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ANNUAL SUMMARY, 1927.

GENERAL REMARKS.

The outstanding features of the year were the occurrence of exceptionally heavy rain and severe floods in Gujarat and in parts of Orissa at the end of July and of two cyclonic storms in November which passed inland, one from the south of the Bay of Bengal and the other from the mid-Arabian sea.

The year's average rainfall over the plains of India as a whole was approximately normal.

The seven western disturbances which entered northwest India in ***January*** failed to give the usual amount of winter rains. The general feebleness of the disturbances was marked by an absence of the usual alteration of warm and cold spells of weather over northern India, and by a prolonged duration of cold weather over northwest India including the United Provinces and Central India. The western disturbances, however, exhibited well-marked southern portions which travelled along the temperature contrast boundary and produced an excess of rainfall over most of north-east India. Weather in the south of the Peninsula remained generally dry. Conditions changed in ***February*** when five western disturbances caused abundant rainfall over the whole of northern India from Baluchistan to Upper Burma, with abnormally cold weather over that region during the last week of the month.

Rainfall was again in large defect over northwest India in ***March*** in spite of the frequent passage of western disturbances; their activity was however, marked in the central parts of the country, where rainfall was in moderate excess and caused spells of wet weather over northeast India. Numerous thunderstorms occurred in Tenasserim, particularly during the last week of March, while they were quite frequent in Malabar during the first fortnight. In ***April*** the western disturbances, six in number, were normally active over northern India during the first fortnight; later they ceased to give rain over northwest and central India, but caused unusually wet weather over Bengal and Assam. The third, fourth and sixth western disturbances, while passing over northeast India, are reported to have given rise to local storms of great severity over east Bengal, causing considerable loss of life and damage to property about the 9th, 16th and 28th. Thundershowers occurred almost daily in south Burma during the whole month. Disturbed conditions in the south of the Bay of Bengal between the 26th and 28th caused widespread rain, often with thunderstorms, in south Madras during the last week of the month. In the month of ***May***, advances of monsoon were restricted to Burma and Malabar; one advance, however, was associated with widespread thundershowers in the south of the Peninsula between the 19th and 21st. In the Bay of Bengal a shallow depression which formed in the southwest of that area moved rapidly northeastwards and developed into a storm on the morning of the 7th. It crossed the coast near Akyab the same evening and caused widespread rain in Burma and Bengal during the day with locally heavy falls in Burma. A violent local storm occurred in Calcutta on the afternoon of the 11th and caused great damage to property; a number of ships broke their moorings, several country boats were sunk and some lives lost. The western disturbances in this month were fairly active in the extreme north and the United Provinces and caused frequent dust or thunderstorms in northwest India. Temperature was practically normal almost everywhere during May.

In ***June*** the main advance of the Arabian Sea monsoon was marked by the formation of a storm near the Laccadives on the 6th; the monsoon was thereafter fairly active in the Peninsula and extended well into Gujarat and the Central Provinces but not further northwards. The Bay monsoon, under the influence of a storm which passed from the head of the Bay to Chota Nagpur and Bihar, extended into northeast India in the first week of June. Another storm which formed off the Orissa coast on the 16th and moved to the west United Provinces caused a general strengthening of the Bay current over northeast India and the central parts of the country. On the whole, however, the Bay monsoon was generally feeble over its field of activity from Burma to the United Provinces. During the first fortnight weather remained more or less unsettled over northwest India and in the adjacent parts where numerous duststorms occurred almost daily. Temperature variations in June practically followed the incidence of rainfall. Both branches of the monsoon were normally active in ***July***. A deep depression from the head of the Bay which moved through the central parts of the country between the 23rd and 27th and then remained stationary over south Rajputana for two days produced a most unusual concentration of rainfall in northeast Gujarat, where severe floods caused serious damage to life and property.

During ***August*** the Arabian Sea monsoon was weak over the Peninsula but extended into the central parts of the country and was unusually strong in Rajputana under the influence of the Bay depressions travelling to these regions. The Bay monsoon was normally active in Burma, but somewhat weak over northeast India. Three depressions formed at the head of the Bay during the month; the first travelled from the Ganjam coast to the west United Provinces between the 7th and 17th, the second from Orissa through the United Provinces to Upper Sind between the 16th and 21st and the third from Orissa to the United Provinces between the 21st and 27th. All caused widespread and locally heavy rain along their track and particularly in Rajputana between the 18th and 20th. From the beginning of ***September*** the Arabian Sea monsoon was generally weak and showed signs of retreat from northwest ~~India. The activity~~ of the Bay mon-

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soon was concentrated largely in Upper Burma, Assam and Bengal and in the Peninsula with occasional extensions into Bihar and Orissa and the United Provinces. Variations of temperature in this month were largely determined by distribution of rainfall.

In ***October***, the southwest monsoon continued to be active over Burma and Assam, but weakened over the rest of northeast India. On most of the days weather was dry over northwest and Central India, but there was an unusual concentration of rainfall in the west Central Provinces, the west United Provinces and the Punjab East and North caused by the depression which passed from the Bay of Bengal to the central parts of the country in the beginning of the month. With the westward movement of a typhoon from the China Sea a low pressure area appeared over Burma which gave extensive and locally heavy rain in that division between the 8th and 11th. The northeast monsoon revived over the Madras coast on the 20th, but remained confined to the extreme south of the Peninsula till the end of the month.

The chief feature in ***November*** was the occurrence of two storms which passed inland, one from the south of the Bay of Bengal in the beginning of the month and the other from the Arabian Sea in the middle of November. The principal rainfall associated with these disturbed conditions occurred over the region extending from the United Provinces to Hyderabad over which area the month's precipitation was very much in excess. The first storm caused serious disaster on the Madras coast, especially in the Nellore district, while the second caused considerable havoc among coastal craft, two ferry steamers being lost. Generally dry weather prevailed over the country for about the last ten days of November. In ***December***, the northeast monsoon remained feeble, and the eight western disturbances which crossed the frontier during this month were weak and failed to give the usual amount of rain in northwest India. More or less normal temperatures prevailed in December except for rather low night temperature over northwest India and the Peninsula.

PRESSURE.

In January, pressure was appreciably low over the country except in Burma, northeast India and in Sind, the area of the lowest pressure being over the central parts of the country and Hyderabad. The pressure over the plains of India in February was approximately normal, except in Assam where it was relatively low.

In the month of March, pressure was on the average ·044″ below normal over the country, the negative departures being ·050″ or more in the United Provinces, the Punjab, North-West Frontier Province, Central India, Hyderabad and Madras; it continued low over the country during April also, but the average defect was only ·030″. Pressure over the country as a whole was normal in May and above it in June with a pronounced region of high pressure extending over the whole of northwest India.

In July, pressure over the plains of India was normal on the average, but there was a relatively low pressure area extending over the central parts of the country, Bombay and Rajputana, and over Bihar and Orissa.

During the remaining five months, average pressure over India remained very slightly above normal; the positive departures were appreciable in Mysore in August, in Burma, Bihar and the Central Provinces in September, in Bombay and Hyderabad in October and in Burma, northeast India, Mysore and Madras in December.

On an average over the plains of India pressure was low in January, March and April and high in June; it was within ·020″ of the normal during the rest of the year.

TABLE 1.—*Departure of the mean monthly and annual pressure from the normal in the 15 chief political divisions of India in 1927.*

Division.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
	″	″	″	″	″	″	″	″	″	″	″	″	″
Burma	—·018	—·002	—·042	—·022	—·001	+·013	—·011	+·001	+·022	+·013	+·010	+·025	—·001
Assam	—·012	—·021	—·023	—·045	+·005	+·021	—·002	+·009	+·010	+·006	+·013	+·026	—·001
Bengal	—·017	—·014	—·029	—·044	+·004	+·021	—·016	+·010	+·017	+·008	+·017	+·019	—·002
Bihar and Orissa	—·018	—·013	—·032	—·041	+·004	+·005	—·021	+·006	+·021	+·007	+·016	+·023	—·004
United Provinces	—·024	—·018	—·051	—·042	+·007	+·005	—·005	+·016	+·002	—·006	+·013	+·010	—·008
Punjab	—·030	—·008	—·058	—·038	+·017	+·038	+·006	+·015	—·004	—·008	+·006	0	—·005
North-West Frontier Province	—·024	—·009	—·054	—·033	+·017	+·045	+·011	+·017	—·005	—·006	+·009	+·007	—·002
Sind	+·001	+·015	—·028	—·025	+·019	+·064	—·011	+·015	+·003	+·008	+·010	+·003	+·006
Rajputana	—·028	—·003	—·047	—·013	+·004	+·043	—·029	+·012	+·012	+·008	+·017	—·001	—·004
Bombay	—·029	+·001	—·044	—·014	+·003	+·026	—·022	+·005	—·008	+·028	+·009	+·003	—·003
Central India	—·043	—·016	—·052	—·035	—·007	+·013	—·029	+·004	+·011	+·001	+·012	—·001	—·012
Central Provinces	—·045	—·008	—·042	—·028	—·010	+·010	—·026	+·010	+·022	+·009	+·008	+·006	—·008
Hyderabad	—·042	—·006	—·051	—·022	—·001	+·017	—·015	+·016	+·008	+·029	+·003	+·013	—·004
Mysore	—·020	+·003	—·042	—·013	+·007	+·016	+·005	+·020	—·006	+·046	+·007	+·025	+·004
Madras	—·031	—·007	—·050	—·028	+·001	+·007	—·004	+·013	0	+·037	+·009	+·021	—·003
MEAN OF INDIA	—·027	—·007	—·044	—·030	+·003	+·021	—·013	+·010	+·008	+·012	+·011	+·012	—·004

DEPRESSIONS AND CYCLONIC STORMS.

Five storms occurred in the Bay of Bengal and two in Arabian Sea during the year. The dates on which they occurred and their intensities are summarised below in Table 2. Detailed descriptions of these storms as well as of 18 depressions and 2 periods of disturbed weather follow this table. A list of western disturbances of the year and of the most important local storms, together with a list of localities in which winds of force 9 or more were experienced by ships in the Indian Seas is also given.

TABLE 2.

Serial No.	Locality.	Month.	Date.	Greatest observed barometric depth.	Intensity.
6	Bay of Bengal	May-June	May 29 June 6	>0·5″	Severe.
7	Arabian Sea	May-June	May 31 June 9	0·2″	Severe.
9	Bay of Bengal	June	16—20	>0·5″	Moderate.
14	Do.	July	27—31	0·3″	Severe.
24	Do.	October—November	Octr. 29 Nov. 4	2·7″	Severe.
25	Arabian Sea	November	10—13	>0·2″	Severe.
26	Bay of Bengal	November	14—17	not known	Slight.
*	Arabian Sea	November 1926.	6—17	about 1″	Severe.

* For want of complete information from ships a description of this storm could not be included in the Annual Summary for 1926, as stated in the footnote to the corresponding table in that volume.

1. *Depression of 11th to 14th February.*—With the approach of a depression from the west on the 11th, weather became very unsettled in the Gulf of Oman, *S. S.* "*Barpeta,*" near Lat. 24°—30′ N, Long. 58°—30′ E reporting very rough sea with strong SSE winds, at 20 hrs. on the 11th. Strong winds continued along the Baluchistan and Persian Coasts, as is shown by the reports of the steamer *S. S.* "*Borala*" on the 12th, which experienced SE winds of gale force along with rough seas near Lat. 24°31′ N and Long. 61°56′ E. On the morning of the 13th the depression was well marked over Sind; thence it passed further inland to Rajputana, weakening however at the same time.

2. *Disturbance of 3rd to 9th April.*—In the first week of April there was a temporary advance of monsoon winds accompanied by unsettled weather in the south of the Bay. Abnormal northerly winds were reported from the southwest of the Bay on the 3rd the *S. S. Loredano*, noon position 3rd 11° 42′ N, 84° 30′ E and 4th 14° 56′ N, 85° 49′ E had winds of force 6 to 8 throughout the 3rd. The winds experienced by other steamers in this region were however only light to moderate. The unsettled conditions persisted during the next three days and appear to have moved eastwards to the Andaman Sea. They caused moderately heavy rain in the Andamans on the 5th and 6th, and in the Nicobars on the 6th. Widespread rain fell on the south Burma coast on the 6th and 7th.

There was a second temporary advance of monsoon winds into the south of the Bay in the last week of the month which caused widespread rain in south Madras between the 25th and 28th.

3. *Depression of 14th to 17th April.*—A western disturbance which was marked over Baluchistan on the 14th intensified into a depression over Sind by the next morning; Jacobabad showing a pressure deficiency of 0·13″ from normal. It caused strong winds and rough seas over an extensive area in the northeast Arabian Sea which persisted from the 15th to the evening of the 16th. Northerly winds affected the sea as far as Lat. 8°30′ N. Longitude 55°30′ E as shown by the very rough sea reported by the *S. S.* "*karoa*" at 7 hours on the 18th. Subsequently the depression merged into a trough of low pressure extending from the east Punjab to Bengal.

4. *Depression of 4th to 7th May.*—In the beginning of May weather became unsettled in the neighbourhood of Ceylon owing to a temporary advance of monsoon winds into the south of the Bay; heavy rain fell in the southwest of that is land, Colombo recording 7″ in the 48 hours ending 8 hours of the 2nd. On the morning of the 3rd an ill-defined "Low" appeared in the southwest of the Bay and next day it was shown as an elliptical depression extending from Ceylon to the centre of the Bay. There was a northward extension of rainfall to the east of the depression, and widespread rain was reported from the Andaman Sea area and the Arakan coast. Rain-squalls also become more frequent in the south of the Bay. The depression moved slowly northeastwards in the next two days and began to concentrate off the south Arakan coast on the afternoon of the 6th. Heavy rain fell at Kyaukpyu on this day and by 8 a.m. of the 7th there was a well marked depression centred near 17½° N 91° E. Steamships Gogra, Shahjahan and Nurjahan which were within some 100 miles of the central area reported strong winds, rough seas and squally weather. The depression then rapidly advanced towards the coast and passed inland the same afternoon, the central area passing close to Akyab where pressure fell to 29·52″, 0·23″ below normal, between 13 and 14 hours. Very heavy rain fell in the vicinity of the centre, Akyab recording 7″ in the period 11 hrs. to 19 hrs.

5. *Depression of 14th to 17th May.*—A second temporary advance of the monsoon occurred in the second week of the month, but on this occasion the current was directed to the southeast of the Bay. Rainfall commenced in the Nicobars and in south Tenasserim on the 11th and extended northwards to the Pegu coast next day; at the same time, conditions became unsettled in the Andaman Sea. Moderately heavy rain continued on the south Burma coast on the 13th and a shallow depression was shown over the north Andaman Sea on the 8 hrs. weather map of the 14th. At 19 hrs. of the 13th, Moulmein recorded 29·69″, 0·06″ below normal. Owing to a general rise of pressure the defect of pressure around the depression on the remaining days was less. The depression became more marked in the next 24 hours and on the

morning of the 15th the deficiency at Table Island which was not far from the centre was only 0·03″. The depression then moved in a northwesterly direction and was centred about 100 miles southwest of Diamond Island on the morning of the 16th. From there it advanced almost due north to a position near 18° N, 91¼° E on the morning of the 17th. The winds experienced by steamers in its neighbourhood did not exceed force 6, and seas were generally moderate. Some steamers off the mouths of the Irrawady and the south Arakan coast reported heavy rain squalls on the 15th-16th. It had weakened considerably by the 17th and passing inland across the north Arakan coast the same night disappeared after causing fairly widespread rain in central and south Burma.

6. *Cyclone in the Bay of Bengal, 29th May to 6th June.*—The depression which affected the Bay of Bengal between the 12th and the 17th May 1927 disappeared over Upper Burma on the night of the 17th—18th. Immediately after this, an advance of the monsoon began in the south of the Bay. By the morning of the 20th squally and rainy conditions had spread to the Andaman Sea area. This monsoon activity continued for the next few days; and had strengthened markedly by the 24th. On this day a trough of low pressure lay over the tract from northwest India to central Burma. During the next three days heavy rain fell in north Tenasserim, and the trough of low pressure deepened over the Bay and the northern half of the Andaman Sea. At 8 hours on the 28th the pressure deficiency from normal was greatest over central Burma and the monsoon was vigorous in the south of the Bay up to Lat. 13° N. By the morning of the 29th, 4″ of rain had fallen at Diamond Island and the 'low' was passing out into the Bay across south Arakan. At 18 hours *S. S. Egra*, Captain C. C. Gwyn, had near 17½° N, 91½° E. light northwesterly wind, with heavy swell from the southwest, while two hours later *S. S. Coconada*, Capt. J. McKerrell (Rangoon to Cocanada) experienced strong westerly wind and rough sea, near 16½° N, 91¾° E. The latter steamer was moving away from the disturbance and yet her logged observations, particularly the wind changes, indicate that the 'low' was concentrating and moving slowly in a nearly westerly direction. During the 30th *S. S. Aronda*, Capt. H. Hobday, and *S. S. Chilka*, Capt. C. Brown, both bound for Rangoon from Calcutta and Cocanada respectively, passed into the disturbed area. The significant facts noticeable in the logs of these steamers are (1) a fall of pressure of 0·09″ on Aronda between 16 and 20 hours, followed by a further fall of 0·02″ during the next four hours, (2) a fall of pressure of 0·04″ between 20 and 24 hours on Chilka, followed by a very rapid fall of 0·08″ during the next two hours, (3) the rather abrupt replacement of the E wind by a S W wind on Aronda after 18 hours and of the S W wind by a NNE wind on Chilka at 14 hours, followed in the case of the latter steamer by a gradual backing to WNW. These observations show that a deep depression had formed, that Aronda was near the centre at about 20 hours, that the depression had not yet been attended with strong winds and that it was moving westnorthwest. At 7 hours on the 31st *S. S. Shahzada*, Capt. A. J. Cavallo, had near 18½° N, 92½° E., a moderate SE wind, while *S. S. Laisang*, Capt. P. Jowitt, (Straits to Calcutta) experienced at 8 hours near 16¾° N, 90½° E, a moderate WNW wind; the centre of the depression at 8 hours was apparently near 17¼° N, 91¼° E, where the deficiency of pressure was about 0·4″. During the rest of the day the wind encountered by Laisang veered through N to NE, but the force was never more than 6.

By the morning of the 1st June the disturbance was a storm; there were no steamers in its vicinity, but the centre was then probably near 17½° N, 90¾° E, with a pressure deficiency of 0·5″. During the day the mail steamers Angora, Capt. J. A. Wright, and Arankola, Capt. J. G. Kilner, bound for Calcutta and Rangoon respectively, reached the storm area. Their logs show (1) a fall of pressure of about 0·2″ on Arankola and of 0·1″ on Angora between 16 and 20 hours. and (2) the veering of the wind from ENE to SSW on Arankola, and its backing from SW to NE on Angora. Evidently the centre, in the evening, was only a short distance to the northwest of its position at 8 hours and its track had become northwesterly. Next morning the storm centre was near 18° N, 90¼° E. Later in the day *S. S. Maharani*, Capt. G. F. Elliott (Andamans to Calcutta), passed into the storm area and her log is the only source of information regarding the progress of the storm during the day. Her barometer fell 0·09″ between 16 and 20 hours, and rose by an equal amount during the next four hours, she experienced winds of force 4 to 5 at 8 hours. 7 to 8 between 12 and 20 hours, and of force 6 at midnight, the direction being WSW up to 20 hours, when it changed to SW. She encountered such very rough seas at 20 hours that she had to heave to and head southwest. It would seem that the track of the storm had since 8 hours become parallel to the course of the steamer, but that the storm was travelling more slowly than the steamer till 20 hours, and faster subsequently.

On the morning of the 3rd the storm was centred near 19½° N, 88½° E. During the day, in addition to Maharani, three steamers, Warla, Capt. Chas. Woodruffee, Seattle Maru, Capt. G. Fujita, (both Calcutta to Rangoon) and Santhia, Capt. A. B. D'Cruz (Straits to Calcutta), were in the neighbourhood of the storm. Maharani had a moderate SSW wind at 8 hours, a wind of force 8 from SSE and S-E respectively at 10 and 11 hours, a S-W to SSW wind of force 5 to 7 between 12 and 20 hours and a SSE wind of force 8 at midnight; as on the previous day her barometer fell rapidly between 16 and 20 hours, the fall being as much as 0·15″; it was lowest at about 21 hours, but it rose by an equal amount during the next 3 hours. She hove to a second time at noon and again at about 22½ hours heading southerly, until the weather moderated next day. She was then near 19½° N, 89½° E, for sixteen hours. Warla experienced at 8 hours an ESE wind of force 6 near 20° N, 89¼° E, and gales between 12 and 20 hours; the direction during this period changed from ESE through S to SSW, her barometer was lowest at 12 hours, having fallen nearly 0·25″ since 8 hours, Seattle Maru near 20° N, 89° E. had a fresh NE wind at noon. and SE-E gales between 20 hours and midnight; her barometer was lowest at 21 hours, the fall since 8 hours being about 0·5″. Santhia was near 18° N, 90° E at noon where she had a SSW wind of force 6, but although the strength of wind experienced by this steamer remained unchanged during the next 24 hours, the direction became SW at 16 hours, S at 20 hours, E at midnight and N at 4 hours on the 4th; her

barometer was lowest at midnight having fallen about 0·22″ since 8 hrs. The observations of these 4 steamers indicate that the storm centre moved little since 8 hrs. that the track was becoming almost due north, that the storm continued to intensify and that after 21 hrs. the storm commenced to advance faster and was centred at midnight near 20° N, 88½°E.

The storm was encountered during the early hours of the 4th between 20½° N, 88¼° E and 20° N, 88½° E by *S S. Egra*, Capt. C. C. Gwyn (Calcutta to Rangoon), who left Diamond Harbour on the afternoon of the previous day. The wind experienced by her backed from NE to WSW between midnight of the 3rd—4th and 4 hours on the 4th, the force being 12 at the last named hour: her barometer fell by nearly 0·4″ between midnight and 3 hrs. and rose by nearly 0·2″ in an hour and by another 0·3″ during the next four hours. This steamer was evidently at a very short distance to the west of the storm centre at 3 hrs. Ship's observations lead us to believe that the storm this day was severe but of small extent, with a ring of high winds at a comparatively short distance from the centre.

At 8 hrs. on the 4th P. V. *Andrew*, Capt. Reaks, at the Sandheads began to experience frequent northeasterly squalls of increasing violence, and in order to get more sea room she commenced to cruise eastwards. At that time the centre of the storm was about 30 miles to the southeast of the vessel. The barometer was lowest at 11 hrs. having fallen 0·27″ since 8 hrs. Between 10 and 11 hrs. her wind backed through N to NW and increased to force 11-12, which "lay the vessel practically on her beam end." At 11 hrs. she had a NW wind of force 10 which later backed to WSW. The vessel had by then moved to a position some distance to the southeast of the Eastern Channel Light Vessel Meteor, which encountered at noon hurricane winds from NE. Like Andrew, Meteor experienced at first a backing of wind to NW and later to WSW. The observations of these two vessels point to the storm centre passing to their east and show that at noon it was near 21° N, 88½° E. At 15 hrs. on the 4th the centre was about to cross the coast at a short distance to the east of Saugor Island. That station experienced a wind of 62 miles per hour at the time. A chart to illustrate the storm at this stage is attached at the end (Plate III).

The storm was encountered at Mud Point by P. V. *Lady Fraser*, Capt. Park, proceeding to the Sandheads from Calcutta to relieve *Andrew*. *Lady Fraser* had at Diamond Harbour at 14 hrs., a NE wind of force 5. By 16 hrs. when she anchored at Mud Point the wind had backed to N and increased to force 10-12. Half an hour later she experienced a hurricane from NNE. Subsequently the wind weakened and was only ENE force 3 at 17 hours 40 minutes, when she recorded her lowest barometer. Then it veered gradually to SW, and by 19 hours 45 minutes had again increased to hurricane force. At 20 hours 30 minutes she had winds of force 10, with squalls of 'tremendous velocity.' The wind then began to abate gradually and went down to force 6 at 23 hours 30 minutes Capt. Park remarks that the barometer rose slightly at the first lull, but remained steady till after the centre had passed. The sequence of weather conditions recorded on *Lady Fraser* shows that the centre of the storm passed a very short distance to the west of the vessel and that in all probability there was a calm centre. An enlarged trace of the barograph during the passage of the storm on *Lady Fraser* reproduced at the end, illustrates the pressure changes (Plate III).

The storm passed some distance to the west of Diamond Harbour at 20 hrs. as indicated by the observations of *S. S. Orna*, Capt. H. Brown, who anchored at this place at 16 hours. This is corroborated by the log of the Steam Dredger *Balari*, which was on the Rupnarain. As in the case of *Lady Fraser* the lull in the winds on *Balari* occurred later than the time of the lowest barometer.

The storm now began to weaken. At 23 hours it was centred a short distance to the east of Midnapore, pressure depth at the centre being about 0·3″.

Extracts from the log of the steam dredger "*Balari*" for the 4th June are given below:—

Hrs.	Bar.	Wind.	Remarks.
15·30	29·10	N E/N	Wind increasing with heavy rain squalls and a rising sea.
16·15	29·07	N E/N	Gusts becoming stronger.
16·30	29·05	N E/E	Sea rising.
17·30	29·05	N E/N	Intense squalls with heavy driving rain.
18·45	28·88	N E/N	Rain squalls ceased.
19·45	28·84	N E/N	Wind hauled quickly to E and decreased slightly in force.
20·00	28·82	..	Wind hauling gradually and decreasing slightly in force. Very confused sea.
20·30	28·84	S E	Steady wind.
20·45	28·86	S E	Wind dropped quickly to light breeze; sea running from all directions.
21·00	..	S W	Wind came with great fury. Very heavy lightning from S and SE. The first lightning since the commencement of the storm.
21·25	29·00	S W/S	Wind force greater than during the first half of the storm but was less squally.
22·00	29·05	S W/S	Wind decreasing in force, with longer lulls between squalls. Continuous rain and lightning.
23·00	29·15	S W	
24·00	29·20	S W	

By the morning of the 5th the storm had moved to the neighbourhood of Asansol. The weather map of this morning is attached at the end, (Plate IV), on which is also drawn the complete track of this storm. At 8 hours on the next day the centre lay to the south of Purnea, where the deficiency was only 0·15″. Before the morning of the 7th, the storm had broken up on the hills of northeast Bihar and of Sikkim.

The storm caused locally heavy rain in north and southr west Bengal, west Assam and east Bihar; noteworthy heavy falls in 24 hours at individuals stations are: 14·14″ at Saugor

Island, 10·85″ at Contai and 10·50″ at Balichak, all recorded at 8 hours on the 5th June. The storm was responsible for considerable delay in the arrival of the Rangoon mail steamer Aronda and of *S. S. Maharani*; for dislocation of the train service to and from Calcutta, for interruption of the telegraph service to Calcutta, the grounding of *S. S. Queda*, and for considerable damage to property in parts of Midnapore district; there was also some loss of life.

7. *Storm of 31st May to 9th June.*—An advance of the monsoon took place in the southeast Arabian Sea on the 30th May and caused widespread rain along the west coast and rough sea in the neighbourhood of Minicoy during the 30th and 31st. A depression formed west of the Laccadives on the morning of the 31st and moved in a northwesterly direction. At 2 hours on the 1st of June, *S. S. Streefkerk* near 8½° N. 68½° E reported a SW wind of force 5 with moderate sea, squally weather and overcast sky. At 8 hours that morning the depression lay to the northwest of the Laccadives. Pressure was below normal along the west coast; the deficiency at Aminidevi was 0·16″. Between 15 hours and 24 hours on the 1st *S. S. Raja* near 8° N 68° E reported W or SW wind of force 7 but only slight sea between these hours.

By 8 hours on the 2nd, the depression had moved further northwestwards; *S. S. China*, about 300 miles west of Bombay, reported a NNW wind of force 5. Seas were rough all along the west coast from Trivandrum to Karwar and all stations in this region were having rain or drizzle. By the afternoon of the 2nd, the depression had its centre at 18 hours near Lat. 17° N long. 67½° E and weather had become squally along the west coast during the day.

At 8 hours on the 3rd the centre lay near Lat. 18° N long. 66° E, while weather conditions on the west coast remained unchanged throughout this day. The depression intensified into a storm during the day, and on the afternoon of the 3rd, *S. S. Clan Kenneth* near Lat. 16° N 64° E experienced a WNW wind of force 6 with rough sea; *S. S. Ramsay* and *Argenfels* far to the south and southwest of the centre had W or SW winds of force 7, the latter steamer having experienced a SW wind of force 8 at 14 hours. On the morning of the 4th, rough seas were reported by steamers from all over the central Arabian Sea with W or SW winds of force between 4 and 7; *S. S. Clan Kenneth*, 17½° N 66° E, however, reported a NE wind of force 6. Conditions remained unchanged both in the sea and along the coast throughout the 4th and 5th. The storm continued to move northwestwards during this period while rough or very rough seas with winds of force 7 to 9 were experienced by ships from almost the whole of the Arabian Sea, some of them also having squally weather.

S. S. Westhonaker near 16½° N 62° E reported a whole gale from the SW with rough sea at 6 hours on the 6th. At 8 hours that morning the centre of the storm was near 18° N 62° E. The steamers nearest the centre at that time were *S. S. Hoogkerk* near 17½° N 67° E, *S. S. Dumaria* 16½° N 66° E, *S. S. Atlantic* 16° N 64½° E and *Kaisar-i-Hind* 17° N 64° E; they were all having rough seas with SW winds of forces 5, 6, 6 and 8 respectively; *S. S. City of Osaka* near 19° N 59° E, to the northwest of the centre, had N wind of force 6 with slight sea. Rough seas and strong winds persisted in the Arabian Sea throughout the 6th while the storm moved slowly westwards. At 8 hours on the 7th, the storm centre was within a hundred miles of 18° N 60° E, while it still moved westwards. During that day, the seas became moderate except beyond west of longitude 60° E and the winds died down to force 3 to 6; the storm continued to weaken and during the evening of the 7th continued its course between west and north as a depression.

At 8 hours on the morning of the 8th, the centre was within three hundred miles south of Muscat. It was unimportant on the 9th, when however a land depression over the Punjab caused squally weather and rough seas in the north Arabian Sea. This did not continue and weather became normal on the morning of the 10th.

With the westward movement of the disturbance, the monsoon extended into the south Konkan and remained active there and in Malabar with occasional extensions into the interior of the Peninsula till the 6th. Some heavy falls of rain occurred in Malabar during this period; thus Cochin recorded 4″ on the 2nd, Mangalore 4″ and Calicut 6″ on the 3rd and Calicut 5″ on the 4th. During the next five days, the activity of the monsoon was confined to the southern half of the Peninsula.

8. *Disturbance of 13th to 15th June.*—There was a fall of pressure along the west coast during the 13th and 14th, associated with a fresh advance northward of strong monsoon along that coast. The disturbance was followed by vigorous monsoon conditions along the west coast, rainfall being particularly heavy in the Konkan. Particularly rough seas and squally weather were reported by ships from the east Arabian Sea till the 18th after which weather became normal there.

9. *Storm of 16th to 20th June.*—The heavy rain which fell in the Bay Islands on the 10th and 11th and the high winds reported by steamers from the south Andaman Sea on the 12th indicated a strengthening of the monsoon in the southeast of the Bay. Conditions became slightly unsettled in the neighbourhood of Diamond Island on the 11th and passed out into the north of the Bay where during the course of the next four days they developed into a depression, which lay over the northwest of the Bay on the 15th morning. Strong monsoon winds which were reported only to the northeast of Ceylon on the 14th had extended northwards to the latitude of Madras on this date, but the available ships' reports do not indicate any strong monsoon to the east of the depression. And near the central area the winds were only light or moderate.

The depression intensified during the day, and the *S. S. Indo Maru* bound north to Calcutta, noon position 12° 37′ N, 84° 44′ E, reported a S.W. gale and rough sea from 20 hours to midnight. Next morning the depression was deep and was developing rapidly into a storm with centre near 18½° N, 86½° E. The report from the *S. S. Mandasor and S. S. Nirpura* indicate that the winds were still light to moderate in the central region, as is common in storms of the monsoon season. To the south of the storm the only available ships log is that of the *S. S. Indo Maru*, noon position 15° 53′ N, 85° 46′ E, which experienced a WSW gale and high sea from 16 to 20 hours, and a strong gale from SW or WSW and

high sea later with heavy rain squalls at about midnight. On this day the *S. S. Rena* off the mouths of the Irrawady also reported southwesterly gales. The storm moved in a north-northwesterly direction during the day and was centered on the coast between Puri and False Point at 8 hours of the 17th.

The barometer at Puri read 0·48″ below normal and the deficiency at the centre was probably over half an inch. Winds at Puri and False Point however did not rise above force 6, but the *S. S. Indo Maru*, noon position 18° 09′ N, 87° 55′ E, continued to experience SW or SSW gales throughout the day. The *S. S. Argenfels* bound north to Calcutta, noon position 16° 33′ N, 83° 46′ E, had winds reaching up to gale force and rough to high seas. After crossing the coast the storm travelled in a northwesterly direction, the centre passing not far from Cuttack and Angul. The greatest observed defect of pressure at Cuttack was 0·49″ at 11 hours, and at Angul 0·42″ at 15 hours; these indicate that the storm was filling up as it advanced inland. At the same time the wind at Puri increased in strength and was of gale force from noon to well after midnight.

On the morning of the 18th the storm had advanced to the northeast of the Central Provinces; but very steep gradients and high winds continued in the north of the Bay. Winds reaching upto force 8 or 9 with rough to high seas were experienced by the steamers,

Hares field (noon position 18° 21′ N, 87° 55′ E),
Cocanada (noon position 18° 28′ N, 84° 36′ E),
Argenfels (noon position 19° 11′ N, 86° 18′ E) and
Rena (noon position 20° 30′ N, 88° 34′ E).

The storm caused heavy rain in south Orissa, Ganjam and Vizagapatam, the noteworthy amounts being 16th Pottanghi 8·2″, Calingapatam and Possara each 7·0″, 17th Phulbani 7·5″, Balandapar 9·5″ and Bhawani Patna 10·6″.

By the morning of the 19th it had advanced northwestwards to the neighbourhood of Jubbulpore and weakened into a depression after causing heavy rain in the south of the Central Provinces. The chief amounts were 17th Armori 8·5″, Garchiroli 9·1″, Chandur 10·7″. 18th Arvi 11·5″, Badnera 9·7″ while several stations had 6″ to 7″ in 24 hours.

The depression then took a more northerly track and passing through the west of the United Provinces disappeared into the Kumaon hills on the 20th. The associated rainfall was locally heavy in these regions also.

10. *Depression of the 4th to 10th July.*—The Arabian Sea monsoon strengthened along the west coast during the 1st and 2nd July and the seas along and off Malabar coast were reported rough or very rough on the morning of the 3rd; during these days pressure had been falling along the west coast, the departures below normal being about 0·1″ at all stations between Surat and Karwar at 8 hours on the 3rd. By the morning of the 4th a depression had formed within two hundred miles west of Bombay, the pressure at that station being 0·17″ below the normal value. At 14 hours on the 4th seas along and off the west coast were all reported to be rough. The moderately strong SE wind reported by the *S. S.* "*Homefield*" near Bombay and the NW wind by the *S. S.* "*Dara*" near lat. 18°-30′, long. 65°-0′ E suggested the position of the centre to be near lat. 18°30′N, long. 70° E.; the steamer *S. S.* "*Dara*" was also reporting very rough sea and squally weather, while *S. S. Tarantia*" and *Sommelsdijk* both of which were near lat. 17° N, long. 65° E at noon on the 4th were experiencing strong WSW winds with rough seas. Moving northwestwards the depression lay as a diffuse low pressure area over Gujarat on the morning of the 5th whence it moved over to the west Punjab and was recognised as a shallow depression over that region on the 6th; all this time, however, rough seas with strong W to SW winds and squally weather were being reported by steamers in the north and east Arabian Sea. The shallow depression intensified again by the 7th morning and caused locally heavy rain along the western Himalayas. Dehra Dun recorded 3·66″ on the 6th and Mussooree 2·82″ and 2·77″ on the 6th and 7th respectively. The depression had wandered southwards again by the morning of the 8th and deepened further over Sind, with a pressure departure of more than 0·24″ below normal at Jacobabad, 4″ of rain falling at Dehli on that day. It remained practically stationary for the next two days causing strong winds and rough seas in the north Arabian Sea on the 8th and squally weather off the Mekran and Kathiawar coasts on the 9th. The depression weakened on the 10th and weather became normal in the north and east Arabian Sea by the next morning.

11. *Depression of 10th to 14th July.*—On the 9th weather became slightly unsettled at the head of the Bay and an area of uniform pressure, *i.e.*, absence of gradient, was shown over north Burma. The latter appears to have been the result of the passage into north Burma of an ill defined "low" from further east, which, to judge from the pressure changes, passed into the northeast of the Bay in the next twenty four hours. As a consequence, the unsettled conditions in the north of the Bay became more marked and developed into a depression, the centre of which lay off the Sunderbans to the southeast of Saugor Island at 8 hours. of the 11th. The departure at the centre was more than 0·2″ and rough to high seas and winds of force 6 or 7, with squally weather, were reported by steamers to the south. Heavy rain fell in Orissa and Chota Nagpur, the greatest fall being 11″ recorded at False Point at 8 hours of the 11th.

The depression crossed the coast and passed into the Midnapore district in the afternoon and travelling westwards lay over the east of the Central Provinces on the morning of the 12th and over Gujarat at 8 hours of the 13th with centre near Ahmedabad. Thence it passed northwestwards through Cutch and the Sind coast, and weakening as it advanced, disappeared over south Baluchistan on the 14th. The associated rainfall was heavy in the south of the Central Provinces and Kathiawar on the 12th and 13th, Khandwa reporting 9″ and Amraoti 5″ on the 12th and Rajkot 5″ on the next day.

12. *Depression of 20th to 22nd July.*—Conditions favourable for the formation of a depression appeared in the north of the Bay on the 15th and persisted during the next three days. On the 19th a shallow depression appeared off the north Madras and south Orissa coasts. On the 20th it was a little more marked with central area near 19° N. 88°E. It moved northwards and lay off the coast between Saugor Island and Balasore at 8 hours of the 21st, crossing the coast during the day and disappearing over Chota Nagpur

on the 22nd. Steamers in the neighbourhood of the depression reported only gentle to moderate breeze and moderate seas; but on account of the strong monsoon to its south rough seas and passing rain-squalls were reported by some steamers from off the Arakan coast and the middle of the Bay. The associated rainfall was only moderately heavy.

13. *Depression of 23rd to 31st July, Gujarat Floods.*—With the disappearance of the former depression, a new one formed in the neighbourhood of Saugor Island on the morning of the 23rd. It was then only of small extent, although the deficiency of pressure at the centre was nearly 0·25″. The depression advanced westwards and lay over south Chota Nagpur and north Orissa at 8 hours of the 24th. It had caused heavy rain immediately to the south of its track and had become much more marked. In the next 24 hours it advanced to the neighbourhood of Jubbulpore, and in addition to causing heavy rain to the south of its track it stimulated the activity of the Arabian Sea monsoon, in north Gujarat and the south of the Aravali hills. The depression intensified further during the day and at 8 hours of the 26th, when it was centred near Jhansi, the deficiency of pressure at the centre was 0·3″. At 8 hours of the 27th the depression was centred not far from Mount Abu and had intensified further, the pressure departure from normal at the centre being 0·4″. Instead of proceeding along the westerly course which it had been following so far, the depression now turned north and in the next two days moved very slowly and reached the neighbourhood of Jodhpur on the morning of the 29th when it was only 0·25″ deep. From Jodhpur the depression moved more rapidly northwards and weakened considerably by the morning of the 30th when it lay near Bikaner, and on the next day disappeared in the east Punjab hills.

Between the 25th and 29th, the depression caused unsettled weather in the northeast Arabian Sea; during this period rough or very rough seas and squally weather prevailed off the west coast, winds frequently reaching force 7. Two cargo steamers, the "*Irrawadi*" and "*Jamnagar*," bound from Bombay to Karachi and Jamnagar respectively, experienced stormy weather and had to take shelter near Port Okha.

This depression caused continuous and unusually heavy rain in Gujarat and the Mount Abu region during the period 24th to 29th. The following district averages of rainfall give an idea of the downpour in north Gujarat:—

July 1927.						
—	24	25	26	27	28	29
Broach	0·6	2·0	3·1	4·2	3·9	0·3
Kaira	3·1	7·5	8·2	11·0	10·1	1·7
Panch Mahals	1·4	3·3	11·9	7·2	8·5	1·9
Ahmedabad	3·3	4·9	3·4	6·3	8·0	3·2
Rewa Kantha	0·9	1·4	7·1	5·3	5·5	1·5
Polanpur	2·9	1·4	3·9	3·1	6·1	4·0
Mahi Kantha	1·1	1·5	4·6	5·1	9·2	3·7
Kathiawar	1·3	3·2	1·3	5·0	3·2	0·6

Falls of 10″ or more in 24 hours occurred at most stations and the following are the most noteworthy in this deluge.

July 1927.							
—	24	25	26	27	28	29	30
Kaira District—							
Dakor		10·4	11·5	18·0	21·3	1·6	
Panch Mahals—							
Kalol		5·7	14·2	9·8	15·4	3·0	
Ahmedabad—							
Ahmedabad	4·9	6·0	5·3	16·3	11·3	5·1	
Dholka		10·0	7·5	7·2	8·1	1·6	
Sanand	5·1	9·5	3·0	9·5	9·7	3·0	
Rewa Kantha—							
Wadasinor		0·3	9·7	10·0	13·1	2·3	
Mahi Kantha—							
Mohanpur		6·0	6·7	10·3	6·6	2·7	
Kathiawar—							
Dhrangadhra		17·4	2·5	7·5	4·5	1·8	
Mount Abu		9·7	4·3	6·3	5·1	10·9	8·4

At Ahmedabad 50″ of rain was recorded during the course of six days, of which 29″ fell within 48 hours. This affords an interesting comparison with the Calcutta deluge of September 1900, when 32″—the record amount ever measured in that city—fell in four days. Other stations near Ahmedabad also recorded heavy falls, Viramgam reporting 37″ of rain in seven days.

This exceptionally heavy and persistent rainfall gave rise to disastrously severe floods in Gujarat causing extensive damage to property and loss of many lives. Villages in many Talukas were destroyed and houses collapsed. Telegraph posts were uprooted and railway lines washed away. The Punjab mail became marooned at Itola and the passengers had to be transhipped across a sheet of water 300 feet wide. Some places were completely cut off and telegraphic and railway communications with them became impossible for a few days until repairs could be effected.

The Kaira and Ahmedabad districts and a portion of the Broach district (Baroda) and numerous villages in Kathiawar were submerged under water. Many villages were deserted by terror-stricken inhabitants. Ahmedabad, Dholka, Sanand, Viramgam and Dhanduka were completely cut off. Baroda was isolated with water 10 feet deep all round and remained in this state for five days; the water is reported to have rushed through some streets in torrents, while in several streets in Dandia Bazar it was as much as 20 feet high. Six villages along the southern bank of the Dhodar were surrounded with flood water. The river Nerbudda was in high flood while water rose about 20 feet in the Sabarmati.

In Ahmedabad, according to official figures the number of houses collapsed was 5098 and the damage was estimated at over 22 lakhs of rupees. Owing to house collapses mainly, 6 men died, 10 were injured and about 40,000 (mostly mill-workers with their families and children) rendered homeless. In the villages, crops suffered serious damage, entailing a loss of about three lakhs of rupees. Serious damage was also done to cotton crop in the Broach district. In Baroda a large number of houses fell resulting in the death of more than 50 persons, and many animals, including rare ones in the Zoo, were drowned and carried away by water.

The total damage by the flood amounted to about 2 crores of rupees, in round figures, of which half was suffered by Ahmedabad.

14. *Storm of 27th to 31st July.*—Very heavy rain fell on the north Arakan and south Chittagong coasts on the 24th and 25th, and on the morning of the 26th a tendency towards the formation of a depression at the head of the Bay was noticeable. During the day a depression developed there and by 8 hours next day it had intensified into a storm with centre near 20½° N, 89° E. *S. S. Ellenga* bound south from Calcutta experienced winds of gale force, rough sea, heavy swell, and rain squalls from the early morning to noon, when she was near 18° 45′ N, 90° 35′ E ; and strong to high winds later. Steamers further south also reported strong to high winds in the morning and gales in the afternoon.

The storm moved north during the day and was centred off the Sunderbans about 75 miles eastsoutheast of Saugor Island, on the morning of the 28th the deficiency of pressure at the centre being nearly 0·3″. Several steamers to the south of the storm reported winds reaching storm force. A summary of their logs is given below :—

The pilot vessel at the Sandheads recorded a westerly gale in the early hours of the morning which rose to force 9 at 8 hrs. and to force 10 at 11 hrs., and continued unabated till late in the afternoon.

S. S. Beme bound from Rangoon to Calcutta, experienced southwesterly gales with very rough sea and very heavy southwesterly swell from the early hours of the morning. She remained hove to near 19°-12′ N, 90°-10′ E from 8 hours to 16½ hours during which period she continued to have similar weather.

Winds of gale force with very high seas began to be experienced by *S. S. Vinstra* bound from Rangoon to Calcutta, at noon on the 27th, when she was in 18° 35′ N, 91° 22′ E. The wind rose to a whole gale from the southwest at 20 hours and continued at this strength till 20 hours next day (noon position 19° 57′ N, 89° 44′ E). She logs " precipitous sea " at 16 and 20 hours 28th. After this the wind decreased to gale force and the sea also went down.

S. S. Arenda also bound north from Rangoon noon position 27th, 17° 51′ N, 91° 46′ E reported a high wind with occasional squalls of gale force and high sea with heavy southwesterly swell in the afternoon and night. The wind increased in the early hours next day and rose to a whole gale with continuous rain squalls of hurricane force at 8 hours. At this time mountainous seas were according to the Captain, washing over the decks and the vessel was hove to heading south. The wind went down to a gale at noon (Position 19° 14′ N, 90° 03′ E) and to force 6 or 7 later ; but high seas and heavy swell continued throughout the day. The vessel resumed her course after being held up for nearly 12 hours and steaming slowly reached Calcutta 24 hours late. All the other incoming steamers were also delayed.

S. S. Winnipeg, proceeding up the Bay along the Madras coast, noon position 27th, 18° 06′ N, 86° 52′E, began experiencing a southwesterly gale at 20 hours that day and continued to have winds of force 8 to 9 with frequent squalls of hurricane force and rough sea with confused swell.

The storm crossed the coast to the east of Saugor Island in the evening and lay not far from Calcutta at midnight. The winds reported from Saugor Island did not reach gale force while at Calcutta there was only a moderate breeze. At this period at least the central area was one of gentle winds and it is probable that similar conditions prevailed in the central region on previous days also. From the neighbourhood of Calcutta the storm advanced in a westerly direction and lay near Midnapore on the morning of the 29th, when the deficiency of pressure at the centre was nearly 0·3″. During the day it again changed its direction of motion to NNW and weakening considerably as it passed over Chota Nagpur on the 30th, disappeared over southwest Bihar next day.

The rainfall associated with the storm was widespread in northeast India and very heavy in the neighbourhood of its track particularly in the districts of Midnapore, Balasore and parts of Chota Nagpur. The average district rainfall in this area together with the remarkable falls at individual stations is given below.

Districts: —	July 1927. 29	30
Midnapore	2·1	..
Balasore	4·3	..
Ranchi	..	2·3
Palamau	2·4	3·4
Singhbhum	3·7	9·1
Midnapore—		
Pachet	10·5	0·3
Jhargram	6·4	..
Balasore—		
Baliapal	8·3	0·4
Orissa Feudatory States—		
Bonaigarh	4·7	9·1
Keonjhar	10·5	8·5
Karanjia	13·9	14·3
Champua	5·7	22·2
Rairangpur	7·0	10·8
Palamau—		
Garu	8·6	7·2
Singhbhum—		
Manoharpur	2·5	13·3
Jagannathpur	3·7	11·7
Maghgaon	4·0	14·0

The month had already been one of excess of rainfall in these districts, and the rivers were running full ; the heavy downpour therefore caused serious floods in the local rivers. The Brahmani and Baitarani in Orissa rose in flood on the 29th. The area most seriously affected was the Bhadrak Sub-division of the Balasore district, where the flood waters rose quickly on the night of the 29th and washed away everything before them. The water stood 8 to 10 feet deep in places over the homesteads of the villages and at Dhamnagar the post office was entirely submerged. The railway line between Bhadrak and Baitarani Road was submerged to a distance of 24 miles, the earthwork was washed away and some of the bridges damaged. The force of the current may be gauged from the fact that the girders of the Railway bridge over the Reba river, three miles south of the Baitarani were torn out and washed away.

It took more than a month and a half for the restoration of communication on this line. The loss to the Railway was enormous and there was a wholesale destruction of cattle. No reliable estimate of the loss of human life is available.

There were serious floods, in the Cuttack district also, the town of Cuttack being isolated for a week.

In Chota Nagpur the Khorkai was unable to drain into the Subarnarekha as it was already full, and overflowed its banks. The Nagpur main line between Tatanagar and

Rourkela and the neighbouring branch lines were breached. The railway lines and roads at both the approaches of the Khorkai bridge were badly damaged. 800 houses were damaged or destroyed in Jamshedpur and the suburb of Jagsalai. The water works and sewage pumping station were badly damaged. Chaibasa was cut off and all the bridges over a distance of 13 miles on the road from Chaibasa were washed away.

15. *Depression of 6th to 7th August.*—Conditions became favourable for the formation of a depression near the northeast angle of the Bay on the 5th, and by next morning a shallow depression had formed between the Sandheads and the north Arakan coast. It moved westwards and lay off the Ganjam-Orissa coast on the morning of the 7th. Crossing the coast in the course of the day it merged into the seasonal trough of low pressure. The rainfall associated with it was locally heavy in the Ganjam and Vizagapatam districts and in the southeast of the Central Provinces.

16. *Depression of the 11th to 18th August.*—With a strengthening of the Arabian Sea monsoon current in the southeast of the Central Provinces and Ganjam a shallow depression formed in the Bay off the Ganjam and Orissa coasts on the 11th. It crossed into Orissa and caused widespread and locally heavy rain there in the next 24 hours. The monsoon was also strong to its east and rainfall was general in Bengal and Assam. On the morning of the 13th it lay over the east of the Central Provinces and moved north to the east United Provinces on the 14th. It was by this time much less marked. In the next 24 hours it travelled westwards to east Rajputana, where it was more or less stationary for two days and finally disappeared on the 18th. Although very shallow during most of its career the depression was remarkable for its persistence and the widespread rain it gave in its neighbourhood all along its track.

17. *Depression of 16th to 21st August.*—The third depression of the month began developing off deltaic Bengal on the 15th and was centred about 100 miles east of the Sandheads on the morning of the 16th, the defect of pressure at the centre being about 0·1″. It crossed the south Bengal coast during the day and lay over Chota Nagpur on the morning of the 17th. The local heavy rain it produced in Chota Nagpur and Orissa caused floods in the Brahmani and Baitarani for the second time. The Brahmani floods were serious and washed away repairs on Bengal Nagpur Railway, done after the previous July floods. From Chota Nagpur the depression moved slowly westwards and intensified, the pressure departure from normal at the centre being 0·15″ on the morning of the 18th. Locally heavy rain fell in Central India and the north of the Central Provinces during the day and at 8 hours of the 19th the depression was in the neighbourhood of Allahabad. From this place it advanced rapidly westwards and weakening at the same time lay over east Rajputana on the morning of the 20th. In its further journey westwards over Upper Sind, it weakened much more, but was instrumental in causing an extension of the monsoon into Sind and Baluchistan over which the depression finally disappeared on the 21st. The rainfall associated with it in Rajputana was locally heavy from the 18th to the 20th.

18. *Depression of 21st to 26th August.*—A pulse of pressure fall appeared over Burma, apparently from the east, on the 19th and passed into the north of the Bay on the 20th. As a result, a shallow depression formed during the day and was centred near 18° N, 90° E on the morning of the 21st. It moved slowly in a westnorthwesterly direction and developed further in the next two days the centre being near 18½° N, 89° E on the 22nd and near 19° N, 88½° E on the 23rd. Thereafter it travelled more rapidly towards the coast and lay off Gopalpur on the morning of the 24th. Steamers in the neighbourhood of the depression reported strong to high winds, rough to high seas, heavy swell and occasional rain squalls. The *S. S. Chilka* bound from Rangoon to Cocanada experienced frequent heavy rain-squalls on the 22nd and continuous rain on the 23rd. Crossing the north Ganjam coast in the afternoon of the 24th, the depression moved to the east of the Central Provinces on the 25th and merged into the seasonal trough of low pressure over the Gangetic plain, on the 27th. The associated rainfall was locally heavy in Orissa and the Central Provinces.

19. *Depression of 1st to 5th September.*—A shallow depression appeared off the Sunderbans on the 1st and lay in the northwest angle of the Bay on the 2nd. It crossed the coast during the day and lay as a diffuse low pressure area over Chota Nagpur on the 3rd. It was almost stationary there in the next two days and caused locally heavy rain in southwest Bihar and adjacent districts of Chota Nagpur. Sherghati and Bara Chatti in the Gaya district, each recorded 9″ and Chatra (Hazaribagh) 12″. The strong monsoon to the east of the depression persisted even after its disappearance and caused widespread rain in northeast India; the rainfall was particularly heavy in the Khasi hills, Cherrapunji recording 50″ in the 72 hours ending 8 hours of the 7th.

20. *Depression of 18th to 24th September.*—A pulse of pressure fall which passed across the Andaman Sea on the 16th from the east caused the formation of a shallow depression in the centre of the Bay by the morning of the 18th. The depression appeared off the north Madras coast at 8 hours of the 19th, and advancing inland lay over the Bombay Deccan on the 20th. Thence it passed out into the Arabian Sea off the Konkan on the 21st and became somewhat more marked. Weather was more or less unsettled in the east Arabian Sea and pressure fell along the west coast during the 20th and 21st. On the morning of the 22nd, the depression was centred near Lat. 19° N. Long. 69° E, the *S. S. Ocean* reporting rough sea off the Bombay coast at 12 hours noon. In the next two days it curved to the north and passing to the west of Kathiawar and Cutch merged finally into the seasonal low in northwest India on the 24th and weather became normal in the Arabian Sea on the next morning. The rainfall associated with it was widespread and locally heavy in the Peninsula, with 3·6″ at Karwar on the 20th, 3·7″ at Nellore on the 21st and 5·6″ at Gulbarga on the 22nd. In Gujarat and Kathiawar rainfall occurred only locally.

21. *Depression of 4th to 8th October.*—Conditions became unsettled in the north of the Bay on the 3rd October and in the next 24 hours a depression developed there with central area near 17° N, 89° E on the morning of the 4th. It travelled in a westnorthwesterly direction during the day

and lay off the Ganjam coast at 8 hours on the 5th. *S. S. Beme* (Rangoon to Cocanada) noon position 5th, 16° 49′ N, 84° 42′ E, reported strong to high WSW winds and squally weather with rough sea and heavy WSW swell throughout the day. *S. S. Aronda* (Rangoon to Calcutta), noon position 5th, 19° 09′ N, 90° 33′ E, also experienced high south winds, rough sea and heavy swell throughout the day with frequent severe squalls till noon. No gales were reported by any of the steamers, and judging from the winds experienced near the central area when it was crossing the Ganjam coast shortly after noon, the depression does not appear to have developed a core of stormy winds. The defect of pressure at the centre was however more than a third of an inch, Gopalpur recording a deficiency of 0·35″ at 15 hours. The rainfall associated with the depression was heavy in south Orissa and Ganjam.

By the morning of the 6th the depression had moved rapidly to the Central Provinces and become less deep. During the day it curved slowly to the north and caused widespread and locally heavy rain in the Central and the United Provinces. It continued in a northerly course on the 7th and passing in a much weakened condition over the United Provinces on the 8th disappeared in the Himalayas.

22 and 23. *Depressions of 9th to 14th October.*—A typhoon from the China sea passed over Siam and lay as a deep 'low' over Burma on the 9th. After giving widespread and locally heavy rain there that day it filled up on the 10th. Another low pressure area appeared over central Burma on the 12th and passing out into the Bay off Arakan on the 13th disappeared over southeast Bengal next day.

24. *Severe cyclone of 29th October to 4th November.*—Unsettled conditions associated with showery weather in the Andamans and Nicobars appeared to the southwest of the Andamans on the 27th and became more marked next day. *S. S. Singu*, bound north to Rangoon, noon position 28th, 12° 9′ N, 90° 12′ E, experienced moderate easterly winds with moderate confused sea and swell and occasional rain-squalls or passing showers. *S. S. Herefordshire*, also bound to Rangoon, noon position 10° 29′ N, 87° 52′ E, reported moderate to fresh north or northeasterly winds and heavy rain-squalls. These observations show that the disturbed conditions were rapidly developing, and on the morning of the 29th a depression was indicated with central area near 10½° N, 91° E. *S. S. Herefordshire* was steaming away from the disturbed area on that day, but continued to have moderate easterly winds with rough sea and moderate swell. *S. S. Bhamo*, going to Rangoon, noon position 10° 46′ N, 88° 19′ E, experienced strong winds and rough seas throughout the day with continuous light rain in the morning and heavy rain-squalls in the afternoon. *S. S. Canara*, noon position 9° 46′ N, 86° 59′ E reported fresh to strong winds veering from N or NNW in the morning to SSE at midnight, moderate to rough seas, dull and overcast skies, with continuous heavy rain in the afternoon. The barometer on board this steamer fell 0·16″ from 8 hours to 16 hours after allowing for diurnal range and rose only slowly in the next 12 hours. *S. S. Erinpura* (Madras to Rangoon), midnight position 14° 22′ N, 88° 56′ E, reported from midnight to 8 hours next day high ESE winds, rough sea, drizzle, and squally weather.

The depression moved in a westnorthwesterly direction and was centred near 11½° N, 88° E on the morning of the 30th. It was probably a storm by this time, but there were no steamers close enough to the centre to give definite information on the point. *S. S. Canara* to the east of the storm and moving away from it reported moderate to fresh southeasterly winds in the morning and easterly winds in the afternoon, with rough sea, heavy swell and frequent rain showers. *S. S. Derbyshire*, bound north to Rangoon, noon position 9° 36′ N, 87° 01′ E reported fresh to strong winds backing from WSW to S, rough following sea and swell with showery weather in the forenoon. *S. S. Elephanta* (Rangoon to Madras), noon position 14° 40′ N, 85° 54′ E reported fresh easterly wind in the morning and fresh northeasterly to northerly winds in the afternoon and night with rough confused sea, heavy swell and heavy rain-squalls.

By 8 hours of the 31st the storm had moved to the neighbourhood of 13° N, 84° E, and intensified; squally weather was reported from the Madras coast, from Cuddalore to Vizagapatam. *S. S. Elephanta*, now approaching Madras reported a strong northerly wind with rough confused sea and high easterly swell and very heavy wind-and rain-squalls. *S. S. Meerkerk*, noon position 14° 25′ N, 87° 41′ E, reported high ESE winds throughout the day with overcast skies and heavy showers. *S. S. Kohinur* steaming south to Colombo, noon position 13° 52′N, 84° 30′ E, experienced strong to high winds veering from NE in the morning to SE at night with frequent heavy rain-squalls, rough sea and heavy swell throughout the day, the weather moderating slightly only after nightfall.

On the morning of the 1st November the storm was centred near. 13½° N, 81½° E. After this it took a more northwesterly course and the centre passed over Nellore between 19 and 19—30 hours that night.

The steamers *Jalavijaya* and *Mahsud* were in the southwest quadrant in about the latitude of Cuddalore. The former bound from Tuticorin to Madras, had at 4 hours NW-N gale with rough sea and heavy swell. At 8 hours the wind from WSW was of only force 7, but squally. The vessel was hove to at half past nine but resumed her course at 11 hours with improving weather and was near 11°—40′ N, 81°—03′ E at noon. During the rest of the day she had only fresh to strong SW winds, rough sea and swell.

S. S. Mahsud, noon position 11° 29′ N, 80° 50′ E, experienced strong to high westerly winds with high rough sea heavy confused swell and frequent violent squalls in the forenoon. Her weather improved in the afternoon.

S. S. Clan Lindsay, bound from Chittagong to Madras, was near 15½° N, 83° E, at noon of the 1st. She had been experiencing a strong wind with frequent wind-and rain-squalls, rough sea and heavy swell since previous noon. The wind and sea became steadily worse, and the squalls increased in strength and the vessel began to labour and strain heavily in the early hours of the 1st. The wind rose

to a moderate ESE to SE gale at noon with occasional rain-squalls and there was a heavy sea and high SSE swell. The vessel was rolling heavily, and the captain altered her course and reduced speed. Similar weather continued till 18 hrs. Thereafter the wind moderated slightly and weather improved; but high wind and sea continued throughout the night.

The barometer at Madras fell from 29·63″ at 8 hours to 29·42″ at 15 hours; this reading which was 0·36″ below normal was the lowest recorded at Madras. At this time the centre of the storm was probably 60 miles from Madras. The following description of the weather at Madras on this day is furnished by the Assistant Meteorologist, Madras.

"Wind was coming in heavy squalls throughout the 1st instant but the velocity was at no time very high. The total number of miles recorded by the Observatory Beckley was 389 miles from 8 A.M. on the 1st to 8 A.M. on the 2nd. It was higher near the coast. The highest velocity recorded by the Pressure Tube Anemometer at the harbour was 36 miles between 2 and 3 P.M. and the velocity reached about 48 miles during occasional spurts. The total number of miles on the Port Trust Robinson Anemometer placed on one of the arms of the pier was 1,052 miles (uncorrected) between 8 A.M. on the 1st and 8 A.M. on the 2nd."

The following are extracts from the report received from the Deputy Conservator of the Port of Madras.

"1st November 1927. Weather squally, overcast with heavy rain and hard squalls, once 7 to 8 in the squalls, sea tremendous, surf very heavy, barometer falling rapidly, wind shifted to W about 10 A.M. and to SW about 3-30 P.M. The highest velocity as registered by the anemometer was 49 miles an hour at 1-36 P.M.

"The steamers in the harbour with their cables attached on to head moorings rode out the storm well. *S. S. Rohna* parted her chain on mooring buoy, slipped her starboard cable and being brilliantly handled by her captain put out to sea at 1 P.M. and remained out. From 3 P.M. the wind and sea began to moderate the wind veering to south and west and the barometer began to rise.

"The sea off Madras between 1 P.M. and 2 P.M. was terrific, yet the highest velocity of wind we experienced was 49 miles an hour from WNW."

The above facts indicate that the storm was very severe and of fairly small diameter, as it did not cause more than a gale at a distance of 50 to 60 miles from the centre.

The following briefly describes the weather experienced at Nellore. This is based upon the reports of the observer and of the District Collector.

Rain commenced at 10 hours and from 13 hours wind and rain began to increase and the weather became worse and worse. At 4 P.M. trees began to rock to and fro and the telegraph line in front of the Collector's office gave way. At 5-30 P.M. the virulence of the wind became unbearable and from 6 to 7 P.M. no one could go out. Between 7 and 7-30 P.M. there was a lull in the storm for 10 or 15 minutes. There was no rain or wind during the lull and the sky was said to be clear. The wind before the lull came from NNW; immediately afterwards the wind blew from SSE. The storm after the lull was worse than the storm that preceded it. Though there were occasional flashes of lightning one was unable to hear the thunder as the wind seemed to muffle the noise of the thunder. The wind was so violent that three men were unable to open a door in the Collector's Bungalow which opened inwards into a room which lost its windows.

Regarding the damage caused by the storm the Collector says:—

"The scene round Nellore and Kovur resembled that of devastated France. Huge trees were blown down, trees were stripped of their foliage. The wind has had a blighting effect apparently on living trees. Except houses with terraced roofs, roofs were stripped of their tiles. Thatched houses lost their roofs. Mud walls generally withstood the wind and rain."

In his report to the Government of Madras the Collector writes:—

"From the reports received up to date it may safely be inferred that the cyclone was at its worst within a circle having Nellore as its centre and a radius of 25 miles. Beyond these limits the storm was less intense and caused less damage.

"Up to date reports of nearly 200 deaths have reached me. Deaths for the whole district are not likely to exceed 300. The loss of life is due to people being buried under the debris from falling houses and to exposure.

"Reports of cattle mortality are vague. People are inclined to exaggerate their loss. A number of cattle escaped in the storm and are still being recovered. The total mortality of cattle may be about 6000 for the whole district. People are inclined to over-estimate the value of personal property lost or damaged in the storm. It will not be possible to get any accurate information recording the value of property lost or damaged."

Hourly observations of the barometer were recorded at Nellore from 14 hours of the 1st November to 7 hours of the 2nd and these readings are plotted in plate V. At 19 hours before the calm centre passed over Nellore the barometer read 27·34″ or 2·5″ below normal; at 20 hours. after the passage of the calm centre the barometer read again 27·34″. From the run of the barometric curve in the diagram of plate V one would be justified in assuming that in the calm centre the pressure went down to 27·15″ or less a reading which is comparable with the pressure recorded at the False Point Lighthouse in the False Point Cyclone of September 1885. Then the pressure fell to 27·13″ and was lower than any previously recorded verified barometer reading at sea level.

The calm centre is reported to have passed over Kistnapatam, 13 miles southeast of Nellore at about 5 P.M. when a lull occurred for about 10 minutes. If the time has been correctly noted the storm which was travelling at about 13 miles an hour over the sea appears to have slowed down on crossing the coast to about 6 miles an hour. This view is not supported by other evidence and it appears probable

therefore that the time was not correctly noted at Kistnapatam and that the storm continued to travel at 13 miles an hour even on land. This rate of motion would give 2 to 3 miles as the diameter of the calm centre, about 40 miles as the breadth of the area of hurricane winds and about 100 miles as the diameter of gales. This is more in agreement with the actual area of damage as given by the collector and is also borne out by the inference about the area of storm based upon the barometric readings at Nellore and the observations at Madras.

Considerable damage was also done in the neighbouring district of Cuddapah : 54 people were killed, 5000 houses destroyed and live stock worth Rs. 78,000 lost.

The rainfall on the 1st November was very heavy in the coastal districts of Nellore, Kistna and Godavari and the adjoining districts of Cuddapah and Guntur ; the district averages were :—

East Godavari . .	3·8″	Guntur . . .	5·3″
West Godavari . .	2·9″	Nellore . . .	5·3″
Kistna . . .	2·9″	Cuddapah . . .	3·6″

The heaviest falls at individual stations were :—

Kistnapatam (Nellore) .	10″	Addanki (Guntur) . .	9·3″
Bapatla (Guntur) .	10·8″	Kavali (Nellore) . .	8·1″

After passing Nellore the storm appears to have weakened considerably as it advanced inland, and next morning when it lay over the Madras Deccan with centre between Bellary and Kurnool, the departure of pressure at the centre was not much more than 0·3″. The upper winds at Bangalore had turned from a northerly direction to westsouthwesterly between the mornings of the 1st and 2nd. Rainfall was nearly general on the north Madras coast on the 1st with heavy falls at Madras, Masulipatam and Cocanada, which recorded three, six and four inches respectively. The depression moved northwestwards into the Bombay Deccan on the morning of the 3rd, and had its centre near 19° N, 75° E. The defect of pressure at the centre was then only 0·2.″ The upper winds at Madras and Bangalore were southeasterly upto 3 km. but had weakened in force. Widespread rain fell on the 2nd from Central India East to north Malabar with locally heavy rain in south Hyderabad and the Madras Deccan, Hyderabad having four inches and Kurnool three. On the morning of the 4th the depression, having moved northeastwards, lay as a shallow low pressure area over Central India and the west Central Provinces, having given widespread rain from the United Provinces to Hyderabad on the 3rd ; the upper winds at Madras and Bangalore had become more or less easterly while those at Poona had turned from an easterly direction to westerly between the 2nd and 4th. The low pressure area disappeared by the morning of the 5th after causing nearly general rain in the east United Provinces and Central India East during the previous twenty four hours.

25. *Storm of 10th to 13th November.*—After the disappearance of the Nellore cyclone, conditions remained unsettled in the neighbourhood of Ceylon and widespread and locally heavy rain fell in the south of the Peninsula between the 6th and 9th. Malabar shared in this rainfall and on the morning of the 9th conditions were unsettled off that coast. Next morning, there was a shallow trough of low pressure in the eastern half of the Arabian Sea ; two ships off the Malabar coast reported southerly winds of forces 2 to 5. It appears that a depression formed on the 10th with centre near Lat. 12° N., Long. 68° E. At 20 hours on the same evening the steamer *S.S.* "*Kashmir*," about 400 miles west of Ratnagiri, experienced a NE wind of force 5 and squalls with moderate sea, while the *S. S.* "*Maloja*" due westsouthwest of Bombay had a SE wind of force 3 with rain-squalls.

Reports from some steamers received on the 11th indicated the existence of a closed depression with centre that morning in the neighbourhood of 13° N. 67° E. At 7 hours on the 11th the *S. S.* "*Jehangir*" to the north of the centre had an easterly wind of force 4. About three hours later, the same ship reported a wind of force 6 ; the "*Marchioness of Bute*," position 18° N., 68° E , reported a NE wind of force 5 to 6 with rough sea and squalls ; while the *S. S.* "*War Mehtar*," 16° N., 69° E., had a SSE wind of force 6 along with rough sea. On the evening of the 11th, the depression was centred near Lat. 14° N., Long. 67° E. The strongest winds reported, namely of force 6, were those in the northern semi-circle and were mainly from the northeast ; these winds were, moreover, reported from considerably north of the centre, from the sea areas off Bombay and Kathiawar. Near the centre of the depression the winds were less strong ; the ships nearest the centre on the 11th evening were the "*Khandala*," "*War Mehtar*" and "*Badarpur*" with winds of forces 4, 4 and 2 respectively, all reporting rough seas.

Pressures at the coast stations had remained steady or were rising slightly between the morning and evening of the 11th but at 2 hours on the 12th they showed signs of commencing to fall. Coast observations at 2 hrs. on the 12th indicated that the depression had been moving northwards since the previous evening while winds and seas had remained slight, only the steamer *S. S.* "*Varsova*," far to the north of the centre, continued reporting easterly winds of force 6. From ships' logs received later it appears that the depression had already intensified into a storm by the early morning of the 12th and was centred at 2 hrs. within a degree of 15° N., 69° E. Thus *S. S.* "*Khosrou*," "*Jehangir*" and "*Marchioness of Bute*," all of which were situated within 300 miles west of Bombay, were experiencing rough seas with squally weather and easterly or northeasterly winds of gale force. By 8 hours on the 12th the storm had further developed into one of severe intensity and was centred about 200 miles southwest of Bombay with its centre in the neighbourhood of 17° N., 70° E ; it appeared at that time to be moving in a northeasterly direction towards Bombay. The greatest pressure departure below normal was however only slightly more than 0·15″ at Ratnagiri on the Konkan coast. On this morning the *S. S.* "*Varela*" and "*Jehangir*" were having winds of force 10, "*Khosrou*" of force 9, and the "*Marchioness of Bute*" of force 7 ; all of them were off the Konkan and Kathiawar coasts in the northern semi-circle of the storm, the directions of these winds being mainly northeasterly. Other ships' logs show that rough seas and

squally weather were being experienced by steamers throughout the northeast Arabian sea. Extracts from logs of some of the steamers which were in the storm affected area are given below :—

S. S. "Khosrou."

Date.	Hour.	Position.	Barometer.	Wind. Direction.	Wind. Force.	Remarks.
12th	4	....	29·48	E	8	High sea ; very heavy E'ly swell ; overcast ; violent squalls ; heavy rain.
	8	....	29·92	ENE	8	Ditto.
	Noon	19° 24′ N 70° 24′ E	29·92	ENE	8-9	Very heavy confused sea and swell.
	16	....	29·90	NNE	7-8	Overcast ; squally ; heavy rain.
	20	....	29·95	NNE	7-8	Very heavy NE swell ; high sea ; overcast and squally.
	24		29·98	NE	5	Rough sea ; heavy NE/E swell.

S. S. "Varela."

Date.	Hour.	Position.	Barometer.	Wind. Direction.	Wind. Force.	Remarks.
11th	20	....	30·00	E	6	Rough sea ; overcast ; light rain.
	24	....	29·91	NE	8	Heavy sea ; overcast ; violent squalls ; gale force, sea increasing.
12th	4	....	29·820	NE	6	Rough heavy sea ; overcast ; violent squalls.
	8	....	29·830	NE	10	High rough sea ; heavy swell ; overcast ; frequent violent squalls ; light rain.
	Noon	18° 53′ N 72° 40′ E	29·85	NE/E	5-6	Moderately heavy sea ; overcast ; continuous heavy rain.
	16		Reached Bombay.			

S. S. "Jehangir."

Date.	Hour.	Position.	Barometer	Wind. Direction.	Wind. Force.	Remarks.
12th	4	....	29·54	NE	7-8	Rough confused sea ; heavy swell ; overcast ; heavy rain squalls.
	8	....	29·69	NE/E	10	High sea with swell ; overcast ; heavy rain ; squalls.
	Noon	18° 18′ N 68° 40′ E	29·73	ENE	10	Ditto.
	16	....	29·82	NNE	8	Ditto.
	20	....	29·88	NNE	8	High sea and swell ; overcast ; occasional rain squalls.
	24	....	29·87	NNE	6	Rough sea ; overcast ; heavy squalls.

Throughout the 12th the storm continued to move slowly to the northeast while winds of storm force prevailed in its northern semi-circle. Its centre in the evening was within a degree of Latitude 18° N. Long. 71° E., and on the early morning of the 13th the storm was approaching the coast between Bombay and Ratnagiri; rough seas and squally weather continued all over the northeast Arabian Sea and along the west coast, and winds of force 6 to 9 were experienced by steamers in those regions. The experiences of two steamers, the *S. S.* "*Vita*" and the *S. S.* "*Siberian Prince*" are extracted below :—

(1) The *S. S.* "*Vita*" lay in Karachi Harbour until 4 P.M. on the 10th November when she sailed for Cutch Mandvi. During the whole of this day and the forenoon of the day following the weather was perfectly normal, with steady barometer and light northeasterly breezes. The first sign of the approaching bad weather was noticed at 4 P.M. on the 11th when the breeze came up from the southeast and the barometer showed 29·96″, a drop of 0·10″ since noon. When this was observed the vessel was lying off Porbandar, and about an hour later clouds began to bank up to the eastwards. At 6 P.M. the breeze came up strong from the northeast and by 8 P.M. it was blowing fresh from east-northeast, the sea rising rapidly and the sky about three-quarters covered with clouds. By midnight there was a heavy sea and swell running, the wind very strong, sky overcast and frequent heavy rain-squalls took place. These conditions obtained throughout the whole of the passage to Bombay, which was not reached until midnight on the 13th.

(2) The *S. S.* "*Siberian Prince*" left Bombay at 6-45 A.M. on the 12th, discharged pilot at 7-30 and passed Kundar Islands at 8-35. The weather was moderate, wind easterly force 4, and a moderate sea increasing with rough beam swell. The noon position was Latitude 18°-05′ N, Longitude 72°-38′ E, when the barometer stood at 29·86″. By noon, the weather had assumed a very threatening appearance. At 4 P.M. the sky was covered with cloud and had an ugly appearance while rain fell attended with lightning; the position of the ship at 3 P.M. was Lat. 17°-28′ N., Long. 72°-48′ E., and wind was ESE/ENE, force 8 and barometer 29·70″. There was a high cross sea with swell which was rapidly increasing and the ship was pitching and rolling very heavily. At 8 P.M. wind was SE force 8 and barometer 29·85.″ The sky was overcast and there were frequent rain squalls. Sea was high and confused with swell and the vessel pitching and rolling and labouring heavily; very heavy rain was falling at 9 P.M. when the wind was from S. force 7, which turned to southwesterly force 5 at 10 P.M. and then to westerly force 4 by 11 P.M. At this hour wind and sea were moderating and by midnight weather was clearing with a westerly wind of force 3 or 4 and sky overcast.

The storm crossed the coast to the south of Bombay in the early morning of the 13th. Its intensity weakened, and at 8 hours it lay as a deep depression over the Bombay Deccan, with centre near Aurangabad where the pressure departure below normal was 0·22″; the depression was still, however, causing squally weather and strong winds along the Konkan and Kathiawar coasts.

Associated with the depression over the Bombay Deccan, widespread rain fell over the belt of country from the Konkan to the south United Provinces on the 12th and over the region extending from the United Provinces to the extreme south of the Peninsula on the 13th; on both these days locally heavy falls occurred, Bombay recording 4·83″ on the 12th and Mangalore 3·92″ on the 13th. By 8 hours on the 14th the depression had further weakened and now lay as a low pressure area over the Deccan, still causing strong northerly winds off the Konkan. Weather became normal from the afternoon of the 14th.

The storm played considerable havoc at sea to coastal craft and fishing boats plying along the coast near Bombay, and it was responsible for much loss of life at sea. One coastal steamer, the *S.S.* "*Sant Tukaram,*" which left Bombay for Ratnagiri on the morning of the 12th foundered off Hareshwar; out of 146 persons on board only 26 survived. Of another steamer, the *S. S.* "*Jayanti,*" which also left Bombay on the same morning with 96 people on board, no trace whatever was found; this steamer must also have shared the fate of the *S. S.* "*Sant Tukaram.*" The cyclonic weather attending this storm was not without its effect in the inland regions; for, considerable damage due to rain was done to paddy crops and also to the cotton crops which were standing at that time and were almost ready for picking.

The following account of the damage done by the storm is extracted from the reports given by collectors and Port Officers.

Alibag.—Three country boats with cargoes of paddy, etc., were capsized and foundered, but there was no loss of life. The strong cyclonic wind damaged to some extent cocoanut, betelnut, plantain and other trees. Paddy crops which were cut and strewed in fields remained under water for a couple of days and the paddy was damaged owing to the damp.

Uran.—Four "machwas" sank in the Mora creek and some damage was done to the cargo of salt. There was no loss of life.

Panvel.—Some trees were broken.

Pen.—Many trees were uprooted and harvested crop which was not gathered was damaged by rain.

Mahad.—Rain wetted and spoiled the crops lying out in the fields.

Bankot.—Available information shows that the storm caused loss of seven human lives and of property worth Rs. 41,150 in the Taluka. It did not however affect any inland part of this Taluka.

Devrukh.—Heavy damage to crops that were ready for harvesting.

Ratnagiri.—Seven boats or "Machwas" foundered and about 35 lives lost with them.

26. *Storm of 14th to 17th November.*—Weather became slightly unsettled in the south of the Bay on the 13th and

light rain fell in the Bay Islands and south Tenasserim. Associated with these disturbed conditions, heavy rainfall occurred from the Nicobars to the south Burma coast, Port Blair recording 3″ and Diamond Island 4″ during the 24 hours ending at 8 hrs. of the 14th. The southerly upper winds at Port Blair and the ships' observations that morning indicated a low pressure area in the centre of the Bay with squally weather round it. This advanced northeastwards and intensified during the day into a depression whose central area was situated near Lat. 15½° N, Long. 90° E, on the morning of the 15th. Moderate to strong winds with squally weather were reported by steamers off the south Arakan coast, and rainfall continued in the Bay Islands. *S. S. Takliwa*, (Gopalpur to Rangoon), noon position 15° 55′ N, 93° 35′ E, reported fresh to strong winds and moderate to rough seas with occasional squalls throughout the day. *S. S. Shahjehan*, (Rangoon to Chittagong) noon position 19° 33′ N, 92° 21′ E, experienced winds of force 5 to 7 during the day time with rough sea, heavy swell and rain-squalls. None of these steamers were close enough to the central area to indicate definitely whether it was a storm, but the probability is that at this stage it was a storm.

It continued to move in a northeasterly direction and was situated near 18½° N, 92° E, at 8 hours of the 16th. Steamers within about 70 miles of the centre reported only moderate winds and in general moderate swell showing that the storm had apparently weakened. Widespread rain had fallen in Burma with local heavy falls in its central districts and on the north Arakan coast. In the next 24 hours the depression weakened further while still lying off the north Arakan coast, but continued to give widespread and locally heavy rain in Burma. In the 48 hours ending with 8 hours of the 17th Kyaukpyu had 17″. The depression disappeared on the 17th after giving further rain in Burma.

27. *Depression of 31st December to 5th January.*—The monsoon was active in the southeast of the Bay between the 25th and 27th December. A wave of low pressure which appears to have then passed westwards from this region gave rainy and squally weather in the south of the Bay and was shown as a small depression off the east coast of Ceylon at the close of the month. *S. S. Sirsa* (Rangoon to Bombay) passed close to the centre of the depression at noon of the 31st, position 8°-07′ N, 83°-53′ E. The barometer on board fell from 29·96″ at 8 hours to 29·80″ at noon and the wind veered from SE to SSW. Later the barometer rose steadily and a west wind of force 6 to 7 which commenced at 14 hours continued up to midnight with moderate to rough seas and heavy swell; fierce squalls were experienced at 16 hours. The depression became less marked next day, and did not develop into a storm although it persisted in a shallow condition to the northeast of Ceylon for a few days longer.

*Storm of 6th to 17th November 1926 in the Arabian Sea.

There was a revival of northeast monsoon conditions in the south of the Bay in the beginning of November and associated with it disturbed conditions appeared in the neighbourhood of Ceylon on the 4th. They caused heavy rain on the south Coromandel coast on the 5th and developed into a shallow depression over the Palk Strait and north Ceylon by the morning of the 6th. Heavy rainfall continued on the south Coromandel coast during the day. The district averages of rainfall on the 5th and 6th were Madras 6·0″, Chingleput 4·5″, South Arcot 5·9″ and Tanjore 6·5″. The heaviest fall at a single station in these 48 hours was 14″ at Kodavasal, while several stations recorded 11″ in the same period. The small depression then passed westwards into the Arabian Sea and on the morning of the 7th unsettled conditions extended from Ceylon to the Laccadives, the 2 km wind at Colombo veering from S to SSE. During the day, conditions became more or less settled in the neighbourhood of Ceylon but a change in the Minicoy wind to a SSEly direction indicated that the depression had moved further westwards. *S. S. Wartenfels* which was about 300 miles west-northwest of Minicoy at 8 A.M. on 7th and about 100 miles east-southeast of the station at 8 A. M. of 8th, had light N-ly winds on the morning of the 7th which changed to light NW at 16 hours and to light ESE at midnight, the latter direction persisting during next 24 hours, till the steamer was about 100 miles south of Trivandrum. These winds indicate that rough weather did not prevail in the neighbourhood of Minicoy on the 7th-8th. The steamer appears to have passed the northern crest of the depression at midnight of 7th-8th when it was passing close by Minicoy and at 8 A.M. of 8th both Minicoy and the steamer lay to the northeast of the depression which was apparently near Lat. 6° N Long. 72° E. The fact that there was no rough weather is further confirmed by the velocity at Minicoy which was only 5 miles per hour and there was no fall in pressure between 8 A.M. of 7th and 8 A.M. of 8th. At 17 hours *S. S. Clive Bank* about 50 miles east of Minicoy had moderate SE wind while *S. S. Auditor* in Lat. 9° N. Long. 68° E had light NE wind indicating a further westerly movement. At 8 A.M. of 9th *S. S. Auditor* in Lat. 9° N Long. 71° E had moderate SE wind while *S. S. Karapala* in Lat. 4° N Long. 63° E. light NW winds. The position of the centre was in Lat. 6° N Long. 68° E. There are no indications in logs of these steamers of any rough weather, but the average velocity of the SE-ly winds at Minicoy had risen from 5 to 11 miles per hour. The NW winds on *S. S. Karapala* changed to WNW and W before midnight. At 4 A.M. in Lat. 8° N, Long. 66° E, the wind changed to light NE and further at 20 hours through E to moderate SE in Lat. 10° N, Long. 68° E. The principal shift in the winds is between midnight and 4 A.M. when the steamer experienced frequent heavy rain squalls.

At 8 A.M. of the 10th there were 3 steamers within a degree of Lat. 9° N, Long. 67° E all experiencing light to moderate E or SE winds and the position of barometric centre was probably near Lat. 7° N, Long. 65° E. Weather near the centre was not rough, while moderate NE winds with occasional rain squalls prevailed at some distance in the northwest quadrant. *S. S. Port Caroline*, noon position on 11th Lat. 6° N, Long 59½° E was experiencing occasional rain-squalls during the day while at 17 hours of that date *S. S. Macedonia* near Lat. 10° N, Long 63° E reported strong winds from E with moderate sea and squally weather. There

* For want of sufficient information from ships a description of this storm could not be given in the Annual Summary for 1926. The track is also charted in the plate at the end of this volume.

are no other suitable observations and the 8 A.M. position for the 11th can thus be only roughly placed near Lat. 7° N, Long. 63° E showing a motion of 2° in twenty four hours. At 8 A.M. of 12th *S. S. Port Darwin* in Lat. 5° N, Long. 58° E had moderate WSW wind with occasional lightning to north, *S. S. Macedonia* in Lat. 9° N, Long. 67½° E had light E wind and *S. S. Port Caroline* near Lat. 8° N, Long. 55° E had moderate NE wind with rain squalls. The position of the centre was near Lat. 7° N, Long. 60° E. At 8 A.M. of 13th *S. S. Theseus* and *S. S. Malakuta* had moderate ESE wind near Lat. 10° N, Long. 60° E; on the latter steamer strong NE winds on 12th changed to moderate SE on 13th and again to light NE on the 14th. But the most useful observation is a report from *S. S. Port Darwin* at 4 hours of the 13th giving gale force from NW near Lat. 8° N, Long. 56° E. Four hours later in Lat. 8° N, Long. 55°E this vessel had a W by N wind of force 11 and remarks the passage of a cyclone due north of vessel at 9 A.M. The centre was then near Lat. 8° N, Long. 56° E. The Bar. reading was 1016·9 m.b. at 8 A.M. of 12th, 983·7 m.b. at 8 A.M. of 13th and 1014·9 m.b. at 8 A.M. of 14th. The depth was thus about 32 m.b. or 1 inch. The depression had at that time intensified into a severe storm. *S. S. Jacatra* had moderate NNE winds at 12 hours of 13th, moderate ENE wind at 22 hours and ESE wind at 10 hours of 14th. *S. S. Lancashire* in Lat. 11° N. Long. 57° E at 8 A.M. of 14th had variable winds which changed to light E by S at 8 P.M. the ship lying in same position, while *S. S. Jacatra* in Lat. 11° N, Long. 55° E had ESE wind at 10 hours. The centre at 8 A.M. was probably near Lat. 9° N, Long. 55° E. The centre now lay near the path frequented by ships and more observations are available but a local circulation, in the Gulf of Aden appears to have masked the real wind directions and only one ship in that neighbourhood reports strong winds, others having light or moderate winds. On the 15th almost all steamers to the north of Lat. 10° N, have winds from between N and E and no definite circulation is indicated. The storm appears to have weakened on approaching the African coast and lay probably near Lat. 10° N Long. 53° E. Winds and rainfall in and near the Gulf of Aden began to increase thereafter and by the morning of the 16th most of the steamers had strong winds approaching gales with moderate seas and rain. The number of observations is very large but the local features of the Gulf have again masked any definite circulation and almost all winds are from NE or ENE. Moderate to strong ENE winds continued in the Gulf and by the morning of the 17th weather conditions there were becoming normal.

Unfortunately the storm moved along a track little frequented by ships and even with the telegraphic observations from ships and with the ships' logs collected in India and received from the London Meteorological office the positions of the centre can only be roughly estimated. The only evidence of the existence of a severe storm is that afforded by *S. S. Port Darwin* on the 13th.

WESTERN DISTURBANCES.

The following is a list of the western disturbances which affected the weather in northern India during the year with the dates on which they did so and brief notes on the precipitation that they produced.

January.

1	3—7	A few falls of rain or snow in the east and north Punjab, Kashmir and the North-West Frontier Province, and duststorms in the North-West Frontier Province.
2	11—13	Local rain in Bihar, Chota Nagpur and Central India East, with a few falls in the east United Provinces and the Central Provinces West on the 11th and widespread rain in northeast India on the 12th.
3	13—17	A few light falls of snow in Kashmir on the 13th, local rain in Chota Nagpur and southwest Bengal with a few falls in Bihar on the 15th and nearly general rain in south Bengal on the 16th. Also local rain in the Madras Coast North and a few falls in Orissa and the east Central Provinces on the 17th.
4	18—20	Local rain and duststorms in north Baluchistan on the 18th and local precipitation in Kashmir and on the north Madras Coast with a few falls in east Hyderabad on the 19th.
5	21—24	Local snowfall on the frontier hills with a few falls in Kashmir on the 21st, local snow in Kashmir and duststorms in northwest India on the 22nd and a few falls of rain or snow on the Punjab hills on the 23rd. Also local rain in the east Central Provinces with a few falls on the Madras Coast North on the 22nd.
6	24—26	A few light falls of snow in Kashmir on the 24th and 25th.

February.

7	27 Jan.—5th Feb.	Local rain or snow over the western Himalayas from Baluchistan to the Kumaon hills almost daily from the 28th January to 1st February with some extension of rainfall into the plains of the Punjab and the United Provinces; also local rain in the central parts of the country on the 31st with a few falls in northeast India between the 30th January and 1st February.
8	7—10	General rain in Baluchistan on the 7th, widespread rain or snow over the hills from northeast Baluchistan to the west United Provinces with local falls in the adjacent plains on the 8th and widespread snow on the western Himalayas extending from Kashmir to the United Provinces with locally heavy rain in the plains of the southeast Punjab and the United Provinces on the 9th. Also nearly general rain in south Bengal on the 9th and numerous thunder and duststorms in the southern half of the northeast India on the 10th.

February.

9	11—17	Nearly general rain in northeast Baluchistan and a few falls in Kashmir on the 12th, local rain in the North-West Frontier Province and Kashmir with numerous light showers in Baluchistan and the Punjab on the 13th, and then continuous rain over most of the western Himalayas and the adjoining plains.
10	19—23	Local falls of rain in Baluchistan, Sind, Rajputana and Gujarat on the 19th and over the whole of northwest India and the United Provinces on the 20th; an extension of general rain in northeast India and the central parts of the country on the 21st and 22nd. Also heavy snowfall on the Simla-Kumaon hills on the 21st and 22nd.
11	24—27	Light precipitation locally on the western Himalayas with a few falls in the plains of the north Punjab.

March.

12	2—6	Local falls of rain in northeast Baluchistan from the 2nd to 5th and local rain or snow in the North-West Frontier Province with numerous duststorms in Baluchistan and lower Sind on the 3rd; nearly general rain or snow in Kashmir and the north Punjab with local falls on the Kumaon hills and the North-West Frontier Province on the 4th and 5th; and a few falls on the Punjab hills and in the west United Provinces on the 5th. Also local rain in the east Central Provinces and the adjacent parts of Orissa on the 4th, a few falls in Bengal on the 5th and local rain in Assam on the 6th.
13	7—10	Nearly general rain in northeast Baluchistan and light snow in Kashmir on the 8th, widespread rain from the Punjab to Bihar and from Central India East to Hyderabad North on the 9th, and along the Gangetic plain and the Brahmaputra valley on the 10th.
14	11—14	Local rain in the North-West Frontier Province on the 11th and nearly general rain on the 12th, and a few falls in the North Punjab and Kashmir on the 12th. Also local rain in the Central Provinces on the 12th.
15	14—16	A few falls of rain in the North-West Frontier Province on the 14th and local rain on the 15th, and a few falls in Kashmir on the 14th and in the west Central Provinces on the 15th.
16	17—19	No rain.
17	20—24	A few light falls of rain or snow in Kashmir on the 20th, local falls on the 22nd and nearly general on the 23rd with extensive duststorms all over northwest India.
18	26 30	Widespread and locally heavy rain in Kashmir with a few falls in the North-West Frontier Province with numerous duststorms in northwest India on the 28th and local precipitation in Kashmir and a few falls in the Punjab-Kumaon hills on the 29th.

April.

19	31st Mar.—2nd April.	Local precipitation in the North-West Frontier Province on the 1st April.
20	3—5	Widespread but light rain along the frontier and in the Punjab plains with local rain in the Punjab hills on the 3rd; numerous dust and thunderstorms in northwest India and nearly general rain on the Punjab-Kumaon hills and local rain in the North-West Frontier Province and northeast Baluchistan on the 4th; and a few falls in the plains of the north Punjab on the 4th and in Kashmir on the 4th and 5th.
21	6—10	A few falls of rain along the frontier on the 6th, local rain along the western Himalayas and the North-West Frontier Province on the 7th, and widespread rain in northwest India on the 8th with numerous and extensive dust and thunderstorms in northwest India. Also extensive showers in parts of northeast India on the 9th and 10th.
22	11—16	A few falls of rain along the frontier on the 12th and 14th and nearly general rain or snow in Kashmir and local rain in the North-West Frontier Province with numerous duststorms in the Punjab and Rajputana on the 15th.
23	17—19	A few light falls of rain over the hills and plains of the east Punjab and widespread duststorms in northwest India on the 18th.
24	22—23	No rain.
25	24—27	A few light falls of rain over the Punjab hills and the North-West Frontier Province, with duststorms in northwest India on the 26th.
26	29—1st May	Numerous duststorms from the frontier to the west United Provinces on the 30th.

May.

27	5—8	Local rain in the extreme north on the 6th and scattered dust or thunderstorms in northwest India on the 7th.
28	11—17	Light rain over the western Himalayas and along the frontier hills; and scattered falls in the Punjab, east Rajputana and the United Provinces west on the 15th and in the extreme north on the 16th. Also widespread thunder or duststorms in northwest India and thundershowers in the North-West Frontier Province and Kashmir.
29	24—29	A few falls of rain in Kashmir on the 24th and along the western Himalayas on the 25th and extensive rain in the North-West Frontier Province, Kashmir, the Punjab and the west United Provinces on the 27th. Also numerous dust or thunderstorms in northwest India.

June.

30	7—11	Nearly general rain in the east and north Punjab and along the western Himalayas on the 8th, numerous duststorms over northwest India on the 9th and local

June.

		rain in Kashmir with a few falls in the Punjab on the 10th.
31	23—24	Widespread duststorms along the frontier with thundershowers in the Punjab and along the western Himalayas on the 23rd.

July.

32	1—3	A few scattered showers in the Punjab and the North-West Frontier Province on the 1st.
33	19—22	Local rain in the Punjab hills on the 19th, nearly general rain on the 20th and nearly general and locally heavy rain along the western Himalayas and the adjoining plains on the 21st.

August.

34	1—4	Nearly general rain in the Punjab hills for three days and local rain in Kashmir on the 2nd; caused an extension of the monsoon in the Punjab and Kashmir.
35	8—11	Nearly general rain in the Punjab hills on the 8th and heavy rain in the west United Provinces and the adjoining hills on the 9th and 10th; caused an extension of the monsoon into the frontier hills.
36	21—25	Locally heavy rain in the Punjab-Kumaon hills with a few falls in the north Punjab on the 21st and 23rd; nearly general rain in the Punjab hills on the 22nd; and widespread and locally heavy falls in the Punjab and over the surrounding hills on the 24th.

September.

37	1—3	A few falls of rain in the Punjab hills on the 1st and local rain on the 2nd.
38	6—8	Widespread rain along the western Himalayas on the 6th, local rain in the Punjab hills on the 7th and local thundershowers in the Punjab-Kumaon hills on the 9th.
39	13—16	Scattered falls of rain and thundershowers in the extreme north.
40	26—29	Numerous thunderstorms over the Punjab on the 26th, fairly extensive rain along the western Himalayas on the 27th and 28th, widespread rain in the Punjab on the 28th and local rain in the North-West Frontier Province on the 29th.

November.

41	6—8	A few falls of rain in Kashmir on the 7th and 8th and in the Punjab-Kumaon hills on the 8th.
42	20—21	No rain.
43	25—26	No rain.
44	28—30	A few light falls of rain in Kashmir on the 28th.

December.

45	1—5	Light rain along the frontier on the 2nd and in Kashmir on the 4th.
46	6—8	Light rain along the frontier on the 7th and snow in Kashmir on the 8th.
47	9—12	A few falls of rain in Baluchistan on the 9th; nearly general rain along the frontier with local rain in Kashmir on the 10th; a few falls in the north Punjab on the 10th and in Kashmir on the 11th.
48	12—16	Local rain in Baluchistan with a few falls in the North-West Frontier Province on the 13th; nearly general rain along the frontier and local rain in Kashmir with a few falls in the north Punjab on the 14th; and local rain in the extreme north on the 15th.
49	17—19	A few falls of rain in Gujarat and Rajputana East on the 17th, nearly general rain in Gujarat, Rajputana and Central India west with a few falls in the Punjab and the west United Provinces on the 18th and nearly general rain in the Punjab and the west United Provinces with local rain in the central parts of the country on the 19th.
50	21—22	No rain.
51	25—27	Local rain in Baluchistan on the 25th.
52	29-31	Nearly general rain in the North-West Frontier Province and Sind, local rain in Baluchistan and a few falls in the southwest Punjab on the 29th; extensive rain from Kashmir to Central India west with snow along the western Himalayas on the 30th; nearly general rain in the United Provinces and in the Punjab-Kumaon hills, local rain in Central India east, the west Central Provinces, and the Punjab East and North and a few falls in Rajputana East on the 31st.

LOCAL STORMS.

Of the local storms reported in newspapers, etc., the following are noteworthy :—

1. *February, 12th.*—At Wuntho (in north Burma), after a heavy thunderstorm with cyclonic weather at 8·30 P.M. hail stones fell for about an hour, doing serious damage to the station buildings, houses, paddy godowns, trees and wild birds, over an area of 15 square miles. Tin and thatch roofs of several buildings were either blown right off or smashed to pieces. The hail stones were "as large as oranges"; some of them are said to have weighed 1¾ pounds, and they were lying 1½ feet deep after the storm.

2. *February, 14th-15th.*—Associated with a western disturbance, a thunderstorm with hail occurred in and near Chittagong. It was responsible for the

loss of two lives at Patiya and for demolishing the school building and rendering many families homeless in Rangania, a village about 15 miles from Chittagong. Serious injury was also caused to crops and cattle in this region.

3. *February, 23rd.*—There was a very heavy snowfall at Simla accompanied by fairly strong winds. Telegraphic communication between Kalka and Simla was interrupted and the railway line was blocked as far as Dharampur. The accumulation of snow over the Mahasu ridge measured about 6 feet and the temperature ranged between 25°F. and 38°F.

The Meteorological Department could not issue any report on that day, as no telegrams were received.

4. *March, 26th.*—In association with a western depression, a severe thunderstorm of the nor'wester type passed over the Feni sub-division of the Noakhali district. The storm is reported to have commenced in the west of the sub-division at about 5-15 P.M. and travelled in an easterly direction towards the hills, its duration at each point being a half to three quarters of an hour. It consisted of a furious westerly gale accompanied by heavy rain and slight hail, and had a front of about 4 to 5 miles, advancing over a distance of 6 to 7 miles.

The storm did extensive damage in about 20 villages, in which trees and huts were altogether levelled. The roof of the Fazilpur station building and the brick wall of the menials' quarters were blown away. One of the menials, was carried over a distance of 150 feet. Five persons were killed and many injured. Muhurigunj Railway Station building, the roof of a "pucca" mosque in Lemua Bazar and a number of corrugated houses in Nawabpur, including most of the public buildings, were blown away. The roof of the Madrasa at Nizkujra was also carried away.

5. *March, 30th.*—Owing to a tornado at night four carriages of an Assam-Bengal Railway train were blown off the line and capsized clear of the track between Latu and Barlekha stations. Serious damage was also caused in some villages in the Karimganj sub-division of the Sylhet district. The storm created havoc at Nijampur and Karehat. Four persons died under falling houses and two others sustained severe injuries; besides, numerous cattle were killed. The damage was estimated at more than a lakh of rupees.

6. *April, 9th-10th.*—A western disturbance caused widespread thunderstorms in east Bengal and two of them were particularly severe.

The first occurred on the evening of the 9th, between 4 and 5 P.M., in the district of Noakhali, and evidently developed into a tornado. It appears to have begun from Hasnabad, a village in Lakhmipur thana, and passed through Maninpur, Basikpur, Nandigram, Madanpur, Radhapur, Karaitali, Totarkhil and other villages upto Chhayani in Begumganj thana, devastating everything that lay in its track. Its advent was signalised by a heavy shower of hailstones accompanied by deafening peals of thunder and dazzling flashes of lightning. The area affected was reported to be only three to six hundred feet broad and 12 to 15 miles long. The number of villages seriously affected was 20. Almost all houses seen by the District Health Officer had either collapsed or been blown away. The corrugated iron roofs of the Karaitali L. P. School was blown away while the roofs of several houses were twisted beyond recognition or blown away to long distances. Betel and cocoanut trees were uprooted in thousands, and gardens were laid waste. An old tamarind tree of about 8 to 10 cubits in girth was uprooted bodily and deposited about half a mile away. Three boats with 250 maunds of cargo are reported to have been lifted, carried to a distance of 2½ miles and landed near a tank in Farashganj.

The second local storm occurred on the 10th April near Narayanganj and capsized a steam launch causing a loss of four lives; several houses were blown down at Mirpur resulting in two deaths.

7. *April, 14th.*—Another western disturbance was responsible for two severe nor'westers. The first of these occurred at 3 P.M. in the southern part of the Backergunj district, especially in the Pirozpur sub-division. Houses were blown away in several villages, and six persons were killed.

The second, a severe tornado, passed over Madaripur, Pearpur, Khagdi, Charmuguria, Mostapur and other places in the Faridpur district and devastated some 40 villages that lay in its track. Although the storm was at its greatest fury for only a few minutes, its devastation was so complete that scarcely any tree was left standing in its track. Eight persons were killed and several wounded. About 1,000 families were rendered homeless while many more had their houses considerably damaged. Even in Madaripur which was not so seriously affected as other places, the roofs of many houses and of several jute godowns were carried away, and a steam launch and several cargo boats were stranded.

8. *April, 28th.*—A thunderstorm accompanied by hail passed over the centre of Rangoon city, doing considerable damage to trees and to tiled and corrugated sheet roofs of houses in its track.

9. *April, last week.*—In connection with unsettled weather over northeast India there were numerous thunderstorms in Bengal. The most severe were the two which occurred on the 28th in the Noakhali and Dacca districts. In the Munshiganj subdivision of the Dacca district the thunderstorm lasted for more than an hour. Scarcely a house was left undamaged and a large number were blown down. Big trees were uprooted and carried to long distances and several boats sank in the

rivers Padma and Dhaleshwari. Four persons were crushed under falling houses. Great damage was also done by the same storm in Ramganj, Chandpur and other neighbouring villages in the Ramganj thana of the Noakhali district.

Another severe storm, accompanied by heavy rain and hail, passed over Jalpaiguri, causing serious damage to several tea gardens in the district.

Again on the evening of the 30th April, a severe hailstorm with heavy rain and high wind passed over the Feni sub-division. It lasted for over two hours and a half, and caused much damage to houses, trees and crops. One death from lightning was reported from the neighbourhood of Muhuriganj station.

10. *May, 2nd.*—A storm passed over Bhavanagar lasting for three hours. Many trees and telegraph posts were blown off, causing interruption in the telephone service. There was a heavy downpour of rain and roads were flooded.

11. *May, 8th and 9th.*—Conditions were disturbed in northeast India and several local storms occurred in Bengal. A severe thunderstorm lasting for about half an hour swept over Rungpur on the night of the 8th. Many huts were blown down and trees uprooted. The next day a severe storm burst over the Manikganj sub-division and as a result many houses and trees were blown away, the telegraph line between Manikganj and Shivalaya was broken down and a number of posts was levelled to the ground. On the night of the 9th a severe storm passed over Jalpaiguri causing extensive damage to houses and, perhaps, also some loss of life.

12. *May, 11th.*—At about 5 P.M. on the afternoon of the 11th May a severe thunderstorm accompanied by hail passed over Calcutta and resulted in the following damage. Four ships broke their moorings; four country boats sank and two men were drowned. Some cattle were struck by lightning. 120 telephone lines broke down and in the suburbs considerable damage was done to Bustees and houses with corrugated iron roofs. The highest gust attained a velocity of 42 miles an hour and the rainfall registered in 20 minutes was 1·4″.

Chittagong and Comilla had also been experiencing cyclonic weather for the previous few days. Torrential rain had been pouring down accompanied by a heavy gale, and many houses and trees had been blown away. Extensive damage had also been done to the standing crops. The fields had all been over-flooded and at Comilla there had been alarming rise in the river Gumti.

13. *May, 12th.*—There was a severe gale, accompanied by a heavy downpour of rain and hail, in the vicinity of Gutala on the river Godavari. A big launch, Satyanarayandas, on her way from Rajahmundry to Palavaram, was caught in the gale and went down with nearly fifty hands. Considerable damage was also caused to the neighbouring villages.

14. *May, 27th-28th.*—A storm, which uprooted a large number of trees and swept of roofs of many houses, hit Dehra Dun on the night of the 27th. Several telegraph poles came down and houses callapsed, seriously injuring many people. The damage to public property was considerable and traffic was dislocated.

The storm moved uphill and reached Mussooree in the early hours of the 28th. An unusually severe gale raged over the station with increasing violence from 2-30 to 6-30 A.M. Over 150 residential and public buildings suffered serious damages and telegraphic and telephonic communications between Mussooree and other stations were completely cut off. Several telegraph posts were actually broken in halves by the force of the wind.

15. *May, 30th.*—A storm raged over Perambur (Madras) in the afternoon and is reported to have caused extensive damage in that place. The temporary waggon shops erected by M. and S. M. Railway were destroyed almost completely. The roof of the waggon shop was blown off and about 21 workmen were slightly injured by the falling of the debris. The main down line was blocked for a considerable time near Perambur workshop. The waggon machine shop was demolished and several railway waggons were derailed in the yard. The storm lasted only for a few minutes and was confined to Perambur.

16. *June, 4th.*—There was a severe storm at Bhusaval at about three in the afternoon. It lifted tons of sand into the air, uprooted small trees and tore off the roofs of several places in the city. At the Bhusaval Railway Hospital a new verandah, over a hundred feet long and six feet wide, "pucca" built with Mangalore tiles, was bodily lifted and dumped in a broken mass several yards away.

Excluding dates of storms and depressions a description of which has been given above, winds of force nine or more were recorded on ships in the Indian Seas during the year 1927 on the following occasions:—

TABLE 3.

Month and date.	Name of ship.	Approximate position.		Remarks.
		Latitude.	Longitude.	
6th February	Manin	12°N	84°E	
17th February	Zayani	23	68	
11th July	Razmak	19	63	
18th July	Alavi	19	59	
19th July	Razmak	15	56	Force 10
22nd July	Chakrata	18	91	
29th July	Intaba	13	52	
9th August	Birkenfels	17	64	
10th August	Trifels	13	56	Force 10
11th August	Alavi	17	57	
2nd December	Barjora	27	52	

TEMPERATURE.

In January maximum temperature was above normal in the Deccan, the east Central Provinces and Berar and below it in Gujarat, Rajputana East, Sind and Baluchistan. The minimum was higher than usual over the Peninsula except in the Konkan, the Bombay Deccan and Malabar ; it was considerably lower than usual over the whole of northwest India except Kashmir, being generally more than 4° below normal ; minimum temperature was also low in Central India but high in Berar and in Orissa and the east United Provinces. Maximum temperature was appreciably below normal in February in northwest India and in the adjacent parts of the United Provinces and Central India ; it was somewhat low in Assam and Upper Burma and a little higher than usual in Hyderabad south and Mysore. The minimum in February was not much affected over any considerable part of the country.

In March maximum temperature was somewhat low in Upper Burma and Assam, and in the United Provinces, Bihar and Chota Nagpur ; it was also below normal in Rajputana East, Central India and the west Central Provinces. The minimum was lower than usual in the whole of northern India and also over most of Central India and the Central Provinces ; it was above normal in Hyderabad, Mysore, southeast Madras and the Madras Deccan. In the months of April and May maximum temperature was above normal in the east Central Provinces, Hyderabad South and Mysore and below it in Burma, and the minimum lower than usual in the west United Provinces ; the maximum was also low in the Punjab in May.

Maximum temperature in June was above normal in Bihar and Orissa, the United Provinces, Central India and the Central parts of the country and was low in Kashmir and Baluchistan ; the minimum was low in Kashmir and the North-West Frontier Province. In July maximum temperature was below normal in Gujarat, Hyderabad and the Madras Deccan ; the minimum was within a degree of the normal value all over India except in Baluchistan where it was higher than usual. Normal temperatures continued to prevail generally over the country during August also, the maximum being lower than usual only in the west United Provinces, the Punjab East and North and Rajputana and the minimum above normal in Baluchistan.

In September maximum temperature was above normal over the region extending from Central India East to Hyderabad North and below it in Assam and Rajputana East and the minimum lower than usual in Rajputana. Maximum temperature was high in October in Bihar, Kashmir, Baluchistan and Mysore and the minimum in the Punjab Southwest, the North-West Frontier Province and Sind. The month of November was marked by considerably higher maximum temperatures than usual all over the region extending from Rajputana East to Hyderabad specially during the latter half of the month ; the departures were from 3° to 6° below normal. The maximum was also appreciably low in the United Provinces, the Bombay Deccan and the Madras Deccan while it was high in Kashmir ; the minimum was above normal in the United Provinces East, Southwest Punjab and Sind and below it in Central India West.

In December maximum temperature was above normal in Bihar and Orissa, Bengal, Kashmir, and Mysore, and the minimum was appreciably higher than usual in the whole of northwest India and over the belt of country extending from the United Provinces to Mysore ; both maximum and minimum temperatures were about 2° below normal in Upper Burma during this month.

On an average over the plains of India the mean departures of maximum and minimum temperatures remained within 2° of their normal values.

TABLE 4.

Monthly and annual means of Maximum and Minimum Temperatures, etc.

TABLE 4.—*Monthly and annual means of maximum and minimum temperatures*

Division.	January.				February.				March.				April.				May.				June.			
	Maximum.		Minimum.		Maximum.		Minimum.		Maximum.		Minimum.		Maximum.		Minimum.		Maximum.		Minimum.		Maximum.		Minimum.	
	Actual.	Departure.	Actual.	Departure.	Actual.	Departure.	Actual.	Departure.	Actual.	Departure.	Actual.	Departure.	Actual.	Departure.	Actual.	Departure.	Actual.	Departure.	Actual.	Departure.	Actual.	Departure.	Actual.	Departure.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
Burma . . .	83·4	+0·2	61·1	+0·9	86·1	—0·9	63·7	+0·9	91·0	—1·0	66·9	—1·8	92·5	—2·2	73·4	—0·8	89·4	—2·9	75·0	—1·0	88·1	+0·3	75·8	+0·1
Assam . . .	73·6	+0·1	52·3	+0·9	73·8	—2·3	54·6	—0·1	79·9	—2·7	59·0	—2·3	84·2	0	66·8	—0·6	86·5	—0·1	71·4	—0·7	88·3	+0·1	75·5	—0·4
Bengal . . .	77·1	+0·1	55·2	+1·0	80·7	—0·2	58·1	+0·3	87·2	—1·8	63·1	—3·3	94·1	+1·1	73·9	+0·6	92·1	0	75·4	—0·5	90·8	+1·4	78·4	+0·6
Bihar and Orissa .	77·0	0	53·2	+0·5	80·9	—0·6	57·8	+0·9	88·6	—2·9	62·8	—2·5	100·8	+1·6	73·6	—0·1	99·9	0	77·0	—0·7	97·5	+3·3	80·0	+1·3
United Provinces .	73·3	+0·4	42·1	—5·4	75·5	—2·0	51·0	—0·1	87·2	—2·3	57·6	—2·8	100·0	—0·4	69·0	—1·8	103·5	—1·1	76·5	—1·9	103·8	+2·6	82·0	+0·3
Punjab . .	68·8	+0·2	38·4	—4·1	67·4	—4·3	44·5	—1·7	82·3	—0·4	52·8	—3·0	93·9	—0·7	64·8	—1·2	101·3	—2·6	73·6	—1·9	105·9	+0·1	79·9	—1·8
North-West Frontier Province.	64·8	—1·1	35·7	—4·2	65·3	—3·5	43·3	—0·3	78·6	+0·3	50·1	—3·2	89·5	+0·4	62·9	+0·2	100·7	—0·5	70·6	—1·7	10[illegible]·0	—0·2	77·3	—2·1
Sind . . .	72·4	—2·8	47·4	—3·5	76·2	—2·7	53·8	—0·8	87·6	—0·6	62·2	—1·5	94·8	—0·7	71·3	—0·6	101·9	—0·8	78·7	+0·2	102·7	—0·3	83·3	+0·3
Rajputana .	72·7	—2·1	42·9	—6·0	74·8	—4·0	50·4	—2·1	88·5	—1·4	59·6	—2·9	98·7	—1·2	72·1	—0·9	105·0	—1·2	79·8	—1·3	104·8	+0·7	83·3	+0·1
Bombay . .	83·9	—0·4	57·1	—1·6	85·9	—0·8	6[illegible]·5	—0·3	92·2	—0·2	66·3	—0·9	96·0	—0·6	72·3	—0·9	97·0	—0·5	76·6	—0·2	91·8	0	76·9	+0·1
Central India	76·0	—0·5	43·7	—4·8	78·6	—2·0	51·2	—0·6	89·0	—2·2	58·2	—2·7	99·4	—1·0	69·9	—0·9	104·4	—0·3	78·0	—0·1	101·5	+2·6	80·2	+0·7
Central Provinces .	82·8	+1·5	55·4	+2·1	85·2	—0·5	58·3	+1·2	93·0	—1·7	63·8	—1·3	103·2	+0·8	73·6	—0·1	106·2	+0·6	80·4	+0·9	99·0	+2·0	78·1	+0·3
Hyderabad . .	88·8	+3·2	64·5	+4·6	92·5	+1·8	64·9	+1·0	99·2	+1·5	74·0	+3·9	105·2	+2·7	77·6	+1·3	105·9	+1·6	80·3	+1·0	95·4	—0·3	75·7	—0·1
Mysore .	86·9	+3·8	68·3	+3·4	90·2	+2·1	65·4	+2·2	94·9	+1·8	70·9	+3·4	97·7	+2·6	72·0	+1·3	94·8	+2·2	70·5	+0·4	86·2	+0·9	68·7	+0·4
Madras	86·0	+0·7	69·7	+2·5	88·9	+0·2	71·3	+1·5	91·9	—0·9	76·2	+2·5	95·5	0	78·9	+1·0	95·9	—0·9	79·8	+0·3	92·9	+0·7	78·1	0

with their departures from normal in the 15 chief political divisions of India in 1927.

July.				August.				September.				October.				November.				December.				Year.			
Maximum.		Minimum.		Maximum.		Minimum.		Maximum.		Minimum.		Maximum.		Minimum.		Maximum.		Minimum.		Maximum.		Minimum.		Maximum.		Minimum.	
Actual.	Departure.	Actual.	Departure.	Actual.	Departure.	Actual.	Departure.	Actual.	Departure.	Actual.	Departure.	Actual.	Departure.	Actual.	Departure.	Actual.	Departure.	Actual.	Departure.	Actual.	Departure.	Actual.	Departure.	Actual.	Departure.	Actual.	Departure.
°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
86·2	—0·5	75·7	+0·2	85·5	—0·8	75·3	0	87·2	0	75·3	+0·2	86·5	—1·1	73·1	—0·6	85·2	—0·1	68·0	—0·8	81·5	—0·9	60·8	—1·6	86·9	—0·8	70·3	—0·4
89·1	+0·6	77·6	+0·3	88·6	+0·2	77·1	—0·3	85·9	—2·0	74·9	—1·3	86·2	+0·5	71·3	+0·1	81·0	+0·3	61·1	—0·5	76·2	+1·5	52·4	—0·4	82·8	—0·3	68·2	—0·4
89·3	+1·1	78·5	+0·1	88·8	+1·1	78·2	0	88·5	+0·3	77·2	—0·5	89·0	+1·5	74·2	+0·4	88·8	+1·0	63·8	—0·6	79·6	+2·3	56·3	+0·7	86·7	+0·6	69·4	—0·1
89·6	+0·3	78·1	+0·1	88·4	+0·2	77·6	—0·1	90·3	+1·5	77·1	+0·1	89·9	+1·8	71·4	—0·1	82·2	—0·3	61·1	+0·1	78·9	+2·0	53·8	+1·3	88·7	+0·6	68·6	0
92·9	+0·1	79·2	—0·4	88·9	—1·5	77·5	—0·9	92·9	+1·3	75·3	—0·9	90·1	—1·0	68·0	+1·2	78·4	—4·7	56·9	+1·9	75·8	+0·9	50·4	+2·9	88·5	—0·7	65·5	—0·6
98·1	—1·7	80·8	—0·4	95·2	—1·6	79·2	—0·4	97·8	+1·3	73·4	—1·4	93·8	+0·6	64·5	+1·8	82·4	+0·2	52·3	+1·9	72·3	+0·9	46·1	+3·5	88·2	—0·7	62·5	—0·8
104·8	+1·3	82·0	+0·9	100·4	+0·3	80·6	+0·9	98·0	+0·3	71·9	—1·1	92·2	+1·2	61·8	+2·1	80·0	+0·5	49·0	+1·9	68·4	—0·7	43·9	+4·1	87·5	—0·1	60·8	—0
98·4	—0·4	83·4	+1·1	93·9	—1·4	80·3	+0·5	94·9	—0·6	76·9	+0·5	94·7	—0·1	71·8	+2·7	85·0	+1·0	62·3	+3·6	78·9	+1·2	55·2	+3·4	90·4	—0·7	68·9	+0·5
95·0	—1·0	79·2	—0·9	89·4	—2·7	76·1	—1·8	92·3	—1·7	73·3	—2·5	93·7	—1·0	69·2	+1·3	83·1	—3·1	55·7	—1·3	76·4	—1·0	52·2	+2·2	89·5	—1·7	66·1	—1·4
84·7	—1·8	74·9	—0·3	85·3	—0·5	73·9	—0·1	87·7	+0·8	73·5	+0·5	89·0	—1·3	71·5	+0·9	84·7	+3·6	63·1	—1·3	84·3	—0·6	61·1	+1·8	88·5	—0·8	69·0	—0·2
88·5	+0·4	75·6	—0·3	84·4	—1·0	73·8	—0·5	89·3	+1·5	72·5	—0·2	89·0	—0·5	65·7	+0·9	77·7	—5·3	53·8	—0·5	77·1	0	51·2	+3·1	87·9	—0·7	64·5	—0·5
85·8	—1·1	74·1	—0·2	85·4	+0·3	73·7	+0·3	89·7	+2·3	72·7	+0·1	89·0	0	66·7	0	79·8	—4·3	57·1	—1·0	80·3	+0·2	54·0	+2·9	89·9	0	67·4	+0·4
86·3	—2·4	72·9	—0·3	87·9	+0·7	72·2	—0·1	89·9	+2·1	72·6	+0·5	89·6	—0·3	69·0	—0·6	82·2	—4·1	62·3	—1·1	83·9	0	60·5	+2·0	92·2	+0·5	70·5	+1·0
80·8	—1·5	67·3	+0·1	83·5	+1·0	67·1	+0·2	85·3	+1·8	67·3	+0·7	85·9	+2·1	66·3	—0·3	82·4	+0·7	64·0	+0·3	83·9	+3·0	62·2	+2·2	87·7	+1·7	67·1	+1·2
89·5	—1·5	76·7	—0·1	89·9	—0·4	76·5	+0·3	89·8	—0·2	76·1	+0·2	5	+0·8	74·5	0	85·0	—0·8	71·2	—0·2	84·6	+0·2	69·0	+1·2	89·9	—0·3	74·8	+0·7

TABLE 5.—*Monthly and annual means of maximum and minimum temperatures*

Sub-Division.	January.				February.				March.				April.				May.				June			
	Maximum.		Minimum.		Maximum.		Minimum.		Maximum.		Minimum.		Maximum.		Minimum.		Maximum.		Minimum.		Maximum.		Minimum.	
	Actual.	Departure.	Actual.	Departure.	Actual.	Departure.	Actual.	Departure.	Actual.	Departure.	Actual.	Departure.	Actual.	Departure.	Actual.	Departure.	Actual.	Departure.	Actual.	Departure.	Actual.	Departure.	Actual.	Departure.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
1. Bay Islands	84·0	—2·1	75·7	+0·1	86·0	—1·6	75·2	+0·2	88·2	—2·1	76·7	+0·4	89·8	—2·4	78·0	—0·7	86·2	—2·5	77·2	—1·2	85·0	—0·8	77·3	—0·5
2. Lower Burma	86·2	+0·8	65·5	+0·5	88·5	+0·3	68·3	+1·2	91·5	0	71·1	—0·6	91·7	—1·7	75·5	—0·5	88·0	—2·1	75·8	—0·9	86·1	+0·2	75·8	0
3. Upper Burma	79·3	—0·7	54·7	+1·5	82·6	—2·6	57·2	+0·5	90·2	—2·5	60·8	—3·5	93·8	—2·9	70·3	—1·2	91·2	—4·1	73·8	—1·1	91·1	+0·5	75·9	+0·2
4. Assam	73·6	+0·1	52·3	+0·9	73·8	—2·3	54·6	—0·1	79·9	—2·7	59·0	—2·3	84·2	0	66·8	—0·6	86·5	—0·1	71·4	—0·7	88·3	+0·1	75·5	—0·4
5 Bengal	77·1	+0·1	55·2	+1·0	80·7	—0·2	58·1	+0·3	87·2	—1·8	63·1	—3·3	94·1	+1·1	73·9	+0·6	92·1	0	75·4	—0·5	90·8	+1·4	78·4	+0·6
6. Orissa	83·2	+1·2	59·4	+2·3	87·4	+0·7	63·2	+1·0	93·3	—1·6	67·9	—1·7	102·2	+1·8	76·2	0	101·8	+0·4	79·5	—0·2	97·5	+2·5	80·7	+1·0
7. Chota Nagpur	75·8	—0·7	53·0	+1·3	79·4	—1·3	56·8	+0·7	87·1	—3·3	62·2	—2·2	100·3	+1·3	73·4	+0·5	100·9	+0·2	75·7	—1·0	97·6	+5·1	78·3	+1·8
8. Bihar	73·9	—0·4	49·7	—0·8	77·7	—1·1	55·0	+0·9	86·5	—3·5	60·1	—3·1	100·2	+1·6	72·0	—0·5	98·5	—0·2	76·0	—0·9	97·4	+3·0	80·2	+1·3
9. United Provinces, East.	73·9	+0·3	51·9	+4·2	77·0	—1·3	52·3	+0·9	87·9	—2·3	58·3	—2·4	101·3	+0·4	69·9	—1·2	103·5	—0·6	76·7	—1·4	103·3	+3·1	82·2	+0·9
10. United Provinces, West.	72·5	+0·4	40·5	—6·7	73·7	—2·9	49·5	—1·3	86·3	—2·2	56·8	—3·2	98·5	—1·3	68·1	—2·5	103·6	—1·6	76·4	—2·4	104·5	+2·0	81·7	—0·5
11. Punjab, East and North.	68·2	+0·6	38·8	—4·1	66·5	—4·9	44·6	—1·8	81·9	—0·7	53·0	—2·8	93·6	—1·1	64·5	—1·4	100·5	—2·8	73·1	—1·9	105·3	+0·5	79·5	—1·3
12. Punjab, South and West.	68·3	—0·6	37·6	—4·1	68·9	—3·4	44·2	—1·5	83·0	+0·1	52·6	—3·3	94·4	0	65·5	—0·7	102·7	—2·2	74·6	—1·9	106·9	—0·7	80·7	—2·6
13. Kashmir	34·3	+0·5	13·1	—1·3	37·3	—0·4	17·0	+0·4	47·4	—1·2	23·7	—3·9	61·2	+1·6	37·5	—0·5	71·2	+0·1	46·0	—0·4	74·0	—4·2	48·4	—3·8
14. North-West Frontier Province.	64·8	—1·1	35·7	—4·2	65·3	—3·5	43·3	—0·3	78·6	+0·3	50·1	—3·2	89·5	+0·4	62·9	+0·2	100·7	—0·5	70·6	—1·7	107·0	—0·2	77·3	—2·1
15. Baluchistan	55·8	—4·5	31·2	—4·1	57·0	—5·2	37·1	—0·3	70·7	—0·5	43·6	—1·8	80·1	—0·8	54·2	+0·7	90·2	—1·8	61·8	—0·2	95·2	—2·8	66·7	—1·5
16. Sind	72·4	—2·8	47·4	—3·5	76·2	—2·7	53·8	—0·8	87·6	—0·6	62·2	—1·5	94·8	—0·7	71·3	—0·6	101·9	—0·8	78·7	+0·2	102·7	—0·3	83·3	+0·3
17. Rajputana, West	72·8	—1·7	44·0	—5·3	75·0	—3·5	50·8	—1·9	89·2	—0·6	59·9	—3·0	99·0	—1·1	72·2	—1·1	105·4	—1·3	79·6	—1·5	105·6	+0·1	83·0	—0·7
18. Rajputana, East	72·7	—2·3	42·2	—6·5	74·8	—4·3	50·1	—2·2	88·0	—2·0	59·3	—2·9	98·4	—1·4	72·1	—0·8	104·7	—1·2	80·0	—1·1	104·2	+1·1	83·5	+0·6
19. Gujarat	79·7	—2·9	51·3	—4·6	82·3	—2·5	57·4	—0·9	90·6	—1·3	62·8	—2·8	95·2	—1·9	71·0	—1·6	97·7	—1·2	77·9	—0·1	96·1	+0·5	80·7	+0·4
20. Central India, West.	76·9	—1·6	45·0	—4·5	78·7	—3·2	51·1	—0·9	89·4	—2·1	58·6	—2·2	97·8	—1·9	69·8	—0·6	101·7	—1·6	76·9	+0·2	98·6	+1·7	77·1	+0·5
21. Central India, East.	75·2	+0·7	42·6	—5·0	78·4	—0·9	51·3	—0·3	88·6	—2·3	57·6	—3·3	101·0	—0·1	70·0	—1·3	107·1	+1·0	79·4	—0·3	104·5	+3·5	83·2	+0·9
22. Berar	88·4	+3·1	60·3	+3·9	90·4	+0·4	62·1	+2·4	97·7	—0·5	66·8	—0·7	106·2	+1·1	75·4	—0·1	108·4	+0·7	81·5	+0·8	99·6	+1·3	78·4	+0·7
23. Central Provinces, West.	80·7	+0·5	51·9	—0·2	83·1	—1·4	55·7	+0·1	91·7	—2·4	61·2	—2·7	102·1	—0·2	72·4	—0·6	105·6	—0·4	80·0	+0·6	99·6	+1·7	78·3	+0·1
24. Central Provinces, East.	83·2	+2·2	58·2	+4·7	86·3	+0·8	60·8	+2·8	93·1	—0·9	66·7	+1·1	103·6	+2·5	74·8	+0·9	106·2	+2·1	80·3	+1·3	97·9	+2·9	77·4	+0·3
25. Konkan	84·3	—1·0	67·9	+0·3	85·8	+0·9	68·7	+0·3	87·1	+0·3	73·1	+0·1	88·7	—0·5	76·7	—0·9	89·7	—0·7	80·1	—0·2	86·4	—0·2	77·2	—0·5
26. Bombay, Deccan	88·2	+2·7	57·4	+1·3	90·4	+0·2	58·9	+0·2	97·5	+0·9	66·1	+0·9	101·6	+0·7	70·9	—0·2	101·2	+0·5	72·7	—0·3	90·4	—0·5	72·1	—0·1
27. Hyderabad, North	88·7	+3·4	61·6	+5·3	90·5	+0·7	62·3	+2·1	98·0	+0·9	71·1	+4·0	104·4	+1·7	75·8	+1·1	105·9	+1·0	80·0	+1·9	95·1	—0·5	75·1	+0·2
28. Hyderabad, South	88·9	+3·1	66·0	+4·3	93·4	+2·3	66·3	+0·5	99·7	+1·8	75·4	+3·8	105·4	+3·3	78·5	+1·3	105·8	+1·9	80·4	+0·5	95·5	—0·2	75·9	—0·3
29. Mysore	86·9	+3·8	63·3	+3·4	90·2	+2·1	65·4	+2·2	94·9	+1·8	70·9	+3·4	97·7	+2·6	72·0	+1·3	94·8	+2·2	70·5	+0·4	86·2	+0·9	68·7	+0·4
30. Malabar	87·4	—0·1	72·9	+1·8	88·0	—0·1	74·1	+0·9	88·7	—0·9	77·6	+1·4	89·7	—0·8	79·2	+0·9	87·5	—1·9	77·5	—0·6	83·5	—1·0	74·8	—0·2
31. Madras, South-East.	86·2	+0·9	70·7	+2·3	89·4	+0·5	72·3	+2·6	92·1	—1·1	75·7	+2·7	95·7	—0·3	77·9	+0·6	96·2	—1·5	78·8	+0·1	94·3	—1·6	78·0	+0·1
32. Madras, Deccan.	90·2	+1·9	67·1	+4·6	94·2	0	67·6	+0·7	100·3	—0·4	77·0	+4·1	105·0	+0·7	80·8	+1·9	104·1	—0·2	81·0	+0·5	96·0	—1·3	77·7	—0·2
33. Madras Coast, North.	82·7	+0·5	67·5	+2·2	86·4	+0·3	69·7	+0·7	89·6	—0·9	75·8	+2·1	94·1	+0·6	78·7	+0·9	96·9	+0·2	82·0	+1·1	95·8	+1·0	80·9	+0·2

with their departures from normal in the 33 sub-divisions of India in 1927.

July.				August.				September.				October.				November.				December.				Year.			
Maximum.		Minimum.		Maximum.		Minimum.		Maximum.		Minimum.		Maximum.		Minimum.		Maximum.		Minimum.		Maximum.		Minimum.		Maximum.		Minimum.	
Actual.	Departure.	Actual.	Departure.	Actual.	Departure.	Actual.	Departure.	Actual.	Departure.	Actual.	Departure.	Actual.	Departure.	Actual.	Departure.	Actual.	Departure.	Actual.	Departure.	Actual.	Departure.	Actual.	Departure.	Actual.	Departure.	Actual.	Departure.
°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
84·8	—0·6	77·9	+0·4	84·4	—0·8	76·8	—0·4	85·7	+0·8	77·3	+0·7	84·9	—1·5	77·0	+0·1	85·0	—1·6	77·1	0	84·0	—1·6	77·0	+0·5	85·7	—1·4	76·9	—0·1
84·2	—0·4	75·4	+0·2	84·0	—0·4	75·0	—0·2	86·3	+0·9	75·7	+0·4	86·3	0·8	74·5	—0·6	87·0	+0·6	71·5	—0·6	84·6	0	66·0	—1·1	87·0	—0·3	72·5	—0·2
89·1	—0·6	76·1	+0·3	87·7	—1·3	75·8	+0·8	88·3	—1·4	74·6	—0·1	86·9	—1·5	71·3	—0·5	82·7	—1·0	63·0	—1·1	77·2	—2·0	53·4	—2·2	86·7	—1·6	67·2	—0·6
89·1	+0·6	77·6	+0·3	88·6	+0·2	77·1	—0·3	85·9	—2·0	74·9	—1·3	86·2	+0·5	71·3	+0·1	81·0	+0·3	61·1	—0·5	76·2	+1·5	52·4	—0·4	82·8	—0·3	66·2	—0·4
89·3	+1·1	78·5	+0·1	88·8	+1·1	78·2	0	88·5	+0·3	77·2	—0·5	89·0	+1·5	74·2	+0·4	83·8	+1·0	63·8	—0·6	79·6	+2·3	56·3	+0·7	86·7	+0·6	69·4	—0·1
88·0	—1·0	78·2	+0·1	88·2	0	77·8	—0·1	89·9	+0·6	77·5	—0·1	90·6	+1·5	72·4	—0·8	85·0	+0·7	62·5	—1·2	82·2	+2·0	56·5	+0·6	90·8	+0·3	71·0	+0·1
86·9	—0·6	75·2	—0·3	85·6	—0·5	75·5	+0·5	88·5	+1·8	74·1	+0·2	86·9	+0·7	67·7	—0·8	79·8	—0·7	58·1	—0·9	76·3	+0·8	51·9	+1·1	87·1	+0·2	69·3	+0·1
91·6	+1·4	79·4	+0·4	89·7	+0·6	78·7	+0·1	91·3	+1·9	78·0	+0·2	90·6	+2·4	72·4	+0·7	81·5	—0·7	61·4	+1·3	77·8	+2·4	53·0	+1·8	88·1	+0·7	68·0	+0·1
92·5	+0·1	79·3	—0·2	89·2	—0·9	77·8	—0·7	92·6	+1·3	76·4	—0·4	90·1	—0·6	69·1	+1·5	78·2	—4·9	58·0	+2·5	76·0	+0·9	51·2	+3·5	88·8	—0·4	65·9	+0·6
93·4	0	79·0	—0·6	88·5	—2·2	77·1	—1·1	93·2	+1·3	74·1	—1·5	90·2	—1·4	66·8	+0·9	78·6	—4·5	55·6	+1·2	75·5	+1·0	49·4	+2·2	88·2	—1·0	64·6	—1·3
96·0	—1·8	79·2	—0·8	92·5	—2·4	78·0	—0·6	96·6	+1·6	72·6	—1·5	92·6	+0·3	63·7	+1·4	81·5	0	51·9	+1·8	71·9	+0·8	45·9	+3·1	87·3	—0·8	62·1	—0·8
101·8	—1·5	83·6	+0·4	99·8	—0·3	81·2	—0·1	99·8	+0·7	74·9	—1·1	95·7	+1·0	65·7	+2·3	83·8	+0·5	53·0	+2·1	72·8	+1·0	46·5	+4·3	89·8	—0·5	63·3	—0·6
83·5	+1·2	58·6	+0·8	81·5	—0·2	58·2	+0·5	74·2	—0·5	47·5	—1·9	68·0	+2·5	39·6	+1·0	55·5	+2·3	27·0	—0·3	41·7	+2·0	22·2	+3·3	60·8	+0·3	36·6	—0·5
104·8	+1·3	82·0	+0·9	100·4	+0·3	80·6	+0·9	98·0	+0·3	71·9	—1·1	92·2	+1·2	61·8	+2·1	80·0	+0·5	49·0	+1·9	68·4	—0·7	43·9	+4·1	87·5	—0·1	60·8	—0·2
98·0	—0·9	74·0	+2·6	97·0	+0·9	71·5	+3·2	91·4	+0·3	60·4	+0·8	85·4	+2·7	51·1	+1·8	73·4	+1·2	40·6	—0·1	63·2	+1·1	39·6	+4·8	79·8	—0·8	52·7	+0·5
98·4	—0·4	83·4	+1·1	93·9	—1·4	80·3	+0·5	94·9	—0·6	76·9	+0·5	94·7	—0·1	71·8	+2·7	88·0	+1·0	62·8	+3·6	78·9	+1·2	55·2	+3·4	90·4	—0·7	68·9	+0·5
97·8	—1·7	80·1	—1·5	92·6	—2·9	77·3	—1·9	95·2	—1·3	74·7	—2·4	95·2	—1·1	70·6	+1·1	85·8	—1·3	58·2	—0·3	76·7	—0·7	53·0	+2·1	90·9	—1·4	66·9	—1·4
93·1	—0·6	78·6	—0·5	87·2	—2·7	75·3	—1·7	90·2	—2·1	72·5	—2·5	92·8	—0·9	68·4	+1·5	81·3	—4·3	54·1	—1·9	76·2	—1·1	51·5	+2·2	88·6	—1·0	65·6	—1·3
87·0	—2·5	77·8	—0·6	87·3	—1·8	76·6	—0·1	90·2	+0·5	76·0	+0·7	91·6	—2·1	72·9	+1·7	87·0	—3·4	62·4	—1·4	83·7	—0·8	50·3	+2·0	89·0	—1·5	68·8	—0·7
86·2	—0·5	73·3	—0·4	82·1	—1·7	71·4	—0·7	86·6	—0·1	70·1	—0·4	88·2	—1·7	64·8	+0·7	77·6	—6·7	52·7	—2·2	77·9	—1·3	51·9	+2·4	86·8	—1·7	63·6	—0·[illegible]
90·9	+1·3	78·0	—0·1	86·5	—0·4	76·3	—0·3	92·2	+3·3	74·7	—0·1	89·8	+0·7	66·7	+1·1	77·8	—3·9	55·0	+1·3	76·4	+1·3	50·7	+3·9	89·0	+0·3	65·5	—0·2
86·8	—1·9	74·8	+0·5	88·0	+1·3	73·9	+0·8	92·2	+3·3	73·2	+0·7	91·6	—0·1	68·6	+1·0	82·4	—5·1	59·7	—0·5	83·4	—0·3	58·9	+4·0	92·9	+0·2	69·5	+1·2
85·8	—1·1	74·1	—0·5	84·8	+0·1	73·7	+0·2	89·8	+2·5	72·2	—0·2	89·1	—0·1	66·2	+0·2	78·5	—5·4	55·6	—1·1	79·4	0	54·3	+3·2	89·2	—0·5	66·3	—0·1
85·4	—0·7	74·1	+0·1	84·8	+0·1	73·8	+0·3	88·2	+1·5	73·1	+0·1	87·2	0	66·7	—0·8	80·3	—2·3	57·8	—1·2	79·9	+0·8	53·8	+1·9	89·7	+0·8	68·1	+0·9
83·2	—0·7	75·6	—0·7	83·4	—0·1	75·7	—0·1	84·3	+0·5	75·6	+0·4	86·5	—0·2	75·0	—0·1	86·1	—1·8	71·4	—0·5	86·2	—0·4	70·3	+1·7	86·0	—0·3	73·9	—0·1
83·2	—1·6	71·1	+0·3	84·4	+0·2	69·5	—0·1	86·9	+1·2	69·1	+0·3	88·0	—0·8	67·2	+0·4	81·4	—4·7	58·7	—1·6	83·6	—0·5	56·9	+1·4	89·7	—0·2	65·9	+0·2
85·2	—2·5	72·6	+0·3	86·2	+0·5	71·2	+0·1	89·4	+2·3	71·3	+0·5	89·4	—0·5	67·6	+0·1	81·2	—5·1	58·8	—1·4	83·5	—0·2	57·4	+2·7	91·5	+0·3	68·7	+1·4
86·9	—2·3	73·0	—0·6	88·8	+0·9	72·6	—0·3	90·0	+1·9	73·3	+0·5	89·6	—0·3	69·7	—0·9	82·7	—3·6	63·9	—1·0	84·2	+0·1	62·0	+1·7	92·6	+0·7	71·4	+0·5
86·8	—1·5	67·3	+0·1	88·5	+1·0	67·1	+0·2	85·3	+1·8	67·3	+0·7	85·9	+2·1	66·3	—0·3	82·4	+0·7	64·0	+0·3	83·9	+3·0	62·2	+2·2	87·7	+1·7	67·1	+1·2
81·5	—1·6	73·4	—0·9	83·4	+0·3	74·6	+0·2	83·9	—0·2	74·3	—0·2	85·6	+0·3	74·3	—0·4	86·0	—0·1	73·7	—0·2	87·6	+0·7	73·4	+1·6	86·1	—0·4	75·0	+0·4
92·5	—1·4	77·2	+0·5	92·3	—0·8	76·9	+1·0	91·5	—0·7	75·9	+0·5	90·7	+1·4	75·1	+0·8	85·8	—0·1	72·7	+0·4	84·6	+0·5	70·9	+1·2	90·9	—0·4	75·2	+1·1
90·9	—2·1	75·4	—0·6	92·2	+0·2	75·1	+0·1	92·4	+1·0	74·5	+0·2	91·6	+0·4	71·8	—0·5	84·5	—3·5	66·6	—0·5	85·4	—1·0	64·0	+1·7	93·9	—0·4	73·2	+1·0
90·0	—1·2	78·6	—0·3	89·9	—0·6	78·0	—0·5	90·2	—0·2	78·1	0	89·3	+0·5	75·5	—0·3	83·5	—0·8	69·9	—0·8	81·8	+0·3	66·0	+0·7	89·2	0	75·0	+0·5

HUMIDITY.

Both absolute and relative humidities were below normal in January over the whole of northwest India, the United Provinces and the central parts of the country; relative humidity was low over the Deccan. In February humidity was about normal over most of the country the only noteworthy increase being in Rajputana due to the excessive rain in that region; relative humidity was above normal also in Chota Nagpur and Central India East and below it in the Madras Deccan. In keeping with the large deficiency of rainfall in March both absolute and relative humidities were lower than usual in northwest India; humidities were below normal also in Orissa, the United Provinces and the west Central Provinces and above it in Mysore, while relative humidity was low in Hyderabad North. In the month of April low humidities persisted over the region extending from Bihar and Orissa to the North-West Frontier Province and they were below normal in Baluchistan and in the central parts of the country excepting Berar; air was very markedly dry over the Deccan plateau but absolute humidity was above normal in Mysore.

The air was appreciably dry in May in the Central Provinces and Hyderabad; relative humidity was above normal in Upper Buma and Berar and the absolute humidity lower than usual in the United Provinces, the Punjab, the North-West Frontier Province, Sind and Central India. Humidities remained low during the month of June over most of northern and central India excepting Kashmir and Berar where the relative humidity was above normal; the departures of humidities from their normal value were, however, not so pronounced in northeast India as elsewhere over northern India. The absolute humidity was below normal in the United Provinces, the Punjab, the North-West Frontier Province and Rajputana and above it in Bengal.

In July the air was distinctly moister than usual in Chota Nagpur, the east Central Provinces and Hyderabad and the absolute humidity above normal in Assam, the United Provinces, the Punjab, Sind and Central India. During the month of August the air was more or less normally moist everywhere except in the Punjab and Rajputana where humidities were above normal; absolute humidity was also above normal in Sind while the relative humidity was below it in the Berar.

Normal humidities continued in September, the only departures below the normal values being in the Punjab and the Central Provinces; absolute humidity, however, was below normal in the North-West Frontier Province, Sind and Rajputana. In October the air was more humid than usual in Central India and over most of northwest India except Kashmir and less humid in Mysore and Madras Southeast; relative humidity was low in Bihar and Chota Nagpur. Consistently with the excessive rainfall in November over the region extending from the United Provinces to Hyderabad the humidities increased over this whole area; the air was more humid than usual also in most of northwest India except Kashmir and Baluchistan where relative humidity was below normal. The month of December was marked by higher humidities than usual all over the country except in the south of the Peninsula; relative humidity departures above the normal values were however less marked in northeast India than over the rest of the country.

On an average over the plains of India the absolute amount of vapour present in the air was distinctly lower than usual from March to June and higher in December, while the relative humidity was below normal in January and June and above it in November and December.

TABLE 6.—*Departure of the mean monthly and annual aqueous vapour pressure from the normal in the 15 Chief Political Divisions of India in 1927.*

DIVISION.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	YEAR.
	"	"	"	"	"	"	"	"	"	"	"	"	"
Burma	+·012	+·021	—·029	+·004	—·004	0	+·005	—·012	—·011	—·031	—·026	—·031	—·009
Assam	+·015	—·010	—·028	—·018	—·014	+·009	+·029	—·005	—·027	—·001	—·004	+·005	—·004
Bengal	+·019	—·006	—·055	+·024	—·009	+·025	—·005	—·007	—·004	+·009	—·009	+·028	+·001
Bihar and Orissa	+·019	+·014	—·018	—·050	—·005	—·003	+·011	+·004	+·001	—·004	+·013	+·047	+·002
United Provinces	—·074	—·008	—·062	—·074	—·038	—·078	+·021	+·006	—·017	+·040	+·064	+·077	—·012
Punjab	058	—·008	—·073	—·060	—·055	—·117	+·033	+·042	—·049	+·058	+·035	+·046	—·017
North-West Frontier Province.	— 051	—·018	—·108	—·065	—·081	—·119	+·007	+·015	—·059	+·037	+·013	+·047	—·032
Sind	—·087	—·012	—·046	—·018	—·034	—·021	+·030	+·031	—·031	+·097	+·056	+·031	0
Rajputana	—·082	+·013	—·047	—·037	—·007	—·145	0	+·005	—·031	+·055	+·047	+·070	—·013
Bombay	—·040	—·021	—·061	—·053	—·019	—·002	—·002	—·014	—·002	+·023	+·014	+·057	—·010
Central India	—·074	—·004	—·048	—·053	—·049	—·022	+·022	—·002	—·002	+·069	+·063	+·085	—·001
Central Provinces	+·003	+·005	—·026	—·055	—·020	—·021	+·016	—·001	—·001	+·022	+·041	+·089	+·004
Hyderabad	+·030	—·010	+·009	—·118	—·061	+·013	+·018	—·009	+·017	+·003	+·029	+·075	0
Mysore	+·025	+·021	+·086	+·037	+·012	—·001	+·002	—·001	0	—·043	—·032	+·027	+·011
Madras	+·048	+·011	+·033	—·020	—·014	—·003	—·014	—·009	+·003	—·030	—·019	+·017	0
Mean of India	—·017	+·002	—·033	—·037	—·023	—·032	+·010	+·001	—·012	+·016	+·017	+·041	—·006

TABLE 7.—*Departure of the mean monthly and annual relative humidity from the normal in the 15 Chief Political Divisions of India in 1927.*

DIVISION.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	YEAR.
	%	%	%	%	%	%	%	%	%	%	%	%	%
Burma	0	+2	—2	+2	+3	—1	0	—1	—1	—1	—1	0	0
Assam	—1	—2	—1	—3	—3	—1	—1	—2	0	—3	—1	+1	—1
Bengal	0	—2	—2	0	—1	—1	—2	—2	0	—1	—1	+1	—1
Bihar and Orissa	—2	—1	—1	—8	—1	—6	0	—1	—3	—5	—2	0	—2
United Provinces	—9	+1	—5	—7	—1	—9	+2	+2	—3	+2	+11	+11	0
Punjab	—9	+4	—9	—5	—2	—9	+4	+5	—3	+5	+5	+6	—1
North-West Frontier Province.	—14	—3	—17	—8	—6	—7	—1	—1	—4	+3	+1	+6	—4
Sind	—16	0	—5	0	—2	—2	+2	+3	—4	+7	+5	+1	—1
Rajputana	—12	+6	—5	—2	0	—13	+2	+5	0	+2	+7	+10	0
Bombay	—6	—2	—6	—3	—1	0	+2	—1	—1	+2	+6	+7	0
Central India	—8	+3	—3	—4	—3	—6	+3	+1	—1	+8	+17	+14	+2
Central Provinces	—5	—1	—2	—6	—3	—3	+3	—1	—4	+2	+10	+11	0
Hyderabad	—1	—1	—1	—12	—5	+4	+5	+1	+1	+3	+10	+10	+1
Mysore	—1	+1	+7	+4	+1	+1	+3	+1	+1	—4	—2	+1	+1
Madras	0	—2	0	—3	—1	+1	0	—1	0	—4	—1	0	—1
Mean of India	—5	+1	—3	—3	—1	—4	+1	+1	—1	+1	+4	+5	0

CLOUD.

In January, cloud proportion was markedly in excess in northeast India excluding Orissa and in the Peninsula excluding the Konkan and the Bombay Deccan. It was also in excess in Sind but was in defect in the United Provinces, the Punjab East and North, the North-West Frontier Province, Rajputana and Central India. The excess persisted through the next month in northeast India and in Malabar, Mysore and the Madras Deccan, while there was more cloud than usual in Burma, the United Provinces, the Punjab, Baluchistan and Rajputana and in Central India West and the west Central Provinces. The month of March was characterised by less cloudy skies over northwest India except in Kashmir and Gujarat while cloud proportion was more than usual all over the Peninsula excluding the Konkan. Skies were less clouded than usual in March in Upper Burma, Bihar and Orissa and Central India and more so in Lower Burma, Berar and the east Central Provinces.

In April and May cloud amount was higher than usual in Burma, the southwest Punjab and Malabar but lower in Bihar and Orissa and the east United Provinces, Central India and Hyderabad North ; skies in April were also more clouded than usual in the southwest Punjab, Baluchistan, Sind and Rajputana West and less so in Bihar, while in May, cloud proportion was in excess in Chota Nagpur, the west United Provinces, Gujarat and Mysore and in defect in Sind, Rajputana East, Berar, the west Central Provinces and the Bombay Deccan. In June, cloud proportion continued to be in defect in Orissa the east United Provinces and Central India but skies were more clouded than usual in the Punjab southwest, Kashmir and the North-West Frontier Province ; over the rest of northwest India cloud amount was below normal.

From July to September cloud proportion was generally normal over the country, except for some excess in parts of northwest India in July, in the West United Provinces and Rajputana West in August, and in Upper Burma in September, while there was some defect in the Punjab East and North and the east Central Provinces in September. In October, skies were more clouded than usual in the United Provinces and Central India west and less so in Bihar and Orissa ; cloud proportion was also higher than usual in Sind and Rajputana, while it was lower than usual in the southwest Punjab, Kashmir and the North-West Frontier Province.

In November there was an excess of cloud over the belt of country from Bihar to the east Punjab and also over the region extending from the west Rajputana to Hyderabad. Cloud proportion in December was markedly in excess over the region extending from the United Provinces to Mysore and in the whole of northwest India ; it was also above normal in Upper Burma and Chota Nagpur.

On an average over the plains of India there was distinctly more cloud than usual in February, November and December, while in the other months cloud proportion was approximately normal.

TABLE 8.—*Departure of the mean monthly and annual cloud amount from the normal in the 15 Chief Political Divisions of India in 1927.*

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

RAINFALL.

I.—*The Cold weather period, January and February.*—The winter rainfall in northern India is determined by the activity of the disturbances which travel from the west and enter northwest India across the frontier. Despite the usual number of such disturbances the rainfall in ***January*** over northwest India was markedly in defect; their southern portions however were more active and travelling eastwards caused an excess of rainfall over most of northeast India.

In ***February*** the western disturbances produced abundant rainfall over the whole of northern India from Baluchistan to Upper Burma. Rainfall was also in large excess in Madras but was in slight defect in Hyderabad and Mysore.

The total rainfall of the period exceeded six times the normal amount in Upper Burma and twice the normal amount in Lower Burma, Chota Nagpur and Bihar, while Assam, Bengal and Malabar also recorded large excesses. Rainfall was in slight excess in Hyderabad North and Madras Southeast, nearly normal in Sind and the Central Provinces East and in slight defect in the United Provinces, Kashmir, Rajputana West, Gujarat, Hyderabad South and the Madras Coast North. In the remaining subdivisions, it was in moderate to large defect. Averaged over the plains of India, the rainfall was in excess by 24 per cent.

II.—*The Hot weather period, March to May.*—Notwithstanding the frequent passage of western disturbances the total rainfall during ***March*** was in large defect over northwest India. The disturbances were however more active in the central parts of the country where rainfall was in moderate excess. In the Peninsula more than the usual amount of rain fell in this month.

In ***April*** the western disturbances were normally active over northern India during the first fortnight; later they ceased to give rain over northwest and Central India but caused unusually wet weather over Bengal and Assam. Thundershowers occurred almost daily in south Burma throughout the month and in south Madras during the last week.

In ***May***, advances of the monsoon were restricted to Malabar and Burma and the western disturbances were fairly active in the extreme north and the United Provinces. Over the rest of the country rainfall was generally in defect.

The total rainfall of the period was in slight to moderate excess n the Bay Islands, Burma, the United Provinces, Central India East, Malabar and Madras South East, and nearly normal in Assam, Bengal, Bihar and the Central Provinces West. It was in slight defect in Chota Nagpur and the Punjab East and North, and in moderate to large defect elsewhere. Averaged over the plains of India, the rainfall was normal.

III.—*The Monsoon period, June to September.*—In ***June*** the activity of the Arabian Sea monsoon was mainly confined to the southern half of the Peninsula till the 11th; thereafter rainfall extended northwards along the west coast to Gujarat and into the Deccan and the Central Provinces. On the whole this branch of the monsoon was fairly active in the Peninsula but weak over most of northwest and Central India. The monsoon was established in the south and the middle of the Bay of Bengal during the last week of May, and under the influence of a storm which passed from the head of the Bay to Chota Nagpur and Bihar it extended into northeast India by the first week of June. Another storm which formed off the Orissa coast on the 16th and moved to the west United Provinces caused a general strengthening of the Bay current over northeast India and the central parts of the country. On the whole, however, the Bay monsoon was generally feeble over its field of activity from Burma to the United Provinces except in Assam where rainfall was in slight excess.

The month of ***July*** began with an active monsoon over the Peninsula and the central parts of the country. With the northward passage of a shallow depression which developed off the Konkan on the 4th it extended into Sind and Rajputana by the end of the first week. The Bay current slowly advanced along the Gangetic plain into the east Punjab by the 4th and remained active over northeast India till the 10th. The monsoon was weak between the 10th and 19th except for the localised effect of the two depressions, one of which moved from the head of the Bay to Gujarat between the 11th and 13th and another which appeared over the southwest Punjab on the 15th; locally heavy rain fell along the track of the earlier of these depressions and also in the United Provinces. A revival of both branches took place on the 20th and the monsoon continued to be active till the end of the month. A deep depression from the head of the Bay moved to south Rajputana through the central parts of the country between the 23rd and the 27th and pro-

duced an unusual concentration of rainfall in northeast Gujarat where severe floods caused serious damage to life and property.

During ***August*** the Arabian Sea monsoon was in general weak over the Peninsula but extended into the central parts of the country and northwest India under the influence of the Bay depressions travelling to these regions. Three depressions formed at the head of the Bay during the month. The first travelled from the Ganjam coast to the west United Provinces between the 7th and 17th, the second from Orissa through the United Provinces to Upper Sind between the 16th and 21st and the third from Orissa to the United Provinces between the 21st and 27th. All caused widespread and locally heavy rain along their tracks and particularly in Rajputana between the 18th and 20th. Heavy rain also fell near the Punjab-Kumaon hills during the last week. The Bay current was normally active in Burma, but somewhat weak over northeast India.

From the beginning of ***September*** the Arabian Sea monsoon was generally weak and after the 4th it showed signs of retreat from northwest India. Weather continued to be practically dry over the Peninsula till the 10th but thereafter the monsoon became fairly active there. Under the influence of the low pressure area which moved rapidly from the Bay across the Deccan and later developed into a depression off the Konkan on the 21st, it strengthened there between the 17th and 20th and extended into Gujarat and south Rajputana between the 21st and 23rd. The activity of the Bay monsoon was directed largely to Upper Burma, Assam and Bengal with occasional extensions into Bihar and Orissa and the United Provinces.

The total rainfall of the period was in large excess in Sind, and Gujarat, and in slight excess in Assam, Rajputana West, the Bombay Deccan, Hyderabad South, Malabar, the Madras Deccan and the Madras Coast North. It was nearly normal in Burma, Orissa, the United Provinces West, Kashmir, Rajputana East, the Central Provinces, the Konkan, Mysore and Madras South East and in slight defect in the remaining sub-divisions except in the Punjab South West where it was in moderate defect. Averaged over the plains of India, the rainfall was in defect by two per cent.

IV.—*The retreating south-west monsoon period, October to December.*—In ***October***, the south-west monsoon continued to be active over Burma and Assam, but weakened over the rest of northwest India. On most of the days weather was dry over northwest and Central India, but there was an unusual concentration of rainfall in the west Central Provinces, the west United Provinces and the Punjab East and North caused by the depression which formed in the Bay of Bengal on the 3rd and subsequently passed over the Central Provinces and the east United Provinces. With the westward movement of a Typhoon from the China Seas, a low pressure area appeared over Burma which gave extensive and locally heavy rain in that division between the 8th and 11th. The northeast monsoon appeared over the Madras coast on the 20th, but its activity was more or less confined to the extreme south of the Peninsula till the end of the month. It extended along the Madras coast under the influence of the second depression which formed in the south of the Bay of Bengal on the 30th.

The outstanding feature in ***November*** was the occurrence of two storms which passed inland, one from the south of the Bay of Bengal in the beginning of the month and the other from the Arabian Sea in the middle of the month. The principal rainfall associated with these disturbed conditions occurred over the region extending from the United Provinces to Hyderabad over which the month's precipitation was very much in excess of the normal. Generally dry weather prevailed over the country, however, for about the last ten days of the month.

In ***December*** the northeast monsoon remained feeble. Although eight western disturbances crossed the frontier during this month, they were weak and failed to give the usual amount of rain in northwest India.

The total rainfall of the period exceeded four times the normal amount in the United Provinces West and Central India West, thrice the normal amount in Central India East and twice the normal amount in the United Provinces East, Rajputana East, Berar and the Central Provinces West, while Upper Burma, Rajputana West, Gujarat, the Konkan and Hyderabad North also recorded large excesses. Rainfall was in slight to moderate excess in Lower Burma, Assam, the Punjab, Sind, the Central Provinces East, Bombay Deccan and Hyderabad South, and nearly normal in the Bay Islands, the North-West Frontier Province, Baluchistan, Madras Southeast, the Madras Deccan and the Madras Coast North. It was in large defect in Mysore and in slight to moderate defect in the remaining subdivisions. Averaged over the plains of India, the rainfall was in excess by 19 per cent.

The year.—I. The rainfall during the cold weather months, January and February, was in large excess in Burma and northeast India, in moderate excess in Madras, normal in Sind and Hyderabad and in slight to moderate defect over the rest of the country. Averaged over the plains of India, the rainfall during the period was in excess by 30 per cent.

II. In the hot weather season, March to May, rainfall was normal or in excess in the areas which ordinarily receive most rain in these months, namely, Burma, Assam, Bengal and Madras. Elsewhere this season was generally characterised by a deficiency of rainfall.

III. The monsoon was on the whole normal and, apart from flooding in Gujarat and Orissa, well distributed rain fell over the country ; an excess of about 55 per cent occurred in Sind and Gujarat, while the Punjab Southwest had a deficit of 40 per cent. Averaged over the plains of India, the season's rainfall was in defect by 2 per cent.

IV. During the northeast monsoon period, October to December, rainfall was somewhat below normal in the southern half of the Peninsula and in moderate to large excess in the northern half. It was in considerable excess in the United Provinces, Rajputana and the central parts of the country. In December rainfall was in large excess in northwest India, being particularly heavy in Gujarat. Averaged over the plains of India the season's rainfall was in excess by 20 per cent.

V. Taking the year as a whole the average rainfall over the country was 1 per cent above normal. An excess of 43 per cent was recorded in Sind, and defects of 24 to 43 per cent in the Punjab Southwest, the North-West Frontier Province and Baluchistan, while elsewhere the year's rainfall was within 20 per cent of the normal.

TABLE 9.—*Average over the 15 chief political divisions of the*

Division.	January.			February.			March.			April.			May.			June.		
	Actual.	Departure from normal.	Percentage departure from normal.	Actual.	Departure from normal.	Percentage departure from normal.	Actual.	Departure from normal.	Percentage departure from normal.	Actual.	Departure from normal.	Percentage departure from normal.	Actual.	Departure from normal.	Percentage departure from normal.	Actual.	Departure from normal.	Percentage departure from normal.
	"	"		"	"		"	"		"	"		"	"		"	"	
Burma	0·14	+0·03	+27	1·31	+1·10	+524	0·27	—0·20	—43	1·72	+0·41	+31	11·06	+2·40	+28	12·17	—3·99	—25
Assam	1·28	+0·62	+94	2·64	+1·11	+73	2·73	—1·26	—32	12·25	+3·26	+36	9·63	—2·43	—20	20·15	+1·96	+11
Bengal	1·03	+0·69	+202	1·30	+0·35	+37	1·12	—0·59	—35	3·55	+0·23	+7	7·33	—0·39	—5	12·68	—1·96	—13
Bihar and Orissa	0·78	+0·28	+56	1·94	+1·02	+111	1·03	+0·30	+41	0·24	—0·58	—71	1·97	—0·50	—20	4·71	—3·84	—45
United Provinces	0·13	—0·66	—84	1·05	+0·34	+48	0·69	+0·23	+50	0·14	—0·11	—44	0·96	+0·28	+41	2·91	—1·48	—34
Punjab	0·09	—0·94	—91	1·03	+0·14	+16	0·46	—0·37	—45	0·32	—0·22	—41	0·77	+0·20	+35	0·59	—1·14	—66
North-West Frontier Province.	0·52	—0·76	—59	1·06	—0·13	—11	0·87	—1·02	—54	1·06	—0·48	—31	0·53	—0·24	—31	0·24	—0·62	—72
Sind	0·05	—0·18	—78	0·48	+0·19	+66	0	—0·23	—100	0·03	—0·08	—73	0·10	—0·05	—33	0·03	—0·44	—94
Rajputana	0	—0·30	—100	0·38	+0·11	+41	0·02	—0·19	—90	0·07	—0·09	—56	0·20	—0·31	—61	0·55	—1·67	—75
Bombay	0	—0·12	—100	0·07	—0·01	—13	0·03	—0·08	—73	0·15	—0·24	—62	0·54	—0·52	—49	9·80	+1·06	+12
Central India	0·07	—0·39	—85	0·19	—0·26	—51	0·40	+0·18	+82	0·03	—0·13	—81	0·09	—0·38	—81	2·48	—2·57	—51
Central Provinces	0·10	—0·41	—80	0·95	+0·15	+19	0·92	+0·39	+74	0·08	—0·39	—83	0·16	—0·51	—76	8·24	+0·33	+4
Hyderabad	0·06	—0·11	—65	0·35	+0·10	+40	0·33	—0·06	—15	0·14	—0·51	—78	0·47	—0·40	—46	7·42	+2·47	+50
Mysore	0	—0·12	—100	0·10	—0·03	—23	0·20	—0·11	—35	0·44	—1·02	—70	3·25	—0·33	—9	3·70	—1·10	—23
Madras	0·72	—0·02	—3	0·84	+0·40	+91	0·96	+0·25	+35	1·74	—0·02	—1	3·72	+0·19	+5	8·89	+0·96	+12
Mean of India	0·30	—0·16	—35	0·95	+0·40	+73	0·62	—0·09	—13	1·21	0	0	3·23	+0·09	+3	6·93	—1·07	—13

monthly and annual rainfall, with its departure from normal in 1927.

July.			August.			September.			October.			November.			December.			Year.		
Actual.	Departure from normal.	Percentage departure from normal.	Actual.	Departure from normal.	Percentage departure from normal.	Actual.	Departure from normal.	Percentage departure from normal.	Actual.	Departure from normal.	Percentage departure from normal.	Actual.	Departure from normal.	Percentage departure from normal.	Actual.	Departure from normal.	Percentage departure from normal.	Actual.	Departure from normal.	Percentage departure from normal.
"	"		"	"		"	"		"	"		"	"		"	"		"	"	
20·44	+2·87	+16	15·48	—1·71	—10	10·40	—2·09	—17	9·34	+2·80	+43	3·39	+1·17	+53	0·02	—0·47	—96	85·74	+2·32	+3
17·80	—0·88	—5	16·14	—0·66	—4	20·37	+7·85	+63	6·93	+1·25	+22	1·32	+0·40	+43	0	—0·35	—100	111·24	+10·87	+11
12·49	—2·69	—18	9·12	—5·14	—36	12·56	+1·60	+15	3·63	—1·46	—29	0·19	—0·63	—77	0	—0·16	—100	65·00	—10·15	—14
14·21	+1·63	+13	11·14	—1·81	—14	7·34	—1·28	—15	1·76	—1·29	—42	1·04	+0·44	+73	0	—0·13	—100	46·16	—5·76	—11
10·66	—0·83	—7	13·48	+2·28	+20	4·56	—1·82	—29	3·90	+2·56	+191	2·04	+1·87	+1100	0·36	+0·07	+24	40·88	+2·73	+7
6·26	+0·93	+17	5·02	—0·43	—8	0·98	—1·82	—65	0·27	—0·04	—13	0·04	—0·08	—67	0·89	+0·51	+134	16·71	—3·26	—16
2·67	+0·09	+3	2·94	—0·22	—7	0·72	—0·46	—39	0·01	—0·32	—97	0·01	—0·27	—96	1·16	+0·62	+115	11·79	—3·81	—24
7·66	+5·17	+208	0·83	—1·08	—57	0·11	—0·51	—82	0	—0·05	—1[illegible]	0·01	—0·05	—83	0·27	+0·18	+200	9·57	+2·87	+43
8·0[illegible]	+1·54	+24	8·96	+2·28	+34	2·12	—1·14	—35	0·24	—0·19	—44	0·75	+0·62	+477	0·92	+0·75	+441	22·29	+1·41	+7
22·97	+8·08	+54	6·20	—3·37	—35	6·80	+0·26	+4	2·40	—0·18	—7	2·40	+1·65	+220	0·17	—0·01	—6	51·53	+6·52	+14
13·19	+1·79	+16	10·41	—1·50	—13	3·04	—2·68	—47	1·55	+0·54	+53	3·86	+3·43	+798	0·83	+0·62	+295	36·14	—1·29	—3
16·55	+3·34	+25	11·57	—0·76	—6	4·41	—2·77	—39	2·49	+0·54	+28	2·40	+2·00	+408	0·25	—0·07	—22	48·21	+1·84	+4
7·56	+0·39	+5	4·37	—2·42	—36	6·54	—0·95	—13	1·83	—0·81	—31	4·03	+3·12	+343	0	—0·29	—100	33·10	+0·53	+2
8·45	+1·30	+18	4·45	—0·78	—15	7·47	+2·29	+44	0·69	—4·61	—87	2·93	+0·51	+21	0	—0·45	—100	31·68	—4·45	—12
9·66	+1·36	+16	6·09	—0·58	—9	7·21	+1·19	+20	3·69	—4·04	—52	6·49	+0·51	+9	0·70	—1·39	—6	50·71	—1·19	—2
13·31	+1·98	+17	9·37	—1·06	—10	6·45	—0·65	—9	3·27	—0·01	0	2·38	+1·07	+83	0·36	—0·11	—23	48·36	+0·39	+1

TABLE 10.—*Average over the 33 sub-divisions of the monthly and annual*

Sub-Division.	JANUARY.					FEBRUARY.					MARCH.				
	Rainy days.		Rainfall.			Rainy days.		Rainfall.			Rainy days.		Rainfall.		
	Actual.	Departure from normal.	Actual.	Departure from normal.	Percentage departure from normal.	Actual.	Departure from normal.	Actual.	Departure from normal.	Percentage departure from normal.	Actual.	Departure from normal.	Actual.	Departure from normal.	Percentage departure from normal.
			"	"				"	"				"	"	
1. Bay Islands	0·3	—0·8	0·08	—0·79	—91	0·7	—0·2	0·23	—0·32	—58	0·7	—0·1	0·23	—0·33	—59
2. Lower Burma	0	—0·3	0·01	—0·11	—92	0·8	+0·5	0·81	+0·59	+268	0·6	—0·1	0·34	—0·20	—37
3. Upper Burma	0·6	+0·3	0·23	+0·13	+130	3·3	+2·8	1·70	+1·50	+750	0·5	—0·5	0·21	—0·20	—49
4. Assam	3·1	+1·5	1·28	+0·62	+94	5·6	+2·2	2·64	+1·11	+73	5·6	—0·8	2·73	—1·26	—32
5. Bengal	2·1	+1·3	1·03	+0·69	+203	2·3	+0·7	1·30	+0·35	+37	1·6	—0·9	1·12	—0·59	—35
6. Orissa	0·4	—0·4	0·17	—0·28	—62	1·8	0	0·76	—0·41	—35	0·9	—1·0	0·32	—0·75	—70
7. Chota Nagpur	2·4	+1·0	1·24	+0·50	+68	4·4	+2·3	3·91	+2·76	+240	2·1	+0·2	1·44	+0·51	+55
8. Bihar	1·7	+0·8	0·86	+0·44	+105	3·1	+1·6	1·57	+0·88	+128	2·0	+0·9	1·19	+0·71	+148
9. United Provinces, East	0·5	—0·9	0·25	—0·38	—60	1·9	+0·6	0·70	+0·15	+27	1·3	+0·5	0·57	+0·25	+78
10. Do. do., West	0·1	—1·8	0·02	—0·91	—98	3·4	+1·8	1·35	+0·49	+57	1·2	—0·1	0·79	+0·20	+34
11. Punjab, East and North	0·3	—1·9	0·12	—1·08	—90	3·6	+1·6	1·31	+0·30	+30	1·2	—0·7	0·57	—0·38	—37
12. Do., South and West	0·1	—1·1	0·02	—0·48	—96	0·6	—0·7	0·21	—0·32	—60	0·4	—1·2	0·13	—0·51	—80
13. Kashmir	3·9	—1·2	2·30	—1·41	—38	6·7	+1·7	3·43	—0·11	—3	4·0	—2·4	2·72	—1·88	—41
14. North-West Frontier Province	1·1	—1·3	0·52	—0·76	—59	2·9	+0·3	1·06	—0·13	—11	2·0	—1·7	0·87	—1·02	—54
15. Baluchistan	1·4	—1·2	0·45	—0·75	—63	3·3	+0·8	1·33	+0·12	+10	1·0	—1·9	0·33	—0·92	—74
16. Sind	0·1	—0·5	0·05	—0·18	—78	1·6	+0·9	0·48	+0·19	+66	0	—0·5	0	—0·23	—100
17. Rajputana, West	0	—0·5	0	—0·19	—100	0·9	+0·4	0·35	+0·12	+52	0	—0·5	0	—0·18	—100
18. Do., East	0	—0·9	0	—0·37	—100	1·2	+0·5	0·40	+0·11	+38	0·1	—0·5	0·03	—0·19	—86
19. Gujarat	0	—0·2	0	—0·09	—100	0·6	+0·4	0·16	+0·06	+60	0	—0·2	0	—0·07	—100
20. Central India, West	0	—0·8	0	—0·39	—100	0·3	—0·4	0·10	—0·19	—66	0·5	+0·1	0·19	+0·03	+19
21. Do. do., East	0·7	—0·7	0·29	—0·38	—57	1·7	+0·2	0·44	—0·23	—34	1·6	+0·7	1·02	+0·63	+162
22. Berar	0	—0·7	0	—0·39	—100	0·6	—0·1	0·17	—0·19	—53	1·5	+0·8	0·51	+0·18	+55
23. Central Provinces, West	0·3	—0·8	0·11	—0·54	—83	1·3	0	0·72	+0·03	+4	2·1	+0·9	1·39	+0·81	+140
24. Do. do., East	0·4	—0·5	0·14	—0·32	—70	3·4	+1·6	1·53	+0·42	+38	1·6	+0·3	0·80	+0·20	+33
25. Konkan	0	—0·2	0	—0·10	—100	0·1	0	0·01	—0·04	—80	0	—0·1	0·01	—0·05	—83
26. Bombay Deccan	0	—0·3	0	—0·15	—100	0·1	—0·1	0·03	—0·05	—63	0·2	—0·1	0·05	—0·10	—67
27. Hyderabad, North	0	—0·3	0·01	—0·15	—94	1·0	+0·5	0·46	+0·21	+84	0·8	+0·1	0·53	+0·16	+43
28. Do., South	0·2	—0·1	0·12	—0·06	—33	0·9	+0·4	0·23	—0·01	—4	0·3	—0·4	0·11	—0·31	—74
29. Mysore	0	—0·2	0	—0·12	—100	0·2	0	0·10	—0·03	—23	0·6	0	0·20	—0·11	—35
30. Malabar	1·9	+0·7	1·09	+0·21	+24	2·0	+1·1	1·50	+0·95	+173	4·0	+1·6	2·25	+0·81	+56
31. Madras, South-east	1·7	+0·4	0·86	—0·12	—12	1·6	+0·9	0·93	+0·46	+98	1·2	+0·4	0·69	+0·18	+35
32. Do., Deccan	0	—0·3	0·01	—0·19	—95	0·1	—0·1	0·05	—0·09	—64	0	—0·3	0·01	—0·20	—95
33. Do. Coast, North	0·7	+0·2	0·39	+0·01	+3	0·5	—0·1	0·29	—0·10	—26	0·5	—0·3	0·47	—0·03	—6

rainfall and number of rainy days with their departures from normal in 1927.

APRIL.					MAY.					JUNE.					JULY.				
RAINY DAYS.		RAINFALL.			RAINY DAYS.		RAINFALL.			RAINY DAYS.		RAINFALL.			RAINY DAYS.		RAINFALL.		
Actual.	Departure from normal.	Actual.	Departure from normal.	Percentage departure from normal.	Actual.	Departure from normal.	Actual.	Departure from normal.	Percentage departure from normal.	Actual.	Departure from normal.	Actual.	Departure from normal.	Percentage departure from normal.	Actual.	Departure from normal.	Actual.	Departure from normal.	Percentage departure from normal.
		"	"				"	"				"	"				"	"	
3·0	+0·9	2·11	+0·81	+62	12·7	+2·5	12·94	+4·00	+45	14·3	−1·6	11·18	−2·94	−21	17·7	+1·9	14·07	+1·89	+16
2·6	+0·7	1·96	+0·58	+42	15·6	+2·9	15·48	+3·24	+26	22·1	−0·3	19·85	−6·04	−23	25·8	+1·4	34·06	+4·18	+14
3·3	+0·8	1·54	+0·29	+23	9·7	+1·8	7·61	+1·74	+30	8·8	−2·1	5·65	−2·23	−28	13·1	+2·8	8·87	+1·77	+25
12·2	+0.3	12·25	+3·26	+36	12·6	−1·4	9·63	−2·43	−20	18·7	+1·0	20·15	+1·96	+11	17·3	−1·7	17·80	−0·88	−5
3·5	−1·0	3·55	+0·23	+7	7·8	−1·0	7·33	−0·39	−5	11·8	−2·6	12·68	−1·96	−13	15·2	−1·4	12·49	−2·69	−18
1·4	−1·0	0·67	−0·70	−51	4·3	−0·4	2·35	−0·85	−27	8·0	−3·5	6·60	−3·21	−33	16·4	+1·2	17·01	+3·98	+31
0·1	−1·4	0·05	−0·62	−93	3·0	−0·7	1·46	−0·60	−29	5·3	−5·3	3·30	−5·52	−63	18·3	+3·1	17·40	+4·52	+36
0·3	−0·9	0·12	−0·50	−81	3·5	+0·2	2·02	−0·30	−13	5·4	−3·2	4·43	−3·88	−43	12·3	−1·1	11·56	−0·71	−6
0·2	−0·3	0·07	−0·12	−63	2·0	+0·7	1·00	+0·32	+47	3·2	−2·3	2·34	−2·46	−51	13·3	+0·7	11·02	−0·56	−5
0·6	−0·1	0·19	−0·11	−37	2·2	+0·7	0·93	+0·26	+39	2·9	−1·9	3·40	−0·63	−16	11·5	+0·1	10·34	−1·08	−9
1·0	−0·2	0·30	−0·25	−45	2·0	+0·6	0·97	+0·35	+56	1·8	−1·1	0·63	−1·40	−69	8·6	+1·8	7·70	+1·41	+22
1·3	0	0·38	−0·14	−27	0·5	−0·5	0·16	−0·26	−62	1·2	−0·2	0·47	−0·34	−42	3·6	+0·5	1·96	−0·53	−21
3·4	−2·2	1·39	−2·06	−60	4·6	+0·8	2·54	+0·61	+32	2·6	−1·7	0·96	−1·57	−62	9·0	+1·2	8·73	+1·47	+20
2·6	−0·6	1·06	−0·48	−31	1·5	−0·2	0·53	−0·24	−31	0·7	−0·9	0·24	−0·62	−72	3·8	+0·2	2·67	+0·09	+3
0·6	−1·1	0·18	−0·52	−74	0·2	−0·4	0·07	−0·21	−75	0·3	−0·3	0·12	−0·18	−60	3·0	+1·4	1·50	+0·55	+58
0·1	−0·2	0·03	−0·08	−73	0·3	0	0·10	−0·05	−33	0·1	−0·6	0·03	−0·44	−94	5·2	+2·7	7·66	+5·17	+208
0	−0·4	0·01	−0·15	−94	0·6	−0·3	0·18	−0·25	−58	0·9	−1·1	0·47	−0·83	−63	7·3	+2·8	5·95	+2·52	+73
0·3	−0·1	0·10	−0·06	−37	0·6	−0·7	0·21	−0·34	−62	1·3	−2.6	0·59	−2·16	−79	11·2	+1·6	9·30	+0·98	+12
0	−0·1	0·01	−0·02	−67	0·3	−0·3	0·14	−0·19	−58	5·8	+0·3	5·08	−0·07	−1	18·9	+6·4	32·23	+19·59	+155
0·1	−0·2	0·03	−0·10	−77	0·3	−0·9	0·07	−0·41	−85	4·3	−1·9	2·70	−2·37	−47	15·9	+3·9	13·28	+2·41	+22
0·1	−0·4	0·02	−0·22	−92	0·4	−0·7	0·14	−0·29	−67	2·9	−2·8	1·86	−3·11	−63	15·6	+1·7	12·90	−0·07	−1
0·2	−0·5	0·06	−0·18	−75	0	−1·1	0·02	−0·52	−96	8·7	+0·7	8·88	+2·82	+47	14·7	+2·5	10·54	+1·37	+15
0·3	−0·4	0·07	−0·23	−77	0·2	−1·2	0·06	−0.52	−90	7·3	−1·3	6·03	−1·32	−18	18·6	+3·8	18·07	+4·73	+35
0·4	−1·2	0·10	−0·63	−86	1·0	−0·7	0·31	−0·48	−61	8·8	−1·1	9·53	+0·21	+2	17·8	+1·7	18·63	+3·36	+22
0·3	−0·3	0·12	−0·25	−68	1·4	−0·5	0·62	−0·95	−61	19·3	+1·0	28·44	+3·14	+12	29·1	+3·1	41·88	+2·80	+7
0·7	−0·6	0·26	−0·37	−59	1·3	−1·1	0·78	−0·57	−42	8·4	+0·5	6·27	+1·05	+20	13·7	+2·4	10·45	+2·60	+33
0·5	−0·7	0·22	−0·29	−57	0·3	−1·3	0·24	−0·49	−67	10·8	+2·9	8·00	+2·49	+45	11·7	−0·1	7·00	−1·00	−13
0·3	−1·4	0·06	−0·75	−93	1·4	−0·8	0·73	−0·29	−28	8·3	+1·4	6·78	+2·45	+57	13·4	+2·7	8·19	+1·95	+31
1·2	−1·5	0·44	−1·02	−70	5·1	−0·5	3·25	−0·33	−9	6·6	−0·6	3·70	−1·10	−23	11·9	+2·2	8·45	+1·30	+18
5·2	−0·4	3·55	−0·22	−6	11·0	+2·1	9·14	+1·86	+26	21·1	+0·8	23·37	−0·33	−1	23·6	+3·7	27·55	+5·36	+24
2·8	+0·8	1·89	+0·60	+47	4·3	+0·6	2·49	−0·04	−2	4·0	+1·1	2·39	+0·83	+53	3·6	−0·2	1·62	−0·57	−26
0·1	−1·1	0·04	−0·58	−94	1·8	−1·2	0·95	−0·72	−43	5·2	+0·8	2·76	+0·40	+17	8·5	+2·2	4·56	+1·35	+42
0·6	−1·0	0·26	−0·68	−72	2·7	−0·5	1·35	−0·76	−36	8·4	+1·6	7·66	+2·73	+55	11·8	+1·8	7·21	+0·58	+9

TABLE 10.—*Average over the 33 sub-divisions of the monthly and annual*

Sub-Division.	August.					September.					October.				
	Rainy days.		Rainfall.			Rainy days.		Rainfall.			Rainy days.		Rainfall.		
	Actual.	Departure from normal.	Actual.	Departure from normal.	Percentage departure from normal.	Actual.	Departure from normal.	Actual.	Departure from normal.	Percentage departure from normal.	Actual.	Departure from normal.	Actual.	Departure from normal.	Percentage departure from normal.
			"	"				"	"				"	"	
1. Bay Islands	17·3	+1·8	9·16	—2·16	—19	9·7	—4·9	6·45	—4·96	—43	11·3	+1·1	7·78	+0·76	+11
2. Lower Burma	23·7	—0·3	26·17	—1·50	—5	16·1	—2·6	13·03	—4·55	—26	11·1	+0·7	10·79	+3·00	+39
3. Upper Burma	9·7	—2·0	6·39	—1·89	—23	10·3	0	7·92	+0·23	+3	8·3	+0·9	8·11	+2·63	+48
4. Assam	17·9	+0·1	16·14	—0·66	—4	18·6	+4·8	20·37	+7·85	+63	7·2	+0·5	6·93	+1·25	+22
5. Bengal	13·8	—2·8	9·12	—5·14	—36	13·4	+1·2	12·56	+1·60	+15	4·7	—0·7	3·63	—1·46	—29
6. Orissa	19·0	+3·4	15·09	+2·11	+16	10·3	—1·5	7·59	—1·35	—15	3·4	—2·1	3·58	—1·21	—25
7. Chota Nagpur	15·3	—1·2	12·38	—1·51	—11	8·0	—2·2	6·31	—1·74	—22	3·0	—0·9	2·00	—0·90	—31
8. Bihar	11·6	—1·8	8·72	—3·79	—30	7·8	—1·1	7·71	—1·03	—12	1·5	—1·2	0·84	—1·50	—64
9. United Provinces, East	14·4	+1·6	11·45	+0·10	+1	6·1	—1·3	5·74	—1·15	—17	2·4	—0·7	2·75	+0·87	+46
10. Do. do., West	14·3	+2·9	15·23	+4·17	+38	3·8	—2·2	3·53	—2·40	—40	2·7	+1·8	4·91	+4·03	+458
11. Punjab, East and North	6·7	—0·1	6·32	—0·10	—2	1·5	—1·9	1·09	—2·28	—68	0·6	0	0·36	—0·02	—5
12. Do., South-west	1·7	—1·4	1·17	—1·39	—54	1·2	—0·2	0·63	—0·49	—44	0	—0·2	0·02	—0·08	—80
13 Kashmir	8·5	—0·1	8·85	+0.99	+13	2·7	—1·3	1·16	—2·44	—68	0·6	—1·1	0·16	—0·89	—85
14 North-West Frontier Province	3·7	—0·3	2·94	—0·22	—7	1·7	—0·2	0·72	—0·46	—39	0	—0·7	0·01	—0·32	—97
15. Baluchistan	0·9	—0·7	0·43	—0·52	—55	0·1	—0·3	0·02	—0·22	—92	0	—0·3	0	—0·15	—100
16. Sind	1·6	—0·7	0·83	—1·08	—57	0·1	—0·7	0·11	—0·51	—82	0	0	0	—0·05	—100
17. Rajputana, West	6·1	+1·1	5·69	+1·65	+41	1·8	—0·6	1·07	—0·95	—47	0·4	0	0·17	—0·14	—45
18. Do., East	11·2	+1·6	10·83	+2·64	+32	3·9	—0·9	2·73	—1·24	—31	0·8	+0·1	0·28	—0·22	—44
19 Gujarat	11·1	+0·3	5·74	—2·40	—29	6·5	+0·8	4·13	—0·55	—12	1·8	+0·6	1·04	+0·13	+14
20. Central India, West	12·0	—0·1	9·04	—2·41	—21	4·4	—2·1	2·85	—2·55	—47	2·1	+0·9	1·33	+0·47	+55
21. Do. do., East	14·3	+0·1	14·46	+1·19	+9	4·4	—3·3	3·62	—3·03	—46	2·7	+1·0	2·20	+0·77	+54
22. Berar	7·3	—3·0	2·77	—4·18	—60	7·4	—0·4	4·78	—1·06	—18	2·1	—0·2	1·53	—0·05	—3
23. Central Provinces, West	13·6	—0·9	10·45	—2·36	—18	5·5	—3·8	2·87	—4·76	—62	3·4	+1·0	2·55	+0·74	+41
24. Do. do., East	18.0	+2·2	17·16	+2·28	+15	7·5	—2·3	5·33	—2·24	—30	3·6	+0·7	2·96	+0·71	+32
25. Konkan	26·7	+2·4	16·68	—7·30	—30	14·7	—0·5	9·97	—2·55	—20	6·9	+1·3	6·67	+2·36	+55
26. Bombay Deccan	6·7	—2.7	2·82	—2·62	—48	10·7	+2·5	7·36	+1·75	+31	3·0	—1·6	1·76	—1·26	—42
27. Hyderabad, North	8·1	—2·7	4·13	—3·10	—43	10·3	+0·4	5·64	—2·46	—30	3·3	0	1·57	—0·73	—32
28. Do., South	7·9	—2·3	4·63	—1·68	—27	9·3	—0·3	7·53	+0·71	+10	4·8	+0·5	2·12	—0.90	—30
29. Mysore	7·6	—1·1	4·45	—0·78	—15	9·5	+1·4	7·47	+2·29	+44	1·5	—6·3	0·69	—4·61	—87
30. Malabar	14·3	—1·7	10·39	—2·17	—17	13·9	+2·5	12·30	+4·47	+57	8·7	—4·7	5·60	—5·64	—50
31. Madras, South-east	4·2	—1·2	2·68	—0·93	—26	6·6	+0·5	4·80	+0·32	+7	4·8	—4·0	3·30	—3·80	—54
32. Do. Deccan	5·2	—1·4	2·56	—1·35	—35	8·8	+0·9	7·09	+1·34	+23	3·4	—2·3	2·00	—2·17	—52
33. Do. Coast, North	12·4	+2·2	9·09	+2·00	+28	9·4	0	6·19	—0·78	—11	4·3	—2·8	3·10	—3·64	—54

rainfall and number of rainy days with their departures from normal in 1927—concld.

NOVEMBER.					DECEMBER.					YEAR.				
RAINY DAYS.		RAINFALL.			RAINY DAYS.		RAINFALL.			RAINY DAYS.		RAINFALL.		
Actual.	Departure from normal.	Actual.	Departure from normal.	Percentage departure from normal.	Actual.	Departure from normal.	Actual.	Departure from normal.	Percentage departure from normal.	Actual.	Departure from normal.	Actual.	Departure from normal.	Percentage departure from normal.
		"	"				"	"				"	"	
8·0	+0·9	6·12	+0·32	+6	2·3	—1·1	1·50	—1·87	—55	98·0	+0·4	71·85	—5·59	—7
3·4	—0·1	2·70	+0·02	+1	0·1	—0·7	0·05	—0·48	—91	121·9	+1·8	125.25	—1·27	—1
4·0	+1·1	3·97	+2·13	+116	0	—0·8	0	—0·46	—100	71·6	+5·1	52·20	+5·64	+12
1·9	+0·4	1·32	+0·40	+43	0	—0·8	0	—0·35	—100	120·7	+6·1	111·24	+10·87	+11
0·5	—0·5	0·19	—0·63	—77	0	—0·3	0	—0·16	—100	76·7	—8·0	65·00	—10·15	—14
0·8	—0·6	0·37	—1·12	—75	0	—0·4	0	—0·22	—100	66·7	—6·3	54·51	—4·01	—7
1·4	+0·7	0·97	+0·57	+143	0	—0·3	0	—0·14	—100	63·3	—4·7	50·46	—2·11	—4
2·2	+1·8	1·38	+1·09	+376	0	—0·2	0	—0·09	—100	51·4	—4·2	40·40	—8·18	—17
4·0	+3·7	2·98	+2·79	+1,468	0·6	+0·2	0·21	—0·01	—5	49·9	+3·9	39·08	—0·20	—1
2·0	+1·7	1·22	+1·07	+713	1·1	+0·4	0·49	+0·14	+40	45·8	+3·3	42·40	+5·23	+14
0·3	0	0·05	—0·08	—62	2·0	+1·1	1·01	+0·57	+130	29·6	—0·8	20·43	—2·91	—12
0	—0·2	0·01	—0·07	—87	1·6	+1·1	0·54	+0·33	+157	12·2	—4·1	5·70	—4·28	—43
0·6	—0·4	0·20	—0·28	—58	2·8	—0·3	1·52	—0·45	—23	49·4	—7·0	33·96	—8·02	—19
0	—0·5	0·01	—0·27	—96	3·0	+1·9	1·16	+0·62	+115	23·0	—4·0	11·79	—3·81	—24
0	—0·7	0·01	—0·26	—96	2·6	+1·1	0·95	+0·32	+51	13·4	—3·6	5·39	—2·74	—34
0·1	0	0·01	—0·05	—83	0·6	+0·3	0·27	+0·18	+200	9·8	+0·7	9·57	+2·87	+43
0·1	0	0·02	—0·06	—75	1·3	+1·1	0·74	+0·63	+573	19·4	+2·0	14·65	+2·17	+17
1·5	+1·2	1·18	+1·02	+637	1·7	+1·2	1·03	+0·82	+390	33·8	+0·5	26·68	+0·99	+4
1·1	+0·8	0·68	+0·48	+240	0·9	+0·8	0·40	+0·36	+900	47·0	+9·6	49·61	+17·23	+53
3·9	+3·2	3·97	+3·51	+763	2·6	+2·2	0·88	+0·70	+389	46·4	+3·9	34·44	—1·30	—4
4·2	+3·6	3·52	+3·19	+967	1·0	+0·4	0·69	+0·42	+156	49·6	—0·2	41·16	—1·13	—3
4·7	+3·7	4·27	+3·70	+649	0·8	+0·1	0·38	—0·01	—3	48·0	+1·8	33·91	+1·49	+5
3·4	+2·8	3·00	+2·44	+436	1·5	+0·9	0·47	+0·15	+47	57·5	+1·0	45·79	—0·83	—2
1·9	+1·2	1·18	+0·78	+195	0·1	—0·5	0·02	—0·27	—93	64·5	+1·4	57·69	+4·02	+7
4·0	+2·5	3·39	+2·38	+236	0·3	0	0·07	—0·07	—50	102.8	+8·7	107·86	—0·63	—1
3·7	+2·1	3·14	+2·13	+211	0·2	—0·3	0·06	—0·22	—79	48·7	+0·7	32·98	+2·19	+7
4·6	+3·3	3·97	+3·20	+416	0	—0·6	0·01	—0·35	—97	51·4	+1·5	31·78	—2·51	—7
4·4	+2·5	4·09	+3·03	+286	0	—0·4	0	—0·22	—100	51·2	+1·8	34·59	+3·92	+13
4·8	+1·0	2·93	+0·51	+21	0	—0·8	0	—0·45	—100	49·0	—6·4	31·68	—4·45	—12
6·9	—2·3	5·27	—1·87	—26	0·9	—1·7	0·41	—1·37	—77	113·5	+1·7	102·42	+2·16	+2
8·6	+0·2	6·94	—0·53	—7	2·7	—1·5	1·41	—1·97	—58	46·1	—2·0	30·00	+1·43	+5
5·5	+2·2	4·71	+2·55	+118	0	—0·7	0	—0·41	—100	38·6	—1·3	24·74	—0·07	0
5·8	+2·1	7·68	+3·99	+108	0	—0·9	0·01	—0·84	—99	57·1	+2·3	43·70	+2·48	+6

TABLE 11.—*Average over the 15 Chief Political Divisions of the actual rainfall with its departure from normal for the four seasons of the year, and for the whole year, 1927.*

Division.	January and February.			March to May.			June to September.			October to December.			Whole year.		
	Actual.	Departure from normal.	Percentage departure from normal.	Actual.	Departure from normal.	Percentage departure from normal.	Actual.	Departure from normal.	Percentage departure from normal.	Actual.	Departure from normal.	Percentage departure from normal.	Actual.	Departure from normal.	Percentage departure from normal.
	"	"		"	"		"	"		"	"		"	"	
Burma	1·45	+1·13	+353	13·05	+2·61	+25	58·49	—4·92	—8	12·75	+3·50	+38	85·74	+2·32	+3
Assam	3·92	+1·73	+79	24·61	—0·43	—2	74.46	+8·27	+12	8·25	+1·30	+19	111·24	+10·87	+11
Bengal	2·33	+1·04	+81	12·00	—0·75	—6	46·85	—8·19	—15	3·82	—2·25	—37	65·00	—10·15	—14
Bihar and Orissa	2·72	+1·30	+92	3·24	—0·78	—19	37·40	—5·30	—12	2·80	—0·98	—26	46·16	—5·76	—11
United Provinces	1·18	—0·32	—21	1·79	+0·40	+29	31·61	—1·85	—6	6·30	+4·50	+250	40·88	+2·73	+7
Punjab	1·12	—0·80	—42	1·55	—0·39	—20	12·84	—2·46	—16	1·20	+0·39	+48	16·71	—3·26	—16
North-West Frontier Province	1·58	—0·89	—36	2·46	—1·74	—41	6·57	—1·21	—16	1·18	+0·03	+3	11·79	—3·81	—24
Sind	0·53	+0·01	+2	0·13	—0·36	—73	8·63	+3·14	+57	0·28	+0·08	+40	9·57	+2·87	+43
Rajputana	0·38	—0·19	—33	0·29	—0·59	—67	19·71	+1·01	+5	1·91	+1·18	+162	22·29	+1·41	+7
Bombay	0·07	—0·13	—65	0·72	—0·84	—54	45·77	+6·03	+15	4·97	+1·46	+42	51·53	+6·52	+14
Central India	0·26	—0·59	—69	0·52	—0·33	—39	29·12	—4·96	—15	6·24	+4·59	+278	36·14	—1·29	—3
Central Provinces	1·05	—0·26	—20	1·16	—0·51	—31	40·77	+0·14	0	5·23	+2·47	+89	48·21	+1·84	+4
Hyderabad	0·41	—0·01	—2	0·94	—0·97	—51	25·89	—0·51	—2	5·86	+2·02	+53	33·10	+0·53	+2
Mysore	0·10	—0·15	—60	3·89	—1·46	—27	24·07	+1·71	+8	3·62	—4·55	—56	31·68	—4·45	—12
Madras	1·56	+0·38	+32	6·42	+0·42	+7	31·85	+2·93	+10	10·88	—4·92	—31	50·71	—1·19	—2
Mean of India	1·25	+0·24	+24	5·06	0	0	36·06	—0·80	—2	5·99	+0·95	+19	48·36	+0·39	+1

TABLE 12.—*Average over the 33 Sub-divisions of the actual rainfall with its departure from normal for the four seasons of the year, and for the whole year, 1927.*

Sub-division.	January and February			March to May.			June to September.			October to December.			Whole year.		
	Actual.	Departure from normal.	Percentage departure from normal.	Actual.	Departure from normal.	Percentage departure from normal.	Actual.	Departure from normal.	Percentage departure from normal.	Actual.	Departure from normal.	Percentage departure from normal.	Actual.	Departure from normal.	Percentage departure from normal.
	"	"		"	"		"	"		"	"		"	"	
1. Bay Islands	0·31	—1·11	—78	15·28	+4·48	+41	40·86	—8·17	—17	15·40	—0·79	—5	71·85	—5·59	—7
2. Lower Burma	0·82	+0·48	+141	17·78	+3·62	+26	93·11	—7·91	—8	13·54	+2·54	+23	125·25	—1·27	—1
3. Upper Burma	1·93	+1·63	+543	9·36	+1·83	+24	28·83	—2·12	—7	12·08	+4·30	+55	52·20	+5·64	+12
4. Assam	3·92	+1·73	+79	24·61	—0·43	—2	74·46	+8·27	+12	8·25	+1·30	+19	111·24	+10·87	+11
5. Bengal	2·33	+1·04	+80	12·00	—0·75	—6	46·85	—8·19	—15	3·82	—2·25	—37	65·00	—10·15	—14
6. Orissa	0·93	—0·69	—43	3·34	—2·30	—41	46·29	+1·53	+3	3·95	—2·55	—39	54·51	—4·01	—7
7. Chota Nagpur	5·15	+3·26	+172	2·95	—0·71	—19	39·39	—4·19	—10	2·97	—0·47	—14	50·46	—2·11	—4
8. Bihar	2·43	+1·32	+119	3·33	—0·09	—3	32·42	—8·91	—22	2·22	—0·50	—18	40·40	—8·18	—17
9. United Provinces, East	0·95	—0·23	—19	1·64	+0·45	+38	30·55	—4·07	—12	5·94	+3·65	+159	39·08	—0·20	—1
10. Do. do., West	1·37	—0·42	—23	1·91	+0·35	+22	32·50	+0·06	0	6·62	+5·24	+380	42·40	+5·23	+14
11. Punjab, East and North	1·43	—0·78	—35	1·84	—0·23	—11	15·74	—2·37	—13	1·42	+0·47	+49	20·43	—2·91	—12
12. Do., South-west	0·23	—0·80	—78	0·67	—0·91	—58	4·23	—2·75	—39	0·57	+0·18	+46	5·70	—4·28	—43
13. Kashmir	5·73	—1·52	—21	6·65	—3·33	—33	19·70	—1·55	—7	1·88	—1·62	—46	33·96	—8·02	—19
14. North-West Frontier Province	1·58	—0·89	—36	2·46	—1·74	—41	6·57	—1·21	—16	1·18	+0·03	+3	11·79	—3·81	—24
15. Baluchistan	1·78	—0·63	—26	0·58	—1·65	—74	2·07	—0·37	—15	0·96	—0·09	—9	5·39	—2·74	—34
16. Sind	0·53	+0·01	+2	0·13	—0·36	—73	8·63	+3·14	+57	0·28	+0·08	+40	9·57	+2·87	+43
17. Rajputana, West	0·35	—0·07	—17	0·19	—0·58	—75	13·18	+2·39	+22	0·93	+0·43	+86	14·65	+2·17	+17
18. Do., East	0·40	—0·26	—39	0·34	—0·59	—63	23·45	+0·22	+1	2·49	+1·62	+186	26·68	+0·99	+4
19. Gujarat	0·16	—0·03	—16	0·15	—0·28	—65	47·18	+16·57	+54	2·12	+1·97	+84	49·61	+17·23	+53
20. Central India, West	0·10	—0·58	—85	0·29	—0·48	—62	27·87	—4·92	—15	6·18	+4·68	+312	34·44	—1·30	—4
21. Do. do., East	0·73	—0·61	—46	1·18	+0·12	+11	32·84	—5·02	—13	6·41	+4·38	+216	41·16	—1·13	—3
22. Berar	0·17	—0·58	—77	0·59	—0·52	—47	26·97	—1·05	—4	6·18	+3·64	+143	33·91	+1·49	+5
23. Central Provinces, West.	0·83	—0·51	—38	1·52	+0·06	+4	37·42	—3·71	—9	6·02	+3·33	+124	45·79	—0·83	—2
24. Do. do., East	1·67	+0·10	+6	1·21	—0·91	—43	50·65	+3·61	+8	4·16	+1·22	+41	57·69	+4·02	+7
25. Konkan	0·01	—0·14	—93	0·75	—1·25	—63	96·97	—3·91	—4	10·13	+4·67	+86	107·86	—0·63	—1
26. Bombay Deccan	0·03	—0·20	—87	1·09	—1·04	—49	26·90	+2·78	+12	4·96	+0·65	+15	32·98	+2·19	+7
27. Hyderabad, North	0·47	+0·06	+15	0·99	—0·62	—39	24·77	—4·07	—14	5·55	+2·12	+62	31·78	—2·51	—7
28. Do., South	0·35	—0·07	—17	0·90	—1·35	—60	27·13	+3·43	+14	6·21	+1·91	+44	34·59	+3·92	+13
29. Mysore	0·10	—0·15	—60	3·89	—1·46	—27	24·07	+1·71	+8	3·62	—4·55	—56	31·68	—4·45	—12
30. Malabar	2·59	+1·16	+81	14·94	+2·45	+20	73·61	+7·33	+11	11·28	—8·78	—44	102·42	+2·16	+2
31. Madras, South-east	1·79	+0·34	+23	5·07	+0·74	+17	11·49	—0·35	—3	11·65	+0·70	+6	30·00	+1·43	+5
32. Do., Deccan	0·06	—0·28	—82	1·00	—1·50	—60	16·97	+1·74	+11	6·71	—0·03	0	24·74	—0·07	0
33. Do. Coast, North	0·68	—0·09	—12	2·08	—1·47	—41	30·15	+4·53	+18	10·79	—0·49	—4	43·70	+2·48	+6

TABLE 13.—*Average over the 33 Sub-divisions of the actual number of rainy days with their departures from normal for the four seasons of the year, and for the whole year, 1927.*

SUB-DIVISION.	JANUARY AND FEBRUARY.		MARCH TO MAY.		JUNE TO SEPTEMBER.		OCTOBER TO DECEMBER.		WHOLE YEAR.	
	Actual.	Departure from normal.	Actual.	Departure from normal.	Actual.	Departure from normal.	Actual.	Departure from normal.	Actual.	Departure from normal.
1. Bay Islands	1·0	—1·0	16·4	+3·3	59·0	—2·8	21·6	+0·9	98·0	+0·4
2. Lower Burma	0·8	+0·2	18·8	+3·5	87·7	—1·8	14·6	—0·1	121·9	+1·8
3. Upper Burma	3·9	+3·1	13·5	+2·1	41·9	—1·3	12·3	+1·2	71·6	+5·1
4. Assam	8·7	+3·7	30·4	—1·9	72·5	+4·2	9·1	+0·1	120·7	+6·1
5. Bengal	4·4	+2·0	12·9	—2·9	54·2	—5·6	5·2	—1·5	76·7	—8·0
6. Orissa	2·2	—0·4	6·6	—2·4	53·7	—0·4	4·2	—3·1	66·7	—6·3
7. Chota Nagpur	6·8	+3·3	5·2	—1·9	46·9	—5·6	4·4	—0·5	63·3	—4·7
8. Bihar	4·8	+2·4	5·8	+0·2	37·1	—7·2	3·7	+0·4	51·4	—4·2
9. United Provinces, East	2·4	—0·3	3·5	+0·9	37·0	—1·3	7·0	+4·6	49·9	+3·9
10. Do. do., West	3·5	0	4·0	+0·5	32·5	—1·1	5·8	+3·9	45·8	+3·3
11. Punjab, East and North	3·9	—0·3	4·2	—0·3	18·6	—1·3	2·9	+1·1	29·6	—0·8
12. Do., Southwest	0·7	—1·8	2·2	—1·7	7·7	—1·3	1·6	+0·7	12·2	—4·1
13. Kashmir	10·6	+0·5	12·0	—3·8	22·8	—1·9	4·0	—1·8	49·4	—7·0
14. North-West Frontier Province	4·0	—1·0	6·1	—2·5	9·9	—1·2	3·0	+0·7	23·0	—4·0
15. Baluchistan	4·7	—0·4	1·8	—3·4	4·3	+0·1	2·6	+0·1	13·4	—3·6
16. Sind	1·7	+0·4	0·4	—0·7	7·0	+0·7	0·7	+0·3	9·8	+0·7
17. Rajputana, West	0·9	—0·1	0·6	—1·2	16·1	+2·2	1·8	+1·1	19·4	+2·0
18. Do., East	1·2	—0·4	1·0	—1·3	27·6	—0·3	4·0	+2·5	33·8	+0·5
19. Gujarat	0·6	+0·2	0·3	—0·6	42·3	+7·8	3·8	+2·2	47·0	+9·6
20. Central India, West	0·3	—1·2	0·9	—1·0	36·6	—0·2	8·6	+6·3	46·4	+3·9
21. Do. do., East	2·4	—0·5	2·1	—0·4	37·2	—4·3	7·9	+5·0	49·6	—0·2
22. Berar	0·6	—0·8	1·7	—0·8	38·1	—0·2	7·6	+3·6	48·0	+1·8
23. Central Provinces, West	1·6	—0·8	2·6	—0·7	45·0	—2·2	8·3	+4·7	57·5	+1·0
24. Do. do., East	3·8	+1·1	3·0	—1·6	52·1	+0·5	5·6	+1·4	64·5	+1·4
25. Konkan	0·1	—0·2	1·7	—0·9	89·8	+6·0	11·2	+3·8	102·8	+8·7
26. Bombay Deccan	0·1	—0·4	2·2	—1·8	39·5	+2·7	6·9	+0·2	48·7	+0·7
27. Hyderabad, North	1·0	+0·2	1·6	—1·9	40·9	+0·5	7·9	+2·7	51·4	+1·5
28. Do., South	1·1	+0·3	2·0	—2·6	38·9	+1·5	9·2	+2·6	51·2	+1·8
29. Mysore	0·2	—0·2	6·9	—2·0	35·6	+1·9	6·3	—6·1	49·0	—6·4
30. Malabar	3·9	+1·8	20·2	+3·3	72·9	+5·3	16·5	—8·7	113·5	+1·7
31. Madras, Southeast	3·3	+1·3	8·3	+1·8	18·4	+0·2	16·1	—5·3	46·1	—2·0
32. Do., Deccan	0·1	—0·4	1·9	—2·6	27·7	+2·5	8·9	—0·8	38·6	—1·3
33. Do. Coast, North	1·2	+0·1	3·8	—1·8	42·0	+5·6	10·1	—1·6	57·1	+2·3

TABLE 14.—*Showing rainfalls of 10" and over, with amounts in the preceding and following 24 hours, during the year 1927.*

District.	Station.	Date.	Rainfall. In preceding 24 hours.	On date in column 3.	In following 24 hours.
1	2	3	4	5	6
			"	"	"
Amherst . . .	Yé . . .	May 26th .	3·75	10·30	3·12
Akyab . . .	Maungdaw . .	July 26th .	3·75	13·00	2·60
Do. . . .	Bulhidaung . .	July 26th .	5·33	10·55	0·75
Amherst . . .	Hnitkarin . .	Oct. 8th .	0·66	10·70	3·60
Khasi and Jaintia Hills	Cherrapunji Police Station.	April 21st .	4·84	10·80	3·39
Sylhet . . .	Manumukh . .	June 7th .	0·48	10·22	0·48
Khasi and Jaintia Hills	Cherrapunji Police Station.	June 8th .	7·00	11·58	4·41
Do. . .	Do. . .	June 11th .	6·75	14·38	4·21
Do. . .	Cherrapunji Welsh Mission House.	June 7th .	4·36	11·32	11·27
Do. . .	Do. . .	June 8th .	11·32	11·27	4·99
Do. . .	Do. . .	June 11th.	6·30	15·90	5·39
Do. . .	Do. . .	June 21st .	5·40	12·60	9·72
Do. . .	Do. . .	June 23rd .	9·72	10·69	9·80
Goalpara . . .	Dhubri . . .	July 16th .	..	10·90	0·92
Khasi and Jaintia Hills	Cherrapunji Police Station.	July 7th .	6·59	12·08	9·77
Do. . .	Do. . .	July 9th .	9·77	10·14	2·60
Do. . .	Cherrapunji Welsh Mission House.	July 7th .	8·31	16·00	8·00
Do. . .	Do. . .	July 9th .	8·00	12·00	1·94
Sadiya Frontier Tract	Pasighat . .	July 8th .	4·93	11·50	3·21
Khasi and Jaintia Hills	Cherrapunji Welsh Mission House.	Aug. 3rd .	7·47	10·13	3·12
Do. . .	Mawphlang . .	Sept. 6th .	3·68	13·05	7·60
Do. . .	Cherrapunji Police Station.	Sept. 5th .	3·84	13·62	18·50
Do. . .	Do. .	Sept. 6th .	13·62	18·50	19·59
Do. . .	Do. . .	Sept. 7th .	18·50	19·59	2·15
Do. . .	Do. . .	Sept. 30th .	4·10	12·59	9·19
Do. . .	Cherrapunji Welsh Mission House.	Sept. 5th .	4·48	11·60	19·42
Do. . .	Do. . .	Sept. 6th .	11·60	19·42	20·90
Do. . .	Do . .	Sept. 7th .	19·42	20·90	3·03
Do. . .	Do. . .	Sept. 30th .	3·34	21·40	10·74
Do. . .	Do. . .	Oct. 1st .	21·40	10·74	14·95
Do. . .	Do. . .	Oct. 2nd .	10·74	14·95	0·97
Do. . .	Cherrapunji Police Station.	Oct. 2nd .	9·19	13·80	0·80
Sylhet . . .	Lallakhal . .	Oct. 1st .	1·18	17·04	9·50
Chittagong . .	Kodala . . .	April 17th	3·87	10·33	2·71
24-Parganas . .	Saugor Island .	June 5th .	0·55	14·14	0·59
Midnapore . .	Contai . . .	June 5th .	0·71	10·85	2·17
Do. . .	Balichak . .	June 5th .	0·92	10·50	0·04
Cooch Behar . .	Cooch Behar . .	June 29th .	4·66	10·53	2·73
Midnapore . .	Pachet . . .	July 29th .	0·23	10·50	0·30
Jalpaiguri . .	Alipur Duars . .	July 7th .	2·04	12·00	1·95
Cooch Behar . .	Dinhata . .	July 16th .	..	10·84	0·50
Do. . .	Mathabhanga. .	July 9th .	1·34	12·27	0·15
Chittagong . .	Chittagong . .	Sept. 4th .	1·02	10·20	4·29
Do. . .	Kutubdia . .	Oct. 15th .	0·20	10·40	1·36
Feudatory States of Orissa and Chota Nagpur.	Bhawanipatna .	June 18th .	3·57	10·58	0·13
Do. . .	Bonaigarh . .	July 24th .	2·85	10·86	1·90
Do. . .	Keonjhar . .	July 29th .	0·27	10·50	8·45
Do. . .	Karanjia . .	July 29th .	1·11	13·95	14·30
Do. . .	Do. . . .	July 30th .	13·95	14·30	..
Do. . .	Champua . .	July 30th .	5·68	22·24	..
Do. . .	Rairangpur . .	July 30th .	7·00	10·80	..
Singhbhum . .	Manoharpur . .	July 30th .	2·49	13·25	0·70
Do. . . .	Jagannathpur .	July 30th .	3·70	11·72	0·03
Do . . .	Majhgaon . .	July 30th .	4·00	14·04	..
Hazaribagh . .	Chatra . . .	Sept. 5th .	0·33	12·25	0·74
Bareilly . . .	Bareilly (Karor) .	June 20th .	0·23	10·80	0·26
Do. . . .	Daviabojh . .	June 21st .	6·40	12·85	..
Budaun . . .	Bisauli . .	July 17th .	..	10·60	..
Dehra Dun . .	Bhogpur . .	Aug. 24th .	2·02	11·53	2·07
Do. . . .	Raipur . . .	Aug. 24th .	1·50	11·40	2·70
Naini Tal . . .	Naini Tal . .	Aug. 24th .	2·75	15·70	0·35
Garhwal . . .	Lansdowne . .	Aug. 24th .	1·85	11·12	2·73
Gorakhpur . .	Maharajganj . .	Sept. 6th .	0·06	11·81	0·06
Bareilly . . .	Nawabganj . .	Oct. 7th .	..	11·00	4·90
Do. . . .	Kundhra . .	Oct. 7th .	..	12·40	5·30
Moradabad . .	Thakurdwara .	Oct. 8th .	2·59	10·10	1·95
Farrukhabad . .	Kanauj . .	Oct. 7th .	..	12·00	1·72
Naini Tal . . .	Ramnagar . .	Oct. 8th .	2·40	10·50	4·80
Lahore . . .	Nijabat . .	Aug. 1st .	..	10·65	..
Kolaba . . .	Mangaon . .	July 21st .	2·40	10·65	2·70
Satara . . .	Málcolmpeth . .	July 12th .	9·70	16·40	4·75
Broach . . .	Jambusar . .	July 27th .	4·85	10·20	6·37
Kaira . . .	Kaira . . .	July 27th .	8·64	11·26	9·00
Do. . . .	Methmadabad .	July 27th .	6·63	12·70	11·12
Do. . . .	Do. . .	July 28th .	12·70	11·12	1·86
Do. . . .	Mátar . . .	July 25th .	2·53	11·05	8·49
Do. . . .	Do. . . .	July 27th .	8·48	11·90	8·83
Do. . . .	Nadiád . . .	July 25th .	3·74	10·10	6·72
Do. . . .	Do. . . .	July 27th .	6·72	10·77	8·58
Do. . . .	Máhudha . .	July 27th .	7·98	11·20	10·43
Do. . . .	Do. . .	July 28th .	11·20	10·43	1·98
Do. . . .	Kapadvanj . .	July 26th .	0·70	12·87	8·40
Do. . . .	Do. . . .	July 28th .	8·40	12·62	2·80
Do. . . .	Thásra . . .	July 27th .	7·70	14·68	7·00
Do. . . .	Da'kor . . .	July 25th .	2·41	10·44	11·50
Do. . . .	Do. . . .	July 26th .	10·44	11·50	18·00
Do. . . .	Do. . . .	July 27th .	11·50	18·00	21·26
Do. . . .	Do. . . .	July 28th .	18·00	21·26	1·57
Do. . . .	Anand . . .	July 25th .	3·40	11·80	6·65
Panch Mahals . .	Godhra . . .	July 26th .	1·42	15·78	7·70

TABLE 14.—*Showing rainfalls of 10" and over, with amounts in the preceding and following 24 hours, during the year 1927*—concld.

District.	Station.	Date.	Rainfall. In preceding 24 hours.	On date in column 3.	In following 24 hours.
1	2	3	4	5	6
			"	"	"
Panch Mahals . .	Kálol . . .	July 26th .	5·67	14·24	9·84
Do. . .	Do. . . .	July 28th .	9·84	15·40	3·04
Do. . .	Hálol . . .	July 26th .	7·03	18·14	7·95
Do. . . .	Jambughoda . .	July 26th .	5·07	13·41	7·24
Ahmedabad . .	Ahmedabad . .	July 27th .	5·25	16·27	11·28
Do. . . .	Do. . . .	July 28th .	16·27	11·28	5·10
Do. . . .	Prántij . . .	July 28th .	3·50	10·64	6·15
Do. . . .	Modása . .	July 28th .	2·45	11·15	5·66
Do. . .	Dholka . . .	July 25th .	3·00	10·04	7·49
Do. . . .	Dholera. . .	July 27th .	5·20	11·34	8·00
Rewa Kántha . .	Wádásinor . .	July 28th .	9·98	13·05	2·28
Mahi Kántha . .	Sadra . . .	July 28th .	3·72	10·02	4·44
Do. . . .	Idar . . .	July 28th .	2·00	12·05	4·90
Do. . . .	Mohanpur . .	July 27th .	6·65	10·30	6·64
Kathiawar . .	Rajkot . . .	July 27th .	1·22	10·73	4·00
Do. . . .	Wahdwán . .	July 25th .	5·42	12·10	2·25
Do. . . .	Dhrangadhra .	July 25th .	2·81	17·36	2·45
Do. . . .	Bajana . . .	July 25th .	5·80	12·72	3·30
Sirohi . . .	Mount Abu . .	July 29th .	5·06	10·86	8·41
Jaipur . . .	Siwai Madhopur .	Aug. 18th	2·75	11·05	0·64
Bharatpur . .	Kaman . . .	Aug. 11th	0·44	11·73	0·32
Wardha . . .	Arvi . . .	June 19th	3·10	11·45	0·05
Amraoti . . .	Chandur (Railway)	June 18th	1·35	10·70	0·08
Raipur . . .	Pindraan . .	July 25th .	0·35	12·00	1·60
Seoni . . .	Roomal . .	July 25th .	2·82	10·36	5·52
Chanda . . .	Chimur . . .	Aug. 9th .	1·00	13·21	0·25
Guntur . . .	Bapatla . .	Nov. 2nd .	0·09	10·80	0·19
Nellore . . .	Kistnapatam . .	Nov. 2nd .	1·59	10·07	0·95

SNOWFALL.*

The cold weather period, January and February.

I.—AFGHANISTAN.

Kabul.—It snowed on five days in January and four days in February, amounting to 1 ft. 6 in. and 5 in. respectively.

II.—BALUCHISTAN.

Quetta.—In January snowfall occurred on four days but was not measureable. In February snow fell on four days and on two of these days measured 1¼ in. and 5 in. respectively.

III.—NORTH-WEST FRONTIER PROVINCE.

(*a*) *Hazara.*—In the inner hills of Kagan valley snowfall was confined to the higher altitudes in both the months. In the vicinity of Abbottabad and Haripur, however, the snow-line descended as low as 1,622 feet in January: on the night between the 5th and 6th the town of Abbottabad had snowfall after no less than five years and Haripur, which is only 1,735 feet above sea-level, after some twenty-five years. The total snowfall was much above the average of previous years in both the months.

The following table gives, for each month, the character of snowfall at the various places :—

TABLE.

Locality.	No. of days of snowfall.	Total amount.		Accumulation at end of month.	
		Ft.	In.	Ft.	In.
JANUARY.					
Inner hills—					
Narang	7	18	2	7	3
Pludran . . .	7	9	6	6	3
Kagan	9	9	9	5	3
Jared	8	9	5	3	6
Malkandi . . .	5	2	6	1	0
Sundigali . . .	6	7	3	4	0
Jacha	6	6	5	3	6
Outer hills—					
Thandiani . . .	6	6	9	5	9
Dungagali . . .	8	8	5	6	0
Birangali . . .	5	3	11	2	0

* This chapter is based on the reports received mostly from the Local Government officers, who, in turn, collect the required information from the people.

TABLE.

Locality.	No. of days of snowfall.	Total amount.		Accumulation at end of month.	
		Ft.	In.	Ft.	In.
FEBRUARY.					
Inner hills—					
Narang . . .	12	17	4	7	10
Pludran . . .	12	14	11	6	10
Kagan . .	12	13	3	5	11
Jared	8	5	4	1	9
Malkandi . . .	7	3	9	1	4
Sundigali . . .	10	6	5	3	6
Jacha	10	6	0	3	0
Outer hills—					
Thandiani . . .	13	1	2	6	9
Dungagali . . .	11	8	6	5	9
Birangali . . .	9	4	5	2	6

On the whole the accumulation of snow at the end of each month was considerbly above the average.

(*b*) *Khyber Agency.*—Tarbaso and Tuzo Ghar peaks had 1 inch of snow in January and 8 inches in February, while at Landikotal the amounts reported for the two months were ¼ inch and 1 inch respectively.

(*c*) *Kohat.*—Snow fell on the Samana range on three days in January and three days in February. The amounts in the two months measured 1 foot 3 inches and 1 foot respectively, being below the average. By the end of February all the snow had melted away.

(*d*) *North Waziristan.*—Snowfall was normal during the winter months.

IV.—KASHMIR.

(*a*) *Skardu.*—Snowfall occurred on the mountain ranges on thirteen days in January and twelve days in February, descending to the station level on five days and nine days respectively in the two months. The precipitation at the station was in large defect in both the months.

(*b*) *Dras.*—There were frequent falls of snow during the period and all the surrounding mountains and passes were covered with deep layers. A noteworthy feature was the occurrence of two snowstorms in January and one in February. The accumulation of snow at the end of each month was 4 feet at the station level and much more at the higher altitudes.

(*c*) *Srinagar.*—Snowfall was below the average in January and nearly normal in February.

(*d*) *Kargil.*—At the station snowfall occurred on nine days in each of the two months. The accumulation on the neighbouring mountains was 2½ feet at the end of each month. Considering the whole area generally snowfall was more than the average of previous years.

V.—PUNJAB.

(*a*) *Rawalpindi.*—Snowfall occurred generally on the higher parts of Murree hills, covering an area of some 150 square miles, on seven days in January, amounting to 5 feet 8 inches, and on twelve days in February, amounting to 8 feet 1 inch. Considering the whole season snowfall reached the maximum depth of 5 feet and was much above the average.

(*b*) *Kulu* (*Kangra District*).—Light snowfall occurred on the 23rd January, extending down to a level of about 6,000 feet, where the accumulation was about ½ feet. During the rest of the month the snowline remained at an elevation of about 9,000 feet. The monthly total of snowfall was much below the average. The following table gives the accumulation of snow on various mountains on the 25th of January :—

TABLE.

Locality.	Accumulation.
KULU TAHSIL.	ft.
Rohtang	8
Hamta	7½
Chandarkhani	2½
Barsai	2
Pujadhar	7
Lohri Achhri	1½
Sari	5
Bhubu	3
Bastori	1
Mojhang	1
SARAJ TAHSIL.	
Sirikhand	7
Chul	4
Maghin	4
Dandku	2
Tikar	2
Ramgarh	1
Raghopur	3
Jalori	2
Sakiran	3
Lambri	3
Gargarasan	2
Supakun	2
Bashleo	3
Palacha	5
Tirth	4
Nuhnun	2

The accumulation on all the mountains was largely below normal.

In February snow fell frequently, Naggar recording 12 or 13 inches. The snowline descended to a level of 3,100 feet. Further information about the distribution and accumulation of snow on the various mountains is not available.

(c) *Kilba hills (Simla District).*—Snowfall began on the 29th January when a depth of 1½ inch was recorded at a height of 8,300 feet. A further fall occurred on the 30th and 31st and extended down to a level of 5,000 feet. The depth of snow was 5 inches at Sholtu (5,000 feet) and 8 inches at Kilba (5,750 feet). In February snowfall occurred on eight days. The total amounts measured at heights of 5,000 feet and 5,750 feet were nearly ½ feet and 1 feet respectively. The snowfall of the period was below the average.

The accumulations on the principal peaks and passes were below the average at the end of each month. The amounts are set out in the following table :—

TABLE.

Locality.	Accumulation.	
	End of January.	End of February.
	Feet.	Feet.
Kailash peak	12	13½
Rupan pass	7¼	8½
Brua pass	7	7¾
Shatul pass	6½	7

VI.—UNITED PROVINCES.

Almora.—The distribution of snowfall in the two months is given in the following table :—

TABLE.

Locality.	Amount.	
	January.	February.
	Feet.	Feet.
Malla Danpur	3½	8
Malla Darma	7¼	20
Biyans	11¾	25
Chaudans	..	12½

In the two months the snowline descended to distances of 3 and 4 miles respectively in Malla Danpur, 30 and 32 miles and Malla Darma and 45 and 50 miles in Biyans; in Chaudans the snowline in February went down to a distance of, 10 to 15 mles. Snowfall was below normal in January and above it in February. The approximate accumulations of snow on the well-known peaks and passes were as under :—

TABLE.

Pass.	Accumulation.	
	End of January.	End of February.
	Feet.	Feet.
Lampia Lake	11¾	25¾
Lipulekh	9½	19¾
Pindari	3½	..
Kafini	3½	8
Kantela	3½	..
Nandakot	3½	8
Nuwe Dhura	9½	20
Puwalidwar	..	8
Bankaru	..	12

The accumulations were below the average at the end of January and generally above it at the end of February.

The hot weather period, March to May.

I.—AFGHANISTAN.

Kabul.—Snow fell on four days in the first fortnight of March, the only noteworthy amount being 1·2 inch on the 15th. From 16th March onwards the weather was snowless throughout the period.

II.—BALUCHISTAN.

Quetta.—A very light fall of snow in March was the only one during the period, the amount recorded being below the average. Some accumulation remained on the higher peaks till the end of April but there was no trace left by the end of May.

III.—NORTH-WEST FRONTIER PROVINCE.

(a) *Hazara.*—In March snowfall in the inner hills of Kagan valley was generally confined to the higher altittudes. The total fall for the month was much heavier than in past years.

Details about the character of snowfall in March at the various places are set out in the following table :—

TABLE.

Locality.	No. of days of snowfall.	Total amount.		Accumulation at end of month.	
		Ft.	In.	Ft.	In.
Inner hills—					
Narang . . .	10	15	8	6	2
Pludran . . .	10	11	1	5	4
Kagan	10	9	4	3	0
Jared	5	2	9	..	
Malkandi . . .	4	1	10	..	
Sundigali . . .	6	3	2	2	6
Jacha . . .	6	2	5	..	
Outer hills—					
Thandiani . . .	4	4	0	4	6
Dungagali . . .	4	2	5	3	0
Birangali . . .	2	0	10	0	3

The accumulation of snow was generally above the average in the inner hills and below it in the outer hills.

During April and May snow fell occasionally. The total amount during the whole season November to May ranged from 3½ feet to 12 feet at altitudes of 6,000 feet to 18,000 feet. The accumulation of snow at the end of May measured 2½ feet to 9 feet at elevations of 8,000 feet to 18,000 feet and was above normal.

(*b*) *Dir, Swat and Chitral.*—No snowfall reports have been received for March and April. In May Lohari range (10,000 feet) had about 1¼ feet of snow and Swat Kohistan about 6 inches, while some snow fell also on Lowarai peak. The most noteworthy fall occurred about the 14th-15th May. The accumulation of snow at the end of May was generally above the average ; the actual depths were as follows :—

Lohari range	6 ft. to 8 ft.
Kamra peak	7 ft
Swat Kohistan.	6 ft.
Chakisir peaks	4 ft.
Lowarai peak	3 ft.

(*c*) *Khyber Agency.*—In March 3 inches of snow fell on Tartaso and Tuzo Ghar peaks. April and May were snowless. The accumulation on the high peaks of the eastern slopes of the Safed Koh range at the end of the period was normal.

(*d*) *Kurram.*—The accumulation of snow at the end of the period was somewhat below normal.

(*e*) *Kohat.*—No snowfall occurred during the period.

(*f*) *North Waziristan.*—No snow fell during the period. Even the previous accumulations on the peaks melted away by the end of March.

(*g*) *South Waziristan.*—The snowfall report for May alone has been received. During this month no fresh snow fell on Pirghal and hills surrounding Razmak while the previous accumulations melted away.

(*h*) *Dera Ismail Khan.*—During the whole winter season three or four falls of snow occurred on the Takht-i-Suleman. By the end of May, however, all the snow had melted away.

IV.—KASHMIR.

(*a*) *Skardu.*—In March snowfall, accompanied with rain, occurred at the station and the surrounding mountains on ten days. In each of the months April and May snow fell on six days but was confined to the higher mountains. The precipitation at the station was in large excess in March and in large defect in April and May. The accumulation of snow at the end of the period was 2 feet on the peaks and passes, being below normal.

(*b*) *Dras.*—Several falls of snow, some of which were heavy and associated with stormy weather occurred at the station and on the surrounding mountains during the first half of the period. During the second half, however, snowfall was confined to the higher peaks. The precipitation at the station was below normal in all the three months but in March snowfall along was somewhat heavier than usual, the accumulation at the end of the month being 5 feet deep at the ground level and much deeper on the mountains and peaks. The snow accumulated at the station level melted away by the end of April and by the end of May even the high peaks towards north and east became mostly clear, deep layers still lying only on the southern and western mountains. On the whole the final accumulation was greater than the corresponding accumulation in last year.

(*c*) *Srinagar.*—At the station proper snowfall occurred on three days in March. In April snowfall was confined to the higher mountains where it occurred on four days, while in May there was no snowfall. The precipitation at the station was below normal in March and April and above it in May. The accumulation at the end of the period was about normal on the highest mountains to the north-east.

(*d*) *Kargil.*—Snow fell at the station on seven days in March and two days in April, the month of May being only rainy. The precipitation was above the average in March and below it in the other two months. The accumulation on the surrounding mountains and passes was 3½ feet at the end of March, ¼ feet at the end of April and about 1 feet at the end of May.

(*e*) *Sonamarg.*—Information is available only for May during which month about 6 inches of snow fell at the station. The accumulation at the end of the month on the higher peaks and passes was heavier than the corresponding accumulation in last year.

(*f*) *Gurez.*—Report has been received only for May, showing that there was no snowfall during the month. Some accumulation of previous snow was however visible on the peaks and Buzil and Traghal passes at the end of the month.

(*g*) *Leh.*—About 5 inches of snow fell at the station in May. This was heavier than usual. Reports for March and April are not available. The accumulat on on passes at the end of the period was, on the whole, somewhat less than the corresponding accumulation in last year.

General.—Considering the whole of Kashmir, the accumulation of snow on the mountains at the end of the period was nearly normal.

V.—Punjab.

(*a*) *Rawalpindi.*—Snowfall amounting to 5 feet occurred in Murree and Kahuta hills on five days in March, the most extensive fall occurring on the 10th. There was no snowfall in April and May nor was any previous accumulation of snow left on the hills by the end of the period.

(*b*) *Chamba.*—The winter conditions persisted till late during the period and in addition to some snowfall in March and April, some light falls of snow and hail occurred at altitudes above 10,000 feet. Sach and Kwarsi passes were open to traffic by the 12th May though the accumulation of snow there was as usual 6 feet to 8 feet deep.

(*c*) *Kulu* (*Kangra District*).—There was some light snowfall during the month of March but the snowline receded to a level of 5,800 feet. No snow fell during the remaining two months and the snowline went up to 10,000 feet in April and 13,000 feet in May. At the end of the period some snow was visible on Rohtang pass while Jalori and Bashleo passes were clear.

(*d*) *Kilba hills* (*Simla District*).—Snowfall occurred on two days in March and two days in April. The first of these four falls descended to a level of 5,000 feet where the depth of snow was ½ inch, the amount recorded at a higher elevation of 5,750 feet being 2 inches. The other three falls were restricted to altitudes above Merin village (8,380 feet) and measured 1½ inch, 1 inch and 1½ inch respectively at the village level. In each of the two months the total snowfall was nearly normal. There was, however, no snowfall during May and thus the total precipitation for the whole period remained short of the normal. Rupan pass alone was open to traffic by the end of April. The depths of the accumulation of snow on the principal peaks and passes at the end of each month, as set out in the following table, were considerably below the average :—

Table

Locality.	Accumulation.		
	End of March.	End of April.	End of May.
	Feet.	Feet.	Feet.
Kailast peak . . .	8	8	7¾
Ruipan pass	5½	2½	1
Brua pass	4¾	5½	4
Shatul pass . .	4	6	5

VI.—United Provinces.

(*a*) *Almora.*—The following table gives the amounts of snowfall recorded in the various pattis in each month :—

Table.

Locality.	Amount.		
	March.	April.	May.
	Feet.	Feet.	Feet.
Malla Danpur . . .	6	2	2
Malla Darma . . .	13½	5	11
Biyans	9	3½	4½
Chaudans	..	..	2¾

In Malla Danpur the snowline descended to a distance of 3 to 4 miles in each month ; in Malla Darma 30 miles in March and 10 miles in May ; in Biyans 20 to 30 miles in March and April and 7 miles in May and in Chaudans 7 miles in May. Snowfall was above the average in each month. The approximate accumulations of snow on the well-known passes are set out in the table below :—

Table.

Pass.	Accumulation.		
	End of March.	End of April.	End of May.
	Feet.	Feet.	Feet.
Lampia Lake . . .	21	11	7
Lipulekh	17	8	5
Pindari	..	2	2
Kafini	6	2	2
Kantela	..	..	2
Nandakot	6	..	..
Nuwe Dhura . . .	20	35	36
Puwalidwar	6	2	..
Bankaru	..	..	4

The above noted accumulations were above normal in March and below it in April and May except on Nuwe Dhura pass where the accumulation was below the average in March and above it in April and May.

(*b*) *Garhwal.*—In March snow fell on two days to an average depth of 2 ft. The report for April has not been received. There was no snowfall in May. The accumulation at the end of the period was above the average.

VII.—ASSAM.

Sadiya Frontier Tract.—No snow fell.

The south-west monsoon period, June to September.

June and July.

I.—AFGHANISTAN.

Kabul.—There was no abnormality observed in the snowfall on the Hindukush, the accumulation on the ranges near Kabul or the descent of the snowline.

II.—NORTH-WEST FRONTIER PROVINCE.

(*a*) *Hazara.*—Snow fell at altitudes of 13,000 to 17,000 feet in the Kagan valley on one day in June and seven days in July. Some accumulation of snow existed on the high mountains at the end of July.

(*b*) *Dir, Swat and Chitral.*—No snowfall occurred during the two months. The accumulation at the end of July was normal or in defect, measuring about 3 feet on the ranges near Drosh, 1 to 3 feet on the Lowarai and Ushiri nullahs, 4 to 5 feet on the peaks of Ushu Utrot and Mankial and 2 to 3 feet on Dral.

(*c*) *Khyber Agency.*—No snow fell during the period nor was there any accumulation left on the mountains by the end of July.

(*d*) *Kurram.*—There was no snowfall in the two months. The accumulation at the end of July was below normal.

(*e*) *South Waziristan.*—As usual the period was snowless and the previous deposits of snow melted away by the end of July.

III.—KASHMIR.

(*a*) *Skardu.*—Snowfall was observed on the surrounding mountains on four days in June and one day in July. The precipitation at the station level was below the average in both the months.

(*b*) *Dras.*—At the station there was no snowfall during the period. The surrounding mountains, however, had some falls in July, the snowline occasionally descending. Deep layers of snow remained lying on the passes till the end of June. On the peaks, however, the accumulation at the end of each month was slight.

(*c*) *Srinagar.*—The only snowfall during the period occurred on the high surrounding mountains on the 11th June.

(*d*) *Gulmarg.*—In June snow fell on six days on the Affarwat peaks and gorges and was above normal. No snowfall occurred in July.

(*e*) *Kargil.*—There was no snowfall during the period. The accumulation of previous snow on the higher peaks and passes was 5 inches at the end of June and 1 inch at the end of July.

(*f*) *Sonamarg.*—Slight snowfall occurred on a few occasions in June on high peaks, which remained more or less covered till the end of July.

(*g*) *Leh.*—Snow fell on high mountains on several days in June but melted away. The previous accumulations, however, persisted as usual till the end of July by which time the passes to the north were open to traffic though somewhat later than usual.

General.—On the whole the accumulation of snow at the end of the period was more or less in defect.

IV.—PUNJAB.

(*a*) *Chamba.*—A light fall of snow occurred in the beginning of June but did not descend below 13,000 feet. The accumulation of snow on the higher ranges was nearly normal at the end of July.

(*b*) *Kulu* (*Kangra District*).—Snowfall began after 24th July and was confined to elevations above 16,000 feet. At the end of the period some small accumulation existed on Rohtang and Baralachra passes while Spiti pass was clear and open to traffic. The higher peaks had considerably less accumulation than usual.

(*c*) *Kilba hills* (*Simla District*).—There was no snowfall during the period. The accumulation of the previous snow on Rupan, Shatul and Brua passes disappeared by the middle of June but on Kailash peak about 3 feet of snow lay at the end of July.

V.—UNITED PROVINCES.

(*a*) *Almora.*—In June snow fell to a depth of 9 inches in Malla Danpur, 11½ feet in Malla Darma and 5 feet in Biyans, the snowline descending to a distance of 3 or 4 miles in Malla Danpur and 10 miles in Biyans. In July 6 inches of snow was reported from Malla Danpur where the snowline descended to a distance of 3 or 4 miles.

(*b*) *Garhwal.*—There was no heavy fall of snow during the period nor was any very large accumulation left on the high mountains and passes by the end of July.

VI.—ASSAM.

Sadiya Frontier Tract.—There was no snowfall.

August and September.

I.—AFGHANISTAN.

Kabul.—Snowfall occurred on the Paghman range on two days in the second fortnight of September.

II.—NORTH-WEST FRONTIER PROVINCE.

Dir, Swat and Chitral.—Snow fell on the mountains surrounding Drosh on two days in September. The lowest level reached by the snowline was 8,000 feet and the depth of snow varied from 2 inches to 2½ feet.

III.—KASHMIR.

(*a*) *Skardu.*—Snowfall occurred on the surrounding mountains on three days in August and six days in September. The rainfall at the station was normal in August and in defect in September.

(*b*) *Dras.*—There was light snowfall on the surrounding mountains in both the months. At the end of each month a few patches of slight accumulation were visible on peaks.

(*c*) *Srinagar.*—Snowfall occurred on the surrounding high mountains on the 27th and 28th September, the rainfall at the station during this month was below normal.

(*d*) *Gulmarg.*—Snow fell on the Affarwat range on five days in September; the rainfall at the station during the month was below normal.

(*e*) *Kargil.*—There was no snowfall during the period. The accumulation on the well known peaks and passes was about ½ inch at the end of each month.

IV.—PUNJAB.

Kilba hills (*Simla District*).—The snowfall reports for both the months were blank.

V.—UNITED PROVINCES.

Almora.—The following amounts of snow were recorded at the various pattis in the two months :—

Locality.	Amount.	
	August.	September.
	Feet.	Feet.
Malla Danpur	½	¾
Malla Darma	5½	..
Biyans	3	5

The snowline descended to a distance of 3 to 4 miles in Malla Danpur in each month, 2 miles in Malla Darma in August and 5 and 7 miles respectively in Biyans in the two months.

VI.—BHUTAN.

Yatung (*Chumbi*).—No snowfall occurred in August. The report for September is not available but it appears from the subsequent reports that the weather was probably snowless during that month also.

VII.—ASSAM.

Sadiya Frontier Tract.—No snowfall occurred during the period.

The retreating monsoon period October to December.

I.—PERSIA.

Meshed.—Snow fell on one day in November, measuring ½ inch and on two days in December to a depth of 2 inches.

II.—AFGHANISTAN.

Kabul.—Snow fell on the Paghman range on one day in October and three days in November; in December snowfall occurred on all ranges on two days.

III.—BALUCHISTAN.

Quetta.—Light snowfall occurred on the surrounding mountains on three days in December.

IV.—NORTH-WEST FRONTIER PROVINCE.

(*a*) *Hazara.*—The report for December shows that the snowfall for the month was below the average. The fall on the 29th to 31st descended to the level of Malkandi (4,000 feet) but the amount at the station was negligible. The accumulation at the end of the month was generally above normal in the inner hills and below it in the outer hills. The details about the distribution and accumulation of snowfall in the district are set out in the following table :—

TABLE.

Locality.	No. of days of snowfall in December.	Total amount in December.		Accumulation at end of December.	
		Ft.	In.	Ft.	In.
Inner hills—					
Narang . . .	12	8	10	4	4
Pludran	12	5	0	3	10
Kagan	11	3	1	1	10
Jared	2	0	2	0	1
Malkandi . . .	0	..		..	
Sundigali . . .	4	2	1½	1	0
Jacha	4	1	10	0	11
Outer hills—					
Thandiani . . .	4	3	3	1	6
Dungagali . . .	6	3	8	1	4
Birangali . . .	4	0	10½	0	6

(*b*) *Dir, Swat and Chitral.*—The report for Drosh upto 18th December is only available. It shows that there was no snowfall in October and November but that during the first fortnight of December snow fell on the surrounding mountains on six days. The snowline descended to a level of 5,500 feet and the depth of snow of the various falls ranged from 2 inches to 4 feet. The total snowfall for the period was above normal. The accumulation on the ranges of Lohari pass (14,000 feet) was 7 feet deep at the end of December.

(*c*) *Kurram.*—There was practically no snowfall till the middle of December. On the 14th December however a

very heavy fall of snow occurred on the Sufed Koh descending to a level of 7,500 feet. The accumulation on the Sufed Koh was normal on the 20th December, the last date of report.

(*d*) *South Waziristan.*—Snow fell in the Agency on two days in December. The principal amounts were about 2 feet on the high peaks of Manra, Janimela and Marwatti ranges in Wana, 1 feet 6 inches on Sir Navai above Spinkamar, 1 foot 3 inches on Pirghal and 9 inches on Khasso Binga and Zattari Sarina near Kanigoram and on Kotma hills, Nazhmarai and Engamal. The total snowfall was above the average.

V.—Kashmir.

(*a*) *Skardu.*—Snowfall occurred on the surrounding mountains on four days in October, five days in November; and eleven days in December; in the last month snowfall also extended to the station level on two days. The precipitation at the station was below normal throughout the period.

(*b*) *Dras.*—In October there were two falls of snow one of which extended down to the station level where the amount, measured as rain, was 0·14 inches. In November it snowed over the whole area on one day, the amount at the station being equal to 0·07 inches of rain. In December snow fell on several days, especially during the first fortnight. The rain-equivalent of the total fall of the month at the station measured 1·71 inches. The precipitation at the station was below normal in the first two months and nearly normal in December. The accumulation of snow was slight and confined to the tops of high mountains at the end of October, extended down to the foot of the mountains by the end of November and increased largely in area and depth by the end of December when the ground level was covered by a layer 2 feet deep; this final accumulation was however still short of the normal by 1½ feet.

(*c*) *Srinagar.*—Snow fell on the mountains on three days in November and one day in December, the last fall descending to the station level. The total snowfall of the period was below the average.

(*d*) *Kargil.*—Snowfall occurred at the station on one day in November and seven days in December, the monthly totals, measured as rain, being 0·02 inch and 0·34 inch respectively. The total precipitation of the period was below normal. The accumulation of snow on the higher peaks and passes was 2 inches at the end of October, 4 inches at the end of November and 1 foot at the end of December, the final depth being somewhat below the average.

(*e*) *Sonamarg.*—There were frequent falls of snow during the period. The accumulation at the end of December was 5 feet on the mountains and 3 feet on the ground, being below the average.

(*f*) *Leh.*—There was no snowfall to speak of during the period. The passes to the north remained open to traffic.

VI.—Punjab.

(*a*) *Rawalpindi.*—No snow fell in October and November. In December snowfall occurred twice the total measuring 4 inches in depth.

(*b*) *Kulu* (*Kangra District*).—Snowfall occurred in November and December at altitudes above 11,000 feet in Kulu and above 15,000 feet in Saraj and was in large defect. The accumulation at the end of the period, as detailed below, was also much below normal.

Table.

Locality.	Accumulation at end of December.
Kulu Tahsil.	Ft
Rohtang	5
Hamta	6
Chandarkhani	1
Barsai	1
Pujadhar	1½
Lohri Achhri	½
Sari	0
Bhubu	0
Bastori	0
Mojhang	0
Saraj Tahsil.	
Sirikhand	2
Chul	0
Maghin	0
Dundku	0
Tikar	0
Ramgarh	0
Raghopur	0
Jalori	0
Sakiran	0
Lambri	0
Gargarasan	0
Supakun	0
Bashleo	0
Palacha	0
Tirth	0
Nuhnun	0

(*c*) *Kilba hills* (*Simla District*).—The following table shows the character of snowfall for each month :—

Table.

Month.	No. of days of snowfall.	Lowest level of snowline.	Total snowfall at lowest level.	Area affected. Sq. miles.	Accumulation at end of month.			
					Kailash peak.	Rupan pass.	Brua pass.	Shatul pass.
		Feet.	Inch.		Feet.	Feet.	Feet.	Feet
October	1	9,000	1	250	2	½	½	½
November	1	8,390	½	200	2½	½	½	½
December	2	8,000	½	300	3	2	1	1½

In October snowfall above 11,500 feet measured 6 to 9 inches. In November, further up the Sutlej valley the snowline descended to a level of 7,500 feet beyond Chini and of 7,000 feet in Pandrabis opposite Taranda.

Snowfall commenced earlier than in the previous years but, as shown in the foregoing table, was very light. The accumulation on the peaks and passes was also in very large defect at the end of each month.

VII.—United Provinces.

(*a*) *Almora.*—The distribution of snowfall during each month is shown in the following table :—

Table.

Locality.	October.		November.		December.	
	Total snow-fall.	Distance to which snowline descended.	Total snow-fall.	Distance to which snowline descended.	Total snow-fall.	Distance to which snowline descended.
	Feet.	Miles.	Feet.	Miles.	Feet.	Miles.
Malla Danpur . .	2	4	3	4	2	4
Malla Darma . .	6	3	14	25	4½	13 to 14
Biyans . . .	8	10	10	20	2¼	2
Chaudans . .	..	..	..	..	3	12 to 13
Malla Johar . .	..	..	..	..	5	5

Snowfall in each month was above normal in all the pattis except Malla Johar where it was below normal in December.

The depths of accumulation of snow on the peaks and passes are given in the table below :—

Table.

Locality.	Accumulation.		
	End of October.	End of November.	End of December.
	Feet.	Feet.	Feet.
Lampia Lake pass. . .	12	20	16
Lipulekh pass . . .	10½	13	11
Pindari pass . . .	5	7	2
Kafini pass	5	7	2
Kantela pass . . .	5	7	2
Nuwe Dhura pass . .	16	32	16
Puwalidwar pass . . .	5	7	2
Bankaru pass . . .	..	..	16
Milam pass . . .	..	..	1½
Untadhura peak . . .	..	..	8
Ralam Dhura peak . .	..	..	8

The accumulation was above normal at the end of October and November and mostly below it at the end of December.

(*b*) *Garhwal.*—Snowfall occurred only twice in December and the average fall amounted to 3½ feet.

VIII.—Bhutan.

Yatung (*Chumbi*).—Heavy snowfall occurred from the 12th to 14th November. Information for the period after 2nd December is not available.

IX.—Assam.

Sadiya Frontier Tract.—In October snowfall occurred on Dapha Bum and the adjacent ranges, extending down to 11,000 feet. In November and December snow fell on Maya pass (8,000 feet). The total snowfall during the season was below normal.

Summary.

The cold weather period, January and February.—Snowfall occurred in Afghanistan in both the months, the fall in January being much heavier than that in February. In Baluchistan the snowfall in January was negligible but in February a few appreciable falls were recorded. In the North-West Frontier Province, Hazara District had much more snowfall than usual while Kohat District registered a defect, snowfall at the other places being nearly normal. A noteworthy feature was the descension of snowline to a level of 1,600 feet in Hazara on the 5th-6th January ; in this distict the accumulation at the end of the period was considerably above the average. The snowfall in Kashmir, though frequent and widespread, was at most places, below the average. The accumulation at the end of the period was also generally less than usual. In the Punjab the total snowfall for the period and the final accumulation were below normal except in the Murree hills where a large excess was recorded. The snowfall as well as the final accumulation in the Kumaon hills was below normal in January and above it in February.

The hot weather period, March to May.—In Afghanistan and Baluchistan snowfall occurred during the first half of March, Baluchistan recording less snow than the average and having no accumulation at the end of the period. In the North-West Frontier Province snowfall was confined to the northern half and occurred mainly in March ; only Hazara and Dir, Swat and Chitral had a few falls also in April and May. The accumulation at the end of the period on the northern hills was above the average. The snowfall in Kashmir was in excess in March and in defect in April and May. The snowline descended to the lower levels only in March. The accumulation at the end of the period was nearly normal. In the Punjab snowfall was widespread and locally heavy in March but confined to Chamba and Kilba hills during the rest of the period. The accumulation at the end of May was on the whole below normal. The Almora hills had more snowfall than usual but the accumulation there at the end of the period was below the average while Garhwal had more than the normal accumulation.

The southwest monsoon period, June to September.—June and July.—There was no abnormality in the character of snowfall in Afghanistan. In the North-West Frontier Province snowfall was confined to the higher mountains in Hazara District, where some of the deposits were visible till the end of July. The accumulation of the previous snow was normal or in defect in Dir, Swat and Chitral and Kurram and

did not exist at all at the other places. The snowfall in Kashmir was widespread in June and local in July but was always restricted to high altitudes. The accumulation at the end of the period was more or less in defect. Chamba and Kulu hills had some snowfall during the period. The accumulation at the end of July was normal in Chamba and in considerable defect elsewhere in the Punjab. In the United Provinces snowfall occurred mainly in Almora; Garhwal had neither any heavy fall during the period nor any large accumulation at the end of it.

August and September.—Snowfall occurred in Afghanistan and on the Drosh mountains in the North-West Frontier Province in September. In Kashmir light snowfall occurred on a few of the high mountains in August and on most of them in September. Some of the high peaks and passes were covered with snow till the end of the period. The Punjab hills had no snowfall while in the Almora hills snow fell in both the months. There was no snow in Bhutan.

The retreating monsoon period, October to December.—Meshed (in Persia) had 2½ inches of snow during November and December. In Afghanistan snow fell on the Paghman range in October and November and on all ranges in December; during December Baluchistan had also a few light falls. In the North-West Frontier Province snowfall occurred in December and was above normal on most hills. The accumulation at the end of the month was normal or in excess in the division except on the outer hills in Hazara where it was in defect. The higher mountains in Kashmir had snowfall in all the months and the lower places mainly during the second half of the period, the total precipitation being below the average. The accumulation of snow at the end of December was less than usual. Snowfall in the Punjab commenced earlier than usual but was on the whole in large defect. The accumulation at the end of the period was also much below the average. In the Almora hills snowfall was generally in excess but the accumulation, though above normal at the end of October and November, was in defect at the end of December. Bhutan had a heavy and fairly prolonged fall of snow in November. In the Sadiya Frontier tract snowfall was below normal.

UPPER WINDS.

The following table gives monthly mean velocities and directions at different heights above stations in India :—

TABLE 15.—*Monthly means of direction*

Height in Km.	Agra.				Simla.				Lahore.				Bangalore.				Akyab.				Diamond Harbour (Calcutta).			
	Height above sea 0·17 Km.				Height above sea 2·13 Km.				Height above sea 0·21 Km.				Height above sea 0·92 Km.				Height above sea 0·01 Km.				Height above sea 0·01 Km.			
	n	V	v	L	n	V	v	L	n	V	v	L	n	V	v	L	n	V	v	L	n	V	v	L
Ground level	31	1·7	1·0	270	30	2·7	1·8	173	31	0·9	0·4	331	31	3·7	3·8	90	30	4·7	4·2	29	30	0·8	0·3	65
0·2 above Ground	31	4·9	2·6	347	31	5·7	3·3	161	30	4·1	1·7	337	31	6·7	5·8	97	30	4·8	4·2	24	30	5·1	1·2	44
0·5 ,, ,,	31	4·2	2·1	332	31	5·0	3·2	161	30	4·0	1·3	315	31	7·0	5·9	89	30	4·1	2·5	3	30	4·9	1·2	306
0·5 above Sea	31	4·7	2·3	349	..	..	..	..	30	4·2	1·7	337	..	..	..	..	30	4·1	2·5	30	30	4·9	1·2	306
1·0 ,,	31	4·2	2·2	314	..	..	..	..	31	3·9	1·2	278	31	5·5	4·8	99	30	4·7	1·5	333	30	5·7	3·8	293
1 ,, ,,	31	5·6	4·0	293	..	..	..	..	31	4·6	1·2	239	30	7·0	5·8	87	30	5·7	2·4	320	29	8·1	6·4	296
2·0 ,, ,,	31	6·9	5·4	291	..	..	..	..	31	4·6	1·2	228	29	5·9	4·8	75	29	6·6	4·3	308	28	9·9	8·5	299
2·5 ,, ,,	31	7·8	6·9	285	31	5·4	3·4	159	30	5·0	2·2	249	27	5·1	3·5	70	28	7·6	6·5	298	26	10·9	9·9	295
3·0 ,, ,,	31	10·3	9·4	279	31	5·1	2·7	166	30	6·4	4·0	251	27	4·4	2·4	88	28	8·8	8·0	291	26	11·7	10·9	286
3·5 ,, ,,	31	13·2	12·0	274	28	5·7	2·6	158	28	8·2	5·8	265	26	4·7	2·9	75	28	11·1	10·0	230	26	13·6	12·9	285
4·0 ,, ,,	31	15·7	14·5	272	28	6·8	2·8	227	26	10·1	8·1	238	26	5·0	3·3	75	28	12·9	11·8	275	23	15·0	14·4	282
4·5 ,, ,,	31	18·9	17·6	272	25	7·8	5·8	263	26	12·0	10·3	267	23	4·0	2·6	70	28	14·0	13·5	273	26	17·1	16·5	281
5·0 ,, ,,	31	22·4	21·3	272	21	10·5	8·5	272	26	4·8	13·2	270	23	4·4	3·1	66	27	15·0	14·5	271	25	20·2	19·4	277
6·0 ,, ,,	31	30·3	29·0	274	19	17·6	16·2	275	21	21·5	20·7	270	21	5·9	2·7	59	24	17·5	16·7	269	14	20·6	19·9	263
7·0 ,, ,,	20	34·1	32·6	275	7	19·8	19·4	275	14	29·6	28·1	268	15	6·7	3·1	25	14	20·4	20·0	263	3	24·5	23·5	261
8·0 ,, ,,	13	38·9	37·3	272	3	25·0	24·7	278	..	28·6	28·4	277	12	8·0	2·2	346	2	25·3	24·7	260	1	28·5	28·5	245
9·0 ,, ,,	9	46·7	45·7	266	..	..	..	..	..	34·0	34·0	270	5	8·9	1·4	241	..	..	..	..	..	..	..	..
10·0 ,, ,,	..	..	..	..	..	..	..	..	..	..	..	..	4	9·4	7·4	241	..	..	..	..	..	..	..	..
11·0 ,, ,,	..	..	..	..	..	..	..	..	..	..	..	..	4	12·0	10·7	228	..	..	..	..	..	..	..	..
12·0 ,, ,,	..	..	..	..	..	..	..	..	..	..	..	..	3	12·8	11·1	217	..	..	..	..	..	..	..	..
13·0 ,, ,,	..	..	..	..	..	..	..	..	..	..	..	..	2	12·5	10·5	202	..	..	..	..	..	..	..	..
14·0 ,, ,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

n= Number of flights.
V= Velocity of wind, regardless of direction, metres per second.
v= Velocity of resultant wind, taking account of direction, metres per second.
L= Direction of resultant wind, North wind= 0° or 360°, East wind= 90°.

and velocity of upper winds, January 1927.

Quetta.				Peshawar.				Poona.				Drigh Road (Karachi).				Port Blair.								Madras.			
																Height above sea 0·04 Km.											
Height above sea 1·68 Km.				Height above sea 0·35 Km.				Height above sea 0·55 Km.				Height above sea 0·01 Km.				Morning.				Evening.				Height above sea 0·01 Km.			
n	V	v	L	n	V	v	L	n	V	v	L	n	V	v	L	n	V	v	L	n	V	v	L	n	V	v	L
29	1·8	0·3	352	31	1·2	0·5	202	31	1·3	1·3	194	31	2·6	1·2	75	31	4·8	3·9	40	20	5·8	5·1	37	31	0·9	0·4	31
29	3·3	0·8	282	31	2·2	0·3	37	31	2·5	0·6	183	31	5·5	2·6	62	31	6·4	5·9	50	20	7·0	6·4	46	30	5·4	4·0	46
29	3·6	1·7	275	31	2·3	1·3	350	31	3·9	0·8	161	31	5·0	2·3	15	31	6·9	6·4	62	20	7·0	6·6	50	30	6·3	5·0	64
..	..	..	..	31	2·1	0·1	76	..	..	..	..	31	5·0	2·3	15	31	6·9	6·4	62	20	7·0	6·6	50	30	6·3	5·0	64
..	..	..	..	31	2·8	2·1	336	..	..	..	..	31	4·6	2·3	343	29	7·4	6·1	84	20	6·9	5·5	63	29	6·2	5·5	74
..	..	..	..	31	3·8	2·4	329	31	5·0	3·5	186	30	4·8	2·3	320	24	5·2	3·9	99	20	5·4	2·7	85	24	6·2	5·7	59
29	3·3	1·2	279	30	3·9	1·3	338	31	5·7	4·8	201	29	5·9	3·8	290	22	5·0	3·2	98	17	4·6	2·2	91	22	6·5	4·8	58
28	14·5	2·9	279	30	3·9	0·7	314	31	6·1	4·7	239	28	8·1	6·6	285	22	4·2	2·7	87	17	4·2	1·7	45	20	5·5	3·6	52
27	7·9	6·7	289	29	4·3	1·5	288	31	7·7	6·1	287	27	11·2	10·3	284	21	3·7	2·6	85	16	4·0	1·6	36	20	4·3	2·3	60
26	11·7	10·5	285	28	5·4	3·2	259	31	9·0	7·5	293	27	14·4	13·7	282	21	4·3	3·2	101	14	3·1	1·8	74	17	3·3	1·7	62
23	14·4	13·4	289	28	6·9	5·1	267	31	9·8	8·2	293	27	17·7	16·9	282	19	4·8	3·7	102	14	3·4	3·0	84	17	3·8	2·2	59
21	18·0	16·9	289	28	8·9	6·9	275	31	10·4	8·7	232	27	20·6	19·8	283	19	5·9	5·0	93	13	5·1	4·3	85	17	4·1	2·4	59
18	21·5	20·6	286	26	11·4	9·9	280	30	11·0	9·1	300	25	22·3	21·5	285	19	6·7	5·6	81	13	6·0	5·1	85	17	3·8	2·0	69
5	25·5	25·0	287	24	17·3	15·2	277	28	12·7	11·0	292	23	28·8	28·1	284	16	8·3	7·1	88	9	7·3	6·3	87	16	4·9	1·9	61
1	25·0	25·0	280	17	21·6	20·4	280	26	14·4	13·0	287	16	32·2	31·2	280	14	8·3	7·4	88	7	6·9	5·7	95	13	5·1	1·2	28
..	..	..	..	5	24·8	24·0	279	22	15·7	14·3	280	9	31·3	30·9	286	11	6·4	4·9	77	6	6·7	4·3	51	11	6·9	2·2	2
..	..	..	..	3	38·2	37·7	275	13	17·2	15·2	279	6	37·3	36·1	294	6	8·4	6·0	130	3	9·8	3·7	16	9	6·8	1·8	234
..	..	..	..	1	33·0	33·0	285	9	16·9	16·5	276	5	40·1	38·0	297	4	8·6	5·7	174	2	7·0	1·9	259	8	8·7	6·1	235
..	..	..	..	..	..	..	..	5	15·8	14·1	276	1	45·0	44·9	305	4	10·1	5·8	185	2	8·3	2·3	239	5	10·3	9·1	213
..	..	..	..	..	..	..	..	2	16·3	16·3	235	..	..	..	..	3	7·8	6·2	163	2	6·3	4·9	210	1	15·0	15·0	245
..	..	..	..	..	..	..	..	1	23·5	23·5	240	..	..	..	..	..	..	..	..	1	7·0	7·0	135	1	22·0	22·0	255
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	15·5	15·5	120	..	..	..	..

TABLE 15.—*Monthly means of direction*

Height in Km.	Agra. Height above sea 0·17 Km.				Simla. Height above sea 2·13 Km.				Lahore. Height above sea 0·21 Km.				Bangalore. Height above sea 0·92 Km.				Akyab. Height above sea 0·01 Km.				Diamond Harbour (Calcutta). Height above sea 0·01 Km.			
	n	V	v	L	n	V	v	L	n	V	v	L	n	V	v	L	n	V	v	L	n	V	v	L
Ground level	28	2·5	1·4	292	25	1·7	0·8	140	28	0·7	0·3	21	28	3·5	1·8	107	16	4·3	3·6	16	28	0·9	0·4	22
0·2 above Ground	28	6·3	3·6	336	24	5·3	1·7	103	28	4·9	2·2	14	28	5·9	3·0	116	16	5·5	4·0	359	28	5·4	2·2	340
0·5 " "	28	6·7	3·9	319	25	5·0	1·5	156	28	4·7	1·6	345	28	6·2	3·1	108	16	5·8	4·1	339	28	6·7	3·0	306
0·5 above Sea	28	6·6	3·6	335	..	..	..	..	28	5·0	1·9	7	..	..	..	..	16	5·8	4·1	339	28	6·7	3·0	306
1·0 " "	27	6·7	5·3	307	..	..	..	..	27	4·2	1·4	342	..	..	..	..	16	6·1	4·9	329	27	6·4	4·3	283
1·5 " "	27	7·9	7·0	292	..	..	..	..	27	4·1	1·6	314	28	6·0	3·0	109	16	8·3	6·5	320	27	8·2	7·0	277
2·0 " "	27	9·5	8·5	283	..	..	..	..	27	4·9	2·5	299	27	5·3	3·6	92	15	9·6	7·7	312	27	11·3	10·4	276
2·5 " "	27	11·0	9·6	282	24	5·1	1·8	150	26	5·2	2·6	287	26	4·8	3·5	73	15	10·1	8·3	293	21	13·9	13·1	276
3·0 " "	27	12·9	11·3	277	25	5·9	1·2	197	25	6·1	3·9	276	25	4·5	2·8	81	15	10·9	9·6	281	21	16·5	15·9	284
3·5 " "	27	15·8	14·3	272	25	6·4	1·7	229	24	7·3	5·6	269	20	5·5	1·5	135	15	11·8	11·0	275	16	17·6	16·9	288
4·0 " "	27	18·7	17·6	268	23	8·3	4·1	254	23	9·7	8·1	266	19	5·6	1·5	211	15	13·9	13·3	272	14	17·0	16·1	286
4·5 " "	24	21·6	21·0	273	14	8·7	5·7	263	22	12·0	10·5	262	19	5·5	2·1	248	15	16·5	15·9	266	13	18·1	17·7	282
5·0 " "	24	24·8	24·0	274	12	10·4	9·1	261	20	15·1	13·3	263	16	6·3	3·6	259	14	20·2	19·5	264	11	17·5	16·9	275
6·0 " "	22	28·9	27·7	276	8	13·6	11·9	264	15	22·4	20·9	267	14	8·3	7·1	275	10	23·5	22·9	265	8	20·9	20·2	276
7·0 " "	14	33·4	32·4	271	1	17·5	17·5	280	7	29·0	26·8	275	11	10·5	8·2	279	5	26·3	25·3	269	1	22·5	22·5	265
8·0 " "	9	36·4	34·3	266	1	30·5	30·5	270	5	29·7	26·4	270	10	14·3	11·4	279	2	23·3	23·1	268	..	..	..	..
9·0 " "	6	37·8	34·7	258	1	34·5	34·5	280	2	32·7	31·7	268	3	10·3	7·6	254	..	..	..	..	..	..	..	..
10·0 " "	3	41·7	41·2	250	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
11·0 " "	1	62·0	62·0	260	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
12·0 " "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
13·0 " "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
14·0 " "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
15·0 " "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

n = Number of flights.
V = Velocity of wind, regardless of direction, metres per second.
v = Velocity of resultant wind, taking account of direction, metres per second.
L = Direction of resultant wind, North wind = 0° or 360°, East wind = 90°.

and velocity of upper winds, February 1927—contd.

Quetta.				Peshawar.				Poona.				Drigh Road (Karachi).				Port Blair.								Madras.			
Height above sea 1·68 Km.				Height above sea 0·35 Km.				Height above sea 0·55 Km.				Height above sea 0·01 Km.				Height above sea 0·04 Km.								Height above sea 0·01 Km.			
																Morning.				Evening.							
n	V	v	L	n	V	v	L	n	V	v	L	n	V	v	L	n	V	v	L	n	V	v	L	n	V	v	L
25	1·6	0·2	192	28	1·1	Calm.	338	28	1·7	1·0	242	28	2·4	1·4	18	27	2·7	1·4	13	25	5·8	4·3	46	28	0·4	0·1	93
25	3·9	1·1	258	28	2·3	0·9	35	27	3·6	0·5	336	28	7·0	3·1	351	27	4·3	3·3	42	25	5·6	4·1	61	27	5·6	1·4	155
25	4·7	2·0	267	28	2·8	1·6	355	27	5·4	0·7	62	28	8·0	3·4	335	27	5·5	4·3	62	25	5·8	4·4	50	27	6·3	2·3	136
..	..	..	..	28	2·1	0·7	44	..	..	..	..	28	8·0	3·4	335	27	5·5	4·3	62	25	5·8	4·4	50	27	6·3	2·3	136
..	..	..	..	28	3·3	2·3	344	..	..	..	..	27	6·7	3·1	301	25	5·6	3·9	77	24	6·0	3·9	63	27	5·5	3·1	110
..	..	..	..	28	4·0	2·7	333	28	5·9	1·0	238	26	6·9	4·2	277	25	5·6	3·5	82	21	5·1	3·6	79	26	6·1	4·3	91
25	4·1	1·2	266	28	4·4	1·6	314	28	6·4	4·3	236	26	8·5	6·7	275	25	5·5	3·1	92	20	5·4	3·7	87	25	6·3	3·7	63
24	6·2	4·3	276	26	4·8	1·1	310	28	8·0	6·4	230	24	10·0	8·0	271	25	5·1	2·5	77	19	5·7	3·0	75	23	5·1	3·1	30
22	9·5	7·8	284	25	4·1	1·7	293	28	9·0	7·5	236	23	11·4	9·7	276	24	5·4	2·3	55	17	5·3	2·4	82	23	4·5	2·1	16
21	11·9	10·3	286	25	4·8	3·0	267	27	9·8	8·1	257	22	13·1	12·2	276	24	5·5	1·9	55	14	5·6	1·7	77	22	4·1	0·9	26
20	15·0	13·7	290	25	5·5	3·5	257	27	10·9	9·4	268	21	15·8	14·8	278	23	5·6	1·2	61	14	6·3	1·0	68	22	4·5	0·6	260
18	16·8	15·5	287	24	6·3	5·3	264	27	12·0	11·1	273	21	19·5	18·2	275	23	6·1	0·2	2	13	6·7	0·7	159	22	5·3	2·1	251
14	18·9	17·5	286	23	8·2	7·2	273	27	13·3	12·6	278	20	22·0	20·5	275	23	7·0	0·9	228	11	7·2	0·7	179	21	6·4	3·6	257
9	20·6	18·6	268	22	13·5	12·3	275	26	18·3	17·1	272	17	24·8	23·2	275	23	6.6	2·0	265	7	7·1	2·8	191	19	8·1	5·9	282
3	20·3	20·0	273	20	18·1	17·0	272	15	22·7	22·2	276	14	28·3	26·9	273	20	8·5	2·1	263	4	5·7	2·6	159	14	10·6	8·6	298
..	..	..	..	13	26·5	24·8	275	9	26·8	26·2	274	9	35·4	34·3	276	16	10·6	4·1	311	4	7·5	2·2	257	12	11·5	7·9	295
..	..	..	..	9	37·5	36·5	2 0	3	32·3	31·8	274	6	46·9	44·3	280	12	7·5	3·7	304	4	7·1	5·9	280	11	13·8	10·7	303
..	..	..	..	4	41·6	41·2	278	..	..	..	..	2	30·3	29·8	271	10	5·4	1·9	213	2	4·0	3·9	239	9	10·3	8·8	273
..	..	..	..	1	72·5	72·5	285	..	..	..	..	2	49·3	49·3	262	9	4·4	3·0	195	1	6·5	6·5	270	6	11·9	8·9	270
..	..	..	..	..	..	..	..	..	..	..	..	1	57·0	57·0	265	7	5·7	3·0	172	1	10·5	10·5	265	4	9·1	7·6	275
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	11·0	11·0	255	1	7·0	7·0	220	1	3·5	3·5	275
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	6·0	6·0	295	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

TABLE 15.—*Monthly means of direction*

Height in Km.	Agra.				Simla.				Lahore.				Bangalore.				Akyab.				Diamond Harbour (Calcutta).			
	Height above sea 0·17 Km.				Height above sea 2·13 Km.				Height above sea 0·21 Km.				Height above sea 0·92 Km.				Height above sea 0·01 Km.				Height above sea 0·01 Km.			
	n	V	v	L	n	V	v	L	n	V	v	L	n	V	v	L	n	V	v	L	n	V	v	L
Ground level	31	2·5	1·0	248	29	2·1	0·4	47	31	0·5	0·2	93	31	3·2	1·4	180	28	3·9	3·1	31	31	1·2	0·8	193
0·2 above Ground	31	7·8	4·4	311	29	7·2	3·5	347	31	6·9	2·1	7	31	5·0	2·8	189	29	4·5	3·8	360	31	7·0	4·4	235
0·5 „ „	31	8·7	6·1	313	28	6·4	2·7	308	31	6·9	1·7	349	31	5·4	3·5	168	28	5·3	4·7	342	31	7·5	4·9	256
0·5 above Sea	31	8·8	5·2	319	..	..	..	..	31	7·0	1·9	359	..	..	..	..	28	5·3	4·7	342	..	..	..	..
1·0 „ „	31	8·2	6·5	308	..	..	..	..	31	6·1	1·7	332	..	..	..	..	29	6·2	5·3	333	31	6·4	4·6	273
1·5 „ „	31	8·4	7·3	292	..	..	..	..	31	5·9	2·9	304	31	5·3	3·8	162	29	8·1	6·4	320	30	7·3	6·1	285
2·0 „ „	30	9·8	8·7	288	..	..	..	..	31	6·6	3·6	289	31	5·3	4·7	108	30	9·1	7·2	305	28	9·1	8·4	289
2·5 „ „	30	10·5	9·4	287	28	6·5	2·9	320	31	7·2	4·9	279	30	6·5	6·1	71	29	9·9	8·1	299	28	11·2	10·5	290
3·0 „ „	30	11·8	10·3	284	28	6·6	3·5	298	30	8·1	5·9	278	30	7·7	7·1	58	28	10·7	9·3	290	27	13·4	12·3	290
3·5 „ „	29	12·7	11·2	281	27	8·3	4·5	290	30	9·3	7·5	265	30	8·4	7·4	60	26	11·2	9·9	281	22	14·9	13·7	293
4·0 „ „	29	14·3	12·3	280	25	10·5	6·7	284	30	10·8	9·0	265	29	8·6	7·2	67	24	11·9	11·0	283	21	15·9	15·0	290
4·5 „ „	29	16·9	15·2	279	19	10·7	8·8	277	29	12·6	10·8	272	28	7·4	5·5	85	23	13·3	12·7	280	21	17·0	16·1	284
5·0 „ „	29	19·7	18·3	277	15	12·2	10·7	272	25	13·8	12·4	276	24	6·9	4·5	102	20	13·9	13·4	278	20	18·7	17·8	280
6·0 „ „	27	26·9	25·2	274	10	18·3	17·7	270	22	20·1	18·9	270	19	7·4	5·6	86	11	16·3	15·1	277	16	23·2	22·0	277
7·0 „ „	20	33·4	32·1	270	2	20·5	20·2	281	13	24·9	23·1	269	12	10·7	9·8	81	5	17·2	15·3	264	4	27·3	26·1	281
8·0 „ „	13	41·2	40·7	269	..	..	..	..	6	22·8	20·4	272	5	9·5	9·1	104	2	15·7	15·5	281	..	..	..	..
9·0 „ „	5	48·2	47·4	270	..	..	..	..	4	28·9	28·8	269	1	5·5	5·5	145	..	..	..	..	..	..	..	..
0·0 „ „	1	62·5	62·5	260	..	..	..	..	2	41·3	37·1	275	1	11·0	11·0	125	..	..	..	..	..	..	..	..
11·0 „ „	..	..	..	..	..	..	..	..	..	..	..	..	1	15·0	15·0	105	..	..	..	..	..	..	..	..
12·0 „ „	..	..	..	..	..	..	..	..	..	..	..	..	1	17·0	17·0	100	..	..	..	..	..	..	..	..
13·0 „ „	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
14·0 „ „	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
15·0 „ „	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
16·0 „ „	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
17·0 „ „	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

n = Number of flights.
V = Velocity of wind, regardless of direction, metres per second.
v = Velocity of resultant wind, taking account of direction, metres per second.
L = Direction of resultant wind, North wind = 0° or 360°, East wind = 90°.

and velocity of upper winds, Ma ·ch 1927—contd.

Quetta.				Peshawar.				Poona.				Drigh Road (Karachi).				Port Blair.								Madras.			
Height above sea 1·68 Km.				Height above sea 0·35 Km.				Height above sea 0·58 Km.				Height above sea 0·01 Km.				Height above sea 0·04 Km.								Height above sea 0·01 Km.			
																Morning.				Evening.							
n	V	v	L	n	V	v	L	n	V	v	L	n	V	v	L	n	V	v	L	n	V	v	L	n	V	v	L
30	2·2	1·4	281	31	1·1	0·6	212	29	1·1	0·9	215	31	2·3	1·1	278	30	2·2	0·7	342	25	4·7	3·7	54	31	0·7	0·3	171
31	4·9	2·7	259	31	2·9	1·4	314	29	3·2	1·3	315	31	6·5	3·5	294	30	3·5	3·0	40	25	4·8	4·4	55	31	5·1	3·7	179
31	5·5	3·3	267	31	3·6	2·4	328	29	5·1	2·7	15	31	7·8	5·1	301	30	3·6	2·6	66	25	4·6	3·8	48	31	5·9	4·3	165
..	..	..	..	31	2·8	1·2	306	..	..	..	..	31	7·8	5·1	301	30	3·6	2·6	66	25	4·6	3·8	48	31	5·9	4·3	165
..	..	..	..	31	3·9	2·6	324	..	..	..	..	31	7·7	5·0	302	30	3·6	2·5	88	24	4·4	3·0	52	31	5·4	4·2	188
..	..	..	..	30	5·3	3·7	308	29	5·6	1·9	311	31	6·8	4·8	291	29	4·3	3·3	96	24	4·6	3·3	78	30	5·5	4·7	102
31	5·2	3·1	262	30	6·7	4·0	290	29	5·1	3·2	242	30	6·9	4·9	282	28	4·8	3·8	89	24	4·6	3·5	85	30	6·7	6·0	7
30	6·0	4·0	275	30	7·7	4·4	278	29	5·7	4·8	213	30	8·2	7·3	285	28	5·1	4·3	92	23	5·1	4·1	96	30	7·9	6·7	60
29	8·7	6·7	282	30	8·4	5·4	263	28	7·0	5·9	211	29	10·8	9·7	282	27	4·7	3·9	96	23	5·7	4·7	105	30	8·0	6·1	58
29	11·4	9·3	286	28	8·5	5·8	264	28	7·6	4·7	222	28	13·1	11·9	282	27	4·9	4·2	99	21	5·8	4·1	98	30	7·2	5·5	54
26	14·7	12·5	290	27	9·1	6·3	264	28	7·5	4·4	262	28	15·1	13·6	279	27	4·9	4·1	100	20	5·2	3·9	89	30	6·6	5·0	68
22	17·8	15·3	291	26	11·3	8·8	265	26	7·8	5·1	282	27	17·5	15·7	275	27	4·9	4·2	94	19	4·9	3·9	103	30	6·4	4·8	78
16	20·1	17·3	285	26	13·4	10·8	270	25	7·7	6·3	295	27	19·0	17·2	274	26	6·0	4·9	97	17	5·6	4·7	97	29	6·4	5·1	86
6	22·2	20·5	289	24	16·6	13·8	276	21	8·1	7·1	288	23	23·0	20·7	273	25	7·2	5·7	85	11	7·4	6·3	77	29	6·8	5·4	81
2	28·7	28·1	267	18	21·0	17·9	279	22	9·3	7·8	288	16	28·8	25·3	269	22	8·0	6·9	84	6	8·7	8·3	75	20	7·4	5·9	88
..	..	..	..	15	28·2	22·[illegible]	279	20	9·8	8·0	2[illegible]0	12	34·1	32·6	269	16	9·5	8·8	78	6	10·3	9·8	81	14	6·7	5·6	89
..	..	..	..	12	32·8	28·1	278	20	11·1	9·2	268	7	39·5	37·5	270	12	8·6	8·2	74	2	9·7	8·4	82	11	7·9	5·6	88
..	..	..	..	9	45·9	42·6	277	18	11·6	10·7	258	3	46·7	45·1	266	7	7·1	6·1	85	1	7·5	7·5	20	8	6·9	4·3	95
..	..	..	..	4	56·5	54·7	270	12	11·7	11·0	247	1	36·5	36·5	285	4	8·9	7·6	86	1	2·5	2·5	350	7	9·1	7·2	09
..	..	..	..	2	58·0	58·0	260	3	11·8	11·7	243	..	..	..	..	..	..	..	..	1	[illegible]·0	3·0	315	4	9·6	9·5	9[illegible]
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1·5	1·5	280	3	11·7	11·0	99
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	7·5	7·5	165	1	14·5	14·5	05
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		..	..	..	1	16·0	16·0	100
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	

TABLE 15.—*Monthly means of direction*

Height in Km.	Agra.				Simla.				Lahore.				Bangalore.				Akyab.				Diamond Harbour (Calcutta).			
	Height above sea 0·17 Km.				Height above sea 2·13 Km.				Height above sea 0·21 Km.				Height above sea 0·92 Km.				Height above sea 0·01 Km.				Height above sea 0·01 Km.			
	n	V	v	L	n	V	v	L	n	V	v	L	n	V	v	L	n	V	v	L	n	V	v	L
Ground level	30	2·3	1·4	262	29	1·8	0·9	4	30	0·6	0·5	2	30	3·7	2·9	244	21	3·7	1·1	179	30	2·4	2·1	190
0·2 above Ground		6·7	3·4	313	29	4·4	1·9	330	30	6·8	3·4	26	30	4·9	3·6	249	27	4·2	1·9	219	30	8·9	8·1	207
0·5 " "	30	6·7	3·4	316	29	4·4	2·5	309	30	6·7	2·4	13	30	5·0	1·7	221	28	4·7	2·6	234	30	8·5	7·4	222
0·5 above Sea	30	7·2	3·5	326	..	..	..	..	30	6·8	3·1	23	..	..	..	..	28	4·7	2·6	234	30	8·5	7·4	222
1·0 " "	30	6·3	3·9	312	..	..	..	..	30	5·7	2·0	358	..	..	..	..	27	5·3	3·2	250	29	6·4	4·6	268
1·5 " "	30	7·0	5·6	296	..	..	..	..	30	5·0	2·5	325	30	5·0	1·1	197	25	5·5	3·8	276	28	5·9	4·6	296
2·0 " "	30	8·3	7·1	291	..	..	..	..	30	5·2	3·1	304	30	6·3	4·3	94	25	7·4	4·8	287	27	6·5	5·7	299
2·5 " "	29	9·1	8·3	283	29	4·8	2·3	313	30	6·7	4·6	300	27	8·1	7·2	72	24	8·7	6·2	295	24	8·5	7·7	294
3·0 " "	29	10·2	9·2	279	29	4·9	3·2	303	29	8·0	6·0	295	26	9·1	8·4	55	21	8·5	7·3	308	24	10·9	10·3	292
3·5 " "	29	10·6	9·6	279	28	5·4	3·2	299	29	8·8	6·8	287	24	10·3	9·8	44	18	7·9	7·1	319	22	13·1	12·3	294
4·0 " "	27	12·7	11·4	276	26	5·8	3·4	297	28	8·9	7·1	290	24	10·9	10·4	46	15	7·5	7·0	317	20	14·9	14·3	295
4·5 " "	25	14·5	13·4	274	21	7·8	4·2	279	28	9·7	7·6	292	22	10·7	9·7	55	14	8·5	8·0	307	19	15·4	14·9	294
5·0 " "	24	15·8	14·9	274	19	9·2	5·4	278	28	10·4	7·8	289	18	8·9	7·4	66	13	10·5	10·2	295	19	15·9	15·4	293
6·0 " "	24	20·5	19·9	272	8	9·4	8·3	248	21	13·1	9·5	281	13	7·8	5·8	41	7	12·6	12·3	288	14	15·7	15·0	284
7·0 " "	14	20·9	20·4	267	4	10·4	10·3	243	17	15·9	11·8	279	6	6·6	5·6	20	2	17·3	16·2	283	5	18·1	17·3	273
8·0 " "	7	22·7	21·5	262	3	17·0	16·6	251	12	15·2	11·1	289	5	9·0	6·8	12	..	..	..	..	1	23·0	23·0	275
9·0 " "	3	30·5	30·3	263	1	27·5	27·5	260	7	14·4	7·1	292	3	11·3	10·5	338	..	..	..	..	..	..	..	..
10·0 " "	..	..	..	..	1	32·0	32·0	255	6	20·3	14·5	273	2	6·7	6·7	290	..	..	..	..	..	..	..	..
11·0 " "	..	..	..	..	..	..	..	..	3	17·8	13·1	267	2	12·5	12·4	277	..	..	..	..	..	..	..	..
12·0 " "	..	..	..	..	..	..	..	..	3	20·2	13·9	274	2	15·0	14·9	267	..	..	..	..	..	..	..	..
13·0 " "	..	..	..	..	..	..	..	..	2	18·5	13·0	277	1	17·0	17·0	270	..	..	..	..	..	..	..	..
14·0 " "	..	..	..	..	..	..	..	..	1	8·5	8·5	55	..	..	..	..	..	..	..	..	..	..	..	..
15·0 " "	..	..	..	..	..	..	..	..	1	6·0	6·0	15	..	..	..	..	..	..	..	..	..	..	..	..
16·0 " "	..	..	..	..	..	..	..	..	1	6·0	6·0	15	..	..	..	..	..	..	..	..	..	..	..	..
17·0 " "	..	..	..	..	..	..	..	..	1	5·0	5·0	360	..	..	..	..	..	..	..	..	..	..	..	..
18·0 " "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
19·0 "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

n = Number of flights.
V = Velocity of wind, regardless of direction, metres per second.
v = Velocity of resultant wind, taking account of direction, metres per second.
L = Direction of resultant wind, North wind = 0° or 360°, East wind = 90°.

and velocity of upper winds, April 1927—contd.

Quetta.				Peshawar.				Poona.				Deigh Road (Karachi).				Port Blair.								Madras.			
																Height above sea 0·04 Km.											
Height above sea 1·68 Km.				Height above sea 0·35 Km.				Height above sea 0·58 Km.				Height above sea 0·01 Km.				Morning				Evening.				Height above sea 0·01 Km.			
n	V	v	L	n	V	v	L	n	V	v	L	n	V	v	L	n	V	v	L	n	V	v	L	n	V	v	L
28	1·1	0·9	223	30	0·7	0·2	242	30	1·1	0·9	248	30	3·2	2·9	261	30	1·3	0·7	301	20	2·7	0·8	164	30	1·4	1·3	199
30	3·7	1·9	217	30	3·4	2·1	327	30	4·2	2·7	292	30	8·2	7·6	273	30	3·1	0·7	319	20	4·3	0·3	83	30	7·5	7·1	198
30	4·6	2·3	258	30	3·3	2·4	338	30	16·5	4·5	339	30	10·6	10·[illegible]	287	30	3·7	0·1	184	20	3·9	0·6	327	30	8·9	8·0	200
..	..	..	..	30	3·2	1·8	314	..	..	..	..	30	10·6	10·1	281	30	3·7	0·1	184	20	3·9	0·6	327	30	8·9	8·0	200
..	..	..	..	30	3·6	2·7	340	..	..	..	..	30	10·6	9·8	290	30	4·1	1·3	139	17	3·5	1·5	285	30	6·3	4·9	183
..	..	..	..	30	3·6	2·5	324	30	7·7	5·1	331	30	9·7	8·8	289	30	4·7	2·5	109	16	3·4	1·6	80	30	5·2	3·4	119
30	3·9	1·9	238	30	4·4	1·8	317	30	6·4	3·7	300	30	9·6	8·4	285	30	6·4	3·7	83	17	5·5	4·2	78	30	7·1	6·1	84
30	6·0	3·1	276	30	5·4	2·8	286	30	5·1	2·4	252	29	9·8	8·7	280	30	6·9	4·4	76	17	6·1	4·5	69	30	9·1	7·9	64
30	6·6	4·1	279	30	6·7	3·8	279	30	5·4	2·8	200	29	11·7	9·9	281	30	7·1	4·2	80	16	5·7	3·5	54	30	10·2	9·1	51
28	7·6	4·9	275	30	7·5	4·7	272	30	5·5	3·5	201	27	12·9	10·3	277	30	6·7	3·4	83	14	6·9	3·0	33	29	10·8	9·6	50
26	9·3	5·9	283	29	8·0	5·3	276	30	5·4	3·1	220	26	14·2	11·5	276	29	6·3	3·3	79	11	5·7	3·9	22	29	10·7	9·3	51
24	10·9	7·8	285	27	8·5	6·2	275	30	5·2	3·2	257	23	14·4	12·5	272	27	6·5	2·8	63	6	4·2	2·9	22	29	10·2	8·6	59
18	10·1	7·0	273	26	8·8	6·3	279	30	5·6	4·2	282	21	14·7	13·0	267	27	7·3	3·2	54	6	4·6	3·9	19	29	9·2	7·8	69
14	10·9	6·4	262	22	11·0	7·0	279	28	8·4	7·0	277	21	18·3	16·8	265	22	8·8	4·9	35	5	6·1	5·9	1	21	7·7	5·6	62
7	9·6	4·8	287	17	12·6	6·6	290	24	11·0	9·5	273	14	17·8	16·8	265	18	9·5	4·3	355	3	8·0	7·9	349	12	7·8	5·1	46
6	12·7	9·1	277	14	13·7	6·7	302	22	12·9	11·4	274	10	18·7	17·7	271	16	9·0	3·4	333	3	12·0	11·8	347	10	10·5	5·7	2
2	9·7	9·5	289	10	14·5	10·8	294	20	16·5	14·7	278	7	17·6	16·1	273	11	9·5	6·1	334	1	13·0	13·0	10	7	10·2	6·9	16
1	14·5	14·5	270	6	14·5	3·3	313	12	18·7	17·4	279	5	16·4	15·5	285	10	13·3	8·6	326	1	14·5	14·5	355	3	8·5	6·3	358
..	..	..	..	3	9·8	8·0	309	3	15·7	15·2	283	2	27·3	26·4	276	6	10·8	6·9	264	..	..	..	..	2	12·0	9·7	343
..	..	..	..	2	15·3	13·5	290	..	..	..	..	..	..	..	..	1	7·0	7·0	315	..	..	..	..	1	2·5	2·5	90
..	..	..	..	2	8·5	8·1	286	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	4·0	4·0	10
..	..	..	..	2	7·7	7·3	280	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	3·0	3·0	300
..	..	..	..	1	3·0	3·0	230	..	..	..	..	..	..	..		..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	1	4·5	4·5	235	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	1	3·5	3·5	265	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

TABLE 15.—*Monthly means of direction*

Height in Km.	Agra.				Simla.				Lahore.				Bangalore.				Akyab.				Diamond Harbour (Calcutta).			
	Height above sea 0·17 Km.				Height above sea 2·13 Km.				Height above sea 0·21 Km.				Height above sea 0·92 Km.				Height above sea 0·01 Km.				Height above sea 0·01 Km.			
	n	V	v	L	n	V	v	L	n	V	v	L	n	V	v	L	n	V	v	L	n	V	v	L
Ground level	31	2·7	0·6	22	31	2·3	1·3	4	30	0·5	0·3	68	31	5·3	4·9	268	22	4·0	2·8	56	31	1·7	1·4	181
0·2 above Ground	31	7·4	1·1	323	31	5·6	3·4	341	29	5·8	2·1	53	31	6·8	6·3	272	28	3·8	0·8	92	31	7·5	6·4	196
0·5 ,, ,,	31	8·1	1·8	315	31	5·0	3·4	303	29	6·4	2·1	28	31	7·1	6·1	286	28	3·7	0·7	233	31	8·1	7·1	210
0·5 above Sea	31	8·0	1·2	315	..	..	..	..	29	6·4	2·1	49	..	..	..	..	28	3·7	0·7	233	31	8·1	7·1	210
1·0 ,, ,,	31	7·4	3·0	310	..	..	..	..	29	6·1	2·9	16	..	..	..	..	28	4·0	1·2	226	25	6·9	4·6	230
1·5 ,, ,,	30	6·6	4·9	296	..	..	..	..	29	5·2	2·9	347	31	6·9	5·6	292	26	4·2	1·1	293	24	5·8	2·8	266
2·0 ,, ,,	30	7·6	6·3	290	..	..	..	..	29	5·1	3·0	322	29	5·8	3·9	345	26	5·3	1·5	330	24	5·7	3·9	313
2·5 ,, ,,	30	9·3	8·4	393	31	4·6	2·7	329	29	6·2	4·1	303	27	6·1	4·6	34	22	6·6	2·7	331	23	7·7	6·5	328
3·0 ,, ,,	29	10·3	9·4	294	30	5·2	3·9	300	29	7·1	5·4	293	26	7·5	6·6	44	22	6·8	3·0	326	23	9·5	8·7	326
3·5 ,, ,,	24	11·1	10·0	295	29	7·0	4·4	299	27	8·1	6·5	295	26	9·0	7·8	43	19	7·4	2·1	323	22	11·8	10·8	322
4·0 ,, ,,	23	10·9	9·7	294	27	7·6	5·2	301	26	9·1	7·4	299	26	9·7	8·7	47	16	7·1	3·6	290	21	12·8	11·2	323
4·5 ,, ,,	22	11·5	10·1	292	22	8·1	6·1	306	25	10·8	9·6	298	24	9·6	8·4	55	14	7·3	5·0	285	18	13·1	11·5	322
5·0 ,, ,,	19	12·1	10·7	294	20	9·6	6·9	304	25	11·7	10·5	298	21	8·6	7·3	61	14	8·3	5·0	277	13	9·1	7·7	316
6·0 ,, ,,	15	15·0	13·0	296	12	8·9	6·3	280	16	10·9	8·7	291	17	7·9	5·7	49	11	7·6	5·8	246	12	7·1	5·4	292
7·0 ,, ,,	10	17·5	15·7	299	9	10·8	8·7	260	10	10·1	8·0	297	8	7·2	3·7	18	8	8·7	7·4	261	6	5·7	4·9	275
8·0 ,, ,,	7	19·9	16·6	290	4	11·3	8·5	259	8	10·9	8·1	294	3	12·0	10·7	355	6	7·7	6·5	243	4	10·9	10·8	253
9·0 ,, ,,	3	18·2	17·3	306	2	15·7	15·7	264	6	11·1	8·4	291	1	10·0	10·0	340	3	8·0	7·0	210	2	11·3	11·0	255
10·0 ,, ,,	2	22·7	22·7	297	2	25·7	25·7	267	5	15·0	12·2	274	1	10·5	10·5	350	3	9·0	7·9	209	2	13·3	13·3	240
11·0 ,, ,,	..	..	..	..	1	31·0	31·0	270	2	24·3	23·9	273	..	..	..	..	3	11·7	10·0	205	2	12·5	12·5	236
12·0 ,, ,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	8·0	8·0	225
13·0 ,, ,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
14·0 ,, ,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
15·0 ,, ,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
16·0 ,, ,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
17·0 ,, ,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
18·0 ,, ,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
19·0 ,, ,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
20·0 ,, ,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

n = Number of flights.
V = Velocity of wind, regardless of direction, metres per second.
v = Velocity of resultant wind, taking account of direction, metres per second.
L = Direction of resultant wind, North wind = 0° or 360°, East wind = 90°.

and velocity of upper winds, May 1927—contd.

Quetta.				Peshawar.				Poona.				Drigh Road (Karachi).				Port Blair.								Madras.			
																Height above sea 0·04 Km.											
Height above sea 1·68 Km.				Height above sea 0·35 Km.				Height above sea 0·58 Km.				Height above sea 0·01 Km.				Morning.				Evening.				Height above sea 0·01 Km.			
n	V	v	L	n	V	v	L	n	V	v	L	n	V	v	L	n	V	v	L	n	V	v	L	n	V	v	L
31	0·6	0·6	322	31	0·6	0·1	243	31	2·2	2·0	238	31	4·5	4·2	252	26	3·1	2·0	219	14	4·5	2·6	195	31	1·8	1·2	236
31	3·4	1·6	287	31	3·3	2·0	3	31	5·9	5·5	275	31	8·6	7·8	256	26	7·9	5·8	235	14	8·3	4·3	211	31	8·7	6·8	234
31	5·3	3·8	296	31	3·9	2·7	349	31	8·6	7·1	300	31	9·6	8·9	282	26	9·2	7·1	237	14	7·0	3·3	218	31	10·4	7·8	249
..	..	..	..	31	3·0	1·7	9	..	..	..	..	..	9·6	8·9	282	26	9·2	7·1	237	14	7·0	3·3	218	31	10·4	7·8	249
..	..	..	..	31	4·4	3·0	341	..	..	..	..	30	9·1	8·1	296	20	9·0	5·9	241	12	8·3	3·4	229	30	7·9	4·7	2 62
..	..	..	..	31	5·3	3·6	315	31	9·6	7·8	326	27	7·1	6·2	302	19	8·5	5·1	240	10	6·3	2·7	274	30	4·9	2·0	287
31	4·0	2·6	289	31	5·9	4·8	308	31	6·9	5·9	335	27	6·5	6·0	304	17	7·6	3·5	236	8	6·9	2·1	304	30	4·7	2·4	23
31	7·1	5·9	300	31	6·4	5·6	306	31	5·2	2·0	334	27	6·2	5·2	309	15	7·6	3·1	214	6	6·4	1·6	297	29	6·3	5·3	31
31	8·8	8·1	300	30	6·9	5·9	298	31	4·9	0·5	83	27	6·3	5·2	311	13	7·4	3·4	189	4	4·7	2·3	26	29	7·7	7·0	32
29	9·1	8·7	302	29	7·2	5·8	293	30	5·5	1·0	172	27	6·9	5·5	315	12	7·4	3·2	194	4	5·5	2·6	23	29	8·6	7·5	32
28	10·9	10·0	298	29	7·5	5·7	200	29	5·5	1·9	188	24	7·1	5·5	321	11	8·0	2·9	204	4	6·6	1·8	110	29	9·1	8·1	31
25	11·9	11·3	301	26	7·8	6·4	294	28	5·6	1·2	268	22	7·0	5·5	319	10	6·5	2·1	201	2	8·7	8·5	139	29	8·4	7·5	35
21	12·1	10·9	298	26	8·5	7·2	292	27	5·9	3·4	327	21	8·0	6·1	315	8	4·8	2·4	93	1	8·0	8·0	130	29	7·7	6·9	37
18	11·4	10·0	299	22	9·4	7·5	297	24	8·0	6·9	332	19	10·2	8·8	295	7	5·5	3·4	136	..	..	..	..	28	7·4	5·4	49
15	11·5	9·2	305	18	12·2	9·3	293	19	9·3	7·7	324	16	13·5	12·0	285	5	3·9	3·3	179	..	..	..	..	17	6·3	4·3	64
10	14·1	11·3	315	13	11·3	8·6	300	14	8·1	6·2	310	15	16·8	15·8	274	2	6·7	6·7	189	..	..	..	..	15	7·5	6·0	60
5	12·4	10·0	337	10	11·1	7·3	303	11	5·6	3·0	305	6	23·7	22·9	266	..	..	..	..	..	..	..	..	13	7·6	6·2	73
3	8·5	7·7	341	9	15·2	11·1	293	7	4·2	2·6	173	4	26·3	25·5	265	..	..	..	..	..	..	..	..	12	7·7	6·3	66
2	6·3	5·9	289	5	18·3	5·2	310	6	4·7	2·9	170	2	31·3	31·1	238	..	..	..	..	..	..	..	..	9	9·0	7·7	78
2	8·3	8·3	296	1	10·0	10·0	350	4	5·0	2·5	217	..	..	..	..	..	..	..	..	..	..	..	..	6	11·1	9·8	88
2	12·5	12·5	272	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5	11·3	9·6	90
1	28·5	28·5	270	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4	10·5	8·8	110
..	..	..	..	..	..	..	..	..		..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	12·3	9·7	114
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	11·5	11·5	85
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	14·5	14·5	100
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	23·0	23·0	105
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	29·0	29·0	100
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	32·0	32·0	95

TABLE 15.—*Monthly means of direction*

Height in Km.	Agra. Height above sea 0·17 Km.				Simla. Height above sea 2·13 Km.				Lahore. Height above sea 0·21 Km.				Bangalore. Height above sea 0·92 Km.				Akyab. Height above sea 0·01 Km.				Diamond Harbour (Calcutta). Height above sea 0·01 Km.			
	n	V	v	L	n	V	v	L	n	V	v	L	n	V	v	L	n	V	v	L	n	V	v	L
Ground level	29	3·3	0·6	282	30	2·0	0·1	252	30	0·4	0·2	229	30	6·5	6·2	255	20	6·4	4·4	128	30	2·4	1·9	167
0·2 above Ground	30	7·6	3·3	295	30	4·9	2·9	316	30	5·3	0·5	229	30	9·4	8·8	263	26	5·9	4·7	149	30	8·5	6·4	181
0·5 ,, ,,	30	8·5	5·1	303	30	5·7	3·7	306	29	5·5	1·7	258	30	11·9	11·0	270	25	7·0	5·5	171	29	10·4	7·4	187
0·5 above Sea	30	8·3	4·0	299	..	..	..	..	30	5·5	1·0	254	..	..	..	..	25	7·0	5·5	171	29	10·4	7·4	187
1·0 ,, ,,	30	8·7	6·1	311	..	..	..	..	29	5·2	2·3	264	..	..	..	..	20	8·9	6·6	187	25	8·6	5·2	178
1·5 ,, ,,	28	9·1	6·9	317	..	..	..	..	28	4·2	2·5	288	23	12·8	12·0	274	18	8·1	5·9	188	23	6·6	2·6	201
2·0 ,, ,,	27	9·5	7·1	321	..	..	..	..	24	4·3	3·0	303	11	11·3	9·8	277	12	8·1	5·6	199	22	5·2	1·6	342
2·5 ,, ,,	26	9·4	7·2	322	30	5·5	3·6	313	22	4·2	3·2	312	7	8·7	7·3	307	9	6·9	4·2	182	21	5·[illegible]	2·7	12
3·0 ,, ,,	22	9·2	7·2	325	30	6·9	5·0	297	21	5·1	4·0	313	7	9·3	7·2	306	7	6·7	5·0	173	20	6·9	3·6	6
3·5 ,, ,,	21	8·9	7·8	323	29	6·5	4·4	298	20	5·7	4·6	310	5	9·4	4·5	296	6	7·4	5·4	157	17	6·6	3·0	13
4·0 ,, ,,	17	8·3	7·0	323	21	6·4	3·7	299	19	6·5	5·2	305	3	7·7	1·1	344	4	5·1	2·1	206	12	5·5	1·2	39
4·5 ,, ,,	16	8·3	6·8	308	15	4·7	2·2	263	19	7·3	5·9	309	3	7·2	3·0	344	4	5·0	2·7	181	12	5·4	1·2	67
5·0 ,, ,,	15	8·4	6·3	294	14	5·9	3·4	267	17	7·1	5·7	309	3	8·2	5·1	354	4	5·4	4·0	157	11	5·2	1·1	231
6·0 ,, ,,	12	9·1	5·9	274	9	7·8	5·0	268	15	8·7	6·5	283	3	8·3	4·0	25	4	5·6	5·5	127	8	6·5	0·7	247
7·0 ,, ,,	8	11·9	10·6	260	5	11·2	7·3	246	12	10·4	9·2	252	2	11·0	11·0	67	3	5·3	5·0	130	6	5·7	5·3	125
8·0 ,, ,,	4	15·6	14·4	255	2	17·7	17·7	254	10	16·7	16·0	249	1	17·0	17·0	85	2	6·3	6·2	106	3	5·5	5·4	118
9·0 ,, ,,	2	11·3	10·5	240	1	31·5	31·5	250	7	23·6	22·1	247	1	16·5	16·5	80	1	9·5	9·5	80	3	5·5	4·7	102
10·0 ,, ,,	1	7·0	7·0	230	..	..	..	..	3	26·0	25·6	242	..	..	..	..	1	8·0	8·0	85	2	5·7	5·5	113
11·0 ,, ,,	1	7·0	7·0	220	..	..	..	..	2	32·0	32·0	238	..	..	..	..	1	8·5	8·5	110	2	9·0	8·9	97
12·0 ,, ,,	1	9·0	9·0	235	..	..	..	..	..	..	..	..	..	..	..	..	1	13·5	13·5	105	..	..	..	..
13·0 ,, ,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	15·5	15·5	110	..	..	..	..
14·0 ,, ,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
15·0 ,, ,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

n = Number of flights.
V = Velocity of wind, regardless of direction, metres per second.
v = Velocity of resultant wind, taking account of direction, metres per second
L = Direction of resultant wind, North wind = 0° or 360°, East Wind = 90°.

and velocity of upper winds, June 1927—contd.

Quetta.				Peshawar.				Poona.				Drigh Road (Karachi).				Port Blair.				Madras.			
Height above sea 1·68 Km.				Height above sea 0·35 Km.				Height above sea 0·58 Km.				Height above sea 0·01 Km.				Height above sea 0·04 Km.				Height above sea 0·01 Km.			
n	V	v	L	n	V	v	L	n	V	v	L	n	V	v	L	n	V	v	L	n	V	v	L
30	1·0	0·5	274	30	0·8	0·2	64	30	2·5	2·2	246	30	4·5	4·2	253	30	2·7	2·5	228	30	2·6	2·4	255
30	3·3	2·0	200	30	3·2	1·8	14	30	6·2	6·1	258	30	9·1	8·5	248	30	9·1	8·8	236	30	9·2	8·7	263
30	3·1	1·5	226	30	3·6	2·2	353	30	7·6	7·1	262	30	9·3	9·0	262	30	11·9	11·5	239	30	11·4	10·8	276
..	..	..	..	30	3·1	1·6	10	..	..	..	..	30	9·3	9·0	262	30	11·9	11·5	239	30	11·4	10·8	276
..	..	..	..	30	3·9	2·3	344	..	..	..	..	27	8·1	7·1	262	24	11·6	11·8	245	30	11·7	10·7	286
..	..	..	..	30	4·2	2·3	320	27	9·1	7·8	269	22	5·9	3·9	259	21	10·6	10·1	245	30	9·4	8·5	285
30	8·0	1·8	211	30	3·9	2·3	304	23	6·8	3·9	282	20	5·0	2·4	292	21	10·3	9·7	248	29	7·3	6·4	277
30	4·1	2·3	267	30	4·1	3·0	289	19	5·5	0·6	21	20	4·9	2·9	337	18	9·2	8·6	252	27	6·7	5·0	277
29	5·9	5·0	298	29	4·6	3·5	286	16	4·8	2·6	83	18	4·8	2·6	7	15	8·4	8·0	261	26	7·4	4·6	276
29	6·5	5·9	293	29	5·3	4·2	281	15	5·5	3·5	99	18	5·1	3·1	27	12	8·1	7·5	257	24	7·7	4·9	280
27	7·3	6·2	289	29	5·7	4·4	279	13	6·0	4·6	103	16	6·3	4·3	58	10	7·9	6·5	260	23	7·3	3·0	280
27	8·6	6·3	286	26	6·0	4·7	280	11	5·9	3·6	95	16	6·8	4·8	67	9	9·3	7·5	261	19	6·3	2·1	280
22	7·1	4·6	278	24	6·9	5·5	277	9	5·4	2·2	79	16	6·3	3·2	58	7	10·0	6·9	259	18	5·7	2·4	284
16	7·3	6·1	286	20	9·1	7·8	287	6	3·5	1·1	111	16	8·3	2·3	305	3	12·0	5·2	247	17	6·1	1·3	239
11	7·7	7·2	290	16	11·9	10·2	287	4	4·6	3·2	97	14	6·1	4·0	260	1	9·5	9·5	20	14	7·3	3·5	104
7	14·6	14·0	287	11	10·2	8·5	281	3	4·3	4·1	57	13	8·1	4·9	273	1	8·0	8·0	50	14	8·0	4·9	92
3	20·2	19·6	289	7	17·0	15·2	272	1	5·5	5·5	100	11	11·0	6·9	292	..	..	..	..	9	8·9	8·3	87
1	25·0	25·0	280	5	15·3	12·6	271	1	5·0	5·0	85	5	7·0	6·1	278	..	..	..	..	7	10·1	9·2	89
..	..	..	..	3	24·0	18·7	279	1	2·0	2·0	80	5	8·5	7·3	261	..	..	..	..	7	12·6	10·9	96
..	..	..	..	1	29·0	29·0	275	..	..	..	..	4	9·1	8·4	259	..	..	..	..	6	15·3	12·4	95
..	..	..	..	1	33·0	33·0	265	..	..	..	..	3	9·2	8·5	255	..	..	..	..	5	18·4	14·0	93
..	..	..	..	..	..	..	..	..	..	..	..	3	10·7	9·4	261	..	..	..	..	2	19·7	8·8	100
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	11·0	11·0	290

TABLE 15.—*Monthly means of direction*

Height in Km.	Agra. Height above sea 0·17 Km.				Simla. Height above sea 2·13 Km.				Lahore. Height above sea 0·21 Km.				Bangalore. Height above sea 0·92 Km.				Akyab. Height above sea 0·01 Km.				Diamond Harbour (Calcutta). Height above sea 0·01 Km.			
	n	V	v	L	n	V	v	L	n	V	v	L	n	V	v	L	n	V	v	L	n	V	v	L
Ground level	31	3·1	13·3	132	26	1·7	0·7	13	31	1·1	0·7	101	31	6·5	6·3	262	17	6·6	4·2	174	29	2·4	1·0	148
0·2 above Ground	30	7·3	1·9	149	26	3·3	0·4	36	31	6·3	3·3	126	31	10·6	10·5	263	19	7·5	5·7	173	27	7·8	3·3	161
0·5 ,, ,,	30	7·9	1·3	168	26	3·1	0·4	333	31	6·2	2·8	156	22	14·0	13·8	271	19	8·6	7·1	190	26	9·1	4·2	175
0·5 above Sea	30	7·8	1·6	159	..	..	..	..	31	6·6	3·1	136	..	..	..	..	19	8·6	7·1	190	26	9·1	4·2	175
1·0 ,, ,,	31	7·4	1·0	144	..	..	..	..	31	5·4	2·5	175	..	..	..	..	13	8·2	7·3	210	20	7·8	3·6	191
1·5 ,, ,,	26	6·7	1·3	116	..	..	..	..	31	4·4	0·9	195	..	..	..	..	11	8·2	7·5	218	17	6·9	3·0	183
2·0 ,, ,,	23	7·0	2·0	91	..	..	..	..	27	4·4	0·3	189	5	17·7	17·3	285	9	7·4	6·5	219	12	5·4	2·1	129
2·5 ,, ,,	23	7·8	2·7	89	26	2·8	0·3	319	24	4·9	1·1	347	2	10·7	10·7	297	6	7·3	5·9	215	11	5·1	1·8	147
3·0 ,, ,,	21	8·1	3·3	92	22	4·3	1·1	329	23	5·5	1·9	341	1	14·0	14·0	305	6	7·2	5·9	219	11	5·2	2·5	149
3·5 ,, ,,	20	8·7	4·4	96	19	5·1	0·6	54	20	6·3	2·9	349	1	15·0	15·0	305	4	6·1	4·3	222	10	5·1	3·3	126
4·0 ,, ,,	16	6·7	2·6	92	16	4·6	1·4	116	20	6·7	3·2	357	..	..	..	..	3	7·7	5·2	225	9	6·2	4·2	120
4·5 ,, ,,	13	6·5	3·6	105	10	3·9	0·7	52	16	8·5	5·2	1	..	..	..	..	2	7·3	6·9	247	6	6·3	3·9	129
5·0 ,, ,,	12	6·8	3·9	111	10	3·7	0·9	48	13	8·9	5·3	9	..	..	..	..	1	2·5	2·5	250	6	6·3	4·6	124
6·0 ,, ,,	11	7·4	4·8	116	7	4·6	1·4	177	9	5·2	2·5	128	..	..	..	..	1	2·0	2·0	145	3	7·5	3·8	124
7·0 ,, ,,	7	7·7	6·6	106	5	5·7	1·8	287	7	6·1	1·9	150	..	..	..	..	..	..	..	..	..	..	..	..
8·0 ,, ,,	6	6·6	5·8	98	4	8·5	5·9	304	4	6·4	2·2	305	..	..	..	..	..	..	..	..	..	..	..	..
9·0 ,, ,,	5	8·9	7·7	97	1	10·0	10·0	300	3	7·3	4·2	330	..	..	..	..	..	..	..	..	..	..	..	..
10·0 ,, ,,	3	7·7	5·8	96	..	..	..	..	1	6·5	6·5	90	..	..	..	..	..	..	..	..	..	..	..	..
11·0 ,, ,,	1	7·5	7·5	130	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
12·0 ,, ,,	1	3·0	3·0	95	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
13·0 ,, ,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
14·0 ,, ,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
15·0 ,, ,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

n = Number of flights.
V = Velocity of wind, regardless of direction, metres per second.
v = Velocity of resultant wind, taking account of direction, metres per second.
L = Direction of resultant wind, North wind = 0° or 360 East wind = 90°.

and velocity of upper winds, July 1927—contd.

Quetta.				Peshawar.				Poona.				Drigh Road (Karachi).				Port Blair.				Madras.			
Height above sea 1·68 Km.				Height above sea 0·35 Km.				Height above sea 0·58 Km.				Height above sea 0·01 Km.				Height above sea 0·04 Km.				Height above sea 0·01 Km.			
n	V	v	L	n	V	v	L	n	V	v	L	n	V	v	L	n	V	v	L	n	V	v	L
31	1·4	1·1	194	31	0·9	0·8	20	31	3·4	3·0	240	30	5·6	5·3	255	31	3·7	3·5	228	31	2·9	2·6	267
31	4·2	3·4	178	31	3·8	2·5	9	31	9·7	9·5	258	21	10·0	9·7	254	31	9·9	9·8	231	31	9·3	8·8	262
31	2·8	1·7	176	31	3·0	1·1	24	31	12·3	12·1	240	27	11·3	10·6	264	31	12·4	10·1	235	31	11·6	11·0	271
..	..	..	..	31	3·7	2·5	15	..	..	..	..	27	11·3	10·6	264	31	12·4	10·1	235	31	11·6	11·0	271
..	..	..	..	31	2·7	0·2	11	..	..	..	..	21	8·2	6·2	230	23	12·0	11·9	241	31	12·9	12·4	243
..	..	..	..	31	2·9	1·5	200	15	14·5	14·2	236	15	5·9	2·5	355	19	10·3	10·1	243	31	15·3	14·9	239
31	3,3	2·5	174	31	3·3	1·2	216	4	11·4	10·4	272	13	7·7	4·6	9	16	10·5	9·9	242	29	14·0	13·7	290
31	3·6	1·3	251	31	3·8	1·4	291	3	9·8	7·4	279	11	8·3	6·3	8	14	8·7	7·7	241	25	12·7	12·4	2·8
30	5·6	3·7	312	31	4·8	2·9	309	1	3·0	3·0	125	10	10·7	8·3	15	12	8·3	6·3	241	22	12·0	11·8	285
29	7·0	5·1	330	29	5·3	4·2	322	1	3·0	3·0	140	9	13·3	10·4	23	12	8·4	6·3	232	18	12·3	11·9	283
28	7·7	5·5	351	29	5·7	4·6	328	1	2·5	2·5	160	8	14·4	8·7	31	11	8·5	5·6	233	16	12·0	11·5	279
23	7·3	4·6	26	29	6·3	4·9	325	1	1·5	1·5	145	8	15·9	13·7	34	10	7·5	4·7	229	13	13·0	12·5	282
17	8·4	6·0	55	29	6·3	4·8	313	..	..	..	..	5	13·6	12·6	55	9	6·1	3·2	210	12	12·0	11·6	283
7	8·5	4·5	60	22	6·8	4·3	298	..	..	..	..	4	19·6	17·6	62	7	5·5	3·3	197	11	7·4	7·2	285
5	10·5	5·5	30	14	8·1	5·7	297	..	..	..	..	1	5·0	5·0	95	2	6·3	5·9	212	5	4·7	3·7	270
2	10·3	9·9	322	9	10·4	7·3	305	..	..	..	..	1	3·5	3·5	90	1	3·0	3·0	80	4	6·5	1·5	25
..	..	..	..	6	8·3	4·2	268	..	..	..	..	1	5·5	5·5	60	1	2·5	2·5	235	2	7·3	7·2	92
..	..	..	..	5	9·0	6·0	222	..	..	..	..	1	3·0	3·0	55	..	..	..	..	2	13·0	12·9	102
..	..	..	..	3	8·3	7·2	279	..	..	..	..	1	5·0	5·0	110	..	..	..	..	2	18·5	18·5	92
..	..	..	..	2	14·0	14·0	253	..	..	..	..	1	8·5	8·5	80	..	..	..	..	2	21·0	20·3	78
..	..	..	..	2	18·5	18·3	251	..	..	..	..	1	12·0	12·0	65	..	..	..	..	1	26·0	26·0	95
..	..	..	..	1	13·0	13·0	270	..	..	..	..	1	15·5	15·5	75	..	..	..	..	..	..	..	..
..	..	..	..	1	13·0	13·0	260	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

TABLE 15.—*Monthly means of direction*

Heights in Km.	Agra. Height above sea 0·17 Km				Simla. Height above sea 2·13 Km.				Lahore. Height above sea 0·21 Km.				Bangalore. Height above sea 0·92 Km.				Akyab. Height above sea 0·01 Km.				Diamond Harbour (Calcutta). Height above sea 0·01 Km.			
	n	V	v	L	n	V	v	L	n	V	v	L	n	V	v	L	n	V	v	L	n	V	v	L
Ground level	30	2·2	0·6	225	17	2·2	0·7	5	31	0·5	0·3	153	31	5·4	4·9	255	6	5·0	1·0	121	31	1·8	0·8	140
0·2 above ground	29	5·9	2·1	238	15	3·1	0·4	93	29	5·5	3·0	200	31	8·2	7·9	266	22	6·9	5·9	170	29	6·6	3·2	172
0·5 ,, ,,	29	6·4	2·3	259	14	2·7	1·4	345	29	5·7	3·0	212	29	10·3	10·0	272	20	8·0	6·7	180	29	8·4	4·0	187
0·5 above sea	29	6·4	2·3	252	..	..	..	..	29	5·8	3·3	206	..	..	..	..	20	8·0	6·7	180	29	8·4	4·0	187
1·0 ,, ,,	29	6·5	1·9	271	..	..	..	..	29	4·9	2·1	210	..	..	..	..	18	8·8	6·1	185	26	7·8	2·9	193
1·5 ,, ,,	29	5·7	0·3	294	..	..	..	..	30	3·9	0·7	249	..	..	..	..	15	8·9	6·1	172	25	7·6	2·4	201
2·0 ,, ,,	26	5·7	1·4	90	..	..	..	..	30	3·7	1·1	336	3	11·0	10·9	276	12	8·2	5·3	176	25	7·6	2·2	193
2·5 ,, ,,	23	5·7	2·6	106	14	2·9	1·1	7	28	4·1	2·0	354	2	7·3	7·1	281	10	7·7	5·1	156	19	7·4	2·2	195
3·0 ,, ,,	15	4·5	1·5	129	14	3·5	0·8	6	27	4·9	2·9	351	1	7·5	7·5	280	9	8·3	6·3	144	16	7·6	2·8	160
3·5 ,, ,,	13	4·0	2·2	163	12	3·6	0·8	17	26	4·7	3·5	349	1	7·5	7·5	285	8	7·2	6·0	134	15	8·0	2·3	174
4·0 ,, ,,	13	4·0	1·9	183	9	3·8	1·1	114	25	5·2	3·4	349	1	11·0	11·0	280	7	7·3	6·1	121	11	7·2	3·9	128
4·5 ,, ,,	12	3·9	2·4	138	6	3·5	1·2	267	22	6·1	4·0	353	..	..	..	..	6	8·5	8·4	112	7	8·4	6·4	133
5·0 ,, ,,	11	3·9	1·3	132	5	2·8	1·2	235	22	6·3	3·9	348	..	..	..	..	5	9·5	9·4	106	7	8·1	7·2	126
6·0 ,, ,,	7	4·7	3·3	113	3	3·8	3·1	247	15	5·6	2·8	276	..	..	..	..	..	..	..	..	3	9·2	9·2	117
7·0 ,, ,,	4	5·4	4·1	134	3	7·3	6·1	234	7	7·7	5·8	252	..	..	..	..	..	..	..	..	1	6·0	6·0	125
8·0 ,, ,,	1	9·0	9·0	95	1	7·5	7·5	190	6	10·4	8·0	251	..	..	..	..	..	..	..	..	..	..	..	..
9·0 ,, ,,	1	13·5	13·5	120	1	7·5	7·5	205	3	8·0	5·6	273	..	..	..	..	..	..	..	..	..	..	..	..
10·0 ,, ,,	1	13·5	13·5	110	..	..	..	..	3	8·7	5·5	269	..	..	..	..	..	..	..	..	..	..	..	..
11·0 ,, ,,	1	16·5	16·5	105	..	..	..	..	2	15·5	13·4	239	..	..	..	..	..	..	..	..	..	..	..	..
12·0 ,, ,,	1	19·0	19·0	100	..	..	..	..	1	20·5	20·5	200	..	..	..	..	..	..	..	..	..	..	..	..
13·0 ,, ,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
14·0 ,, ,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

n = Number of flights.
V = Velocity of wind, regardless of direction, Metres per second.
v = Velocity of Resultant wind, taking account of direction, Metres per second.
L = Direction of Resultant wind, North wind = 0° or 360°, East wind = 90°.

and velocity of upper winds, August 1927—contd.

Quetta.				Peshawar.				Poona.				Drigh Road (Karachi).								Port Blair.				Madras.			
Height above sea 1·68 Km.				Height above sea 0·35 Km.				Height above sea 0·38 Km.				Height above sea 0·04 Km.								Height above sea 0·04 Km.				Height above sea 0·01 Km.			
												Morning				Evening.											
n	V	v	L	n	V	v	L	n	V	v	L	n	V	v	L	n	V	v	L	n	V	v	L	n	V	v	L
31	1·1	0·2	284	31	0·9	0·8	351	31	2·3	2·1	241	29	3·2	3·0	266	27	5·5	5·3	238	30	2·7	2·4	234	31	1·2	1·1	257
31	3·6	2·2	187	31	3·6	3·1	358	31	6·8	6·7	251	29	7·6	7·2	263	27	8·7	8·5	237	30	9·8	9·3	236	31	8·5	8·0	259
30	3·4	1·8	235	31	2·7	1·7	357	31	10·2	10·1	254	28	8·6	8·3	261	26	7·9	7·4	250	30	12·4	12·0	238	31	10·0	9·4	271
..	..	..	..	31	3·5	2·9	353	..	..	..	..	28	8·6	8·3	261	26	7·9	7·4	250	30	12·4	12·0	238	31	10·0	9·4	271
..	..	..	..	31	2·5	0·8	13	..	..	..	..	17	6·1	5·8	264	18	5·1	3·0	254	28	13·1	12·6	244	31	10·2	9·7	289
..	..	..	..	31	2·5	1·3	218	21	13·7	13·6	256	13	5·5	2·1	314	12	4·1	2·2	61	24	11·3	10·6	247	31	10·3	9·8	297
31	3·5	1·9	202	30	3·6	2·2	251	10	13·3	13·3	264	11	7·4	4·4	12	12	5·3	4·5	62	14	9·2	8·6	245	29	8·7	8·1	295
29	4·1	2·7	283	29	5·3	3·7	283	3	11·7	11·6	271	8	9·6	7·8	29	12	7·3	6·2	53	12	9·2	8·6	253	25	8·1	7·5	285
30	7·1	6·1	308	29	5·5	4·8	298	..	..	..	..	7	10·8	8·9	31	11	9·1	7·9	41	7	7·6	6·8	259	23	8·6	8·2	277
29	7·6	6·8	305	28	6·0	5·2	313	..	..	..	..	5	11·6	10·8	38	9	10·0	9·6	39	7	6·7	5·9	259	19	7·7	7·2	270
26	7·5	6·1	305	27	5·6	4·8	321	..	..	..	..	3	17·8	17·5	40	10	11·9	11·4	42	5	6·1	4·3	252	17	8·9	7·5	265
18	6·5	3·5	309	26	6·1	5·2	324	..	..	..	..	3	17·8	17·5	39	6	12·8	12·3	43	5	6·4	4·5	278	13	6·6	4·7	261
17	6·6	1·8	328	23	6·3	5·1	321	..	..	..	..	2	18·0	17·5	35	6	12·7	11·5	43	4	6·3	3·8	282	10	5·1	4·0	260
11	5·5	1·7	15	21	6·4	3·7	300	..	..	..	..	1	13·5	13·5	60	4	8·3	7·3	350	1	2·0	2·0	155	8	5·3	3·7	234
8	5·6	1·7	49	17	9·9	6·1	279	..	..	..	..	..	..	..	..	2	5·7	5·6	302	1	2·0	2·0	90	5	5·6	2·9	212
6	6·2	3·3	333	11	12·1	6·4	304	..	..	..	..	..	..	..	..	2	3·5	3·3	307	..	..	..	..	4	7·1	1·9	201
3	9·2	6·6	279	9	12·4	7·3	245	..	..	..	..	..	..	..	..	2	4·3	3·1	337	..	..	..	..	2	11·0	10·9	94
1	4·0	4·0	130	5	16·1	12·4	268	..	..	..	..	..	..	..	..	2	4·5	4·3	358	..	..	..	..	1	14·0	14·0	110
1	6·0	6·0	175	1	12·0	12·0	305	..	..	..	..	..	..	..	..	2	4·0	3·7	347	..	..	..	..	..	..	..	..
..	..	..	..	1	14·0	14·0	295	..	..	..	..	..	..	..	..	1	2·0	2·0	325	..	..	..	..	..	..	..	..
..	..	..	..	1	18·0	18·0	310	..	..	..	..	..	..	..	..	1	3·5	3·5	340	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	6·0	6·0	350	..	..	..	..	..	..	..	..

TABLE 15.—*Monthly means of direction and*

Heights in Km.	Agra.				Simla.				Lahore.			
	Height above sea 0·17 Km.				Height above sea 2·13 Km.				Height above sea 0·21 Km.			
	n	V	v	L	n	V	v	L	n	V	v	L
Ground level	30	2·0	1·3	262	24	1·3	1·0	357	30	0·3	0·1	338
0·2 above ground	29	6·6	4·9	284	23	5·0	3·7	339	30	5·7	3·5	269
0·5 ,, ,,	29	6·2	4·7	306	24	5·6	3·8	330	30	5·2	3·4	291
0·5 ,, sea	29	6·5	4·9	294	..	..	..	..	30	5·7	3·7	276
1·0 ,, ,,	29	5·2	4·0	315	..	..	..	..	30	4·0	2·6	300
1·5 ,, ,,	30	4·2	2·9	321	..	..	..	..	30	3·2	2·2	306
2·0 ,, ,,	30	4·8	3·2	320	..	..	..	..	30	3·5	2·3	313
2·5 ,, ,,	30	5·5	3·8	315	24	5·8	3·6	330	29	4·3	3·2	311
3·0 ,, ,,	27	5·6	3·6	307	23	5·7	3·5	322	29	5·0	4·0	312
3·5 ,, ,,	27	5·3	3·6	306	18	5·4	2·7	328	28	6·0	5·0	305
4·0 ,, ,,	27	5·0	3·1	285	18	5·7	2·4	319	28	6·4	5·3	309
4·5 ,, ,,	26	5·0	3·1	276	13	4·5	2·2	268	28	6·6	4·7	300
5·0 ,, ,,	26	4·8	2·4	267	11	6·6	5·3	235	28	7·4	5·2	286
6·0 ,, ,,	24	5·8	3·7	248	11	9·5	8·9	243	19	10·0	8·4	253
7·0 ,, ,,	24	6·9	3·8	252	10	14·5	13·7	254	11	14·2	13·3	251
8·0 ,, ,,	20	8·1	5·5	261	7	20·7	19·9	258	7	20·1	19·8	239
9·0 ,, ,,	19	8·6	6·3	260	1	24·0	24·0	275	3	20·8	20·6	241
10·0 ,, ,,	15	9·5	7·8	259	..	..	..	..	2	25·0	24·8	239
11·0 ,, ,,	12	10·4	8·2	259	..	..	..	..	2	35·5	35·5	243
12·0 ,, ,,	12	11·6	8·0	257	..	..	..	..	..	..	..	..
13·0 ,, ,,	11	11·9	9·8	252	..	..	..	..	..	..	..	..
14·0 ,, ,,	9	8·0	5·1	264	..	..	..	..	..	..	..	..
15·0 ,, ,,	6	7·7	6·2	255	..	..	..	..	..	..	..	..
16·0 ,, ,,	5	7·3	6·1	287	..	..	..	..	..	..	..	..
17·0 ,, ,,	6	5·3	2·1	239	..	..	..	..	..	..	..	..
18·0 ,, ,,	6	5·7	2·6	350	..	..	..	..	..	..	..	..
19·0 ,, ,,	6	7·1	4·5	40	..	..	..	..	..	..	..	..
20·0 ,, ,,	5	5·6	2·5	96	..	..	..	..	..	..	..	..
21·0 ,, ,,	3	9·7	1·7	246	..	..	..	..	..	..	..	..
22·0 ,, ,,	1	12·5	12·5	55	..	..	..	..	..	..	..	..

n = Number of flights.
V = Velocity of wind, regardless of direction, metres per second.
v = Velocity of resultant wind, taking account of direction, metres per second.
L = Direction of resultant wind. North wind = 0° or 360°, East wind = 90°.

velocity of upper winds, September 1927—contd.

Bangalore.				Akyab.				Diamond Harbour (Calcutta).				Quetta.				Peshawar.			
Height above sea 0·92 Km.				Height above sea 0·01 Km.				Height above sea 0·01 Km.				Height above sea 1·68 Km.				Height above sea 0·35 Km.			
n	V	v	L	n	V	v	L	n	V	v	L	n	V	v	L	n	V	v	L
30	3·3	3·0	262	20	4·9	1·9	95	30	1·3	1·1	186	29	0·5	0·4	264	30	0·1	0·1	354
30	6·1	5·1	273	25	4·6	2·0	139	30	5·3	4·0	207	30	2·1	0·3	134	30	3·0	1·9	351
29	7·0	5·9	275	25	4·5	2·2	188	30	6·4	5·0	223	29	2·5	1·3	290	30	2·9	2·2	360
..	..	..	..	25	4·5	2·2	188	30	6·4	5·0	223	..	..	..	..	30	2·7	1·7	343
..	..	..	..	23	4·4	2·9	207	28	5·9	3·9	229	..	..	..	..	30	2·8	1·9	[illegible]
..	..	..	..	22	4·3	3·0	212	25	5·3	2·5	232	..	..	..	..	30	3·2	1·8	330
15	5·5	1·9	317	20	4·3	2·9	219	21	4·8	1·9	231	29	2·1	0·5	286	30	4·1	2·5	298
12	5·4	1·8	273	18	4·1	2·5	217	19	4·3	1·5	215	29	4·3	2·7	305	30	4·7	2·9	299
10	5·5	0·7	213	15	4·3	2·7	220	17	3·5	1·3	197	30	5·5	4·7	298	30	5·0	3·5	297
8	4·7	2·7	231	13	3·3	1·7	206	14	4·1	2·1	178	30	5·7	4·7	296	30	5·2	3·4	291
7	6·5	4·1	219	11	3·6	1·4	181	13	4·2	2·3	178	30	5·6	3·5	288	29	5·2	3·5	301
5	5·9	5·0	241	9	3·7	0·4	142	10	3·6	1·6	174	27	5·4	2·0	279	27	5·6	4·4	308
4	4·9	3·9	250	9	4·0	0·2	71	7	3·9	0·8	19	25	5·6	0·4	224	26	6·2	4·8	306
4	5·3	3·7	329	6	3·7	0·7	20	3	4·2	2·7	55	20	6·1	1·9	265	25	7·8	5·6	304
1	5·0	5·0	45	3	5·2	1·1	90	..	..	..	..	15	10·5	7·1	263	13	9·7	7·8	283
1	7·0	7·0	85	1	4·5	4·5	360	..	..	..	..	9	12·4	11·8	265	10	10·7	8·5	272
1	4·5	4·5	115	..	..	..	..	..	..	..	..	3	11·5	11·2	264	8	19·6	18·9	268
1	3·0	3·0	150	..	..	..	..	..	..	..	..	1	9·0	9·0	285	8	25·7	25·1	267
1	6·5	6·5	45	..	..	..	..	..	..	..	..	1	13·0	13·0	310	5	33·5	33·0	263
..	..	..	..	..	..	..	..	..	..	..	..	1	14·0	14·0	295	3	38·3	38·1	264
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
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..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

TABLE 15.—*Monthly means of direction and*

Heights in Km.	Poona. Height above sea 0·58 Km.				Drigh-road (Karachi). Height above sea 0·01 Km. Morning.				Evening.			
	n	V	v	L	n	V	v	L	n	V	v	L
Ground level	30	1·5	1·2	241	30	2·7	2·6	275	30	5·7	5·6	240
0·2 above ground	30	3·6	2·5	261	30	7·3	6·7	271	30	8·3	8·1	241
0·5 ,, ,,	30	5·2	2·5	271	30	8·7	8·3	272	30	7·1	6·6	251
0·5 ,, sea	..	..	..	..	30	8·7	8·3	272	30	7·1	6·6	251
1·0 ,, ,,	..	..	..	..	24	6·3	5·1	274	27	6·0	3·4	270
1·5 ,, ,,	28	6·1	1·5	269	19	4·6	0·7	289	20	3·5	2·0	54
2·0 ,, ,,	26	5·7	0·4	115	18	5·0	2·6	43	19	4·6	3·1	51
2·5 ,, ,,	21	5·0	1·5	117	17	6·4	4·7	56	18	5·9	4·0	41
3·0 ,, ,,	19	4·2	1·8	117	17	6·7	5·8	61	19	5·6	4·1	46
3·5 ,, ,,	19	3·8	1·5	124	17	7·1	6·8	66	19	5·5	4·0	48
4·0 ,, ,,	17	4·1	2·0	107	16	7·6	7·1	62	19	5·3	3·3	41
4·5 ,, ,,	14	4·5	1·8	120	14	7·9	7·1	62	18	4·7	2·6	47
5·0 ,, ,,	9	4·2	1·2	112	18	6·6	5·1	68	19	4·5	1·9	46
6·0 ,, ,,	7	3·9	1·6	93	10	7·7	0·2	90	14	7·4	1·1	254
7·0 ,, ,,	3	6·3	2·6	75	7	11·1	7·2	228	10	9·6	5·8	253
8·0 ,, ,,	1	5·0	5·0	170	4	11·3	10·9	237	8	10·8	8·3	254
9·0 ,, ,,	..	..	..	..	3	8·2	7·6	224	6	13·0	9·1	249
10·0 ,, ,,	..	..	..	..	2	8·3	8·2	231	3	14·0	13·8	252
11·0 ,, ,,	..	..	..	..	2	8·7	8·7	223	2	10·3	9·9	260
12·0 ,, ,,	..	..	..	..	1	8·5	8·5	235	1	19·5	19·5	260
13·0 ,, ,,	..	..	..	..	1	9·0	9·0	205	..	..	..	..
14·0 ,, ,,	..	..	..	..	1	9·5	9·5	205	..	..	..	..
15·0 ,, ,,	..	..	..	..	..	..	..	..	..	..	..	..
16·0 ,, ,,	..	..	..	..	..	..	..	..	..	..	..	..
17·0 ,, ,,	..	..	..	..	..	..	..	..	..	..	..	..
18·0 ,, ,,	..	..	..	..	..	..	..	..	..	..	..	..
19·8 ,, ,,	..	..	..	..	..	..	..	..	..	..	..	..
20·0 ,, ,,	..	..	..	..	..	..	..	..	..	..	..	..
21·0 ,,	..	..	..	..	..	..	..	..	..	..	..	..
22·0 ,, ,,	..	..	..	..	..	..	..	..	..	..	..	..

n = Number of flights.
V = Velocity of wind, regardless of direction, metres per second.
v = Velocity of resultant wind, taking account of direction, metres per second.
L = Direction of resultant wind. North wind = 0° or 360°, East wind = 90°.

velocity of upper winds September 1927—contd.

Port Blair.				Madras.				Bait-al-Falaj.				Gwador.							
Height above sea 0·04 Km.				Height above sea 0·01 Km.				Height above sea 0·0 Km.				Height above sea 0·01 Km.							
												Morning.				Evening.			
n	V	v	L	n	V	v	L	n	V	v	L	n	V	v	L	n	V	v	L
29	1·3	1·0	229	30	1·5	1·0	241	8	0·6	0·2	281	8	1·6	0·5	278	8	4·4	4·2	224
28	5·5	4·3	224	29	6·8	5·3	255	7	2·9	2·1	260	8	2·5	0·8	195	8	3·9	3·7	216·5
28	6·4	4·7	226	29	7·7	5·5	261	6	4·6	4·4	302	8	3·1	0·6	69	8	2·6	1·3	267
28	6·4	4·7	226	29	7·7	5·5	261	6	4·6	4·4	302	8	3·1	0·6	69	8	2·6	1·3	267
27	6·1	4·3	223	30	6·3	4·1	270	8	6·2	5·6	348	6	4·2	3·9	49	8	3·9	3·5	356
27	5·7	3·7	216	28	4·2	2·6	252	8	7·1	6·6	6	5	4·2	3·5	23	8	5·0	4·2	4
27	5·2	3·1	206	27	4·1	2·4	301	8	6·1	5·9	10	4	5·0	4·0	339	8	5·5	4·3	358
23	4·9	2·8	177	25	4·3	2·3	272	8	6·0	5·8	14	4	3·4	3·0	340·5	5	4·5	3·6	348
21	4·9	2·3	172	25	4·6	2·1	258	8	5·7	5·4	26	4	4·7	4·5	338	5	3·5	2·7	6
19	5·5	2·4	174	24	4·5	1·5	257	8	6·7	5·6	25	4	5·9	5·2	341	5	4·1	2·2	4
19	5·1	2·2	159	23	4·6	1·1	225	7	7·8	5·7	10	4	6·3	5·4	343	5	5·9	2·4	344
18	5·9	2·6	149	20	5·1	1·6	156	7	7·7	6·2	14	4	4·5	3·3	347	5	5·8	3·0	20
13	7·1	4·2	123	19	5·5	2·8	114	6	6·2	5·9	26	3	4·5	2·6	340	5	5·9	3·0	19
10	5·9	3·8	125	18	5·9	3·9	108	5	5·4	4·2	320	2	6·7	6·7	296·5	4	6·4	4·0	263
6	5·8	4·7	88	14	6·8	4·6	93	3	8·0	6·8	298·5	1	9·0	9·0	280	2	9·0	8·9	258
4	5·6	5·1	96	9	8·4	6·8	93	2	9·0	9·0	278	1	12·5	12·5	270	2	10·7	10·5	245
4	8·1	7·9	107	6	7·4	6·9	84	2	10·3	10·1	278	1	16·5	16·5	270	1	4·0	4·0	240
3	9·7	9·3	93	5	9·0	8·9	82	1	11·5	11·5	270	1	15·5	15·5	280	1	3·5	3·5	245
1	17·0	17·0	100	5	14·2	13·8	89	1	13·0	13·0	285	..	..	..	..	1	3·5	3·5	205
..	..	..	..	4	15·9	15·6	95	..	..	..	..	..	..	..	..	1	4·5	4·5	190
..	..	..	..	1	13·0	13·0	95	..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
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TABLE 15.—*Monthly means of direction and*

Heights in Km.	Agra. Height above sea 0·17 Km.				Simla. Height above sea 2·13 Km.				Lahore. Height above sea 0·21 Km.			
	n	V	v	L	n	V	v	L	n	V	v	L
Ground level	31	2·0	1·2	290	31	1·3	0·5	354	31	0·2	0·5	267
0·2 above ground	31	5·5	3·5	292	30	4·7	3·1	347	30	4·6	1·3	267
0·5 ,, ,,	31	5·6	3·6	305	30	4·9	1·8	318	30	4·2	2·0	284
0·5 above sea	31	5·6	3·7	299	..	..	..	..	30	4·6	1.7	276
1·0 ,, ,,	31	5·5	4·0	310	..	..	..	..	30	4·1	2·4	297
1·5 ,, ,,	31	6·6	5·0	319	..	..	..	..	31	4·4	3·3	304
2·0 ,, ,,	30	7·7	6·7	323	..	..	..	..	31	5·0	4·2	308
2·5 ,, ,,	30	7·7	6·6	324	30	5·3	1·5	309	31	5·9	5·1	305
3·0 ,, ,,	30	7·3	6·3	327	30	5·6	1·8	305	31	6·6	5·7	312
3·5 ,, ,,	29	7·0	6·0	322	29	6·6	1·9	321	31	7·5	6·3	318
4·0 ,, ,,	29	6·3	4·7	308	28	6·6	0·2	72	30	7·7	6·3	321
4·5 ,, ,,	29	6·4	4·5	289	26	6·0	0·6	231	30	7·3	5·7	317
5·0 ,, ,,	29	7·7	5·6	279	23	6·3	2·0	224	30	7·0	5·1	303
6·0 ,, ,,	27	11·0	9·2	266	18	8·4	5·1	264	28	9·3	7·5	278
7·0 ,, ,,	26	14·1	12·1	264	14	10·6	9·6	278	22	12·0	10·8	269
8·0 ,, ,,	23	17·8	15·9	259	10	15·7	14·4	273	16	15·7	14·4	264
9·0 ,, ,,	18	20·0	18·2	263	3	20·0	18·0	280	15	21·9	20·4	258
10·0 ,, ,,	15	22·5	21·2	263	..	..	..	..	14	30·4	28·8	254
11·0 ,, ,,	9	30·2	28·7	267	..	..	..	..	6	33·7	33·0	252
12·0 ,, ,,	4	28·7	26·6	266	..	..	..	..	2	38·5	38·2	262
13·0 ,, ,,	3	28·0	25·5	259	..	..	..	..	..	..	..	..
14·0 ,, ,,	2	28·7	27·0	242	..	..	..	..	..	..	..	..
15·0 ,, ,,	2	27·5	26·7	241	..	..	..	..	..	..	..	..
16·0 ,, ,,	2	25·7	23·5	248	..	..	..	..	..	..	..	..
15·0 ,, ,,	1	9·0	9·0	285	..	..	..	..	..	..	..	..
18·0 ,, ,,	1	12·0	12·0	245	..	..	..	..	..	..	..	..
19·0 ,, ,,	1	10·0	10·0	255	..	..	..	..	..	..	..	..
20·0 ,, ,,	1	5·5	5·5	245	..	..	..	..	..	..	..	..
21·0 ,, ,,	1	7·0	7·0	215	..	..	..	..	..	..	..	..
22·0 ,, ,,	1	24·0	24·0	280	..	..	..	..	..	..	..	..
23·0 ,, ,,	1	33·0	33·0	290	..	..	..	..	..	..	..	..
24·0 ,, ,,	1	37·5	37·5	275	..	..	..	..	..	..	..	..

n = Number of flights.
V = Velocity of wind, regardless of direction, metres per second.
v = Velocity of resultant wind, taking account of direction, metres per second.
L = Direction of resultant wind, North wind = 0° or 360°, East wind = 90°.

velocity of upper winds, October 1927—contd.

Bangalore.				Akyab.				Diamond Harbour (Calcutta).				Quetta.				Peshawar.			
Height above sea 0·92 Km.				Height above sea 0·01 Km.				Height above sea 0·01 Km.				Height above sea 1·68 Km.				Height above sea 0·35 Km.			
n	V	v	L	n	V	v	L	n	V	v	L	n	V	v	L	n	V	v	L
31	3·6	0·6	268	24	5·3	3·8	59	31	1·0	0·2	126	31	1·2	0·7	314	31	0·4	0·2	221
31	6·3	0·9	312	30	4·9	1·5	57	28	4·6	1·9	258	31	2·1	0·8	320	31	2·9	2·2	338
28	6·6	2·8	39	30	4·5	0·4	121	28	4·9	1·6	271	31	2·4	1·6	310	31	3·5	3·1	355
..	..	..	..	30	4·5	0·4	121	23	4·9	1·6	271	..	..	..	..	31	2·5	1·7	325
..	..	..	..	29	4·5	0·7	176	28	5·4	1·7	312	..	..	..	..	31	3·2	2·	[illegible]
..	..	..	..	29	4·8	1·0	165	29	5·1	2·0	333	..	..	..	..	31	2·8	1·9	328
25	5·6	4·6	34	29	4·0	1·1	177	28	4·1	1·8	328	31	2·2	1·2	310	31	3·1	2·1	319
24	5·6	4·4	20	25	4·9	1·3	183	27	4·1	0·9	239	31	3·4	2·4	311	31	3·7	2·[illegible]	302
23	5·7	3·6	1	24	4·8	1·6	197	27	4·5	1·3	235	31	4·5	3·4	305	31	4·3	3·0	307
20	5·4	2·3	340	21	4·4	0·7	234	26	4·8	1·9	286	31	5·0	3·0	308	31	4·8	3·9	315
19	5·4	1·3	308	19	4·7	1·5	237	25	6·2	2·9	282	31	5·0	2·2	310	31	4·9	4·0	316
17	4·5	0·7	83	16	5·3	2·9	297	23	6·8	4·0	290	30	5·7	3·1	302	31	5·4	4·4	319
16	4·9	2·4	77	15	6·4	4·2	303	21	6·9	3·7	281	29	6·2	3·9	304	31	5·6	4·4	318
13	5·3	4·5	74	10	7·9	6·7	2[illegible]2	14	9·8	7·1	278	26	6·9	4·9	195	31	6·6	4·9	315
10	6·0	5·4	69	10	8·5	7·5	275	9	13·4	11·2	270	21	9·2	7·3	291	31	8·4	6·4	294
6	6·4	4·9	84	5	13·1	11·7	294	6	15·8	15·1	276	14	9·9	7·5	239	31	11·2	8·9	287
5	7·8	6·3	85	5	17·8	15·0	278	3	14·7	14·3	281	8	12·2	10·9	282	30	13·9	11·4	281
4	7·4	7·3	95	2	21·5	21·2	253	2	20·0	20·0	282	3	19·2	19·0	239	25	17·8	15·0	279
3	10·7	10·5	101	1	21·5	21·5	275	..	..	..	..	1	32·0	32·0	230	22	23·9	21·2	241
..	..	..	..	1	22·5	22·5	276	..	..	..	..	..	..	..	..	16	29·6	27·4	255
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	12	35·5	33·5	252
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5	47·1	46·1	259
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	49·5	49·1	256
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
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TABLE 15.—*Monthly means of direction and*

Heights in Km.	Poona. Height above sea 0·58 Km.				Drigh Road (Karachi). Height above sea 0·01 Km. Morning.				Evening.			
	n	V	v	L	n	V	v	L	n	V	v	L
Ground level	31	1·4	0·9	215	31	0·8	0·7	271	20	4·7	4·5	236
0·2 above ground	31	3·4	0·6	257	31	5·8	5·2	278	20	8·4	8·1	245
0·5 ,, ,,	31	4·9	1·6	79	31	6·6	6·1	278	20	6·2	6·0	265
0·5 above sea	..	..	..	..	31	6·6	6·1	278	20	6·2	6·0	265
1·0 ,, ,,	..	..	..	..	23	6·2	5·2	286	17	4·2	3·3	274
1·5 ,, ,,	31	5·7	3·7	97	23	5·1	3·3	305	17	3·5	1·7	311
2·0 ,, ,,	30	5·0	4·0	92	23	5·5	2·7	341	17	4·8	2·6	352
2·5 ,, ,,	29	4·4	3·2	86	22	5·3	2·3	14	17	5·8	2·8	18
3·0 ,, ,,	28	3·9	1·9	74	22	5·6	3·5	30	16	6·0	2·6	19
3·5 ,, ,,	22	3·7	2·3	52	22	6·6	4·3	36	15	6·8	3·7	3
4·0 ,, ,,	22	3·5	1·6	18	22	7·6	5·3	37	15	6·8	3·6	2
4·5 ,, ,,	18	3·2	1·6	351	21	7·4	4·6	24	15	5·5	3·8	355
5·0 ,, ,,	17	3·3	1·7	358	20	6·2	4·4	17	15	4·8	3·4	331
6·0 ,, ,,	16	3·5	1·0	329	17	6·7	3·7	293	13	7·5	6·2	291
7·0 ,, ,,	15	3·6	2·0	271	14	11·3	9·6	269	8	12·4	12·2	273
8·0 ,, ,,	12	5·0	3·3	269	12	15·3	13·8	237	6	13·7	13·3	269
9·0 ,, ,,	10	5·7	4·2	266	11	19·7	18·6	266	4	20·5	19·7	246
10·0 ,, ,,	9	7·9	4·2	241	7	23·1	25·9	266	4	23·7	22·6	262
11·0 ,, ,,	6	11·2	6·3	229	4	22·3	21·4	273	2	25·3	24·5	267
12·0 ,, ,,	3	16·3	14·7	236	3	28·8	23·3	275	1	25·0	25·0	260
13·0 ,, ,,	1	12·0	12·0	155	2	35·0	33·8	270	..	..	..	..
14·0 ,, ,,	..	..	..	..	2	41·5	40·1	269	..	..	..	..
15·0 ,, ,,	..	..	..	..	..	..	..	..	..	..	..	..
16·0 ,, ,,	..	..	..	..	..	..	..	..	..	..	..	..
17·0 ,, ,,	..	..	..	..	..	..	..	..	..	..	..	..
18·0 ,, ,,	..	..	..	..	..	..	..	..	..	..	..	..
19·0 ,, ,,	..	..	..	..	..	..	..	..	..	..	..	..
20·0 ,, ,,	..	..	..	..	..	..	..	..	..	..	..	..
21·0 ,, ,,	..	..	..	..	..	..	..	..	..	..	..	..
22·0 ,, ,,	..	..	..	..	..	..	..	..	..	..	..	..
23·0 ,, ,,	..	..	..	..	..	..	..	..	..	..	..	..
24·0 ,, ,,	..	..	..	..	..	..	..	..	..	..	..	..

n = Number of flights.
V = Velocity of wind, regardless of direction, metres per second.
v = Velocity of resultant wind, taking account of direction, metres per second.
L = Direction of resultant wind, North wind = 0° or 360°, East wind = 90°.

velocity of upper winds, October 1927—contd.

Madras.				Port Blair.								Gwador.								Bait-al-Falaj.			
Height above sea 0·01 Km.				Height above sea 0·04 Km.								Height above sea 0·01 Km.								Height above sea 0·02 Km.			
				Morning.				Evening.				Morning.				Evening.							
n	V	v	L	n	V	v	L	n	V	v	L	n	V	v	L	n	V	v	L	n	V	v	L
31	1·5	0·4	242	31	2·6	0·9	160	28	4·1	1·4	137	30	2·3	0·6	279	31	5·0	3·9	209	31	2·3	0·4	348
31	6·3	2·4	277	29	6·3	2·3	225	27	6·4	1·1	214	30	3·9	2·0	242	31	5·1	4·5	207	31	3·1	1·8	267
31	6·4	1·9	289	29	7·8	2·6	233	27	7·5	1·7	236	29	3·5	1·6	231	31	3·3	2·1	239	31	3·8	3·2	278
31	6·4	1·9	289	29	7·8	2·6	233	27	7·5	1·7	236	29	3·5	1·6	231	31	3·3	2·1	239	31	3·8	3·2	278
31	5·8	2·5	352	28	8·1	2·1	221	25	7·4	1·9	238	21	4·5	1·0	314	31	3·2	0·7	299	30	5·1	3·8	249
31	6·1	3·5	3	23	7·4	2·0	208	22	6·5	1·4	222	17	4·1	1·1	343	31	3·8	1·7	342	30	4·7	2·2	314
30	6·0	3·1	351	20	5·8	2·1	246	19	6·5	0·9	189	17	4·3	1·5	344	30	4·3	2·3	349	31	4·5	1·5	12
29	6·0	4·1	334	18	5·4	3·1	233	16	5·8	1·4	128	14	5·1	2·9	360	30	4·9	2·9	357	31	5·0	2·0	55
28	5·0	3·3	320	17	6·0	3·2	277	13	5·4	1·2	74	12	4·5	1·8	356	30	5·9	3·8	6	31	5·6	2·7	77
28	5·0	1·8	297	16	7·2	3·3	289	11	4·6	2·3	72	11	5·9	2·5	27	30	6·3	4·3	12	31	6·5	3·7	81
24	5·0	1·9	309	12	5·8	1·3	321	10	4·3	2·0	72	9	5·3	3·0	59	30	7·8	5·9	21	31	6·6	3·6	57
22	4·5	0·4	37	11	6·1	0·9	11	8	3·3	2·8	57	9	5·2	2·5	31	30	7·9	5·4	17	31	6·2	2·8	12
21	3·9	0·4	112	8	6·3	2·2	52	6	4·5	3·8	59	8	4·6	1·3	345	28	6·8	3·9	344	27	6·6	3·3	328
15	4·0	1·7	94	7	6·2	5·4	69	5	5·6	5·1	60	8	8·5	7·8	272	22	9·4	5·8	300	23	9·5	6·5	295
14	4·8	3·5	94	5	6·3	5·1	100	4	5·5	5·4	49	6	15·5	14·8	274	17	12·3	7·7	236	18	11·4	7·1	298
11	5·5	4·0	94	5	8·1	6·7	93	3	6·0	5·4	59	4	18·0	17·6	258	8	19·9	19·7	276	11	12·1	7·8	294
9	5·4	4·1	93	4	9·6	8·3	96	3	5·0	4·7	63	3	22·3	21·8	230	4	24·3	23·5	272	9	16·2	13·9	278
4	8·5	6·6	303	3	7·7	6·3	101	3	7·2	6·0	76	1	31·5	31·5	230	1	34·0	34·0	230	8	18·9	16·1	278
2	8·5	8·1	123	2	9·3	8·7	109	2	8·7	8·4	104	..	..	..	..	..	..	..	..	5	16·2	13·0	286
..	..	..	..	1	8·0	8·0	140	1	5·5	5·5	149	..	..	..	..	..	..	..	..	2	12·5	11·8	232
..	..	..	..	1	4·0	4·0	140	..	..	..	..	..	..	..	..	..	..	..	..	2	10·3	10·2	298
..	..	..	..	1	4·5	4·5	140	..	..	..	..	..	..	..	..	..	..	..	..	1	16	16·0	239
..	..	..	..	1	6·5	6·5	110	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
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TABLE 15.—*Monthly means of direction*

Heights in Km.	Agra. Height above sea 0·17 Km.				Simla. Height above sea 2·13 Km.				Lahore. Height above sea 0·21 Km.				Bangalore. Height above sea 0·92 Km.				Akyab. Height above sea 0·01 Km.			
	n	V	v	L	n	V	v	L	n	V	v	L	n	V	v	L	n	V	v	L
Ground level	30	1·1	0·5	263	29	1·2	1·1	1	30	0·1	0·1	108	30	3·7	2·5	82	26	6·0	5·7	39
0·2 above ground	30	4·4	1·9	290	28	4·7	3·4	358	29	5·3	1·3	336	30	6·1	3·9	75	28	5·4	4·6	33
0·5 ,, ,,	30	4·9	2·7	324	28	4·1	2·4	339	29	5·3	2·2	321	26	5·8	2·3	67	28	4·3	2·4	62
0·5 ,, Sea	30	4·6	1·8	302	..	..	..	..	29	5·5	1·8	328	..	..	..	..	28	4·3	2·4	62
1·0 ,, ,,	30	5·5	3·8	325	..	..	..	..	29	4·8	2·0	318	..	..	..	..	28	3·8	1·5	100
1·5 ,, ,,	30	6·4	4·9	329	..	..	..	..	29	4·7	2·3	309	..	..	..	..	28	4·6	1·9	128
2·0 ,, ,,	30	6·5	5·2	339	..	..	..	..	30	4·9	3·2	324	18	5·4	0·2	14	28	4·7	1·4	154
2·5 ,, ,,	28	6·1	4·9	329	28	4·4	2·9	343	30	5·3	3·7	319	16	5·6	2·6	43	27	5·0	0·5	265
3·0 ,, ,,	28	6·4	5·2	318	27	4·2	2·1	336	30	6·2	4·6	312	16	6·1	3·4	76	27	5·9	1·9	299
3·5 ,, ,,	27	7·1	6·0	307	27	4·7	2·6	321	30	7·2	5·2	301	14	5·7	4·7	96	26	6·4	4·0	298
4·0 ,, ,,	28	9·4	8·3	301	26	4·8	2·8	308	30	8·1	5·8	299	13	6·7	6·3	87	26	7·1	5·1	297
4·5 ,, ,,	27	11·4	10·1	296	21	6·1	3·5	298	30	8·7	6·7	285	11	8·2	7·8	85	25	7·7	5·9	294
5·0 ,, ,,	26	13·1	12·1	290	18	8·3	6·8	290	29	10·0	8·1	285	11	10·1	9·7	89	24	8·3	6·9	295
6·0 ,, ,,	25	17·8	16·7	287	13	13·1	11·7	283	26	14·8	12·7	281	11	13·9	12·7	84	19	10·1	8·1	297
7·0 ,, ,,	23	23·1	22·2	277	4	11·4	11·1	283	23	18·8	16·8	283	8	15·9	15·3	85	14	14·7	12·4	300
8·0 ,, ,,	15	26·6	25·6	270	2	12·0	11·9	267	19	23·5	22·6	279	4	12·7	12·5	83	11	16·3	13·8	300
9·0 ,, ,,	9	31·6	31·1	274	..	..	..	..	15	27·7	27·0	279	2	10·7	9·0	102	4	12·1	11·0	308
10·0 ,, ,,	5	36·9	36·4	280	..	..	..	..	13	34·7	33·9	281	1	8·5	8·5	175	2	20·2	19·5	284
11·0 ,, ,,	3	40·0	39·1	283	..	..	..	..	4	31·7	31·2	273	1	11·0	11·0	155	1	6·5	6·5	320
12·0 ,, ,,	2	46·3	45·2	288	..	..	..	..	2	20·3	20·0	257	..	..	..	..	..	..	..	..
13·0 ,, ,,	1	46·0	46·0	275	..	..	..	..	2	27·8	27·5	257	..	..	..	..	..	..	..	..
14·0 ,, ,,	1	50·5	50·5	275	..	..	..	..	1	33·0	33·0	260	..	..	..	..	..	..	..	..
15·0 ,, ,,	..	..	..	..	..	..	..	..	1	39·0	39·0	260	..	..	..	..	..	..	..	..
16·0 ,, ,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
17·0 ,, ,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
18·0 ,, ,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
19·0 ,, ,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
20·0 ,, ,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
21·0 ,, ,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
22·0 ,, ,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
23·0 ,, ,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
24·0 ,, ,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

n = Number of flights.
V = Velocity of wind, regardless of direction, metres per second.
v = Velocity of resultant wind, taking account of direction, metres per second.
L = Direction of resultant wind, North Wind = 0° or 360°, East Wind = 90°.

and velocity of upper winds, November 1927—contd.

Diamond Harbour.				Quetta.				Peshawar.				Poona.				Drigh Road.							
Height above sea 0·01 Km.				Height above sea. 1·68 Km.				Height above sea 0·35 Km.				Height above sea 0·58 Km.				Height above sea 0·01 Km.							
																Morning.				Evening.			
n	V	v	L	n	V	v	L	n	V	v	L	n	V	v	L	n	V	v	L	n	V	v	L
30	1·3	1·1	4	30	0·7	0·2	236	30	0·5	0·4	208	30	1·1	0·2	178	30	0·6	0·6	42	22	3·7	1·6	202
30	5·8	4·4	23	30	1·9	0·3	323	30	2·3	1·1	318	30	4·0	2·7	101	30	4·8	1·7	8	22	5·7	2·4	215
30	5·4	3·9	21	30	2·4	1·3	313	30	2·6	2·3	347	29	6·2	4·7	100	30	5·7	1·4	328	22	4·8	1·2	193
30	5·4	3·9	21	..	..	..	..	30	2·1	0·9	276	..	..	..	..	30	5·7	1·4	328	22	4·8	1·2	193
30	4·7	3·5	15	..	..	..	..	30	5	2·1	343	..	..	..	..	30	5·3	0·4	353	22	5·3	1·7	41
29	4·7	2·4	4	..	..	..	..	30	3·2	2·3	330	29	6·4	4·9	106	30	5·2	1·7	47	22	5·3	3·3	43
27	4·4	2·1	352	30	1·9	0·7	305	30	4·1	2·5	324	23	5·4	3·6	99	29	4·8	3·2	51	22	4·5	3·3	41
25	5·0	2·1	304	30	3·7	2·6	324	30	4·7	3·1	313	23	4·7	2·3	75	29	5·1	2·1	53	22	5·4	2·7	13
24	6·6	4·0	294	30	5·7	4·0	316	30	4·8	3·2	305	27	4·5	2·4	59	29	5·9	1·5	29	21	6·0	1·9	347
24	8·2	6·2	238	30	7·1	4·7	300	30	5·1	3·6	294	23	4·8	2·8	57	29	7·1	2·1	344	20	6·9	3·5	333
24	9·7	7·8	233	29	8·6	5·9	272	30	5·8	4·0	288	23	4·7	1·9	63	29	7·9	2·6	320	20	8·3	4·7	324
24	11·3	9·3	231	29	10·0	7·4	237	30	6·5	4·3	288	25	4·1	2·0	56	29	9·4	4·2	298	18	8·5	4·8	308
22	12·0	10·2	231	25	10·4	8·5	291	30	7·8	5·7	291	25	5·0	1·5	44	27	10·4	5·9	290	15	10·5	6·5	295
15	13·7	10·5	272	19	13·1	10·8	231	29	11·5	9·4	288	23	5·8	0·1	225	24	12·9	9·6	279	13	13·3	9·2	231
8	15·3	12·4	291	6	14·8	12·3	250	23	14·8	12·2	234	22	6·5	2·1	189	20	16·4	14·1	269	7	13·1	10·8	264
3	20·5	19·1	260	2	21·3	21·2	260	21	16·4	14·4	290	18	8·3	2·9	241	18	19·9	18·0	260	5	15·3	11·3	276
1	12·5	12·5	235	..	..	..	..	22	19·0	16·5	237	12	9·3	7·5	239	11	24·0	22·7	259	4	20·7	18·5	278
1	14·5	14·5	235	..	..	..	..	16	20·9	18·0	290	12	12·6	11·9	240	7	29·8	23·8	254	..	..	..	..
1	15·0	15·0	260	..	..	..	..	11	25·9	22·5	286	11	15·9	15·4	238	3	33·2	33·0	247	..	..	..	..
..	..	..	..	..	..	..	..	6	25·2	19·7	283	5	21·2	20·8	234	2	38·7	38·5	235	..	..	..	..
..	..	..	..	..	..	..	..	4	27·1	24·8	292	1	26·0	26·0	230	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	1	26·5	26·5	315	..	..	..	..	..	..	..	..	..	..	..	..
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TABLE 15.—*Monthly means of direction*

Height in Km.	Madras. Height above sea 0·01 Km.				Port Blair. Height above sea 0·04 Km. Morning.				Port Blair. Height above sea 0·04 Km. Evening.			
	n	V	v	L	n	V	v	L	n	V	v	L
Ground level	29	2·2	1·2	24	29	3·5	2·3	70	27	4·3	3·2	61
0·2 above ground	29	7·1	4·7	26	29	6·0	3·9	82	27	5·3	3·8	77
0·5 ,, ,,	29	8·1	5·5	42	29	7·1	4·3	94	27	6·3	4·6	82
0·5 ,, sea	29	8·1	5·5	42	29	7·1	4·3	94	27	6·3	4·6	82
1·0 ,, ,,	27	6·8	4·5	56	27	7·5	4·6	103	26	6·5	4·7	91
1·5 ,, ,,	26	5·9	3·0	66	23	6·9	3·7	118	19	5·8	4·0	103
2·0 ,, ,,	22	5·3	1·7	69	21	5·4	2·5	115	19	5·1	3·5	105
2·5 ,, ,,	22	4·6	2·1	88	18	3·7	2·5	93	14	4·7	3·7	110
3·0 ,, ,,	21	4·9	3·1	86	16	4·2	2·5	95	11	4·8	3·6	105
3·5 ,, ,,	20	5·7	3·8	85	14	4·2	2·5	112	10	3·9	3·1	97
4·0 ,, ,,	18	5·6	4·4	82	12	4·0	3·0	98	9	4·1	3·0	95
4·5 ,, ,,	18	6·7	5·8	80	11	4·8	3·4	83	8	4·5	3·4	68
5·0 ,, ,,	17	7·9	7·4	86	9	4·5	2·8	79	7	4·8	4·5	59
6·0 ,, ,,	14	9·2	8·5	81	8	7·9	6·5	72	6	6·5	5·9	81
7·0 ,, ,,	9	10·4	9·7	79	5	9·1	7·8	60	3	11·0	9·4	73
8·0 ,, ,,	6	10·8	10·7	64	3	5·5	4·3	80	2	9·7	8·5	66
9·0 ,, ,,	4	5·7	4·4	75	2	6·5	4·7	57	2	7·5	6·3	62
10·0 ,, ,,	3	6·3	2·1	67	2	6·5	5·7	54	..	..	..	..
11·0 ,, ,,	2	5·3	4·3	158	1	7·5	7·5	110	..	..	..	..
12·0 ,, ,,	1	10·0	10·0	180	1	8·5	8·5	130	..	..	..	..
13·0 ,, ,,	1	12·5	12·5	190	..	..	..	..	..	..	..	..
14·0 ,, ,,	..	..	..	..	..	..	..	..	..	..	..	..
15·0 ,, ,,	..	..	..	..	..	..	..	..	..	..	..	..
16·0 ,, ,,	..	..	..	..	..	..	..	..	..	..	..	..
17·0 ,, ,,	..	..	..	..	..	..	..	..	..	..	..	..
18·0 ,, ,,	..	..	..	..	..	..	..	..	..	..	..	..
19·0 ,, ,,	..	..	..	..	..	..	..	..	..	..	..	..
20·0 ,, ,,	..	..	..	..	..	..	..	..	..	..	..	..
21·0 ,, ,,	..	..	..	..	..	..	..	..	..	..	..	..
22·0 ,, ,,	..	..	..	..	..	..	..	..	..	..	..	..
23·0 ,, ,,	..	..	..	..	..	..	..	..	..	..	..	..
24·0 ,, ,,	..	..	..	..	..	..	..	..	..	..	..	..

n = Number of flights.
V = Velocity of wind, regardless of direction, metres per second,
v = Velocity of resultant wind, taking account of direction, metres per second.
L = Direction of resultant wind, North Wind = 0° or 360°, East Wind = 90°.

and velocity of upper winds, November 1927—contd.

Gwador.								Bahrein.								Bait-al-Falaj.			
Height above sea 0·01 Km.								Height above sea 0·0 Km.								Height above sea 0·02 Km.			
Morning.				Evening.				Morning.				Evening.							
n	V	v	L	n	V	v	L	n	V	v	L	n	V	v	L	n	V	v	L
29	1·5	0·6	298	25	4·0	2·7	224	29	2·7	1·6	264	25	3·5	1·6	344	29	0·6	0·5	285
29	4·1	2·3	345	25	4·0	2·5	204	29	6·6	2·6	284	25	6·6	2·6	340	29	2·7	2·0	257
29	5·2	2·7	4	25	3·0	0·5	227	29	6·7	1·9	333	25	6·5	2·9	337	29	3·4	1·8	311
29	5·2	2·7	4	25	3·0	0·5	227	29	6·7	1·9	333	25	6·5	2·9	337	29	3·4	1·8	311
29	4·9	2·7	14	25	4·2	2·3	14	29	5·9	1·4	355	25	6·2	2·2	323	29	3·5	1·3	356
29	4·5	2·1	23	25	4·8	3·5	11	27	6·2	0·7	339	24	5·8	1·6	300	29	3·8	1·7	33
29	4·3	1·6	45	25	5·1	3·6	11	27	6·4	0·8	307	24	6·3	2·5	284	27	4·1	2·3	63
28	4·3	1·7	42	25	5·7	3·1	360	26	6·5	1·3	279	20	6·5	3·4	288	27	4·9	2·9	75
28	5·6	1·0	26	25	6·0	2·9	326	23	7·1	3·0	282	19	7·0	4·4	297	27	5·7	1·6	79
28	6·6	0·9	305	25	6·4	2·8	320	20	6·8	2·8	282	16	5·7	3·3	293	27	6·3	0·4	187
28	6·1	1·8	284	25	7·0	3·3	312	19	8·0	3·7	276	15	7·0	4·5	285	27	6·3	1·9	242
28	7·9	4·1	276	24	6·8	3·3	297	19	8·9	4·2	266	14	8·1	5·5	280	27	7·2	3·6	245
27	9·4	5·9	280	24	7·6	4·5	290	15	9·2	6·9	260	12	8·3	4·6	260	25	7·9	5·2	272
26	13·5	9·9	267	23	11·3	7·7	274	11	10·4	9·1	251	8	10·4	6·3	258	22	12·7	10·2	274
19	17·3	14·6	260	19	14·8	12·6	263	9	12·4	10·6	240	4	17·3	8·9	297	16	15·5	13·1	265
14	19·6	17·8	264	15	18·8	16·4	256	4	11·0	8·4	247	3	14·3	11·7	241	9	19·7	18·7	269
8	23·6	23·0	256	7	18·4	17·4	257	2	12·5	12·5	207	..	..	..	..	6	23·3	22·2	259
4	33·3	32·0	255	5	23·9	22·5	258	1	36·0	35·0	205	..	..	..	..	5	26·4	25·6	259
2	40·7	40·4	247	2	24·3	23·1	254	..	..	..	..	..	..	..	..	3	30·2	30·0	268
1	47·0	47·0	245	2	30·0	29·3	259	..	..	..	..	..	..	..	..	1	28·0	28·0	260
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
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Table 15.—Monthly means of direction

Heights in Km.	Agra. Height above sea 0·17 Km.				Simla. Height above sea 2·13 Km.				Lahore. Height above sea 0·21 Km.			
	n	V	v	L	n	V	v	L	n	V	v	L
Ground level	30	1·3	0·0	360	29	1·3	0·3	351	30	0·2	0·1	105
0·2 above ground	31	4·0	0·8	332	26	3·7	1·1	41	29	4·8	1·5	345
0·5 ,, ,,	31	3·5	1·1	316	27	3·6	0·9	119	29	4·4	0·9	332
0·5 ,, sea	31	3·7	0·7	325	..	..	..	..	29	4·7	1·4	347
1·0 ,, ,,	31	3·5	2·0	305	..	..	..	..	29	3·9	1·0	328
1·5 ,, ,,	31	5·1	3·5	293	..	..	..	..	29	4·2	0·7	304
2·0 ,, ,,	31	6·3	4·3	285	..	..	..	..	29	4·5	0·5	208
2·5 ,, ,,	31	6·8	5·3	272	26	3·5	0·9	96	28	4·8	1·8	189
3·0 ,, ,,	31	7·6	6·1	265	27	4·9	1·5	140	28	5·4	2·8	199
3·5 ,, ,,	30	7·8	6·4	267	26	5·5	2·2	156	28	6·3	4·0	214
4·0 ,, ,,	30	8·6	7·5	259	25	6·0	2·3	189	27	7·8	5·2	232
4·5 ,, ,,	29	9·3	8·1	265	22	5·7	2·7	230	25	8·5	5·5	237
5·0 ,, ,,	29	11·6	10·1	264	20	6·7	4·8	254	23	10·0	6·9	248
6·0 ,, ,,	29	14·6	13·1	263	14	11·5	9·9	263	20	14·0	12·6	255
7·0 ,, ,,	26	17·1	16·0	263	4	11·5	10·1	264	16	16·4	14·9	263
8·0 ,, ,,	21	21·4	20·0	266	2	9·0	8·9	276	13	20·5	19·3	267
9·0 ,, ,,	17	25·4	23·0	267	2	12·3	11·9	281	6	19·1	18·5	263
10·0 ,, ,,	8	24·8	24·5	264	1	13·5	13·5	295	1	15·0	15·0	270
11·0 ,, ,,	8	33·3	32·5	262	1	18·5	18·5	290	..	..	..	..
12·0 ,, ,,	6	35·0	34·5	271	..	..	..	..	..	..	..	..
13·0 ,, ,,	4	42·4	41·4	273	..	..	..	..	..	..	..	..
14·0 ,, ,,	2	48·3	48·3	268	..	..	..	..	..	..	..	..
15·0 ,, ,,	2	47·3	47·1	265	..	..	..	..	..	..	..	..
16·0 ,, ,,	2	44·3	42·9	264	..	..	..	..	..	..	..	..
17·0 ,, ,,	1	45·5	45·5	270	..	..	..	..	..	..	..	
18·0 ,, ,,	1	32·5	32·5	270	..	..	..	..	..	..	..	..
19·0 ,, ,,	..	..	..	..	..	..	..	..	..	..	..	..

n = Number of flights.
V = Velocity of wind, regardless of direction, metres per second.
v = Velocity of resultant wind, taking account of direction, metres per second.
L = Direction of resultant wind, North Wind = 0° or 360°; East Wind = 90°.

and velocity of upper winds, December 1927—contd.

Bangalore.				Akyab.				Diamond Harbour.				Quetta.				Peshawar.			
Height above sea 0·92 Km.				Height above sea 0·01 Km.				Height above sea 0·01 Km.				Height above sea 1·68 Km.				Height above sea 0·35 Km.			
n	V	v	L	n	V	v	L	n	V	v	L	n	V	v	L	n	V	v	L
31	4·5	4·3	83	29	5·5	5·4	33	31	0·9	0·8	8	31	1·0	0·2	314	31	0·7	0·4	182
31	7·3	7·1	88	29	4·9	4·7	35	31	5·1	4·6	26	31	3·2	1·2	218	31	2·5	0·4	96
30	7·0	6·3	85	29	3·3	2·1	66	31	4·9	4·3	18	31	3·5	1·5	225	30	2·3	0·9	323
..	..	..	..	29	3·3	2·1	66	31	4·9	4·3	18	..	..	..	..	31	2·4	0·4	104
..	..	..	..	29	3·2	1·6	146	31	5·6	4·8	358	..	..	..	..	29	2·4	1·4	321
..	..	..	..	30	3·9	2·6	188	30	6·1	5·1	346	..	..	..	..	29	4·8	3·8	323
28	5·6	4·3	66	29	4·5	2·7	217	29	5·1	3·9	334	31	3·1	1·3	225	31	4·7	2·3	349
23	5·8	4·2	67	29	5·5	3·3	249	29	5·2	3·5	302	31	4·2	2·0	232	31	4·6	0·7	78
23	5·5	2·7	60	29	6·4	4·5	255	29	5·9	4·4	281	31	6·5	3·9	253	29	5·0	0·9	125
22	5·0	1·9	41	28	7·1	5·5	260	29	7·1	5·7	271	29	8·6	5·9	261	28	4·9	1·2	179
22	4·7	0·8	354	28	8·0	6·5	266	28	8·3	6·5	266	29	10·3	7·9	258	26	5·4	2·6	209
21	5·1	0·6	331	27	9·1	8·1	266	28	9·7	7·7	262	25	12·4	9·8	265	26	7·3	4·6	225
21	6·1	1·5	238	27	10·0	9·1	269	27	11·1	9·7	273	21	12·4	9·4	272	26	9·3	6·7	233
20	7·6	2·3	216	22	12·4	11·9	273	23	15·6	14·8	270	10	11·6	9·9	277	21	11·9	10·4	246
14	8·5	5·8	256	14	13·5	12·1	278	14	18·4	17·4	263	5	15·6	14·8	293	8	15·6	14·8	266
12	10·1	7·0	252	5	17·0	15·6	276	4	16·5	15·6	280	2	18·3	18·3	270	5	18·8	17·4	274
9	10·8	6·7	269	4	26·3	25·3	286	1	16·0	16·0	290	..	..	..	..	2	27·7	27·0	237
7	12·1	8·3	280	2	26·3	26·3	288	1	17·0	17·0	290	..	..	..	..	..	..	..	..
3	9·5	3·0	315	..	..	..	..	1	19·0	19·0	230	..	..	..	..	..	..	..	..
1	10·5	10·5	245	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1	15·0	15·0	225	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1	21·0	21·0	215	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
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..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
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Table 15.—Monthly means of direction

Heights in Km.	Poona. Height above sea 0·58 Km.				Deigh Road. Height above sea 0·01 Km. Morning.				Deigh Road. Height above sea 0·01 Km. Evening.			
	n	V	v	L	n	V	v	L	n	V	v	L
Ground level	31	0·8	0·3	106	31	2·2	2·1	45	31	3·5	0·7	117
0·2 above ground	31	3·2	2·3	99	31	6·9	5·8	53	31	4·7	1·4	137
0·5 ,, ,,	31	5·0	3·7	121	31	6·6	4·2	53	31	4·5	1·4	76
0·5 ,, sea	..	..	..	..	31	6·6	4·2	53	31	4·5	1·4	76
1·0 ,, ,,	..	..	..	..	30	4·1	0·9	340	31	4·6	1·6	53
1·5 ,, ,,	31	5·1	3·8	134	30	4·4	0·7	302	31	4·2	1·1	23
2·0 ,, ,,	31	5·0	2·6	153	30	5·3	1·6	249	29	4·7	1·0	325
2·5 ,, ,,	31	5·1	2·0	176	30	5·7	3·0	251	29	5·5	2·2	288
3·0 ,, ,,	31	5·9	2·6	210	30	6·8	5·5	259	27	6·6	3·8	275
3·5 ,, ,,	31	7·4	4·6	241	27	7·9	6·3	260	27	8·0	5·3	276
4·0 ,, ,,	31	8·2	6·1	253	26	9·7	8·0	261	25	9·5	7·1	274
4·5 ,, ,,	29	8·4	6·4	262	26	11·9	10·4	262	25	11·3	8·7	271
5·0 ,, ,,	29	8·3	7·0	263	25	13·7	12·2	264	18	11·7	9·2	268
6·0 ,, ,,	27	10·6	10·2	255	23	18·1	16·0	270	14	14·5	13·7	264
7·0 ,, ,,	23	12·8	12·2	254	18	21·1	19·1	266	12	17·8	17·0	264
8·0 ,, ,,	20	16·5	15·3	259	16	24·1	22·2	268	7	20·5	18·7	260
9·0 ,, ,,	16	21·0	20·0	259	10	24·9	23·0	267	1	18·0	18·0	215
10·0 ,, ,,	7	19·6	19·0	265	3	25·7	24·9	293	1	13·5	13·5	230
11·0 ,, ,,	6	24·0	23·2	265	3	28·2	26·7	283	1	9·0	9·0	310
12·0 ,, ,,	3	33·8	32·8	264	1	24·0	24·0	270	1	7·0	7·0	350
13·0 ,, ,,	1	50·0	50·0	260	..	..	..	..	..	..	..	..
14·0 ,, ,,	..	..	..	..	..	..	..	..	..	..	..	..
15·0 ,, ,,	..	..	..	..	..	..	..	..	..	..	..	..
16·0 ,, ,,	..	..	..	..	..	..	..	..	..	..	..	..
17·0 ,, ,,	..	..	..	..	..	..	..	..	..	..	..	..
18·0 ,, ,,	..	..	..	..	..	..	..	..	..	..	..	..
19·0 ,, ,,	..	..	..	..	..	..	..	..	..	..	..	..

n = Number of flights.
V = Velocity of wind, regardless of direction, metres per second.
v = Velocity of resultant wind, taking account of direction, metres per second.
L = Direction of resultant wind, North Wind = 0° or 360°; East Wind = 90°.

and velocity of upper winds, December 1927—concld.

Madras.				Port Blair.				Gwador.				Bahrein.				Bait-al-Falaj.							
Height above sea 0·01 Km.				Height above sea 0·04 Km.				Height above sea 0·01 Km.				Height above sea 0·0 Km.				Height above sea 0·02 Km.							
																Morning.				Evening.			
n	V	v	L	n	V	v	L	n	V	v	L	n	V	v	L	n	V	v	L	n	V	v	L
31	1·8	1·7	6	31	4·6	3·5	49	31	2·9	1·1	61	23	3·0	2·5	202	23	0·9	0·6	202	22	4·3	2·9	21
31	6·5	6·3	31	31	7·1	6·0	60	31	4·1	1·3	43	23	8·8	5·8	306	23	2·5	1·7	242	22	3·7	2·3	18
31	7·7	7·5	43	31	7·6	6·9	68	31	4·2	0·3	20	23	9·3	5·9	331	23	3·1	1·5	289	22	3·1	1·7	3
31	7·7	7·5	43	31	7·6	6·9	68	31	4·2	0·3	20	23	9·3	5·9	331	23	3·1	1·5	289	22	3·1	1·7	3
29	7·4	7·0	50	28	6·6	6·0	79	30	4·5	1·3	243	22	8·7	5·5	322	23	3·3	1·7	300	21	3·2	1·9	301
29	6·8	5·6	58	27	5·5	4·5	88	29	4·9	1·9	251	19	9·1	5·5	304	22	4·3	3·0	288	20	4·6	3·9	250
28	6·2	4·8	68	25	5·4	3·1	94	29	5·7	3·0	259	13	7·5	4·9	327	21	4·8	3·5	307	18	5·5	4·5	261
27	5·3	2·9	57	22	5·2	2·4	111	28	6·6	4·2	276	10	6·5	4·7	317	21	5·8	4·4	309	17	6·7	5·9	285
26	4·8	2·3	47	19	4·9	2·5	140	28	7·8	6·0	277	9	6·1	4·3	304	18	7·7	6·5	296	17	8·5	7·6	296
25	4·1	1·2	40	19	4·8	3·1	122	27	9·6	8·1	281	9	7·0	4·9	294	18	9·3	8·2	286	17	10·5	9·3	297
24	3·5	1·0	342	17	4·9	3·6	103	27	11·2	9·5	278	9	8·9	7·3	294	18	10·9	10·0	284	16	14·4	11·3	295
24	3·2	0·6	287	17	5·1	4·1	97	26	12·1	10·4	277	9	9·9	8·4	293	16	11·7	11·1	292	15	15·0	13·8	293
24	4·0	1·5	251	16	4·8	3·8	99	23	13·0	11·2	276	9	10·9	9·3	295	13	14·0	12·9	292	13	17·7	14·6	289
19	5·9	4·1	233	15	5·7	4·1	86	25	16·3	14·2	274	8	14·6	12·8	281	10	13·9	13·5	286	11	18·1	16·6	289
17	6·2	3·5	215	11	5·0	3·5	95	13	18·4	15·9	288	2	18·3	17·8	292	7	16·5	15·4	288	8	21·6	20·0	290
11	8·0	4·1	233	10	6·1	2·2	108	8	24·3	23·3	297	1	22·5	22·5	250	3	16·7	16·5	295	2	23·5	25·3	300
8	9·0	5·6	232	5	4·7	2·3	217	4	29·0	28·1	301	1	32·0	32·0	235	1	14·5	14·5	315	..	..	..	..
6	12·8	11·7	224	3	6·8	3·9	288	3	41·7	41·2	311	..	..	..	..	1	17·0	17·0	320	..	..	..	..
5	18·1	15·5	221	2	14·0	13·1	295	..	..	..	..	..	..	..	..	1	21·5	21·5	320	..	..	..	..
1	18·0	18·0	195	2	15·3	14·7	306	..	..	..	..	..	..	..	..	1	32·5	32·5	320	..	..	..	..
..	..	..	..	2	17·3	16·7	309	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	1	7·5	7·5	295	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	1	7·5	7·5	240	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
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CLOUD MOVEMENT.

The following table gives the percentage frequencies of direction of movement of high, middle and low clouds and of the ground winds at 20 stations in India, Burma and the Persian Gulf.

TABLE 16.—*Percentage frequencies of direction of movement of clouds and of ground wind during the year 1927.*

Quetta.

HIGH CLOUDS.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
January	6	..	13	..	..	..	59	22	..	16
February	..	..	..	..	..	23	77	..	..	11
March	..	..	..	..	..	10	85	5	..	10
April	..	..	..	..	6	35	58	2	..	26
May	..	..	..	..	..	50	..	50	..	2
June	..	..	..	..	..	..	..	..	..	0
July	..	..	..	..	..	50	50	..	..	2
August	..	17	..	25	17	42	..	..	..	6
September	..	..	..	..	..	100	..	..	..	1
October	..	..	..	13	6	50	31	..	..	8
November	4	..	..	..	..	65	23	8	..	13
December	..	..	..	..	3	50	47	..	..	19

LOW CLOUDS.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
January	..	..	9	..	..	20	59	13	..	23
February	..	..	..	..	..	38	45	17	..	30
March	..	..	..	..	..	50	38	12	..	30
April	..	..	..	..	10	33	49	8	..	36
May	..	..	..	..	..	27	60	7	..	22
June	..	..	..	..	7	13	53	27	..	15
July	14	50	5	2	2	9	9	7	..	21
August	8	58	..	..	..	17	..	17	..	6
September	..	10	30	20	..	20	20	..	..	5
October	..	..	..	..	..	43	57	..	..	7
November	..	..	..	..	..	50	50	..	..	3
December	..	..	..	5	..	55	36	5	..	21

MIDDLE CLOUDS.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
January	..	..	..	..	..	14	79	7	..	7
February	..	..	..	..	..	10	60	30	..	15
March	..	..	..	..	..	20	80	..	..	5
April	..	..	..	..	..	75	25	..	..	4
May	..	..	..	..	..	..	..	..	..	0
June	..	..	..	..	..	25	25	50	..	2
July	10	..	60	..	..	20	..	10	..	5
August	..	..	50	..	50	..	..	..	..	2
September	..	..	10	70	..	..	20	..	..	5
October	..	..	..	..	..	75	25	..	..	2
November	..	..	..	..	..	100	..	..	..	3
December	..	..	..	..	..	69	31	..	..	13

GROUND WIND.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
January	6	..	1	24	3	..	11	17	38	66
February	5	1	5	9	6	6	13	13	43	79
March	9	1	2	5	9	6	24	15	29	86
April	7	1	4	4	14	5	16	16	33	69
May	4	..	2	3	3	1	16	27	45	93
June	7	..	..	1	3	1	13	27	48	90
July	7	1	4	11	13	13	3	18	30	71
August	10	1	5	8	6	4	8	23	34	93
September	3	..	2	6	3	2	15	29	39	85
October	14	..	..	..	..	6	17	19	45	18
November	10	..	..	9	10	3	6	25	36	55
December	5	..	3	7	13	5	5	14	49	90

N.B.—Total number of observations represents the sum of the 8, 12 and 16 hours observations.

TABLE 16.—*Percentage frequencies of direction of movement of clouds and of ground wind during the year 1927*—contd.

Peshawar.

HIGH CLOUDS.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
January	..	..	..	..	..	40	40	20	..	5
February	..	..	..	..	33	25	42	..	..	6
March	..	..	17	17	..	..	33	33	..	3
April	..	..	8	..	..	13	63	17	..	12
May	..	..	..	..	7	50	7	36	..	7
June	..	..	..	..	8	50	35	8	..	13
July	..	..	..	25	25	..	50	..	..	4
August	..	..	13	..	19	31	25	13	..	8
September	..	..	..	..	..	33	50	17	..	6
October	..	..	17	..	..	33	50	..	..	6
November	..	3	..	..	..	11	71	15	..	31
December	..	..	..	3	..	27	65	5	..	40

LOW CLOUDS.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
January	11	..	11	17	17	33	11	..	..	9
February	17	3	9	11	12	18	14	17	..	33
March	2	5	14	..	26	33	15	5	..	29
April	8	..	6	9	9	31	28	8	..	32
May	..	3	2	6	13	30	30	17	..	32
June	2	7	2	2	4	33	35	15	..	23
July	6	7	5	13	11	21	20	16	..	47
August	9	9	3	6	21	16	22	14	1	75
September	8	..	3	7	5	32	30	15	..	30
October	..	..	50	..	..	25	25	..	..	2
November	..	..	..	..	14	29	43	14	..	7
December	..	5	10	25	13	27	8	13	..	20

MIDDLE CLOUDS.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
January	..	..	..	2	11	33	42	11	..	44
February	4	2	4	4	5	45	27	10	..	41
March	5	2	..	8	8	25	45	8	..	32
April	1	3	..	3	9	32	38	15	..	38
May	4	..	..	4	13	23	40	15	..	34
June	4	..	..	..	2	52	23	19	..	24
July	17	7	..	..	11	20	17	28	..	27
August	7	6	..	6	4	44	22	10	..	34
September	..	..	2	12	..	26	48	12	..	29
October	4	19	..	..	8	27	35	8	..	13
November	..	..	..	6	..	17	72	6	..	18
December	3	..	4	13	6	43	29	1	..	34

GROUND WIND.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
January	5	5	12	6	14	3	4	5	46	50
February	8	8	4	9	7	3	3	3	54	61
March	15	7	5	7	8	7	2	11	39	52
April	12	5	12	3	6	11	2	6	45	54
May	8	15	16	6	12	2	7	4	29	55
June	7	6	9	2	6	17	13	1	38	47
July	7	22	11	5	8	1	4	5	37	64
August	12	17	8	1	3	..	1	9	48	65
September	17	12	5	..	2	..	7	7	50	42
October	5	..	5	5	0	..	..	..	84	19
November	2	..	7	5	6	3	..	..	77	44
December	1	..	3	3	13	7	1	2	70	74

TABLE 16.—*Percentage frequencies of direction of movement of clouds and of ground wind during the year 1927.*

Musket (Bait-al-falaj).

(Opened on 23rd September 1927.)

HIGH CLOUDS.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
September	..	..	..	..	..	..	..	..	..	0
October	..	..	..	..	..	37	63	..	..	4
November	..	..	..	..	..	..	..	..	..	0
December	..	..	..	..	..	42	59	..	..	6

LOW CLOUDS.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
September	..	..	..	..	50	50	..	..	..	1
October	..	40	..	..	..	20	30	10	..	5
November	..	..	20	20	20	20	..	20	..	5
December	5	11	4	2	7	20	39	11	..	27

MIDDLE CLOUDS.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
September	..	..	..	..	..	..	..	..	100	1
October	..	20	..	..	..	50	10	20	..	5
November	..	..	..	..	..	..	50	50	..	2
December	..	..	..	17	..	25	25	33	..	6

GROUND WIND.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
September	..	..	..	..	..	..	..	..	100	2
October	27	27	12	12	6	..	18	..	..	17
November	17	6	11	..	6	17	33	..	11	9
December	23	..	15	5	10	..	13	15	18	39

TABLE 16.—*Percentage frequencies of direction of movement of clouds and of ground wind during the year 1927*—contd.

Gwadar.

(Opened on 23rd September 1927.)

HIGH CLOUDS.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
September	..	..	..	..	..	..	..	..	..	0
October	..	..	..	..	..	..	100	..	..	3
November	..	..	..	..	..	67	..	..	33	3
December	..	..	..	..	..	30	50	..	20	10

LOW CLOUDS.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
September	..	..	11	22	11	..	50	5	..	9
October	..	..	1	4	11	40	44	..	..	40
November	..	..	..	..	33	67	..	..	..	3
December	..	..	9	15	17	41	..	17	..	23

MIDDLE CLOUDS.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
September	..	..	..	..	..	100	..	..	..	1
October	..	..	..	..	..	..	..	..	..	0
November	..	..	..	..	..	..	..	..	..	0
December	..	..	..	..	..	50	50	..	..	2

GROUND WIND.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
September	..	..	..	2	9	37	32	2	18	22
October	1	1	12	3	16	23	22	2	21	93
November	2	1	8	6	11	11	31	8	3	90
December	3	7	33	3	2	10	16	5	20	94

TABLE 16.—*Percentage frequencies of direction of movement of clouds and of ground wind during the year 1927*—contd.

Bahrein.

(Opened in November 1927.)

HIGH CLOUDS.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
November	..	..	..	..	..	..	50	50	..	1
December	..	..	..	..	..	..	..	..	..	0

LOW CLOUDS.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
November	..	..	..	..	10	45	35	10	..	10
December	8	..	..	..	1	41	28	22	..	37

MIDDLE CLOUDS.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
November	..	..	..	..	..	80	20	..	..	5
December	..	..	..	..	..	..	50	50	..	2

GROUND WIND.

Months.	N.	N.E.	S.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
November	..	..	3	25	22	9	22	13	6	16
December	13	..	5	9	9	4	27	26	7	40

TABLE 16.—*Percentage frequencies of direction of movement of clouds and of ground wind during the year 1927*—contd.

Lahore.

HIGH CLOUDS.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
January	..	..	..	..	..	40	30	30	..	5
February	..	..	..	..	..	13	87	..	..	15
March	..	..	..	..	..	6	87	6	..	8
April	7	11	..	..	9	28	37	9	..	23
May	..	..	67	..	..	..	17	17	..	3
June	..	..	..	..	..	75	25	..	..	2
July	..	..	50	..	..	50	..	..	..	2
August	..	..	33	..	17	50	..	..	..	3
September	..	..	..	..	..	75	25	..	..	2
October	..	..	..	..	..	..	50	50	..	2
November	..	..	..	..	20	15	55	10	..	10
December	..	..	..	..	2	43	55	..	..	21

LOW CLOUDS.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
January	6	..	..	6	31	25	25	6	..	8
February	..	10	3	..	10	33	37	7	..	15
March	..	..	13	17	75	..	..	..	..	4
April	..	..	..	..	..	50	50	..	..	2
May	..	..	..	13	13	..	50	25	..	4
June	..	..	..	..	..	..	..	..	..	..
July	18	10	18	19	5	2	11	18	..	31
August	17	7	7	25	18	12	8	7	..	30
September	63	13	..	..	..	..	25	..	..	4
October	..	..	..	..	..	..	..	..	..	..
November	100	..	..	..	..	..	..	..	..	1
December	..	..	10	10	40	20	20	..	..	5

MIDDLE CLOUDS.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
January	..	..	..	..	13	31	56	..	..	8
February	..	..	..	..	..	55	39	5	..	19
March	..	..	..	..	17	33	50	..	..	6
April	10	..	..	..	..	45	45	..	..	10
May	..	..	..	..	..	13	37	50	..	4
June	..	..	..	..	..	63	31	6	7	8
July	14	14	7	11	11	14	14	7	..	14
August	22	6	17	..	14	22	14	6	..	18
September	..	..	..	..	11	72	17	..	..	9
October	..	..	..	..	33	17	..	..	..	3
November	..	..	..	..	..	13	87	..	..	4
December	..	..	..	9	..	77	14	..	..	11

GROUND WIND.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
January	1	7	6	13	..	..	3	24	46	35
February	6	5	4	4	2	2	5	26	45	64
March	4	13	2	10	..	..	3	37	25	24
April	16	10	4	3	2	3	14	13	35	52
May	6	..	17	17	11	..	6	..	44	18
June	15	..	..	8	..	..	8	8	61	13
July	5	10	15	30	3	..	2	6	28	68
August	..	5	16	11	11	4	5	3	44	70
September	23	7	..	..	..	..	..	10	60	20
October	13	..	..	..	..	..	6	31	50	8
November	2	..	..	9	..	..	..	17	71	21
December	2	2	1	10	1	..	2	4	79	62

TABLE 16.—*Percentage frequencies of direction of movement of clouds and of ground wind during the year 1927*—contd.

Agra.

HIGH CLOUDS.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
January	..	..	..	..	..	..	74	26	..	21
February	..	..	..	..	..	..	94	6	..	17
March	..	..	..	..	..	..	92	8	..	12
April	..	..	..	..	..	9	74	17	..	21
May	..	..	..	..	..	..	100	..	..	6
June	..	..	..	..	..	..	..	..	..	0
July	..	4	61	11	..	8	..	8	8	13
August	..	..	61	21	16	3	..	..	..	19
September	..	..	..	25	25	17	33	..	..	6
October	..	..	..	..	..	..	100	..	..	3
November	..	..	..	..	..	31	67	2	..	21
December	..	..	..	..	..	39	60	2	..	31

LOW CLOUDS.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
January	..	..	..	..	..	100	..	..	..	2
February	2	..	..	..	..	20	57	20	..	22
March	..	..	..	..	4	27	59	9	..	11
April	..	..	..	..	..	17	72	11	..	9
May	4	..	..	..	7	14	32	43	..	14
June	5	5	10	..	2	14	33	31	..	21
July	11	11	31	16	10	3	9	12	..	60
August	12	11	25	9	4	5	22	10	1	69
September	11	11	..	11	7	11	24	24	..	27
October	17	10	..	..	..	10	33	30	..	20
November	37	13	8	17	8	..	4	13	..	12
December	..	..	..	..	37	63	..	..	..	4

MIDDLE CLOUDS.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
January	..	..	..	..	..	..	86	14	..	7
February	..	..	..	..	..	19	75	5	..	16
March	..	..	..	..	..	50	50	..	..	6
April	..	..	..	..	..	25	55	20	..	10
May	3	..	..	6	6	6	44	34	..	16
June	..	15	..	..	4	42	23	15	..	13
July	7	7	37	13	4	..	13	19	..	23
August	..	8	25	13	13	13	29	..	..	12
September	..	27	..	18	..	41	14	..	..	11
October	7	..	..	7	..	14	43	29	..	14
November	..	..	..	..	..	50	50	..	..	4
December	..	..	..	..	8	42	50	..	..	6

GROUND WIND.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
January	4	4	8	2	8	6	33	13	23	26
February	7	11	7	6	6	2	30	17	12	41
March	4	..	8	8	8	15	19	25	13	24
April	2	3	6	3	16	16	36	16	3	33
May	16	13	11	3	5	6	15	27	3	31
June	9	11	11	3	3	9	24	24	6	35
July	6	8	28	12	10	9	6	11	12	76
August	5	15	19	11	7	19	16	7	1	78
September	16	10	4	1	1	19	19	25	3	34
October	6	8	5	6	3	4	19	38	10	39
November	11	11	10	..	6	4	10	33	15	40
December	8	4	14	16	2	2	14	15	24	42

TABLE 16.—*Percentage frequencies of direction of movement of clouds and of ground wind during the year 1927*—contd.

Simla.

HIGH CLOUDS.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
January	..	..	..	..	..	..	92	8	..	6
February	..	..	..	..	..	..	95	5	..	9
March	..	..	..	..	..	10	90	..	..	5
April	..	..	2	5	5	5	58	14	..	28
May	..	..	..	..	..	25	75	..	..	6
June	..	..	..	..	..	61	28	11	..	9
July	33	17	..	..	..	50	..	..	..	6
August	..	..	..	..	40	30	10	..	20	5
September	10	..	..	..	..	50	30	10	..	5
October	30	..	..	..	..	10	30	30	..	5
November	..	..	..	..	..	28	55	17	..	9
December	..	..	..	..	..	28	66	6	..	16

LOW CLOUDS.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
January	..	..	4	39	11	31	4	11	..	13
February	..	..	..	28	5	36	30	..	..	18
March	..	..	..	..	13	34	53	..	..	19
April	..	..	..	..	24	38	33	..	5	21
May	..	5	3	5	7	27	38	12	3	30
June	8	..	..	4	11	23	11	35	8	37
July	6	3	4	9	9	17	17	36	..	35
August	18	..	11	36	3	..	..	18	14	14
September	3	..	..	11	11	13	3	57	4	23
October	3	..	..	22	5	3	9	33	24	29
November	..	..	..	..	..	..	..	..	100	1
December	..	..	..	..	75	25	..	..	..	2

MIDDLE CLOUDS.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
January	..	..	..	..	2	22	69	7	..	23
February	..	..	..	..	8	14	55	22	..	18
March	..	..	..	..	37	50	13	..	..	4
April	..	..	..	..	13	37	50	..	..	4
May	..	..	4	4	..	18	36	39	..	14
June	..	..	..	2	9	55	25	9	..	28
July	6	..	3	31	22	6	13	19	..	16
August	..	..	..	5	5	9	5	23	9	11
September	..	..	..	6	25	56	..	13	..	8
October	8	..	4	29	25	25	..	8	..	12
November	5	14	..	..	18	18	23	14	9	11
December	..	..	8	8	4	61	19	..	..	13

GROUND WIND.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
January	13	1	..	8	53	7	1	1	19	92
February	20	2	..	11	39	1	3	..	24	71
March	30	2	..	7	23	7	1	7	24	86
April	28	1	..	12	15	1	2	23	16	67
May	43	4	..	7	12	7	2	10	15	73
June	24	1	1	9	18	14	10	8	15	74
July	30	4	..	12	24	3	2	3	22	59
August	54	..	4	..	19	..	..	8	15	26
September	13	..	..	..	16	10	5	29	26	19
October	27	2	..	3	8	5	2	16	35	62
November	38	..	..	1	5	2	..	4	49	45
December	17	..	1	2	29	6	..	3	43	61

TABLE 16.—*Percentage frequencies of direction of movement of clouds and of ground wind during the year 1927*—contd.

Alipur.

HIGH CLOUDS.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
January	..	..	..	..	..	..	..	..	..	..
February	..	..	..	..	..	..	..	..	..	..
March	..	..	..	..	..	..	..	..	..	..
April	..	..	..	..	..	33	33	33	..	3
May	..	..	..	..	67	..	..	..	33	3
June	..	..	..	..	..	..	..	..	..	..
July	..	..	..	..	..	..	..	..	..	..
August	..	25	25	..	..	..	25	..	25	4
September	..	..	..	..	..	..	..	..	..	..
October	33	17	17	33	..	..	..	..	..	3
November	..	..	..	..	..	50	50	..	..	5
December	..	..	..	..	..	30	70	..	..	5

LOW CLOUDS.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
January	..	..	10	..	15	20	45	10	..	10
February	13	13	25	25	..	..	13	13	..	4
March	..	..	..	..	10	50	..	40	..	5
April	..	..	..	..	44	44	..	11	..	9
May	..	..	6	11	42	31	11	..	..	18
June	..	..	23	43	27	7	..	..	..	20
July	..	..	27	7	37	30	..	..	..	15
August	..	14	22	56	3	6	..	..	..	18
September	..	..	..	..	..	..	..	..	..	..
October	11	23	23	2	..	23	7	7	5	22
November	50	33	..	..	..	..	..	17	..	6
December	27	45	..	..	..	..	..	27	..	11

MIDDLE CLOUDS.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
January	..	..	..	..	..	33	33	33	..	3
February	..	..	..	..	..	..	100	..	..	1
March	..	..	..	..	..	..	100	..	..	2
April	..	..	..	..	..	100	..	..	..	1
May	..	..	..	..	..	100	..	..	..	2
June	..	100	..	..	..	..	..	..	..	1
July	..	..	..	..	..	..	..	..	..	..
August	..	..	50	..	..	..	50	..	..	2
September	..	..	..	..	..	..	..	..	..	..
October	100	..	..	..	..	..	..	..	..	1
November	33	..	..	..	33	..	33	..	..	3
December	..	..	..	..	..	..	..	..	..	..

GROUND WIND.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
January	9	20	7	10	7	10	3	9	26	35
February	18	24	13	3	..	16	..	21	5	19
March	3	..	3	10	20	33	..	23	7	15
April	..	..	3	8	25	53	3	7	..	30
May	2	4	12	19	15	34	2	7	5	64
June	..	4	15	34	25	20	1	..	1	73
July	3	3	24	27	20	19	2	5	2	86
August	1	8	24	38	13	9	4	1	1	90
September	1	2	7	34	27	20	5	1	3	81
October	5	10	16	11	9	25	4	16	2	49
November	21	23	9	9	..	6	..	27	6	17
December	23	29	8	..	..	..	4	29	8	26

TABLE 16.—*Percentage frequencies of direction of movement of clouds and of ground wind during the year 1927*—contd.

Diamond Harbour.

N. B.—Observations taken from 26th May 1927.

HIGH CLOUDS.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
June	..	20	20	60	..	..	..	..	..	5
July	..	..	50	..	..	50	..	..	..	2
August	..	..	87	13	..	..	..	..	..	4
September	..	..	75	25	..	..	..	..	..	4
October	..	..	67	..	33	..	..	..	..	3
November	..	..	..	..	..	50	25	25	..	2
December	..	..	..	..	..	40	50	10	..	10

LOW CLOUDS.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
June	..	4	17	8	33	37	..	..	..	24
July	4	10	27	17	25	17	..	..	..	24
August	6	6	21	26	21	15	3	3	..	36
September	..	6	9	9	25	40	12	..	..	34
October	7	17	2	2	13	37	7	15	..	23
November	39	34	..	..	16	11	..	..	..	22
December	25	58	..	..	17	..	..	..	..	6

MIDDLE CLOUDS.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
June	..	25	25	..	..	..	..	50	..	2
July	..	..	50	50	..	..	..	..	..	2
August	10	..	60	..	..	20	..	10	..	5
September	..	..	..	..	..	50	25	25	..	4
October	25	..	25	..	..	25	..	25	..	4
November	..	..	..	..	100	..	..	..	..	1
December	20	20	..	..	..	30	30	..	..	5

GROUND WIND.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No of obsns.
June	..	8	6	15	60	6	..	..	4	90
July	3	8	22	23	28	8	2	5	..	92
August	6	8	27	8	17	16	1	2	15	92
September	..	1	12	15	35	13	3	2	19	89
October	2	12	7	4	23	8	7	16	20	54
November	53	36	1	..	..	3	3	3	..	33
December	32	40	4	..	4	..	2	10	8	25

TABLE 16.—*Percentage frequencies of direction of movement of clouds and of ground wind during the year 1927*—contd.

Jaipur.

HIGH CLOUDS.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
January	..	..	8	..	4	12	46	31	..	13
February	..	..	..	..	..	29	59	12	..	17
March	..	..	..	..	8	33	50	8	..	6
April	..	..	..	..	9	37	35	20	..	23
May	..	..	..	..	..	..	100	..	..	1
June	..	..	..	..	25	50	25	..	..	2
July	25	25	13	..	..	13	13	13	..	4
August	..	50	..	..	..	25	25	..	..	2
September	17	33	..	33	..	..	..	17	..	3
October	..	..	..	..	..	..	..	..	..	..
November	..	..	..	..	4	39	50	7	..	14
December	8	..	..	..	4	31	58	..	..	13

LOW CLOUDS.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
January	..	..	..	..	..	17	83	..	..	3
February	5	..	..	..	5	36	41	14	..	11
March	..	..	..	..	..	..	75	25	..	4
April	..	..	..	10	10	30	40	20	..	5
May	2	..	2	2	2	13	46	33	..	23
June	16	13	..	..	..	13	37	22	..	16
July	3	12	20	16	3	16	20	10	..	71
August	7	21	4	5	5	26	18	13	..	61
September	13	25	10	8	4	..	11	29	..	26
October	15	8	..	7	2	12	27	30	..	30
November	30	40	..	..	..	20	..	10	..	5
December	4	4	4	11	11	50	15	..	..	13

MIDDLE CLOUDS.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
January	..	..	..	..	..	50	42	8	..	6
February	..	3	3	..	10	20	57	7	..	20
March	..	..	8	..	4	13	50	25	..	12
April	..	..	..	..	..	17	45	38	..	21
May	..	3	3	..	3	25	43	25	..	20
June	7	11	2	..	4	22	44	11	..	23
July	9	27	14	..	..	9	18	23	..	11
August	10	14	2	18	8	20	6	22	..	25
September	11	7	4	2	4	22	22	28	..	23
October	..	13	4	8	4	25	25	21	..	12
November	25	10	..	..	..	15	15	35	..	10
December	8	..	..	4	8	35	42	4	..	13

GROUND WIND.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
January	11	12	5	1	4	10	3	17	37	93
February	10	12	1	1	1	15	20	16	25	84
March	3	10	6	4	4	15	21	18	18	93
April	5	3	2	2	3	33	28	13	10	90
May	5	4	2	2	5	27	31	14	11	93
June	6	8	1	..	1	38	27	15	3	90
July	11	15	9	6	5	16	18	6	13	93
August	10	11	3	2	7	28	15	15	9	93
September	4	7	4	..	2	31	25	12	15	90
October	6	8	1	1	..	7	41	23	17	93
November	11	4	2	2	10	4	26	14	28	90
December	7	1	15	8	9	5	11	9	35	93

TABLE 16.—*Percentage frequencies of direction of movement of clouds and of ground wind during the year 1927*—contd.

Drigh Road (Karachi).

HIGH CLOUDS.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
January	--	..	..	--	--	..	63	37	..	20
February	--	--	--	..	--	..	79	21	..	7
March	--	--	..	..	..	11	83	5	..	9
April	..	--	--	..	--	26	72	2	--	29
May	..	--	..	..	..	..	..	..	..	--
June	..	..	..	--	--	--	..	..	..	--
July	--	14	79	7	..	..	..	..	..	7
August	--	20	60	20	..	..	..	..	..	5
September	--	20	..	..	..	..	..	..	80	5
October	--	..	--	--	..	..	17	83	..	3
November	..	..	..	..	..	50	33	8	8	12
December	..	1	1	--	..	22	61	11	3	36

LOW CLOUDS.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
January	3	3	6	..	--	12	68	9	--	17
February	--	--	--	..	--	4	83	13	--	12
March	..	..	--	--	--	--	87	13	--	4
April	..	..	..	..	..	8	92	--	--	12
May	..	..	..	..	--	18	81	1	--	37
June	..	..	..	..	..	32	62	6	..	61
July	--	1	..	--	1	19	72	6	..	74
August	..	..	--	..	1	20	75	4	--	74
September	..	..	--	--	--	9	81	10	--	57
October	..	..	--	--	--	7	81	12	--	41
November	..	--	--	--	..	33	50	17	--	3
December	7	13	--	7	7	27	13	27	..	15

MIDDLE CLOUDS.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
January	..	--	--	..	..	..	100	--	..	6
February	..	--	..	--	..	7	93	--	..	14
March	--	--	--	--	..	--	..	..	..	--
April	--	--	--	--	..	19	81	--	..	13
May	..	--	..	--	--	--	50	50	..	2
June	25	25	--	--	--	--	50	--	..	2
July	31	31	14	3	--	6	14	3	..	18
August	7	39	18	7	..	..	29	--	..	14
September	--	36	7	14	14	21	7	--	..	7
October	7	7	--	14	14	--	21	7	29	7
November	8	31	--	--	..	19	39	4	--	13
December	--	7	--	--	7	21	57	7	--	14

GROUND WIND.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
January	1	34	22	--	3	28	4	..	8	87
February	--	30	--	--	..	25	17	5	23	30
March	..	--	--	..	--	4	96	--	..	12
April	--	..	..	--	--	25	71	2	2	49
May	--	--	..	--	..	18	66	3	13	38
June	..	..	..	--	1	35	56	..	8	61
July	..	..	--	..	..	31	63	5	1	89
August	--	--	--	1	1	40	48	5	6	84
September	..	--	--	..	--	24	55	5	16	69
October	--	3	1	--	--	15	58	..	23	51
November	--	25	13	4	--	13	17	4	23	26
December	--	54	8	10	2	13	4	--	10	52

TABLE 16.—*Percentage frequencies of direction of movement of clouds and of ground wind during the year 1927*—contd.

Akyab.

HIGH CLOUDS.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
January	..	..	..	..	..	..	50	50	..	2
February	..	..	..	..	..	..	..	..	..	..
March	..	..	..	..	..	..	83	17	..	9
April	25	..	..	..	..	..	25	50	..	4
May	4	..	8	8	17	37	21	4	..	12
June	..	..	..	100	..	..	..	..	..	2
July	..	..	..	50	25	25	..	..	..	2
August	..	..	67	17	17	..	..	..	..	6
September	..	..	28	28	..	11	..	..	33	9
October	13	..	25	13	..	..	19	6	25	8
November	..	..	..	..	..	..	100	..	..	1
December	..	..	..	..	..	..	..	..	..	..

LOW CLOUDS.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
January	..	..	..	14	..	57	29	..	..	7
February	..	..	..	..	..	67	22	11	..	9
March	10	10	..	5	5	20	50	..	..	10
April	2	3	5	2	2	47	16	25	..	32
May	11	8	6	19	6	8	23	19	..	26
June	..	..	5	38	..	19	34	5	..	32
July	..	..	..	36	38	26	..	..	..	21
August	..	..	2	37	37	5	13	3	..	31
September	3	3	11	16	8	38	21	1	..	38
October	7	19	9	21	12	14	9	7	..	21
November	8	42	17	17	..	8	8	..	..	6
December	..	100	..	..	..	..	..	..	..	4

MIDDLE CLOUDS.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
January	..	..	..	..	..	..	83	17	..	6
February	..	..	..	..	..	..	75	25	..	4
March	..	..	..	..	..	..	67	33	..	3
April	..	..	..	..	..	8	58	33	..	6
May	..	..	..	..	..	..	100	..	..	1
June	..	..	..	75	25	..	..	..	..	4
July	..	..	..	..	50	50	..	..	..	2
August	8	8	50	17	..	..	17	..	..	6
September	..	..	15	35	..	30	20	..	..	10
October	..	10	10	25	25	10	20	..	..	10
November	..	..	..	67	..	..	..	33	..	3
December	..	..	..	..	10	70	..	20	..	5

GROUND WIND.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
January	21	52	2	..	1	3	14	7	..	73
February	20	33	9	1	3	7	19	9	..	64
March	20	34	5	1	3	7	21	9	..	61
April	8	14	7	3	27	17	19	2	3	56
May	15	39	27	5	6	5	3	..	..	31
June	..	13	20	35	23	5	..	3	..	30
July	..	2	23	21	32	19	..	3	..	31
August	2	6	26	35	18	6	3	2	..	31
September	5	35	27	10	3	15	2	..	3	30
October	10	47	16	7	3	2	10	6	..	31
November	27	60	12	..	..	..	..	2	..	30
December	32	68	..	..	..	..	..	..	..	31

TABLE 16.—*Percentage frequencies of direction of movement of clouds and of ground wind during the year 1927*—contd.

Bombay.

HIGH CLOUDS.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
January	..	..	..	..	..	..	90	10	..	5
February	..	..	..	..	..	..	100	..	..	1
March	..	..	..	..	..	50	50	..	..	2
April	..	..	..	..	..	..	..	100	..	1
May	..	..	..	..	..	..	50	50	..	1
June	..	33	33	33	..	..	..	..	..	3
July	..	..	..	..	..	..	..	..	..	..
August	..	..	..	..	..	100	..	..	..	1
September	50	50	..	..	..	..	..	..	..	1
October	..	..	..	..	..	..	..	..	..	..
November	..	..	..	..	..	..	..	..	100	1
December	..	..	..	..	13	50	13	..	25	12

LOW CLOUDS.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
January	..	..	..	..	..	..	100	..	..	1
February	6	..	..	..	6	31	37	19	..	8
March	50	..	..	..	25	25	..	..	..	6
April	40	10	..	..	..	..	30	20	..	10
May	14	3	..	2	4	33	25	18	..	47
June	1	3	..	2	8	55	30	..	..	46
July	..	..	..	..	2	57	41	..	..	28
August	..	..	..	..	..	82	18	..	..	48
September	7	2	..	11	11	29	25	15	..	46
October	9	9	2	5	5	16	18	36	..	28
November	28	33	..	..	..	..	22	17	..	9
December	3	5	11	3	19	33	17	8	..	18

MIDDLE CLOUDS.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
January	..	..	..	..	..	..	..	..	..	..
February	25	..	..	..	13	63	..	..	..	4
March	..	..	..	14	29	21	36	..	..	7
April	..	..	..	..	36	50	11	14	..	7
May	..	..	..	..	75	25	..	..	..	4
June	..	23	5	11	17	22	17	..	..	9
July	..	..	100	..	..	..	..	..	..	1
August	..	..	..	..	..	86	..	14	..	7
September	..	15	8	15	..	4	31	4	23	13
October	6	19	..	13	6	31	6	6	13	8
November	..	..	..	10	20	50	..	..	20	5
December	..	..	..	..	14	75	5	5	..	18

GROUND WIND.

Months.	N.	N.E	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
January	10	19	5	1	..	2	7	56	1	93
February	17	15	7	1	2	6	11	42	..	84
March	10	13	4	1	1	2	2	45	2	93
April	13	3	4	4	1	3	25	47	..	90
May	3	..	1	2	8	25	40	20	1	93
June	4	..	2	5	17	37	30	5	1	90
July	..	..	..	1	3	40	54	2	..	93
August	..	..	..	..	2	59	38	1	..	93
September	10	2	3	7	10	14	29	23	1	90
October	8	13	11	9	3	5	16	35	..	93
November	6	33	19	1	..	..	8	33	..	90
December	5	27	16	2	1	2	8	39	..	93

TABLE 16.—*Percentage frequencies of direction of movement of clouds and of ground wind during the year 1927*—contd.

POONA.

HIGH CLOUDS.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
January	..	..	..	..	..	24	64	12	..	21
February	..	..	..	..	..	..	67	33	..	3
March	..	..	..	..	..	79	21	..	..	12
April	..	..	..	..	..	21	79	..	..	7
May	..	..	..	12	37	25	..	25	..	4
June	..	39	33	28	..	..	..	..	..	9
July	..	..	..	..	..	..	..	..	..	..
August	..	50	50	..	..	..	..	..	..	1
September	..	22	47	25	3	3	..	..	..	16
October	..	10	..	20	..	35	35	..	..	10
November	..	..	..	7	10	33	37	13	..	20
December	..	..	..	..	..	31	68	1	..	39

LOW CLOUDS.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
January	..	..	..	10	10	60	..	20	..	5
February	..	..	..	17	17	39	22	6	..	9
March	5	..	18	9	18	41	5	5	..	11
April	14	23	9	9	..	9	..	36	..	11
May	15	17	13	..	3	10	25	17	..	20
June	..	2	3	5	2	11	66	11	..	76
July	..	..	..	..	1	16	80	3	..	76
August	..	..	..	..	..	31	69	1	..	87
September	3	6	20	11	8	12	37	8	..	72
October	2	11	18	21	10	7	9	22	..	54
November	6	8	17	25	..	25	14	6	..	18
December	..	..	..	5	30	57	7	..	..	20

MIDDLE CLOUDS.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
January	..	7	7	..	..	14	50	21	..	7
February	..	..	..	..	..	17	17	67	..	3
March	3	3	..	..	19	69	6	..	..	16
April	..	..	..	15	15	50	10	10	..	10
May	15	15	15	40	10	5	..	..	..	10
June	6	28	8	39	8	6	..	6	..	18
July	10	25	20	20	..	10	..	15	..	10
August	..	36	50	..	..	..	14	..	..	7
September	..	27	15	21	13	8	4	12	..	26
October	6	14	5	8	5	18	18	27	..	93
November	..	22	33	6	17	11	11	..	..	9
December	..	..	..	7	..	50	36	7	..	14

GROUND WIND.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
January	6	5	3	4	26	9	6	14	27	40
February	13	3	3	..	15	27	29	10	10	29
March	1	1	1	..	10	34	21	27	5	43
April	10	..	..	..	3	27	19	40	..	31
May	4	..	..	..	2	28	30	37	2	45
June	..	1	..	..	2	42	38	12	6	90
July	..	..	..	..	..	52	48	..	..	93
August	..	..	..	..	4	52	39	..	5	93
September	5	3	1	1	6	33	32	10	10	90
October	2	12	4	3	10	27	22	7	10	82
November	..	21	32	4	4	7	2	..	10	47
December	1	31	15	5	12	11	2	..	29	65

TABLE 16.—*Percentage frequencies of direction of movement of clouds and of ground wind during the year 1927*—contd.

Port Blair.

HIGH CLOUDS.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
January	..	..	..	17	55	25	3	..	..	20
February	..	..	..	..	..	100	..	..	..	1
March	1	..	5	48	44	1	..	1	..	43
April	..	..	13	41	44	3	..	..	..	16
May	10	20	35	35	..	..	..	..	..	10
June	..	..	75	25	..	..	..	..	..	8
July	..	21	79	..	..	..	..	..	..	7
August	..	..	83	17	..	..	..	..	..	3
September	..	6	87	8	..	..	..	..	..	26
October	..	..	81	6	13	..	..	..	..	16
November	..	..	21	64	14	..	..	..	..	7
December	..	..	..	25	13	47	15	..	..	20

LOW CLOUDS.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
January	6	34	52	6	..	..	..	2	..	71
February	5	31	36	3	..	16	6	3	..	40
March	3	19	55	11	..	6	3	3	..	36
April	2	8	27	5	5	20	18	14	..	42
May	..	..	5	6	12	29	41	7	..	65
June	..	..	..	..	..	66	33	1	..	71
July	..	..	..	..	4	75	21	..	..	85
August	..	..	..	..	1	51	47	1	..	72
September	3	..	5	11	15	29	31	6	..	53
October	..	16	24	14	4	16	21	4	..	77
November	..	17	52	11	11	7	2	..	..	62
December	..	37	59	4	..	..	..	..	..	59

MIDDLE CLOUDS.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
January	..	..	50	50	..	..	..	..	..	3
February	..	..	..	..	6	13	81	..	..	8
March	..	..	..	100	..	..	..	..	..	3
April	..	..	..	..	..	75	25	..	..	2
May	..	50	50	..	..	..	..	..	..	4
June	..	..	..	..	..	..	..	..	..	..
July	..	..	70	10	20	..	..	..	..	5
August	13	19	56	..	..	..	13	..	..	8
September	..	17	22	22	6	11	19	3	..	18
October	8	31	6	14	17	11	8	6	..	18
November	3	6	53	19	17	..	..	3	..	18
December	4	11	15	15	19	8	8	..	..	13

GROUND WIND.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
January	12	60	21	1	..	..	4	1	..	77
February	17	39	10	11	4	3	3	3	..	45
March	9	28	31	7	1	..	15	9	1	65
April	..	8	21	11	2	9	27	16	6	52
May	..	..	3	6	16	23	45	7	..	67
June	..	..	..	..	5	68	26	..	1	72
July	..	..	..	..	3	76	21	..	..	89
August	..	..	..	..	5	62	31	1	1	74
September	1	..	1	2	10	37	10	7	24	82
October	2	13	11	17	6	22	12	6	10	79
November	2	32	30	11	5	5	7	2	6	67
December	13	47	22	6	1	1	3	6	..	73

TABLE 16.—*Percentage frequencies of direction of movement of clouds and of ground wind during the year 1927*—contd.

Madras.

HIGH CLOUDS.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
January	..	..	9	27	9	23	14	..	18	11
February	..	..	..	..	40	30	30	..	..	5
March	..	..	25	45	21	..	5	..	5	22
April	..	..	..	..	29	25	8	4	33	12
May	2	13	27	30	5	2	..	..	21	28
June	4	16	72	8	..	..	..	..	..	25
July	..	25	47	9	..	3	13	..	..	16
August	..	2	58	4	..	..	5	..	..	19
September	4	15	69	13	..	..	..	..	..	27
October	4	4	31	27	8	13	2	4	8	26
November	6	..	28	22	25	9	9	..	..	16
December	..	..	..	..	12	47	41	..	..	17

LOW CLOUDS.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
January	1	47	31	17	3	1	..	..	..	75
February	2	17	45	14	16	5	1	..	..	58
March	2	10	26	29	20	14	..	..	..	47
April	..	..	16	22	41	16	6	..	..	16
May	10	20	26	..	6	30	..	8	..	25
June	1	..	..	8	5	11	50	24	..	39
July	1	3	1	7	2	19	43	25	..	61
August	2	4	4	..	7	20	48	15	..	23
September	25	7	5	6	4	17	23	13	..	49
October	6	33	10	..	2	5	17	27	..	58
November	11	35	33	7	5	5	4	1	..	69
December	7	73	18	..	..	..	..	1	..	80

MIDDLE CLOUDS.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
January	..	17	42	8	25	8	..	..	..	6
February	..	..	..	..	7	50	14	14	14	7
March	25	..	..	25	50	..	..	..	..	4
April	3	17	20	17	13	..	..	10	20	15
May	12	35	27	3	2	2	7	3	10	30
June	11	14	4	7	..	25	25	14	..	28
July	..	2	5	..	4	12	67	4	..	42
August	2	4	4	2	17	20	31	20	..	27
September	3	6	6	15	6	26	32	6	..	17
October	9	5	14	18	..	9	14	32	..	11
November	5	30	25	20	..	20	..	..	..	10
December	..	..	17	..	33	50	..	..	..	6

GROUND WIND.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
January	21	20	17	7	4	1	..	4	27	93
February	6	11	15	24	14	1	..	1	29	84
March	1	2	5	30	24	14	2	1	21	93
April	..	..	2	17	43	23	3	..	11	90
May	..	1	9	23	19	15	19	2	12	93
June	1	3	3	9	11	31	32	7	4	90
July	3	3	5	3	6	29	35	10	7	93
August	..	..	1	12	9	24	34	2	18	93
September	2	1	6	21	12	19	15	3	21	90
October	16	9	5	10	7	12	13	13	14	93
November	31	15	9	6	3	2	4	17	12	90
December	48	23	7	..	..	1	..	11	10	93

TABLE 16.—*Percentage frequencies of direction of movement of clouds and of ground wind during the year 1927*—contd.

Bangalore.

HIGH CLOUDS.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
January	..	..	..	37	23	37	3	..	..	15
February	..	..	..	33	..	67	..	..	..	3
March	..	12	3	32	35	18	..	..	..	17
April	..	..	..	21	36	29	14	..	..	7
May	4	23	27	11	8	11	4	11	..	13
June	..	..	..	..	..	..	..	..	..	..
July	..	..	..	..	..	..	..	..	..	..
August	..	10	70	20	..	..	..	..	..	5
September	..	8	50	8	..	17	17	..	..	6
October	..	14	14	25	19	19	8	..	..	18
November	..	..	..	14	43	29	14	..	..	7
December	..	..	..	6	21	56	18	..	..	17

LOW CLOUDS.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
January	3	31	31	34	3	..	..	..	..	32
February	..	9	43	13	2	20	13	..	..	23
March	2	8	26	34	5	15	10	2	..	31
April	2	27	32	13	4	4	5	14	..	28
May	8	20	4	1	..	19	31	17	..	55
June	..	..	..	..	..	26	53	21	..	82
July	..	..	..	..	..	11	75	14	..	78
August	4	..	..	..	..	7	82	7	..	82
September	4	3	4	4	4	10	55	16	..	70
October	8	17	9	7	..	14	33	12	..	59
November	6	14	26	20	16	10	2	6	..	44
December	..	20	61	13	..	2	4	..	..	50

MIDDLE CLOUDS.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
January	..	29	..	36	7	14	14	..	..	7
February	..	33	..	..	17	50	..	..	..	3
March	17	..	25	58	..	..	..	..	..	6
April	..	25	35	30	5	5	..	..	..	10
May	11	35	8	31	8	8	..	..	..	13
June	..	43	7	21	14	14	..	..	..	7
July	..	..	..	..	..	..	..	..	..	..
August	..	..	50	50	..	..	..	..	..	1
September	..	33	..	..	17	50	..	..	..	3
October	..	22	11	22	..	..	11	33	..	9
November	..	25	6	4	..	13	13	..	..	8
December	..	..	..	25	..	37	25	13	..	4

GROUND WIND.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
January	1	17	45	35	3	..	..	..	..	55
February	..	3	38	35	2	15	7	..	..	29
March	..	2	33	35	6	9	14	1	..	49
April	2	17	22	10	7	13	15	10	5	44
May	9	5	2	2	1	12	52	17	..	71
June	1	..	..	..	1	39	51	9	..	87
July	..	..	..	..	1	34	63	3	..	79
August	1	..	..	..	..	22	68	9	..	82
September	3	3	3	1	5	19	44	19	1	76
October	9	25	15	2	2	13	24	5	5	79
November	7	26	22	11	9	8	2	7	7	54
December	3	34	45	10	2	..	..	2	3	67

TABLE 16.—*Percentage frequencies of direction of movements of clouds and of ground wind during the year 1927*—contd.

Kodai Kanal.

HIGH CLOUDS.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
January	..	3	37	47	3	10	..	..	..	15
February	..	..	22	45	..	22	5	6	..	9
March	..	..	19	71	11	..	..	..	..	27
April	..	20	..	60	20	..	..	..	..	5
May	8	42	25	25	..	..	..	..	..	12
June	..	17	78	6	..	..	..	..	..	9
July	38	13	13	25	..	..	..	13	..	4
August	13	25	50	13	..	..	..	..	..	8
September	..	13	87	..	..	..	..	..	..	8
October	8	4	42	42	4	..	..	..	..	13
November	..	..	34	53	11	3	..	..	..	19
December	..	..	..	..	9	67	25	..	..	12

LOW CLOUDS.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
January	11	24	30	19	5	5	3	3	..	37
February	13	20	15	22	5	7	8	9	..	37
March	14	42	26	14	..	..	2	3	..	36
April	10	58	27	6	..	..	..	3	..	31
May	21	36	11	6	..	..	14	12	..	33
June	3	1	3	2	..	..	7	29	..	43
July	3	1	..	..	..	1	75	19	..	70
August	8	..	..	3	3	3	62	20	..	30
September	1	4	7	32	17	8	28	3	..	46
October	23	18	18	4	2	2	13	18	..	41
November	8	16	13	25	13	9	9	8	..	32
December	2	28	15	17	8	..	10	25	..	39

MIDDLE CLOUDS.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
January	..	..	..	..	..	..	..	..	..	..
February	10	20	..	20	20	..	20	10	..	5
March	..	..	33	33	..	17	..	17	..	6
April	17	17	33	..	33	..	..	..	..	3
May	11	43	32	..	..	7	7	..	..	22
June	..	25	25	..	..	..	..	50	..	4
July	25	13	25	13	..	..	13	13	..	8
August	9	..	32	5	..	5	27	23	..	11
September	..	17	8	25	..	17	17	17	..	6
October	..	7	71	7	..	..	7	7	..	7
November	20	10	60	10	..	..	..	..	..	5
December	..	..	..	..	..	..	..	..	..	..

GROUND WIND.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
January	13	13	38	31	1	..	2	2	..	52
February	13	22	15	43	7	..	..	1	..	51
March	16	30	22	29	2	..	..	1	..	69
April	29	13	11	38	1	..	..	6	..	69
May	39	10	4	5	2	1	15	23	1	67
June	1	..	..	5	..	2	53	39	..	56
July	..	..	..	..	..	3	69	27	..	32
August	3	2	1	1	8	2	51	32	..	49
September	1	3	3	40	9	4	25	6	9	59
October	21	15	6	4	3	1	16	31	3	61
November	7	11	9	32	9	1	6	13	13	53
December	10	16	11	16	4	2	17	19	5	41

TABLE 16.—*Percentage frequencies of direction of movement of clouds and of ground wind during the year 1927*—contd.

Trivandrum.

HIGH CLOUDS.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
January	..	13	25	13	..	25	..	25	..	4
February	33	..	33	..	..	33	..	..	..	3
March	..	25	25	..	..	..	..	50	..	2
April	..	..	..	..	..	..	..	..	..	..
May	..	..	50	50	..	..	..	..	..	1
June	..	..	..	..	..	..	..	100	..	1
July	50	..	..	..	..	..	..	50	..	1
August	50	50	..	..	..	..	..	..	..	2
September	..	20	40	..	..	20	10	10	..	5
October	..	83	..	17	..	..	..	..	..	6
November	10	20	40	20	..	..	..	10	..	5
December	13	..	13	..	..	25	25	25	..	8

LOW CLOUDS.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
January	10	53	3	..	3	17	..	13	..	15
February	..	39	8	..	4	35	..	15	..	13
March	7	38	5	2	2	9	2	33	..	21
April	9	8	..	..	..	3	44	36	..	32
May	18	8	..	..	..	..	25	50	..	20
June	3	6	..	11	..	..	55	25	..	18
July	4	..	..	..	..	..	50	46	..	12
August	2	..	..	..	..	..	48	50	..	26
September	15	20	..	..	..	10	15	40	..	10
October	9	1	18	..	14	5	18	36	..	11
November	21	11	5	5	..	13	21	24	..	19
December	13	34	16	13	3	16	..	6	..	16

MIDDLE CLOUDS.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
January	..	65	15	..	20	..	..	..	..	10
February	8	37	8	..	8	8	8	21	..	12
March	11	47	18	7	..	..	7	11	..	14
April	..	15	8	8	..	15	15	39	..	13
May	36	..	..	..	..	..	5	59	..	11
June	7	..	..	..	..	..	21	71	..	7
July	10	..	..	..	..	..	10	80	..	10
August	..	..	..	..	..	..	33	67	..	6
September	25	19	19	..	..	..	13	25	..	8
October	37	37	..	..	..	..	..	25	..	8
November	17	25	8	..	17	17	8	8	..	12
December	21	47	21	11	..	..	..	..	..	14

GROUND WIND.

Months.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Stationary.	No. of obsns.
January	..	7	..	10	7	48	21	..	7	29
February	7	13	..	..	..	55	7	2	15	27
March	12	8	..	..	3	24	32	7	16	38
April	12	..	..	..	..	17	41	14	16	45
May	30	..	..	..	..	..	41	27	3	32
June	4	..	..	..	..	4	46	42	4	26
July	11	..	..	..	..	..	24	65	..	23
August	7	..	..	..	..	1	60	31	..	34
September	26	..	..	..	..	7	35	20	13	23
October	12	..	..	..	2	15	31	15	24	29
November	20	..	..	..	9	17	29	6	20	35
December	3	..	8	..	8	46	17	..	18	38

SOUNDINGS WITH REGISTERING BALLOONS, 1927.

TABLE 17.

Agra—Lat. 27° 10′ N., Long. 78° 05′ E.

Temperature is given in degrees absolute, pressure in millibars, height in geodynamic kilometres, wind velocity in Metres per second, wind direction in degrees from north in the clockwise direction and humidity as percentage, I. S. T.=Indian Standard Time.

Date.	Jan. 6.	Jan. 12.	Feb. 15.	Feb. 16.	Feb. 17.	Mar. 15.	Mar. 25.	April 9.	April 22.	April 24.	May 12.	May 19.
Time of ascent, I. S. T.	17h. 25m.	17h. 26m.	12h. 30m.	18h. 30m.	21h. 38m.	18h. 45m.	18h. 55m.	18h. 5m.	18h. 44m.	18h. 56m.	18h. 22m.	18h. 46m.
Pressure at M. S. L.	1,008	1,011	1,006	1,003	1,007	1,007	1,007	999	1,003	1,002	998	1,002
Wind (anemograph)—												
Velocity	1·0†	1·3†	2·5†	3·1	3·1	1·1	4·0	7·7	2·0	1·1	9·0	2·2
Direction	315†	290†	225†	270	135	225	315	45	290	290	315	315
Humidity at surface	50	40	59	45	85	39	14	37	23	20	12	19
Greatest height reached	18·8	11·8	0·9	18·7	21·6	17·7	19·1	20·4	19·5	14·2	14·5	19·9
Corresponding temperature	205·5	218·0	292·0	218·0	219·0	199·0	204·5	212·0	207·5	211·5	217·5	204·5
Corresponding pressure	63	197	893	64	40	77	60	48	56	140	140	53
Place of fall	Gwaraich, Dt. Gonda	Bendupur, Ekdala		Dt. Sultanpur	Gwaraich, Dt. Gonda	Hirampur, Dt. Bahraich	Kulgan, Dt. Cawnpore	Sidhauli, Dt. Sitapur	v. Rasulpur, Dt. Hardoi	Mohamadabad, Dt. Farukhabad	Safipur, Dt. Unao	Jalalabad, Dt. Shahjahanpur
Distance	385 km.	340 km.		410 km.	385 km.	355 km	240 km.	280 km.	245 km.	140 km.	220 km.	175 km.
Bearing	90°	120		105°	90°	85°	110°	90°	90°	90°	90°	65°
Type of tropopause	IV	..	..	I	I	IV		I	II	..	..	III
Height of tropopause	17·4 ; 13·6	..	..	15·2	15·3	16·2 ; 15·2	Break in record near position of tropopause	17·5	16·0	..	..	15·9
Pressure at tropopause	80 ; 152	..	..	113	113	100 ; 119	..	80	102	..	..	109
Temperature at tropopause	201 ; 208	..	..	206·5	201·5	199 ; 2 2	..	198·0	201·5	..	..	198·0

6th January 1927.—Clear weather at Agra. Deep depression over the Punjab on the morning of the 6th; northern portion of this disturbance had filled up on the morning of the 7th and the feebly marked southern portion was advancing eastwards in the Gangetic plain.

12th January 1927.—Clear. A depression lay over the Central Provinces and was moving eastwards. Temperatures were low from the frontier to the United Provinces and the area of low temperature was spreading towards Bengal.

16th February 1927.—Fine weather. At ascent, there were a few patches of middle and low clouds to 8W. Ci appeared after ascent and amount increased to 8 at 21 hours. A depression over S. Punjab caused numerous thunderstorms in E. Punjab with local rain in the Punjab and the United Provinces and nearly general rain in the Punjab Kumaon hills. The depression had weakened on the morning of the 17th, but numerous dust-storms were reported from Baluchistan, Sind and Rajputana.

17th February 1927.—4 Cu at ascent. There were Ci clouds in the morning and Cu and ACu in the afternoon. The 8 hours report of the 18th showed rain or snow in the north Punjab plains and hills and in Kashmir. Numerous dust storms were reported from Baluchistan and Upper Sind. Temperature was markedly above normal in the Punjab.

15th March 1927.—9 ACu at ascent. A western disturbance was moderately active. Its southern portion was lying over the central part of the country on the morning of the 16th and northern portion had passed away after causing some rain or snow in the N.-W. Frontier Province and Kashmir.

25th March 1927.—ACu clouds in the morning but clear afterwards. Feeble depression moving eastwards over the United Provinces.

9th April 1927.—Active western disturbance caused thunderstorms and dust-storms in northwest India and United Provinces. Agra had a thunderstorm on the morning of the 9th.

22nd April 1927.—Dry weather with conditions slightly unsettled in the Central parts of the country.

24th April 1927.—Dry weather. Weak low over the Punjab.

12th May 1927.—Dust-storm at the time of ascent. There were 2 ACu, 5AS and 1 Cis present.

19th May 1927.—Dry weather. Dusthaze.

23rd May 1927.—Conditions slightly unsettled over Northwest India. Dry and dusty.

11th June 1927.—There was a dust-storm at 14h. 45m. Thunder was heard at intervals from 14·40 to 15 hours. Cu and CuN cleared after the dust-storm and there were only a few patches of Ci Cu at the time of ascent. The traces were disturbed from the surface right up to the Stratosphere.

Dust or thunderstorms occurred at many places in N. W. India.

† Wind direction and velocity on these days are taken from the Robinson anemometer on the Observatory tower.

SOUNDINGS WITH REGISTERING BALLOONS, 1927.

TABLE 17—*contd.*

Agra—Lat. 27° 10′ N. Long. 78″ 05′ E.

Temperature is given in degrees absolute, pressure in millibars, height in geodynamic kilometres, wind velocity in metres per second, wind direction in degrees from north in the clockwise direction and humidity as percentage, I. S. T.=Indian Standard Time.

Date.	May 23.	June 11.	June 13.	June 14.	June 15.	June 16.	July 6.	Aug. 8.	Aug. 12.	Aug. 26.	Aug. 29.	Sept. 13.
Time of ascent, I. S. T.	19h. 0m.	18h. 37m.	12h. 29m.	12h. 34m.	18h. 24m.	18h. 23m.	18h. 12m.	18h. 17m.	18h. 13m.	18h. 20m.	18h. 23m.	18h. 20m.
Pressure at M. S. L.	995	995	997	994	992	992	995	995	997	995	999	1,002
Wind (anemograph)—												
Velocity	2·4	1·1	1·6	2·1	3·6	3·9	0·9	1·1	0·3	3·0	0·8	2·1
Direction	340	315	135	45	335	340	180	155	115	180	335	225
Humidity at surface	33	37	28	19	23	27	82	72	87	77	87	68
Greatest height reached	20·3	19·0	7·8	23·2	18·2	18·7	13·6	1·5	18·1	12·5	14·9	16·4
Corresponding temperature	210·5	204·5	267·0	234·0	201·5	216·5	216·0	295·0	201·0	228·0	200·5	198·0
Corresponding pressure	51	64	379	35	72	67	165	835	75	197	132	99
Place of fall	P. S. urra Dt. Mainpuri.	Aliganj Dt. Etah.	Galesar Dt. Etah.	Galesar, Dt. Etah.	Etah, Dt. Etah.	Sadabad, Dt. Muttra.	Sadabad, Dt. Muttra.	Agra, Dt. Agra.	Muttra, Dt. Muttra.	Sadabad, Dt. Muttra.	Kumher, Bharatpur State.	Firozabad, Dt. Agra.
Distance	110 km.	120 km.	45 km.	45 km.	80 km.	30 km.	30 km.	2 km.	50 km.	30 km.	60 km.	40 km.
Bearing	90°	70°	45°	45°	70°	360°	0°	180°	315°	0°	295°	70°
Type of tropopause	I	I	..	..	II	I	..	..	II	..	..	I
Height of tropopause	17·3	17·0	..	..	16·4	16·3	..	..	16·4	..	..	16·1
Pressure at tropopause	85	90	..	..	100	100	..	..	100	..	..	104
Temperature at tropopause	192·0	197·5	..	..	194·0	198·5	..	..	191·5	..	..	197·0

13th June 1927.—Dust and thunderstorms in N. W. India. Agra had a weak thunderstorm in the evening from 17 to 17-20 hours.

Cu 1, ACu 1, and CiS 6 at ascent.

14th June 1927.—Arabian sea monsoon vigorous over the west coast and extended into Gujarat. Conditions slightly unsettled over Punjab. At ascent, there were pieces of Cu under a uniform base, probably of AS.

15th June 1927.—10 ACu at ascent. Dust-storms over the Punjab and the frontier hills. The daily weather report of the 16th located a deep depression in the northwest corner of the Bay of Bengal.

16th June 1927.—Dusty with a few patches of ACu (or Ci Cu ?). Arabian Sea monsoon active over the peninsula and central parts of the country. Heavy thunderstorms were reported from Gujarat on the morning of the 17th. The Bay depression was intensifying into storm.

6th July 1927.—Thunder between 8-30 and 8-45 hours. The skies were practically overcast with low, middle and high clouds throughout the day. At ascent, 10 AS and some Cu on horizon. Thunder was heard occasionally. There was a depression over the Punjab and the monsoon was active over the whole country. On the morning of the 7th, it was reported that locally heavy rain had fallen along the W. Himalayas.

12th August 1927.—Sky covered throughout day with Ci, AS, ACu, Cu and CuN. There were passing showers between 15 hours and 15-30 hours with occasional thunder. At ascent, the sky was overcast with AS. There were a few patches of Cu with Ci cap near the horizon. On the 12th morning there was a shallow depression over Orissa which moved into east Central Provinces on the 13th.

26th August 1927.—Sky was clouded with Ci, Ci S, and Cu. Thunder and lightning from 17-45 to 19-45 hours. At ascent, there were CuN clouds towards NW and W. On the 26th morning, there was a depression over east central Provinces and locally heavy rain had fallen in West Central Provinces. On the 27th morning, the depression lay as a shallow low over the Gangetic plain and numerous thunderstorms had occurred in S. Rajputana.

SOUNDINGS WITH REGISTERING BALLOONS, 1927.

TABLE 17—*contd.*

Agra—Lat. 27° 10′ N. Long. 78° 05′ E.

Temperature is given in degrees absolute, pressure in millibars, height in geodynamic kilometres, wind velocity in metres per second, wind direction in degrees from north in the clockwise direction and humidity as percentage, I. S. T.=Indian Standard Time.

Date.	Sept. 17.	Sept. 22.	Oct. 1.	Oct. 11.	Oct. 14.	Oct. 17.	Oct. 18.	Oct. 19.	Oct. 20.
Time of ascent, I. S. T.	18h. 12m.	18h. 7m.	17h. 53m.	17h. 55m.	17h. 53m.	17h. 43m.	17h. 48m.	17h. 40m.	17h. 30m.
Pressure at M. S. L.	1,002	998	1,002	1,005	1,006	1,007	1,009	1,009	1,010
Wind (anemograph)—									
Velocity	1·4	1·3	1·1	..	2·5	1·8	1·8	1·8	1·3
Direction	315	295	270	..	315	245	245	315	245
Humidity at surface	52	61	70	59	27	44	49	39	38
Greatest height reached	18·8	19·0	18·7	5·2	18·8	18·6	12·4	13·9	12·1
Corresponding temperature	211·0	205·0	205·0	271·5	203·5	204·0	221·0	212·0	221·5
Corresponding pressure	67	63	64	533	65	67	193	150	200
Place of fall	Etmadpur, Dt. Agra.	Sirsa river, Dt. Mainpuri.	Aliganj, Dt. Etah.	Aliganj, Dt. Etah.	Aliganj, Dt. Etah.	Ekdil, Dt. Etawah.	Bharthana Dt. Etawah.	Near Samhan Dt. Etawah.	Etawah, Dt. Etawah.
Distance	25 km.	45 km.	165 km.	120 km.	120 km.	125 km.	130 km.	140 km.	115 km.
Bearing	45°	90°	70°	70°	70°	110°	110°	110°	115°
Type of tropopause	I	I	II	..	I	I	..	..	..
Height of tropopause	16·4	16·8	16·4	..	17·0	17·2	..	..	..
Pressure at tropopause	100	92	98	..	89	85	..	..	..
Temperature at tropopause	196·5	190·0	187·5	..	192·0	195·5	..	..	..

29th August 1927.—Throughout the day, there were high, middle and low clouds. At ascent, there were Cu and N (2) AS (3) and CiS (4). Occasional lightning after ascent. Weather was disturbed along the Gangetic plain.

13th September 1927.—Clear day. Weather slightly unsettled in the Punjab.

17th September 1927.—Clear days. Thunder showers occurred in the Peninsula, Bengal and the extreme north.

22nd September 1927.—Clear at ascent, but there was passing Cu in the afternoon. At 8 a.m., there was a depression in N. E. Arabian Sea near lat. 19°N. long 68°E. On the morning of the 23rd this had moved to the neighbourhood of Cutch and numerous thunderstorms had occurred in Gujarat. There was also widespread rain in the Peninsula.

1st October 1927.—Fine day with ACu and occasional Ci or Ci Cu and passing Cu in the afternoon. 4 ACu at ascent. Dry in N. W. India and U. P. but widespread rain in the peninsula, the Central Provinces and Bengal.

11th October 1927.—Dry weather.

14th October 1927.—Clear weather. There was a shallow low pressure area over Bengal on the morning of the 14th.

17th October 1927.—Dry weather. There was a shallow low over S. W. Panjab.

18th October 1927.—Clear weather.

19th October 1927.—Clear weather.

20th October 1927.—The day was moderately clouded with ACu and Ci Cu. 3 ACu at ascent. Generally fine weather with weak surface gradients.

21st October 1927.—Fine day with ACu and some afternoon Cu. 2 ACu at ascent.

31st October 1927.—Clear weather.

SOUNDINGS WITH REGISTERING BALLOONS, 1927.

TABLE 17—*concld.*

Agra—Lat. 27° 10′ N. Long. 78° 05′ E.

Temperature is given in degrees absolute, pressure in millibars, height in geodynamic kilometres, wind velocity in Metres per second, wind direction in degrees from north in the clockwise direction and humidity as percentage, I. S. T.=Indian Standard Time.

Date.	Oct. 21.	Oct. 31.	Nov. 10.	Nov. 13.	Nov. 14.	Nov. 28.	Dec. 9.	Dec. 14.	Dec. 29.
Time of ascent, I. S. T.	17h. 27m.	17h. 25m.	17h. 3m.	16h. 30m.	15h. 18m.	17h. 0m.	16h. 55m.	16h. 56m.	17h. 17m.
Pressure at M. S. L.	1,010	1,011	1,012	1,013	1,010	1,015	1,012	1,012	1,015
Wind (anemograph)—									
Velocity	0·9	1·8	1·4	0·9	1·3	1·6	1·3	0·5	0·9
Direction	45	65	160	160	360	25	270	180	90
Humidity at surface	42	47	55	96	70	36	46	51	45
Greatest height reached	9·0	15·4	20·3	9·3	12·1	20·9	18·0	15·9	13·7
Corresponding temperature	242·5	207·0	214·5	239·5	229·5	210·0	204·0	201·5	205·0
Corresponding pressure	321	116	49	298	107	44	73	103	140
Place of fall	Shikohabad, Dt. Mainpuri.	Bilgram, Dt. Hardoi.	Kaisarganj, Dt. Bahraich.	Rooppura, Dt. Nainital.	Pawgan, Dt. Shahjahanpur.	Bangar, Dt. Hardo.	Dewa, Dt. Barabanki.	Bawan, Dt. Hardoi.	Phulbehar, Dt. Kheri.
Distance	55 km.	205 km.	355 km.	260 km.	230 km.	215 km.	315 km.	215 km.	280 km.
Bearing	95°	95°	85°	40°	65°	90°	90°	90°	75°
Type of tropopause	..	..	III	..	..	III	IV	III	..
Height of tropopause	..	..	15·6	..	..	14·0	16·6 ; 13·2	15·0	..
Pressure at tropopause	..	..	110	..	..	145	93 ; 167	120	..
Temperature at tropopause	..	..	201·0	..	..	204·5	200·5 ; 210·0	203·0	..

10th November 1927.—Ci appeared in the morning and it was gradually increasing in amount and thickness. 9Ci and CiS at ascent. On the morning of the 10th, weather was unsettled off Malabar and the unsettled conditions had developed into a depression in the mid- Arabian Sea near lat. 13°N. long 66°E. on the morning of the 11th.

13th November 1927.—Overcast with N and S and drizzling at ascent. The Arabian Sea Storm crossed the Konkan Coast between Bombay and Ratnagiri on the morning of the 13th and at 8 a.m. was lying as a deep depression over the Bombay Deccan.

14th November 1927.—Overcast with CuN and Cu till noon. Lower clouds began to clear later. At ascent, N and ACu, mostly the former. The depression over the Bombay Deccan had weakened after giving widespread rain extending from the U. P. to the extreme south of the Peninsula.

28th November 1927.—Ci began to appear in the morning and gradually increased in amount and thickness. After ascent, it began to thin.

9th December 1927.—Clouded with Ci and CiS at ascent due to a Western disturbance in Baluchistan.

14th December 1927.—Western disturbance active in Baluchistan and along frontier.

29th December 1927.—Western disturbance active in Baluchistan, Sind and along frontier.

SOUNDINGS WITH REGISTERING BALLOONS, 1927.

TABLE 18.

Agra—Lat. 27° 10′ N, Long. 78° 05′ E.

T.=Temperature in degrees absolute, P.=Pressure in millibars, H.=Level in geodynamic kilometers, R. H.=Relative humidity, G. L.=Ground level and I. S. T.=Indian Standard Time.

Date.	January 6			January 12.			February 15.			February 16.			February 17.			March 15.			March 25.		
Time of ascent, I. S. T.	17h. 25m.			17h. 26m.			12h. 30m.			18h. 30m.			21h. 38m.			18h. 45m.			18h. 55m.		

Pressure, Temperature and Humidity at given heights.

H.	P.	T.	R. H.	P.	T.	R. H.	P.	T.	R. H.	P.	T.	R. H.	P.	T.	R. H.	P.	T.	R. H.	P.	T.	R. H.
20·0	..	..	..	..	..	..	..	..	..	..	..	..	51	215·5	..	..	..	..	..	..	..
19·0	..	..	..	..	..	..	..	..	..	..	..	..	61	213·5	..	..	..	..	61	204·0	..
18·0	72	201·5	..	..	..	..	..	..	..	72	217·0	..	72	208·5	..	..	..	..	73	202·5	..
17·0	85	202·0	..	..	..	..	..	..	..	85	213·5	..	85	204·5	..	88	200·5	..	86	200·0	..
16·0	101	205·0	..	..	..	..	..	..	..	99	208·5	..	101	202·0	..	104	200·5	..	102	203·0	..
15·0	120	206·5	..	..	..	..	..	..	..	117	206·5	..	120	203·0	..	124	204·0	..	121	207·5	..
14·0	143	207·0	..	..	..	..	..	..	..	138	209·0	..	142	207·5	..	147	211·0	..	143	..	..
13·0	168	211·5	..	..	..	..	..	..	..	163	211·5	..	168	215·0	..	173	217·0	..	169	..	..
12·0	193	219·0	..	..	..	..	..	..	..	193	218·5	..	196	224·5	..	203	224·0	..	193	..	..
11·0	232	228·0	..	223	221·5	..	..	..	..	226	225·0	..	229	230·0	..	235	230·0	..	232	227·5	..
10·0	270	234·5	..	259	225·5	..	..	..	..	261	231·5	..	265	235·0	..	272	238·0	..	268	236·0	..
9·0	313	242·0	..	303	232·5	..	..	..	..	306	236·0	..	309	237·0	..	317	246·0	44	312	238·5	..
8·0	360	250·0	22	350	241·0	24	..	..	..	353	241·5	..	355	244·5	..	364	250·5	48	360	243·0	..
7·0	414	256·0	24	404	246·5	24	..	..	..	408	250·5	..	410	250·5	44	417	255·0	54	414	251·0	26
6·0	474	261·5	24	466	252·0	25	..	..	..	468	256·5	41	470	256·5	42	478	261·5	52	475	259·0	25
5·0	541	266·5	26	535	258·5	26	..	..	..	535	260·5	40	539	263·5	46	546	268·0	41	544	264·0	28
4·0	617	273·0	27	610	262·5	27	..	..	..	610	267·0	40	612	268·5	54	619	274·0	39	618	269·5	31
3·0	698	277·0	37	698	272·0	28	..	..	..	696	272·5	50	700	271·5	70	700	280·5	41	705	278·0	36
2·5	745	276·5	40	743	274·5	28	..	..	..	740	276·0	54	744	274·5	68	748	283·5	41	750	282·0	36
2·0	790	279·5	41	792	276·0	31	..	..	..	788	280·0	55	790	279·5	64	795	287·0	40	797	286·5	36
1·5	840	283·5	43	842	277·5	40	..	..	..	837	284·0	56	840	284·0	63	845	291·0	40	845	290·0	34
1·0	895	287·5	47	898	282·5	42	..	..	..	890	288·0	49	895	289·0	64	899	294·5	38	897	294·0	37
0·5	950	290·5	50	954	287·0	40	951	294·0	64	949	291·0	..	950	291·0	69	953	295·0	38	952	297·5	32
*G. L. (0·17)	990	290·0	50	993	288·5	40	988	293·0	59	985	293·5	45	989	287·5	85	989	298·0	39	989	298·0	14

* Temperatures and humidities at ground level are the values obtained at ascent, while at other heights the values are the means of those obtained from the ascending and descending curves.

SOUNDINGS WITH REGISTERING BALLOONS, 1927.

TABLE 18—*contd.*

Agra—Lat. 27° 10′ N. Long. 78° 05′ E.

T.=Temperature in degrees absolute, P.=Pressure in millibars, H.=Level in geodynamic kilometers, R. H.=Relative humidity, G. L.=Ground level and I. S. T.=Indian Standard Time.

Date.	April 9.			April 22.			April 24.			May 12.			May 19.			May 23.			June 11.		
Time of ascent, I. S. T.	18h. 5m.			18h. 44m.			18h. 56m.			18h. 22m.			18h. 46m.			19h. 0m.			18h. 37m.		
Pressure, Temperature and Humidity at given heights.																					
H.	P.	T.	R. H.	P.	T.	R. H.	P.	T.	R. H.	P.	T.	R. H.	P.	T.	R. H.	P.	T.	R. H.	P.	T.	R. H.
20·0	51	209·0	..	..	..	..	..	..	..	..	..	..	52	..	..	53	209·5	..	..	..	..
19·0	61	202·0	..	61	204·5	..	..	..	..	..	..	..	63	202·5	..	63	202·0	..	64	204·5	..
18·0	73	202·0	..	73	202·5	..	..	..	..	..	..	..	75	197·0	..	75	195·5	..	76	199·5	..
17·0	87	199·5	..	86	201·5	..	..	..	..	..	..	..	88	196·0	..	89	194·0	..	90	197·0	..
16·0	103	203·5	..	102	201·5	..	..	..	..	..	..	..	107	197·5	..	107	199·5	..	108	201·0	..
15·0	122	205·0	..	122	207·5	..	..	..	..	..	..	..	126	202·0	..	127	205·5	..	128	206·0	..
14·0	144	210·0	..	143	212·0	..	143	212·5	..	153	218·5	..	149	208·5	..	150	211·0	..	152	212·0	..
13·0	170	215·0	..	169	217·0	..	169	216·0	..	179	224·0	..	176	216·0	..	177	217·0	..	178	219·0	..
12·0	200	220·5	..	197	218·5	..	198	219·5	..	208	232·0	..	206	222·5	..	207	224·5	..	208	226·5	..
11·0	233	225·0	..	230	225·5	..	232	223·0	..	240	238·5	..	240	230·0	..	240	232·5	..	241	235·5	..
10·0	272	231·5	64	268	228·5	..	269	229·5	..	278	245·5	..	279	238·0	..	278	240·0	..	279	243·0	..
9·0	316	236·0	69	313	236·0	..	315	236·0	..	321	244·5	..	323	247·5	..	322	248·0	..	323	251·0	..
8·0	362	247·0	73	362	243·0	..	363	242·0	..	369	252·0	..	370	254·0	21	369	253·5	24	368	256·5	51
7·0	417	254·0	74	417	250·0	8	420	250·0	8	423	260·0	..	423	259·5	22	423	258·5	25	421	262·0	53
6·0	476	261·5	75	479	258·0	10	480	257·5	13	484	264·5	..	483	265·5	26	484	265·0	28	481	266·0	55
5·0	545	268·0	84	547	266·0	12	550	267·0	13	550	271·5	..	551	270·5	29	550	270·5	30	548	271·0	57
4·0	618	273·0	90	620	272·0	16	622	276·0	12	626	279·0	..	627	277·5	27	625	280·0	30	621	278·5	60
3·0	701	281·0	75	706	282·0	15	705	285·0	10	709	288·0	..	710	286·0	26	705	289·0	27	704	284·5	56
2·5	746	284·5	66	750	286·0	13	750	289·5	10	750	292·5	..	753	290·5	26	750	294·0	26	748	289·0	53
2·0	791	288·5	62	797	291·0	12	796	294·0	8	798	297·5	..	799	295·0	25	795	298·5	26	793	293·5	51
1·5	842	293·0	56	844	295·5	14	844	298·5	9	843	302·0	..	847	299·5	22	841	302·5	26	841	298·0	50
1·0	892	297·0	53	895	300·0	15	896	303·0	9	895	306·0	..	898	304·0	20	893	307·5	26	891	303·0	51
0·5	948	299·5	43	950	303·0	20	950	307·0	16	950	311·0	..	950	308·0	..	943	310·5	..	943	306·0	42
*G. L. (0·17)	982	302·0	37	986	303·0	23	985	303·5	20	982	311·0	12	985	308·5	19	978	310·5	33	978	307·5	37

*Temperatures and humidities at ground level are the values obtained at ascent, while at other heights the values are the means of those obtained from the ascending and descending curves.

SOUNDINGS WITH REGISTERING BALLOONS, 1927.

TABLE 18—*contd.*

Agra—Lat. 27° 10′ N. Long. 78° 05′ E.

T.=Temperature in degrees absolute, P.=Pressure in millibars, H.=Level in geodynamic kilometers, R. H.=Relative humidity, G. L.=Ground level and I. S. T.=Indian Standard Time.

Date.	June 13.			June 14.			June 15.			June 16.			July 6.			August 8.			August 12.		
*Time of ascent, I. S. T.	12h. 29m.			12h. 34m.*			18h. 24m.			18h. 23m.			18h. 12m.			18h. 17m.			18h. 13m.		
Pressure, Temperature and Humidity at given heights.																					
H.	P.	T.	R. H.	P.	T.	R. H.	P.	T.	R. H.	P.	T.	R. H.	P.	T.	R. H.	P.	T.	R. H.	P.	T.	R. H.
20·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
19·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
18·0	..	..	..	..	..	..	75	198·5	..	75	210·5	..	..	..	..	..	..	..	75	201·0	..
17·0	..	..	..	..	..	..	89	193·0	..	89	203·5	..	..	..	..	..	..	..	90	192·5	..
16·0	..	..	..	..	..	..	107	195·0	..	107	198·5	..	..	..	..	..	..	..	108	193·5	..
15·0	..	..	..	..	..	..	127	203·5	..	127	201·0	..	..	..	..	..	..	..	129	201·5	..
14·0	..	..	..	..	..	..	151	210·0	..	150	206·5	..	..	..	..	..	..	..	153	210·0	..
13·0	..	..	..	..	..	..	178	218·0	..	177	215·0	..	182	222·5	..	..	..	..	180	218·5	..
11·0	..	..	..	..	..	..	208	225·5	..	207	228·0	..	212	232·0	..	..	..	..	210	227·5	80
11·0	..	..	..	..	..	..	241	231·0	..	241	232·0	..	245	240·0	..	..	..	..	244	237·0	84
10·0	..	..	..	281	245·5	52	280	242·0	..	279	240·0	64	283	248·0	75	..	..	..	281	244·0	89
9·0	..	..	..	325	251·5	52	323	250·5	44	323	248·0	68	325	254·5	78	..	..	..	325	252·5	90
8·0	..	..	..	370	258·5	53	370	256·5	51	370	256·0	76	372	260·0	80	..	..	..	372	259·5	86
7·0	423	264·0	17	422	264·5	53	423	261·5	69	423	262·5	84	425	266·0	85	..	..	..	423	265·5	77
6·0	483	268·0	29	483	268·0	62	482	267·0	72	482	268·0	90	483	272·0	81	..	..	..	483	270·5	73
5·0	550	273·0	43	550	275·0	65	550	274·0	67	549	273·5	89	549	276·5	78	..	..	..	549	276·0	84
4·0	623	278·0	77	624	278·5	69	622	280·0	59	622	279·0	73	620	283·0	78	..	..	..	620	282·0	92
3·0	705	285·5	77	705	286·5	69	702	287·0	51	703	286·5	58	701	286·5	81	..	..	..	701	286·0	93
2·5	750	288·5	65	750	290·5	63	748	292·0	49	748	291·5	51	745	289·0	84	..	..	..	746	288·0	97
2·0	795	293·0	51	793	293·5	58	792	296·0	45	790	296·0	45	790	291·5	84	..	..	..	790	290·0	96
1·5	842	297·5	37	841	300·0	51	839	300·0	40	839	300·5	39	839	294·0	82	840	295·5	90	840	293·0	92
1·0	893	302·0	37	890	304·0	49	890	304·5	37	890	305·0	35	889	297·0	82	890	298·5	85	890	296·0	87
0·5	946	306·5	31	945	308·5	28	942	309·5	33	942	309·0	31	942	300·5	82	941	303·0	79	944	299·5	84
*G. L. (0·17).	981	312·0	28	978	315·5	19	976	312·5	23	976	312·5	27	978	303·5	82	978	305·5	72	980	300·0	87

* Temperatures and humidities at ground level are the values obtained at ascent, while at other heights the values are the means of those obtained from the ascending and descending curves.

SOUNDINGS WITH REGISTERING BALLOONS, 1927.

TABLE 18—*contd.*

Agra—Lat. 27° 10′ N. Long. 78° 05′ E.

T.=Temperature in degrees absolute, P.=Pressure in millibars, H.=Level in geodynamic kilometers, R. H.=Relative humidity, G. L.=Ground level, and I. S. T.=Indian Standard Time.

Date.	Aug. 26.			Aug. 29.			Sept. 13.			Sept. 17.			Sept. 22.			Oct. 1.			Oct. 11.		
Time of ascent, I. S. T.	18h. 20m.			18h. 23m.			18h. 20m.			18h. 12m.			18h. 17m.			17h. 53m.			17h. 55m.		
Pressure, Temperature and Humidity at given heights.																					
H.	P.	T.	R. H.	P.	T.	R. H.	P.	T.	R. H.	P.	T.	R. H.	P.	T.	R. H.	P.	T.	R. H.	P.	T.	R. H.
20·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
19·0	..	..	..	..	..	..	..	..	..	64	..	..	62	..	..	..	..	..	..	..	..
18·0	..	..	..	..	..	..	..	..	..	76	202·5	..	74	196·5	..	73	194·5	..	..	..	..
17·0	..	..	..	..	..	..	..	..	..	91	197·5	..	89	190·0	..	87	187·0	..	..	..	..
16·0	..	..	..	..	..	..	107	197·5	..	108	198·5	..	107	192·5	..	106	190·5	..	..	..	..
15·0	..	..	..	130	..	..	127	202·5	..	129	204·0	..	127	199·0	..	126	199·0	..	..	..	..
14·0	..	..	..	153	207·0	..	150	207·0	..	153	210·5	..	154	208·5	..	150	206·5	..	..	..	..
13·0	..	..	..	181	218·0	..	177	214·0	..	179	219·0	..	179	217·0	..	177	216·0	..	..	..	..
12·0	212	231·5	..	211	227·5	..	207	222·5	..	209	226·5	..	209	225·0	..	208	223·5	..	..	..	..
11·0	246	239·5	89	244	237·0	60	241	232·0	..	243	235·0	..	243	234·0	..	241	232·0	..	..	..	..
10·0	284	248·0	51	284	246·0	65	280	238·5	..	281	242·5	..	280	242·5	..	279	243·0	..	..	..	..
9·0	325	254·0	66	325	252·5	80	323	246·5	..	325	250·0	..	323	250·0	..	323	250·0	41	..	..	..
8·0	373	260·5	94	373	260·0	80	370	256·5	27	371	258·0	20	370	256·5	40	369	257·0	44	..	..	..
7·0	425	266·0	99	425	265·0	88	424	262·5	27	425	264·5	20	424	262·5	45	423	262·0	52	..	..	..
6·0	484	272·0	100	484	270·0	100	485	268·5	32	484	269·5	21	484	268·0	50	483	266·0	69	..	..	..
5·0	550	277·5	85	550	276·0	93	550	271·0	39	550	274·5	28	550	275·0	53	548	272·0	71	549	272·5	..
4·0	621	283·0	85	622	281·5	82	622	278·5	52	623	280·5	25	622	282·0	49	622	278·5	47	621	278·0	..
3·0	701	287·5	89	704	287·0	78	705	285·5	44	705	284·0	29	703	287·5	41	703	284·0	31	704	280·5	..
2·5	746	290·0	96	748	289·5	81	750	289·0	40	750	287·5	32	747	289·0	49	747	287·0	30	750	284·0	..
2·0	790	292·0	105	792	291·0	86	794	291·5	47	795	290·5	42	792	290·5	70	794	290·5	35	797	288·0	..
1·5	840	294·5	99	841	293·5	90	844	294·5	58	844	295·5	47	841	295·0	68	843	292·5	41	845	293·0	..
1·0	890	298·0	90	893	296·0	95	897	299·0	54	896	300·0	41	893	299·5	59	894	297·0	44	897	297·5	..
0·5	940	302·5	76	949	299·0	93	950	303·0	53	950	304·0	44	946	303·0	59	947	299·5	44	950	300·0	..
*G. L. (0·17)	978	304·5	77	982	302·0	87	985	302·0	68	985	302·5	52	981	302·5	61	985	299·5	70	988	300·0	39

* Temperatures and humidities at ground level are the values obtained at ascent, while at other heights the values are the means of those obtained from the ascending and descending curves.

SOUNDINGS WITH REGISTERING BALLOONS, 1927.

TABLE 18—*contd.*

Agra—Lat. 27° 10′ N. Long. 78° 05′ E.

T=Temperature in degrees absolute, P=Pressure in millibars, H=Level in geodynamic kilometers, R. H.=Relative Humidity, G. L.=Ground level, and I. S. T.=Indian Standard Time.

Date.	Oct. 14.			Oct. 17.			Oct. 18.			Oct. 19.			Oct. 20.			Oct. 21.			Oct. 31.		
Time of ascent, I. S. T.	17h. 53m.			17h. 43m.			17h. 48m.			17h. 40m.			17h. 30m.			17h. 21m.			17h. 25m.		
Pressure, Temperature and Humidity at given heights.																					
H.	P.	T.	R. H.	P.	T.	R. H.	P.	T.	R. H.	P.	T.	R. H.	P.	T.	R. H.	P.	T.	R. H.	P.	T.	R. H.
20·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
19·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
18·0	75	196·0	..	74	199·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
17·0	89	192·0	..	89	195·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
16·0	107	196·5	..	106	198·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
15·0	127	201·0	..	126	203·0	..	..	..	..	..	..	..	..	..	..	..	..	..	123	205·0	..
14·0	151	208·0	..	149	209·5	..	..	..	..	..	..	..	..	..	..	..	..	..	147	207·0	..
13·0	178	216·0	..	176	217·5	..	..	..	..	165	213·5	..	..	..	..	..	..	..	173	214·5	..
12·0	207	224·5	..	205	224·5	..	205	222·5	..	205	222·0	..	203	222·0	..	..	..	..	202	222·0	..
11·0	242	233·5	..	239	232·0	..	238	230·0	..	237	228·0	..	237	227·5	..	..	..	..	235	230·5	..
10·0	280	241·5	..	276	238·0	..	276	235·0	..	276	235·0	..	275	234·0	..	..	..	..	274	236·0	..
9·0	323	248·5	..	320	243·0	..	320	241·5	..	320	242·5	..	319	241·0	..	320	242·5	..	318	240·5	..
8·0	370	254·0	..	369	250·5	20	369	250·5	..	369	250·0	..	367	248·5	..	368	250·0	..	366	249·5	..
7·0	424	261·0	..	421	258·0	22	423	258·0	..	422	257·5	28	422	256·0	..	422	256·0	44	419	255·5	..
6·0	484	267·0	16	482	265·5	25	483	265·5	..	484	264·5	28	482	263·0	35	483	263·5	47	480	261·5	20
5·0	550	273·5	17	550	270·0	27	550	272·0		550	271·5	28	550	270·5	39	550	269·5	49	549	268·5	20
4·0	623	279·0	16	623	277·5	34	624	278·0	20	624	276·0	30	625	274·0	59	625	274·5	50	622	273·5	29
3·0	707	282·5	24	707	280·0	51	708	283·0	17	708	282·0	30	709	280·5	59	710	281·0	60	708	279·5	54
2·5	751	284·5	25	751	284·0	61	752	284·0	37	753	284·5	36	753	284·0	59	753	284·5	66	752	282·0	53
2·0	798	289·5	30	800	289·5	57	800	289·0	47	800	288·0	46	800	288·0	57	800	289·0	64	800	286·0	52
1·5	847	294·0	32	849	294·0	42	849	293·0	45	850	293·0	46	850	292·5	51	850	294·0	56	850	289·5	59
1·0	900	298·5	31	900	298·0	34	900	298·0	44	900	297·5	42	901	297·0	49	902	298·5	49	902	294·0	60
0·5	951	301·0	29	953	301·5	33	954	298·5	47	956	302·0	38	956	301·5	49	957	302·0	43	957	298·0	45
*G. L. (0·17)	989	302·0	27	990	300·0	44	992	300·5	49	992	301·0	39	993	303·0	38	993	302·5	42	994	299·5	47

* Temperatures and humidities at ground level are the values obtained at ascent, while at other heights the values are the means of those obtained from the ascending and descending curves.

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TABLE 18—*concld.*

Agra—Lat. 27° 10′ N. Long. 78° 05′ E.

T=Temperature in degrees absolute, P=Pressure in millibars, H=Level in geodynamic kilometers, R. H.=Relative Humidity, G. L.=Ground level and I. S. T.=Indian Standard Time.

Date.	Nov. 10.			Nov. 13.			Nov. 14.			Nov. 28.			Dec. 9.			Dec. 14.			Dec. 29.		
Time of ascent I. S. T.	17h. 3m.			16h. 30m.			15h. 18m.			17h. 0m.			16h. 55m.			16h. 56m.			17h. 17m.		
Pressure, Temperature and Humidity at given heights.																					
H.	P.	T.	R. H.	P.	T.	R. H.	P.	T.	R. H.	P.	T.	R. H.	P.	T.	R. H.	P.	T.	R. H.	P.	T.	R. H.
20·0	52	210·5	..	..	..	..	..	..	..	52	206·5	..	..	..	..	..	..	..	..	..	..
19·0	61	205·0	..	..	..	..	..	..	..	61	203·0	..	..	..	..	..	..	..	..	..	..
18·0	73	201·5	..	..	..	..	..	..	..	73	201·5	..	73	204·0	..	..	..	..	..	..	..
17·0	86	207·0	..	..	..	..	..	..	..	86	202·0	..	87	201·0	..	..	..	..	..	..	..
16·0	102	200·1	..	..	..	..	..	..	..	102	202·5	..	103	203·5	..	..	..	..	..	..	..
15·0	122	205·0	..	..	..	..	..	..	..	122	203·5	..	122	209·0	..	120	203·5	..	..	..	..
14·0	144	207·0	..	..	..	..	..	..	..	145	204·5	..	144	208·0	..	143	211·0	..	..	..	..
13·0	171	212·0	..	..	..	..	..	..	..	172	210·0	..	171	210·5	..	168	214·0	..	164	05·0	..
12·0	200	219·5	..	..	..	..	..	..	..	202	216·5	..	201	218·0	..	197	216·0	..	194	09·5	..
11·0	234	228·0	..	..	..	..	233	232·5	..	236	223·5	..	235	224·0	..	232	217·5	..	229	17·0	..
10·0	272	234·5	..	..	..	..	270	240·0	..	274	231·5	..	273	230·5	..	270	226·5	..	267	24·0	..
9·0	316	241·5	..	313	241·5	..	312	245·0	..	319	240·0	..	317	239·0	..	315	236·0	..	313	33·5	..
8·0	363	246·0	..	360	246·5	..	359	246·5	..	367	247·5	..	366	247·5	..	363	244·5	..	361	42·5	..
7·0	417	252·5	24	413	252·5	96	411	251·5	..	421	254·0	18	420	253·5	25	417	251·0	39	416	49·5	16
6·0	479	260·0	24	474	258·5	96	473	259·0	..	484	262·0	20	482	262·0	22	479	258·0	39	476	57·0	17
5·0	547	266·5	30	542	264·0	100	540	263·5	..	550	270·0	20	550	268·5	20	549	267·5	41	545	64·0	17
4·0	620	272·5	35	617	269·5	102	615	269·5	..	625	277·0	20	623	276·0	23	622	275·5	37	619	71·0	22
3·0	705	277·0	34	701	273·0	95	700	274·5	..	709	284·0	22	707	282·5	28	704	281·0	35	704	76·5	34
2·5	750	280·5	40	747	274·5	90	746	277·5	..	752	286·5	22	751	286·0	31	750	284·0	34	750	79·0	36
2·0	798	284·5	48	797	279·0	90	794	280·5	..	800	288·0	23	798	288·0	37	796	284·5	33	797	81·5	35
1·5	848	287·0	52	848	282·5	90	843	282·5	..	850	286·0	25	847	286·5	40	847	285·0	34	847	83·0	35
1·0	901	291·0	53	901	285·0	90	897	285·5	..	902	288·0	34	901	288·0	43	900	288·0	37	902	287·0	34
0·5	955	294·5	..	957	288·0	93	953	288·0	..	959	292·5	36	957	292·0	..	955	291·5	..	959	290·0	36
*G. L. (0·17)	994	297·5	55	995	289·5	96	992	292·5	70	997	294·0	36	994	298·5	46	994	293·5	51	997	293·0	45

*Temperatures and humidities at ground level are the values obtained at ascent, while at other heights the values are the means of those obtained from the ascending and descending curves.

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TABLE 19.

Agra. Lat. 27° 10′ N. Long 78° 05′ E.

Heights in geodynamic metres at which changes of lapse rate occur, with corresponding pressures in millibars and temperatures in degrees absolute.

Date.	Time of ascent—I. S. T.	H.	P.	T.	REMARKS.
	H. M.				
January, 6	17 25	2500	745	274·5	278·4 Sharp strong inversion in one curve. 277·5 The humidity in one curve decreases suddenly above this level.
		2650	730	278·5	
		~~13300~~	~~100~~	~~209·5~~	~~Lapserate small above this.~~
		15760	106	206·5	
		17400	80	201·0	Lowest temperature, stratosphere begins.
January, 12	17 26	1480	850	278·0	
		2750	720	274·0	
		4530	570	259·0	
		5380	510	257·0	
		7630	370	248·5	
		9860	265	226·5	
February, 16	18 30	2720	720	274·0	
		5070	530	266·0	
		6470	440	254·0	
		8500	330	238·0	
		9910	265	232·0	
		12650	172	212·5	
		15160	113	206·5	Lowest temperature, stratosphere begins.
February, 17	21 36	3390	665	268·0	Inversion.
		3730	633	270·0	
		7170	400	249·5	
		7600	378	248·5	
		9120	303	236·5	Inversion.
		9640	280	237·5	
		10000	265	235·0	
		12030	195	224·0	
		15010	120	203·0	
		15350	113	201·5	Lowest temperature. Stratosphere begins.
		18750	64	212·5	
March, 15	18 45	6950	420	255·0	
		7580	385	253·5	
		8500	340	249·0	
		15220	119	202·0	Stratosphere begins.
		16230	100	199·0	Lowest temperature.
March, 25	18 55	1350	860	290·5	
		4790	560	264·5	Very small lapserate. One curve shows a sharp change at 562 mb.
		6170	465	259·0	
		7800	370	244·0	Small. Sudden change, lapserate.
		9840	275	236·5	
		14590	130	206·0	
		15280	116	208·5	Break in record near position of tropopause.
		~~16140~~	~~100~~	~~202·0~~	
		17570	78	200·0	Lowest temperature.

Date.	Time of ascent—I. S. T.	H.	P.	T.	REMARKS.
	H. M.				
April, 9	18 5	1510	840	292·5	More prominent in one curve.
		3110	690	280·0	
		4250	600	271·5	
		~~5200~~	~~530~~	~~267·0~~	
		10520	260	227·5	
		14760	127	206·0	
		17450	80	198·0	Stratosphere begins.
		18070	72	202·0	
		18480	67	200·5	
April, 22	18 44	640	935	302·5	Ground inversion.
		4280	600	270·5	In one curve only.
		8730	325	238·0	
		9830	275	229·0	Small lapserate.
		10470	250	228·0	
		12100	195	218·0	Inversion.
		13080	167	216·5	
		15980	108	201·5	Stratosphere begins.
		16130	100	201·5	Lowest temperature.
		17410	80	202·5	
April, 24	18 56	500	950	307·0	
		6230	467	255·5	Small lapserate.
		6440	453	254·5	
		10370	244	224·5	Lapserate decreases above this.
May, 12	18 22	4480	590	275·5	Large lapserate till this height.
		7080	420	259·5	Nearly saturation adiabatic, coming to 10g per kilogram of dry air.
		8710	333	246·0	
		9250	310	243·5	Curve broken between these limits apparently. Strong inversion.
		10030	276	245·0	
		13500	165	220·5	
May, 19	18 46	4730	570	272·0	
		9180	315	246·0	Nearly dry air adiabatic lapserate.
		10010	280	238·0	
		12700	185	216·5	
		13220	170	215·0	Gradual change in lapserate above this.
		16310	100	196·5	
		17580	80	196·0	Lowest temperature.
					The change in lapserate is gradual at the transition to the stratosphere 110mb., 198°A., 15·9 gdkm).
May, 23	19 0	5300	530	268·5	In one curve. The curve of higher temperature. The temperatures are 269·6 & 269·6.
		~~5600~~	~~510~~	~~268·0~~	

SOUNDINGS WITH REGISTERING BALLOONS, 1927.

TABLE 19—*contd.*

Agra Lat. 27° 10′ N. Long. 78° 05′ E.

Heights in geodynamic metres at which changes of lapserate occur, with corresponding pressures in millibars and temperatures in degrees absolute.

Date.	Time of ascent—I. S. T.	H.	P.	T.	REMARKS.
	H. M.				
May, 23—*concld.*	19 0	7720	382	254·0	More prominent in the curve of higher temperature. There is an inversion in it.
		8390	350	252·5	
		17270	85	193·0	Lowest temperature.
					Stratosphere begins. Curve of lower temperature disturbed from surface up to 167 mb. (=13350 gdm.).
June, 11	18 37	3050	700	284·5	In one of the curve change gradual.
		5260	530	269·5	Gradual.
		8050	366	256·5	,,
		17000	90	197·5	Stratosphere begins. Lowest temperature.
June, 13	12 29	4300	600	275·5	Lapserate become smaller above this.
		6200	470	266·0	
		7410	400	263·0	Temperature rapidly increases above this probably due to insolation.
June, 14	12 34	4300	600	276·5	In one curve only.
		5290	530	273·0	
		7220	410	264·0	
		16600	100	201·5	Lowest temperature (mean of 198·6 and 204) stratosphere begins.
		17900	80	202·0	Inversion begins.
June, 15	18 24	3400	670	283·5	
		6600	447	263·5	Humidity decreases above this level.
		8580	342	253·5	Lapserate high above this.
		16970	90	193·0	Lowest temperature.
		16370	100	194·0	Stratosphere begins.
June, 16	18 23	3630	650	281·0	Gradual.
		7420	400	260·0	,,
		14000	150	206·5	Prominent in one curve only.
		16320	100	198·5	Prominent in the other curve, stratosphere begins (Lowest mean temperature).
July, 7	18 12	..	..	..	No sharp change anywhere. Practically follows saturation adiabatic from 800 mb. upwards. There is a pair of extra-traces between 615 mb. and 419 mb. (4050 gdm. and 7090 gdm.).
August, 8	18 17	..	..	..	Very short record.
August, 12	18 13	16400	100	191·5	Lowest temperature.
		17640	80	193·0	Places of maximum humidity (i) between 800 and 600 mb. *i.e.* 1·9 and 4·3 km. and (ii) between 340 and 370 mb. *i.e.* 8·0 and 8·7 km.
August, 26	18 20	1300	860	295·5	
		4290	600	282	
August, 29	18 23	1600	830	295·5	Gradual.
		2480	750	289·5	,,
		8040	370	259·5	,, Unstable for ascending saturated air.
September, 13	18 20	1820	812	292·5	More prominent in one curve—decrease of humidity above in one curve.
		5000	550	271·0	Inversion. Dry air above inversion.
		5350	525	272·5	
		10000	280	238·5	Small lapserate.
		10350	265	236·5	
		14000	150	207·0	
		16140	104	197·0	Stratosphere begins.
September, 17	18 12	3470	66	282·0	Inversion in one curve.
		3910	630	281·0	
		5800	499	69·5	
		6060	480	70·0	Inversion.
September, 22	18 7	2170	775	288·5	Humidity decreases above this.
		3030	700	287·5	
		5900	490	268·0	
		9530	300	246·5	Lapserate increases above this.
		15700	112	193·5	Lapserate decreases above this.
		16800	92	190	Lowest temperature. Stratosphere begins.
October, 1	17 53	670	930	299	
		1400	850	292·5	
		6520	450	263·5	
		9720	290	245	
		16400	98	187·5	Stratosphere begins.
		17500	80	188	
October, 11	17 55	2720	730	281·5	
		3640	650	279·5	
October, 14	17 53	2510	750	285	
		3900	630	280	
		8000	370	254	
		8870	330	250	
		15620	114	196·5	
		16080	105	196·5	
		17020	89	192	Lowest temperature. Stratosphere begins.
October, 17	17 43	3080	700	279·5	
		3670	650	279·5	

SOUNDINGS WITH REGISTERING BALLOONS, 1927.

TABLE 19—*concld.*

Agra Lat. 27° 10′ N. Long. 78° 05′ E.

Heights in geodynamic metres at which changes of lapserate occur, with corresponding pressures in millibars and temperatures in degrees absolute.

Date.	Time of ascent—I. S. T. H. M.	H.	P.	T.	REMARKS.
October, 17—*concld.*	17 43	5000	550	270	
		5300	530	270	
		8700	335	245	
		10270	265	236·5	
		14220	144	207	
		17240	85	195·5	Lowest temperature. Stratosphere begins.
October, 18	17 48	2520	750	283·5	Inversion.
		2840	720	284	
		4320	600	276	
		5200	535	271·5	
		9330	305	238·5	
		10680	250	232·0	
October, 19	17 40	2370	765	284·5	
		2640	740	284·5	
		3800	640	276·5	
		4320	600	275	
		12300	195	219·5	
October, 20	17 30	2760	730	282	Maximum humidity in one curve.
		4310	600	271·5	Inversion.
		4720	570	272	
October, 21	17 27	2770	730	282·5	
		3830	640	275	
		4320	600	274	
October, 31	17 25	2710	732	280	
		3080	700	279	
		3600	655	274	
		3900	630	273·5	
		4830	560	270	
		5210	535	266	
		8950	320	241	
		11070	233	230	
		14700	130	204	Lowest temperature.
November, 10	17 3	2830	720	278	Prominent in one curve.
		4400	590	271	
		7670	380	247·5	Small lapserate.
		8600	335	244	
		11100	230	227·5	
		13220	165	210·5	
		13610	154	210	
		14190	140	205·5	
		14840	125	205·5	
		15600	110	201·0	Stratosphere begins.
		16140	100	200·5	Lowest temperature.
		16780	90	205	
		18580	66	203·5	
November, 13	16 30	2700	730	273·5	
		3500	660	272	
		3610	330	242	
November, 14	15 18	800	920	286·5	
		1770	815	281·5	
		4890	550	264	
		7780	370	246·5	Practically isothermal.
		8600	330	246·5	
November, 23	17 0	1340	865	286	
		2000	800	288	
		2300	770	287·5	
		6270	467	259·5	
		14850	125	203·5	Stratosphere begins at 14000 gdkm.
		15500	112	205	
		16760	90	201	
December, 9	16 55	1300	870	286·5	
		2120	785	288·0	
		4930	555	270·0	
		7190	410	252·0	
		10570	250	226·5	
		12010	200	218·0	
		13150	167	210·0	Stratosphere begins.
		15000	122	209·0	
		16600	93	200·5	Lowest temperature.
December, 14	16 56	1380	860	285·5	In one curve.
		1970	800	286·0	
		2170	780	280	In the other curve.
		2710	730	283	
		6130	470	257·0	
		8060	360	244	
		10900	235	218	
		13500	155	213·5	
		15000	120	203·0	Stratosphere begins.
December, 29	17 17	1480	850	283·0	
		1960	800	281·5	
		2940	710	276·5	In one curve. Humidity also decreases above this in one curve.
		3570	655	274·0	
		7100	410	249·0	
		7270	400	248·0	
		10570	245	219·0	
		10870	233	218·5	
		11810	200	210·5	
		12990	165	205·0	

SOLAR AND MAGNETIC ACTIVITY.

REPORT FROM KODAIKANAL OBSERVATORY.

The sun in 1927 has failed to show any marked increase in activity over the year 1926. Spot numbers show an increase of only 7 per cent, prominence numbers an increase of 7 per cent, whilst prominence areas show a decrease of 15 per cent and prominences seen on the disc by absorption a decrease of 20 per cent.

The alterations to the Hα spectroheliograph have formed the principal work of the year. A newly designed holder of the occulting disc for prominence spectroheliograms has proved invaluable for the photography of rapidly changing prominences by enabling the position of the disc to be changed instantaneously. Some progress has been made on the review of prominence activity; Mr. P. R. Chidambara Aiyar has found that the variation in prominence areas is due more to a variation in the extent of base than in the height of prominences. A daylight comet of extraordinary brilliance was seen near the sun from December 15th to December 18th.

Sunspots.—The following table gives the monthly numbers of new groups observed at Kodaikanal and their distribution between the northern and southern hemispheres. The mean daily numbers of spots visible are also given :—

TABLE 20.

1927	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
New groups .	26	26	28	22	31	21	16	15	24	24	25	23	281
North „ .	9	17	14	11	12	6	6	4	12	11	9	11	122
South „ .	17	9	14	11	19	15	10	11	12	13	16	12	159
Mean daily numbers .	5·3	6·9	5·4	5·4	6·2	3·8	3·4	3·2	4·5	5·3	4·8	3·4	4·8

There has been an increase of activity of 7 per cent on the previous year, as indicated by the above figures, and the southern hemisphere has predominated over the northern.

The approximate mean latitude of the spots was 15°·9 in the northern hemisphere and 14°·7 in the southern.

Prominences.—The mean daily areas in square minutes of arc derived from Kodaikanal photographic records are as follows :—

——	North.	South.	TOTAL.
1927 January to June . .	4·15	3·58	7·73
„ July to December . .	3·03	2·47	5·50

The mean daily numbers were 19·4 and 19·7 for the first and second half years respectively. Compared with the year 1926 areas show a decrease of 15 per cent and numbers an increase of 7 per cent.

The maximum of prominence activity in high latitudes showed an advance of 10° towards the poles during the first half year, when compared with the second half of 1926, but during the second half of 1927 the activity in high latitudes has almost subsided according to areas although still evident in numbers. In other respects the distribution in latitude is of a similar type to that of the second half of 1926.

Prominences exhibiting metallic lines numbered only 81 whereas 152 occurred in 1926. All occurred below latitude 50°. In several features, however, there was an increase in solar activity during 1927. The number of hydrogen displacements in prominences and in the chromosphere was 787 as against 650 in 1926 but 535 of them occurred in the first half of the year. Of the displacements, 456 were towards the red, 322 towards the violet and 9 both ways simultaneously. The most remarkable displacement occurred in the eruptive prominence of the 14th March 1927, of which further details are given in Kodaikanal Observatory Bulletin No. LXXXIII.

The mean daily area of prominences projected on the disc as absorption markings in hydrogen light was 3766 millionths of the sun's visible disc, a reduction of over 20 per cent on the year 1926. Their distribution in latitude is similar to that in 1926.

T. ROYDS,

Director,

Kodaikanal and Madras Observatories.

REPORT FROM THE BOMBAY OBSERVATORY.

Alibag Magnetic Record.

The following table gives the monthly mean values of the magnetic elements during the year 1927. These values have been obtained by applying suitable corrections for diurnal variations to the observed absolute values of the elements determined by the various magnetic instruments.

TABLE 21.

1927.	Absolute values of			
Months.	Horizontal force.	Vertical force.	Inclination.	Declination.
	C. G. S.	C. G. S.	° ′	° ′ ″
January	0·37098	0·17616	25 24·0	0 1 14 W
February	·37116	·17616	25 23·4	0 1 37 W
March	·37099	·17622	25 24·5	0 1 11 W
April	·37132	·17627	25 24·4	0 1 33 W
May	·37125	·17642	25 25·0	0 1 54 W
June	·37144	·17643	25 24·4	0 2 14 W
July	·37139	·17649	25 25·1	0 1 59 W
August	·37103	·17657	25 27·0	0 2 51 W
September	·37115	·17656	25 26·5	0 3 1 W
October	·37127	·17661	25 26·4	0 2 0 W
November	·37144	·17667	25 26·3	0 3 0 W
December	·37138	·17675	25 27·0	0 3 49 W

The annual mean values of the magnetic elements are as follows :—

Mean Declination	0° 2′ 12″ W.
„ horizontal force	0·37123 C. G. S.
„ vertical force	0·17645 C. G. S.
„ inclination	25° 25·3′

During the year there were 180 calm days, 138 days of small, 39 days of moderate, 8 days of great and 5 days of very great disturbance.

The mean annual values of the magnetic elements and their changes during the last five years are given in the following table.

TABLE 22.

Year.	Horizontal Force.		Vertical Force.		Inclination.		Declination.	
	Annual mean.	Change.	Annual mean.	Change.	Annual mean.	Change.	Annual mean.	Change.
	C. G. S.	C. G S.	C. G. S.	C. G. S.	° ′	° ′	° ′	′
1923	·36985	..	·17372	..	25 9·6	..	0 8·9 E	..
	..	+·00043	..	+·00071	..	+4·3	..	−3·0
1924	·37028	..	·17449	..	25 13·9	..	0 5·9 E	..
	..	+·00037	..	+·00076	..	+4·4	..	−2·5
1925	·37065	..	·17525	..	25 18·3	..	0 3·4 E	..
	..	+·00014	..	+·00065	..	+4·5	..	−2·6
1926	·37079	..	·17590	..	25 22·8	..	0 0·8 E	..
	..	+·00044	..	+·00055	..	+2·5	..	−3·0
1927	·37123	..	·17645	..	25 25·3	..	0 2·2 W	..

The value of H continued to rise at a generally increasing rate from the minimum in 1916. Declination diminished during the year at a rate which is nearly the mean of the last ten years. Both the vertical force and the inclination showed, as usual, a gradual increase.

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

TABLE 23.

1927.	MONTH.											
Date.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1 . .	1	1	1	0	0	1	1	0	1	0	0	1
2 . .	0	0	0	0	0	1	0	1	1	1	0	1
3 . .	0	1	0	0	2	1	0	0	1	1	0	0
4 . .	2	0	0	1	1	0	0	0	2	0	0	0
5 . .	1	0	0	1	2	1	1	1	1	1	0	1
6 . .	1	0	0	0	1	0	1	0	2	1	0	1
7 . .	2	0	0	2	2	0	2	0	2	2	0	1
8 . .	0	1	0	2	1	0	1	0	2	2	1	1
9 . .	0	1	1	2	1	0	0	0	2	2	1	1
10 . .	0	1	2	1	0	1	0	1	2	2	1	1
11 . .	1	0	1	2	0	1	0	0	1	1	0	0
12 . .	1	1	0	1	0	1	0	0	1	2	0	0
13 . .	0	1	1	1	0	0	0	0	1	2	0	2
14 . .	1	0	1	2	0	1	0	0	1	0	0	2
15 . .	0	0	1	1	1	1	0	1	1	0	0	1
16 . .	0	1	2	0	1	0	0	1	0	0	1	1
17 . .	1	1	2	0	0	1	1	0	0	0	0	2
18 . .	1	1	1	1	0	0	0	0	0	0	2	2
19 . .	1	0	1	0	2	0	0	1	0	0	1	1
20 . .	0	0	2	0	2	0	0	2	1	0	1	0
21 . .	0	0	0	0	0	0	2	2	0	0	1	0
22 . .	0	0	0	0	0	0	2	1	0	2	0	0
23 . .	0	0	0	1	1	0	2	0	0	2	0	1
24 . .	2	2	0	2	0	0	1	0	1	1	0	0
25 . .	1	1	0	1	0	0	0	0	1	1	0	0
26 .	1	1	2	0	0	2	0	0	1	1	1	0
27 . .	0	0	2	0	2	1	1	1	1	0	0	0
28 . .	0	1	1	0	2	0	0	1	1	0	0	2
29 . .	1	..	1	0	0	0	0	2	1	1	1	0
30 . .	0	..	1	0	0	1	0	2	1	1	1	0
31 . .	0	..	1	..	0	..	1	1	..	0	..	1
Sum . .	18	15	24	21	21	14	16	18	29	26	12	23

In the above table, 0 represents calm day, 1 represents day of small disturbance and 2 represents day of large disturbance.
Days are reckoned from 4 h. 51 m. of local civil mean time corresponding to 0 h. 0 m. of Greenwich civil mean time.

The following is a list of days during the year 1927 selected as "Quiet" from the Alibag magnetic records. Days are calculated from midnight to midnight, Alibag mean time.

TABLE 24.

Months.	Selected quiet days.				
1927.					
January	3	9	16	20	28
February	5	7	14	21	22
March	3	4	7	21	25
April	2	6	17	22	27
May	2	12	17	24	30
June	4	8	19	24	29
July	4	9	12	25	29
August	6	8	17	24	26
September	16	17	18	19	23
October	4	15	17	21	28
November	1	7	13	22	25
December	3	4	21	25	30

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SEISMIC RECORDS.

STATION—KODAIKANAL.

$\phi = 10° 13' 50''$; $\lambda = 77° 28' 00''$ E $h = 2343$ m. *Subsoil*—Rock.

Apparatus—Milne's Horizontal Pendulum Seismograph.

TABLE 25.

	v	To	ϵ	$\frac{r}{To^2}$	
AE	9·76	16·4	1	3·0	January, March, August, October.
	9·76	16·5	1	3·0	February.
	9·76	16·2	1	2·9	April.
	9·76	16·2	1	3·0	May.
	9·76	16·1	1	3·0	June.
	9·76	16·5	1	2·9	July, November.
	9·76	16·3	1	2·9	September, December.

Date.	Phase.	Time G.M.T.	Period (Sec.)	Amplitude. (μ) AE.	Remarks.
1927.		h. m. s.			
Jan. 13th	eP	2 52 24	..	..	
	F	3 00 30	..	..	Widening of line.
„ 14th	eP	7 08 48	..	..	
	F	7 11 42	..	..	
„ 17th	eP	22 37 36	..	..	Widening of line.
	F	22 50 30	..	..	
„ 21st	eP	9 58 18	..	..	Widening of line.
	F	10 13 24	..	..	
„ 24th	eP	1 19 24	..	..	Widening of line.
	eL	2 01 12	..	..	
	M	2 27 42	..	1·8°	
	F	4 09 42	..	..	
„ 24th	eP	7 06 42	..	..	
	F	8 13 12	..	..	Widening of line.
„ 25th	eP	3 59 00	..	..	
	F	4 03 24	..	..	Widening of line.
„ 25, 26th	eP	23 35 36	..	..	
	F	0 53 36	..	..	Widening of line.
„ 27th	eP	8 15 30	..	..	
	eL	8 22 12	..	..	
	M	8 23 48	..	0·6	
	F	8 47 54	..	..	
„ 30th	eP	8 44 48	..	..	
	iL	9 05 54	..	..	
	M	9 07 54	..	0·5	
	F	9 23 42	..	..	

Date.	Phase.	Time G.M.T.	Period (Sec.)	Amplitude. (μ) AE.	Remarks.
1927.		h. m. s.			
Feb. 3rd	eP	3 27 48	..	..	
	eL	?	..	..	
	M	3 34 48	..	?	Marked by hour mark.
	F	3 43 30			
„ 3rd	eP	4 19 48	..	..	
	eL	4 24 30	..	..	
	M	?	..	?	Marked by hour mark.
	F	4 50 24	..	..	
„ 3rd	eP	5 19 48	..	..	
	M	..	..	..	Marked by hour mark.
	F	?	..	..	Widening of line.
„ 16th	eP	1 44 54	..	..	
	eL	2 17 06	..	..	
	M	2 23 18	..	2·1	
	F	4 52 42	..	..	
„ 16th	eP	9 14 12	..	..	
	F	9 37 54	..	..	Widening of line.
„ 16th	eP	12 21 36	..	..	
	F	12 58 06	..	..	Widening of line.
„ 21st	eP	12 51 24	..	..	
	F	13 14 18	..	..	Widening of line.
„ 28th	eP	14 41 18	..	..	
	eL	15 32 48	..	..	
	M	15 36 42	..	0·5	
	F	16 36 12	..	..	
Mar. 3rd	eP	13 07 12	..	..	
	iL	13 21 00	..	..	
	M	13 37 00	..	4·4	
	F	15 13 30	..	..	

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude. (μ) AE.	Remarks.
1927.		h. m. s.			
Mar. 3rd	eP	17 33 36	..	..	
	F	17 46 48	..	..	Widening of line.
„ 7th	eP	9 37 36	..	..	
	iL	9 45 30	..	..	
	M	10 07 54	..	16·0	
	F	12 55 54	..	..	
„ 14th	eP	17 48 18	..	..	
	eL	17 55 12	..	..	
	M	17 58 12	..	0·4	
	F	18 20 06	..	..	
„ 15th	eP	17 01 18	..	..	
	F	17 20 00	..	..	Widening of line.
„ 15th	eP	22 03 36	..	..	
	eL	22 08 54	..	..	
	M	22 09 24	..	0·5	
	F	22 26 06	..	..	
„ 19th	eP	20 40 24	..	..	
	F	20 49 06	..	..	Widening of line.
„ 21st	iP	15 22 24	..	..	
	iL	15 28 30	..	..	
	M	15 32 30	..	0·8	
	F	16 19 48	..	..	
April 13th	eP	13 57 06	..	..	
	eL	14 09 06	..	..	
	M	14 18 48	..	0·6	
	F	14 35 36	..	..	
„ 14th	eP	6 42 54	..	..	
	iL	6 52 30	..	..	

TABLE 25—*contd.*

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude. (μ) AE.	Remarks.
1927.		h. m. s.			
April 14th	M	7 05 42	..	0·6	
	F	?	..	..	Over lapping.
„ 14th	eP	?	..	..	
	eL	7 43 18	..	..	
	M	7 44 06	..	0·7	
	F	8 39 30	..	..	
„ 16th	eP	8 39 36	..	..	
	eL	9 06 36	..	..	
	M	9 09 42	..	0·5	
	F	?	..	..	Over lapping.
„ 16th	eP	?	..	..	
	eL	9 33 30	..	..	
	M	9 34 30	..	0·6	
	F	10 23 06	..	..	
„ 19th	eP	17 40 48	..	..	
	eL	17 53 48	..	..	
	M	18 03 30	..	0·6	
	F	18 26 54	..	..	
„ 20th	eP	..	..	..	No P. T.'s.
	eL	14 24 12	..	..	
	M	14 24 54	..	0·5	
	F	14 33 06	..	..	
„ 27th	eP	19 54 30	..	..	
	F	20 08 48	..	..	Widening of line.
„ 30th	eP	..	..	..	No P. T.'s.
	iL	14 12 06	..	..	
	M	14 12 42	..	0·6	
	F	14 27 06	..	..	
May 3rd	eP	3 33 24	..	..	
	F	3 44 06	..	..	Widening of line.
„ 9th	eP	6 06 00	..	..	
	F	6 11 00	..	..	Widening of line.
„ 9th	eP	10 42 06	..	..	
	eL	10 47 18	..	..	
	M	10 50 54	..	1·1	
	F	11 00	..	..	
„ 10th	eP	6 15 1	..	..	
	eL	6 17 18	..	..	
	M	6 20 54	..	0·6	Marked by hour mark.
	F	?	..	..	
„ 10th	eP	7 39 42	..	..	
	F	7 50 54	..	..	Widening of line.
„ 16th	eP	12 43 00	..	..	
	F	12 56 54	..	..	Widening of line.
„ 17th	eP	6 21 06	..	..	
	F	6 29 30	..	..	Widening of line.
„ 22, 23rd	iP	22 39 24	..	..	
	iL	22 44 48	..	..	
	M	23 03 48	..	Exceeds 17·6	
	F	2 29 42	..	..	

Date.	Phase.	Time G.M.T.	Period (Sec.)	Amplitude. (μ) AE.	Remarks.
1927.		h. m. s.			
May 23rd	eP	2 59 54	..	..	
	F	3 27 42	..	..	Widening of line.
June 2nd	eP	15 40 18	..	..	
	F	16 04 36	..	..	Widening of line.
„ 2nd	eP	16 33 48	..	..	
	iL	16 44 42	..	..	
	M	16 44 42	..	2·75	
	F	18 17 42	..	..	
„ 2nd	eP	22 44 24	..	..	
	F	22 52 06	..	..	Widening of line.
„ 3rd	iP	7 21 24	..	..	
	iL	7 33 18	..	..	
	M	7 36 06	..	2·6	
	F	9 22 06	..	..	
„ 6th	eP	19 22 54	..	..	
	F	19 51 54	..	..	Widening of line.
„ 14th	eP	17 57 00	..	..	
	eL	18 06 54	..	..	
	M	18 17 18	..	0·5	
	F	18 28 42	..	..	
„ 22nd	eP	..	..	..	No P.T's.
	eL	0 00 48	..	..	
	M	0 02 48	..	0·5	
	F	0 13 12	..	..	
July 1st	eP	8 36 42	..	..	
	eL	8 51 36	..	..	
	M	8 54 24	..	0·75	
	F	9 16 24	..	..	
„ 3rd	eP	7 44 30	..	..	
	eL	7 48 24	..	..	
	M	7 49 54	..	0·4	
	F	7 59 30	..	..	
„ 7th	eP	?	..	..	
	eL	?	..	..	
	M	?	..	2·1	Lost as the sheet did not move.
	F	?	..	..	
„ 11th	eP	13 18 48	..	..	
	eL	13 29 12	..	..	
	M	13 31 48	..	0·6	Width of hour mark at 13 h. 30 m. allowed for.
	F	14 22 06	..	..	
„ 12th	eP	21 52 42	..	..	
	F	22 04 00	..	..	Widening of line.
„ 22nd	eP	4 07 18	..	..	
	eL	4 12 36	..	..	
	M	4 19 18	..	2·6	
	F	5 21 06	..	..	
„ 22nd	eP	8 52 30	..	..	
	F	9 08 36	..	..	Widening of line.

Date.	Phase.	Time G.M.T.	Period (Sec.)	Amplitude. (μ) AE.	Remarks.
1927.		h. m. s.			
July 23rd	eP	20 33 06	..	..	
	iL	20 37 24	..	..	
	M	20 41 24	..	0·9	
	F	21 20 18	..	..	
„ 23rd	eP	22 52 00	..	..	
	eL	23 00 18	..	..	
	M	23 05 42	..	0·6	
	F	23 25 54	..	..	
„ 25th	eP	19 50 18	..	..	
	F	20 10 30	..	..	Widening of line.
„ 25th	eP	21 59 30	..	..	
	F	22 05 48	..	..	Widening of line.
„ 28th	eP	17 15 18	..	..	
	eL	17 20 12	..	..	
	M	17 21 30	..	0·4	
	F	?	..	..	Marked by hour mark.
„ 29th	eP	0 08 06	..	..	
	eL	0 09 42	..	..	
	M	0 11 42	..	1·9	
	F	0 45 18	..	..	
Aug. 5th	eP	21 23 36	..	..	
	eL	21 51 00	..	..	
	M	21 56 12	..	1·3	
	F	23 04 54	..	..	
„ 10th	iP	11 46 12	..	..	
	iL	11 53 54	..	..	
	M	12 18 42	..	1·6	
	F	14 51 18	..	..	
„ 12th	eP	..	..	..	No P.T.'s.
	iL	10 40 00	..	..	
	M	10 40 48	..	0·4	
	F	10 52 36	..	..	
„ 18th	eP	..	..	..	No P.T's.
	eL	1 59 24	..	..	
	M	2 00 54	..	0·4	
	F	2 07 48	..	..	
„ 18th	eP	19 38 30	..	..	
	iL	19 47 24	..	..	
	M	20 16 24	..	1·1	
	F	21 18 42	..	..	
„ 20th	eP	22 21 24	..	..	
	F	?	..	..	Widening of line marked by hour mark.
„ 21st	eP	0 34 18	..	..	
	eL	1 31 18	..	..	
	M	1 37 18	..	1·1	
	F	2 27 42	..	..	
„ 21st	eP	3 34 06	..	..	
	F	3 39 24	..	..	Widening of line.

TABLE 25—*concld.*

Date.	Phase.	Time G.M.T.	Period (Sec.)	Amplitude. (μ) Ae.	Remarks.
1927.		h. m. s.			
Aug. 23rd	eP	7 10 48	..	..	
	F	7 27 24	..	..	Widening of line.
„ 24th	eP	18 18 48	..	..	
	eL	18 35 06	..	..	
	M	18 39 42	..	1·0	
	F	19 10 42	..	..	
Sept. 3rd	eP	20 13 00	..	..	
	eL	20 48 36	..	..	
	M	20 59 12	..	0·6	
	F	21 59 30	..	..	
„ 11th	eP	22 25 18	..	..	
	eL	?	..	..	Marked by hour mark.
	M	22 55 36	..	1·6	
	F	24 00 18	..	..	
„ 23rd	eP	14 07 06	..	..	
	eL	14 12 00	..	..	
	M	14 14 18	..	1·4	
	F	14 38 06	..	..	
Oct. 8th	eP	..	..	..	No P.T's.
	eL	10 44 48	..	..	
	M	10 45 30	..	0·4	
	F	10 59 12	..	..	
„ 13th	eP	5 08 42	..	..	
	iL	5 12 48	..	..	
	M	5 15 06	..	?	
	F	?	..	..	Test contacts made with the clock marked there.
„ 15th	eP	11 38 54	..	..	
	F	11 38 06	..	..	Widening of line. No hour and half hour marks near.
„ 15th	eP	13 15 54	..	..	
	F	13 21 18	..	..	Widening of line. No hour and half hour marks near.
„ 16th	eP	12 45 54	..	..	
	eL	12 49 42	..	..	
	M	12 54 54	..	0·4	
	F	13 03 24	..	..	

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude. (μ) Ae.	Remarks.
1927.		h. m. s.			
Oct. 16th	eP	14 39 36	..	..	
	F	14 54 24	..	..	Widening of line.
„ 19th	eP	14 04 18	..	..	
	eL	14 10 00	..	..	
	M	14 11 18	..	0·4	
	F	14 16 42	..	..	
„ 24th	eP	16 26 36	..	..	
	eL	16 57 42	..	..	
	M	17 00 48	..	2·8	
	F	20 07 18	..	..	
Nov. 2nd	eP	21 20 54	..	..	
	eL	21 24 12	..	..	
	M	21 28 12	..	0·6	
	F	21 45 54	..	..	
„ 4th	eP	14 26 18	..	..	
	eL	15 09 48	..	..	
	M	15 10 54	..	0·5	
	F	16 16 00	..	..	
„ 8th	eP	3 26 12	..	..	
	eL	3 31 30	..	..	
	M	3 36 06	..	0·6	
	F	4 22 06	..	..	
„ 12th	eP	15 07 06	..	..	
	F	15 14 36	..	..	Widening of line.
„ 14th	eP	0 42 18	..	..	
	iL	0 49 24	..	..	
	M	0 51 12	..	1·3	
	F	1 37 06	..	..	
„ 14th	eP	5 15 00	..	..	
	iL	5 31 24	..	..	
	M	5 34 30	..	3·5	
	F	6 29 24	..	..	

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude. (μ) Ae.	Remarks.
1927.		h. m. s.			
Nov. 14th	eP	7 40 54	..	..	
	eL	8 39 12	..	..	
	M	8 45 48	..	0·6	
	F	9 29 24	..	..	
„ 14th	eP	15 46 24	..	..	
	F	15 58 30	..	..	Widening of line.
„ 16th	iP	21 18 18	..	..	
	iL	21 25 12	..	..	
	M	21 47 24	..	1·7	
	F	22 47 54	..	..	
„ 18th	eP	3 38 30	..	..	
	eL	3 43 48	..	..	
	M	3 55 06	..	0·4	
	F	4 10 30	..	..	
„ 21, 22nd	eP	0 00 00	..	..	
	eL	0 29 00	..	..	
	M	0 46 00	..	1·3	
	F	1 51 24	..	..	
Dec. 1st	eP	4 48 48	..	..	
	iL	5 06 24	..	..	
	M	5 07 54	..	1·5	
	F	5 42 42	..	..	
„ 5th	eP	18 43 48	..	..	
	F	18 59 36	..	..	Widening of line.
„ 11th	eP	17 41 12	..	..	
	eL	17 57 18	..	..	
	M	17 58 48	..	0·5	
	F	18 26 06	..	..	
„ 16th	eP	20 09 48	..	..	
	F	20 13 00	..	..	Widening of line.
„ 28th	eP	9 33 00	..	..	
	F	9 58 12	..	..	Widening of line.
„ 28th	eP	18 32 18	..	..	
	iL	18 58 54	..	..	
	M	19 17 30	..	3·0	
	F	21 29 48	..	..	

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STATION—COLABA, BOMBAY.

$\phi = 18° \ 53' \ 36''$ N ; $\lambda = 72° \ 48' \ 54''{\cdot}03$; $h = 6$ metres, Subsoil—Trap.

Apparatus.—Milne-Shaw Seismograph (N-S). (In the underground constant temperature room.)

Damping ratio 20: 1.

TABLE 26.

	V	To	e	$\frac{1}{To^2}$
AN	250	12	2·6	..

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude. (μ) An. Ae.	Remarks.
1927.		h. m. s.			
Jan. 3rd	P	22 25 11	..	.. ..	Feeble shock.
	L	22 37 3	..	.. ..	
	F	23 1 0	..	.. ..	
„ 7th	e	12 3 0	..	.. ..	Tremors.
	F	12 48 0	..	.. ..	
„ 12th	P	0 19 11	..	.. ..	Feeble shock.
	F	0 49 1	..	.. ..	
„ 12th	e	22 34 0	..	.. ..	Tremors.
	F	23 6 0	..	.. ..	
„ 14th	e	7 27 0	..	.. ..	Tremors.
	F	Lost in shifting time			
„ 17th	P	22 8 39	..	.. ..	
	S	22 17 9	..	.. ..	
	L	22 31 9	..	.. ..	
	M	22 35 44	17	7 ..	
	F	23 11 9	..	.. ..	
„ 20th	P	8 56 6	..	.. ..	Feeble shock.
	L	9 0 43	..	.. ..	
	Fe	9 10 0	..	.. ..	
„ 24th	P	1 18 35	..	.. ..	
	S	1 30 9	..	.. ..	
	Le	1 58 17	..	.. ..	
	M	2 12 42	18	16 ..	
	F	4 23 0	..	.. ..	
„ 24th	P	7 5 45	..	.. ..	
	S	7 18 30	..	.. ..	
	L	7 48 5	..	.. .	
	M	7 49 5	20	6 ..	
	Fe	8 49 0	..	.. ..	
„ 25-26th	P	23 31 4	..	.. ..	Feeble shock.
	F	0 58 29	..	.. ..	
„ 26th	Pe	15 53 0	..	.. ..	Very feeble shock.
	F	17 25 0	..	.. ..	
„ 27th	P	8 19 37	..	.. ..	Feeble shock.
	M	8 24 47	20	6 ..	
	F	9 6 0	..	.. ..	

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude. (μ) An. Ae.	Remarks.
1927.		h. m. s.			
Jan. 29th	P	17 47 6	..	.. ..	Slight shock.
	L	17 57 56	..	.. ..	
	F	20 35 0	..	.. ..	
„ 30th	P	8 56 20	..	.. ..	
	S	8 58 56	..	.. ..	
	L	9 0 15	..	.. ..	
	M	9 2 8	11	20 ..	
	F	10 1 0	..	.. ..	
„ 31st	e	1 1 0	..	.. ..	Tremors.
	F	1 23 0	..	.. ..	
Feb. 1st	P	18 9 9	..	.. ..	
	S	18 19 30	..	.. ..	
	L	18 40 59	..	.. ..	
	M	18 45 39	22	12 ..	
	F	20 25 0	..	.. ..	
„ 3rd	P	4 8 17	..	.. ..	
	S	4 11 27	..	.. ..	
	Le	4 13 47	..	.. ..	
	M	4 21 37	19	16 ..	
	F	5 59 0	..	.. ..	
„ 4th	P	3 6 28	..	.. ..	Slight shock.
	S	3 14 16	..	.. ..	
	L	3 25 58	..	.. ..	
	F	4 35 0	..	.. ..	
„ 13th	P	3 38 8	..	.. ..	
	S	3 41 50	..	.. ..	
	L	3 43 30	..	.. ..	
	M	3 44 38	6	16 ..	
	F	4 16 0	..	. ..	
„ 16th	P	1 46 35	..	.. ..	
	S	1 55 53	..	.. ..	
	L	2 18 3	..	.. ..	
	M	2 23 8	13	36 ..	
	F	5 56 0	..	.. ..	
„ 19th	P	8 47 57	..	.. ..	

Date.	Phase.	Time G.M.T.	Period. (Sec.)	Amplitude. (μ) An. Ae.	Remarks.
1927.		h. m. s.			
Feb. 16th	S	8 57 11	..	.. ..	Slight shock.
	Le	9 13 51	..	.. ..	
	M	9 23 46	13	3 ..	
	F	9 57 0	..	.. ..	
„ 16th	P	12 3 49	..	.. ..	
	S	12 13 1	..	.. ..	
	Le	12 29 19	..	.. ..	
	M	12 37 21	15	6 ..	
	F	13 22 0	..	.. ..	
„ 16th	e	14 6 0	..	.. ..	Tremors.
	F	15 36 0	..	.. ..	
„ 18th	Pe	23 8 54	..	.. ..	Slight shock.
	Se	23 13 14	..	.. ..	
	F	23 45 0	..	.. ..	
„ 21st	P	12 34 12	..	.. ..	
	S	12 41 36	..	.. ..	
	L	12 52 6	..	.. ..	
	M	13 5 41	16	4 ..	
	F	14 2 0	..	.. ..	
„ 22nd	P	20 13 19	..	.. ..	
	M	20 18 44	17	10 ..	
	F	21 3 0	..	.. ..	
„ 28th*	Pe	15 12 21	..	.. ..	
	M	15 24 33	..	.. ..	
	F	16 16 0	..	.. ..	
Mar. 3rd*	P	1 16 31	..	.. ..	
	S	1 22 31	..	.. ..	
	L	1 28 49	..	.. ..	
	M	1 36 1	..	.. ..	
	F	3 0 0	..	.. ..	
„ 7th†	P	9 37 29	..	.. ..	
	S	9 45 31	..	.. ..	
	L	9 57 9	..	.. ..	
	M	10 3 17	..	.. ..	
	F	11 39 0	..	.. ..	

† From Colaba Seismograph No. 1 (E.-W. component). * From Colaba Seismograph No. 2 (N.-S. component.)

TABLE 26—*contd.*

Date.	Phase.	Time G.M.T.	Period (Sec.).	Amplitude. (μ) An. Ae.	Remarks.
1927.		h. m. s.			
Mar. 7th*	P	9 37 23	..	.. ..	
	S	9 45 17	..	.. ..	
	L	9 57 3	..	.. ..	
	M	10 4 23	..	.. ..	
	Fe	11 39 0	..	.. ..	
„ 21st*	Pe	15 22 21	..	.. ..	
	M	15 34 27	..	.. ..	
	F	16 8 0	..	.. ..	
April 11th	Pe	22 13 16	..	.. ..	Feeble shock.
	S	22 20 56	..	.. ..	
	F	23 14 0	..	.. ..	
„ 13th	P	13 52 22	..	.. ..	
	S	13 59 52	..	.. ..	
	L	14 10 27	..	.. ..	
	M	15 11 7	18	8 ..	
	F	15 25 0	..	.. ..	
„ 14th	P	6 43 2	..	.. ..	
	Se	6 54 42	..	.. ..	
	L	7 23 22	..	.. ..	
	M	7 27 37	18	10 ..	
	F	10 5 0	..	.. ..	
„ 16th	P	8 27 42	..	.. ..	
	S	8 38 17	..	.. ..	
	L	8 59 42	..	.. ..	
	M	9 4 17	19	16 ..	
	F	11 11 0	..	.. ..	
„ 18th	P	15 6 30	..	.. ..	Slight shock.
	S	15 9 52	..	.. ..	
	F	15 43 0	..	.. ..	
„ 19th*	P	17 37 44	..	.. ..	
	M	17 55 54	..	.. ..	
	F	18 23 0	..	.. ..	
„ 20th	P	14 20 56	..	.. ..	
	S	14 25 4	..	.. ..	
	L	14 28 6	..	.. ..	
	M	14 29 31	9	4 ..	
	F	15 15 0	..	.. ..	
„ 24th	P	11 24 25	..	.. ..	Feeble shock.
	Se	11 27 40	..	.. ..	
	F	11 47 0	..	.. ..	
„ 26th	e	12 50 20	..	.. ..	Tremors.
	F	13 9 0	..	.. ..	
„ 27th	Pe	19 26 40	..	.. ..	Slight distant shock.
	M	19 53 35	17	3 ..	
	F	20 52 0	..	.. ..	
„ 28th	P	2 12 50	..	.. ..	Slight shock.
	L	2 20 30	..	.. ..	
	F	2 43 0	..	.. ..	

Date.	Phase.	Time G.M.T.	Period (Sec.).	Amplitude. (μ) An. Ae.	Remarks.
1927.		h. m. s.			
April 30th	P	14 1 25	..	.. ..	
	S	14 5 15	..	.. ..	
	L	14 7 25	..	.. ..	
	M	14 9 45	10	14 ..	
	F	15 10 0	..	.. ..	
May 2nd	e	12 42 28	..	.. ..	Tremors.
	F	13 14 0	..	.. ..	
„ 2nd	P	22 13 47	..	.. ..	Feeble shock.
	M	22 18 59	10	3 ..	
	F	22 38 0	..	.. ..	
„ 9th	P	5 20 0	..	.. ..	Thickening of line, may be due to slight local shock.
	F	5 21 0	..	.. ..	
„ 9th	P	5 42 20	..	.. ..	Thickening of line may be due to slight local shock.
	F	5 43 0	..	.. ..	
„ 9th	P	10 35 50	..	.. ..	
	S	10 41 17	..	.. ..	
	L	10 45 50	..	.. ..	
	M	10 46 27	15	11 ..	
	F	11 48 0	..	.. ..	
„ 10th	e	1 0 0	..	.. ..	Tremors.
	F	1 17 0	..	.. ..	
„ 10th	P	6 10 33	..	.. ..	
	S	6 15 52	..	.. ..	
	L	6 21 8	..	.. ..	
	M	6 23 25	19	7 ..	
	F	7 16 0	..	.. ..	
„ 10th	e	7 39 0	..	.. ..	Feeble shock
	F	8 21 0	..	.. ..	
„ 11th	e	1 40 0	..	.. ..	Tremors.
	F	1 55 0	..	.. ..	
„ 13th	P	15 22 3	..	.. ..	Slight shock.
	S	15 28 3	..	.. ..	
	Le	15 33 53	..	.. ..	
	F	16 4 0	..	.. ..	
„ 13-14th	P	23 20 42	..	.. ..	Slight shock.
	M	23 32 12	8	2 ..	
	F	0 22 0	..	.. ..	
„ 15th	e	3 2 0	..	.. ..	Tremors.
	F	3 46 0	..	.. ..	
„ 16th	e	12 10 0	..	.. ..	Tremors.
	F	13 10 0	..	.. ..	
„ 17th	P	6 16 56	..	.. ..	
	S	6 21 14	..	.. ..	
	L	6 24 4	..	.. ..	
	M	6 28 56	15	4 ..	
	F	6 56 0	..	.. ..	
„ 20th	Pe	10 58 51	..	.. ..	Slight shock.
	S	11 1 24	..	.. ..	

Date.	Phase.	Time G.M.T.	Period (Sec.).	Amplitude. (μ) An. Ae	Remarks.
1927.		h. m. s.			
May 20th	L	11 2 24	..	.. ..	
	F	11 23 0	..	.. ..	
„ 21st	e	7 7 0	..	.. ..	Feeble shock.
	F	7 43 0	..	.. ..	
„ 22nd	e	21 55 8	..	.. ..	Tremors.
	F	22 18 0	..	.. ..	
„ 22-23rd	P	22 39 15	..	.. ..	
	S	22 44 53	..	.. ..	
	F	2 50 0	..	.. ..	
„ 23rd	P	2 57 37	..	.. ..	
	M	2 3 52	15	26 ..	
	F	3 32 0	..	.. ..	
	e	4 0 0	..	.. ..	Tremors.
	F	5 11 0	..	.. ..	
	e	6 46 0	..	.. ..	Tremors.
	F	7 9 0	..	.. ..	
	e	13 2 0	..	.. ..	Tremors.
	F	13 10 0	..	.. ..	
	P	14 3 1	..	.. ..	Slight shock.
	M	14 9 24	10	7 ..	
	F	14 36 0	..	.. ..	
„ 23rd	e	22 33 0	..	.. ..	Tremors.
	F	23 22 0	..	.. ..	
„ 23rd-24th	Pe	3 58 10	..	.. ..	
	M	0 2 50	12	7 ..	
	F	0 32 0	..	.. ..	
„ 24th	e	17 17 0	..	.. ..	Feeble shock.
	F	17 34 0	..	.. ..	
„ 27th	P	3 8 41	..	.. ..	Feeble shock.
	M	3 13 12	10	3 ..	
	F	3 32 0	..	.. ..	
„ 28th	e	23 0 0	..	.. ..	Tremors.
	F	23 19 0	..	.. ..	
„ 29th	e	10 42 0	..	.. ..	Tremors.
	F	10 56 0	..	.. ..	
June 2nd	Pe	6 8 2	..	.. ..	Feeble shock.
	S	6 9 22	..	.. ..	
	F	6 31 0	..	.. ..	
„ 2nd	P	16 39 47	..	.. ..	
	S	16 41 32	..	.. ..	
	Le	16 42 12	..	.. ..	
	F	18 7 0	..	.. ..	
„ 2nd	P	19 32 45	..	.. ..	Local shock.
	S	19 32 55	..	.. ..	
	L	19 33 3	..	.. ..	
	F	19 43 0	..	.. ..	
„ 3rd†	P	7 22 34	..	.. ..	
	S	7 30 50	..	.. ..	
	L	7 43 47	..	.. ..	

† From Colaba Seismograph No. 1 (E.-W. component). * From Colaba Seismograph No. 2 (N.-S. component).

TABLE 26—*contd.*

Date.	Phase.	Time G.M.T.	Period (Sec.).	Amplitude. (μ) An.	Amplitude. (μ) Ae.	Remarks.
1927.		h. m. s.				
June 3rd	M	7 46 22	..	..	..	
	Fe	9 49 0	..	..	..	
,, 3rd*	P	7 22 35	..	..	..	
	S	7 30 48	..	..	..	
	L	7 43 47	..	..	..	
	M	7 45 40	..	..	..	
	Fe	9 49 0	..	..	..	
,, 6th	e	19 28 0	..	..	..	Tremors.
	F	19 49 0	..	..	..	
,, 11th	Pe	2 50 30	..	..	..	Feeble shock.
	F	3 38 0	..	..	..	
,, 14th	Pe	17 36 6	..	..	..	
	S	17 40 29	..	..	..	
	L	18 0 41	..	..	..	
	M	18 9 11	16	8	.	
	F	19 1 0	..	..	..	
,, 16th	e	2 51 0	..	..	..	Tremors.
	F	3 5 0	..	..	..	
,, 20th	e	14 54 0	..	..	..	Tremors.
	F	15 7 0	..	..	..	
,, 21-22nd	Pe	23 54 14	..	..	..	Feeble shock.
	S	23 58 34	..	..	..	
	Le	0 2 0	..	..	..	
	F	0 30 0	..	..	..	
,, 23-24th	Pe	23 57 57	..	..	..	Feeble shock.
	M	0 0 14	10	3	..	
	F	0 23 0	..	..	..	
,, 26th	P	11 28 37	..	..	..	Feeble shock.
	S	11 34 42	..	..	..	
	L	11 41 22	..	..	..	
	F	12 15 0	..	..	..	
July 1st	P	8 27 31	..	..	..	
	S	8 34 21	..	..	..	
	F	9 11 0	..	..	..	
,, 2nd	e	20 54 0	..	..	..	Tremors.
	F	21 9 0	..	..	..	
,, 7th	P	20 9 27	..	..	..	
	Se	20 12 5	..	..	..	
	L	20 16 23	..	..	..	
	F	20 42 0	..	..	..	
,, 11th	P	13 11 11	..	..	..	
	S	13 16 51	..	..	..	
	L	13 22 11	..	..	..	
	M	13 30 1	16	12	..	
	F	14 6 0	..	..	..	
,, 12th	P	20 26 56	..	..	..	
	Fe	21 7 0	..	..	..	
,, 14-15th	P	23 35 46	..	..	..	Feeble shock.
	F	0 10 0	..	..	..	
1927.		h. m. s.				
July 15th	P	3 53 40	..	..	..	Feeble shock.
	F	4 10 0	..	..	..	
,, 15th	Pe	21 17 51	..	..	..	Feeble shock.
	M	21 25 11	9	2	..	
	F	21 44 0	..	..	..	
,, 20th	P	19 15 42	..	..	..	
	M	19 22 14	10	3	..	
	Fe	19 33 0	..	..	..	
,, 22nd	P	4 0 20	..	..	..	
	S	4 5 33	..	..	..	
	L	4 9 57	..	..	..	
	M	4 14 50	13	41	..	
	F	5 14 0	..	..	..	
,, 22nd	e	5 41 0	..	.	..	Tremors.
	F	5 49 0	..	..	..	
,, 22nd	P	8 47 8	..	..	..	Feeble shock.
	M	8 56 48	10	3	..	
	F	9 9 0	..	..	..	
,, 23rd	P	20 23 2	..	..	..	
	S	20 27 21	..	..	..	
	L	20 36 16	..	..	..	
	M	20 37 50	12	18	..	
	F	21 10 0	..	..	..	
,, 23rd	P	22 45 38	..	..	..	
	S	22 49 53	..	..	..	
	L	22 52 42	..	..	..	
	M	23 0 18	10	11	..	
	F	23 24 0	..	..	..	
,, 28th	e	17 6 0	..	..	..	Tremors.
	F	17 30 0	..	..	..	
,, 29th	P	0 6 25	..	..	..	
	S	0 9 0	..	..	..	
	L	0 10 5	..	..	..	
	F	1 9 0	..	..	..	
Aug. 1st	e	17 47 0	..	..	..	Tremors.
	F	18 19 0	..	..	..	
,, 1st	e	19 18 0	..	..	..	Tremors.
	F	20 15 0	..	..	..	
,, 5-6th	P	21 23 13	..	..	..	
	S	21 31 43	..	..	..	
	L	21 45 58	..	..	..	
	M	21 53 3	12	20	..	
	F	0 22 0	..	..	..	
,, 6th	e	0 38 0	..	..	..	Tremors.
	F	1 40 0	..	..	..	
,, 8th	e	18 56 0	..	..	..	Tremors.
	F	19 27 0	..	..	..	
1927.		h. m. s.				
Aug. 10th	P	1 55 15	..	..	..	
	S	2 5 18	..	..	..	
	Le	2 25 23	..	..	..	
	M	2 57 43	26	85	..	
	F	Lost owing to stoppage of driving clock.				
,, 10th	P	11 46 19	..	..	..	
	S	11 54 37	..	..	..	
	L	12 7 54	..	..	..	
	M	12 19 11	17	29	..	
	F	14 33 0	..	..	..	
,, 12th	P	10 27 49	..	..	..	
	S	10 31 49	..	..	..	
	L	10 34 12	..	..	..	
	M	10 36 49	10	8	..	
	F	11 6 0	..	..	..	
,, 12th	P	16 24 54	..	..	..	
	S	16 28 34	..	..	..	
	Le	16 29 59	..	..	..	
	M	16 30 52	10	2	..	
	F	16 47 0	..	..	..	
,, 16th	e	5 32 0	..	..	..	Tremors.
	F	5 38 0	..	..	..	
,, 18th	Pe	1 54 59	..	..	..	Feeble shock.
	F	2 27 0	..	..	..	
,, 18th	P	19 38 13	..	..	..	
	S	19 46 43	..	..	..	
	L	20 0 42	..	..	..	
	M	20 10 54	18	28	..	
	F	22 27 0	..	..	..	
,, 20th	Pe	21 48 17	..	..	..	Feeble shock.
	S	21 56 15	..	..	..	
	Le	22 8 57	..	..	..	
	F	22 44 0	..	..	..	
,, 21st	P	0 14 8	..	..	..	
	S	0 27 48	..	..	..	
	L	1 7 59	..	..	..	
	M	1 16 29	22	10	..	
	F	Lost owing to stoppage of driving clock.				
,, 22nd	e	18 54 0	..	..	..	Tremors.
	F	19 18 0	..	..	..	
,, 23rd	P	6 47 50	..	..	..	Feeble shock.
	F	8 7 0	..	..	..	
,, 24th	P	9 15 3	..	..	..	Feeble shock.
	L	9 32 48	..	..	..	
	F	9 57 0	..	..	..	
,, 24th	P	18 17 16	..	..	..	
	S	18 24 8	..	..	..	
	L	18 33 6	..	..	..	
	M	16 40 11	16	10	..	
	F	19 25 0	..	..	..	

* From Coimbra Seismograph No. 2 (N.-S. component).

TABLE 26—*contd.*

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude. (μ) An.	Amplitude. (μ) Ae.	Remarks.
1927.		h. m. s.				
Aug. 25th	e	17 9 40	..	..	..	Tremors.
	F	17 28 0	..	..	..	
„ 25th	P	23 6 29	..	..	..	
	Se	23 9 44	..	..	..	
	L	23 11 24	..	..	..	
	F	23 34 0	..	..	..	
„ 27th	e	12 48 0	..	..	..	Tremors.
	F	13 11 0	..	..	..	
„ 29th	e	8 19 0	..	.	..	Tremors.
	F	8 35 0	..	..	..	
„ 30th	e	21 22 0	..	..	..	Tremors.
	F	21 34 0	..	..	..	
Sept. 3rd	P	20 6 59	..	..	..	Slight shock.
	S	20 16 24	..	..	..	
	L	20 33 24	..	..	..	
	M	20 53 54	15	6	..	
	F	21 8 0	..	..	..	
„ 5th	Pe	1 1 55	..	..	..	
	M	1 19 42	16	4	..	
	F	2 20 0	.	..	..	
„ 7th	P	20 19 45	..	..	..	Feeble shock.
	S	20 28 15	..	..	..	
	L	20 42 20	..	..	..	
	M	20 46 2	20	3	..	
	F	21 27 0	..	..	..	
„ 9-10th	P	23 30 55	..	..	..	Feeble shock.
	Se	23 37 15	..	..	..	
	L	23 44 55	..	..	..	
	F	0 18 0	..	..	..	
„ 11th	P	16 37 49	..	..	..	Very feeble shock.
	S	16 45 19	..	..	..	
	Le	16 55 59	..	..	..	
	F	17 30 0	..	..	..	
„ 11th	e	20 36 0	..	..	..	Tremors.
	F	20 44 0	..	..	..	
„ 11-12th	P	22 23 34	..	..	..	
	S	22 29 30	..	..	..	
	L	22 35 49	..	..	..	
	M	22 49 17	12	12	..	
	F	0 42 0	..	..	..	
„ 12th	e	3 28 0	..	..	..	Tremors.
	F	4 20 0	..	..	..	
„ 13th	e	10 41 0	..	..	..	Temors.
	F	11 46 0	..	..	..	
„ 16th	Pe	15 56 35	..	..	..	Feeble shock.
	F	16 53 0	..	..	..	
„ 23rd	P	13 59 42	..	..	..	
	S	14 4 2	..	..	..	
	F	15 7 0	..	..	..	

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude. (μ) An.	Amplitude. (μ) Ae.	Remarks.
1927.		h. m. s.				
Sept. 29th	P	6 22 6	..	..	..	
	S	6 23 51	..	..	..	
	L	6 24 31	..	..	..	
	F	6 34 0	..	..	..	
„ 30th	e	7 57 0	..	..	..	Tremors.
	F	8 32 0	..	..	..	
„ 30th	e	18 49 0	..	..	..	Tremors.
	F	19 3 0	..	..	..	
Oct. 7th	P	21 43 57	..	..	..	Feeble shock.
	Se	21 44 57	..	..	..	
	F	22 3 0	..	..	..	
„ 8th	P	10 37 35	..	..	..	
	S	10 40 5	..	..	..	
	L	10 41 10	..	..	..	
	F	11 24 0	..	..	..	
„ 12th	e	6 52 0	..	..	..	Tremors.
	F	7 16 0	..	..	..	
„ 16th	e	7 17 0	..	..	..	Tremors.
	F	7 23 0	..	..	..	
„ 16th	P	12 39 58	..	..	..	Feeble shock.
	Se	12 43 53	..	..	..	
	M	12 52 53	17	3	..	
	F	13 18 0	..	..	..	
„ 19th	e	22 39 0	..	..	..	Tremors.
	F	22 53 0	..	..	..	
„ 24th	P	16 13 40	..	..	..	
	S	16 24 20	..	..	..	
	L	16 46 15	..	..	..	
	M	17 4 17	19	27	..	
	F	19 4 0	..	..	..	
„ 27th	P	7 12 37	..	..	..	Feeble shock.
	S	7 13 27	..	..	..	
	L	7 13 42	..	..	..	
	Fe	7 24 0	..	..	..	
„ 29th	P	1 29 25	..	..	..	Feeble shock.
	Se	1 33 15	..	..	..	
	L	1 35 35	..	..	..	
	F	1 49 0	..	..	..	
Nov. 2nd	P	21 13 45	..	..	..	Slight shock.
	S	21 19 40	..	..	..	
	Le	21 26 30	..	..	..	
	F	22 11 0	..	..	..	
„ 3rd	e	8 24 0	..	..	..	Tremors.
	F	8 28 0	..	..	..	
„ 4th	Pe	14 9 37	..	..	..	
	S	14 21 52	..	..	..	
	L	14 49 57	..	..	..	
	M	15 9 42	15	4	..	
	F	16 41 0	..	..	..	

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude. (μ) An.	Amplitude. (μ) Ae.	Remarks.
1927.		h. m. s.				
Nov. 5th	P	6 46 26	..	..	..	
	Se	6 54 27	..	..	..	
	F	7 22 0	..	..	..	
„ 6th	P	15 44 36	..	..	..	Slight shock.
	S	15 52 34	..	..	..	
	F	16 24 0	..	..	..	
„ 8th	P	3 19 59	..	..	..	
	S	3 27 39	..	..	..	
	L	3 38 59	..	..	..	
	M	3 41 41	16	5	..	
	F	4 53 0	..	..	..	
„ 9th	e	1 27 0	..	..	..	Tremors.
	F	1 44 0	..	..	..	
„ 14th	P	6 22 19	..	..	..	
	S	6 30 32	..	..	..	
	L	6 43 32	..	..	..	
	M	6 50 12	8	11	..	
	F	1 32 0	..	..	..	
„ 14th	P	5 6 47	..	..	..	
	S	5 15 7	..	..	..	
	L	5 28 19	..	..	..	
	M	5 34 34	10	17	..	
	F	6 34 0	..	..	..	
„ 14th	P	7 39 2	..	..	..	
	M	8 38 19	20	6	..	
	F	9 31 0	..	..	..	
„ 14th	Pe	15 28 12	..	..	..	Feeble shock.
	F	16 29 0	..	..	..	
„ 15th	P	8 41 56	..	..	..	Slight shock.
	S	8 52 16	..	..	..	
	Le	9 12 39	..	..	..	
	F	9 39 0	..	..	..	
„ 15th	P	22 7 29	..	..	..	Slight shock.
	M	22 26 49	10	1	..	
	F	22 47 0	..	..	..	
„ 16th	P	21 19 44	..	..	..	
	S	21 26 44	..	..	..	
	Le	21 34 34	..	..	..	
	M	21 35 20	19	23	..	
	F	23 17 0	..	..	..	
„ 18th	P	3 33 56	..	..	..	
	S	3 41 24	..	..	..	
	Le	3 50 44	..	..	..	
	F	[illegible] 0	..	..	..	
„ 18th	P	11 2 54	..	..	..	
	S	11 3 52	..	..	..	
	L	11 4 14	..	..	..	
	F	11 24 0	..	..	..	

TABLE 26—*concld.*

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude. (μ) An. Ae.	Remarks.	Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude. (μ) An. Ae.	Remarks.	Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude. (μ) An. Ae.	Remarks.
1927.		h. m. s.				1927.		h. m. s.				1927.		h. m. s.			
Nov. 21-22nd.	P	23 35 21	..	.. ..		Dec. 1st	M	11 44 52	8	3 ..		Dec. 11th	M	17 59 5	20	4 ..	
	Se	23 46 51	..	.. ..			F	12 2 0	..	.. ..			F	18 26 0	..	.. ..	
	L	0 11 36	..	.. ..		,, 1st	P	4 46 23	..	.. ..		,, 25th	P	6 46 10	..	.. ..	Local shock.
	M	0 36 23	19	7 ..			S	5 53 38	..	.. ..			S	6 46 27	..	.. ..	
	F	2 6 0	..	.. ..			L	5 3 18	..	.. ..			L	6 46 32	..	.. ..	
							M	5 7 48	16	3 ..			F	6 49 0	..	.. ..	
,, 26th	P	13 13 13	..	.. ..			F	6 4 0	..	.. ..							
	S	13 16 38	..	.. ..		,, 1st	P	22 52 43	..	.. ..		,, 28th	P	9 6 27	..	.. ..	
	L	13 18 43	..	.. ..			M	23 0 55	10	1 ..			S	9 16 9	..	.. .	
	F	14 33 0	..	.. ..			F	23 12 0	..	.. ..			L	9 34 44	..	.. ..	
													M	9 36 29	17	5 ..	
,, 28th	P	11 14 40	..	.. ..		,, 5th	e	18 43 0	..	.. ..	Tremors.		F	10 10 0	..	.. ..	
	S	11 18 35	..	.. ..			F	18 59 0	..	.. ..							
	F	11 56 0	..	.. ..		,, 11th	e	4 16 0	..	.. ..	Tremors.	,, 28th	P	18 32 1	..	.. ..	
							F	4 23 0	..	.. ..			S	18 41 31	..	.. ..	
,, 29th	P	11 40 37	..	.. ..		,, 11th	P	17 35 13	..	.. ..	Slight shock.		L	18 59 1	..	.. ..	
	S	11 42 0	..	.. ..			S	17 42 45	..	.. ..			M	19 2 11	20	239 ..	
	L	11 42 32	..	.. ..			L	17 52 5	..	.. ..			F	21 24 0	..	.. ..	

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STATION—CALCUTTA (ALIPORE).

ϕ=22° 32′ N ; λ=88° 20′ E ; h=6·4. *Subsoil*—Alluvial.

Apparatus.—Two Omori-Ewing Horizontal Pendulum Seismographs.

TABLE 27.

	V	To	ϵ	$\frac{r}{To^2}$
AN	30	30	1	
AE	30	32	1	
AZ				

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude. (μ) AN.	Amplitude. (μ) AE.	Remarks.
1927.		h. m. s.				
Jan. 24th	AE P	1 19 9	1	..	..	Slight shock.
	I.	1 29 8	5	..	..	
	AN P	1 19 7	1	..	..	Do.
	L	1 29 9	3	..	..	
„ 30th	AE P	8 58 19	..	..	..	Do.
	S	9 1 31	1	..	..	
	L	9 3 46	2	..	..	
	AN P	8 57 51	..	..	..	Do.
	S	9 0 50	1	..	..	
	L	9 3 4	3	..	..	
Feby. 1st	AE P	18 7 35	2	..	..	Slight distant shock.
	S	18 17 1	4	..	..	
	F	18 50 17	..	..	..	
	AN P	18 7 28	2	..	..	Do.
	S	18 16 48	4	..	..	
	F	18 36 48	..	..	..	
„ 13th	AE P	3 34 46	..	..	..	Slight local shock.
	L	3 36 0	..	..	..	
	F	4 17 0	..	..	..	
	AN P	3 34 49	..	..	..	Do.
	L	3 35 53	..	..	..	
	F	4 9 35	..	..	..	
„ 16th	AE P	1 45 20	3	..	..	Distant moderate shock.
	S	1 53 12	5	..	..	

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude. μ AN.	Amplitude. μ AE.	Remarks.
1927.		h. m. s.				
Mar. 3rd	AE P	1 13 16	3	..	..	Distant moderate shock.
	S	1 19 56	6	..	..	
	L	1 26 16	..	..	..	
	M	1 30 56	..	..	1896	
	AN P	1 13 15	3	..	..	Do.
	S	1 20 1	6	..	..	
	F	2 16 25	..	..	..	
„ 7th	AE P	9 35 41	3	..	..	Distant severe shock.
	S	9 41 45	7	..	..	
	L	9 48 55	14	..	..	
	AN P	9 35 39	4	..	..	
	S	9 41 51	6	..	..	
	L	9 48 56	15	..	..	
	F	10 55 56	..	..	..	
„ 15th	AE P	16 57 43	..	..	..	Local slight shock felt at Calcutta.
	S	16 58 14	..	..	..	
	L	16 58 49	..	..	..	
	F	17 36 4	..	..	..	
	P	21 52 42	2	..	..	Distant slight shock.
	L	21 58 46	6	..	..	
	F	22 30 4	..	..	..	
„ 15th	AN P	16 58 1	..	..	..	Local slight shock felt at Calcutta.
	L	16 58 59	..	..	..	
	F	17 31 4	..	..	..	
	P	21 52 49	1	..	..	Distant slight shock.
	L	21 58 47	6	..	..	
	F	22 25 7	..	..	..	

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude. (μ) AN.	Amplitude. (μ) AE.	Remarks.
1927.		h. m. s.				
Apl. 14th	AN P	6 43 32	2	..	..	Slight shock.
	F	7 20 16	..	..	..	
„ 18th	AE P	15 6 36	2	..	..	Do.
	S	15 10 20	3	..	..	
	L	15 13 36	4	..	..	
	F	15 30 20	..	..	..	
	AN P	15 6 39	2	..	..	Do.
	S	15 10 19	3	..	..	
	L	15 13 26	4	..	..	
„ 30th	AE P	14 4 13	3	..	..	Do.
	L	14 7 15	12	..	..	
	F	14 36 2	..	..	..	
	AN P	14 4 40	4	..	..	Do.
	L	14 7 37	7	..	..	
May 9th	AE P	10 37 43	3	..	..	Distant slight shock.
	S	10 42 44	7	..	..	
	L	10 48 23	9	..	..	
	F	11 11 59	..	..	..	
„ 20th	AE P	10 52 22	..	..	..	Local slight shock.
	S	10 53 22	..	..	..	
	L	10 54 15	..	..	..	
	F	11 19 22	..	..	..	
	AN P	10 52 33	..	..	..	
	S	10 53 25	..	..	..	
	L	10 54 40	..	..	..	
	F	11 19 3	..	..	..	

TABLE 27—*concld.*

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude. (μ) AN.	Amplitude. (μ) AE.	Remarks.
1927.		h. m. s.				
May 22nd	AE P	22 37 0	..	..	..	Distant severe shock.
	AN P	22 37 3	..	..	..	Do.
	S	22 40 33	..	..	..	
	L	22 44 31	..	..	..	
	F	23 58 47	..	..	..	
June 2nd	AE P	6 1 59	1	..	..	Local slight shock.
	S	6 2 31	2	..	..	
	F	6 20 37	..	..	..	
	P	16 39 0	1	..	..	Local moderate shock felt at Calcutta.
	S	16 40 0	2	..	..	
	L	16 40 20	..	..	..	
	M	16 40 38	..	..	997	
	F	17 14 0	..	..	..	
	P	19 30 13	..	..	..	Local slight shock.
	S	19 30 41	1	..	..	
	L	19 31 24	..	..	..	
	F	19 36 0	..	..	..	
	AN P	6 1 59	1	..	..	Do.
	S	6 2 21	2	..	..	
	L	6 2 47	..	..	..	
	P	16 38 59	..	..	..	Local moderate shock felt at Calcutta.
	S	16 39 53	..	..	..	
	L	16 40 25	..	..	..	
	F	17 8 59	..	..	..	
	P	19 30 39	..	..	..	Local slight shock.
	L	19 32 14	..	..	..	
	F	19 35 59	..	..	..	
„ 3rd	AN P	7 20 54	2	..	..	Distant shock of considerable intensity.
	S	7 26 54	4	..	..	
	L	7 33 22	..	..	..	
	M	7 39 24	..	2517	..	
	F	8 8 54	..	..	..	
July 7th	AE P	20 11 40	..	..	..	Slight shock.
	S	20 16 7	..	..	..	
	L	20 19 25	4	..	..	
	F	20 40 50	..	..	..	
	AN P	20 11 49	..	..	..	Do.
	S	20 15 52	..	..	..	
	L	20 18 57	4	..	..	
	F	20 34 39	..			

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude. (μ) AN.	Amplitude. (μ) AE.	Remarks.
1927.		h. m. s.				
July 15th	AE P	3 51 7	..	..	..	Slight shock.
	F	4 7 43	..	..	..	
	AN P	3 51 25	..	..	..	Do.
	S	3 52 37	..	..	..	
	L	3 54 20	2	..	..	
	F	4 11 55	..	..	..	
„ 22nd	AE P	4 2 20	2	..	..	Distant moderate shock.
	S	4 7 14	3	..	..	
	L	4 11 14	5	..	..	
	M	4 13 44	..	..	655	
	F	4 52 14	..	..	..	
	AN P	4 2 39	2	..	..	Do.
	S	4 7 18	..	..	..	
	L	4 11 43	..	..	..	
	M	4 13 53	..	1241	..	
	F	4 32 9	..	..	..	
„ 29th	AN P	0 5 2	..	..	..	Slight shock.
	S	0 6 34	..	..	..	
	L	0 8 16	..	..	..	
Aug. 5th	AN P	21 21 30	..	..	..	Distant slight shock.
	S	21 28 26	5	..	..	
	F	21 49 26	..	..	..	
„ 10th	AN P	11 44 44	2	..	..	Distant slight shock.
	S	11 51 40	5	..	..	
	L	11 59 54	7	..	..	
	F	12 21 54	..	..	..	
„ 18th	AE P	19 37 2	5	..	..	Do.
	S	19 47 12	10	..	..	
	L	19 57 12	..	..	..	
	F	21 18 12	..	..	..	
Sep. 11th	AE P	22 24 44	2	..	..	Do.
	S	22 31 48	5	..	..	
	F	23 55 4	..	..	..	
	AN P	22 24 42	2	..	..	Do.
	S	22 31 52	5	..	..	
„ 23rd	AE P	13 59 6	2	..	..	Slight shock.
	S	14 2 48	4	..	..	
	L	14 7 6	..	..	..	
	F	14 46 20	..	..	..	

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude. (μ) AN.	Amplitude. (μ) AE.	Remarks.
1927.		h. m. s.				
Sep. 23rd	AN P	13 59 2	..	..	..	Slight shock.
	S	14 2 42	4	..	..	
	L	14 7 24	..	..	..	
„ 29th	AE P	6 17 0	..	..	..	Do.
	L	6 18 0	..	..	..	
	F	6 38 0	..	..	..	
	AN P	6 16 40	..	..	..	Do.
	L	6 17 58	..	..	..	
Oct. 8th	AE P	10 37 24	..	..	..	Do.
	S	10 38 22	..	..	..	
	L	10 39 19	..	..	..	
	F	11 6 47	..	..	..	
	AN P	10 37 18	..	..	..	Do.
	S	10 38 21	..	..	..	
	L	10 39 29	..	..	..	
	F	11 0 34	..	..	..	
„ 27th	AN P	7 4 28	..	..	..	Do.
	L	7 5 39	..	..	..	
	F	7 26 44	..	..	..	
Nov. 14th	AN P	5 6 12	..	..	..	Distant slight shock.
	S	5 12 59	..	..	..	
	F	5 59 5	..	..	..	
„ 16th	AN P	21 17 35	3	..	..	Do.
	S	21 23 37	5	..	..	
„ 18th	AN P	11 8 10	..	..	..	Slight shock.
	S	11 10 12	2	..	..	
	F	11 30 12	..	..	..	
„ 20th	AN P	4 47 35	..	..	..	Very slight shock.
	L	4 49 29	..	..	..	
	F	4 58 57	..	..	..	
Dec. 25th	AN P	6 41 11	..	..	..	Slight shock.
	L	6 41 35	..	..	..	
	F	6 57 32	..	..	..	
„ 28th	AN P	18 30 53	3	..	..	Distant moderate shock.
	L	18 54 9	9	..	..	
	F	19 27 53	..	..	..	

AN—29-v. Redetermined in November 1927.
AE—29-v Redetermined in November 1927.

V. V. SOHONI,
Meteorologist, Calcutta.

STATION—SIMLA.

φ=31° 6′ N ; λ=77° 11′ E ; h =2·1 km. *Subsoil*—Rock.

Apparatus—Two Omori-Ewing Horizontal Pendulum Seismographs (Masses 50 kg.).

TABLE 28.

	V	To	ϵ	$\frac{r}{To^2}$
AN	20	30	1	
AE	14·8	30	1	

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude. (μ) AN.	Amplitude. (μ) AE.	Remarks.
1927.		h. m. s.				
Jan. 17th	AE e	22 15 0	..	..	..	
	F	22 42 18	..	..	..	Tremors.
„ 17th	AN e	22 18 18	..	..	..	
	F	22 47 48	..	..	..	Do.
„ 18th	AE P	14 52 18	..	..	..	
	F	14 52 48	..	..	..	Slight local shock.
„ 18th	AN P	14 52 18	..	..	..	
	F	14 53 12	..	..	..	Do.
„ 20th	AE e	8 52 6	..	..	..	
	F	8 57 30	..	..	..	Very feeble shock.
„ 20th	AN Pe	8 51 48	..	..	..	
	Se	8 52 42	..	..	..	
„ 20th	AN F	8 59 42	..	..	..	Do.
„ 24th	AN P	0 59 18	..	..	..	
	F	1 2 6	..	..	..	Feeble shock
„ 24th	AE e	1 30 6	..	..	..	
	M	2 11 18	..	..	..	
	F	2 45 48	..	..	..	Slight distant shock.
„ 24th	AN eP	1 30 6	..	..	..	
	M	2 17 36	..	..	..	
	F	3 34 24	..	..	..	Do.
„ 30th	AE P	8 55 42	..	..	..	
	S	8 57 0	..	..	..	
	F	9 8 48	..	..	..	Slight shock.
„ 30th	AN P	8 55 42	..	..	..	
	S	8 56 42	..	..	..	
	F	9 16 0	..	..	..	Do.

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude. (μ) AN.	Amplitude. (μ) AE.	Remarks.
1927.		h. m. s.				
Feb. 1st	AE P	18 8 36	..	..	..	
	F	19 22 30	..	..	..	Very feeble shock.
„ 1st	AN P	18 19 12	..	..	..	
	F	19 0 0	..	..	..	Do.
„ 3rd	AE Pe	4 6 18	..	..	..	
	Se	4 11 24	..	..	..	
	L	4 13 42	20	..	..	
	M	4 14 48	..	..	88	
	F	Lost in changing the drum.				
„ 3rd	AN Pe	4 8 54	..	..	..	
	L	4 13 12	20	..	..	
	M	4 14 6	..	100	..	
	F	Lost in changing the drum.				
„ 3rd	AE Pe	5 6 24	..	..	..	
	L	5 13 30	..	..	..	
	F	5 31 12	..	..	..	Slight shock.
„ 3rd	AN Pe	5 6 42	..	..	..	
	L	5 12 36	..	..	..	
	M	5 13 42	..	..	..	
	F	5 36 18	..	..	..	Do.
„ 4th	AE Pe	3 13 30	..	..	..	
	F	3 30 30	..	..	..	Feeble shock.
„ 4th	AN P	3 14 6	..	..	..	
	F	3 31 12	..	..	..	Do.
„ 6th	AE Pe	0 39 18	..	..	..	
	F	0 50 48	..	..	..	Very feeble shock.
„ 13th	AE Pe	3 41 0	..	..	..	
	F	3 50 42	..	..	..	Feeble shock.

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude. (μ) AN.	Amplitude. (μ) AE.	Remarks.
1927.		h. m. s.				
Feb. 13th	AN P	3 39 42	..	..	..	
	F	3 57 36	..	..	..	Feeble shock.
„ 16th	AE P	1 45 18	..	..	..	
	S	1 53 36	..	..	..	
	L	2 7 24	15	..	..	
	M	2 14 24	..	..	182	
	F	4 24 48	..	..	..	
„ 16th	AN P	1 45 18	..	..	..	
	S	1 53 42	..	..	..	
	L	2 8 6	17	..	..	
	M	2 15 6	..	218	..	
	F	4 51 0	..	..	..	
„ 16th	AE e	12 25 42	..	..	..	
	F	12 39 6	..	..	..	Tremors.
„ 16th	AN e	12 24 48	..	..	..	
	F	12 48 0	..	..	..	Do.
„ 21st	AE e	12 41 42	..	..	..	
	F	13 3 48	..	..	..	Do.
„ 21st	AN e	12 38 18	..	..	..	
	F	12 54 42	..	..	..	Do.
„ 28th	AE e	12 23 48	..	..	..	Very feeble shock.
„ 28th	AN e	12 23 42	..	..	..	
	F	12 24 12	..	..	..	Do.
„ 28th	AE e	15 22 36	..	..	..	
	F	16 1 54	..	..	..	Tremors.
„ 28th	AN e	15 31 6	..	..	..	
	F	15 45 54	..	..	..	Do.

TABLE 28—*contd.*

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude. (μ) An.	Amplitude. (μ) Ae.	Remarks.
1927.		h. m. s.				
Mar. 3rd	AE P	1 14 54	..	..	..	
	S	1 22 42	..	..	..	
	L	1 31 42	32	..	..	
	M	1 37 30	..	..	1128	
	F	2 56 6	..	..	..	
,, 3rd	AN P	1 15 0	..	..	..	
	S	1 22 48	..	..	..	
	L	1 32 12	32	..	..	
,, 3rd	AN M	1 36 42	..	380	..	
	F	3 5 6	..	..	..	
,, 3rd	AE Pe	17 8 24	..	..	..	
	F	17 46 42	..	..	..	Very feeble shock.
,, 3rd	AN Pe	17 8 24	..	..	..	
	F	17 38 42	..	..	..	Do.
,, 7th	AE P	9 36 24	..	..	..	
	S	9 43 24	..	..	..	
	L	9 53 36	30	..	..	
	M	9 58 42	..	..	1932	
	F	11 42 18	..	..	..	
,, 7th	AN P	9 36 24	..	..	..	
	S	9 43 24	..	..	..	
	L	9 53 0	30	..	..	
	M	9 55 36	..	1700	..	
	F	11 39 12	..	..	..	Weight touching stops.
,, 14th	AE P	17 47 12	..	..	..	
	L	17 51 18	..	..	..	
	F	18 3 6	..	..	..	Slight shock.
,, 14th	AN P	17 47 0	..	..	..	
	Se	17 48 0	..	..	..	
	L	17 51 6	..	..	..	
	F	18 7 6	..	..	..	Do.
,, 15th	AE P	17 0 30	..	..	..	
	L	17 3 30	..	..	..	
	F	17 20 30	..	..	..	Do.
,, 15th	AN P	17 0 30	..	..	..	
	L	17 3 30	..	..	..	
,, 15th	AN F	17 24 48	..	..	..	Do.

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude. (μ) An.	Amplitude. (μ) Ae.	Remarks.
1927.		h. m. s.				
Mar. 15th	AE P	21 52 54	..	..	..	
	S	21 56 24	..	..	..	
	L	21 59 24	..	..	..	
	F	22 18 0	..	..	..	Slight shock.
,, 15th	AN P	21 52 54	..	..	..	
	S	21 56 24	..	..	..	
	L	21 59 12	..	..	..	
	M	22 0 18	..	..	..	
	F	22 16 0	..	..	..	Do.
,, 20th	AE e	18 36 0	..	..	..	
	F	18 36 36	..	..	..	Tremors.
,, 21st	AE Pe	15 25 24	..	..	..	
	L	15 36 54	..	..	..	
	F	16 7 36	..	..	..	Slight shock.
,, 21st	AN P	15 25 24	..	..	..	
	Se	15 29 48	..	..	..	
	L	15 39 0	..	..	..	
	F	16 7 12	..	..	..	Do.
,, 25th	AN e	13 17 30	..	..	..	
	F	13 19 0	..	..	..	Tremors.
,, 27th	AE e	12 12 42	..	..	..	
	F	12 13 36	..	..	..	Feeble tremors.
Apl. 1st	AE Pe	19 31 12	..	..	..	
	F	20 3 6	..	..	..	Feeble shock.
,, 1st	AN P	19 32 6	..	..	..	
	S	19 40 18	..	..	..	
	F	20 0 36	..	..	..	Do.
,, 12th	AE Pe	14 5 36	..	..	..	
	F	14 23 6	..	..	..	Tremors.
,, 12th	AE P	16 52 54	..	..	..	
	F	16 54 30	..	..	..	Do.
,, 12th	AE P	17 14 36	..	..	..	
	F	17 29 6	..	..	..	Do.
,, 13th	AE P	13 52 6	..	..	..	
	Se	14 1 36	..	..	..	
	Le	14 10 36	..	..	..	
	F	14 29 6	..	..	..	Feeble shock.

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude. (μ) An.	Amplitude. (μ) Ae.	Remarks.
1927.		h. m. s.				
Apl. 13th	AN P	13 52 6	..	..	..	
	Se	13 58 12	..	..	..	
	Le	14 7 6	..	..	..	
	F	14 21 54	..	..	..	Feeble shock
,, 14th	AE P	6 43 42	..	..	..	
	S	7 2 0	..	..	..	
	F	8 22 48	..	..	..	Slight shock.
,, 14th	AN P	6 43 42	..	..	..	
	S	7 2 18	..	..	..	
	F	8 22 54	..	..	..	Do.
,, 15th	AE Pe	14 46 6	..	..	..	
	F	14 47 6	..	..	..	Tremors.
,, 16th	AE P	8 36 12	..	..	..	
	Le	8 52 12	24	..	..	
	M	8 59 12	..	..	84	Slight shock.
,, 16th	AN P	8 36 18	..	..	..	
	F	9 15 48	..	..	..	Do.
,, 16th	AE Pe	9 31 12	..	..	..	
	Le	9 41 0	..	..	..	
	F	10 10 30	..	..	..	Feeble shock.
,, 16th	AN P	9 31 12	..	..	..	
	Se	9 35 18	..	..	..	
	F	10 11 48	..	..	..	Do.
,, 18th	AE P	15 4 48	..	..	..	
	L	15 6 6	..	..	..	
	F	15 13 48	..	..	..	Slight shock.
,, 18th	AN P	15 4 48	..	..	..	
	L	15 6 6	..	..	..	
	F	15 20 0	..	..	..	Do.
,, 19th	AE P	17 38 0	..	..	..	
	S	17 44 0	..	..	..	
	F	18 11 42	..	..	..	Do.
,, 19th	AN P	17 38 0	..	..	..	
	S	17 44 0	..	..	..	
	L	17 52 42	18	..	..	
	M	17 53 18	..	63	..	
	F	18 18 30	..	..	..	

TABLE 28—*contd.*

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude. (μ) An. Ae.	Remarks.
1927.		h. m. s.			
Apl. 24th	AE P	11 23 12	..	.. ..	
	F	11 26 12	..	.. ..	Feeble shock.
,, 24th	AN P	11 23 12	..	.. ..	
	F	11 29 36	..	.. ..	Do.
,, 27th	AE	Driving clock sent for repairs.			
,, 27th	AN e	19 49 42	..	.. ..	Tremors.
,, 28th	AE	Driving clock sent for repairs.			
,, 28th	AN Pe	0 52 0	..	.. ..	
	F	0 57 48	..	.. ..	Feeble shock.
,, 30th	AE P	13 59 42	..	.. ..	
	Le	14 2 6	..	.. ..	
	F	14 15 36	..	.. ..	Slight shock.
,, 30th	AN P	13 58 42	..	.. ..	
	L	14 1 6	..	.. ..	
	F	14 28 24	..	.. ..	Do.
May 2nd	AE e	22 9 30	..	.. ..	
	F	22 11 54	..	.. ..	Tremors.
,, 2nd	AN e	22 8 48	..	.. ..	
	F	22 15 48	..	.. ..	Do.
,, 9th	AE P	10 36 6	..	.. ..	
	Se	10 39 42	..	.. ..	
	Le	10 43 30	16	.. ..	
	M	10 44 6	..	.. 68	
	F	11 0 6	..	.. ..	
,, 9th	AN P	10 36 6	..	.. ..	
	L	10 42 18	18	.. ..	
	M	10 43 36	..	100 ..	
	F	11 18 24	..	.. ..	
,, 10th	AN e	6 27 48	..	.. ..	
	F	6 37 6	..	.. ..	Do.
,, 13th	AN P	15 27 30	..	.. ..	
	F	15 38 6	..	.. ..	Do.
,, 16th	AE e	12 36 48	..	.. ..	
	F	12 43 12	..	.. ..	Do.
1927.		h. m. s.			
May 17th	AE e	6 23 30	..	.. ..	
	F	6 33 36	..	.. ..	Tremors.
,, 18th	AE P	2 24 0	..	.. ..	
	F	2 25 0	..	.. ..	Slight local shock.
,, 18th	AN P	2 23 42	..	.. ..	
	F	2 25 0	..	.. ..	Do
,, 21st	AE P	8 7 48	..	.. ..	
	L	8 9 54	..	.. ..	
	F	8 16 54	..	.. ..	Slight shock.
,, 21st	AN P	8 7 54	..	.. ..	
	Le	8 10 0	..	.. ..	
	F	8 21 24	..	.. ..	Do.
,, 22nd	AE P	22 37 42	..	.. ..	
	S	22 41 36	30	.. 2264	
,, 23rd	F	2 7 54	..	.. ..	The weight was touching the stops.
,, 22nd	AN P	22 37 48	..	.. ..	
	S	22 41 54	30	.. 1750	
,, 23rd	F	2 1 18	..	.. ..	Do.
,, 23rd	AE Pe	2 55 6	..	.. ..	
	F	3 11 48	..	.. ..	Slight shock.
,, 23rd	AN Pe	2 55 18	..	.. ..	
	Le	2 58 42	..	.. ..	
	F	3 19 12	..	.. ..	Do.
,, 23rd	AN P	12 57 30	..	.. ..	
	F	12 59 6	..	.. ..	Tremors.
,, 23rd	AE e	14 0 24	..	.. ..	
	F	14 8 0	..	.. ..	Do.
,, 23rd	AN P	14 3 42	..	.. ..	
	F	14 14 30	..	.. ..	Do.
,, 23rd	AE e	15 23 18	..	.. ..	Do.
,, 23rd	AE e	22 44 48	..	.. ..	Do.
,, 23rd	AN e	22 46 24	..	.. ..	
	F	22 54 0	..	.. ..	Do.
,, 23rd	AE e	23 57 6	..	.. ..	
,, 24th	F	0 12 30	..	.. ..	Do.
1927.		h. m. s.			
May 23rd	AN e	23 57 12	..	.. ..	
,, 24th	F	0 15 48	..	.. ..	Tremors
,, 29th	AE e	15 54 42	..	.. ..	Do.
,, 30th	AE P	9 11 42	..	.. ..	
	F	9 12 42	..	.. ..	Feeble local shock.
,, 30th	AN P	9 11 42	..	.. ..	
	F	9 13 12	..	.. ..	Do.
June 2nd	AE P	16 39 42	..	.. ..	
	S	16 41 18	..	.. ..	
	Le	16 43 30	..	.. ..	
	F	17 9 18	..	.. ..	Moderate shock.
,, 2nd	AN P	16 39 42	..	.. ..	
	S	16 41 18	..	.. ..	
	F	17 17 6	..	.. ..	Do.
,, 3rd	AE P	7 22 36	..	.. ..	
	S	7 31 0	..	.. ..	
	Le	7 42 0	30	.. ..	
	M	7 46 24	..	.. 1774	
	F	10 27 12	..	.. ..	Weight touching one stop.
,, 3rd	AN P	7 22 36	..	.. ..	
	S	7 31 6	..	.. ..	
	L	7 45 6	30	.. ..	
	M	7 48 6	..	1387 ..	
	F	9 14 48	..	.. ..	Do.
,, 14th	AE e	18 7 30	..	.. ..	
	F	18 28 36	..	.. ..	Tremors.
,, 14th	AN e	18 6 30	..	.. ..	
	F	18 12 24	..	.. ..	Do.
,, 23rd	AE e	23 54 24	..	.. ..	
	F	23 57 18	..	.. ..	Do.
,, 23rd	AN e	23 51 36	..	.. ..	
,, 24th	F	0 5 24	..	.. ..	Do.
,, 26th	AE e	11 36 36	..	.. ..	
	F	11 59 18	..	.. ..	Do.
,, 26th	AN e	11 36 24	..	.. ..	
	F	11 57 18	..	.. ..	Do.

TABLE 28—*contd.*

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude. (μ) AN. AE.	Remarks.
1927.		h. m. s.			
June 29th	AE Pe	22 3 24	..	.. ..	
	F	22 8 6	..	.. ..	Feeble shock.
„ 29th	AN P	22 2 24	..	.. ..	
	F	22 8 6	..	.. ..	Do.
July 1st	AE Pe	8 27 36	..	.. ..	
	F	9 11 0	..	.. ..	Do.
„ 1st	AN Pe	8 27 12	..	.. ..	
	Se	8 33 48	..	.. ..	
	F	9 11 42	..	.. ..	Do.
„ 1st	AE Pe	12 23 12	..	.. ..	
	F	12 24 36	..	.. ..	Do.
„ 1st	AN Pe	12 22 48	..	.. ..	
	F	12 25 36	..	.. ..	Do.
„ 1st	AE Pe	16 27 6	..	.. ..	
	F	16 29 0	..	.. ..	Do.
„ 7th	AE P	20 9 48	..	.. ..	
	S	20 12 12	..	.. ..	
	Le	20 15 12	..	.. ..	
	F	20 30 30	..	.. ..	Slight shock.
„ 7th	AN P	20 9 54	..	.. ..	
	S	20 12 6	..	.. ..	
	F	20 43 12	..	.. ..	Do.
„ 11th	AE Pe	13 15 54	..	.. ..	
	L	13 24 42	..	.. ..	
	F	13 48 6	..	.. ..	Do.
„ 11th	AN Pe	13 16 42	..	.. ..	
	L	13 24 54	..	.. ..	
	F	13 55 18	..	.. ..	Do.
„ 12th	AE e	21 17 42	..	.. ..	
	F	21 45 18	..	.. ..	Feeble shock.
„ 12th	AN Pe	21 17 24	..	.. ..	
	F	21 51 18	..	.. ..	Do.
„ 15th	AE P	3 48 30	..	.. ..	
	L	3 49 48	..	.. ..	
	F	3 57 12	..	.. ..	Slight shock.

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude. (μ) AN. AE.	Remarks.
1927.		h. m. s.			
July 15th	AN P	3 48 30	..	.. ..	
	L	3 49 42	..	.. ..	
	F	4 4 42	..	.. ..	Slight shock.
„ 17th	AE P	22 38 54	..	.. ..	
	F	22 40 24	..	.. ..	Slight local shock.
„ 17th	AN P	22 39 12	..	.. ..	
	F	22 41 30	..	.. ..	Do.
„ 22nd	AE P	3 59 42	..	.. ..	
	S	4 3 24	..	.. ..	
	Le	4 7 30	18	.. ..	
	M	4 8 18	..	.. 318	
	F	5 21 18	..	.. ..	
„ 22nd	AN P	3 59 30	..	.. ..	
	S	4 3 18	..	.. ..	
	Le	4 6 12	20	.. ..	
	M	4 7 12	..	1030 ..	
	F	5 51 30	..	.. ..	
„ 22nd	AE e	8 46 6	..	.. ..	
	F	9 2 54	..	.. ..	Feeble Shock.
„ 22nd	AN Pe	8 45 48	..	.. ..	
	F	9 5 30	..	.. ..	Do.
„ 22nd	AN e	20 44 54	..	.. ..	
	F	20 55 12	..	.. ..	Feeble tremors.
„ 23rd	AE Pe	20 22 30	..	.. ..	
	Se	20 26 18	..	.. ..	
	F	20 52 18	..	.. ..	Slight shock.
„ 23rd	AN	No time marks.	23	275 ..	Do.
July 23rd	AE P	22 45 12	..	.. ..	
	Se	22 49 18	..	.. ..	
	F	23 10 54	..	.. ..	Do.
„ 23rd	AN	No time marks.	20	175 ..	Do.
„ 24th	AE e	12 5 6	..	.. ..	
	F	12 13 54	..	.. ..	Tremors.
„ 24th	AN	No time Marks.	..	.. ..	Do.

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude. (μ) AN. AE.	Remarks.
1927.		h. m. s.			
July 28th	AE e	16 58 36	..	.. ..	
	F	17 29 36	..	.. ..	Tremors.
„ 28th	AN e	17 1 42	..	.. ..	
	F	17 25 12	..	.. ..	Do.
„ 29th	AE Pe	0 7 36	..	.. ..	
	S	0 11 24	..	.. ..	
	M	0 14 0	27	.. 209	
	F	0 40 0	..	.. ..	
„ 29th	AN P	0 7 42	..	.. ..	
	S	0 11 12	..	.. ..	
	M	0 15 0	18	108 ..	
	F	0 44 30	..	.. ..	
Aug. 1st	AE e	17 43 0	..	.. ..	
	F	18 2 30	..	.. ..	Do.
„ 1st	AN e	17 45 18	..	.. ..	
	F	18 19 48	..	.. ..	Do.
„ 1st	AE e	19 18 12	..	.. ..	
	F	19 55 0	..	.. ..	Do.
„ 1st	AN e	19 28 6	..	.. ..	
	F	19 53 48	..	.. ..	Do.
„ 5th	AE P	21 22 18	..	.. ..	
	S	21 29 42	..	.. ..	
	M	21 45 30	28	.. 216	
	F	22 42 18	..	.. ..	
„ 5th	AN P	21 22 12	..	.. ..	
	S	21 29 36	..	.. ..	
	L	21 43 12	24	.. ..	
	M	21 45 12	..	270 ..	
	F	22 39 30	..	.. ..	
„ 6th	AE e	0 57 42	..	.. ..	
	F	1 17 42	..	.. ..	Do.
„ 6th	AN e	0 58 6	..	.. ..	
	F	1 21 6	..	.. ..	Do.
„ 7th	AE P	14 11 42	..	.. ..	
	F	14 12 30	..	.. ..	Very feeble local shock.
„ 7th	AN P	14 11 18	..	.. ..	
	F	14 14 18	..	.. ..	Do.

TABLE 28—*contd.*

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude. (μ) An. Ae.	Remarks.
1927.		h. m. s.			
Aug. 8th	AN e	18 59 0	..	.. ..	
	F	19 5 54	..	.. ..	Tremors.
,, 10th	AE e	2 31 54	..	.. ..	
	F	3 23 0	..	.. ..	Do.
,, 10th	AN e	2 41 36	..	.. ..	
	F	3 25 12	..	.. ..	Do.
,, 10th	AE P	11 46 24	..	.. ..	
	S	11 54 42	..	.. ..	
	F	13 18 42	..	.. ..	Slight shock.
,, 10th	AN P	11 46 12	..	.. ..	
	S	11 54 42	..	.. ..	
	F	13 40 48	..	.. ..	Do.
,, 12th	AE P	10 27 24	..	.. ..	
	F	10 53 48	..	.. ..	Do.
,, 12th	AN P	10 25 36	..	.. ..	
	Se	10 27 6	..	.. ..	
	F	10 51 24	..	.. ..	Do.
,, 18th	AE Pe	19 37 6	..	.. ..	
	S	19 44 42	..	.. ..	
	Le	19 57 48	18	.. ..	
	M	20 6 18	..	.. 108	
	F	21 1 12	..	.. ..	
,, 18th	AN Pe	19 37 18	..	.. ..	
	S	19 44 48	..	.. ..	
	Le	19 57 18	20	.. ..	
	M	20 4 0	..	75 ..	
	F	21 28 18	..	.. ..	
,, 21st	AE Pe	0 17 30	..	.. ..	
	F	2 6 0	..	.. ..	Feeble shock.
,, 21st	AN Pe	0 15 18	..	.. ..	
	F	2 15 30	..	.. ..	Do.
,, 23rd	AE e	6 37 24	..	.. ..	
	F	7 24 0	..	.. ..	Tremors.
,, 23rd	AN e	6 45 48	..	.. ..	
	F	7 42 42	..	.. ..	Do.

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude. (μ) An. Ae.	Remarks.
1927.		h. m. s.			
Aug. 24th	AE Pe	18 16 30	..	.. ..	
	Se	18 22 30	..	.. ..	
	M	18 33 12	20	.. 68	
	F	18 57 6	..	.. ..	
,, 24th	AN Pe	18 16 24	..	.. ..	
	Se	18 22 24	..	.. ..	
	L	18 30 30	20	.. ..	
	M	18 31 0	..	85 ..	
	F	18 50 6	..	.. ..	
,, 31st	AE	Driving clock was stopped.			
,, 31st	AN P	18 13 30	..	.. ..	
	F	18 16 6	..	.. ..	Feeble local shock.
Sep. 3rd	AE Pe	20 42 0	..	.. ..	
	F	21 21 36	..	.. ..	Feeble shock.
,, 3rd	AN Pe	20 43 54	..	.. ..	
	F	21 17 30	..	.. ..	Do.
,, 5th	AE Pe	20 13 30	..	.. ..	
	F	20 20 54	..	.. ..	Very feeble shock.
,, 5th	AN Pe	20 13 30	..	.. ..	
	F	20 23 36	..	.. ..	Do.
,, 11th	AE P	22 22 48	..	.. ..	
	S	22 28 24	..	.. ..	
	L	22 35 36	25	.. ..	
	M	22 41 12	..	.. 670	
	F	23 53 0	..	.. ..	
,, 11th	AN P	22 22 30	..	.. ..	
	S	22 28 30	..	.. ..	
	L	22 37 18	25	.. ..	
	M	22 39 54	..	440 ..	
	F	23 46 18	..	.. ..	
,, 12th	AE Pe	3 35 36	..	.. ..	
	F	4 32 6	..	.. ..	Feeble shock.
,, 12th	AN Pe	3 36 18	..	.. ..	
	Se	3 46 0	..	.. ..	
	F	4 6 48	..	.. ..	Do.
,, 12th	AE e	14 47 12	..	.. ..	
	F	15 3 12	..	.. ..	Tremors.

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude. (μ) An. Ae.	Remarks.
1927.		h. m. s.			
Sep. 23rd	AE P	13 57 24	..	.. ..	
	S	13 59 36	..	.. ..	
	M	14 2 0	Uncertain	.. 216	
	F	14 44 12	..	.. ..	
,, 23rd	AN P	13 57 24	..	.. ..	
	S	13 59 36	..	.. ..	
	M	14 3 0	20	400 ..	
	F	14 42 24	..	.. ..	
,, 24th	AN Pe	11 52 6	..	.. ..	
	Se	11 53 30	..	.. ..	
	F	12 1 42	..	.. ..	Feeble shock.
,, 30th	AE Pe	18 42 24	..	.. ..	
	F	18 52 24	..	.. ..	Do.
,, 30th	AN Pe	18 42 24	..	.. ..	
	F	18 55 18	..	.. ..	Do.
Oct. 2nd	AN e	3 11 24	..	.. ..	
	F	3 16 42	..	.. ..	Tremors.
,, 7th	AE Pe	21 37 18	..	.. ..	
	S	21 39 6	..	.. ..	
	F	21 51 12	..	.. ..	Slight shock.
,, 7th	AN Pe	21 38 12	..	.. ..	
	S	21 39 18	..	.. ..	
	F	21 54 48	..	.. ..	Do.
,, 8th	AE Pe	10 35 24	..	.. ..	
	L	10 36 18	..	.. ..	
	F	10 53 54	..	.. ..	Do.
,, 8th	AN Pe	10 35 36	..	.. ..	
	L	10 36 18	Uncertain	.. ..	
	M	10 36 42	..	145 ..	
	F	11 0 48	..	.. ..	
,, 16th	AE e	12 52 54	..	.. ..	
	F	13 17 0	..	.. ..	Tremors.
,, 16th	AN e	12 46 36	..	.. ..	
	F	13 24 0	..	.. ..	Do.
,, 24th	AE P	16 12 36	..	.. ..	
	S	16 23 6	..	.. ..	
	L	16 40 54	33	.. ..	
	M	16 46 24	..	.. 543	
	F	20 0 48	..	.. ..	

TABLE 28—*concld.*

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude. (μ) AN.	Amplitude. (μ) AE.	Remarks.
1927.		h. m. s.				
Oct. 24th	AN P	16 12 36	..	..	..	
	S	16 23 0	..	..	..	
	L	16 49 0	22	..	..	
	M	16 54 12	..	250	..	
	F	20 4 48	..	..	..	
,, 26th	AE Pe	9 41 0	..	..	..	
	F	9 42 42	..	..	..	Slight local shock.
,, 26th	AN Pe	9 41 6	..	..	..	
	F	9 42 54	..	..	..	Do.
,, 29th	AE e	1 28 6	..	..	..	
	F	1 36 36	..	..	..	Tremors.
,, 29th	AN e	1 28 24	..	..	..	
	F	1 37 36	..	..	..	Do.
Nov. 2nd	AE e	21 24 24	..	..	..	
	F	21 54 48	..	..	..	Do.
,, 4th	AE Pe	14 20 12	..	..	..	
	F	16 36 12	..	..	..	Slight distant shock.
,, 4th	AN Pe	14 17 36	..	..	..	
	F	15 43 6	..	..	..	Do.
,, 6th	AE e	15 52 54	..	..	..	
	F	16 1 12	..	..	..	Tremors.
,, 6th	AN e	15 53 0	..	..	..	
	F	15 57 30	..	..	..	Do.
,, 8th	AE e	3 30 12	..	..	..	
	F	4 22 36	..	..	..	Do.
,, 8th	AN e	3 25 24	..	..	..	
	F	4 27 12	..	..	..	Do.
,, 12th	AE e	14 55 54	..	..	..	
	F	15 17 0	..	..	..	Do.
,, 12th	AN e	14 55 30	..	..	..	
	F	15 22 30	..	..	..	Do.
,, 14th	AE Se	0 27 36	..	..	..	
	L	0 37 36	22	..	..	
	M	0 39 48	..	..	169	
	F	1 32 30	..	..	..	
1927.		h. m. s.				
Nov. 14th	AN P	0 20 48	..	..	..	
	S	0 27 42	..	..	..	
	L	0 39 30	20	..	..	
	M	0 43 6	..	175	..	
	F	1 37 48	..	..	..	
,, 14th	AE Se	5 12 12	..	..	..	
	L	5 22 18	22	..	..	
	M	5 24 0	..	..	338	
	F	6 24 42	..	..	..	
,, 14th	AN Pe	5 7 12	..	..	..	
	S	5 12 6	..	..	..	
	L	5 23 42	20	..	..	
	M	5 27 30	..	175	..	
	F	6 15 30	..	..	..	
,, 14th	AE e	7 50 18?	..	..	..	
	F	9 39 42	..	..	..	Tremors.
,, 14th	AN e	8 31 30	..	..	..	
	F	9 11 24	..	..	..	Do.
,, 15th	AN e	8 40 54	..	..	..	
	F	8 55 24	..	..	..	Do.
,, 15th	AE e	22 12 42	..	..	..	
	F	22 24 30	..	..	..	Do.
,, 15th	AN e	22 4 30	..	..	..	
	F	22 27 54	..	..	..	Do.
,, 16th	AE Pe	21 19 18	..	..	..	
	S	21 26 42	..	..	..	
	F	22 48 54	..	..	..	Slight shock.
,, 16th	AN P	21 19 36	..	..	..	
	S	21 26 42	..	..	..	
	F	22 30 24	..	..	..	Do.
,, 18th	AE e	3 40 48	..	..	..	
	F	4 8 36	..	..	..	Tremors.
,, 18th	AN e	3 40 48	..	..	..	
	F	4 15 0	..	..	..	Do.
,, 18th	AE e	11 5 36	..	..	..	
	F	11 11 18	..	..	..	Feeble shock.
1927.		h.m.s.				
Nov. 18th	AN e	11 5 36	..	..	..	
	F	11 15 36	..	..	..	Feeble shock.
,, 21st	AE Pe	23 54 36	..	..	..	
,, 22nd	F	1 30 6	..	..	..	Slight shock.
,, 22nd	AN Pe	0 16 18	..	..	..	
	F	1 34 42	..	..	..	Do.
,, 29th	AE P	11 35 54	..	..	..	
	F	11 39 54	..	..	..	Do.
,, 29th	AN P	11 35 54	..	..	..	
	L	11 36 54	..	..	..	
	F	11 43 0	..	..	..	Do.
Dec. 1st	AE P	Lost in changing the drum.				
	F	5 47 0	..	..	..	Do.
,, 1st	AN P	4 54 0	..	..	..	
	F	5 46 12	..	..	..	Do.
,, 1st	AE e	22 52 42	..	..	..	
	F	22 56 24	..	..	..	Tremors.
,, 1st	AN e	22 52 0	..	..	..	
	F	23 1 30	..	..	..	Do.
,, 11th	AE e	17 42 54	..	..	..	
	F	18 18 54	..	..	..	Do.
,, 28th	AN e	9 31 6	..	..	..	
	F	9 49 54	..	..	..	Do.
,, 28th	AE P	18 30 54	..	..	..	
	S	18 39 6	..	..	..	
	L	18 51 54	30	..	..	
	M	18 57 12	..	..	851	
	F	20 34 12	..	..	..	
,, 28th	AN P	18 30 54	..	..	..	
	S	18 39 12	..	..	..	
	L	18 51 42	28	..	..	
	M	18 58 42	..	860	..	
	F	20 24 6	..	..	..	

The following table contains a list of earthquakes that were reported by voluntary observers from various stations :—

TABLE 29.

Place at which felt.	Date.	G. M. T. of earthquake.		Duration.	Intensity Rossi-Forel scale.	No. of shocks.	REMARKS.
	1927	h.	m.	Sec.			
Meshed (Persia)	Jan. 19	1	48	about 3	5	1	
D. I. Khan	,, 24	0	52	5—8	..	1	
Yatung (Tibet)	,, 31	12	21	about 2	4	2	
D. I. Khan	Feb. 6	5	39	..	..	1	
Gauhati	,, 15	17	35	about 10	5	1	
Maymyo	,, 22	21	5	9	5	3	
Badarpurghat (District Sylhet, Assam).	Mar. 15	16	53	about 3—4	..	1	
Shillong (Assam)	,, 15	16	59	about 1½	6	1	
Monywa	,, 15	17	0	6	5	1	
Chittagong	,, 15	17	0	about 10	5	2	
Cherrapunji	,, 15	17	3	85	6	2	
Akyab	,, 15	17	5	about 25	3	3	
Gauhati	,, 15	17	7	about 50	6	2	
Salonah (District Nowgong, Assam).	,, 15	17	13	about 30	6	2	
Dras (Kashmir)	Apl. 18	15	2	3	4	1	
Srinagar (Kashmir)	,, 18	15	5	about 3	6	1	
,, ,,	,, 24	8	12	about 2	6	1	
Drosh	,, 24	11	0	5	7	2	
,,	,, 24	16	30	3	6	1	
,,	,, 28	0	45	10	6	1	
Shillong (Assam)	May 19	9	50	1	5	1	
Ranihat (District Cuttack).	June 2	5	50	about 5	..	1	
,, ,, ,,	,, 2	16	15	about 20	..	1	
Nowgong	,, 2	16	30	..	..	1	
Dehri	,, 2	16	35	30	7	1	
Jubbulpore	,, 2	16	38	3	7	2	
Cawnpore	,, 2	16	40	..	..	1	
Pendra	,, 2	16	40	120	..	1	
Berhampore (Bengal)	,, 2	16	41	2	5	2	
Ranchi	,, 2	16	42	about 10	7	2	
Allahabad	,, 2	16	42	..	..	1	
Rajnandgaon (C. P.)	,, 2	16	45	..	..	1	
Gulmarg (Kashmir)	,, 6	17	45	2	5	1	
,, ,,	,, 29	20	20	5	7	1	
,, ,,	,, 29	21	13	35	7	3	
Srinagar ,,	July 11	3	45	3	6	2	
Srinagar (Kashmir)	July 11	13	12	about 2	6	1	
Drosh	,, 11	16	25	5	7	2	
,,	,, 13	7	25	4	7	1	
,,	,, 15	3	45	5	7	2	
Srinagar (Kashmir)	,, 15	3	48	3	6	2	
Gulmarg ,,	,, 15	3	50	4	7	2	
Rawalpindi	,, 15	3	52	10	5	4	
Drosh	,, 19	7	54	2	6	1	
Ispahan (Persia)	,, 22	3	43	..	..	1	
Srinagar (Kashmir)	,, 22	3	52	about 2	6	1	
Ispahan (Persia)	,, 23	19	33	..	..	1	
,, ,,	,, 23	21	33	..	..	1	
Drosh	,, 24	16	0	3	7	1	
Vizagapatam	,, 29	Early in the morning.		..	..	1	
Meshed (Persia)	,, 30	1	53	2	4	1	
Hala (District Hyderabad, Sind).	Aug. 6	18	0	..	..	1	
,, ,, ,,	,, 7	6	0	..	..	1	
,, ,, ,,	,, 7	11	0	..	..	1	
Shillong (Assam)	,, 17	0	14	3	5	1	
Hala (District Hyderabad, Sind).	,, 20	14	0	..	..	1	
Srinagar (Kashmir)	,, 31	18	20	about 2	6	1	
Gauhati	Sep. 4	11	58	about 45	6	2	
Shillong (Assam)	,, 9	3	42	3	5	1	
Drosh	,, 20	6	55	4	7	2	
Gulmarg (Kashmir)	,, 24	10	47	3	6	1	
Drosh	,, 24	11	45	3	6	1	
,,	Oct. 6	7	40	3	6	2	
,,	,, 22	5	15	4	6	2	
Meshed (Persia)	,, 30	0	43	2	6	2	
Nagar Parkar (District Thar Parkar, Sind).	Nov. 18	10	48	about 45	6	2	
Chachro (Sind)	,, 18	11	15	about 20	6	1	
Mithi (Sind)	,, 18	11	30	60	3	2	
Drosh	,, 19	0	30	3	6	1	
Gwador (Persia)	Dec. 14	9	4	40	..	1	
Ranchi	,, 25	6	42	about 3	7	1	

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Table A.—Abstract of observations taken at 10 hrs. and 16 hrs. at 13 stations in India, etc., in 1927.

MONTHLY AND

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

Station.	Month.	Height of bar-cistern above sea-level in feet.	Pressure. (Reduced to 32° F. and standard gravity.) Mean 10 hrs.	Mean 16 hrs.	Mean daily range.	Mean of daily mean pressure.	Departure from normal.	Temperature of Air. Mean maximum.	Mean minimum.	Highest maximum.	Lowest minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Temperature wet bulb. Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of three previous columns.	Nocturnal radiation temperature. Mean.	Depression below mean minimum.	Departure from normal.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Calcutta (Bengal).	January	21	30·017	29·886	·131	29·942	—·021	77·6	58·5	84·9	48·8	69·8	76·6	67·1	+1·9	57·5	62·9	64·8	61·6	51·9	6·3	—1·0
	February	..	29·970	·835	·135	·894	—·008	82·3	62·0	87·6	54·2	73·8	81·3	71·2	+0·9	59·2	63·6	65·4	62·8	54·4	7·2	+0·3
	March	..	·844	·707	·137	·770	—·031	91·2	67·4	101·6	53·9	82·7	89·9	78·4	—0·9	63·1	69·1	68·5	66·9	61·1	5·9	—0·2
	April	..	·716	·579	·137	·647	—·049	97·3	77·3	102·6	71·8	89·5	94·6	86·5	+1·5	73·5	79·3	77·7	76·8	73·5	4·0	—0·5
	May	..	·668	·543	·125	·608	+·002	94·9	77·6	101·4	69·7	88·9	92·6	86·0	+0·3	75·0	80·6	80·2	78·6	74·4	3·4	+0·2
	June	..	·550	·456	·094	·509	+·015	92·0	80·2	98·3	74·7	88·0	88·7	85·8	+1·3	78·4	82·2	82·0	80·9	77·2	3·0	+0·8
	July	..	·494	·398	·096	·452	—·033	89·1	79·5	93·9	75·6	85·1	86·0	84·0	+1·0	78·0	80·5	80·8	79·8	76·8	2·4	+0·4
	August	..	·580	·479	·101	·532	—·004	88·9	79·0	92·7	76·6	84·8	85·4	83·6	+1·2	77·8	80·4	80·7	79·6	76·4	2·6	+0·6
	September	..	·713	·601	·112	·658	+·021	90·0	78·6	92·6	75·8	86·2	84·7	84·6	+1·4	77·3	80·5	79·7	79·2	75·8	2·8	+0·2
	October	..	·847	·734	·113	·786	+·001	89·7	75·3	92·3	68·5	85·8	87·2	82·0	+2·0	73·9	77·1	76·4	75·8	70·1	5·2	+0·8
	November	..	·977	·855	·122	·912	+·003	83·7	65·1	89·9	57·8	78·8	82·0	73·8	+1·4	63·4	68·4	68·5	66·8	58·2	7·0	+0·7
	December	..	30·056	·923	·127	·980	+·007	79·0	57·8	81·6	51·4	72·7	77·5	67·4	+2·1	56·6	63·8	64·2	61·5	49·7	8·1	+0·4
	Year	..	29·785	29·666	·119	29·724	—·008	88·0	71·5	102·6	48·8	82·2	85·5	79·1	+1·1	69·5	74·0	74·0	72·5	66·6	4·8	+0·2
Lahore (Punjab).	January	702	29·325	29·234	·091	29·271	—·020	67·8	39·2	73·8	32·0	54·6	67·0	51·6	—1·4	37·1	47·4	54·5	46·3	24·2	13·9	+4·2
	February	..	·277	·202	·075	·231	—·015	67·8	45·3	73·6	39·0	56·5	66·3	55·5	—1·8	43·5	51·3	55·8	50·2	32·8	11·6	+2·1
	March	..	·126	·040	·086	·077	—·055	83·8	53·3	96·3	42·0	73·4	82·4	67·9	—1·1	48·6	58·5	61·4	56·2	39·3	13·9	+4·7
	April	..	·024	28·936	·088	28·974	—·026	94·4	64·3	106·1	54·0	85·5	92·8	79·0	—1·9	57·2	66·5	68·2	64·0	50·9	13·3	+3·8
	May	..	28·944	·851	·093	·891	+·021	101·7	73·2	115·9	63·9	92·5	100·7	87·2	—1·7	63·7	71·2	73·6	69·5	61·4	11·6	+2·4
	June	..	·817	·722	·095	·762	+·024	106·2	79·8	115·0	68·8	96·7	105·5	92·6	—0·4	69·1	75·6	77·4	74·0	69·9	9·9	+3·3
	July	...	·779	·680	·099	·726	—·007	98·0	82·1	111·7	71·9	89·7	97·1	89·1	0	78·0	81·1	84·0	81·0	77·0	4·7	+0·6
	August	..	·856	·752	·104	·796	—·003	97·0	80·5	102·9	75·2	89·9	94·9	87·8	+0·7	77·5	82·0	83·4	81·0	74·5	6·2	+2·0
	September	..	·978	·870	·108	·916	—·021	99·1	73·8	105·0	65·0	88·8	98·5	85·4	+0·6	68·6	74·6	76·9	73·4	64·6	9·2	+2·5
	October	..	29·147	29·054	·093	29·090	—·024	94·3	64·2	98·4	60·0	83·6	93·6	77·8	+2·1	60·5	69·0	72·3	67·3	53·2	11·0	+1·0
	November	..	·300	·197	·103	·241	—·010	82·4	52·3	90·3	42·9	70·6	81·4	65·3	+2·1	50·0	59·8	64·9	58·2	40·3	11·8	+0·9
	December	..	·362	·275	·087	·309	—·011	70·3	47·5	81·0	37·9	59·1	69·1	56·7	+2·1	45·9	53·6	59·8	53·1	37·6	9·0	—1·2
	Year	..	29·078	28·984	·093	29·024	—·012	88·6	63·0	115·9	32·0	78·4	87·4	74·7	0	58·3	65·9	69·3	64·5	52·1	10·5	+2·2

ANNUAL TABLE A.

at 13 stations in India, etc., in 1927.

Vapour tension in inches of mercury.					Humidity.					Cloud.				Wind direction.											Wind velocity.	
														Total number of 10 hrs. and 16 hrs. winds from												
From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean 10 hrs.	Mean 16 hrs.	Mean of two previous columns.	Departure from normal.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Mean wind direction.	Normal mean wind direction.	Mean velocity in miles per diem.	Departure from normal.
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
·467	·486	·444	·483	+·052	93	66	48	71	+1	3·3	1·9	2·6	+1·1	4	6	6	6	5	5	7	5	18	N 43° W	N 30° W	56	+11
·476	·460	·430	·481	—·004	85	55	39	63	—3	1·9	1·9	1·9	—0·3	2	8	6	3	3	1	7	4	22	N 38° W	N 73° W	70	+12
·558	·546	·492	·549	—·094	81	48	30	58	—9	0·7	0·8	0·8	—1·4	1	3	1	1	3	9	22	7	15	S 67° W	S 60° W	94	+8
·802	·863	·725	·829	+·032	86	62	46	70	0	2·5	2·9	2·7	+0·1	2	1	0	1	6	17	28	2	3	S 27° W	S 80° W	120	—3
·845	·931	·864	·889	+·006	88	68	57	74	—1	5·2	4·6	4·9	+0·6	1	2	3	5	13	12	21	2	3	S 5° W	S 9° W	97	—23
·954	1·019	1·005	1·004	+·033	92	77	75	84	+1	7·5	7·8	7·7	+0·2	0	0	3	8	21	18	9	1	0	S 25° E	S 3° W	112	+8
·940	·979	·980	·966	—·005	93	81	79	86	—1	8·3	8·5	8·4	—0·2	3	1	5	12	15	14	8	1	3	S 36° E	S 1° W	96	+ 8
·937	·974	·983	·967	0	95	81	81	87	—1	8·9	8·5	8·7	0	0	1	4	13	24	10	7	2	1	S 43° E	S 2° E	80	—2
·929	·960	·948	·952	0	95	77	80	85	—1	7·7	8·8	8·2	+0·3	2	1	1	6	18	15	12	3	2	S 11° E	S 9° W	64	—7
·830	·815	·765	·823	+·007	94	66	60	76	—6	3·3	4·6	4·0	—0·6	3	2	4	8	6	5	18	4	12	S 50° W	N 18° W	57	+8
·566	·564	·522	·566	—·012	90	57	47	68	—6	0·8	1·8	1·3	—1·2	2	7	8	7	3	3	3	1	26	N 15° W	N 12° W	51	+7
·444	·472	·425	·459	+·021	93	59	45	69	—2	1·7	2·5	2·1	+0·3	5	14	14	3	1	0	0	2	23	N 7° W	N 13° W	44	0
·729	·756	·709	·747	+·003	90	66	57	74	—3	4·3	4·5	4·4	—0·2	25	46	55	73	118	109	142	34	128	..	..	78	+2
·196	·234	·260	·234	—·035	81	55	40	62	—8	3·1	1·8	2·5	—1·2	25	2	3	2	5	1	0	1	23	N 31° W	N 30° W	25	—5
·260	·309	·309	·301	+·014	86	69	49	71	+9	6·4	5·1	5·7	+1·8	15	2	5	0	5	0	1	3	25	N 37° W	N 30° W	36	—3
·284	·300	·268	·295	—·065	69	38	25	46	—8	0·5	2·7	1·6	—1·9	2	1	5	0	13	1	3	12	25	N 63° W	N 12° W	51	0
·378	·393	·361	·394	—·001	64	35	25	43	+2	3·3	4·4	3·8	+0·9	22	4	8	0	3	0	2	8	13	N 35° W	N 15° W	39	—17
·464	·476	·465	·479	+·025	58	33	25	40	+4	1·6	0·7	1·1	—1·1	14	5	4	6	6	4	1	11	11	N 43° W	N 12° E	48	—8
·569	·605	·589	·596	—·031	57	36	26	41	—3	1·1	0·8	0·9	—2·0	24	0	5	1	4	4	2	15	5	S 85° W	N 18° E	40	—23
·905	·947	·985	·964	+·101	82	70	58	71	+6	5·8	4·1	5·0	+0·7	23	0	5	15	12	2	1	2	2	S 75° E	S 78° E	48	—12
·906	·983	·991	·984	+·100	87	70	62	74	+3	5·0	4·1	4·5	+0·5	26	1	4	7	9	4	3	4	4	S 50° E	S 78° E	36	—13
·639	·673	·644	·663	—·055	76	50	36	57	—4	1·1	1·1	1·1	—0·8	28	3	3	0	1	3	3	2	17	N 50° W	N 46° E	27	—10
·479	·512	·505	·506	+·061	80	45	32	56	+4	0·3	0·5	0·4	—0·4	30	2	0	1	7	1	0	3	18	N 49° W	N 9° W	19	—9
·336	·374	·395	·365	+·049	85	50	37	61	+4	1·5	1·1	1·3	—0·2	32	0	2	1	7	1	1	2	14	N 54° W	N 42° W	18	—5
·295	·340	·390	·340	+·069	90	70	56	74	+11	5·8	4·9	5·3	+2·5	52	0	1	0	5	0	0	0	4	E	N 36° W	12	—11
·476	·512	·511	·510	+·019	76	52	39	58	+2	3·0	2·6	2·8	—0·1	293	20	45	33	77	21	17	63	161	..	..	33	—11

MONTHLY AND

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

Station.	Month.	Height of bar-cistern above sea-level in feet.	Pressure (Reduced to 32° F. and standard gravity.) Mean 10 hrs.	Mean 16 hrs.	Mean daily range.	Mean of daily mean pressure.	Departure from normal.	Temperature of Air. Mean maximum.	Mean minimum.	Highest maximum.	Lowest minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Temperature wet bulb. Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of three previous columns.	Nocturnal radiation temperature. Mean.	Depression below mean minimum.	Departure from normal.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Srinagar (Kashmir.)	January	5,204	24·960	24·879	·081	24·910	—·049	40·4	27·4	49·0	17·6	32·7	38·8	31·9	+1·2	26·1	31·1	35·5	30·9	16·5	10·2	+2·7
	February	..	·899	·833	·066	·862	—·043	43·7	30·6	49·2	22·7	35·5	41·5	35·4	+2·4	28·7	33·6	37·3	33·2	20·3	9·9	+2·2
	March	..	·860	·784	·076	·817	—·055	57·0	34·9	72·8	22·8	47·5	54·2	44·6	—0·3	32·1	42·2	46·1	40·2	22·1	12·6	+3·9
	April	..	·859	·779	·080	·814	—·038	66·8	43·1	83·6	36·3	55·7	64·6	58·9	—1·8	40·8	50·4	53·8	48·4	30·3	12·2	+3·1
	May	..	·831	·768	·063	·799	+·017	73·7	50·3	87·0	44·7	65·6	70·0	61·4	—2·5	47·2	57·7	59·3	54·8	38·0	12·2	+2·2
	June	..	·748	·684	·064	·718	+·054	81·6	58·9	91·4	48·9	71·7	78·7	66·7	—3·2	49·7	61·5	66·3	59·3	40·6	13·2	+3·2
	July	..	·625	·537	·088	·577	—·021	88·7	66·3	97·4	59·6	79·6	86·5	75·8	+2·8	61·7	69·3	74·4	68·5	54·7	11·7	+2·0
	August	..	·676	·584	·092	·627	—·009	86·0	65·0	94·0	56·2	77·4	86·5	72·9	+2·1	61·3	69·5	73·8	68·2	53·4	12·1	+3·1
	September	..	·816	·704	·112	·759	—·012	80·9	51·9	88·2	44·0	70·3	77·6	64·2	+0·2	48·7	61·4	65·7	58·6	38·2	13·6	+2·9
	October	..	·930	·816	·114	·871	—·032	74·8	42·1	79·2	35·1	62·9	70·0	56·9	+3·7	38·8	53·7	58·0	50·2	29·4	12·6	+1·9
	November	..	25·018	·902	·116	·955	—·009	61·4	30·5	68·8	22·0	49·1	58·5	44·0	0	27·6	42·4	48·1	39·4	21·6	8·9	—1·6
	December	..	·045	·961	·084	·995	+·006	48·5	31·1	56·8	22·4	39·5	47·0	37·9	+1·6	28·8	36·8	42·8	36·0	24·5	5·9	—3·5
	Year	..	24·856	24·769	·087	24·809	—·016	67·6	43·9	97·4	17·6	57·5	64·5	53·8	+0·5	41·0	50·8	55·1	49·0	32·5	11·3	+1·9
Bombay (Bombay.)	January	27	29·912	29·802	·110	29·862	—·032	81·3	66·8	84·7	62·9	73·5	77·1	73·2	—1·3	61·8	65·3	67·5	64·6	59·6	7·3	—2·0
	February	..	·914	·809	·105	·868	—·064	82·9	68·6	85·6	62·5	75·7	78·7	74·8	0	62·8	66·6	69·9	66·2	61·6	6·6	—2·1
	March	..	·813	·699	·114	·764	—·052	86·5	72·4	94·2	67·5	80·2	82·0	77·9	—0·1	66·1	70·1	71·3	69·2	66·1	6·3	—1·6
	April	..	·787	·677	·110	·743	—·008	88·6	76·5	92·1	73·4	83·4	84·6	81·5	—0·6	71·9	75·0	75·2	74·0	71·1	5·4	—1·0
	May	..	·765	·666	·099	·727	+·014	91·0	80·8	93·0	77·4	86·1	87·5	84·8	+0·2	76·3	78·1	78·5	77·6	77·4	3·4	—1·0
	June	..	·659	·583	·076	·634	+·023	87·9	79·7	93·1	74·4	84·2	84·5	82·6	+0·2	76·6	79·1	78·9	78·2	76·5	3·3	+0·2
	July	..	·614	·551	·063	·583	—·018	84·3	78·4	87·1	76·9	81·1	81·6	79·9	+0·4	76·1	77·8	77·7	77·2	Observations discontinued.		
	August	..	·698	·626	·072	·672	+·004	84·6	77·2	85·2	76·0	80·6	81·2	79·5	+0·1	75·2	77·0	77·1	76·4			
	September	..	·750	·651	·099	·710	—·020	86·2	78·0	88·6	75·0	82·2	82·9	81·0	+1·6	75·6	78·0	77·6	77·0			
	October	..	·862	·760	·102	·820	+·034	87·8	77·9	93·1	75·2	82·6	84·4	81·5	+0·8	74·7	77·3	77·3	76·4			
	November	..	·895	·782	·113	·846	—·006	84·1	71·9	91·2	65·3	77·4	80·5	77·2	—2·1	67·0	70·2	71·1	69·5			
	December	..	·987	·828	·109	·889	—·003	83·9	71·4	87·1	64·2	76·6	80·7	76·9	+0·5	67·1	69·8	71·5	69·5			
	Year	..	29·801	29·702	·098	29·761	—·005	85·7	75·0	94·2	62·5	80·3	82·1	79·2	—0·1	70·9	73·7	74·4	73·0	* 68·7	* 5·4	* —1·3

* Mean of six months.

ANNUAL TABLE A—*contd.*

at 13 stations in India, etc., in 1927.

Vapour tension in inches of mercury.					Humidity.					Cloud.				Wind direction.											Wind velocity.	
														Total number of 10 hrs. and 16 hrs. winds from												
From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean 10 hrs.	Mean 16 hrs.	Mean of two previous columns.	Departure from normal.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Mean wind direction.	Normal mean wind direction.	Mean velocity in miles per diem.	Departure from normal.
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
·130	·157	·171	·153	—·005	86	84	72	81	—3	8·2	7·4	7·8	+0·6	25	3	1	2	17	3	0	4	7	S 43° E	S 21° E	45	—9
·138	·171	·176	·157	—·017	80	82	67	76	—7	8·0	8·0	8·0	+1·4	19	5	3	0	3	5	0	9	12	N 57° W	S 9° W	53	—8
·152	·215	·230	·186	—·069	74	66	55	65	—16	4·1	5·4	4·7	—1·0	24	3	3	1	9	3	1	3	15	N 41° W	N 24° W	71	—13
·230	·284	·298	·251	—·079	83	61	50	65	—13	5·0	6·0	5·5	+0·5	18	5	4	1	6	5	0	7	14	N 46° W	N 18° W	62	—22
·293	·391	·387	·328	—·114	80	66	54	66	—12	4·0	7·0	5·5	+1·5	31	3	3	1	9	4	1	5	5	S 5° E	N 30° E	55	—20
·311	·427	·522	·372	—·163	75	55	54	61	—18	3·0	3·0	3·0	—0·6	34	3	2	0	6	0	1	5	9	N 47 °W	N 9° E	47	—19
·501	·601	·709	·530	—·039	77	60	57	65	—16	3·0	3·0	3·0	—1·0	45	0	1	0	6	2	0	3	5	S 39° W	N 48° W	38	—31
·506	·636	·725	·574	—·039	81	68	62	70	—10	3·0	3·0	3·0	—0·8	41	4	4	0	5	4	0	3	1	E	N 48° W	37	—26
·313	·435	·505	·394	—·104	80	62	53	65	—15	1·9	1·4	1·7	—1·6	44	3	1	0	8	1	0	1	2	S 69 ° E	N 38° W	45	—13
·199	·310	·350	·241	—·061	74	54	48	59	—20	0·4	2·3	1·4	—1·9	46	2	2	0	0	1	0	3	6	N 42° W	N 26° W	30	—23
·125	·199	·219	·165	—·068	71	56	46	57	—22	3·0	3·4	3·2	+0·2	35	3	5	0	4	4	2	2	5	N 18° W	N 1° E	27	—18
·137	·196	·218	·174	—·002	77	78	67	74	—7	7·5	7·6	7·5	+2·4	25	8	5	2	3	0	0	2	17	N 16° W	S 36° E	32	—13
·253	·336	·376	·295	—·068	78	66	57	67	—13	4·3	4·8	4·5	0	389	42	34	7	76	32	5	47	98	..	..	45	—18
·470	·518	·546	·520	—·062	71	63	59	68	—4	1·4	1·1	1·3	+0·2	0	14	11	4	1	1	0	6	25	N 16° W	N 6° E	150	—24
·500	·536	·581	·542	—·057	71	60	59	67	—4	1·1	1·2	1·2	0	0	10	8	6	1	2	2	7	20	N 22° W	N 1° W	158	—25
·560	·603	·625	·623	—·114	70	59	57	66	—9	1·4	1·2	1·3	0	0	9	6	2	1	2	2	9	31	N 39° W	N 36° W	171	—20
·722	·755	·748	·767	—·074	79	66	63	76	—4	1·0	1·2	1·2	—0·4	0	6	1	0	0	2	3	13	35	N 55° W	N 60° W	180	—5
·847	·852	·852	·863	—·026	81	69	65	74	—2	2·9	2·2	2·5	—0·1	0	0	0	0	0	1	9	25	17	S 87° W	N 83° W	138	—39
·872	·923	·909	·917	—·021	87	79	78	83	0	6·3	7·1	6·7	—0·4	1	0	0	0	2	8	25	17	7	S 60° W	S 63° W	203	—63
·868	·905	·807	·905	—·016	89	85	88	87	0	9·1	9·5	9·3	+0·6	0	0	0	0	0	5	20	35	2	S 71° W	75° W	253	—87
·843	·876	·878	·872	—·013	90	84	88	87	0	8·1	8·6	8·3	—0·1	0	0	0	0	0	3	35	23	1	S 61° W	S 21° W	183	—87
·851	·899	·872	·881	+·009	89	82	78	84	—2	7·2	6·7	7·0	+0·1	0	4	1	3	3	8	8	19	14	S 88° W	N 84° W	153	—36
·816	·863	·841	·853	+·001	86	78	72	80	—1	4·5	3·2	4·0	+0·9	0	5	7	5	3	5	3	11	23	N 46° W	N 9° E	130	—29
·661	·645	·642	·654	—·062	77	69	62	73	0	2·9	2·4	2·6	+0·9	0	9	18	8	1	0	0	5	19	N 5° E	N 18° E	157	—11
·607	·640	·648	·637	+·018	79	70	62	73	+1	2·6	2·9	2·8	+0·9	0	7	17	9	1	0	2	8	18	N 1° W	N 15° E	137	—33
·718	·751	·753	·757	—·035	81	72	68	76	—1	4·0	3·9	4·0	+0·2	1	54	69	37	18	27	119	178	212	..	..	168	—38

MONTHLY AND

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

Station.	Month.	Height of bar-cistern above sea-level in feet.	Pressure. (Reduced to 32° F. and standard gravity.) Mean 10 hrs.	Mean 16 hrs.	Mean daily range.	Mean of daily mean pressure.	Departure from normal.	Temperature of air. Mean maximum.	Mean minimum.	Highest maximum.	Lowest minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Temperature wet bulb. Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of three previous columns.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Jaipur (Rajputana).	January	1,431	28·593	28·481	·112	28·528	—·010	72·9	41·0	78·5	31·2	64·1	71·8	55·6	—4·3	37·4	49·1	52·6	46·3
	February	..	·558	·450	·108	·493	+·001	75·0	47·7	83·0	38·4	65·6	73·6	60·2	—4·0	44·6	52·7	55·1	50·8
	March	..	·437	·526	·111	·378	—·034	88·6	57·5	100·7	45·4	79·8	87·9	72·7	—2·2	49·1	57·7	59·7	55·5
	April	..	·340	·232	·108	·280	—·021	99·0	69·0	106·5	64·3	90·0	97·4	83·9	—2·4	56·5	64·7	65·0	62·1
	May	..	·270	·163	·107	·211	+·013	105·4	77·7	112·7	65·4	95·5	102·7	90·3	—0·8	64·4	71·3	70·5	68·7
	June	..	·181	·080	·101	·129	+·042	105·8	82·7	112·5	74·5	96·2	103·5	93·1	+2·5	68·8	73·2	73·3	71·8
	July	..	·101	·010	·091	·054	—·015	93·8	78·6	110·3	73·0	86·1	89·6	84·7	0	74·7	76·7	77·9	76·4
	August	..	·199	·112	·087	·155	+·022	88·1	75·7	95·9	72·0	81·9	84·6	80·3	—2·0	74·0	75·7	76·7	75·5
	September	..	·334	·232	·102	·280	+·022	92·0	71·9	99·6	68·3	85·0	90·8	80·5	—1·9	68·3	72·9	73·4	71·5
	October	..	·481	·377	·104	·423	+·010	94·2	67·0	96·5	58·9	85·8	92·5	79·3	+1·4	61·0	67·9	67·8	65·6
	November	..	·598	·501	·097	·540	+·024	82·4	53·9	89·8	44·9	75·0	80·5	66·6	—2·3	50·0	59·8	61·1	57·0
	December	..	·632	·533	·099	·572	+·008	75·4	52·5	83·7	47·0	68·5	73·6	62·0	+0·5	48·5	57·1	60·0	55·2
	Year	..	28·394	28·291	·102	28·337	+·006	89·3	64·6	112·7	31·2	81·1	87·4	75·8	—1·3	58·1	64·9	66·1	63·0
Bangalore (Mysore).	January	3,021	26·966	26·842	·124	26·902	—·016	85·3	60·4	89·2	54·3	75·0	81·1	71·8	+4·3	58·4	63·5	64·2	62·0
	February	..	·970	·841	·129	·902	+·001	89·2	63·3	93·4	54·4	77·8	86·4	75·5	+3·5	59·1	64·7	65·3	63·0
	March	..	·898	·764	·134	·831	—·033	93·7	68·6	98·2	63·3	81·9	90·2	80·1	+3·4	62·7	67·8	67·8	65·9
	April	..	·869	·732	·137	·807	—·003	97·1	70·8	100·2	65·9	84·9	93·7	82·6	+2·7	63·3	69·9	68·3	67·2
	May	..	·846	·723	·123	·792	+·017	94·6	69·8	99·7	64·6	82·9	89·3	80·5	+2·0	65·9	71·1	70·2	69·1
	June	..	·808	·718	·090	·770	+·015	85·6	67·2	92·9	65·2	77·2	81·4	74·6	+0·6	65·6	69·6	70·0	68·4
	July	..	·797	·726	·071	·769	+·009	80·5	65·8	87·8	63·3	73·0	75·2	71·3	—0·7	64·9	68·5	69·3	67·9
	August	..	·846	·743	·103	·804	+·028	83·5	66·0	88·0	64·1	74·9	80·0	72·8	+1·0	65·0	68·5	69·6	67·1
	September	..	·847	·728	·119	·796	—·010	84·2	66·0	91·2	63·1	76·0	81·0	73·3	+1·5	64·9	69·5	70·8*	68·1
	October	..	·939	·825	·114	·883	+·044	84·0	64·7	87·4	61·6	76·6	80·9	72·9	+1·1	63·3	68·0	67·8	66·4
	November	..	·940	·831	·109	·884	+·005	80·9	62·2	85·8	53·2	73·2	77·1	70·5	+0·9	60·4	65·6	66·7	64·3
	December	..	·994	·874	·120	·935	+·021	82·5	60·0	85·3	55·6	73·7	78·9	70·4	+2·9	58·7	63·7	64·2	62·2
	Year	..	26·893	26·779	·114	26·841	+·007	86·8	65·4	100·2	53·2	77·3	83·9	74·7	+1·9	62·7	67·5	67·8	66·0

ANNUAL TABLE A—*contd.*

at 13 stations in India, etc., in 1927.

Vapour tension in inches of mercury.					Humidity.					Cloud.				Wind direction.											Wind velocity.	
														Total number of 10 hrs. and 16 hrs. winds from												
From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean 10 hrs.	Mean 16 hrs.	Mean of two previous columns.	Departure from normal.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Mean wind direction.	Normal mean wind direction.	Mean velocity in miles per diem.	Departure from normal.
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47
·180	·165	·162	·175	—·093	71	27	21	44	—12	1·7	1·9	1·8	—1·5	20	6	8	3	1	1	7	3	13	N 29° W	N	44	—14
·262	·241	·209	·244	—·018	79	38	26	51	+4	3·3	4·3	3·8	+0·7	4	6	7	2	0	0	11	15	11	N 64° W	N 20° W	63	—3
·250	·213	·167	·214	—·091	54	22	13	33	—6	1·0	1·6	1·3	—1·8	5	3	6	4	2	3	13	13	13	N 83° W	N 46° W	81	+2
·305	·295	·212	·284	—·049	43	22	14	28	—2	2·2	4·1	3·1	+0·6	4	4	2	0	1	2	20	22	5	S 77° W	N 57° W	74	—14
·437	·464	·346	·423	—·025	47	28	17	33	—2	1·0	4·6	2·8	+0·5	7	2	2	1	1	4	17	20	8	S 78° W	N 72° W	89	—21
·536	·529	·442	·509	—·147	48	32	22	36	—16	1·8	3·9	2·8	—1·6	2	3	5	1	0	1	24	16	8	S 79° W	N 7 0° W	125	+6
·801	·804	·801	·811	—·023	82	66	60	71	+5	7·4	8·3	7·8	+0·4	9	7	8	5	4	4	9	13	3	N 79° W	N 78° W	92	—3
·817	·809	·817	·827	+·011	92	75	69	81	+3	8·5	8·7	8·6	+1.0	3	5	7	2	1	5	18	11	10	S 87° W	N 69° W	63	—19
·651	·655	·612	·657	—·035	83	56	46	67	—2	3·9	3·9	3·9	—0·6	7	4	4	1	0	1	19	16	8	S 87° W	N 42° W	65	—9
·466	·459	·374	·438	+·036	70	38	24	48	+2	1·5	3·0	2·2	+0·5	3	6	3	2	1	0	4	29	14	N 69° W	N 27° W	55	+1
·321	·327	·301	·317	+·020	75	38	30	52	—5	2·4	3·0	2·7	+1·2	9	9	2	1	3	5	5	17	9	N 75° W	N 24° W	39	—8
·294	·327	·350	·323	+·056	75	49	44	61	+8	3·1	3·5	3·3	+0·8	24	6	0	10	5	4	1	8	4	N 73° E	N 27° W	43	—8
·443	·441	·399	·435	—·030	68	41	32	50	—3	3·1	4·2	3·7	0	97	61	54	32	19	30	148	183	106	..	..	69	—7
·466	·446	·381	·435	+·027	89	52	35	61	—1	3·8	3·3	3·5	..	0	1	14	30	15	2	0	0	0	S 88° E	N 88° E	114	+21
·451	·452	·360	·428	+·019	78	48	29	54	0	2·9	2·1	2·5	..	0	5	7	19	7	4	5	5	4	N 89° E	S 69° E	106	+18
·496	·503	·388	·470	+·023	72	47	27	51	+1	4·0	5·1	4·5	..	1	0	2	24	16	4	12	3	0	S 48° E	S 36° E	106	+20
·490	·542	·374	·480	—·066	65	46	24	47	—8	2·3	3·7	3·0	..	1	2	10	7	9	3	9	12	7	S 78° E	S 27° W	106	+22
·590	·615	·500	·582	—·023	82	56	38	60	—3	4·0	5·8	4·9	..	1	8	4	1	2	0	13	24	9	N 79° W	S 81° W	177	+67
·608	·629	·592	·677	—·006	92	68	56	74	0	8·3	8·8	8·5	..	0	0	0	0	0	0	21	32	17	S 79° W	S 72° W	230	+67
·604	·638	·640	·627	+·026	95	79	75	84	+7	9·5	9·5	9·5	..	0	0	0	0	0	1	19	39	3	S 77° W	S 72° W	183	+15
·601	·615	·592	·607	—·006	94	71	59	77	—2	9·0	8·8	8·9	..	0	1	0	0	0	0	14	41	6	S 85° W	S 81° W	147	+2
·598	·639	·627*	·636*	+·013	94	72	61*	79*	—1	7·4	7·9	7·7	..	0	3	2	2	2	4	10	24	13	N 73° W	S 84° W	125	+2
·562	·579	·513	·566	—·042	92	64	40	72	—6	5·4	5·7	5·5	..	4	5	15	7	2	2	5	18	4	N 25° W	N	89	+7
·509	·540	·530	·539	0	90	66	58	74	—1	2·5	1·9	2·2	..	6	5	21	15	3	5	3	1	1	N 71° E	N 60° E	83	—5
·478	·464	·417	·467	+·001	92	56	43	66	—4	2·8	3·1	3·0	..	2	2	25	26	6	0	0	0	1	N 71° E	N 72° E	102	+6
·538	·555	·492	·538	—·004	86	61	46	67	—1	5·2	5·5	5·3	..	15	32	100	131	62	25	111	199	55	..	..	131	+20

* Mean of 29 days.

MONTHLY AND

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

Station.	Month.	Height of bar-cistern above sea-level in feet.	Pressure. (Reduced to 32° F. and standard gravity.) Mean 10 hrs.	Mean 16 hrs.	Mean daily range.	Mean of daily mean pressure.	Departure from normal.	Temperature of Air. Mean maximum.	Mean minimum.	Highest maximum.	Lowest minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Temperature wet bulb. Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of three previous columns.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Trivandrum (Madras).	January	198	29·679	29·563	·116	29·624	—·039	83·7	74·1	88·0	71·1	80·1	82·9	78·1	+1·0	71·2	73·8	75·8	73·6
	February	..	·699	·586	·113	·645	—·004	85·2	75·6	87·0	73·3	81·2	84·1	79·5	+0·9	72·8	75·2	77·1	75·0
	March	..	·626	·503	·123	·569	—·058	86·3	77·8	88·4	74·5	83·0	85·0	80·5	+0·2	75·1	76·8	78·2	76·7
	April	..	·610	·496	·114	·557	—·023	86·9	79·5	90·2	75·8	84·1	85·4	82·2	+0·3	76·5	78·0	78·8	77·8
	May	..	·621	·523	·098	·577	+·003	84·5	77·5	87·6	73·3	82·2	83·4	79·9	—1·4	75·1	77·0	78·1	76·7
	June	..	·618	·537	·081	·582	+·004	81·2	74·9	83·6	73·3	78·8	79·5	76·9	—1·5	73·2	76·2	76·5	75·3
	July	..	·633	·553	·080	·600	+·009	81·1	77·1	83·7	72·1	78·4	79·9	76·2	—1·0	72·3	75·1	75·6	74·3
	August	..	·647	·550	·097	·606	+·007	82·5	75·2	86·4	72·9	80·0	81·7	77·9	+0·	73·5	75·3	76·1	75·0
	September	..	·621	·52[illegible]	·093	·581	—·035	82·8	74·7	86·5	73·5	8[illegible]·7	80·9	77·6	—0·4	72·9	75·0	76·0	75·0
	October	..	·695	·592	·103	·648	+·027	83·2	74·7	86·1	72·1	80·8	81·9	77·7	0	72·8	75·4	76·0	74·8
	November	..	·683	·584	·099	·638	—·002	86·6	75·0	85·2	72·6	80·2	82·0	78·1	+0·4	72·5	75·1	76·0	74·5
	December	..	·700	·593	·107	·651	—·002	84·3	74·8	85·8	71·1	80·7	83·5	78·7	+1·3	71·9	74·3	76·2	74·9
	Year	..	29·653	29·551	·102	29·607	—·009	84·0	75·9	90·2	71·1	80·9	82·5	78·6	0	73·3	75·7	76·7	75·8
Madras (Madras).	January	22	29·951	29·840	·111	29·892	—·034	85·4	68·5	88·	62·7	81·6	81·9	76·2	+0·9	68·0	74·0	73·5	71·8
	February	..	·943	·824	·119	·882	—·014	88·7	69·7	98·4	65·2	84·2	84·2	78·3	+1·7	69·2	74·7	75·1	73·0
	March	..	·845	·717	·128	·781	—·054	90·7	74·9	94·2	70·2	87·0	86·7	81·2	+1·7	72·4	76·8	76·9	75·4
	April	..	·776	·647	·129	·719	—·036	94·9	79·0	100·7	72·7	91·1	88·9	85·9	+1·[illegible]	75·1	79·0	79·3	77·8
	May	..	·709	·588	·121	·657	—·006	100·1	81·9	108·9	77·5	94·4	92·3	89·9	+1·2	75·3	79·4	80·7	78·5
	June	..	·672	·55[illegible]	·114	·624	—·005	99·2	81·1	108·9	75·8	91·5	93·1	88·9	+0·5	73·2	77·3	78·7	76·4
	July	..	·679	·570	·109	·636	—·012	96·6	80·0	101·3	75·4	89·4	92·5	86·[illegible]	+1·1	72·5	76·1	77·4	75·3
	August	..	·729	·609	·120	·678	+·002	95·5	78·6	100·9	73·6	88·2	90·0	86·0	+1·5	73·1	77·0	78·2	76·1
	September	..	·751	·636	·115	·703	—·004	92·6	77·6	100·5	72·2	87·3	87·3	84·0	+0·1	73·5	77·8	78·8	76·7
	October	..	·858	·751	·107	·81[illegible]	+·035	91·5	76·4	95·9	72·1	86·3	87·0	82·7	+1·9	73·0	77·1	77·2	75·8
	November	..	·899	·798	·101	·851	—·005	84·4	72·2	88·0	61·6	80·C	80·8	77·5	—0·4	69·2	73·7	73·8	72·2
	December	..	·979	·870	·109	·921	+·011	83·9	70·3	85·6	64·7	80·6	80·6	77·1	+1·4	67·8	73·4	72·8	71·3
	Year	..	29·816	29·701	·115	29·763	—·010	92·0	75·9	108·9	61·6	86·9	87·1	82·9	+1·1	71·9	76·4	76·9	75·0

ANNUAL TABLE A—*contd.*

at 13 stations in India, etc., in 1927.

Vapour tension in inches of mercury.					Humidity.					Cloud.				Wind direction.											Wind velocity.	
														Total number of 10 hrs. and 16 hrs. winds from												
From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean 10 hrs.	Mean 16 hrs.	Mean of two previous columns.	Departure from normal.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Mean wind direction.	Normal mean wind direction.	Mean velocity in miles per diem.	Departure from normal.
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47
·706	·747	·792	·748	+·082	86	73	71	81	+7	4·6	4·9	4·8	+1·8	17	1	3	1	1	7	22	9	1	S 48° W	S 84° W	74	+4
·771	·792	·781	·798	+·113	87	75	71	81	+8	4·8	4·9	4·8	+2·2	13	5	1	0	2	3	23	7	2	S 59° W	S 81° W	91	+10
·832	·837	·871	·846	+·071	89	74	73	82	+6	7·2	8·0	7·6	+4·6	9	8	1	2	0	0	18	20	4	S 88° W	N 87° W	87	—9
·867	·881	·894	·881	+·053	86	76	74	82	+3	7·3	7·0	7·1	+2·3	5	4	2	1	0	1	9	29	9	N 83° W	N 69° W	121	+18
·840	·887	·888	·872	+·029	89	81	79	86	+3	8·2	8·1	8·2	+2·1	3	10	0	0	0	0	3	25	21	N 61° W	N 63° W	142	+18
·793	·862	·862	·839	+·029	91	87	85	91	+5	9·0	9·0	9·0	+1·1	2	6	1	0	0	0	2	16	33	N 55° W	N 60° W	150	+27
·743	·823	·826	·798	+·003	90	85	81	89	+2	8·9	8·9	8·9	+0·7	1	15	0	0	0	0	0	15	31	N 45° W	N 60° W	197	+39
·801	·827	·827	·818	+·033	91	81	77	86	+0	8·9	7·9	8·4	+1·5	1	9	0	0	0	0	0	28	24	N 60° W	N 60° W	173	+14
·786	·829	·828	·814	+·033	91	80	79	86	+2	6·9	8·3	7·6	+1·1	3	8	0	0	1	3	6	26	13	N 77° W	N 63° W	137	—5
·782	·807	·821	·803	+·017	91	77	76	84	—1	6·8	7·3	7·0	+0·1	10	4	0	2	0	0	10	24	12	N 82° W	N 69° W	106	+18
767	·802	·817	·794	+·013	89	78	75	81	—3	7·6	7·1	7·3	+1·6	15	4	1	0	1	4	11	16	8	S 85° W	N 81° W	74	+13
·742	·761	·817	·773	+·065	86	73	71	81	+3	4·4	4·2	4·3	0	14	2	1	1	1	8	18	15	2	S 57° W	N 81° W	66	+1
·786	·821	·839	·815	+·045	89	78	76	84	+3	7·1	7·1	7·1	+1·6	93	76	10	7	6	26	122	230	160	..	..	118	+12
·681	·735	·710	·727	+·042	98	68	65	80	+1	6·4	5·3	5·8	+1·7	5	7	16	7	10	4	1	3	9	N 50° E	N 51° E	96	—4
·709	·728	·748	·705	—·010	98	62	64	77	—1	5·1	3·3	4·2	+1·0	1	3	7	13	18	8	2	2	2	S 64° E	S 84° E	105	+17
·763	·784	·791	·808	+·001	88	61	62	75	—3	5·8	4·6	5·2	+3·0	0	0	4	10	19	24	5	0	0	S 31° E	S 44° E	105	—4
·818	·825	·871	·860	—·040	83	57	64	71	—7	2·5	2·9	2·7	—0·8	0	0	2	4	15	24	15	0	0	S 7° E	S 36° E	142	+9
·787	·799	·890	·839	—·057	73	50	60	63	—7	4·3	4·6	4·4	—0·7	0	0	2	6	18	17	7	12	0	S 5° E	S 9° E	151	—8
·711	·743	·787	·764	—·069	68	51	52	59	—7	6·1	7·8	7·0	+0·8	1	0	2	4	6	6	15	23	3	S 56° W	S 37° W	150	—4
·694	·721	·736	·732	—·080	68	52	50	58	—10	7·1	8·9	8·0	+0·7	1	0	3	1	2	3	17	29	6	S 76° W	S 51° W	139	0
·742	·775	·804	·784	—·052	76	58	58	65	—8	7·4	7·4	7·4	+0·5	2	0	0	0	10	11	16	23	0	S 43° W	S 36° W	115	—6
·771	·825	·860	·832	—·016	82	65	67	73	—4	6·4	7·7	7·1	+0·8	8	3	0	5	16	8	13	6	1	S 1° E	S 36° W	99	—6
·766	·804	·802	·806	—·050	84	65	63	73	—10	6·4	6·3	6·3	+0·3	5	6	6	4	4	6	4	14	13	N 63° W	N 54° E	96	+12
·681	·747	·743	·744	—·052	85	71	71	79	—5	6·6	6·7	6·6	+0·7	9	13	11	3	3	0	4	2	15	N 5° W	N 27° E	129	+6
·648	·726	·699	·691	—·038	88	70	67	75	—7	6·4	5·0	5·7	+0·2	1	22	16	5	1	0	1	1	15	N 6° E	N 24° E	120	—8
·723	·768	·787	·774	—·035	83	61	61	71	—5	5·9	5·9	5·9	+0·9	33	54	69	62	122	111	100	115	64	..	..	120	0

MONTHLY AND

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

Station.	Month.	Height of bar-cistern above sea-level in feet.	Pressure. (Reduced to 32° F. and Standard gravity.)					Temperature of Air.								Temperature wet bulb.			
			Mean 10 hrs.	Mean 16 hrs.	Mean daily range.	Mean of daily mean pressure.	Departure from normal.	Mean maximum.	Mean minimum.	Highest maximum.	Lowest minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of three previous columns.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Kodaikanal (Madras).	January	7,688	22·818	22·747	·071	22·718	..	64·2	47·3	68·9	41·6	59·3	59·2	54·7	..	43·3	51·0	53·7	49·1
	February	..	·842	·774	·068	·804	..	66·9	49·3	72·1	43·1	63·4	60·8	57·0	..	42·6	51·7	54·6	49·5
	March	..	·807	·737	·070	·767	..	68·6	51·9	75·2	48·2	64·7	62·8	59·0	..	44·7	53·4	55·7	51·1
	April	..	·802	·730	·072	·762	..	70·4	54·1	75·3	50·2	67·1	64·7	61·0	..	47·4	54·7	55·8	52·7
	May	..	·791	·721	·070	·758	..	69·1	54·6	72·8	51·2	65·9	63·3	60·4	..	50·8	57·4	57·0	55·1
	June	..	·744	·685	·059	·717	..	64·0	53·3	69·3	51·2	61·0	58·9	57·3	..	50·4	56·1	56·5	54·3
	July	..	·730	·679	·051	·707	..	62·5	52·6	66·7	50·2	58·7	57·7	56·0	..	50·5	55·6	55·3	53·5
	August	..	·763	·700	·063	·735	..	64·7	52·2	67·5	50·4	61·1	59·0	56·9	..	49·6	56·4	56·7	53·7
	September	..	·762	·687	·075	·726	..	65·2	52·6	69·3	50·5	62·0	59·3	57·4	..	50·4	57·2	56·8	54·5
	October	..	·824	·753	·071	·789	..	63·9	51·0	67·8	47·5	61·1	59·0	56·4	..	47·8	54·7	55·6	52·5
	November	..	·809	·739	·070	·774	..	64·2	49·5	71·3	42·2	61·4	58·7	55·8	..	46·1	54·9	55·4	52·0
	December	..	·833	·763	·070	·798	..	62·7	47·2	67·8	43·2	59·5	56·9	53·7	..	43·9	52·4	53·0	49·4
	Year	..	22·794	22·726	·067	22·755	..	65·5	51·3	75·3	41·6	62·1	60·0	57·1	..	47·3	54·6	55·5	52·3

ANNUAL TABLE A—*contd.*

at 13 stations in India, etc., in 1927.

Vapour tension in inches of mercury.					Humidity.					Cloud.				Wind direction.											Wind velocity.	
														Total number of 10 hrs. and 16 hrs. winds from												
From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean 10 hrs.	Mean 16 hrs.	Mean of two previous columns.	Departure from normal.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Mean wind direction.	Normal mean wind direction.	Mean velocity in miles per diem.	Departure from normal.
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47
·238	·292	·356	·294	..	72	60	72	69	..	4·9	6·2	5·6	..	1	9	16	18	13	2	0	0	3	N 73° E	..	172	..
·208	·265	·361	·278	..	59	47	68	58	..	3·1	7·0	5·1	..	0	10	3	10	25	8	0	0	0	S 65° E	..	167	..
·224	·266	·364	·294	..	58	46	65	59	..	4·7	7·6	6·1	..	1	7	23	8	17	5	0	0	1	N 81° E	..	199	..
·262	·300	·355	·311	..	63	47	61	59	..	3·0	5·7	4·3	..	0	15	9	9	22	2	0	0	3	N 78° E	..	210	..
·332	·384	·443	·379	..	78	61	77	72	..	5·1	8·2	6·6	..	5	23	5	3	3	1	0	6	16	N 14° W	..	155	..
·335	·401	·433	·385	..	82	75	87	82	..	7·8	9·5	8·7	..	1	3	0	2	1	1	5	29	18	N 76° W	..	207	..
·345	·409	·413	·382	..	87	83	87	85	..	9·3	9·9	9·6	..	1	1	0	1	0	0	1	39	19	N 76° W	..	237	..
·328	·405	·436	·382	..	84	75	87	82	..	8·0	9·9	9·0	..	7	6	3	1	1	6	1	22	15	N 70° W	..	160	..
·343	·419	·436	·394	..	87	75	86	83	..	7·3	9·2	8·2	..	1	1	3	4	18	4	1	19	9	S 43° W	..	153	..
·300	·363	·408	·356	..	81	68	82	79	..	6·5	8·0	7·2	..	1	18	9	5	5	3	1	7	13	N 4° W	..	129	..
·285	·366	·403	·348	..	81	69	82	78	..	5·5	8·1	6·8	..	7	3	10	5	17	5	1	5	7	S 79° E	..	121	..
·258	·321	·362	·309	..	79	64	79	75	..	3·6	7·0	5·3	..	4	11	13	5	12	1	0	3	13	N 29° E	..	166	..
·288	·349	·397	·343	..	76	64	78	73	..	5·7	8·0	6·9	..	29	107	94	71	134	38	10	130	117	..	..	173	..

MONTHLY AND

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

Station.	Month.	Height of bar-cistern above sea-level in feet.	Pressure. (Reduced to 32 F. and standard gravity.) Mean 10 hrs.	Mean 16 hrs.	Mean daily range.	Mean of daily mean pressure.	Departure from normal.	Temperature of Air. Mean maximum.	Mean minimum.	Highest maximum.	Lowest minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Temperature wet bulb. Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of three previous columns.	Vapour inches of. From minimum.	Mean 10 hrs.	Mean 16 hrs.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Katmandu (Nepal).	January	4,388	25·712	25·625	·087	25·662	+·020	65·2	33·3	72·0	28·3	46·2	61·6	48·6	—1·0	(a) 36·5	41·3	48·5	42·3	(a) ·196	·216	·193
	February	..	·654	·578	·076	25·613	+·010	67·1	39·7	74·0	34·9	52·4	63·1	53·2	+0·7	37·8	46·9	50·6	45·1	·207	·259	·226
	March	..	·602	·533	·069	·565	—·001	77·0	44·9	86·6	35·9	63·0	73·2	61·2	+0·4	42·4	53·7	56·5	50·9	·245	·311	·267
	April	..	·559	·496	·063	·526	+·022	85·1	51·4	89·8	47·5	73·8	80·5	68·9	+1·8	48·5	59·7	61·0	56·4	·311	·350	·315
	May	..	·556	·503	·052	·526	+·078	85·6	59·6	95·4	50·7	76·9	81·0	72·7	+1·9	57·3	65·3	66·1	62·9	·450	·490	·473
	June	..	·478	·418	·060	·444	+·086	87·4	67·0	95·2	64·5	79·4	83·7	76·4	+2·5	64·7	70·9	71·4	69·0	·582	·656	·625
	July	..	·462	403	·059	·430	+·085	85·1	68·8	89·8	66·5	78·2	81·6	76·6	+1·5	66·7	71·8	73·5	70·7	·630	·703	·734
	August	..	·504	·460	·044	·480	+·088	84·3	68·3	91·4	66·5	77·4	78·8	75·8	+1·3	66·3	71·1	72·2	69·9	·624	·685	·712
	September	..	·575	·520	·055	·545	+·067	82·2	65·7	86·2	61·3	74·9	77·8	73·6	+0·4	63·9	68·7	70·7	67·8	·574	·631	·667
	October	..	·661	·602	·059	·629	+·037	81·1	59·0	88·2	46·9	70·6	76·3	70·0	+3·1	56·9	63·7	66·9	62·5	·450	·518	·556
	November	..	·713	·654	·059	·681	+·028	68·9	47·9	77·2	38·5	57·3	64·4	57·9	+0·1	45·6	53·2	57·1	52·0	·284	·361	·387
	December	..	·754	·680	·074	·714	+·049	66·3	41·1	71·2	34·9	50·7	62·7	52·8	+0·2	39·1	47·9	54·7	47·2	·219	·304	·326
	Year	..	25·603	25·539	·063	25·568	+·048	77·9	53·9	95·4	28·3	66·7	73·7	65·6	+1·0	*52·6	59·6	62·4	58·1	*·416	·457	·458
Seychelles (Indian Ocean).	January	15	29·868	29·776	·092	29·833	—·015	83·8	76·1	88·3	72·0	81·5	81·6	78·7	+0·2	73·3	76·6	76·8	75·6	·783	·853	·858
	February	..	·881	·793	·088	·845	—·007	85·0	76·6	86·4	73·7	82·9	82·8	79·7	+0·6	73·4	76·4	76·6	75·5	·777	·825	·835
	March	..	·838	·738	·100	·793	—·035	85·5	78·4	89·4	74·7	82·8	83·3	81·0	+2·1	74·1	76·8	77·0	76·0	·783	·841	·847
	April	..	·863	·773	·090	·821	—·008	88·5	75·9	90·3	74·4	85·6	84·9	80·9	+1·5	79·1	77·7	77·5	76·1	·777	·849	·846
	May	..	·907	·824	·083	·867	+·003	86·5	76·3	89·1	73·8	83·8	84·1	80·0	+0·5	73·3	77·6	77·3	76·1	·780	·862	·850
	June	..	·918	·842	·076	·882	+·012	83·8	75·2	85·7	70·6	81·2	81·2	78·4	+0·8	72·3	76·8	76·4	75·2	·757	·869	·848
	July	..	·942	·870	·072	·907	—·009	81·9	74·1	84·6	71·1	79·2	79·5	76·7	+0.3	70·4	74·4	74·3	73·0	·692	·791	·782
	August	..	·932	·852	·080	·895	—·001	84·1	74·9	87·1	72·8	79·1	79·3	78·0	+1·4	70·2	74·0	73·9	72·7	·678	·771	·765
	September	..	·919	·830	·089	·882	—·021	85.1	74·7	87·8	70·7	79·8	79·5	78·6	+0·9	70·9	74·5	74·5	73·3	·702	·783	·788
	October	..	·929	·840	·089	·895	+·017	87·7	74·8	89·2	69·2	81·3	80·6	79·9	+2.2	71·8	76·4	76·4	74·9	·738	·844	·854
	November	..	·926	·829	·097	·891	+·026	88·2	73·5	89·3	69·6	82·0	81·3	79·4	+1·8	70·9	75·4	75·6	74·0	·720	·793	·809
	December	..	·896	·811	·085	·864	+·005	88·1	74·4	91·0	71·6	81·8	81·2	80·2	+2·3	71·9	76·6	76·4	75·0	·759	·848	·847
	Year	..	29·902	29·815	·087	29·865	—·002	85·7	75·4	91·0	69·2	81·7	81·6	79·3	+1·2	72·1	76·1	76·1	74·8	·745	·828	·827

(a) Mean of 11 days.

* Mean of 11 months.

ANNUAL TABLE A—*contd.*

at 13 stations in India, etc., in 1927.

Tension in mercury.		Humidity.					Cloud.				Wind direction.											Wind velocity.		Rainfall.		
											Total number of 10 hrs. and 16 hrs. winds from															
Mean of daily means.	Departure from normal.	From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean 10 hrs.	Mean 16 hrs.	Mean of two previous columns.	Departure from normal.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Mean wind direction.	Normal mean wind direction.	Mean velocity in miles per diem.	Departure from normal.	Rainfall.	Departure from normal.	Rainy days.
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
·210	—·043	(a)85	69	36	67	—10	2·1	1·6	1·8	—1·6	0	8	5	5	0	3	3	10	28	N 42° W	N 78° W	26	+11	0·02	—0·97	0
·241	—·019	84	66	41	67	—2	2·6	3·0	2·8	—0·7	0	7	4	9	1	3	2	16	14	N 45° W	N 87° W	36	+15	1·79	+0·93	4
·272	—·02	82	55	34	58	—3	1·9	2·3	2·1	—1·2	0	11	3	12	5	1	5	15	10	N 33° W	N 82° W	39	+16	0	—1·09	0
·318	—·042	82	43	31	52	—6	2·2	4·5	3·3	—0·7	0	11	1	14	2	7	0	20	5	N 47° W	N 87° W	24	—2	1·14	—0·80	5
·465	—·025	87	54	47	63	—5	3·8	5·9	4·9	—0·3	0	14	9	11	1	4	2	14	7	N 7° W	S 89° W	27	—4	3·29	—0·72	9
·620	—·020	88	67	55	70	—6	6·1	6·3	6·2	0	2	9	3	8	6	2	2	20	8	N 54° W	N 87° W	19	—4	4·93	—4·29	9
·693	0	89	74	69	77	—4	6·7	7·2	7·0	+0·2	0	15	3	10	3	4	3	14	10	N 29° W	S 63° W	18	+3	14·96	+0·05	22
·674	—·008	90	73	73	80	—2	7·2	8·2	7·7	+0·6	0	12	6	19	3	3	4	13	2	N 39° E	N 66° W	18	+5	14·48	—0·18	19
·626	—·007	91	73	71	80	—1	7·5	7·5	7·5	+1·2	0	17	3	14	0	2	3	11	10	N 10° W	N 87° W	16	+4	7·04	—0·31	10
·506	+·030	88	69	61	74	—1	5·1	6·1	5·6	+1·6	0	12	1	17	0	4	3	21	4	N 41° W	S 86° W	18	+6	0·66	—1·63	3
·344	+·008	84	77	65	79	+4	4·6	5·2	4·9	+2·3	0	25	1	13	1	4	2	11	3	N 1° W	N 81° W	16	+6	4·21	+4·06	6
·291	+·023	84	82	59	78	+3	2·5	2·6	2·6	0	0	22	2	9	0	3	2	8	16	N 19° W	N 72° W	18	+2	0	—0·31	0
·438	—·011	*86	67	53	70	—3	4·4	5·0	4·7	+0·2	2	163	41	141	22	40	31	173	117	..	..	23	+5	52·52	—5·26	87
·849	+·016	82	79	80	85	+1	7·0	6·8	6·9	—0·1	2	3	3	2	0	1	1	11	39	N 49° W	N 39° W	171	+64	7·[illegible]4	—9·25	12
·835	—·007	85	73	74	80	—3	4·7	5·4	5·1	—1·4	2	12	10	3	0	0	0	8	18	N 19° W	N 21° W	143	+36	0·[illegible]0	—12·00	1
·852	—·009	81	75	74	81	—2	6·0	5·6	5·8	—0·9	0	3	4	0	0	2	2	12	36	N 52° W	N 17° W	212	+126	1·64	—8·27	5
·849	—·014	87	69	71	79	—1	4·3	5·0	4·6	—0·5	13	4	7	9	7	5	1	4	10	N 53° E	N 8° E	92	+10	5·23	—2·12	11
·844	—·002	86	75	73	80	0	5·4	5·1	5·2	+0·1	4	0	1	19	24	11	3	0	0	S 50° E	S 43° E	212	+9[illegible]	6·71	+0·64	9
·841	+·060	86	81	80	84	+5	7·3	7·3	7·3	+0·2	0	0	0	20	32	5	3	0	0	S 54° E	S 27° E	257	+69	7·71	+2·91	13
·770	+·019	82	79	78	81	+3	6·3	6·5	6·4	+0·8	0	0	0	14	31	16	1	0	0	S 42° E	S 33° E	295	+84	1·95	—0·46	6
·746	—·001	78	78	76	78	0	6·5	6·6	6·5	+0·1	2	0	0	17	32	10	1	0	0	S 50° E	S 35° E	306	+75	1·05	—1·51	4
·765	—·002	82	77	78	81	+1	6·1	7·2	6·7	+1·1	4	0	0	17	27	9	3	0	0	S 47° E	S 40° E	261	+51	5·04	+0·18	11
·825	+·031	86	79	82	84	+3	7·3	8·3	7·8	+1·6	13	2	6	14	19	7	1	0	0	S 61° E	S 39° E	170	+31	13·65	+8·87	14
·799	—·037	88	73	76	82	—1	5·3	5·8	5·5	—1·4	17	2	3	12	6	3	0	5	12	N 42° E	S 56° E	110	+17	5·80	—4·61	7
·843	+·011	89	78	79	84	+1	6·2	7·1	6·6	—0·2	12	3	3	4	5	2	0	9	24	N 44° W	N 44° W	120	+11	10·59	—3·85	14
·818	+·006	85	76	77	82	+1	6·0	6·4	6·2	0	69	29	37	131	183	71	16	49	139	..	..	196	+55	67·81	—29·47	107

(a) Mean of 11 days.

* Mean of 11 months.

MONTHLY AND

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

Station.	Month.	Height of bar-cistern above sea-level in feet.	Pressure. (Reduced to 32° F. and standard gravity.) Mean 10 hrs.	Mean 16 hrs.	Mean daily range.	Mean of daily mean pressure.	Departure from normal.	Temperature of Air. Mean maximum.	Mean minimum.	Highest maximum.	Lowest minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Temperature wet bulb. Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of three previous columns.	Vapour tension of mercury. From minimum.	Mean 10 hrs.	Mean 16 hrs.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Peshawar (R. A. F.) (N. W. F. P.)	January	1,164	28·872	28·802	·070	28·828	—·037	62·0	37·1	74·5	28·4	53·0	59·8	47·6	—2·1	..	41·6	45·5	..	..	·115	·118
	February	..	·839	·770	·069	·796	—·022	63·4	40·9	70·7	33·8	54·8	61·3	51·0	—2·3	..	45·8	48·9	..	..	·191	·184
	March	..	·707	·630	·077	·663	—·064	76·2	49·5	88·3	38·0	67·4	73·9	62·2	—1·1	..	53·8	56·5	..	..	·239	·231
	April	..	·624	·529	·095	·571	—·039	86·7	61·6	101·3	54·8	78·8	84·8	73·8	+0·3	..	63·8	65·8	..	..	·395	·387
	May	..	·526	·431	·095	·473	+·012	97·3	70·0	110·9	57·4	89·9	94·3	83·4	—0·6	..	65·8	67·1	..	..	·317	·303
	June	..	·387	·289	·098	·330	+·028	106·5	77·6	111·9	71·2	98·1	104·1	91·6	+0·4	..	67·3	68·1	..	..	·255	·206
	July	..	·317	·195	·122	·252	—·020	102·5	80·9	114·4	72·8	92·6	101·1	90·8	+0·5	..	75·3	76·6	..	..	·653	·591
	August	..	·403	·279	·124	·333	—·009	98·1	79·7	106·7	73·6	89·3	96·4	88·0	+0·4	..	78·7	79·5	..	..	·841	·785
	September	..	·540	·420	·120	·472	—·027	96·6	71·1	103·3	63·4	87·2	94·3	82·9	+0·8	..	70·5	72·1	..	..	·523	·497
	October	..	·711	·598	·113	644	—·046	91·6	62·4	99·0	58·4	82·0	88·7	75·6	+4·2	..	63·8	66·5	..	..	·349	·354
	November	..	·860	·743	·117	·793	—·022	80·4	51·0	88·3	42·4	70·1	76·9	63·8	+4·7	..	53·5	57·5	..	..	·195	·218
	December	..	·928	·839	·089	·873	—·009	68·5	45·8	80·1	38·8	58·9	65·4	54·9	+3·8	..	46·5	50·5	..	..	·156	·174
	Year	..	28·643	28·544	·099	28·586	—·021	85·8	60·6	114·4	28·4	76·8	83·4	72·1	+0·7	..	60·5	62·9	..	..	·353	·337
Quetta (R. A. F.) (Baluchistan).	January	5,454	24·750	24·672	·078	24·701	+·030	47·8	22·8	63·7	9·4	38·4	45·3	34·6	—5·0	..	31·8	35·2	..	..	·109	·096
	February	..	·697	·634	·063	·658	+·003	48·1	30·8	58·0	11·3	41·4	45·9	39·2	—3·0	..	35·7	37·8	..	..	·148	·137
	March	..	·685	·611	·074	·641	+·006	63·8	36·6	77·9	25·5	55·6	61·0	50·5	—2·1	..	42·3	44·1	..	..	·120	·098
	April	..	·649	·566	·083	·599	—·008	75·6	46·4	86·1	38·5	68·4	72·7	61·6	+0·7	..	49·0	49·8	..	..	·124	·096
	May	..	·650	·575	·075	·604	+·042	85·8	52·6	94·4	43·8	79·3	83·3	69·3	+1·3	..	52·8	53·8	..	..	·123	·108
	June	..	·551	·477	·074	·507	+·057	92·0	58·5	98·4	45·4	84·6	90·2	74·4	+0·3	..	55·6	56·5	..	..	·140	·104
	July	..	·455	·373	·082	·412	+·013	95·9	69·1	101·7	59·5	87·5	92·7	82·1	+3·8	..	68·7	69·5	..	..	·508	·487
	August	..	·524	·443	·081	·481	+·028	95·2	66·3	99·9	56·1	86·2	93·3	80·2	+4·9	..	63·8	63·0	..	..	·360	·260
	September	..	·651	·571	·080	·603	+·036	86·3	51·3	94·2	41·5	77·7	83·9	68·4	+1·3	..	54·3	57·0	..	..	·184	·194
	October	..	·777	·698	·079	·723	+·031	77·5	39·9	82·1	35·2	68·5	75·5	58·7	+2·2	..	46·9	49·6	..	..	·075	·058
	November	..	·836	·755	·081	·786	+·019	65·3	30·8	73·5	19·3	56·0	63·1	47·5	—0·5	..	40·7	43·8	..	..	·082	·067
	December	..	·802	·726	·076	·752	+·030	54·5	33·9	67·9	20·8	47·8	51·8	43·3	+1·0	..	39·5	42·2	..	..	·153	·162
	Year	..	24·669	24·592	·077	24·623	+·027	74·0	44·9	101·7	9·4	65·9	71·6	59·1	+0·4	..	48·4	50·2	..	..	·177	·156

(p) Mean of 10 months.

ANNUAL TABLE A—*concld.*

at 13 stations in India, etc., in 1927.

IN INCHES		HUMIDITY.					CLOUD.				WIND DIRECTION.											WIND VELOCITY.		RAINFALL.		
											Total number of 10 hrs. and 16 hrs. winds from															
Mean of daily means.	Departure from normal.	From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean 10 hrs.	Mean 16 hrs.	Mean of two previous columns.	Departure from normal.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Mean wind direction.	Normal mean wind direction.	Mean velocity in miles per diem.	Departure from normal.	Rainfall.	Departure from normal.	Rainy days.
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
..	..	..	29	24	..	..	4·9	5·3	5·1	+0·4	31	6	4	9	4	4	1	0	3	N 74° E	S 7° W	43	—1	..	..	..
..	..	..	45	35	..	..	6·4	6·5	6·4	+2·1	13	8	6	5	6	7	5	2	4	N 87° E	N 12° W	45	—11	..	..	..
..	..	..	37	29	..	..	3·5	5·2	4·3	—0·6	16	10	6	8	8	4	1	3	6	N 51° E	N 12° E	61	—2	..	..	..
..	..	..	42	34	..	..	5·0	6·5	5·8	+1·4	14	13	13	5	3	1	1	5	5	N 18° E	N 9° E	53	—17	..	..	..
..	..	..	24	21	..	..	2·8	5·7	4·3	+1·2	2	5	18	18	4	4	0	5	6	N 58° E	N 16° E	74	—6	..	..	..
..	..	..	14	9	..	..	1·9	5·9	3·9	+1·6	10	6	8	13	6	3	6	6	2	N 82° E	N 36° E	66	—11	..	..	..
..	..	..	44	31	..	..	3·8	5·8	4·8	+1·9	7	13	20	8	3	5	2	1	3	N 44° E	N 43° E	60	—3	..	..	..
..	..	..	61	46	..	..	4·6	5·1	4·9	+2·0	8	11	22	7	4	1	0	1	8	N 33° E	N 39° E	61	—2	..	..	..
..	..	..	41	30	..	..	2·2	4·5	3·3	+1·6	13	12	15	9	2	1	0	2	6	N 31° E	N 36° E	43	—6	..	..	..
..	..	..	32	27	..	..	0·3	1·6	1·0	—0·5	32	4	11	8	3	4	0	0	0	N 72° E	N 54° E	28	—12	..	..	..
..	..	..	26	23	..	..	2·6	3·3	2·9	+0·6	45	2	2	7	2	1	0	0	0	(c) N 84° E	N 72° E	25	—10	..	..	..
..	..	..	33	29	..	..	7·2	6·9	7·0	+3·3	40	4	3	1	3	6	2	1	2	S 45° E	S	(b) 35	—5	..	..	..
..	..	..	36	28	..	..	3·8	5·2	4·5	+1·3	231	94	128	93	48	41	18	26	45	..	..	50	—7	..	..	..
..	..	..	48	34	..	..	4·5	4·7	4·6	+0·5	19	4	1	0	8	2	1	7	20	N 56° W	N 84° W	77	+26	..	..	..
..	..	..	58	47	..	..	5·7	6·4	6·0	+1·8	19	5	1	1	5	3	5	6	11	N 75° W	N 84° W	82	+21	..	..	..
..	..	..	31	21	..	..	3·1	3·7	3·4	—0·7	8	8	1	1	2	5	4	20	13	N 73° W	S 78° W	101	+31	..	..	..
..	..	..	19	13	..	..	4·2	6·4	5·3	+2·0	13	5	1	1	2	7	3	12	16	N 74° W	N 78° W	71	+10	..	..	..
..	..	..	12	10	..	..	1·1	3·2	2·2	+0·3	15	4	0	0	1	3	1	14	24	N 62° W	N 69° W	98	+40	..	..	..
..	..	..	11	7	..	..	0·6	2·2	1·4	+0·3	13	6	0	0	0	3	1	12	25	N 57° W	N 72° W	66	+13	..	..	..
..	..	..	39	33	..	..	2·4	4·7	3·6	+1·9	12	7	1	3	3	7	10	4	15	N 82° W	S 84° W	101	+43	..	..	..
..	..	..	29	17	..	..	0·9	1·5	1·2	—0·3	14	10	0	1	1	4	4	7	21	N 53° W	N 78° W	99	+52	..	..	..
..	..	..	19	16	..	..	0·7	1·4	1·0	+0·5	13	8	0	0	1	0	1	13	29	N 57° W	N 60° W	70	+31	..	..	..
..	..	..	11	6	..	..	0·5	1·2	0·9	+0·3	23	7	0	0	0	0	1	13	18	N 54° W	N 60° W	56	+22	..	..	..
..	..	..	18	12	..	..	2·4	2·9	2·6	+0·9	18	8	0	0	1	2	2	5	24	N 48° W	N 51° W	58	+23	..	..	..
..	..	..	48	44	..	..	5·9	6·2	6·0	+2·8	24	6	0	0	2	9	4	5	12	N 84° W	N 63° W	58	+18	..	..	..
..	..	..	29	22	..	..	2·7	3·7	3·2	+0·9	191	73	5	7	26	45	37	118	228	..	..	78	+27	..	..	..

(b) Mean of 30 days. (c) Mean of 29 days.

Table B.—Abstract of observations taken at 8 hrs. at 202 stations in the year 1927.

ANNUAL TABLE B FOR 1927.

Abstract of 8 hrs. observations.

Station and height of barcistern above sea-level in feet.	Pressure. Mean 8 h. reduced to 32° and standard gravity.	Pressure. Departure from normal.	Wind. Mean direction at 8 h.	Wind. Mean velocity in miles per hour.	Temperature. Mean 8 h. Dry bulb.	Temperature. Mean 8 h. Wet bulb.	Temperature. Maximum. Mean.	Temperature. Maximum. Departure from normal.	Temperature. Maximum. Highest during year.	Temperature. Minimum. Mean.	Temperature. Minimum. Departure from normal.	Temperature. Minimum. Lowest during year.	Humidity. Mean 8 h.	Humidity. Departure from normal.	Cloud. Mean amount 8 h.	Rainfall. Total of the year.	Rainfall. Departure from normal.	Rainfall. Number of rainy days.	Rainfall. Departure from normal.	Rainfall. Heaviest fall during year.
	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Bay Islands.																				
Port Blair (59)	29·776	—·005	..	5·2	80·2	76·3	85·7	—1·4	92·6	76·9	—0·1	68·9	83	—1	5·7	96·17	—20·25	154	+15·4	4·05
Lower Burma.																				
Victoria Point (113)	(c) 92·733	+·020	..	5·5*	79·4	75·5	85·0	—0·9	92·8	74·9	+0·1	69·7	83	0	5·8	179·06	+20·19	158	+6·5	10·00
Mergui (66)	29·795	—·002	..	4·1‡	77·1	74·8	87·1	—0·3	96·3	72·8	+0·9	61·0	90	+3	6·8	144·44	—16·80	165	+11·2	4·67
Tavoy (19)	29·848	—·002	..	1·7	76·1	73·6	89·3	+1·4	99·0	70·7	—1·0	55·6	89	+1	6·1	212·52	—2·22	1[illegible]5	+0·6	8·11
Moulmein* (77)	29·803†	—·015†	..	2·[illegible]	77·1	72·8	90·9	+0·4	98·4	71·2	—1·1	59·0	81	—3	5·3	58·81	—2·39	57	+7·9	4·12
Amherst* (71)	29·783	..	..	5·6	77·6	74·2	84·8	..	92·1	73·3	..	61·9	85	..	5·9	138·34	..	88	..	6·75
Rangoon (18)	29·834	+·003	..	..	76·8	73·6	89·4	+0·1	100·0	72·9	—0·1	61·5	85	—2	7·4	107·31	+8·28	124	+1·7	5·45
Bassein (27)	29·832	+·006	..	3·0	77·9	74·1	88·5	+0·3	99·8	71·7	—0·9	55·9	83	—5	4·8	97·16	—11·97	124	—0·8	5·09
Diamond Island (41)	29·7[illegible]7	—·010	..	7·7	80·0	75·3	84·7	—0·6	9[illegible]·5	76·6	+0·9	62·3	80	0	5·8	116·51	—1·39	119	+5·2	4·08
Toungoo (159)	29·667	—·018	..	..	75·4	71·5	89·0	—0·9	104·0	69·9	+0·5	53·0	82	—4	5·6	72·39	—10·57	109	—5·7	2·82
Kyaukpyu (18)	29·805	—·002	..	1·7	78·5	74·9	84·8	+0·2	93·7	72·7	+0·1	57·4	84	—[illegible]	5·5	188·61	+8·81	139	+8·8	9·43
Akyab (20)	29·801	—·006	..	8·1	76·1	72·7	84·3	—1·5	96·8	71·1	—0·6	53·7	84	—5	5·6	155·45	—47·92	131	+5·5	8·16
Upper Burma.																				
Minbu (*165*)	29·660	—·004	..	2·8	75·6	70·9	89·0	—2·4	106·9	70·2	—1·2	50·8	79	+4	4·3	37·50	+2·12	58	+0·8	2·79
Yamethin (644)	29·194	+·011	..	..	74·4	69·9	88·8	—2·3	103·7	68·7	—1·1	50·0	80	+1	4·7	40·82	+2·80	62	—1·3	3·86
Mandalay (250)	29·587	+·005	..	2·7	74·8	70·1	91·5	—1·3	107·6	71·1	—0·2	51·9	80	+6	4·7	43·56	+10·40	59	+8·2	4·77
Monywa (*230*)	29·562	0	..	2·7	75·2	70·1	90·9	+0·3	109·0	69·8	—1·4	49·9	77	0	5·7	23·11	—2·94	42	—2·1	2·33
Lashio (*2,820*)	27·051	—·003	..	1·8	65·1	62·3	79·2	—[illegible]·4	91·7	59·6	—0·9	40·1	86	0	5·3	74·19	+12·32	106	+5·3	3·51
Bhamo (*361*)	29·458	+·054	..	0·8	69·6	67·9	84·9	—1·0	97·6	66·1	+1·2	41·1	91	+2	7·0	87·94	+15·93	123	+22·5	3·14
Myitkyina (463)	29·365	+·006	..	1·4	69·1	66·7	(d) 82·2	—1·9	96·1	65·2	—0·3	43·8	88	+1	6·7	106·20	+27·21	120	+14·5	6·[illegible]
Assam.																				
Dibrugarh (353)	29·473	—·011	..	0·6	69·1	67·3	81·1	+0·3	99·9	64·1	—1·1	43·2	91	0	5·6	122·75	+14·33	150	+15·5	5·61
Sibsagar (333)	29·511	—·005	..	1·5	69·5	67·7	81·[illegible]	+0·2	97·6	66·1	+0·4	45·0	91	—3	9·1	93·71	—2·28	142	+13·5	3·97
Tezpur (252)	29·583	+·004	..	1·9	[illegible]0·9	68·1	83·5	+0·3	96·6	66·2	—0·7	46·3	86	—3	6·2	64·69	—19·55	94	—11·1	3·32
Gauhati (196)	29·647	+·002	..	1·0	71·6	68·9	[illegible]3·5	—1·0	97·6	65·8	—0·5	44·9	87	0	6·3	68·88	+3·59	92	—0·8	3·01
Dhubri (115)	29·699	—·005	..	3·6	72·1	69·0	83·4	—0·3	102·4	67·8	—0·2	47·3	85	—2	4·0	14[illegible]·45	+45·35	109	+14·7	10·96
Silchar (104)	29·749	+·010	..	1·6	72·5	69·6	84·8	—1·3	98·8	67·1	—0·4	47·2	86	—1	5·2	2[illegible]0·43	+95·75	160	+23·9	5·47
Bengal.																				
Cox's Bazar (36)	29·780	+·001	..	2·4	76·1	72·6	84·1	—0·9	92·3	69·7	+0·3	51·4	84	—3	3·9	120·00	—25·77	102	—8·5	7·28
Chittagong (87)	29·732	—·003	..	6·8	73·7	70·6	85·0	+0·1	92·[illegible]	69·2	—0·1	48·9	85	—1	5·3	153·39	+50·66	102	+7·0	10·27
Narayanganj (26)	29·777	—·007	..	2·7	75·2	72·0	87·0	+0·8	97·5	69·9	—0·5	47·2	85	0	4·8	44·84	—8·98	79	—1[illegible]·3	2·41
Barisal (12)	29·791	+·002	..	1·6	76·6	73·6	86·7	+0·9	95·4	70·8	+0·5	47·7	84	—2	3·9	75·25	—7·06	106	+2·8	4·29
Jessore (30)	29·773	+·002	..	2·1	74·6	72·0	88·3	+1·0	101·6	68·4	—1·3	42·7	88	+4	4·6	50·36	—[illegible]5·67	82	—6·0	3·14
Calcutta (21)	29·771	—·003	..	3·3	75·5	72·2	88·0	+1·0	102·6	71·5	+0·8	48·8	84	+1	4·7	45·83	—16·71	69	—16·2	3·41
Saugor Island (10)	29·776	—·005	..	10·1	79·0	74·6	85·1	—0·3	98·1	73·0	—0·4	52·0	8[illegible]	—5	5·3	79·72	+10·31	68	—11·6	14·11
Burdwan (99)	29·700	+·004	.	2·0	74·7	70·7	90·3	+1·5	107·6	69·5	—0·8	46·0	81	—2	4·7	51·58	—7·05	74	—2·9	3·11
Berhampore (67)	29·736	+·00[illegible]	..	2·6	75·9	71·1	89·5	+2·0	103·8	68·9	—0·7	41·2	78	—5	3·5	32·96	—24·15	65	—12·2	2·07

* Mean of six months. † Mean of 5 months. ‡ Mean of 3 months. (a) Mean of 8 months. (c) Mean of 9 months. (d) Mean of 11 months.

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

ANNUAL TABLE B FOR 1927—*contd.*

Abstract of 8 hrs. observations.

Station and height of barcistern above sea-level in feet.	Pressure.		Wind.		Temperature.								Humidity.		Cloud	Rainfall.				
					Mean 8 h.		Maximum.			Minimum.										
	Mean 8 h. reduced to 32° and standard gravity.	Departure from normal.	Mean direction at 8 h.	Mean velocity in miles per hour.	Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest during year.	Mean.	Departure from normal.	Lowest during year.	Mean 8 h.	Departure from normal.	Mean amount 8 h.	Total of the year.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall during year.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Bengal—*contd.*																				
Mymensingh (63)	29·751	—·004	..	1·5	73·1	70·1	85·6	+0·8	98·8	86·6	—0·3	40·9	86	—1	5·7	105·77	+12·82	98	—7·4	9·69
Bogra (75)	29·739	+·006	..	1·5	74·4	70·9	87·3	+1·1	105·6	68·4	+0·2	45·8	83	0	4·7	51·39	—19·58	79	—6·3	3·44
Dinajpur (123)	29·677	—·002	..	2·4	73·1	69·2	85·9	—0·1	106·3	68·1	+1·3	44·3	82	—2	4·3	57·28	—13·82	79	—0·5	4·30
Jalpaiguri (272)	29·522	—·020	..	1·1	70·7	68·2	85·1	+0·9	98·8	66·0	—0·2	43·3	88	+1	5·0	159·37	+37·05	130	+26·8	6·40
Orissa.																				
Balasore (64)	29·784	+·005	..	2·6	78·3	72·3	88·9	+0·2	104·5	71·2	+0·8	50·5	73	—7	2·6 (b)	60·95	—1·78	66	—12·0	5·70
Hukitala (False Point) (29)	29·771	+·001	..	(a) 7·3	..	..	..	..	..	..	..	..	..	..	2·0	47·64	—15·89	42	—29·7	10·75
Cuttack (80)	29·718	+·001	..	1·9	77·8	73·3	92·3	+1·4	110·4	72·4	—0·1	53·2	80	0	4·5	49·51	—9·96	62	—12·9	3·20
Sambalpur (486)	29·301	—·010	..	2·0	77·5	70·7	91·1	+0·6	113·0	69·3	—0·4	48·9	71	0	3·1	64·08	—1·65	75	—1·1	4·93
Chota-Nagpur.																				
Chaibasa (*733*)	29·035	—·009	..	2·5	75·5	69·6	90·4	+0·9	112·8	68·5	+0·5	45·8	76	—1	3·6	49·76	—2·03	68	—6·4	4·02
Ranchi (2,134)	27·663	+·011	..	2·9	71·0	63·7	86·7	—0·4	106·3	65·1	—0·5	43·5	67	+1	4·4	54·72	—2·49	81	+0·8	2·85
Bihar.																				
Purnea (124)	29·672	—·008	..	1·7	72·8	68·5	86·8	+0·3	105·9	65·6	—0·7	38·8	80	—5	3·7	51·63	—10·65	67	—3·8	6·13
Darbhanga (177)	29·609	—·020	..	2·4	74·2	69·0	86·5	+0·4	106·9	66·1	—1·7	40·4	76	—4	3·9	34·24	—16·03	51	—8·0	2·86
Patna (179)	29·597	—·005	..	3·2	74·2	67·7	88·5	+1·2	109·0	69·8	+1·2	44·5	71	—1	3·1	34·41	—14·12	44	—12·0	4·90
Gaya (372)	29·412	—·002	..	1·5	70·7	68·1	90·4	+0·7	114·2	69·9	+0·9	46·2	64	—5	2·3	37·59	—9·89	54	—4·0	4·75
Naya Dumka (489)	29·299	+·001	..	2·0	75·8	69·1	88·1	+0·4	109·6	68·7	+0·9	44·0	70	—2	3·8	53·02	—4·07	67	—10·9	7·15
United Provinces, East.																				
Gorakhpur (257)	29·533	+·007	..	1·5	73·0	67·1	89·6	+0·9	111·0	66·1	—0·6	37·8	73	—2	2·1	39·83	—10·36	55	—1·6	5·03
Benares (250)	29·524	—·010	..	2·0	74·5	66·8	88·8	—0·7	112·7	67·3	+0·7	38·6	68	—3	3·2	39·07	—1·48	54	+1·3	2·95
Allahabad (309)	29·466	—·008	..	3·9	74·6	66·4	90·2	+0·1	115·4	67·1	+0·3	37·6	66	+1	3·8	41·63	+2·57	57	+8·0	5·32
Cawnpore (416)	29·359	—·005	..	2·3	73·5	65·9	88·8	—1·1	113·8	66·5	+0·1	35·7	67	+1	2·3	34·80	—1·12	50	+5·5	4·35
Lucknow (368)	29·397	—·016	..	1·6	72·7	65·5	88·8	—0·9	113·5	66·1	+0·4	35·3	69	+1	2·4	34·32	—4·25	60	+11·7	3·52
Bahraich (407)	29·359	—·008	..	2·4	72·5	66·0	88·6†	+0·5	111·2	64·2	—1·5	36·8	71	—2	3·0	63·30	+18·00	61	+11·3	4·13
United Provinces, West.																				
Jhansi (824)	28·953	—·020	..	3·2	74·7	63·8	89·9	—1·3	114·6	66·2	—2·3	35·6	56	—2	2·1	44·66	+8·49	49	+2·4	9·43
Agra (554)	29·219	—·012	..	4·1	71·8	62·2	88·9	—2·2	113·9	63·3	—0·5	31·7	59	0	3·8	26·95	+0·05	40	+2·0	3·18
Mainpuri (516)	29·259	—·001	..	2·0	73·5	64·6	89·6	—0·5	114·3	63·1	—2·5	29·2	62	—3	3·3	34·80	+7·73	40	+1·4	5·35
Bareilly (568)	29·208	+·005	..	2·0	70·6	65·0	87·5	0	113·1	64·7	0	36·0	75	+2	3·4	49·57	+5·90	48	+1·7	7·08
Roorkee (899)	28·862	—·013	..	2·7	68·4	61·6	85·7	—0·7	112·2	61·5	—0·7	31·0	71	0	3·4	38·56	—8·42	47	—0·7	4·55
Punjab, East and North.																				
Delhi (718)	29·061	+·001	..	2·7	71·3	62·4	86·3	—2·3	112·0	67·9	+0·4	42·1	60	+1	2·9	21·92	—4·92	35	—1·0	4·09
Hissar (725)	29·037	—·015	..	3·6	69·1	60·2	90·6	—1·0	115·9	62·9	—1·2	32·7	60	0	1·7	17·84	+3·37	27	+3·2	2·48

N.B.—Elevations in italics indicate barometrical determinations. (*a*) Mean of 8 months. (*b*) Mean of 5 months.

ANNUAL TABLE B FOR 1921—*contd.*

Abstract of 8 hrs. observations.

Station and height of barcistern above sea-level in feet.	Pressure. Mean 8 h. reduced to 32° and standard gravity.	Pressure. Departure from normal.	Wind. Mean direction at 8 h.	Wind. Mean velocity in miles per hour.	Temperature. Mean 8 h. Dry bulb.	Temperature. Mean 8 h. Wet bulb.	Temperature. Maximum. Mean.	Temperature. Maximum. Departure from normal.	Temperature. Maximum. Highest during year.	Temperature. Minimum. Mean.	Temperature. Minimum. Departure from normal.	Temperature. Minimum. Lowest during year.	Humidity. Mean 8 h.	Humidity. Departure from normal.	Cloud. Mean amount 8 h.	Rainfall. Total of the year.	Rainfall. Departure from normal.	Rainfall. Number of rainy days.	Rainfall. Departure from normal.	Rainfall. Heaviest fall during year.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Punjab, East and North —*contd.*																				
Ambala (892)	28·860	—·016	..	3·1	69·4	61·4	87·5	—0·4	113·6	61·9	—0·8	32·4	65	—5	3·7	38·18	+7·69	47	+4·6	3·95
Ludhiana (812)	28·953	—·006	..	1·9	69·0	60·9	87·9	+0·1	113·7	61·7	—2·3	31·8	64	—1	2·9	23·37	—5·34	34	—2·3	4·33
Lahore (702)	29·059	—·008	..	1·5	69·1	61·8	88·6	—1·2	115·9	62·7	+0·7	32·0	67	0	3·0	13·87	—5·75	21	—7·1	2·80
Sialkot (830)	28·935	—·007	..	1·4	68·5	61·0	86·9	—0·2	111·7	60·0	—2·4	30·5	68	0	2·7	23·28	—7·74	32	—8·5	4·78
Rawalpindi (1,674)	28·114	0	..	1·7	66·6	57·4	83·5	—0·6	109·4	57·3	—0·4	30·1	62	—3	1·9	22·55	—12·22	50	+1·8	1·85
Punjab, South-West.																				
Khushab (612)	29·173	+·002	..	4·0	71·2	61·4	89·0	—0·5	115·0	61·7	—2·0	27·2	57	+2	2·4	9·27	—5·62	15	—8·9	2·29
Lyallpur (605)	29·159	—·005	..	2·2	69·5	60·3	88·3	—0·4	114·6	61·9	+0·2	28·9	59	—6	4·1	5·37	—9·04	13	—10·1	1·52
Montgomery (558)	29·208	—·005	..	2·8	71·3	61·8	89·1	—2·0	115·9	63·7	—0·5	30·1	59	+6	1·9	7·01	—3·55	17	—1·1	1·39
Multan (426)	29·350	+·004	..	2·0	71·8	62·5	92·8	+1·1	118·9	66·1	+0·2	31·6	59	—1	2·5	5·80	—1·40	11	—1·8	1·92
Kashmir.																				
Srinagar (5,204)	24·549	—·006	..	2·2	51·8	..	66·9	+0·8	97·3	43·8	—0·4	17·6	72	—11	4·6	19·00	—6·87	47	—11·6	1·21
Gulmarg (*8,569*) †	21·801	—·027	..	2·9	60·7	55·4	68·1	+0·6	80·0	46·8	—0·4	32·8	73	—2	3·9	11·09	—3·76	30	—2·7	2·62
Dras (*10,059*)	20·777	+·006	..	3·2	31·8	..	48·5	—0·9	86·3	22·4	+1·4	31·5	65 ‡	+1‡	4·0	15·17	—6·35	44	—11·1	0·97
Leh (*11,503*)	19·664	—·009	..	1·7	36·3	..	54·7	—0·7	85·9	29·7	+0·1	1·0	54 ‡	+5‡	4·9	2·94	—0·24	10	+0·4	0·18
Skardu (*7,505*)	22·827	—·018	..	1·6	46·6	..	65·7	+3·1	99·2	38·1	—2·4	9·9	58 §	—8	4·6	3·40	—3·56	10	—3·4	0·44
Gilgit (4,890)	25·023	—·030	..	1·1	56·7	51·1	71·9	—1·1	105·4	51·0	—1·3	24·4	58 §	+6	4·7	2·63	—2·18	9	—6·2	0·28
North-West Frontier Province.																				
Peshawar (1,113)	28·684	—·010	..	0·3	66·3	95·1	85·7	+0·2	114·2	60·0	+0·7	30·0	66	+2	3·1	6·86	—6·65	18	—7·9	1·00
Dera Ismail Khan (590)	29·211	+·009	..	1·3	70·8	60·6	89·3	—0·4	114·8	61·5	—1·1	26·2	54	—11	1·6	6·25	—2·84	17	+0·7	1·48
Baluchistan.																				
Fort Sandeman (4,614)	25·344	+·007	..	1·6	58·0	51·2 §	80·2	—0·5	106·3	53·9	+1·1	17·6 §	50 ‖	—4	1·8	9·45	—1·84	20	—6·3	1·30
Quetta (5,502)	24·584	—·003	..	2·0	49·6	..	74·4	+0·7	101·9	41·3	—2·8	8·0	51 §	—9	2·0	5·41	—4·34	19	—5·2	0·56
Chaman (4,311)	25·610	—·022	..	5·0	6 ·8	50·2 §	78·4	+0·4	108·0	55·7	+1·9	14·8	40 ¶	—8	1·9	7·49	+0·27	22	+2·6	0·88
Kalat (6,623)	23,681	—·020	..	5·5	46·1	..	70·3	—2·6	96·4	38·7	+1·5	7·7	70	+15	2·5	5·61	—1·03	22	+3·9	0·69
Dalbandin (2,772)	27·023	—·021	..	4·4	61·7	49·9 §	87·5	+0·1	116·0	55·0	+0·8	20·4	36 §	—10	2·6	2·63	—1·20	8	—1·9	0·70
Mirjawa (2,762)	27·079	..	..	8·6	61·0	52·3 §	85·5	..	113·9	58·2	..	21·8	50 §	..	1·2	1·21	..	4	..	0·50
Panjgur (3,177) *	26·627	—·035	..	4·9	63·0	55·9 §	88·3	+3·4	110·8	59·4	+2·7	24·3	50	—10	1·3	4·25	—1·09	7	—4·2	1·32
Pasni (10) ‖	29·735	—·082	..	7·1	72·5	67·6	79·7	—7·0	92·1	68·7	+2·4	40·9	76	—4	4·0	3·89	—3·13	7	—1·4	2·14
Sind.																				
Jacobabad (186)	29·592	+·003	..	2·3	74·6	63·3	95·3	—0·4	122·5	66·6	+0·9	29·5	51	—7	1·7	0·67	—3·01	3	—4·5	0·23
Hyderabad (96)	29·703	+·013	..	5·6	74·7	66·3	92·6	—0·7	114·5	68·6	+0·4	40·3	62	+2	2·0	13·55	+6·43	12	+2·4	4·55
Karachi (13)	29·803	+·001	..	8·8	74·9	69·7	83·1	—1·1	97·9	71·5	+0·1	48·0	75	+2	4·1	8·19	+0·63	10	+0·7	1·91
Rajputana, West.																				
Bikaner (*771*)	29·007	0	..	5·4	73·2	62·1	90·6	—1·5	113·4	67·0	—1·9	33·2	52	—1	2·6	10·11	—1·68	18	—1·5	1·85
Jodhpur (780)	29·008	—·010	..	3·3	73·2	62·2	91·1	—1·3	113·7	66·9	—0·9	39·7	52	+4	3·6	22·11	+8·49	28	+9·1	7·26

N.B.—Elevations in italics indicate barometrical determinations. * Mean of 10 months. † Mean of 4 months. ‡ Mean of 6 months. § Mean of 11 months. ‖ Mean of 8 months. ¶ Mean of 9 months.

ANNUAL TABLE B FOR 1927—*contd.*

Abstract of 8 hrs. observations.

Station and height of barometer above sea-level in feet.	Pressure. Mean 8 h. reduced to 32° and standard gravity.	Pressure. Departure from normal.	Wind. Mean direction at 8 h.	Wind. Mean velocity in miles per hour.	Temperature. Mean 8 h. Dry bulb.	Temperature. Mean 8 h. Wet bulb.	Temperature. Maximum. Mean.	Temperature. Maximum. Departure from normal.	Temperature. Maximum. Highest during year.	Temperature. Minimum. Mean.	Temperature. Minimum. Departure from normal.	Temperature. Minimum. Lowest during year.	Humidity. Mean 8 h.	Humidity. Departure from normal.	Cloud. Mean amount 8 h.	Rainfall. Total of the year.	Rainfall. Departure from normal.	Rainfall. Number of rainy days	Rainfall. Departure from normal.	Rainfall. Heaviest fall during year.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Rajputana, East.																				
Jaipur (1,431)	28·327	+·005	..	2·9	72·7	61·7	89·4	—1·3	112·7	64·7	—1·0	32·0	54	0	3·3	17·83	—6·38	32	—3·7	2·21
Ajmer (1,611)	28·206	+·006	..	4·6	71·1	61·2	86·8	—1·7	109·0	64·1	—1·1	31·8	57	—5	2·5	28·15	+7·[illegible]0	33	+3·0	3·99
Kotah (834)	28·940	—·020	..	2·9	75·4	64·2	89·7	—2·4	112·6	68·0	—2·0	38·6	54	+4	3·4	30·32	+2·09	[illegible]5	—0·8	5·46
Gujarat.																				
Deesa (466)	29·348	—·004	..	7·2	74·4	65·6	92·6	—1·6	115·6	65·0	—1·9	35·0	60	+3	3·8	44·40	+19·70	43	+14·3	5·92
Bhuj (334)	29·478	—·004	..	5·7	78·2	67·4	89·1	—2·0	111·4	66·8	—1·6	36·1	65	—2	2·6	19·55	+5·16	24	+7·7	3·10
Dwarka (32)	29·795	—·007	..	9·3	76·5	70·4	83·5	—0·9	96·0	72·1	—0·8	47·4	7[illegible]	—3	4·3	13·46	—0·06	18	+1·4	3·47
Rajkot (434)	29·371	—·020	..	7·5	73·2	66·7	91·3	—1·6	110·1	66·0	—0·1	39·0	66	+1	4·4	66·96	+10·67	37	+5·8	9·80
Veraval (16)	29·823	+·008	..	8·3	75·3	69·3	84·0	—0·8	9[illegible]·6	71·9	+0·6	49·5	72	+1	3·7	10·28	—8·52	20	—5·3	3·21
Surat (39)	29·801	+·002	..	3·2	77·0	69·5	89·6	—1·9	106·1	70·5	+0·6	50·0	67	—3	4·4	39·35	—1·62	61	+14·3	3·06
Ahmadabad (143)	29·668	—·001	..	5·2	75·2	66·5	92·3	—2·3	113·2	69·7	—0·9	46·9	60	+1	2·8	78·64	+49·81	47	+12·0	16·33
Central India, West.																				
Neemuch (1,626)	28·160	—·025	..	5·0	72·0	62·7	86·6	—2·2	109·9	64·1	—0·4	36·0	59	+1	2·7	35·37	+6·18	43	+6·8	3·06
Indore (1,621)	27·982	—·020	..	4·4	72·2	63·1	87·0	—1·2	107·8	63·0	—0·9	39·7	60	—2	4·3	29·38	—3·74	57	+11·2	1·96
Central India, East.																				
Mowgong (754)	29·032	0	..	1·8	71·1	63·9	91·2	+1·9	116·7	64·4	—1·2	33·4	71	+6	2·7	37·19	—5·55	46	—2·0	3·09
Sutna (1,041)	28·738	—·003	..	1·6	74·0	65·2	86·9	—1·1	112·5	66·6	+0·7	37·6	64	+2	3·3	45·54	+0·77	65	+10·1	4·04
Berar.																				
Akola (925)	28·876	—·015	..	4·6	76·0	65·5	94·0	+0·8	115·5	69·1	+1·7	48·0	57	+1	3·9	33·37	+2·02	48	+2·6	3·01
Amraoti (1,215)	28·588	—·008	..	5·7	77·3	67·7	91·8	—0·3	111·8	69·9	+0·7	52·4	60	+3	3·8	35·92	+2·87	50	+2·4	6·11
Central Provinces, West.																				
Khandwa (1,044)	28·755	—·016	..	5·6	73·9	64·7	92·2	+0·1	112·3	66·9	—0·2	43·5	60	+2	3·3	33·75	+4·12	43	+1·6	9·47
Hoshangabad (1,006)	28·811	+·003	..	2·3	73·8	64·3	90·3	0	113·1	67·2	+0·4	45·2	60	—4	3·8	40·59	—8·24	52	—3·3	3·92
Saugor (1,808)	27·984	—·007	..	4·3	73·3	62·4	86·5	—1·4	109·2	64·9	—1·6	40·0	55	0	4·1	44·84	—0·11	66	+10·1	4·24
Jubbulpore (1,327)	28·447	—·014	..	1·9	72·1	64·0	87·9	—0·4	109·9	64·8	+0·2	37·9	66	0	3·5	51·32	—3·79	62	—1·7	5·15
Seoni (2,033)	27·762	—·017	..	2·6	74·1	64·3	86·8	—0·8	108·6	65·0	+0·4	43·7	60	—1	3·5	49·01	—4·21	81	+10·8	2·58
Nagpur (1,017)	28·786	+·002	..	3·3	76·8	65·9	91·7	—0·3	113·6	69·1	+0·3	47·8	55	—4	4·1	55·72	+6·75	61	—1·8	4·80
Central Provinces, East.																				
Pendra (2,040) *	27·732	—·030	..	3·1	72·9	66·4	85·5	0	109.5	66·9	+1·8	41·9	73	+12	5·5	38·22	—11·84	71	—2·5	3·15
Raipur (870)	28·817	—·003	..	2·4	76·3	67·6	90·7	+0·5	113·8	69·5	+0·4	49·9	65	+1	4·3	63·26	+12·43	62	—1·3	6·63
Chanda (*[illegible]*)	29·166	—·010	..	3·5	78·3	68·4	93·3	+0·5	115·5	70·0	+1·4	48·2	62	—6	2·8	63·05	+11·15	68	+5·5	3·56
Jagdalpur (1,813)	27·999	—·001	..	2·0	73·8	67·7	88·5	+1·2	108·1	66·7	+1·0	47·3	75	—1	4·3	79·57	+19·00	76	—7·1	6·66

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

ANNUAL TABLE B FOR 1927—*contd.*

Abstract of 8 hrs. observations.

Station and height of barcistern above sea-level in feet.	Pressure.		Wind.		Temperature.								Humidity.		Cloud.	Rainfall.				
					Mean 8 h.		Maximum.			Minimum.										
	Mean 8 h. reduced to 32° and standard gravity.	Departure from normal.	Mean direction at 8 h.	Mean velocity in miles per hour.	Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest during year.	Mean.	Departure from normal.	Lowest during year.	Mean 8 h.	Departure from normal	Mean amount 8 h.	Total of the year.	Departure from normal.	Number of rainy days.	Departure from normal	Heaviest fall during year.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Konkan.																				
Bombay (37)	29·800	—·010	..	7·0	77·4	72·4	85·7	—0·9	94·2	74·9	+1·3	62·5	78	0	4·3	74·38	+3·75	87	+14·5	8·54
Ratnagiri (207)	29·633	—·006	..	6·3	78·9	72·5	85·9	—1·3	95·8	73·4	+0·2	59·8	73	+1	3·7	98·63	—1·35	99	+6·3	6·38
Marmagao (*58*)	29·796	+·001	..	4·5	..	..	..	..	..	..	..	..	..	..	5·1	74·96	—19·99		+4·7	3·51
Karwar (44)	29·817	+·003	..	3·1	76·1	72·6	86·9	+0·8	96·2	72·6	—0·1	62·2	84	0	3·3	115·89	—4·23	105	+0·8	4·91
Bombay-Deccan.																				
Malegaon (1,430)	28·394	—·004	..	5·3	74·5	63·9	91·3	—0·9	109·4	64·6	—0·7	42·5	56	—1	4·7	22·58	+0·35	33	—1·5	2·45
Ahmadnagar (2,154)	27·693	—·006	..	5·1	74·2	63·2	88·9	—0·7	104·8	63·8	—0·2	44·3	54	—6	4·5	24·10	+1·77	41	+4·9	2·85
Poona (1,846)	27·9[illegible]6	—·005	..	3·9	72·2	64·5	88·7	—0·8	104·7	64·2	—0·4	45·7	66	+1	3·9	25·69	—1·42	45	—2·4	3·25
Sholapur (*1,570*)	28·258	—·006	..	6·1	77·0	66·2	92·3	+0·9	103·0	72·1*	+3·8	58·0*	57	+2	3·1	25·41	—3·04	43	+1·7	2·34
Bijapur (*1,948*)	27·900	+·005	..	5·6	75·6	66·5	90·3	—0·3	104·8	68·7	+0·9	49·2	62	—3	4·1	15·17	—5·73	28	—8·1	2·20
Belgaum (2,562)	27·304	—·001	..	3·4	69·5	64·3	85·6	+1·0	101·5	64·9	+0·8	51·9	75	+4	4·5	43·85	—6·28	73	—7·9	3·22
Hyderabad, North.																				
Aurangabad (1,905)	27·933	—·018	..	7·8	74·4	63·5	90·3	—0·3	107·9	67·5	+1·4	48·0	56	+1	4·9	31·27	+3·74	46	+2·4	4·36
Nizamabad (1,248)	28·554	—·014	..	2·2	76·1	66·6	92·7	+0·7	110·6	70·0	+1·4	46·7	63	—1	2·0	35·88	—4·20	63	+7·3	2·92
Hyderabad, South.																				
Gulbarga (1,503)	28·341	+·012	..	5·8	76·2	66·1	93·2	+0·4	110·4	69·9	+0·8	50·7	60	—3	3·6	34·48	+3·40	52	+3·7	5·60
Raichur (*1,311*)	28·515	—·005	..	4·9	78·2	70·4	93·2	—0·2	110·3	71·6	—0·2	57·4	68	+4	3·1	26·98	—1·02	48	+3·3	2·15
Hyderabad (*1,719*)	28·115	+·005	..	3·9	76·2	68·2	91·5	+1·1	108·8	70·6	+1·0	53·3	67	—2	4·6	34·28	+2·01	45	—5·1	3·76
Hanamkonda (8[illegible]7	28·931	—·007	..	5·0	78·0	71·5	92·4	+0·6	113·0	73·6	+1·6	57·0	73	+7	5·7	39·77	+5·35	61	+10·5	4·50
Mysore.																				
Chitaldrug (2,405)	27·466	+·008	..	5·6	74·0	67·3	88·9	+1·9	101·9	68·9	+1·4	58·7	70	0	6·1	16·25	—8·65	37	—10·1	1·50
Bangalore (3,021)	26·885	+·007	..	6·5	70·5	66·3	86·7	+2·1	100·2	65·4	+1·1	53·2	80	+2	6·0	23·74	—11·63	49	—9·9	3·33
Mysore (2,518)	27·367	—·003	..	3·7	72·5	67·4	87·5	+1·2	100·0	67·0	+1·1	56·4	77	+1	5·6	20·77	—10·63	45	—9·8	2·21
Malabar.																				
Mangalore (72)	29·789	—·001	..	4·7	79·5	74·5	87·2	—0·3	96·0	74·5	+0·4	66·5	78	0	5·1	136·83	+11·15	118	+1·5	5·[illegible]
Calicut (27)	29·323	—·012	..	4·1	79·7	75·0	88·2	+1·8	93·8	74·3	—0·2	67·1	81	—3	7·4	120·30	+3·14	108	—5·9	5·75
Cochin (9)	29·[illegible]63	+·005	..	3·7	80·1	75·6	85·1	—2·7	91·4	75·7	+0·7	69·6	81	+1	5·9	107·39	—7·17	130	+0·5	4·09
Trivandrum (198)	29·649	—·011	..	5·0	78·1	74·9	83·7	—0·6	90·1	75·6	+0·5	71·1	86	+4	6·3	66·56	+2·05	105	+10·2	3·[illegible]
Madras, South East.																				
Pamban (37)	29·794	—·009	..	8·1	81·3	76·7	86·7	—1·0	91·8	78·4	+0·9	72·9	80	0	3·7	37·20	+0·20	49	+2·5	2·3[illegible]
Madura (463)	29·385	+·004	..	3·9	80·8	73·4	93·4	—0·3	104·1	75·6	+1·4	67·9	69	—2	6·7	32·74	—0·84	47	—2·1	4·2[illegible]
Nezapatam (31)	29·811	+·004	..	7·3	80·7	74·8	90·1	—0·1	103·0	77·5	+1·3	68·7	75	—1	5·4	28·49	—26·49	47	—8·8	3·66

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

*Mean of 9 months.

ANNUAL TABLE B FOR 1927—*concld.*

Abstract of 8 hrs. observations.

Station and height of barcistern above sea-level in feet.	Pressure.		Wind.		Temperature.								Humidity.		Cloud.	Rainfall.				
					Mean 8 h.		Maximum.			Minimum.										
	Mean 8 h. reduced to 32° and standard gravity.	Departure from normal.	Mean direction at 8 h.	Mean velocity in miles per hour.	Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest during year.	Mean.	Departure from normal.	Lowest during year.	Mean 8 h.	Departure from normal.	Mean amount 8 h.	Total of the year.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall during year.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Madras, South East—*contd.*																				
Trichinopoly (255)	29·597	+·003	..	4·5	82·4	74·0	94·5	+0·2	106·1	75·1	+0·8	65·4	66	—6	4·5	25·09	—8·09	38	—8·9	2·36
Coimbatore (1,341)	28·499	—·018	..	3·2	76·5	73·0	88·0	—1·9	101·5	70·6	+0·9	59·8	85	+4	4·0	21·38	—0·91	37	—7·4	3·54
Salem (913)	28·943	+·011	..	4·2	78·1	72·3	92·7	—0·3	105·4	72·5	+1·3	61·6	74	—3	4·6	39·44	+0·14	54	—9·4	3·49
Cuddalore (42)	29·801	+·005	..	5·6	81·0	75·3	90·3	—0·2	105·6	75·7	+0·9	63·2	77	—3	5·6	31·14	—21·80	45	—11·4	2·39
Madras (22)	29·809	—·005	..	7·1	81·5	75·3	92·0	+0·9	108·9	75·9	+0·9	61·6	75	—2	5·6	32·24	—18·50	58	+0·7	3·48
Madras Deccan.																				
Cuddapah (428)	29·413	+·006	..	..	82·4	73·2	95·9	+0·3	110·8	75·6	+1·1	59·9	64	—3	4·9	30·06	—1·17	48	+1·9	3·51
Bellary (1,475)	28·355	—·007	..	4·8	77·7	67·8	92·2	—1·1	106·0	71·7	+0·8	55·2	60	—1	3·8	13·77	—6·74	32	—3·3	1·05
Kurnool (923)	28·897	—·009	..	4·1	77·9	69·1	93·5	—0·3	109·3	72·4	+1·2	54·3	64	—4	4·3	28·54	+2·53	45	—1·7	2·91
Madras Coast, North.																				
Nellore (36)	29·762	+·003	..	(n) 3·5	81·0	74·1	93·8	+0·1	112·2	76·0	+0·8	49·2	73	—3	5·2	35·18	—2·80	36	—8·0	7·18
Masulipatam (15)	29·810	—·009	..	5·2	80·6	75·3	89·6	—0·9	112·3	75·2	+0·7	62·2	77	—4	4·4	46·93	+5·34	72	+17·5	5·76
Cocanada (26)	29·781	—·016	..	5·5	80·1	75·1	89·3	0	113·5	74·3	—0·7	61·5	78	0	6·0	40·01	+0·92	67	+13·1	3·68
Vizagapatam (38)	29·766	—·004	..	6·9	80·6	75·2	87·2	+0·2	105·0	76·3	+0·9	63·3	77	+4	5·7	43·93	+6·84	58	+7·1	2·86
Calingapatam (19)	29·780	—·008	..	6·4	79·4	75·4	88·1	—0·6	106·4	74·7	+0·9	60·7	83	+2	4·1	54·46	+10·25	54	+0·9	7·00
Gopalpur (56)	29·739	—·001	..	7·0	79·0	75·6	87·1	+1·0	99·7	73·7	+0·4	58·4	85	+4	3·5	55·33	+10·37	56	—0·2	6·21
Hill Stations, excluding Kashmir and Baluchistan.																				
Maymyo (3,546)	26·357	—·014	..	1·6	64·2	61·8	76·6	0	89·8	56·8	+0·4	35·2	89	+3	4·3	60·64	+2·02	97	+6·2	3·45
Shillong (4,920)	25·061	—·011	..	2·2	60·8	56·4	69·5	—0·4	82·0	52·8	—0·6	30·8	76	+2	3·5	96·14	+12·22	114	—9·6	8·90
Cherrapunji (4,309)	25·622	—·009	..	4·6	63·1	58·5	68·3	—0·4	79·9	57·5	+0·4	37·7	76	—5	6·3	436·83	—12·76	153	—6·2	19·50
Darjiling (7,432)	22·898	—·006	..	1·7	53·0	50·2	59·5	+0·3	74·7	48·5	+0·9	27·8	83	—2	6·9	123·34	+0·67	125	+1·8	7·24
Mukteswar (7,592)	22·814	+·022	..	5·5	53·0	(n) 47·2	62·1	—1·5	81·2	48·6	+0·7	25·8	(n) 60	—1	3·9	70·66	+18·38	85	+3·7	5·43
Chakrata (6,922)	23·337	+·024	..	7·1	56·2	(n) 51·8	64·1	—0·2	85·4	50·0	+0·5	26·3	(n) 67	+3	3·3	43·41	—28·27	82	—5·5	2·15
Simla (7,232)	26·056	+·005	..	3·8	53·5	(x) 48·6	60·0	—0·7	79·7	49·7	0	26·5	(x) 56	—0·1	4·2	80·80	+17·23	97	+9·8	6·15
Murree (6,181)	23·937	+·011	..	4·6	56·9	48·1	63·0	—1·7	87·5	51·2	+0·8	20·4	54	—2	3·6	45·65	—14·20	83	+6·9	3·40
Cherat (4,256)	25·450	+·003	..	(n) 6·7	61·3	51·6	71·9	—0·7	99·9	57·3	+0·8	30·2	52	0	3·5	18·57	—8·94	38	—4·0	2·66
Parachinar (6,000)	24·399	+·008	..	0·7	57·5	(x) 52·1	70·1	—0·2	94·8	47·1	—0·8	15·9	(x) 52	—4	[2·2	24·61	—4·91	65	+0·2	1·62
Drosh (4,500) (a)	24·986	—·070	..	2·9	55·7	(x) 50·9	72·8	+0·1	110·4	52·8	+0·9	21·2	(x) 54	—0·4	3·1	14·31	—2·44	34	—6·0	1·20
Mount Abu (3,945)	25·979	+·001	..	4·5	67·0	57·3	74·5	—1·8	95·7	60·9	—1·1	40·8	59	+5	4·2	108·20	+47·44	71	+17·3	10·86
Pachmarhi (3,528)	26·378	+·001	..	3·7	68·8	61·1	79·5	—0·4	101·6	60·3	—0·7	35·4	66	+4	4·8	63·46	—13·06	80	+2·5	3·58
Mercara (3,781)	26·160	—·002	..	4·8	66·3	63·3	76·4	+0·1	89·1	61·5	+0·4	53·5	85	0	7·9	132·76	+7·30	128	—4·4	5·30
Kodaikanal (7,686)	22·779	+·012	..	7·3	57·9	51·9	65·5	+0·4	75·3	51·3	+0·3	41·6	69	—1	5·1	56·81	—5·27	100	—6·6	3·03
Ceylon.																				
Colombo (24)	29·828	—·011	..	3·2	76·2	74·2	87·0	—0·1	91·4	75·0	—0·2	66·9	91	+6	7·3	91·91	+7·75	120	+9·0	4·19

N.B.—Elevations in italics indicate barometrical determinations. (*n*) Mean of 11 months. (*a*) Aneroid. (*x*) Mean of 10 months.
NOTE.—The barometric readings are not reduced to sea-level in the case of hill or plateau stations, the elevations of which exceed 3,200 feet.

MONTHLY AND ANNUAL TABLE B FOR 1927.

Abstract of 8 hrs. observations.

Station and height of barcistern above sea level, in feet.	Month.	Pressure. Mean 8 h. reduced to 32° and standard gravity.	Pressure. Departure from normal.	Wind. Mean direction at 8 h.	Wind. Mean velocity in miles per hour.	Temperature. Mean 8 h. Dry bulb.	Temperature. Mean 8 h. Wet bulb.	Temperature. Maximum. Mean.	Temperature. Maximum. Departure from normal.	Temperature. Maximum. Highest in month or year.	Temperature. Minimum. Mean.	Temperature. Minimum. Departure from normal.	Temperature. Minimum. Lowest in month or year.	Humidity. Mean 8 h.	Humidity. Departure from normal.	Cloud. Mean amount 8 h.	Rainfall. Total of month or year.	Rainfall. Departure from normal.	Rainfall. Number of rainy days.	Rainfall. Departure from normal.	Rainfall. Heaviest fall in month or year.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Srimangal (Assam) (69).	January	29·948	—·033	..	..	57·5	55·9	77·2	—3·4	83·3	50·6	+2·8	43·1	90	—2	2·3	0·61	+0·12	2	+1·0	0·47
	February	29·857	—·001	..	..	61·6	58·7	80·4	—2·8	86·1	52·9	+1·2	43·9	83	—5	3·6	1·03	—0·52	2	—0·8	0·74
	March	29·799	—·036	..	..	67·5	63·8	87·2	—1·9	95·6	58·3	—2·6	42·6	81	—3	4·0	3·50	—0·75	3	—2·5	1·55
	April	29·706	—·042	..	..	75·7	72·3	90·1	—0·6	97·7	69·5	+1·0	63·8	84	—1	5·4	14·26	+3·54	12	+0·4	3·19
	May	29·663	+·015	..	..	78·3	75·3	90·3	—0·9	94·7	72·5	+0·5	63·4	86	+1	5·8	11·17	—3·79	13	—1·1	2·31
	June	29·576	+·040	..	..	81·6	75·3	91·2	+1·0	97·1	76·2	+0·9	69·3	86	—1	6·7	19·26	+2·15	19	—1·1	4·05
	July	29·522	—·015	..	..	81·2	78·8	90·5	+0·2	95·5	77·3	+1·1	75·8	89	+1	7·5	12·99	—3·48	22	+0·3	1·94
	August	29·590	+·013	..	..	81·0	78·6	90·5	+0·2	94·1	76·6	+0·6	74·0	90	+1	6·9	14·68	+1·44	21	+0·4	2·72
	September	29·652	+·028	..	..	78·9	77·1	87·5	—3·3	92·9	75·2	+0·2	72·4	92	+4	7·5	18·81	+6·97	16	—0·2	3·73
	October	29·812	+·029	..	..	78·6	75·3	88·1	—1·5	93·0	70·7	+0·6	63·2	85	—3	4·1	9·02	+2·20	9	+0·6	3·63
	November	29·918	+·044	..	..	71·1	67·9	84·9	—1·7	89·9	59·9	+0·5	52·8	84	—6	1·9	1·45	+0·54	2	—0·9	0·92
	December	29·983	+·044	..	..	61·8	59·4	79·9	—1·0	84·0	49·9	+1·2	45·5	87	—5	1·2	0	—0·23	0	—0·6	0
	Year	29·759	+·007	..	..	72·9	70·1	86·5	—1·3	97·7	65·8	+0·7	42·6	86	—2	4·7	106·72	+8·19	121	—2·7	4·05
Noakhali (Bengal) (43).	January	29·957	—·017	N 3 E	0·7	62·9	60·3	78·5	+0·6	88·2	58·2	+4·7	49·8	85	—3	2·8	0·20	—0·07	1	+0·4	0·46
	February	29·909	—·018	N 1 W	1·4	65·6	62·5	82·5	+1·5	86·6	61·4	+3·5	53·2	84	—1	3·6	1·54	+0·41	2	+0·2	1·30
	March	29·810	—·039	S 50 E	1·3	71·9	68·8	85·9	—0·5	91·8	67·2	—0·5	53·0	84	0	2·8	1·06	—1·59	2	—1·4	0·56
	April	29·724	—·046	S 18 E	3·6	80·7	77·2	88·6	+0·1	93·8	75·6	+1·9	68·8	85	+4	4·4	9·71	+3·31	9	+2·7	2·65
	May	29·673	—·008	S 48 E	3·1	81·6	77·6	88·9	—0·2	94·2	76·3	+0·4	67·8	83	+1	4·5	15·53	+4·13	11	+0·4	5·53
	June	29·587	+·023	S 27 E	5·4	82·9	79·9	88·6	+1·7	93·3	79·0	+1·7	74·3	86	—2	6·1	9·20	—12·29	14	—4·6	1·58
	July	29·524	—·022	S 44 E	6·6	81·2	78·8	86·8	+1·0	89·8	78·2	+0·5	76·2	90	0	6·5	23·18	—1·17	26	+3·4	2·56
	August	29·597	+·003	S 40 E	5·8	81·0	78·5	86·9	+1·3	93·3	77·9	+0·5	74·0	89	—1	5·8	18·43	—7·78	20	—3·4	3·12
	September	29·707	+·014	S 45 E	2·6	80·3	78·3	85·9	—0·7	91·8	77·5	0	72·0	92	+2	5·6	13·24	—3·39	20	+4·1	1·95
	October	29·821	+·004	N 67 E	1·1	79·2	77·1	87·7	+1·4	91·8	75·5	+1·6	70·2	91	+3	3·9	8·63	+0·27	10	+2·4	2·28
	November	29·922	+·012	N 16 E	0·4	70·7	68·1	84·7	+1·7	89·8	66·0	+1·7	59·0	87	0	2·0	0·16	—1·58	1	—0·8	0·12
	December	29·983	+·012	N 2 E	0·3	63·7	61·9	80·1	+2·1	85·2	59·4	+4·5	55·8	90	+3	1·4	0	—0·28	0	—0·4	0
	Year	29·768	—·007	..	2·7	75·1	72·4	85·4	+0·8	94·2	71·0	+1·7	49·8	87	+1	4·1	100·88	—20·03	116	+3·0	5·58

MONTHLY AND ANNUAL TABLE B FOR 1927—*contd.*

Abstract of 8 hrs. observations.

Station and height of barcistern above sea level in feet.	Month.	Pressure. Mean 8 h. reduced to 32° and standard gravity.	Pressure. Departure from normal.	Wind. Mean direction at 8 h.	Wind. Mean velocity in miles per hour.	Temperature. Mean 8 h. Dry bulb.	Temperature. Mean 8 h. Wet bulb.	Temperature. Maximum. Mean.	Temperature. Maximum. Departure from normal.	Temperature. Maximum. Highest in month or year.	Temperature. Minimum. Mean.	Temperature. Minimum. Departure from normal.	Temperature. Minimum. Lowest in month or year.	Humidity. Mean 8 h.	Humidity. Departure from normal.	Cloud. Mean amount 8 h.	Rainfall. Total of month or year.	Rainfall. Departure from normal.	Rainfall. Number of rainy days.	Rainfall. Departure from normal.	Rainfall. Heaviest fall in month or year.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Midnapore (Bengal) (149).	January	29·857	—·020	N 2 E	1·6	63·3	53·1	81·1	+0·3	90·0	58·8	+2·8	50·3	72	+1	3·2	0·11	—0·35	0	—0·9	0·09
	February	·814	—·002	N 1 W	2·0	68·0	60·4	85·0	—0·5	9[illegible]·6	62·7	+1·6	55·1	62	—6	3·5	1·26	+0·05	3	+1·2	0·51
	March	·695	—·026	S 6 W	2·6	76·6	66·3	95·1	+0·4	106·8	68·2	—1·1	55·5	56	—11	1·6	0	—1·43	0	—2·5	0
	April	·575	—·040	S 12 E	3·5	84·4	75·9	105·0	+4·4	109·9	77·5	+1·6	67·7	67	—3	3·5	1·59	—0·28	3	—0·5	1·25
	May	·527	+·010	S 41 E	3·3	85·6	78·9	99·3	—0·2	107·1	79·2	+1·0	67·3	73	—1	5·8	8·11	+2·79	6	—1·3	3·38
	June	·407	+·014	S 34 E	4·4	84·9	79·8	94·6	+1·2	107·4	80·6	+1·8	76·0	79	—3	8·6	12·77	+2·27	8	—5·0	7·71
	July	·347	—·031	S 73 E	2·9	82·5	79·1	89·2	—0·9	94·4	79·1	+0·3	76·6	85	0	7·5	10·85	—1·68	15	—0·9	2·43
	August	·436	+·009	S 84 E	2·4	82·5	78·8	89·2	—0·2	93·5	78·5	+0·2	75·5	84	—3	9·5	12·52	+0·30	16	—0·4	2·39
	September	·571	+·028	S 11 E	1·6	83·4	78·7	91·0	+1·3	93·9	79·0	+1·1	76·4	81	—5	8·4	3·57	—5·18	9	—5·2	0·84
	October	·711	+·012	N 9 W	1·5	80·2	74·2	90·6	+1·2	94·4	73·4	0	67·2	74	—6	3·3	2·17	—1·47	5	—0·4	0·71
	November	·840	+·025	N 3 W	1·4	71·5	64·6	85·3	+0·7	92·1	64·2	+0·7	57·7	67	—4	2·8	0·05	—0·88	0	—1·1	0·05
	December	·906	+·022	N 2 E	1·2	64·5	58·0	81·6	+1·9	83·5	57·7	+2·5	51·7	65	—3	1·9	0	—0·25	0	—0·3	0
	Year	29·641	0	..	2·4	77·3	71·1	90·6	+0·8	109·9	71·6	+1·0	50·3	72	—4	5·0	53·00	—6·05	65	—15·3	7·71
Khulna (Bengal) (16).	January	30·014	..	N 45 E	1·9	63·3	59·6	76·8	..	84·3	37·0	..	46·4	80	..	3·2	0·77	..	3	..	0·31
	February	29·907	..	N 10 E	2·3	68·0	62·5	82·4	..	88.2	60·1	..	48·9	72	..	2·9	1·42	..	4	..	0·65
	March	29·884	..	S 82 W	3·3	73·6	68·2	89·4	..	96·7	64·6	..	50·1	75	..	2·9	0·45	..	1	..	0·45
	April	29·774	..	S 51 W	5·6	82·6	78·1	94·5	..	99·1	76·4	..	70·4	81	..	4·7	0·71	..	1	..	0·59
	May	29·735	..	S	3·8	84·3	78·2	92·8	..	95·3	75·9	..	68·1	75	..	4·6	6·06	..	8	..	1·46
	June	29·630	..	S 23 W	4·5	84·7	80·3	90·8	..	95·3	79·3	..	74·5	82	..	7·1	11·61	..	10	..	4·51
	July	29·562	..	S 18 E	3·9	82·5	79·2	87·8	..	92·3	78·6	..	76·1	86	..	8·2	12·67	..	22	..	2·59
	August	29·646	..	S 24 E	3·8	83·1	79·2	88·6	..	92·3	78·5	..	75·9	84	..	7·4	8·67	..	20	..	1·63
	September	29·769	..	S 30 W	2·6	83·1	79·3	89·0	..	92·4	77·8	..	74·5	84	..	6·1	6·06	..	12	..	1·48
	October	29·[illegible]99	..	N 88 W	2·0	81·5	77·2	89·4	..	94·3	74·6	..	63·9	82	..	2·8	3·32	..	6	..	1·14
	November	30·017	..	N 39 E	1·5	74·2	68·3	83·5	..	89·2	64·7	..	57·0	73	..	1·0	0	..	0	..	0
	December	·081	..	N 4 E	1·3	65·8	61·3	79·9	..	83·3	56·5	..	51·9	76	..	0·7	0	..	0	..	..
	Year	29·837	..	..	3·0	77·2	72·6	87·1	..	99·1	70·3	..	46·4	79	..	4·3	51·74	..	87	..	4.51

MONTHLY AND ANNUAL TABLE B FOR 1927—*contd.*

Abstract of 8 hrs. observations.

Station and height of barcistern above sea level in feet.	Month.	Pressure.		Wind.		Temperature.								Humidity.		Cloud.	Rainfall.				
		Mean 8 h. reduced to 32° and standard gravity.	Departure from normal.	Mean direction at 8 h.	Mean velocity in miles per hour.	Mean 8 h.		Maximum.			Minimum.			Mean 8 h.	Departure from normal.	Mean amount 8 h.	Total of month or year.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall in month or year.
						Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month or year.	M	Departure from normal.	Lowest in month or year.								
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Satkhira (Bengal).	January	30·057	..	N 6 E	1·2	60·5	58·7	79·4	..	85·7	55·8	..	45·3	89	..	2·7	1·34	..	3	..	0·81
	February	30·011	..	N 5 E	1·4	65·5	61·6	84·3	..	89·7	5[illegible]·6	..	48·3	79	..	1·6	1·29	..	2	..	0·78
	March	29·901	..	S 59 W	2·2	73·5	68·6	91·3	..	98·9	65·3	..	50·8	77	..	1·5	0·81	..	1	..	0·81
	April	29·789	..	S 41 W	4·1	83·8	78·7	97·7	..	102·4	77·1	..	67·4	79	..	2·3	2·40	..	2	..	1·96
	May	29·730	..	S 11 E	3·5	84·9	79·1	95·3	..	99·4	76·7	..	69·3	77	..	2·7	4·81	..	6	..	1·03
	June	29·636	..	S 4 E	3·8	85·4	84·1	92·0	..	100·5	80·2	..	74·3	95	..	3·7	14·09	..	12	..	4·22
	July	29·571	..	S 48 E	3·3	82·7	80·2	88·9	..	92·6	78·7	..	75·3	89	..	5·6	8·08	..	16	..	1·24
	August	29·654	..	S 57 E	2·6	83·1	79·9	89·5	..	93·0	78·7	..	75·3	87	..	6·1	6·25		19	..	1·36
	September	29·779	..	S 12 W	1·6	83·7	80·0	90·0	..	93·8	78·0	..	72·1	84	..	6·6	6·64		13	..	1·09
	October	29·913	..	S 14 W	1·3	81·4	77·6	91·4	..	94·4	75·7	..	68·3	83	..	2·3	1·53		6	..	0·44
	November	30·031	..	N 16 E	0·8	69·6	66·7	87·0	..	93·3	63·7	..	54·5	86	..	0·8	0·02	..	0	..	0·02
	December	30·063	..	N 4 W	0.7	60·7	59·0	82·7	..	86·6	54·5	..	48·5	90	..	0·7	0	..	0	..	..
	Year	29·846	..	..	2·2	76·2	72·9	89·1	..	102·4	70·3	..	45·3	85	..	3·0	46·76	..	80	..	4·22
Asansol (Bengal) (414).	January	29·634	..	..	..	60·1	56·8	76·6	..	83.2	53·4	..	44·2	80	..	2·6	1·50	..	2	..	1·22
	February	·586	..	..	..	63·5	60·0	80·7	..	90·3	56·6	..	49·8	81	..	3·0	3·79	..	5	..	1·71
	March	·463	..	..	..	71·5	65·2	89·5	..	104·1	62·0	..	52·8	70	..	1·7	0·79	..	1	..	0·72
	April	·350	..	..	..	84·3	75·9	103·8	..	109·1	73·9	..	68·3	67	..	1·1	0·04	..	0	..	0·03
	May	·304	..	..	..	82·6	78·5	99·3	..	111·3	75·8	..	64·6	83	..	3·8	5·01	..	6	..	1·95
	June	·176	..	..	..	84·4	80·5	97·6	..	107·7	78·7	..	72·6	84	..	4·1	13·29	..	9	..	4·59
	July	·135	..	..	..	81·7	79·9	90·9	..	95·1	77·7	..	74·7	92	..	7·3	11·32	..	17	..	1·45
	August	·217	..	..	..	81·1	79·6	89·5	..	96·0	77·1	..	72·6	93	..	7·3	13·17	..	18	..	4·74
	September	·337	..	..	..	82·0	79·6	91·9	..	96·0	76·5	..	72·8	90	..	4·4	8·35	..	13	..	1·22
	October	·489	..	..	..	77·4	74·2	90·0	..	93·4	70·8	..	64·0	85	..	2·0	4·64	..	4	..	2·10
	November	·611	..	..	..	68·4	64·0	83·4	..	87·6	60·6	..	53·1	77	..	2·0	0	..	0	..	0
	December	·679	..	..	..	61·8	57·6	79·5	..	84·2	53·5	..	49·1	76	..	0·9	0	..	0	..	0
	Year	29·415	..	..	..	74·9	71·0	89·4	..	111·3	68·1	..	44·2	81	..	3·3	61·60	..	75	..	4·74

MONTHLY AND ANNUAL TABLE B FOR 1927—*contd.*

Abstract of 8 hrs. observations.

Station and height of barometer cistern above sea level in feet.	Month.	Pressure. Mean 8 h. reduced to 32° and standard gravity.	Pressure. Departure from normal.	Wind. Mean direction at 8 h	Wind. Mean velocity in miles per hour.	Temperature. Mean 8 h. Dry bulb.	Temperature. Mean 8 h. Wet bulb.	Temperature. Maximum. Mean	Temperature. Maximum. Departure from normal.	Temperature. Maximum. Highest in month or year.	Temperature. Minimum. Mean.	Temperature. Minimum. Departure from normal.	Temperature. Minimum. Lowest in month or year.	Humidity. Mean 8 h.	Humidity. Departure from normal.	Cloud. Mean amount 8 h.	Rainfall. Total of month or year.	Rainfall. Departure from normal.	Rainfall. Number of rainy days.	Rainfall. Departure from normal.	Rainfall. Heaviest fall in month or year.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Kalimpong (Bengal) (3,933).	January	26·024	..	N 62 W	5·6	49·9	47·2	58·2	..	64·9	46·3	..	40·0	83	..	4·7	0·25	..	1	..	0·11
	February	25·953	..	N 45 W	6·8	51·0	48·2	57·9	..	63·7	47·4	..	42·6	82	..	5·3	1·48	..	5	..	0·44
	March	25·915	..	N 58 W	5·7	58·1	53·1	65·4	..	74·9	52·4	..	45·1	72	..	3·2	1·77	..	5	..	0·64
	April	25·879	..	N 56 W	8·0	64·4	58·5	73·3		80·3	58·9	..	53·1	70	..	2·7	2·68	..	7	..	1·02
	May	25·875	..	N 69 W	6·4	67·6	63·5	74·9	..	81·9	61·7	..	56·1	89	..	4·9	2·83	..	8	..	0·72
	June	25·790	..	N 63 W	5·2	70·1	68·6	75·8	..	82·7	67·1	..	65·1	93	..	8·4	15·11	..	14	..	3·19
	July	25·752	..	S 34 E	5·2	71·6	70·0	76·7	..	82·3	67·7	..	65·6	93	..	7·4	23·18	..	19	..	5·57
	August	25·807	..	N 81 W	5·3	71·0	69·9	75·8	..	82·5	67·6	..	66·1	95	..	7·5	12·19	..	20	..	2·55
	September	25·881	..	S	4·9	68·7	67·7	73·5	..	77·9	65·9	..	63·3	95	..	8·0	14·04	..	13	..	2·52
	October	26·004	..	N 55 W	6·3	65·7	62·9	72·4	..	77·1	61·4	..	58·1	86	..	3·7	1·83	..	6	..	0·50
	November	26·057	..	N 60 W	6·8	57·5	54·1	65·2	..	71·5	53·2	..	46·7	81	..	4·4	1·74	..	5	..	0·80
	December	26·087	..	N 65 W	5·8	54·0	50·6	62·5	..	68·1	49·7	..	46·7	79	..	2·9	0	..	0	..	..
	Year	25·919	..	..	6·0	62·5	59·5	69·3	..	82·7	58·3	..	40·0	84	..	5·3	77·10	..	103	..	5·57
Puri (Orissa) (40)	January	29·966	—·036	N 20 E	7·4	68·7	65·3	79·3	—1·0	85·2	64·6	+1·1	57·8	82	—1	2·1	0·27	—0·03	1	+0·5	0·27
	February	29·914	—·027	N 11 E	9·6	73·2	69·8	82·6	—0·6	92·2	69·3	+0·2	63·0	84	+3	3·9	0·12	—0·74	1		0·12
	March	29·815	—·044	S 17 W	12·6	78·9	74·7	85·6	—0·9	93·0	75·1	—0·2	65·0	81	—2	3·6	0	—0·55	0	—1·1	0
	April	29·717	—·051	S 28 W	16·2	82·4	79·8	87·4	—0·4	95·0	80·0	+1·4	76·7	89	+4	5·5	0·01	—0·67	0	—1·3	0·01
	May	29·644	—·016	S 13 W	14·9	85·5	81·6	89·7	—0·2	100·2	81·2	+0·4	72·8	84	—1	5·0	1·63	—1·20	2	—1·4	1·15
	June	29·514	—·023	S 27 W	13·3	85·8	82·1	90·6	+1·6	94·3	81·9	+1·3	73·8	85	0	6·4	7·12	—0·19	5	—3·1	2·53
	July	29·482	—·045	S 60 W	12·2	82·9	79·6	87·4	—0·3	92·9	79·5	—0·3	75·0	86	0	6·9	10·36	+0·33	12	+0·1	3·13
	August	29·551	—·019	S 42 W	10·8	82·2	79·5	86·8	—1·0	90·9	78·6	—0·9	75·0	88	+2	6·9	16·27	+3·96	20	+7·0	3·94
	September	29·701	+·030	S 18 W	8·7	83·3	79·6	88·6	—0·3	91·9	79·4	—0·3	72·7	85	+1	5·7	6·79	—2·04	13	+1·5	1·34
	October	29·820	—·003	N 10 W	6·3	80·6	76·8	89·0	—0·2	92·0	77·0	—0·1	71·8	83	+1	2·9	4·45	—2·39	3	—4·1	3·70
	November	29·939	0	N 14 E	5·3	71·8	67·4	84·5	—0·4	87·9	67·9	—1·3	61·9	79	0	2·8	1·30	—2·42	3	+0·6	0·51
	December	30·016	+·008	N 23 E	4·8	66·0	63·2	80·6	—0·1	83·7	62·7	+0·6	59·0	85	+7	2·4	0	—0·30	0	—0·4	0
	Year	29·757	—·019	..	10·2	78·4	74·9	86·0	—0·3	100·2	74·8	+0·2	57·8	84	+1	4·5	48·32	—6·24	69	—1·7	3·94

MONTHLY AND ANNUAL TABLE B FOR 1927—*contd.*

Abstract of 8 hrs. observations.

Station and height of barometer above sea level in feet.	Month.	Pressure. Mean 8 h. reduced to 32° and standard gravity.	Pressure. Departure from normal.	Wind. Mean direction at 8 h.	Wind. Mean velocity in miles per hour.	Temperature. Mean 8h. Dry bulb.	Temperature. Mean 8h. Wet bulb.	Temperature. Maximum. Mean.	Temperature. Maximum. Departure from normal.	Temperature. Maximum. Highest month or year.	Temperature. Minimum. Mean.	Temperature. Minimum. Departure from normal.	Temperature. Minimum. Lowest month or year.	Humidity. Mean 8 h.	Humidity. Departure from normal.	Cloud. Mean amount 8 h.	Rainfall. Total of month or year.	Rainfall. Departure from normal.	Rainfall. Number of rainy days.	Rainfall. Departure from normal.	Rainfall. Heaviest fall in month or year.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Angul (Orissa) (455).	January	29·527	—·040	N 45 W	2·8	65·6	61·3	83·2	+1·4	88·8	59·6	+4·0	52·9	76	0	3·8	0·03	—0·43	0	—0·9	0·03
	February	·480	—·013	N 38 W	4·6	69·9	63·3	88·1	+1·5	94·3	64·4	+3·1	57·9	67	—6	4·1	0·45	—0·95	1	—1·3	0·29
	March	·378	—·015	N 10 W	4·2	75·5	68·5	95·8	+0·8	105·0	68·3	+0·7	56·4	68	+3	2·7	0·03	—0·06	0	—2·2	0·03
	April	·270	—·053	S 45 E	4·3	82·6	74·7	105·3	+3·9	109·8	76·2	+1·8	70·9	68	+2	4·0	0·47	—0·83	2	—0·7	0·34
	May	·201	—·010	S 79 E	5·7	85·5	77·6	101·7	—1·3	112·2	80·3	+1·9	72·4	68	—1	3·9	2·26	+0·28	3	—1·7	1·43
	June	·084	—·007	N 45 W	5·3	85·1	77·9	98·7	+4·8	110·7	80·8	+2·8	75·2	71	—8	7·4	7·47	—1·38	8	—5·1	3·48
	July	·046	—·042	N 45 W	5·4	81·2	77·5	88·1	—0·4	94·2	77·8	+0·5	73·9	83	0	8·5	15·83	+4·84	17	+2·6	3·02
	August	·116	—·012	N 24 W	4·7	80·2	77·1	88·4	+1·1	92·0	77·0	+0·1	72·4	86	+1	7·0	13·96	+3·16	20	+5·5	4·35
	September	·258	+·022	N 37 W	3·7	80·6	77·0	90·0	+1·2	93·0	76·7	+0·4	73·4	84	—1	10·2	5·40	—0·68	9	—1·5	2·34
	October	·387	—·003	N 60 W	2·2	76·6	71·6	89·9	+0·9	92·2	71·3	—0·1	63·4	77	—3	2·8	3·37	—0·29	4	—1·3	2·10
	November	·511	+·011	N 57 W	3·2	67·5	63·1	84·1	0	89·2	62·2	—0·2	55·4	77	+1	3·1	0·01	—1·10	0	—1·2	0·01
	December	·574	+·007	N 65 W	2·8	60·9	57·2	81·5	+1·9	84·2	56·0	+1·6	49·4	77	+2	0·9	0	—0·21	0	—0·5	0
	Year	29·319	—·015	..	4·1	75·9	70·6	91·2	+1·3	112·2	70·9	+1·4	52·9	75	—1	4·9	49·28	+1·45	64	—8·8	4·35
Bhonganj (Chota Nagpur) (725).	January	29·272	—·024	S 56 E	2·1	53·6	51·8	74·6	—1·6	82·3	48·7	+1·4	40·7	88	+4	2·8	1·22	+0·36	3	+1·2	0·56
	February	·217	—·015	S 70 E	3·3	60·0	56·3	78·1	—1·8	85·9	55·1	+3·6	46·5	78	0	3·3	2·54	+1·35	4	+1·7	0·98
	March	·103	—·034	E	3·3	66·0	59·9	87·2	—3·3	100·6	57·9	—1·5	46·9	69	+9	1·4	2·29	+1·60	3	+1·2	1·45
	April	23·992	—·081	S 71 E	3·2	81·7	64·3	100·5	—0·9	105·7	69·2	—0·9	62·7	35	—11	1·2	0	—0·41	0	—0·9	0
	May	·915	—·003	N 11 W	4·1	88·2	69·7	104·5	—1·8	112·3	76·9	—1·8	64·7	37	—12	1·4	0·35	—0·27	1	—0·4	0·13
	June	·806	+·018	S 63 W	5·6	90·8	75·3	103·0	+3·2	110·1	83·2	+2·7	75·3	46	—21	1·6	0·88	—5·74	2	—7·0	0·45
	July	·768	—·011	S 63 E	4·3	83·3	78·4	91·2	—0·3	101·9	78·9	+0·7	74·7	80	—3	4·7	15·37	+3·51	18	+3·3	2·95
	August	·849	+·019	N 45 W	3·7	81·3	77·3	87·6	—1·5	92·5	77·0	+0·1	71·8	83	—4	5·3	16·14	+2·98	17	+0·5	4·23
	September	·980	+·024	S 63 W	2·4	81·3	76·5	91·3	+1·1	95·1	76·9	+1·8	74·1	80	—4	5·6	5·16	—1·53	11	+2·1	1·61
	October	29·134	+·010	N 81 E	2·4	74·9	69·7	88·5	—1·1	92·6	68·5	+2·5	60·9	76	—4	2·9	1·09	—0·90	4	+0·8	0·40
	November	·270	+·017	N 67 E	1·9	63·2	59·9	79·4	—3·6	90·8	57·8	+3·7	48·7	82	+2	3·1	1·23	+0·86	2	+1·4	0·87
	December	·336	+·028	N 53 E	1·1	55·4	53·4	76·0	—0·6	78·1	50·6	+5·0	46·0	87	+4	1·8	0	—0·19	0	—0·4	0
	Year	29·053	0	..	3·1	73·3	66·0	88·5	—1·0	112·3	66·7	+1·4	40·7	70	—3	2·9	46·27	+1·62	65	+3·5	4·23

MONTHLY AND ANNUAL TABLE B FOR 1927—*contd.*

Abstract of 8 hrs. Observations.

Station and height of barcistern above sea level in feet.	Month.	Pressure. Mean 8h. reduced to 32° and standard gravity.	Pressure. Departure from normal.	Wind. Mean direction at 8 h.	Wind. Mean velocity in miles per hour.	Temperature. Mean 8 h. Dry bulb.	Temperature. Mean 8 h. Wet bulb.	Temperature. Maximum. Mean.	Temperature. Maximum. Departure from normal.	Temperature. Maximum. Highest in month or year.	Temperature. Minimum. Mean.	Temperature. Minimum. Departure from normal.	Temperature. Minimum. Lowest in month or year.	Humidity. Mean 8 h.	Humidity. Departure from normal.	Cloud. Mean amount 8 h.	Rainfall. Total of month or year.	Rainfall. Departure from normal.	Rainfall. Number of rainy days.	Rainfall. Departure from normal.	Rainfall. Heaviest fall in month or year.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Pusa (Bihar) (188).	January	29·798	—·054	S 59 W	1·8	50·9	49·1	74·4	—0·4	78·9	46·9	—0·9	42·0	87	—1	2·1	0·51	+0·33	1	+0·4	0·51
	February	·726	—·046	S 45 W	3·6	57·8	54·6	78·3	—0·9	84·7	53·5	+2·5	45·9	80	—1	3·[illegible]	1·47	+0·69	4	+2·4	0·68
	March	·647	—·058	S 63 E	3·0	67·0	60·0	87·0	—3·0	97·2	58·6	—0·3	47·8	65	+4	1·4	0·94	+0·46	2	+0·6	0·60
	April	·502	—·070	S 75 E	4·2	81·3	67·7	101·2	+3·4	107·7	70·8	+2·3	64·7	47	—10	1·4	0·01	—0·75	0	—1·6	0·01
	May	·475	—·003	N 72 E	4·0	83·9	75·5	99·7	+0·4	110·3	76·0	+1·5	69·9	67	0	2·6	2·14	+0·29	5	+1·9	0·78
	June	·341	—·012	N 76 E	3·9	85·8	80·3	98·7	+4·1	110·9	80·1	+2·7	74·0	78	—3	6·4	7·09	—1·79	4	—5·2	3·33
	July	·306	—·032	N 72 E	3·5	83·7	80·7	92·4	+1·3	97·5	80·3	+2·0	77·4	87	—1	8·1	12·17	+1·08	10	—4·1	3·26
	August	·374	—·014	N 86 E	3·0	83·5	81·0	90·4	+0·4	96·4	80·1	+2·1	75·9	89	+1	7·8	7·94	—7·00	13	—1·1	2·33
	September	·498	—·001	S 87 E	2·3	82·5	79·9	91·3	+0·9	95·1	79·0	+1·9	75·5	88	+2	6·1	4·71	—2·93	5	—4·4	2·81
	October	·662	—·004	S 31 E	1·6	78·2	74·8	91·1	+1·5	94·7	72·9	+2·5	67·9	85	+2	2·2	0·26	—1·23	1	—1·4	0·26
	November	·801	+·010	S 84 W	1·5	65·1	63·5	80·5	—2·9	88·5	61·4	+3·5	54·7	91	+7	3·7	1·92	+1·56	2	+1·6	0·97
	December	·865	+·012	S 60 W	1·7	56·1	55·1	77·2	+1·4	79·5	52·5	+3·7	44·5	93	+6	1·0	0	—0·10	0	—0·2	0
	Year	29·580	—·023	..	2·8	73·0	68·5	88·5	+0·5	110·9	67·7	+2·0	42·0	80	+1	3·9	39·16	—0·39	47	—11·1	3·33
Patiala (Punjab) (818).	January (b)	29·146	—·040	S 67 E	(c) 1·9	44·9	41·1	69·4	+1·3	74·1	41·0	—3·0	35·0	71	—9	2·8	0	—1·33	0	—2·6	0
	February	29·105	—·019	S 82 E	1·8	50·7	47·8	67·5	—4·1	77·9	47·5	—0·4	42·0	77	+2	3·7	1·48	+0·22	4	+1·9	0·71
	March	28·969	—·065	N 34 E	3·4	62·4	53·5	82·0	—0·8	95·3	54·6	—2·0	45·0	55	—8	1·8	2·14	+0·92	2	—0·4	1·90
	April	28·870	—·056	N 18 W	2·9	76·3	63·1	94·9	+1·1	104·6	65·3	—1·3	51·0	47	—2	2·0	0	—0·59	0	—1·5	0
	May	28·808	—·004	N 14 E	(c) 3·0	(b) 83·7	(b) 67·4	(b) 102·1	0	112·5	(b) 73·7	—2·3	67·0	(b) 43	—3	(b) 2·8	1·73	+1·04	4	+2·3	0·55
	June (d)	28·692	—·001	W	(f) 3·3	87·8	74·0	104·1	+2·8	111·5	79·4	—1·5	68·0	51	—8	4·6	0·91	—1·61	2	—1·6	0·54
	July (b)	28·699	+·026	S 47 E	(c) 2·9	84·3	78·9	94·8	—0·4	105·9	78·9	—1·0	72·0	79	+2	6·3	6·08	+0·01	13	+4·9	1·42
	August (b)	28·780	+·016	S 32 E	(c) 2·7	82·1	78·3	91·2	—1·6	96·1	78·6	—0·2	74·4	84	+3	6·9	6·18	—0·51	6	—2·2	2·50
	September	28·877	+·013	S 24 W	2·7	80·4	72·5	95·3	+2·2	100·9	73·0	—1·7	58·0	68	—6	2·1	1·37	—3·17	3	—1·5	1·05
	October	28·908	—·019	N	2·6	71·9	64·8	90·8	—0·3	96·8	65·0	+2·0	61·8	67	+3	1·2	1·60	+0·88	3	+2·1	1·15
	November (c)	29·142	—·010	S 49 E	2·3	59·5	54·8	80·5	—0·7	88·3	54·6	+3·0	46·0	73	+6	1·6	0·26	+0·11	1	+0·7	0·18
	December	29·179	—·022	S 67 E	1·9	51·0	48·8	72·0	+0·9	79·9	48·3	+4·0	40·0	84	+6	4·0	1·51	+1·18	2	+0·9	1·11
	Year	28·940	—·012	..	2·6	69·6	62·0	87·1	+0·1	112·5	63·3	—0·4	35·0	67	—1	3·3	23·26	—2·85	40	+3·1	2·50

(b) Mean of 30 days. (c) Mean of 29 days. (d) Mean of 28 days. Mean of 26 days.

MONTHLY AND ANNUAL TABLE B FOR 1927—*contd.*

Abstract of 8 hrs. Observations.

Station and height of barometer cistern above sea level in feet.	Month.	Pressure. Mean 8 h. reduced to 32° and standard gravity.	Pressure. Departure from normal.	Wind. Mean direction at 8 h.	Wind. Mean velocity in miles per hour.	Temperature. Mean 8 h. Dry bulb.	Temperature. Mean 8 h. Wet bulb.	Temperature. Maximum. Mean.	Temperature. Maximum. Departure from normal.	Temperature. Maximum. Highest in month or year.	Temperature. Minimum. Mean.	Temperature. Minimum. Departure from normal.	Temperature. Minimum. Lowest in month or year.	Humidity. Mean 8 h.	Humidity. Departure from normal.	Cloud. Mean amount 8 h.	Rainfall. Total of month or year.	Rainfall. Departure from normal.	Rainfall. Number of rainy days.	Rainfall. Departure from normal.	Rainfall. Heaviest fall in month or year.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Hansi (Punjab)	January	29·285	..	S 6 W	0·5	45·0	39·7	70·7	..	75·6	37·0	..	31·3	58	..	1·9	0	..	0	..	0
	February	29·245	..	S 45 W	0·9	49·8	46·7	70·1	..	81·6	44·1	..	36·6	78	..	4·0	0·63	..	2	..	0·29
	March	29·091	..	S 85 E	0·7	(b) 63·9	(b) 55·1	(b) 86·0	..	99·8	(b) 52·4	..	41·1	57	..	2·1	0·53	..	1	..	0·49
	April (c)	28·993	..	S 85 E	(d) 0·5	77·6	62·9	96·8	..	105·5	63·0	..	55·3	41	..	2·0	0·10	..	0	..	0·07
	May (b)	28·920	..	S 31 E	1·4	86·6	69·3	103·7	..	114·8	74·3	..	63·3	40	..	1·1	0·93	..	3	..	0·42
	June	28·816	..	S 5 W	(d) 0·8	91·8	73·4	106·4	..	114·1	79·4	..	67·9	38	..	1·4	0·34	..	2	..	0·23
	July (c)	28·772	..	N 84 E	(d) 1·8	86·1	77·5	96·8	..	108·8	79·9	..	70·6	68	..	4·1	7·40	..	8	..	2·34
	August	28·847	..	S 56 E	1·8	83·4	77·6	93·1	..	108·2	(b) 77·9	..	73·4	77	..	5·0	1·83	..	4	..	1·04
	September	28·964	..	S 21 W	1·7	80·8	71·9	96·9	..	104·1	71·5	..	63·1	63	..	1·1	1·37	..	3	..	0·63
	October	29·136	..	S 8 E	1·5	74·7	65·3	94·7	..	97·4	61·4	..	57·1	58	..	0·5	0	..	0	..	0
	November	29·273	..	S 56 E	1·1	59·0	52·5	83·5	..	92·6	49·2	..	39·6	62	..	0·9	0	..	0	..	0
	December	29·325	..	N 76 E	1·1	51·3	48·1	74·3	..	84·9	44·6	..	39·0	79	..	0·7	2·00	..	3	..	1·02
	Year	29·056	..	..	1·1	70·8	61·7	89·4	..	114·8	61·2	..	31·3	60	..	2·1	15·13	..	26	..	2·34
Jamnagar (Gujarat) (61).	January	..	..	N 43 E	6·5	58·8	50·1	76·1	—3·3	80·1	48·9	—4·8	43·1	50	—13	1·3	0	—0·05	0	—0·2	0
	February	..	..	N 29 E	9·0	65·8	56·7	80·5	—2·0	86·7	54·1	—1·6	47·1	54	—10	1·2	0·20	+0·10	1	+0·8	0·16
	March	..	..	N 77 W	9·4	71·8	63·4	90·3	+0·3	97·9	60·0	—3·4	50·1	61	—7	0·4	0	—0·02	0	—0·2	0
	April	..	..	S 61 W	12·2	80·2	71·3	93·1	—1·9	103·0	68·8	—1·5	64·7	63	—7	0·2	0	0	0	0	0
	May	..	..	S 57 W	15·0	85·9	75·9	98·1	+0·4	102·5	76·5	—0·2	72·5	61	—6	0·9	0	—0·09	0	—0·2	0
	June	..	..	S 54 W	13·1	88·1	78·2	97·6	+1·6	110·5	80·2	+0·2	75·5	63	—7	4·3	0·65	—2·16	2	—1·0	0·45
	July	..	..	S 48 W	15·0	82·2	77·7	87·7	—3·5	96·5	76·9	—1·7	72·3	81	+4	7·3	26·44	+17·95	15	+7·3	6·33
	August	..	..	S 44 W	9·8	81·2	76·2	86·8	—1·2	89·5	76·0	—0·7	74·5	78	—3	6·4	1·53	—4·12	2	—4·6	0·96
	September	..	..	S 34 W	8·5	82·4	76·3	89·7	+0·3	98·3	74·7	+0·5	70·3	75	—3	6·5	2·41	+0·24	3	+0·5	1·24
	October	..	..	N 85 W	6·4	81·9	76·7	89·9	—3·8	95·1	71·9	+1·3	63·2	78	+10	5·4	0·16	—0·80	1	+0·5	0·16
	November	..	..	N 51 E	5·9	71·5	60·9	86·0	—3·5	94·5	59·4	—3·2	51·5	51	—8	2·6	0	—0·01	0	0	0
	December	..	..	N 47 E	6·0	65·6	58·2	80·2	—1·3	88·9	56·7	+1·8	49·5	62	+6	3·0	0·10	+0·06	1	+0·9	0·10
	Year	..	..	..	9·7	76·3	68·5	88·0	—1·5	110·5	67·0	—1·1	43·1	65	—3	3·3	31·49	+11·48	25	+3·8	6·33

(b) Mean of 30 days. (c) Mean of 29 days. (d) Mean of 28 days.

MONTHLY AND ANNUAL TABLE B FOR 1927—*contd.*

Abstract of 8 hrs. Observations.

Station and height of the barcistern above sea level in feet.	Month.	PRESSURE. Mean 8 h. reduced to 32° and standard gravity.	PRESSURE. Departure from normal.	WIND. Mean direction at 8 h.	WIND. Mean velocity in miles per hour.	TEMPERATURE. Mean 8 h. Dry bulb.	TEMPERATURE. Mean 8 h. Wet bulb.	TEMPERATURE. Maximum. Mean.	TEMPERATURE. Maximum. Departure from normal.	TEMPERATURE. Maximum. Highest in month or year.	TEMPERATURE. Minimum. Mean.	TEMPERATURE. Minimum. Departure from normal.	TEMPERATURE. Minimum. Lowest in month or year.	HUMIDITY. Mean 8 h.	HUMIDITY. Departure from normal.	CLOUD. Mean amount 8 h.	RAINFALL. Total of month or year.	RAINFALL. Departure from normal.	RAINFALL. Number of rainy days.	RAINFALL. Departure from normal.	RAINFALL. Heaviest fall in month or year.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Bhavnagar Para (Gujarat) (55)	January	29·949	—·019	N 59 W	3·4	56·9	45·7	82·4	—1·7	88·6	50·4	—4·4	43·5	35	—19	1·7	0	—0·13	0	—0·1	0
	February	·939	+·009	N 50 W	4·5	63·3	53·0	85·1	—1·9	90·9	55·6	—2·2	45·9	46	—7	1·3	0	—0·08	0	—0·2	0
	March	·827	—·035	N 52 W	4·4	72·8	57·4	95·1	0	105·4	62·1	—3·7	49·7	34	—21	1·0	0	—0·10	0	—0·2	0
	April	·772	—·004	N 61 W	5·8	80·4	67·0	102·5	+0·8	107·0	70·6	—3·3	64·5	48	—8	0·8	0	—0·10	0	—0·2	0
	May	·718	+·009	S 71 W	6·8	84·6	74·2	105·5	+0·5	111·6	77·4	—0·8	70·3	60	—4	2·4	1·40	+0·96	2	+1·1	1·00
	June	·605	+·034	S 60 W	6·6	85·8	77·6	99·4	—0·2	109·0	79·9	—0·3	72·5	68	—5	6·1	3·89	—0·27	5	+0·2	2·15
	July	·507	—·033	S 47 W	7·6	81·6	76·8	89·7	—3·6	97·8	77·5	—1·1	71·7	80	+1	8·3	12·01	+5·29	14	+5·2	4·00
	August	·617	+·002	S 45 W	5·4	80·2	75·3	88·9	—2·4	92·8	76·0	—0·8	74·5	79	—2	7·9	2·88	—2·29	6	—1·8	1·83
	September	·715	—·006	S 81 W	2·9	80·9	75·6	92·6	—0·4	98·6	74·9	—0·2	71·5	77	—2	6·7	3·03	—0·30	6	+0·4	1·40
	October	·857	+·031	N 68 W	1·9	79·1	71·9	92·9	—3·3	96·2	71·8	+1·4	66·1	69	+7	3·7	1·84	+1·09	4	+3·2	0·91
	November	·939	+·025	N 39 E	2·6	69·5	61·0	85·5	—5·6	95·6	60·2	—2·8	52·1	59	+5	2·9	0·47	+0·32	1	+0·8	0·41
	December	·968	+·001	N 34 W	2·9	64·8	57·4	84·6	—0·7	87·8	57·7	+1·8	50·7	61	+7	2·5	0	—0·07	0	—0·1	0
	Year	29·784	+·001	..	4·6	75·0	66·1	92·0	—1·6	111·6	67·8	—1·4	48·5	60	—4	3·8	25·52	+4·32	38	+8·8	4·00
Hassan (Mysore) (3,149).	January	26·825	—·019	S 76 E	3·4	68·6	61·8	85·9	+3·8	89·4	59·9	+4·0	55·2	68	—6	2·2	0	—0·07	0	—0·3	0
	February	·838	+·010	S 88 E	3·9	70·0	62·0	89·0	+2·5	91·8	60·9	+2·4	53·6	64	—6	1·2	0	—0·17	0	—0·4	0
	March	·765	—·036	N 81 W	4·0	74·9	67·6	92·7	+1·5	97·0	67·1	+1·7	64·6	68	+2	2·5	0·48	+0·15	2	+1·4	0·33
	April	·769	+·010	N 73 W	5·3	75·6	69·1	95·4	+3·1	97·7	68·3	+1·6	65·2	72	+1	0·8	1·01	—1·00	5	+1·2	0·47
	May	·369	+·044	N 79 W	7·9	73·8	68·5	90·3	+1·4	97·2	67·8	+0·7	64·1	76	0	2·5	5·55	+0·86	6	+1·2	2·05
	June	·693	+·024	S 80 W	8·8	71·7	67·8	80·4	—0·1	87·6	66·4	+0·3	63·6	82	—2	5·6	3·60	—0·41	11	+0·9	0·52
	July	·688	+·017	S 86 W	9·7	69·4	66·8	76·0	—1·6	80·4	65·8	+0·5	64·1	87	0	7·6	5·37	—0·03	16	+3·7	1·07
	August	·725	+·022	W	7·7	69·3	66·7	78·2	—0·3	82·4	65·5	+0·7	63·7	87	+1	6·1	1·89	—1·77	7	—1·6	0·53
	September	·734	+·001	S 83 W	5·4	69·7	66·5	82·4	+1·7	87·2	64·9	+0·4	61·1	84	0	4·8	5·88	+1·61	8	—0·5	1·76
	October	·808	+·039	S 6 W	4·7	72·4	65·9	84·2	+2·5	88·9	63·7	—0·6	57·3	71	—11	4·1	0·02	—6·65	0	—9·4	0·02
	November	·807	+·003	S 74 E	3·1	69·3	63·7	81·5	+1·5	88·2	60·9	+0·1	54·3	73	—5	4·6	3·09	—0·29	5	—0·1	1·27
	December	8·52	+·015	S 78 E	3·4	67·8	62·5	82·8	+2·9	85·4	59·2	+2·8	55·3	74	—3	2·5	0	—0·67	0	—0·8	0
	Year	26·773	+·010	..	5·6	71·0	65·7	84·9	+1·6	97·7	64·2	+1·5	53·6	75	—3	3·7	26·89	—8·44	69	—7·1	2·05

MONTHLY AND ANNUAL TABLE B FOR 1927—*contd.*

Abstract of 8 hrs. Observations.

Station and height of the barcistern above sea level in feet.	Month.	Pressure. Mean 8 h. reduced to 32° and standard gravity.	Pressure. Departure from normal.	Wind. Mean direction at 8 h.	Wind. Mean velocity in miles per hour.	Temperature. Mean 8 h. Dry bulb.	Temperature. Mean 8 h. Wet bulb.	Temperature. Maximum. Mean.	Temperature. Maximum. Departure from normal.	Temperature. Maximum. Highest in month or year.	Temperature. Minimum. Mean.	Temperature. Minimum. Departure from normal.	Temperature. Minimum. Lowest in month or year.	Humidity. Mean 8 h.	Humidity. Departure from normal.	Cloud. Mean amount 8 h.	Rainfall. Total of month or year.	Rainfall. Departure from normal.	Rainfall. Number of rainy days.	Rainfall. Departure from normal.	Rainfall. Heaviest fall in month or year.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
P. V. Fraser (Bay Islands) (8).	January	29·978	—·042	N 24 E	..	72·6	66·7	..	..	..	..	..	..	72	—1	1·6	0·08	—0·12	0	—0·7	0·08
	February	·928	—·035	S 79 W	..	75·3	70·0	..	..	..	..	..	..	76	—2	2·5	0	—0·66	0	—1·1	0
	March	·832	—·050	S 67 W	..	78·7	73·5	..	..	..	..	..	..	77	—5	1·6	0	—0·76	0	—1·2	0
	April	·729	—·070	S 35 W	..	82·6	79·1	..	..	..	..	..	..	85	0	4·6	0·29	—0·51	1	—0·4	0·29
	May	·665	—·026	S 34 W	..	85·5	80·8	..	..	..	..	..	..	81	—4	4·2	1·43	—0·73	1	—3·0	1·43
	June	·537	—·015	S 8 W	..	85·4	81·3	..	..	..	..	..	..	83	—3	6·5	1·94	—5·98	5	—5·7	0·81
	July	·473	—·064	S 47 W	..	83·1	79·6	..	..	..	..	..	..	85	—3	8·4	17·42	+9·65	17	+6·6	4·30
	August	·564	—·011	S 34 W	..	83·0	80·1	..	..	..	..	..	..	87	—1	6·5	8·16	+0·37	12	+0·9	2·71
	September	·700	+·010	S 25 W	..	84·0	79·4	..	..	..	..	..	..	81	—5	6·9	7·01	+2·20	8	—0·3	2·40
	October	·833	—·007	N 76 W	..	83·2	78·7	..	..	..	..	..	..	81	+1	4·3	1·65	—1·84	5	+0·2	0·88
	November	·950	+·022	N 23 E	..	79·2	71·0	..	..	..	..	..	..	65	—5	3·1	0·21	—2·04	1	—1·2	0·21
	December	30·018	+·001	N 26 E	..	74·5	65·4	..	..	..	..	..	..	59	—7	2·5	0	—0·82	0	—0·3	..
	Year	29·767	—·024	..	..	80·6	75·5	..	..	..	..	..	..	78	—3	4·4	38·19	—1·29	50	—6·2	4·30
Table Island (Bay Islands). (105).	January	29·818	—·032	N 29 E	7·3	78·4	71·6	82·3	—0·5	83·9	74·1	—1·1	70·9	71	—3	4·1	0·03	—0·74	0	—0·7	0·03
	February	·817	—·008	N 2 W	7·2	79·5	73·3	85·0	+1·3	87·8	75·4	+0·3	69·1	73	—3	3·1	0	—0·12	0	—0·3	0
	March	·742	—·060	N 5 E	6·8	80·9	74·2	87·3	+0·8	90·5	75·6	—0·9	72·0	72	—6	4·8	0	—0·17	0	—0·3	0
	April	·722	—·029	S 45 W	4·5	83·9	77·1	89·9	+0·6	95·0	78·7	—0·8	73·5	72	—3	5·0	1·77	+1·14	3	+1·9	0·80
	May	·646	—·020	S 52 W	10·8	82·1	78·0	86·3	—2·5	91·0	77·3	—2·5	72·3	83	+2	6·2	17·56	+8·81	15	+4·3	5·01
	June	·630	+·019	S 32 W	15·9	81·6	78·3	84·6	—1·0	87·2	77·6	—0·3	72·5	86	—3	6·6	14·55	—0·55	13	—3·8	5·99
	July	·594	—·012	S 23 W	18·6	81·2	78·3	83·8	—0·8	85·2	77·0	—0·3	73·4	88	—3	6·5	17·37	+3·83	21	+3·4	4·91
	August	·640	+·002	S 33 W	16·9	80·8	78·1	83·8	—0·4	85·2	77·3	—0·2	73·0	88	—2	7·0	7·44	—4·03	18	+1·8	1·56
	September	·697	+·030	S 28 W	7·1	81·6	77·8	85·0	+0·6	87·0	78·2	+1·0	72·0	84	—4	7·1	7·36	—3·98	7	+8·6	5·04
	October	(a)·734	—·002	S 50 W	7·7	81·0	77·4	84·6	—0·8	86·0	77·5	—0·3	73·0	85	+1	6·4	8·81	+2·32	9	—1·2	2·16
	November	(b)·767	—·008	N 50 E	(c) 8·3	(c) 79·7	(c) 75·1	(c) 82·9	—2·0	84·5	(c) 76·4	—1·4	73·2	(c) 80	—1	(b) 7·3	(e) 7·37	+1·72	3	—3·8	0·56
	December	·823	+·009	N 27 E	7·2	78·2	72·0	81·2	—2·1	84·4	74·3	—2·3	70·0	73	—2	4·7	1·92	—0·45	2	—0·3	1·81
	Year	29·719	—·009	..	9·9	80·7	75·9	84·7	—0·6	95·0	76·6	—0·7	69·1	79	—2	5·7	84·18	+7·81	91	—7·6	5·99

(a) Mean of 19 days. (b) Mean of 16 days. (c) Mean of 15 days. (d) Total of 11 days. (e) Total of 19 days.

MONTHLY AND ANNUAL TABLE B FOR 1927—*contd.*

Abstract of 8 hrs. Observations.

Station and height of the barometer above sea level in feet.	Month.	Pressure. Mean 8 h. reduced to 32° and standard gravity.	Pressure. Departure from normal.	Wind. Mean direction at 8 h.	Wind. Mean velocity in miles per hour.	Temperature. Mean 8 h. Dry bulb.	Temperature. Mean 8 h. Wet bulb.	Temperature. Maximum. Mean.	Temperature. Maximum. Departure from normal.	Temperature. Maximum. Highest in month or year.	Temperature. Minimum. Mean	Temperature. Minimum. Departure from normal.	Temperature. Minimum. Lowest in month or year.	Humidity. Mean 8 h.	Humidity. Departure from normal.	Cloud. Mean amount 8 h.	Rainfall. Total of month or year.	Rainfall. Departure from normal.	Rainfall. Number of rainy days.	Rainfall. Departure from normal.	Rainfall. Heaviest fall in month or year.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Muzaffarabad (Kashmir) (2,343).	January	27·603	—·077	S	1·3	38·8	37·1	57·8	—3·5	71·7	35·9	—1·8	31·5	85	+16	5·8	3·65	+0·08	5	—1·3	1·16
	February	·581	—·016	S 14 W	1·5	41·4	39·5	55·6	—5·7	64·6	37·5	—3·3	33·6	84	+15	5·7	5·24	+1·21	9	+3·1	1·54
	March	·500	—·047	S 23 W	2·7	50·6	45·6	69·1	+0·8	84·4	45·3	—1·4	33·1	68	0	3·9	5·36	—0·54	9	+0·5	2·20
	April	·432	—·030	S 18 W	2·0	62·9	54·8	81·0	+3·4	99·7	55·7	+1·4	47·3	59	—6	3·5	1·98	—3·07	5	—3·6	0·73
	May	·376	+·015	S 31 W	2·3	69·5	60·6	87·8	—1·9	104·4	61·1	—2·2	52·9	60	+6	2·5	2·81	+0·56	8	+4·3	0·77
	June	·272	+·074	S 18 W	2·4	80·4	63·6	98·8	+1·1	106·5	69·8	—2·5	59·9	38	—13	1·2	0·51	—2·85	3	—3·1	0·20
	July	·195	+·034	S 18 W	1·5	79·5	72·4	95·1	+0·3	107·4	73·1	—0·5	60·3	72	+5	3·7	19·89	+9·90	14	+2·1	3·75
	August	·232	+·022	S 27 W	1·0	77·7	72·7	90·3	—0·5	97·8	72·7	+0·5	65·4	79	+1	4·2	9·98	—0·03	10	—2·8	2·24
	September	·366	+·009	S 27 W	0·8	71·7	64·7	91·2	+1·2	95·6	65·4	—0·8	53·6	68	—2	2·3	1·19	—2·61	5	—0·9	0·35
	October	·529	+·009	S 25 W	0·8	65·0	57·1	88·6	+4·2	92·6	58·6	+3·1	55·9	60	—1	0·1	0	—1·54	0	—2·4	0
	November	·645	+·025	S 45 W	0·5	51·6	46·5	77·3	+2·3	84·4	47·1	+2·3	39·5	67	+6	1·3	0·16	—0·44	1	—0·5	0·13
	December	·681	+·029	Calm	0·5	46·5	44·1	63·8	+0·8	77·5	42·5	+4·5	35·4	84	+13	4·8	2·16	—0·15	5	+0·6	0·55
	Year	27·451	+·004	..	1·4	61·3	54·9	79·7	+0·1	107·4	55·4	—0·1	31·5	69	+4	3·3	52·93	+0·52	74	—4·0	3,75
Sibi (Baluchistan) (441)	January	29·632	..	N 27 W	(b) 0·8	46·2	(c) 40·3	68·7	..	75·0	38·6	..	27·1	(c) 45	..	3·6	0	..	0	..	0
	February	·521	..	N 45 W	1·0	55·7	47·9	73·0	..	81·0	47·8	..	40·3	53	..	2·0	0·18	..	1	..	0·17
	March	·418	..	N 30 W	2·0	71·5	57·0	88·4	..	100·8	60·1	..	40·1	35	..	1·1	0	..	0	..	0
	April	·265	..	N 56 W	1·7	85·5	63·1	99·5		108·6	70·9	..	60·3	23	..	3·0	0	..	0	..	0
	May	·160	..	N 56 W	3·5	96·0	67·8	110·1	..	119·9	81·2	..	74·1	19	..	0·4	0	..	0	..	0
	June	·094	..	S 14 W	2·1	95·1	72·8	111·1	..	116·8	87·1	..	79·1	31	..	0·2	0	..	0	..	0
	July	·001	..	S 24 E	2·5	93·7	78·9	108·6	..	116·9	88·8	..	70·9	51	..	2·3	1·58	..	5	..	0·55
	August	·063	..	S 14 E	2·2	89·6	77·4	103·7	..	111·2	84·2	..	47·3	56	..	1·5	0·35	..	1	..	0·35
	September	·243	..	S 22 E	1·2	85·9	70·0	103·5	..	108·0	78·8	..	70·3	43	..	0·7	0	..	0	..	0
	October	·397	..	Calm	0·4	78·1	60·4	98·2	..	102·1	65·7	..	57·7	30	..	0·1	0	..	0	..	0
	November	·542	..	Calm	0·2	63·3	51·0	87·1	..	95·8	52·8	..	43·3	36	..	0·9	0	..	0	..	0
	December	·605	..	N 45 E	0·9	54·8	47·1	75·9	..	85·2	47·6	..	39·1	52	..	3·6	0·49	..	1	..	0·36
	Year	29·826	..	..	1·5	76·3	61·1	94·0	..	119·9	67·0	..	27·1	39	..	1·6	2·60	..	8	..	0·55

(b) Mean of 30 days. (c) Mean of 27 days.

MONTHLY AND ANNUAL TABLE B FOR 1927—*contd.*

Abstract of 8 hrs. Observations.

Station and height of the barcistern above sea level in feet.	Month.	Pressure. Mean 8h. reduced to 32° and standard gravity.	Pressure. Departure from normal.	Wind. Mean direction at 8 h.	Wind. Mean velocity in miles per hour.	Temperature. Mean 8 h. Dry bulb.	Temperature. Mean 8 h. Wet bulb.	Temperature. Maximum. Mean.	Temperature. Maximum. Departure from normal.	Temperature. Maximum. Highest in month or year.	Temperature. Minimum. Mean.	Temperature. Minimum. Departure from normal.	Temperature. Minimum. Lowest in month or year.	Humidity. Mean 8 h.	Humidity. Departure from normal.	Cloud. Mean amount 8 h.	Rainfall. Total of month or year.	Rainfall. Departure from normal.	Rainfall. Number of rainy days.	Rainfall. Departure from normal.	Rainfall. Heaviest fall in month or year.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Extra India.																					
Trincomalee (Ceylon) (99)	January	29·784	—·048	N 54 E	(b) 5·6	76·5	73·8	83·1	+0·2	86·9	75·2	+0·9	70·4	87	+2	5·2	5·33	—0·42	10	+2·5	2·05
	February	·803	—·014	S 10 E	5·2	76·7	74·3	86·1	+0·2	89·3	75·5	+0·8	71·5	89	+5	5·7	5·00	+3·11	7	+4·6	1·56
	March	·721	—·022	S 53 W	3·7	77·7	75·6	87·7	—1·5	94·0	76·0	+0·1	68·8	90	+5	5·7	7·36	+5·74	13	+10·6	1·74
	April	·699	+·010	S 58 W	3·2	78·9	76·1	92·5	—0·2	97·0	77·3	—0·3	75·2	87	+3	4·4	1·77	—0·07	5	+2·1	0·56
	May	·662	+·024	S 72 W	7·1	79·0	75·6	91·2	—2·7	95·5	77·6	—0·8	70·2	85	+4	5·7	6·53	+4·07	7	+3·6	2·54
	June	·643	+·027	S 67 W	8·1	79·3	75·1	92·1	—0·3	96·0	78·1	—0·2	75·1	81	+1	5·7	1·64	+0·10	2	+0·2	1·34
	July	·649	+·024	S 66 W	7·3	78·8	74·0	93·5	+1·5	97·2	77·7	+0·3	75·6	79	—1	6·3	1·04	—0·87	1	—1·4	1·04
	August	·681	+·025	S 66 W	5·9	78·1	73·8	93·6	+1·0	97·4	76·9	0	73·3	81	+1	5·0	2·33	—1·86	5	0	0·76
	September	·783	+·012	S 64 W	4·1	74·6	73·8	92·3	+0·6	97·7	76·3	—0·2	72·7	82	+1	6·3	1·89	—2·73	2	—4·1	0·91
	October	·770	+·06[illegible]	S 60 W	3·4	77·6	74·1	90·9	+1·5	95·0	75·6	+0·2	72·4	80	—6	4·3	2·05	—5·54	6	—4·7	0·73
	November	·773	+·034	S 78 W	4·7	76·4	74·3	85·4	—0·3	96·7	74·6	0	69·5	90	+2	6·3	10·82	—3·46	14	+0·2	2·07
	December	·815	+·046	N 27 E	6·4	77·7	74·6	83·7	+0·7	87·0	75·9	+1·7	73·1	86	—1	5·5	9·20	—4·70	11	—2·9	2·50
	Year	29·724	+·016	..	5·4	77·6	74·6	89·3	0	97·7	76·4	+0·2	68·8	85	+2	5·5	54·96	—6·63	83	+10·7	2·54

(b) Mean of 30 days.

MONTHLY AND ANNUAL TABLE B FOR 1927—*contd.*

Abstract of 8 hrs. Observations.

Station and height of the barometer above sea level in feet.	Month.	Pressure. Mean 8h., reduced to 32° and standard gravity.	Pressure. Departure from normal.	Wind. Mean direction at 8h.	Wind. Mean velocity in miles per hour.	Temperature. Mean 8 h. Dry bulb.	Temperature. Mean 8 h. Wet bulb.	Temperature. Maximum. Mean.	Temperature. Maximum. Departure from normal.	Temperature. Maximum. Highest month or year.	Temperature. Minimum. Mean.	Temperature. Minimum. Departure from normal.	Temperature. Minimum. Lowest month or year.	Humidity. Mean 8 h.	Humidity. Departure from normal.	Cloud. Mean amount 8 h.	Rainfall. Total of month or year.	Rainfall. Departure from normal.	Rainfall. Number of rainy days.	Rainfall. Departure from normal.	Rainfall. Heaviest fall in month or year.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Hambontota (Ceylon) (61)	January	29·800	—·051	N 22 E	8·4	73·5	71·5	84·2	—0·2	87·5	73·0	+0·8	70·1	90	0	5·4	3·59	+0·47	9	+3·3	0·95
	February	·829	—·019	N 17 E	7·3	73·6	71·9	84·4	—1·4	88·5	73·1	+1·5	68·3	91	+2	4·3	2·83	+1·68	3	+0·3	1·52
	March	·750	—·073	N 1 W	5·4	75·3	73·6	85·5	—1·5	89·1	74·6	+0·5	71·2	92	+2	6·1	10·18	+6·56	10	+4·9	2·12
	April	·744	—·033	N 58 W	6·2	77·3	75·0	88·0	—0·3	92·5	76·4	+0·7	73·2	89	—1	3·9	2·21	—1·25	4	—1·9	0·73
	May	·742	+·007	S 87 W	10·0	78·2	76·0	85·7	—2·2	90·6	77·1	—0·3	73·2	91	+2	6·2	5·91	+2·74	11	+5·4	2·59
	June	·736	+·013	S 80 W	10·7	77·9	75·9	85·2	—2·4	92·3	76·8	—0·3	74·4	90	+1	5·1	2·66	+0·50	6	+0·1	0·84
	July	·727	—·005	S 80 W	10·2	77·1	74·2	88·5	+1·2	93·7	76·0	—0·4	73·4	87	—2	5·5	0·92	—1·52	4	—1·3	0·33
	August	·757	—·001	S 78 W	10·6	77·8	74·9	87·2	—0·1	92·4	76·7	+0·4	73·4	86	—3	4·6	1·85	+0·54	4	+1·0	0·80
	September	(c) ·752	—·016	N 86 W	(d) 9·4	77·1	74·4	87·4	+0·5	92·4	75·8	—0·2	72·2	88	—1	5·6	9·22	+7·29	9	+4·7	2·62
	October	·825	+·029	N 64 W	7·5	76·5	74·0	86·7	—0·1	89·2	75·2	0	72·2	81	—1	4·7	1·03	—2·88	3	—4·5	0·35
	November	·808	+·029	N 16 W	5·2	75·2	73·1	86·6	+0·7	91·1	74·3	+0·2	72·5	90	0	5·7	4·88	—0·31	9	+0·6	2·01
	December	·833	+·014	N 22 E	7·7	74·4	72·3	84·9	+0·7	88·3	73·4	+0·9	69·8	89	—2	5·3	3·72	—2·08	7	—2·5	0·75
	Year	29·775	—·010	..	8·2	76·2	73·9	86·2	—0·4	93·7	75·2	+0·3	68·3	89	0	5·2	49·00	+11·74	79	+10·1	2·62
Minicoy (Arabian Sea) (7)	January	29·885	—·037	N 22 E	2·9	82·4	75·9	86·2	+0·5	88·3	75·3	..	71·1	73	—4	5·3	4·26	+2·38	7	+4·3	1·58
	February	·910	—·008	N 8 E	2·8	82·9	75·5	86·9	+0·6	88·3	75·0	..	71·4	69	—7	4·0	0·58	—0·07	2	+0·9	0·41
	March	·831	—·060	N 15 W	2·5	83·8	77·4	87·7	0	90·2	77·6	..	73·1	74	0	5·7	1·60	+0·56	3	+1·4	1·06
	April	·832	—·014	N 45 W	3·7	85·2	77·6	89·5	+0·1	92·4	78·3	..	72·6	70	—4	4·9	1·59	—1·03	5	+1·4	0·5
	May	·849	+·021	N 73 W	6·8	83·9	77·5	88·4	—0·5	91·8	79·1	..	74·1	75	—2	4·8	9·01	+2·62	10	+1·4	2·96
	June	·828	+·012	S 84 W	10·7	82·7	78·3	85·8	—0·4	89·1	77·2	..	72·6	82	0	5·9	7·13	—4·78	16	—1·3	1·95
	July	·835	+·006	N 83 W	8·7	82·2	77·5	85·7	+0·2	88·2	76·4	..	71·1	80	—2	6·6	7·84	—0·96	14	+0·1	2·75
	August	·863	+·009	N 77 W	6·5	81·9	76·7	86·4	+0·8	88·8	77·4	..	72·1	78	—3	5·3	1·66	—5·50	7	—4·0	0·50
	September	·835	—·038	N 58 W	5·8	81·8	76·4	86·1	+0·4	88·7	75·8	..	72·2	78	—2	4·7	10·08	+3·67	16	+5·9	3·36
	October	·908	+·035	N 51 W	3·1	82·9	76·6	86·6	+0·5	88·2	76·2	..	72·4	74	—7	3·8	2·42	—5·90	7	—4·6	0·85
	November	·894	+·008	N 38 W	4·3	82·5	75·4	86·4	+0·1	88·7	75·8	..	71·4	71	—8	4·7	1·32	—3·97	4	—3·1	0·50
	December	·917	+·011	N 47 E	2·6	82·7	76·2	87·0	+0·9	88·5	75·6	..	71·7	73	—4	4·6	1·05	—2·46	3	—1·2	0·50
	Year	29·866	—·004	..	5·0	82·9	76·7	86·9	+0·3	92·4	76·6	..	71·1	75	—3	5·0	48·54	—15·44	94	+1·2	3·3

(c) Mean of 29 days.

(d) Mean of 28 days.

MONTHLY AND ANNUAL TABLE B FOR 1927—*contd.*

Abstract of 8 hrs. Observations.

Station and height of the barcistern above sea level in feet.	Month.	Pressure. Mean 8 h. reduced to 32° and standard gravity.	Pressure. Departure from normal.	Wind. Mean direction at 8 h.	Wind. Mean velocity in miles per hour.	Temperature. Mean 8 h. Dry bulb.	Temperature. Mean 8 h. Wet bulb.	Temperature. Maximum. Mean.	Temperature. Maximum. Departure from normal.	Temperature. Maximum. Highest in month or year.	Temperature. Minimum. Mean.	Temperature. Minimum. Departure from normal.	Temperature. Minimum. Lowest in month or year.	Humidity. Mean 8 h.	Humidity. Departure from normal.	Cloud. Mean amount 8 h.	Rainfall. Total of the month or year.	Rainfall. Departure from normal.	Rainfall. Number of rainy days.	Rainfall. Departure from normal.	Rainfall. Heaviest fall in month or year.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Amini Divi (Arabian Sea) (13).	January	29·889	—·040	N 16 E	4·4	82·9	77·2	88·6	+2·5	91·2	76·6	+2·6	70·7	76	+4	3·7	0·57	—0·13	2	+0·9	0·37
	February	·903	—·020	N 2 E	4·9	83·1	75·8	89·9	+2·8	92·0	76·3	+0·3	70·9	71	—1	4·7	0	—0·08	0	—0·3	0
	March	·825	—·065	N 12 W	5·1	84·4	77·4	90·2	+0·7	93·6	78·5	+0·9	75·7	72	0	5·0	0	—0·05	0	—0·1	0
	April	·816	—0·18	N 30 W	6·2	85·7	77·6	90·7	—1·0	93·8	79·9	+0·1	76·3	68	—3	4·1	1·72	+0·22	3	+1·3	0·61
	May	·815	+·007	N 68 W	8·9	84·9	78·5	89·5	—2·0	93·6	80·6	0	74·7	74	0	6·6	2·05	—1·65	3	—1·7	0·87
	June	·771	+·004	N 84 W	13·2	82·7	78·4	86·4	—0·9	88·6	77·7	—0·4	72·7	82	0	7·4	14·47	+0·16	20	+3·5	3·40
	July	·778	—·010	N 83 W	15·3	81·9	77·4	85·1	—0·6	86·2	77·2	—0·2	74·3	81	—2	7·2	8·64	—3·36	14	—1·7	1·36
	August	·829	+·006	N 89 W	12·2	82·6	77·5	85·7	0	86·8	78·6	+1·2	75·7	79	—3	5·5	1·00	—6·65	5	—6·4	0·20
	September	·811	—·037	N 50 W	8·9	82·1	77·1	86·3	+0·5	91·6	78·3	+1·1	74·7	79	—2	6·5	5·24	—1·11	8	—2·5	1·65
	October	·894	+·037	N 47 W	5·3	82·6	76·9	87·0	+0·6	91·4	77·0	+0·2	71·1	76	—4	4·5	0·88	—4·92	3	—5·7	0·50
	November	·873	+·001	N 32 W	3·8	82·8	76·1	87·4	+0·9	91·0	75·5	0	70·5	72	—4	4·0	2·31	—0·27	6	+1·8	0·87
	December	·912	+·004	N 7 E	3·4	83·2	76·1	88·6	+2·3	90·6	75·9	+2·1	71·9	71	—1	3·1	0·12	—1·15	1	—1·0	0·12
	Year	29·843	—·011	..	7·6	83·2	77·2	87·9	+0·4	93·8	77·7	+0·7	70·5	75	—1	5·2	37·00	—18·99	65	—11·9	3·40

MONTHLY AND ANNUAL TABLE B FOR 1927—*contd.*

Abstract of 8 hrs. Observations.

Station and height of the barcistern above sea level in feet.	Month.	Pressure. Mean 8 h. reduced to 32° and standard gravity.	Pressure. Departure from normal.	Wind. Mean direction at 8 h.	Wind. Mean velocity in miles per hour.	Temperature. Mean 8 h. Dry bulb.	Temperature. Mean 8 h. Wet bulb.	Temperature. Maximum. Mean.	Temperature. Maximum. Departure from normal.	Temperature. Maximum. Highest in month or year.	Temperature. Minimum. Mean.	Temperature. Minimum. Departure from normal.	Temperature. Minimum. Lowest in month or year.	Humidity. Mean 8 h.	Humidity. Departure from normal.	Cloud. Mean amount 8 h.	Rainfall. Total of month or year.	Rainfall. Departure from normal.	Rainfall. Number of rainy days.	Rainfall. Departure from normal.	Rainfall. Heaviest fall in month or year.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Gyantse (Tibet) (13,110).	January	18·335	..	S 45 E	6·7	15·4	..	42·0	—0·2	53·2	6·4	+3·1	—4·6	..	..	0·8	0	—0·01	0	—0·1	0
	February	·295	..	S 56 E	8·7	21·6	..	40·4	—4·4	49·9	10·7	+1·8	—1·1	.	..	2·7	0·04	0	0	—0·2	0·03
	March	·335	..	S 40 E	9·4	33·3	..	53·2	+2·5	60·0	20·2	+3·6	11·4	..	..	0·6	0·05	—0·01	0	—0·3	0·03
	April	·421	..	S 67 E	7·5	38·5	..	52·2	—5·6	59·9	25·2	—0·2	15·9	..	..	3·5	0·52	+0·37	1	+0·2	0·44
	May	·475	..	S 40 E	5·1	46·0	‡ 3[illegible]·0	58·9	—6·9	71·3	3[illegible]·4	+1·1	25·9	‡ 35	—32	3·9	0·58	+0·11	2	+0·3	0·18
	June	·463	..	S 67 E	4·9	57·1	43·7	72·3	—0·3	76·0	44·1	+3·0	38·9	36	—29	2·9	0·25	—0·74	1	—3·0	0·17
	July	·494	..	S 74 E	4·2	55·1	44·8	69·7	—2·8	76·8	45·0	+1·3	38·4	50	—19	4·7	2·35	—0·16	6	—1·3	0·60
	August	·365	..	S 16 E	3·3	52·1	46·2	67·1	—3·1	74·8	44·9	+2·8	40·0	69	—3	6·3	6·08	+2·86	10	+1·3	1·39
	September	·476	..	S 45 E	3·4	49·7	46·7	65·2	—4·9	69·6	40·7	+2·0	35·4	83	+10	2·9	2·06	+0·92	5	+1·4	0·45
	October	·507	..	S 45 E	3·5	43·5	..	59·0	—4·0	68·6	31·9	+3·0	18·2	* 87	+26	0·7	0	—0·13	0	—0·4	0
	November	·508	..	S 45 E	..	27·2	..	44·6	—5·7	60·6	17·4	+3·3	7·4	..	..	1·4	0·06	—0·02	0	—0·2	0·04
	December	·495	..	S 45 W	..	17·9	..	42·3	—1·3	49·6	7·9	+3·7	1·2	..	..	0·3	0	0	0	0	0
	Year	18·431	..	..	** 5·7	38·1	..	55·6	—3·0	76·8	27·3	+2·4	—4·6	600	—7	2·6	11·99	+3·29	25	—2·3	1·39
Kashgar (a) (Eastern Turkistan) (4,255)	January	25·578	—·122	N	0·1	† 11·7	..	29·6	—4·5	41·2	4·6	—7·6	—6·9	..	..	4·5	4·50	+4·33	2	+1·2	3·59
	February	·553	—·087	N	0·3	22·8	..	40·2	—3·0	47·2	17·0	—2·8	2·1	..	..	1·9	0	—0·17	0	—0·5	0
	March	·430	—·130	N 45 W	0·8	38·1	‡ 37·0	55·3	—2·2	68·2	(n) 38·0	+2·9	30·0	‡ 73	+16	3·8	0	—0·31	0	—0·7	0
	April	·417	—·093	N	1·0	56·8	(b) 51·3	75·1	+3·1	99·2	47·8	—0·7	35·0	(b) 67	+20	2·3	0	—0·24	0	—0·9	0
	May	·427	—·073	N	1·2	65·8	62·5	85·4	+3·4	97·7	56·9	—1·0	37·8	84	+38	2·5	0·09	—0·56	0	—1·2	0·09
	June	·341	—·069	N 23 W	1·5	74·2	62·1	90·3	+0·5	97·4	61·9	—2·2	49·0	51	+7	1·9	0	—0·27	0	—0·8	0
	July	·289	—·081	N	0·6	77·1	65·2	95·8	+3·3	108·7	65·8	—1·9	57·3	54	+5	1·1	0·62	+0·38	2	+1·2	0·49
	August	·312	—·138	N 34 W	0·5	74·0	65·0	95·3	+4·8	102·2	66·2	+0·5	58·3	62	+8	2·2	0	—0·53	0	—1·6	0
	September	·439	—·131	N	0·6	65·0	58·8	86·7	+2·9	97·2	54·7	—2·3	46·0	70	+15	1·1	0	—0·27	0	—0·7	0
	October	·593	—·087	N 45 E	0·1	52·6	45·9	76·3	+5·4	86·7	42·5	—0·2	37·2	61	+4	2·0	0	—0·02	0	—0·1	0
	November	·647	—·083	N	0·4	33·7	..	57·2	+3·9	83·2	28·2	—0·3	22·0	(p) 65	—2	2·1	0	—0·15	0	—1·1	0
	December	·604	—·146	E	0	22·9	..	37·2	—0·1	48·8	18·7	+2·0	11·8	..	..	4·3	0·50	+0·36	1	+0·6	0·50
	Year	25·469	—·101	..	0·6	49·6	..	68·7	+1·5	108·7	(d) 42·2	—0·8	—6·9	(p) 65	+6	2·5	5·71	+2·55	5	—4·6	3·50

(a) Aneroid.

† Mean of 28 days.
(*) Mean of 23 days.

‡ Mean of 24 days.
(n) Mean of 10 days.
(b) Mean of 29 days.

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

(o) Mean of 6 months.
(p) Mean of 8 months.
(v) Mean of 11 days.

MONTHLY AND ANNUAL TABLE B FOR 1927—*concld.*

Abstract of 8 hrs. Observations.

Station and height of the barcistern above sea level in feet.	Month.	Pressure. Mean 8 h. reduced to 32° and standard gravity.	Pressure. Departure from normal.	Wind. Mean direction at 8 h.	Wind. Mean velocity in miles per hour.	Temperature. Mean 8 h. Dry bulb.	Temperature. Mean 8 h. Wet bulb.	Temperature. Maximum. Mean.	Temperature. Maximum. Departure from normal	Temperature. Maximum. Highest in month or year.	Temperature. Minimum. Mean.	Temperature. Minimum. Departure from normal.	Temperature. Minimum. Lowest in month or year.	Humidity. Mean 8 h.	Humidity. Departure from normal.	Cloud. Mean amount 8 h.	Rainfall. Total of month or year.	Rainfall. Departure from normal.	Rainfall. Number of rainy days.	Rainfall. Departure from normal.	Rainfall. Heaviest fall in month or year.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Aden (Arabia) (94).	January	29·916	0	N 54 E	8·3	73·5	67·3	81·8	+1·9	84·0	71·7	—0·9	65·1	71	—5	4·6	0	—0·32	0	—0·8	0
	February	·852	—·034	N 60 E	11·3	76·0	70·9	83·4	+2·6	89·2	74·9	+1·6	73·7	76	—1	4·3	0	—0·19	0	—0·4	0
	March	·821	—·006	N 56 E	9·2	75·2	70·3	86·5	+3·1	92·0	73·4	—1·9	70·1	78	+1	2·9	0	—0·48	0	—0·6	0
	April	·746	—·025	N 47 E	10·8	78·7	73·9	86·9	—1·3	94·5	76·9	—1·1	71·1	79	+3	4·5	3·87	+3·69	4	+3·7	2·60
	May	·713	+·010	N 57 E	6·7	83·8	78·3	93·7	+1·0	98·5	81·4	—0·1	78·3	77	+1	4·2	0	—0·13	0	—0·3	0
	June	·607	+·020	N 81 E	5·1	87·2	81·1	94·5	—0·4	97·1	85·4	+1·3	82·9	76	+4	2·9	0	—0·06	0	—0·1	0
	July	·545	—·006	S 76 E	5·6	84·1	77·7	93·3	—0·2	96·9	82·0	—0·7	77·1	74	+2	3·0	0·23	+0·20	2	+2·0	0·12
	August	·591	+·013	N 80 E	5·3	84·9	79·9	92·5	+0·4	99·2	82·9	+2·2	77·3	80	+6	4·1	0	—0·12	0	—0·3	0
	September	·649	—·016	S 79 E	4·2	86·4	80·1	94·1	+0·9	97·0	84·4	+2.0	80·1	75	—2	3·8	0	—0·15	0	—0·3	0
	October	·813	+·010	N 49 E	8·3	81·5	75·2	91·8	+2·2	96·1	78·4	+0·5	74·1	74	+2	3·1	0	—0·09	0	—0·2	0
	November	·869	—·009	(a) N 49 E	(b) 9·4	76·9	71·3	87·3	+2·6	92·0	74·8	+0·2	71·7	75	+2	3·0	0	—0·08	0	—0·1	0
	December	·879	—·040	N53 E	10·6	76·8	71·2	84·7	+3·6	87·3	75·2	+2·1	69·6	75	+1	6·8	0	—0·11	0	—0·2	0
	Year	29·750	—·007	..	7·9	80·4	74·8	89·2	+1·4	99·2	78·5	+0·5	65·1	76	+1	3·9	4·10	+2·16	6	+2·4	2·60
Zanzibar (East Africa) (72).	January	29·828	—·017	N 26 E	7·2	82·1	77·7	86·6	+0·4	89·1	80·0	+0·5	77·5	81	0	6·9	0·13	—2·70	0	—4·9	0·07
	February	·833	—·010	N 34 E	5·9	83·8	77·4	88·7	+1·8	92·7	81·2	+1·3	76·2	74	—5	6·6	1·43	—0·77	1	—2·6	1·43
	March	·823	—·015	S 76 W	4·1	81·7	77·6	85·9	—0·9	90·2	78·0	—1·4	71·6	82	0	7·8	11·36	+5·30	14	+5·6	2·05
	April	·847	—·016	S 40 W	5·1	80·6	77·3	85·4	+0·9	88·9	78·3	+0·9	75·5	85	—1	6·9	10·58	—3·49	10	—5·1	3·45
	May	·950	+·022	S 34 W	6·5	78·4	74·9	83·0	+0·2	86·1	75·7	—0·1	72·6	84	—2	7·1	10·72	+0·18	16	+4·5	2·13
	June	30·010	+·018	S 39 W	(a) 8·0	75·8	71·5	81·4	—0·4	83·6	74·2	0	72·2	81	—3	5·9	0·48	—1·43	2	—1·4	0·26
	July	·046	+·027	S 25 W	8·0	74·5	72·1	79·7	—1·0	81·7	72·4	—0·4	69·3	89	+4	6·9	0·94	—1·42	2	—2·9	0·38
	August	·015	+·002	S 25 W	5·3	75·2	71·6	80·9	—0·2	83·8	72·8	+0·1	70·6	83	—1	7·2	1·14	—0·53	3	—1·2	0·44
	September	29·993	0	S 17 W	4·5	76·8	72·8	83·4	+1·0	85·4	73·4	—0·2	71·2	82	—1	6·5	3·48	+1·37	8	+3·0	0·96
	October	·958	+·010	S 20 E	4·1	78·4	74·1	83·1	—0·3	86·0	74·5	—0·7	72·8	81	—1	7·1	10·68	+7·08	13	+7·2	4·09
	November	·909	+·018	S 45 W	(a) 3·0	80·7	76·0	84·7	+0·2	87·2	77·0	—0·3	74·6	80	—2	6·5	7·73	+0·20	9	—1·6	2·65
	December	·858	+·003	N 5 E	3·4	81·9	77·4	85·1	—0·8	88·0	78·2	—1·0	71·8	81	0	8·1	12·50	+7·20	15	+6·7	2·55
	Year	29·923	+·004	..	5·4	79·2	75·0	84·0	+0·1	92·9	76·3	—0·1	69·3	82	—1	7·0	71·17	+10·99	93	+7·3	4·09

(a) Mean of 29 days. (b) Mean of 28 days.

Table C.—Abstract of observations taken at 8 hrs. at 19 fourth class stations, in the year 1927.

MONTHLY AND ANNUAL TABLE C FOR 1927.

Abstract of 8 hrs. observations.

STATION.	Month.	Wind. Mean direction at 8 h.	Wind. Mean velocity in miles per hour.	Temperature. Mean 8 h. Dry bulb.	Temperature. Mean 8 h. Wet bulb.	Temperature. Maximum. Mean.	Temperature. Maximum. Departure from normal.	Temperature. Maximum. Highest in month or year.	Temperature. Minimum. Mean.	Temperature. Minimum. Departure from normal.	Temperature. Minimum. Lowest in month or year.	Humidity. Mean 8 h.	Humidity. Departure from normal.	Cloud. Mean amount 8 h.	Rainfall. Total of month or year.	Rainfall. Departure from normal.	Rainfall. Number of rainy days.	Rainfall. Departure from normal.	Rainfall. Heaviest fall in month or year.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Lumding (Assam)	January	..	..	53·3	52·6	71·3	—3·2	77·9	49·1	+1·2	42·8	96	+1	..	1·13	+0·71	3	+2·1	0·63
	February	..	..	55·5	54·5	73·[illegible]	—4·8	78·2	50·5	+0·2	40·5	94	+3	..	1·73	—0·16	6	+2·3	0·45
	March	..	..	62·4	60·0	82·6	—2·5	92·9	55·6	—1·9	41·1	87	+4	..	0·39	—2·19	1	—4·0	0·25
	April	..	..	73·6	69·7	88·6	+1·5	96·2	66·8	+2·3	60·9	82	+2	..	8·89	+4·77	11	+1·4	3·25
	May	..	..	75·4	72·7	87·8	—2·3	94·6	70·6	0	63·9	87	+5	..	2·87	—2·87	11	+1·3	0·55
	June	..	..	80·5	77·5	90·3	—0·5	95·6	75·9	+1·5	73·9	87	+5	..	6·82	—1·13	12	0	1·94
	July	..	..	80·3	78·1	89·3	—2·0	95·2	77·1	+2·0	73·2	91	+6	..	9·76	+1·15	17	+4·0	2·81
	August	..	..	80·0	77·7	88·9	—1·8	93·3	76·1	—0·2	70·5	90	+3	..	6·07	—1·30	9	—2·4	1·45
	September	..	..	77·5	76·0	85·6	—4·1	91·0	74·6	0	69·2	93	+4	..	8·80	+1·87	16	+5·4	1·22
	October	..	..	73·8	72·4	83·9	—1·9	88·5	70·2	+0·5	62·1	93	+2	..	2·67	—1·63	7	+1·2	0·95
	November	..	..	63·0	62·5	78·4	—1·8	83·0	58·9	—0·6	51·4	97	+2	..	1·38	+0·69	2	+0·6	0·74
	December	..	..	54·9	54·7	72·5	—2·1	76·4	51·3	+0·9	46·2	98	+3	..	0	—0·41	0	—1·3	..
	Year	..	..	69·2	67·4	82·7	—2·1	96·2	64·7	+0·5	40·5	91	+3	..	50·51	—0·50	95	+10·6	[illegible]
Mesen Salona (Assam)	January	..	..	[illegible]	[illegible]	76·1	[illegible]	[illegible]	[illegible]	+3·9	32·8	[illegible]	+10	..	2·38	[illegible]	2	+0·7	1·64
	February	..	..	60·2	56·3	76·0	—4·5	86·2	52·4	+3·1	43·8	[illegible]	+2	..	1·33	+1·04	6	+2·7	0·68
	March	..	..	66·5	61·1	82·4	—4·5	91·8	56·3	0	44·7	72	—1	..	1·94	—0·67	6	+0·7	1·03
	April	..	..	73·9	68·6	87·1	—1·6	93·2	65·8	+2·6	63·1	75	—1	..	7·62	+1·80	12	+0·3	1·56
	May	..	..	77·7	73·2	88·6	—2·9	96·3	70·3	+1·2	65·8	80	+3	..	10·67	+2·61	14	+0·6	1·80
	June	..	..	82·5	78·4	90·8	—2·0	96·0	75·8	+1·4	73·5	83	+3	..	11·42	—1·80	20	+2·3	1·24
	July	..	..	83·4	79·2	92·1	—1·1	99·5	76·8	+1·3	74·1	83	0	..	12·07	—5·90	15	—5·2	3·46
	August	..	..	82·9	79·1	91·3	—2·4	96·7	76·7	+1·3	74·5	84	+1	..	14·87	—1·97	20	+1·0	2·26
	September	..	..	80·0	77·0	88·5	—4·9	95·3	74·6	+0·5	71·4	87	+5	..	14·58	+3·81	21	+6·6	2·23
	October	..	..	79·8	74·4	88·7	—1·9	93·6	69·8	+1·6	61·0	77	—2	..	1·94	—3·04	6	—1·6	0·56
	November	..	..	69·4	65·3	83·2	—3·1	88·8	57·9	+0·9	50·9	79	+2	..	0·53	+0·02	2	+0·8	0·42
	December	..	..	58·6	55·8	77·5	—3·0	82·7	47·8	+0·9	41·1	80	+4	..	0	—0·44	0	—1·2	..
	Year	..	..	72·7	68·6	85·2	—2·9	99·5	64·5	+1·6	41·1	81	+2	..	80·35	—2·75	124	+7·9	3·46
Brahmanbaria (Bengal)	January	..	..	63·8	59·2	79·3	+0·1	81·6	50·0	—2·6	47·9	74	—7	..	0·63	+0·41	3	+2·3	0·24
	February	..	..	66·2	61·8	83·3	+1·3	85·6	51·9	—3·6	50·1	77	—1	..	0·74	—0·62	2	—0·2	0·57
	March	..	..	68·0	64·3	88·2	—0·7	94·0	59·4	—4·7	50·9	81	+4	..	2·32	—1·40	3	—1·4	1·08
	April	..	..	72·1	68·0	92·5	+1·8	94·6	64·5	—5·1	63·1	80	+1	..	7·42	—0·23	7	—1·4	1·80
	May	..	..	73·3	69·8	95·3	+4·4	98·6	66·8	—6·9	62·1	83	+3	..	8·82	—3·14	10	—1·7	2·28
	June	..	..	75·3	72·2	93·2	+4·0	98·3	68·4	—6·8	64·4	86	+3	..	7·19	—9·34	15	—1·4	1·31
	July	..	..	80·9	77·1	91·7	+2·8	94·2	73·4	—2·9	71·1	83	—1	..	8·96	—2·75	17	+0·7	3·50
	August	..	..	81·9	78·7	92·7	+3·9	97·6	76·2	—0·3	73·3	87	+3	..	12·79	+0·51	16	—1·2	5·28
	September	..	..	81·9	76·6	90·8	+0·8	95·0	73·5	—3·0	71·4	78	—5	..	13·32	+3·58	17	+3·9	2·50
	October	..	..	81·7	79·0	89·0	+0·3	91·3	76·1	+2·8	73·1	88	+8	..	2·55	—3·71	5	—1·9	0·76
	November	..	..	75·2	72·8	82·1	—3·6	86·8	70·7	+6·6	66·1	89	+13	..	0·90	+0·20	1	—0·1	0·87
	December	..	..	67·4	64·7	77·7	—2·7	80·3	59·6	+5·4	51·9	86	+9	..	0	—0·31	0	—0·7	..
	Year	..	..	74·0	70·4	88·0	+1·0	98·6	65·9	—1·8	47·9	83	+3	..	65·64	—16·80	96	—3·1	5·28

MONTHLY AND ANNUAL TABLE C FOR 1927—*contd.*

Abstract of 8 hrs. observations.

STATION.	Month.	WIND. Mean direction at 8 h.	WIND. Mean velocity in miles per hour.	TEMPERATURE. Mean 8 h. Dry bulb.	TEMPERATURE. Mean 8 h. Wet bulb.	TEMPERATURE. Maximum. Mean.	TEMPERATURE. Maximum. Departure from normal.	TEMPERATURE. Maximum. Highest in month or year.	TEMPERATURE. Minimum. Mean.	TEMPERATURE. Minimum. Departure from normal.	TEMPERATURE. Minimum. Lowest in month or year.	HUMIDITY. Mean 8 h.	HUMIDITY. Departure from normal.	CLOUD. Mean amount 8 h.	RAINFALL. Total of the month or year.	RAINFALL. Departure from normal.	RAINFALL. Number of rainy days.	RAINFALL. Departure from normal.	RAINFALL. Heaviest fall in month or year.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Goalundo (Bengal)	January	..	..	62·7	59·1	76·5	+3·1	82·1	52·8	+1·9	41·4	80	0	..	1·88	+1·67	4	+3·3	0·75
	February	..	..	64·3	59·9	80·6	−1·3	87·5	54·0	+0·6	44·0	77	+1	..	0·99	−0·40	3	+0·6	0·44
	March	..	..	73·0	65·4	89·5	−1·8	101·7	59·2	−2·7	46·0	66	−8	..	1·38	−0·95	1	−2·8	1·31
	April	..	..	80·6	76·6	98·2	+3·6	102·1	74·1	+3·0	67·4	83	+5	..	1·62	−2·65	5	−1·1	0·90
	May	..	..	81·1	77·0	92·0	−0·0	98·5	73·6	−0·2	65·4	82	+2	..	10·77	+2·48	11	+1·1	1·93
	June	..	..	83·8	80·7	91·0	+1·1	97·5	77·3	+1·0	71·0	87	+2	..	8·64	−4·20	12	−4·4	1·90
	July	..	..	83·5	80·8	89·5	+1·1	91·5	78·3	+1·0	75·0	88	+2	..	4·26	−7·44	12	−4·5	0·85
	August	..	..	83·6	79·8	88·8	+0·4	93·1	78·7	+1·1	74·0	84	−1	..	4·01	−7·86	12	−4·9	1·60
	September	..	..	83·1	79·2	89·5	0	92·5	77·7	+0·2	73·0	84	+2	..	11·17	+2·40	16	+4·0	2·55
	October	..	..	82·7	77·4	90·4	+1·0	95·1	74·2	+1·1	63·0	78	+1	..	3·36	−2·25	5	−1·1	1·22
	November	..	..	73·8	68·7	84·2	−0·5	91·1	63·0	+0·3	51·4	76	0	..	0·85	+0·23	1	+0·4	0·85
	December	..	..	67·5	62·8	78·4	+0·4	81·7	53·2	+1·2	48·2	76	−2	..	0	−0·23	0	−0·4	0
	Year	..	..	76·6	72·3	87·4	+0·6	102·1	68·0	+0·7	41·4	80	0	..	48·93	−19·15	82	−9·8	2·55
Pabna (Bengal)	January	..	..	59·5	56·6	78·6	−0·6	84·2	50·2	−2·6	42·1	82	0	..	1·34	+1·05	3	+2·4	0·65
	February	..	..	63·9	58·1	82·0	−0·8	90·0	51·5	−4·4	44·6	69	−8	..	0·29	−0·78	1	−0·7	0·20
	March	..	..	71·4	64·3	89·8	−1·4	100·3	58·0	−5·8	44·8	66	−9	..	1·29	−0·08	2	−0·7	1·06
	April	..	..	82·1	76·2	99·8	+3·9	103·4	69·8	−1·5	62·0	75	−4	..	1·11	−1·77	3	−1·7	0·55
	May	..	..	82·9	77·6	93·3	−1·3	100·1	71·1	−3·5	64·1	78	−4	..	7·51	+0·43	10	+0·9	1·31
	June	..	..	84·5	80·8	92·2	+0·9	101·3	74·4	−0·6	69·7	85	−1	..	9·99	−1·80	13	−1·6	2·10
	July	..	..	83·7	80·1	89·5	−0·9	92·8	73·7	−2·6	71·2	85	−2	..	10·53	−1·25	19	+2·3	1·91
	August	..	..	83·8	79·7	89·8	−0·3	94·5	73·2	−3·1	68·6	83	−4	..	3·42	−6·85	9	−7·0	0·87
	September	..	..	83·5	79·7	90·5	−1·1	93·3	73·0	−3·4	69·6	84	0	..	9·05	+0·79	11	−0·3	2·92
	October	..	..	81·7	77·7	91·3	+0·2	95·5	70·9	−2·0	65·3	83	+3	..	1·68	−3·75	4	−1·4	0·55
	November	..	..	71·4	67·5	85·6	−0·9	91·1	60·8	−3·0	53·2	81	+2	..	0	−0·55	0	−0·8	0
	December	..	..	61·4	58·6	81·8	+1·8	88·0	51·9	−2·6	45·8	84	+4	..	0	−0·19	0	−0·4	0
	Year	..	..	75·8	71·4	88·7	0	103·4	64·9	−2·9	42·1	80	−2	..	46·21	−14·75	75	−9·0	2·92
Jamshedpur (Chota Nagpur)	January	..	..	59·9	56·4	78·6	..	89·3	54·1	..	46·0	80	..	..	0·99	..	1	..	0·85
	February	..	..	63·9	58·9	83·3	..	91·5	58·0	..	49·4	74	..	..	1·98	..	4	..	0·66
	March	..	..	71·1	63·0	91·3	..	103·2	62·3	..	49·8	62	..	..	1·00	..	3	..	0·73
	April	..	..	84·7	69·1	104·2	..	109·7	73·4	..	67·6	42	..	..	1·62	..	2	..	1·35
	May	..	..	85·5	76·5	102·4	..	112·2	77·2	..	68·1	64	..	..	1·50	..	4	..	0·55
	June	..	..	86·5	78·9	99·3	..	108·7	79·7	..	74·6	71	..	..	4·32	..	10	..	0·99
	July	..	..	81·6	78·2	89·4	..	95·8	77·5	..	74·1	85	..	..	20·22	..	18	..	6·17
	August	..	..	81·5	78·3	89·0	..	93·8	76·8	..	73·1	86	..	..	12·40	..	17	..	3·20
	September	..	..	82·0	78·0	91·9	..	94·8	76·6	..	73·1	83	..	..	5·81	..	11	..	1·97
	October	..	..	76·7	72·0	90·1	..	93·3	69·9	..	63·1	78	..	..	3·85	..	3	..	2·50
	November	..	..	68·1	63·1	83·4	..	92·3	59·7	..	52·0	74	..	..	0	..	0	..	0
	December	..	..	60·8	56·6	79·6	..	82·3	53·6	..	47·5	79	..	..	0	..	0	..	0
	Year	..	..	75·1	69·1	90·2	..	112·2	68·2	..	46·0	73	..	..	53·69	..	73	..	6·17

MONTHLY AND ANNUAL TABLE C FOR 1927—*contd.*

Abstract of 8 hrs. observations.

STATION.	Month.	Wind. Mean direction at h.	Wind. Mean velocity in miles per hour.	Temperature. Mean 8 h. Dry bulb.	Temperature. Mean 8 h. Wet bulb.	Temperature. Maximum. Mean.	Temperature. Maximum. Departure from normal.	Temperature. Maximum. Highest month or year.	Temperature. Minimum. Mean.	Temperature. Minimum. Departure from normal.	Temperature. Minimum. Lowest month or year.	Humidity. Mean 8 h.	Humidity. Departure from normal.	Cloud. Mean amount 8 h.	Rainfall. Total of the month or year.	Rainfall. Departure from normal.	Rainfall. Number of rainy days.	Rainfall. Departure from normal.	Rainfall. Heaviest fall in month or year.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Gurdaspur (Punjab)	January	..	..	45·4	40·3	66·9	..	70·9	37·8	..	30·2	61	..	2·9	0·01	..	0	..	0·01
	February	..	..	47·8	43·7	65·4	..	72·4	43·2	..	36·9	69	..	3·6	0·95	..	3	..	0·42
	March	..	..	58·2	50·9	80·0	..	92·6	49·5	..	34·3	59	..	1·5	1·35	..	2	..	0·88
	April	..	..	74·1	61·5	91·9	..	101·7	61·4	..	49·9	48	..	1·2	0·35	..	2	..	0·25
	May	..	..	84·4	67·4	97·3	..	109·1	69·3	..	62·7	39	..	1·4	2·33	..	3	..	1·70
	June	..	..	88·7	73·4	102·7	..	115·8	76·8	..	63·8	46	..	0·8	0·81	..	3	..	0·30
	July	..	..	86·6	75·9	93·3	..	106·9	77·4	..	71·8	73	..	4·9	10·11	..	10	..	2·29
	August	..	..	81·5	76·0	89·4	..	95·4	76·3	..	71·3	77	..	4·8	6·34	..	12	..	1·75
	September	..	..	82·0	71·8	94·7	..	99·8	71·8	..	61·5	59	..	0·7	0·77	..	1	..	0·77
	October	..	..	73·7	63·9	90·9	..	95·8	62·2	..	58·8	56	..	0·3	0	..	0	..	0
	November	..	..	60·3	52·6	80·3	..	88·4	50·8	..	40·3	57	..	1·2	0·05	..	0	..	0·05
	December	..	..	52·1	46·7	70·4	..	79·2	44·9	..	35·6	64	..	3·5	0·67	..	2	..	0·36
	Year	..	..	69·6	60·3	85·3	..	115·8	60·1	..	30·2	59	..	2·2	23·74	..	38	..	2·29
Bahawalpur (Punjab)	January	N73E	1·0	42·9	(b) 39·8	69·8	..	82·9	36·7	..	28·2	(b) 72	..	2·4	0	..	0	..	0
	February	N79E	2·0	52·5	48·6	72·4	..	80·8	45·0	..	34·2	74	..	4·1	0·12	..	0	..	0·08
	March	N39E	2·3	65·4	57·0	86·2	..	101·5	51·8	..	39·8	57	..	2·1	0	..	0	..	0
	April	S45W	1·9	78·7	70·3	97·5	..	107·0	65·5	..	56·3	65	..	2·9	0·04	..	0	..	0·04
	May	S15W	3·0	87·7	79·1	104·1	..	114·5	75·6	..	68·1	67	..	3·1	0·24	..	1	..	0·24
	June	S47W	4·6	90·4	84·0	107·3	..	114·0	81·4	..	69·0	76	..	3·5	0·26	..	1	..	0·17
	July	S38W	4·6	90·7	85·5	103·4	..	115·0	84·3	..	76·5	80	..	4·5	0·63	..	2	..	0·27
	August	S25W	4·3	88·3	84·9	100·1	..	1[illegible]5·3	81·9	..	77·3	86	..	3·3	0	..	0	..	0
	September	S35W	3·7	83·7	80·5	10[illegible]·2	..	105·3	74·8	..	67·2	86	..	1·4	0	..	0	..	0
	October	S25W	2·3	76·6	71·4	96·7	..	100·5	64·6	..	55·3	76	..	0·8	0	..	0	..	0
	November	S53E	1·5	61·4	56·3	86·1	..	93·3	52·4	..	40·2	71	..	1·2	0	..	0	..	0
	December	N45E(b)	1·1	51·5	48·7	73·8	..	87·2	46·6	..	40·3	81	..	3·7	1·82	..	3	..	0·75
	Year	..	2·7	72·5	67·2	91·5	..	115·0	63·4	..	28·2	74	..	2·7	3·11	..	7	..	0·75
Sargoda (Punjab)	January	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	February	N	(a) 1·6	48·2	(a) 47·1	66·7	..	73·0	43·5	..	37·5	(a) 89	..	3·5	0·61	..	2	..	0·28
	March	N5W	1·8	61·9	57·2	80·6	..	92·4	50·0	..	40·0	74	..	1·5	0·31	..	2	..	0·15
	April	N21E	1·6	75·8	62·5	92·5	..	105·0	62·7	..	54·8	46	..	3·4	1·71	..	3	..	1·42
	May	N59E	2·6	87·2	68·7	101·0	..	115·3	70·9	..	55·4	37	..	1·4	0·22	..	1	..	0·13
	June	N84E	2·3	91·1	72·2	106·1	..	113·8	..	..	..	38	..	0·9	1·34	..	2	..	0·95
	July	N79E	2·9	89·1	79·3	101·6	..	110·9	82·1	..	70·4	64	..	3·0	1·37	..	3	..	0·83
	August	S31E	2·1	87·5	78·2	98·6	..	101·0	98·9	..	69·9	65	..	1·8	2·85	..	4	..	1·20
	September	S63E	1·6	84·5	79·1	99·6	..	104·0	72·8	..	60·9	78	..	0·7	0·43	..	1	..	0·43
	October	N83E	0·8	77·1	66·1	93·9	..	99·0	63·0	..	58·9	53	..	0	0	..	0	..	0
	November	N84E	0·7	59·6	53·1	81·8	..	90·2	51·0	..	42·1	63	..	0·4	0	..	0	..	
	December	N72W	0·3	50·4	(b) 47·0	71·3	..	83·8	48·7*	..	42·1	(b) 75	..	1·8	0·45	..	2	..	0·29
	Year†	..	1·7	73·9	64·6	90·3	..	115·3	(g) 62·4	..	37·5	62	..	1·7	9·29	..	20	..	1·4

* Mean of 27 days. † Mean of 11 months. (a) Mean of 26 days. (b) Mean of 30 days. (g) Mean of 10 months.

MONTHLY AND ANNUAL TABLE C FOR 1927—*contd.*

Abstract of 8 hrs. observations.

STATION.	Month.	Wind. Mean direction at 8 h.	Wind. Mean velocity in miles per hour.	Temperature. Mean 8 h. Dry bulb.	Temperature. Mean 8 h. Wet bulb.	Temperature. Maximum. Mean.	Temperature. Maximum. Departure from normal.	Temperature. Maximum. Highest month or year.	Temperature. Minimum. Mean.	Temperature. Minimum. Departure from normal.	Temperature. Minimum. Lowest month or year.	Humidity. Mean 8 h.	Humidity. Departure from normal.	Cloud. Mean amount 8 h.	Rainfall. Total of month or year.	Rainfall. Departure from normal.	Rainfall. Number of rainy days.	Rainfall. Departure from normal.	Rainfall. Heaviest fall in month or year.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Sukkur (Sind)	January	N32E	2·0	47·3	41·4	71·6	..	92·6	..	..	..	55	..	..	..	..	..	..	..
	February	N63E	2·9	56·0	49·0	75·6	..	87·2	..	..	..	57	..	..	..	..	..	..	..
	March	N86E	4·2	67·9	55·9	89·4	..	104·2	..	..	..	42	..	..	..	..	..	..	..
	April	S34E	3·1	78·6	69·5	98·8	..	109·3	..	..	..	61	..	..	..	..	..	..	..
	May	S25E	3·7	85·2	73·5	107·4	..	118·0	..	..	..	55	..	..	..	..	..	..	..
	June	S11E	6·3	89·0	77·8	110·0	..	116·6	..	..	..	59	..	..	..	..	..	..	..
	July	S25E	7·5	88·5	83·5	105·2	..	114·0	..	..	..	80	..	..	..	..	..	..	..
	August	S16E	6·4	83·9	78·1	101·3	..	107·3	..	..	..	75	..	..	..	..	..	..	..
	September	S15E	4·8	80·7	74·9	100·9	..	106·0	..	..	..	74	..	..	..	..	..	..	..
	October	S6W	2·4	77·0	70·4	97·0	..	101·8	..	..	..	71	..	..	..	..	..	..	..
	November	N71E	1·4	65·9	58·7	87·6	..	95·6	..	..	..	64	..	..	..	..	..	..	..
	December	N60E	1·5	57·1	50·9	77·0	..	86·8	..	..	..	63	..	..	..	..	..	..	..
	Year	..	3·9	73·1	65·3	93·6	..	118·0	..	..	..	63	..	..	..	..	..	..	..
Jammu (Kashmir)	January	N47E	..	48·7	43·4	65·8	−0·1	70·1	46·0	−2·2	41·3	63	−8	4·0	0·41	−1·97	2	−1·8	0·28
	February	N40E	..	51·5	46·9	64·0	−4·7	70·3	47·5	−3·4	42·5	70	+3	3·9	3·04	+0·68	6	+2·5	1·06
	March	N35E	..	65·7	53·5	79·4	+1·7	91·0	57·8	−0·3	44·3	44	−10	1·7	1·41	−1·24	2	−2·5	0·84
	April	N41E	..	76·4	59·4	90·8	+2·7	100·8	68·8	+1·8	56·4	34	−12	3·0	0·07	−1·66	0	−3·6	0·07
	May	N28E	..	83·6	65·0	98·0	−0·5	112·2	76·3	−0·6	65·5	36	−4	3·0	1·88	+1·09	4	+1·6	1·08
	June	N81E	..	89·9	72·4	103·4	+2·4	110·9	82·1	+0·7	71·4	42	−0	1·8	0·85	−2·73	2	−2·4	0·60
	July	S85E	..	83·5	76·5	94·4	−1·1	107·5	79·5	+0·5	71·6	74	+4	6·9	8·86	−4·49	12	+1·2	1·56
	August	N47E	..	80·6	76·2	90·4	−1·8	97·7	77·1	+0·1	70·2	82	+5	8·3	10·81	−3·58	13	+0·9	2·07
	September	N30E	..	80·5	70·9	94·1	+2·6	98·4	75·3	+0·7	63·3	62	−6	2·5	0·68	−2·42	2	−1·6	0·35
	October	N35E	..	74·3	63·1	89·7	+1·3	94·0	68·3	+1·7	60·1	52	−2	0·2	0·02	−0·68	0	−1·3	0·02
	November	N34E	..	62·7	53·8	79·5	+1·9	87·0	58·0	+2·6	51·3	54	−4	1·0	0	−0·26	0	−0·7	0
	December	N32E	..	55·2	49·7	70·3	+2·9	78·1	52·0	+4·0	47·3	67	+2	4·1	0·84	−0·05	1	−1·5	0·70
	Year	..	..	71·1	60·9	85·0	+0·6	112·2	65·7	+0·4	41·3	57	−3	3·2	23·87	−17·31	44	−9·2	2·07
Kargil (Kashmir)	January	S51W	..	14·6	..	26·3	−0·5	35·8	9·7	+9·4	−0·4	..	..	5·5	0·67	−0·79	3	−0·9	0·25
	February	S16W	..	13·4	..	27·7	−1·8	34·5	9·5	+7·2	−0·9	..	..	5·8	0·33	−0·70	1	−1·9	0·12
	March	S27E	..	23·6	..	38·8	−2·8	53·1	10·4	+4·6	1·1	..	..	3·5	2·50	+1·32	6	+3·2	0·82
	April	N4E	..	41·3	41·0	58·4	+0·3	71·5	37·9	+7·4	20·1	97	+22	2·9	0·33	−1·39	2	−1·8	0·18
	May	N70E	..	52·4	49·5	69·3	−3·4	83·8	47·9	+6·3	43·1	84	+22	3·0	0·60	−0·19	3	+1·4	0·35
	June	N11E	..	56·6	47·5	72·5	−10·5	80·8	51·7	+0·9	46·7	51	+9	2·6	0·12	+0·01	0	−0·7	0·04
	July	N51W	..	68·1	55·1	86·7	−2·4	97·1	63·8	+7·7	54·1	43	+3	2·5	0·56	+0·39	2	+1·4	0·38
	August	N72W	..	68·5	55·7	86·8	−2·0	95·8	64·0	+8·1	57·3	44	+4	2·7	0·21	+0·01	2	+0·8	0·13
	September	E	..	58·6	46·3	78·1	−2·1	87·3	54·1	+6·6	44·1	38	−4	1·8	0·02	−0·15	0	−0·8	0·02
	October	N45W	..	47·2	38·5	68·5	+1·0	74·3	44·0	+9·2	37·3	45	0	0·8	0·01	−0·33	0	−0·5	0·04
	November	S	..	33·4	..	54·0	+3·5	62·3	30·0	+10·3	23·1	..	..	2·1	0·02	−0·10	0	−0·4	0·02
	December	N56W	..	24·9	..	(b) 38·2	+2·2	50·3	22·1	+12·6	11·1	..	..	5·3	0·31	−0·39	1	−0·8	0·16
	Year	..	..	41·9	..	58·9	−1·5	97·1	27·8	+7·5	−0·9	(a) 57	(b) +11	3·3	5·86	−2·31	20	−1·0	0·82

(a) Mean of 7 months. (b) Mean of 30 days.

MONTHLY AND ANNUAL TABLE C FOR 1927—*contd.*

Abstract of 8 hrs. observations.

STATION.	Month.	Wind. Mean direction at 8 h.	Wind. Mean velocity in miles per hour.	Temperature. Mean 8 h. Dry bulb.	Temperature. Mean 8 h. Wet bulb.	Temperature. Maximum. Mean.	Temperature. Maximum. Departure from normal.	Temperature. Maximum. Highest in month or year.	Temperature. Minimum. Mean.	Temperature. Minimum. Departure from normal.	Temperature. Minimum. Lowest in month or year.	Humidity. Mean 8 hour.	Humidity. Departure from normal.	Cloud. Mean amount 8 h.	Rainfall. Total of the month or year.	Rainfall. Departure from normal.	Rainfall. Number of rainy days.	Rainfall. Departure from normal.	Rainfall. Heaviest fall in month or year.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Bannu (N.-W. F. Province)	January	..	..	44·9	37·5	65·2	..	75·8	37·0	..	29·4	43	..	..	0	..	0	..	0
	February	..	..	49·2	44·2	65·7	..	72·2	41·9	..	32·2	65	..	..	0·30	..	1	..	0·10
	March	..	..	61·7	51·3	77·5	..	89·6	49·9	..	36·6	47	..	..	0·39	..	2	..	0·15
	April	..	..	75·4	61·4	88·4	..	102·6	61·9	..	52·4	44	..	..	0·88	..	3	..	0·42
	May	..	..	86·0	66·5	99·0	..	112·6	70·9	..	60·2	32	..	..	0·04	..	0	..	0
	June	..	..	92·3	69·9	105·2	..	111·6	78·6	..	70·8	30	..	0·7	0·36	..	1	..	0·34
	July	..	..	91·0	78·2	102·8	..	112·2	82·1	..	71·2	55	..	3·4	1·13	..	3	..	0·51
	August	..	..	88·1	77·8	99·2	..	108·6	80·0	..	69·4	61	..	2·3	3·63	..	3	..	1·56
	September	..	..	85·3	71·1	97·7	..	102·8	71·9	..	62·8	47	..	0·4	0·33	..	1	..	0·33
	October	..	..	76·8	63·3	92·4	..	97·2	62·6	..	57·6	44	..	0	0	..	0	..	0
	November	..	..	61·8	53·1	81·9	..	88·6	49·8	..	39·4	53	..	1·1	0	..	0	..	0
	December	..	..	51·5	47·0	70·4	..	82·4	45·1	..	40·4	70	..	5·3	1·01	..	4	..	0·42
	Year	..	..	72·0	60·1	87·1	..	112·6	61·0	..	29·4	49	..	(a) 1·9	8·07	..	18	..	1·56
Razmak (N.-W. F. Province)	January	N 45 E	..	28·3	.	45·5	..	64·9	25·1	..	17·1	..	..	1·9	0	..	0	..	0
	February	N 45 E	..	29·0	..	42·5	..	49·9	(f) 26·7	..	19·1	..	..	2·0	4·50	..	5	..	2·00
	March	N 48 E	..	40·9	40·2	56·3	..	70·4	37·4	..	25·1	65	..	1·2	0·66	..	4	..	0·20
	April	S 45 E	..	52·9	46·9	67·0	..	82·4	47·9	..	40·1	65	..	2·1	2·36	..	5	..	0·87
	May	N 60 E	..	63·7	54·5	75·2	..	87·9	54·7	..	47·1	57	..	0·7	3·47	..	4	..	1·74
	June	N 71 E	..	68·9	55·1	80·1	..	88·8	61·4	..	56·1	52	..	0·8	1·33	..	3	..	0·88
	July	N 45 E	..	70·9	63·2	82·4	..	88·7	65·3	..	58·6	67	..	1·3	3·37	..	7	..	1·85
	August	N 45 E	..	68·3	61·8	80·3	..	88·5	62·9	..	56·1	71	..	1·7	2·23	..	8	..	0·70
	September	N 40 E	..	64·0	51·5	77·3	..	83·5	57·4	..	45·3	44	..	0·5	0·74	..	2	..	0·34
	October	N 38 E	..	55·7	42·4	72·2	..	81·3	49·8	..	40·3	31	..	0	0·32	..	1	..	0·32
	November	S 45 W	..	47·8	(c) 38·8	(d) 64·6	..	74·4	(c) 42·2	..	35·1	(e) 46	..	0·7	0·05	..	0	..	0·05
	December	S 45 W	..	37·8	(g) 36·2	52·1	..	64·9	34·9	..	26·9	77	..	0	0	..	0	..	0
	Year	..	..	52·3	(n) 50·5	66·3	..	88·8	47·1	..	17·1	(n) 54	..	1·1	19·03	..	39	..	2·00
Razani (N.-W. F. Province)	January	..	..	32·0	..	48·5	..	68·1	29·8	..	23·7	..	..	..	0·40	..	2	..	0·27
	February	..	..	34·9	..	47·0	..	53·7	30·6	..	20·9	..	..	..	0·52	..	4	..	0·15
	March	..	..	47·9	45·5†	60·1	..	72·9	40·7	..	28·9	91†	..	..	0·56	..	1	..	0·50
	April	..	..	56·9	47·7	71·2	..	86·4	50·5	..	41·9	57	..	..	1·69	..	3	..	0·90
	May	..	..	68·6	53·8	80·2	..	93·4	59·5	..	50·4	39	..	..	1·74	..	5	..	0·59
	June	..	..	74·3	57·3	85·9	..	92·4	66·3	..	57·4	35	..	..	1·43	..	4	..	0·50
	July	..	..	75·4	65·9	87·6	..	95·1	70·5	..	62·9	62	..	..	2·97	..	6	..	1·11
	August	..	..	73·5	66·3	85·5	..	93·9	68·5	..	60·9	71	..	..	0·98	..	3	..	0·42
	September	..	..	69·5	55·9	82·2	..	89·9	59·7	..	48·4	44	..	..	1·36	..	2	..	0·76
	October	..	..	59·6	46·6	75·4	..	84·5	54·5	..	49·9	37	..	..	0·08	..	0	..	0·08
	November	..	..	49·3	38·3	65·0	..	74·9	45·0	..	39·1	35	..	..	0	..	0	..	0
	December	..	..	40·5	(k) 36·2	55·2	..	65·9	(e) 37·6	..	30·9	(k) 59	..	..	2·58	..	6	..	0·70
	Year	..	..	56·9	(r) 51·3	70·3	..	95·1	51·1	..	20·9	(p) 56	..	..	14·31	..	36	..	1·11

(a) Mean of 7 months.
* Mean of 19 days.
† Mean of 18 days.
(b) Mean of 30 days.
(f) Mean of 26 days.
(n) Mean of 9 months.
(c) Mean of 29 days.
(k) Mean of 21 days.
(p) Mean of 11 months.
(d) Mean of 28 days.
(r) Mean of 10 months.
(e) Mean of 27 days.
(g) Mean of 14 days.

MONTHLY AND ANNUAL TABLE C FOR 1927—*contd.*

Abstract of 8 hrs. observations.

STATION.	Month.	Wind. Mean direction at 8 h.	Wind. Mean velocity in miles per hour.	Temperature. Mean 8 h. Dry bulb.	Temperature. Mean 8 h. Wet bulb.	Temperature. Maximum. Mean.	Temperature. Maximum. Departure from normal.	Temperature. Maximum. Highest in month or year.	Temperature. Minimum. Mean.	Temperature. Minimum. Departure from normal.	Temperature. Minimum. Lowest in month or year.	Humidity. Mean.	Humidity. Departure from normal.	Cloud. Mean amount.	Rainfall. Total of month or year.	Rainfall. Departure from normal.	Rainfall. Number of rainy days.	Rainfall. Departure from normal.	Rainfall. Heaviest fall in month or year.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Durdap (Baluchistan)	January	S 49 W	5·4	30·5	..	52·5	..	72·7	25·5	..	14·5	..	..	1·6	0·14	..	0	..	0·08
	February	S 51 W	6·1	34·7	..	54·1	..	65·0	28·9	..	21·6	..	..	2·3	0·40	..	2	..	0·26
	March	S 84 W	7·3	43·6	(f) 39·0	68·4	..	85·8	36·0	..	23·2	(f) 54	..	0·6	0·26	..	2	..	0·16
	April	S 32 W	6·2	56·0	45·5	77·2	..	90·8	48·8	..	32·2	39	..	1·2	0	..	0	..	0
	May	N 74 W	..	67·0	52·2	88·2	..	98·6	57·1	..	50·2	31	..	0·2	0	..	0	..	0
	June	N 77 W	8·0	73·8	56·4	92·4	..	98·2	62·3	..	48·3	31	..	0·2	0	..	0	..	0
	July	N 63 W	7·0	77·9	61·8	98·9	..	103·8	68·5	..	55·7	37	..	0	0	..	0	..	0
	August	N 63 W	6·8	71·7	54·0	96·9	..	101·8	64·5	..	53·6	29	..	0	0	..	0	..	0
	September	S 45 W	5·5	60·2	46·2	88·3	..	97·8	54·1	..	46·0	30	..	0	0	..	0	..	0
	October	S 58 W	5·6	50·0	39·6	81·6	..	88·3	47·6	..	41·4	31	..	0·3	0	..	0	..	0
	November	S 63 W	4·5	38·0	(r) 26·1	68·8	..	80·8	34·6	..	27·2	(r) 53	..	1·1	0	..	0	..	0
	December	S 27 W	5·9	38·5	..	55·7	..	70·2	33·7	..	28·2	(m) 74	..	2·5	0·52	..	1	..	0·52
	Year	..	(a) 6·2	53·7	(n) 47·8	77·3	..	103·8	46·8	..	14·5	(t) 41	..	0·8	1·41	..	5	..	0·52
Tishin (Baluchistan)	January (e)	..	..	..	..	54·5	+2·6	67·9	21·9	—3·3	9·1	..	..	3·8	0·75	—1·10	3	—1·1	0·31
	February	..	..	..	..	53·7	—1·7	62·9	29·9	+2·0	19·1	..	..	4·9	2·08	+0·34	5	+1·3	0·71
	March	..	..	..	..	(b) 71·3	+6·5	86·9	(b) 32·2	—3·7	21·5	..	..	2·0	0·55	—1·55	2	—2·8	0·28
	April	..	..	..	..	82·6	+9·4	100·3	44·1	+0·6	36·1	..	..	2·6	0·37	—0·45	1	—1·2	0·12
	May	..	..	..	..	94·8	+6·9	105·1	51·7	+0·1	45·6	..	..	0·2	0	—0·19	0	—0·6	0
	June	..	..	..	..	102·0	+6·3	107·5	56·3	—2·0	47·2	..	..	0	0	—0·03	0	—0·1	0
	July	..	..	..	..	107·3	+9·5	114·3	64·1	+0·3	55·6	..	..	0·8	0·36	+0·27	1	+0·6	0·31
	August	..	..	..	..	106·9	+11·3	110·3	57·0	—3·5	45·6	..	..	0	0·02	—0·18	0	—0·4	0·02
	September	..	..	..	..	98·1	+1·0	107·1	38·7	—9·7	29·6	..	..	0	0	—0·02	0	—0·1	0
	October	..	..	..	..	88·2	+11·3	95·1	26·3	—11·1	21·4	..	..	0	0	—0·17	0	—0·4	0
	November	..	..	..	..	74·5	+6·9	83·5	16·5	—13·7	6·6	..	..	0·3	0	—0·25	0	—0·8	0
	December	..	..	..	..	61·1	+4·8	77·3	31·4	+5·5	12·2	..	..	2·8	2·18	+0·90	6	+3·1	0·57
	Year	..	..	..	..	83·1	+7·0	114·3	39·2	—3·2	6·6	..	..	1·4	6·31	—2·43	18	—2·5	0·71
Extra India. Chumbi (Sikkim)	January	..	..	21·1	..	45·5	+1·0	53·0	17·4	—2·7	10·0	..	..	3·0	0·93	+0·27	4	+2·1	0·47
	February	..	..	26·6	..	45·8	+2·3	51·8	23·4	+1·3	14·4	..	..	5·0	3·63	+1·83	10	+6·6	0·97
	March	..		29·5	..	49·3	—0·8	60·8	25·2	—3·5	20·0	* 93	..	3·9	3·50	+1·16	5	—1·4	1·46
	April	..	..	41·7	39·9	56·4	+0·6	68·6	36·7	+1·4	28·0	87	+5	4·1	5·89	+1·40	18	+7·1	0·76
	May (d)	..	..	52·1	50·2	64·7	+4·9	72·0	45·6	+2·9	38·0	90	+7	3·9	4·24	—0·17	12	+0·4	0·81
	June	..	..	54·8	53·1	67·0	+3·6	73·0	50·2	+1·0	45·0	91	+3	4·7	3·22	—3·55	8	—7·4	1·05
	July	..	..	56·7	54·6	69·5	+5·0	73·2	50·2	—1·4	46·2	89	0	5·0	2·34	—5·08	11	—8·4	0·34
	August	..	..	55·9	53·9	67·4	+3·6	71·0	50·6	—0·4	45·5	89	+1	5·0	5·45	—2·17	15	—4·7	1·36
	September	..	..	54·0	52·1	65·5	+3·1	71·5	48·7	+1·3	40·4	89	+1	4·8	2·11	—2·96	7	—4·9	0·72
	October	..	..	46·0	(c) 44·9	60·8	+2·9	64·8	40·6	+3·8	26·0	(c) 87	+1	3·9	0·11	—1·82	1	—2·8	0·11
	November	..	..	31·9	..	53·8	+2·0	62·0	28·3	—0·2	22·7	(u) 89	..	3·3	5·69	+5·35	8	+7·4	2·80
	December	..	..	31·6	..	56·6	+11·1	62·7	22·2	—0·3	17·8	(v) 92	..	3·0	0	—0·15	0	—0·6	0
	Year	..	..	41·8	..	58·5	+3·2	73·2	36·6	+0·2	10·0	(o) 89	(o) +3	4·1	37·01	—5·89	99	—6·6	2·70

(a) Mean of 11 months. (b) Mean of 30 days. (c) Mean of 29 days. (d) Mean of 28 days. (e) Mean of 27 days.
(f) Mean of 26 days. (m) Mean of 22 days. (n) Mean of 9 months. (o) Mean of 7 months. (r) Mean of 17 days.
* Mean of 11 days. (t) Mean of 10 months. (u) Mean of 12 days. (v) Mean of 10 days.

MONTHLY AND ANNUAL TABLE C FOR 1927—*concld.*

Abstract of 8 hrs. observations.

STATION.	Month.	Wind.		Temperature.								Humidity.		Cloud	Rainfall.				
				Mean 8 h.		Maximum.			Minimum.										
		Mean direction at 8 h.	Mean velocity in miles per hour.	Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month or year.	Mean.	Departure from normal.	Lowest in month or year.	Mean 8 h.	Departure from normal.	Mean amount 8 h.	Total of month or year.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall in month or year.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Abadan (Persia)	January	N	..	53·7	..	65·6	..	72·0	45·8	..	36·0	..	..	..	0·53	..	1	..	0·36
	February	N	..	(a) 56·1	51·0	67·0	..	79·5	47·5	..	59·0	(a) 76	..	..	0·80	..	3	..	0·42
	March	N	..	67·1	58·7	79·6	..	89·0	53·4	..	47·0	62	..	..	0·58	..	1	..	0·53
	April	N	..	76·9	68·2	89·2	..	103·0	60·9	..	51·0	68	..	..	0·59	..	2	..	0·26
	May	S	..	96·3	87·0	107·4	..	115·5	75·0	..	66·0	71	..	..	0·45	..	1	..	0·45
	June	N	..	101·9	73·6	115·3	..	123·0	81·8	..	76·0	25	..	..	0	..	0	..	0
	July	N	..	96·8	72·3	112·6	..	118·0	83·3	..	72·0	24	..	..	0	..	0	..	0
	August	N	..	99·0	72·7	113·7	..	118·5	82·6	..	79·0	29	..	..	0	..	0	..	0
	September	S	..	92·8	75·3	110·7	..	118·5	77·5	..	71·0	47	..	..	0	..	0	..	0
	October	N	..	84·9	66·5	99·4	..	112·0	68·2	..	61·5	39	..	..	0	..	0	..	0
	November	N 14 W	..	70·6	61·2	83·6	..	96·0	58·4	..	46·0	55	..	..	0·64	..	3	..	0·33
	December	N 21 W	..	57·1	51·5	68·5	..	76·0	47·2	..	37·5	66	..	..	0·49	..	2	..	0·25
	Year	..	..	79·4	(b) 67·1	92·7	..	123·0	65·1	..	36·0	(b) 51	..	..	4·08	..	13	..	0·53

(a) Mean of 25 days

(b) Mean of 11 months.

Table D.—Abstract of observations taken at 8 hrs. at34 fifth class stations in the year 1927.

MONTHLY AND ANNUAL

Abstract of 8 hrs.

Station.	January.					February.					March.				
	Number of rainy days.	Departure from normal.	Rainfall of month.	Departure from normal.	Heaviest rainfall during month.	Number of rainy days.	Departure from normal.	Rainfall of month.	Departure from normal.	Heaviest rainfall during month.	Number of rainy days.	Departure from normal.	Rainfall of month.	Departure from normal.	Heaviest rainfall during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Bengal—															
Comilla	3	+2·2	2·37	+2·08	1·07	2	0	0·81	—0·37	0·55	1	—2·7	1·06	—1·89	1·06
Faridpur	4	+3·1	1·22	+0·77	0·58	3	+0·8	0·65	—0·67	0·37	2	—1·2	1·58	—0·75	1·48
Sirajganj	2	+1·3	1·47	+1·15	1·22	3	+1·4	0·75	—0·02	0·32	2	—0·3	1·37	+0·04	1·16
Rampur Boalia	4	+3·2	1·71	+1·36	0·76	3	+1·5	1·49	+0·91	0·82	3	+1·0	0·87	+0·33	0·41
Malda	1	+0·1	1·11	+0·56	1·04	3	+1·3	2·30	+1·46	1·57	4	+2·7	3·77	+3·06	1·70
Rangpur	2	+1·1	0·90	+0·56	0·60	1	—0·3	0·93	+0·24	0·93	2	+0·2	1·54	+0·41	1·25
Cooch Behar	0	—0·5	0·07	—0·12	0·07	1	—0·8	0·43	—0·44	0·34	3	+0·3	1·93	+0·02	1·10
Krishnagar	4	+3·1	1·71	+1·27	0·91	2	+0·3	0·98	—0·22	0·57	1	—1·4	0·51	—1·31	0·45
Bankura	3	+1·8	1·63	+1·12	0·97	4	+2·1	1·70	+0·66	0·85	2	—0·2	0·41	—0·84	0·26
Bihar and Orissa—															
Hazaribagh	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bhagalpore	3	+2·0	1·12	+0·64	0·63	4	+2·4	1·69	+0·97	0·[illegible]	2	+0·6	0·87	+0·30	0·69
Muzaffarpur	1	—0·1	0·70	+0·18	0·70	3	+1·4	0·70	+0·16	0·1	2	+0·9	0·83	+0·36	0·53
Motihari	1	—0·1	0·12	—0·36	0·12	2	+0·7	0·54	—0·01	02	3	+2·1	1·00	+0·50	0·55
Chapra	1	—0·2	0·58	+0·03	0·58	3	+1·4	0·84	+0·21	60	2	+0·9	0·81	+0·43	0·43
Arrah	1	—0·2	0·68	+0·05	0·64	2	+0·5	1·24	+0·50	75	2	+0·9	0·90	+0·43	0·50
Dehri	4	+2·6	1·66	+1·08	0·96	6	+4·2	1·29	+0·51	·51	2	+0·8	1·49	+1·02	0·93
United Provinces—															
Meerut	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Dehra Dun	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Punjab—															
Khanpur	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rajputana—															
Udaipur	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hyderabad—															
Parbhani	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madras—															
Tinnevelly	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bay Island—															
Car Nicobar	6	+1·8	5·24	+1·10	2·34	6	+4·0	4·39	+3	2·20	1	—1·0	1·13	—0·25	0·88
Kashmir—															
Sonamarg	..	..	..	..	..	..	..	..		..	..	..	..	..	..
North West Frontier Province—															
Kaghan	..	..	..	..	..	..	..	..		..	..	..	..	..	..
Baluchistan—															
Harnai	..	..	..	..	..	..	..	..		..	..	..	..	..	..
Hill Stations exclusive of Kashmir—															
Gnatong	4	+1·0	0·81	—1·99	0·20	10	+0·4	3·84	·08	0·80	12	+0·2	3·93	—4·59	0·62
Lachung	3	+0·4	0·87	+0·28	0·50	9	+1·9	3·07	)·06	0·81	12	—0·8	3·78	—2·50	0·60
Dharampore	1	..	0·21	..	0·13	11	..	8·16	..	3·00	3	..	1·35	..	0·60
Mussooree	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Dalhousie	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bakloh	3	..	2·88	..	2·15	10	..	5·08	..	1·42	2	..	2·01	..	1·41
Kailang	0	—5·6	0·14	—2·72	0·08	6	+0·1	1·72	—0·97	0·34	6	—1·8	2·10	—1·95	0·70
Extra India—															
Pemba	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

TABLE D FOR 1927.

observations.

APRIL.					MAY.					JUNE.					JULY.				
Number of rainy days.	Departure from normal.	Rainfall of month.	Departure from normal.	Heaviest rainfall during month.	Number of rainy days.	Departure from normal.	Rainfall of month.	Departure from normal.	Heaviest rainfall during month.	Number of rainy days.	Departure from normal.	Rainfall of month.	Departure from normal.	Heaviest rainfall during month.	Number of rainy days.	Departure from normal.	Rainfall of month.	Departure from normal.	Heaviest rainfall during month.
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
8	+0·7	13·94	+7·36	2·95	11	—0·5	16·85	+5·08	2·93	17	—0·5	10·02	—8·03	1·52	14	—4·2	13·43	—1·62	1·90
10	+3·6	5·40	+0·68	2·11	14	+3·0	13·86	+4·32	3·66	13	—2·4	11·88	—1·48	3·89	18	+0·4	7·80	—5·03	1·44
3	—1·8	0·95	—2·26	0·47	8	—2·2	4·61	—3·27	1·12	16	+1·3	17·82	+5·41	3·79	12	—3·6	8·18	—3·31	3·15
6	—2·8	0·05	—1·73	0·05	5	—2·4	2·87	—2·70	1·12	8	—5·1	3·29	—7·88	1·22	12	—3·0	9·09	—1·72	2·88
2	—0·1	0·45	—0·68	0·29	6	+0·2	4·91	+0·41	1·76	11	—0·6	4·40	—5·95	0·91	14	—0·6	10·66	—0·31	2·90
3	—1·5	1·35	—1·74	1·00	7	—4·7	5·83	—5·10	2·21	15	—1·0	21·70	+4·09	5·08	11	—4·1	7·48	—7·78	2·32
5	—2·3	3·13	—2·30	1·00	17	+2·7	25·41	+9·61	4·96	22	+3·5	59·66	+26·75	10·53	19	—0·6	20·94	—9·40	3·22
0	—4·1	0	—2·55	0	9	+1·1	6·43	—0·57	1·52	11	—2·0	12·76	+2·10	3·75	13	—2·9	11·92	+0·84	4·74
1	—1·8	0·80	—1·02	0·23	6	—0·1	5·62	+0·78	1·56	6	—5·9	12·10	+1·01	8·30	15	—0·4	8·20	—4·91	1·02
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
0	—1·5	0	—0·73	0	4	—0·1	2·17	—0·92	0·69	5	—5·4	8·00	—0·25	5·85	13	—2·0	10·40	—1·39	2·55
1	—0·1	0·10	—0·41	0·10	2	—1·6	1·46	—0·91	1·20	5	—3·3	2·05	—6·10	0·93	15	+0·5	9·06	—3·41	1·53
1	—0·3	0·23	—0·65	0·23	6	+1·8	3·70	+0·72	1·43	7	—2·8	5·06	—4·13	1·83	11	—3·5	11·12	—3·68	3·40
0	—0·8	0	—0·34	0	2	0	0·59	—1·01	0·47	4	—3·6	3·39	—3·46	1·47	12	—1·9	10·20	—2·02	2·67
0	—0·6	0	—0·28	0	3	+0·8	1·90	+0·46	1·00	5	—2·9	2·35	—4·43	1·02	13	—1·3	14·49	+1·79	2·36
0	—0·6	0	—0·24	0	2	+0·5	2·07	+1·24	1·75	2	—5·5	0·34	—5·73	0·20	16	+2·4	15·34	+4·75	4·24
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
9	+3·7	5·08	+2·01	2·42	19	+4·7	14·21	+1·38	2·20	13	—1·6	18·23	+5·70	4·91	13	+0·9	7·49	—1·60	1·76
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	7	..	3·14	..	1·50	3	..	2·37	..	1·80	5	..	1·71	..	0·50
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
14	—1·2	9·60	—2·02	1·85	26	+1·9	18·03	+0·40	1·86	26	—0·4	16·82	—12·78	1·95	27	—2·2	19·72	—17·28	2·61
13	—2·9	5·04	—2·12	0·77	17	+1·8	4·98	—0·93	0·82	27	+5·2	11·61	+1·94	1·96	23	—1·6	8·90	—1·33	1·42
4	..	0·88	..	0·32	4	..	4·06	..	2·60	4	..	1·85	..	0·67	18	..	16·53	..	3·25
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1	..	0·53	..	0·50	6	..	3·27	..	1·30	5	..	1·65	..	0·75	23	..	32·43	..	5·70
6	—0·4	1·92	—1·47	9·47	4	—1·4	3·09	+0·79	1·80	0	—2·6	0·11	—0·92	0·09	6	+1·8	1·59	+0·20	0·78
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

MONTHLY AND ANNUAL

Abstract of 8 hrs.

Stations.	August.					September.					October.				
	Number of rainy days.	Departure from normal.	Rainfall of month.	Departure from normal.	Heaviest rainfall during month.	Number of rainy days.	Departure from normal.	Rainfall of month.	Departure from normal.	Heaviest rainfall during month.	Number of rainy days.	Departure from normal.	Rainfall of month.	Departure from normal.	Heaviest rainfall during month.
1	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51
Bengal—															
Comilla	12	—5·9	12·98	—2·75	3·10	19	+5·5	14·63	+3·70	2·10	9	+2·9	7·31	+0·79	2·59
Faridpur	11	—6·4	4·20	—8·22	1·11	11	—1·2	8·55	—0·74	2·88	4	—1·4	1·68	—3·06	0·59
Sirajganj	10	—5·4	5·74	—5·76	1·52	14	+2·4	5·31	—4·40	0·73	7	+2·1	3·08	—1·86	1·12
Rampur Boalia	10	—4·6	4·16	—6·16	1·05	13	+0·8	8·31	—1·73	1·54	4	—0·4	2·24	—1·49	1·32
Malda	11	—3·8	2·97	—8·55	0·62	11	—0·2	7·92	—2·87	2·00	3	—1·1	3·81	—0·53	2·18
Rangpur	15	+0·9	10·63	—3·00	2·70	21	+7·9	27·38	+13·64	2·54	3	—1·2	1·85	—3·51	0·95
Cooch Behar	16	—2·2	10·14	—15·01	2·02	22	+6·2	28·73	+2·33	4·23	6	+0·5	2·94	—4·74	1·12
Krishnagar	17	+2·1	5·28	—4·89	0·65	13	+1·9	9·43	+1·40	2·42	4	—0·9	1·97	—2·41	0·83
Bankura	14	—1·8	8·70	—2·77	2·31	7	—4·5	6·30	—2·44	1·76	5	+0·8	3·18	+0·27	1·12
Bihar and Orissa—															
Hazaribagh	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bhagalpur	12	—1·0	4·25	—6·54	0·72	7	—2·5	4·28	—5·11	1·63	3	+0·4	1·04	—1·18	0·49
Muzaffarpur	11	—2·7	7·81	—5·61	3·08	8	—0·9	3·74	—3·80	1·03	0	—2·5	0	—2·57	0
Motihari	9	—4·6	6·77	—6·69	1·95	11	+1·9	8·91	—0·37	4·13	3	+0·5	0·96	—1·44	0·50
Chapra	11	—2·5	4·27	—7·59	0·75	5	—3·8	3·66	—3·77	1·31	2	—0·5	0·56	—1·62	0·32
Arrah	12	—2·1	5·09	—6·56	1·05	7	—2·4	4·51	—3·46	2·05	2	—1·1	0·69	—1·85	0·41
Dehri	13	—1·5	9·88	—3·32	1·75	9	+0·2	9·53	+2·65	3·50	1	—1·9	0·17	—1·93	0·17
United Provinces—															
Meerut	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Dehra Dun	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Punjab—															
Khanpur	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rajputana—															
Udaipur	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hyderabad—															
Parbhani	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madras—															
Tinnevelly	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bay Islands—															
Car Nicobar	13	—0·2	15·08	+4·57	6·04	12	—2·5	10·65	—1·81	4·18	16	+1·7	12·53	+1·27	3·59
Kashmir—															
Sonamarg	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
North West Forntier Province—															
Kaghan	8	..	1·64	..	0·40	8	..	2·68	..	1·00	0	..	0	..	0
Baluchistan—															
Harnai	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hill Stations exclusive of Kashmir—															
Gnatong	30	+2·5	24·36	—4·26	2·35	26	+2·4	16·95	+0·42	2·73	16	+5·5	5·17	+0·54	1·02
Lachung	22	—3·1	9·70	—0·06	1·11	19	+0·1	7·91	+0·60	1·06	10	+1·2	3·48	—0·16	0·81
Dharampur	20	..	23·86	..	3·50	6	..	3·40	..	1·20	3	..	4·07	..	3·50
Mussooree	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Dalhousie	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bakloh	17	..	33·20	..	5·20	7	..	6·00	..	1·90	3	..	0·63	..	0·35
Kailang	5	+1·1	1·48	+0·02	0·47	0	—2·7	0	—1·86	0	2	+0·8	1·33	+0·62	0·86
Extra India—															
Pemba	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

* Rainfall since 1st May to 15th October.

TABLE D FOR 1927—*concld.*

observations—concld.

November.					December.					Year.				
Number of rainy days.	Departure from normal.	Rainfall of month.	Departure from normal.	Heaviest rainfall during month.	Number of rainy days.	Departure from normal.	Rainfall of month.	Departure from normal.	Heaviest rainfall during month.	Number of rainy days.	Departure from normal.	Rainfall of year.	Departure from normal.	Heaviest rainfall during year.
52	53	54	55	56	57	58	59	60	61	62	63	64	65	66
0	—1·4	0	—1·03	0	0	—0·3	0	—0·23	0	96	—4·2	93·40	+3·09	3·10
1	—0·3	0·40	—0·70	0·40	0	—0·3	0	—0·12	0	91	—2·3	56·72	—15·00	3·89
0	—0·7	0	—0·62	0	0	—0·3	0	—0·11	0	77	—5·8	49·28	—15·11	3·79
0	—0·7	0	—0·49	0	0	—0·1	0	—0·06	0	62	—12·6	34·08	—22·02	2·88
0	—0·7	0	—0·35	0	0	—0·1	0	—0·05	0	66	—2·9	42·30	—13·80	2·90
0	—0·3	0	—0·21	0	0	—0·2	0	—0·04	0	80	—3·2	79·59	—2·44	5·98
2	+1·6	0·78	+0·55	0·65	0	—0·3	0	—0·10	0	113	+8·1	154·16	+7·15	10·53
0	—1·2	0	—0·98	0	0	—0·2	0	—0·09	0	74	—4·2	50·99	—7·41	4·74
0	—1·1	0·04	—0·60	0·03	0	—0·2	0	—0·08	0	63	—11·3	48·18	—8·82	8·30
..	..	..	..	..	..	..	..	..	..	66	—9·2	49·76	—3·52	5·00
1	+0·6	0·26	—0·01	0·19	0	—0·1	0	—0·08	6	54	—6·6	34·08	—14·30	5·85
3	+2·6	2·00	+1·77	0·81	0	—0·1	0	—0·06	0	51	—5·9	28·45	—20·40	3·08
4	+3·8	1·74	+1·54	1·03	0	—0·4	0	—0·14	0	58	—0·9	40·15	—14·71	4·13
4	+3·6	3·13	+2·87	1·23	0	—0·3	0	—0·12	0	46	—7·7	28·03	—16·39	2·67
4	+3·5	2·44	+2·17	0·91	0	—0·4	0	—0·15	0	51	—5·3	34·29	—11·33	2·36
3	+2·4	1·09	+0·63	0·61	0	—0·4	0	—0·22	0	58	+3·2	42·86	+0·39	4·24
..	..	..	..	..	..	..	..	..	..	50	+11·5	42·54	+10·58	7·36
..	..	..	..	..	..	..	..	..	..	78	—2·3	104·52	+21·36	7·86
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	50	+17·3	35·09	+11·31	2·97
..	..	..	..	..	..	..	..	..	..	44	—5·2	32·17	—4·96	2·47
..	..	..	..	..	..	..	..	..	..	40	—1·3	47·31	+18·97	3·77
15	+3·0	12·57	+1·95	2·28	6	—2·7	4·11	—3·76	1·68	129	+11·8	110·68	+13·84	6·04
..	..	..	..	..	..	..	..	..	..	100	—5·5	48·38	—23·01	2·87
..	..	..	..	..	..	..	..	..	..	31	..	*11·54	..	1·80
..	..	..	..	..	..	..	..	..	..	20	—5·7	8·41	—5·76	1·43
9	+6·4	4·58	+0·46	0·82	1	—1·5	0·33	—0·59	0·33	201	+12·0	124·29	—45·77	2·73
9	+6·2	4·05	+2·97	1·10	0	—1·6	0·03	—0·52	0·03	164	+6·8	63·42	—1·77	1·96
1	..	0·10	..	0·10	2	..	1·14	..	0·60	77	..	65·61	..	3·50
..	..	..	..	..	..	..	..	..	..	97	—5·2	124·78	+15·09	5·90
..	..	..	..	..	..	..	..	..	..	89	..	72·88	..	3·00
2	..	0·45	..	0·30	1	..	0·50	..	0·50	79	..	88·63	..	5·70
1	+0·1	0·20	—0·15	0·20	5	+2·4	0·92	—0·10	0·25	41	—8·2	14·60	—8·51	1·80
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

APPENDIX

Climatic Tables of Kodaikanal and Madras for 1927 and tables of extra observations taken during the year at Lahore, Bombay and Trivandrum.

TABLE I.

Height of Barometer cistern above mean Sea level 7688 feet.

Latitude—10° 13′ 5″ N

Mean Monthly and Annual Meteorological Results at the Kodaikanal Observatory in 1927.

Longitude—5h 9m 52s E

Month.	Barometer. Reduced to 32°.	Barometer. Daily Range.	Dry bulb thermometer. Mean.	Dry bulb thermometer. Max.	Dry bulb thermometer. Min.	Dry bulb thermometer. Range.	Wet bulb. Mean.	Wet bulb. Min.	Tension of vapour. By Blanford's Tables.	Relative humidity. By Blanford's Tables.	Min on Grass.	Wind. Daily velocity.	Wind. Mean Direction.	Wind. Mean Direction.	Rain. Amount.	Rain. Days.	Clear Sky.	Bright Sunshine.
	Inches.	Inches.	°	°	°	°	°	°	Inches.	Cents.	°	Miles.	Points.	Points.	Inches.	No.	Cents.	Hours.
January	22·849	0·071	54·7	64·2	47·3	16·9	49·1	43·3	0·294	69	39·8	213	4	N E	2·05	3	48	212·3
February	·871	·068	57·0	66·9	49·3	17·6	49·5	42·6	·278	58	39·5	209	8	E	1·94	4	57	213·2
March	·833	·070	59·0	68·6	51·9	16·7	51·1	44·7	·294	59	44·8	246	6	E N E	1·29	4	44	193·2
April	·830	·069	61·0	70·4	54·1	16·3	52·7	47·4	·311	59	46·6	275	6	E N E	5·56	8	63	226·4
May	·824	·070	60·4	69·1	54·6	14·5	55·1	50·8	·379	72	48·3	193	30	N N W	5·08	11	40	218·5
June	·782	·059	57·3	64·0	53·3	10·7	54·1	50·4	·385	82	48·3	271	26	W N W	6·38	14	20	106·9
July	·773	·050	56·0	62·5	52·6	9·9	53·5	50·5	·382	85	49·2	348	26	W N W	3·63	12	5	59·6
August	·802	·062	56·9	64·7	52·2	12·5	53·7	49·6	·382	82	47·7	191	26	W N W	4·94	16	16	121·6
September	·792	·075	57·4	65·2	52·6	12·6	54·5	50·4	·394	83	47·5	183	1	N by E	8·98	12	25	112·9
October	·855	·071	56·4	63·9	51·0	12·9	52·5	47·8	·356	79	44·9	140	30	N N W	4·78	8	33	169·5
November	·840	·069	55·8	64·2	49·5	14·7	52·0	46·1	·348	78	44·5	204	32	N	8·90	11	39	162·5
December	·863	·069	53·7	62·7	47·2	15·5	49·4	43·9	·309	74	40·0	204	32	N	3·28	3	53	209·5
Annual	22·826	0·067	57·1	65·5	51·3	14·2	52·3	47·3	0·343	75	45·1	223	2	N N E	56·81	106	37	2095·5

Extreme Monthly Meteorological Records at the Kodaikanal Observatory in 1927.

Month.	Barometer. Highest.	Barometer. Highest.	Barometer. Lowest.	Barometer. Lowest.	Barometer. Range.	Dry bulb thermometer. Highest.	Dry bulb thermometer. Highest.	Dry bulb thermometer. Lowest.	Dry bulb thermometer. Lowest.	Wet bulb. Lowest.	Wet bulb. Lowest.	Humidity. Lowest.	Humidity. Lowest.	Grass therm. Lowest.	Grass therm. Lowest.	Wind. Highest.	Wind. Highest.	Wind. Lowest.	Wind. Lowest.	Rain. Greatest Fall.	Rain. Greatest Fall.
	Inches.	Day.	Inches.	Day.	Inches.	°	Day.	°	Day.	°	Day.	Cents.	Day.	°	Day.	Miles.	Day.	Miles.	Day.	Inches.	Day
January	22·927	30	22·773	12	0·154	68·9	27	*41·6*	*11*	35·4	31	12	30	32·1	31	365	29	117	16	1·09	7
February	*·954*	*2*	·786	27	·168	72·1	24	43·1	2	*35·1*	*4*	*10*	*3*	*29·5*	*1*	316	6	113	14	0·81	10
March	·924	21	·733	5	·191	75·2	26	48·2	1, 14	38·1	1	17	1, 26	37·3	1	*550*	*8*	156	12	0·61	7
April	·917	21	·709	30	·208	*75·3*	*18*	50·2	1	41·2	3	18	3	40·1	1	432	26	164	24	1·39	9
May	·921	16	·687	31	·234	72·8	12	51·2	2, 6	46·1	7	32	24	42·0	25	366	1	81	20, 21	1·17	6
June	·903	21	·673	14	·230	69·3	8	51·2	19	46·1	29	51	23	44·0	20	534	2	98	7	1·43	9
July	·867	30	*·683*	*3*	·184	66·7	15	50·2	14	45·1	7	61	7	45·3	14	487	26	99	31	1·40	31
August	·877	1	·709	10	·168	67·5	31	50·4	2	45·1	9	60	5, 31	44·0	21	405	9	*63*	*4*	1·65	1
September	·865	12, 13	·684	19	·181	69·3	7	50·5	9	44·4	24	54	24	42·7	1	383	21	79	9	1·37	16
October	*·954*	*20*	·768	9	·186	67·8	12	47·5	9	39·5	10	29	9	34·1	10	281	29	*63*	*14*	1·33	28
November	·939	30	·786	1	·203	71·3	27, 29	42·2	29	36·3	29	16	28	31·2	28	209	1	76	11	1·91	8
December	·942	26	·780	16	·162	67·8	22	44·0	31	*35·1*	*8*	28	28	34·0	15	466	29	77	11	*2·26*	*1*

TABLE II.

Kodaikanal mean hourly wind velocity for the year 1927.

Month.	Hours.																							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
January	10	10	10	10	10	10	10	10	10	10	11	11	10	9	8	7	6	5	6	7	8	9	9	9
February	9	9	9	9	9	10	10	9	9	10	11	11	10	9	8	8	7	6	7	7	8	7	8	9
March	11	8	11	12	12	11	12	12	12	12	12	12	10	10	9	8	7	7	7	9	8	9	10	11
April	11	11	11	10	11	11	11	11	12	13	14	13	13	12	12	12	12	11	11	11	11	10	11	11
May	9	9	9	9	8	8	7	7	7	8	8	9	8	8	7	7	7	7	8	8	8	8	8	9
June	13	12	12	12	13	12	12	12	10	9	11	11	10	10	9	9	10	11	11	11	12	13	12	13
July	17	16	16	15	15	16	16	15	13	13	12	12	12	12	11	12	13	14	15	16	15	16	15	17
August	11	11	10	9	9	10	9	8	7	7	7	6	6	6	6	6	6	7	8	8	9	9	9	10
September	8	8	7	8	7	6	7	8	7	8	7	7	7	8	8	8	7	7	8	8	8	8	9	9
October	6	6	7	7	6	7	7	6	6	6	7	7	6	6	5	5	5	5	5	5	5	5	5	5
November	6	6	7	7	6	7	6	6	5	5	6	6	6	6	5	5	4	4	5	6	7	7	6	6
December	10	10	10	10	10	10	10	9	9	9	9	9	8	8	7	6	5	5	7	7	7	9	10	10
Mean	10	10	10	10	10	10	10	9	9	9	10	10	9	9	8	8	7	7	8	9	9	9	9	10

TABLE III.

Kodaikanal mean hourly sunshine for the year 1927.

Month.	Hours.											
	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18
January	0·10	0·63	0·70	0·65	0·72	0·78	0·78	0·71	0·60	0·49	0·46	0·23
February	·22	·80	·95	·92	·84	·82	·78	·72	·58	·45	·39	·14
March	·34	·73	·81	·76	·69	·67	·62	·56	·42	·29	·23	·08
April	·44	·83	·86	·85	·80	·73	·67	·66	·64	·58	·41	·07
May	·30	·60	·74	·88	·87	·85	·80	·67	·60	·44	·29	·02
June	·08	·44	·49	·49	·48	·50	·33	·26	·17	·17	·14	..
July	·05	·18	·15	·24	·25	·27	·25	·21	·17	·11	·04	..
August	·17	·48	·63	·70	·66	·44	·30	·21	·19	·10	·04	..
September	·16	·58	·62	·62	·49	·39	·32	·17	·15	·14	·10	·02
October	·23	·56	·70	·76	·72	·58	·51	·47	·36	·25	·25	·08
November	·18	·60	·68	·68	·67	·57	·68	·46	·39	·32	·20	·07
December	·07	·61	·74	·81	·84	·79	·75	·65	·58	·42	·37	·11
Mean	0·20	0·59	0·67	0·70	0·67	0·62	0·56	0·48	0·40	0·31	0·24	0·07

TABLE IV.

KODAIKANAL OBSERVATORY.

Number of days in each month on which the Nilgiris were visible in 1927.

Month.	Very clear.	Visible.	Just visible.	Top only visible.	TOTAL.
January	3	11	6	1	21
February	2	7	5	1	15
March	..	3	3	2	8
April	1	1	..	..	2
May	5	3	1	..	9
June	5	..	4	..	9
July	..	2	1	..	3
August	..	2	..	..	2
September	8	8	3	..	19
October	3	7	3	..	13
November	1	4	1	4	10
December	3	8	3	1	15
TOTAL	31	56	30	9	126

TABLE V.

Madras Observatory.—Monthly and annual abnormals of the meteorological elements for the year 1927.

Abnormals of	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December	Annual.
Atmospheric pressure reduced to sea level and gravity.	—0·035	—0·013	—0·056	—0·040	—0·004	—0·007	—0·014	+0·001	—0·007	+0·037	—0·003	+0·015	—0·009
Temperature of air . . .	+1·9	+2·3	+2·4	+1·4	+1·8	+1·6	+2·1	+1·7	+0·6	+2·2	Normal	+1·1	+1·6
Temperature of evaporation .	+2·8	+2·3	+1·8	+0·7	+0·8	+3·0	—0·1	+0·8	+1·1	+0·5	—0·5	+0·7	+0·9
Percentage of humidity . .	+4	+1	—2	—2	—2	—2	—6	—2	+3	—6	—2	—1	—1
Maximum in shade . .	+0·8	+2·1	+1·5	+2·0	+2·3	+0·9	+1·0	+1·8	—0·6	+2·5	—0·6	+0·3	+1·2
Minimum in shade . .	+1·0	+1·7	+2·8	+1·8	+1·1	+0·8	+1·5	+1·3	+0·5	+1·2	—0·1	+0·5	+1·2
Minimum on grass . .	+3·8	+4·7	+4·0	+2·4	+1·3	+1·0	+1·4	+1·7	+1·0	+1·7	—2·6	+0·3	+1·8
Rainfall in inches . .	—0·34	—0·28	—0·39	—0·62	—1·75	+1·69	—2·79	—0·85	—1·68	—8·56	+1·93	—2·98	—16·62
Rainfall since January 1st . .	—0·34	—0·62	—1·01	—1·63	—3·38	—1·69	—4·48	—5·33	—7·01	—15·57	—13·64	—16·62	..
General direction of wind . .	1 pt. N.	3 pts. S.	Normal	1 pt. E.	3 pts. E.	1 pt. S.	1 pt. W.	1 pt. S.	1 pt. S.	4 pts. S.	Normal	1 pt. N	1 pt. F.
Daily velocity in miles . .	—12	+22	—8	+5	—20	—16	—8	—15	—21	+11	—2	—18	—7
Percentage of cloudy sky . .	+14	+11	+22	+1	+4	+1	+9	+5	+1	—4	+1	—5	+4
Percentage of bright sunshine .	+1·7	+1·5	+0·6	+8·6	+8·6	+4·1	+2·7	+6·2	+13·0	+10·4	+4·9	+12·6	+6·3

+ means above normal ; — means below normal.

TABLE VI.

Madras Observatory.—Number of hours of wind from each point in the year 1927.

Month.	N.	1	2	3	4	5	6	7	E	9	10	11	12	13	14	15	S	17	18	19	20	21	22	23	W	25	26	27	28	29	30	31	Calm.
Jan. .	95	150	35	33	49	60	129	33	40	11	13	2	18	21	3	1	..	1	3	..	..	..	..	..	..	..	..	..	..	..	6	28	13
Feb. .	..	..	1	3	47	71	63	2	3	32	87	45	37	47	62	91	32	1	13	5	9	5	4	..	2	..	..	..	..	..	..	..	10
March .	..	..	..	..	..	..	2	6	20	33	133	233	118	48	69	13	27	10	7	1	..	..	..	..	..	..	..	..	..	..	..	..	24
April .	1	..	..	..	3	18	13	20	28	54	74	101	167	78	46	50	31	7	6	..	1	..	2	..	..	1	..	..	..	..	..	..	19
May .	2	3	1	1	7	26	27	49	24	58	48	86	60	58	43	62	44	27	27	20	18	9	17	2	4	5	2	2	2	1	2	..	7
June .	11	2	5	4	4	2	5	4	12	19	25	42	28	16	27	39	39	30	42	54	43	55	58	34	25	12	28	11	8	12	14	10	1
July .	1	..	..	1	1	3	6	2	2	3	15	9	17	5	12	10	20	21	56	67	49	86	186	57	24	13	38	19	10	2	5	1	3
August .	2	..	1	..	1	1	2	4	8	3	19	57	37	41	28	22	25	30	79	35	41	69	134	49	25	16	4	5	1	2	..	1	2
Sept. .	3	..	2	2	7	4	7	9	6	53	124	50	24	28	49	24	18	21	41	30	29	30	36	21	15	19	30	9	10	5	3	4	7
Oct. .	11	10	87	52	15	8	18	8	19	36	18	39	52	6	12	14	14	8	19	20	14	21	47	13	15	12	12	22	13	23	44	35	7
Nov. .	58	72	39	16	19	24	21	21	13	17	34	9	5	4	10	4	8	5	8	9	4	4	8	4	1	3	3	12	11	49	121	102	2
Dec. .	88	146	246	100	19	12	19	6	1	1	1	2	..	..	..	..	1	..	..	..	..	..	4	..	1	1	7	1	1	10	26	49	2
Annual total	272	383	417	212	172	229	312	164	176	320	591	675	563	352	361	330	259	161	301	241	207	279	496	180	112	82	124	81	56	104	221	230	97

TABLE VII.

Madras Observatory.—Number of miles of wind from each point in the year 1927.

Month.	N.	1	2	3	4	5	6	7	E	9	10	11	12	13	14	15	S	17	18	19	20	21	22	23	W	25	26	27	28	29	30	31	TOTAL.
Jan.	344	890	322	160	321	442	645	143	196	81	76	17	80	86	22	6	..	3	14	..	..	..	..	..	..	..	..	..	..	..	70	184	4,102
Feb.	..	..	10	26	250	480	320	18	22	183	410	295	179	272	390	596	259	8	103	49	68	41	29	..	14	..	..	..	..	..	..	..	4,022
March	..	..	..	..	..	..	28	60	76	150	694	1,467	676	327	501	109	213	85	60	8	..	..	..	..	..	..	..	..	..	..	..	..	4,449
April	9	..	..	..	14	57	81	113	200	271	445	895	1,657	746	423	488	350	6[illegible]	44	..	8	..	17	..	..	8	..	..	..	..	..	..	5,893
May	8	19	8	9	63	159	226	237	167	473	460	961	514	459	412	497	420	234	225	198	175	98	190	21	33	39	15	11	17	8	8	..	6,414
June	85	21	43	27	35	19	38	39	92	139	201	358	244	178	272	320	279	203	353	474	366	498	552	235	209	105	217	118	65	95	117	80	6,127
July	6	..	..	10	8	6	45	15	13	16	119	67	133	36	93	48	125	84	350	416	406	653	1,737	542	203	106	318	155	100	27	44	10	4,907
August	14	..	10	..	7	7	13	29	49	18	155	438	206	262	166	90	110	178	398	152	242	487	1,117	377	183	125	36	10	2	20	..	6	5,889
Sept.	11	..	2	7	24	18	58	46	44	255	779	413	177	184	222	119	84	119	243	175	151	129	185	115	96	122	129	43	43	31	15	11	4,050
Oct.	57	86	455	429	164	54	80	50	64	111	107	193	257	26	68	70	70	55	112	89	69	106	236	77	87	58	73	123	37	106	291	264	4,154
Nov.	372	552	293	73	133	147	111	132	79	83	196	67	53	49	65	49	101	53	61	52	7	34	61	30	1	39	28	97	59	275	792	735	4,882
Dec.	497	794	2,151	834	147	79	80	45	6	4	2	4	..	..	..	..	3	..	..	..	..	..	14	..	3	4	15	2	5	45	122	263	5,119
Annual	1,403	2,362	3,294	1,575	1,166	1,468	1,720	977	1,008	1,784	3,644	5,175	4,176	2,625	2,634	2,392	2,014	1,089	1,963	1,611	1,492	2,046	4,171	1,447	829	606	831	559	328	607	1,459	1,553	60,008

TABLE VIII.

Madras Observatory.—Number of inches of rain with winds from each point in the year 1927.

Month.	N.	1	2	3	4	5	6	7	E	9	10	11	12	13	14	15	S	17	18	19	20	21	22	23	W	25	26	27	28	29	30	31	TOTAL.
Jan.	0·07	..	..	..	0·19	..	0·03	..	..	..	..	..	..	0·26	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0·55
Feb.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
March	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
April	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
May	..	..	..	..	..	..	..	0·03	..	..	..	..	..	..	..	..	0·02	..	..	..	0·14	..	..	..	..	..	..	0·18	..	..	..	..	0·37
June	..	..	..	..	..	..	..	..	..	..	0·25	..	..	..	0·33	..	1·22	0·01	0·09	0·03	0·16	0·04	0·05	0·05	0·01	0·04	0·70	0·65	..	0·17	..	..	3·80
July	..	..	..	0·01	..	..	0·02	..	..	..	0·01	..	0·01	0·01	0·01	0·07	..	0·03	0·24	0·22	0·06	0·07	..	0·02	0·05	0·04	0·11	0·10	..	..	..	..	1·08
August	..	..	..	..	..	0·01	0·91	0·01	0·03	..	..	0·02	0·09	0·29	0·08	..	0·01	0·64	0·42	0·03	0·65	0·01	0·07	0·13	0·31	..	..	..	..	..	..	..	3·71
Sept.	..	..	..	..	..	0·13	..	0·02	..	0·27	..	..	0·08	..	0·23	0·03	0·08	..	0·13	..	0·58	0·04	0·25	0·02	0·10	0·10	..	0·03	0·41	0·51	..	..	3·01
Oct.	0·88	..	0·16	..	0·05	0·01	..	0·06	0·21	0·02	..	0·06	..	..	0·12	0·24	..	..	..	0·02	..	..	0·03	0·02	0·05	0·01	..	0·09	..	..	0·29	0·12	2·44
Nov.	0·43	0·[illegible]8	0·92	0·06	0·89	0·31	0·53	0·66	0·26	0·88	0·06	..	..	0·01	0·29	0·33	0·41	0·11	0·32	3·53	0·04	0·16	1·74	0·12	..	0·59	0·18	0·40	0·25	0·29	0·43	0·43	15·14
Dec.	0·39	0·51	0·24	0·05	..	..	..	..	..	..	..	0·06	..	..	..	..	0·04	..	..	..	..	..	..	..	..	0·06	..	..	0·03	..	0·[illegible]5	0·07	2·30
Annual	1·77	0·99	1·32	0·12	1·13	0·49	1·49	0·78	0·50	1·17	0·32	0·14	0·18	0·57	1·06	0·67	1·78	0·79	1·20	3·83	1·63	0·32	2·14	0·36	0·52	0·84	0·99	1·45	0·69	0·97	1·57	0·62	32·40

TABLE IX.

Madras Observatory.—Wind, Cloud and Bright Sunshine in 1927.

Month.	Wind Resultant.		Cloud (0—10).					Bright Sunshine.		Remarks.
	Velocity.	Direction.	8 h.	10 h.	16 h.	20 h.	Mean.	Average per day.	Greatest number of hours per day.	
	Miles.	Points.						Hours.	Hours.	
January . .	103·7	N.E.	5·5	6·4	5·3	3·0	5·1	7·7	10·0	
February . .	91·5	E.S.E.	4·0	5·1	3·3	1·5	3·5	9·7	10·6	
March . .	131·6	S.E.	5·9	5·8	4·6	1·7	4·6	9·0	11·0	
April . . .	174·1	S.E.	3·5	2·5	2·9	0·6	2·4	9·8	11·7	
May . . .	123·1	S.E.	4·8	4·2	4·6	2·9	4·2	8·6	11·2	
June . . .	94·5	S. W. by S.	6·9	6·1	7·8	5·1	6·5	5·5	11·4	
July . . .	140·7	S.W. by W.	7·8	7·1	8·9	7·9	8·0	4·4	9·4	
August . .	96·1	S. W. by S.	7·2	7·4	7·4	6·6	7·2	5·5	11·2	
September . .	63·3	S. S. E.	6·4	6·4	7·7	4·6	6·3	6·6	11·5	
October . .	27·8	N.N. E.	5·5	6·4	6·3	3·9	5·5	7·1	11·3	
November . .	89·4	N.	6·1	6·6	6·7	4·8	6·0	5·8	10·6	
December . .	155·4	N. N. E.	3·7	6·4	5·0	3·9	4·7	7·4	9·8	
Annual . .	35·0	N. E.	5·6	5·9	5·9	3·9	5·3	7·3	..	

TABLE X.

Mean Monthly and Annual Meteorological Results at the Madras Observatory in 1927.

Month.	Barometer.		Dry Bulb Thermometer.				Wet Bulb.		Tension of Vapour.	Relative Humidity.	Min on Grass.	Wind.			Rain.		Cloudy Sky.	Bright Sunshine.
	Reduced to 32°.	Daily Range.	Mean.	Max.	Min.	Range.	Mean.	Min.	By Simpson's Tables.			Daily Velocity.	Mean Direction.		Amount.	Days.		
	Inches.	Inches.	°	°	°	°	°	°	Inches.	Cents.	°	Miles.	Points	Points.	Inches.	No.	Cents.	Hours.
January	29·963	0·116	77·0	85·4	68·5	16·9	72·0	68·0	0·716	77	66·9	132	4	N. E.	0·55	4	51	239·1
February	·951	0·121	79·0	88·7	69·7	19·0	73·1	69·2	0·734	74	68·5	144	11	S.E. by E.	..	..	35	270·3
March	·850	0·133	82·4	90·7	74·9	15·7	75·7	72·4	0·798	72	72·6	144	12	S.E.	..	..	46	278·2
April	·789	0·137	85·4	94·9	79·0	15·9	78·3	75·1	0·869	72	77·1	196	12	S.E.	..	..	24	293·8
May	·731	0·128	88·5	100·1	81·9	18·2	79·1	75·3	0·866	65	80·2	207	12	S.E.	0·37	3	42	268·2
June	·696	0·121	88·0	99·2	81·1	18·1	77·0	73·2	0·781	60	79·6	204	18	S.S.W.	3·80	12	65	165·9
July	·707	0·116	86·6	96·6	80·0	16·6	75·8	72·5	0·745	59	78·0	190	21	S. W. by W.	1·08	17	80	137·6
August	·750	0·125	85·0	95·5	78·6	16·9	76·8	73·1	0·810	68	77·1	159	18	S.S.W.	3·71	13	72	170·0
September	·770	0·121	83·6	92·6	77·6	15·0	77·4	73·5	0·856	75	76·0	135	15	S. by E.	3·01	13	63	198·0
October	·878	0·115	82·8	91·5	76·4	15·1	76·1	73·0	0·809	72	74·5	134	11	S. E. by E.	2·44	13	55	219·7
November	·921	0·110	77·5	84·4	72·2	12·2	72·4	69·2	0·731	77	66·9	163	2	N.N.E.	15·14	17	60	174·0
December	·993	0·116	76·6	83·9	70·3	13·7	71·3	67·8	0·694	76	67·2	165	1	N. by E.	2·30	5	47	228·1
Annual	29·833	0·122	82·7	92·0	75·9	16·1	75·4	71·9	0·784	71	73·7	164	11	S.E. by E.	32·40	97	53	2,642·9

Extreme Monthly Meteorological Records at the Madras Observatory in 1927.

Month.	Barometer.					Dry Bulb Thermometer.				Wet Bulb.		Humidity.		Grass Therm.		Wind.				Rain.	
	Highest.		Lowest.		Range.	Highest.		Lowest.		Lowest.		Lowest.		Lowest.		Highest.		Lowest.		Greatest Fall.	
	Inches.	Day.	Inches.	Day.	Inches.	°	Day.	°	Day.	°	Day.	Cents.	Day.	°	Day.	Miles.	Day.	Miles.	Day.	Inches.	Day.
January	30·094	30	29·842	13	0·252	88·4	13	62·7	9	62·7	9	55	8, 9	60·9	28	193	25	85	9	0·26	22
February	·115	2	·775	15	·340	98·4	17	65·2	4	65·2	4	49	15	62·6	3, 4	208	16	99	12	..	..
March	29·971	15	·742	30	·229	94·2	21&28	70·2	3	68·6	1, 6	46	15	68·1	3, 16	202	18	69	2	..	..
April	·976	26	·616	30	·360	100·7	6	72·7	2	70·2	2	46	8, 12	70·0	1, 2	196	17	87	2	..	..
May	·864	16	·487	31	·377	108·9	26, 30	77·5	5	71·6	30, 31	25	31	63·9	14	276	11	114	4	0·18	14
June	·876	21	·487	1	·389	108·9	1	75·8	22	70·3	22	26	2	74·1	26	302	16	131	29	1·33	27
July	·870	31	·549	22	·321	101·6	26	75·4	18	70·2	11	31	26	69·1	18	285	11	127	15	0·25	1
August	·894	3	·592	10	·302	100·9	31	73·6	16	70·9	17	35	23	73·6	16	224	9	96	29	1·30	15
September	·916	12	·630	24	·286	100·5	2	72·2	16	70·0	7	44	9	71·8	16	212	15	52	13	0·94	28
October	30·044	20	·698	3	·346	95·9	11, 12	72·1	30	68·9	30	45	6	68·2	30	261	31	72	2	1·17	26
November	·063	20	·470	1	·593	88·0	5	61·6	19	59·2	19	40	19	57·6	19	417	1	82	14	3·20	1
December	·096	26	·884	14	·212	85·6	1	64·7	31	62·6	31	57	31	60·2	31	238	7	73	28	1·61	6

TABLE XI.

Monthly and annual means of Meteorological observations made at the Madras Observatory at 20 hrs. during the year 1927.

Month.	Barometer reduced to 32°F.	Dry Bulb.	Wet Bulb.	Vapour Tension.	Humidity.	Cloud.	Wind Direction.
January . . .	29·978	76·7	72·4	0·737	80	30	N E
February .	·956	78·5	73·8	0·769	79	15	S E by E
March . . .	·856	81·2	76·5	0·848	80	17	S E by E
April . .	·790	83·5	79·1	0·933	81	6	E S E
May . . .	·738	85·8	80·5	0·970	79	29	S E by E
June . . .	·697	86·0	78·2	0·860	71	51	S S E
July . . .	·711	85·8	76·5	0·794	66	79	S W by S
August . . .	·749	83·1	78·1	0·892	79	66	S by E
September . .	·777	82·4	78·6	0·924	84	46	S E
October . . .	·892	81·7	76·5	0·842	78	39	E by S
November . .	·948	76·7	72·9	0·764	83	48	W S W
December . .	30·009	75·8	71·2	0·701	79	39	N N E
Annual . . .	29·842	81·4	76·2	0·836	78	39	S E

TABLE XII.

Mean hourly wind velocity recorded by the Dines Pressure Tube anemometer at the Madras Harbour for the year 1927.

Month.	m	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Total.
January	8	7	7	7	7	7	7	6	6	7	8	8	8	8	8	8	9	9	9	9	10	10	9	9	191
February	7	6	6	5	5	5	4	5	6	7	7	8	9	9	9	9	9	9	9	9	9	9	8	7	176
March	8	8	7	7	7	6	6	6	8	9	9	10	11	11	11	11	11	11	10	10	10	10	9	9	215
April	10	10	9	9	9	8	9	9	11	12	14	14	15	14	14	14	13	12	12	12	11	11	11	11	274
May	10	10	10	10	10	10	9	10	10	10	11	12	12	13	13	13	13	14	14	14	14	13	12	11	278
June	10	10	10	9	9	8	8	8	9	10	9	9	10	10	10	10	10	10	10	11	11	11	11	10	233
July	6	7	7	6	6	6	6	7	8	10	11	11	11	11	10	10	9	9	7	7	7	7	7	7	193
August	9	9	9	9	9	9	9	10	11	12	12	11	12	11	12	12	12	11	11	11	10	10	9	9	219
September	9	8	8	8	8	7	7	7	7	8	8	8	8	8	9	9	10	9	9	9	10	9	9	9	201
October	8	8	7	7	7	7	8	8	9	9	9	9	10	10	10	10	9	9	9	10	9	9	9	8	208
November	13	12	12	11	11	12	12	13	13	13	14	14	15	15	15	15	15	15	15	14	13	13	13	13	321
December	13	13	12	11	11	11	11	11	12	12	13	14	14	14	14	14	14	14	15	15	15	15	14	12	314
Annual	9	9	9	8	8	8	8	9	9	10	10	11	11	11	11	11	11	11	11	11	11	11	10	10	238

TABLE XIII.

Monthly means of the Meteorological observations recorded at the Lahore Observatory at 6 hrs. and 22 hrs. during the year 1927.

Serial No.	Month.	Barometer reduced to 32°F.		Corrected Dry Bulb.		Corrected Wet Bulb.		Humidity.		Cloud amount.	
		6 hrs.	22 hrs.	6 hrs.	22 hrs.	6 hrs.	22 hrs.	6 hrs.	22 hrs.	6 hrs.	22 hrs.
1	January . .	29·287	29·313	40·2	47·6	38·2	44·2	83	74	3·71	1·13
2	February . .	29·252	29·270	46·3	52·7	44·6	49·3	87	78	4·29	2·75
3	March . .	29·097	29·118	54·1	64·2	49·0	55·7	68	57	1·16	0·94
4	April . .	29·006	29·017	64·9	76·1	57·5	63·2	62	48	4·10	2·17
5	May . .	28·935	28·931	74·3	83·1	65·1	69·2	60	48	2·35	2·42
6	June . .	28·819	28·807	81·4	88·6	70·7	74·1	59	49	2·40	2·10
7	July .	28·775	28·762	83·5	88·2	79·6	82·2	84	77	6·13	3·03
8	August . .	28·855	28·829	81·0	86·1	78·3	80·8	88	79	4·45	1·23
9	September .	28·966	28·939	74·3	82·3	65·8	73·6	76	65	0·83	0·37
10	October . .	29·136	29·140	64·4	73·4	60·6	66·3	79	67	0·35	0·48
11	November .	29·281	29·286	52·8	60·7	50·2	55·6	83	71	1·43	0·77
12	December .	29·330	29·351	48·7	53·9	46·9	51·6	87	85	3·61	2·48

TABLE XIV.

Monthly mean values of Meteorological elements derived from hourly tabulations of autographic records at the Bombay Observatory for the year 1927.

Month.	Barometric* pressure.	Air temperature.	Vapour tension (in inches of mercury).	Relative Humidity.
	Inches.	°F.	Inches.	Per cent.
January	29·924	72·4	·528	66
February	·928	74·3	·558	66
March	·826	77·8	·637	67
April	·802	81·1	·759	72
May	·790	84·4	·855	73
June	·696	82·9	·906	81
July	·657	80·9	·896	85
August	·743	79·9	·855	84
September	·780	80·9	·872	83
October	·886	81·4	·844	79
November	·911	76·4	·640	70
December	·957	76·0	·654	73
YEAR	29·825	79·0	·750	75

* Reduced to Calcutta H. Standard.

TABLE XV.

Monthly means of Meteorological elements at Trivandrum for 1927.

Month.	Newman's Barometer (reduced to 32°F.).			Dry Bulb Temperature.			Wet Bulb Temperature.			Mean temperature of the Dew point.	Vapour Pressure.			Humidity.			Cloud.			Sunshine.	Maximum in Sun.	Minimum on grass.
	Hr. 6.	Hr. 14.	Hr. 20.	Hr. 6.	Hr. 14.	Hr. 20.	Hr. 6.	Hr. 14.	Hr. 20.		Hr. 6.	Hr. 14.	Hr. 20.	Hr. 6.	Hr. 14.	Hr. 20.	Hr. 6.	Hr. 14.	Hr. 20.			
January	29·701	29·645	29·724	75·1	83·1	80·2	71·2	75·9	75·5	71·0	·729	·791	·815	84	71	79	36	49	35	7·9	136·3	68·6
February	·727	·670	·736	76·4	84·5	81·3	73·1	76·7	76·5	71·7	·772	·811	·853	85	67	79	46	36	24	9·1	140·2	70·1
March	·642	·597	·659	78·6	85·7	82·7	75·6	78·2	77·9	63·6	·845	·861	·891	86	70	79	73	70	60	7·1	142·4	72·8
April	·637	·587	·634	80·2	86·1	83·4	77·0	78·6	78·6	74·5	·885	·877	·911	86	71	80	53	54	57	6·4	139·3	75·1
May	·655	·616	·673	78·3	84·9	81·2	76·0	78·3	77·9	74·8	·867	·890	·909	81	71	85	84	73	64	5·7	135·0	71·1
June	·651	·634	·679	75·8	80·2	78·0	74·3	76·6	75·6	74·0	·824	·867	·852	93	84	89	85	94	79	3·8	130·1	71·2
July	·666	·641	·697	74·9	80·3	77·4	73·1	75·7	74·8	72·9	·787	·827	·827	91	80	87	96	92	67	4·3	132·4	71·2
August	·676	·644	·693	75·7	82·1	78·7	74·0	76·3	75·5	73·1	·814	·823	·838	92	76	86	84	82	41	6·4	135·6	71·3
September	·660	·609	·679	75·5	81·8	74·5	73·6	76·1	75·2	72·9	·849	·820	·831	91	77	87	80	76	61	5·1	135·2	70·6
October	·731	·668	·746	75·3	82·7	78·9	73·2	76·2	75·6	72·3	·788	·815	·840	90	73	85	66	67	48	7·6	139·6	70·9
November	·719	·657	·750	75·2	82·8	79·1	72·8	76·2	75·6	71·9	·774	·813	·836	89	73	84	66	66	56	6·4	141·2	70·3
December	·731	·671	·755	75·6	83·5	80·6	72·5	76·3	75·9	71·2	·755	·810	·830	85	71	79	39	35	31	9·1	139·7	70·6
Year	29·688	29·637	29·702	76·4	83·1	79·7	73·9	76·8	76·2	72·8	·807	·834	·858	88	74	83	67	66	52	6·6	137·3	71·3

TABLE XVI.

Frequency of wind direction at Trivandrum Observatory for 1927.

6 Hours.

Month.	C 0	N N E 1	N E 2	E N E 3	E 4	E S E 5	S E 6	S S E 7	S 8	S S W 9	S W 10	W S W 11	W 12	W N W 13	N W 14	N N W 15	N 16	TOTAL.
January	9	1	11	1	6	..	..	..	..	..	..	..	..	..	..	..	3	
February	4	..	13	1	3	..	..	..	..	..	..	..	..	..	..	..	7	
March	8	..	12	2	..	..	..	..	..	..	..	..	..	..	2	..	7	
April	1	..	6	..	1	..	..	..	2	..	..	..	..	1	2	1	16	
May	6	..	3	..	..	..	..	..	..	..	..	..	..	..	7	2	13	
June	9	..	..	..	..	..	..	..	..	..	1	..	3	..	5	..	12	
July	3	..	1	..	..	..	..	..	..	..	..	..	1	..	7	1	18	
August	5	..	..	..	..	..	..	..	..	..	..	..	2	1	6	3	14	
September	6	..	1	..	2	..	..	..	1	..	..	1	..	..	3	..	16	
October	11	..	3	..	..	..	..	..	..	..	..	..	1	..	3	1	12	
November	10	2	6	..	1	..	2	..	..	..	..	..	..	..	2	..	7	
December	14	1	6	..	7	..	1	..	..	..	..	..	..	..	..	..	2	
TOTAL	86	4	62	4	20	..	3	..	3	..	1	1	7	2	37	8	127	365

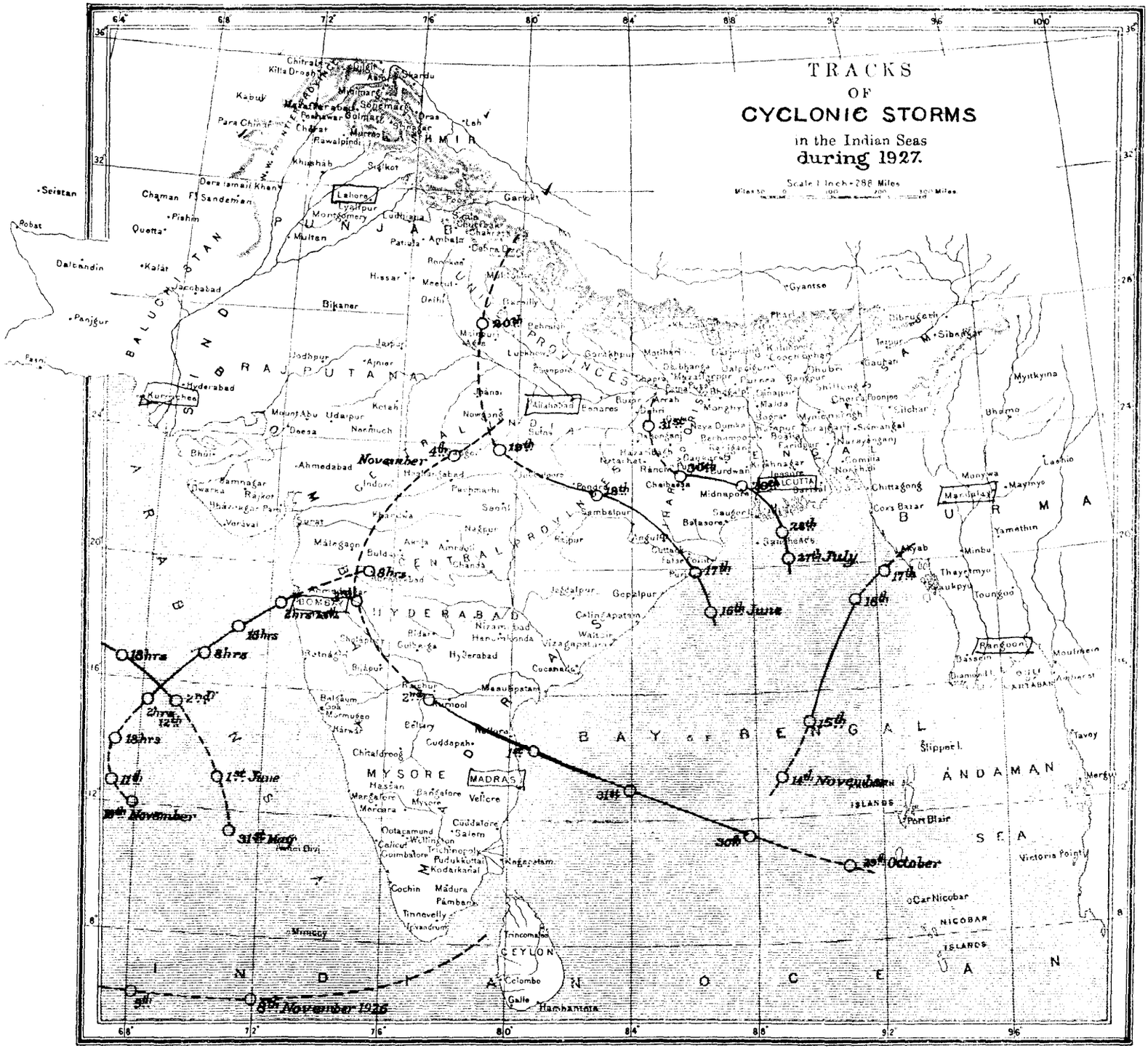
14 Hours.

Month.	C 0	N N E 1	N E 2	E N E 3	E 4	E S E 5	S E 6	S S E 7	S 8	S S W 9	S W 10	W S W 11	W 12	W N W 13	N W 14	N N W 15	N 16	TOTAL.
January	2	..	..	..	..	..	1	..	5	1	14	1	7	..	..	..	..	
February	..	..	1	..	1	..	..	..	..	..	21	..	4	1	..	..	..	
March	2	..	..	..	..	..	..	..	..	..	14	5	9	..	..	..	1	
April	2	..	..	..	1	..	..	..	..	..	6	2	15	..	1	..	3	
May	2	..	..	..	..	..	..	..	..	..	..	1	21	3	3	..	1	
June	..	..	..	..	..	..	..	..	..	..	..	3	6	1	18	..	2	
July	..	..	..	..	..	..	..	..	..	..	..	..	11	5	10	1	4	
August	..	..	..	..	..	..	..	..	..	..	1	1	17	4	8	..	..	
September	1	..	..	..	..	..	..	..	2	..	6	..	13	4	4	..	..	
October	1	..	1	..	..	..	..	..	2	..	8	..	16	..	2	..	1	
November	..	..	..	..	..	..	..	..	2	..	7	3	17	1	..	..	..	
December	..	..	..	..	..	..	..	..	1	..	19	4	7	..	..	..	..	
TOTAL	10	..	2	..	2	..	1	..	12	1	96	20	143	19	46	1	12	365

20 Hours.

Month.	C 0	N N E 1	N E 2	E N E 3	E 4	E S E 5	S E 6	S SE 7	S 8	S S W 9	S W 10	W S W 11	W 12	W N W 13	N W 14	N N W 15	N 16	TOTAL.
January	21	..	..	..	..	..	..	..	..	..	4	..	5	..	..	..	1	
February	13	..	1	..	..	..	..	..	..	..	4	..	4	1	..	..	5	
March	16	..	..	..	..	..	..	..	1	..	1	1	8	..	4	..	..	
April	3	..	..	..	2	..	..	..	..	..	4	..	15	..	4	..	2	
May	8	..	1	..	..	..	..	..	..	..	..	..	3	3	12	..	4	
June	3	..	..	..	..	..	..	..	..	..	..	1	7	5	8	..	6	
July	..	..	..	..	..	..	..	..	..	..	..	..	9	1	16	1	4	
August	..	..	..	..	..	..	..	..	..	..	..	..	15	3	10	..	3	
September	9	..	..	..	..	..	..	..	..	..	..	1	3	1	9	1	6	
October	7	1	4	..	..	..	2	..	..	..	..	..	8	..	7	..	2	
November	12	..	..	..	2	..	..	..	..	..	..	..	4	..	7	1	4	
December	17	..	2	..	..	..	1	..	1	..	5	..	5	..	..	..	..	
TOTAL	109	1	8	..	4	..	3	..	2	..	18	3	86	14	77	3	37	365

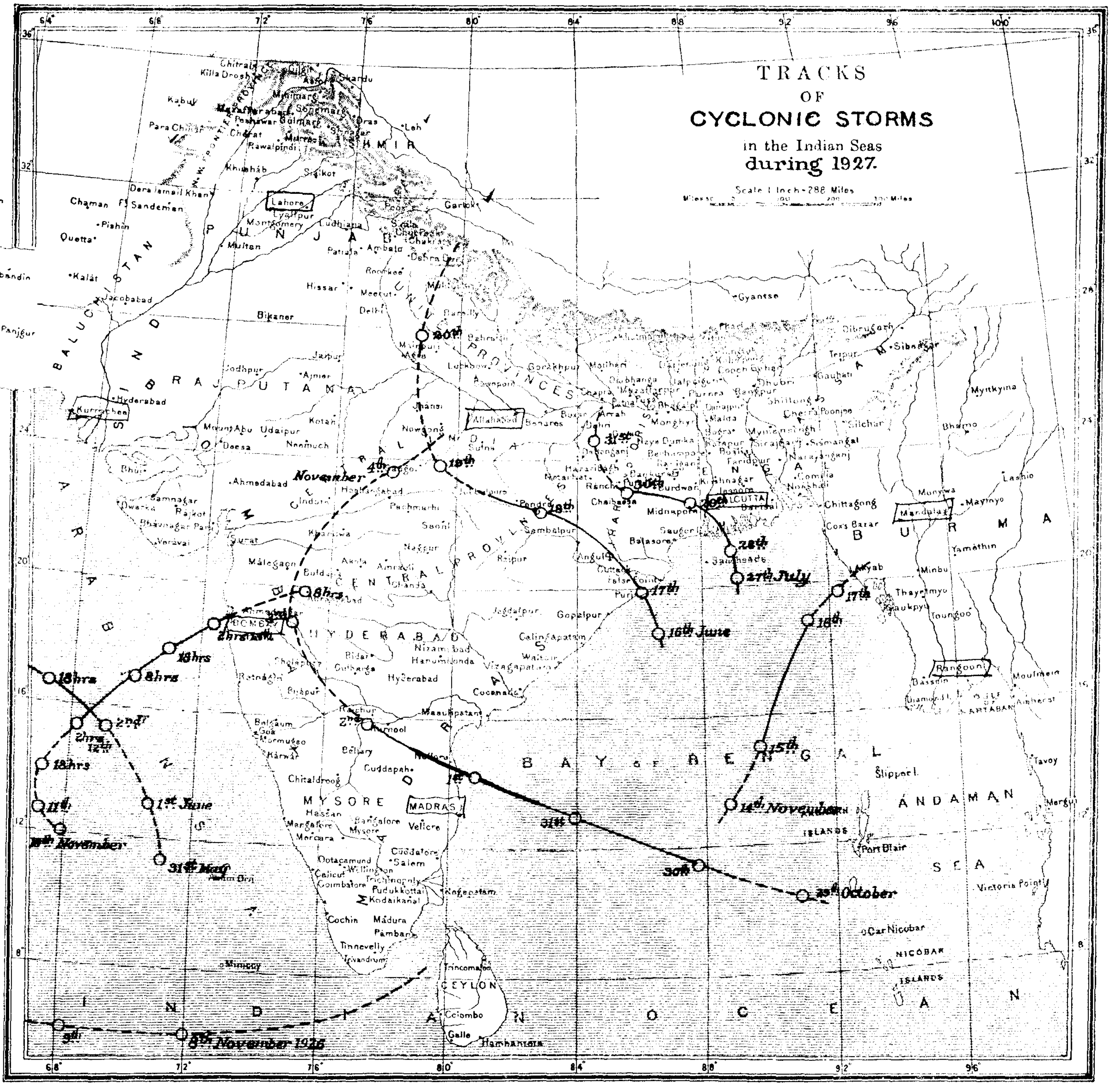
V. SIVA RAMA KRISHNA IYER,
Govt. Meteorologist, Trivandrum Observatory.



The tracks in the Arabian Sea of the storms of 8th to 15th November 1926, and 31st May to 8th June 1927, which lie outside the boundaries of the map, are defined by the following positions:-

	Lat. N	Long. E	Lat. N	Long. E	Lat. N	Long. E	Lat. N	Long. E	Lat. N	Long. E	Lat. N	Long. E
(1) 10th November 1926	7°	65°;	11th 7°	63°;	12th 7°	60°;	13th 8°	56°;	14th 9°	55°;	15th 10°	53°.
(2) 3rd June 1927	17°	66°;	6th 18°	62°;	7th 18°	60°;	8th 19°	58°.				

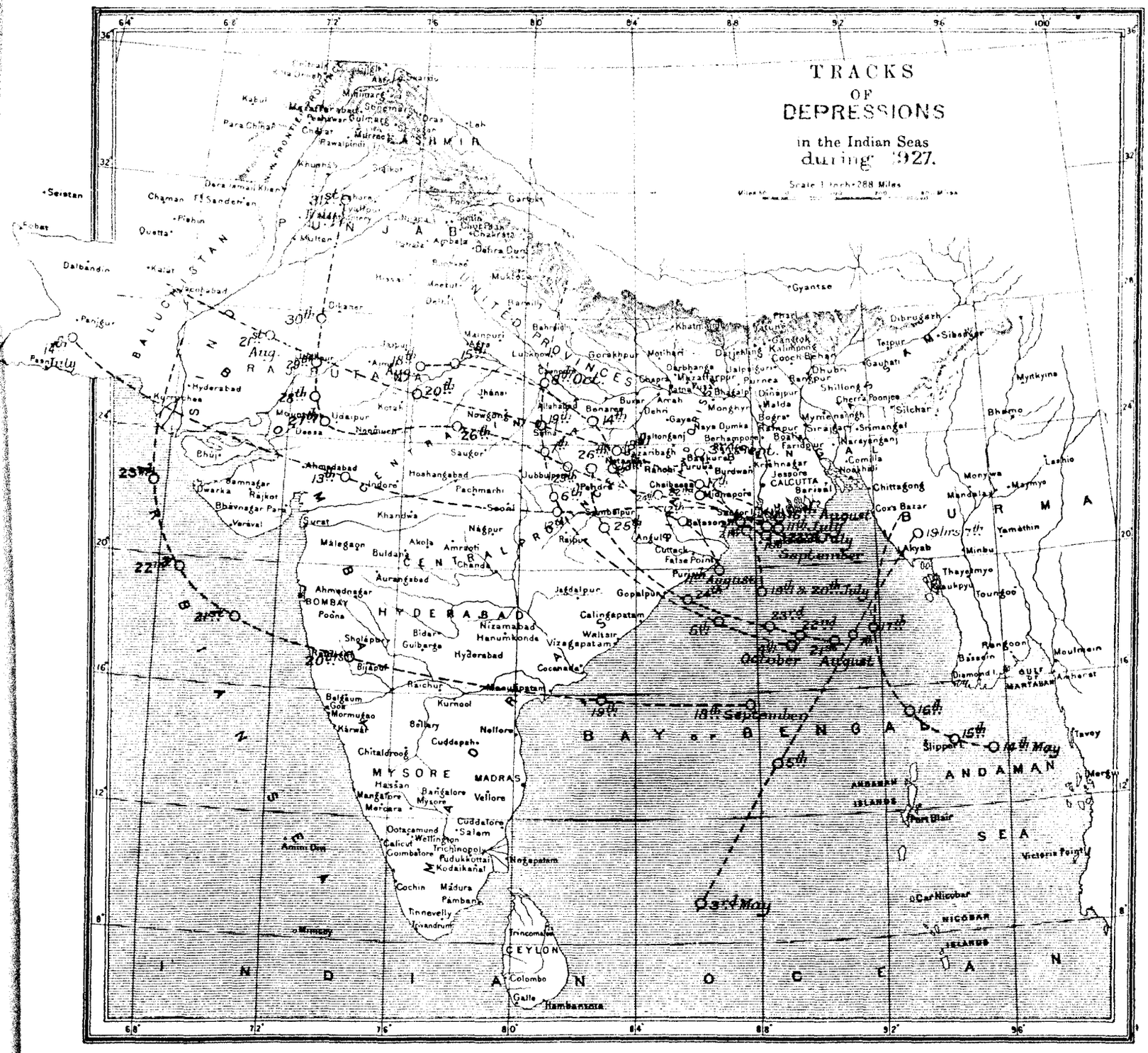
---------- Depression ———— Storm ———— Severe storm



The tracks in the Arabian Sea of the storms of 8th to 15th November 1926; and 31st May to 8th June 1927, which lie outside the boundaries of the map, are defined by the following positions:-

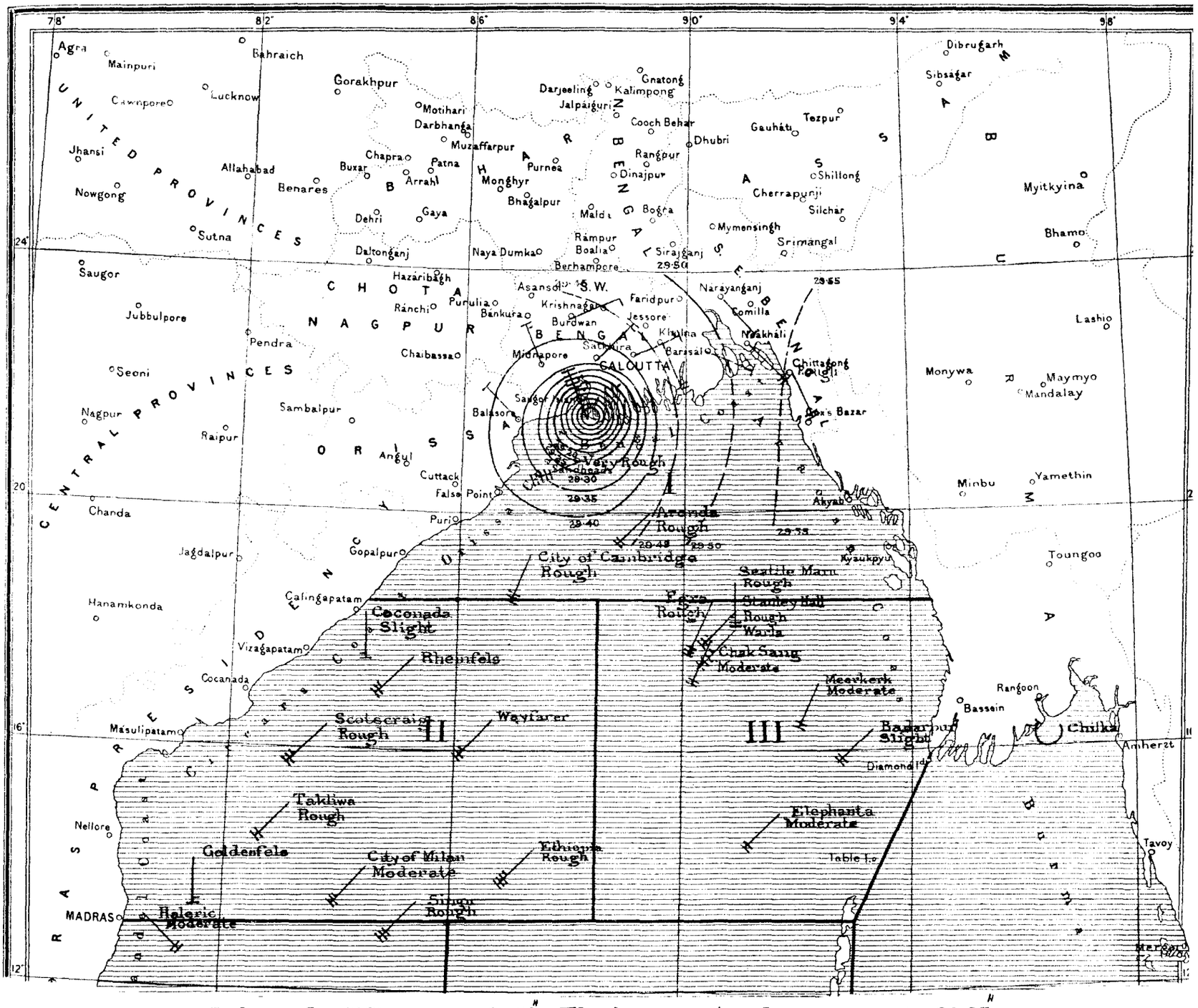
	Lat. N	Long. E		Lat. N	Long. E		Lat. N	Long. E		Lat. N	Long. E		Lat. N	Long. E		Lat. N	Long. E
(1) 10th November 1926	7°	65°;	11th	7°	63°;	12th	7°	60°;	13th	8°	56°;	14th	9°	55°;	15th	10°	53°.
(2) 3rd June 1927	17°	66°;	6th	18°	62°;	7th	18°	60°;	8th	19°	58°.						

----------Depression ———— Storm ▬▬▬▬ Severe storm

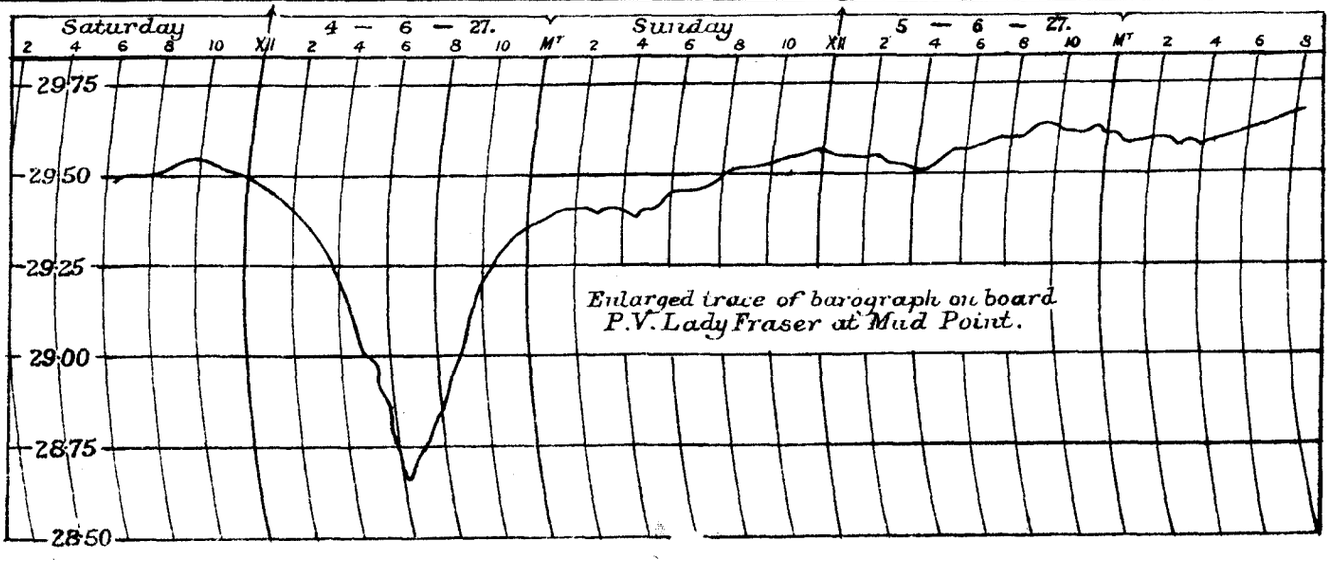

TRACKS
OF
DEPRESSIONS
in the Indian Seas
during 1927.
Scale 1 inch=288 Miles
BALUCHISTAN
PUNJAB
UNITED PROVINCES
RAJPUTANA
CENTRAL PROVINCES
BOMBAY
HYDERABAD
MYSORE
MADRAS
BENGAL
ASSAM
BURMA
CALCUTTA
CEYLON
ANDAMAN ISLANDS
NICOBAR ISLANDS
BAY OF BENGAL
INDIAN OCEAN
ANDAMAN SEA
GULF OF MARTABAN
31st July
31st Aug.
30th
29th
28th
27th
26th
25th
24th
23rd
22nd
21st
20th
19th
18th
17th
16th
15th
14th
13th
12th
11th
10th
9th
8th
7th
6th
5th
4th
3rd
2nd
1st
19th July
18th & 20th July
18th September
14th May
3rd May
1st August
10th August
23rd August
6th October
19th July
7th July

WEATHER CHART 4th June 1927, - 15hrs

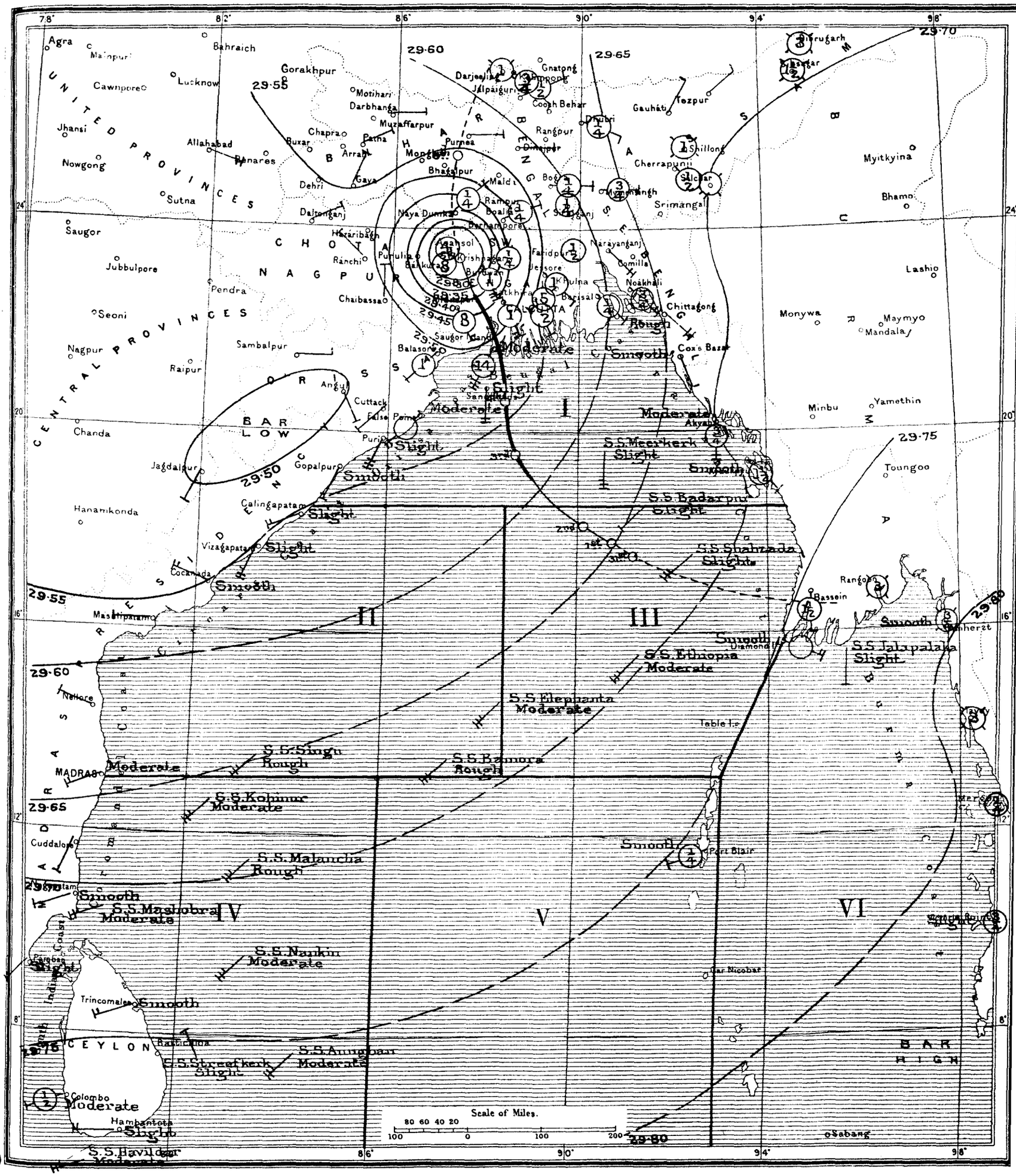
Plate III.



Isobars for differences of .05". The innermost isobar represents 28·95".



WEATHER CHART 5th June 1927. 8hrs. Plate IV.



P.T.O.

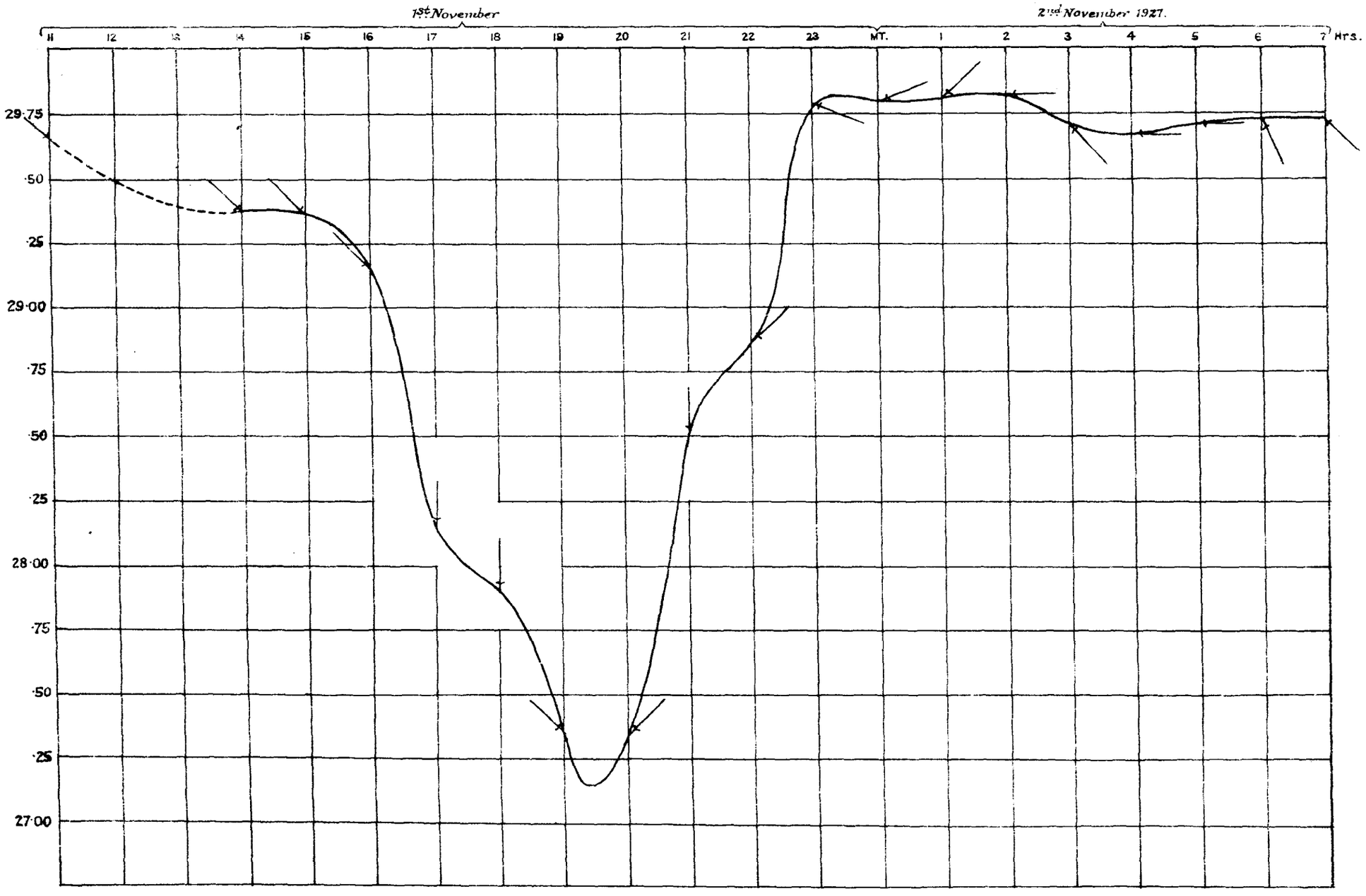
The weather map on the back is for 8 hrs. on the 5th June. On this map the complete track of the storm is shown. The 8 hrs. positions of the centre on each day are marked. The dotted portion of the track indicates the depression stage, and the thick line, represents the period when the storm was severe.

Guide to the chart.

WIND.	RAIN.
× = Calm	0" to ·09" Neglected
= 1 to 2 Miles	◯ = ·10" to ·17"
= 3 „ 6 „	(¼) = ·18" „ ·37"
= 7 „ 9 „	(½) = ·38" „ ·67"
= 10 „ 13 „	(¾) = ·68" „ ·87"
= 14 „ 18 „	(1) = ·88" „ 1·24"
= 19 „ 29 „	(1½) = 1·25" „ 1·74"
= Above 29 „	(2) = 1·75" „ 2·50"
	(3) = 2·51" „ 3·49"
	and so on.

Pressure and wind direction at Nellore during passage of Cyclone

Plate V.



ERRATA SHEETS.

For the Monthly Weather Reports, January to December 1927.

MARCH 1927.

Reference.	Figure Column.	For	Read
Dibrugarh . . .	16 and 17.	5·40 and +0·81.	5·47 and +0·88.
Silchar	16, 17, 18 and 19.	3·84, —4·07, 4 and —5·4.	4·11, —3·80, 5 and 4·4.
Barisal	17.	+0·28.	—0·28.
Mymensingh . . .	3.	N 89 E.	S 88 E.
Chaibasa . . .	5.	72·5.	72·4.
Darbhanga . . .	15.	1·6.	1·7.
Gorakhpur . . .	3.	E (*b*).	E.
Benares . . .	3.	S 33 W.	S 49 W.
Cawnpore . . .	4.	3·1.	2·9.
Kotah	4.	3·1.	2·7.
Amraoti . . .	16 and 17.	0·83 and +0·52.	0·86 and +0·55.
Hoshangabad . .	1 and 2.	28·849 and —·033.	28·850 and —·032.
Nagpur . . .	16, 17, 18 and 19.	0·85, +0·33, 4 and +2·7.	0·75, +0·23, 3 and +1·7, and omit (*e*, against the station.
Ratnagiri . . .	4.	6·7.	6·8.
Karwar . . .	1 and 2.	29·826 and —·026.	29·828 and —·024.
Aurangabad . . .	16 and 17.	0·22 and —0·02.	0·21 and —0·03.
Nizamabad . . .	16 and 17.	0·63 and +0·16.	0·71 and +0·24.
Hyderabad (Deccan) .	3.	S 60 E.	S 63 E.
Hanamkonda . .	1 and 2.	28·951 and —·050.	28·953 and —·048.
Mysore	10 and 11.	70·3 and +2·9.	70·2 and +2·8.
Cochin	1, 2, 4, 13, 14 and 15.	29·831, —0·46, 4·4 (c), 77, +1 and 4·8.	29·830, —·047, 4·5, 78, +2 and 4 7, and omit (*b*) against the station.
Bellary	1, 2 and 3.	28·334, —·062 and S 9 E.	28·333, —·063 and S 4 E.
Kurnool . . .	7 and 8.	101·0 and +0·6.	101·3 and +0·9.
Calingapatam . .	16 and 17.	2·55 and +2·09.	3·17 and +2·71.
Mukteswar . . .	1 and 2.	22·758 and —·046.	22·759 and —·045.
Page 24, Footnote . .	—	(*e*) Mean of 27 days.	(*e*) Mean of 26 days.

APRIL 1927.

Reference.	Figure Column.	For	Read.
Page 25, 3rd line from bottom.	....	alomst.	almost.
Page 26, 3rd line of last paragraph.	....	obseravations.	observations.
Victoria Point . .	5, 6, 10, 11, 15, 16, 17, 18 and 19.	81·9, 77·5, 76·1, —1·1, 4·9, 12·10, +8·22, 15 and +8·4.	81·7, 77·4, 76·0, —1·2, 5·0, 12·39, +8·51, 16 and +9·4, and omit (*c*) against the station.
Kyaukpyu . . .	6.	81·1.	81·2.
Akyab	1, 2, 3, 4, 6, 10, 11 and 15.	29·785, —·035, N 78 E, 8·5 (*f*), 76·6, 75·2, —0·1, 5·3.	29·786, —·034, S 86 E, 8·3 (*d*), 76·7, 75·3, 0 and 5·2, and omit (*c*) against the station.
Myitkyina . . .	10 and 11.	65·5 and —1·1.	65·4 and —1·2.
Dibrugarh . . .	16 and 17.	11·71 and +1·63.	11·74 and +1·66.
Barisal	1 and 2.	29·745 and —·037.	29·743 and —·039.
Bogra	4.	1·5.	1·1.
Balasore . . .	7 and 8.	98·5 and +1·8.	98·2 and +1·5.
Darbhanga . . .	6, 13 and 15.	71·0, 61 and 1·0.	70·5, 59 and 1·1.
Page 29 . . .		*Add* the footnote "(*d*) mean of 28 days."	
Benares . . .	3.	S 51 W.	S 67 W.
Allahabad . . .	1 and 2.	29·397 and —·039.	29·396 and —·040.
Delhi	1 and 2.	28·996 and —·034.	28·993 and —·037.
Ludhiana . . .	3.	N 17 E.	N 7 E.
Lahore	1 and 2.	29·005 and —·038.	29·003 and —·040.
Khushab . . .	1 and 2.	29·124 and —·029.	29·126 and —·027.
Leh	4.	2·0.	1·5.
Pasni	7, 8, 10 and 11.	77·8, —10·9, 66·9 and —0·6.	78·1, —10·6, 67·0 and —0·5.
Cuddalore . . .	16 and 17.	1·70 and +1·10.	1·69 and +1·09.
Nellore	1 and 2.	29·704 and —·036.	29·705 and —·035.
Murree	4.	5·8.	5·9.
Parachinar . . .	1 and 2.	24·380 and —·010.	24·378 and —·012.
Kodaikanal . . .	13, 14, 16, 17, 18 and 19.	52, —8, 4·66, +0·41, 7 and 0.	53, —7, 5·56, +1·31, 8 and +1·0.
Page 32, Footnote . .			Omit (*b*) mean of 30 days.

MAY 1927.

Reference.	Figure Column.	For	Read.
Page 35, *against* Assam .	Departure from Normal of Minimum temperature	0·7.	—0·7.
„ „ Punjab .	Ditto ditto.	1·9.	—1·9.
„ „ N. W. F. P.	Ditto ditto.	1·7.	—1·7.
„ „ Bombay.	Ditto ditto.	0·2.	—0·2.
Victoria Point . .	16 and 17.	30·22 and +13·14.	28·68 and 11·60.
Rangoon . . .	4, 7, 8, 10 and 11.	0·9, 89·4, —2·3, 77·0 and —0·2.	0·8, 89·3, —2·4, 76·9 and —0·3.
Mandalay . . .	6.	76·2.	76·1.
Bhamo	4.	1·5.	1·4.
Myitkyina . . .	16 and 17.	5·09 and —0·97.	5·35 and —0·71.
Cox's Bazar . . .	3 and 17.	S 45 E and +3·1.	S 51 E and —3·1.
Burdwan . . .	15.	6·4.	6·3.
Sambalpur . . .	5, 13 and 14.	88·6, 57 and +5.	88·9, 56 and +4.
Gorakhpur . . .	10 and 11.	75·1 and —1·5.	74·9 and —1·7.
Benares . . .	3.	N 70 E.	N 86 E.
Lucknow . . .	10 and 11.	76·5 and —1·2.	76·7 and —1·0.
Bahraich . . .	3 and 15.	S 71 E and 1·3.	S 73 E and 1·1.
Rawalpindi . . .	5, 10 and 11.	81·6, 67·2 and —1·1.	81·9, 67·3 and —1·0.
Lyallpur . . .	6, 13 and 14.	66·8, 36 and —4.	66·5, 35 and —5.
Dras	1, 2, 3, 4, 5, 6, 10, 11 and 15.	20·791, —·004, S 66 W, 4·9 (*c*), 46·2, 41·1, 36·4, +3·4 and 3·4.	20·787, —·008, S 59 W, 5·0, 46·3, 41·2, 36·5, +3·5 and 3·5, and omit (*b*) against the station.
Fort Sandeman . .	10, 11 and 12.	65·6, +1·8, and 57·4.	65·9, +2·1 and 57·7.
Dalbandin . . .	6, 7, 8, 10, 11, 12, 13 and 14.	55·3, 100·9, —0·8, 65·2, —1·6, 56·1, 20 and —11.	54·6, 101·0, —0·7, 65·5, —1·3, 57·9, 17 and —14.
Bikaner . . .	1 and 2.	28·870 and +·012.	28·871 and +·013.
Ajmer	16 and 17.	0·59 and —0·01.	0·62 and +0·02.
Bhuj	1, 2 and 4.	29·380, —·006 and 8·6.	29·381, —·005 and 9·0.
Dwarka . . .	4.	12·1.	11·1.
Neemuch . . .	1 and 2.	28·075 and —·020.	28·076 and —·019.
Amraoti . . .	1 and 2.	28·481 and —·012.	28·482 and —·011.
Hoshangabad . .	5, 6, 7, 8, 10, 11, 13 and 14.	90·3, 68·8, 106·9, —0·3, 80·8, +0·6, 30 and —9.	90·2, 69·0, 107·4, +0·2, 81·3, +1·1, 31 and —8.
Pendra	1 and 2.	27·649 and —·012.	27·647 and —·014.
Insert "Kanker (*k*)" between Raipur and Chanda.	1, 3, 4, 15, 16 and 18.	....	28·380, N 89 W, 4·8 (*l*), 3·1, 0·23 and 1.
Chanda . . .	16 and 17.	0·04 and —0·67.	0·03 and —0·68.
Nizamabad . . .	1, 2, 3 and 15.	28·466, —·022, N 84 W and 1·6.	28·461, —·027, N 88 W and 1·7, and omit (*b*) against the station.
Page 39 . . .		*Insert* footnotes (*k*) mean of 21 days and (*l*) mean of 20 days.	

MAY 1927—*concld.*

Reference.	Figure Column.	For	Read.
Bangalore . . .	4, 6, 13, 14, 15, 16, 17, 18 and 19.	7·2 (*c*), 69·9, 73, —1, 5·2, 2·42, —1·94, 7 and +0·2.	7·1, 70·0, 74·0, 5·1, 3·12, —1·24. 8 and + 1·2 and omit (*b*) against the station.
Cochin	1 and 2.	29·831 and +·021.	29·828 and +·018.
Bellary	1 and 2.	28·291 and —·005.	28·289 and —·007.
Nellore	5, 6, 13, 14 and 15.	90·2, 77·1, 54, —9 and 5·2.	90·3, 77·3, 55, —8 and 5·0.
Cocanada . . .	7 and 8.	99·0 and —0·2.	99·1 and —0·1.
Vizagapatam . . .	6.	79·9.	80·1.
Parachinar . . .	16, 17, 18 and 19.	1·34, —1·17, 6 and —1·1.	2·20, —0·31, 7 and —0·1.
Mercara. . . .	1, 2, 3 and 4.	26·145, +·008, N 83 W and 4·4 (*c*).	26·147, +·010, N 84 W, and 4·5, and omit (*b*) against the station.

JUNE 1927.

Reference.	Figure Column.	For	Read.
Mergui	16, 17, 18 and 19.	28·68, —0·73, 27 and +2·7.	28·87, —0·54, 28 and +3·7.
Moulmein . . .	Station Column.	Moulmein (*e*).	Moulmein (*d*).
Moulmein . . .	3, 4, 10, 11, 16, 17, 18 and 19.	S 32 E, 3·3 (*f*), 74·9, 0, 20·85, —16·39, 22 and — 4·0.	S 35 E, 3·3, 74·8, —0·1, 22·78, —14·46, 23 and —3·0.
Kyaukpyu . . .	4.	3·1.	2·6.
Yamethin . . .	15, 10 and 11.	80·4, 74·9 and —0·5.	80·5, 75·0 and —0·4.
Page 45 . . .		Omit the footnotes (*e*) mean of 27 days and (*f*) mean of 26 days.	
Dibrugarh . . .	1, 2, 4, 5 and 15.	29·275, +·008, 1·3, 78·9 and 6·7.	29·276, +·009, 0·9, 78·4 and 6·6.
Dhubri	16, 17, 18 and 19.	47·63, +23·81, 22 and +4·1.	50·63, +26·81, 23 and +5·1.
Chittagong . . .	3.	S 40 E.	S 42 E.
Barisal	7, 8 and 15.	90·4, +1·8 and 6·7.	90·3, +1·7, and 6·9.
Jessore	7 and 8.	91·1 and +0·2.	91·3 and +0·4.
Mymensingh . . .	3, 7, 8, 15, 16 and 17.	S 65 E, 89·1, +1·6, 9·0, 19·28 and + 0·57.	S 66 E, 89·2, +1·7, 9·1, 19·32, and +0·61.
Bogra	16 and 17.	18·83 and +4·80.	18·93 and +4·90.
Jalpaiguri . . .	1 and 2.	29·325 and 0.	29·326 and +·001.
Hukitala (False Point) .	1, 2, 15, 16, 17, 18 and 19.	29·526, —·003, 3·0, 2·01, —6·63, 7 and —3·2.	29·539, +0·10, —2·11, —6·53, 8 and —2·2.
Sambalpur . . .	1 and 2.	29·066 and +·001.	29·065 and 0.
Chaibasa . . .	7 and 8.	100·8 and +6·9.	101·1 and +7·2.
Darbhanga . . .	7, 8 and 15.	95·1, +2·7 and 5·6.	95·2, +2·8 and 5·5.
Patna	6, 13 and 14.	78·5, 67 and —10.	78·2, 66 and —11.
Benares . . .	3.	S 85 E.	S 11 W.
Allahabad . . .	4.	6·4.	6·0.
Ludhiana . . .	1 and 2.	28·711 and +·022.	28·709 and +·020.
Skardu	16 and 17.	0·17 and —0·10.	0·18 and —0·09.
Jacobabad . . .	5.	92·5.	92·2.
Hyderabad . . .	5 and 6.	88·8 and 78·5.	88·6 and 78·2.
Kotah	5, 13 and 14.	92·4 (*c*) 42 (*c*) and —7.	92·5, 41, and —8.
Dwarka . . .	4.	11·2.	11·3.
Akola	16, 17, 18 and 19.	7·84, 1·96, 8 and 0.	7·58, 2·20, 9 and +1·0.
Khandwa . . .	16 and 17.	3·57 and —1·85.	3·62 and —1·80.
Hoshangabad . .	5, 6, 7, 8, 9, 10, 11, 12, 13 and 14.	86·1, 74·4, 100·7, + 1·3, 111·9, 80·0, +0·6, 73·2, 58 and —8.	86·0, 74·9, 101·3, 1·9, 112·9, 81·0, +1·6, 74·2 60 and —6.
Seoni	3.	N 64 W.	N 61 W.
Raipur	1, 2, 10, 11, 12 and 15.	28·597, +·003, 79·1, +0·3, 64·8 and 6·5.	28·596, +·004, 79·5, +0·7, 71·2 and 6·6.
Kanker . . .	16.	12·23.	12·20.
Parbhani . . .	16, 17 and 20.	6·41, 2·38 and 2·00.	6·59, — 2·20 and 2·21.
Nizamabad . . .	1, 2, 3, 4, 5, 7, 8, 10 and 11.	28·404, —·002, S 83 W, 4·1 (*b*), 80·4, 96·2, —0·9, 76·7 and —0·4.	28·401, —·005, S 80 W, 4·1, 80·7, 96·6, —0·5 76·9 and —0·2.

JUNE 1927—*concld.*

Reference.	Figure Column.	For	Read.
Nizamabad . . .	Station Column.	Nizamabad (*e*).	Nizamabad.
Page 47 . . .		Omit the footnotes (*c*) mean of 29 days and (*e*) mean of 27 days.	
Hyderabad . . .	1, 2, 3, 7 and 8.	27·979, +·026, N 86 W, 95·4, and +0·9.	27·978 (*c*), +·025, N 84 W, 95·6, and +1·1.
Hanamkonda . .	4.	6·1.	6·2.
Mysore	16 and 17.	2·13 and —0·80.	2·11 and —0·82.
Coimbatore . . .	6, 13 and 14.	72·9, 83 and +3.	73·3, 84 and +4.
Cuddapah . . .	1, 2, 5, 13 and 14.	29·283, +·014, 85·5, 63 and +2.	29·284, +·015, 85·8, 62 and +1.
Bellary	10, 11 and 12.	75·8, —0·1, and 71·8.	75·9, 0, and 72·6.
Kurnool . . .	1 and 2.	28·781 and +·013.	28·778 and +·010.
Calingapatam . .	16 and 17.	14·28 and +9·56.	13·83 and +9·11.
Mukteswar . . .	16 and 17.	16·25 and 9·12.	16·30 and +9·17.
Cherat	1 and 2.	25·516 and +·039.	25·523 and +·046.
Mount Abu . . .	16, 17, 18 and 19.	2·24, —2·98, 3 and —3·3.	2·85, —2·37, 4 and —2·3.
Mercara. . . .	Ditto.	22·59, —3·77, 25, and +1·3.	25·87, —0·49, 26 and +0·3.
Colombo . . .	Ditto.	9·37, 1·46, 18 and +4·7.	9·10, +1·19, 17 and +3·7.

JULY 1927.

Reference.	Figure Column.	For	Read.
Victoria Point . .	3.	S 40 W.	S 42 W.
Mergui	7, 8, 10, 11, 12 and 15.	84·5, +0·1, 73·8, +0·8, 71·1 and 8·9.	84·4, 0, 73·9, +0·9, 71·3 and 9·1.
Amherst . . .	16.	51·20.	51·01.
Mandalay . . .	3 and 5.	S 10 E (*b*) and 82·2.	S 10 E and 82·3.
Dibrugarh . . .	3.	S 27 E.	S 14 E.
Tezpur	10 and 11.	78·0 and +0·4.	78·2 and +0·6.
Dhubri	16 and 17.	29·94 and +12·89.	29·93 and +12·88.
Cox's Bazar . . .	3.	S 41 E.	S 36 E.
Burdwan . . .	3 and 15.	S 63 E and 17·9.	S 65 E and 8·2.
Berhampore . . .	6.	80·0.	80·3.
Hukitala (False Point) .	1, 2 and 15.	29·494, —·022 and 2·6.	29·507, —·009 and —.
Darbhanga . . .	16 and 17.	8·28 and —3·36.	8·31 and —3·33.
Cherrapunji . . .	3.	S 36 E.	S 45 E.
Gorakhpur . . .	5, 13 and 14.	83·3, 85 and —2.	83·2, 86 and —1.
Benares	3.	N 54 E.	N 70 E.
Bahraich . . .	15.	5·8.	5·6.
Agra	1 and 2.	28·926 and —·013.	28·925 and —·014.
Hissar	1, 2, 16 and 17.	28·744, —·008, 9·57, and +5·81.	28·746, —·006, 10·56 and 6·80.
Ambala . . .	4.	3·8.	3·6.
Ludhiana . . .	16 and 17.	9·01 and +0·81.	9·00 and +0·80.
Sonamarg . . .	16, 17, 18, 19 and 20.	2·46, —1·21, 6, —3·1 and 0·65.	3·36, —0·31, 7, —2·1 and 0·90.
Skardu	7, 8 and 9.	89·6, +2·8 and 99·2.	90·2, +3·4 and 100·2.
Dera Ismail Khan . .	1 and 2.	28·877 and +·012.	28·876 and +·011.
Fort Sandeman . .	10 and 11.	76·0 and +1·8.	76·3 and +1·6.
Kalat	10 and 11.	60·7 and +4·9.	60·6 and +4·8.
Dalbandin . . .	3.	S 38 W.	S 34 W.
Mirjawa . . .	3.	N 77 W.	N 76 W.
Panjgur. . . .	6, 13 and 14.	71·2, 66 and 0.	71·6, 67 and +1.
Page 54 . . .	Footnotes.	(*e*) Reports only rainfall. (*c*) Mean of 27 days.	(*a*) Reports only rainfall. (*e*) Mean of 27 days.
Hyderabad . . .	5, 10, 11, 13 and 14.	85·7, 82·0, +0·9, 76 and +8.	86·0, 81·8, +0·7, 75 and 7.
Bikaner . . .	1 and 2.	28·697 and —·015.	28·691 and —·021.
Jaipur	7 and 8.	94·2 and —0·5.	93·9 and —0·8.
Kotah	1 and 2.	28·634 and —·048.	28·635 and —·047.
Bhuj	3, 16, 17, 18 and 19.	S 86 W, 10·58, +4·15, 10 and +3·8.	S 86 W (*b*), 12·28, +5·85, 11 and +4·8.
Rajkot	16, 17, 18 and 19.	24, 94, +14·04, 17 and +6·5.	25·06, +14·16, 18 and +7·5.
Neemuch . . .	1 and 2.	28·889 and —·058.	28·888 and —·059.

JULY 1927—*concld.*

Reference.	Figure Column.	For	Read.
Amraoti . . .	1 and 2.	28·365 and —·022.	28·364 and —·023.
Khandwa . . .	16 and 17.	18·70 and +10·09.	19·10 and +10·49.
Pendra	3, 16, 17, 18 and 19.	N 20 W, 9·49, —3·49, 19 and +2·2.	N 15 W, 9·59, —3·39, 20 and +3·2.
Jagdalpur . . .	16 and 17.	21·79 and +8·24.	21·74 and +8·19.
Poona	16 and 17.	4·59 and —2·42.	4·60 and —2·41.
Parbhani . . .	16, 17 and 20.	5·49, —2·28 and 1·50.	5·48 ,—2·29 and 1·58.
Page 55 . . .		*Add* footnote (*b*) mean of 30 days.	
Gulbarga . . .	12.	69·9.	70 0.
Hyderabad . . .	15.	8·5.	8·8.
Cochin	7 and 8.	80·8 and —3·1.	81·0 and —2·9.
Pamban . . .	16, 17 and 20.	0·05, —0·52 and ·005.	0, —0·57 and 0.
Madura . . .	3, 4 and 5.	N 65 W, 7·1 (*e*) and 83·1.	N 64 W, 6·9 and 83·2.
Madura . . .	Station Column.	Madura (*b*).	Madura.
Trichinopoly . . .	Station Column.	Trichinopoly (*b*).	Trichinopoly.
Trichinopoly . . .	1, 2, 3, 4, 5, 13 and 14.	29·493, +·001, S 75 W, 10·0 (*e*), 84·1, 58 and —4.	29·495, +·003, S 59 W, 10·5, 84·2, 57 and —5.
Coimbatore . . .	1 and 2.	28·321 and 0.	28·322 and +·001.
Salem	16 and 17.	6·90 and +3·08.	6·91 and +3·09.
Nellore	10 and 11.	79·3 and —0·5.	79·5 and —0·3.
Cocanada . . .	15.	8·3.	8·6.
Gopalpur . . .	6.	80·4.	80·1.
Dalhousie . . .	16.	20·80.	20·44.
Murree	1 and 2.	23·811 and +·011.	23·813 and +·013.
Parachinar . . .	13 and 14.	56 and —1.	57 and 0.
Drosh	7 and 8.	99·8 and +3·2.	99·9 and +3·3.

AUGUST 1927.

Reference.	Figure Column.	For	Read.
Toungoo . . .	16 and 17.	16·66 and —2·46.	16·71 and —2·41.
Minbu	4.	1·8.	4·4.
Yamethin . . .	5, 7, 8, 13 and 14.	78·4, 88·3, —0·7, 87 and 0.	78·1, 88·4, —0·6, 88 and +1.
Dibrugarh . . .	3.	S 20 E.	S 45 E.
Silchar	15.	8·1.	8·3.
Narayanganj . . .	1, 2, 16 and 17.	29·595, +·001, 4·07 and —8·67.	29·596, +·002, 4·05 and —8·69.
Jessore	7, 8, 10, 11 and 15.	89·6, +1·1, 77·9, —0·8 and 7·5.	89·4, +0·9, 78·0, —0·7 and 7·3.
Berhampore . . .	16, 17, 18 and 19.	5·08, —6·87, 14 and —2·6.	5·18, —6·77, 15 and —1·6.
Bogra	7, 8, 10 and 11.	91·8, +3·3, 78·8 and +0·3.	91·7, +3·2, 78·9 and +0·4.
Hukitala (False Point) .	1, 2 and 15.	29·562, +·003 and 1·5.	29·575, +·016 and —.
Sambalpur . . .	12.	74·1.	72·9.
Chaibasa . . .	16 and 17.	12·99 and +1·52.	12·97, and +1·50.
Darbhanga . . .	16 and 17.	9·69 and —4·27.	10·05 and —3·91.
Gaya	16 and 17.	9·58 and —3·64.	9·63 and —3·59.
Gorakhpur . . .	3, 16, 17, 18 and 19.	E, 13·26, —0·73, 12 and —29.	E (*b*), 13·71, —0·28, 13 and —1·9.
Benares . . .	3.	S 68 E.	S 52 E.
Delhi	1 and 2.	28·885 and +·043.	28·884 and +·042.
Panjgur . . .	Station Column.	Panjgur (*c*).	Panjgur.
Panjgur . . .	3, 4, 5, 6, 7, 8, 10, 11 and 15.	S 83 W, 5·6 (*d*), 77·9, 69·1, 102·6, +2·7, 74·6, +1·5 and 1·9.	S 84 W, 5·3, 78·6, 69·0, 102·9, +3·0, 74·5, +1·7 and 1·7.
Page 62 . . .	Omit the footnote (*c*) mean of 29 days.		
Bhuj	7 and 8.	86·8 and —1·7.	86·7 and —1·8.
Veraval . . .	Station Column.	Veraval (*b*).	Veraval.
Veraval . . .	3 and 4.	S 63 W and 11·1 (*e*).	S 62 W and 11·1 (*c*).
Khandwa . . .	16, 17, 18, 19 and 20.	1·57, —4·92, 5, —5·4, and 0·53.	1·07, —5·42, 4, —6·4 and 0·26.
Raipur	16 and 17.	23·79 and +10·06.	23·61 and +9·88.
Malegaon . . .	4.	7·5.	7·8.
Ahmadnagar . . .	1 and 2.	27·587 and +·009.	27·586 and +·008.
Parbhani (*a*) . . .	16, 17 and 20.	6·11, +0·57 and 2·00.	5·93, +0·75 and 1·98.
Page 63 . . .	Omit the footnotes (*b*) mean of 30 days and (*e*) mean of 27 days.		
Mysore	5 and 6.	71·1 and 68·1.	71·2 and 68·0.
Cochin	5.	78·4.	78·3.
Pamban . . .	4.	6·6.	6·5.
Madura . . .	1 and 2.	29·333 and +·023.	29·331 and +·021.
Chakrata . . .	5, 13 and 14.	64·5, 92 and —1.	64·3, 93 and 0.

SEPTEMBER 1927.

Reference.	Figure Column.	For	Read.
Madras	Maximum temperature.	0·2.	—0·2.
Port Blair . . .	1 and 2.	29·755 and +0·08.	29·754 and ·007.
Victoria Point . .	10, 11 and 12.	74·7, +0·6 and 70·3.	74·8, +0·7 and 72·1.
Mergui	1 and 2.	29·717 and +·007.	29·776 and +·006.
Amherst . . .	17 and 19.	—9·06 and —5·8.	Omit both the figures.
Diamond Island . .	16 and 17.	5·56 and —12·42.	5·54 and —12·44.
Toungoo . . .	1, 2, 15, 16 and 17.	29·639, +·011, 7·8, 7·81, and —4·27.	29·636, +·008, 7·6, 7·90 and —4·18.
Kyaukpyu . . .	3, 4, 16, 17, 18 and 19.	S 70 E, 1·7, 17·03, —3·60, 19 and —1·0.	S 63 E, 1·0, 17·13, —3·50, 20 and 0.
Mandalay . . .	10 and 11.	77·7 and +0·6.	78·1 (c) and +1·0.
Monywa . . .	2.	+0·22.	+·022.
Lashio	1, 2, 3, 4, 7, 8 and 15.	29·027, —·013, S 62 W, 1·8, 80·4, —3·3 and 8·3.	27·028, +·014, S 56 W, 1·7, 80·5, —3·2 and 8·2.
Bhamo	4.	0·9 (d).	0·9.
Page 69 . . .		Omit the footnote (d) mean of 28 days.	
Tezpur	16, 17, 18 and 19.	9·20, +1·02, 13 and +0·9.	9·92, +1·74, 14 and +1·9.
Jessore	7, 8, 16, 17, 18 and 19.	90·5, +1·3, 11·29, +2·74, 15 and +3·2.	90·3, +1·1, 11·43, +2·88, 16 and +4·2.
Saugor Island . .	10, 11, 16 and 17.	78·5, —1·0, 6·68 and —4·08.	78·4, —1·1, 6·69 and —4·07.
Mymensingh . . .	16 and 17.	30·51 and +16·77.	30·49 and +16·75.
Dinajpur . . .	3.	S 48 E.	S 42 E.
Hukitala (False Point) .	1 and 2.	29·709 and +·045.	29·722 and +·058.
Benares . . .	3.	S 36 W.	S 52 W.
Bikaner . . .	1 and 2.	28·931 and +·012.	28·930 and +·011.
Deesa	10 and 11.	73·7 and —0·4.	73·6 and —0·5.
Hoshangabad . .	3.	S 53 W (e).	S 57 W.
Nagpur . . .	1, 2, 16, 17, 18 and 19.	28·722, +·023, 4·44, —3·81, 6 and —4·8.	28·723, +·024, 5·24, —3·01, 7 and —3·8.
Pendra	1 and 2.	27·700 and ·022.	27·702 and +·024.
Ratnagiri . . .	5, 6, 13, 14, 16 and 17.	78·9, 75·6, 85, —1, 14·05, and +1·97.	78·7, 75·7, 86, 0, 14·04 and +1·96.
Ahmadnagar . . .	8, 11 and 12.	+0·7, —0·3, and 60·8.	+0·8, —0·2 and 59·8.
Sholapur . . .	1 and 2.	28·210 and —·004.	28·209 and —·005.
Parbhani (a) . . .	16, 17 and 20.	5·50, —2·94 and 2·50.	5·47, —2·97 and 2·47.
Nizamabad . . .	6.	73·2.	73·3.
Hyderabad . . .	4.	3·2.	2·7.

OCTOBER 1927.

Reference.	Figure Column.	For	Read.
Mysore	Cloud.	1·2.	—1·2.
Amherst . . .	7, 17 and 19.	86·3, +12·75 and +2·0.	86·1, and omit both the figures.
Rangoon . . .	16, 17, 18 and 19.	11·19, +4·28, 13 and +3·0.	10·29, +3·38, 12 and +2·0.
Yamethin . . .	7 and 8.	87·5 and —3·1.	87·7 and —2·9.
Lashio	10 and 11.	62·7 and —1·2.	62·4 and —1·5.
Chittagong . . .	3.	N 86 E.	N 87 E.
Jessore	7 and 8.	91·2 and +2·8.	91·1 and +2·6.
Mymensingh . . .	15.	4·3.	4·2.
Balasore . . .	3 and 4.	S 76 W and 1·7.	S 56 W and 1·8.
Hukitala (False Point) .	1, 2, 16 and 17.	29·816, —·002, 5·00 and —2·99.	29·829, +·011, 5·26 and —2·73.
Gorakhpur . . .	1 and 2.	29·608 and +·012.	29·606 and +·010.
Benares . . .	3.	S 19 W.	S 35 W.
Cawnpore . . .	16 and 17.	4·92 and 3·65.	4·93 and 3·66.
Khushab . . .	4.	2·1.	1·7.
Mirjawa . . .	10.	5·4.	58·4.
Rajkot	Station Column.	Rajkot (*b*).	Rajkot.
Rajkot	1, 2, 3, 4, 5, 7, 8, 10, 11, 13 and 14.	29·449, +·005, N 45 W, 4·1 (*c*), 78·8, 93·6, —2·0, 71·5, +3·2, 74 and +9.	29·453, +·008, N 42 W, 4·1, 78·7, 93·7, —1·9, 71·4, +3·1, 72 and +7.
Veraval . . .	4.	7·0 (*c*).	7·0 (*i*).
Surat	4.	1·1 (*i*).	1·1.
Indore	1 and 2.	28·066 and ·001.	28·067 and +·002.
Saugor	3.	S 81.	S 81 W.
Seoni	1 and 2.	27·841 and —·004.	27·842 and —·003.
Nagpur . . .	4.	2·7.	2·8.
Nizamabad . . .	7, 8, 10, 11, 16 and 17.	90·4, +0·9, 66·8, —1·4, 3·84 and +2·25.	90·3, +0·8, 66·6, —1·6, 3·34 and +1·75.
Page 79 . . .	Omit the footnote (*b*) mean of 30 days and (*c*) mean of 29 days.		
Hanamkonda . .	Station Column.	Hanamkonda (*b*).	Hanamkonda.
Hanamkonda . .	1, 2, 3, 4, 5, 6, 7, 8, 13, 14, 15, 16 and 17.	28·995, +·021, N 81 W, 2·9 (*i*), 77·7, 72·7, 89·5, —0·5, 77, +8, 38, 2·66 and +0·64.	28·992, +·018, N 82 W, 3·0, 77·8, 72·8, 89·1, —0·9, 78, +9, 3·7, 2·68 and +0·66.
Negapatam . . .	16, 17, 18 and 19.	4·93, —5·55, 4 and —6·1.	5·21, —5·27, 5 and—5·1.
Cuddapah . . .	1 and 2.	29·473 and +·055.	29·472 and +·054.
Parachinar . . .	16, 17, 18 and 19.	0·14, —0·73, 1 and —1·2.	0·24, —0·63, 2 and —0·2.

NOVEMBER 1927.

Reference.	Figure Column.	For	Read.
Amherst . . .	17 and 19.	—1·11 and —0·8.	Omit the figures.
Rangoon . . .	7 and 8.	89·8 and +1·8.	89·5 and +2·0.
Diamond Island . .	3.	N 59 E.	N 53 E.
Toungoo . . .	Station column.	Toungoo (c).	Toungoo.
Toungoo . . .	1, 2, 5, 6, 7, 8, 10, 11, 15, 16, 17, 18 and 19.	29·765, —·010, 73·4, 70·0, 87·8, +1·0, 67·8, —1·7, 4·6, 0·67, —1·15, 3 and +·02.	29·761, —·014, 73·6, 70·2, 87·7, +0·9, 68·1, —1·4, 4·7, 0·79, —1·03, 4 and +1·2.
Minbu	3.	N 32 W.	N 32 W (c).
Benares . . .	3.	S 37 W.	S 53 W.
Gauhati. . . .	16 and 17.	0·54 and +0·10.	0·62 and +0·18.
Silchar	16 and 17.	2·70 and +1·30.	2·61 and +1·21.
Chittagong . . .	3 and 4.	N 38 E and 3·9.	N 41 E and 3·7.
Burdwan . . .	4.	1·7.	1·6.
Hakitala (False Point) .	1, 2 and 15.	29·932, 0 and 0·8.	29·945, +·013 and —.
Leh	1 and 2.	19·774 and +·018.	19·773 and +·017.
Peshawar . . .	1 and 2.	28·896 and —·002.	28·927 and +·029.
Quetta	6.	34·5 (r).	....
Mirjawa . . .	5 and 13.	46·9 and 36.	46·5 and 38.
Jodhpur . . .	15.	2·1.	1·8.
Nowgong . . .	1 and 2.	29·251 and +·026.	29·248 and +·023.
Amraoti . . .	7 and 8.	82·1 and —4·7.	81·4 and —5·4.
Aurangabad . . .	3 and 4.	N 81 E and 5·3 (c).	N 80 E and 5·6.
Nizamabad . . .	Station Column.	Nizamabad (c).	Nizamabad.
Nizamabad . . .	1, 2, 3, 4, 5, 7, 8 and 15	28·691, +·015, N 60 E, 1·5 (d), 67·1, 82·2, —3·5 and 1·6.	28·689, +·013, N 59 E, 1·4, 67·0, 82·0, —3·7 and 1·7.
Page 87 . . .		Omit the footnote (d) mean of 28 days.	
Gulbarga . . .	15.	4·9.	3·5.
Hyderabad . . .	7 and 8.	81·3 and —3·2.	81·2 and —3·3.
Cochin	3.	N 76 E.	N 72 E.
Trichinopoly . . .	Station Column.	Trichinopoly (c).	Trichinopoly.
Trichinopoly . . .	1, 2, 3, 4, 6, 7, 8, 10, 11, 12 and 15.	29·660, +·014, N 12 E, 2·0 (a), 72·8, 87·5, +0·3, 72·4, +0·3, 66·5 and 5·9.	29·661, +·015, N 13 E, 2·0, 72·7, 87·4, +0·2, 72·2, +0·1, 66·3 and 5·7.
Coimbatore . . .	16 and 17.	8·04 and +4·29.	8·09 and +4·34.
Bellary	10 and 11.	64·8 and —1·4.	64·9 and —1·3.
Cherat	10 and 11.	52·1 and +2·8.	51·8 and +2·5.

DECEMBER 1927.

Reference.	Figure Column.	For	Read.
Amherst . . .	15, 17 and 19.	3·1, —0·26 and —0·4.	2·9, —and —.
Yamethin . . .	13 and 14.	91 and +6.	90 and +5.
Lashio	Station Column.	Lashio (*b*).	Lashio.
Lashio	1, 2, 4, 6 and 15.	27·219, +·037, 1·2 (*c*), 50·4 and 5·7.	27·220, +·038, 1·2, 50·3 and 5·5.
Chittagong . . .	3 and 4.	N 45 E and 4·1.	N 44 E and 4·0.
Hukitala (False Point) .	1, 2 and 15.	30·012, +·009 and 1·0.	30·025, +·022 and —.
Darbhanga . . .	9.	80·0.	79·9.
Page 93 . . .		Omit the footnote (*b*) mean of 30 days.	
Benares	3.	S 9 W.	S 25 W.
Sialkot	1, 2, 7 and 8	29·197, —·006, 71·7 and +2·4	29·198, —·005, 72·1 and +2·8.
Khushab . . .	1 and 2.	29·467 and +·014	29·466 and +·013.
Srinagar . . .	6.	36·2 (*n*).	——
Sonamerg . . .	20.	1·6.	1·60.
Quetta	6, 16 and 17.	37·7 (*p*), 1·10 and +0·18	—, 1·11 and +0·19.
Kalat	6.	36·9 (*p*).	——
Dalbandin . . .	3.	N 30 E.	N 31 E.
Ahmdabad . . .	1 and 2.	29·860 and —·004.	29·858 and —·006.
Sutna	16 and 17.	0·09 and —0·27.	0·18 and —0·18.
Amraoti . . .	16 and 17.	0·14 and —0·35.	0·21 and —0·28.
Nagpur . . .	16 and 17.	0·11 and —0·43.	0·12 and —0·42.
Bijapur . . .	5.	79·1.	69·1.
Nizamabad . . .	1 and 2.	28·735 and +·021.	28·736 and +·022.
Calicut	Station Column.	Calicut (*b*).	Calicut.
Calicut . . .	1, 2, 4, 7, 8 and 15.	29·896, +·006, 3·1 (*e*), 90·5, +3·6 and 4·1.	29·897, +·006, 3·1, 90·6, +3·7 and 4·0.
Dalhousie (*a*) . .	16 and 18.	0·33 and 1.	0·69 and 2.
Drosh . . .	16, 17, 18 and 19.	3·64, +2·57, 7 and +3·8.	3·74, +2·67, 8 and +4·8.

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