·4	90·3	17th	72·2	31st	
	Mangalore .	65	29·884	+·006	29·881	29·962	12th	29·808	23rd	·154	79·8	84·9	−0·8	75·0	+0·4	80·0	−0·2	9·9	90·7	19th	71·9	30th	
	Trivandrum .	198	29·745	+·005	29·875	29·797	2nd	29·675	18th	·122	78·0	88·0	+0·3	74·7	+1·9	78·8	+1·1	8·3	85·0	8th	71·5	26th	

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

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

NOTE 2.—The data, from which divisional means of the figure columns Nos.

I—*continued.*

***in India, Burma, etc., in October, 1906*—continued.**

Wind Direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	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 h. Mean humidity at 8 h.	Departure from normal.	Mean vapour tension at 8 h.	Departure from normal.	Cloud. Mean cloud amount at 8 h.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 31st October, 1906.	Normal rainfall for period, 1st May to 31st October.	Departure from normal of period, 1st May to 31st October, 1906.	Heaviest rainfall during month.	Station
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
	5	8	8			1	5	4	N 22° E	4·3			3·7	58	+ 2	·599	+·038	2·5	+0·8	1	0·80	+0·20	0·12	0·77	−0·65	37.61	32·56	+ 5·05	0·10	Ahmedabad.
4	3	8	5	2	5	3		1	N 85° E	6 1	6·7	− 9		58	+ 8	·577	+·090	1·0	−0·3	1	0·45	+0·55	1·19	0·28	−0·09	22·53	23·61	− 1·08	0·10	Deesa.
10				7		13		1	S 20° W	3·2	3·0	+ 7	3·8	57	0	·519	+·022	1·0	+0·2	0	0·60	−0·60	0	0·38	−0·38	21·95	26·81	− 4·86	0	Agra.
23	1					4	3		S 72° W	1·6	2·6	−38	2·0	71	P	·671	P	0·5	−0·4	0	0·90	−0·90	0·01	0·54	−0·63	39·08	36·73	+ 2·35	0·01	Jhansi.
														68	0	·611	−·007	2·8	+0·3				1·06	2·73	−1·63					IX.—Deccan.
23		1	5	2					S 84° E	4·2	10·5	−60		81	+ 1	·645	+·020	4·0	−0·5	7	8·70	−1·70	4·99	5·96	− 0·97	42·87	45·85	− 2·98	2·60	Belgaum.
1	7	9	3	2			1	8	N 13° E	8·1	7·4	+ 9	8·0	62	− 1	·579	−·002	4·9	+0·5	3	4·70	−1·70	0·95	4·16	− 3·21	18·24	28·57	−10·33	0·46	Sholapur.
19	1	3	1				4	3	N 30° W	7·0	5·8	+21		60	− 11	·507	−·094	1·4	−2·5	3	5·60	−2·60	1·77	4·40	− 2·63	22·03	25·82	− 3·79	0·70	Poona.
3	2	11	4				6	5	N 10° E	5·3			5·8	75	+ 1?	·668	+·008	3·7	−0·3	5	6·60	−1·60	1·85	4·50	− 2·55	21·79	21·94	− 0·15	0·81	Bijapur.
3	2	3	1			1	8	13	N 49° W	10·0	4·5	+122	11·5	57	− 6	·487	−·093	2·1	−1·0	1	3·00	−2·00	0·19	2·42	− 2·23	22·22	23·04	− 0·82	0·17	Malegaon.
6	7	2	5			1		10	N 5° W	7·0			8·5	50	−18	·459	−·141	1·1	−1·6	2	5·20	−3·20	0·27	2·14	− 1·87	20·44	20·27	+ 0·17	0·13	Ahmednagar.
17			1	5	1		2	5	S 45° W	3·2	3·3	− 3	2·8	64	0	·571	+·001	1·4	−1·1	0	2·70	−2·70	0	2·74	− 2·74	35·01	31·74	+ 3·27	0	Akola.
9	5	13	3					1	N 38° E	3·7	2 9	+28	3·3	60	− 1	·551	−·011	1·8	−0·7	0	2·40	−2·40	0·09	2·33	− 2·24	36·92	32·36	+ 4·56	0·05	Amraoti
4				1		1	1	4	N 69° W	2·2	2·9	−24	2·2	67	+ 5	·5 5	+·014	2·3	+0·4	0	2 00	−2·00	0	1·45	− 1·45	44·76	30·13	+14·63	0	Khandwa.
7		2	3	1	1	5	2		S 7° W	1·4	1·5	− 7	1·4	74	+ 3?	·604	+·015	1·6	−0·5	0	2·10	−2·10	0	1·75	− 1·75	43·94	50·24	− 6·30	0	Hoshangabad.
7	10	9					1	1	N 8° E	3·4	4·3	−21	2·7	65	0	·576	−·019	1·8	−1·0	1	3·10	−2·10	0·20	2·43	− 2·23	60·81	46·43	+14·38	0·17	Nagpur.
6		1					2	2	N 52° W	1·8	2·3	−22	1·6	75	+ 3	·689	+·026	3·1	+0·5	0	2·70	−2·70	0·13	2·00	− 1·87	48·47	51·88	− 3·41	0·08	Chanda.
1	2	6	4	1		1	2	4	N 24° E	4·8	3·1	+55	4·3	65	− 1	·530	−·035	1·0	−1·3	0	2·80	−2·80	0·04	2·03	− 1·99	50·15	51·75	− 1·60	0·04	Seoni.
3	1	2	1	5	9	4	4	2	S.11° W	2·6	2·1	+24	2·3	62	−13?	·587	−·019	1·0	−1·0	0	2·20	−2·20	0	1·86	− 1·86	47·19	55·44	− 9·25	0	Jubbulpore.
2		4	1	2	3	13	6		S 43° W	5·1	2·7	+89	4·5	57	− 3	·496	−·014	1·4	−0·1	0	2·10	−2·10	0·12	1·27	− 1·15	48·67	46·11	+ 2·56	0·09	Saugor.
1		1	1			1	8	5	N 71° W	1·1	4·3	−74	1·0	78	+12	·657	+·087	2·3	+0·7	1	2·10	−1·10	0·40	2·45	− 2·05	46·56	43·00	+ 3·56	0·36	Sutna.
2	6	4			1	2	1		N 38° E	2·8	3·8	−26	3·4	80	+ 8	·688	+·034	1·5	−1·9	5	3·10	+1·90	1·41	2·09	− 0·68	40·06	48·21	− 8·15	0·52	Raipur.
2	1			1	1	1	1	6	N 45° W	3·0			2·6	73		·590		2·6		2			0·46		56·53			0·18	Pendra.
	8	7	7	2	5	2			S 67° E	4·1	2·0	+105	4·0	81	+ 3	·777	+·028	3·7	+1·1	3	3·60	−0·60	1·58	1·92	+ 0·06	48·54	64·10	−15·56	1·51	Sambalpur.
2	6	7				1			N 59° E	7·0			6·9	51		·584		1·8		1	3 40	−2·40	0·75	2·36	− 1·61	27·45	28·66	− 1·21	0·75	Aurangabad.
2	2		2					8	N 21° W	3·5			3·0	71		·687		4·1		3	2·90	+0·10	0·93	2·09	− 1·16	40·14	37·14	+ 3·00	0·40	Indur.
7	8	3	2	3	5	2	1		N 39° E	6·8			5·8	74		·673		4·7		4	4·40	−0·40	1·83	3·07	− 1·24	32·44	35·21	− 3·77	0·71	Bidar.
7	9	4		1				1	N 38° E	6·6			5·8	71	+ 1	·643	0	5·0	+1·4	6	5·00	+1·00	4·50	3·09	+ 1·41	31·14	29·35	+ 1·79	1·95	Gulbarga.
6	5	2			2	2	6		N 10° W	9·9			9·4	70	− 1	·694	+·021	5·3	+1·9	4	4·20	−0·20	1·26	4·31	− 3·05	29·43	28·64	+ 0·79	0·63	Raichur.
						2			W	2·8			2·7	76	+ 1	·683	+·020	4·0	+0·4	8			2·74	2·71	+ 0·03	27·96	28·45	− 0·49	0·79	Hyderabad (Deccan).
7	1		1	1	1		4		N 15° W	5·0			4·4	72		·706		4·2		3	4·10	−1·10	0·61			33·84			0·30	Hanumkonda
														84	−2	·826	−·012	4·7	−0·1			0	4·89	7·48	−2·59					X.—West Coast.
	18	9	1						N 56° E	7·6	9·8	−22		78	− 4	·777	−·068	2·6	−0·8	0	2·70	−2·70	0	2·24	− 2·24	56·15	74·45	−18·30	0	Bombay.
2	4	11	7	1					S 90° E	8·5	7·7	+10	8·4	78	0?	·788	−·017	2·6	−1·1	1	5·00	−4·00	0·32	4·47	− 4·05	91·30	106·61	−15·31	0·42	Ratnagiri.
1	9			8	2				S 66° E	5·9				90	0	·883	−·007	4·3	+0·3	8			2·51	6·17	− 3·66	86·01	91·18	− 5·17	0·55	Mormugao.
	5	19	1	1			2		N 75° E					81	− 4	·811	−·042	4·1	+0·1	8			2·76	5·42	− 2·66	89·02	96·66	− 7·64	0·50	Goa.
2	1					1			N 1° W	3·2				90	+ 1	·848	+·035	4·5	+0·5	4	8·50	−4·50	0·91	7·26	− 6·35	92·28	120·97	−28·69	0·28	Karwar.
1	4	13	7	1		1	1		S 86° E	5·9				83	− 2	·835	−·016	5·7	0	13	14·80	−1·80	10·62	13·92	− 3·30	87·63	98·96	−11·33	5·18	Cochin.
1	2	4	6	1		1	4		E	6·5			6·5	85	− 1	·839	+·003	6·7	+1·0	7	11·80	−4·80	9·47	9·75	− 0·28	92·70	104·12	−11·42	5·37	Calicut.
7	2	9	1	3	1		2		N 59° E	4·5	2·7	+67		85	− 2	·870	+·026	5·7	−0·2	6	10·30	−4·30	3·75	7·55	− 3·80	111·93	119·04	− 7·11	1·08	Mangalore.
5						1	5		N 28° W	2·7				82	− 2	·786	−·024	5·9	−0·9	14	11·90	+2·10	13·53	10·49	+ 3·04	54·84	46·63	+ 8·21	2·66	Trivandrum.

…n, the data for that station, are not utilized in calculating the provincial departures from normal.
…d 45 are derived, are incomplete.

* Mean of 29½ days.

T

Abstract of Observations taken at 8 h., at 235 Sta

Number of rainfall division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 h., in inches.								Temperature of air.											
			Mean 8 h. pressure reduced to 32°.	Departure from normal.	Mean 8 h. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest Pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 h. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean, maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	XI.—South India.			+ ·010								88·4	−0·1	73·1	+0·4	80·7	+0·2	15·3				
57	Pamban .	37	29·888	+ ·007	29·852	29·952	12th	29·769	28th	·183	80·7	87·3	+0·2	77·7	+0·4	82·5	+0·3	9·6	91·3	3rd	78·2	22nd
	Tinnevelly .	168	29·768	+ ·014	29·866	29·836	12th	29·688	29th	·148	81·5	91·9	−1·8	75·7	−0·9	83·8	−1·4	16·2	99·8	6th & 7th.	72·9	17th, 21st & 28th
	Madura .	447	29·490	+ ·026	29·877	29·549	8th	29·387	28th	·162	79·7	89·8	−1·5	74·3	+0·3	82·1	−0·6	15·5	95·9	3rd	69·1	11th
	Periyakulam .	944	28·978		29·871	29·038	8th	28·889	28th	·149	76·6	88·4		71·3		78·4		17·1	96·1	3rd	66·2	31st
34	Salem . .	940	29·009	+ ·002	29·899	29·069	12th	28·902	28th	·167	77·7	88·9	−0·7	72·2	+1·1	80·5	+0·2	16·7	97·2	3rd	67·4	29th
	Coimbatore .	1,348	28·586	+ ·008	29·894	28·647	12th	28·481	28th	·166	75·8	86·9	−1·4	70·5	−0·1	78·7	−0·8	16·4	91·9	8th	65·3	30th
35	Mercara .	3,781	26·250	+ ·014	26·183	26·314	12th	26·188	28th	·126	66·3	76·1	+0·3	62·6	+0·4	69·4	+0·4	13·5	79·5	9th & 11th.	58·1	30th
36	Chitaldroog .	2,405	27·546	+ ·008	29·900	27·620	12th	27·475	28th	·145	73·3	84·1	−0·5	67·7	−0·1	75·8	−0·3	16·4	88·1	3rd	62·9	27th & 30th.
	Bangalore .	3,021	26·957	+ ·001	29·906	27·010	12th	26·870	28th	·140	71·0	82·0	+0·6	65·1	−0·1	73·6	+0·2	16·9	85·8	2nd	58·4	30th
	Hassan . .	3,091	26·902	+ ·012	29·916	26·969	12th	26·834	28th	·135	71·3	82·3	+1·0	64·1	−0·2	73·2	+0·4	18·2	85·8	3rd	57·8	30th
	Mysore . .	,518	27·449	÷ ·005	29·913	27·508	12 t	27·387	28th	·121	72·7	83·5	−0·6	67·2	+0·2	75·4	−0·2	16·3	87·5	3rd	58·6	31st
56	Negapatam .	31	29·880	— ·003	29·840	29·951	12th	29·751	28th	·200	80·1	88·9	+0·5	76·4	+0·5	82·7	+0·5	12·5	95·9	7th	72·5	29th
	Cuddalore .	37	29·875	+ ·002	29·843	29·949	12th	29·736	28th	·213	80·4	88·8	+0·7	75·8	+1·1	82·3	+0·9	13·0	96·1	3rd	71·2	29th
	Trichinopoly .	255	29·674	+ ·010	29·864	29·742	12th	29·550	28th	·192	80·0	90·0	−1·0	74·4	+0·1	82·2	−0·5	15·6	101·6	3rd	71·9	15th & 18th
	Pudukkottai .	318	29·618		29·870	29·684	12th	29·504	28th	·180	79·5	90·4		74·0		82·2		16·4	98·5	1st & 2nd.	70·7	26th
	Madras . .	22	29·896	+ ·002	29·850	29·972	12th	29·716	28th	·256	80·8	89·8	+0·8	75·5	+0·4	82·7	+0·6	14·3	94·5	2nd & 13th.	69·0	28th
	Vellore . .	707	29·208		29·863	29·270	12th	29·083	28th & 29th.	187	78·0	89·7		72·4		81·1		17·3	96·9	21st	65·2	31st
55	Nellore . .	52	29·860	+ ·020	29·855	29·937	12th	29·674	28th	·263	80·9	91·2	0	76·1	+0·3	83·7	+0·2	15·1	99·3	1st	67·6	29th
	Masulipatam .	15	29·912	+ ·024	29·862	29·996	12th	29·654	28th	·345	82·1	90·1	+1·2	76·8	+0·8	83·6	+1·0	13·3	96·1	1st	70·6	26th
54	Cuddapah .	433	29·488	+ ·006	29·863	29·551	12th	29·361	28th	·190	80·0	91·4	−0·5	74·4	+0·2	82·9	−0·2	17·0	99·2	5th	68·5	27th
	Kurnool .	923	28·993	+ ·003	29·869	29·051	12th	28·883	29th	·168	77·6	90·2	−0·7	72·8	+1·8	81·5	+0·6	17·4	94·2	3rd	59·5	27th
	Bellary . .	1,475	28·456	+ ·013	29·890	28·523	12th	28·372	28th	·151	76·5	90·4	+0·7	71·6	+0·5	81·0	+0·6	18·8	96·5	24th	65·2	27th
52	Cocanada .	26	29·888	+ ·009	29·850	29·979	12th	29·595	28th	·384	80·8	89·1	+1·2	76·3	+0·5	82·7	+0·9	12·8	95·6	1st & 4th.	69·5	26th
	Waltair(Vizag.)	*226*	29·686	+ ·008	29·854	29·774	12th	29·327	29th	·447	82·1	88·4	?	76·7	?	82·6	?	11·7	90·9	1st	71·9	28th
	Colingapatam .	19	29·891		29·850	29·972	12th	29·653	29th	·319												
	Gopalpur .	72	29·857	+ ·025	29·871	29·935	16th	29·686	29th	·249	79·7	88·3	+0·7	75·3	+1·1	81·8	+0·9	13·0	92·7	2nd & 3rd.	68·5	25th
	XII.—Hill Stations.																					
48	Pishin . .											78·1		41·8		60·0		36·3	84·4	1st & 6th.	33·0	24th
	Quetta . .	5,502	24·738	+ ·010	24·698	24·801	20th	24·648	1st	·153	58·0	77·8	+3·2	40·3	+2·0	59·1	+2·6	37·5	83·1	7th & 15th.	34·8	31st
	Kalat . .										59·4	78·7	+4·9	33·5	+3·9	56·1	+4·4	45·2	89·1	7th	26·0	28th
	Chaman . .	4,311	25·798	— ·001	25·760	25·879	23rd	25·700	1st	·179	60·4	80·5	+1·8	52·7	+2·0	66·6	+1·9	27·8	86·8	1st, 12th & 14th.	42·8	23rd & 24th.
30	Leh . .	11,503	19·802	+ ·022	19·770	19·891	12th	19·717	27th	·174	42·4	69·2	+1·6	32·3	+2·4	46·3	+2·0	37·9	70·1	4th	22·9	25th
	Srinagar. .	5,204	24·976	— ·009	24·947	25·072	16th	24·856	1st	·216	51·8	74·0	+4·3	44·2	+4·4	59·1	+4·4	29·8	81·7	3rd	33·6	31st
	Sonemarg .	*8,764*	21·876		21·844	21·915	30th	21·803	5th	·112	37·7	59·2		31·6		43·4		27·6	67·9	9th	25·1	26th & 31st.
	Skardu . .	*7,505*	22·934		22·954	23·089	25th	22·903	5th	·186	49·6	69·9		42·4		56·2		27·5	79·5	2nd, 3rd & 10th.	32·6	25th, 26th & 31st.
	Dras . .	*10,059*	20·904		20·872	20·978	12th	20·835	27th	·143	46·7	59·7		30·2		45·0		29·5	69·4	4th	21·6	30th & 31st.
	Gilgit . .	4,890	25·215		25·188	25·340	25th	25·102	5th	·238	62·8	79·2	+5·3	55·2	+2·1	67·2	+3·7	24·0	90·3	2nd	45·7	25th
32	Chitral . .	*5,486*									50·3	79·7		47·8		63·8		31·9	92·2	8th	39·5	30th
	Killa Drosh .	4,700 ?									57·0	79·5		55·1*		67·3*		24·4	91·7	3rd	42·6	24th
	Para Chinar .	6,000	24·533		24·500	24·600	20th	24·421	2nd	·179	62·6	75·5		50·5		63·1		25·0	83·3	8th	40·8	24th

* Mean of 30 days.

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

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

Note 2.—The data, from which divisional means of the figure columns Nos. 41, 43 and 45

Note 3.—The barometrical readings are not reduced to sea-level, in the cases of hill or plat

I—*continued.*

in India, Burma, etc., in October, 1906—continued.

Wind Direction. Number of winds from: Calm	N.	N. E.	E.	S. E	S.	S. W.	W.	N. W.	Resultant direction.	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 h. Mean humidity at 8 h.	Departure from normal.	Mean vapour tension at 8 h.	Departure from normal.	Cloud. Mean cloud amount at 8 h.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 31st October, 1906.	Normal rainfall for period, 1st May to 31st October.	Departure from normal of period, 1st May to 31st October, 1906.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
														82	+3	·792	+·024	5·5	−0·1				6·37	7·59	−1·17					XI.—South India.
5	1	1	1	3	9	5	3	3	S 24° W	9·0			9·5	87		·905		4·8		19	9·50	−0·50	15·39	8·63	+ 6·76	19·68	11·59	+ 8·09	3·94	Pamban.
9	5	2		1			6	8	N 40° W	3·2			3·2	79	+ 7	·839	+·063	5·0	−0·8	11	8·40	+2·60	8·70	6·30	+ 2·40	14·60	10·28	+ 4·32	2·62	Tinnevelly.
2	6	4	3			7	9	N 26° W	3·8	2·9	+31	4·4	84	+10	·848	+·092	6·5	+0·7	9	11·40	−2·40	4·33	8·61	— 4·28	23·22	23·25	— 0·03	1·34	Madura.
23		2		2	1		2	1	S 8° E	1·6			1·7	80		·733		5·5		11	10·60	+0·40	5·16	7·55	— 2·39	26·21	16·47	+ 9·74	1·13	Periyakulam.
5	4	1	2		1	3	13	2	N 78° W	4·0	2·8	+43	3·5	86	+ 5	·724	−·057	6·2	+0·3	14	9·50	+4·50	6·93	6·72	+ 0·21	28·66	32·20	— 3·54	1·85	Salem.
7	1	6	1		6	7	2	1	S 26° W	3·5	3·5	0	3·2	85	− 2	·753	−·021	5·2	−0·5	14	9·40	+4·60	6·33	5·98	+ 0·35	15·82	13·58	+ 2·24	1·69	Coimbatore.
14	3	5	4	2				3	N 43° E	1·7	3·6	−53	1·6	91	+ 3	·594	+·011	7·2	+0·6	15	13·00	+2·00	6·54	8·61	— 2·70	125·48	118·93	+ 6·55	0·98	Mercara.
7		3	5	2		2	8	4	N 60° W	4·5			3·9	81	+ 5	·674	+·029	7·1	+1·0	12	7·70	+4·30	4·61	3·28	+ 1·33	27·13	21·00	+ 6·13	0·81	Chitaldroog.
3	1	3	9	2	1	4	6	2	S 73° E	6·4	4·0	+ 60	5·7	86	+ 3	·659	+·032	6·1	0	11	9·30	+1·70	6·41	6·36	+ 0·05	36·34	29·28	+ 7·06	1·48	Bangalore.
6		2	9	5	1	2	3	3	S 74° E	1·8			1·6	86	+ 4	·664	+·038	7·0	−0·1	15	9·50	+5·50	11·52	6·64	+ 4·88	36·20	28·72	+ 7·48	2·76	Hassan.
5		4	5	2		5	6	4	N 77° W	5·8			6·3	83	0	·661	+·002	7·3	+0·3	9	9·40	−0·40	5·28	6·98	− 1·70	24·17	25·01	− 0·84	1·17	Mysore.
1	1	1		1		6	14	7	N 86° W	6·8	3·7	+ 84	6·5	82	+ 1	·854	− ·008	5·5	−0·9	11	11·00	0	11·89	11·65	+ 0·24	26·27	23·75	+ 2·52	3·50	Negapatam.
6					5	5	10	5	S 74° W	1·9			2·6	81	− 7?	·837	−·072?	4·5	−1·5	8	10·00	−2·00	6·38	11·66	−5·28	18·39	29·01	−10·62	1·35	Cuddalore.
15	1			1		9	5		S 60° W	2·2	3·8	−42		82	+ 2	·834	+·031	5·2	−1·1	12	9·70	+2·30	9·53	7·15	+ 2·48	21·74	21·16	+ 0·58	2·70	Trichinopoly.
5	9	2			5	2	1	7	N 34° W	5·2			6·1	81		·813		6·2		13			6·26			23·99			0·92	Pudukkottai.
	4				5	5	11	6	S 80° W	4·6	5·0	− 8		83	0	·883	+·010	4·7	−1·0	9	12·50	−3·50	4·15	11·45	− 7·30	21·72	28·93	− 7·21	1·16	Madras.
19		1		1		2	2	6	N 63° W	2·0			2·0	80		·772		3·7		6	9·30	−3·30	2·64	7·51	− 4·87	25·87	28·18	− 2·31	1·32	Vellore.
9				6	4		1	11	S 82° W	4·7				79	− 2	·834	−·046	6·7	+1·2	10	8·70	−1·30	4·81	7·33	− 2·52	14·28	20·14	− 5·86	1·93	Nellore.
16	6	3				2	1	3	N 23° W	6·1	4·4	+39	5·4	90	+ 6	·968	+·086	4·9	−0·3	6	8·60	−2·60	2·38	8·42	− 6·04	26·89	32·95	− 6·06	0·68	Masulipatam.
		6	1	5		4	7	8	N 62° W					75	0	·772	−·006	5·9	+1·0	10	6·70	+3·30	5·38	5·78	− 0·40	33·97	26·73	+ 7·24	1·06	Cuddapah.
17	2				3	3	1	5	N 87° W	3·7				83	+10	·791	+·084	4·9	+0·8	4	5·90	−1·90	2·36	4·01	— 1·65	26·11	25·81	+ 0·30	1·30	Kurnool.
10	2	2	3	3		1	6	4	N 42° W	3·7	4·3	−14	3·3	75	+ 7	·688	+·053	5·6	−0·1	8	6·70	+1·30	3·65	4·27	− 0·62	18·36	16·65	+ 1·71	0·96	Bellary.
10	5	8				1	2	5	N 3° W	6·5			5·5	84	+ 7	·888	+·088	5·3	+0·5	11	9·40	+1·60	8·35	8·72	− 0·37	36·02	31·64	+ 4·38	2·96	Cocanada.
1	3	14	1			2	10		N 21° W	9·8			7·9	71	− 4	·780	−·030	5·6	+0·8	5	8·20	−3·20	3·45	10·23	− 6·78	40·60	34·39	+ 6·21	0·98	Waltair (Vizag.)
2	10	2					5	12	N 31° W	8·4			7·1							4			5·24						2·76	Calingapatam
11		4	1				2	13	N 37° W	6·8	6·3	+ 8	6·7	92	0	·832	+·013	2·4	−2·1	5	7·90	−2·90	7·98	9·41	− 1·43	34·81	40·50	− 5·69	4·24	Gopalpur.
																														XII.—Hill Stations.
																				0	0·20	−0·20	0	0·09	− 0·09	0·05	0·55	− 0·50	0	Pishin.
30					1				S	0·2	3·0	−93	0·2	44	0	·210	+·019	0·2	−0·2	0	0·20	−0·20	0	0·09	− 0·09	0·43	2·41	− 1·98	0	Quetta.
	5		4		22				S 13° E					37		·185				0	0·30	−0·30	0	0·08	— 0·08	0·90	1·73	− 0·83	0	Kalat.
14	7	3	3	1			1	2	N 19° E	6·4			7·0	49	+18	·260	+·079	0·2	−0·4	0	0·10	−0·10	0	0·04	— 0·04	0·06	0·32	− 0·26	0	Chaman.
31									None.	2·8				48	− 5	·128	+·006	2·5	+0·1	0	0·10	−0·10	0·01	0·22	— 0·21	1·27	1·75	− 0·48	0·01	Leh.
11	1	2	1	10	4	1		1	S 43° E	2·3			2·1	82	− 6	·321	+·039	1·0	−1·4	0	2·70	−2·70	0·21	0·84	— 0·63	11·02	11·25	— 0·23	0·09	Srinagar.
27		2	2						N 67° W	2·5			2·3	82		·186		1·5		4			1·07			19·67			0·33	Sonemarg.
23	1	1		2	1	3			S	4·6			4·6	57		·211		2·7		0	0·10	−0·10	0	0·02	— 0·02	6·80	2·95	+ 3·85	0	Skardu.
26						1	4		S 11° W	6·5			5·2	74		·185		1·0		1	3·10	−2·10	0·13	0·99	— 0·86	9·14	6·45	+ 2·69	0·13	Dras.
29				1		1			S	1·5			1·3	42	− 5	·242	+·014	2·2	−1·2	0	0·30	−0·30	0	0·20	— 0·20	3·96	2·55	+ 1·41	0	Gilgit.
30					1				S	4·0			3·5	86		·321		0·5		1			0·13			4·99			0·13	Chitral.
8	4	6	2	1		1	5	4	N 11° W					65		·298		0·3		1			0·66			9·51			0·66	Kilia Drosh.
29	1						1		N 45° W	4·4			4·0	42		·240		0·7		2	1·00	+1·00	0·59	0·37	+ 0·22	19·50	12·83	+ 6·67	0·30	Para Chinar.

The data for that station, are not utilized in calculating the provincial departures from normal,
derived, are incomplete.
stations, the elevations of which exceed 3,500 feet.

Tabl

Abstract of Observations taken at 8 h., at 235 Station

Number of rainfall division.	Station.	Elevation of barometer above sea-level, in feet.	Pressure, 8 h., in inches.							Temperature of air.												
			Mean 8 h. pressure reduced to 32°.	Departure from normal.	Mean 8 h. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 h. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
2	Cherat . .	*4,256*	25·776	+·023	25·744	25·856	20th	25·649	1st	·207	65·1	76·7*	−1·9*	58·7	+1·5	67·7*	−0·2*	18·0*	87·6	1st	46·0	22nd	41·
29	Murree . .	6,333	23·936	+·017	23·904	23·997	17th	23·839	1st	·158	58·5	68·0	−1·3	50·2	−3·1	59·1	−2·2	17·8	72·0	4 days	40·0	23rd	32·
	Kailang . .	*10,087*	21·055§		21·010§	21·127	12th	20·978	5th	·149	42·7	62·0	+1·6	33·5	+2·1	47·8	+1·9	28·5	71·8	3rd, 4th & 9th.	26·6	26th	45·
	Poo . .											64·2§		44·1§		54·2§		20·1§	74·4	8th	36·7	26th	37·
	Simla . .	7,224	23·199	+·022	23·161	23·269	12th& 16th.	23·112	1st	·157	55·2	62·1	−0·3	51·2	+0·2	56·7	−0·1	10·9	67·4	1st	47·2	28th	20·
	Sarain . .		23·238			23·294	12th	23·138	1st	·156	48·2	64·9		42·8		53·9		22·1	70·0	9th	36·5	30th	28·
	Kalabagh . .		20·191			20·254	11th	20·128	1st	·126	41·5	48·3		37·7		43·0		10·6	56·4	10th	32·3	15th	26·
	Chakrata . .	7,022	23·363	+·023	23·323	23·423	16th	23·255	1st	·168	56·0	67·2	+1·0	52·3‡	+1·4‡	59·9‡	+1·2‡	14·9‡	69·8	24th	44·0	20th	25·
25	Muktesar . .	7,600	22·910		22·869	22·980	12th	22·808	1st	·172	55·5	64·9		50·5		57·7		14·4	69·5	11th	44·4	28th	25·
13	Yatung . .	10,480										56·6		34·4		45·5		22·2	62·1	1st	29·1	28th	33·
	Darjeeling . .	7,376	23·098	+·007	23·053	23·167	16th	22·999	1st	·168	56·0	61·8	+1·3	50·0	+0·2	55·9	+0·8	11·8	66·2	1st	45·1	28th	21·
	Pharijong . .		17·962			18·044	13th	17·868	25th	·176	37·3h	55·8		20·7		38·3		35·1	66·1	1st	9·0	28th	57·
8	Shillong . .	4,920	25·198		25·150	25·278	16th	25·078	1st	·200	62·8	70·9		53·9		62·4		17·0	74·9	3rd	44·7	26th	30·
	Cherra Poonjee .	4,309	25·743		25·694	25·812	12th	25·651	1st	·161	65·8	72·6		60·3		66·5		12·3	76·2	1st	54·8	25th	21·
50	Mount Abu . .	3,945	26·133	+·021	26·083	26·196	12th	26·054	5th	·142	71·0	77·2	−1·6	64·5	+0·2	70·9	−0·7	12·7	80·7	24th	58·4	31st	22·
42	Pachmarhi . .	3,528	26·507	+·015	26·454	26·610	16th	26·422	28th	·188	68·7	77·7†	−0·6‡	57·2	−2·5	67·7†	−1·6	20·5†	81·1	25th	50·2	24th & 27th,	30·
34	Ootacamund . .	*7,392*	23·065		23·001	23·109	12th	22·969	28th	·140	57·2	63·5		50·5		57·0		13·0	67·0	13th & 24th.	43·7	4th & 31st.	27·
57	Kodaikanal . .	7,688	22·842		22·777	22·902	12th	22·733	28th	·169	56·0	62·9		51·6		55·6		11·3	67·2	11th	47·1	31st	20·
	XIII.—Extra India.																						
	Trincomalee . .	12	29·914	P	29·852	29·986	8th	29·798	28th	·188	78·3	87·1	−1·3	75·5	0	81·3	−0·7	11·6	93·0	2nd & 4th.	72·0	26th	21·
	Colombo . .	40	29·909 (d)	−·007	29·875	29·976	8th & 12th.	29·818	27th	·158	79·2	84·8	−0·9	75·3	−0·1	80·1	−0·5	9·5	88·0	1st	73·0	28th	15·
	Meshed J . .	3,104	27·616			27·930	31st	27·410	1st	·520	59·7	69·7		47·5	+3·0	58·6		22·2	79·9	7th	36·0	31st	43·
	Teheran . .	*4,002*								Not	receiv ed.												
	Ispahan . .	*5,817*	(b) 24·389			24·470	3 days	24·230	24th	·240	55·1	79·0	+1·6	50·2	−5·8	64·6	+3·7	28·8	87·4	1st	43·3	31st	44·
	Bushire . .	14	29·935	−·010	29·908	29·995	25th	29·831	1st	·164	78·8	87·9	+0·1	72·7	+1·5	80·3	+0·8	15·2	94·5	5th	67·1	3rd	27·
	Bahrein . .	18	29·973		29·944	30·049	20th	29·858	9th	·191	81·7	88·8		76·3		82·6		12·5	93·0	3rd	72·1	19th	20·
	Jask J . .	13	29·935	−·001	29·906	29·994	23rd	29·852	5th	·142	82·6	89·5	−1·2	76·7	+1·2	83·1	0	12·8	99·3	18th	71·2	30th	28·
	Muscat . .	20	29·943	−·007	29·913	30·030	13th	29·814	1st	·216	83·9	93·1	+7·3	80·0	−1·1	86·6	+3·1	13·1	99·8	6th & 7th.	76·1	13th & 28th.	28·
	Baghdad .	220	29·861	+·036	30·061	29·968	1st	29·764	5th	·204	69·1	94·3	+1·5	65·0	+2·7	79·7	+2·1	29·3	101·7	7th	57·5	25th	44·
	Busrah . .	25	29·979*		29·964*	30·084	25th	29·917	4th	·167	73·5*	92·6		63·4		78·0		29·2	97·2	9th & 10th.	57·7	4th	39·
	Beirut(c) . .				29·974						75·2	81·3		68·9		75·1		12·4	89·8	20th	63·0	26th	26·
	Aden . . .	94	29·893	+·020	29·919	29·944	16th	29·805	1st	·139	81·5	87·9	−2·5	78·0	+0·3	83·0	−1·1	9·9	95·8	31st	74·9	26th	20·
	Perim . . .	201	29·728	−·006	29·863	29·771	31st	29·677	21st	·094	86·1	91·3	+0·2	81·6	+1·1	86·5	+0·7	9·7	94·5	4th	79·0	31st	15·
	Kabul . . .		24·352		24·321	24·427	16th	24·296	1st & 5th.	·131	57·4	83·0	+7·8	43·2	+1·9	63·2	+4·9	39·8	91·1	8th	33·4	25th	57·
	Kashgar . .	4,255	25·679			25·930	1st	25·440	27th	·490	53·7	77·0	+8·4	46·2	+4·1	61·6	+6·3	30·8	86·3	1st & 11th.	29·9	30th	56·
	Amini Divi . .	*13*	29·937	+·007	29·878	30·007	12th	29·818	24th	·189	82·2	86·9	+1·7	76·9	+0·4	81·9	+1·1	10·0	89·0	27th	73·4	18th	16·
	Minicoy . .	7	29·944		29·877	30·012	3rd	29·832	23rd	·180	81·4	86·2	+0·6						89·4	5th			
	Zanzibar . .	72	30·030	+·015	30·029	30·075	7th	29·986	18th	·089	78·7	84·2	+1·0	75·6	+0·3	79·9	+0·7	8·6	88·2	29th	73·2	31st	15·
	Do. Dunga	*154*	29·914		29·997	29·999	5th	29·868	20th	·131	75·2	86·8		P		P			90·5	17th & 20th.	P	P	P
	Penang(a) .	20	29·928		29·872	29·945	6th	29·890	23rd	·055	82·3	88·1		73·9		81·1		14·2	92·0	23rd & 24th.	71·0	8th & 30th.	21·
	Singapore(a) .	10	29·942		29·880	30·019	1st	29·845	22nd	·174	81·7	87·5		74·6		81·1		12·9	90·4	31st	72·5	30th	17·

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

J Obervations of 30 days.

§ Mean of 29 days.
‡ Mean of 24 days.

* Mean of 30 days.

† Mean of 28 days.
h Mean of 18 days.

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

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

I—*concluded.*

in India, Burma, etc., in October, 1906—concluded.

Wind Direction. Number of winds from Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	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 h. Mean humidity at 8 h.	Departure from normal.	Mean vapour tension at 8 h.	Departure from normal.	Cloud. Mean cloud amount at 8 h.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 31st October, 1906.	Normal rainfall for period, 1st May to 31st October.	Departure from normal of period, 1st May to 31st October, 1906.	Heaviest rainfall during month.	Station
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
8	6	3		1	5	5		3	N 70° W	7·4			7·2	72*	+36	·433*	+·209	0·8	−0·1	1			0·15	0·09	+ 0·06	13·61	11·92	+ 1·69	0·15	Cherat.
23	3				2	1		2	N 51° W	4·4	5·7	−23	4·8	55	+13	·277	+·073	0·8	−0·5	3	3·30	−0·30	0·81	1·32	− 0·51	35·92	38·90	− 2·98	0·30	Murree.
			18	6	4	2	1		S 18° E	1·2				51		·145		1·5		1			0·19	0·45	— 0·26	13·11	8·77	+ 4·34	0·11	Kallang.
22			2	1	3	1	1		S 27° W									2·0*		0			0	0·75	— 0·75	1·81	3·77	− 1·96	0	Poo.
5	13	1	1		4		4	3	N 20° W	4·6	2·5	+84	4·4	60	+11	·261	+·053	0·6	−0·2	0	1·30	−1·30	0	0·98	− 0·98	85·18	52·27	+32·91	0	Simla.
24					6	1			S 8° W	3·1‡			2·9‡	74		·256		0·5		1			0·31 (e)			63·57 (f)			0·31 (e)	Sarain.
10	3		2	4	9	1		2	S 21° E	8·8			7·7	61		·166		0·6		0			0·06			82·83			0·04	Kalabagh.
19	5	1			6				S 67° E	5·0	5·1	− 2	6·0	78	+18	·352	+·068	0·7	−0·3	2	1·20	+0·80	1·00	0·78	+ 0·22	75·34	57·33	+18·01	0·85	Chakrata.
13		2	5	1	1	1	8		S 56° W	7·8			7·3	66		·294		1·6		1			0·42			40·55			0·22	Muktesar.
																				1	5·43	−4·43	0·51	2·60	— 2·09	34·00	40·48	— 6·48	0·27	Yatung.
8		4	6	6	2	1	1	3	S 84° E	2·8	2·6	+ 8	2·6	87*	− 2*	·391*	+·011*	5·4	−0·3	1	4·87	−3·87	0·62	4·35	− 3·73	107·96	116·18	− 8·22	0·21	Darjeeling.
20				1	2	2	4	2	S 63° W	5·6			4·7					0·6		1			0·20						0·20	Pharijong.
27				2	1	1			S 13° E	0·2			0·2	76		·438		4·		13	9·10	+3·90	7·45	5·65	+ 1·80	85·87	71·23	+14·64	1·93	Shillong.
9	1	14		1	2	2	2		N 47° E	4·0			3·5	80		·509		4·1		6	8·20	−2·20	14·66	13·59	+ 1·07	426·07	388·06	+38·01	5·76	Cherra Poonjee.
5	7	4	1	2	2	5	1	4	N 20° W	5·1	4·0	+28	5·2	56	+12	·418	+·081	1·6	+0·5	3	0·50	+2·50	1·18	0·69	+ 0·49	69·49	60·45	+ 9·04	0·49	Mount Abu.
14		4	5					8	N 15° E	3·3	2·9	+14	3·4	68	+13	·482	+·058	1·5	−1·1	0	3·30	−3·30	0	2·18	— 2·18	77·70	73·48	+ 4·22	0	Pachmarhi.
6		3	7	6	5		3	1	S 59° E	5·0			4·7	77		·363		6·8		16	13·70	+2·30	6·92	8·57	− 1·65	47·77	35·76	+12·01	1·39	Ootacamund.
	3	6	4	6	4		2	6	N 63° E	11·1				89		·400		6·0		17	16·20	+0·80	7·00	12·49	— 5·49	37·42	39·55	− 2·13	1·25	Kodaikana.
																				8										XIII—Extra India.
7						19	5		S 54° W	3·0				87	+ 3	·844	−·042	3·5	+0·1	15			8·51	7·14	+ 1·37	31·56	22·28	+ 9·28	1·39	Trincomalee.
	1	2	5	5	1	8	4	2	S 7° W	8·3	7·3	+14		87	+ 7	·873	+·018	7·1	+0·9	21			15·80	14·80	+ 1·00	37·59	47·70	−10·11	2·25	Colombo.
														55		·285		1·8		0			0			3·72	1·43	+2·29	0	Meshed.
															Not received															Teheran.
23	1					3	4		S 81° W	1·3			1·6	63		·271		1·2		0			0·16	0·21	−0·05	1·24	0·38	+0·86	0·08	Ispahan.
	3	7	4	8	3	2	2	2	S 86° E	0·8	6·5	−88	0·9	74	+12	·728	+·105	1·2	+0·2	0			0	0·08	−0·08	0·22	0·08	+0·14	0	Bushire.
	1	1	2	1	1	1	14	10	N 72° W	4·0			3·5	72		·862		0		0			0			0·05			0	Bahrein.
4	1	4	16	5					N 89° E	10·7			10·3	75	+10	·837	+·092	3·3	+2·8	0			0	0·04	−0·04	0·07	0·17	−0·10	0	Jask.
23	2			4				2	N 65° E	3·2			3·3	71	+ 5	·836	+·081	0·2	−0·1	0			0	0·02	−0·02	0·27	0·42	−0·15	0	Muscat.
28							1	2	N 63° W	1·8	2·3	−22	2·4	49	− 6	·349	−·054	1·9	+1·3	0			0	0·04	−0·04	0·03	0·37	−0·34	0	Baghdad.
7	19				4		1		N 4° W					74*		·609*				0			0			0·63			0	Busrah.
														64		·555		2·2		2			1·33						1·19	Beirut.
2		17	5	2	1	2	1	1	N 60° E	17·7	12·2	+45	16·8	81	+13	·862	+·121	2·5	+0·4	0			0	0·01	−0·01	0·02	0·51	−0·49	0	Aden.
			26	5					S 82° E	17·1			14·7	65		·809		2·3		0			0	0·07	−0·07	0·06	0·91	−0·85	0	Perim.
	2	14	7	2		5		1	N 60° E					52		·249		0·5	+0·2	1			0·25	0·32	−0·07	2·54	1·48	+1·06	0·20	Kabul.
25	1			1	1			3	N 45° W	1·3			1·1	50	− 9	·209	+·009	0·4	−2·6	0			0	0·05	−0·05	1·22	3·06	−1·84	0	Kashgar.
12	4	5	1	5			1	3	N 40° E					78		·858		6·1		12			5·63	6·01	− 0·38		43·74		1·40	Amini Divi.
	5	3			1	6	9	7	N 66° W	8·0			8·5	82		·873		5·9		13			9·93			61·62			2·55	Minicoy.
8			11	8	4				S 15° E	4·7			4·4	80	− 2	·789	−·095	5·0	−1·0	5			5·48	2·99	+2·49	27·48	21·35	+6·13	2·23	Zanzibar.
15		3	8	3	2				S 35° E	4·9			4·8	91		·800		4·4		3			5·86						3·30	Do. Dunga.
	2	2	15	1	2			9	N 58° E	7·7								3·8		15			8·33			55·30			2·50	Penang.
				3	4	10	7	7	S 39° W	5·5								6·3		17			12·41			44·67(k			2·41	Singapore.

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

(e) Snow water.

(f) Since 1st June, 1906.

(k) Rainfall from 16th August, to 30th September 1906 wanting

TABLE II.—Abstract of Observations recorded at 10 h. and 16 h., at 62 Stations in India, Burma, etc., in October, 1906.

T

Abstract of Observations recorded at 10 h. and

Meteorological Province.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure.						Temperature of Air.										Temperat Wet-bu		
			Mean of 10 h.	Mean of 16 h.	Mean daily range.	Mean of daily mean pressure.	Departure from normal.	Mean reduced to S.L. and gravity 45° Lat.	Mean maximum.	Mean minimum.	Mean daily range.	Highest maximum.	Lowest minimum.	Absolute range.	Mean 10 h.	Mean 16 h.	Mean of daily means.	Departure from normal.	Mean minimum.	Mean 10 h.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	2
Burma Coast and Bay Islands.	Port Blair	61	29·872	29·772	·100	29·824	+·006	29·816	85·8	76·9	8·9	98·0	74·0	24·0	82·4	82·7	80·1	−0·7	74·5	78·2	7
	Rangoon	36	·920	·801§	·119	·865	+·034	·860§	87·4§	76·3	11·1	92·0	73·8	18·2	83·9	85·0§	80·2§	+0·2	74·7	77·7	7
	Diamond Island	41	·898	·787	·111	·845	0	·821	86·4	78·0	8·4	90·4	74·7	15·7	84·2	83·9	81·5	+0·6	73·9	78·7	7
	Akyab	20	·922§	·805§	·117	·865	+·002	·825¶	87·5§	77·5	10·0	90·2	74·2	16·0	83·3§	85·5§	81·8§	+0·2		79·4§	7
Bengal and Orissa.	Chittagong	87	·847	·736	·111	·790	+·002	·824	86·5	73·9	12·6	89·1	69·2	19·9	82·6	83·8	79·7	+0·2	73·2	78·3	7
	Calcutta (Alipore)	21	·915	·802	·113	·855	+·015	·821	87·3	74·2	13·1	91·7	67·6	24·1	83·9	85·1	80·3	+0·3	72·4	77·3	7
	Saugor Island	25	·907	·799	·108	·848	+·015	·817	88·5	76·7	11·8	91·9	68·7	23·2	84·8	85·9	81·4	+1·0	74·0	79·1	78
	False Point	21	·918	·813	·105	·861	+·015	·823	88·0	74·4	13·6	92·1	66·6	25·5	82·9	83·0	80·0	+0·2	73·5	75·1	74
Gangetic Plain and Chota Nagpur &c.	Hazaribagh	2,007	27·923	27·830	·093	27·884	+·022	·841	82·5	67·8	14·7	85·7	60·7	25·0	79·2	78·9	74·4	+0·1	64·6	69·2	69
	Allahabad	309	29·616	29·501	·115	29·551	−·005	·814	91·3	68·8	22·5	94·3	56·7	37·6	84·8	89·6	78·5	+0·9	66·8	72·5	72
Upper Sub Himalayas.	Dehra Dun	2,233	27·712	27·621	·091	27·657	+·005	·850	83·4	62·1	21·3	86·7	53·8	32·9	76·6	79·5	72·0	+1·3	58·6	65·5	66
	Roorkee	899	29·028	28·916	·112	28·962	+·007	·830	87·9	63·0	24·9	90·5	52·5	38·0	80·1	85·3	73·7	+0·2	61·8	69·6	69
	Lahore	702	·210	29·117	·093	29·152	+·003	·819	94·0	63·9	30·1	98·0	53·3	44·1	83·3	91·9	77·5	+1·8	60·3	69·8	72
	Ludhiana	812	·111	·011	·100	·050	+·008	·830	92·4	65·8	26·6	96·5	56·6	39·9	80·9	89·2	77·6	+1·7	60·5	67·6	68
Indus Valley and N.W. Rajputana.	Peshawar	1,110	28·827	28·720	·107	28·763	−·011	·857	88·0	61·8	26·2	97·7	52·9	44·8	80·1	85·4	73·5	+2·1	57·1	66·0	66
	Jacobabad	186	29·757	29·647	·110	29·700	+·030	·845	99·9‡‡	66·5	33·4	103·1	58·9	44·2	89·9	94·9	82·0‡‡	+2·8	61·9	72·0	72
	Kurrachee	30	·937	·838	·099	·885	+·022	·865	92·1	73·2	18·9	98·3	66·2	32·1	87·0	87·6	81·3	+1·3	70·0	75·3	76
E. Rajputana, Central India and Gujarat.	Jaipur	1,431	28·535	28·430	·105	28·477	+·018	·846	95·5	67·1	28·4	99·2	56·2	43·0	88·0	93·2	80·0	+2·1	58·4	67·8	68
	Udaipur	1,925	·053	27·953	·100	27·998		·860	89·8	63·9	25·9	93·0	55·4	37·6	83·8	86·3	76·8		59·3	67·8	68
	Deesa	466	29·495	29·380	·115	29·432	+·015	·845	97·9	66·3	31·6	103·1	58·8	44·3	90·1	94·5	82·0	+0·2	62·9	71·2	71
	Jamnagar	61	·902	·790	·112	·843		·849	94·3	71·8	22·5	99·1	62·6	36·5	88·3	91·0	81·7		67·1	73·9	72
Deccan.	Belgaum	2,539	27·413	27·303	·110	27·359	+·013	·811	82·8	65·3	17·5	85·3	54·6	30·7	77·7	79·3	72·8	−0·1	64·4	69·7	69
	Sholapur	1,590	28·355	28·221	·134	28·291	+·009	·812	91·4	69·2	22·2	94·4	59·7	34·7	84·1	88·2	79·0	+1·3	63·6	70·3	69
	Akola	930	29·026	·891	·135	·960	+·014	·831§	92·7	64·1	28·6	94·8	56·3	38·5	84·7	90·5§	77·5	−0·4	60·4	70·9	69
	Buldana	2,132	27·847	27·734	·113	27·785	+·013	·839	86·5	67·5	19·0	89·5	62·0	27·5	82·2	84·7	75·9	+0·2	59·9	67·2	66
	Khandwa	1,044	28·912	28·789	·123	28·852	+·016	·848	90·9	64·6	26·3	94·2	57·1	37·1	83·5	88·9	77·3	−0·9	61·3	69·7	68
	Nagpur (Sanitary Commr,'s Office)	1,017	·932	·806	·126	·870	+·027	·843	89·6	66·9	22·7	92·3	61·1	31·2	83·2	87·5	77·4	−1·0	62·9	70·8	69
	Hyderabad (Deccan)	1,690	·249	·135	·114	·194	+·018	·824	87·0	70·2	16·8	93·5	63·0	30·5	81·5	83·0	77·5	+0·7	67·7	72·1	72
West Coast.	Bombay	37	29·922	29·804	·118	29·860	+·013	·837	89·0	76·4	12·6	94·0	72·2	21·8	82·4	84·5	81·5	+0·8	72·4	75·0	77
	Karwar	44	·902	·788	·114	·846	+·004	·824	86·0	74·4	11·6	91·4	72·5	18·9	80·0	83·0	78·9	+0·8	72·4	76·5	77

§ Mean of 30 days. ‖ Mean of 30¼ days. ¶ Mean of 29 days. ** Mean of 29½ days.

62 Stations in India, Burma, etc., for October, 1906.

Vapour Tension.				Humidity.				Cloud.				Wind direction.										Wind Steadiness.		Wind Velocity.		Rainfall.		Station.	Meteorological Province.
	Mean 10 h.	Mean 16 h.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 h.	Mean 16 h.	Mean of daily means.	Departure from normal.	Mean 10 h.	Mean 16 h.	Mean of two previous columns.	Departure from normal.	Total number of 10 h. and 16 h. winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Mean wind direction.	Normal mean wind direction of month.	Average percentage.	Normal percentage.	Mean velocity in miles per diem.	Normal.	Total rainfall for the month.	Heaviest rainfall during the month.		
4	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
																									%	%						
25	·914	·881	·891	−·036	89	83	79	89	+ 1	6·2	8·1	7·2	+0·8		2	7	4	14	7	11	13	4	S 18° W	S 1° W	26	26	184*	151	10·54	2·32	Port Blair.	Burma Coast and Bay Islands.
46	·871	·843§	·869	−·036	92	75	70§	84	− 5	6·1	6·0§	6·1	+0·2	7	4	13	13	6	13	2		1	S 79° E	S 36° E	40	30	35*	70	12·53	2·89	Rangoon. †	
78	·911	·856	·855	−·025	81	77	74	79	− 6	4·3	5·5	4·9	−1·0	5		8	11	15	8	5	8	2	S 43° E	S 57° E	34	20	159*	180	6·57	4·18	Diamond Island	
	·953§	·933§				84§	76§			4·3	4·9	4·6	−0·2	1	2	12	14	4	4	9	9	5	N 82° E	S 66° E	10	8	63*	60	4·97	1·82	Akyab.	
11	·911	·880	·868	+·016	97	82	76	86	+ 1	4·4	3·5	4·0	−0·7	1	7	17	4	4	5	7	3	14	N 4° E	N 12° W	26	13	58*	67	2·57	1·12	Chittagong.	Bengal and Orissa.
76	·854	·824	·838	+·022	91	74	69	81	− 1	5·3	5·2	5·3	+0·7	3	9	9	9	3	2	7	7	13	N 13° W	N 18° W	26	11	63*	67	5·50	1·93	Calcutta (Alipore).	
18	·927	·877	·875	+·022	88	77	71	80	− 1	4·9	5·0	5·0	−0·4		16	9	2	3	9	6	10	7	N 36° W	N 9° W	24	14	174	178	3·96	1·21	Saugor Island.	
26	·853	·836	·839	+·005	96	70	69	79	− 1	5·9	6·2	6·1	+1·2	4	7	14	7	11	6	3	4	6	N 70° E	N 51° E	24	24	96*	144	10·01	3·58	False Point.	
80	·587	·582	·606	+·048	84	60	60	73	+ 6	4·0	5·2	4·6	+0·1		17	11	6	4	3	2	3	16	N 2° E	N 30° W	47	24	127*	125	2·74	1·25	Hazaribagh.	Gangetic Plain and Chota Nagpur.
41	·639	·565	·616	−·001	90	53	41	64	− 2	1·2	2·5	1·9	−0·3	9	4	3	4	2	2	5	19	14	N 70° W	N 48° W	43	19	69*	74	0	0	Allahabad.	
59	·496	·507	·490	+·039	80	53	50	66	0	0·4	1·7	1·1	−0·2	7	20	8	5	2		6	4	10	N 7° W	N 42° W	43	19	33	31	0·38	0·38	Dehra Dun.	Upper Sub-Himalayas.
45	·583	·525	·556	+·063	93	57	43	69	+ 6	0	0·1	0·1	−0·8	17		4	1	12				28	N 28° W	S 6° E	26	7	51	31	0	0	Roorkee.	
84	·550	·527	·527	+·082	80	48	35	58	+ 6	0·5	0·1	0·3	−0·5	26	5	2	4	2	1	1	17	4	N 66° W	N 9° W	24	11	32*	38	0	0	Lahore.	
66	·501	·404	·462	+·004	72	46	29	54	− 2	0·2	0·1	0·2	−0·8	3		2		8			36	13	N 83° W	N 41° W	61	22	37*	26	0	0	Ludhiana.	
15	·466	·429	·444	+·071	74	45	35	55	+4	0·5	1·5	1·0	−0·5	53	2	3	2	1				1	N 45° E	N 54° E	10	27	5*	55	0·39	0·33	Peshawar.	Indus Valley and N.-W. Rajputana.
97	·557	·504	·526	+·101	76	39	31	53	+ 7	0	0	0	−0·4	10	7	7	1	4	11	13	4	5	S 46° W	S 17° E	18	7	66*	50	0	0	Jacobabad.	
90	·726	·778	·773	+·081	85	57	61	74	+ 6	1·1	0·9	1·0	+0·2	2	1		1	1	1	19	32	5	S 77° W	S 69° W	78	64	198*	226	0	0	Kurrachee.	
89	·434	·379	·405	+·003	57	33	24	42	− 4	0·4	3·1	1·8	+0·1	2	11	9	6	1	2	2	8	21	N 22° W	N 27° W	48	38	83	74	0	0	Jaipur.	
56	·488	·467	·433		76	42	38	56		2·2	3·6	2·9		13	5	4	9	5	3	5	14	4	N 83° W		8		62*		0·10	0·08	Udaipur.	E. Rajputana, C. India and Gujarat.
39	·516	·469	·521	+·073	82	38	30	54	+ 8	1·3	2·4	1·9	+0·2		13	8	5	4	10	11	3	8	N 39° W	N 78° E	8	12	147	158	0·19	0·10	Deesa.	
11	·649	·544	·627		77	49	38	59		0·5	0·3	0·4			24	13	3		1	2	11	8	N 9° W		60		151*		0	0	Jamnagar.	
99	·631	·611	·625	+·026	95	66	61	78	+ 2	4·7	5·9	5·3	−0·1	16	3	9	15	2	3	2	6	2	N 70° E	N 51° E	26	12	†† 99	230	4·99	2·60	Belgaum.‡	Deccan.
27	·574	·504	·550	−·023	73	49	39	56	− 5	5·3	7·4	6·4	+0·8	1	9	25	9	6		1	2	9	N 38° E	N 57° E	57	29	189*	197	0·95	0·46	Sholapur.	
90	·581	·463§	·513	−·041	79	48	32§	56	− 5	1·5	3·7	2·6	−0·5	13	6	19	5			1	4	14	N 8° E	N 18° E	47	30	67*	84	0	0	Akola.	
29	·488	·422	·447	−·053	63	45	35	51	− 8	2·0	3·1	2·6	−1·0	1	19	18	6	1	2		3	12	N 12° E	N 24° E	61	50	122*	125	0	0	Buldana.	
07	·561	·457	·510	−·020	82	49	34	58	0	2·7	3·8	3·3	+0·8	17	1	22	9		1			12	N 34° E	N 24° E	47	35	52*	74	0	0	Khandwa.	
34	·610	·510	·553	−·017	79	53	39	60	− 1	1·4	3·8	2·6	−1·1	10	12	28	1	1		2	3	5	N 22° E	N 39° E	58	50	61*	94	0·20	0·17	Nagpur (Sanitary Commr.'s Office).	
54	·677	·659	·672	+·038	88	63	59	76	+ 7	5·6	6·3	6·0	+1·8	41	2	9	2	1			3	4	N 17° E	S 81° E	18	32	79*	94	2·74	0·79	Hyderabad (Deccan).	
47	·778	·844	·803	−·049	82	70	71	76	− 5	2·0	2·0	2·0	−1·1		5	16	10	1			6	24	N 1° W	N 9° E	53	32	181	218	0	0	Bombay.	West Coast.
70	·867	·870	·849	+·020	91	85	77	87	+ 2	1·7	3·3	2·5	−1·9	1	17						20	24	N 48° W	N 75° W	8	66	73	60	0·91	0·28	Karwar.	

†† Mean of 28 days. ‡‡ Mean of 21 days. † Wind variable 1. ‡ Wind observations 4 less. * Corrected.

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Abstract of Observations recor ded at 10 h. and 16 h., at 62 Stati

Meteorological Province.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure.						Temperature of air.										Temperature, Wet-bulb.			
			Mean of 10 h.	Mean of 16 h.	Mean daily range.	Mean of daily mean pressures.	Departure from normal.	Mean reduced to sea-level and gravity 45° Lat.	Mean maximum.	Mean minimum.	Mean daily range.	Highest maximum.	Lowest minimum.	Absolute range.	Mean 10 h.	Mean 16 h.	Mean of daily means.	Departure from normal.	Mean minimum.	Mean 10 h.	Mean 16 h.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	
South India.	Periyakulam	944	28·985	28·853	·132	28·919		29·798	88·6	71·3	17·3	96·1	66·2	29·9	81·3	84·4	80·0		69·5	73·5	74·2	
	Salem	940	29·010	·878	·132	·952	+·001	·828	88·6	72·2	16·6	97·2	67·4	29·8	81·8	85·0	78·9	+0·1	70·7	76·1	78·7	
	Chitaldroog	2,405	27·549	27·436	·113	27·495	+·010	·818	83·9	67·7	16·2	87·9	62·9	25·0	77·6	79·8	74·3	−0·4	65·0	70·1	69·2	
	Bangalore	3,021	26·963	26·847	·116	26·906	−·001	·816	82·0	65·1	16·9	85·6	58·6	27·0	76·3	77·5	72·1	+0·3	64·1	70·0	69·7	
	Hassan	3,091	·907	·796	·111	·853	+·013	·829	82·2	64·1	18·1	85·8	57·8	28·0	76·6	76·9	71·7	+0·4	63·7	69·7	68·7	
	Mysore	2,518	27·452	27·329	·123	27·392	−·002	·822	83·4	67·2	16·2	87·3	59·2	28·1	77·4	80·2	73·8	−0·3	65·7	70·0	69·6	
	Pudukkottai	318	29·617	29·489	·128	29·553		·801	90·2	75·0	15·2	98·5	71·7	26·8	83·7	86·2	82·6		72·6†	75·4	75·9	
	Madras	22	·903	·783	·120	·848	+·003	·801	89·7	75·8	13·9	94·6	69·2	25·4	85·4	85·6	81·4	+0·6	74·1	77·7	77·9	
	Bellary	1,475	28·456	28·335	·121	28·399	0	·814	90·3	71·4	18·9	96·7	65·4	31·3	82·5	82·8	79·6	+0·5	67·9	71·8	70·7	
	Waltair	*226*	29·691	29·580	·111	29·632	+·001	·798	88·3	76·7	11·6	90·5	72·0	18·5	85·9	85·0	81·3	+0·1	71·7	75·7	76·0	
Hill Station, Baluchistan.	Quetta	5,502	24·745	24·665	·080	24·696	+·007	24·656	77·5	40·3	37·2	83·2	34·8	48·4	69·6	72·2	58·9	+2·4	37·6	51·0	51·4	
Hill Stations, Northern India.	Leh	11,503	19·801	19·688	·113	19·746	+·013	19·713	59·9	32·3	27·6	70·1	22·9	47·2	49·1	56·2	44·5	+1·8	27·8	36·9	40·2	
	Srinagar	5,204	24·986	24·880	·106	24·931	−·004	24·902	73·7	44·2	29·5	81·5	33·4	48·1	60·9	71·9	57·3	+4·1	42·1	57·0	66·9	
	Sarain		23·252	23·186	·066	23·211			64·8	42·8	22·0	70·0	36·5	33·5	58·8	58·1	53·8			49·2	50·4	
	Kalabagh		20·216	20·178	·038	20·197			48·4	37·8	10·6	56·4	32·3	24·1	44·4	45·0	43·1			38·6	40·2	
	Simla (Ridge)	7,224	23·214	23·152	·062	23·174	+·005	23·136	61·9	51·3	10·6	65·6	47·2	18·4	57·0	58·9	56·6	−0·1	45·9	49·4	51·5	
	Chakrata	7,022	·371	·329	·042	·344	+·009	·304	67·2	52·4‡	14·8	69·8	44·0	25·8	61·2	60·8	59·9‡	+1·3	48·8	54·6	55·4	
	Muktesar	7,600	22·933	22·863	·070	22·889		22·847	64·7	50·4	14·3	69·5	44·3	25·2	58·4	61·6	57·6		44·8	51·6	54·3	
	Katmandu	4,388	25·711§	25·602	·109	25·654	+·017‖	25·607	78·9	56·2	22·7	82·7	48·0	34·7	69·8	74·8	67·6	+0·7‖	54·4	63·0	64·4	
	Darjeeling	7,376	23·096	23·056	·040	23·073	+·005	23·028	61·7	50·0	11·7	65·0	44·9	20·1	58·6	60·9	55·9	+0·7	48·2	56·0	57·5	
Hill Stations, Central India.	Mount Abu	3,945	26·149	26·075	·071	26·104	+·014	26·055	77·3	64·5	12·8	80·8	58·4	22·4	74·3	74·5	70·9	−0·7	56·7	61·0	60·9	
	Pachmarhi	3,528	§·531	††·446	·085	·483	+·018	††·429	77·9	57·0	20·9	81·6	50·2	31·4	74·0	76·4	67·5	−1·4	52·1§	62·9§	63·6	
	Chikalda	3,642	·411	·325	·086	·362	+·012	·306	78·9	63·1	15·8	82·7	57·6	25·1	74·6	76·4	71·2	0	58·8	64·5	65·1	
Hills Stations, S. India.	Kodaikanal	7,688	22·854	22·775	·079	22·814		22·750	62·6	51·6	11·0	67·2	47·1	20·1	59·6	57·4	57·1		49·8	56·4	55·4	
	Ootacamund	*7,322*	23·076	·999	·077	23·036		·972	63·5	50·6	12·9	67·1	43·7	23·4	60·9	58·8	57·0		48·4	55·5	55·0	
	Dodabetta	8,539	22·044	21·980	·064	22·012		21·948	56·5	47·2	9·3	61·7	42·4	19·3	54·6	53·4	52·1‡‡			51·1	50·8	
Extra India.	Aden	94	29·901	29·793	·108	29·849	+·019	29·824	87·9§	77·9§	10·0	95·7	74·7	21·9	85·0	84·6	81·3‡‡	−1·1	73·0	78·1	78·3	
	Perim	201	·734	·624	·110	·681	−·012	·816	91·2	81·6	9·6	94·5	79·0	15·5	88·2	89·1	84·8	+0·6	73·6	77·2	77·8	
	Minicoy	7	·958	·884	·074	·926		·859	86·2			85·4			83·0	82·3				77·7	77·3	
	Zanzibar	72	30·034	·916	·118	·980	+·012	·979	84·3	75·6	8·7	88·2	73·2	15·0	79·9	83·7	78·3	+0·6	71·6	74·9	74·7	
	Port Victoria (Seychelles).	15	·024	·935	·089	·991	+·036‖	·930	82·1	76·5	5·6	84·0	74·6	9·4	80·3	80·9	78·0	+0·3‖	71·6	75·1	74·9	
	Mauritiuc (Pamplemouses).	181				·964	+·011	30·094				82·5	60·1	22·4			71·2	−0·9				

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

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

‡‡ Mean of 29 days.
†† Mean of 28 days.

II—*concluded.*

in India, Burma, etc., for October, 1906—concluded.

Vapour Tension.					Humidity.					Cloud.				Wind direction.										Wind Steadiness.		Wind Velocity.		Rainfall.		Station.	Meteorological Province.
From minimum.	Mean 10 h.	Mean 16 h.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 h.	Mean 16 h.	Mean of daily means.	Departure from normal.	Mean 10 h.	Mean 16 h.	Mean of two previous columns.	Departure from normal.	Total number of 10 h. and 16 h. winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Mean wind direction.	Normal mean wind direction of month.	Average percentage.	Normal percentage.	Mean velocity in miles, per diem.	Normal.	Total rainfall for the month.	Heaviest rainfall during the month.		
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
																									%	%						
·698	·722	·712	·711		90	68	62	73		5·2	8·3	6·8		19	3	2	5	9	6	10	7	1	S 8° W		23		40*		5·16	1·13	Periyakulam.	South India.
·731	·836	·908	·837	+·072	93	76	75	83	+ 5	5·9	7·7	6·8	+0·7	18	2		2	1		5	31	3	S 89° W	S 51° W	55	26	83*	60	6·93	1·85	Salem.	
·588	·646	·586	·621	+·023	86	58	58	74	+ 5	5·9	7·7	5·8	+0·9	6	3	7	18	4	1	1	7	15	N 28° E	N 39° E	26	15	95*	134	4·61	0·81	Chitaldroog.	
·590	·666	·640	·646	+·038	94	73	68	81	+ 3	5·8	7·4	6·6		2	5	11	17	4	2	6	10	5	N 53° E	N	19	8	136*	113	6·41	1·48	Bangalore.	
·588	·617	·613	·630	+·032	93	71	66	81	+ 4	7·0	8·0	7·5	+0·5	12	4	10	13	6	1	1	6	9	N 44° E	N 48° E	26	42	38*	60	11·52	2·76	Hassan.	
·617	·644	·596	·633	+·005	92	68	58	76	+ 1	7·2	7·9	7·6	+0·3		2	9	16	10	5	5	9	6	S 77° E	N 63° E	21	12	152*	175	5·28	1·17	Mysore.	
·770	·768	·763	·767		89	68	64	74		6·2	7·0	6·6		4	15	9	2	5	5	6	1	15	N 11° W		32		148*		6·26	0·92	Pudukkottai.	
·861	·851	·859	·862	+·006	92	70	70	79	− 4	5·3	4·8	5·1	−0·9		12	5	6	15	4	7	7	6	N 87° E	N 54° E	6	20	111	115	4·15	1·16	Madras.	
·646	·652	·609	·651	+·028	83	58	56	70	+ 5	5·5	6·7	6·1	−0·6	10	12	8	9	5	1	1	7	9	N 12° E	N 40° E	31	13	78*	103	3·65	0·96	Bellary.	
·713	·761	·782	·767	−·025	78	61	65	70	− 3	5·7	6·0	5·9	+1·1		2	22	10	8	10	10			S 78° E	N 82° E	40	10	160*		3·45	0·98	Waltair.	
·201	·183	·166	·181	−·001	80	25	21	43	+ 1	0·2	0·8	0·5	−0·1	53							6	3	N 75° W	N 60° W	13	42	6*	46	0	0	Quetta.	Hill Stations, Baluchistan.
·117	·118	·117	·115	+·011	63	34	26	41	− 1	2·4	4·0	3·2	−0·8		1	2	2	2	16	26	12	1	S 39° W	S 60° W	68	45	66	48	0·01	0·01	Leh.	Hill Stations, Northern India.
·251	·431	·617	·388	+·086	84	79	77	80 ¶	0	0·9	2·9	1·9	−0·8	22	6	7		6	2		6	13	N 27° W	N 23° W	21	18	53*	72	0·21	0·09	Srinagar.	
	·257	·290				50	60			1·2	2·2	1·7		28		2	1		18	11	2		S 17° W		40		69a		0·31	0·31	Sarain.	
	·196	·214				63	70			3·1	5·2	4·2		23	3		3	12	13	1	1	6	S 21° E		26		188*		0·06	0·04	Kalabagh.	
·259	·278	·309	·280	+·044	67	59	61	63	+10	1·5	2·9	2·2	+0·8	18	19	2	3	1	3	2	8	6	N 24° W	N 24° W	34	16	106*	108	0	0	Simla (Ridge).	
‡ ·353	·363	·389	·366	+·087	89	66	72	77	+17	0·9	2·7	1·8	+0·1	11	3			22	24	2			S 20° E	S 51° W	64	32	135*	149	1·00	0·85	Chakrata.	
·244	·317	·354	·303		65	64	64	65		3·7	4·3	4·0		17	2	1		3	1	2	36		S 87° W		56		153*		0·42	0·22	Muktesar.	
·409	·501	·484	·463	−·013	89	68	57	72	− 3	1·6	3·4	2·5	−1·5	1			29	1		1	30		S 29° W	S 86° W	3	34	19	16	2·05	1·25	Katmandu.	
·324	·425	·450	·398	+·028	88	85	86	87	+ 2	5·8	6·3	6·3	+0·3	16	1	12	1	5	1	5	7	14	N 33° W	S 88° W	23	15	63*	79	0·62	0·21	Darjeeling.	
·375	·386	·382	·382	+·049	62	47	46	55	+ 9	1·6	3·6	2·6	+0·8		14	14	1	7	12	6	3	5	N 39° E	N 46° W	13	13	126*	118	1·18	0·49	Mount Abu.	Hill Stations, Central India.
·331§	·446§	·447	·409	−·020	72§	53§	49	61	− 1	1·7	1·9	1·8	−1·6	1	2	21	6	9		5	6	12	N 31° E	N 30° E	29	28	75*	77	0	0	Pachmarhi.	
·452	·492	·503	·483	+·025	77	58	55	66	+ 3	1·9	3·7	2·8	−0·6	34	8	6		9				5	N 36° E	N 3° E	19	40	188*	146	0	0	Chikalda.	
·345	·425	·423	·398		90	83	89	87		6·7	8·5	7·6			6	12	10	11	9	1		13	N 70° E		29		266		7·00	1·25	Kodaikanal.	Hill Stations, S. India.
·325	·389	·395	·365		86	72	79	79		7·2	9·1	8·2		1		8	16	14	10		6	7	S 65° E		37		117*		6·92	1·39	Ootacamund.	
	·344	·348				80	84			8·5	9·8	9·2			2	5	10	17	11	8	5	4	S 33° E		39		401		8·29	2·02	Dodabetta.	
·747§	·869	·887	·878	+·116	79§	73	75	82	+13	2·7	2·3	2·5	+0·8			33	7	13	4	4		1	N 78° E	S 78° E	60	55	404*	307	0	0	Aden.	Extra-India.
·725	·787	·806	·817	−·028	67	59	59	68	− 3	0·2	0·1	0·2	−1·0‖					33	29				S 24° E	S 85° E	92	80	349*	444	0	0	Perim.	
	·877	·870				78	79			6·1	6·1 §	6·1			8	5	1		1	12	20	15	N 70° W		60		204*		9·93	2·55	Minicoy.	
·727	·799	·737	·798	−·012	82	78	64	81	− 2	5·7	4·3	5·0	−0·1	1	2	5	5	12	19	17	1		S 7° E	S 6° E	55	47	107*	120	5·48	2·23	Zanzibar.	
·713	·807	·788	·782	−·012	78	78	74	79	− 2	4·9	4·8	4·9	−1·3‖				5	46	10	1			S 40° E	S 39° E	92	51	253	191	4·62	1·60	Port Victoria (Seychelles).	
			·559	+·007				73	+ 3			7·4	+1·7										S 80° E	S 78° E			234	264	2·07	0·60	Mauritius (Pamplemousses).	

* Corrected.

§ Mean of 30 days.

‡ Mean of 23 days.
(*a*) Mean of 26 days.

‖ Departures from old normals.
† Mean of 27 days.

¶ Mean of three previous columns.

G. I. C. P. O.—No. 269 Meteor.—17-6-07—385.

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

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

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

Engraved at the Survey of India Office, Calcutta, December 1906.

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

PLATE III.

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

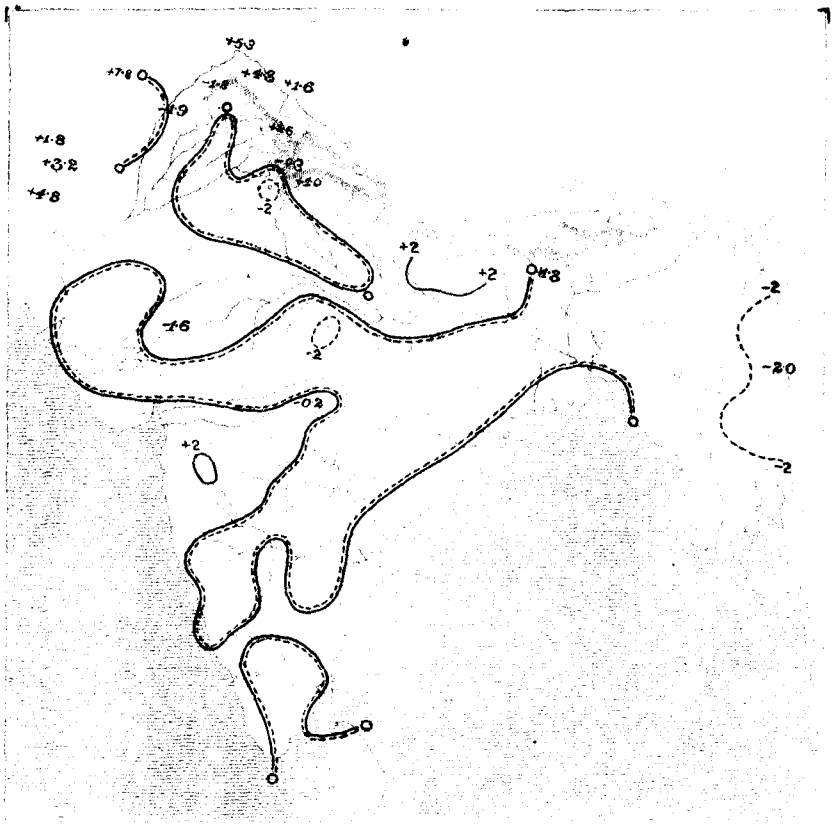


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MINIMUM TEMPERATURE.

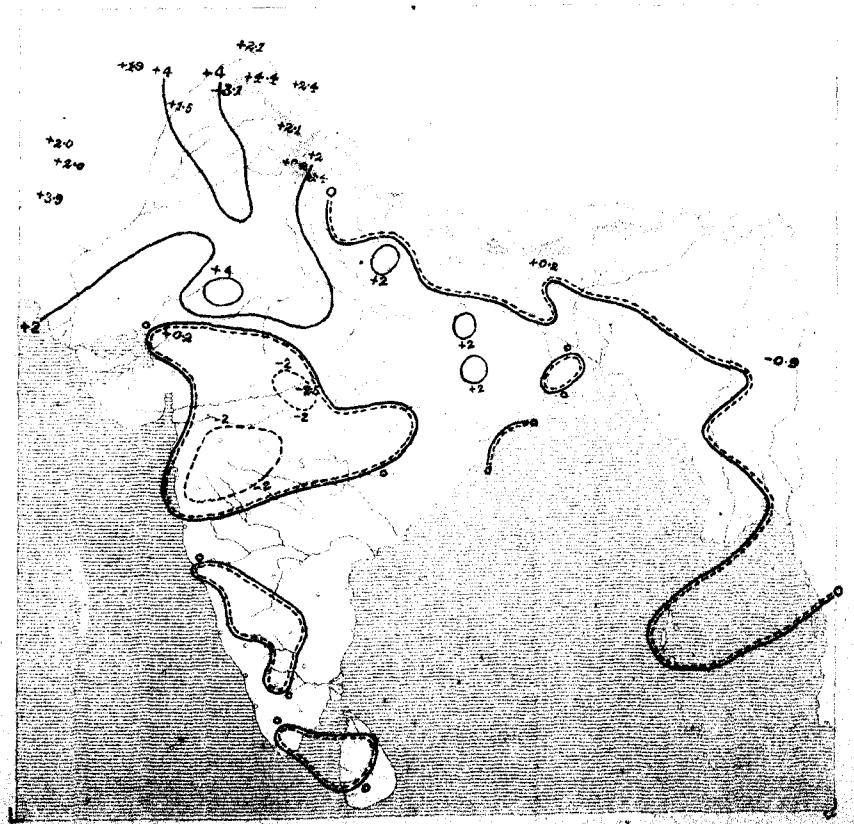


PLATE IV.

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

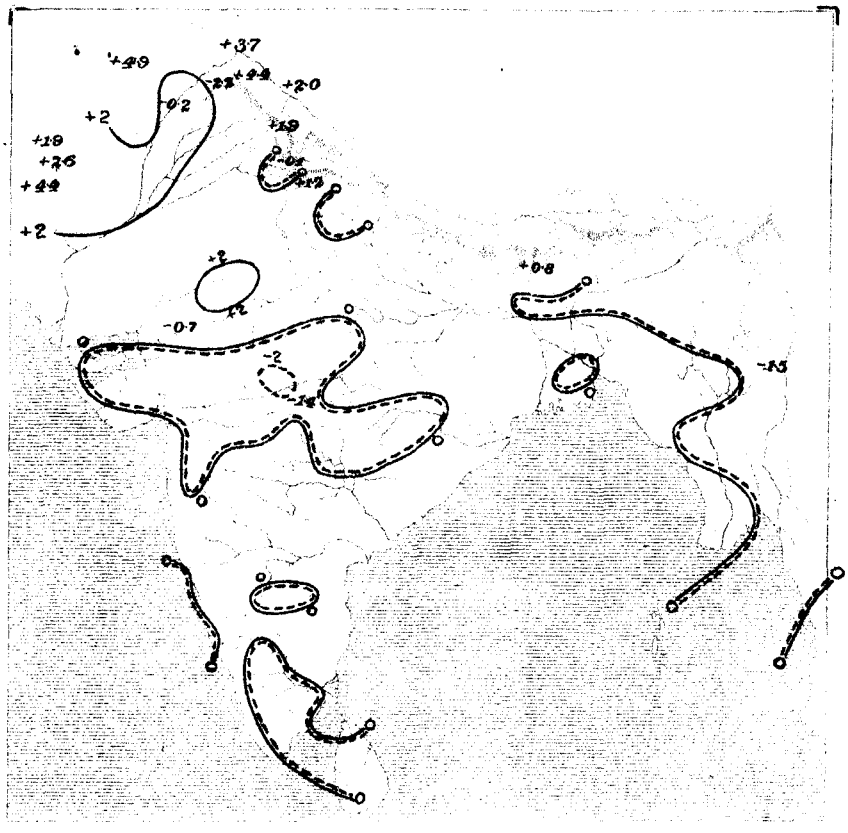
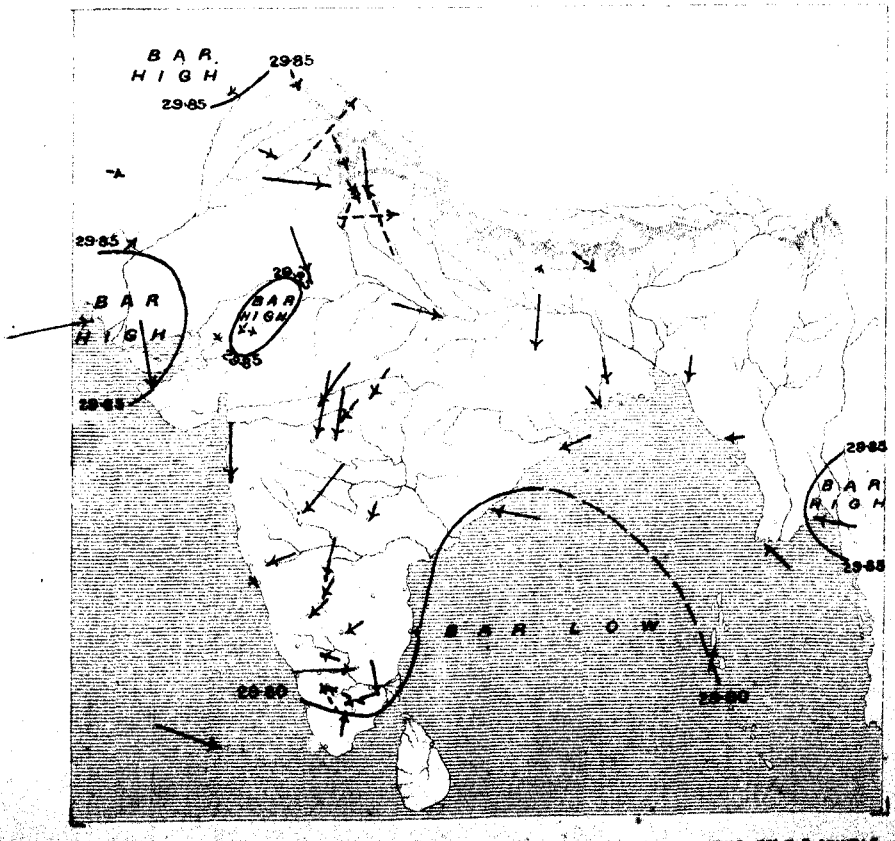


CHART SHEWING THE MONTHLY MEAN OF PRESSURE AND RESULTANT WIND DIRECTION.



LITHO. BY G.E. MUDDLE.

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

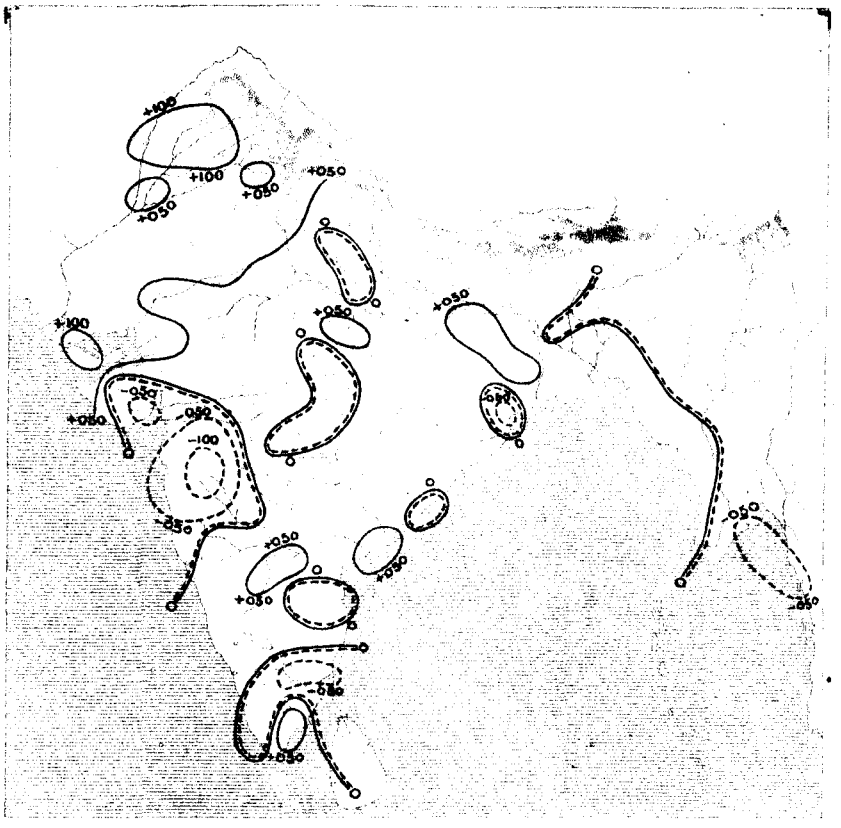
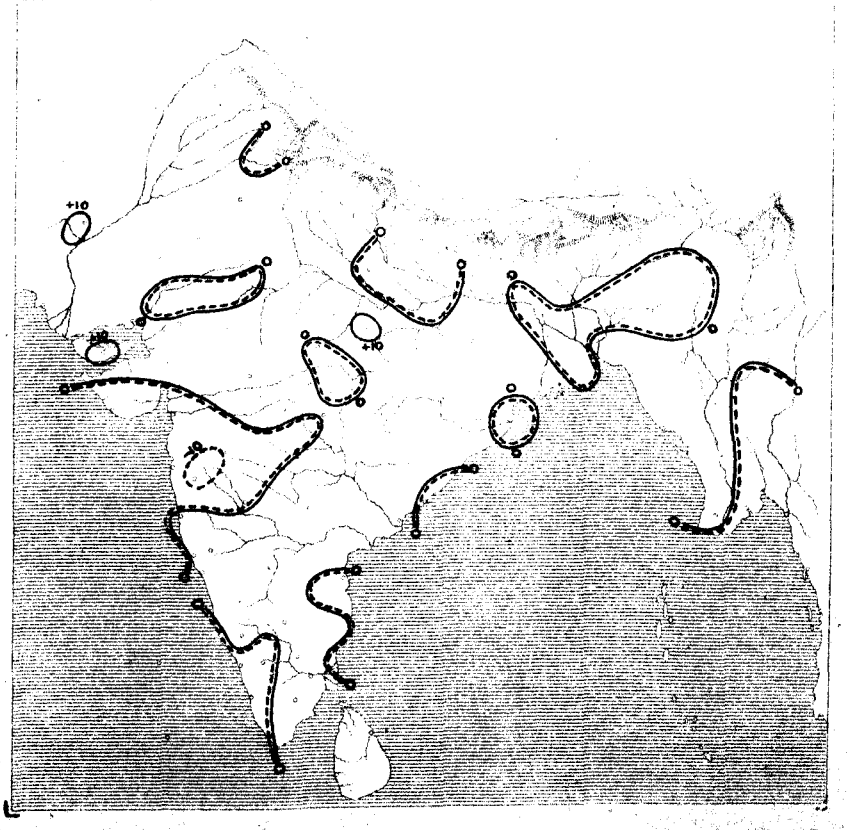


CHART SHEWING THE DEPARTURE FROM NORMAL
OF THE MONTHLY MEAN OF RELATIVE
HUMIDITY AT 8 HRS.



LITHO. BY G. S. MUNDLE.

PLATE VI.

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

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

LITHO. BY S. S. MINDLE.

The chart shows the distribution of the rainfall of the month by means of isohyetic lines or lines of equal amounts of rain. The data used in the preparation of this chart are the rainfall returns of all the observatories in India except those at the hill stations over 3,500 feet in elevation (177 in number). The double line or line of no rainfall separates areas in which the rainfall exceeded a tenth of an inch from those where it was actually or practically *nil* (*i.e.* less than a tenth of an inch). The dotted line faces the area of no rainfall.

Engraved at the Survey of India Office, Calcutta, December 1904

The country is divided into 57 areas, over each of which the meteorological conditions are fairly uniform, and the staple crops similar in character. The numbers in bracket on the chart give the average over the division of the normal monthly rainfall; the numbers above these give the departure from these normals of the average actual rainfall over the division. The name of the district can be ascertained by referring in the following list to the number given in each district in red figures.

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

GOVERNMENT OF INDIA.

METEOROLOGICAL DEPARTMENT.

MONTHLY WEATHER REVIEW.

PUBLISHED BY ORDER OF

THE GOVERNMENT OF INDIA.

CALCUTTA, NOVEMBER, 1906.

INTRODUCTION.

THIS review of the weather in India during the month of November 1906, is based on observations taken daily at 8 h. at 235 stations, and on additional observations taken at 10 h. and 16 h. at 61 stations. In the rainfall summary the data furnished by the meteorological observatories, and such rainfall statements of the month as had been published by the Provincial Governments up to the date of the preparation of the review, have been utilized. The brief notes on solar, seismic and magnetic disturbances have been supplied by the chief observatories.

For a statement of the methods adopted in recording and tabulating the data, for each of the elements of observation, reference should be made to the introductory portion of the review for January.

Summary of the chief features of the weather in India during the month of November, 1906.

2. On the average of the whole of India weather was drier and warmer and skies were clearer than is usually the case in November, and barometric pressure was in mean geographical excess by ·027″.

Humidity was high in the northwest, northeast and south of India, and low over the central parts of the country. Cloud amount was below normal everywhere except in the south and west of the Peninsula, central Burma and upper Assam. Temperature, both by day and night, was in excess over the greater part of the country, most markedly in northwest India where it ranged up to 6° above normal. The excess of pressure was higher in the hills of norther India than in the plains, so that the vertical pressure gradients were slighter than usual. Winds had a more westerly tendency than usual in northern India, and in the Peninsula shewed a strong north component. Rainfall was below normal except in Burma, Eastern Bengal and Assam and the south of Madras. The largest defect occurred in Mysore where only 25 per cent. of the normal quantity was received. No rain at all fell over the tract of country which includes the United Provinces, the Punjab, Rajputana, Central India, Sind and Gujarat.

Solar, seismic and magnetic disturbances.

KODAIKANAL OBSERVATORY.

3. *Solar observations.*—November was, as usual, an unfavourable month for observations. Three days were completely overcast and the weather was fine enough for prominence work on only 16 days.

Sunspots.—The number of new groups observed was only 15 against 19 in October, but as several of the groups were long-lived the average daily number was 2·9 against 1·8 in October. There were seven days on which only one group and eight days on which only two groups were visible. Towards the end of the month there was distinct evidence of increased activity, and on the 26th and 27th no less than 7 groups were visible. The chief groups of the month were Nos. 981, 987, 989 and 990. They were all of only moderate size and of regular outline. No. 981, which was the first new group of the month, was also the

largest. It came round the east limb on the 8th and consisted of a round regular spot with one small companion in the front and several in the rear. The leading spot disappeared on the 11th, and those in the rear after passing through many changes were lost sight of on the 18th. The main spot showed no large changes during its whole course across the disc, but on the 10th the spectrum indicated considerable disturbance in the region occupied by the group. No. 987 was a regular and comparatively large spot when first seen, but it soon began to decay and break up and had entirely disappeared before reaching the west limb. No. 989 consisted of a main spot with a double umbra and small companions near it. The umbra became treble on the 28th and by the last day of the month all the companions had disappeared.

Of the 15 new groups 9 were in the northern and 6 in the southern hemisphere, and all except one lay between latitudes 0° and 19°.

Prominences.—Owing to the unfavourable weather prominence observations were very incomplete. Fourteen prominences of 1 minute in height or over were observed. The tallest of these was 80″ high and was seen on the 1st at position angle 349°.

Magnetic disturbances.—There was a "moderate" magnetic disturbance on the 21st and 22nd when no spot was near the central meridian.

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

BOMBAY OBSERVATORY.

Note on the Colaba and Alibag record.

4. *Magnetic record.*—During the month the traces showed 11 calm days, 18 days of small and one day of moderate disturbance.

Movements, suspected to be due to seismic causes, occurred on the 10th and 25th at about 16½ h. and 18 h., respectively, the strain apparently lasting for about 7 hours in the first and for about 6 hours in the second case.

The days selected as quiet for the purposes of the magnetic survey of India are the 1st, 4th, 15th, 27th and 30th.

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

Declination	1° 3′ 50″ east.
Horizontal force	0·36887 C. G. S. unit.
Dip	23° 10′·7.
Horizontal force range	0·00036 C. G. S. unit.
Horizontal force, summed range	0·00215 C. G. S. unit.
Declination range	1′·16.
Declination summed range	5′·77.

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

Magnetic disturbances.

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

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

Seismic record.—Three seismic disturbances recorded during the month, on the 14th, 19th and that recorded on the 19th being the largest and havi amplitude of 8·7 m.m.:—

Date.	G. M. T. of Commencement.	G. M. T. of Max.	G. M. T. of End.	Max. Ampl. in m.m.	Du
	H. M.	H. M.	H. M.		H
14	18 9·5	18 37·9	19 20·7	0·6	1
19	7 27·9	7 52·4	9 42·0	8·7	2
28	10 10·6	10 27·6	10 55·5	0·6	0

N. A. F. MOOS
Director, Bombay Observ

CALCUTTA OBSERVATORY.

5. *List of displacements recorded by the Milne seismograph at the Alipore Observatory.*

Date 1906.	P. T. Commencement. G. M. T.	L. W. Commencement. G. M. T.	Maxima. G. M. T.	End. G. M. T.	Duration.	Max. displacement on trace from mean position. m.m.	Rem
	H. M.	H. M.	H. M.	H. M.	H. M.		
5-11-06.	20 6·2	20 11·3	20 12·8	20 43·8	0 37·6	0·75	
12-11-06.	17 39·8	17 44·8	17 46·4	18 2·1	0 22·3	1·25	
14-11-06.	18 1·6	18 22·5	18 23·5	19 21·4	1 19·8	0·50	
19-11-06.	7 25·5	7 32·6	7 58·6	11 2·1	3 36·6	5·75	
28-11-06.	10 31·6	...	10 47·9	11 3·1	0 31·5	0·50	

C. W. PEAKE
Meteorologist, Calcu

SIMLA OBSERVATORY.

6. *List of earthquakes recorded by the Omori-Ewing seismograph; the magnification was 20 on the 5th, and 18 during the remainder of the month.*

Day.	Beginning of 1st P. T.	Beginning of 2nd P.T.	Beginning of L. W.	Time of maximum amplitude.	Approximate end.	Duration.	Maximum displacement of style.
	G. M. T.	G. M. T.	G. M. T.	G. M. T.	G. M. T.		m.m.
	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	
5	2 40·85	...	...	2 41·05	2 45·5	0 4·65	0·05
12	16 18·4	16 22·3	16 25·0	16 25·75	16 31·3	0 12·9	2·0
20	0 52·3	...	...	...	0 53·1	0 0·8	Very small
20	8 24·2	...	...	8 24·5	8 24·7	0 0·5	0·05
21	7 5·5	...	...	7 5·9	7 8·0	0 2·5	0·5
27	5 46·65	...	...	...	5 50·5	0 3·85	Very small

Two shocks of earthquake are reported to have been felt at Mount Abu; on the 6th at G. M. T. 6 h. 21 m. lasting for 25 seconds, and on the 8th at G. M. T. 10 h. 56 m. lasting for 14 seconds.

J. H. FIELD,
Imperial Meteorologist.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

7. *Solar observations.*—Observations were taken on every day except the 4th and 5th, one group or more of sunspots being seen throughout: faculæ were visible on each day of observation.

Magnetic disturbances.

Day.	Time.	Disturbance.
9	3 h. to 4½ h.	Wave in H. F. (+14).
12	1 h. to 1¾ h.	Sharp wave in H. F. (+17).
16	2¼ h. to 4 h.	Wave in H. F. (+9).
17 to 18	13 h. to 10 h.	Frequent small fluctuations in H. F.
18	7 h. to 8 h.	Wave in Dec. (+2'·8).

The measurements of horizontal force (H. F.) are given in C. G. S measure (unit='00001).

A. WALTER, *Director.*

Weather in the Indian monsoon region.

8. Pressure was well above the average over the Indian Ocean as represented by Mauritius, Zanzibar and the Seychelles, but the air movement did not differ materially from the normal type. Rainfall agreed closely with the normal at Zanzibar, but was low at the other two stations, Mauritius receiving only 36%, and the Seychelles 67% of the normal amounts:—

November.	Mauritius.	Zanzibar.	Seychelles.
Departure from normal of mean pressure.	+″042	+″034	+″047
Actual mean wind direction	S 83° E	S 43° E	S 59° E
Normal mean wind direction	S 83° E	S 36° E	S 56° E
Actual mean wind velocity (miles per diem).	209	91	145
Normal mean wind velocity (miles per diem).	257	110	127
Rainfall departure	−1·18	+0·17	−3·83

Depressions and cyclonic storms.

9. Two depressions appeared in the Indian area during the month, and a third was approaching the north-western frontier from Persia at its close.

The first depression developed over the Bay of Bengal in an area of low barometer which formed on the 14th in the neighbourhood of Ceylon. The barometric depth of this depression was not great, and no movement appears to have occurred between the 14th, and the 17th, when the depression had become practically filled up. During its continuance a marked increase of rainfall was caused in the south of India, and weather remained unsettled until the 19th.

The second depression was of the winter type, and travelled westwards into northern India from Asiatic Turkey. On the 26th, it was affecting weather in Persia, and by the following day, when it had almost disappeared, it had given light rain in Baluchistan.

Pressure.

10. Pressure was in larger excess than in October, the geographical mean on the average of the whole month being ·027″ above normal. The excess was least in the north along the base of the Himalayas, and greatest over the Peninsula, Tenasserim and probably the west of the Bay. This distribution reduced to some extent the range of pressure which usually prevails in November over the Indian area. The barometric excess was more marked in the hills than in the plains.

During the first thirteen days of the month pressure was low in the north, and the distribution was such as is usually to be found in October, but during the second half of the month barometric conditions approximated more closely to the normal for November.

The following tables show details of pressure for the month :—

Hill Station.	Departure from normal pressure.	Plain Station.	Departure from normal pressure.	Departure of pressure difference.
	″		″	″
Quetta	+·036	Jacobabad	+·018	—·018
Leh	+·055	Lahore	+·010	—·045
Simla	+·032	Ludhiana	+·024	—·008
Murree	+·039	Peshawar	+·002	—·037
Chakrata	+·027	Roorkee	+·024	—·003

Hill Station.	Departure from normal pressure.	Plain Station.	Departure from normal pressure	Depar o pres differ
	″		″	
Darjeeling	+·021	Dhubri	+·011	—
Mount Abu	+·036	Deesa	+·024	—
Pachmarhi	+·031	Khandwa	+·024	—
Lashio	—·019	Bhamo	+·018	+

Meteorological Province.	Departu from nor of mea pressu
	″
Burma Coast and Bay Islands	+·0
Burma, Inland	+·0
Assam	+·0
Bengal and Orissa	+·0
Gangetic Plain and Chota Nagpur	+·0
Upper Sub-Himalayas	+·0
Indus Valley and North-West Rajputana	+·0
East Rajputana, Central India and Gujarat	+·0
Deccan	+·0
West Coast	+·0
South India	+·0

Temperature.

11. Conditions of temperature were approximately normal throughout the country except in the north-western parts of India, where weather was much warmer than usual both by day and by night. The high temperatures of the latter region were not restricted to the plains, for in Baluchistan, Afghanistan, and the western Himalayas mean temper ruled from 2° to 5° above normal.

As is usually the case in November, temperature very unsteady in Burma and the eastern half of Peninsula; but it was in persistent excess in north- India.

Province.	Division.	Actual temperature.					Departure from normal of mo		
		Mean maximum.	Mean minimum.	Monthly mean of mean between maximum and minimum.	Mean daily range of temperature.	Absolute range during month.	Maximum.	Minimum.	ra
		°	°	°	°	°	°	°	
Burma	Tenasserim	86·7	73·8	80·3	13·0	21·9	—0·3	+0·7	
	Lower Burma (Deltaic)	86·4	74·0	80·2	12·4	19·6	—0·1	+1·0	
	Central do.	88·3	68·7	78·6	19·6	31·7	+0·7	+0·1	
	Upper do.	86·3	66·1	76·2	20·2	33·6	+0·3	+1·2	
	Arakan	84·5	69·9	77·2	14·6	21·7	—0·6	—1·5	

Province.	Division.	Actual Temperature.					Departure from normal of month of		
		Mean maximum.	Mean minimum.	Monthly mean of mean between maximum and minimum.	Mean daily range of temperature.	Absolute range during month.	Maximum.	Minimum.	Daily range.
		°	°	°	°	°	°	°	°
Bengal and Assam	Eastern Bengal	83·4	65·4	74·4	18·1	27·0	+0·9	+0·7	+0·2
	Assam (Surma)	84·5	63·8	74·2	20·7	30·6	−0·3	+0·2	−0·5
	Do. (Hills)	66·8	50·8	58·8	16·0	25·6	...	...	...
	Do. (Brahmaputra)	80·0	61·9	70·9	18·0	30·0	−0·1	+0·7	−0·8
	Deltaic Bengal	83·4	65·5	74·5	17·9	28·0	+1·2	+0·9	+0·3
	Central do.	82·5	63·0	73·1	18·9	29·7	+0·7	+1·7	−1·0
	North do.	82·3	61·6	72·0	20·6	29·4	+0·2	+0·2	0
	Bengal Hills	54·5	36·9	45·7	17·6	29·9	+3·0	+1·8	+1·2
	Orissa	84·6	65·2	74·9	19·4	32·6	+0·8	+0·4	+0·4
	Chota Nagpur	81·2	58·9	70·0	22·3	33·5	+0·1	+0·9	−0·8
	Bihar (South)	84·8	60·5	72·7	24·3	35·2	+1·6	+1·0	+0·6
	Do. (North)	83·5	59·3	71·4	24·2	34·5	+1·7	−1·3	+3·0
United Provinces of Agra and Oudh.	United Provinces (East)	85·4	55·5	70·5	29·9	40·8	+2·8	−0·1	+2·9
	Oudh (South)	84·6	54·0	69·3	30·6	40·9	+1·3	+1·2	+0·1
	Do. (North)	84·7	56·6	70·7	28·1	38·6	+1·9	0	+1·9
	United Provinces (Central)	87·0	56·5	71·8	30·4	39·4	+2·4	+0·6	+1·8
	Do. (West)	84·9	55·4	70·2	29·6	38·7	+2·1	+2·1	0
	Do. (East Submontane).	84·4	57·6	71·0	26·8	36·1	+2·8	−0·7	+3·5
	Do. (West Submontane).	80·6	52·1	66·4	28·5	38·5	+1·7	+0·6	+1·1
	Do. (Hills)	63·3	44·9	53·7	18·4	28·1	+4·5	+0·3	+4·2
Punjab	Punjab (South-East)	84·4	58·1	71·3	26·3	39·0	+1·5	+1·9	−0·4
	Do. (South)	85·2	52·8	69·0	32·4	42·0	+2·2	+4·2	−2·0
	Do. (Central)	86·4	50·6	68·5	35·8	46·3	+2·8	+3·8	−1·0
	Do. (Submontane)	82·9	50·3	66·6	32·6	44·0	+2·6	+1·6	+1·0
	Do. (Hills)	59·9	34·6	47·2	25·3	37·6	+3·8	+1·2	+2·6
	Do. (West)	87·3	54·6	71·0	32·8	44·0	+3·5	+3·6	−0·1
N.-W. F. Province	North-West Frontier Province	82·5	50·3	66·4	32·2	42·3	+2·9	+4·3	−1·4
Bombay and Malabar Coast Districts (Madras).	Malabar	86·4	74·3	80·4	12·1	18·0	0	+0·6	−0·6
	Madras (South Central)	85·9	69·3	77·7	16·6	27·5	−0·9	+0·6	−1·5
	Coorg	75·9	60·9	68·4	15·0	20·9	0	+0·8	−0·8
	Mysore	82·5	62·9	72·8	19·6	27·2	+1·6	+0·5	+1·1
	Konkan	89·0	72·8	81·0	16·2	24·6	+1·2	+1·3	−0·1
	Bombay Deccan	86·8	61·7	74·3	25·2	37·7	+1·5	+0·8	+0·7
	Hyderabad (North)	86·1	62·2	74·1	23·9	38·3	...	...	...
	Khandesh	89·3	59·4	74·4	29·9	44·8	+2·6	+2·8	−0·2
Central Provinces and Berar.	Berar	89·2	61·1	75·2	28·1	39·2	+2·5	+1·6	+0·9
	Central Provinces (West)	87·1	57·5	72·3	29·6	40·4	+1·7	−0·5	+2·2
	Do. (Central)	84·2	57·5	70·9	26·7	38·6	+1·6	+1·3	+0·3
	Do. (East)	82·2	59·4	70·8	22·9	34·6	−0·5	−1·0	+0·5
Bombay (North)	Gujarat	94·9	62·9	79·0	32·0	40·3	+3·8	+0·9	+2·9
	Kathiawar and Cutch	91·2	64·8	78·0	26·4	36·9	+3·0	+0·5	+2·5
	Sind	91·8	62·4	77·1	29·4	41·1	+4·4	+4·9	−0·5
	Baluchistan Hills	70·4	36·4	53·4	34·0	45·0	+3·5	+2·4	+1·1
Rajputana and Central India.	Central India	84·8	55·1	70·0	29·7	40·1	+2·0	+1·1	+0·9
	Rajputana (East),	88·3	56·8	72·6	31·5	41·6	+3·7	+2·2	+1·5
	Do. (West)	90·7	59·2	74·9	31·5	42·9	+4·0	+2·9	+1·1
Madras	East Coast (North)	84·6	69·6	77·1	15·0	25·3	+0·9	−0·2	+1·1
	Hyderabad (South)	87·1	64·7	75·9	22·5	33·6	+1·4	+0·5	+0·9
	Madras (Central)	90·2	67·1	78·7	23·1	33·7	+2·5	+0·8	+1·7
	East Coast (Central)	86·8	71·5	79·2	15·4	25·3	+0·9	0	+0·9
	Do. (South)	85·6	72·3	79·0	13·3	24·7	+0·2	+0·7	−0·5
	Madras (South)	86·1	73·0	79·2	13·1	23·3	−0·5	−0·4	−0·1

Meteorological Province.	Departure from normal of		
	Mean maximum temperature.	Mean minimum temperature.	Mean temperature.
	°	°	°
Burma Coast and Bay Islands	−0·2	+0·5	+0·1
Burma Inland	+0·6	+0·9	+0·7
Assam	−0·1	+0·5	+0·2
Bengal and Orissa	+0·8	+0·7	+0·8
Gangetic Plain and Chota Nagpur	+1·7	+0·1	+0·9
Upper Sub-Himalayas	+2·2	+1·7	+2·0
Indus Valley and North-West Rajputana.	+3·8	+4·1	+3·9
East Rajputana, Central India and Gujarat.	+2·9	+1·3	+2·2
Deccan	+1·6	+0·8	+1·2
West Coast	+0·6	+1·0	+0·8
South India	+0·7	+0·3	+0·5

Winds.

12. At the Andaman Islands in the Bay of Bengal the direction of air movement was very abnormal, the mean actual direction being S. 13° E., while the normal for the month is N. 81° E. Over the greater part of northern India and at the head of the Bay of Bengal winds were more westerly than usual, and their steadiness was in general above normal. In the Peninsula the northerly component was strongly marked but the velocity was low at most stations.

In the hill stations of the western Himalayas and at Mount Abu and Chikalda wind strength was above normal.

Humidity and cloud.

13. Both absolute and relative humidity were above normal in north-west India except Kashmir, north-east India, Burma and a large part of the south of the Peninsula; but over the rest of the country the air was drier than usual. In comparison with normal figures, the air was driest in the regions represented by the stations of Malegaon, Ahmednagar, Benares, Saugor and Pachpadra, where the percentage of saturation averaged 15% less than usual.

Skies were comparatively clear over the whole of India except upper Assam, the central regions of Burma, parts of Bombay and the Central Provinces, and the south of the Peninsula. In relation to the normal, cloud amount was smallest in upper Burma, where the defect averaged as much as 2·1 out of the possible maximum of 10.

Meteorological Province.	Mean absolute humidity.		Mean relative humidity.		Mean cloud amount.	
	Average actual.	Departure from normal.	Average actual.	Departure from normal.	Average actual.	Departure from normal.
	"		%			
Burma Coast and Bay Islands.	·804	−·040	79	−4	3·6	−0·8
Bengal and Orissa	·642	+·014	76	−1	2·1	−1·0
Gangetic Plain and Chota Nagpur.	·386	+·002	60	0	1·0	−0·9
Upper Sub-Himalayas	·344	+·019	61	+2	0·6	−1·0
Indus Valley and North-West Rajputana.	·422	+·069	58	+4	1·5	−0·2
East Rajputana, Central India and Gujarat.	·274	−·016	37	−6	0·2	−1·2
Deccan	·412	−·016	52	−4	2·3	−0·2
West Coast	·715	−·007	73	−3	1·7	−0·3
South India	·593	−·004	70	−2	5·1	−0·2

Rainfall.

14. Rainfall was in defect, on the average of the whole country, by 21% of the month's normal amount.

The Bay current was less active than usual except in Burma, and Eastern Bengal and Assam, where rainfall was in excess by 13% and 61% respectively. Practically no rain fell over the greater part of northern India: the deficiency in that area was not, however, large in amount, the normal rainfall of the month being small, approximately a quarter of an inch. In the Peninsula rainfall was below normal except locally in the divisions of Madras (South), and East Coast (South). The defect was largest in Mysore which received only 25% of its usual quantity.

In Eastern Bengal and Assam rainfall was almost confined to the first three days, and in Burma to the first ten days: in Madras three periods of wet weather occurred, from the 7th to the 17th, the 20th to the 25th, and the 28th to

the 30th. The heaviest burst of rain in this area occurred between the 7th and the 17th, during which time several stations received falls ranging from 5 to 11 inches in 24 hours. The whole district of Tanjore received an average of 6·38 inches during 24 hours ending at 8 h. on the 14th.

Further details are given in the following tables:—

Province.	Rainfall Division.	Number of rainy days.		Rainfall.			
		Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure.
				Inches.	Inches.	Inches.	
Burma	Tenasserim	5·8	3·4	4·29	2·05	+2·24	+109
	Lower Burma (Deltaic)	3·0	2·6	1·54	1·69	—0·15	— 9
	Central do.	1·6	1·6	0·78	1·12	—0·34	— 30
	Upper do.	1·6	2·2	0·99	1·25	—0·26	— 21
	Arakan	1·5	2·2	1·04	1·54	—0·50	— 32
Bengal and Assam	Eastern Bengal	1·6	1·2	1·43	1·02	+0·41	+ 40
	Assam (Surma)	2·0	1·6	2·69	1·26	+1·43	+113
	Do. (Hills)	2·8	2·0	2·31	1·11	+1·20	+108
	Do. (Brahmaputra)	1·7	1·1	0·56	0·47	+0·09	+ 19
	Deltaic Bengal	1·4	0·9	1·00	0·76	+0·24	+ 32
	Central do.	0·6	0·6	0·45	0·43	+0·02	+ 5
	North do.	0·4	0·4	0·34	0·18	+0·16	+ 89
	Bengal Hills	0·4	0·8	0·09	0·31	—0·22	— 71
	Orissa	1·0	1·6	0·40	1·40	—1·00	— 71
	Chota Nagpur	0·5	0·6	0·30	0·35	—0·05	— 14
	Bihar (South)	0	0·3	0	0·21	—0·21	—100
	Do. (North)	0	0·2	0·02	0·11	—0·09	— 82
United Provinces of Agra and Oudh.	United Provinces (East)	0	0·3	0	0·17	—0·17	—100
	Oudh (South)	0	0·2	0	0·13	—0·13	—100
	Do. (North)	0	0·2	0	0·12	—0·12	—100
	United Provinces (Central)	0	0·2	0	0·15	—0·15	—100
	Do. (West).	0	0·1	0	0·05	—0·05	—100
	Do. (East Sub-montane)	0	0·2	0	0·10	—0·10	—100
	Do. (West Sub-montane).	0	0·3	0	0·17	—0·17	—100
	Do. (Hills)	0	0·4	0·01	0·24	—0·23	— 96
Punjab	Punjab (South-East)	0	0·2	0	0·08	—0·08	—100
	Do. (South)	0	0·1	0	0·06	—0·06	—100
	Do. (Central)	0	0·3	0	0·14	—0·14	—100
	Do. (Submontane)	0	0·4	0	0·20	—0·20	—100
	Do. (Hills)	0	0·8	0	0·52	—0·52	—100
	Do. (West)	0	0·2	0	0·10	—0·10	—100
North-West Frontier Province.	North-West Frontier Province	0	0·3	0	0·50	—0·50	—100
Bombay and Malabar Coast Districts (Madras).	Malabar	4·5	5·3	2·83	4·03	—1·20	— 30
	Travancore	11·8	...	9·96	...	...	...
	Madras (South Central)	6·4	5·8	3·57	3·85	—0·28	— 7
	Coorg	3·6	...	1·43	...	...	...
	Mysore	1·5	3·8	0·63	2·56	—1·93	— 75
	Konkan	0·8	1·4	0·37	0·87	—0·50	— 57
	Bombay Deccan	1·7	1·8	0·95	1·11	—0·16	— 14
	Hyderabad (North)	0·7	1·5	0·64	0·90	—0·26	— 29
	Khandesh	0·2	0·8	0·14	0·48	—0·34	— 71
Central Provinces and Berar	Berar	0·7	0·9	0·37	0·58	—0·21	— 36
	Central Provinces (West)	0·2	0·7	0·13	0·41	—0·28	— 68
	Do. do. (Central)	0·4	0·7	0·23	0·41	—0·18	— 44
	Do. do. (East)	0·6	0·8	0·23	0·49	—0·26	— 53
Bombay (North).	Gujarat	0	0·5	0	0·25	—0·25	—100
	Kathiawar and Cutch	0	0·4	0	0·32	—0·32	—100
	Sind	0	0·2	0	0·09	—0·09	—100
	Baluchistan Hills	0·4	1·2	0·10	0·51	—0·41	— 80

Province.	Division.	Number of rainy days.		Rainfall.			
		Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure.
				Inches.	Inches.	Inches.	
Rajputana and Central India.	Central India (East)	0	0·5	0	0·25	—0·25	—100
	Rajputana (East), Central India (West).	0	0·4	0	0·19	—0·19	—100
	Rajputana (West)	0	0·3	0	0·20	—0·20	—100
Madras	East Coast (North)	1·2	3·1	0·66	2·95	—2·29	— 78
	Hyderabad (South)	1·3	2·2	0·47	1·14	—0·67	— 59
	Madras (Central)	1·6	3·3	0·59	2·24	—1·65	— 74
	East Coast (Central)	4·4	7·4	2·48	8·94	—6·46	— 72
	Do. (South)	9·8	8·8	11·51	8·54	+2·97	+ 35
	Madras (South)	8·0	10·3	7·51	6·11	+1·40	+ 23

Province.	Rainfall.			
	Mean actual.	Normal.	Departure from normal.	Percentage Departure from normal.
Burma	1·73	1·53	+0·20	+13
Eastern Bengal and Assam	1·08	0·67	+0·41	+61
Bengal	0·32	0·53	—0·21	—40
United Provinces of Agra and Oudh	0	0·13	—0·13	—100
Punjab	0	0·18	—0·18	—100
Rajputana	0	0·20	—0·20	—100
Central India	0	0·25	—0·25	—100
Sind	0	0·09	—0·09	—100

Province.	Rainfall.			
	Mean actual.	Normal.	Departure from normal.	Percentage departure from normal.
Gujarat	0	0·29	—0·29	—100
Konkan	0·37	0·87	—0·50	—57
Bombay Deccan and Karnatak	0·55	0·80	—0·25	—31
Central Provinces	0·24	0·47	—0·23	—49
Hyderabad	0·56	1·02	—0·46	—45
Mysore	0·63	2·56	—1·93	—75
Madras	4·16	5·24	—1·08	—21
Mean of India when the size of the above areas is taken into account.	0·82	1·04	—0·22	—21

Snowfall.

I.—North-West Frontier Province.

15. *Wano.*—Light snow fell on the 30th down to about 9,000 feet.

II.—Kashmir.

Leh.—Snow fell on the surrounding hills above 15,000 feet, but melted quickly. At the end of the month the snow line was at a level of about 18,000 feet.

III.—Punjab.

Simla Hills.—No snowfall occurred on the hills near Kilba, and all the passes with the exception of two were open to travellers.

The table below gives the reported depth of snow accumulation on the various passes at the end of the month, together with the corresponding data for 1905.

Name of pass.	Reported depth of snow accumulation at the end of November	
	1906.	1905.
Rupan	5 feet.	2 feet.
Bruin	5 „	2 „
Harang	.....	1 foot.
Shatul	5 feet.	2 feet.
Buldar	5 „	2 „
Runang	*Nil.*	1½ inches.

IV.—UNITED PROVINCES.

Almora.—In Malla Johar there was no snow and only one light fall occurred in Malla Danpur, but in Malla Darma, Chandans and Byans the snowfall of the month amounted to about four feet.

The following statement shows the reported depth of accumulation on the various passes at the end of November 1905 and November 1906.

NAME OF PASS.	REPORTED DEPTH OF SNOW ACCUMULATION AT THE END OF NOVEMBER.	
	1906.	1905.
Untadhura	27 feet.	15 feet.
Ralamdhura	22½ "	12 "
Milamdhura	18 "	9 "
Pindari peak	¼ foot.	⅙ foot.
Kaphini	¼ "	.....
Kantela peak	¼ foot.	⅙ foot.
Nuwe pass	26 feet.	22 feet.
Binkaru pass	17 "	15 "
Lipu lekh "	4 "	.....
Lampia "	5 "	.....

16. *Summary of the preceding information.*

The data available are very limited but suffice to indicate that but little snow fell in the mountain zone bordering upper India, and that at the end of the month there were no indications of an early winter. The accumulations in the Simla and Almora hills were apparently greater than in November 1905.

Crop report.

17. *Burma.*—Reaping of early wet weather paddy was completed in some districts and was in progress in others, and the plucking of cotton was nearing completion. Standing crops in parts of the province had suffered from want of rain, but the prospects of the harvests were on the whole good.

Eastern Bengal and Assam.—The plucking of cotton and the manufacture of tea were in hand. By the end of the month the tea season was practically closed, the outturn being good in Sylhet and Nowgong, middling in Kamrup and fair in Darrang. The prospects of winter rice and other standing crops were moderate.

Bengal.—Harvesting of paddy and sowing of spring crops were in progress: more rain, however, was wanted for the latter in parts of Bihar.

United Provinces.—Harvesting of autumn crops and plucking of cotton were being carried on, but the outturn of late rice in the eastern districts was poor. Spring sowings were nearly completed and prospects were favourable.

Punjab.—Harvesting of autumn crops and sowing of spring crops were in progress. The outturn of the autumn crops was good to average except that of cotton, and the condition and prospects of standing crops were good. Fodder was sufficient and cattle were generally in good condition.

North-West Frontier Province.—More rain was required for the sowing of spring crops on unirrigated lands, but the condition of the standing crops generally was good. Harvest prospects and the probable outturn of autumn crops were fair.

Jummoo and Kashmir.—The condition of the standing crops was fair and fodder sufficient, except in the Kishtwar and Ramban tehsils. Spring sowings were begun.

Rajputana.—Harvesting operations continued in some places and also sowings for spring crops. Prospects were on the whole favourable, and the condition of cattle was generally good.

Central India.—Autumn harvesting and spring sowings were in hand. Standing crops and their probable outturn were generally fair to good. Agricultural stock was in good condition, and pasturage sufficient.

Central Provinces.—Autumn harvesting and spring sowings were finished in most districts. The standing crops were in good condition, and fodder and water were sufficient.

Bombay.—More rain was needed in parts of the Deccan and Bijapur where the spring crops were withering, and slight damage was reported to have occurred in some parts from insects and blight, but otherwise the standing crops were in good condition. Harvesting and threshing of autumn crops were being carried on and spring sowings were nearing completion.

Hyderabad.—The autumn and early rice harvests continued. The standing crops were fair to good, but more rain was needed for the spring crop.

Mysore.—The standing crops were in good condition and were being harvested, and the prospects of the season were good.

Coorg.—Picking of cardamom and coffee was in progress. Water and fodder were sufficient.

Madras.—Ploughing, sowing, weeding and transplanting were in hand and harvesting continued. The standing crops were generally fair, but in some parts required more rain, while in Tanjore they had been damaged by excessive moisture. The condition of cattle was generally good.

J. H. FIELD.

Table I.—Abstract of Observations taken at 8 h., at 235 Stations in India, Burma, etc., in November, 1906.

Tab

Abstract of Observations taken at 8 h., at 2

Number of rainfall division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 h., in inches.								Temperature of Air.												
			Mean 8 h. pressure reduced to 32°.	Departure from normal.	Mean 8 h. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 h. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
	I.—Burma Coast and Bay Islands.			+ ·037								86·5	- 0·2	73·2	+ 0·5	79·8	+ 0·1	13·3					
1	Car Nicobar . .	25	29·928		29·881	29·978	20th	29·860	28th	·118	81·4	85·7		76·0		80·9		9·7	87·4	14th	72·4	27th	
	Slipper Island . .	90	29·897		29·921	29·944	17th	29·846	5th	·098	81·4	85·2		77·4		81·3		7·8	87·1	9th, 10th & 12th.	73·1	5th	
	Port Blair . .	61	29·922	+ ·039	29·914	29·960	15th	29·877	29th	·083	79·7	86·4	− 0·4	76·8	− 0·4	81·6	− 0·4	9·6	89·7	24th	74·0	17th	
	Mergui (*b*) . .	119	29·889	+ ·050	29·941	29·929	16th	29·828	4th	·111	78·2	86·8	− 0·6	71·2	+ 1·5	79·0	+ 0·5	15·6	89·9	6th, 29th & 30th.	62·3	18th	
	Tavoy . . .	19	30·002	+ ·031	29·953	30·061	17th	29·941	4th	·120	75·0	87·7	- 0·2	69·4	+ 0·9	78·6	+ 0·4	18·3	90·0	6 days.	57·8	17th	
	Moulmein . .	94	29·934	+ ·048	29·967	30·002	20th & 21st.	29·842	2nd	·160	76·3	88·5	+ 0·1	71·8	+ 0·7	80·2	+ 0·4	16·7	91·0	25th	64·4	19th	
2	Rangoon . .	36	29·986	+ ·036	29·958	30·062	21st	29·896	2nd	·166	76·3	87·8	+ 0·2	73·4	+ 1·1	80·6	+ 0·7	14·4	91·1	6th	67·8	18th	
	Bassein . . .	27?	29·986	+ ·036	29·951	30·067	20th	29·889	4th	·178	74·9	86·1	− 0·1	71·7	+ 0·2	78·9	+ 0·1	14·4	89·2	4th	66·9	14th	
	Diamond Island .	41	29·963	+ ·031	29·939	30·018	20th	29·880	4th	·138	80·7	85·2	- 0·3	76·9	+ 1·7	81·1	+ 0·7	8·3	87·4	11th	74·2	14th	
5	Akyab . .	20	29·994	+ ·024	29·957	30·071	27th	29·900	4th	·171	71·8	84·5	− 0·6	68·9*	− 1·5*	77·2*	- 1·1	14·6	86·9	5 days	65·2	12th	
3	Toungoo . .	183	29·839	+ ·036	29·967	29·921	20th	29·747	1st	·174	73·8	87·0	− 0·3	70·3	+ 0·3	78·7	0	16·7	92·3	3rd & 4th.	64·6	20th	
	II.—Burma Inland.			+ ·009								86·7	+ 0·6	66·2	+ 0·9	76·5	+ 0·7	20·5					
3	Thayetmyo . .	121	29·907	+ ·034	29·973	30·022	27th	29·788	4th	·234	75·2	89·6	+ 1·6	67·1	− 0·2	78·4	+ 0·7	22·5	93·5	4th & 5th.	57·9	14th	
4	Minbu . . .	*165*	29·850	- ·017	29·963	29·973	27th	29·717	1st	·256	74·1	88·4	− 0·2	68·6	+ 0·4	78·5	+ 0·1	19·8	94·2	2nd	58·5	13th	
	Yamethin . .	657	29·350	− ·009	29·974	29·450	27th	29·241	2nd	·209	73·3	87·1	− 1·7	68·0	+ 1·0	77·6	- 0·4	19·1	93·3	4th & 5th.	61·2	25th	
	Monywa . .	*280*	29·783		30·002	29·910	27th	29·646	2nd	·264	73·6	87·5		68·5		78·0		19·0	92·8	5th	61·6	26th	
	Mandalay . .	250	29·777	+ ·021	29·982	29·892	27th	29·649	1st	·243	74·5	89·9	+ 3·2	70·0	+ 2·8	80·0	+ 3·0	19·9	94·5	2nd & 3rd.	62·8	22nd	
	Myitkyina . .	458	29·585§		30·018§	29·699	27th	29·425	2nd	·274	68·9	82·9		61·6		72·3		21·3	88·3	5th	54·1	27th	
	Bhamo . . .	*381*	29·669	+ ·018	30·021	29·802	20th	29·505	2nd	·297	65·9	81·8	0	59·7	+ 0·5	70·8	+ 0·3	22·1	87·9	5th	51·2	23rd	
4(*a*)	Maymyo . . .	3,545	26·551		26·496	26·617	20th	26·465	1st	·182	62·2	74·0		53·5		63·8		20·5	77·4	5th	46·6	26th	
	Lashio . . .	*2,751*	27·218	− ·019	27·164	27·344	20th	27·108	1st	·236	61·3	78·9	+ 1·8	55·1	+ 0·8	67·0	+ 1·3	23·8	83·6	1st	47·0	19th	
	III.—Assam.			+ ·020								80·7	− 0·1	62·3	+ 0·5	71·5	+ 0·2	18·5					
7	Silchar . . .	104	29·943	+ ·024	30·003	30·036	22nd & 27th.	29·830	1st	·206	69·2	84·5	− 0·3	63·8	+ 0·2	74·2	− 0·1	20·7	87·5	20th	56·9	24th	
9	Sibsagar . .	333	29·755	+ ·025	30·060	29·873	20th	29·601	2nd	·272	63·7	77·6	- 0·7	60·3	+ 0·7	68·9	0	17·3	82·6	3rd	52·2	25th	
	Dhubri . . .	115	29·930	+ ·011	30·006	30·027	22nd & 27th.	29·773	1st	·254	68·0	80·4	+ 0·6	64·1	+ 0·6	72·3	+ 0·6	16·3	85·1	4th & 9th.	59·8	25th, 29th & 30th.	
	Gauhati . . .	195	29·876		30·035	29·988	27th	29·727	1st	·261	65·9	81·9		61·5		71·7		20·4	87·0	4th	53·6	30th	
	Tezpur . . .	252	29·811		30·032	29·930	20th	29·656	1st	·274	65·8	80·9		62·7		71·8		18·2	86·6	3rd	56·0	25th	
	Dibrugarh . .	353	29·704		30·033	29·826	20th	29·561	2nd	·265	63·8	79·0		61·1		70·0		17·9	83·4	3rd	52·9	25th 27th & 30th.	
	IV.—Bengal and Orissa.			+ ·027								83·2	+ 0·8	64·1	+ 0·7	73·7	+ 0·8	19·0					
6	Chittagong . .	87	29·941	+ ·025	29·980	30·020	21st	29·835	1st	·185	70·2	82·7	- 0·3	64·7	− 1·1	73·7	- 0·7	18·0	87·1	1st	59·4	30th	
	Noakhali . .	43	29·988		29·979	30·069	21st	29·860	1st	·209	72·0	82·4		64·8		73·6		17·6	84·8	2nd	59·9	28th, 29th & 30th.	
	Comilla . . .	36	30·000		29·985	30·083	21st	29·862	1st	·221	72·2	84·9		64·6		74·8		20·3	88·4	1st	59·3	25th	
	Sirajganj . .	49	30·000		30·000	30·093	27th	29·842	1st	·251	69·4	82·8		65·4		74·1		17·4	87·3	4th	60·3	25th & 26th,	
	Narayanganj . .	26	30·021	+ ·039	29·996	30·105	21st & 27th.	29·851	1st	·254	72·1	84·0	+ 0·5	67·0	+ 1·0	75·5	+ 0·8	17·0	86·5	4th	60·8	26th	
	Barisal . . .	12	30·028	+ ·038	29·986	30·122	21st	29·902	1st	·220	74·6	84·1	+ 1·3	65·9	+ 0·9	75·0	+ 1·1	18·2	87·8	1st	60·2	27th & 28th.	
	Mymensingh . .	63	29·988	+ ·027	30·003	30·081	27th	29·837	1st	·244	71·8	83·6	+ 2·1	65·6	+ 1·9	74·7	+ 2·0	18·0	86·7	4th	60·0	25th	
	Faridpur . .	46	29·997		29·994	30·087	27th	29·857	1st	·230	72·0	82·9		64·8		73·8		18·1	86·4	4th	59·0	25th	
10	Jessore (*b*) . .	33	30·012	+ ·027	29·992	30·100	27th	29·868	1st	·132	72·6	83·5	+ 0·4	64·9	+ 0·8	74·2	+ 0·6	18·6	87·0	1st & 4th.	58·7	25th	
	Calcutta (Alipore) .	21	30·029	+ ·025	29·996	30·125	27th	29·890	1st	·235	70·9	82·8	+ 1·4	65·3	+ 0·8	74·1	+ 1·1	17·5	86·4	4th	59·4	26th	
	Saugor Island . .	25	30·024	+ ·029	29·994	30·124	27th	29·893	1st	·231	73·2	83·4	+ 1·7	67·9	+ 0·8	75·7	+ 1·3	15·5	86·4	15th	62·0	4 days	

N.B.— Elevations in italics indicate barometrical determinations.
(*b*) Observations of 29 days.
* Mean of 29 days.
§ Mean of 19 days.

NOTE 1.—When a query is inserted against any reading, or in the returns of any station, the data for that
NOTE 2.—The data, from which divisional means of the figure columns Nos. 41, 43, and 45 are derived
NOTE 3.—The barometric readings are not reduced to sea-level, in the cases of hill or plateau

I.

Stations, in India, Burma, etc., in November, 1906.

Wind Direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	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 h. Mean humidity at 8 h.	Departure from normal.	Mean vapour tension at 8 h.	Departure from normal.	Cloud. Mean cloud amount at 8 h.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 30th November, 1906.	Normal rainfall for period, 1st May to 30th November.	Departure from normal of period, 1st May to 30th November, 1906.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
														83	0	·777	−·005	4·2	−0·6				4·15	3·57	−0·21					I.—Burma Coast and Bay Islands.
1	3	11	2	2	2	3	2	2	N 41° E	3·2			3·2	81		·864		8·5		8			8·69			72·10			2·82	Car Nicobar.
4	2	8	7	2	2	1	2	2	N 63° E	10·8			11·0	76		·806		6·7		4			6·65			69·54			2·77	Slipper Island
	1	4	2	10	3	3	4	3	S 30° E	6·0	7·1	−15		82	− 3	·838	−·045	5·0	−0·7	6			5·07	9·20	− 4·13	95·22	105·86	−10·64	2·29	Port Blair.
11	2	5	2	3	1	2	2	1	N 62° E	2·1	1·6	+31	1·9	75	− 3	·717	−·033	3·2	−1·1	8	5·60	+2·40	4·51	3·70	+ 0·81	158·47	155·53	+ 2·94	1·83	Mergui.
29		1							N 45° E	1·4				82	+ 1	·725	−·013	2·9	−1·1	6	3·90	+2·10	4·61	1·96	+ 2·65	188·10	203·34	−15·24	1·82	Tavoy.
18	2	3	3	1	1		1	1	N 53° E	1·8	2·4	−25	2·0	85	+ 2	·770	+·020	4·2	+0·5	6	2·50	+3·50	5·05	1·93	+ 3·12	184·78	179·79	+ 4·99	2·54	Moulmein.
3	10	12	2				2	1	N 22° E	3·0	4·4	−32	2·7	85	− 2	·776	+·008	3·8	+0·6	2	2·80	−0·80	1·55	2·43	− 0·88	86·10	94·23	− 8·13	0·86	Rangoon.
13	3	6	4	1			1	2	N 39° E	2·9	3·1	− 6		87	+ 1	·765	+·001	2·1	−1·3	6	3·80	+2·20	2·43	3·51	− 1·08	83·49	109·88	−26·39	1·03	Bassein.
	3	16	6	2				3	N 48° E	9·7	8·6	+13	9·7	75	− 3	·801	+·011	2·8	−1·3	4	7·10	−3·10	1·09	5·41	− 4·32	114·71	113·59	+ 1·12	0·28	Diamond Island.
	6	19	2	1	1			1	N 40° E	2·7	2·2	+23	2·6	92	+ 3	·727	−·018	3·0	−0·7	4	2·80	+1·20	1·05	2·77	− 1·72	175·88	186·52	−10·64	0·33	Akyab.
22	5	1						2	N 6° W	1·1	1·7	− 35	1·1	89	+ 1	·756	+·023	4·5	0	5	2·00	+3·00	4·90	1·20	+ 3·70	66·56	76·32	− 9·76	1·88	Toungoo.
														84	+1	·675	+·032	3·2	−0·3				0·90	1·15	−0·56					II.—Burma Inland.
13	5	1	2	3	4			2	N 74° E	1·2*	3·5	− 66		80	+ 2	·712	+·047	3·7	+1·1	1	2·40	−1·40	0·37	1·74	− 1·37	39·42	35·58	+ 3·84	0·37	Thayetmyo.
1	1			6	2	1	2	17	N 60° W	4·6			5·5	79	+ 3	·684	+·031	2·8	+0·2	2	1·30	+0·70	0·76	0·45	+ 0·31	33·15	30·31	+ 2·84	0·48	Minbu.
13	7	1		3	1			5	N 5° W	2·2			2·3	84	0	·705	+·030	3·6	+1·5	3	2·60	+0·40	1·50	0·97	+ 0·53	27·55	34·88	− 7·33	1·11	Yamethin.
24							1	5	N 52° W	0·6			0·6	84		·702		3·4		0	2·10	−2·10	0·14	1·01	− 0·87	28·82	27·30	+ 1·52	0·07	Monywa.
9	7	3			6	3		2	N 31° W	2·1			2·1	83	− 2	·712	+·025	1·8	−2·0	2	2·90	−0·90	0·44	1·71	− 1·27	33·97	30·69	+ 3·28	0·23	Mandalay.
2	1	11	12	3	1				N 75° E	3·7			3·8	87		·618		4·8		5			2·77			76 22			0·93	Myitkyina.
23	1	4	2						N 51° E	0·9			0·8	93	+ 3	·594	+·026	2·0	−2·2	1	2·00	−1·00	0·35	1·01	− 0·66	73·63	69·53	+ 4·10	0·35	Bhamo.
28					1	1			S 24° W	1·1				89		·511		3·0		4	4·90	−0·90	1·70	3·01	− 1·31	49·39	55·12	− 5·73	1·02	Maymyo.
18	2	5	4		1				N 58° E	2·7				92	+ 1	·505	+·022	4·3	−2·6	1			0·42	2·18	− 1·75	53·85	57·16	− 3·31	0·23	Lashio.
														91	−1	·589	+·005	3·8	−0·2				0·76	0·66	+0·11					III.—Assam.
30									None	0·3	2·1	−86	0·5	87	0	·631	+·002	3·4	−1·3	3	2·00	+1·00	1·71	1·25	+ 0·46	89·14	99·15	−10·01	0·81	Silchar.
8	2	2	1			5	5	7	N 67° W	1·5	1·7	−12	1·4	95	− 3	·568	−·008	7·4	+2·2	0	2·00	−2·00	0·09	0·93	− 0·84	82·67	77·74	+ 4·93	0·08	Sibsagar.
2		7	18	1		2			N 83° E	5·4	4·6	+10	5·8	88	0	·612	+·020	0·5	−1·4	1	0·30	+0·70	0·25	0·22	+ 0·03	109·73	85·69	+24·04	0·25	Dhubri.
18	4	2		5	1				N 80° E	1·5			1·7	93		·599		6·9		2	0·80	+1·20	0·40	0·31	+ 0·09	57·94	53·09	+ 4·85	0·22	Gauhati.
29		1							N 45° E	1·8			1·9	90		·578		2·1		3	1·20	+1·80	0·99	0·41	+ 0·58	59·71	61·11	− 1·40	0·38	Tezpur.
30									None	0			0	91		·544		2·6		2	1·50	+0·50	1·13	0·81	+ 0·32	69·68	95·00	−25·32	0·95	Dibrugarh.
														84	0	·626	+·018	1·1	−0·9				0·86	0·91	−0·05					IV.—Bengal and Orissa.
1	6	20	2	1					N 42° E	2·9	3·0	− 3	2·6	91	+ 2	·674	−·007	1·4	−2·1	3	1·80	+1·20	2·78	1·46	+1·30	106·63	87·80	+18·83	1·67	Chittagong.
19	1	8	1			1			N 45° E	0·9			1·0	86		·678		1·4		1	1·39	−0·39	2·19	1·61	+ 0·58	113·51	104·45	+ 9·06	2·07	Noakhali.
27				1	2				S 18° E	0·8†			0·6	86		·682		0·6		2	1·55	+0·45	2·59	1·19	+ 1·40	93·43	79·50	+13·93	2·45	Comilla.
29								1	N 45° W	0·6			0·6	90		·652		1·4		1	0·84	+0·16	0·44	0·55	− 0·11	67·27	55·68	+11·59	0·43	Sirajganj.
8	4	4	4	3		3		4	N 39° E	1·6	1·9	−16	1·3	85	0	·675	+·016	2·4	0	2	1·33	+0·67	1·85	1·07	+ 0·78	67·49	60·52	+ 6·97	1·55	Narayanganj.
18	3	6	1	1		1		2	N 30° E	1·1			1·0	86	+ 3	·738	+·060	0·7	−1·2	1	1·32	−0·32	1·03	1·26	− 0·23	62·63	70·21	− 7·58	1·00	Barisal.
20		5	5						N 66° E	0·8			0·7	85	− 4	·658	+·019	1·7	−0·9	1	0·90	+0·10	0·32	0·65	− 0·33	106·40	78·57	+27·83	0·25	Mymensingh.
17	9			1	1			2	N 6° W	1·2			1·0	87		·688		0·9		1	1·23	−0·23	2·79	1·03	+ 1·76	63·90	60·21	+ 3·69	2·75	Faridpur.
22	6	1							N 8° W	0·1	1·8	−94	0·1	81	− 5	·651	+·004	0·9	−1·1	2	1·10	+0·90	3·02	1·38	+ 1·64	56·39	57·11	− 0·72	2·77	Jessore.
7	5	2	1	1	1	1	3	9	N 35° W	1·9	3·0	−37		87	+ 5	·665	+·054	1·2	−0·6	2	0·96	+1·04	0·35	0·68	− 0·33	45·34	55·39	−10·05	0·23	Calcutta (Alipore).
	12	10				1	2	5	N 3° E	6·8	6·4	+ 6		88	+ 1	·718	+·030	2·4	−0·7	1	1·35	−0·35	0·21	1·71	− 1·50	42·96	68·39	−25·43	0·21	Saugor Island.

station, are not utilized in calculating the provincial departures from normal.
are incomplete.
stations, the elevations of which exceed 3,200 feet.

† Mean of 28 days.

(a) Wind variable 2.

Tab

Abstract of Observations taken at 8 h., at 2

Number of rainfall division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 h., in inches.								Temperature of air.												
			Mean 8 h. pressure reduced to 32°.	Departure from normal.	Mean 8 h. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 h. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
01	Krishnagar*	47	29·996		29·993	30·096	22nd	29·845	1st	·251	69·6	83·9		64·3		74·1		19·6	87·6	4th	56·0	25th	31·1
	Midnapore	149	29·896		29·997	30·002	27th	29·740	1st	·262	70·2	83·5		64·9		74·2		18·6	87·3	4th	58·6	25th & 26th.	28·
11	Bankura	313	29·728		30·003	29·826	27th	29·597	1st	·229	70·3	83·4		63·7		73·6		19·7	87·1	4th & 5th.	57·1	26th & 27th.	30·1
	Raniganj	334	29·722		30·025	29·825	27th	29·576	1st	·249	66·2	82·9		62·2		72·6		20·7	85·5	4th, 5th & 9th.	55·2	26th	30·3
	Burdwan	99	29·951	+·019	30·002	30·053	27th	29·802	1st	·251	70·4	83·7	+0·5	65·9	+1·6	74·8	+1·1	17·8	87·4	5th	59·8	25th & 26th.	27·6
	Naya Dumka	489	29·559		30·030	29·676	27th	29·419	1st	·257	66·9	81·3		60·4		70·9		20·9	85·9	3rd	51·0	10th	34·9
	Berhampore	67	29·980	+·017	29·993	30·083	27th	29·815	1st	·268	70·1	82·6	+0·7	65·6	+1·6	74·1	+1·2	17·0	86·3	3rd	59·2	25th, 26th & 30th.	27·1
	Rampur Boalia	70	29·973		29·994	30·068	27th	29·826	1st	·242	70·7	82·1		65·4		73·8		16·7	86·1	3rd	58·1	25th	28·0
	Malda	72	29·960		29·984	30·063	22nd	29·813	1st	·250	69·5	81·5		61·6		71·6		19·9	86·3	3rd	54·8	25th	31·5
	Bogra	75	29·962	+·016	29·991	30·057	27th	29·851	1st	·206	70·4	82·8	+0·8	64·2	+1·8	73·5	+1·3	18·6	87·2	4th	58·7	25th & 26th.	28·5
12	Dinajpur	123	29·924	+·023	30·007	30·030	22nd	29·776	1st	·254	69·0	82·8	+0·4	60·6	−0·4	71·7	0	22·2	86·8	3rd	55·4	25th	31·4
	Rangpur	123	29·933		30·015	30·029	22nd	29·787	1st	·242	69·5	82·7		62·3		72·5		20·4	86·2	4th & 9th.	57·6	25th, 26th & 29th.	28·6
	Jalpaiguri	284	29·765	+·015	30·019	29·870	7th	29·626	1st & 2nd.	·244	67·1	81·2	−0·1	61·5	+0·8	71·4	+0·4	19·7	84·4	7th & 8th.	56·6	29th	27·8
	Cooch Behar	156	29·903		30·021	30·008	27th	29·757	1st	·251	67·1	82·3		62·1		72·2		20·2	85·8	3rd	56·2	26th	29·6
17	Purnea	123	29·935	+·026	30·020	30·042	27th	29·795	2nd	·247	66·2	82·6	+0·7	58·5	−0·7	70·6	0	24·1	87·2	3rd	51·7	25th	35·5
14	Balasore	50	30·010	+·026	30·004	30·111	27th	29·852	1st	·259	68·9	84·5	+0·9	63·6	+0·6	74·1	+0·8	20·9	88·9	2nd	55·1	26th	33·8
	Angul	455	29·595		30·027	29·697	27th	29·447	1st	·250	68·4	84·7		61·3		73·0		23·4	90·6	3rd	53·6	27th	37·0
	False Point	21	30·039	+·039	30·002	30·136	27th	29·905	1st	·231	72·8	83·8	+1·4	65·7	+0·2	74·8	+0·8	18·1	89·1	14th	55·6	26th	33·5
	Cuttack	80	29·979	+·037	30·006	30·084	27th	29·824	1st	·260	69·7	85·1	0	66·4	+0·3	75·7	+0·2	18·7	90·4	2nd	59·1	26th, 27th & 28th.	31·3
	Puri	24	30·046		30·009	30·147	27th	29·909	1st	·238	73·6	85·0		69·1		77·1		15·9	89·1	5th	61·6	26th	27·5
	V.—Gangetic Plain and Chota Nagpur.			+·017†								83·9	+1·7	58·2	+0·1	71·1	+0·9	25·7					36·2
15	Hazaribagh	2,007	28·012	(+·022	30·024	28·104	27th	27·889	1st	·215	67·6	78·0	+0·7	58·6	+0·7	68·3	+0·7	19·4	82·7	14th	53·2	25th, 26th & 30th.	29·5
	Ranchi	2,128	27·900	+·034	30·038	27·989	27th	27·784	1st	·205	66·0	77·3	−0·5	59·2	+1·6	68·3	+0·6	18·1	82·6	14th	54·0	27th	28·6
	Daltonganj	*730*	29·311		30·040	29·425	27th	29·168	1st	·257	59·9	83·8		54·5		69·2		29·3	88·6	13th & 14th.	47·0	26th	41·6
	Purulia	*816*	29·219		30·016	29·328	27th	29·076	1st	·252	65·8	83·1		61·4		72·3		21·7	87·0	15th	55·1	27th	31·9
	Chaibassa	*760*	29·270	+·023	30·015	29·373	27th	29·119	1st	·254	64·3	83·6	+0·1	60·7	+0·3	72·1	+0·2	22·9	88·9	14th	53·2	26th	35·7
16	Gaya	375	29·677	+·012	30·023	29·789	27th	29·542	1st	·247	66·3	84·3	+1·1	59·9	+0·2	72·1	+0·7	24·4	88·4	4th	53·7	30th	34·7
	Dehri	351	29·697		30·018	29·810	27th	29·558	1st	·252	67·5	85·4		61·6		73·5		23·8	89·8	3rd	55·1	27th	34·7
	Patna	183	29·879	+·014	30·023	29·993	21st	29·740	1st	·253	69·9	83·8	+2·1	62·3	+1·8	73·1	+2·0	21·5	88·5	3rd	55·4	25th	33·1
	Arrah	190	29·863		30·015	29·963	21st	29·735	1st	·228	66·0	85·1		58·6		71·9		26·5	89·4	3rd	52·6	27th	36·8
	Buxar	239	29·804		30·010	29·920	27th	29·666	1st	·254	66·1	85·6		60·1		72·9		25·5	90·0	3rd	53·4	26th	36·6
17	Bhagalpur	160	29·907		30·024	30·024	27th	29·767	2nd	·257													
	Darbhanga	165	29·890	+·018	30·016	30·001	27th	29·739	2nd	·262	67·1	83·9	+2·6	60·2	−1·8	72·1	+0·4	23·7	88·1	3rd	53·8	25th	34·3
	Pusa	...	29·890			30·003	27th	29·747	2nd	·256	66·3	84·7†		59·8		72·8†		24·9	89·2	10th	53·8	26th	35·4
	Muzaffarpur	178	29·880		30·021	29·992	27th	29·738	1st	·254	69·4	83·3		59·9		71·6		23·4	87·7	3rd	55·0	5 days	32·7
	Motihari	224	29·825		30·019	29·936	27th	29·689	2nd	·247	63·4	83·9		57·9		70·9		26·0	87·9	3rd	51·7	4th	36·2
	Chapra	181	29·883		29·997	29·964	27th	29·716	1st	·248	65·8	83·7		60·1		71·9		23·6	88·3	2nd & 3rd.	54·6	6 days	33·7
18	Benares	267	29·780	+·010	30·014	29·893	27th	29·641	1st	·252	66·8	84·9	+2·8	55·3	−0·8	70·1	+1·0	29·6	90·1	4th	49·1	25th & 26th.	41·0
	Allahabad	369	29·734	+·006	30·012	29·845	27th	29·599	1st	·246	65·6	85·9	+2·8	55·7	−0·6	70·8	+1·7	30·2	91·1	5th	50·5	4 days	40·6
23	Gorakhpur	257	29·779	+·009	30·004	29·891	27th	29·642	2nd	·249	66·9	84·4	+2·8	57·6	−0·7	71·0	+1·1	26·8	89·2	2nd	53·1	26th	36·1
19	Lucknow	368	29·685	+·023	30·033	29·806	27th	29·566	2nd	·240	63·3	84·6	+1·3	54·0	+1·2	69·3	+1·3	30·6	89·0	3rd, 4th & 5th.	48·1	30th	40·9
20	Bahraich	401	29·623	−·002	30·003	29·746	22nd	29·494	2nd	·252	64·9	84	+1·9	56·6	0	70·7	+1·0	28·1	89·1	2nd & 3rd	50·5	26th	38·6

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

* Observations of 29 days.
† Mean of 20 days.

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

I—*continued.*

Stations, in India, Burma, etc., in November, 1906—continued.

Wind Direction. Number of winds from Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction	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 h. Mean humidity at 8 h.	Departure from normal	Mean vapour tension at 8 h.	Departure from normal	Cloud. Mean cloud amount at 8 h.	Departure from normal	Rainfall. Number of rainy days	Normal number of rainy days	Departure from normal	Rainfall of month	Normal rainfall of month	Departure from normal	Total rainfall from 1st May to 30th November, 1906	Normal rainfall for period, 1st May to 30th November	Departure from normal of period, 1st May to 30th November, 1906	Heaviest rainfall during month	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
20	3						1	5	N 36° W	0·3			0·3	88		·647		0·9		1	0·81	+0·19	0·17	0·74	−0·57	43·35	49·95	− 6·60	0·17	Krishnagar.
3	15	3	1			3	2	3	N 10° W	2·0			1·7	77		·569		0·8		1	1·14	−0·14	0·25	0·80	−0·55	47·06	55·97	− 8·91	0·25	Midnapore.
20	2		6				2		N 63° E	1·8			1·6	73		·513		0·5		1	0·79	+0·21	0·17	0·51	−0·34	50·61	52·10	− 1·49	0·15	Bankura.
28	1							1	N 27° W	0·6			0·5	85		·557		0·7		1	0·63	+0·37	0·18	0·54	−0·36	36·63	52·22	−15·59	0·18	Raniganj.
15	10	1	1					3	N 2° W	1·0	1·9	−47	1·0	80	+ 5	·606	+·047	0·6	−1·2	0	0·81	−0·81	0	0·79	−0·79	61·73	52·65	+ 9·08	0	Burdwan.
30									None	1·0			0·8	83		·555		0·7		1	0·50	+0·50	0·40	0·31	+0·09	42·78	55·37	−12·59	0·40	Naya Dumka.
10	4		1			5	1	9	N 55° W	0·9	1·7	−47	1·1	85	0	·636	+·031	0·7	−1·2	1	0·52	+0·48	0·40	0·59	−0·19	47·55	51·43	− 3·88	0·40	Berhampore.
22	4	1				1		2	N 11° W	1·0			1·0	83		·630		0·4		1	0·68	+0·32	3·35	0·31	+3·04	51·02	53·41	− 2·39	3·35	Rampur Boalia.
1	4	7	1		2	4	1	10	N 24° W	2·0			1·8	82		·600		0·3		1	0·39	+0·61	0·68	0·22	+0·46	43·70	50·34	− 6·64	0·68	Malda.
27	1							2	N 27° W	1·0			0·9	83	− 2	·620	+·012	0·5	−0·6	1	0·58	+0·42	0·55	0·78	−0·23	64·39	62·30	+ 2·09	0·55	Bogra.
19	3	6	2						N 41° E	1·1			1·0	83	− 1	·590	+·014	0·6	−0·6	1	0·19	+0·81	0·40	0·03	+0·36	66·78	67·07	− 0·29	0·40	Dinajpur.
14		8	5			2	1		N 63° E	1·0			0·9	82		·597		1·0		0	0·13	−0·13	0·05	0·24	−0·19	72·84	78·19	− 5·85	0·05	Rangpur.
15	4	2	2	2			1	4	N 8° E	1·2			1·3	84	0	·564	+·002	0·4	−0·8	0	0·32	−0·32	0	0·13	−0·13	122·62	117·13	+ 5·49	0	Jalpaiguri.
20		1	9						N 84° E	1·0			1·1	83		·559		1·3		0	0·37	−0·37	0	0·14	−0·14	183·19	120·16	+63·03	0	Cooch Behar.
17		5	1	1		5			E	1·5	1·2	+25	1·3	89	0	·570	+·015	0	−1·0	0	0·16	−0·16	0	0·08	−0·08	58·34	62·09	− 3·75	0	Purnea.
3	8						2	17	N 35° W	2·1			1·6	77	− 7	·554	−·046	1·7	−1·1	1	1·48	−0·48	0·51	1·22	−0·71	48·17	59·35	−11·18	0·46	Balasore.
1		1				1	9	18	N 59° W	3·8			3·4	79		·563		1·1		2			0·47			40·43			0·47	Angul.
5	13						4	8	N 28° W	3·0	6·5	−54	3·2	82	− 2	·670	+·002	2·5	−0·8	0	2·45	−2·45	0·16	2·92	−2·76	36·96	61·71	−24·75	0·09	False Point.
21	1					3	4	1	S 87° W	1·2	1·7	−29		83	+ 7	·611	+·030	2·2	−0·2	1	1·71	−0·71	0·90	1·67	−0·77	43·73	56·60	−12·87	0·90	Cuttack.
1	24	1				1	1	2	N 5° W	8·6			8·1	80		·675		0·5		1	2·45	−1·45	0·31	2·77	−2·46	28·05	54·79	−16·74	0·29	Puri.
																														V.—Gangetic Plain and Chota Nagpur.
														75	−1	·473	−·006	0·7	−0·7				0·10	0·29	−0·19					
9	2		1	1	5	4	4	4	S 63° W	4·5	4·3	+ 5	4·1	61	− 2	·451	+·013	0·7	−1·4	1	0·65	−0·35	0·13	0·30	−0·17	34·73	50·77	−16·04	0·13	Hazaribagh.
6	2	1	1			1	8	11	N 56° W	4·6			5·4	64	− 2	·412	−·013	1·6	+0·1	0	0·72	−0·72	0·02	0·39	−0·37	53·13	51·84	+ 1·29	0·02	Ranchi.
23		1	4	1	1				S 79° E	1·9			1·5	88		·463		0·7		0	0·68	−0·68	0·01	0·25	−0·31	48·12	42·05	+ 6·07	0·02	Daltonganj.
4	1					1	19	5	N 80° W	2·6			2·2	78		·506		1·5		1	0·74	+0·26	0·26	0·24	+0·02	47·87	49·07	− 1·20	0·26	Purulia.
29							1		W	P			P	83	+ 5	·508	−·013	1·5	−0·4	2	0·81	+1·19	1·77	0·77	+1·00	41·98	47·38	− 5·40	1·20	Chaibassa.
21				1	3	1	4		S 45° W	4·0	1·2	+233	3·1	72	+ 1	·472	−·063	1·1	−0·5	0	0·48	−0·48	0	0·47	−0·47	44·82	44·91	− 0·09	0	Gaya.
2		2			11	14	1		S 31° W	3·0			2·6	70		·480		1·1		0	0·44	−0·44	0	0·28	−0·28	32·65	41·14	− 8·49	0	Dehri.
10	1	3	1		1	4	9	1	W	1·5	1·5	0	1·7	69	− 2	·519	+·012	0·6	−0·7	0	0·32	−0·32	0	0·22	−0·22	37·10	46·12	− 9·02	0	Patna.
23				2		4	1		S 27° W	0·6			0·6	75		·484		0·3		0	0·42	−0·42	0	0·21	−0·21	37·53	43·48	− 5·95	0	Arrah.
9		1	1	1	5	7	5	1	S 42° W	3·6			3·4	68		·440		0·9		0	0·39	−0·39	0	0·40	−0·40	31·50	39·62	− 8·12	0	Buxar.
21		1			2	2	3	1	S 63° W	0·9			0·8					0·4		0	0·23	−0·23	0	0·17	−0·17	34·05	46·74	−12·69	0	Bhagalpur.
27		1	1				1		N 45° E	0·3	1·8	−83	0·3	84	+ 2	·561	+·009	0	−0·7	0	0·19	−0·19	0	0·09	−0·09	54·62	48·71	+ 5·91	0	Darbhanga.
18	2		5	1		1	3		N 63° E					81		·525		0·3		0			0			27·90			0	Pusa.
28				1				1	None	0·4				79		·566		0		0	0·27	−0·37	0	0·12	−0·12	55·30	43·40	+11·90	0	Muzaffarpur.
25	1	1	2				1		N 45° E	1·4			1·3	90		·525		2·7		0	0·18	−0·18	0	0·12	−0·12	67·01	49·39	+17·62	0	Motihari.
24	3				3				None	1·3			1·1	82		·518		0		0	0·39	−0·39	0	0·26	−0·25	39·01	38·87	+ 0·14	0	Chapra.
24						6			S 45° W	0·7	2·1	−67	0·8	68	−12	·450	−·029	0·3	−1·1	0	0·30	−0·30	0	0·31	−0·31	38·20	39·27	− 1·07	0	Benares.
13		1				1	13	2	N 84° W	2·0	2·0	0	1·7	66	− 6	·422	−·015	0·5	−0·8	0	0·30	−0·30	0	0·25	−0·25	26·99	38·87	−11·88	0	Allahabad.
27							2	1	N 75° W	0·2	0·9	−78		88	+12	·590	+·091	0·2	−0·7	0	0·10	−0·10	0	0·15	−0·15	42·45	49·84	− 7·39	0	Gorakhpur.
30									None	0·4	1·4	−71	0·4	69	− 7	·397	−·047	0	−1·0	0	0·20	−0·20	0	0·11	−0·11	46·50	36·74	+ 9·76	0	Lucknow.
24			1	1			1	3	N 45° W	1·5			1·4	75	− 2	·466	−·016	0	−0·6	0	0·30	−0·30	0	0·40	−0·40	38·79	45·67	− 6·88	0	Bahraich.

or in the returns of any station, the data for that station, are not utilized in calculating the provincial departures from normal.
figure columns Nos. 41, 43 and 45 are derived, are incomplete.

Tabl

Abstract of Observations taken at 8 h., at 23

Number of rainfall division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 h. in inches.								Temperature of air.												
			Mean 8 h. pressure reduced to 32°.	Departure from normal.	Mean 8 h. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 h. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
21	Cawnpore	416	29·631	+·019	30·030	29·751	21st	29·515	1st	·236	62·6	85·5	+1·4	53·8	−1·2	69·7	+0·1	31·7	90·4	11th	49·1	25th, 28th & 29th	41
	Mainpuri	516	29·539	+·033	30·045	29·655	21st	29·416	2nd	·229	60·1	86·9	+2·7	53·9	−0·3	70·4	+1·2	33·0	91·3	5th & 13th	50·3	5 days	41
	VI.—Upper Sub Himalayas.			+·019								83·2	+2·2	51·9	+1·7	67·6	+2·0	31·2					41·8
24	Bareilly	568	29·457	+·013	30·022	29·579	21st	29·323	2nd	·256	60·1	83·0	+1·9	53·6	+0·8	68·3	+1·4	29·4	87·8	1st	46·5	26th	41
	Dehra Dun	2,233	27·783	+·018	30·064	27·918	27th	27·664	4th	·244	57·9	77·9	+2·9	52·4	+0·6	65·2	+1·8	25·5	82·0	2nd	49·0	26th	33
	Roorkee	890	29·130	+·024	30·054	29·255	21st	29·005	4th	·250	56·4	80·9	+0·4	50·2	+0·4	65·6	+0·4	30·7	86·0	2nd	44·7	25th	41
22	Meerut	738	29·293	+·022	30·041	29·420	21st	29·177	4th	·243	58·5	83·7	+2·4	51·5	+0·9	67·6	+1·7	32·2	88·1	1st & 11th.	46·8	26th & 28th.	41
26	Delhi	718	29·328	+·030	30·047	29·454	27th	29·215	1st	·239	63·3	84·4	+1·5	58·1	+1·9	71·3	+1·7	26·3	90·7	11th	51·7	24th & 27th.	39
28	Lahore	702	29·324	+·010	30·043	29·446	27th	29·218	2nd	·228	57·0	86·4	+2·8	50·6	+3·8	68·5	+3·3	35·8	92·4	1st & 3rd.	46·1	13th	46
27	Sirsa	662	29·381	+·024	30·046	29·512	27th	29·270	10th	·242	61·5	87·1	+2·2	53·7	+4·2	70·4	+3·2	33·4	92·3	7th	49·1	26th	43
	Patiala	*818*	29·212		30·013	29·370	27th	29·096	2nd & 4th.	·274	59·9	83·3		51·9		67·6		31·4	87·5	3rd	46·8	28th	40
29	Ludhiana	812	29·218	+·024	30·043	29·347	27th	29·083	9th	·264	61·0	83·6	+3·0	53·7	+2·8	68·7	+2·9	29·9	88·5	1st & 3rd	48·6	27th & 28th,	39
	Sialkot	830	29·202	+·026	30·052	29·324	27th	29·103	2nd & 10th.	·221	58·9	83·7	+2·8	50·3	+0·4	67·0	+1·6	33·4	90·1	1st	44·6	26th	45
	Ambala	892	29·120	+·007	30·031	29·251	27th	28·894	4th	·257	58·7	83·0	+0·7	50·6	−0·3	66·8	+0·2	32·4	88·5	14th	44·0	28th	44
	Rawalpindi	1,674	28·352	+·011	30·102	28·468	27th	28·255	2nd	·213	53·1	81·1	+3·9	46·6	+3·3	63·9	+3·6	34·5	85·9	2nd & 3rd	40·0	25th	45
	VII.—Indus Valley and North-West Rajputana.			+·013								88·6	+3·8	57·2	+4·1	72·9	+3·9	31·4					42
32	Peshawar	1,110	28·944	+·002	30·107	29·065	27th	28·834	2nd	·231	54·9	79·1	+2·0	49·0	+3·9	64·1	+3·9	30·1	84·2	5th	42·9	26th	41
	D. I. Khan	590	29·458	−·007	30·034	29·584	27th	29·347	2nd	·237	58·6	85·8	+3·7	51·6	+4·6	68·7	+4·2	34·2	91·3	8th	48·1	12th	43
31	Khushab	612	29·443	P	30·063*	29·572	27th	29·337	9th	·235	60·1	86·1	+3·3	52·6*	+2·9	69·4*	+3·1	33·5*	90·9	4 days.	46·0	13th	44
	Montgomery	558	29·488	+·014	30·042	29·619	21st	29·373	10th	·246	64·6	87·7	+3·5	54·0	+3·1	70·9	+3·3	33·7	93·8	2nd	49·5	25th & 28th.	44
	Multan	420	29·618	−·007	30·025	29·752	27th	29·498	9th	·254	64·8	88·2	+3·8	57·1	+4·7	72·7	+4·3	31·1	94·3	1st	51·4	28th	42
47	Jacobabad	186	29·879	+·018	30·038*	30·013	21st	29·770	1st	·243	63·2	91·8	+5·0	56·9	+6·1	74·4	+5·6	34·9	96·1	7th, 8th & 12th.	51·5	24th	44
	Hyderabad	96	29·959	+ 011	30·012†	30·077	22nd	29·877	1st	·200	71·5	93·6	+5·6	61·4	+4·4	79·0	+5·0	29·2	99·1	8th	56·5	23rd	42
	Kurrachee	30	30·041	+·017	30·023	30·166	27th	29·954	2nd	·212	72·3	90·0	+2·6	66·0	+4·2	78·0	+3·4	24·0	95·4	1st	59·2	25th	36
51	Bikaner	*771*	29·265	+·019	30·035	29·388	21st & 27th.	29·163	10th	225	67·5	88·7	+4·0	62·3	+2·9	75·5	+3·5	26·4	93·7	7th	55·6	28th	38
	Pachpadra	*380*	29·690	+·054	30·147	29·791	21st	29·598	†	·196	70·5	92·3	P	51·9	+0·8	73·6	P	37·4	97·1	8th	49·0	29th	48
	Jodhpur	782	29·277		30·068	29·386	27th	29·189	1st	·197	69·5	91·0		60·3		75·7		30·7	96·1	8th & 9th	53·7	29th	42
	VIII—East Rajputana, Central India and Gujarat.			+·030								89·7	+2·9	60·4	+1·3	75·1	+2·2	29·3					39
50	Jaipur	1,431	28·627	+·026	30·071	28·740	27th	28·538	1st	·202	67·3	89·2	+3·4	57·1	+1·9	73·2	+2·7	32·1	94·2	8th	51·0	25th & 29th	43
	Kotah	819?	29·212		30·066	29·327	27th	29·122	1st	·205	68·9	89·0		59·9		74·5		29·1	93·0	5th, 9th & 11th,	53·5	29th	39
	Sambhar	1,254	28·798	+·030	30·073	28·906	27th	28·707	1st	·199	63·1	88·4	+3·9	55·3	+2·4	71·9	+3·2	33·1	92·4	5th 7th & 8th.	48·9	29th	43
	Ajmer	1,611	28·456	+·027	30·096	28·563	27th	28·378	2nd	·185	63·1	88·1	+4·2	58·1	P	73·1	P	30·0	92·4	7th & 8th	52·8	29th & 30th.	39
	Udaipur	1,925	28·141		30·088	28·236	27th	28·050	1	·186	64·6	86·8		53·5		70·1		33·3	90·5	5 days	48·2	29th	42
46	Bhuj	395	29·668	+·040	30·026	29·770	27th	29·584	1st	·186	71·8	92·6	+3·4	64·8	+2·1	78·7	+2·8	27·8	98·1	10th	60·5	21st & 29th.	37
	Jamnagar	61	30·001		30·007	30·094	27th	29·916	1st	·178	72·2	91·0		63·6		77·3		27·4	95·6	9th	57·3	29th	38
	Rajkot	429	29·623	+·038	30·014	29·728	27th	29·546	1st	·182	74·5	92·8	+2·4	60·8	+1·5	76·8	+2·0	32·0	96·9	9th & 10th	55·0	28th	41
	Verava	*18*	30·025	+·032	29·985	30·123	28th	29·947	1st	·176	75·9	91·1	+2·8	67·6	−0·1	79·4	+1·4	23·5	96·1	17th	63·3	29th	32
	Dwarka	37?	30·030		30·013	30·138	27th	29·958	2nd	·180	77·8	86·3		69·1		77·7		17·2	94·8	9th	65·2	22nd & 28th.	29
	Bhavnagar Para	55	30·008	P	30·007	30·106	28th	29·908	1st	·198	72·7	93·5	+3·5	62·8	−1·4	78·1	+1·1	30·7	97·6	5th	56·5	28th & 29th.	41
49	Nowgong	757	29·295	+·018	30·050	29·408	27th	29·184	1st	·224	61·9	82·9	+0·6	53·8	+0·6	68·4	+0·6	29·1	88·0	13th	48·5	25th & 30th.	39
	Indore	1,823	28·236	+·047	30·059	28·323	27th	28·135	1st	·188	69·8	85·9	+2·7	55·9	+1·8	70·9	+2·3	30·0	89·1	6 days	49·6	28th & 29th.	39
	Neemuch	1,644	28·432	+·028	30·065	28·534	27th	28·333	1st	·201	68·5	86·7	+2·2	55·5	+0·6	71·1	+1·4	31·2	91·5	14th	49·8	26th	41
45	Surat	39	30·004	+·028	29·989	30·102	28th	29·804	1st	·198	73·8	94·3	+3·7	66·0	+3·2	80·2	+3·5	28·3	97·2	4th & 5th	60·0	30th	37

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

* Mean of 29 days.
† " " 26 "

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

I—*continued.*

Stations, in India, Burma, etc., in November, 1906 —continued.

Wind Direction. Number of winds from Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	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 h. Mean humidity at 8h.	Departure from normal.	Mean vapour tension at 8 h.	Departure from normal.	Cloud. Mean cloud amount at 8 h.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 30th November, 1906.	Normal rainfall for period, 1st May to 30th November.	Departure from normal of period, 1st May to 30th November.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
27							3		W	0·3				68	+ 2	·382	—·029	0·1	—0·8	0	0·10	—0·10	0	0 44	—0·44	31·05	34·32	— 3·27	0	Cawnpore.
23						1	4	2	N 83° W	1·0			1·0	66	— 3	·341	—·033	0·3	—1·1	0	0·10	—0·10	0	0·31	—0·31	22·52	29 21	— 6·69	0	Mainpuri.
														70	+3	·350	+·027	0·4	—1·1				0	0 19	0·19					VI.—Upper Sub-Himalayas.
29							1		W	0·7	1·7	—59	0·7	78	+ 1	·410	+·001	0	—0·8	0	0·27	- 0·27	0	0·18	—0·18	37·74	44 81	—7·07	0	Bareilly.
29					1				S	1·1	1·7	—35		73	+ 2	·356	+·018	0·2	—1·7	0	0·60	—0·60	0	0·40	—0 10	73·47	82·27	—8 80	0	Dehra Dun.
28								2	N 45° W	1·1	1·1	0	1·1	86	+ 9	·390	+·032	0·1	—1·0	0	0·50	—0·50	0	0·28	—0·28	49 83	38·53	+11·30	0	Roorkee.
27						1	2		S 75° W	0·3	1·3	—77	0·3	71	+ 1	·348	+·022	0·2	—0·7	0	0·20	—0·20	0	0·13	—0·13	37·73	28 52	+9·21	0	Meerut.
5	1		1	1		4	15	3	S 89° W	2·3	2·3	0	2·5	59	+ 7	·339	+·052	0·2	—1·2	0	0·30	—0·30	0	0·11	—0·11	28·13	24·91	+3·22	0	Delhi.
23				2	2		1	2	S 27° W	1·0	1·4	—29	1·1	78	+11	·366	+·053	0·6	—0·9	0	0·20	—0·20	0	0·07	—0·07	15·49	16·43	—0·94	0	Lahore.
30									None	0·4	2·0	- 80	0 3	60	+ 1	·324	+·036	0·4	- 1·4	0	0·10	—0·10	0	0·01	—0·01	9·34	12 37	—3·03	0	Sirsa.
9	3		3	6		1	3	5	N	2·8			2·8	69		·357		0·2		0			0			30·36			0	Patiala.
13	4	1		2			2	8	N 32° W	1·6	0·8	+100	1·4	62	— 2	·334	+·024	0·3	—1·8	0	0·20	—0·20	0	0·06	—0·06	17·89	23 25	—5·36	0	Ludhiana.
18	2	2	7	1					N 74° E	0·7	1·0	—30	0·6	68	+ 3	·340	+·036	0·4	—1·1	0	0·30	—0·30	0	0 09	—0·09	28·23	24 98	+3·25	0	Sialkot.
25			2	1				2	N 60° E	1·7			1·5	75	0	·370	+·015	0·2	—0·9	0	0·30	—0·30	0	0·46	—0·46	30·85	27 43	+3 42	0	Ambala.
26	3							1	N 11° W	2·0	1·1	+82	1·3	66	+ 1	·266	+·008	1·6	—0·5	0	0·80	—0·80	0	0·29	—0·29	39·13	24·67	+14·46	0	Rawalpindi.
														55	+2	·347	+·052	1·0	—0·6				0	0·13	—0·13					VII.—Indus Valley and North-West Rajputana.
30									None	0	2·1	-100	0	67	+ 2	·295	+·034	1·9	- 0·8	0	0·90	—0·90	0	0·47	—0·47	3·61	6·15	— 2·54	0	Peshawar.
26		3						1	N 27° E	0·2	0·7	—71	0·2	65	0	·321	+·042	1·5	0	0	0	0	0	0·18	—0·18	10·07	5·50	+ 4·57	0	D. I. Khan.
11		10	3	1	1	2	1	1	N 58° E	3·6			3 5	54	+ 6	·280	+·054	0·7	-0·6	0	0·30	—0·30	0	0·02	—0·02	10·40	10 32	+ 0 08	0	Khushab.
10			9	11	5				S 42° E	3·1			3·1	60	+ 7	·361	+·078	0·6	- 1·2	0	0 20	—0·20	0	0·06	—0·06	10·81	7·84	+ 2·97	0	Montgomery.
24		2		3	1				S 63° E	1·0	1·5	- 33	0·9	57	— 5	·346	+·022	0·4	-0·8	0	0·10	—0·10	0	0·07	—0·07	1·59	5·74	— 4·15	0	Multan.
16	2	2	1		4	3		2	N 72° E	1·0	1·6	—38	1·3	60	+ 6	·353	+·056	0·3	-1·4	0	0·20	-0·20	0	0·11	—0·11	1·25	2·78	— 1·53	0	Jacobabad.
1	11			2	6	7		3	N 82° W	4·9	6·1	—20	4·4	57†	+ 7	·443†	+·103	1·4	—0·3	0	0·20	- 0·20	0	0·12	—0·12	4·50	6·19	— 1·69	0	Hyderabad.
3	7	13					1	6	N 11° E	6·2	7·9	—22	5·3	71	+10	·571	+·123	2·8	+1·5	0	0·30	- 0·30	0	0·07	- 0·07	4·26	6·72	- 2·46	0	Kurrachee.
6				9	9	4	2		S 5° E		2·4			53	+ 5	·354	+·057	1·0	—0·5	0	0·10	—0·10	0	0·05	-0·05	7·76	10·17	— 2·41	0	Bikaner.
5	2	7	10	3	1	1	1		N 78° E	3·8	2·1	+81	3·6	34	— 19	·257	—·052	0·2	—1·5	0	0·30	—0·30	0	0·08	—0·08	7·85	12·57	— 4·72	0	Pachpadra.
8	7	5	5				2	3	N 19° E	2·9			2·5	31		·228		0·5		0	0·20	—0·20	0	0·16	—0·16	8·97	12·59	— 3·62	0	Jodhpur.
														54	— 3	·404	+·001	0·4	- 0·9				0	0·24	—0·24					VIII.—East Rajputana, Central India and Gujarat.
17	5	3		1				4	N	2·8	3·0	- 6		44	—10	·299	·031	0·1	- 1·5	0	0·20	—0·20	0	0·20	- 0·20	11·33	24·68	—13·35	0	Jaipur.
26						1	2	1	W	2·3			1·8	47		·315		0·9		0	0 30	—0·30	0	0·03	—0·03	35·79	29·14	+6·65	0	Kotah.
28						1	1		N 66° W	2·6	3·4	— 24		54	+ 1	·314	+·029	0	—1·3	0	0·20	—0·20	0	0 18	—0·18	13·35	19·45	—6·10	0	Sambhar.
17		8		1		2		2	N 36° E	2·6	1·4	+86	2·3	55	—10?	·318	—·011	0·1	—1·2	0	0·40	—0·40	0	0·20	—0·20	17·61	20·58	—2·97	0	Ajmer.
29							1		N 45° W	2·4			2·1	58		·355		0		0	0·50	—0·50	0			25·04			0	Udalpur.
5	2	1		3		6	1	12	N 66° W	6·3	4·7	+34	5·3	65	+ 6	·563	+·111	1·2	+0·2	0	0·30	—0·36	0	0·12	—0·12	16·42	14·11	+2·31	0	Bhuj.
21				2	6	1			S 1° E	5·8			5·7	60		·506		0		0			0			23·31			0	Jamnagar.
12	6	6	4					2	N 31° E	2·8	4·9	-43	2·8	50	— 5	·419	—·018	0·1	—0·9	0	0·50	—0·50	0	0·33	—0·33	25·66	27·95	—2·29	0	Rajkot.
	14	14	1					1	N 23° E	7·1	5·0	+42	7·1	52	— 3	·460	—·018	0·3	—1·3	0	0·30	—0·30	0	0·59	—0·59	21·74	18·14	+3·60	0	Veraval.
1	11	7	1				1	9	N 4° W	9·4				76		·733		1·0		0			0			20·74			0	Dwarka.
3	5	1				1	3	17	N 42° W	4·0			3·4	44	P	·352	P	1·1	—0·1	0	0·40	—0·40	0	0·47	—0·47	19·74	19·45	+0·28	0	Bhavnagar Para.
10	1			6	8	5			S 45° W	1·0	1·0	0	1·0	70	0?	·388	—·012	0·6	—0·8	0	0·70	—0·70	0	0·27	—0·27	45·77	42·95	+2·82	0	Nowgong.
26		1	3						N 79° E	1·5	2·0	—25	1·2	53	— 4	·396	+·016	0·8	—0·3	0	0·50	—0·50	0	0·35	—0·35	46 95	32 96	+13·99	0	Indore.
10	8	5	3	1				3	N 21° E	4·1	7·5	—45	3·4	38	— 9	·267	—·051	0·5	—0·4	0	0·50	—0·50	0	0·19	—0·19	26·25	29·29	—3·04	0	Neemuch.
6	6	5	10	2	1				N 65° E	3·7	5·9	—37	3·5	63	— 1	·537	+·029	0·3	—1·0	0	0·40	—0·40	0	0·16	—0·16	29·69	43·89	—14·20	0	Surat.

In the returns of any station, the data for that station, are not utilized in calculating the provincial departures from normal, columns Nos. 41, 43, and 45 are derived, are incomplete.

† Mean of 26 days.

Ta

Abstract of Observations taken at 8 h., at

Number of rainfall division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 h., in inches.								Temperature of air.										
			Mean 8 h. pressure reduced to 32°.	Departure from normal.	Mean 8 h. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 h. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
45	Ahmedabad	163	29·896	+·031	30·013	30·001	27th	29·798	1st	·203	74·4	94·6	+3·2	65·9	+0·2	80·3	+1·7	28·7	97·6	6 days.	61·2	
	Deesa	466	29·586	+·024	30·018	29·692	27th	29·488	1st	·204	70·5	95·9	+4·4	56·9	—0·8	76·4	+1·8	39·0	99·8	9th	52·4	27th 30th
22	Agra	556	29·502	+·019	30·047	29·627	21st	29·393	2nd	·234	64·2	86·1	+1·7	59·2	+3·3	72·7	+2·5	26·9	91·0	5th & 11th	54·9	25th &
21	Jhansi	858	29·212	+·035	30·059	29·325	27th	29·115	1st	·208	69·9	88·5	+3·2	61·9	+3·3	75·2	+3·3	26·6	93·2	13th	57·2	8 29th
	IX.—Deccan.			+·030								86·1	+1·6	60·3	+0·8	73·3	+1·2	25·8				
38	Belgaum	2,539	27·479	+·040	29·983	27·532	28th	27·413	1st	·119	70·8	82·6	+0·5	61·5	+0·4	72·1	+0·5	21·1	85·3	19th	54·9	29th
	Sholapur	1,590	28·442	+·036	30·012	28·517	27th	28·333	1st	·184	73·2	89·4	+1·9	63·4	+1·1	76·4	+1·5	26·0	93·2	5th	55·1	28th
	Poona	1,816	28·199	+·036	30·034	28·292	27th	28·093	1st	·199	70·4	88·5	+2·2	59·5	+0·2	74·0	+1·2	29·0	93·5	5th	49·3	30th
	Bijapur	*1,948*	28·085	+·031	30·009	28·176	27th	27·986	1st	·190	71·9	86·8	+1·2	62·3	+1·3	74·6	+1·3	24·5	92·2	5th & 6th.	54·2	29th
40	Malegaon	1,430	28·609	+·023	30·033	28·696	27th.	28·497	1st	·199	69·6	90·4	+2·3	58·7	+1·6	74·7	+2·0	31·7	95·4	6th	59·2	28h, 29th
	Ahmednagar	2,154	27·904	+·038	30·041	27·991	27th	27·781	2nd	·210	71·4	88·1	+2·8	60·1	+3·9	74·1	+3·4	28·0	92·4	5th	48·1	& 30th. 29th
41	Akola	930	29·120	+·030	30·034	29·215	27th	28·981	1st	·239	69·6	89·7	+2·7	58·6	+1·2	74·2	+2·0	31·1	93·8	5th	49·9	27th
	Amraoti	1,215	28·833	+·034	30·030	28·924	27th	28·693	1st	·231	73·0	88·6	+2·3	63·5	+1·9	76·1	+2·1	25·1	92·2	5th, 6th & 7th.	57·8	26th & 27th
42	Khandwa	1,044	28·999	+·024	30·039	29·090	27th	28·872	1st	·218	67·4	89·6	+2·8	56·8	+0·6	73·2	+1·7	32·8	93·7	5th	50·1	16th, 28th
	Hoshangabad	1,006	29·053	+·024	30·063	29·152	27th	28·917	1st	·235	64·6	85·1	+0·8	56·2	—1·1	70·7	—0·2	28·9	88·0	4 days.	49·9	& 30th 26th &
	Nagpur	1,017	29·034	+·038	30·042	29·122	27th	28·897	1st	·225	68·5	86·5	+1·5	59·4	—0·9	73·0	+0·3	27·1	90·6	14th	51·1	27th, 30th
43	Chanda	*634*	29·411	+·029	30·017	29·511	27th	29·261	1st	·250	66·5	85·8	+0·6	58·8	—0·5	72·3	+0·1	27·0	90·0	3rd & 4th,	50·1	28th, 29th
	Seoni	2,033	28·012	+·029	30·053	28·096	27th	27·888	1st	·208	66·5	83·5	+2·2	57·7	+2·3	70·6	+2·3	25·8	88·3	14th	50·0	& 30th. 26th
	Jubbulpore	1,327	28·721	+·030	30·067	28·828	27th	28·585	1st	·243	61·4	83·8	+1·9	52·9	—0·2	68·4	+0·9	30·9	88·9	12th	45·3	30th
	Saugor	1,807	28·239	+·030	30·045	28·335	27th	28·141	1st	·194	70·4	83·5	+1·5	60·6	+3·4	72·1	+2·5	22·9	88·1	9th & 12th.	55·5	25th
49	Sutna	1,040	28·995	+·013	30·045	29·102	27th	28·875	1st	·227	64·0	83·7	+2·6	55·3	+1·4	69·5	+2·0	28·4	88·9	13th	49·3	29th
44	Raipur	970	29·071	+·027	30·031	29·168	27th	28·928	1st	·240	66·0	82·4	—0·8	59·6	—1·1	71·1	—1·0	22·8	88·6	14th	52·9	29th
	Pendra	2,123?	27·998		30·046	28·084	27th	27·875	1st	·209	64·9	80·6		57·0		68·8		23·6	85·8	13th & 14th,	50·1	30th
	Sambalpur	486	29·584	+·036	30·038	29·689	27th	29·406	1st	·283	67·7	83·7	—0·1	61·5	—0·8	72·6	—0·5	22·2	87·1	3rd	54·7	27th, 28th
39	Aurangabad	1,905	28·135		30·095	28·208	28th	28·013	1st	·195	75·1	88·2		59·6		73·8		28·6	94·2	5th	50·2	& 29th. 29th &
	Indur	1,260	28·762		30·024	28·861	29th	28·622	1st	·239	71·9	86·4		61·7		74·1		24·7	91·8	4th	53·5	30th. 28th
	Bidar	*2,165*	27·894		30·027	27·973	27th	27·741	1st	·232	74·2	83·7		65·2		74·5		18·5	88·6	4th	55·9	26th
53	Gulbarga	1,503	28·511	?	29·994	28·582	27th	28·415	2nd	·167	71·8	87·5	+0·5	63·3	+0·7	75·4	+0·6	24·2	91·7	5th	56·9	10th &
	Raichur	*1,311*	28·709	+·027	29·989	28·776	28th	28·613	1st	·163	75·4	87·5	+1·4	67·7	+0·4	77·6	+0·9	19·8	93·1	4th & 5th.	62·2	27th, 27th
	Hyderabad (Dn.)	1,690	28·341	+·024	30·018	28·410	27th	28·219	1st	·191	70·1	86·1	+2·3	52·5	+0·4	74·3	+1·4	23·6	91·3	4th	56·3	28th
	Hanumkonda	571	29·160		29·999	29·230	27th	29·028	1st	·202	73·7	87·4		65·2		76·3		22·2	93·0	4th	59·2	27th & 30th.
	X.—West Coast.			+·034								87·9	+0·6	73·5	+1·0	80·7	+0·8	14·4				
37	Bombay	37	29·691	+·029	29·968	30·076	27th	29·913	1st	·163	77·9	89·4	+2·5	75·7	+2·4	82·6	+2·5	13·7	92·0	24th	72·0	30th
	Ratnagiri	110	29·902	+·044	29·952	29·972	27th	29·843	1st	·129	78·2	92·2	+1·7	71·9	+1·9	82·1	+1·8	20·3	97·3	16th	64·4	29th
	Mormugao	*60*	29·959	+·034	29·955	30·021	28th	29·906	1st	·115	75·8	86·7	—0·3	73·3	+0·5	80·0	+0·1	13·4	89·0	22nd, 23rd & 26th.	68·3	30th
	Goa	199	29·819	+·036	29·955	29·892	27th	29·744	1st	·148	77·0	87·7	+0·3	73·9	+1·7	80·8	+1·0	13·8	90·0	5 days.	70·0	14th, 29th
	Karwar	44	29·956	+·030	29·934	30·019	27th	29·916	1st	·103	72·2	89·1	+1·7	69·4	0	79·3	+0·9	19·7	91·8	23rd & 27th.	62·5	& 30th. 16th
33	Cochin	10	29·975	+·026	29·913	30·039	30th	29·926	12th	·113	79·1	88·3	+0·8	74·8	+0·2	81·4	+0·5	13·7	91·8	23rd & 25th.	72·7	8th
	Calicut	27	29·972	+·038	29·928	30·021	5th	29·927	20th	·094	78·9	87·1	—0·3	75·0	+1·9	81·1	+0·8	12·1	90·8	30th	72·2	19th &
	Mangalore	65	29·940	+·038	29·938	29·989	28th	29·907	11th	·082	79·8	88·2	—0·1	73·8	+1·0	81·0	+0·5	14·4	92·2	23rd, 25th & 26th.	70·0	20th. 21st
	Trivandrum	198	29·789	+·034	29·920	29·848	30th	29·740	19th	·108	77·1	82·1	—0·5	73·8	—0·6	78·0	—0·6	8·3	84·0	1st & 5th.	72·0	20th

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

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

Note 2.—The data, from which divisional means of the figure columns No

I—*continued.*

Stations, in India, Burma, etc., in November, 1906—continued.

Wind Direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	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 h. Mean humidity at 8 h.	Departure from normal.	Mean vapour tension at 8 h.	Departure from normal.	Cloud. Mean cloud amount at 8 h.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st January to 30th November, 1906.	Normal rainfall for period, 1st May to 30th November.	Departure from normal of period, 1st May to 30th November, 1906.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
	2	18	9	1					N 59° E	4·7			4·0	43	— 7	·361	—·043	0·3	—1·5	0	0·30	—0·30	0	0·28	—0·38	3761	32·94	+4·67	0	Ahmedabad.
1		13	14	1				1	N 69° E	6·8	7·5	— 9		44	+ 3	·325	+·025	0	—1·2	0	0·18	—0·18	0	0·17	—0·17	2253	23·78	—1·25	0	Deesa.
15				4		10		1	S 28° W	2·4	2·5	— 4	2·8	57	— 2	·336	—·008	0	—1·0	0	0·10	—0·10	0	0·11	—0·11	21·95	26·92	—4·97	0	Agra.
26						4			S 45° W	0·8	1·8	—56	0·8	59	+ 9	·437	P	0	—0·9	0	0·10	—0·10	0	0·13	—0·13	39·03	36·86	+2·22	0	Jhansi.
														60	— 2	·443	—·014	1·9	0				0·36	0·76	—0·37					IX.—Deccan.
19			5	4		1	1		S 60° E	5·3	11·7	—55		63	— 1	·483	+·023	2·0	—0·3	2	2·20	—0·20	1·22	1·76	—0·54	44·09	47·61	—3·52	0·95	Belgaum.
2	2	4	7	11		1		3	S 84° E	8·0	7·7	+ 4	7·9	53	0	·436	+·007	2·2	—0·2	2	1·50	+0·50	0·34	1·19	—0·85	18·58	29·76	—11·18	0·22	Sholapur.
15	2	5	2			1	3	2	N 7° E	5·6	5·8	— 3		59	— 2	·446	+·018	2·0	+0·3	0	1·70	—1·70	0·12	1·06	—0·94	22·15	26·88	—4·73	0·07	Poona.
1	1	17	4	4			1	2	N 55° E	3·7			4·0	61	— 9?	·486	—·049?	4·5	+2·0	2	2·10	—0·10	0·89	1·25	—0·36	22·68	23·19	—0·51	0·56	Bijapur.
2	2	2					12	12	N 58° W	8·4	4·0	+110	9·7	44	—12	·324	—·082	0·4	—1·3	0	1·00	—1·00	0	0·50	—0·50	22·22	23·54	—1·32	0	Malegaon.
17	1		1	1	3	1		6	N 75° W	3·8			4·6	44	—20?	·348	—·122	2·0	+0·3	1	1·50	—0·50	0·12	0·59	—0·47	20·56	20·86	—0·30	0·10	Ahmednagar.
16		6	6	2					N 78° E	2·6	3·4	—24	2·3	56	— 3	·417	+·010	1·8	+0·3	0	0·80	—0·80	0·01	0·54	—0·53	35·01	32·28	+2·73	0·01	Akola.
6	3	8	11			2			N 64° E	3·1	3·0	+ 3	2·8	55	+ 2	·464	+·052	1·8	+0·3	0	0·60	—0·60	0	0·59	—0·59	36·92	32·95	+3·97	0	Amraoti.
23		1	4	2					S 83° E	1·6	2·6	—38	1·6	55	— 2	·372	+·002	1·9	+0·8	0	0·60	—0·60	0	0·23	—0·23	44·76	30·36	+14·40	0	Khandwa.
15		11	4						N 56° E	1·1	1·9	—42	1·1	62	— 6	·386	—·020	1·7	+0·4	0	0·50	—0·50	0	0·45	—0·45	43·24	50·69	—6·75	0	Hoshangabad.
8	12	8						2	N 13° E	2·8	4·0	—30	2·2	58	— 4	·418	—·021	1·3	—0·6	0	0·90	—0·90	0	0·81	—0·81	60·81	47·24	+13·57	0	Nagpur.
29								1	N 45° W	1·2	1·8	—33	1·1	77	+ 4	·506	—·016	2·1	+0·1	2	1·00	+1·00	0·56	0·96	—0·40	49·03	52·84	—3·81	0·45	Chanda.
9	3	9	2	1	1	2	1	2	N 35° E	3·8	2·6	+46	3·2	57	— 6	·372	—·040	1·5	+0·2	0	0·90	—0·90	0	0·61	—0·61	50·15	52·36	—2·21	0	Seoni.
4		1	1	13	9	1	1		S 27° E	2·0	1·8	+11	1·8	68	— 5	·375	—·036	0·9	—0·3	0	0·60	—0·60	0	0·48	—0·48	47·19	56·92	—9·73	0	Jubbulpore.
8		1	5	5	1	9	1		S 11° E	3·8	2·3	+65	3·4	43	—11	·307	—·047	1·6	+0·5	0	0·50	—0·50	0	0·33	—0·33	48·67	46·44	+2·23	0	Saugor.
22			1				4	3	N 67° W	0·9	3·2	—72	0·8	65	+ 2	·390	+·015	2·5	+1·4	0	0·70	—0·70	0	0·34	—0·34	46·56	43·34	+3·22	0	Sutna.
15	2	5	1	1	2	2		2	N 41° E	2·5	3·3	—24	3·0	75	+ 9	·491	+·026	0·7	—1·3	2	0·90	+1·10	0·96	0·46	+0·50	41·02	48·67	—7·65	0·52	Raipur.
20	1	1			2	1		5	N 54° W	2·5			2·1	62		·389		2·9		0			0·03			56·56			0·02	Pendra.
1	3	10	7	8	1				N 81° E	2·9	1·4	+107	2·8	79	+ 3	·547	—·004	1·4	—0·4	1	1·00	0	0·16	0·59	—0·43	48·70	64·69	—15·99	0·16	Sambalpur.
18		2	9	1					N 84° E	4·4			4·4	43		·377		1·8		0	1·00	—1·00	0	0·59	—0·59	29·25	11·52	+7·73	0	Aurangabad.
29	1								N	3·1			2·6	75		·596		1·3		1	1·40	—0·40	0·90	0·95	—0·05	41·04	38·09	+2·95	0·90	Indore.
	2	8	10	6	2		1	1	N 84° E	4·4			3·7	60		·508		2·6		1	2·20	—1·20	1·21	1·30	—0·09	33·65	37·51	—3·86	1·15	Bhopar.
3	1	10	13	1		1		1	N 70° E	5·4			4·8	62	— 2	·497	—·003	1·5	—0·9	4	1·50	+2·50	2·00	0·17	+1·53	37·64	29·83	+7·81	0·80	Gulbarga.
6	5	10	6	1		1		1	N 47° E	9·2			8·7	62	— 6	·559	—·009	2·2	—0·3	2	1·80	+0·20	0·74	0·76	—0·02	30·17	29·40	+0·77	0·61	Raichur.
30									None	2·5			2·4	69	— 4	·517	—·022	1·7	—1·0	1			0·21	1·48	—1·27	28·17	29·93	—1·76	0·16	Hyderabad (Dn.)
10	10			3	5			2	N 9° E	3·8			3·3	59		·501		2·5		0	1·90	—1·90	0·01			33·85			0·01	Hanumkonda.
														76	— 1	·727	+·008	3·5	+0·9				2·47	2·78	—0·31					IX.—West Coast.
		12	12	3				3	N 68° E	6·8	9·9	—31		73	— 1	·711	+·032	1·4	—0·1	0	0·60	—0·60	0	0·49	—0·49	56·15	74·94	—18·79	0	Bombay.
4	1	1	19	5					S 86° E	7·9	9·0	—12	7·3	61	+ 2?	·588	+·015?	1·9	+0·5	1	1·00	0	0·36	0·42	—0·06	91·66	107·03	—15·37	0·17	Ratnagiri.
	1	16		2	6	5			N 82° E	6·4				78	— 3	·700	—·029	2·4	+1·0	1			0·12	1·16	—1·04	86·13	92·34	—6·21	0·11	Mormugao.
		8	22						N 78° E					68	— 2	·644	—·024	2·3	+0·7	1			0·35	1·14	—0·79	89·37	97·80	—8·43	0·28	Goa
19	6	5							N 21° E	2·0				82	0	·658	+·002	2·5	+1·0	1	2·50	—1·50	0·31	2·08	—1·77	92·59	123·05	—30·46	0·31	Karwar.
2		10	11	4	1	1		1	N 80° E	4·6				79	— 2	·797	—·002	4·9	+1·1	9	7·70	+1·30	6·06	6·25	—0·19	93·49	105·21	—11·72	2·20	Cochin.
5		7	11	5	2				S 88° E	6·6			6·6	84	+ 3	·830	+·045	5·4	+2·0	8	5·50	+2·50	5·03	4·72	+0·31	97·73	108·84	—11·11	1·56	Calicut.
3		5	22						N 82° E	4·2	3·0	+40		76	— 1	·788	+·053	4·1	+1·1	5	3·80	+1·20	1·55	2·65	—1·10	113·48	121·69	—8·21	0·52	Mangalore.
18	5	2	1				3	1	N 10° W	2·1				84	— 1	·791	—·010	6·2	+0·8	13	9·10	+3·90	8·45	6·12	+2·33	63·39	52·75	+10·64	3·04	Trivandrum.

1e data for that station, are not utilized in calculating the provincial departures from normal.
3 and 45 are derived, are incomplete.

Ta

Abstract of Observations taken at 8 h., at

Number of rainfall division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 h., in inches.								Temperature of air.											
			Mean 8 h. pressure reduced to 32°.	Departure from normal.	Mean 8 h. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 h. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between max. and min.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	XI.—South India.	. .		+·035								85·7	+0·7	69·5	+0·3	77·6	+0·5	16·2				
57	Pamban . .	37	29·947	P	29·912	29·994	27th	29·885	14th	·109	78·6	83·9	−0·4	75·1	−1·0	79·5	−0·7	8·8	89·3	2nd	72·2	15th
	Tinnevelly . .	168	29·838	+·029	29·937	29·898	27th	29·783	1st	·115	79·2	87·6	−1·1	74·0	−0·6	80·8	−0·9	13·6	94·3	1st, 3rd & 5th.	69·9	17th
	Madura . .	447	29·562	+·052	29·950	29·621	27th	29·511	1st	·110	78·2	87·4	+0·1	72·8	+0·3	80·1	+0·2	14·6	94·4	3rd	70·0	25th
	Periyakulam .	944	29·042		29·940	29·096	27th	28·985	12th	·111	74·8	85·4		69·9		76·2		15·5	91·9	5th	64·6	26th
34	Salem . .	949	29·082	+·034	29·976	29·126	27th	29·023	1st	·103	76·8	87·0	−0·3	69·8	+1·3	78·4	+0·5	17·2	94·7	5th	63·9	18th
	Coimbatore .	1,348	28·659	+·041	29·974	28·697	30th	28·602	1st	·095	73·6	84·7	−1·5	68·7	−0·2	77·0	−0·9	16·0	89·4	6th & 7th.	65·3	1st
35	Mercara . .	4,781	26·296	+·039	26·229	26·349	27th	26·255	19th	·094	64·8	75·9	0	60·9	+0·8	68·4	+0·4	15·0	79·0	4 days	58·1	18th
36	Chitaldroog .	2,405	27·615	+·020	29·977	27·679	27th	27·550	1st	·129	72·3	84·2	+2·1	63·7	−0·3	74·0	+0·9	20·5	87·1	3rd & 4th.	59·4	17th & 18th.
	Bangalore . .	3,021	27·022	+·031	29·988	27·063	25th	26·977	1st	·086	69·5	81·2	+1·9	62·9	+1·0	72·1	+1·5	18·3	84·8	5th & 6th.	58·4	19th
	Hassan . .	3,091	26·961	+·026	29·992	27·018	27th	26·908	1st	·110	69·8	81·3	+1·5	60·1	+0·4	70·8	+1·0	21·2	83·6	4th	55·5	17th
	Mysore . .	2,518	27·511	+·025	29·988	27·560	27th	27·475	19th	·085	71·4	83·3	+0·8	64·9	+0·8	74·1	+0·8	18·4	86·5	5th & 6th.	59·9	18th
56	Negapatam .	31	29·953	+·025	29·913	29·995	27th & 30th.	29·902	1st	·093	78·6	85·5	+1·4	74·8	+0·7	80·2	+1·1	10·7	92·9	5th	71·0	25th & 29th.
	Cuddalore . .	37	29·960	+·021	29·927	30·008	27th	29·898	1st	·110	76·3	84·0	−0·8	73·1	+1·5	78·6	+0·4	10·9	90·1	4th	69·2	29th
	Trichinopoly .	255	29·754	+·041	29·946	29·807	27th	29·691	1st	·116	77·6	86·3	−0·8	72·5	+0·5	79·4	−0·2	13·8	95·5	5th	67·9	14th
	Pudukkottai . .	318	29·691		29·946	29·738	27th	29·637	1st	·101	76·5	85·1		72·5		78·9		12·6	93·7	1st	69·8	14th
	Madras . .	22	29·996	+·039	29·948	30·056	27th	29·923	1st	·133	77·7	86·0	+0·9	72·5	+0·2	79·3	+0·6	13·5	93·0	1st	68·5	27th
	Vellore . .	707	29·308		29·970	29·366	25th	29·247	1st	·119	75·2	86·7		69·3		78·0		17·4	92·9	2nd & 5th	64·7	18th
55	Nellore . .	52	29·970	+·041	29·965	30·024	27th	29·863	1st	·161	76·9	87·0	+0·3	71·3	−0·3	79·2	0	15·7	94·8	1st	67·1	27th
	Masulipatam .	15	30·034	+·054	29·984	30·099	27th	29·917	1st	·182	77·6	86·6	+1·5	71·6	+0·3	79·1	+0·9	15·0	90·0	6th	67·2	14th
54	Cuddapah . .	433	29·587	+·023	29·966	29·653	27th	29·489	1st	·164	76·8	90·9	+2·4	69·8	+0·5	80·4	+1·5	21·1	95·2	1st, 3rd & 6th.	64·4	16th
	Kurnool . .	923	29·089	P	29·978	29·154	27th	28·986	1st	·168	73·3	89·7	+1·6	65·1	+1·1	77·4	+1·4	24·6	93·7	4th & 5th	56·4	15th
	Bellary . .	1,475	28·541	+·031	29·985	28·603	27th	28·451	1st	·152	73·4	90·1	+3·4	66·4	+0·8	78·3	+2·1	23·7	94·0	2nd & 4th	61·1	15th
52	Cocanada . .	26	30·017	+·037	29·979	30·078	27th	29·906	1st	·172	76·4	84·9	+1·4	70·3	−0·2	77·6	+0·6	14·6	91·1	5th	65·0	12th & 13th.
	Waltair (Vizag.) . .	*226*	29·826	+·050	29·996	29·902	27th	29·711	1st	·191	78·0	85·1	P	71·8	P	78·5	P	13·3	88·4	6th & 10th.	66·4	13th
	Calingapatam .	19	30·029		29·988	30·114	27th	29·908	1st	·206												
	Gopalpur .	72	29·996	+·040	30·011	30·100	27th	29·853	1st	·247	12·1	83·7	+0·3	66·7	−0·1	75·2	+0·1	17·0	87·7	4th & 5th.	60·0	27th
	XII.—Hill Stations																					
48	Pishin . .	...										69·7		35·1		52·4		34·6	73·3	5th & 14th	30·0	2nd & 21st.
	Quetta . .	5,502	24·805	+·036	24·765	24·866	21st & 27th	24·679	30th	·187	45·5	69·5	+4·7	35·5	+3·4	52·5	+4·1	34·0	72·6	14th	30·3	17th
	Kalat . .	...									47·6	69·4	+2·4	28·8	+2·4	49·1	+2·4	40·6	76·5	18th	19·0	1st
	Chaman . .	4,311	25·279	+·041	25·841	25·938	7th	25·740	30th	·198	51·9	72·9	+3·5	46·2	+1·4	59·6	+2·5	26·7	77·3	14th	39·8	1st & 2nd
30	Leh . .	11,503	19·833	+·055	19·801	19·948	28th	19·692	11th	·256	28·9	51·1	+3·5	22·2	+1·7	36·7	+2·6	23·9	56·6	3rd & 6th	16·4	25th
	Srinagar . .	5,204	25·056	+·022	25·027	25·152	21st	24·960	10th	·192	36·6	65·9	+5·6	31·4	−0·2	49·7	+2·7	34·5	69·1	8th, 11th & 12th.	25·1	25th & 26th.
	Sonemarg . .	*8,764*	21·922		21·890	21·985	28th	21·839	10th	·146	31·5	55·2		24·2		39·7		31·0	60·9	18th & 19th.	17·6	25th
	Skardu . .	*7,505*	23·087		23·057	23·220	28th	22·929	3rd	·291	34·0	58·0		30·8		44·4		27·2	74·0	6th, & 12th.	25·1	25th
	Dras . . .	*10,059*	20·939		20·907	21·052	28th	20·849	3rd	·203	25·9	47·7		20·5		34·1		27·2	54·4	11th	13·6	25th
32	Gilgit . .	4,890	25·333		25·306	25·504	28th	25·152	10th	·352	50·4	67·3	+5·3	45·0*	+2·2	56·2*	+3·8	22·3*	73·3	2nd & 3rd	37·7	26th
	Chitral . .	*5,486*	25·241								40·5	68·5		36·5		52·5		32·0	75·1	17th	31·2	24th
	Killa Drosh . .	4,700P									48·3	67·2		45·7		56·5		21·5	73·3	1st	39·1	24th
	Para Chinar .	6,000	23·589		24·556	24·683	27th	24·494	10th	·189	53·1	67·8		41·7		54·8		26·1	70·9	6th	36·4	24th
	Cherat . . .	*4,256*	25·837	+·022	25·805	25·898	14th	25·713	10th	·185	56·5	68·2	+1·0	51·3	+2·2	59·8	+1·6	16·9	72·1	1st, 2nd & 6th.	44·5	22nd & 23th.

N.B.—Elevations in italics indicate barometrical determinations.
* Mean of 29 days.

Note 1.—When a query is inserted against any reading, or in the return of a
Note 2.—The data, from which divisional means of the figure columns Nos.
Note 3.—The barometric readings are not reduced to sea-level, in the cases of hill or plateau stations, the elevation

—*continued.*

Stations, in India, Burma, etc., in November, 1906—continued.

Wind Direction. Number of winds from Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	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 h. Mean humidity at 8 h.	Departure from normal.	Mean vapour tension at 8 h.	Departure from normal.	Cloud. Mean cloud amount at 8 h.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 30th November, 1906.	Normal rainfall for period 1st May to 30th November.	Departure from normal of period, 1st May to 30th November, 1906.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
														80	+1	·711	+·014	4·7	—0·1				4·96	6·05	—0·97					XI.—South India.
0	3	4	2	1	1	2	1	6	N 10° W	13·2			14·0	92		·990		6·1		15	12·00	+3·00	7·36	11·89	—4·53	37·04	23·48	+13·56	2·47	Pamban.
6	9	5		1	1	2	2	4	N 9° W	2·9			2·8	82	+4	·813	+·052	6·2	+1·0	8	9·90	—1·90	4·67	7·79	—3·12	19·27	18·07	+1·20	1·85	Tinnevelly.
2	12	10	1				1	4	N 11° E	5·2	3·8	+37	6·0	80	+4	·762	+·031	6·4	+1·9	6	7·00	—1·00	6·15	4·71	+1·44	29·37	27·96	+1·41	2·80	Madura.
3		2		1		2	1	2	N 63° W	1·7			1·9	82		·705		5·4		12	7·40	+4·60	6·50	4·81	+1·69	32·71	21·28	+11·43	2·03	Periyakulam.
0	2	6	5				6	2	N 14° E	4·4	3·3	+33	3·9	80	+2	·749	+·047	5·9	+1·2	5	5·70	+0·70	2·33	3·93	—1·60	30·92	36·13	—5·21	0·81	Salem.
1	1	7	8	1			2	2	N 57° E	3·9	2·6	+50	3·6	86	+1	·718	—·005	5·3	—0·3	8	6·60	+1·40	3·52	3·38	+0·14	19·41	16·96	+2·45	0·63	Coimbatore.
		10	13	1				1	N 71° E	2·7	3·7	—27	2·5	86	+5	·536	+·033	5·8	+0·6	4	4·90	—0·90	1·29	2·86	—1·57	126·77	121·79	+4·98	0·44	Mercara.
		3	12	7			3	2	S 85° E	5·3			4·6	69	—2	·549	—·008	2·7	—1·7	0	2·80	—2·80	0·06	2·85	—2·79	27·19	23·85	+3·34	0·05	Chitaldroog.
		11	11	1	2	2	2	1	N 74° E	7·3	3·7	+97	6·5	79	+1	·572	+·029	4·3	+0·1	2	4·20	—2·20	0·65	3·33	—2·68	36·99	32·61	+4·38	0·39	Bangalore.
	1	18	5	1				1	N 52° E	2·0			1·7	80	+5	·580	+·035	5·1	—0·2	1	4·00	—3·00	1·22	2·65	—1·43	37·42	31·37	+6·05	1·10	Hassan.
	1	11	7	3	1	4	1	1	N 74° E	7·3			7·9	82	+2	·597	+·015	6·0	+0·7	2	4·10	—2·10	0·71	2·28	—1·57	24·87	27·29	—2·42	0·51	Mysore.
		9				2	3	15	N 30° W	12·0	5·2	+131	11·4	82	—2	·804	—·014	6·2	—0·6	15	13·30	+1·70	30·25	15·99	+14·26	56·52	39·74	+16·78	8·06	Negapatam.
	1	1			1	2	3	13	N 56° W	2·0			2·5	88	—2?	·791	—·042	6·2	+0·2	16	11·80	+4·20	29·87	12·74	+17·13	48·26	41·75	+6·51	9·11	Cuddalore.
	3	1			2	1	5		N 42° W	3·5	4·2	—17		83	+4	·780	+·030	5·7	+1·1	7	8·00	—1·00	5·14	5·09	+0·35	27·18	26·25	+0·93	3·00	Trichinopoly.
	17	5					5		N	6·8			8·1	86		·780		6·9		12			7·32			31·31			1·97	Pudukkottai.
	4	3	1		1	2	5	8	N 44° W	6·0	6·8	—12		87	+4	·833	+·037	5·5	0	12	13·00	—1·00	6·47	14·08	—7·61	28·19	43·01	—14·82	1·43	Madras.
	2	3	1				3	1	N 11° W	3·0			3·0	83		·722		3·4		8	7·50	+0·50	3·24	5·89	—2·65	29·21	34·07	—4·86	1·08	Vellore.
	3	2	2		3	1		14	N 34° W	5·0				81	—2	·752	—·034	5·7	+0·9	7	8·60	—1·60	2·83	7·82	—4·89	17·21	27·96	—10·75	0·96	Nellore.
	6	5						1	N 13° W	6·4	5·5	+16	5·6	83	+1	·787	+·044	2·7	—0·9	3	3·80	—0·80	2·49	6·30	—3·81	29·38	39·25	—9·87	1·16	Masulipatam
		7		11	1	8	2	1	S 26° E					73	—3	·675	—·020	4·0	+0·1	2	4·80	—2·80	1·05	4·01	—2·96	35·02	30·74	+4·28	0·75	Cuddapah.
			1			1	3	2	N 80° W	3·5				77	+6	·640	+·058	2·3	—0·3	0	2·30	—2·30	0·08	1·03	—0·95	26·19	26·84	—0·65	0·05	Kurnool.
	1	1	3	4	2	1	2	3	S 45° E	3·4	3·3	+3	3·0	63	—4	·526	—·019	2·2	—1·8	2	2·60	—0·60	0·51	1·98	—1·47	18·87	18·63	+0·24	0·29	Bellary.
	7	11	1				1	3	N 18° W	8·0			6·7	79	+6	·724	+·074	3·5	+0·1	2	3·90	—1·90	0·64	6·10	—5·46	36·66	37·74	—1·08	0·50	Cocanada.
	5	13				4	5	1	N 10° W	10·9			8·8	61	—7?	·582	—·068	3·0	—0·4	2	3·70	—1·70	0·44	6·11	—5·67	41·04	40·50	+0·54	0·18	Waltair (Vizag.).
	6	1					8	15	N 47° W	7·7			6·5							0			0·03						0·08	Calingapatam
							2	16	N 50° W	10·1	7·0	+44	9·9	79	—1	·624	—·001	1·1	—2·1	0	2·80	—2·80	0·06	4·34	—4·28	34·87	44·84	—9·97	0·09	Gopalpur.
																														XII.—Hill Stations.
																				0	1·30	—1·30	0·03	0·52	—0·49	0·08	1·07	—0·99	0·03	Pishin.
									None	0	2·7	—100	0	55	+3	·167	+·014	1·1	—0·9	1	1·60	—0·60	0·13	0·31	—0·18	0·56	2·72	—2·16	0·13	Quetta.
	1		1		28				S 2° E					44		·150				0	0·90	—0·90	0	0·31	—0·31	0·90	2·04	—1·14	0	Kalat.
	11	4	2					8	N 2° W	6·0			6·6	67	+24	·249	+·048	1·2	—1·5	0	1·90	—1·90	0·02	0·26	—0·24	0·08	0·58	—0·50	0·02	Chaman.
		9	2						N 53° E	3·0				55	—12	·090	—·013	1·9	—2·2	0	0·20	—0·20	0	0·02	—0·02	1·27	1·77	—0·50	0	Leh.
				7	2	1	1	1	S 21° E	1·4			1·3	84	—4	·184	—·007	1·1	—1·8	0	1·20	—1·20	0	0·46	—0·46	11·02	11·71	—0·69	0	Srinagar.
	2	5	2		1				N 51° E	2·4			1·8	73		·125		1·6		0			0			19·67			0	Sonemarg.
		1		2		1			S 45° E	2·3			2·3	64		·123		3·2		0	0·30	—0·30	0	0·08	—0·08	6·80	3·03	+3·77	0	Skardu.
							1		W	3·2			2·6	85		·123		1·5		0	2·70	—2·70	0	1·14	—1·14	9·14	7·59	+1·55	0	Dras.
									None	0·6			0·5	38	—14	·140	—·025	3·2	—0·8	0	0·10	—0·10	0	0·05	—0·05	3·96	2·60	+1·36	0	Gilgit.
		1		2					S 68° E	0·7			0·6	71		·181		0·7		1			0·33			5·32			0·33	Chitral.
	4	3			2	6	5	10	N 63° W					61		·207		1·5		0			0·05			9·56			0·05	Killa Drosh.
									None	4·3			4·0	45		·182		1·7		0	2·00	—2·00	0·02	1·05	—1·03	19·52	13·88	+5·64	0·02	Para Chinar.
	9	2					1	6	N 15° W	7·6			7·4					1·0	—1·4	0			0	0·12	—0·12	13·61	12·04	+1·57	0	Herat.

ion, the data for that station, are not utilized in calculating the provincial departures from normal.
and 45 are derived, are incomplete.
hich exceed 5,000 feet.

§ Rainfall since 22nd May.

Table

Abstract of Observations taken at 8 h., at 23

Number of rainfall division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 h., in inches.								Temperature of air.											
			Mean 8 h. pressure reduced to 32°.	Departure from normal.	Mean 8 h. pressure reduced to sea-level, and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 h. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
29	Murree	6,333	23·977	+·039	23·945	24·068	21st	23·908	9th	·160	53·8	6·29*	+4·1	45·5	−0·1	54·2*	+1·0	17·4	66·5	9th	39·0	24th	27·
	Kailang	*10,087*	21·060		21·015	21·142	21st	20·981	29th	·161	32·6	56·3	+4·7	27·1	+1·7	41·7	+3·2	29·2	63·3	2nd	23·9	25th	44·
	Poo	...										59·0		37·2		48·1		21·8	66·5	3rd	33·9	24th	32·
	Simla	7,224	23·218	+·032	23·180	23·298	27th	23·154	2nd & 9th.	·144	50·6	57·9	+1·8	46·9	+1·9	52·4	+1·9	11·0	62·5	6th	42·8	24th	19·
	Sarain	...	23·260			23·332	27th	23·195	9th	·137	39·1	61·3		36·5		48·9		24·8	66·7	5th	32·3	23rd	34·
	Chakrata	7,022	23·381	+·027	23·341	23·479	21st	23·303	9th	·176	51·0	64·5	+4·5	44·2 ††	+0·3 ††	53·4 ††	+2·4 ††	20·3	69·3	5th & 7th.	41·2	24th & 25th.	28·
25	Muktesar	7,600	22·943		22·902	23·059	21st	22·855	9th	·204	51·1	62·1		45·6		53·9		16·5	67·0	6th	38·9	30th	28·
13	Yatung	10,480										51·7		29·6		40·6		22·1	59·1	1st	24·1	27th	35·
	Darjeeling	7,376	23·127	+·021	23·076	23·198	20th	23·052	1st	·146	50·6	57·2	+3·0	44·2	+1·8	50·7	+2·4	13·0	64·7	20th	40·0	25th & 26th.	24·7
	Pharijong		17·985			18·067	3 days	17·907	17th	·160	23·7	49·8		11·5		30·7		38·3	64·1	1st	4·0	21st	60·1
8	Shillong	4,920	25·242		25·194	25·334	20th	25·146	1st	·188	56·6	65·9		47·0		56·5		18·9	69·9	7th	39·2	28th	30·7
	Cherra Poonjee	4,309	25·794	+·036	25·745	25·888	20th	25·652	1st	·236	60·4	67·6		54·6		61·1		13·0	71·7	3rd	51·3	22nd, 26th & 29th.	20·4
50	Mount Abu	3,945	26·199	+ 031	26·149	26·263	27th	26·125	1st	·138	68·7	74·6	+1·1	60·1	+2·2	67·4	+1·7	14·5	78·2	4 days	55·4	29th	22·8
42	Pachmarhi	3,528	26·584		26·531	26·648	27th	26·471	1st	·177	62·5	74·98	+1·68	49·0	−2·3	62·08	−0·4	25·9	80·1	4th	40·3	26th	39·8
34	Ootacamund	*7,322*	23·080		23·016	23·113	5th	23·035	20th	·078	56·8	62·7		49·3		56·0		13·4	66·5	28th	41·7	20th	24·8
57	Kodaikanal	7,688	22·873		22·808	22·905	5th	22·834	19th	·071	53·9	60·9		49·5		53·8		11·4	65·5	18th	45·8	22nd	19·7
	XIII.—Extra India.																						
	Trincomalee	12	29·963	+·032	29·901	30·010	30th	29·920	13th	·090	77·7	85·2	−0·1	74·7	0	80·0	−0·1	10·5	86·0	26th	72·0	29th & 30th.	14·0
	Colombo	40	29·942 (c)	+·025	29·908	30·002	8th	29·876	19th	·126	77·9	85·0	−1·4	74·1	0	79·6	−0·7	10·9	88·0	19th & 24th	72·0	6th & 27th.	16·0
	Meshed	3,104	27·168 (b)			27·990	22nd	27·390	28th	·600	45·7	56·7		37·8	+1·7	47·3		18·9	68·4	17th	29·0	3rd	39·4
	Teheran(*d*)	*4,002*	25·972 (b)			26·500	22nd & 23rd.	25·600	5th	·900	46·9*	65·5*	+4·2	44·3*	+2·3	54·9*	+3·3	21·2	75·5	1st	36·7	30th	38·8
	Ispahan(*d*)	*5,817*	24·360			24·460	5th	24·180	26th	·280	42·3	62·8	+0·9	39·4	+3·6	51·1	+2·3	23·4	71·3	18th	33·7	16th	37·6
	Bushire(*d*)	14	30·076	+·002	30·049	30·186	30th	29·918	27th	·268	66·5	77·6	−0·5	64·7	+2·4	71·2	+1·0	12·9	92·1	3rd	55·3	30th	36·8
	Bahrein**	18	30·121		30·092	30·218	30th	29·977	1st	·241	78·1	81·3		73·3		77·3		8·0	90·7	4th	67·0	30th	23·7
	Jask*	13	30·050	−·023	30·020	30·162	22nd	29·940	17th	·222	76·4	84·7	+1·5	71·8	+3·1	78·3	+2·3	12·9	89·8	6th	68·2	20th & 25th	21·6
	Muscat	20	30·071	+·003	30·039	30·151	28th	29·994	1st	·157	80·2	88·2	+8·2	76·9	+1·6	82·6	+4·9	11·3	94·3	1st	72·6	24th	21·7
	Baghdad	220	29·983	+·008	30·191	30·137	21st	29·729	1st	·408	56·1	75·0	+1·4	52·7	+3·2	64·4	+2·3	23·3	91·0	2nd	44·0	13th	47·0
	Busrah	25	30·135		30·120	30·227	29th	29·925	2nd	·302	64·9	76·9		56·1		66·6		20·8	92·4	1st	43·7	13th	48·7
	Beirut (*e*)				30·074						66·5	73·8		62·2		68·0		11·6	79·0	5th	54·6	26th	28·4
	Aden	94	29·980	+·028	30·007	30·059	28th	29·832	3rd	·227	77·8	83·7	−1·2	74·6	−0·1	79·2	−0·7	9·1	92·3	3rd	70·9	20th & 24th.	21·4
	Perim	201	29·823	+·021	29·961	29·853	14th & 26th.	29·752	2nd	·101	80·8	86·2	−0·7	74·6	−2·5	80·5	−1·6	11·6	90·1	3rd	72·4	22nd & 27th.	17·7
	Kabul	...	24·419		24·388	24·533	28th	24·349	1st	·184	44·2	?	?	31·6	−0·3	?	?	?	?	?	29·9	21st & 24th.	?
	Kashgar	4,255	25·775 (c)			26·100	25th	25·470	12th	·630	32·4	51·7	−0·3	27·0	−1·8	39·4	−1·1	24·7	71·3	1st	20·3	26th	51·0
	Amini Divi	*13*	29·991	+·031	29·932	30·054	5th	29·886	14th	·168	82·1	86·9	+1·9	75·6	+0·1	81·2	+1·0	11·3	89·5	9th	72·6	6th	16·9
	Minicoy	7	29·993		29·926	30·050	5th	29·939	19th	·111	81·8	85·9	−0·3						87·6	8th			
	Zanzibar	72	30·006	+·042	30·005	30·063	6th	29·930	19th	·133	79·8	84·2	+0·5	76·5 ††	−0·7	80·4 ††	−0·1	7·7	87·2	9th	73·5	5th	14·7
	Dc. Dunga(*f*)	*154*	29·889		29·972	29·940	7th	29·828	26th	·112	77·6	87·5		69·8 ††		78·4 ††		17·7	90·6	29th & 30th.	67·4	4 days	24·2
	Penang (*a*)	20	29·930		29·874	29·952	2nd	29·908	25th	·044	80·3	86·6		72·5		79·6		14·1	91·0	23rd & 29th.	68·0	14th & 15th,	23·0
	Singapore (*a*)	10	29·953		29·884	30·017	12th	29·905	22nd & 24th.	·112	82·8	88·2		74·5		81·4		13·7	91·8	5th	72·0	3rd & 21st.	19·8

(*a*) 9 h. observations.
(*b*) Aneroid uncorrected.
(*c*) Aneroid corrected.
(*d*) 7 h. Observations.
(*e*) 8½ h. Observations.

* Mean of 29 days.
†† „ „ 18 „

** Observations of 29 days.
‡‡ „ „ 16 „

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

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

(*f*) Observations of 28 days.

I—*concluded.*

stations, in India, Burma, etc., in November, 1906—concluded.

Wind Direction. Number of winds from Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	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 h. Mean humidity at 8 h.	Departure from normal.	Mean vapour tension at 8 h.	Departure from normal.	Cloud. Mean cloud amount at 8 h.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 30th November, 1906.	Normal rainfall for period, 1st May to 30th November.	Departure from normal of period, 1st May to 30th November, 1906.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
26	2			1	1				N 67° E	3·9	5·1	−24	4·2	36	0	·149	+·020	0·8	−2·0	0	2·10	−2·10	0	0·90	−0·90	35·92	39·80	− 3·88	0	Murree.
	2		3	16	7	1	1		S 37° E	0·8				44		·083		0·5		0			0	0·51	−0·51	13·11	9·28	+ 3·83	0	Kailang.
13				7	1	5	1		S 3° E									0·6		0			0	0·78	−0·78	1·81	4·55	− 2·74	0	Poo.
3	15	3	1		2	2	1	3	N 6° W	5·5	1·9	+189	5·3	36	− 6	·132	−·009	0·7	−1·1	0	0·70	−0·70	0	0·61	−0·61	85·18	52·88	+32·30	0	Simla.
18					9	3			S 10° W	2·9			2·8	59		·140		0·3		0			0			63·57			0	Sarain.
20	7	2	1						N 16° E	4·4	4·5	− 2	5·3	52	− 1	·195	+·010	0·6	−0·8	0	0·70	−0·70	0	0·55	−0·55	75·34	57·88	+17·15	0	Chakrata.
9	1	1	7	1			9	2	N 41° W	8·0			7·4	47		·174		1·0		0			0			40·55			0	Muktesar.
																				0	0·86	−0·86	0·05	0·29	−0·24	34·05	40·77	− 6·72	0·05	Yatung.
4	2	10	7	5		2			N 76° E	2·5	1·7	+47	2·3	79	0	·296	+·034	3·2	−0·2	1	0·68	+0·32	0·18	0·36	−0·18	108·14	116·54	− 8·40	0·14	Darjeeling.
10	4	1		8	2	1	1	3	S 56° W	8·0			6·7					0·3		0			0						0	Pharijong.
30									None	0·2			0·2	75		·345		3·1		5	1·90	+3·10	5·33	0·78	+4·55	91·20	72·01	+19·19	2·67	Shillong.
7		17	3			3			N 52° E	3·8			3·3	72		·381		2·7		2	1·20	+0·80	3·17	0·92	+2·25	429·24	388·98	+40·26	2·92	Cherra Poonjee.
17	5	5	1		1	1			N 30° E	4·6	3·7	+24	4·6	43	+ 1	·301	+·035	0	−1·8	0	0·40	−0·40	0	0·28	−0·28	69·49	60·73	+8·76	0	Mount Abu.
17		3	6	1	1	1		1	N 87° E	1·8	2·5	−28	1·9	67	+13	·380	+·037	1·6	0	0	0·80	−0·80	0	0·56	−0·56	77·70	74·04	+ 3·66	0	Pachmarhi.
3	1	6	13	6	1				E	5·0			4·7	71		·326		4·9		9	6·30	+2·70	3·27	4·00	−0·73	51·04	39·76	+11·28	0·93	Ootacamund.
	9	6	7	2	2			4	N 38° E	12·9				84		·367		7·0		15	111·30	+3·70	10·93	8·17	+2·76	48·35	47·72	+ 0·63	2·91	Kodaikanal.
																														XIII.—Extra India.
13		6			1	8	1	1	S 61° W	1·5				89	+ 3	·841	−·021	3·5	0	18			24·26	13·57	+10·69	55·82	35·85	+19·97	7·10	Trincomalee.
	6	6	4	3	3	5	2	1	N 60° E	6·5	5·8	+12		88	+10	·843	+·015	6·3	+1·5	13			14·25	13·13	+1·12	51·84	60·83	− 8·99	3·65	Colombo.
														71 **		·220		3·3		2			0·25	0·51	−0·26	3·97	1·94	+ 2·03	0·11	Meshed.
6	7	12	2		1		1		N 34° E	3·8‡			3·3‡	71		·235		9·3*		2			1·83						0·88	Teheran. (g)
27	1				1		1		W	1·1			1·4	80		·223		3·5		3			1·49	0·92	+0·57	2·73	1·30	+1·43	0·75	Ispahan.
1	7	9	2	3	3			5	N 30° E	10·6			11·7	81	+14	·529	+·071	4·3	+1·2	5			2·57	1·79	+0·78	2·79	1·87	+ 0·92	0·91	Bushire.
		2	3	3			11	10	N 63° W	3·7 †			3·2†	80		·773		0·8		1			6·04			6·09			6·04	Bahrein.
2	3	7	9					8	N 32° E	12·0			11·5	76	+ 9	·680	+·101	5·0	+3·2	0			0·02	0.49	−0·47	0·09	0·66	− 0·57	0·02	Jask.
23			2					5	N 45° W	3·3			3·4	70	+ 2	·724	+·067	2·3	+0·8	0			0	0·61	−0·61	0·27	1.03	−0·76	0	Muscat.
25			1	1				3	N 15° W	1·5	2·3	−35	1·9	72		·329		2·5		4			1·73	0·92	+0·81	1·76	1·29	+0·47	0·65	Baghdad.
13	6				7		2	2	N 82° W					85		·531				7			1·61			2·24			0·45	Busrah.
12	1	2		1	6	8			S 19° W					65		·424		3·2		5			3·92						1·31	Beirut.
	3	24	1	2					N 46° E	17·6	11·6	+52	16·7	83	+11	·790	+·104	4·2	+0·4	0			0	0·23	−0·23	0·02	0·74	−0·72	0	Aden.
			25	5					S 82° E	22·2			18·3	69		·734		2·9		0			0	0·04	−0·04	0·06	0·95	−0·89	0	Perim.
	3	15	8	3				1	N 59° E					57		·17 0		2·3	+0·6	1			0·56	0·72	−0·16	3·10	2·20	+0·90	0·56	Kabul.
27				1				2	N 77° W	1·2‡			1·1‡					2·0		0			0	0·03	−0·03	1·22	3·09	−1·87	0	Kashgar.
5	5	12	1	1				6	N 19° E					77	− 2	·845	−·013	4·1	+0·1	5			0·66	1·58	−0·92				0·14	Amini Divi.
	6	8	1	2	1	1	5	6	N 9° W	4·0			4·3	80		·865		4·2		7			4·20			65·82			1·54	Minicoy.
4	1	3	3	12	4	3			S 45° E	4·1			3·9	82		·832		5·0		11			7·67	9·28	−1·61	36·39	30·63	+5·76	3·28	Zanzibar.
10	1	3	4	8	2				S 67° E	4·0§			3 9§	89		·847		6·1		5			7·76						3·15	Do. Dunga.
	10	1	11		3			5	N 36° E	8·4								3·8		13			16·79			72·09			3·30	Penang.
	4	4	1	1			2	18	N 28° W	3·7								5.5		17			12·74			‡‡ 57·41			2·27	Singapore.

‡‡ Rainfall since 16th August to 30th September wanting.

† Mean of 28 days.
‡ " " 26 "
§ " " 27 "
** " " 21 "

(g) Wind observation 1 less.

TABLE II.—Abstract of Observations recorded at 10 h. and 16 h., at 61 Stations, in India, Burma, etc., in November, 1906.

Table

Abstract of Observations recorded at 10 h. and 16 h., a

Meteorological Province.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure.						Temperature of air.										Temperature, Wet-bulb.			
			Mean of 10 h.	Mean of 16 h.	Mean daily range.	Mean of daily mean pressures.	Departure from normal.	Mean reduced to S. L. and gravity, 45° Lat.	Mean maximum.	Mean minimum.	Mean daily range.	Highest maximum.	Lowest minimum.	Absolute range.	Mean 10 h.	Mean 16 h.	Mean of daily means.	Departure from normal.	Mean minimum.	Mean 10 h.	Mean 16 h.	Mean of three previous columns.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Burma Coast and Bay Islands.	Port Blair	61	29·932	29·831	·101	29·884	+·036	29·875	86·3	76·8	9·5	89·8	74·0	15·8	83·4	83·6	80·7	−0·5	73·7	77·3	76·7	75·9
	Rangoon	36	·989	·870	·119	·932	+·026	·904	87·7	73·5	14·2	91·0	68·0	23·0	82·7	86·4	78·9	+0·6	71·9	76·0	75·7	74·5
	Diamond Island	41	·870	·864	·106	·919	+·024	·895	85·1	76·9	8·2	87·2	74·2	13·0	82·8	83·3	80·2	+0·6	71·3	75·7	75·5	74·2
	Akyab	20	30·018	·897	·121	·960	+·019	·923	84·3	70·1†	14·2	86·9	65·4	21·5	78·3	82·4	76·5	−1·0		73·6	74·7	
Bengal and Orissa.	Chittagong	87	29·954	·844	·110	·898	+·027	·935	82·6	64·7	17·9	85·0	59·2	25·8	76·9	79·7	73·3	−0·7	64·1	71·8	72·1	69·3
	Calcutta (Alipore)	21	30·042	·928	·114	·981	+·017	·948	82·7	65·4	17·3	86·4	59·5	26·9	78·1	81·3	73·5	+1·1	64·1	70·1	69·8	68·0
	Saugor Island	25	·037	·924	·113	·974	+·028	·944	83·4	67·9	15·5	86·5	61·7	24·8	79·2	80·5	74·7	+1·3	65·3	72·1	70·5	69·3
	False Point	21	·048	·947	·101	·991	+·028	·954	83·6	65·7	17·9	89·1	55·6	33·5	80·1	81·0	73·7	+0·7	65·3	71·5	71·1	69·3
Gangetic Plain and Chota Nagpur.	Hazaribagh	2,007	28·024	27·934	·090	27·971	+·012	·952	78·0	58·6	19·4	82·6	53·0	29·6	74·2	75·7	67·5	+0·7	54·4	60·9	61·4	58·9
	Allahabad	309	29·754	29·638	·116	29·686	+·005	·953	85·7	55·8	29·9	91·2	50·5	40·7	76·7	84·0	69·1	+1·6	54·0	63·2	64·8	60·7
Upper Sub-Himalayan.	Dehra Dun	2,233	27·804	27·711	·093	27·747	+·009	·978	77·6	52·4	25·2	82·0	48·8	33·2	68·7	73·2	64·3	+1·7	49·9	58·1	59·9	56·0
	Roorkee	899	29·146	29·038	·108	29·081	+·007	·969	80·6	50·2	30·4	85·8	44·7	41·1	70·7	77·4	62·9	+0·2	49·3	61·1	62·7	57·7
	Lahore	702	·342	·247	·095	·286	0	·970	86·2	50·6	35·6	92·4	46·3	46·1	73·3	83·4	66·4	+3·2	48·5	61·6	65·8	58·6
	Ludhiana	812	·229	·139	·090	·176	+·005	·978	83·3	53·3	30·0	88·3	48·6	39·7	68·9	79·5	66·1	+2·6	49·4	58·8	59·7	56·0
Indus Valley and N.-W. Rajputana.	Peshawar	1,110	28·961	28·855	·106	28·900	+·001	30·023	78·8	49·3	29·5	84·2	42·7	41·5	69·2	75·0	62·1	+3·0	45·5	57·2	59·5	54·1
	Jacobabad	186	29·903	29·796	·107	29·846	+·027	29·996§	91·6	57·0	34·6	96·1	51·4	44·7	78·2§	87·8§	73·0	+5·5	52·6	62·0	66·3	60·3
	Kurrachee	30	30·055	·949	·106	·998	+·020	·978	89·7	66·2	23·5	95·1	59·4	35·7	83·7	85·2	77·3	+3·3	62·2	71·6	74·1	69·3
East Rajputana, Central India and Gujarat.	Jaipur	1,431	28·644	28·540	·104	28·581	+·019	·975	89·0	57·2	31·8	94·0	51·1	42·9	81·3	86·8	71·5	+2·6	48·7	60·5	61·8	57·0
	Udaipur	1,925?	·151	·041	·110	·094		·972	86·7	53·6†	33·1	90·5	48·0	42·5	79·1	85·6	69·8†		53·6‡	62·8	65·7	60·7
	Deesa	466	29·596	29·478	·118	29·531	+·018	·947	95·6	56·9	38·7	100·0	52·3	47·7	87·4	93·7	76·1	+1·8	51·2	64·6	66·7	60·8
	Jamnagar	61	30·004	·898	·106	·947		·953	91·0	63·7	27·3	95·5	57·5	38·0	84·7	88·5	76·5		58·4	68·0	66·6	64·3
Deccan.	Belgaum	2,539	27·485	27·376	·109	27·429	+·039	·885	82·7	61·5	21·2	85·1	54·9	30·2	77·4	80·6	71·4	+0·5	58·3	64·8	64·5	62·5
	Sholapur	1,590	28·449	28·319	·130	28·385	+·035	·918	89·3	63·4	25·9	93·1	55·3	37·8	80·9	87·0	76·0	+1·4	56·6	65·7	66·4	62·9
	Akola	930	29·126	·995	·131	29·056	+·023	·935	89·7	58·6	31·1	94·1	50·0	44·1	81·1	87·6	73·7	+2·0	53·5	66·0	66·1	62·0
	Buldana	2,132	27·931	27·821	·110	27·869	+·020	·937	85·0	63·0	22·0	89·0	57·5	31·5	81·0	82·6	73·6	+1·9	54·8	62·4	61·8	59·7
	Khandwa	1,044	29·009	28·882	·127	28·941	+·023	·945	89·5	56·9	32·6	93·6	50·1	43·5	80·3	87·3	72·8	+1·7	52·0	64·1	64·7	60·3
	Nagpur (Sanitary Commr.'s Office).	1,017	·047	·925	·122	·981	+·036	·967	86·3	59·4	26·9	90·6	51·1	39·5	77·7	84·1	72·3	+0·1	55·4	64·5	65·3	61·7
	Hyderabad (Deccan).	1,690	28·349	·238	·111	·292	+·041	·932	86·2	62·5	23·7	91·3	56·1	35·2	79·5	82·3	73·7	+1·4	59·7	66·6	67·1	64·5
West Coast.	Bombay	37	29·999	29·884	·115	29·938	+·025	·914	89·4	75·7	13·7	91·8	72·1	19·7	81·6	85·4	81·8	+2·5	70·0	73·0	75·4	72·8
	Karwar	44	·968	·859	·109	·914	+·040	·892	89·3	69·4	19·9	91·9	62·8	29·1	79·5	85·7	78·5	+0·9	66·3	71·7	75·0	71·0

§ Mean of 29 days. † Mean of 28 days. ‡ Mean of 27 days.

II.

61 Stations, in India, Burma, etc., for November, 1906.

Vapour Tension.					Humidity.					Cloud.				Wind Direction. Total number of 10 h. and 16 h. winds from										Wind Steadiness.		Wind Velocity.		Rainfall.		Station.	Meteorological Province.
From minimum.	Mean 10 h.	Mean 16 h.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 h.	Mean 16 h.	Mean of daily means.	Departure from normal.	Mean 10 h.	Mean 16 h.	Mean of two previous columns.	Departure from normal.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Mean wind direction.	Normal mean wind direction of month.	Average percentage.	Normal percentage.	Mean velocity in miles per diem.	Normal.	Total rainfall for the month.	Heaviest rainfall during the month.		
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
																									%	%						
·793	·857	·828	·851	—·090	86	75	72	81	− 4	4·4	6·4	5·4	−0·4		2	4	3	24	5	8	9	5	S 13° E	N 81° E	33	42	159*	161	5·07	2·29	Port Blair.	Burma Coast and Bay Islands.
·769	·814	·749	·792	+·003	92	72	59	80	− 3	4·2	2·9	3·6	−0·4	6	8	15	8	5	14		3	1	N 85° E	N 66° E	32	57	35*	94	1·55	0·86	Rangoon.	
·693	·796	·783	·769	—·033	75	71	69	75	− 5	2·2	3·3	2·8	−1·7		3	22	11	11	2		2	9	N 60° E	N 60° E	50	57	232*	221	1·09	0·28	Diamond Island.	
	·774	·759				79	68			2·5	2·9	2·7	−0·7	2	8	13	16		1	1	8	11	N 20° E	N 6° E	42	31	63*	55	1.05	0·33	Akyab.	
·596	·714	·687	·665	−·008	97	77	68	82	+ 2	1·3	1·7	1·5	−1·6		11	16	4	3		1	5	20	N 4° W	N 18° W	47	47	62*	65	2·78	1·67	Chittagong.	Bengal and Orissa.
·588	·636	·578	·616	+·038	93	66	54	74	0	1·8	2·0	1·9	−0·6	2	14	6		3	1	6	4	24	N 34° W	N 12° W	56	58	43*	60	0·35	0·23	Calcutta (Allpore).	
·600	·699	·617	·638	+·009	87	70	59	73	− 3	2·3	1·8	2·1	−1·2		25	9		1	2	5	3	15	N 16°W	N 2° E	62	60	165	168	0·21	0·21	Saugor Island.	
·536	·666	·639	·646	+·017	98	64	60	75	− 1	3·3	2·7	3·0	−0·5	6	14	14	6	2	1	2	8	7	N 7° E	N 30° E	42	54	72*	144	0·16	0·09	False Point.	
·379	·368	·366	·379	+·013	76	44	42	58	+ 3	1·3	1·4	1·4	−1·1	1	19	11	2	3	3	2	3	16	N 7° W	N 30° W.	53	43	104*	110	0·13	0·13	Hazaribagh.	Gangetic Plain and Chota
·399	·403	·360	·393	—·009	89	44	31	61	− 3	0·5	0·6	0·6	−0·7	10	8	4	5	1	1	3	14	14	N 46° W	N 51° W	41	24	41*	55	0	0	Allahabad.	
·331	·354	·355	·342	+·006	83	51	44	62	− 1	0·5	1·2	0·9	−0·6	20	8	3		2	7	10	7	3	S 76° W	S 84° W	22	19	28‖	31	0	0	Dehra Dun.	Upper Sub-Himalayas.
·328	·412	·376	·366	+·026	94	55	40	66	+ 5	0·1	0·1	0·1	−1·0	33		1		3			23		N 42° E	S 87° W	33	4	37	26	0	0	Roorkee.	
·314	·395	·402	·366	+·050	85	48	35	60	+ 3	0·4	1·1	0·8	−0·7	29	4	1	1	2	1		11	11	N 57° W	N 42° W	32	18	25*	31	0	0	Lahore.	
·308	·364	·248	·302	—·006	75	53	25	55	0	0·2	0·5	0·4	−1·5	12	1						30	17	N 73° W	N 45° W	73	30	34*	24	0	0	Ludhiana.	
·258	·321	·317	·295	+·025	73	45	37	56	0	1·5	2·4	2·0	−0·3	60									None	N 72° E	0	12	1*	48	0	0	Peshawar.	Indus Valley and N.-W. Punjab.
·343	·344	·357§	·343	+·038	73	37	28§	50	+ 1	0·2	0·1	0·2	−1·2	24	4	3	3	1	8	2	4	11	N 62° W	N 18° W	13	10	36*	38	0	0	Jacobabad.	
·519	·624	·693	·627	+·145	78	54	58	69	+11	2·4	2·0	2·2	+1·0		2	6	4	3	2	18	20	5	S 75° W	W	45	18	129*	180	0	0	Kurrachee.	
·240	·269	·242	·251	−·046	51	25	19	36	−11	0·1	0·5	0·3	−1·2	2	13	4	4	1	2	3	8	23	N 34° W	N 24° W	55	35	69	65	0	0	Jaipur.	East Rajputana, Central India and Gujarat.
·314‡	·369	·390	·363		75‡	37	32	51		0	0·3	0·2		29	1	3	13	7	1	1	4	1	S 79° E		25		53*		0	0	Udaipur.	
·303	·308	·294	·297	+·014	65	24	19	37	0	0	0·2	0·1	−1·2		12	13	13	4	1	5	6	6	N 32° E	N 60° E	36	47	162	175	0	0	Deesa.	
·426	·470	·362	·439		71	39	27	50		0	0	0			20	17	12	1			2	8	N 25° E		68		131*		0	0	Jamnagar.	
·454	·456	·412	·445	—·015	81	49	40	58	− 1	2·5	2·4	2·5	−0·7	6	1	10	27	9		2	3	2	N 87° E	N 75° E	58	63	¶ 122	259	1·22	0·95	Belgaum.	Deccan.
·389	·453	·398	·421	—·025	64	43	32	47	− 5	2·6	3·8	3·2	−0·1	2	10	20	9	16	1		1	1	N 77° E	N 78° E	90	65	191*	202	0·34	0·22	Sholapur.	
·353	·451	·373	·401	−·004	69	41	29	49	− 5	1·8	2·4	2·1	+0·5	20	6	19	12	2	1				N 58° E	N 60° E	53	49	55*	84	0·01	0·01	Akola.	
·397	·343	·301	·327	—·045	57	32	27	46	− 8	1·8	2·0	1·9	−0·3	2	14	17	10	6	2	1	2	6	N 40° E	N 63° E	50	51	108*	120	0	0	Buldana.	
·323	·401	·332	·364	—·007	72	39	26	49	− 2	2·0	2·2	2·1	+0·6	22	3	17	11	6				1	N 67° E	N 59° E	48	50	40*	67	0	0	Khandwa.	
·399	·455	·400	·427	−·002	76	47	34	55	− 2	1·1	1·9	1·5	−0·8	11	14	28	6				1		N 36° E	N 54° E	70	59	53*	89	0	0	Nagpur(Sanitary Commr's. Office).	
·488	·497	·479	·499	−·013	84	49	44	62	− 4	2·3	3·3	2·8	−0·8	36		13	11						N 65° E	S 75° E	37	63	58*	84	0·21	0·16	Hyderabad (Deccan).	
·661	·703	·754	·731	+·015	74	65	61	71	− 2	1·4	1·4	1·4	−0·3			11	14	3	1		16	15	N 9° W	N 18° E	27	51	166	230	0	0	Bombay.	West Coast.
·612	·678	·731	·699	−·028	84	67	59	74	− 3	1·6	2·3	2·0	−0·2	32	13	3			1	2	4	4	N 22° W	N 30° W	28	45	95	67	0·21	0·21	Karwar.	

* Corrected. ¶ Mean of 26 days. ‖ Mean of 29½ days.

Table

Abstract of Observations recorded at 10 h. and 16 h., at

Meteorological Province.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure.						Temperature of air.										Temperature, Wet-bulb.			
			Mean of 10 h.	Mean of 16 h.	Mean daily range.	Mean of daily mean pressures.	Departure from normal.	Mean reduced to S. L. and for gravity, 45° Lat.	Mean maximum.	Mean minimum.	Mean daily range.	Highest maximum.	Lowest minimum.	Absolute range.	Mean 10 h.	Mean 16 h.	Mean of daily means.	Departure from normal.	Mean minimum.	Mean 10 h.	Mean 16 h.	Mean of three previous columns.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
South India.	Periyakulam	944	29·050	28·927	·123	28·988		29·874	85·5	69·9	15·6	91·9	64·6	27·3	79·7	81·2	77·7		68·0	72·1	72·7	70·9
	Salem	940	·077	·961	·116	29·024	+·027	·804	87·1	69·9	17·2	93·2	63·8	29·4	81·2	81·8	77·4	+0·6	68·3	74·3	77·0	73·2
	Chitaldroog	2,405	27·619	27·512	·107	27·566	+·022	·893	84·3	63·6	20·7	87·3	59·3	28·0	77·9	80·9	73·0	+0·9	59·6	66·8	65·9	64·1
	Bangalore	3,021	·031	26·923	·108	26·976	+·029	·895	81·1	62·9	18·2	84·9	58·2	26·7	75·1	78·0	71·0	+1·4	61·4	66·3	66·8	64·8
	Hassan	3,091	26·970	·863	·107	·916	+·027	·898	81·5	60·1	21·4	84·4	55·5	28·9	76·4	77·6	69·8	+1·0	59·0	66·8	66·3	64·0
	Mysore	2,518	27·516	27·399	·117	27·457	+·017	·894	83·3	64·9	18·4	86·5	60·1	26·4	76·6	80·4	73·1	+0·8	63·0	67·3	67·4	65·9
	Pudukkottai	318	29·691	29·580	·111	29·636		·888	84·8	72·7	12·1	93·2	69·9	23·3	79·9	81·9	78·8		71·2	75·9	73·9	73·0
	Madras	22	30·005	·906	·099	·957	+·031	·911	85·7	72·5	13·2	90·9	68·7	22·2	82·0	81·3	78·3	+0·4	71·5	76·1	75·7	74·4
	Pellary	1,475	28·516	28·420	·126	28·481	+·022	·902	90·0	66·3	23·7	94·0	61·1	32·9	82·0	85·2	77·3	+2·0	61·5	68·1	66·7	65·4
	Waltair	*226*	29·833	29·722	·111	29·773	+·043	·941	85·0	72·2	12·8	88·6	66·4	22·2	82·6	81·6	77·8	+0·2	65·3	69·6	69·2	68·0
Hill Station, Baluchistan.	Quetta	5,502	24·816	24·735	·082	24·765	+·036	24·725	69·0	35·5	33·5	72·7	30·8	41·9	59·9	63·7	51·8	+3·8	33·2	46·1	47·6	42·3
Hill Stations, Northern India.	Leh	11,503	19·839	19·725	·114	19·780	+·042	19·748	50·9	22·2	28·7	56·6	16·4	40·2	38·9	47·4	34·6	+2·5	19·7	30·1	33·3	27·7
	Srinagar	5,204	25·071	24·947	·124	25·004	+·008	24·975	65·6	31·3	34·3	69·1	25·1	44·0	48·9	63·7	46·5	+2·5	29·7	46·0	59·1	44·9
	Sarain		23·280	23·212	·068	23·236			61·2	36·6	24·6	66·7	32·3	34·4	52·2	49·2	48·4			40·9	41·0	
	Kalabagh								Imperfect,													
	Simla (Ridge)	7,221	23·241	23·184	·057	23·203	+·031	23·164	57·8	46·9	10·9	62·5	42·8	19·7	53·1	53·8	51·9	+1·8	37·8	41·7	43·9	41·1
	Chakrata	7,022	·403	·346	·057	·365	+·024	·325	64·4	44·2†	20·2	69·3	41·2	28·1	58·6	56·0	53·0†	+1·5	40·1	43·7	43·2	45·7
	Muktesar	7,900	22·970	22·901	·069	22·926		22·884	61·8	45·6	16·2	67·0	39·1	27·9	55·1	58·3	53·2		37·9	44·7	47·8	43·5
	Katmandu	4,388	25·732	25·670	·112	25·723	+·025‖	25·677	72·9	47·1	25·8	77·7	40·9	36·8	60·1	69·9	59·5	+1·7‖	45·5	55·0	59·3	53·3
	Darjeeling	7,376	23·122	23·082	·040	23·099	+·016	23·054	57·0	44·3	12·7	64·6	39·8	24·8	53·4	55·2	51·1	+3·3	41·9	50·4	52·5	48·3
Hill Stations, C. India.	Mount Abu	3,945	26·213	26·138 (a)	·075	26·168	+·030	26·118 (a)	71·6 (a)	60·1	14·5	78·4	55·6	22·8	72·2	72·5 (a)	66·8 (a)	+1·6	51·2	56·1	56·7 (b)	54·7
	Pachmarhi	3,528	·005	·508	·097	·550	+·025	·497	75·4	48·9	26·5	78·6	40·3	39·3	71·2	73·4	61·6	−0·2	43·4	56·8	58·1	52·8
	Chikalda	3,642	·481	·388	·093	·428	+·012	·372	77·6	58·7	18·9	80·9	52·1	28·8	72·5	74·3	67·6	+1·1	54·9	59·4	61·0	58·4
Hill Stations, S. India.	Kodaikanal	7,688	22·884	22·811	·073	22·848		22·783	60·8	49·5	11·3	65·5	45·8	19·7	57·7	55·7	55·2		47·1	54·5	53·9	51·8
	Ootacamund	*7,322*	23·094	23·027	·067	23·058		·993	62·8	49·3	13·5	66·5	41·9	24·6	60·3	57·9	55·6		46·7	53·8	53·8	51·4
	Dodabetta	8,539	22·067	22·007	·060	22·034		21·971	55·0	45·9	9·1	58·4	43·4	15·0	53·1	51·7	49·9			49·6	49·5	
Extra India.	Aden	94	29·985	29·882	·103	29·939	+·043	29·912	83·4	74·7	8·7	92·1	70·9	21·2	80·5	81·6	78·1	−0·7	70·8	75·0	75·0	73·6
	Perim	201	·830	·719	·111	·780	+·028	·916	86·1	74·6	11·5	90·1	72·4	17·7	82·6	83·3	79·4	−1·6	70·6	73·4	74·1	72·7
	Minicoy	7	30·001	·940	·061	·976		·909	85·9			87·6			83·4	82·7				77·6	76·7	
	Zanzibar	72	·004	·892	·112	·953	+·034	·952	84·4	76·5	7·9	87·5	72·5	15·0	80·8	83·8	79·5	+0·1	72·8	76·0	76·3	75·0
	Port Victoria (Seychelles)	15	·018	·933	·085	·989	+·047‖	·928	83·2	76·3	6·9	84·5	73·9	10·6	81·3	81·7	78·4	+0·8‖	72·2	76·3	76·2	74·9
	Mauritius (Pamplemouses).	181				·930	+·042	30·059				88·1	61·0	27·1			73·2	−2·0				66·6

N.B.—Elevations in italics indicate barometric determinations. † Mean of 17 days. ‡ Mean of 23 days. § Mean of three previous columns.

NOTE.—The barometric readings are not reduced to sea-level, in the cases of hill or plateau stations, the elevations of which exceed 3,200 feet.
(a) Mean of 27 days. (b) Mean of 26 days.

II—*concluded.*

61 Stations, in India, Burma, etc., for November, 1906—concluded.

Vapour Tension.					Humidity.					Cloud.				Wind Direction.										Wind Steadiness.		Wind Velocity.		Rainfall.		Station.	Meteorological Province
														Total number of 10 h. and 16 h. winds from																	
From minimum.	Mean 10 h.	Mean 16 h.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 h.	Mean 16 h.	Mean of daily means.	Departure from normal.	Mean 10 h.	Mean 16 h.	Mean of two previous columns.	Departure from normal.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Mean wind direction.	Normal mean direction of wind for the month.	Average percentage.	Normal percentage.	Mean velocity in miles per diem.	Normal.	Total rainfall for the month.	Heaviest rainfall during the month.		
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
																									%	%						
·663	·689	·691	·680		90	68	66	75		5·6	7·7	6·7		7	2	3	6	17	8	3	6	8	S 27° E		23		44*		6·50	2·03	Periyakulam.	South India.
·672	·765	·838	·772	+·068	92	71	70	81	+ 3	5·9	6·6	6·3	+0·7	11	2	10	20	2		2	12	1	N 65° E	N 81° E	27	24	97*	74	2·33	0·81	Salem.	
·467	·522	·452	·493	−·013	78	55	43	62	− 3	3·1	3·4	3·3	−1·3	4	3	17	23	6			2	5	N 67° E	N 72° E	62	69	108*	149	0·06	0·05	Chitaldroog.	
·529	·542	·527	·546	+·007	91	62	56	73	− 2	4·5	5·2	4·9			5	25	20	2		2	4	2	N 57° E	N 60° E	65	68	154*	120	0·65	0·39	Bangalore.	
·490	·550	·520	·533	+·009	94	61	55	73	0	5·9	6·5	6·2	+0·1	11	5	27	14		2			1	N 55° E	N 70° E	67	79	41*	72	1·22	1·10	Hassan.	
·555	·558	·511	·554	−·009	90	61	50	70	− 1	5·6	6·4	6·0	−0·4		4	13	26	9	2	1	3	2	N 81° E	N 39° E	62	22	191*	206	0·71	0·51	Mysore.	
·747	·758	·736	·747		93	75	69	79		6·8	7·7	7·3		4	17	29	1		1	1		7	N 21° E		73		195*		7·32	1·97	Pudukkottai.	
·761	·821	·815	·819	+·023	95	76	77	86	+ 2	7·0	6·5	6·8	+0·9		19	25	6	2	3	2	1	2	N 33° E	N 27° E	64	62	143	156	6·47	1·43	Madras.	
·497	·519	·430	·494	−·044	75	48	36	56	− 7	3·0	3·5	3·3	−1·8	7	4	12	24	6		2	3	2	N 75° E	N 82° E	53	54	73*	77	0·51	0·29	Bellary.	
·540	·556	·553	·570	−·072	68	50	51	59	− 8	3·8	4·2	4·0	+0·2		1	33	11	5	4	6			N 69° E	N 77° E	60	52			0·44	0·18	Waltair.	
·170	·171	·164	·158	+·011	81	33	29	52	+ 1	1·3	1·8	1·6	−0·1	52	1		1				4	2	N 61° W	N 51° W	8	40	5*	48	0·13	0·13	Quetta.	Hill Station, Baluchistan.
·088	·099	·072	·086	−·012	74	42	23	48	− 8	1·9	3·8	2·9	−1·3					1	30	25	4		S 24° W	S 27° W	89	37	73	50	0	0	Leh.	
·148	·284	·455	·280	+·047	83	80	76	80§	+ 1	0·8	3·1	2·0	−1·0	26	7	8		6	2	2	3	6	N 8° E	N 1° E	15	21	32*	62	0	0	Srinagar.	
	·141	·173				38	50			0·5	0·7	0·6		30			1		16	10	3		S 21° W		42		67*		0	0	Sarain.	
									Imperfect.																						Kalabagh.	
·137	·148	·185	·157	−·014	43	37	44	45	− 6	0·5	0·9	0·7	−1·6	9	24	2		2	8	5	3	7	N 26° W	N 27° W	32	8	127*	77	0	0	Simla (Ridge).	Hill Stations, Northern India.
·203†	·243	·256	·234	+·038	70†	49	57	63	+ 6	0·7	0·8	0·8	−1·0	13				20	27				S 19° E	S 51° W	72	30	144*	130	0	0	Chakrata.	
·117	·194	·225	·179		49	45	47	51		1·4	2·6	2·0		12	1		1	2	3	3	36	2	S 84° W		62		155*		0	0	Muktesar.	
·288	·380	·389	·352	+·016	88	72	53	75	0	1·5	2·2	1·9	−0·7	1		1	23			2	29	4	N 78° W	N 81° W	17	42	12	14	0	0	Katmandu.	
·245	·340	·371	·319	+·055	83	82	84	87	+ 4	4·2	5·2	4·7	+0·4	18		7		5	3	9	7	11	S 89° W	N 54° W	22	10	55*	65	0·18	0·14	Darjeeling.	
·276	·268	·280 (b)	·275	+·032	53	34	35 (b)	48	+ 3	0	0·6	0·3	−1·1		7	12	5	8	3	4	8	13	N 34° W	N 44° E	22	15	111*	106	0	0	Mount Abu.	
·226	·298	·316 (b)	·280	−·028	64	39	38 (b)	54	− 7	1·5	1·5	1·5	−0·6	4	2	19	11	8				13	N 47° E	N 44° E	50	39	45* (a)	67	0	0	Pachmarhi. (c)	Hill Stations, C. India.
·394	·364	·386	·381	+·028	79	45	45	63	+ 3	1·5	1·9	1·7	−0·5	46	2	1		8	1	1	1		S 45° E	N 6° W	12	21	180* ‡	120	0·71	0·71	Chikalda.	
·309	·398	·399	·369		86	81	90	87		7·2	8·1	7·7		1	19	17	10	3	1			9	N 27° E		65		311		10·93	2·91	Kodaikanal.	
·295	·350	·373	·339		83	67	77	76		5·9	8·1	7·0		2	4	17	28	8	1				N 78° E		78		111*		3·27	0·93	Ootacamund.	Hill Stations, S. India.
	·321	·333				80	86			7·7	9·3	8·5																	3·46	0·62	Dodabetta.	
·704	·798	·785	·780	+·105	82	77	73	79	+11	3·8	2·3	3·1	+0·8		3	43	3	9		2			N 56° E	S 87° E	77	67	401*	310	0	0	Aden.	Extra India.
·700	·705	·724	·728	−·014	81	63	63	71	+ 2	1·4	0·9	1·2	−0·6					29	31				S 22° E	N 89° E	92	74	461*	485	0	0	Perim.	
	·868	·844				76	76			4·3	5·0	4·7			14	15	4	1		5	4	17	N 7° W		55		101*		4·20	1·54	Minicoy.	
·760	·837	·808	·820	−·024	83	80	70	80	− 2	6·0	4·7	5·4	0	2	7	8	9	8	9	12	2	1	S 43° E	S 36° E	22	17	91*	110	7·67	3·28	Zanzibar. (d)	
·742	·846	·833	·832	−·004	82	79	77	82	− 1	6·1	5·6	5·9	−1·0	10		2	14	27	1	1	3	2	S 59° E	S 56° E	59	14	145	127	7·73	2·10	Port Victoria (Seychelles).	
			·549	−·054				67	− 1			5·7	+0·2										S 83° E	S 83° E			209	257	0·65	0·25*	Mauritius. (Pamplemousses)	

* Corrected.

‖ Departures from old normals.

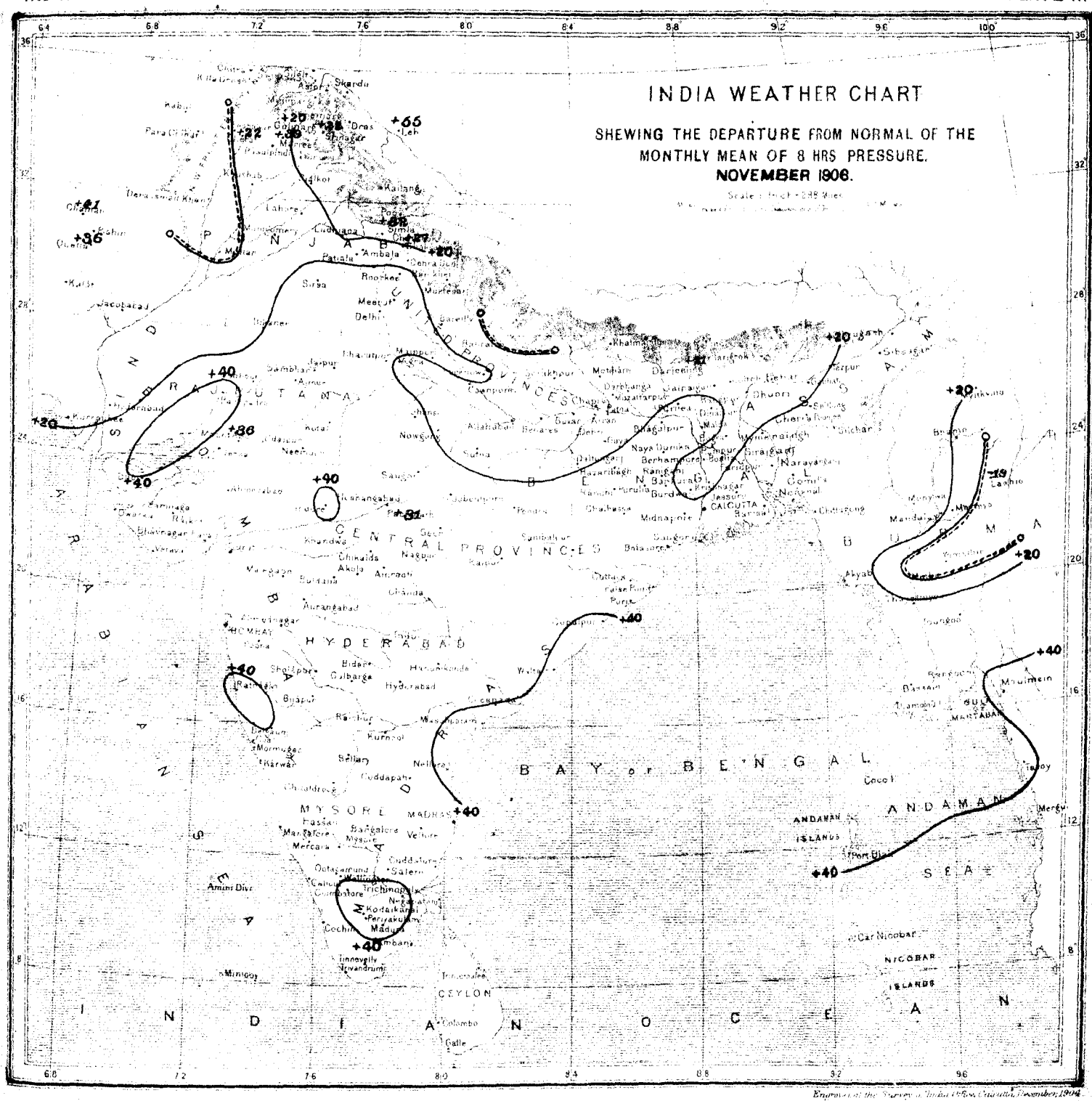
(c) Wind observations 3 less.
(d) „ „ 2 „

I. G. P. O. No. 71 D. G. O.—2-7-07.—385.—A. M.

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

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

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



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

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

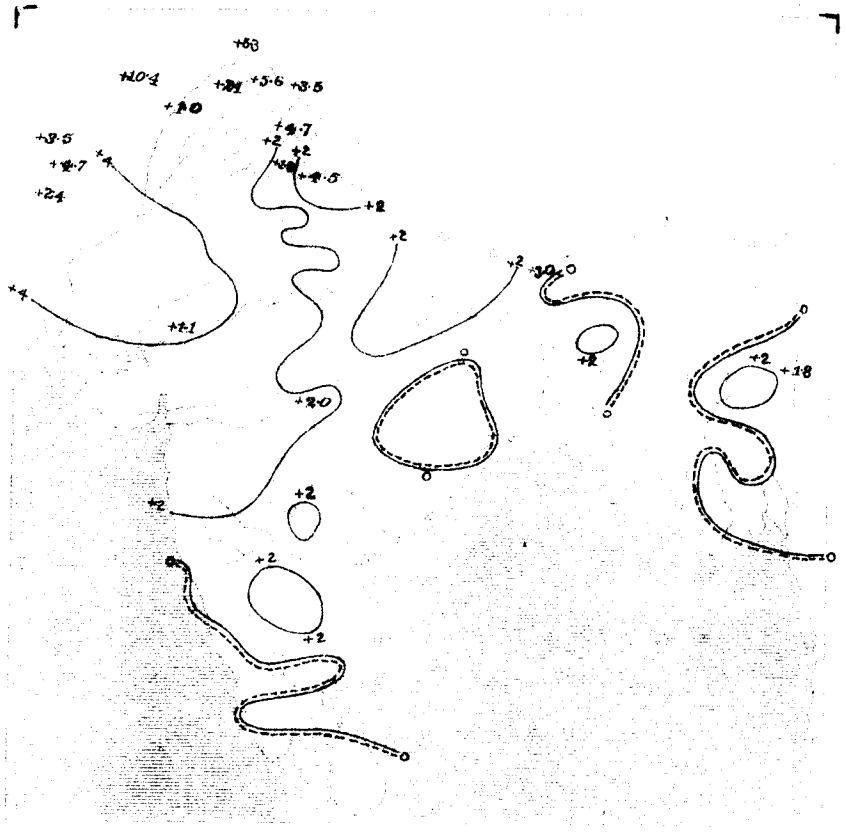


CHART SHEWING THE DEPARTURE FROM NORMAL
OF THE MONTHLY MEAN OF DAILY
MINIMUM TEMPERATURE.

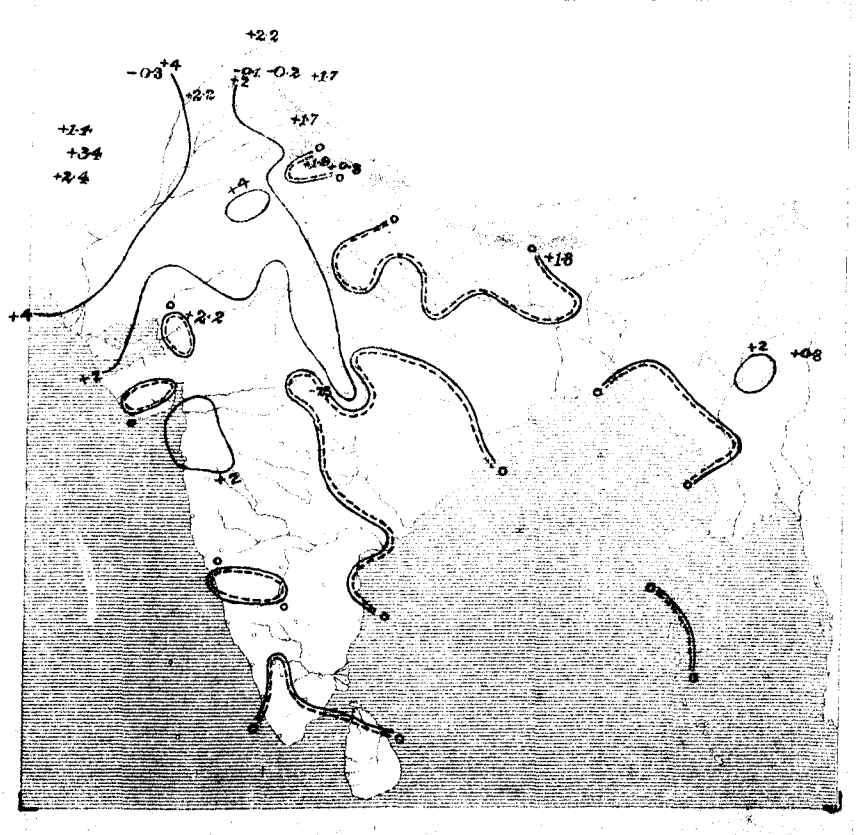


PLATE IV.

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

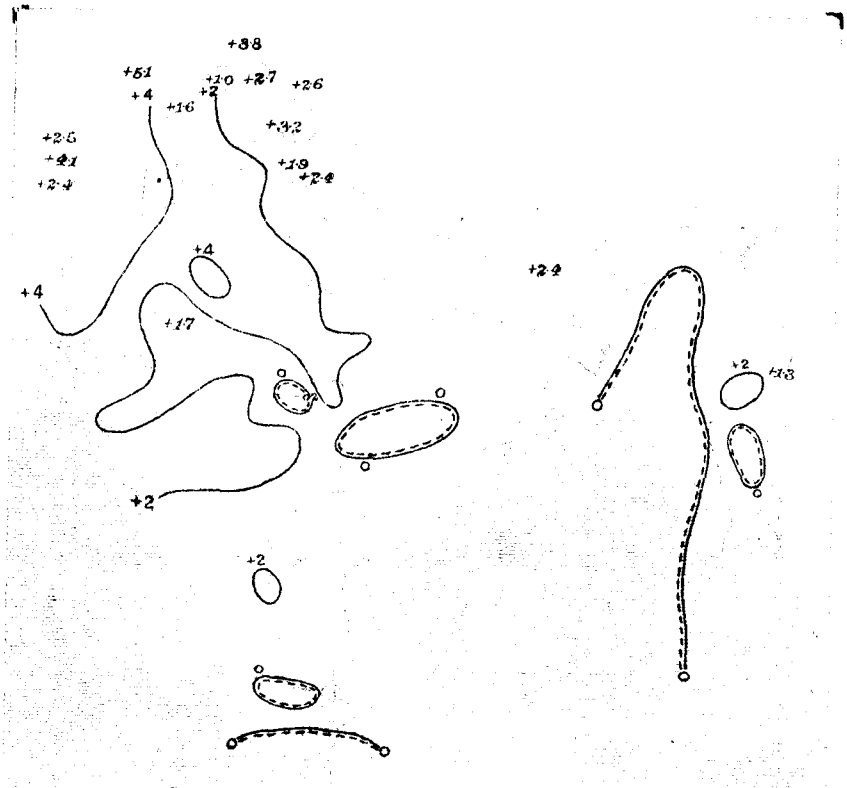
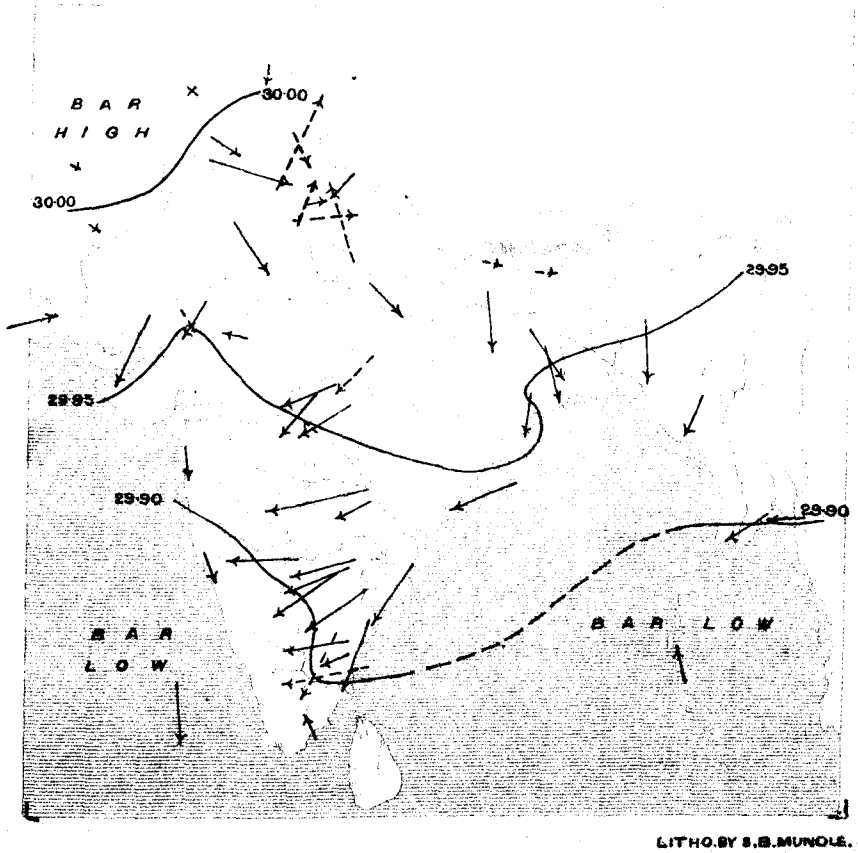


CHART SHEWING THE MONTHLY MEAN OF
PRESSURE AND RESULTANT
WIND DIRECTION.



LITHO. BY S.B. MUNDLE.

PLATE V.

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

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

LITHO. BY S. B. MUNDLE.

PLATE VI.

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

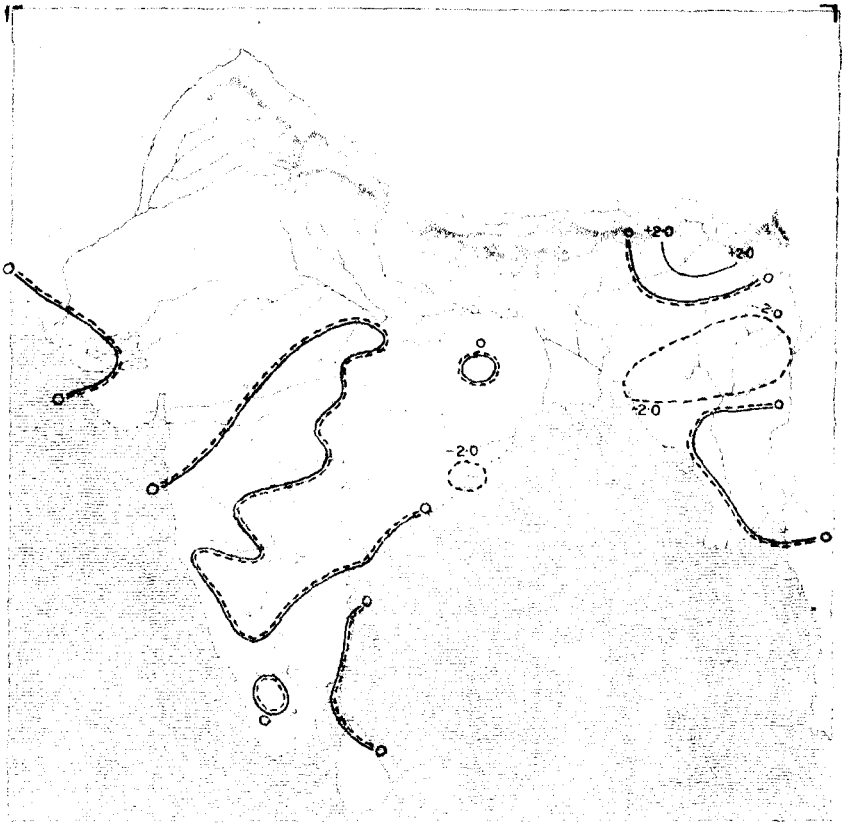
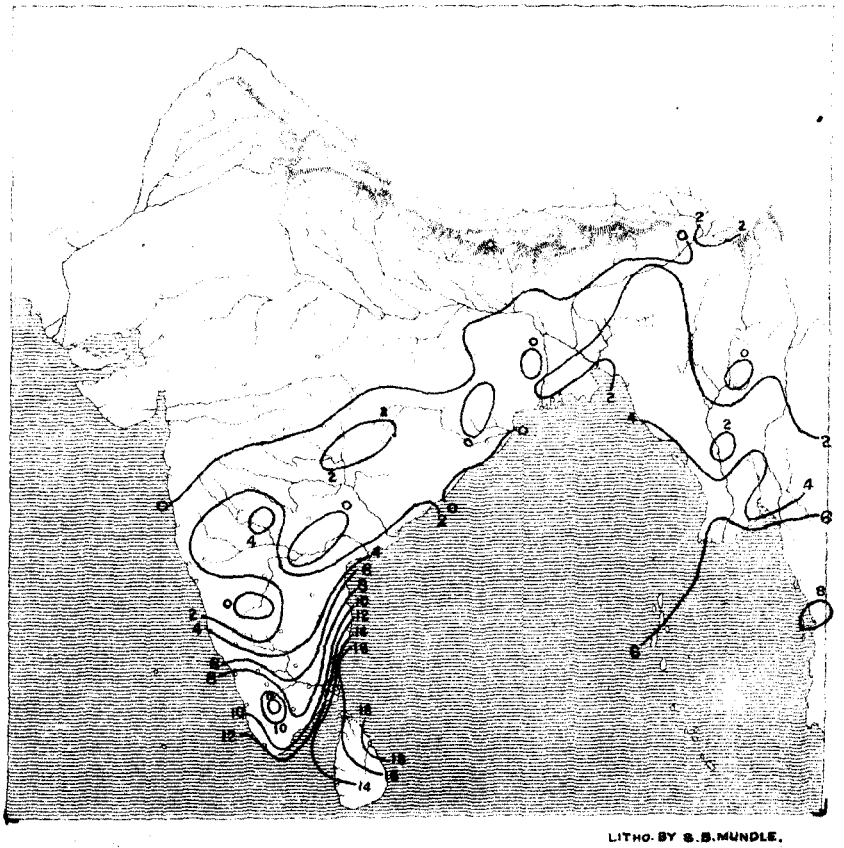
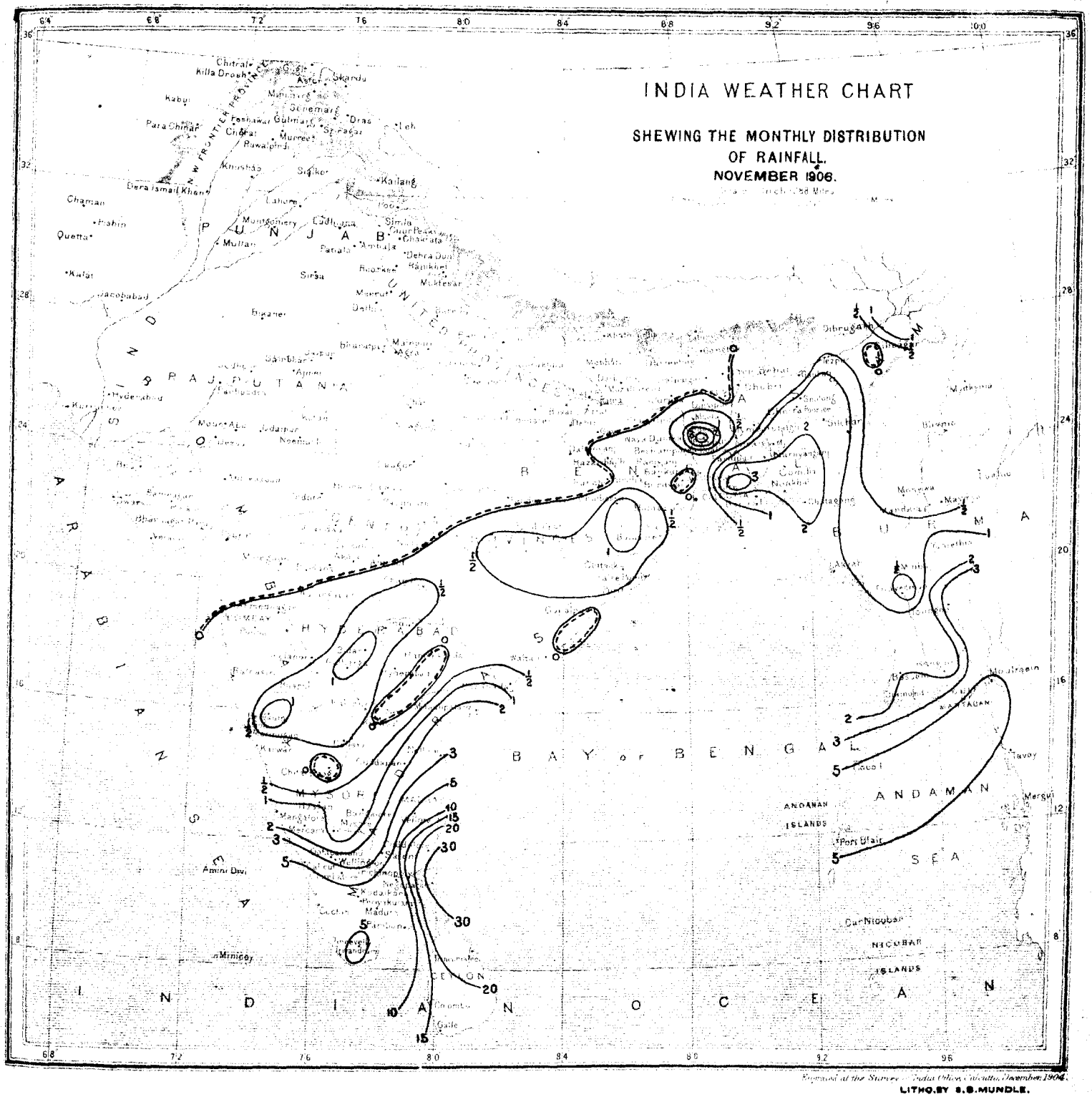


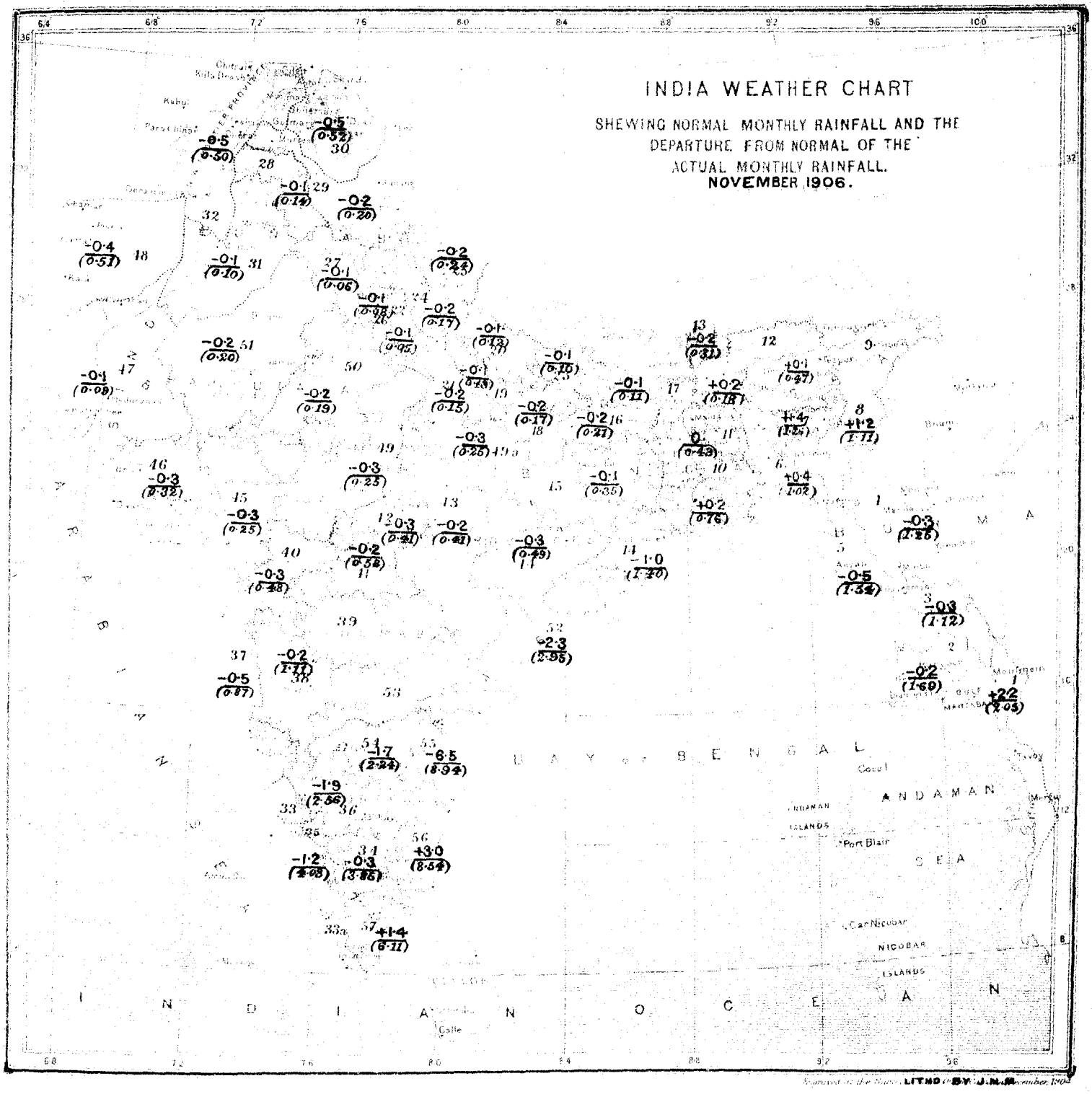
CHART SHEWING THE TOTAL NUMBER OF DAYS IN THE MONTH ON WHICH RAINFALL EQUALLED OR EXCEEDED 0·10 INCH.



LITHO. BY S.S.MUNDLE.



The chart shows the distribution of the rainfall of the month by means of isohyetic lines or lines of equal amounts of rain. The data used in the preparation of this chart are the rainfall returns of all the observatories in India except those at the hill stations over 3,500 feet in elevation (177 in number). The double line or line of no rainfall separates areas in which the rainfall exceeded a tenth of an inch from those where it was actually or practically *nil* (*i.e.* less than a tenth of an inch). The dotted line faces the area of no rainfall.



The country is divided into 57 areas, over each of which the meteorological conditions are fairly uniform, and the staple crops similar in character. The numbers in bracket on the chart give the average over the division of the normal monthly rainfall; the numbers above these give the departure from these normals of the average actual rainfall over the division. The name of the district can be ascertained by referring in the following list to the number given in each district in red figures.

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

GOVERNMENT OF INDIA.

METEOROLOGICAL DEPARTMENT.

MONTHLY WEATHER REVIEW.

PUBLISHED BY ORDER OF

THE GOVERNMENT OF INDIA.

CALCUTTA, DECEMBER 1906.

INTRODUCTION.

THIS review of the weather in India during the month of December 1906, is based on observations taken daily at 8 h. at 237 stations, and on additional observations taken at 10 h. and 16 h. at 61 stations. In the rainfall summary the data furnished by the meteorological observatories, and such rainfall statements of the month as had been published by the Provincial Governments up to the date of the preparation of the review, have been utilized. The brief notes on solar, seismic and magnetic disturbances have been supplied by the chief observatories.

For a statement of the methods adopted in recording and tabulating the data, for each of the elements of observation, reference should be made to the introductory portion of the review for January.

Summary of the chief features of the weather in India during the month of December, 1906.

2. In northern India, with the exception of the Punjab, weather was drier than is usual in December, but in the Peninsula conditions were disturbed, and the rainfall was in many parts in excess of the normal by between 200 and 900 per cent.

Temperature, and especially minimum temperature, was high over the greater part of the country, and humidity was in most places above normal.

Skies were much clouded in the area of rainfall in the Peninsula and also in the N.-W. Frontier Province, and parts of north-east India and of Burma, but elsewhere cloud proportion was lower than usual.

Pressure was low on the average by ·017″, the defect being chiefly noticeable in the Peninsula, and vertical gradients of barometric pressure in the northern parts of the country were less marked than usual.

There were four periods of disturbed weather in the Peninsula, during which the greater part of the rainfall of the month within that area occurred, and in the north of India the conditions accompanying the winter type of depression appeared on four occasions, although on only one of these was the resulting precipitation at all abundant.

Solar, seismic and magnetic disturbances.

KODAIKANAL OBSERVATORY.

3. *Solar Observations.*—The month was an unfavourable one for solar observations as there were 5 days on which no observations could be made and 5 other days on which prominence observations were impossible.

Sunspots.—There was a marked recrudescence of solar activity during the month and no less than 29 new groups were recorded, as against 19 in October and 15 in November. The mean daily number of groups visible increased from 1·8 in October and 2·9 in November to 5·3. There were only three days in the month on which less than 5

groups were recorded. The lowest number was 2 groups, on the 6th, and the highest 8 groups, on the 2nd. The spots showed an increase in size as well as in numbers and group 1010 was visible without a telescope.

The distribution of groups between the two hemispheres continued to be very unequal, 18 groups being in the northern and only 11 in the southern hemisphere. There was no spot in a latitude higher than 19° in the north and 16° in the south.

The most important groups of the month were Nos. 1010, 1014 and 1021. Group No. 1010 was a large regular spot with a divided umbra and a few small companions, which came round the east limb on the 12th. On most days the spectrum of the spot showed reversals of the C line. The disturbance was greatest on the 15th when C, D1, D2, D3, B1, B2, B3, and B4 were all reversed in the spot and D3 was observed dark outside it. The main spot changed very little in form as it crossed the sun's disc, but the small companions varied both in number and in position. Group No. 1014 was first seen as two small dots near the central meridian on the 19th; on the 20th it was only a single small dot. On the 21st the sky was overcast but on the 22nd the spot was found to have developed into a large double-spot group. On the same day C was broken and reversed and D3 was dark close to the spot. The group went round the limb on the 25th without much further change. Group No. 1021 appeared round the limb on the 29th. It consisted of a large regular spot with a number of small companions.

Prominences.—These also showed an increase over the previous month. Thirty one large prominences one minute and upwards in height were recorded and six of these were two minutes in height. The two tallest were about 150″ high. One of these was seen on the 5th at position angle 132°; the other was photographed on the 13th at position angle 186°.

Magnetic disturbances.—There were three great magnetic disturbances during the month; (1) on the 8th from 8^h 15^m to 21^h; (2) from 21^h 50^m on the 16th to 18^h 30^m on the 17th, and (3) from 2^h 30^m on the 22nd to 10^h on the 23rd. On the first of these days a small group of spots was about one day's journey beyond the central meridian. It was a short-lived group seen only on that day. On the second occasion a large group of small spots was actually crossing the central meridian at the time of the disturbance. On the third occasion there were no spots near the central meridian.

C. MICHIE SMITH,

Director,

Kodaikanal and Madras Observatories.

BOMBAY OBSERVATORY.

Note on the Colaba and Alibag records.

4. *Magnetic record.*—During the month the traces showed 9 calm days, 16 days of small, 5 days of moderate and 1 day of great disturbance.

The days selected as quiet for the purposes of the magnetic survey of India are the 4th, 5th, 13th, 25th and 31st.

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

Declination	1° 3′ 52″ east.
Horizontal force	0·36872 C. G. S. unit.
Dip	23° 11′.0
Horizontal froce range	0·00030 C. G. S. unit.
Horizontal force, summed range	0·00194 " "
Declination range	1′.21
Declination summed range	7′.30

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

MAGNETIC DISTURBANCES.

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

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

Seismic record.—Five seismic disburbances were recorded during the month, one on the 19th, one on 22nd, two on 23rd, and one on 26th: that recorded on the 22nd being the largest with an amplitude of 9.0 mm.

Date.	G. M. T. of Commencement.		G. M. T. of Max.		G. M. T. of End.		Max. Amplitude.	Duration.	
	H.	M.	H.	M.	H.	M.	mm.	H.	M.
19	1	44·3	2	30·2	4	8·7	1·9	2	24·4
22	18	26·9	18	39·1	20	57·0	9·0	2	30·1
23	7	40·6	8	0·6	8	43·2	0·6	1	2·6
"	17	45·2	18	22·7	20	14·8	4·0	2	29·6
26	6	13·6	7	18·8	7	57·7	1·0	1	44·1

N. A. F. MOOS,

Director, Bombay Observatory.

CALCUTTA OBSERVATORY.

5. *List of displacements recorded by the Milne seismograph at the Alipore Observatory, during December 1906.*

Date 1906.	P. T. Commencement. G.M.T.	L. W. Commencement. G.M.T.	Maximum. G.M.T.	End. G.M.T.	Duration.	Maximum displacement on trace from mean position mm.	REMARKS.
	H. M.	H. M.	H. M.	H. M.	H. M.		
December 6	12 9·3	...	...	12 9·8	0 0·5	...	Thickening of line.
,, ,,	12 14·8	...	12 14·8	12 15·4	0 0·6	6·00 *	*Measured from the base line.
,, 9	19 6·7	...	19 9·3	19 16·4	0 9·7	0·50	
,, 13	13 10·3	...	13 12·3	13 20·4	0 10·1	0·50	
,, 19	8 52·0	...	...	8 55·0	0 3·0 *	... *	Thickening of line.
(1) ,, 22	17 40·8	...	17 48·9	20 14·3	2 33·5	14·00	*Measured from the base line.
,, 23	17 31·1	18 2·1	18 12·3	20 17·9	2 46·8	5·50	

(1) As the watch was out of order, the times of commencement etc., are only approximate.

C. W. PEAKE,
Meteorologist, Calcutta.

SIMLA OBSERVATORY.

6. *List of earthquakes recorded by the Omori-Ewing seismograph; the magnification was 12 during the month.*

Day.	Beginning 1st P. T.	Beginning 2nd P. T.	Beginning L. W.	Time maximum amplitude.	Approximate end	Duration.	Maximum displacement of style from mean position mm.
G. M. T.	G.M.T.	G.M.T.	G.M.T.	G.M.T.	G.M.T.		
	H. M.	H. M.	H. M.	H. M.	H. M.	M.	
December. 3rd	7 46·9	...	...	...	7 49·4	2·5	0·1
12th	2 40·2	...	...	...	2 42·9	2·7	0·1
17th	23 31·5	...	..	...	23 31·5	0·1	0·1
18th	9 6·9	...	...	...	9 8·2	1·3	0·2
21st	6 3·9	...	...	...	6 5·6	1·7	0·1
22nd	18 24·3	18 26·7	18 30·1	18 30·7	?	?	Large: style touched stops.
23rd	17 33·5	17 43·5	18 11·8	18 14·7	18 16·5	43·0	5·5
29th	2 12·3	...	...	...	2 16·2	3·9	Slight.

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ROYAL ALFRED OBSERVATORY, MAURITIUS.

7. *Solar observations.*—No observations were taken on the 16th, 20th, 21st, 25th, 28th and 29th but on all other days faculæ and sunspots were recorded. The groups of spots were numerous throughout the month.

Magnetic disturbances.

Day.	Time.	Disturbance.
8	9h. to 14h.	Triple crested wave in H. F. (+60) with superposed fluctuations (±15); small fluctuations followed till 9d. 4h. Fluctuations in dec. from 8d. 7h. to 10h.
9 to 10	23½h. to 1h.	Wave in H. F. (+20).
11	1h. to 1½h.	Wave in H. F. (+7).
15	2h. 12m to 14h	Increase in H. F. (10) followed by small fluctuations till 4h.
15	10h. to 18h.	Wave in H. F. (+47).
16	10½h. to 2½h.	Double crested wave in H. F. (+17).
16	20h. 30m.*	Increase in H. F. (41) followed by small rapid fluctuations till 18d. 1h. with double wave.
16 to 17	22½h. 0h.	(−20 to + 10) and wave 17d. 2h. to 4h. (−30).
16	23h. to 23½h.	Wave in dec. (+3″·5).
18	23½h. to 24h.	Wave in H. F. (+6).
22 to 23	1h. to 8h.	Nature not reported.
24	21h.	Wave in H. F. (+15).
26	19½h. to 21½h.	Two successive waves in H. F. (+9 and +14), the first steep at commencement. Small rapid fluctuations followed till 27d. 4h.
28	9h. to 12h.	Wave in H. F. (+20) followed by small rapid fluctuations till 18h. 10m. when a rapid decrease (12) occurred

The measurements of horizontal force (H. F.) are given in C. G. S. measure (unit = ·00001).

Weather in the Indian monsoon region.

8. Barometric pressure in the Indian Ocean was almost as high in this as in the previous month. Wind direction was nearly normal except at Zanzibar where it was much more easterly than usual: the velocity was considerably below normal at Mauritius and Zanzibar, and nearly normal at the Seychelles.

The rainfall of the month was in excess at Zanzibar by 136 per cent., while at the two other stations there was a defect of about ten per cent.:—

December.	Mauritius.	Zanzibar.	Seychelles.
	"	"	"
Departure of mean pressure from normal.	+·036	+·019	+·020
Actual mean wind direction . .	S 83° E	N 54° E	N 44° W
Normal mean wind direction . .	N 89° E	N 35° E	N 44° W
Actual mean wind velocity (miles per diem).	239	98	146
Normal mean wind velocity (miles per diem).	259	151	150
Rainfall departure	—0·58	+7·41	—1·46
Normal rainfall	4·91	5·43	14·95

Depressions and cyclonic storms.

9. Eight disturbances affected the weather in India during the month; four of the winter type in northern India and four in the Peninsula. In addition to these a disturbance of a somewhat unusual character passed from Gujarat to Bengal at the latter end of the month.

Of the four depressions of the winter type occurring in northern India one only, between the 16th and 20th, was marked by any considerable precipitation within the Indian area; the remaining three were evidenced chiefly by unsettled conditions, and by some light precipitation in the extreme north.

(*a*) The earliest of the month was already in process of formation in Persia at the latter end of November, and by the 1st December was crossing the boundary of Baluchistan and Sind. It had disappeared by the morning of the 3rd, after giving light precipitation in Baluchistan and the hills of the extreme north. Its greatest depth as it entered India was about $\frac{1}{10}''$, and it was accompanied by a slight temperature wave of the normal winter type.

(*b*) Simultaneously with the disappearance of this depression another became visible in Persia on the 3rd, and during the next two days caused a good deal of cloudy weather in north-west India. It showed itself, however, to be of little barometric depth, and it was not until the 6th, when the disturbance had practically disappeared and some light snow fell in Kashmir, that any precipitation resulted.

(*c*) A fall of pressure was noticeable in Persia on the 8th and had become more marked by the 9th and thereafter for two days conditions in that region remained slightly unsettled. On the 12th weather in Kashmir was being influenced by a depression which may have been the outcome of these Persian conditions; it is probable that its centre lay well to the north of reporting stations. By the morning of the 13th conditions had become generally settled: no rainfall had been caused, and but very little snow had fallen in Kashmir.

(*d*) The early stages of the fourth depression, the most active of the month in northern India, were first indicated on the 16th by a fall of the barometer in Baluchistan and the north-west of India. By the 17th a definite depression had formed with a central depth of a quarter of an inch, and on the next morning was situated in north-west India and had given rain in the Frontier Province, the west Punjab and the west of Rajputana. During that day its central area travelled eastwards by 350 miles and nearly general rainfal resulted in the Punjab, east Rajputana and the west of the United Provinces; the storm was by then, however, becoming shallower and had disappeared by the 20th. Some snowfall was recorded in Kashmir between the 19th and the 21st. A distinct wave of high temperature accompanied the depression, which differed in some respects from those of the normal cold-weather type. So far as can be judged from the available data, it appears to have formed and drifted at a much lower level in the atmosphere than usual, and as a consequence to have given the major part of its precipitation in the plains.

(*e*) The disturbance which passed between the 28th and 30th from Gujarat to Bengal was of a very slight and unusual character; it gave light rain at some stations in the Central Provinces and the adjacent districts of Bengal.

The four disturbances which gave rainy weather in the Peninsula occurred between the 5th and 7th, the 14th and 15th, the 18th and 19th, and the 25th and 28th.

(*f*) Of these the first arose on the 5th as a deepening of the low pressure area which is a normal feature in the south of the Bay during December. On the 6th a definite depression lay off the north-east of Ceylon, but had disappeared by the following morning. Heavy rainfall was reported from the coast districts of Madras and some light rain fell in the interior; the wet weather, which outlasted the depression by several days, ceased during the 11th.

(*g*) The disturbance of the 14th and 15th was very slightly marked by the barometer, but a good deal of rainfall occurred on the coast-line of Madras to the south of Gopalpur.

(*h*) A depression appeared off the Madras coast on the 18th and passed inland to the southern districts of the

Deccan during the day. It was of a feeble character, but it initiated a period of rainfall in the south of the Peninsula which lasted until the 22nd.

(*i*) The last of the disturbances in the Peninsula, from the 25th to the 28th, was associated with a slight cold wave as the centre of the depression passed into Madras. Unsettled conditions had appeared to the west of the Andaman Islands on the 25th and were moving westwards during the next day: a definite depression had formed by the morning of the 27th and on the following day the centre appeared inland, and the depression had assumed a much reduced condition. Rainfall occurred over the greater part of the south of the Peninsula between the 27th and the end of the month.

Pressure.

10. The mean 8h. pressure of the month, averaged over the whole Indian land area, was ·017″ below the normal. There had thus been a rapid readjustment of the pressure conditions since November when the geographical mean was ·027″ above the normal of that month.

Pressure was only slightly in defect over the greater part of northern India, the chief deficiency of the whole Indian area lying in the Peninsula, with its greatest value in the Carnatic. At Cuddalore it was ·062″ below normal.

In the hills departures were similar to those in the plains, and vertical gradients were closely coincident with usual values.

HILL STATION.	Departure from normal pressure.	PLAIN STATION.	Departure from normal pressure.	Departure of pressure difference.
	″		″	″
Quetta	+·007	Jacobabad	+·001	—·006
Leh	+·022	Lahore	—·016	—·038
Simla	—·003	Ludhiana	—·002	+·001
Murree	+·008	Peshawar	—·021	—·029
Chakrata	+·003	Roorkee	+.005	+·002
Darjeeling	+·004	Dhubri	—·018	—·022
Mount Abu	—·006	Deesa	—.016	—·010
Pachmarhi	—·014	Khandwa	—·019	—·005
Lashio	—·033	Bhamo	?	?

Meteorological Province.	Departure from normal of mean 8 h. pressure.
	″
Burma Coast and Bay Islands	—·014
Burma, Inland	—·024
Assam	—·012
Bengal and Orissa	—·007
Gangetic Plain and Chota Nagpur	—·006
Upper Sub-Himalayas	—·005
Indus Valley and North-West Rajputana	—·016
East Rajputana, Central India and Gujarat	—·011
Deccan	—·020
West Coast	—·023
South India	—·035

Temperature.

11. Mean temperature was everywhere, with a few unimportant local exceptions, slightly in excess of the normal. Departures were small in amount, but reached values between 2° and 4° in the Punjab, Sind, Berar, Khandesh, Baghelkhand and the neighbouring districts, and at a few stations in Bengal and Burma. Over northern India, and in Burma generally, both day and night temperatures were above normal, the latter to a greater extent than the former. In the Peninsula day temperature was in defect in the east, south and south-west, while night temperature was above normal throughout.

In Baluchistan and the hill districts of upper India weather was warmer than usual throughout the 24 hours. The excess increased with elevation, and was greatest at the level of Leh where it amounted to 3·9°.

During the first eleven days of the month temperature conditions differed little from the normal, except in north-west India where weather was unusually warm. The area of high temperature in the north-west extended rapidly on the 12th, and embraced nearly the whole of northern India for the next six days. A wave of moderate intensity appeared in the north-west on the 19th, in connection with the depression which was prevalent then, and advanced slowly eastward to the confines of Bengal during the next eight days, causing throughout its path a rapid reduction of temperature. Its effect had passed away almost completely by the 28th and during the next three days temperature rose again above normal.

As is usually the case during the winter months, conditions in the Peninsula were unaffected by the passage of the cold wave to the north: temperature rose, indeed, over the northern half of that division on the 19th, and was much above the normal until the 25th or 26th, but thereafter a reduction occurred and conditions became more nearly normal.

Province.	Division.	Actual temperature.					Departure from normal of month of		
		Mean maximum.	Mean minimum.	Monthly mean of mean between maximum and minimum.	Mean daily range of temperature	Absolute range during month.	Maximum.	Minimum.	Daily range.
		°	°	°	°	°	°	°	°
Burma	Tenasserim	87·0	72·6	79·8	14·3	22·8	+ 1·3	+ 1·8	— 0·5
	Lower Burma Deltaic	86·5	70·8	78·7	15·7	23·4	+ 1·3	+ 2·6	— 1·3
	Central do.	85·4	63·1	74·3	22·3	32·7	+ 1·1	+ 2·9	— 1·8
	Upper do.	81·4	58·4	70·0	23·1	33·0	+ 0·2	+ 2·9	— 2·7
	Arakan	80·9	66·2	73·5	14·7	25·3	− 0·8	+ 2·2	— 3·0
Bengal and Assam	Eastern Bengal	79·1	57·4	68·3	21·6	30·6	+ 1·9	+ 1·8	+ 0·1
	Assam Surma	81·0	54·9	68·0	26·1	35·0	+ 1·3	—0·1	+ 1·4
	Do. Hills	63·5	43·0	53·3	20·5	29·3	...	...	...
	Do. Brahmaputra	74·7	51·7	63·2	23·0	30·9	+ 0·7	—0·6	+ 1·3
	Deltaic Bengal	79·0	57·7	68·4	21·3	32·5	+ 1·7	+ 1·7	0
	Central do.	77·5	55·2	66·4	22·3	32·0	+ 0·8	+ 2·0	— 1·2
	North do.	77·3	53·3	65·3	24·0	32·5	+ 1·1	+ 1·0	+ 0·1
	Bengal Hills	51·5	31·0	41·3	20·6	32·9	+ 3·2	+ 1·1	+ 2·1
	Orissa	80·0	60·9	70·5	19·1	29·5	—0·3	+ 3·7	− 4·0
	Chota Nagpur	76·6	52·5	64·6	24·1	36·2	+ 0·4	+ 2·2	— 1·8
	South Bihar	77·2	53·3	65·2	24·0	36·1	+ 1·3	+ 1·5	— 0·2
	North do.	76·6	50·8	63·7	25·8	36·7	+ 1·7	—1·1	+ 2·8
United Provinces of Agra and Oudh.	United Provinces (East)	77·0	48·9	62·9	28·1	41·4	+ 1·6	+ 0·9	+ 0·7
	South Oudh	76·8	48·2	62·5	28·6	40·9	+ 1·1	+ 2·0	− 0·9
	North do.	76·1	49·6	62·9	26·5	40·5	+ 1·1	+ 1·6	− 0·5
	United Provinces (Central)	77·7	51·1	64·4	26·6	40·8	+ 1·1	+ 2·2	— 1·1
	Do. do. (West)	74·0	49·6	61·8	24·4	40·5	−0·6	+ 2·8	— 3·4
	Do. do. (East Submontane)	75·8	50·1	63·0	25·7	36·0	+ 1·6	−0·3	+ 1·9
	Do. do. (West Submontane)	71·7	47·0	59·3	24·7	37·7	+ 0·4	+ 1·9	— 1·5
	Do. do (Hills)	56·9	40·3	48·6	16·6	37·6	+ 2·6	+ 0·6	+ 2·0
Punjab	Punjab (South-East)	74·1	51·1	62·6	23·0	42·0	+ 0·4	+ 2·2	— 1·8
	Do. (South)	73·3	46·8	60·1	26·6	44·6	−0·3	+ 4·1	— 4·4
	Do. (Central)	74·8	44·9	59·9	29·9	48·8	+ 1·6	+ 4·6	— 3·0
	Do. (Submontane)	70·6	45·3	58·0	25·2	40·8	+ 0·4	+ 3·6	— 3·2
	Do. (Hills)	47·1	28·6	37·9	18·4	40·2	+ 3·2	+ 1·9	+ 1·3
	Do. (West)	75·3	47·3	61·3	28·0	46·6	+ 2·5	+ 4·2	— 1·7
N.-W. F. Province	North-West Frontier Province	71·0	45·5	58·3	25·5	45·1	+ 1·0	+ 6·0	− 5·0
Bombay and Malabar Coast Districts (Madras).	Malabar	86·3	72·9	79·6	13·4	21·2	−0·9	+ 1·2	— 2·1
	Madras (South Central)	84·9	67·5	76·2	17·4	32·8	−0·9	+ 1·8	— 2·7
	Coorg	76·0	59·6	67·8	16·4	26·4	+ 0·8	+ 1·8	− 1·0
	Mysore	80·6	61·2	70·9	19·4	32·7	+ 0·5	+ 2·5	− 2·0
	Konkan	87·1	70·1	78·6	17·0	26·4	0	+ 1·5	— 1·5
	Bombay Deccan	84·7	58·5	71·7	26·2	36·8	+ 0·9	+ 2·2	— 1·3
	Hyderabad (North)	83·0	58·1	70·5	24·9	34·7	...	...	...
	Khandesh	85·3	54·4	69·9	30·9	43·5	+ 1·7	+ 3·0	— 1·3
Central Provinces and Berar.	Berar	84·5	57·4	70·9	27·1	39·2	+ 1·3	+ 3·3	— 2·0
	Central Provinces (West)	82·5	53·3	67·9	29·1	40·6	+ 1·3	+ 1·3	0
	Do. do. (Central)	79·5	52·9	66·2	26·6	38·6	+ 1·0	+ 3·0	− 2·0
	Do. do. (East)	78·2	54·9	66·6	23·3	35·0	—0·1	+ 2·4	— 2·5
Bombay (North)	Gujarat	87·7	57·3	72·5	30·4	38·6	+ 1·4	+ 0·4	+ 1·0
	Kathiawar and Cutch	84·6	58·3	71·5	26·3	40·0	+ 1·1	+ 1·5	− 0·4
	Sind	82·2	54·2	68·2	28·0	44·4	+ 3·5	+ 3·4	+ 0·1
	Baluchistan Hills	61·6	32·4	47·0	29·2	50·4	+ 3·9	+ 2·1	+ 1·8
Rajputana and Central India.	Central India (East)	78·2	49·2	63·8	29·0	42·1	+ 1·2	+ 1·2	0
	Rajputana do.	78·9	50·2	64·6	28·7	43·0	+ 1·8	+ 1·5	+ 0·3
	Do. (West)	79·9	51·3	65·6	28·7	45·0	+ 1·1	+ 1·1	0
Madras	East Coast (North)	80·5	68·1	74·3	12·4	22·7	—0·5	+ 3·4	— 3·9
	Hyderabad (South)	83·5	62·5	73·1	21·0	32·7	−0·3	+ 2·8	− 3·1
	Madras (Central)	86·2	65·2	75·7	21·0	35·7	−0·2	+ 3·5	— 3·7
	East Coast (Central)	82·5	69·2	75·9	13·3	24·3	−1·4	+ 1·8	— 3·2
	Do. (South)	83·1	70·6	76·9	12·5	24·7	−0·2	+ 1·7	− 1·9
	Madras (South)	85·1	71·7	78·1	13·4	25·3	+ 0·7	+ 0·4	+ 0·3

Meteorological Province.	Departure from normal of		
	Mean maximum temperature.	Mean minimum temperature.	Mean temperature.
	°	°	°
Burma Coast and Bay Islands	+1·0	+2·2	+1·6
Burma Inland	+0·5	+2·9	+1·7
Assam	+0·9	—0·4	+0·2
Bengal and Orissa	+1·1	+2·0	+1·6
Gangetic Plain and Chota Nagpur	+1·1	+1·2	+1·2
Upper Sub-Himalayas	+0·4	+3·0	+1·7
Indus Valley and North-West Rajputana.	+2·2	+3·7	+3·0
East Rajputana, Central India and Gujarat.	+1·1	+1·4	+1·3
Deccan	+0·9	+2·5	+1·7
West Coast	—0·4	+1·4	+0·5
South India	—0·1	+2·1	+1·0

Winds.

12. The air movement in the plains of India was generally feebler than usual, and varied very irregularly from the normal both in direction and degree of steadiness.

In the hill districts of northern and central India the winds, although less vigorous than usual, were very steady in direction.

Humidity and cloud.

13. Both relative and absolute humidities were above normal except in Assam and Kathiawar, and the districts adjacent to those areas The greatest excess occurred in the Punjab, where it amounted to a maximum at Montgomery of ·127″ of vapour pressure, or 23 per cent. of relative humidity.

The proportion of cloud was high in the north-east of Assam, in central Burma, Bengal and practically the whole of the Peninsula, with a maximum excess in north Madras where, at Waltair, it reached 4·5, and at Cocanada 4·0. In parts of Sind and Rajputana a conspicuous defect occurred.

Meteorological Province.	Mean absolute humidity.		Mean relative humidity.		Mean cloud amount.	
	Average actual.	Departure from normal.	Average actual.	Departure from normal.	Average actual.	Departure from normal.
	″	″	%	%		
Burma Coast and Bay Islands.	·751	+·018	75	—2	4·3	+0·9
Bengal and Orissa	·515	+·023	72	—2	4·2	+1·9
Gangetic Plain and Chota Nagpur.	·346	+·041	65	+4	1·3	—0·5
Upper Sub-Himalayas.	·322	+·048	68	+5	2·1	—0·8
Indus Valley and North-west Rajputana.	·324	+·039	58	+3	1·7	—0·9
East Rajputana, Central India and Gujarat.	·269	+·011	46	+1	1·2	—1·0
Deccan	·393	+·035	56	+3	3·5	+1·2
West Coast	·634	+·001	70	—2	1·6	—0·1
South India	·583	+·049	72	+5	6·2	+2·0

Rainfall.

14. Practically no rain fell during the month in Burma and northern India with the exception of the Punjab, but, since the normal fall of December is less than half an inch over these areas, the actual deficiency was not large in amount. In the Punjab there was an excess of 69 per cent.

In the Peninsula, on the other hand, the month's rainfall was unusually abundant, in some parts ranging between three and ten times the normal quantity.

Rainfall occurred in Baluchistan and upper India mainly between the 18th and 21st; in the Peninsula from the 5th to the 11th, on the 14th and 15th, from the 18th to the 22nd, and from the 27th to the end of the month. Some remarkably heavy falls were recorded in the coast districts of Madras, the most noteworthy being 12·59″ at Vinukonda and 11·17″ at Darsi on the 20th.

Province.	Division.	Number of rainy days.		Rainfall.			
		Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure.
				Inches.	Inches.	Inches.	Per cent.
Burma	Tenasserim	0·3	0·3	0·08	0·11	−0·03	− 27
	Lower Burma Deltaic	0	0·3	0	0·08	−0·08	−100
	Central do.	0	0·4	0·01	0·14	−0·13	−93
	Upper do.	0	0·7	0·01	0·36	−0·35	−97
	Arakan	0·3	0·5	0·07	0·39	−0·32	−82
Bengal and Assam	Eastern Bengal	0	0·3	0·01	0·25	− 0·24	−96
	Assam Surma	0	0·5	0	0·35	− 0·35	−100
	Do. Hills	0·2	1·1	0·12	0·49	− 0·37	−76
	Do. Brahmaputra	0	1·1	0·01	0·46	− 0·45	−98
	Deltaic Bengal	0	0·3	0	0·15	− 0·15	−100
	Central do.	0	0·2	0	0·09	− 0·09	−100
	North do.	0	0·3	0·01	0·12	− 0·11	−92
	Bengal Hills	0	0·6	0·01	0·21	− 0·20	−95
	Orissa	0·8	0·4	0·25	0·23	+ 0·02	+ 9
	Chota Nagpur	0·2	0·3	0·06	0·20	− 0·14	−70
	South Bihar	0	0·3	0	0·17	− 0·17	−100
	North do.	0	0·3	0	0·09	− 0·09	−100
United Provinces of Agra and Oudh.	United Provinces (East)		0·4	0	0·22	− 0·22	−100
	South Oudh	0	0·6	0	0·33	− 0·33	−100
	North do.	0	0·6	0	0·31	− 0·31	−100
	United Provinces (Central)	0	0·7	0·01	0·34	− 0·33	−97
	Do. (West)	0·5	0·9	0·31	0·36	− 0·05	−14
	Do. (East Submontane)	0	0·4	0	0·15	− 0·15	−100
	Do. (West do.)	0·7	1·1	0·41	0·55	− 0·14	−25
	Do. (Hills)	0·9	1·4	0·51	0·82	− 0·31	−38
Punjab	South-East Punjab	0·6	0·8	0·24	0·40	− 0·16	−40
	South do.	0·8	0·8	0·26	0·36	− 0·10	−28
	Central do.	1·3	0·8	0·65	0·46	+ 0·19	+41
	Punjab Submontane	1·9	1·1	1·31	0·71	+ 0·60	+85
	Do. Hills	2·0	1·9	1·03	1·37	− 0·34	−25
	West Punjab	0·7	0·5	0·39	0·22	+ 0·17	+77
North-West Frontier Province.	North-West Frontier Province	2·8	1·1	1·72	0·55	+ 1·17	+213
Bombay and Malabar Coast Districts (Madras).	Malabar	2·7	1·7	2·36	1·16	+ 1·20	+ 103
	Travancore	5·5	...	3·97	...	...	...
	Madras (South Central)	4·7	2·7	2·43	1·54	+ 0·89	+58
	Coorg	3·4	...	1·61	...	...	...
	Mysore	3·5	1·1	2·23	0·59	+ 1·64	+278
	Konkan	0·5	0·2	0·61	0·07	+ 0·54	+771
	Bombay Deccan	1·7	0·4	1·42	0·23	+ 1·19	+517
	Hyderabad (North)	1·3	0·7	0·86	0·41	+ 0·45	+110
	Khandesh	0·7	0·4	0·25	0·22	+ 0·03	+14
Central Provinces and Berar.	Berar	2·0	0·4	0·86	0·29	+ 0·57	+197
	Central Provinces (West)	0·8	0·6	0·53	0·39	+ 0·14	+36
	Do. (Central)	0·7	0·5	0·36	0·30	+ 0·06	+20
	Do. (East)	0·7	0·4	0·41	0·21	+ 0·20	+95
Bombay (North)	Gujarat	0	0·1	0	0·04	−0·04	−100
	Kathiawar and Cutch	0·1	0·2	0·02	0·06	−0·04	−67
	Sind	0	0·3	0	0·11	−0·11	−100
	Baluchistan Hills	0·5	2·3	0·12	0·96	−0·84	−88
Rajputana and Central India.	Central India (East)	0	0·9	0	0·39	−0·39	−100
	Rajputana (East), Central India (West).	0·5	0·9	0·13	0·40	−0·27	−68
	Rajputana (West)	0·3	0·4	0·07	0·15	−0·08	−53
Madras	East Coast (North)	4·0	0·7	2·96	0·55	+ 2·41	+438
	Hyderabad (South)	3·3	0·3	2·14	0·18	+ 1·96	+ 1089
	Madras (Central)	5·6	0·7	3·95	0·46	+ 3·49	+759
	East Coast (Central)	11·1	2·9	14·42	2·96	+ 11·46	+387
	East Coast (South)	8·6	5·5	8·71	5·60	+ 3·11	+56
	Madras (South)	6·2	5·1	4·02	3·80	+ 0·22	+ 6

Division.	Rainfall in inches.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
Burma . . .	0·03	0·22	—0·19	—86
Eastern Bengal and Assam.	0·01	0·30	—0·29	—97
Bengal . . .	0·05	0·15	—0·10	—67
United Provinces of Agra and Oudh.	0·10	0·32	—0·22	—69
Punjab . . .	0·76	0·45	+0·31	+69
Rajputana . . .	0·10	0·28	—0·18	—64
Central India . .	0	0·39	—0·39	—100
Sind	0	0·11	—0·11	—100
Gujarat . . .	0·01	0·05	—0·04	—80

Division.	Rainfall in inches.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
Konkan . . .	0·61	0·07	+0·54	+771
Bombay Deccan and Karnatak.	0·84	0·23	+0·61	+265
Central Provinces . .	0·54	0·30	+0·24	+80
Hyderabad . . .	1·50	0·30	+1·20	+400
Mysore	2·23	0·59	+1·64	+278
Madras . . .	5·55	2·30	+3·25	+141
Mean of India when the size of the above areas is taken into account.	0·73	0·44	+0·29	+66

Snowfall.

I.—AFGHANISTAN.

15. *Kabul.*—No snow fell at Kabul, though several light falls occurred on the surrounding hills.

II.—NORTH-WEST FRONTIER PROVINCE.

(*a*) *Wano.*—A slight fall of snow occurred on the 17th on the highest peaks. The snow melted, however, and there was no accumulation at the end of the month.

(*b*) *Kurram Valley.*—Snow fell on eleven days on the Sufed Koh down to about 6,000 feet. At the close of the month there was an accumulation of about 2 feet on the Sufed Koh, and all the passes remained open. The total fall of the month was about normal in amount.

(*c*) *Kohat.*—There were a few falls on the ranges bordering the district. The total fall varied from 13 inches to three feet in depth.

(*d*) *Hazara.*—Three feet of snow fell on the Jhandiani (elevation 8,500 feet) and Dunga Galli (7,800 feet) from the 17th to the 20th.

III.—KASHMIR.

Ladak.—Light snow fell in Leh on the 3rd, 7th and 29th and in addition there were occasional falls on the higher hills around Leh ; these, however, were very light and the Kardong pass (elevation 17,600 feet) remained open throughout the month.

IV.—PUNJAB.

(*a*) *Chamba.*—On the 2nd there were light falls on the Dalhousie, Chamba and Tisa ranges and heavy snowfall occurred on the 19th at all the recording stations, closing the Sach pass. The snowline descended to 3,000 feet on the Chamba range. The statement below gives the depth of snow accumulation at the recording stations :—

Forest Station or Range.	Reported depth of accumulation at the end of December.	
	1906.	1905.
Kalatop	12 inches.	24 inches.
Kainthli	6 „	5 „
Surkhigalli	*Nil.*	1 „
Bakloh	*Nil.*	.....
Chamba Range	*Nil.*	4 to 24 inches.
Langera	6 inches.	18 „
Bhent	3 „	12 „
Bhandal	*Nil.*	9 „
Tisa Range	*Nil.*	8 to 29 „
Pangi Range		

(*b*) *Dalhousie.*—Snow fell on the 18th and 19th, the total fall measuring 19 inches in depth. The fall at Kalatop, Bakrota, Dainkund and Khajiar was at least twice as heavy as at Dalhousie.

(*c*) *Simla.*—Light falls occurred on the 1st, 3rd, 19th and 20th. The snowline came down to 6,000 feet on the 19th.

Below is shown the depth of the accumulated snow on the last day of December in 1906 and 1905:

Pass.	Reported depth of snow at the end of December.	
	1906.	1905.
Rupan	3 feet.	3 feet.
Bruin	3 "	3 "
Harang	4 "	1 foot.
Shatul	3 "	3 feet.
Buldar	3 "	3 "
Runang	1 foot.	2½ "

All the passes with the exception of Harang were closed.

V.—UNITED PROVINCES.

(*a*) *Almora.*—Snowstorms occurred on several days. The total fall measured 8½ feet in Chaudas, 6½ feet in Malla Johar, 5½ feet on the Nuwe pass, 4 feet in Byans and about 1 foot in Malla Danpur. The snowline descended to a distance of 5 or 6 miles from the perpetual snows in Malla Darma.

The depth of accumulation as reported at the end of the month under review and on the corresponding date of last year is given below.—

Pass.	Reported depth of accumulation at the end of December.	
	1906.	1905.
Untadhura	30 feet	18 feet.
Ralamdhura	27 "	15 "
Milamdhura	22⅔ "	12 "
Pindari peak	1⅓ "	3 "
Kaphini peak	1⅙ "	3 "
Kantela peak	1⅛ "	3 "
Nuwe pass	32 "	34 "
Binkaru pass	23 "	29 "
Lipu Lekh pass	2½ "	
Lampia pass	3 "	

(*b*) *Garhwal.*—A heavy fall occurred on the 19th down to a level of about 5,500 feet.

16. *Summary of the preceding information.*—The available data indicate that over the greater part of the mountain zone bordering upper India the snowfall of the month was lighter than usual, and that there were no unusual accumulations except in Kumaon where in Malla Johar the depth of snow at the end of the month was believed to be double of that reported on the corresponding date last year.

Crop Report.

17. *Burma.*—Reaping of early wet weather paddy was completed in several districts and the reaping of late wet weather paddy had commenced. The sowing of tobacco and the cultivation of miscellaneous crops were in progress. Standing crops were generally in good condition.

Eastern Bengal and Assam.—The outturn of the tea season was good in Nowgong and fair in Darrang. Plucking of cotton, harvesting of winter rice and transplantation of summer rice were in progress. The prospects of winter rice and other standing crops were moderate.

Bengal.—Harvesting of winter paddy and pressing of sugarcane were being carried on. The spring crops were doing well, but more rain was required for them in parts of Bihar.

United Provinces.—More rain was needed in some districts but the standing crops were on the whole in good condition. Irrigation, weeding and pressing of sugarcane were in progress.

Punjab.—The condition and prospects of the standing crops were generally good, but rain was needed for unirrigated areas. Harvesting of autumn crops and pressing of sugarcane continued.

North-West Frontier Province.—Spring sowings were in progress and the condition of standing crops on both irrigated and unirrigated areas was good. Locusts caused some damage in Dera Ismail Khan.

Jammu and Kashmir.—Sowing of spring crops was nearly completed and the condition of the standing crops was good.

Rajputana.—Agricultural operations and prospects were generally satisfactory, and pasturage or fodder was sufficient. Some damage by locusts was reported.

Central India.—Autumn harvesting, picking of cotton and sowing for opium were in progress. The standing crops and probable outturn were good.

Central Provinces.—Spring sowings were completed and picking of cotton and threshing and winnowing of autumn crops were in progress. Prospects were favourable.

Bombay.—Harvesting of autumn crops and spring sowings were nearly completed, and cotton picking was in progress. Crops were generally in good condition except where they had been damaged by locusts and other insects.

Hyderabad.—The early rice harvest was nearly completed. Weeding was in progress and the standing crops were in fair to good condition.

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

Coorg.—The picking of cardamom was completed, and the picking of coffee and reaping of rice were in progress.

Madras.—Ploughing, sowing, weeding and transplanting were in progress. Standing crops were generally in fair condition.

J. H. FIELD.

TABLE I.—Abstract of Observations taken at 8 h., at 237 Stations in India, Burma, etc., in December, 1906.

Tabl

Abstract of Observations taken at 8 h., at 2

Number of rainfall division.	Station.	Elevation of barometer above sea-level, in feet.	Pressure, 8 h., in inches.								Temperature of air.											
			Mean 8 h. pressure reduced to 32°.	Departure from normal.	Mean 8 h. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 h. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	I.—Burma Coast and Bay Islands.			—·014								86·0	+1·0	70·8	+2·2	78·5	+1·6	15·2					23·
1	Car Nicobar ‡‡ .	25	29·911		29·863	29·992	27th	29·848	22nd & 23rd	·144	80·3	84·5		76·6		80·6		7·9	86·5	3rd	72·3	26th	14
	Slipper Island .	90	29·900		29·924	30·000	27th	29·817	20th	·183	80·5	84·0		76·8		80·4		7·2	85·1	4 days	71·6	25th	13·
	Port Blair . .	61	29·909	—·011	29·901	30·007	27th	29·847	20th	·160	79·8	85·9	+0·2	77·6	+0·9	81·8	+0·6	8·3	89·2	7th	73·5	20th 21st.	15·
	Mergui . .	119	29·873	—·006	29·926	29·985	27th	29·763	20th	·222	77·6	88·9	+1·6	70·4	+3·7	79·7	+2·7	18·5	92·4	24th	65·4	30th & 31st.	27·
	Tavoy . . .	19	29·997	—·009	29·948	30·103	13th	29·898	20th	·205	71·1	89·2	+1·5	66·1	+1·3	77·7	+1·4	23·1	92·0	23rd	56·8	14th	35·
	Moulmein . .	94	29·931	—·011	29·964	30·044	13th	29·816	20th	·228	72·6	89·2	+2·0	68·2	+1·3	78·7	+1·7	21·0	92·5	5th, 7th & 25th.	61·4	15th	31·
2	Rangoon . .	36	29·985 *	—·017 *	29·958 *	30·086	13th	29·879	21st	·207	72·9	88·7	+1·4	69·7	+2·4	79·2	+1·9	19·0	92·1	26th	64·3	14th	27·
	Basscin. . .	27?	29·992	—·015	29·958	30·093	13th	29·895	21st	·198	70·5	86·0	+1·6	67·9	+2·8	77·0	+2·2	18·1	89·2	28th	62·4	14th	26·
	Diamond Island .	41	29·969	—·017	29·945	30·064	27th	29·876	21st	·188	78·3	84·9	+1·0	74·8 *	+2·6 *	79·8 *	+1·8 *	10·1	87·9	8th	72·2	15th	15·
5	Akyab . . .	20	30·002	—·029	29·964	30·107	27th	29·908	20th	·199	67·9	80·9	—0·8	66·2	+2·2	73·5	+0·7	14·7	84·9	27th	59·6	22nd	25·
3	Toungoo . .	183	29·846	—·013	29·976	29·946	13th	29·735	21st	·211	67·9	84·3	+0·3	64·8	+2·7	74·6	+1·5	19·5	87·3	8th, & 28th.	57·6	20th	29·
	II.—Burma Inland.			—·024								82·1	+0·5	58·8	+2·9	70·5	+1·7	23·3					33·9
3	Thayetmyo .	121	29·927	—·009	29·994	30·024	13th	29·826	20th	·198	69·4	86·4	+1·8	61·4	+3·1	73·9	+2·5	25·0	89·5	4 days	53·9	23rd	35·
4	Minbu . .	*165*	29·875	—·043	29·989	29·972	13th	29·771	20th	·201	68·4	83·2	—0·8	63·5	+3·5	73·4	+1·4	19·7	86·2	4 days	55·0	23rd	31·
	Yamethin . .	657	29·364	—·031	29·396	29·458	13th	29·268	20th	·190	66·8	84·5	—0·5	62·0	+4·8	73·3	+2·2	22·5	87·8	7th	55·2	19th & 20th.	32·
	Monywa . .	*280*	29·816		30·035	29·906	13th	29·731	20th	·175	65·8	82·4		61·3		71·9		21·1	86·3	7th & 9th.	55·1	20th & 22nd.	31·
	Mandalay . .	250	29·808	—·011	30·018	29·912	13th	29·717	20th & 21st.	·195	66·5	84·9	+2·6	62·5	+3·2	73·7	+2·9	22·4	90·0	9th	56·2	22nd	33·
	Myitkyina . .	458	29·626 *		30·071 *	29·716	13th	29·512	20th	·204	57·9 *	78·0 *	*	50·3 *	*	64·2 *	*	27·7	80·7	2nd & 9th.	45·1	22nd	35·
	Bhamo . .	*381*	29·711 *	?	30·072 *	29·808	13th	29·610	20th	·198	55·1 *	75·6 *	—0·7 *	50·7	0 *	63·2 *	—0·4 *	24·9	78·8	1st & 27th.	45·2	21st	33·
4(a)	Maymyo . .	3,545	26·532		26·477	26·648	27th	26·465	21st	·183	53·4	72·2		47·1		59·7		25·1	87·9	25th	40·6	19th	47·
	Lashio . . .	*2,751*	27·222	—·033	27·168	27·316	13th	27·122	20th	·194	55·7	76·3	+2·6	49·6	+1·7	63·0	+2·2	26·7	79·6	6th, 24th & 31st.	42·0	20th	37·
	III.—Assam.			—·012								75·8	+0·9	52·2	—0·4	64·0	+0·2	23·5					31·
7	Silchar . . .	104	29·968	—·013	30·032	30·056	13th	29·877	20th	·179	59·6 *	81·0 *	+1·3 *	54·9 †	—0·1 †	68·0 §	+0·6 §	26·1	85·4	1st, 3rd & 4th,	50·4	29th	35·
9	Sibsagar . .	333	29·781 ‡‡	—·004 ‡‡	30·095 ‡‡	29·872	27th	29·663	20th	·209	52·1	72·4	+0·9	49·2	—1·5	60·8	—0·3	23·2	74·6	4 days	43·2	31st	31·
	Dhubri . . .	115	29·964	—·018	30·043	30·058	27th	29·865	20th	·193	58·3	74·8	+0·5	55·3	+0·2	65·1	+0·4	19·5	77·6	1st & 3rd.	52·3	24th & 29th.	25·
	Gauhati. . .	195	29·913		30·077	30·019	27th	29·800	20th	·219	56·1	76·7		51·6		64·2		25·1	80·1	1st	47·1	28th, 29th & 31st.	33·
	Tezpur . .	252	29·840		30·068	29·951	27th	29·733	20th	·218	55·8	75·5		53·1		64·4		22·4	78·5	1st & 2nd.	48·5	31st	30·
	Dibrugarh . .	353	29·742		30·080	29·844	27th	29·632	20th	·212	52·5	74·1		49·3		61·7		24·8	78·4	1st	43·4	30th & 31st.	35·
	IV.—Bengal and Orissa.			—·007								78·5	+1·1	56·7	+2·0	67·6	+1·6	21·8					31·5
6	Chittagong . .	87	29·958	—·018	29·997	30·049	27th	29·877	20th	·172	63·6	80·0	+1·9	59·4	+1·4	69·8	+1·7	20·6	85·1	5th	54·9	4 days	30·
	Noakhali . .	43	30·012		30·004	30·105	27th	29·931	20th	·174	64·2	78·5		57·1		67·9		21·4	82·8	5th	51·4	25th	31·
	Comilla . .	36	30·023		30·008	30·114	27th	29·939	20th	·175	62·9	81·0		56·5		68·8		24·5	85·4	3rd	51·3	22nd, 23rd & 24th.	34·
	Sirajganj . .	49	30·036		30·037	30·129	27th	29·950	20th	·179	59·9	77·8		56·7		67·3		21·1	80·8	4th	52·9	25th & 26th.	27·
	Narayanganj. .	26	30·052	+·006	30·027	30·142	27th	29·975	20th	·167	62·4	79·3	+1·3	58·7	+1·4	69·0	+1·4	20·6	83·5	4th	53·8	25th	29·
	Barisal . .	12	30·056	—·008	30·015	30·146	27th	29·971	20th	·175	66·1	79·3	+1·7	58·3	+2·2	68·8	+2·0	21·0	83·3	12th	52·2	23r	31·
	Mymensingh .	63	30·019	—·011	30·036	30·111	27th	29·927	20th	·184	61·9	78·7	+2·5	56·8	+2·2	67·7	+2·4	21·9	82·2	3rd & 4th.	52·5	22nd, 26th & 27th.	29·
	Faridpur . .	46	30·031		30·029	30·127	27th	29·947	20th	·180	62·4	77·9		55·9*		67·0*		22·0	81·4	4th	50·5	25th	30·
10	Jessore . .	33	30·051	·001	30·032	30·152	27th	29·961	20th	·191	64·2	78·3	+0·7	56·0	+1·1	67·2	+0·9	22·3	82·5	14th	49·7	24th	32·
	Calcutta (Alipore) .	21	30·065	—·008	30·033	30·168	27th	29·975	20th	·193	62·4	78·3	+1·8	57·9	+1·9	68·1	+1·9	20·4	82·4	14th	52·9	23rd	29·
	Saugor Island .	25	30·056	—·010	30·026	30·135	27th	29·962	20th	·173	65·5	78·8	+2·5	61·3	+2·2	70·1	+2·4	17·5	83·9	14th	55·9	25th & 26th.	28·

* Mean of 30 days.

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

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

Note 2.—The data from which divisional means of the figure

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

‡‡ Observation of 30 days.

I.

Stations in India, Burma, etc., in December, 1906.

Wind Direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	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 h. Mean humidity at 8 h.	Departure from normal.	Mean vapour tension at 8 h.	Departure from normal.	Cloud. Mean cloud amount at 8 h.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st to 31st December, 1906.	Normal rainfall for period, 1st to 31st December.	Departure from normal of period, 1st to 31st December, 1906.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
														83	+2	·717	+·045	4·1	+0·1				1·54	0·99	−0·63					I.—Burma Coast and Bay Islands.
1	1	5	5	3	2				N 88° E	4·6†			4·6†	82		·853		8·5		12			12·18			12·18			2·75	Car Nicobar. ¶
1	8	11	8	2				1	N 67° E	9·8			10·0	79		·825		8·4		2			1·52			1·52			1·33	Slipper Island.
	6	4	6	9	3	1		2	N 89° E	6·5	7·2	−10		82	+1	·834	+·015	6·3	+1·0	5	7·50	−2·50	3·12	6·62	−3·50	3·12	6·62	−3·50	1·36	Port Blair.
17	2	7	1	2	1				N 58° E	2·2	1·8	+22	2·0	73	−1	·678	+·012	2·5	−0·9	0	0·70	−0·70	0	0·38	−0·38	0	0·38	−0·38	0	Mergui.*
31									Calm	1·3				86	+5	·665	+·016	2·1	−0·6	0	0·20	−0·20	0	0·06	−0·06	0	0·06	−0·06	0	Tavoy.
17	3	5		4	2				N 75° E	1·6	2·6	−38	1·8	85	+2	·681	+·036	3·9	+1·4	0	0·20	−0·20	0	0·05	−0·05	0	0·05	−0·05	0	Moulmein.
5	11	13	1					1	N 24° E	2·5	4·9	−49	2·3	82	−1	·667	+·048	2·5	+0·2	0	0·40	−0·40	0	0·09	−0·09	0	0·09	−0·09	0	Rangoon.
17	5	7	2						N 35° E	3·3	2·7	+41			+5	·678	+·073	2·2	−0·7	0	0·50	−0·50	0	0·13	−0·13	0	0·13	−0·13	0	Bassein.
1	1	22	7						N 54° E	9·2	7·5	+23	9·2	76	+2	·742	+·075	2·0	−1·4	0	0·90	−0·90	0	0·70	−0·70	0	0·70	−0·70	0	Diamond Island.
3	13	13	2						N 27° E	2·9	2·2	+32	2·8	93	+4	·638	+·066	4·0	+1·7	0	0·70	−0·70	0·05	0·70	−0·65	0·05	0·70	−0·65	0·03	Akyab.
15	4							12	N 34° W	1·3	2·3	−43	1·3	90	+1	·627	+·062	3·1	+0·8	0	0·40	−0·40	0·03	0·17	−0·14	0·03	0·17	−0·14	0·03	Toungoo.
														84	0	·514	+·037	3·0	+0·3				0·04	0·36	−0·31					II.—Burma Inland.
8	15	6					2		N 8° E	2·4	3·2	−25		78	+1	·567	+·073	2·7	+1·0	0	0·40	−0·40	0·07	0·15	−0·08	0·07	0·15	−0·08	0·06	Thayetmyo.
2	1						28		N 43° W	5·2			6·2	77	0	·516	+·052	3·1	+1·0	0	0·30	−0·30	0·13	0·63	−0·50	0·13	0·63	−0·50	0·08	Minbu.
8	13	1					9		N 16° W	1·8			1·9	81	−3	·537	+·030	4·1	+3·0	0	0·70	−0·70	0·06	0·49	−0·43	0·06	0·49	−0·43	0·04	Yamethin.
9							9	13	N 63° W	2·1			2·2	93		·531		3·1		0	0·30	−0·30	0	0·15	−0·15	0	0·15	−0·15	0	Monywa.
17	14								N	1·7			1·7	86	−1	·565	+·031	0·6	−1·8	0	0·70	−0·70	0	0·29	−0·29	0	0·29	−0·29	0	Mandalay.
		14	15	2					N 71° E	3·6†			3·7†	89		·430		5·2		0			0			0			0	Myitkyina.
25		5	1						N 52° E	0·9			0·8	96*	+3*	·420*	−·002*	2·0*	−1·7*	0	1·00	−1·00	0	0·42	−0·42	0	0·42	−0·42	0	Bhamo.
31									Calm	1·2				92		·384		0·6		0	0·80	−0·80	0	0·45	−0·45	0	0·45	−0·45	0	Maymyo.
25	1	2	1					2	N 15° E	2·6				93	0	·419	+·036	4·0	−2·3	0			0	0·66	−0·66	0	0·66	−0·66	0	Lashio.
														93	−2	·418	−·019	3·8	−0·3				0·01	0·42	−0·42					III.—Assam.
31									Calm	0	1·9	−100	0	87	−3	·451	−·021	2·4	−1·6	0	0·80	−0·80	0	0·46	−0·46	0	0·46	−0·46	0	Silchar.
4	5						10	12	N 54° W	2·0	1·6	+25	1·8	96†	−3†	·379†	−·039†	7·1	+1·8	0	1·90	−1·90	0·03	0·57	−0·54	0·03	0·57	−0·54	0·03	Sibsagar.
	1	10	19	1					N 74° E	5·6	4·5	+24	6·0	91	0	·451	+·004	0·6	−1·0	0	0·20	−0·20	0	0·07	−0·07	0	0·07	−0·07	0	Dhubri.
24	3	2			1			1	N 11° E	1·1			1·2	98		·444		7·0		0	0·70	−0·70	0	0·24	−0·24	0	0·24	−0·24	0	Gauhati.
30			1						E	2·5			2·7	91		·408		1·7		0	1·00	−1·00	0	0·43	−0·43	0	0·43	−0·43	0	Tezpur.
31									Calm	0			0	95		·375		4·1		0	1·40	−1·40	0	0·76	−0·76	0	0·76	−0·76	0	Dibrugarh.
														84	−1	·465	+·019	·6	+1·7				0·04	0·22	−0·19					IV.—Bengal and Orissa
2	13	16							N 25° E	2·9	3·2	−9	2·7	88	−2	·523	+·010	2·8	+0·3	0	0·81	−0·81	0	0·85	−0·85	0	0·85	−0·85	0	Chittagong.
12	9	7	1						N 18° E	1·3			1·4	87		·525		2·7		0	0·48	−0·48	0	0·38	−0·38	0	0·38	−0·38	0	Noakhali.
25	3							3	N 22° W	0·8			0·7	89		·516		0·8		0	0·45	−0·45	0	0·22	−0·22	0	0·22	−0·22	0	Comilla.
27	1		1				2		N 45° W	1·3			1·3	88		·457		3·4		0	0·39	−0·39	0	0·11	−0·11	0	0·11	−0·11	0	Sirajganj.
10	3	5	1					12	N 15° W	1·6	1·9	−16	1·4	86	−1	·490	+·001	3·8	+1·5	0	0·44	−0·44	0	0·16	−0·16	0	0·16	−0·16	0	Narayanganj.
13	7	6						5	N 4° E	1·2			1·0	85*	−2*	·544*	+·037*	1·2	0	0	0·52	−0·52	0	0·60	−0·60	0	0·60	−0·60	0	Barisal.
24	1	2	3	1	*				N 68° E	0·6			0·5	88	−3	·487	+·018	6·4	+4·9	0	0·26	−0·26	0	0·05	−0·05	0	0·05	−0·05	0	Mymensingh.
16	7		1				7		N 18° W	1·5			1·3	88		·498		1·5		0	0·26	−0·26	0	0·08	−0·08	0	0·08	−0·08	0	Faridpur
24	4	1		1			1		N 11° E	0·8	1·7	−53		79	−7	·475	+·017	2·1	+0·9	0	0·35	−0·35	0	0·18	−0·18	0	0·18	−0·18	0	Jessore.
11	11	2					7		N 13° W	2·3	3·0	−23		85	+4	·450	+·008	3·0	+1·9	0	0·38	−0·38	0	0·22	−0·22	0	0·22	−0·22	0	Calcutta (Alipore).
	14	16	1						N 26° E	7·4	6·0	+23		86	−2	·538	+·015	5·2	+2·7	0	0·58	−0·58	0·02	0·33	−0·31	0·02	0·33	−0·31	0·02	Saugor Island.

the data for that station, are not utilized in calculating the provincial departures from normal.
columns Nos. 40, 42 and 44, are derived, are incomplete.

† Mean of 29 days.
‡ „ „ 23 „

§ Mean of 28 days.
¶ Wind variable 13.

Table

Abstract of Observations taken at 8 h. at 237 Stations

Number of division.	Station.	Elevation of bar-cistern above sea-level in feet.	Pressure, 8 h., in inches.								Temperature of air.												
			Mean 8 h. pressure reduced to 32°.	Departure from normal.	Mean 8 h. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 h. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
10	Krishnagar*	47	30·024		30·023	30·120	27th	29·940	20th	·180	59·8	78·6		55·3		67·0		23·3	81·6	2nd	46·9	25th	34·
	Midnapore	149	29·930		30·034	30·026	27th	29·838	20th	·188	62·8	80·8		58·0		69·4		22·8	88·3	31st	50·6	26th	37·7
11	Bankura	313	29·768		30·048	29·859	27th	29·661	20th	·198	63·3	78·8		57·0		67·9		21·8	81·6	21st	49·1	27th	32·5
	Raniganj	334	29·760		30·070	29·862	27th	29·672	20th	·190	58·5	78·2		54·8		66·5		23·4	80·5	21st	48·2	25th, 26th & 27th.	32·3
	Burdwan	99	29·987	—·015	30·011	30·085	27th	29·897	20th	·188	61·7	79·1	+0·9	57·9	+1·9	68·5	+1·4	21·2	81·8	22nd	51·8	25th	30·0
	Naya Dumka	489	29·598		30·079	29·703	27th	29·511	20th	·192	58·9	76·4		52·7		64·6		23·7	78·8	1st	45·5	26th	33·3
	Berhampore	67	30·020	+·010	30·040	30·123	27th	29·935	20th	·188	60·7	77·5	+1·0	57·3	+2·0	67·4	+1·5	20·2	80·3	1st	49·7	25th	30·6
	Rampur Boalia	70	30·021		30·043	30·116	27th	29·927	20th	·189	61·8	77·2		52·9		65·1		24·3	80·1	1st & 2nd	45·1	25th	35·0
	Malda	72	30·004		30·032	30·105	27th	29·912	20th	·193	59·9	75·6		53·0		64·3		22·6	78·8	1st	44·8	26th	34·0
	Bogra	75	29·995	—·018	30·012	30·079	27th	29·916	20th	·163	61·2	77·5	+0·6	56·2	+2·2	66·9	+1·4	21·3	80·3	1st, 2nd & 4th.	52·2	23rd	28·1
12	Dinajpur *	123	29·960	—·006	30·046	30·064	27th	29·867	16th	·197	58·5	78·0	+1·1	53·0	+1·6	65·5	+1·4	25·0	81·3	1st	46·4	31st	34·9
	Rangpur	123	29·966		30·052	30·060	27th	29·871	20th	·189	59·3	77·6		53·7		65·7		23·9	80·7	2nd	48·6	31st	32·1
	Jalpaiguri	284	29·807*	—·007*	30·066*	29·904	27th	29·699	20th	·205	58·3*	76·2	+1·0	53·2	+0·3	64·7	+0·7	23·0	79·4	1st & 2nd	48·6	28th	30·8
	Cooch Behar	156	29·938		30·060	30·033	27th	29·828	20th	·205	56·8	77·2		53·3		65·2		23·9	80·8	1st	48·7	31st	32·1
17	Purnea	123	29·979	+·006	30·067	30·089	27th	29·876	20th	·213	56·8	77·0	+1·2	49·6	—0·1	63·3	+0·6	27·4	81·2	1st	43·2	25th	38·0
14	Balasore	50	30·043	—·014	30·038	30·127	27th	29·943	20th	·184	62·5	80·1	+0·1	58·2	+3·2	69·2	+1·7	21·9	83·4	21st	50·0	26th	33·4
	Angul	455	29·612		30·052	29·689	27th	29·522	20th	·167	63·1	79·7		58·2		69·0		21·5	83·1	5 days	51·1	10th	32·0
	False Point	21	30·059	—·013	30·022	30·134	27th	29·965	20th	·169	67·6	78·5	+0·6	61·6	+4·3	70·0	+2·5	16·9	82·1	21st	53·6	8th & 12th.	28·5
	Cuttack	80	30·004	—·008	30·031	30·076	28th	29·910	20th	·166	65·3	80·6	—1·5	62·3	+3·6	71·4	+1·1	18·3	83·3	22nd & 24th.	56·6	10th & 26th.	26·7
	Puri	24	30·062		30·025	30·131	27th	29·961	20th	·170	68·1	81·0		64·4		72·7		16·6	85·6	1st	59·1	26th	26·5
	V.—Gangetic Plain and Chota Nagpur.			—·006								76·7	+1·1	51·2	+1·2	63·9	+1·2	25·5					37.6
15	Hazaribagh	2,007	28·025	—·003	30·070	28·104	27th	27·940	20th	·164	59·6	73·7	+1·5	51·8	+1·3	62·8	+1·4	21·9	77·7	21st	44·2	26th & 27th.	33·5
	Ranchi	2,128	27·913	+·005	30·085	27·994	27th	27·824	20th	·170	58·9	73·9	+0·2	53·4	+2·8	63·7	+1·5	20·5	78·1	19th, 20th & 21st.	46·0	26th	32·1
	Daltonganj	*730*	29·341		30·082	29·417	27th	29·248	20th	·169	52·6	77·7		47·5		62·6		30·2	81·5	21st	38·0	27th	43·5
	Purulia	*816*	29·247		30·057	29·337	27th	29·162	20th	·175	58·9	78·5		55·1		66·8		23·4	82·4	21st	47·1	27th	35·3
	Chaibassa	*760*	29·297	—·014	30·054	29·396	27th	29·188	20th	·208	57·8	79·2	—0·5	54·8	+2·4	67·0	+1·0	24·4	84·4	21st	47·7	26th & 27th.	36·7
16	Gaya	375	29·717	—·011	30·071	29·815	27th	29·622	16th& 20th.	·193	57·0	77·2	+1·0	51·9	+0·4	64·6	+0·7	25·3	80·9	2nd	43·7	27th	37·2
	Dehri	351	29·734		30·062	29·832	27th	29·639	16th	·193	59·3	78·3		54·8		66·5		23·5	81·3	2nd & 4th	47·6		33·7
	Patna	183	29·923	—·009	30·071	30·036	27th	29·822	20th	·214	60·8	75·8	+1·6	54·2	+2·6	65·1	+2·1	21·6	79·5	6th	44·4	26th	35·1
	Arrah	190	29·902		30·059	30·009	27th	29·800	16th& 20th.	·209	56·7	P		50·7		P					43·1	25th & 28th.	
	Buxar	239	29·849		30·061	29·959	27th	29·750	16th& 20th.	·209	57·1	77·5		52·1		64·7		25·4	81·1	2nd & 5th	42·9	25th, 25th & 30th.	38·2
17	Bhagalpur	160	29·954		30·074	30·066	27th	29·852	20th	·214	63·3*	77·5*		51·8*		64·7*		25·7	81·2	2nd	43·8	25th	37·4
	Darbhanga	165	29·935	+·004	30·065	30·043	27th	29·830	16th	·213	56·9	76·6	+2·1	51·6	—2·1	64·1	0	25·0	80·1	1st, 3rd & 4th.	44·8	25th	35·3
	Pusa	166	29·934			30·044	27th	29·822	16th	·222	55·5			51·0							43·8	25th	
	Muzaffarpur	178	29·928		30·072	30·047	27th	29·822	20th	·225	59·6	76·2		51·6		63·9		24·6	79·6	4 days	44·0	25th	35·6
	Motihari	224	29·862		30·063	29·974	27th	29·759	20th	·215	52·7	76·8		48·8		62·8		28·0	80·8	1st	41·7	24th	39·1
	Chapra	181	29·909		30·057	30·027	27th	29·814	16th	·213	56·5	75·6		51·6		63·6		24·0	79·3	21st	44·7	4 days	34·6
18	Benares	267	29·820	—·014	30·060	29·915	27th	29·708	19th	·207	57·2	76·5	+1·5	48·5	+0·3	62·5	+0·9	28·0	81·0	20th	40·0	25th, 26th & 27th.	41·0
	Allahabad	309	29·773	—·021	30·059	29·880	27th	29·652	19th	·228	55·1	77·4	+1·7	49·2	+1·4	63·3	+1·6	28·2	81·2	20th	39·5	25th	41·7
23	Gorakhpur	257	29·819	—·011	30·051	29·919	27th	29·714	16th	·205	56·6	75·8	+1·6	50·1	—0·3	63·0	+0·7	25·7	80·1	1st	44·1	25th	36·0
19	Lucknow	368	29·729	+·007	30·085	29·826	27th	29·612	16th	·214	54·3	76·8	+1·1	48·2	+2·0	62·5	+1·6	28·6	81·0	31st	40·1	26th & 27th.	40·9
20	Bahraich	401	29·662	—·015	30·054	29·763	27th	29·547	16th	·216	54·5	76·1	+1·1	49·6	+1·6	62·9	+1·4	26·5	81·1	3rd	40·6	24th	40·5

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

NOTE 2.—The data from which divisional means of the figure

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

* Mean of 30 days.

—*continued.*

n India, Burma, etc., in December, 1906—continued.

Wind Direction. Number of winds from N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	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 h. Mean humidity at 8 h.	Departure from normal.	Mean vapour tension at 8 h.	Departure from normal.	Cloud. Mean cloud amount at 8 h.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st to 31st December, 1906.	Normal rainfall for period, 1st to 31st December.	Departure from normal of period, 1st to 31st December, 1906.	Heaviest rainfall during month.	Station.
26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
6	1					2	7	N 27° W	0·6			0·6	88		·457		2·5		0	0·16	− 0·16	0	0·10	− 0·10	0	0·10	− 0·10	0	Krishnagar.
24	2					1		N 1° E	2·8			2·3	73		·415		2·8		0	0·28	− 0·28	0	0·20	− 0·20	0	0·20	− 0·20	0	Midnapore.
1		1			1	7	1	N 82° W	2·1			1·8	71		·411		2·0		0	0·34	−0·34	0	0·13	− 0·13	0	0·13	− 0·13	0	Bankura.
1							2	N 27° W	1·0			0·8	81		·403		2·2		0	0·26	− 0·26	0	0·08	− 0·08	0	0·08	− 0·08	0	Raniganj.
10	1		1	1			1	N 6° E	1·3	1·9	− 32	1·3	78	+ 7	·434	+ ·049	3·5	+2·1	0	0·23	− 0·23	0	0·11	− 0·11	0	0·11	− 0·11	0	Burdwan.
								None	1·3			1·1	79		·400		1·1		0	0·33	− 0·33	0	0·16	− 0·16	0	0·16	− 0·16	0	Naya Dumka.
4						3	6	N 41° W	0·9	1·6	− 44	1·1	84	− 2	·454	+ ·018	3·4	+2·0	0	0·34	− 0·34	0	0·11	− 0·11	0	0·11	− 0·11	0	Berhampore.
1								N	1·0			1·1	83		·459		1·3		0	0·22	− 0·22	0	0·06	− 0·06	0	0·06	− 0·06	0	Rampur Boalia.
8	3		1		1	3	10	N 27° W	3·5				84		·440		0·5		0	0·19	− 0·19	0·02	0·24	− 0·22	0·02	0·24	− 0·22	0·02	Malda.
3								N	1·1			0·9	81	− 4	·440	+ ·009	0·7	+ 0·5	0	0·23	− 0·23	9	0·02	− 0·02	0	0·02	− 0·02	0	Bogra.
1	6	1					2	N 30° E	1·1			1·0	87	+ 1	·431	+ ·021	2·5	+1·8	0	0·32	− 0·32	0	0·04	− 0·04	0	0·04	− 0·04	0	Dinajpur. *
	3	4						N 72° E	1·0			0·9	87		·441		1·1		0	0·23	− 0·23	0	0·09	− 0·09	0	0·09	− 0·09	0	Rangpur.
6	3	1					4	N 1° E	1·1			1·0	84*	− 5*	·413*	+ ·019*	1·0	0	0	0·23	− 0·23	0·05	0·04	+ 0·01	0·05	0·04	+ 0·01	0·05	Jalpaiguri.
	1	2						N 72° E.	1·0			1·0	86		·398		1·1		0	0·27	− 0·27	0	0·08	− 0·08	0	0·08	− 0·08	0	Cooch Behar.
	5			3	6	4		N 60° W	1·4	1·3	+ 8	1·3	92	+ 1?	·423	+ ·040	0·9	0	0	0·23	− 0·23	0	0·10	− 0·10	0	0·10	− 0·10	0	Purnea.
16	2					13		N 17° W	2·6			2·0	75	− 7	·424	− ·023	3·9	+1·8	0	0·52	− 0·52	0·12	0·18	− 0·06	0·12	0·18	− 0·06	0·07	Balasore.
1	2	1			9	17		N 51° W	4·9			4·3	81		·494		2·8		1			0·39			0·39			0·15	Angul.
22						6		N 9° W	4·0	6·3	− 37	4·2	83	− 1	·561	+ ·046	5·7	+3·2	2	0·68	+ 1·32	0·42	0·69	− 0·27	0·42	0·69	− 0·27	0·20	False Point.
	4	2			3	2		N 45° E	1·3	1·3	0		80	+ 5	·503	+ ·056	5·0	+3·1	0	0·58	− 0·58	0·05	0·27	− 0·22	0·05	0·27	− 0·22	0·13	Cuttack.
24	7							N 10° E	0·4			8·8	75		·525		4·1		0	0·61	− 0·61	0·02	0·65	− 0·63	0·02	0·65	− 0·63	0·0	Puri.
													82	+ 5	·381	+ ·027	1·1	−0·2				0·02	0·18	−0·16					V.—Gangetic Plain and Chota Nagpur.
3		2	2	3	7	4	6	S 79° W	4·6	4·6	0	4·1	68	+ 3	·346	+ ·036	1·8	+0·4	0	0·52	− 0·52	0	0·20	− 0·20	0	0·20	− 0·20	0	Hazaribagh.
1			2	1	4	7	12	N 77° W	4·1			5·3	69	+ 4	·347	+ ·038	2·4	+1·2	0	0·48	− 0·48	0·04	0·09	− 0·05	0·04	0·09	− 0·05	0·04	Ranchi.
			4	1				S 37° E	1·8			1·5	92		·366		1·5		1	0·55	+ 0·45	0·13	0·29	− 0·16	0·13	0·29	− 0·16	0·13	Daltonganj.
						14	7	N 75° W	1·7			1·4	76		·386		2·7		0	0·29	− 0·29	0	0·18	− 0·18	0	0·18	− 0·18	0	Purulia.
						1		W	?			?	84	+ 7	·404	+ ·029	2·6	+1·2	1	0·65	+ 0·35	0·21	0·10	+ 0·11	0·21	0·10	+ 0·11	0·21	Chaibassa.
			1	2	1	6		S 63° W	2·0	1·3	+ 54	1·6	81	+10	·385	+ ·044	1·7	+0·2	0	0·35	− 0·35	0	0·17	− 0·17	0	0·17	− 0·17	0	Gaya.
				7	14	2	1	S 39° W	2·7			2·4	76		·389		1·6		0	0·44	− 0·44	0	0·32	− 0·32	0	0·32	− 0·32	0	Dehri.
1	3	3			5	12	1	N 89° W	2·4	1·7	+ 41	2·7	77	+ 2	·413	+ ·041	1·1	+0·2	0	0·35	− 0·35	0	0·10	− 0·10	0	0·10	− 0·10	0	Patna.
1	2			1	3	1	3	N 76° W	0·9			0·9	83		·387		0·3		0	0·35	− 0·35	0	0·13	− 0·13	0	0·13	− 0·13	0	Arrah.
1	1	4	2	2	6	5	1	S 39° W	3·5			3·3	76		·363		1·8		0	0·45	− 0·45	0	0·20	− 0·20	0	0·20	− 0·20	0	Buxar.
		1			3	3		S 63° W	1·4			1·2	70*		·415*		1·8		0	0·26	− 0·26	0	0·07	− 0·07	0	0·07	− 0·07	0	Bhagalpur.
	1							N 45° E	0·8	2·0	−60	0·7	90	+ 1	·424	+ ·015	0·8	+0·3	0	0·23	− 0·23	0	0·07	− 0·07	0	0·07	− 0·07	0	Darbhanga.
1		2			2	2		S 77° W					88		·391		3·5		0			0			0			0	Pusa.
	1	1					1	N 45° E	0·7				86		·440		0·2		0	0·19	− 0·19	0	0·07	− 0·07	0	0·07	− 0·07	0	Muzaffarpur.
	1	1			1	1	1	N 45° W	1·8			1·6	96		·390		0·7		0	0·47	− 0·47	0	0·14	− 0·14	0	0·14	− 0·14	0	Motihari.
1					1			N 71° W	1·1			1·0	88		·398		0·2		0	0·29	− 0·29	0	0·09	− 0·09	0	0·09	− 0·09	0	Chapra.
	1				4	2		S 33° W	0·7	2·4	− 71	0·8	80	− 4?	·384	+ ·029	1·0	−0·3	0	0·40	− 0·40	0	0·21	− 0·21	0	0·21	− 0·21	0	Benares.
	1	2	1		1	6	1	W	1·8	2·5	− 28	1·5	80	+ 3	·357	+ ·004	1·3	0	0	0·50	− 0·50	0	0·24	− 0·24	0	0·24	− 0·24	0	Allahabad.
						1	1	N 66° W	0·3	0·9	− 67		81	0	·381	+ ·007	0	−1·0	0	0·40	− 0·40	0	0·14	− 0·14	0	0·14	− 0·14	0	Gorakhpur.
1	1							N 24° E	0·6	1·6	− 63	0·7	81	− 1	·350	+ ·016	0·3	−1·3	0	0·80	− 0·80	0	0·38	− 0·38	0	0·38	− 0·38	0	Lucknow.
	1	1			1	1	6	N 45° W	2·1			2·0	87	+ 5	·373	+ ·022	0·4	−0·4	0	0·70	− 0·70	0	0·34	− 0·34	0	0·34	− 0·34	0	Bahraich.

data for that station, are not utilised in calculating the provincial departures from normal.
mns Nos. 40, 42 and 44 are derived, are incomplete.

* Mean of 30 days.

Table

Abstract of Observations taken at 8 h., at 237 Stations

Number of rainfall division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 h. in inches.								Temperature of air.												
			Mean 8 h. pressure reduced to 32°.	Departure from normal.	Mean 8 h. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded month.	Date.	Lowest pressure recorded month.	Date.	Total range of pressure during month.	Mean of 8 h. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
21	Cawnpore	416	29·676*	—·002*	30·084*	29·766	27th	29·575	16th	·191	53·1*	76·5	+0·2	49·6	+2·0	63·1	+1·1	26·9	82·9	5th	43·6	30th & 31st.	39·2
	Mainpuri	516	29·572†	+·002	30·086	29·669	27th	29·446	19th	·223	52·8	76·3	+1·2	48·3	+1·0	62·3	+1·1	28·0	81·8	4th	38·8	26th	43·0
	VI.—Upper Sub-Himalayas.			—·005								72·2	+0·4	46·5	+3·0	59·4	+1·7	25·6					41·6
24	Bareilly	568	29·194	—·007	30·071	29·593	27th	29·380	16th	·213	51·5	73·2	+0·4	48·2	+2·2	60·7	+1·3	25·0	78·3	5th	40·0	23rd & 25th.	38·3
	Dehra Dun	2,233	27·788	—·005	30·101	27·886	27th	27·667	16th	·219	51·2	70·5	+1·8	47·5	+1·9	59·0	+1·9	23·0	75·0	10th	39·5	24th	35·5
	Roorkee	899	29·156	+·005	30·096	29·259	27th	29·031	16th	·228	49·0	71·4	—1·0	45·2	+1·7	58·3	+0·4	26·2	77·0	1st & 2nd.	37·7	25th	39·3
22	Meerut	738	29·327	0	30·089	29·420	27th	29·202	16th	·218	50·4	73·2	+0·3	46·6	+1·9	59·9	+1·1	26·6	81·1	1st	38·8	25th & 27th.	42·3
26	Delhi	718	29·359	+·002	30·095	29·451	27th	29·236	17th	·215	53·8	74·1	+0·4	51·1	+2·2	62·6	+1·3	23·0	82·7	1st	40·7	24th	42·0
28	Lahore	702	29·357	—·016	30·092	29·449	31st	29·197	18th	·252	47·4	74·8	+1·6	44·9	+4·6	59·9	+3·1	29·9	84·4	1st	35·6	24th & 25th.	48·8
27	Sirsa	662	29·412	—·006	30·094	29·499	31st	29·213	17th	·256	51·2	74·6	—0·3	46·8	+4·1	60·7	+1·9	27·8	85·8	1st	37·0	22nd	48·8
	Patiala	*818*	29·235		30·083	29·325	27th	29·102	18th	·223	50·7	72·0		46·7		59·4		25·3	78·8	2nd	38·4	23rd	40·4
29	Ludhiana	812	29·243	—·002	30·087	29·340	27th	29·086	18th	·254	51·4	70·8	—0·2	48·1	+4·1	59·5	+2·0	22·5	78·5	1st, 2nd & 3rd,	40·6	22nd	37·9
	Sialkot	830	29·232	+·005	30·099	29·343	13th	29·083	17th	·260	56·7	71·3	+1·2	45·8	+3·3	58·6	+2·3	25·5	81·5	1st	40·1	24th & 25th.	41·4
	Ambala	892	29·153	—·007	30·083	29·249	27th	29·042	16th 17th & 19th.	·207	50·2	72·5	+0·4	45·2	+1·7	58·9	+1·1	27·3	79·5	2nd	39·0	27th	40·5
	Rawalpindi	1,674	28·364	—·022	30·142	28·487	13th	28·193	17th	·294	45·9	67·8	+0·2	42·2	+5·1	55·0	+2·7	25·6	77·4	1st	34·0	24th	43·4
	VII.—Indus Valley and North-West Rajputana.			—·016								77·7	+2·2	49·9	+3·7	63·8	+3·0	27·7					45·3
32	Peshawar	1,110	28·976	—·021	30·163	29·092	13th	28·793	17th	·299	47·8	67·1	—0·4	45·2	+6·2	56·2	+2·9	21·9	77·2	1st	35·9	23rd	41·3
	D. I. Khan †	590	29·536	—·031	30·095	29·606	31st	29·302	17th	·304	49·1	74·8	+2·3	45·8	+5·7	60·3	+4·0	29·0	84·3	11th	35·5	24th	48·8
31	Khushab	612	29·476	—·011	30·110	29·591	31st	29·273	18th	·318	51·2	75·0	+3·3	46·3	+4·4	60·7	+3·9	28·7	85·4	11th	35·4	24th & 25th.	50·0
	Montgomery	558	29·524	—·016	30·094	29·619	31st	29·323	17th	·296	52·9	75·6	+2·7	46·0	+3·0	60·8	+2·9	29·6	85·8	1st	37·0	24th	48·8
	Multan	420	29·664	—·033	30·083	29·768	6th & 31st.	29·435	17th	·333	54·3	75·4	+1·5	49·6	+5·2	62·5	+3·4	25·8	83·8	12th	42·9	24th & 27th.	40·9
47	Jacobabad	186	29·938	+·001	30·102	30·049	24th	29·684	17th	·365	51·3	80·3	+3·6	48·4	+4·4	64·4	+4·0	31·9	87·1	9th & 13th.	38·1	24th	49·0
	Hyderabad	96	30·027*	—·004*	30·082*	30·135	24th	29·829	17th	·306	61·2	82·4	+3·3	55·7	+3·4	69·1	+3·4	26·7	90·1	4 days	46·0	27th	44·1
	Kurrachee	30	30·074	—·020	30·056	30·186	24th	29·841	17th	·345	63·1	83·8	+3·5	58·4	+2·5	71·1	+3·0	25·4	90·9	11th	50·7	24th	40·2
51	Bikaner	*771*	29·296	—·023	30·087	29·396	24th	29·083	18th	·313	55·6	76·8	+1·5	52·3	+1·0	64·6	+1·3	24·5	86·2	1st	44·1	?	42·1
	Pachpadra	*380*	29·713	0	30·075	29·825	24th	29·505	18th	·320	59·8	82·1	+0·6	47·4	+1·1	64·7	+0·9	34·7	87·7	2nd & 9th.	35·8	24th	51·9
	Jodhpur	782	29·298		30·108	29·392	24th & 26th.	29·059	18th	·293	59·3	80·9		54·1		67·5		26·8	87·1	1st & 10th.	46·2	24th & 25th.	40·9
	VIII.—East Rajputana, Central India and Gujarat.			—·011								81·9	+1·1	54·1	+1·4	68·0	+1·3	27·8					40·8
50	Jaipur	1,431	28·638	—·010	30·115	28·715	10th	28·471	18th	·244	56·4	79·4	+1·7	50·6	+1·5	65·0	+1·6	28·8	85·2	11th	37·0	24th	48·2
	Kotah	819?	29·232		30·099	29·325	26th	29·068	18th	·257	59·0	80·4		53·6		67·0		26·8	86·0	4 days	47·0	4 days	39·0
	Sambhar	1,254	28·814	—·003	30·116	28·897	26th	28·623	18th	·274	53·2*	77·9	+1·9	47·8	+1·5	62·9	+1·7	30·1	84·4	2nd & 11th.	40·0	24th	44·4
	Ajmer	1,611	28·462	—·009	30·136	28·548	26th	28·269	18th	·279	53·1	77·9	+1·6	50·7	?	64·3	?	27·2	84·4	1st & 2nd.	43·3	25th	41·1
	Udaipur	1,925	28·139		30·122	28·212	26th	27·972	18th	·240	55·4	78·9		48·5		63·7		30·4	84·5	1st & 3rd.	42·2	27th	42·3
46	Bhuj	395	29·679	—·006	30·049	29·775	24th	29·523	18th	·252	65·0	83·7	+1·5	57·9	+1·8	70·8	+1·7	25·8	90·1	1st	50·5	30th	39·6
	Jamnagar	61	30·016		30·022	30·106	26th	29·862	18th	·244	63·1	83·6		56·6*		70·2*		27·0	92·5	10th	47·5	25th	45·0
	Rajkot	429	29·631	—·007	30·029	29·701	24th	29·506	18th	·195	65·5	85·7	+0·3	54·3	+1·4	70·0	+0·9	31·4	90·4	1st, 10th & 11th.	43·0	22nd	47·4
	Veraval	*18*	30·031	—·015	29·991	30·099	1st	29·925	18th	·174	68·7	85·7	+1·6	63·2	+1·2	74·5	+1·4	22·5	90·6	4th & 7th	58·3	19th	32·3
	Dwarka	37?	30·043		30·027	30·117	24th & 25th.	29·915	18th	·202	70·1	82·8		62·3		72·6		20·5	89·3	11th	54·1	25th	35·2
	Bhavnagar Para	55	30·017	—·030	30·016	30·088	26th	29·892	18th	·196	62·1	86·0	+0·9	55·2	?	70·7	?	30·8	90·1	5th	46·5	28th	43·6
49	Nowgong	757	29·321	—·017	30·092	29·409	27th	29·205	19th	·204	53·3	75·3	+0·1	48·0	+1·6	61·7	+0·9	27·3	80·0	9th	38·5	25th	41·5
	Indore	1,823	28·232	?	30·086	28·303	10th	28·103	18th	·200	61·4	80·7	+1·4	49·6	+0·3	65·2	+0·9	31·1	83·1	23rd	43·1	26th & 27th.	40·0
	Neemuch	1,624	28·436	—·008	30·103	28·517	26th	28·281	18th	·236	58·5	79·7	+1·3	49·8	+0·3	64·8	+0·8	29·9	84·0	1st & 3rd	40·3	25th	43·7

† Observations for 30 days.

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

Note 2.—The data from which divisional means of the figure

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

* Mean of 3 days.

I—*continued.*

in India, Burma, etc., in December, 1906—continued.

Wind Direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	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 h. Mean humidity at 8 h.	Departure from normal.	Mean vapour tension at 8 h.	Departure from normal.	Cloud. Mean cloud amount at 8 h.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st to 31st December, 1906.	Normal rainfall for period, 1st to 31st December.	Departure from normal of period, 1st to 31st December, 1906.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
29	1						1		N 45° W	0·3				86*	+ 9*	·352*	+·028*	0·4	- 0·9	0	0·60	− 0·60	0	0·17	− 0·17	0	0·17	− 0·17	0	Cawnpore.
16			3	1		4	2	5	W	1·3			1·3	81	+ 8	·326	+·035	0·6	−1·7	0	0·60	− 0·60	0·04	0·34	−0·30	0·04	0·34	− 0·30	0·04	Mainpuri.
														83	+ 8	·307	+ ·048	2·1	−0·6				0·73	0·57	+0·21					VI.—Upper Sub-Himalayas.
28		1					2		N 60 W	0·9	2·2	−59	0·9	87	+ 6	·338	+ ·032	1·0	−0·4	1	0·64	+0·36	0·20	0·33	- 0·13	0·20	0·33	- 0·13	0·20	Bareilly.
30					1				S	0·6	1·7	−65		77	+ 2	·294	+ ·026	2·0	−1·7	1	1·40	−0·40	0·90	0·80	+ 0·10	0·90	0·80	+ 0·10	0·89	Dehra Dun.
23				3			1	4	N 66° W	1·9	1·3	+46	1·9	93	+ 9	·323	+ ·044	2·4	+0·3	1	1·30	−0·30	0·68	0·61	+ 0·07	0·68	0·61	+ 0·07	0·68	Roorkee.
22			2				6	1	N 81° W	0·6	1·6	−63	0·6	84	+ 9	·315	+ ·054	0·7	−1·3	1	0·90	+0·10	0·75	0·48	+ 0·27	0·75	0·48	+ 0·27	0·75	Meerut.
			2	5	1		19	4	S 84° W	3·0	2·7	+11	3·3	74*	+13*	·320*	+·070*	1·5	−0·9	1	1·10	- 0·10	0·48	0·53	- 0·05	0·48	0·53	− 0·05	0·48	Delhi.
19			1	3			7	1	S 73° W	1·5	1·5	0	1·6	89	+11	·298	+ ·046	2·4	−0·5	1	0·90	+0·10	0·25	0·38	− 0·13	0·25	0·38	− 0·13	0·25	Lahore.
27			1	1	1		1		S 24° E	0·8	2·2	−64	0·7	78	+ 9	·297	+ ·060	1·7	−1·3	1	0·80	+0·20	0·56	0·31	+ 0·25	0·56	0·31	+ 0·25	0·56	Sirsa.
9	3	1	3	4	1		2	8	N 9° W	3·7			3·7	85		·316		2·3		1			0·15			0·15			0·13	Patiala.
13		2	1	3		1	3	8	N 49° W	2·2	0·8	+175	2·0	81	+ 5	·310	+ ·050	1·8	−2·0	2	0·90	+1·10	1·44	0·78	+0·66	1·44	0·78	+ 0·66	1·30	Ludhiana.
17	3	5	3		1		1	1	N 38° E	1·4	1·1	+27	1·2	81	+ 7	·302	+ ·055	1·9	−0·7	2	1·10	+0·90	2·20	0·52	+1·68	2·20	0·52	+ 1·68	2·05	Sialkot.
21			2	2				6	N 16° W	1·8			1·6	85	+ 3	·312	+ ·035	2·5	+0·1	1	1·20	−0·20	0·10	0·82	−0·72	0·10	0·82	− 0·72	0·10	Ambala.
26		1	1					3	N 9° W	2·2	1·1	+100	2·0	83	+ 9	·261	+ ·051	5·3	+1·7	2	1·60	+0·40	1·07	0·74	+ 0·33	1·07	0·74	+ 0·33	0·71	Rawalpindi.
														67	+ 9	·294	+ ·051	1·7	−1·0				0·26	0·22	+0·04					VII.—Indus Valley and North-West Rajputana.
29			1		1				N 45° E	0	2·4	−100	0	80	+10	·277	+ ·072	4·3	+0·5	4	1·10	+2·90	1·46	0·33	+ 1·13	1·46	0·33	+ 1·13	0·71	Peshawar.
27		1						2	N 18° W	0·6	0·8	−25	0·6	82	+11	293	+ ·076	2·8	+0·2	1	0·80	+0·20	0·21	0·21	0	0·21	0·21	0	0·18	D. I. Khan.†
12	1	7	1	1	2	3	3	1	N 25° E	5·1			4·9	70	+10	·270	+ ·071	2·5	−0·2	0	0·40	−0·40	0·13	0·54	− 0·41	0·13	0·54	− 0·41	0·07	Khushab.
17		2	2	4	1	1	2	2	S 60° E	3·2			3·2	88	+23	·357	+ ·127	2·2	−0·5	1	0·60	+0·40	0·22	0·42	- 0·20	0·22	0·42	− 0·20	0·20	Montgomery.
22	2	3		2		2			N 58° E	1·1	1·3	−15	1·0	73	+ 3	·311	+ ·050	1·1	−1·4	1	0·70	+0·30	0·40	0·19	+ 0·21	0·40	0·19	+ 0·21	0·40	Multan.
17	1	7		1		2		3	N 19° E	2·2	1·6	+38	2·8	72	+ 9	·279	+ ·038	0·4	−2·4	0	0·40	−0·40	0	0·09	− 0·09	0	0·09	− 0·09	0	Jacobabad.
3	15	1			2	2		8	N 19° W	7·8	6·5	+20	6·9	67*	−13*	·367*	P	0·8	−1·5	0	0·20	−0·20	0	0·05	− 0·05	0	0·05	− 0·05	0	Hyderabad.
2	4	23	1					1	N 38° E	6·4	9·2	−30	5·5	58	− 1	·352	+ ·023	0·8	−1·4	0	0·40	−0·40	0	0·13	−0·13	0	0·13	− 0·13	0	Kurrachee.
4	1		4	8	8	4	1	1	S 19° E	4·9	2·4	+104	4·2	58	+ 2	·263	+ ·022	1·9	−0·7	1	0·40	+0·60	0·25	0·17	+ 0·08	0·25	0·17	+ 0·08	0·22	Bikaner.
	2	7	12	6	1	2		1	N 62° E	4·3	2·1	+100	4·0	45	P	·232	−·020	0·1	−2·4	0	0·40	−0·40	0·08	0·12	- 0·04	0·08	0·12	− 0·04	0·08	Pachpadra.
9	9	9	1	2	1				N 34° E	4·4			3·7	46		·232		1·8		1	0·50	+0·50	0·11	0·15	− 0·04	0·11	0·15	− 0·04	0·11	Jodhpur.
														59	− 1	·320	+ ·006	1·0	−0·6				0·08	0·19	−0·10					VIII.—East Rajputana, Central India and Gujarat.
10	3	7	3	1	1	1	4	1	N 28° E	2·6	3·4	−24		60	− 2	·275	+ ·006	1·0	−1·2	1	0·70	+0·30	0·14	0·19	- 0·05	0·14	0·19	− 0·05	0·14	Jaipur.
30		1							N 45° E	1·5			1·2	54		·272		1·4		0	0·80	−0·80	0	0·29	− 0·29	0	0·29	− 0·29	0	Kotah.
28	1	2							N 22° E	2·9	3·7	−22		66*	+ 2	·266*	+ ·018	0·7	−1·5	1	0·80	+0·20	0·80	0·35	+ 0·45	0·80	0·35	+ 0·45	0·80	Sambhar.
18	1	9		1		1		1	N 41° E	2·6	1·4	+84	2·3	69	− 5	·280	+ ·005	1·3	−0·8	1	0·60	+0·40	0·25	0·27	- 0·02	0·25	0·27	− 0·02	0·25	Ajmer.
30	1								N	2·1			1·8	62		·274		0·8		0	0·50	−0·50	0·01			0·01			0·01	Udaipur.
13	1	3	4			3	2	5	N 19° W	10·6*	5·1	+96	8·4*	62	+ 6	·387	+ ·046	1·7	+0·1	0	0·20	−0·20	0	0·07	− 0·07	0	0·07	− 0·07	0	Bhuj.
29		1	1						N 67° E	3·9			3·8	51		·310		0		0			0			0			0	Jamnagar.
9	1	9	6	5	1				N 89° E	3·6	4·8	−25	3·6	48	− 5	·304	−·020	1·4	+0·4	0	0·20	−0·20	0	0·04	- 0·04	0	0·04	− 0·04	0	Rajkot.
1	13	14	1			1		1	N 22° E	6·8	5·1	+36	6·8	59	− 7	·351	−·011	0·7	−1·3	0	0·40	−0·40	0	0·09	− 0·09	0	0·09	− 0·09	0	Veraval.
2	11	12	2			1		3	N 20° E	10·5				66		·500		1·7		1			0·16			0·16			0·16	Dwarka.
2		1				4	5	19	N 59° W	4·7			3·9	52	−10	·298	?	1·2	−0·2	0	0·10	−0·10	0	0·07	− 0·07	0	0·07	− 0·07	0	Bhavnagar Para.
9	3		3	2	8	5	1		S 1° W	1·0	1·2	−17	1·0	79	+ 5?	·328	+ ·010	0·9	−0·3	0	0·70	−0·70	0	0·55	- 0·55	0	0·55	− 0·55	0	Nowgong.
20		7	2	2					N 67° E	1·6	2·1	−24	1·3	57	− 2	·322	+ ·012	0·9	−0·5	0	0·50	−0·50	0	0·20	- 0·20	0	0·20	− 0·20	0	Indore.
9	10	8	2	1				1	N 26° E	4·9	8·1	−40	4·1	49	− 4	·243	−·024	1·2	−0·2	0	0·60	−0·60	0	0·28	− 0·28	0	0·28	− 0·28	0	Neemuch.

the data for that station, are not utilized in calculating the provincial departures from normal.
columns Nos. 40, 42 and 44 are derived, are incomplete.

* Mean of 30 days.

Table

Abstract of Observations taken at 8 h., at 237 Stations

Number of rainfall division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 h., in inches.								Temperature of air.											
			Mean 8 h. pressure reduced to 32°.	Departure from normal.	Mean 8 h. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 h. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
35	Surat	39	30·005	−·022	29·960	30·065	27th	29·925	18th	·140	66·2	88·7	+1·3	60·7	+3·0	74·7	+2·2	28·0	91·6	11th & 12th.	56·5	27th	35·1
	Ahmedabad	163	29·909	−·010	30·029	29·993	26th	29·786	18th	·207	66·4	86·9	+1·0	59·5	−0·6	73·2	+0·2	27·4	90·6	6th	54·7	27th	36·9
	Deesa	466	29·596	−·016	30·043	29·674	26th	29·443	18th	·231	60·7	87·4	+2·0	51·6	−1·1	69·5	+0·5	35·8	91·3	6th&7th	46·4	26th	44·9
22	Agra	556	29·539	−·004	30·096	29·623	27th	29·407	17th	·216	54·7	74·7	−1·4	52·5	+3·7	63·6	+1·2	22·2	82·0	1st, 2nd & 3rd.	43·4	24th & 25th.	38·6
21	Jhansi	858	29·238	+·001	30·103	29·324	27th	29·113	19th	·211	61·0	80·3	+1·9	55·4	+3·5	67·9	+2·7	24·9	88·7	10th.	48·7	25th	40·0
	IX.—Deccan.			−·020								82·2	+0·9	56·5	+2·5	69·3	+1·7	25·7					37·4
38	Belgaum	2,539	27·459	−·016	29·977	27·521	10th	27·398	18th	·123	67·4	82·1	+0·5	59·6	+1·5	70·9	+1·0	22·5	84·3	22nd	51·9	17th	32·4
	Sholapur	1,590	28·432	−·024	30·016	28·502	10th	28·356	20th	·146	68·5	86·3	+0·8	60·4	+2·9	73·4	+1·9	25·9	88·7	18th,19th &26th.	53·1	12th,13th & 17th,	35·6
	Poona	1,846	28·184	−·020	30·040	28·256	10th	28·105	21st	·151	64·5	85·9	+1·6	54·8†	+1·1†	70·4†	+1·4	31·1	89·0	22nd	45·8	3rd&4th	43·2
	Bijapur	*1,948*	28·075*	−·021*	30·015*	28·137	10th	28·003	20th	·134	68·1*	84·5	+0·5	59·2*	+3·2*	72·0*	+1·9	25·3	87·2	18th,23rd & 25th.	51·2	4 days	36·0
40	Malegaon	1,430	28·603	−·027	30·048	28·678	27th	28·515	18th	·163	62·3	86·2	+2·0	53·3	+2·0	69·8	+2·0	32·9	90·4	25th	44·2	27th	46·2
	Ahmednagar	2,154	27·889	−·014	30·053	27·953	10th	27·809	18th	·144	64·9	84·3	+1·3	55·5	+4·0	69·9	+2·7	28·8	86·9	19th	46·1	17th	40·8
41	Akola	930	29·123	−·019	30·049	29·202	27th	29·031	20th	·171	63·5	84·7	+1·1	54·5*	+3·5*	69·8	+2·3	29·8	89·3	22nd	46·4	27th	42·9
	Amraoti	1,215	28·833	−·015	30·044	28·905	10th	28·742	19th	·163	66·9	84·2	+1·5	59·8	+3·0	72·0	+2·3	24·4	88·2	25th	52·8	27th	35·4
42	Khandwa	1,044	29·002	−·019	30·058	29·084	26th	28·891	18th	·193	59·7	84·7*	+1·8*	52·3	+2·1	68·5*	+2·0*	32·4	89·2	19th,22nd & 24th,	44·1	27th	45·1
	Hoshangabad	1,006	29·057	−·022	30·082	29·143	27th	28·953	18th	·190	57·7	80·4	+1·1	51·9	+0·2	66·2	+0·7	28·5	83·5	23rd & 24th.	43·3	27th	40·2
	Nagpur	1,017	29·037	−·013	30·057	29·107	10th	28·949	20th	·158	63·3	82·3	+1·0	55·8	+1·5	69·1	+1·3	26·5	86·6	24th & 25th.	50·1	17th	36·5
43	Chanda	*634*	29·417	−·025	30·033	29·483	27th	29·317	20th	·166	61·4	82·4	−0·1	55·1	+3·3	68·8	+1·6	27·3	87·0	24th & 25th.	48·6	10th	38·4
	Seoni	2,033	28·013	−·012	30·080	28·082	10th	27·935	18th	·147	60·4	78·9	+1·2	53·2	+2·4	66·1	+2·3	25·7	83·3	22nd	48·0	26th & 27th.	35·3
	Jubbulpore	1,327	28·724	−·018	30·056	28·804	27th	28·627	19th	·177	55·8	78·6	+1·7	48·6	+2·6	63·6	+2·2	30·0	84·4	23rd	39·3	27th	45·1
	Saugor	1,807	28·240	−·013	30·081	28·316	27th	28·130	18th	·186	60·3	78·0	+1·3	54·5	+2·6	66·3	+2·0	23·5	82·6	18th	47·0	26th	35·6
49	Sutna	1,040	29·017	−·020	30·054	29·106	27th	28·899	19th	·207	55·9	77·0	+1·9	49·5	+2·1	63·3	+2·2	27·5	82·9	20th	39·6	26th	43·3
44	Raipur	970	29·079	−·022	30·051	29·158	27th	29·000	20th	·158	60·9	78·8	−0·4	55·0	+0·9	66·9	+0·3	23·8	83·1	23rd & 24th.	48·9	27th	34·2
	Pendra	2,123?	27·589§		30·067§	28·065	26th	27·913	19th	·152	58·0	75·8		52·0		63·9		23·8	81·3	21st	43·0	27th	38·3
	Sambalpur	486	29·593*	−·017*	30·052*	29·687	27th	29·498	20th	·189	62·8	80·1	+0·3	57·8	+3·8	68·9	+2·1	22·3	84·1	22nd & 25th.	51·7	10th	32·4
39	Aurangabad	1,905	28·136?		30·032?	28·194	10th	28·067	18th	·127	68·3	89·8		55·4		70·0		29·4	87·7	12th	46·7	12th	41·0
	Indur	1,260	28·779		30·034	28·880	28th	28·669	17th	·211	66·7	83·6		56·1		69·9		27·5	87·1	25th	50·1	5th	37·0
	Bidar	*2,165*	27·880		30·034	27·939	10th	27·795	18th	·144	68·9	80·6		62·7		71·6		17·9	85·1	18th	59·1	15th	26·0
53	Gulbarga	1,503	28·497?	?	29·991?	28·587	10th	28·417	19th	·170	68·1	84·8	−0·2	60·3	+2·6	72·6	+1·2	24·5	88·4	18th	53·4	15th	35·0
	Raichur	*1,311*	28·705‡	−·022‡	29·996‡	28·749	10th	28·613	19th	·136	71·4	84·6	−0·3	65·5	+2·2	75·1	+1·0	19·1	89·1	18th	57·7	3rd	31·4
	Hyderabad (Deccan)	1,690	28·332	−·035	30·023	28·398	10th	28·252	16th	·146	65·9	82·1	−0·3	61·0	+3·7	71·6	+1·7	21·1	86·8	18th	52·8	12th	34·0
	Hanumkonda	871	29·154		30·000	29·216	10th	29·072	16th	·144	69·1	82·6		63·3		72·9		19·3	87·0	18th	56·7	12th	30·3
	X.—West Coast.			−·023								86·7	−0·4	71·3	+1·4	79·0	+0·5	15·4					24·2
37	Bombay	37	29·985	−·026	29·962	30·049	1st	29·913	21st	·136	73·6	86·4	+1·9	71·2	+1·4	78·8	+1·7	15·2	91·0	16th	69·5	15th,16th &20th.	21·5
	Ratnagiri	110	29·887*	−·019*	29·938*	29·938	1st	29·820	21st	·118	75·2	89·3	−0·2	69·3	+2·1	79·4	+1·0	20·0	94·8	10th	63·9	3rd & 17th.	30·9
	Mormugao	*60*	29·940	−·028	29·936	29·993	2nd	29·871	21st	·122	73·3	85·6	−0·7	71·3	+1·0	78·4	+0·2	14·3	89·0	8th	66·8	2nd & 16th.	22·2
	Goa	199	29·799	−·033	29·940	29·853	2nd	29·719	21st	·134	74·7	86·1*	−1·5*	71·5	+2·2	78·7*	+0·5	14·6	90·5	10th	65·0	17th	25·5
	Karwar	44	29·946	−·025	29·925	30·000	26th	29·889	21st	·111	70·1	88·1	+0·4	67·2	+1·0	77·7	+0·7	20·9	91·3	8th	59·5	4th	31·8
33	Cochin	10	29·957	−·017	29·894	30·004	1st	29·902	17th	·102	77·4	88·0	−0·5	73·9	+1·0	81·0	+0·3	14·1	92·3	7th	69·2	14th & 15th.	23·1
	Calicut	27	29·947	−·022	29·904	29·992	1st	29·883	17th	·109	77·1	87·2	−0·4	72·8	+2·3	80·0	+1·0	14·4	89·3	7th, 8th & 9th.	68·2	26th	21·1
	Mangalore	65	29·919	−·022	29·878	29·972	26th	29·863	21st	·109	77·2	87·4	−2·1	71·8	+1·8	79·6	−0·2	15·6	92·7	8th	66·0	3rd	26·7
	Trivandrum	198	29·759	−·016	29·892	29·815	1st	29·701	19th	·114	76·2*	82·5	−0·5	73·1*	−0·3*	77·8*	−0·4	9·4	84·5	24th	69·5	4th	15·0

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

NOTE 2.—The data from which divisional means of the figure columns

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

* Mean of 30 days.
† " " 20 "
‡ " " 28 "
§ " " 24 "

I—*continued.*

in India, Burma, etc., in December, 1906—continued.

Wind Direction. Number of winds from Calms	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	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 h. Mean humidity at 8 h.	Departure from normal.	Mean vapour tension at 8 h.	Departure from normal.	Cloud. Mean cloud amount at 8 h.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st to 31st December, 1906.	Normal rainfall for period, 1st to 31st December.	Departure from normal of period, 1st to 31st December, 1906.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
2	7	9	9	3	1				N 60° E	4·5	5·0	−10	4·2	67	+ 5	·436	+·037	0·6	−0·7	0	0·10	− 0·10	0	0·01	− 0·01	0·01	− 0·01	0	0	Surat.
	2	23	4	1			1		N 49° E	¶6·1			¶5·2	45	− 4	·292	−·020	1·3	−0·2	0	0·10	− 0·10	0	0·07	− 0·07	0	0·07	− 0·07	0	Ahmedabad.
1		18	11	1					N 63° E	7·1	8·1	−12		48	+ 1	·258	0	0·9	−0·9	0	0·09	− 0·09	0·04	0·06	− 0·02	0·04	0·06	− 0·02	0·04	Deesa.
7		1		10		11		2	S 5° W	3·1	2·6	+19	3·7	72	+ 4	·310	+·025	0·3	−1·2	1	0·60	+ 0·40	0·18	0·29	− 0·11	0·18	0·29	− 0·11	0·18	Agra.
31									None	0·5	2·3	−78	0·6	70	+13	·381	?	0·4	−0·7	0	0·80	− 0·80	0	0·24	− 0·24	0	0·24	− 0·24	0	Jhansi.
														64	+ 3	·389	+·024	2·9	+1·2				0·93	0·37	+0·48					IX.—Deccan.
20			6	5					S 69° E	5·8	12·3	−57		62	+ 5	·423	+·040	3·4	+1·8	2	0·40	+ 1·60	0·74	0·12	+ 0·62	0·74	0·12	+ 0·62	0·50	Belgaum.
	3	13	5	9	1				N 77° E	9·1	6·8	+34	9·0	51	+ 2	·368	+·022	3·5	+1·5	0	0·50	− 0·50	0·08	0·43	− 0·35	0·08	0·43	− 0·35	0·08	Sholapur.
17	1	1	6				3	3	N 24° E	5·9	5·7	+ 4		58	+ 2	·364	+·033	2·0	+0·1	0	0·50	− 0·50	0·04	0·19	− 0·15	0·04	0·19	− 0·15	0·04	Poona.
	3	14	2	8	1	1		2	N 65° E	4·1			4·5	62††	−10?	440††	−·037?	5·6	+4·0	2	0·50	+ 1·50	1·19	0·03	+ 1·16	1·19	0·03	+ 1·16	1·06	Bijapur.
2	1	3	1	1		1	11	11	N 59° W	7·3*	3·5	+109	8·4*	46	−12	·270	−·061	0·2	−1·8	0	0·50	− 0·50	0	0·26	− 0·26	0	0·26	− 0·26	0	Malegaon.
2	1	3	1	1		1	11	11	N 59° W	3·5			4·3	53	−10?	·345	−·033	2·2	+0·7	3	0·90	+ 2·10	2·16	0·50	+ 1·66	2·16	0·50	+ 1·66	1·55	Ahmednagar.
16		6	6	2		1			N 79° E	2·6	3·1	−16	2·3	66	+10	·403	+·088	3·0	+1·2	3	0·70	+ 2·30	0·91	0·75	+ 0·16	0·91	0·75	+ 0·16	0·47	Akola.
5	2	4	9					1	N 64° E	2·4	3·1	−23	2·2	60	+ 9	·404	+·077	2·5	+0·8	1	0·60	+ 0·40	0·37	0·57	− 0·20	0·37	0·57	− 0·20	0·35	Amraoti.
3		3	4					1	N 62° E	1·9	2·4	−21	1·9	65	+ 8	·342	+·042	1·8	+0·5	0	0·50	− 0·50	0	0·43	− 0·43	0	0·43	− 0·43	0	Khandwa.
5		14	2						N 50° E	1·3	2·4	−46	1·3	66	− 3?	·316	−·013	3·3	+1·7	0	0·60	− 0·60	0	0·53	− 0·53	0	0·53	− 0·53	0	Hoshangabad.
4	19	3	1					4	N 1° E	3·1	3·5	−11	2·4	64	+ 4	·383	+·030	2·5	+0·5	1	0·70	+ 0·30	0·50	0·48	+ 0·02	0·50	0·48	+ 0·02	0·45	Nagpur.
3		2	1	1			1	3	N	1·7	1·6	+ 6	1·5	79	+ 7	·447	+·049	3·4	+2·0	2	0·80	+ 1·20	0·51	0·34	+ 0·17	0·51	0·34	+ 0·17	0·34	Chanda.
5	3	8	1	1	1	1		1	N 41° E	4·3	2·5	+ 72	3·6	65	− 2	·349	+·005	2·5	+0·6	2	0·90	+ 1·10	0·98	0·52	+ 0·46	0·98	0·52	+ 0·46	0·80	Seoni.
1		2	1	7	9			1	S 29° E	1·9	1·8	+ 6	1·7	73	− 1?	·329	−·024	1·7	+0·1	0	0·60	− 0·60	0	0·33	− 0·33	0	0·33	− 0·33	0	Jubbulpore.
1		7	3	6	3	1	1		S 74° E	4·8	2·5	+ 92	4·3	53	− 5	·277	−·017	1·0	−0·1	0	0·80	− 0·80	0	0·70	− 0·70	0	0·70	− 0·78	0	Saugor.
1							5	6	N 65° W	0·8	3·6	−78	0·7	70	+ 3	·317	+·024	3·5	+2·5	0	0·90	− 0·90	0	0·43	− 0·43	0	0·43	− 0·43	0	Sutna.
1	1	3	3	2				2	N 59° E	1·7	2·6	−35	2·0	77	+15	·423	+·079	1·0	−1·0	0	0·50	− 0·50	0	0·25	− 0·25	0	0·25	− 0·25	0	Raipur.
	1	2		1		1		3	N 13° W	2·1			1·8	73		·358		1·8		2			1·62			1·62			1·46	Pendra.
	11	10	5	3				2	N 37° E	2·5	1·4	+79	2·4	80	+ 6	·463	+·057	4·5	+2·8	1	0·30	+ 0·70	0·34	0·24	+ 0·10	0·34	0·24	+ 0·10	0·31	Sambalpur.
		7	9						N 70° E	4·8			4·8	54		·385		2·1		2	1·10	+ 0·90	0·80	0·61	+ 0·19	0·80	0·61	+ 0·19	0·70	Aurangabad.
		1	1	1		3		1	S 18° W	1·6			1·4	79		·521		5·7		2	0·60	+ 1·40	1·25	0·33	+ 0·92	1·25	0·33	+ 0·92	1·10	Indur.
4	9	6	7	3	1		1		N 83° E	5·2			4·3	61		·430		4·7		2	0·70	+ 1·30	3·54	0·52	+ 3·02	3·54	0·52	+ 3·02	3·22	Bidar.
3	13	11	2			1			N 62° E	5·4			4·8	63	+ 4	·440	+·047	3·0	+1·2	2	0·30	+ 1·70	2·80	0	+ 2·80	2·80	0	+ 2·80	2·62	Gulbarga.
1	13	4	2				1		N 55° E	9·9			9·4	64	− 2	·495	+·009	4·4	+2·9	2	0·30	+ 1·70	0·67	0	+ 0·67	0·67	0	+ 0·67	0·35	Raichur.
									None	2·8			2·7	74	+ 1	·480	+·028	4·6	+2·9	3			1·84	0·17	+ 1·67	1·84	0·17	+ 1·67	0·90	Hyderabad (Deccan).
10	1		2	1	1		6		N 13° W	4·3			3·8	67		·482		4·9		4	0·10	+3·90	2·22			2·22			0·66	Hanumkonda
														74	+ 3	·650	+·047	2·8	+0·8				1·64	0·62	+ 1·02					X.—West Coast.
4	13	13	1						N 61° E	7·9	10·0	−21		70	− 2	·588	0	0·7	−1·0	0	0·10	−0·10	0	0·06	− 0·06	0	0·06	−0·06	0	Bombay.
1	4	17	4						N 88° E	9·5	9·9	− 4	9·4	57*	+ 4?	·488*	+·020?	0·9	−0·5	0	0·10	−0·10	0	0·05	− 0·05	0	0·05	−0·05	0	Ratnagiri.
1	6	10	4	4	3		2		S 80° E	8·1				78	+ 2	·642	+·021?	2·6	+1·7	1			0·14	0	+ 0·14	0·14	0	+ 0·14	0·14	Mormugao.
2	15	11		2	1				N 65° E	6·1				67	+ 3?	·584	+·025	2·0	+0·6	1			0·36	0·06	+ 0·30	0·36	0·06	+ 0·30	0·36	Goa.
5	6			1			1		N 21° E	2·3				82	+ 7	·610	+·070	2·1	+1·0	2	0·10	+ 1·90	1·26	0·07	+ 1·19	1·26	0·07	+ 1·19	1·06	Karwar.
1	12	13	3						N 72° E	5·4				79	+ 4	·760	+·064	4·9	+2·5	5	2·50	+2·50	5·14	1·66	+ 3·48	5·14	1·66	+ 3·48	3·00	Cochin.
	11	16	3						N 77° E	6·1			6·1	80	+ 3	·740	+·057	3·6	+1·5	1	1·60	− 0·60	0·47	0·97	− 0·50	0·47	0·97	− 0·50	0·37	Calicut.
2	6	20	2						N 79° E	4·6	3·5	+31		74	+ 6?	·691	+·090	3·8	+1·5	1	0·50	+ 0·50	0·95	0·45	+ 0·50	0·95	0·45	+0·50	0·78	Mangalore.
3	2	2			1	5	5		N 39° W	1·6				82*	+ 2	·750*	+·026	4·5	+0·2	5	3·60	+ 1·40	6·47	2·24	+ 4·23	6·47	2·24	+ 4·23	3·18	Trivandrum.

data for that station, are not utilized in calculating the provincial departures from normal.
40, 42 and 44 are derived, are incomplete.

¶ Mean of 27 days.
†† „ 29 „7

Tab

Abstract of Observations taken at 8 h., at 237 Statio

Number of rainfall division.	Station.	Elevation of bar-cistern above sea-level in feet.	Pressure, 8 h., in inches.								Temperature of Air.											
			Mean 8 h. pressure reduced to 32°.	Departure from normal.	Mean 8 h. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 h. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	XI.—South India.			−·035								83·2	−0·1	67·9	+2·1	75·5	+1·0	15·3					27
57	Pamban . .	37	29·929	−·043	29·893	29·995	10th	29·847	6th	·148	78·3	83·4	+2·0	75·2	+0·6	79·3	+1·3	8·2	93·3	29th	72·7	10th & 11th.	20·6
	Tinnevelly .	168	29·821	−·034	29·521	29·894	11th	29·735	18th	·159	76·3	85·9	−0·3	72·0	−0·4	78·9	−0·4	13·9	91·3	16th & 19th	66·9	13th & 14th,	24
	Madura . .	447	29·546	−·013	29·936	29·603	10th	29·463	18th	·140	76·1	86·4	+0·4	71·6	+1·1	79·0	+0·8	14·8	92·4	15th	66·1	3rd	26
	Periyakulam .	944	29·026		29·929	29·687	10th	28·950	18th	·137	72·4	84·5		67·8		75·1		16·7	89·7	20th	59·8	13th	29
34	Salem . .	940	30·064	−·040	29·951	29·130	10th	28·970	18th	·160	74·5	85·8	−0·6	68·1	+2·8	77·0	+1·1	17·7	92·2	19th	57·3	3rd	34
	Coimbatore .	1,348	28·641	−·023	29·964	28·705	10th	28·568	18th	·137	70·9	83·9	−1·2	66·8	+0·7	75·4	−0·3	17·1	89·9	1st	59·3	4th	30
35	Mercara . .	3,781	26·273	−·013	26·206	26·334	10th	26·224	16th	·110	63·0	76·0	+0·8	59·6	+1·8	67·8	+1·3	16·4	80·0	2nd & 18th	53·6	13th	26
36	Chitaldroog .	2,405	27·591	−·036	29·964	27·651	10th	27·522	19th	·129	69·9	82·6	+1·3	63·0	+2·2	72·8	+1·8	19·6	87·1	1st	55·4	4th	31
	Bangalore .	3,021	26·99	−·033	29·978	27·063	10th	26·930	18th	·133	66·3	77·9	−0·1	60·7	+2·0	69·3	+1·0	17·2	83·3	1st & 17th	52·9	13th	30
	Hassan . .	3,091	26·940	−·023	29·991	26·996	10th	26·881	19th	·115	66·3	80·1	+0·7	57·8	+2·3	69·0	+1·5	22·3	84·4	1st	46·9	4th	27
	Mysore . .	2,518	27·4	−·030	29·977	27·546	10th	27·409	18th	·137	69·0	81·6	0	63·2	+3·4	72·4	+1·7	18·4	86·0	17th & 18th	54·9	13th	31
56	Negapatam .	31	29·932	−·045	29·892	30·001	10th	29·843	27th	·158	76·7	84·6	+3·1	73·1	+1·0	78·9	+2·1	11·5	88·9	16th	68·5	12th	20
	Cuddalore .	37	29·935	−·062	29·903	29·997	10th & 11th.	29·824	27th	·173	73·9	81·8	−1·4	72·1	+3·0	77·0	+0·8	9·7	86·6	17th	66·2	12th	20
	Trichinopoly .	255	29·735	−·031	29·928	29·796	11th	29·641	18th	·155	74·9	84·5	−0·7	70·5	+1·1	77·5	+0·2	14·0	91·5	16th	63·9	3rd	27
	Pudukkottai .	318	29·673		29·929	29·734	10th	29·590	18th	·144	74·1	83·8		70·1		77·0		13·7	91·1	19th	66·2	27th	24
	Madras . .	22	29·971	−·047	29·924	30·048	10th	29·804	18th	·244	75·7	81·7	−1·6	71·4	+1·7	76·6	+0·1	10·3	85·0	24th	63·5	3rd	21
	Vellore . .	707	29·284		29·950	29·357	10th	29·148	18th	·209	71·6	82·4		66·7		74·6		15·7	88·4	17th & 18th	57·8	3rd	30
55	Nellore . .	52	29·958	−·038	29·953	30·026	10th	29·841	18th	·185	73·4	82·0	−2·8	69·4	+1·2	75·7	−0·8	12·6	85·3	3rd, 4th & 31st.	62·6	10th	22
	Masulipatam .	15	30·028	−·022	29·978	30·101	10th	29·928	15th	·173	72·9	83·0	0	69·0	+2·4	76·0	+1·2	14·0	87·5	17th	61·7	2nd	25
54	Cuddapah .	433	29·576	−·050	29·959	29·646	10th	29·463	19th	·183	72·6	85·3	−1·5	67·2	+1·8	76·3	+0·2	18·1	91·2	1st	57·3	4th	33
	Kurnool .	923	29·077	−·053	29·973	29·152	10th	29·001	19th & 20th.	·151	69·7	86·2	−0·7	63·5	+4·6	74·9	+2·0	22·7	90·7	18th	51·4	3rd	26
	Bellary . .	1,475	28·524	−·036	29·979	28·605	10th	28·447	19th	·158	70·6	87·1	+1·5	64·9	+4·0	76·0	+2·8	22·2	91·0	18th	57·1	3rd & 4th	37
52	Cocanada .	26	30·011	−·039	29·973	30·085	10th	29·903	15th	·182	72·7	80·6	−0·1	68·9	+3·2	74·8	+1·7	11·7	84·1	5th	62·0	11th	22
	Waltair(Vizag.)	*226*	29·824	−·022	29·996	29·900	10th	29·716	15th	·184	74·9	81·3	P	70·9	P	76·1	P	10·4	85·7	3rd	64·9	11th	20
	Calingapatam .	19	30·036		29·995	30·111	27th	29·945	15th	·166													
	Gopalpur .	72	30·007	−·013	30·022	30·074	27th	29·923	16th	·151	68·3	79·5	−0·8	64·4	+3·6	72·0	+1·4	15·1	84·2	4th	59·0	9th & 11th,	25
	XII.—Hill Stations.																						
18	Pishin . .											59·7		30·5		45·1		29·2	70·3	10th & 11th.	17·0	21st & 22nd.	57
	Quetta . .	5,502	24·753	+·007	24·713	24·845	26th	24·566	17th	·279	35·7	59·5	+2·9	31·9	+2·2	45·7	+2·6	27·6	70·1	9th	19·8	21st & 22nd.	50
	Kalat† . .										44·4	65·1	+5·5	26·2	+1·6	45·7	+3·6	38·9	74·7	9th	20·9	2nd	53
	Chaman. .	4,311	25·843	+·018	25·805	25·926	2nd	25·694	17th	·232	44·9	62·2	+3·2	41·0	+2·6	51·6	+2·9	21·2	71·3	11th	27·3	21st	43
30	Leh . .	11,503	19·738	+·002	19·706	19·993	11th	19·458	19th	·535	20·2	38·8	+4·1	16·8	+3·6	27·8	+3·9	22·0	50·6	1st	9·9	5 days	49
	Srinagar .	5,204	25·021	−·023	24·992	25·207	10th	24·780	19th	·427	32·9	53·9	+6·1	29·9	+1·4	41·9	+3·8	24·0	61·5	1st	23·6	26th	37
	Sonemarg .	*8,764*	21·873*		21·841*	22·015	10th	21·629	19th	·386	26·1	42·4		20·6		31·5		21·8	54·4	12th	3·1	23rd	51
	Astor (Kashmir)	*7,955*	22·624		22·594	22·794	10th	22·348	20th	·446	30·8	44·6		28·1		36·4		16·5	57·9	1st	15·0	23rd	60
	Minimarg .	*9,359*	21·423		21·391	21·658	10th	21·155	19th	·503	23·7	41·2		12·4		26·8		28·8	53·4	1st	1·0	24th	52
	Skardu .	*7,505*	23·020		22·990	22·304	10th	22·720	20th	·584	30·6	46·5		28·2		37·4		18·3	67·0	20th	21·1	23rd	46
	Dras . .	*10,059*	20·847		20·815	21·108	10th	20·568	20th	·540	15·5	33·4		11·5		22·5		21·9	48·9	1st	−7·9	31st	56
	Gilgit . .	4,890	25·305		25·278	25·540	10th	24·946	20th	·594	40·3	53·1	+3·9	37·9	+3·4	45·5	+3·7	15·2	58·7	15th	28·7	23rd	70
32	Chitral . .	*5,486*									37·1	53·3		34·5		44·0		18·8	60·6	11th	25·0	23rd	56
	Killa Drosh .	4,700?									40·3	52·0		41·9‡		47·7‡		10·1	59·3	8th & 11th	36·1	20th	59
	Para Chinar .	6,000	24·546		24·513	24·655	10th	24·322	20th	·333	42·4	55·3		35·8		45·6		19·5	63·4	9th	25·0	22nd	38

N. B.—Elevations in italics indicate barometrical determinations. *Mean of 30 days. Note 1.—When a query is inserted against any reading, or in the co
‡ Mean of 20 days. † " " 1 " " 2.—The data from which divisional means of the figure colu
Note 3.—The barometric readings are not reduced to sea-level in the cases of hill or plateau stations, the elevations of which exceed 3,200 feet.

I—*continued.*

in India, Burma, etc., in December, 1906—continued.

Wind Direction. Number of winds from Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	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 h. Mean humidity.	Departure from normal.	Mean vapour tension at 8 h.	Departure from normal.	Cloud. Mean cloud amount at 8 h.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st to 31st December, 1906.	Normal rainfall for period, 1st to 31st December.	Departure from normal of period, 1st to 31st December, 1906.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
														82	+ 5	·663	+ ·047	5·8	+ 2·0				5·39	2·63	+ 3·05					XI.—South India.
7	6	6	2	2	2	2			N 23° E	12·7			13·4	89		·855		4·1		7	9·20	— 2·20	4·24	10·31	— 6·07	4·24	10·31	— 6·07	0·91	Pamban.
6	13	4			1		3	4	N 9° W	2·4			2·3	88	+ 11	·792	+ ·102	6·7	+ 2·2	12	5·70	+ 6·30	6·53	3·75	+ 2·78	6·53	3·75	+ 2·78	1·68	Tinnevelly.
4	7	8	3				3	6	N 4° E	4·5	4·9	— 8	5·2	81	+ 7	·720	+ ·061	6·9	+ 2·4	2	3·80	— 1·80	1·92	1·87	+ 0·05	1·92	1·87	+ 0·05	1·39	Madura.
2	1	1	1	1	3			2	S 45° E	1·3			1·5	82		·652		5·8		5	3·20	+ 1·80	2·76	1·56	+ 1·20	2·76	1·56	+ 1·20	1·05	Periyakulam.
3	2	10	10	1	1		3	1	N 60° E	4·9	4·0	+ 23	4·3	80	+ 4	·698	+ ·072	5·8	+ 2·2	4	2·10	+ 1·90	1·74	1·26	+ 0·48	1·74	1·26	+ 0·48	0·75	Salem.
1		7	9		2			2	N 71° E	3·6	3·0	+ 20	3·3	86	+ 2	·653	− ·004	6·1	+ 1·2	7	2·40	+ 4·60	3·90	1·13	+ 2·77	3·90	1·13	+ 2·77	1·46	Coimbatore.
4		15	9	2	1				N 69° E	5·5	4·7	+ 17	5·1	85	+ 5	·499	+ ·052	5·7	+ 0·9	4	1·00	− 3·00	1·50	0·51	+ 0·99	1·50	0·51	+ 0·99	0·48	Mercara.
5	1	5	14	5		1			N 89° E	5·4			4·7	69	+ 4	·509	+ ·049	4·0	+ 1·0	3	0·70	+ 2·30	2·06	0·09	+ 1·97	2·06	0·09	+ 1·97	1·39	Chitaldroog.
	5	12	7	4	1			2	N 57° E	8·0	3·9	+ 105	7·1	81	+ 3	·531	+ ·048	5·1	+ 1·3	3	1·00	+ 2·00	1·15	0·48	+ 0·67	1·15	0·48	+ 0·67	0·52	Bangalore.
3		9	5	1					N 63° E	1·4			1·3	82	+ 9	·537	+ ·060	5·5	+ 1·9	4	1·00	+ 3·00	4·17	0·18	+ 3·99	4·17	0·18	+ 3·99	3·18	Hassan.
2	1	9	9	3	1	2	1	3	N 68° E	7·6			8·2	75	+ 1	·533	+ ·030	5·8	+ 2·0	4	1·00	+ 3·00	2·19	0·17	+ 2·02	2·19	0·17	+ 2·02	0·93	Mysore.
1	3	10	1	1	1	1	2	11	N 6° W	12·5	6·8	+ 84	11·9	82	− 1	·766	+ ·012	6·3	− 0·4	12	9·40	+ 2·60	13·79	12·79	+ 1·00	13·79	12·79	+ 1·00	3·57	Negapatam.
3	4	1				2	2	16	N 44° W	5·4			6·7	88	− 2?	·743	− ·023	6·3	+ 0·3	10	6·80	+ 3·20	18·35	8·19	+ 10·16	18·35	8·19	+ 10·16	4·57	Cuddalore.
1	4	5			1		2	5	N 11° W	3·5	5·0	− 30		85	+ 8	·737	+ ·070	5·5	+ 0·6	8	4·60	+ 3·40	3·61	2·76	+ 0·85	3·61	2·76	+ 0·85	0·85	Trichinopoly.
	12	9	2	1				3	N 19° E	7·7*			9·0*	87		·736		7·4		5			3·45			3·45			1·70	Pudukkottai.
3	4	5	2	1	1		1	11	N 11° W	8·1	7·6	+ 7		87	+ 4	·777	+ ·047	6·4	+ 1·3	10	7·20	+ 2·80	16·43	6·02	+ 10·41	16·43	6·02	+ 10·41	4·18	Madras.
	1	1		1		1		3	N 27° W	3·0			3·0	88*		·688*		4·8		8	3·60	+ 4·40	5·07	2·88	+ 2·19	5·07	2·88	+ 2·19	1·88	Vellore.
	3	1		3	2	1		12	N 41° W	6·5				93	+ 8	·769	+ ·053	7·7	+ 3·7	13	3·30	+ 9·70	14·43	1·64	+ 12·79	14·43	1·64	+ 12·79	3·85	Nellore.
	11	5	1						N 17° E	8·4	5·7	+ 47	7·4	89	+ 8	·714	+ ·077	6·3	+ 3·7	9	0·60	+ 8·40	7·22	0·78	+ 6·44	7·22	0·78	+ 6·44	1·32	Masulipatam.
		5	7	9		2	3	5	S 86° E					82	+ 4	·665	+ ·045	5·9	+ 2·5	6	1·30	+ 4·70	2·76	1·14	+ 1·62	2·76	1·14	+ 1·62	0·81	Cuddapah.
3	3	4	5	1			1	1	N 49° E	2·9				82	+ 12	·605	?	4·6	+ 2·9	4	0·30	+ 3·70	5·69	0·12	+ 5·57	5·69	0·12	+ 5·57	2·80	Kurnool.
	2	3	6	7	2	1	3	5	E	4·0	3·1	+ 29	3·5	65	− 2	·488	+ ·006	4·9	+ 1·6	3	0·30	+ 2·70	1·23	0·11	+ 1·12	1·23	0·11	+ 1·12	0·66	Bellary.
10	14								N 27° E	11·3			9·5	83	+ 13?	·663	+ ·122	6·5	+ 4·0	6	0·70	+ 5·30	8·48	0·80	+ 7·68	8·48	0·80	+ 7·68	2·94	Cocanada.
5	24						1		N 35° E	13·5			10·9	61	+ 2?	·526	+ ·006	7·0	+ 4·5	5	1·10	+ 3·90	1·19	1·80	− 0·61	1·19	1·80	− 0·61	0·41	Waltair (Vizag.).
11	11	2				1	6		N 12° E	10·4*			8·9*							2			0·49			0·49			0·19	Calingapatam
4							16		N 36° W	10·7	6·9	+ 55	10·5	80	+ 3	·553	+ ·058	4·0	+ 1·9	2	0·80	+ 1·20	1·92	0·75	+ 1·17	1·92	0·75	+ 1·17	1·63	Gopalpur.
																														XII.—Hill Stations.
																				2	2·70	— 0·70	0·30	1·20	— 0·90	0·30	1·20	— 0·90	0·18	Pishin.
			1						S	1·0	2·7	— 63	1·1	79	+ 5	·168	+ ·013	2·3	− 0·9	1	4·00	− 3·00	0·39	0·81	— 0·42	0·39	0·81	— 0·42	0·31	Quetta.
1		2		13		1			S 5° E					55		·163				0	2·70	— 2·70	0·04	0·65	— 0·61	0·04	0·65	— 0·61	0·04	Kalat.
15	1	2	1	1			11		N 11° W	6·5			7·2	70	+ 11	·219	+ ·044	1·3	− 2·2	2	3·10	— 1·10	0·60	0·92	— 0·32	0·60	0·92	— 0·32	0·27	Chaman.
1	5	2							N 50° E	2·2				62	+ 4	·069	+ ·018	6·8	+ 0·9	0	0·60	— 0·60	0·11	0·19	— 0·08	0·11	0·19	— 0·08	0·07	Leh.
1		4	5	2		1	2		S 59° E	2·1			2·0	82	— 7	·153	− ·007	5·0	− 1·0	1	3·50	— 2·50	0·59	0·91	— 0·32	0·59	0·91	— 0·32	0·51	Srinagar.
4		5	4	2		1	2		N 83° E	2·5			2·3	81		·1351		6·7		4			2·17			2·17			0·73	Sonemarg.
1	1	1		6	7	2			S 30° W	4·0			3·6	60		·104		7·8		1			0·26			0·26			0·13	Astor (Kashmir).
		4	6						S 62° E	2·0			2·1	77		·101		7·8		5			1·25			1·25			0·38	Minimarg.
	1		1		1				S 45° E	1·5			1·5	85		·146		9·3		0	1·10	— 1·10	0	0·71	— 0·71	0	0·71	— 0·71	0	Shardu.
				2	2				S 23° W	2·1			1·7	84		·081		6·3		4	6·60	— 2·60	1·13	2·19	— 1·06	1·13	2·19	— 1·06	0·33	Dras.
							1		N 45° W	0·7			0·6	57	— 4	·144	+ ·010	7·7	+ 1·3	0	0·80	— 0·80	0	0·09	— 0·09	0	0·09	— 0·09	0	Gilgit.
				4					S	0·8			0·7	78		·173		2·6		3			0·92			0·92			0·55	Chitral.
2	7				8	2	12		N 48° W					74		·191		4·0		2			1·26			1·26			0·75	Killa Drosh.
									None	3·5			3·2	71		·194		4·6		5	2·50	+ 2·50	2·74	0·79	+ 1·95	2·74	0·79	+ 1·95	1·15	Para Chinar.

* station, the data for that station are not utilized in calculating the provincial departures from normal.
40, 42 and 44 are derived are incomplete.

‡ Mean of 20 days.

Table

Abstract of Observations taken at 8 h. at 237 Stations

Number of rainfall division	Station	Elevation of bar-cistern above sea-level, in feet	Pressure, 8 h., in inches: Mean 8 h. pressure reduced to 32°	Departure from normal	Mean 8 h. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month	Date	Lowest pressure recorded during month	Date	Total range of pressure during month	Temperature of Air: Mean of 8 h. temperature	Mean maximum	Departure from normal	Mean minimum	Departure from normal	Monthly mean of mean between maximum and minimum	Departure from normal	Mean daily range of temperature	Highest temperature observed during month	Date	Lowest temperature observed during month	Date	Absolute range during month
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
32	Cherat	*4,256*	25·790†	—·034†	25·758†	25·910	13th	25·643	17th	·267	48·8	54·6	—0·9	46·0	+3·4	50·3	+1·3	8·6	65·6	10th	35·0	22nd	30·6
29	Murree	6,333	23 925	+·008	23·893	24·059	10th	23·741	19th	·315	45·5	52·1	−0·7	37·8	−1·2	45·0	−1·0	14·3	68·0	11th	24·0	21st	44·0
	Kailang	*10,087*	20·983*		20·938*	21·042	27th	20·896	2nd	·146	25·9	44·7	+4·7	22·6	+3·8	33·7	+4·3	22·1	56·7	11th	14·4	24th	42·3
	Poo¶											47·9		30·6		39·2		17·3	57·9	1st	24·3	21st	33·6
	Simla	7,224	23·162	−·003	23·124	23·273	10th	23·021	19th	·252	44·6	52·1	+2·7	41·3	+2·2	46·7	+2·5	10·8	61·9	12th	33·4	19th	28·5
	Sarain		23·223			23·309	31st	23·107	19th	·202	33·5	52·6		31·3		42·0		21·3	69·8	12th	24·7	21st & 23rd.	45·1
	Chakrata	7,022	23·341	+·003	23·301	23·412	31st	23·226	16th	·186	44·6	57·5*	+2·6*	39·9	+0·6	48·7*	+1·6*	17·6*	65·3	10th & 11th.	28·2	20th	37·1
25	Muktesar	7,556	22·924		22·883	22·991	10th	22·809	16th	·182	45·7	56·2		40·6		48·4		15·6	69·5	12th	31·4	19th	38·1
13	Yatung	10,480										51·1		24·2		37·7		26·9	59·1	12th	21·1	22nd & 24th.	38·0
	Darjeeling	7,376	23·079	+·004	23·034	23·146	13th & 27th.	22·972	16th & 26th.	·174	43·8	51·9	+3·2	37·7	+1·1	44·8	+2·2	14·2	62·2	12th	34·5	20th.	27·7
	Pharijong	14,400	17·962			18·060	28th	17·908	4th	·152	21·5	49·3		—2·6		23·4		51·9	64·1	13th, 14th & 17th.	—17·0	22nd	81·1
8	Shillong	4,920	25·214		25·166	25·298	27th	25·119	20th	·179	45·5	63·5		38·2		50·9		25·3	68·9	8th & 11th.	33·7	23rd	35·2
	Cherra Poonjee	4,309	25·773		25·724	25·849	13th	25·683	20th	·166	54·5	63·4		47·7		55·6		15·7	68·2	7th, 11th & 31st.	44·8	12th & 25th.	23·4
50	Mount Abu	3,945	26·162	−·006	26·112	26·241	10th	26·002	18th	·239	60·5	68·5	−0·1	53·7	+0·8	61·1	+0·4	14·8	71·7	9th, 27th & 28th.	47·4	21st	24·3
42	Pachmarhi	3,528	26·565	−·014	26·512	26·630	10th	26·481	19th	·149	56·5	72·4	+2·1	45·7	0	59·1	+1·1	27·4	75·7	23rd & 24th.	39·8	28th & 29th.	35·9
34	Ootacamund	*7,322*	23·089		23·025	23·119	10th	23·057	17th	·062	54·1	62·8*		46·4*		54·6*		16·4	67·0	5th & 14th.	39·7	3rd	27·3
57	Kodaikanal	7,688	22·849		22·784	22·901	10th	22·806	15th & 17th.	·095	53·2	60·4		48·3		53·2		12·1	67·8	5th	43·6	12th	24·2
	XIII.—Extra India.																						
	Trincomalee	12	29·942	−·023	29·880	30·000	28th	29·858	5th	·142	76·3	84·1	+1·6	73·9	−0·6	79·0	+0·5	10·2	86·5	15th	71·0	2nd, 12th & 28th.	15·5
	Colombo	10	29·920	−·013	29·886	29·970	2nd, 10th & 28th.	29·870	18th	·100	77·5	85 9	−1·0	73·2	+0·2	79·6	−0·4	12·7	90·5	23rd	70·0	27th	20·5
	Meshed	3,104	(e) 27·726			27·970	20th & 22nd.	27·490	6th	·480	40·1	51·5		35·3	+4·6	43·4		16·2	62·6	7th & 10th.	26·0	22nd	36·6
	Teheran (*d*)**	*4,002*	¶ (*b*) 25·942			26·100	17th & 22nd.	25·800	4 days	·300	¶ 39·4	53·1	+1·6	36 1	+2·0	44·6	+1·8	17·0	65·5	14th	31·7	19·h & 27th.	33·8
	Ispahan (*d*)	*5,817*	(*b*) 24·313			24·450	17th	24·150	9th	·300	36·8	57·4	+5·2	34·7	+5·5	46·1	+5·4	22·7	67·3	7th	29·2	4 days	38·1
	Bushire* (*d*)	14	30·118	−·016	30·091	30·206	27th	29·931	9th	·225	59·1	70·5	+1·3	56·7	+1·3	63·6	+1·3	13·8	80·2	7th	49·8	18th & 20th.	30·1
	Bahrein ¶	18	30·171		30·142	30·281	26th	30·049	29th	·232	68·8	73·0		63·0		67·9		10·0	82·1	8th	56·8	23rd	25·3
	Jask	13	30·099	−·025	30·069	30·211	25th	29·932	9th	·279	69·0*	79·5	+1·5	65·2*	+1·4*	72·4*	+1·5	14·3	83·8	10th	60·3	12th & 22nd.	23·5
	Muscat**	20	30·119¶	+·002¶	30·087¶	30·213	26th	29·988	9th	·225	73·0	82·3	+6·9	70·3	−0·4	76·3	+3·3	12·0	88·3	9th	63·1	31st	25·2
	Baghdad	220	30·033	+·022	30·245	30·203	27th	29·776	5th	·427	48·4	62·3	−0·1	45·4	+2·5	54·4	+1·2	17·9	68·0	7th	35·0	16th	33·0
	Busrah	25	30·179		30·165	30·332	27th	30·038	9th	·294	56·4	67·1		49·1		58·1		18·0	76·6	7th	36·7	17th	39·9
	Beirut (*c*)				30·036						61·6	67·2		56·8		62·0		10·4	80·2	27th	47·1	14th	33·1
	Aden	94	30 022	+·027	30·049	30·105	12th	29·930	10th	·175	74·9	80·8	−1·0	72·1	−0·9	76·5	−1·0	8·7	83·3	5th	68·4	22nd & 24th.	14·9
	Perim	201	29·846	+·004	29·985	29·876	18th	29·813	9th	·063	78·6	84·4	+0·2	73·2	−1·4	78·9	−0·6	11·2	86·1	8th	72·4	17th	13·7
	Kabul		24·408		24·377	24·250	10th	24·217	19th	·303	35·0	55·6	−0·7	29·9	+2·1	42·7	+1·4	25·7	64·2	16th	19·4	21st	44·3
	Kashgar	4,255	(e) 25·741			25·970	24th & 25th.	25·410	16th	·560	25·3	40·8	+4·2	21·7	+5·2	31·3	+4·7	19·1	60·2	16th & 17th.	8·3	23rd	51·9
	Amini Divi	*13*	29·969	−·027	29·910	30·019	1st	29·923	21st	·096	82·0	86·4	+1·5	75·5	+1·7	81·0	+1·6	10·9	91·2	30th	69 2	14th	22·0
	Minicoy	7	29·971		29·904	30·026	11th	29·931	20th	·095	81·1	85·5	−0·5						87·5	6th			
	Zanzibar	72	29·953	+·024	29·952	30·020	2nd	29·888	5th	·132	80·9	84·5	−1·3	77·7	−1·7	81·1	−1·5	6·8	87·1	1st	74·4	25th & 27th.	12·7
	Do. Dunga (*f*)	*154*	29·832		29.814	29·913	2nd	29·684	23rd	·229	78·6	87·2		76·2†		82·0†		11·0	91·5	3rd	72·4	12th	19·1
	Penang (*a*)	20	29·924		29·868	29·945	28th	29·900	23rd	·045	79·8	86·8		73·7		80·3		13·1	90·0	4th & 24th.	71·0	13th & 29th.	19·0
	Singapore (*a*)	10	29·935		29·866	30·003	26th	29·844	20th	·159	79·4	84·6		73·8		79·2		10·8	90·2	23rd	71·3	30th	18·9

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

„ 2.—The data from which divisional means of the figure columns Nos. [illegible]

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

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

(*a*) 9 h. Observations.
(*b*) Aneroid uncorrected.
(*c*) 8½ h. observations.
(*d*) 7h. Observations.
(*e*) Aneroid corrected.

* Mean of 30 days.
† „ „ 25 „
‡ „ „ 21 „
¶ „ „ 29 „

(*f*) Observations of 28 days.
** Observations of 30 days.

I—*concluded.*

in India, Burma, etc., in December, 1906—concluded.

Wind Direction. Number of winds from Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	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 h. Mean humidity at 8 h.	Departure from normal.	Mean vapour tension at 8 h.	Departure from normal.	Cloud. Mean cloud amount at 8 h.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st to 31st December 1906.	Normal rainfall for period, 1st to 31st December.	Departure from normal of period, 1st to 31st December, 1906.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
2	9	4		2		2		12	N 18° W	10·2			8·9	68	+23	·239	+·097	3·6	−0·1	4			3·43	1·00	+2·43	3·43	1·00	+2·43	1·84	Cherat.
21	2	1	1	2	4				S 19° E	4·3	6·1	−30	4·6	50	+ 4	·145	+·024	3·9	−0·2	4	·150	+2·50	1·77	1·14	+ 0·63	1·77	1·14	+0·63	0·70	Murree.
	3	1	7	5	6	4	5		S 18° E	0·4				68		·097		5·4		0			0·05			0·05			0·05	Kailang.
25				3		1			S 18° E									3·0		0			0·09	1·05	− 0·96	0·09	1·05	−0·96	0·09	Poo.¶
1	7	1	1	1	13	3	1	3	S 25° W	5·6	1·8	+211	5·4	37	− 3	·107	+·001	2·7	−1·2	2	1·60	+0·40	0·60	1·23	− 0·63	0·60	1·23	−0·63	0·43	Simla.
23					6	2			S 8° W	2·1			2·0	77		·138		3·1		0			1·09‖			1·09‖			0·60‖	Sarain.
20	8			1	1			1	N	4·1	4·2	− 2	4·9	53	+ 4	·155	+·020	2·5	−0·5	2	2·40	−0·40	1·15	1·16	− 0·01	1·15	1·16	−0·01	0·85	Chakrata.
8		2	6	3	1	1	8	2	S 31° W	9·0			8·4	39		·114		1·7		1			0·15			0·15			0·10	Muktesar.
																				0	0·57	−0·57	0	0·18	− 0·18	0	0·18	−0·18	0	Yatung.
7	2	6	8	6	1	1			N 89° E	2·4	1·9	+26	2·2	70	− 8	·199	+·002	1·8	−1·3	0	0·65	−0·65	0	0·23	− 0·23	0	0·23	−0·23	0	Darjeeling.
18	7						5		N 20° W	9·2			7·7					0·2		0			0						0	Pharijong.
30						1			S 45° W	0			0	65		·203		1·8		0	0·70	−0·70	0	0·28	− 0·28	0	0·28	−0·28	0	Shillong.
9	2	13	3				4		N 36° E	3·6			3·2	61		·273		2·0		0	3·90	−3·90	0	0·21	− 0·21	0	0·21	−0·21	0	Cherra Poonjee.
13	3	8	2			3		2	N 28° E	4·3	3·6	+19	4·3	49	+ 5	·256	+·031	1·0	−0·7	1	0·50	+0·50	0·10	0·21	− 0·11	0·10	0·21	−0·11	0·10	Mount Abu.
23		1	4	1		2			S 71° E	1·7	2·6	−35	1·8	70	+11	·323	+·018	1·5	−0·4	0	1·00	−1·00	0	0·47	− 0·47	0	0·47	−0·47	0	Pachmarhi.
6	1	5	9	8	1	1	1		S 80° E	5·0			4·7	69		·290		5·0		10	3·30	+6·70	3·77	1·65	+ 2·12	3·77	1·65	+2·12	0·98	Ootacamund.
	4	4	6	5	3		1	8	N 45° E	12·2				79		·317		5·8		11	8·10	+2·90	6·19	5·57	+ 0·62	6·19	5·57	+0·62	1·25	Kodaikanal.
																														XIII.—Extra India.
20	1	3			3	1	1	1	N 72° W	1·5				91	+ 5	·823¶	− 008	·5	−0·4	12			10·96	15·90	− 4·94	10·96	15·90	−4·94	2·30	Trincomalee.
	12	8	4	4			2	1	N 32° E	7·9	7·9	0		86	+ 7	809	+·008	5·2	+0·8	9			1·91	6·79	− 4·88	1·91	6·79	−4·88	0·80	Colombo.
														83		·210		5·1	−0·4	4			2·35	0·70	+ 1·65	2·35	0·70	+1·65	0·96	Meshed.
2	10	11	1			1	2	3	N 12° E	4·2			3·6	82¶		·203¶		8·7¶		6			2·31	1·37	+ 0·91	2·31	1·37	+0·94	0·60	Teheran.
29	1			1					N 81° E	1·2			1·5	80		·180		4·0		1			0·40	0·54	− 0·14	0·40	0·54	−0·14	0·35	Ispahan.
1	2	7	10	4	1			5	N 65° E	7·7	6·6	+17	8·5	94	+ 20	·472	+·092	4·8	+2·5	1			0·25	3·24	− 2·99	0·25	3·24	− 2·99	0·23	Bushire.
	1		2	2	2	1	11	10	N 75° W	4·2‡			3·6‡	79		·562		0·1		0			0			0			0	Bahrein.
4	8	11	3					5	N 20° E	11·5			11·0	73*	+ 3	·506*	+·018	4·0	+1·6	2			1·13	0·78	+0·35	1·13	0·78	+0·35	0·58	Jask.
22	1							7	N 40° W	4·0			4·2	68	0	·561	+·012	2·0	0	2			1·57	0·26	+ 1·31	1·57	0·26	+1·31	1·39	Muscat.
19	5			1	3			3	N 18° W	2·4	2·5	− 4	3·1	81	+ 3	·287	+·019	4·2	+2·2	2			0·74	1·61	− 0·90	0·74	1·61	−0·99	0·36	Baghdad.
5	15				11				N					95		·444				4			1·13			1·13			0·46	Busrah.
5	2		9	3	3	7	2		S 23° E					66		·367		6·8		7			4·95			4·95			3·52	Beirut.
1	5	23	2						N 41° E	11·8	12·4	− 5	11·2	74	0	·638	−·017	4·4	−0·8	1			0·12	0·37	− 0·25	0·12	0·37	−0·25	0·10	Aden.
			29	2					S 88° E	22·3			19·3	70		·681	−·019	3·4	+0·3	0			0	0·08	− 0·08	0	0·08	−0·08	0	Perim.
	3	8	14	1	3			2	N 72° E					77		·166		3·3		2			0·63	0·29	+ 0·34	0·63	0·29	+0·34	0·36	Kabul.
26					1			4	N 56° W	1·4			1·3					3·5		0			0·08	0·19	− 0·11	0·08	0·19	−0·11	0·05	Kashgar.
4	8	16					1	2	N 23° E					71		·780		3·4		3			1·79	0·32	+ 1·47	1·79	0·32	+1·47	1·47	Amini Divi.
	16	6		2	1		1	5	N 3° E	4·0			4·3	77	− 1	·814	+·013	3·2	−0·1	3			2·51	4·66	− 2·15	2·51	4·66	−2·15	1·68	Minicoy.
5	4	11	7	1	1	2			N 57° E	4·3			4·1	83	+ 2	·870	−·002	5·5	+0·1	17			12·84	2·77	−10·07	12·84	2·77	+10·07	2·24	Zanzibar.
12	1	14				1			N 42° E	5·8‡			5·6‡	91		·894		6·2		10			5·42			5·42			1·60	Do. Dunga.
	8	1	2		3	6		11	N 45° W	10·2								5·0		16			11·20			83·29			1·52	Penang.
1	7	16						7	N 16° E	2·8								8·9		22			15·38			72·79*			2·27	Singapore.

station, the data for that station are not utilized in calculating the provincial departures from normal.
42 and 44 are derived are incomplete.

¶ Mean of 29 days.
‡ „ „ 27 „

‖ Snow water.

* Rainfall for September wanting.

Table II.—Abstract of Observations recorded at 10 h. and 16 h., at 61 Stations in India, Burma, etc., in December, 1906.

Table

Abstract of Observations recorded at 10 h. and 16 h., at 6

Meteorological Province.	Station.	Elevation of barometer cistern above sea-level, in feet.	Pressure. Mean of 10 h.	Mean of 16 h.	Mean daily range.	Mean of daily mean pressures.	Departure from normal.	Mean reduced to S. L. and gravity, 45° Lat.	Temperature of Air. Mean maximum.	Mean minimum.	Mean daily range.	Highest maximum.	Lowest minimum.	Absolute range.	Mean 10 h.	Mean 16 h.	Mean of daily means.	Departure from normal.	Temperature, Wet-bulb. Mean minimum.	Mean 10 h.	Mean 16 h.	Mean of three previous columns.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Burma Coast and Bay Islands.	Port Blair	61	29·924	29·826	·098	29·875	—·007	29·867	85·8	77·6	8·2	89·0	73·3	15·7	82·7	83·2	80·9	+ 0·4	74·0	77·2	76·5	75·9
	Rangoon	36	·992	·861	·131	·925	—·022	·898	88·8	69·8	19·0	91·9	64·3	27·6	80·8	87·8	77·6	+ 2·0	67·7	71·9	73·9	71·2
	Diamond Island	41	·977	·871	·106	·924	—·021	·900	85·0	74·8	10·2	87·9	72·2	15·7	80·8	82·9	78·7	+ 1·8	69·8	73·6	74·5	72·6
	Akyab	20	30·024	·905	·119	·961	—·029	·924	81·0	66·5†	14·5	84·8	59·4	25·4	74·9	80·6	72·5†	+ 0·8		70·7	72·5	
Bengal and Orissa.	Chittagong	87	29·974	·859	·115	·916	—·022	·953	80·0	59·5	20·5	85·0	54·7	30·3	72·3	76·9	69·8	+ 1·7	58 5	66·4	67·5	64·1
	Calcutta (Alipore)	21	30·079	·958	·121	30 013	—·015	·980	78·2	58·0	20·2	82·3	52·7	29·6	71·8	76·9	67·1	+ 1·8	56·3	63·3	64·9	61·5
	Saugor Island	25	·071	·956	·115	·006	—·008	·976	79·1	61·5	17·6	84·1	55·8	28·3	73·5	76·1	69·4	+ 2·6	59·2	65·9	65·6	63·6
	False Point	21	·075	·975	·100	·017	—·013	·980	78·6	61·5	17·1	82·1	53·6	28·5	74·6	75·3	69·2	+ 2·5	60·5	66·3	66·3	64·4
Gangetic Plain and Chota Nagpur.	Hazaribagh	2,007	28·040	27·944	·096	27·983	—·013	·986	73·6	51·8	21·8	77·6	44·2	33·4	67·7	71·5	61·8	+ 1·3	48·9	57·0	58 9	54·9
	Allahabad	309	29·798	29·677	·121	29·726	—·023	·999	77·1	49·2	27·9	81·1	39·5	41·6	67·8	75·5	61·1	+ 1·3	48·4	58·4	61·1	56·0
Upper Sub-Himalayas.	Dehra Dun	2,233	27·822	27·731	·091	27·766	—·007	30·031	70·5	47·5	23·0	75·2	39·4	35·8	61·1	66·4	58·1	+ 1·8	45·2	52·7	55·9	51·6
	Roorkee	899	29·189	29·082	·107	29·125	+·003	·032	71·3	45·4	25·9	77·2	37·6	39·6	60·4	68·8	56·3	+ 0·4	45·2	55·0	57·9	52·7
	Lahore	702	29·384	29 298	·086	29·331	—·024	·033	74·4	45·3	29·1	81·5	35·5	46·0	61·7	72·1	57·7	+3·1	43·9	55·7	60·3	53·3
	Ludhiana	812	·260	·182	·078	·211	—·010	·033	70·5	48·0	22·5	78·7	40·6	38·1	59·4	67·3	57·1	+1·8	46·1	54·3	5·.6	52·0
Indus Valley and N.-W. Rajputana.	Peshawar	1,110	·007	28·923	·084	28·955	—·011	·105	66·8	45·1	21·7	74·2	35·9	38·3	57·9	63·8	53·8	+2·7	43·5	52·2	54·7	5·.1
	Jacobabad	186	·961	29·846	·115	29·899	+·003	·050†	80·1	48·1	31·7	87·1	38·1	49·0	66·7†	77·3	62·8	+ 3·9	45·4	56·1*	60 5	54·0
	Kurrachee	30	30·093	·982	·111	30·032	—·016	·013	83·7	58·8	24·9	90·7	50·8	39·9	75·9	80·8	70·5	+ 3·1	52·4	61·4	61·0	59·2
East Rajputana, Central India and Gujarat.	Jaipur	1,431	28·667	28·561	·106	28·603	—·007	·027	79·2	50·6	28·6	85·2	37·2	48·0	69·5	76·9	63·0	+ 1·5	46·0	56·1	58 5	53·6
	Udaipur	1,925	·155	·044	·111	·091		·006	78·7	48·5	30·2	84·7	42·0	42·7	69·5	77·1	63·5		44·7	57·0	60·7	54·1
	Deesa	466	29·612	29·495	·117	29·547	—·011	29·972	87·4	51·6	35·8	91·3	46·2	45·1	77·6	85·6	69·4	+ 0·4	46·4	60·2	62·8	56·5
	Jamnagar	61	30·022	·913	·109	·959		·965	83·5	56·6	26·9	92·4	47·5	44·9	75·1	81·4	69·3†		49·2	59·7	62·2	57·1
Deccan.	Belgaum	2,539	27·465	27·358	·107	27·410	—·016	·871	82·0	59·7	22·3	84·3	52·1	32·2	74·8	80·4	70·2	+ 0·9	56·2	62·5	63·7	60·8
	Sholapur	1,590	28·440	28·306	·134	28·372	—·021	·914	86·1	60·3	25·8	88·7	53·1	35·6	77·0	84·5	73·0	+ 1·7	52·5†	63·0	64·4	59·9
	Akola	930	29·133	·995	·138	29·059	—·022	·950	84·8	55·0†	29·8	89·6	46·2	43·4	74·6	83·2	69·2†	+ 2·4	51·1	63·1	65·7	60·0
	Buldana	2,132	27·924	27·807	·117	27·859	—·035	·947	80·6	59·1	21·5	86·3	53·6	32·7	74·8	78·4	69·4	+ 1·2	52·5	60·3	61·0	57·9
	Khandwa	1,044	29·012	28·878	·134	28·940	—·022	·955	84·9	52·3	32·6	89·2	44·1	45·1	73·8	83·0	68·2	+ 2·0	48·2	61·6	64·7	58·2
	Nagpur (Sanitary Commr.'s Office)	1,017	·053	·927	·126	·985	—·011	·980	82·3	55·9	26·4	86·6	50·1	36·5	72·5	79·9	68·4	+ 1·3	52·8	61·5	63·8	59·4
	Hyderabad (Deccan).	1,690	28·343	·228	·115	·283	—·021	·937	81·8	61·0	20·8	86·6	52·9	33·7	74·2	78·6	70·6	+ 1·5	57·8	64·1	65·7	62·5
West Coast.	Bombay	37	29·992	29·878	·114	29·930	—·023	·907	86·3	71·3	15·0	91·1	69·3	21·8	77·5	81·7	78·0	+ 1·6	64·8	69·0	72·7	68·8
	Karwar	44	·954	·834	·120	·893	—·018	·870	88·1	67·5	20·6	91·4	59·8	31·6	78·5†	85·2	77·0	+ 0·8	64·5	69·5†	72·8	69·1

† Mean of 30 days.

II.

Stations in India, Burma, etc., in December, 1906.

Vapour Tension.					Humidity.					Cloud.				Wind Direction.										Wind steadiness.		Wind velocity.		Rainfall.		Station.	Meteorological Province.
From minimum.	Mean 10 h.	Mean 16 h.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 h.	Mean 16 h.	Mean of daily means.	Departure from normal.	Mean 10 h.	Mean 16 h.	Mean of two previous columns.	Departure from normal.	Total number of 10 h. and 16 h. winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Mean wind direction.	Normal mean wind direction of month.	Average percentage.	Normal percentage.	Mean velocity in miles per diem.	Normal.	Total rainfall for the month.	Heaviest rainfall during the month.		
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
																									%	%						
·797	·862	·822	·852	+·001	84	77	73	80	− 1	6·1	7·5	6·8	+1·6		8	11	18	16	1	4	2	2	N 86° E	N 57° E	50	66	179*	175	3·12	1·36	Port Blair	Burma Coast and Bay Islands.
·658	·669	·660	·675	+·023	90	63	49	74	− 4	2·7	4·4	3·6	+0·7	4	21	22	5	1	3			6	N 25° E	N 42° E	66	61	33*	108	0	0	Rangoon	
·660	·732	·745	·728	+·032	76	69	66	72	− 2	2·1	3·1	2·6	−0·8	2	1	26	11	9			1	12	N 51° E	N 54° E	55	46	219*	214	0	0	Diamond Island.	
	·703	·698				80	66			3·6	4·7	4·2	+1·8	4	3	18	12	1	1	1	11	11	N 15° E	N 6° W	35	41	65*	58	0·05	0·03	Akyab	
·483	·575	·551	·543	+·018	94	72	59	75	− 1	2·9	3·0	3·0	+0·6		17	19	2			1	2	21	N 3° W	N 18° W	72	52	65*	67	* 0	0	Chittagong.	Bengal and Orissa.
·436	·473	·456	·467	+·029	90	60	49	70	− 1	3·2	3·7	3·5	+1·7	1	20	8	4	1	1	4	1	22	N 14° W	N 13° W	61	63	51*	60	0	0	Calcutta (Alipore).	
·477	·510	·491	·510	+·016	86	65	54	68	− 5	3·7	4·6	4·2	+1·7		39	13	1		4			5	N 8° E	N 2° E	77	59	177	170	0·02	0·02	Saugor Island.	
·522	·539	·534	·539	+·029	94	63	61	73	+ 1	5·7	6·3	6·0	+3·4	1	18	26	15					2	N 40° E	N 30° E	81	56	103*	139	0·42	0·20	False Point	
·314	·333	·310	·324	+·055	81	49	44	62	+ 7	1·4	1·1	1·3	−0·8	1	16	6	2	4	5	4	3	21	N 25° W	N 44° W	43	53	100*	125	0	0	Hazaribagh	Gangetic Plain and Chota Nagpur.
·335	·368	·349	·358	+·027	94	54	39	67	0	1·4	1·1	1·3	−0·2	7	7	10	9			2	18	9	N 27° W	N 48° W	34	27	41*	72	0	0	Allahabad	
·277	·324	·320	·306	+·035	84	60	49	66	+ 3	2·2	3·3	2·8	0	29		4	5	8	1	3			S 63° E	S 75° W	21	17	9†	29	0·90	0·89	Dehra Dun‡	Upper Sub-Himalayas.
·302	·365	·339	·335	+·051	95	70	48	73	+ 8	1·7	0·9	1·3	−1·0	22			1	17			1	21	N 45° W	N 66° W	7	14	53	34	0·68	0·68	Roorkee	
·274	369	370	·336	+·065	89	67	47	70	+ 7	1·9	3·0	2·5	−0·3	21	2		3	7	1		11	17	N 62° W	N 36° W	27	21	39*	31	0·25	0·25	Lahore	
·294	·358	291	·312	+·043	91	71	46	68	+ 6	1·6	1·8	1·7	−1·7	9		3	1	9			6	34	N 46° W	N 42° W	45	28	44*	31	0·45	0·45	Ludhiana	
·269	·322	·318	·301	+·077	87	66	51	71	+10	3·9	4·0	4·0	+0·3	58	1	1		1				1	N 30° E	S	3	7	3*	55	1·46	0·71	Peshawar	Indus Valley and N.W. Rajputana.
·270	·317†	·306	·296	+·054	78	48†	32	55	+ 7	0	0·2	0·1	−2·3	14	9	13	1	2	2	5	3	13	N 11° W	N 12° W	36	19	68	38	0	0	Jacobabad†	†
·321	·362	·382	·374	−·014	62	38	36	49	− 7	1·4	0·8	1·1	−0·8		4	23	8	5	1	6	13	2	N 35° E	N 48° E	26	19	135*	202	0	0	Kurrachee.	
·259	·289	·265	·271	+·004	70	40	29	51	− 2	1·0	1·6	1·3	−1·2	2	10	10	7	6	5	4	7	11	N 3° E	N 27° W	21	27	62	70	0·14	0·14	Jaipur	East Rajputana, Central India and Gujarat.
·251	·315	·328	·293		73	43	35	51		0·8	1·3	1·1		35	2	6	10	3		2	4		N 76° E		18		40*		0·01	0·01	Udaipur	
·252	·293	·270	·267	+·018	65	31	22	40	+ 3	1·1	0·9	1·0	−0·7		12	19	15	2	1	2	2	9	N 36° E	N 46° E	56	49	169*	192	0·04	0·04	Deesa	
·271†	·316	·310	317		56†	36	29	44		0	0	0			6	35	13			1	1	6	N 43° E		75		94*		0	0	Jamnagar	
·417	·419	·386	·405	+·036	79	49	38	55	+ 4	3·3	3·9	3·6	+1·1	9	4	12	28	9					N 82° E	N 88° E	70	70	133	290	0·74	0·50	Belgaum	Deccan.
·314†	·403	·362	·361	−·005	58†	41	31	45	− 2	4·0	4·9	4·5	+1·8		2	23	13	21	1			2	N 85° E	S 85° E	69	66	220*	190	0·08	0·08	Sholapur	
·345†	·435	·402	·400	+·064	75†	50	36	57	+ 5	3·3	3·4	3·4	+1·6	14	2	21	15	5	1			4	N 64° E	N 60° E	55	52	58*	77	0·91	0·47	Akola	
·324	·352	·328	·340	+·020	63	41	34	52	0	2·9	2·8	2·9	+0·7	1	11	14	14	9	5	1	1	6	N 62° E	N 81° E	45	44	112*	132	0·75	0·18	Buldana	
·290	·403	·390	·367	+·045	73	48	34	55	+ 4	1·8	2·3	2·1	+0·4	24	2	12	15	4	2	3			N 82° E	N 63° E	39	42	43*	65	0	0	Khandwa	
·370	·421	·401	·403	+·047	80	52	40	60	+ 6	2·3	3·5	2·9	+0·7	6	10	38	4	1	1		2		N 40° E	N 57° E	74	54	57*	72	0·50	0·45	Nagpur(Sanitary Commr.'s Office).	
·452	·476	·476	·475	+·035	82	57	50	65	+ 4	4·4	5·2	4·8	+2·2	38		12	10	2					N 70° E	S 78° E	34	57	68*	77	1·84	0·90	Hyderabad (Deccan).	
529	·598	·688	·630	−·009	69	63	63	68	− 4	0·5	1·2	0·9	−1·0		3	15	14		1		7	22	N 6° E	N 15° E	45	56	203	233	0	0	Bombay	West Coast.
·574	·609†	·644	·638	+·011	85	62†	54	71	+ 1	2·2	2·1	2·2	+0·8	26	16	3			1	5	1	9	N 24° W	N 6° W	36	54	56	72	1·26	1·06	Karwar††	

§ Mean of 29 days.

* Corrected.

†† Wind observations 1 less.

‡ " 12 "

Table

Abstract of Observations recorded at 10 h. and 16 h., at 61

Meteorological Province.	Station.	Elevation of barometer above sea-level, in feet.	Pressure. Mean of 10 h.	Mean of 16 h.	Mean daily range.	Mean of daily mean pressures.	Departure from normal.	Mean reduced to S. L., and gravity, 45° Lat.	Temperature of Air. Mean maximum.	Mean minimum.	Mean daily range.	Highest maximum.	Lowest minimum.	Absolute range.	Mean 10 h.	Mean 16 h.	Mean of daily means.	Departure, from normal.	Temperature, Wet-bulb. Mean minimum.	Mean 10 h.	Mean 16 h.	Mean of three previous columns.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
South India.	eriyakulam	944	29·030	28·909	·121	28·969		29·856	85·0	67·8	17·2	89·7	59·8	29·9	77·9	81·4	76·2		66·0	70·7	71·6	69·4
	Salem	940	·063	·949	·114	29·007	−·035	·889	85·8	68·1	17·7	92·0	57·3	34·7	78·8	83·9	76·1	+1·1	66·7	72·6	76·2	71·8
	Chitaldroog	2,405	27·599	27·488	·111	27·544	−·032	·877	82·4	63·0	19·4	86·1	55·2	30·9	75·4	79·5	71·8	+1·6	58·6	65·5	65·5	63·2
	Bangalore	3,021	·001	26·902	·102	26·954	−·028	·888	77·6	60·8	16·8	83·4	52·7	30·7	72·2	74·9	68·3	+0·8	59·2	64·4	65·3	63·0
	Hassan	3,091	26·947	·838	·109	·894	−·020	·884	80·0	57·8	22·2	82·8	46·9	35·9	73·8	76·6	68·0	+1·4	56·9	63·8	64·4	61·7
	Mysore	2,518	27·493	27·378	·115	27·437	−·034	880	81·5	63·1	18·4	86·1	54·9	31·2	75·0	78·8	71·2	+1·4	60·2	65·0	65·3	63·5
	Pudukkottai	118	29·675	29·559	·116	29·617		·870	83·8	70·9	12·9	91·1	66·9	24·2	78·2	81·7	77·4		69·2	71·7	73·0	71·3
	Madras	22	·965	·883	·102	·933	−·047	·887	81·6	71·4	10·2	84·9	63·4	21·5	78·6	78·6	75·7	0	70·2	74·2	74·1	72·8
	Bellary	1,475	28·531	28·407	·124	28·468	−·043	·894	86·8	64·8	22·0	91·2	56 9	34·3	78·0	82·8	75·0	+2·5		66·1	65·8	
	Waltair	*226*	29·836	29·730	·106	29·776	−·019	·946	81·3	71·0	10·3	85·7	65·1	20·6	78·8	77·8	75·4	+1·3	63·5	67·6	68·5	66·5
Hill Station, Baluchistan.	Quetta	5,502	24·772	24·690	·082	24·719	+·005	24·679	59·6	32·4	27·2	70·1	19·6	50·5	50·1	55·1	45·1	+2·8	30·9	41·5	42·9	38·4
Hill Stations, Northern India.	Leh	11,503	19·753	19·662	·091	19·702	+·003	19·670	38·3	16·8	21·5	47·9	9·7	38·2	29·2	34·7	25·7	+3·6	14·7	24·1	27·8	22·2
	Srinagar	5,204	25·048	24·958	·090	24·995	−·026	24·966	53·6	30·1	23·5	60·0	23·6	36·4	40·7	51·4	40·0	+3·7	28·4	37·9	47·8	38·0
	Sarain		23·248	23·185	·063	23·206			52·4	31·6	20·8	69·8	24·7	45·1	44·3	41·6	41·1			37·0	35·9	
	Kalabagh						Not	received.														
	Simla (Ridge)	7,224	23·189	23·135	·054	23·150	−·007	23·112	52·0	41·5	10·5	61·9	33·4	28·5	48·4	48·8	45·8	+2·4	34·0	38·4	41·1	37·8
	Chakrata	7,022	·362	·310	·052	·327	−·012	·287	57·5‡	39·8‡	17·7	65·3	28·2	37·1	51·4	49·3‡	47·6‡	+1·4	34·9‡	42·3	43·5	40·2
	Muktesar	7,556	22·964	22·896	·068	22·918	¶	22·876	55·9	41·1	14·8	69·5	31·3	38·2	49·6	52·6	47·6	¶	33·3	39·0	42·5	38·3
	Katmandu	4,388	25·796	25·667	·129	25·729	+·019	25·683	66·2	37·1	29·1	70·3	29·2	41·1	47·8	62·8	50·7	−1·9	35·7	44·7	52·0	44·1
	Darjeeling	7,376	23·079	23·039	·040	23·056	−·002	23·011	51·8	37·7	14·1	62·3	34·6	27·7	47·4	49·9	43·9	+2·1	34·4	43·3	46·1	41·3
Hill Stations, C. India.	Mount Abu	3,945	26·182	26·107	·075	26·137	−·006	26·088	68·5	53·7	14·8	71·7	47·4	24·3	65·4	65·4	60·2	+0·3	46·5	51·8	52·2	50·2
	Pachmarhi	3,526	·584	·503	·081	·537	−·013	·484	72·3	46·0	26·3	75·5	40·5	35·0	65·9	69·7	58·3	+1·2	41·3	55·4	56·9	51·2
	Chikalda	3,642	·472	·377	·095	·418	−·033	·360	72·4	53·5	18·9	74·7	50·2	24·5	66·8	69·7	62·1	−0·8	49·0	54·4	55·5	53·0
Hill Stations, S. India.	Kodaikanal	7,688	22·858	22·787	·071	22·822		22·758	60·4	48·3	12·1	67·8	43·6	24·2	56·9	56·2	54·4		44·4	51·7	53·1	49·8
	Ootacamund	*7,322*	23·097	23·034	·065	23·062		·998	63·0	46·8	16·2	67·2	39·8	27·4	59·6	58·0	54·0		43·7	52·4	52·4	49·5
	Dodabetta	8,539	22·050	21·997	·053	22·024		21·962	56·2	45·0	11·2	64·5	37·6	26·9	53·3	52·0	50·6			49·0	49·0	
Extra India.	Aden	94	30·027	29·923	·104	29·977	+·024	30·004	80·9	72·2	8·7	83·5	68·3	15·2	78·1	79·5	75·8	−0·8	68·6	70·4	69·8	69·6
	Perim	201	29·853	·741	·112	·791	−·011	29·928	84·4	73·2	11·2	85·7	72·4	13·3	81·1	82·0	77·8	−0·9	68·5	71·5	72·2	70·7
	Minicoy	7	·980	·906	·074	·947		·880	85·4			87·5			83·0	82·8				76·2	75·7	
	Zanzibar	72	29·852	·843	·109	·902	+·019	29·900	84·6	77·5	7·1	87·0	74·4	12·6	81·0	83·8	80·3	−1·6	74·0	76·6	77·1	75·9
	Port Victoria (Seychelles).	15	·987	·904	·083	·956	¶ +·020	·895	82·5	76·2	6·3	85·1	72·6	12·5	80·1	80·8	78·3	¶ +0·4	71·6	75·4	75·7	74·2
	Mauritius (Pamplemousses).	181				·858	+·036	·985				88·9	65·1	23·8			76·3	−1·7				69·9

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

‡ Mean of 30 days.

¶ Departures from old normals.

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

I—concluded.

Stations in India, Burma, etc., for December, 1906—concluded.

Vapour Tension.					Humidity.					Cloud.				Wind direction.										Wind steadiness.		Wind velocity.		Rainfall.		Station.	Meteorological Province.
From minimum.	Mean 10 h.	Mean 16 h.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 h.	Mean 16 h.	Mean of daily means.	Departure from normal.	Mean 10 h.	Mean 16 h.	Mean of two previous columns.	Departure from normal.	Total number of 10 h. and 16 h. winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Mean wind direction.	Normal mean wind direction of month.	Average percentage.	Normal percentage.	Mean velocity in miles per diem.	Normal.	Total rainfall for the month.	Heaviest rainfall during the month.		
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
																									%	%						
·617	·663	·638	·639		91	70	61	74		5·6	7·0	6·3		18	5	4	8	12	4	4	3	4	S 67° E		19		36*		2·76	1·05	Periyakulam	South India.
·642	·726	·813	·746	+·111	93	73	70	81	+ 8	5·7	6·8	6·3	+1·6	9	6	10	31	2			3	1	N 71° E	N 75° E	61	52	105*	94	1·74	0·75	Salem	
·450	·508	·460	·487	+·044	76	58	46	62	+ 4	4·5	5·1	4·8	+1·6	1	1	18	29	8	1		1	3	N 78° E	N 84° E	72	83	115*	187	2·06	1·39	Chitaldroog	
·492	·517	·520	·524	+·058	91	66	61	75	+ 5	5·3	5·8	5·6			10	22	17	5	3		1	4	N 56° E	N 72° E	63	81	173*	132	1·15	0·52	Bangalore	
·462	·484	·470	·486	+·038	95	58	52	70	+ 5	5·6	6·8	6·2	+1·8	10	1	29	15	4	2	1			N 67° E	N 75° E	66	82	30*	82	4·17	3·18	Hassan	
·496	·500	·463	·500	+·024	85	58	48	66	+ 4	6·4	6·6	6·5	+1·9		5	17	22	13	2	2	1		N 84° E	N 78° E	66	82	201*	247	2·19	0·93	Mysore	
·696	·698	·701	·698		91	72	65	76		7·1	6·7	6·9		2	19	23	6	5			1	6	N 30° E		66		211*		3·45	1·70	Pudukkottai	
·728	·789	·783	·786	+·057	94	81	80	90	+ 8	6·6	7·2	6·9	+1·4		27	13	6	11	1	1		3	N 35° E	N 21° E	57	81	191	175	15·43	4·18	Madras	
	·498	·438				53	40			5·3	5·4	5·4	+1·4	2	3	11	33	9	2	1		1	N 87° E	S 85° E	74	71	86*	79	1·23	0·66	Bellary	
·492	·534	·577	·553	+·013	65	54	60	62	− 2	6·9	7·6	7·3	+4·5		1	51	10						N 51° E	N 83° E	95	50			1·19	0·41	Waltair	
·163	·179	·155	·171	+·013	86	49	35	60	− 1	2·5	2·5	2·5	−0·7	39	1				5	2	5	10	N 83° W	N 63° W	23	24	24*	55	0·39	0·31	Quetta	Hill Stations, Baluchistan.
·071	·092	·100	·089	+·015	74	58	48	64	+ 3	6·2	6·8	6·5	+0·6			1	3	2	32	17	6	1	S 17° W	S 18° W	74	40	53	31	0·11	0·07	Leh	Hill Stations, Northern India.
·139	·199	·300	·206	+·030	82	77	77	79	− 2	4·7	4·9	4·8	−0·3	21	6	5	1	15	5	1		8	S 83° E	S 36° E	14	3	48*	62	0·59	0·51	Srinagar	
	·147	·154				54	60			3·2	3·4	3·3		39					10	13			S 26° W		34		48*		1·09	0·60‖	Sarain	
										Not received.																					Kalabagh	
·122	·132	·182	·150	+·011	48	40	53	50	+ 2	2·8	3·2	3·0	−1·0	4	15	3		3	26	5		6	S 18° W	S 12° E	18	7	128*	98	0·60	0·43	Simla (Ridge),	
·156	·180	·219	·190	+·036	64	48	61	61	+ 7	2·4	2·8	2·6	−0·5	29	3	2		10	18				S 22° E	S 51° W	35	16	119*	120	1·15	0·85	Chakrata	
·116	·129	·171	·144		47	39	44	46		2·2	2·9	2·6		19			3	3	3	3	31		S 76° W		47		154*		0·15‖	0·10‖	Muktesar	
·195	·268	·269	·249	−·019	87	79	47	74	− 1	1·3	1·8	1·6	−1·0	12	2		12	1		2	33		S 89° W	N 72° W	34	43	14	22	0·10	0·10	Katmandu	
·167	·242	·278	·234	+·027	71	74	77	77	—	3·0	4·3	3·7	−0·7	20	3	5		7	1	9	7	10	N 84° W	N 48° W	19	5	52*	70	0	0	Darjeeling	
·237	·231	·243	·242	+·021	57	37	40	52	+4	1·4	1·6	1·5	−0·3	1	9	15	4	15	1	8	2	7	N 60° E	N	23	10	** 103	98	0·10	0·10	Mount Abu	Hill Stations, C. India.
·210	·325	·321	·290	+·008	66	51	44	61	0	1·5	1·5	1·5	−0·7	6	7	16	11	7	1	7	2	5	N 57° E	N 27° E	32	20	42**	65	0	0	Pachmarhi	
·302	·287	·283	·296	−·011	72	44	39	59	+ 2	2·7	2·3	2·5	+0·2	35	2			6		18		1	S 33° W	S 75° W	27	7		120	0·91	0·32	Chikalda	
·263	·338	·378	·324		76	79	79	78		6·6	7·5	7·1		3	12	4	8	7	10	1	1	16	N 16° E		18		293		6·19	1·25	Kodaikanal	Hill Stations, S. India.
·267	·322	·340	·310		78	64	70	70		6·0	7·3	6·7		1	8	12	15	11	8	3		4	N 87° E		43		102*		3·77	0·98	Ootacamund	
	·306	·320				75	82			7·6	8·5	8·1			9	8	6	7	8	1		2	N 81° E		37		360		5·60	2·25	Dodabetta††	
·651	·645	·600	·641	0	82	67	59	70	0	4·6	1·6	3·1	−0·3 ¶		5	44	7	4		2			N 51° E	S 87° E	82	71	270*	310	0·12	0·10	Aden	Extra India.
·635	·645	·660	·657	−·023	78	60	60	67	−2	0·6	0·2	0·4	−1·2					31	31				S 22° E	N 89° E	92	75	480*	463	0	0	Perim	
	·812	·792				72	71			3·4	3·6	3·5			29	11	1	5	1	3	1	11	N 2° E		61		88*		2·51	1·68	Minicoy	
·796	·858	·843	·842	−·021	84	81	73	80	+ 2	6·9	4·9	5·9	+1·3 ¶	2	12	21	8	4	6	5	2		N 54° E	N 35° E	42	65	† 98*	151	12·84	2·24	Zanzibar	
·717	·824	·825	·814	−·018	79	80	78	81	− 2	6·8	7·1	7·0	+0·2	12	7	1	1	6	3		6	26	N 44° W	N 44° W	42	55	146	150	13·49	2·20	Port Victoria (Seychelles.)	
			·625	−·051				69	− 2			6·6	+0·5										S 83° E	N 89° E			239	259	4·33	2·68	Mauritius (Pamplemousses).	

‖ Snow water. * Corrected. ‡‡ Wind observations 21 less.

** Mean of 30½ days. § Mean of three previous columns.

†† Mean of 20 days.

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

G. I. C P. O.—No. 300 Meteo —15-8-07.—385.—W.H.D.R.

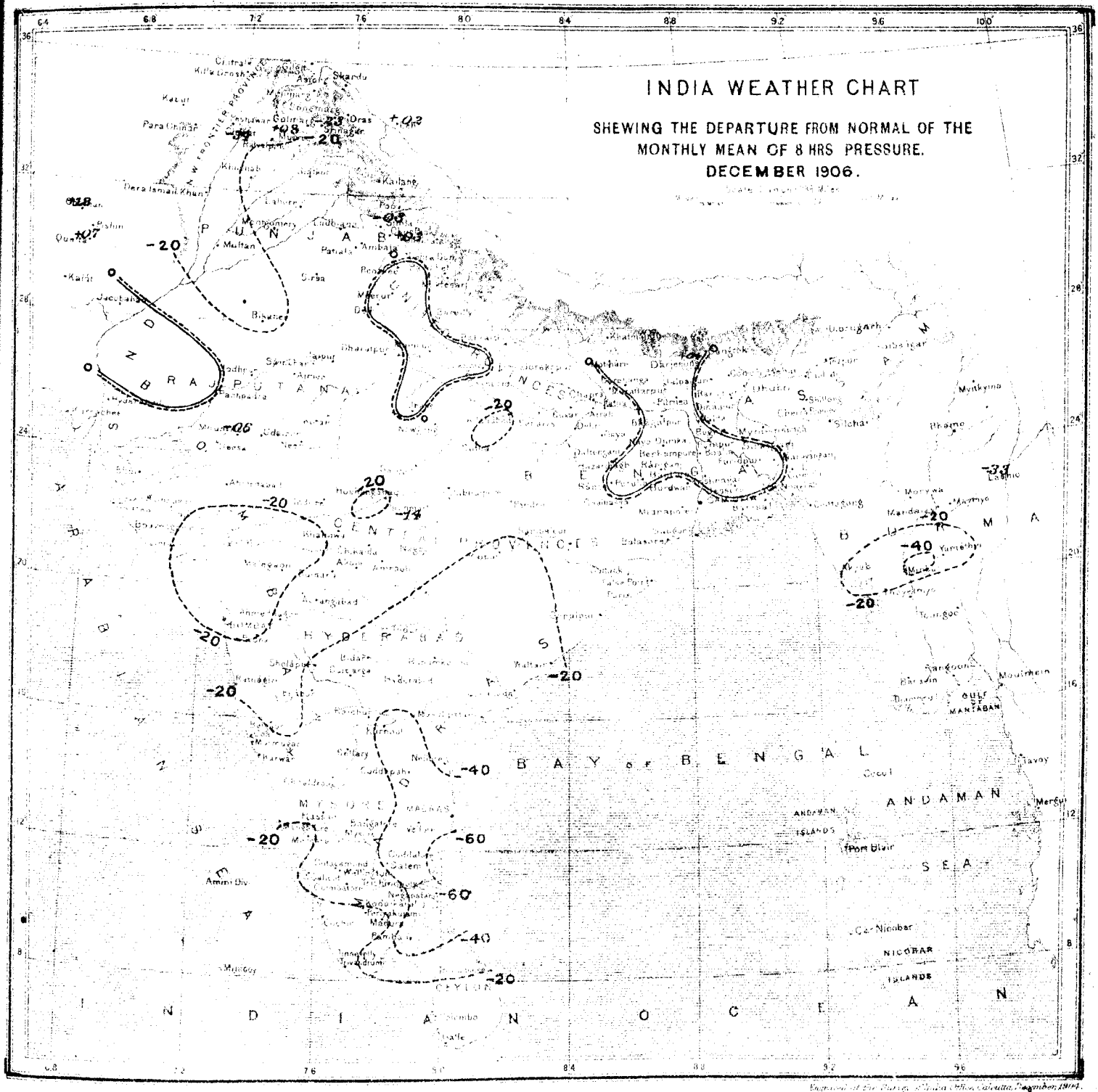
Engraved at the Survey of India Office, Calcutta, December 1906.

LITHO BY P. N. BANERJEE.

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

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

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



Engraved at the Survey Office, Calcutta, December 1906.
LITHO BY P. N. BANERJEE.

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

PLATE III.

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

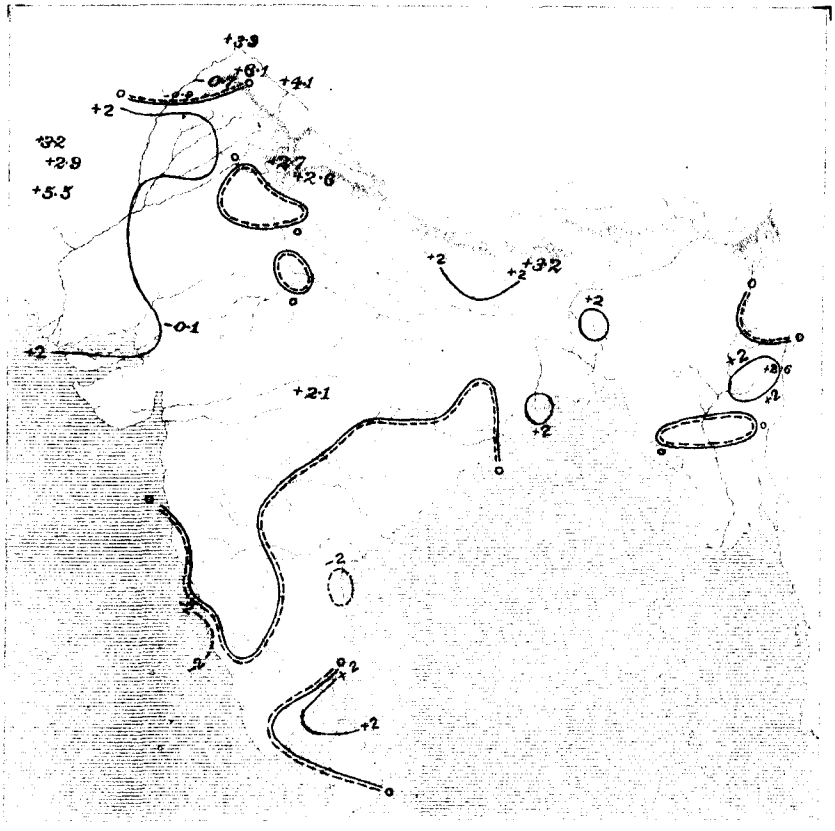
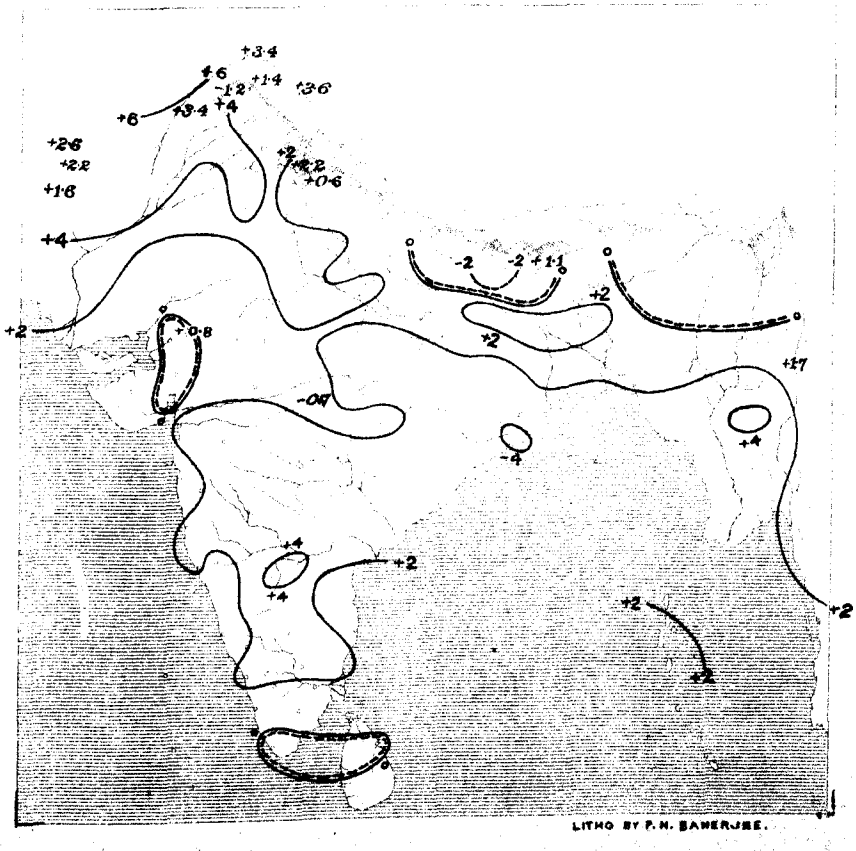


CHART SHEWING THE DEPARTURE FROM NORMAL
OF THE MONTHLY MEAN OF DAILY
MINIMUM TEMPERATURE.



LITHO BY P. N. BANERJEE.

PLATE IV.

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

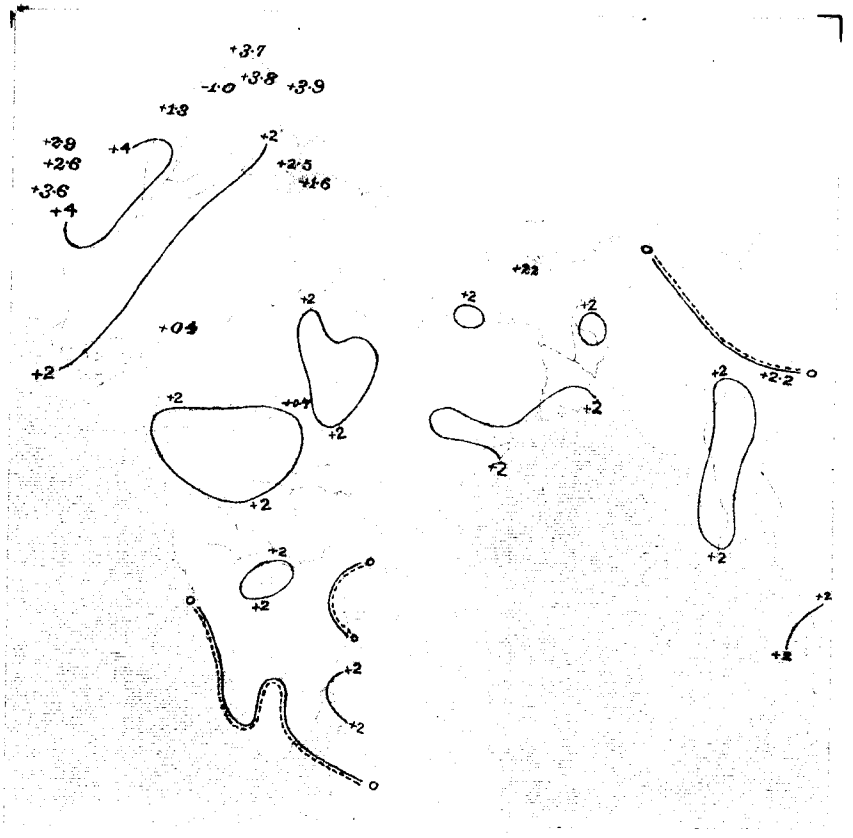
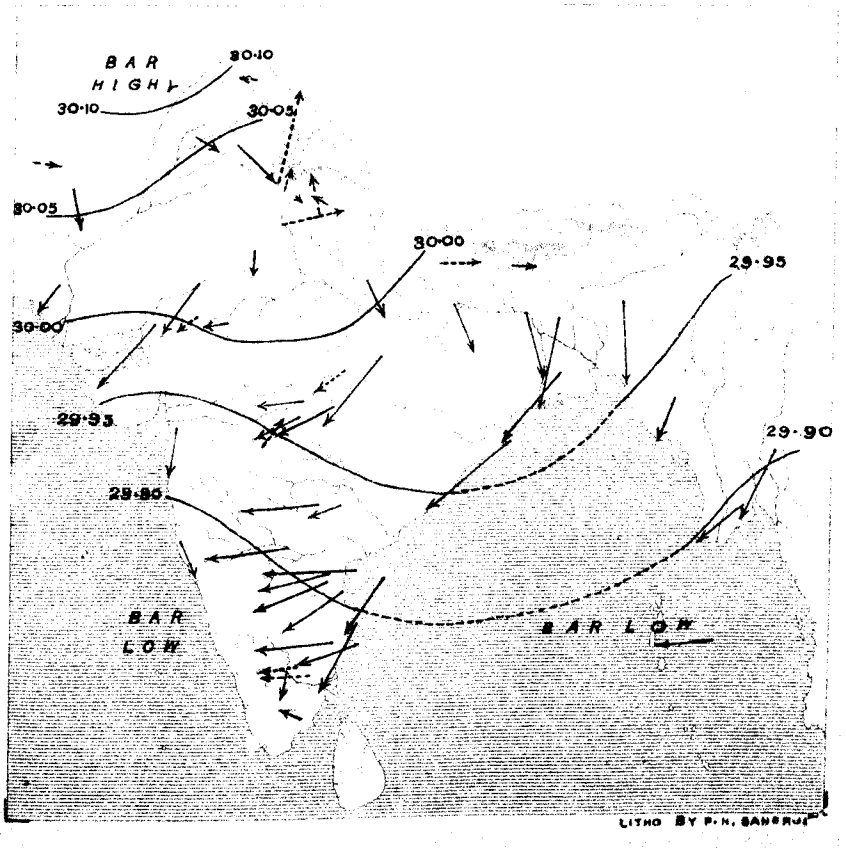


CHART SHEWING THE MONTHLY MEAN OF
PRESSURE AND RESULTANT
WIND DIRECTION.



LITHO BY P. N. SANGRUR

PLATE V.

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

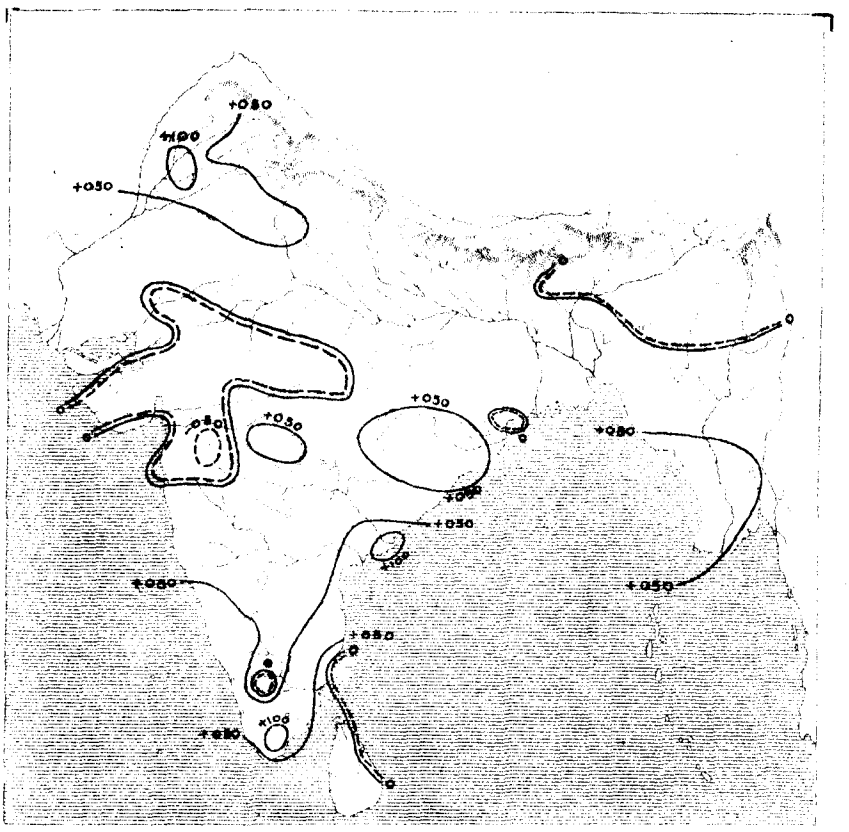
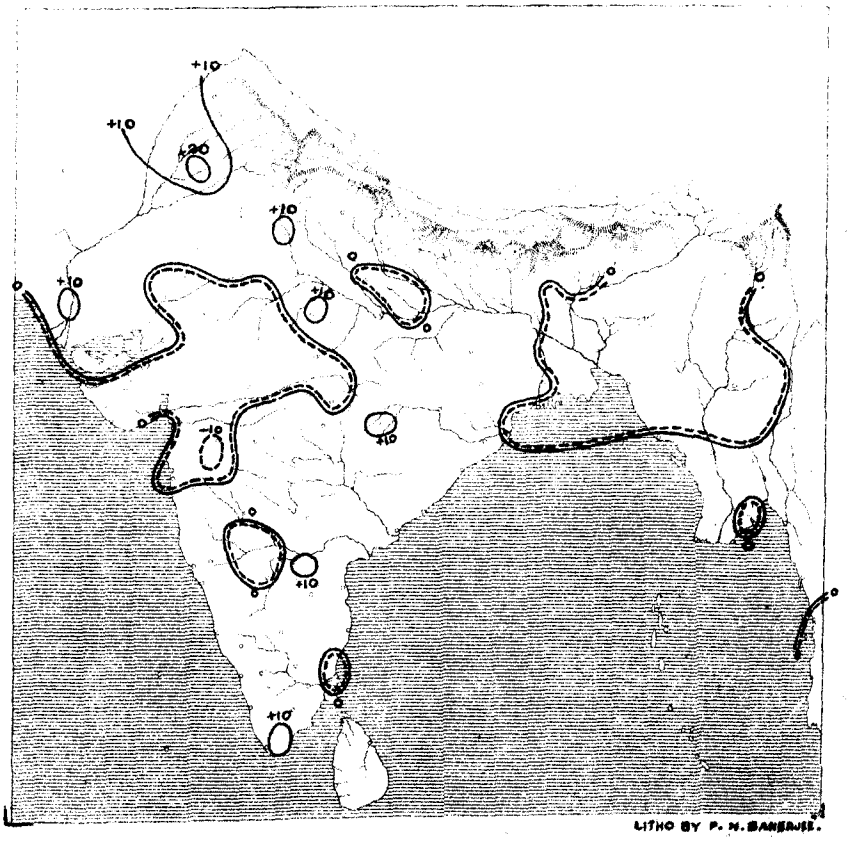


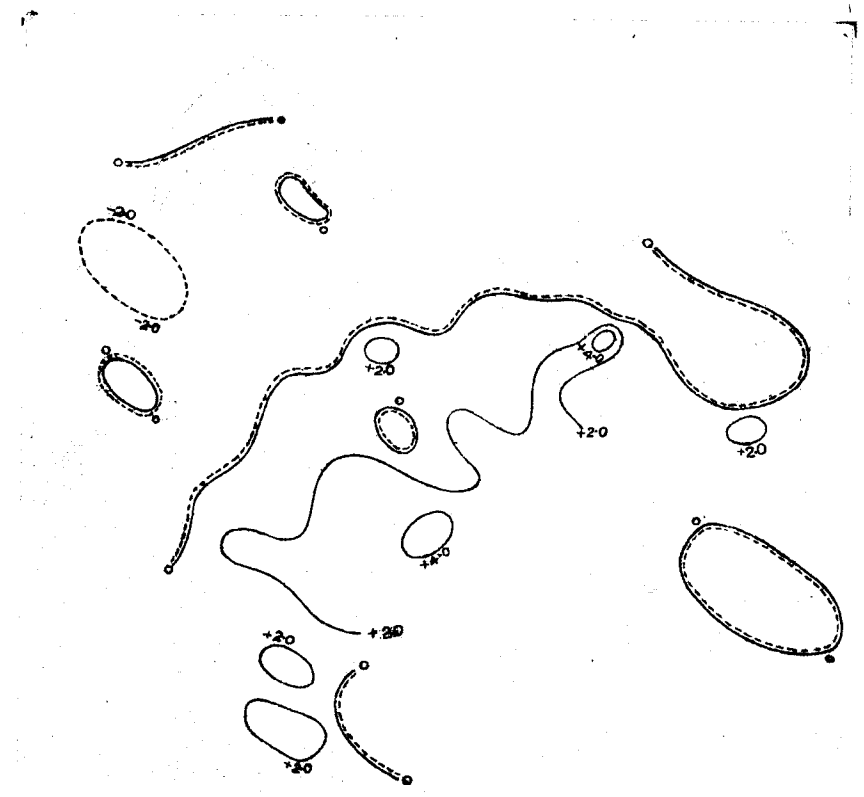
CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF RELATIVE HUMIDITY AT 8 HRS.

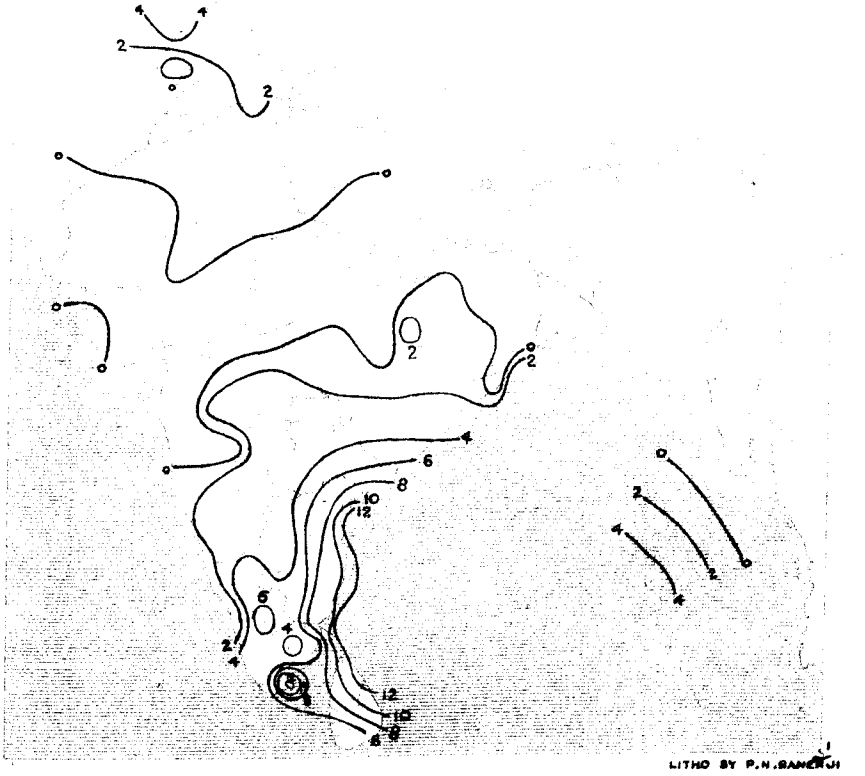


LITHO BY P. N. BANERJEE.

CHART SHEWING THE DEPARTURE FROM NORMAL
OF THE MONTHLY MEAN OF CLOUD
AMOUNT AT 0 HRS.

PLATE VI.



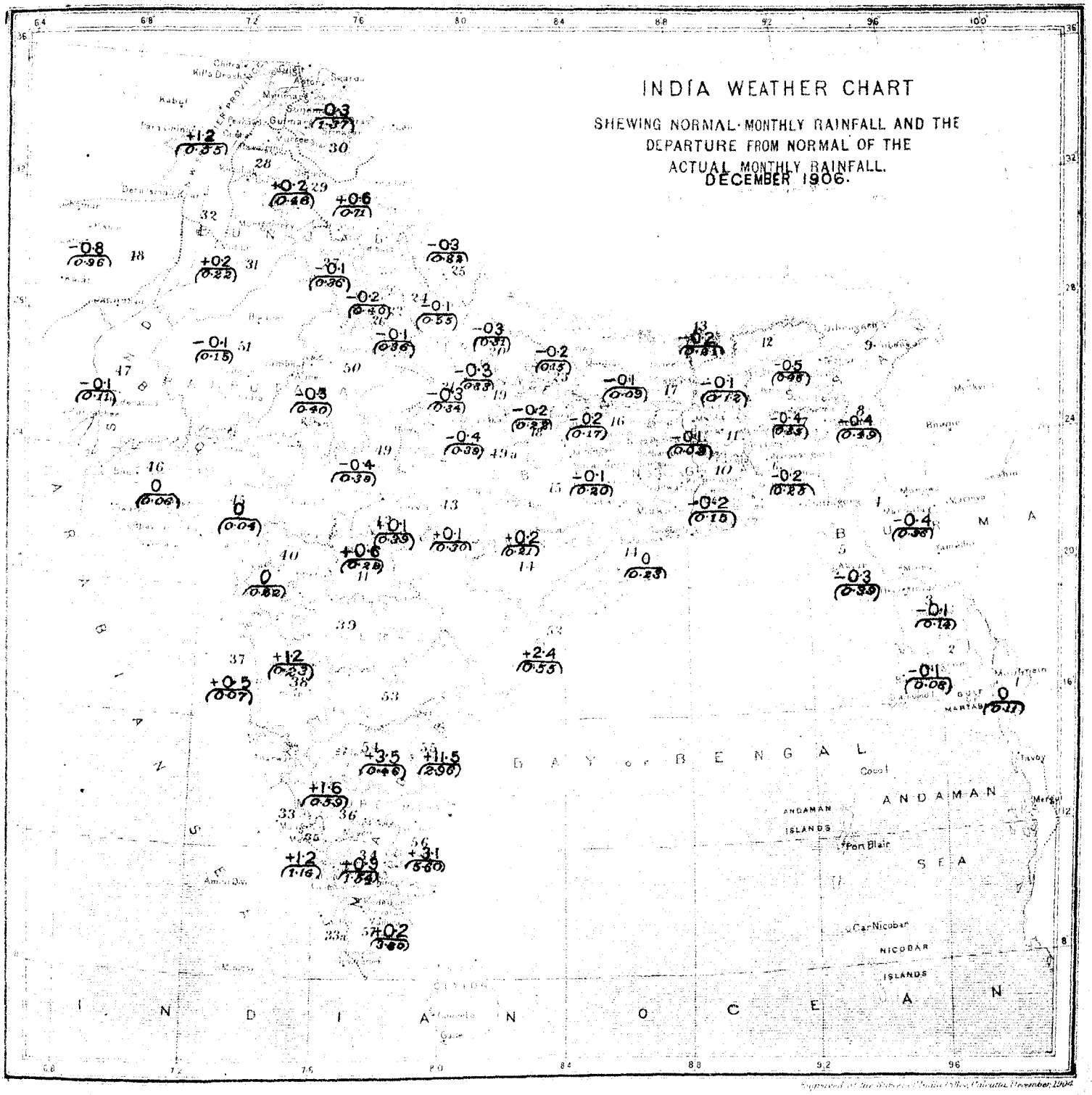


LITHO BY P.N.BANERJI

Engraved at the Survey of India Offices Calcutta, December 1904.

LITHO BY P.N. BANERJI.

The chart shows the distribution of the rainfall of the month by means of isohyetic lines or lines of equal amounts of rain. **The data used in the preparation of this chart are the rainfall returns of all the observatories in India except those at the hill stations over 3,500 feet in elevation (177 in number). The double line or line of no rainfall separates areas in which the rainfall exceeded a tenth of an inch from those where it was actually or practically *nil* (*i.e.* less than a tenth of an inch). The dotted line faces the area of no rainfall.**



Engraved at the Survey of India Office, Calcutta, December 1906.

The country is divided into 57 areas, over each of which the meteorological conditions are fairly uniform, and the staple crops similar in character. The numbers in bracket on the chart give the average over the division of the normal monthly rainfall; the numbers above these give the departure from these normals of the average actual rainfall over the division. The name of the district can be ascertained by referring in the following list to the number given in each district in red figures.

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