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GOVERNMENT OF INDIA

METEOROLOGICAL DEPARTMENT

INDIA WEATHER REVIEW

ANNUAL SUMMARY FOR 1928

PART A.

SUMMARY OF WEATHER AND RAINFALL

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ANNUAL SUMMARY, 1928.

PART A.

SUMMARY OF WEATHER AND RAINFALL.

SECTION I.

Chief Features of Weather in 1928.

1. The rainfall during the cold weather months, January and February, was normal or in slight defect in Rajputana and the Punjab, in large defect in Assam, Bengal and Sind and in moderate to large excess elsewhere. Averaged over the plains of India, the rainfall of the period was in excess by 50 per cent.

2. During the hot weather months, March to May, rainfall was normal or in slight defect in Burma, north-east India and the Madras Presidency including Mysore. Elsewhere weather was much drier than usual, so that over the country as a whole, there was a deficiency of 14 per cent. in the season's rainfall.

A noteworthy feature in March was the formation of a storm in the Bay of Bengal between the 24th and 28th of the month. It weakened into a depression and filled up about 200 miles off the north Coromandel coast. Storms in this month in the Bay are rare, there having been only two others, one in 1907 and another in 1925, recorded in the present century.

Temperature was markedly high in north-west India from the 1st to the 3rd of March, but with the eastward movement of the first western disturbance of the month, it began to fall rapidly in Baluchistan on the 4th and over the whole of north-west India on the 5th ; this cold wave extended to the central parts of the country on the 6th and to Bengal on the 7th. In May, weather was abnormally hot outside north-east India and Burma.

3. The principal feature of the monsoon season, June to September, was the marked deficiency of rainfall in north-west India including the United Provinces, where weather was persistently dry for a considerable period, the effect of drought being most keenly felt over the area extending from Allahabad and Lucknow to Delhi and Jhansi. The monsoon rainfall was also in slight defect in Central India, the Central Provinces, Mysore and Madras and normal or in slight excess elsewhere. Averaged over the plains of India, the total rainfall of the period was in defect by 4 per cent.

In August mean temperature was, on the whole, appreciably high over the region extending from the frontier to the central parts of the country owing to the general deficiency of rainfall in those areas, while the withdrawal of the monsoon caused the day temperature to be markedly high in the Punjab East and North, the United Provinces and Central India East during most of September.

4. The north-east monsoon caused exceptionally heavy rain along the east Madras coast at its inception during the third week of October ; thereafter its activity was more or less confined to the extreme south. In north-west India, winter conditions were well established with abundant rainfall everywhere during the last week of November. The total rainfall of the period, October to December, was in slight defect in Burma, in large excess over the whole of northern and central India and normal or in slight excess in the Peninsula excluding Mysore, where it was in moderate excess. Averaged over the plains of India, the season's rainfall was in excess by 27 per cent.

In November a cold wave appeared on the frontier about the 28th and affected the whole of north-west India during the next two days, its effect being most pronounced in Baluchistan and the North-West Frontier Province.

5. Taking the year as a whole, rainfall was within 25 per cent. of the normal in all the sub-divisions except in Baluchistan and Sind, where it was in moderate or large defect.

SECTION II.

General Remarks on the weather of 1928.

I. *The Cold Weather Period, January and February.*— Eight disturbances of the winter type crossed the frontier during ***January***, but they were generally weak and produced much less rain than usual in north-west and central India. They were, however, more active in the United Provinces and the adjacent parts of north-east India where rainfall was in excess. The north-east monsoon was feeble except during the first week when it temporarily strengthened under the influence of a shallow depression in the south-west Bay of Bengal and caused local rain on the Coromandel coast. Averaged over the plains of India, the month's rainfall was in defect by 10 per cent.

In ***February*** the western disturbances caused an excess of rainfall in north-west India, but were less active in north-east India. One of these, while passing eastwards, gave rise to a low pressure area over Central India early in the month, which produced a spell of unusually wet weather in the Peninsula, Central India and the United Provinces, with heavy falls of rain for the time of the year. The month's rainfall was in moderate to large defect in north-east India

and Sind, and normal or in slight excess in the Punjab and Rajputana, while elsewhere it was in very large excess, the fall exceeding twice the normal amount in Burma, the United Provinces and the Peninsula. Over the country as a whole the rainfall of the month was in excess by 91 per cent.

The total rainfall of the period, January and February, was normal in Baluchistan, in slight defect in the Punjab and in large defect in Assam, Bengal, Orissa, the Central Provinces East, Central India West, Rajputana West, Sind, Gujarat and the Madras Coast North. Over the rest of the country rainfall was in moderate to large excess.

In January the mean monthly maximum temperature was 3° to 6° below normal in the United Provinces, the Punjab, the North-West Frontier Province and Baluchistan, and higher than usual in Burma and Mysore. The minimum was higher than usual in Lower Burma, the United Provinces East, Kashmir, Central India East, the Madras Deccan, Mysore, Malabar and Madras South-east. The day temperature in February was above normal in Assam, Bengal, the Punjab South-west, Baluchistan and Rajputana West, and below it in the Madras Deccan; the night temperature was above the average in Upper Burma, Bihar, the United Provinces, the Punjab and Mysore.

II. *The Hot Weather Period—March to May.*—In ***March*** the western disturbances followed a somewhat northerly course and weather was comparatively dry over most of northern India and in Burma, the rainfall being more or less confined to the North-West Frontier Province and Kashmir. One of these developed into a storm over the Punjab and caused severe duststorms in north-west India resulting in serious damage to crops. In the Peninsula rainfall was practically limited to a burst of wet weather in south Hyderabad and parts of the Madras Presidency associated with a depression in the south Bay of Bengal towards the close of the month. Outside the Bay Islands, the North-West Frontier Province, Kashmir, Central India West, the Central Provinces West, Hyderabad South and Mysore, the month's rainfall was generally in defect, so that over the country as a whole, it was in defect by 38 per cent.

Dry weather conditions persisted over north-west and Central India during ***April*** except in the Punjab and Kashmir where the western disturbances were normally active. A low pressure area over Central India East at the end of the first week produced widespread rainfall over the Gangetic plain. Thunderstorms were less active than usual in Assam and Bengal, but produced an excess of rainfall in Madras and Lower Burma. The rainfall of the month was in moderate or large excess in Burma, the United Provinces and Bihar and Orissa, normal or in slight excess in the Punjab and Madras, and in defect elsewhere. Averaged over the plains of India, the month's rainfall was in defect by 8 per cent.

During ***May*** weather was unusually dry except in Burma and north-east India. A depression at the head of the Bay during the second week along with a temporary advance of monsoon caused widespread and locally heavy rain in Burma, Assam and east Bengal. Rainfall continued in these areas till the end of the month and extended to the rest of north-east India owing to the active advance of the monsoon which was established in the Bay on the 26th. Rainfall was scanty in north-west India and thunderstorms were comparatively few in south Madras. The month's rainfall was in moderate excess in Assam, in moderate defect in Bihar and Orissa and normal or in slight defect in Burma, Bengal and Mysore. Elsewhere rainfall was in large defect. Over the country as a whole the rainfall of the month was in defect by 17 per cent.

The total rainfall of the period, March to May, was in slight excess in Orissa and in moderate excess in the Bay Islands. It was normal or in slight defect in the rest of north-east India, Burma, Kashmir, the North-West Frontier Province, Hyderabad South, Mysore and the Madras Presidency, and in moderate to large defect elsewhere.

In the month of March the local distribution of temperature was not appreciably different from normal over the plains of India except in north-east India, Sind, Rajputana and the Madras Deccan. Assam, the Punjab South-west, the North-West Frontier Province, Baluchistan and Sind recorded maximum temperature above normal in April, it being as high as 7° above the average in Baluchistan. The minimum temperature in the same month was above normal in Baluchistan and below it in Central India East. In May both maximum and minimum temperatures were higher than usual in the Central Provinces East, the Punjab, the North-West Frontier Province and Baluchistan, the maximum alone in the United Provinces West, Central India East, Hyderabad South and Mysore, and the minimum in the United Provinces East and Rajputana East.

III. *The Monsoon Period—June to September.*—The Arabian Sea monsoon appeared on the west coast on the 3rd ***June*** and extended into the interior of the Peninsula and the central parts of the country during the next three days and into north-west India by the 8th. Its activity during the rest of the month was, however, mainly confined to the Peninsula. On the whole this branch of the monsoon was fairly active in the Konkan and the Deccan, but was weak over its other usual areas of activity. The Bay current under the influence of a storm at the head of the Bay caused heavy rain on the Arakan and Chittagong coasts between the 6th and 8th. The current was also active in Burma till the 18th. It strengthened in north-east India during the second week and extended into the United Provinces on the 19th under the influence of a depression which formed over south Bengal about the middle of the month. It remained active during the rest of the month except in the United Provinces, Burma having particularly heavy rains on the last two days. Averaged over the plains of India, the June rainfall was in excess by 11 per cent.

During ***July*** both branches of the monsoon were normally active except in parts of north-west India. A depression over the east Central Provinces at the beginning of the month caused vigorous monsoon in the central parts of the country and the Gangetic plain. Rainfall also extended early in the month in the Punjab, Rajputana and Gujarat, and for the first time into Sind. The second depression which developed into a storm in the north Bay of Bengal and disappeared over Central India, produced abundant rain in the United Provinces and over the region extending from south-west Bengal to Gujarat during the third week. Closely following this storm another formed at the head of the Bay on the 24th and crossed the Orissa coast the next

day. It caused very heavy rain in the neighbourhood of its track from Orissa to Central India during the last week. Over the country, as a whole, the month's rainfall was nearly normal but the distribution was somewhat irregular; the largest defect was recorded in Sind and the North-West Frontier Province and light or moderate excess in Bihar and Orissa, Central India and the Central Provinces, while over the rest of the country the month's rainfall was within 20 per cent. of the normal.

There was a break in the rains over north-west India and the central parts of the country during the first fortnight of ***August***, the activity of the monsoon being mainly confined to Burma, north-east India and the south of the Peninsula. The monsoon revived in the Central Provinces on the 16th and remained active there and in west Central India and east Rajputana during the next four days. During the last week a depression from the Bay which moved through the Central Provinces and east Rajputana into the Punjab, stimulated the activity of the monsoon in the north of the Peninsula and the central parts of the country, and caused very heavy rain in west Central India. The monsoon current extended further northwards under the influence of the depression and gave heavy rain along its track. Rainfall was exceptionally heavy in Kashmir, as a result of which severe floods occurred in the Punjab rivers. The heavy rains due to this depression were also responsible for floods in the Godavari and in parts of west Central India and Rajputana. The month's rainfall was nearly normal in Burma, Bengal, Hyderabad and Madras, in excess in Assam, Rajputana, Bombay and Mysore and in defect elsewhere, the deficiency being most pronounced in Sind and the United Provinces. Averaged over the plains of India, the rainfall of the month was in defect by 11 per cent.

Extensive rain with locally heavy falls associated with the depression at the end of August continued in Kashmir and the Punjab on the first day of ***September***. During the next three days the monsoon was fairly active in the United Provinces and the Central Provinces. Thereafter a more or less complete break in the rains set in over the region extending from the United Provinces to the north-west frontier and lasted till the end of the month. The Bay current strengthened in Assam, Bengal and north Burma on the 5th and continued active there till the 9th; it was again active in north-east India during the last week. Conditions were unsettled in the Bay of Bengal off the north Madras coast and the monsoon strengthened over the north of the Peninsula between the 12th and 18th and during the last week. The monsoon was also active in Gujarat and Rajputana from the 19th to 24th. The month's rainfall was in moderate to large excess in the north and the central Deccan, the south-west Punjab and Kashmir, the excess in the last two areas being brought about by the heavy rain on the first day. Over the country as a whole the rainfall of the month was in defect by 25 per cent.

The total rainfall of the monsoon season, June to September, was in large defect in Sind, in slight to moderate defect in Chota-Nagpur, the North-West Frontier Province, Baluchistan, the Punjab East and North, the United Provinces, Rajputana East, Gujarat, Central India East, Berar, the Central Provinces West, Mysore, and the Madras Presidency, and normal or in slight excess elsewhere.

The monthly mean maximum and minimum temperatures in June were not appreciably different from the average except in Upper Burma, Orissa, Chota-Nagpur and the Madras Deccan where the maximum was below normal and in Central India East where the minimum was lower than usual. In July both day and night temperatures over the plains of India were not very different from the normal except that the maximum temperature was below normal in Upper Burma and the Madras Deccan and above it in the North-West Frontier Province. The local temperature distribution over India in August and September followed, in a general way, the distribution of rain in these months. In August the month's mean maximum temperature was above normal in the United Provinces, the east and north Punjab, the North-West Frontier Province, east Central India, the Central Provinces, and Hyderabad South. In the next month the day temperature was above the average in Bihar, the United Provinces, east Central India and Mysore and below it in Kashmir, while both day and night temperatures were lower than usual in west Rajputana.

In June the normal pressure distribution was accentuated and a well-marked low existed (on the departure from normal map) over the region extending from Central India and Hyderabad to Assam and Bengal with a gradual rise in pressure all around it.

The amount of cloud in August was in defect in the greater part of the country, it being specially so in the United Provinces, Central India and Hyderabad.

The air was considerably drier than usual over north-west India and the adjacent parts in August. This condition of dryness was still more marked in the next month when the aqueous vapour pressure was in defect by as much as ·078″ in the United Provinces and by ·062″ in the Punjab.

IV. The Period of Retreating Southwest Monsoon—October to December—In ***October*** the south-west monsoon was very active over most of the country. In the beginning of the month the monsoon was strong in Upper Burma and north-east India under the influence of a depression in the north Bay of Bengal, which crossed the Orissa coast on the 3rd and disappeared three days later over the east Central Provinces. The monsoon also strengthened in the north of the Peninsula and the central parts of the country and rainfall extended into the United Provinces during the first week. The north-east monsoon appeared in the south Bay of Bengal on the 18th and a depression formed off the Coromandel coast, which crossed the coast near Madras on the evening of the 21st and caused very heavy rain on the east coast resulting in severe floods and serious breaches in railway lines. Almost simultaneously a depression formed in the Arabian Sea off the south Konkan, which travelled northwards and disappeared off the Sind-Kathiawar coast on the 26th. It caused an extension of rainfall along the west coast and in Sind, Gujarat and Rajputana. Widespread rain fell in the Peninsula and the United Provinces between the 19th and 24th. Except along the Frontier and in Kashmir, the Punjab East and North and Lower Burma, the rainfall in October was generally above normal. Over the country as a whole the month's rainfall was in excess by 54 per cent.

The chief feature of weather in ***November*** was the passage of a very active western disturbance across north-west India during the last week, which gave rise to a spell of unusually wet weather over the region extending from Sind and Baluchistan to the west United Provinces. The north east monsoon was normally active in the extreme south of the Peninsula but weak elsewhere. A storm which formed in the central Bay of Bengal about the middle of the month caused an extension of rainfall along the Arakan and Chittagong coasts, and into Upper Burma and Assam between the 16th and 20th. The north-east monsoon strengthened in the south of the Peninsula towards the close of the month, and heavy rain occurred over the Nilgiris which caused numerous landslips and damage to the Nilgiri Railway. Two more western disturbances entered north-west India during the month; the first of these caused widespread rain along and near the frontier and the western Himalayas during the second week, while the second one was very feeble and did not produce any precipitation. The weather was drier than usual during the month except in north-west India, the United Provinces West, Assam and the extreme south of the Peninsula. Averaged over the plains of India, rainfall in November was in defect by 26 per cent.

In ***December*** the north-east monsoon remained feeble till the end of the third week, but strengthened appreciably in the south of the Peninsula during the last week under the influence of a Bay storm which disappeared off the Coromandel coast on the 25th. Four western disturbances entered north-west India during the month, but their activity was more or less confined to the extreme north and along and near the Punjab-Kumaon hills. One of these, however, developed while passing eastwards and produced rainfall over the belt of the country extending from the north Bombay Deccan to the east United Provinces. The month's rainfall exceeded twice the normal amount in Chota-Nagpur, the United Provinces, the central parts of the country, the Punjab East and North, the North-West Frontier Province and Hyderabad South, but was in defect elsewhere except in the Madras Deccan and south Madras. Over the country as a whole, the rainfall of the month was in excess by 29 per cent.

The total rainfall of the period, October to December, was normal or in slight defect in the Bay Islands, Upper Burma, the Madras Deccan, Hyderabad, the Bombay Deccan and Malabar, and in moderate defect in Lower Burma. It was in slight to moderate excess in Orissa, the Central Provinces East, Gujarat, Baluchistan, the Konkan, Mysore, the Madras Coast North and Madras South-east, and in large excess elsewhere.

The mean monthly maximum and minimum temperatures in October were above normal in Baluchistan and Central India East, the maximum alone in the Punjab East and North and Kashmir, and the minimum alone in Bihar and Orissa, the United Provinces and the Central Provinces East. The local distribution of temperature in November was also irregular as in the previous month. The maximum temperature was above normal in Bihar, the United Provinces East, Central India East and the Central Provinces West, and below it in the Punjab South-west and the North-West Frontier Province. The night temperature was higher than usual in Central India East, Berar, Rajputana West, the Punjab, Kashmir, the North-West Frontier Province, Sind and Baluchistan, and lower than the average in Upper Burma. The mean maximum temperature in December was above normal in Lower Burma and Bihar, and below it in north-west India excluding Sind, Central India West and in the Madras Deccan; the minimum temperature was above the average in the Bay Islands, the United Provinces East, the Central Provinces West, Berar, Central India East, the North-West Frontier Province, Hyderabad North, the Madras Deccan and Mysore.

TABLE A-1.—*Departure of the mean monthly and annual pressure from the normal in the 15 chief political divisions of India in 1928.*

Division.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
Burma	—·009	—·003	—·008	—·025	—·005	—·035	0	—·002	—·003	+·021	+·033	—·013	—·004
Assam	+·010	+·008	—·009	—·003	—·011	—·043	+·007	—·002	—·007	+·011	+·039	+·002	0
Bengal	+·010	+·006	—·007	+·002	—·014	—·057	+·007	+·001	+·002	+·008	+·037	—·006	—·001
Bihar and Orissa	+·016	+·015	0	+·004	—·021	—·046	+·007	+·013	—·004	—·006	+·028	—·001	0
United Provinces	+·016	+·005	—·006	—·004	—·034	—·039	—·002	+·010	—·011	—·014	+·003	—·007	—·007
Punjab	+·024	—·008	—·006	—·012	—·032	—·030	+·013	+·011	—·002	—·015	—·010	—·003	—·006
N. W. F. Province	+·033	+·017	—·004	—·017	—·027	—·033	+·013	+·023	—·002	—·038	—·027	—·007	—·006
Sind	+·030	—·001	—·007	—·010	—·011	—·022	+·024	+·031	+·026	—·016	0	+·013	+·004
Rajputana	+·009	—·006	—·005	—·004	—·007	—·031	+·005	+·024	+·021	—·015	+·003	+·004	0
Bombay	+·005	+·003	—·005	—·015	+·006	—·014	+·010	+·018	+·018	—·018	+·021	—·008	+·002
Central India	0	—·009	—·010	—·008	—·019	—·043	—·007	+·019	+·011	—·019	+·013	—·007	—·007
Central Provinces	—·006	+·005	—·006	—·018	—·020	—·046	—·011	+·016	+·002	—·027	+·020	—·013	—·009
Hyderabad	+·006	+·008	—·003	—·021	—·007	—·041	—·002	+·015	—·001	—·027	+·028	—·013	—·005
Mysore	+·011	+·009	—·001	—·010	+·009	—·026	+·012	+·027	+·013	—·014	+·033	—·015	+·004
Madras	+·004	+·007	—·001	—·019	—·003	—·038	+·007	+·022	—·001	—·015	+·031	—·021	—·002
Mean of India	+·007	+·002	—·005	—·011	—·013	—·036	+·004	+·013	+·003	—·009	+·019	—·008	—·003

TABLE A-2.

Monthly and annual means of maximum and minimum temperatures with their departures from normal in the 15 chief political divisions of India in 1928.

TABLE A-2.—*Monthly and annual means of maximum and minimum temperature*

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 . . .	85·7	+2·5	62·0	+1·8	87·9	+0·9	64·6	+1·8	91·5	—0·5	68·8	+0·1	93·7	—1·0	74·9	+0·7	91·7	—0·6	75·8	—0·2	86·1	—1·7	74·9	—0·8
Assam . .	74·1	+0·6	51·6	+0·2	81·0	+4·9	55·5	+0·8	85·6	+3·0	62·1	+0·8	89·1	+4·9	68·2	+0·8	86·2	—0·4	72·1	0	88·5	+0·3	75·9	0
Bengal . . .	77·7	+0·7	54·6	+0·4	83·6	+2·7	58·5	+0·7	92·4	+3·4	66·4	0	93·9	+0·9	72·9	—0·4	92·3	+0·2	75·7	—0·2	89·0	—0·4	77·5	—0·3
Bihar and Orissa .	76·8	—0·2	53·5	+0·8	82·3	+0·8	58·4	+1·5	94·4	+2·9	65·8	+0·5	98·3	—0·9	72·8	—0·9	100·8	+0·9	78·4	+0·7	92·3	—1·9	78·0	—0·7
United Provinces	69·7	—3·2	49·2	+1·7	76·4	—1·1	53·9	+2·8	90·2	+0·7	60·6	+0·2	98·9	—1·5	70·0	—0·8	106·5	+1·9	80·4	+2·0	99·8	—1·4	80·7	—1·0
Punjab . .	64·7	—3·4	43·1	+0·6	73·5	+1·8	49·1	+2·9	83·1	+0·4	56·2	+0·4	95·8	+1·2	67·3	+1·3	107·6	+3·7	78·7	+3·2	105·5	—0·3	82·4	+0·7
N. W. F. Province .	62·3	—3·6	41·2	+1·3	69·1	+0·3	45·4	+1·8	77·2	—1·1	53·6	+0·3	92·4	+3·3	63·9	+1·2	105·1	+3·9	75·0	+2·7	107·7	+0·5	79·7	+0·3
Sind . . .	74·0	—1·2	52·7	+1·8	80·7	+1·8	54·6	0	89·2	+1·0	66·3	+2·6	99·0	+3·5	73·7	+1·8	103·3	+0·6	79·8	+1·3	101·7	—1·3	82·5	—0·5
Rajputana .	72·6	—2·2	49·6	+0·7	81·2	+2·4	54·3	+1·8	91·1	+1·2	64·5	+2·0	100·6	+0·7	72·4	—0·6	107·6	+1·4	83·1	+2·0	104·6	+0·5	83·0	—0·2
Bombay . .	84·2	—0·1	59·1	+0·6	86·7	0	59·8	—0·8	92·9	+0·4	67·4	+0·3	97·9	+1·0	74·1	+0·8	98·6	+0·6	76·8	0	92·7	+0·4	77·2	+0·2
Central India .	75·1	—1·4	50·0	+1·5	80·9	+0·3	53·2	+1·4	91·3	+0·1	60·4	—0·5	100·1	—0·3	68·7	—2·1	106·2	+1·5	79·4	+1·3	99·3	+0·4	78·4	—1·1
Central Provinces	82·0	+0·7	54·8	+1·5	85·4	—0·3	57·6	+0·5	94·9	+0·2	65·2	+0·1	102·8	+0·4	72·8	—0·9	107·7	+2·1	81·5	+2·0	98·1	+1·1	78·0	+0·2
Hyderabad . .	86·9	+1·3	61·3	+1·4	90·3	—0·4	64·8	+0·9	98·1	+0·4	70·1	0	103·4	+0·9	76·8	+0·5	107·7	+3·4	80·4	+1·1	95·8	+0·1	75·5	—0·3
Mysore .	86·1	+3·0	62·6	+2·7	88·1	0	65·3	+2·1	94·1	+1·0	67·7	+0·2	95·3	+1·2	71·6	+0·9	96·2	+3·6	70·8	+0·7	86·4	+1·1	68·8	+0·5
Madras	85·4	+0·1	68·9	+1·7	87·9	—0·8	71·8	+1·5	91·7	—1·1	73·2	—0·5	94·3	—1·2	78·5	+0·6	98·1	+1·3	81·0	+1·5	93·8	+0·2	78·7	+0·6

with their departures from normal in the 15 chief political divisions of India in 1928.

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.
85·8	—0·9	75·4	—0·1	86·3	0	75·4	+0·1	87·7	+0·5	75·5	+0·4	86·9	—0·7	72·9	—0·8	86·1	+0·8	67·1	—1·7	84·6	+2·2	62·8	+0·4	87·8	+0·1	70·8	+0·1
89·6	+1·1	77·2	—0·1	88·3	—0·1	76·9	—0·5	88·3	+0·4	76·5	+0·3	83·5	—2·2	71·3	+0·1	79·9	—0·8	60·3	—1·3	76·1	+1·4	52·8	0	84·2	+1·1	66·7	+0·1
88·4	+0·2	78·2	—0·2	88·9	+1·2	78·4	+0·2	89·7	+1·5	78·7	+1·0	87·8	+0·3	75·1	+1·3	83·9	+1·1	64·2	—0·2	79·2	+1·9	56·7	+1·1	87·2	+1·1	69·7	+0·2
88·4	—0·9	77·7	—0·3	89·3	+1·1	78·2	+0·5	90·9	+2·1	78·1	+1·1	87·9	—0·2	74·1	+2·6	84·5	+2·0	60·8	—0·2	78·5	+1·6	54·0	+1·5	88·7	+0·6	69·1	+0·5
91·9	—0·9	79·3	—0·3	94·3	+3·9	79·8	+1·4	96·4	+4·8	76·6	+0·4	91·9	+0·8	70·3	+3·5	85·2	+2·1	56·4	+1·4	74·6	—0·3	49·4	+1·9	89·7	+0·5	67·2	+1·1
100·2	+0·4	81·8	+0·6	98·7	+1·9	81·1	+1·5	96·8	+0·3	73·8	—1·0	95·1	+1·9	64·4	+1·7	80·2	—2·0	53·2	+2·8	68·3	—3·1	43·8	+1·2	89·1	+0·2	64·6	+1·3
105·8	+2·3	82·2	+1·1	102·5	+2·4	81·0	+1·3	97·8	+0·1	72·3	—0·7	92·5	+1·5	60·6	+0·9	76·4	—3·1	49·2	+2·1	65·0	—4·1	41·9	+2·1	87·8	+0·2	62·2	+1·2
99·0	+0·2	82·5	+0·2	96·0	+0·7	80·2	+0·4	95·5	0	76·0	—0·4	96·0	+1·2	70·7	+1·6	86·3	—0·7	61·6	+2·4	76·0	—1·7	51·3	—0·5	91·4	+0·3	69·3	+0·9
95·6	—0·4	80·4	+0·3	92·6	+0·5	77·2	—0·7	92·6	—1·4	74·5	—1·3	93·5	—1·2	69·1	+1·2	86·1	—0·1	58·7	+1·7	74·7	—2·7	49·2	—0·8	91·1	—0·1	68·0	+0·5
86·5	—0·4	75·3	—0·1	86·1	0	73·8	—0·3	85·9	—1·3	72·3	—0·8	89·6	—1·1	71·2	+0·7	88·9	+0·5	65·4	+1·0	83·7	—1·2	59·5	+0·4	89·5	—0·1	69·3	+0·1
87·2	—0·9	75·4	—0·5	87·4	+2·0	74·8	+0·5	90·7	+2·9	73·1	+0·4	90·6	+1·1	67·9	+3·1	85·9	+2·9	56·3	+2·0	75·8	—1·3	50·6	+2·5	89·2	+0·6	65·7	+0·7
85·7	—1·2	74·2	—0·1	87·6	+2·5	73·7	+0·3	88·6	+1·2	73·3	+0·7	88·6	—0·4	68·5	+1·8	86·0	+1·9	58·5	+0·4	79·3	—0·8	54·0	+2·0	90·6	+0·7	67·7	+0·7
87·9	—0·8	73·0	—0·2	89·0	+1·8	72·1	—0·2	86·5	—1·3	72·0	—0·1	87·7	—2·2	70·1	+0·5	87·0	+0·7	63·9	+0·5	83·5	—0·4	60·4	+1·9	92·0	+0·3	70·0	+0·5
82·7	+0·4	67·8	+0·6	82·0	—0·5	67·1	+0·2	85·7	+2·2	66·6	0	83·8	0	67·9	+1·3	83·2	+1·5	65·1	+1·4	80·9	0	62·1	+2·1	87·1	+1·1	66·9	+1·0
90·1	—0·9	77·0	+0·2	90·2	—0·1	76·4	+0·2	90·5	+0·5	76·5	+0·6	88·2	—0·5	75·4	+0·9	86·1	+0·3	72·3	+0·9	84·1	—0·2	69·4	+1·6	90·0	—0·2	74·9	+0·8

TABLE A-3.—*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	84·6	—1·5	76·9	+1·3	86·1	—1·5	75·8	+0·8	87·0	—3·3	75·1	—1·2	88·0	—4·2	78·3	—0·4	87·9	—0·8	78·2	—0·2	85·5	—0·3	77·9	+0·1
2. Lower Burma	88·2	+2·8	67·6	+2·6	88·9	+0·7	68·7	+1·6	90·8	—0·7	71·6	—0·1	91·8	—1·6	76·3	+0·3	90·0	—0·1	76·5	—0·2	84·7	—1·2	75·0	—0·8
3. Upper Burma	82·1	+2·1	53·9	+0·7	86·4	+1·2	58·7	+2·0	92·3	—0·4	64·6	+0·3	96·5	—0·2	72·6	+1·1	94·0	—1·3	74·7	—0·2	88·1	—2·5	75·0	—0·7
4. Assam	74·1	+0·6	51·6	+0·2	81·0	+4·9	55·5	+0·8	85·6	+3·0	62·1	+0·8	89·1	+4·9	68·2	+0·8	86·2	—0·4	72·1	0	88·5	+0·3	75·9	0
5. Bengal	77·7	+0·7	54·6	+0·4	83·6	+2·7	58·5	+0·7	92·4	+3·4	66·4	0	93·9	+0·9	72·9	—0·4	92·3	+0·2	75·7	—0·2	89·0	—0·4	77·5	—0·3
6. Orissa	83·8	+1·8	57·5	+0·4	88·3	+1·6	63·0	+0·8	97·5	+2·6	69·3	—0·3	98·7	—1·7	75·1	—1·1	101·9	+0·5	80·4	+0·7	92·8	—2·2	77·9	—1·8
7. Chota-Nagpur	76·4	—0·1	52·9	+1·2	80·8	+0·1	57·2	+1·1	92·5	+2·1	66·1	+1·7	96·7	—2·3	71·2	—1·7	102·6	+1·9	77·8	+1·1	90·4	—2·1	75·5	—1·0
8. Bihar	72·8	—1·5	51·4	+0·9	79·4	+0·6	56·1	+2·0	93·5	+3·5	63·7	+0·5	98·8	+0·2	72·1	—0·4	99·4	+0·7	77·4	+0·5	92·7	—1·7	79·1	+0·2
9. United Provinces, East.	70·4	—3·2	50·0	+2·3	77·0	—1·3	54·4	+3·0	91·2	+1·0	61·3	+0·6	99·2	—1·7	70·7	—0·4	105·8	+1·7	80·2	+2·1	98·3	—1·9	80·2	—1·1
10. United Provinces, West.	68·9	—3·2	48·3	+1·1	75·7	—0·9	53·3	+2·5	88·8	+0·3	59·7	—0·3	98·4	—1·4	69·4	—1·2	107·3	+2·1	80·7	+1·9	101·8	—0·7	81·3	—0·9
11. Punjab, East and North.	64·1	—3·5	43·3	+0·4	72·9	+1·5	49·5	+3·1	83·1	+0·5	56·2	+0·4	95·4	+0·7	66·8	+0·9	107·1	+3·8	78·4	+3·4	104·7	—0·1	81·3	+0·5
12. Punjab, South-west.	65·7	—3·2	42·7	+1·0	74·6	+2·3	48·4	+2·7	83·2	+0·3	56·3	+0·4	96·6	+2·2	68·1	+1·9	108·3	+3·4	79·5	+3·0	106·9	—0·7	84·3	+1·0
13. Kashmir	34·8	+1·0	19·7	+5·3	36·9	—0·8	18·5	+1·9	47·2	—1·4	28·9	+1·3	60·0	+0·4	38·5	+0·5	73·0	+1·9	47·7	+1·3	78·9	+0·7	52·5	+0·5
14. N.W. F. Province.	62·3	—3·6	41·2	+1·3	69·1	+0·3	45·4	+1·8	77·2	—1·1	53·6	+0·3	92·4	+3·3	63·9	+1·2	105·1	+3·9	75·0	+2·7	107·7	+0·5	79·7	+0·3
15. Baluchistan	54·3	—6·0	35·2	—0·1	65·1	+2·9	38·5	+1·1	71·8	+0·6	45·8	+0·4	88·3	+7·4	57·2	+3·7	94·0	+2·0	64·1	+2·1	99·0	+1·0	69·6	+1·4
16. Sind	74·0	—1·2	52·7	+1·8	80·7	+1·8	54·6	0	89·2	+1·0	66·3	+2·6	99·0	+3·5	73·7	+1·8	103·3	+0·6	79·8	+1·3	101·7	—1·3	82·5	—0·5
17. Rajputana, West	72·7	—1·8	49·8	+0·5	82·1	+3·6	54·6	+1·9	91·1	+1·3	64·8	+1·9	101·0	+0·9	73·8	+0·5	108·0	+1·3	82·6	+1·5	105·6	+0·1	82·8	—0·9
18. Rajputana, East	72·6	—2·4	49·6	+0·9	80·6	+1·5	54·1	+1·8	91·2	+1·2	64·2	+2·0	100·4	+0·6	71·6	—1·3	107·3	+1·4	83·3	+2·2	103·8	+0·7	83·1	+0·2
19. Gujarat	81·4	—1·4	55·9	+0·1	85·5	+0·4	56·7	—1·5	93·0	+0·7	66·4	+0·7	99·5	+1·8	73·8	+1·1	99·8	+0·1	77·8	—0·2	97·0	+0·9	80·9	+0·6
20. Central India, West.	76·6	—1·9	49·9	+0·4	82·4	+0·5	52·9	+0·9	90·9	—0·6	60·7	—0·1	99·2	—0·5	69·3	—1·1	103·2	—0·1	77·8	+1·1	97·6	+0·7	76·8	+0·2
21. Central India, East.	73·6	—0·9	50·3	+2·7	79·4	+0·1	53·4	+1·8	91·7	+0·8	60·0	—0·9	100·9	—0·2	68·4	—2·9	109·2	+3·1	81·2	+1·5	101·1	+0·1	80·0	—2·3
22. Berar	86·0	+0·7	58·1	+1·7	89·1	—0·9	61·2	+1·5	98·3	+0·1	67·9	+0·4	106·0	+0·9	75·0	—0·5	109·5	+1·8	82·4	+1·7	98·7	+0·4	78·2	+0·5
23. Central Provinces, West.	80·6	+0·4	53·5	+1·4	84·3	—0·2	55·6	0	93·6	—0·5	63·4	—0·5	102·2	—0·1	71·5	—1·5	107·6	+1·6	81·3	+1·9	99·3	+1·4	78·4	+0·2
24. Central Provinces, East.	82·1	+1·1	55·1	+1·6	85·2	—0·3	58·7	+0·7	95·4	+1·4	66·3	+0·7	102·1	+1·0	73·7	—0·2	107·2	+3·1	81·3	+2·3	95·9	+0·9	77·0	—0·1
25. Konkan	86·7	+1·4	69·2	+1·6	84·3	—0·6	69·0	+0·6	87·1	+0·3	73·3	+0·3	89·8	+0·6	78·7	+1·1	90·9	+0·5	81·2	+0·9	85·9	—0·7	77·1	—0·6
26. Bombay, Deccan	86·2	+0·7	57·0	+0·9	90·0	—0·2	58·0	—0·7	96·6	0	65·1	—0·1	101·1	+0·2	71·2	+0·1	101·8	+1·1	72·9	—0·1	91·0	+0·1	72·4	+0·2
27. Hyderabad, North.	86·4	+1·1	58·0	+1·7	88·8	—1·0	60·5	+0·3	97·2	+0·1	68·7	+1·6	103·2	+0·5	75·8	+1·1	106·2	+1·3	80·0	+1·9	95·3	—0·3	75·0	+0·1
28. Hyderabad, South.	87·3	+1·5	63·0	+1·3	91·0	—0·1	66·9	+1·1	98·5	+0·6	70·8	—0·8	103·4	+1·1	77·5	+0·3	108·[illegible]	+4·5	80·6	+0·7	96·0	+0·3	75·7	—0·5
29. Mysore	86·1	+3·0	62·6	+2·7	88·1	0	65·3	+2·1	94·1	+1·0	67·7	+0·2	96·3	+1·2	71·6	+0·9	96·2	+3·6	70·8	+0·7	86·4	+1·1	68·8	+0·5
30. Malabar	88·2	+0·7	73·4	+2·3	88·0	—0·1	74·9	+1·7	89·1	—0·5	76·9	+0·7	89·5	—1·0	78·7	+0·4	90·3	+0·9	79·6	+1·5	84·8	+0·3	75·4	+0·4
31. Madras, South-East.	85·8	+0·5	70·9	+2·5	88·0	—0·9	71·2	+1·5	92·3	—0·9	72·5	—0·5	94·7	—1·3	78·1	+0·8	99·0	+1·3	80·6	+1·9	96·6	+0·7	79·1	+1·2
32. Madras, Daccan.	87·9	—0·4	65·1	+2·6	91·4	—2·8	68·1	+1·2	98·2	—2·5	71·6	—1·3	102·6	—1·7	79·2	+0·3	104·9	+0·6	81·6	+1·1	95·2	—2·1	77·5	—0·4
33. Madras Coast, North.	81·7	—0·5	65·3	0	85·9	—0·2	70·6	+1·6	89·5	—1·0	72·4	—0·8	92·7	—0·8	79·4	+0·6	93·5	+1·6	81·9	+1·0	95·0	+0·8	81·2	+0·5

with their departures from normal in the 33 sub-divisions of India in 1928.

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.
85·2	−0·2	77·9	+0·4	84·4	−0·8	76·8	−0·4	85·3	+0·4	76·6	0	85·0	−1·4	76·6	−0·3	86·4	−0·2	78·4	+1·3	85·9	+0·3	78·9	+2·4	85·9	−1·2	77·3	+0·3
85·0	+0·4	75·3	+0·1	84·4	0	75·3	+0·1	85·9	+0·5	75·5	+0·2	87·2	+0·1	74·3	−0·8	88·0	+1·6	71·4	−0·7	87·0	+2·4	67·9	+0·8	87·7	+0·4	72·9	+0·2
87·1	−2·6	75·5	−0·3	89·0	0	75·7	+0·2	90·3	+0·6	75·4	+0·7	86·6	−1·8	70·8	−1·0	83·4	−0·3	61·2	−2·9	81·0	+1·8	55·4	−0·2	88·1	−0·2	67·8	0
89·6	+1·1	77·2	−0·1	88·3	−0·1	76·9	−0·5	88·3	+0·4	76·5	+0·3	83·5	−2·2	71·3	+0·1	79·9	−0·8	60·3	−1·3	76·1	+1·4	52·8	0	84·2	+1·1	66·7	+0·1
88·4	+0·2	78·2	−0·2	88·9	+1·2	78·4	+0·2	89·7	+1·5	78·7	+1·0	87·8	+0·3	75·1	+1·3	83·9	+1·1	64·2	−0·2	79·2	+1·9	56·7	+1·1	87·2	+1·1	69·7	+0·2
88·0	−1·0	77·9	−0·2	89·1	+0·9	78·1	+0·2	90·0	+0·7	78·1	+0·5	88·1	−1·0	75·6	+2·4	86·0	+1·7	63·2	−0·5	81·4	+1·2	57·1	+1·2	90·5	+0·5	71·1	+0·2
86·0	−1·5	74·9	−0·6	86·8	+0·7	75·3	+0·3	88·1	+1·4	74·8	+0·9	85·3	−0·9	71·0	+2·5	81·8	+1·3	58·3	−0·7	75·8	+0·3	51·9	+1·1	86·9	0	67·2	+0·5
89·6	−0·6	78·7	−0·3	90·4	+1·3	79·4	+0·8	92·7	+3·3	79·4	+1·6	88·8	+0·6	74·5	+2·8	84·7	+2·5	60·2	+0·1	77·7	+2·3	53·0	+1·8	88·4	+1·0	68·7	+0·8
90·7	−1·7	79·3	−0·2	93·8	+3·7	80·1	+1·6	96·4	+5·1	78·0	+1·2	91·0	+0·3	71·5	+3·9	86·0	+2·9	56·7	+1·2	76·0	+0·9	50·0	+2·3	89·7	+0·5	67·7	+1·4
93·5	+0·1	79·2	−0·4	94·8	+4·1	79·4	+1·2	96·4	+4·5	75·2	−0·4	93·0	+1·4	68·9	+3·0	84·3	+1·2	56·0	+1·6	72·8	−1·7	48·6	+1·4	89·6	+0·4	66·7	+0·8
98·5	+0·7	80·6	+0·6	97·7	+2·8	80·3	+1·7	96·1	+1·1	73·4	−0·7	94·3	+2·0	63·8	+1·5	79·9	−1·6	52·7	+2·6	67·8	−3·3	44·1	+1·3	88·5	+0·4	64·2	+1·3
103·2	−0·1	83·8	+0·6	100·3	+0·2	82·5	+1·2	98·0	−1·1	74·7	−1·3	96·5	+1·8	65·3	+1·9	80·5	−2·8	53·8	+2·9	69·1	−2·7	43·1	+0·9	90·2	−0·1	65·2	+1·2
81·6	−0·7	58·3	+0·5	80·7	−1·0	57·2	−0·5	72·0	−2·7	48·4	−1·0	68·8	+3·3	39·7	+1·1	52·4	−0·8	29·5	+2·2	36·6	−3·1	17·8	−1·1	60·2	−0·3	38·1	+1·0
105·8	+2·3	82·2	+1·1	102·0	+2·4	81·0	+1·3	97·8	+0·1	72·3	−0·7	92·5	+1·5	60·6	+0·9	76·4	−3·1	49·2	+2·1	65·0	−4·1	41·9	+2·1	87·8	+0·2	62·2	+1·2
98·3	−0·6	71·3	−0·1	97·0	+0·9	70·2	+1·9	89·8	−1·3	58·3	−1·3	85·3	+2·6	51·4	+2·1	72·2	0	44·2	+3·5	59·7	−2·4	35·5	+0·7	81·2	+0·6	53·4	+1·2
99·0	+0·2	82·5	+0·2	96·0	+0·7	80·2	+0·4	95·5	0	76·0	−0·4	96·0	+1·2	70·7	+1·6	86·3	−0·7	61·6	+2·4	76·0	−1·7	51·3	−0·5	91·4	+0·3	69·3	+0·9
98·6	−0·9	83·0	+1·4	95·1	−0·4	78·3	−0·9	93·6	−2·9	75·0	−2·1	95·7	−0·6	70·4	+0·9	87·0	−0·1	60·6	+2·1	75·3	−2·1	50·7	−0·2	92·1	−0·2	68·9	+0·6
93·6	−0·1	78·7	−0·4	91·0	+1·1	76·5	−0·5	92·0	−0·3	74·2	−0·8	92·1	−1·6	68·2	+1·3	85·4	−0·2	57·5	+1·5	74·3	−3·0	48·3	−1·0	90·4	−0·1	67·4	+0·5
89·1	−0·9	78·2	−0·3	88·8	−0·1	76·3	−0·4	88·4	−1·7	74·3	−1·0	93·0	−1·0	72·6	+1·5	90·1	−0·4	65·5	+1·8	82·4	−2·2	56·3	−0·8	90·7	−0·3	69·6	+0·2
85·0	−1·7	73·0	−0·7	83·3	−0·5	71·8	−0·3	86·0	−0·7	70·3	−0·2	88·8	−1·1	65·4	+1·3	84·8	+0·5	56·2	+1·3	75·5	−3·7	49·8	+0·3	87·8	−0·7	64·5	+0·3
89·4	−0·2	77·8	−0·3	91·4	+4·5	77·8	+1·2	95·4	+6·5	75·9	+1·1	92·3	+3·2	70·3	+4·7	87·0	+5·3	56·4	+2·7	76·2	+1·1	51·4	+4·6	90·6	+1·9	66·9	+1·2
87·6	−1·1	75·0	+0·7	89·6	+2·9	74·0	+0·9	89·1	+0·2	73·5	+1·0	90·6	−1·1	69·5	+1·9	89·2	+1·7	62·4	+2·2	82·6	−1·1	58·3	+3·4	93·0	+0·3	69·6	+1·3
85·6	−1·3	74·2	−0·4	86·9	+2·2	73·4	−0·1	89·1	+1·8	73·1	+0·7	89·4	+0·2	67·5	+1·5	86·4	+2·5	57·8	+1·1	77·7	−1·7	53·2	+2·1	90·2	+0·5	66·9	+0·5
84·9	−1·2	74·0	0	87·4	+2·7	74·1	+0·6	87·6	+0·9	73·5	+0·5	86·4	−0·8	69·8	+2·3	83·8	+1·2	57·5	−1·5	79·7	+0·6	53·0	+1·1	89·8	+0·9	67·8	+0·6
83·8	−0·1	76·0	−0·3	83·3	−0·2	75·0	−0·8	83·5	−0·3	74·2	−1·0	85·6	−1·1	75·1	0	89·8	+1·9	72·3	+0·4	87·3	+0·7	70·2	+1·6	86·5	+0·2	74·3	+0·3
84·8	0	71·1	+0·3	84·4	+0·2	69·5	−0·1	84·4	−1·3	68·3	−0·5	87·5	−1·3	66·8	0	87·2	+1·1	60·6	+0·3	83·1	−1·0	56·9	+1·4	89·8	−0·1	65·8	+0·1
86·2	−1·5	72·1	−0·2	87·0	+1·3	71·0	−0·1	85·5	−1·6	70·9	+0·1	87·6	−2·3	68·1	+0·6	87·1	+0·8	61·7	+1·5	82·8	−0·9	57·4	+2·7	91·1	−0·2	68·3	+1·0
88·8	−0·4	73·4	−0·2	89·9	+2·0	72·6	−0·3	87·0	−1·1	72·6	−0·2	87·7	−2·2	71·1	+0·5	87·0	+0·7	65·0	+0·1	84·0	−0·1	61·8	+1·5	92·4	+0·5	70·9	+0·8
82·7	+0·4	67·8	+0·6	82·0	−0·5	67·1	+0·2	85·7	+2·2	66·6	0	33·8	0	67·9	+1·3	83·2	+1·5	65·1	+1·4	80·9	0	62·1	+2·1	87·1	+1·1	66·9	+1·0
88·8	+0·7	75·0	+0·7	82·1	−1·0	73·8	−0·6	84·4	+0·3	74·6	+0·1	84·6	−0·7	74·5	−0·2	87·0	+0·9	75·1	+1·2	87·4	+0·5	73·2	+1·4	86·6	+0·1	75·4	+0·8
93·0	−0·9	77·3	+0·6	92·3	−0·8	76·4	+0·5	93·6	+1·4	76·7	+1·3	89·6	+0·3	75·2	+0·9	85·4	−0·5	73·7	+1·4	84·0	−0·1	71·2	+1·5	91·2	−0·1	75·2	+1·1
96·9	−2·1	75·7	−0·3	91·5	−0·5	74·8	−0·2	90·8	+0·6	74·3	0	90·6	−1·2	73·4	+1·1	87·9	−0·1	67·8	+0·7	84·4	−2·0	64·3	+2·0	93·0	−1·3	72·8	+0·6
89·8	−1·4	78·5	−0·4	92·0	+1·5	79·2	+0·7	90·2	−0·2	78·4	+0·3	87·6	−1·2	77·3	+1·5	85·3	+1·0	70·6	−0·1	81·5	0	67·1	+1·8	89·2	0	75·1	+0·6

TABLE A-4.—*Departure of the mean monthly and annual aqueous vapour pressure from the normal in the 15 chief political divisions of India in 1928.*

DIVISION.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
Berma	+·037	+·036	—·009	+·026	+·011	—·015	+·005	+·006	+·005	+·028	—·038	+·005	+·008
Assam	+·014	+·012	—·005	—·007	0	—·006	—·008	+·007	+·020	0	—·031	—·008	—·001
Bengal	+·015	—·005	—·015	—·006	+·002	—·008	—·009	—·004	+·020	+·029	+·004	+·025	+·004
Bihar and Orissa . .	+·041	+·028	—·048	—·041	+·013	—·005	+·001	—·007	+·035	+·082	+·006	+·043	+·012
United Provinces . .	+·044	+·091	+·003	+·010	+·027	+·030	+·003	—·050	—·078	+·072	+·007	+·037	+·016
Punjab	+·030	+·039	—·025	+·013	—·036	—·016	+·022	—·053	—·062	+·019	+·036	+·041	+·008
N. W. F. Province . .	+·039	+·024	+·007	+·035	+·001	+·011	+·025	—·032	—·005	+·029	+·053	+·035	+·019
Sind	+·015	+·001	—·015	—·003	+·026	—·019	—·053	—·046	—·048	+·006	+·077	—·030	—·007
Rajputana	+·035	+·033	—·034	—·055	—·046	—·057	—·012	—·032	—·045	+·061	+·061	+·028	—·005
Bombay	+·003	—·012	—·008	—·004	—·023	—·022	+·007	—·010	—·022	+·040	+·033	+·015	0
Central India . . .	+·062	+·063	+·006	—·039	—·001	+·014	+·017	—·011	—·011	+·090	+·023	+·063	+·023
Central Provinces . .	+·052	+·034	+·009	—·046	—·022	—·004	+·009	—·011	+·018	+·095	+·041	+·072	+·021
Hyderabad . . .	+·024	+·033	—·048	—·060	—·079	+·006	+·019	—·004	+·005	+·071	+·014	+·055	+·003
Mysore	+·031	+·057	—·001	+·004	—·007	—·006	+·006	—·001	—·039	+·033	+·023	+·032	+·011
Madras	+·024	+·014	—·049	+·001	—·013	—·011	+·003	—·014	—·017	+·030	+·003	+·024	0
Mean of India . . .	+·032	+·030	—·015	—·011	—·011	—·010	+·004	—·016	—·014	+·039	+·015	+·030	+·006

TABLE A-5.—*Departure of the mean monthly and annual relative humidity from the normal in the 15 chief political divisions of India in 1928.*

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

TABLE A-6.—*Departure of the mean monthly and annual cloud amount from the normal in the 15 chief political divisions of India in 1928.*

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

TABLE A-7.—*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 . . .	0·04	—0·07	—64	0·41	+0·19	+86	0·16	—0·31	—66	2·46	+1·14	+86	7·64	—1·19	—13	23·23	+7·07	+44
Assam . . .	0·31	—0·36	—54	0·76	—0·76	—50	2·74	—1·25	—31	5·04	—3·97	—44	16·43	+4·42	+37	16·26	—1·92	—11
Bengal . . .	0·43	+0·09	+26	0·12	—0·84	—87	0·39	—1·30	—77	2·50	—0·74	—23	8·06	+0·43	+6	17·36	+2·83	+19
Bihar and Orissa .	1·41	+0·90	+176	0·58	—0·34	—37	0·05	—0·68	—93	1·45	+0·64	+79	2·18	—0·29	—12	10·13	+1·61	+19
United Provinces .	1·20	+0·41	+52	3·57	+2·85	+396	0·07	—0·39	—85	0·42	+0·17	+68	0·38	—0·30	—44	3·32	—1·07	—24
Punjab . . .	0·85	—0·18	—17	0·78	—0·11	—12	0·35	—0·48	—58	0·52	—0·02	—4	0·14	—0·43	—75	1·06	—0·67	—39
North-West Frontier Province.	0·72	—0·56	—44	2·54	+1·35	+113	2·13	+0·24	+13	0·98	—0·56	—36	0·28	—0·49	—64	0·52	—0·21	—29
Sind . . .	0·08	—0·15	—65	0·04	—0·25	—86	0·01	—0·22	—96	0·08	—0·03	—27	0	—0·15	—100	0·03	—0·44	—94
Rajputana . .	0·09	—0·21	—70	0·52	+0·25	+93	0·02	—0·19	—90	0·04	—0·12	—75	0·09	—0·42	—82	0·67	—1·55	—70
Bombay . . .	0·01	—0·11	—92	0·38	+0·30	+375	0·15	+0·04	+36	0·31	—0·08	—21	0·20	—0·86	—81	7·64	—1·12	—13
Central India . .	0·18	—0·28	—61	1·48	+1·09	+279	0·08	—0·14	—64	0·01	—0·15	—94	0·08	—0·39	—83	2·75	—2·13	—44
Central Provinces .	0·13	—0·38	—75	1·51	+0·71	+89	0·33	—0·20	—38	0·11	—0·36	—77	0·23	—0·44	—66	7·37	—0·54	—7
Hyderabad . .	0	—0·17	—100	1·03	+0·78	+312	1·05	+0·66	+169	0·12	—0·53	—82	0·35	—0·52	—60	6·71	+1·76	+36
Mysore . . .	0·02	—0·10	—83	1·75	+1·62	+1246	0·80	+0·49	+158	1·72	+0·26	+18	2·53	—1·05	—29	3·79	—1·01	—21
Madras . . .	0·60	—0·14	—19	1·74	+1·30	+295	0·89	+0·18	+25	2·45	+0·70	+40	2·06	—1·47	—42	6·59	—1·35	—17
Mean of India . .	0·40	—0·06	—13	1·05	+0·50	+91	0·44	—0·26	—37	1·22	+0·01	+1	2·72	—0·44	—14	8·64	+0·66	+8

monthly and annual rainfall, with its departure from normal in 1928.

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.
"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
20·50	+2·93	+17	17·38	+0·19	+1	9·77	—2·56	—21	6·17	—0·37	—6	0·94	—1·28	—58	0	—0·49	—100	88·70	+5·25	+6
15·30	—3·11	—17	17·77	+1·23	+7	14·97	+2·40	+19	12·40	+6·71	+118	0·78	—0·14	—15	0·06	—0·29	—83	102·82	+2·96	+3
18·55	+3·52	+23	15·35	+1·22	+9	7·49	—3·38	—31	9·36	+4·28	+84	0·16	—0·64	—80	0·01	—0·16	—94	79·78	+5·31	+7
15·40	+2·77	+22	10·07	—2·87	—22	4·74	—3·93	—45	7·12	+4·02	+130	0·04	—0·57	—93	0·20	+0·07	+54	53·37	+1·33	+3
11·46	—0·06	—1	4·26	—6·94	—62	1·87	—4·52	—71	2·15	+0·81	+60	0·23	+0·06	+35	0·73	+0·44	+152	29·66	—8·54	—22
4·00	—1·32	—25	3·90	—1·53	—28	2·31	—0·47	—17	0·16	—0·15	—48	1·20	+1·08	+900	0·92	+0·54	+142	16·19	—3·74	—19
1·67	—0·91	—35	1·99	—1·17	—37	0·87	—0·31	—26	0·04	—0·29	—88	2·08	+1·80	+643	1·51	+0·97	+180	15·33	—0·14	—1
0·54	—1·95	—78	0·55	—1·36	—71	0·04	—0·58	—94	0·29	+0·24	+480	0·35	+0·29	+483	0	—0·09	—100	2·01	—4·69	—70
6·74	+0·12	+2	6·03	—0·70	—10	1·04	—2·28	—69	2·88	+2·43	+540	0·30	+0·17	+131	0·22	+0·05	+29	18·64	—2·45	—12
16·23	+1·30	+9	11·24	+1·64	+17	7·24	+0·71	+11	3·00	+0·39	+15	0·25	—0·51	—67	0·34	+0·16	+89	46·99	+1·86	+4
14·49	+3·33	+30	7·44	—4·22	—36	1·75	—3·85	—69	3·34	+2·38	+248	0·05	—0·37	—88	1·74	+1·54	+770	33·39	—3·19	—9
14·99	+1·79	+14	7·88	—4·50	—36	5·63	—1·58	—22	3·81	+1·86	+95	0	—0·49	—100	1·17	+0·85	+266	43·16	—3·28	—7
6·11	—1·06	—15	5·60	—1·19	—18	10·57	+3·08	+41	3·53	+0·89	+34	0·05	—0·86	—95	0·29	0	0	35·41	+2·84	+9
6·91	—0·24	—3	5·68	+0·45	+9	1·26	—3·92	—76	9·65	+4·35	+82	1·14	—1·28	—53	0·54	+0·09	+20	35·79	—0·34	—1
7·04	—1·27	—15	7·35	+0·68	+10	4·02	—2·01	—33	10·00	+2·29	+30	4·98	—1·00	—17	2·53	+0·44	+21	50·25	—1·65	—3
12·07	+0·75	+7	9·18	—1·23	—12	5·39	—1·69	—24	4·91	+1·63	+50	0·92	—0·37	—29	0·69	+0·22	+47	47·63	—0·28	—1

TABLE A-8.—*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	0·7	—0·4	0·67	—0·20	—23	1·0	+0·1	1·15	+0·60	+109	2·0	+1·2	1·33	+0·77	+137
2. Lower Burma	0·1	—0·2	0·08	—0·04	—33	0·9	+0·6	0·35	+0·13	+59	0·4	—0·3	0·20	—0·34	—63
3. Upper Burma	0	—0·3	0·01	—0·10	—91	1·4	+0·8	0·47	+0·25	+114	0·3	—0·7	0·13	+0·29	—69
4. Assam	1·0	—0·6	0·31	—0·36	—54	1·8	—1·5	0·76	—0·76	—50	4·9	—1·5	2·74	—1·25	—31
5. Bengal	1·1	+0·3	0·43	+0·09	+26	0·4	—1·2	0·12	—0·84	—87	0·6	—1·9	0·39	—1·30	—77
6. Orissa	0·3	—0·5	0·18	—0·27	—60	0·4	—1·4	0·18	—1·00	—85	0·3	—1·6	0·11	—0·96	—90
7. Chota Nagpur	3·8	+1·9	2·08	+1·34	+181	1·2	—0·9	0·62	—0·53	—46	0·3	—1·6	0·09	—0·83	—90
8. Bihar	3·2	+2·3	1·70	+1·28	+305	1·7	+0·2	0·75	+0·06	+9	0	—1·1	0	—0·48	—100
9. United Provinces, East	2·0	+0·6	0·87	+0·24	+38	4·6	+3·3	3·29	+2·74	+498	0·1	—0·7	0·02	—0·30	—94
10. Do. do., West	3·0	+1·1	1·50	+0·57	+61	4·9	+3·3	3·82	+2·96	+344	0·4	—0·9	0·11	—0·48	—81
11. Punjab, East and North	2·2	0	0·96	—0·25	—21	2·2	+0·2	0·99	—0·02	— 2	1·1	—0·8	0·35	—0·55	—61
12. Do., South-West	1·7	+0·5	0·51	+0·01	+2	0·6	—0·7	0·16	—0·37	—70	1·0	—0·6	0·34	—0·30	—47
13. Kashmir	7·3	+2·2	3·93	+0·22	+ 6	6·7	+1·7	5·70	+2·16	+61	7·4	+1·0	4·31	—0·29	— 6
14. North-West Frontier Province	2·5	+0·1	0·72	—0·56	—44	4·5	+1·9	2·54	+1·35	+113	4·0	+0·3	2·13	+0·24	+13
15. Baluchistan	2·8	+0·2	1·04	—0·15	—13	1·9	—0·6	1·33	+0·13	+11	1·7	—1·2	0·82	—0·43	—34
16. Sind	0·2	—0·4	0·08	—0·15	—65	0·1	—0·6	0·04	—0·25	—86	0	—0·5	0·01	—0·22	—96
17. Rajputana, West	0·1	—0·4	0·02	—0·17	—89	0·1	—0·4	0·04	—0·19	—83	0·2	—0·3	0·05	—0·13	—72
18. Do., East.	0·4	—0·5	0·14	—0·23	—62	1·5	+0·8	0·80	+0·51	+176	0	—0·6	0·01	—0·21	—95
19. Gujarat	0	—0·2	0·01	—0·08	—89	0	—0·2	0·01	—0·09	—90	0	—0·2	0	—0·07	—100
20. Central India, West	0·1	—0·7	0·02	—0·37	—95	1·8	+1·1	1·11	+0·82	+283	0·1	—0·3	0·04	—0·12	—75
21. Do. do., East	1·5	+0·1	0·63	—0·04	—6	3·9	+2·4	2·58	+1·91	+285	0·4	—0·5	0·19	—0·20	—51
22. Berar	0	—0·7	0	—0·39	—100	1·7	+1·0	2·27	+1·91	+531	0·7	0	0·20	—0·13	—39
23. Central Provinces, West	0·8	—0·3	0·30	—0·35	—54	2·3	+1·0	2·06	+1·37	+199	1·4	+0·2	0·40	—0·16	—29
24. Do. do., East.	0·2	—0·7	0·07	—0·39	—85	1·6	—0·2	0·70	—0·41	—37	1·1	—0·2	0·34	—0·26	—43
25. Konkan	0	—0·2	0	—0·10	—100	0·5	+0·4	0·37	+0·32	+640	0·3	+0·2	0·17	+0·11	+183
26. Bombay Deccan	0	—0·3	0·01	—0·14	—93	1·1	+0·9	0·62	+0·54	+675	0·5	+0·2	0·24	+0·09	+60
27. Hyderabad, North	0	—0·3	0	—0·16	—100	1·4	+0·9	1·26	+1·01	+404	0·7	0	0·46	+0·09	+24
28. Do., South	0	—0·3	0·01	—0·17	—94	1·4	+0·9	0·81	+0·57	+237	1·3	+0·6	1·72	+1·30	+310
29. Mysore	0·1	—0·1	0·02	—0·10	—83	2·5	+2·3	1·75	+1·62	+1246	1·1	+0·5	0·80	+0·49	+158
30. Malabar	1·3	+0·1	0·56	—0·32	—36	3·4	+2·5	2·32	+1·77	+322	2·8	+0·4	1·93	+0·49	+34
31. Madras, South-East	1·7	+0·4	1·10	+0·12	+12	3·0	+2·3	2·26	+1·79	+381	1·0	+0·2	0·79	+0·28	+55
32. Do., Deccan	0	—0·3	0	—0·20	—100	1·5	+1·3	1·58	+1·44	+1029	0·6	+0·3	0·31	+0·10	+48
33. Do., Coast, North	0	—0·5	0·01	—0·37	—97	0·4	—0·2	0·28	—0·11	—28	0·4	—0·4	0·19	—0·31	—62

rainfall and number of rainy days with their departures from normal in 1928.

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.
7·0	+4·3	3·20	+1·56	+95	8·0	—2·0	10·37	+1·34	+15	15·5	+0·1	13·53	—0·10	—1	15·0	+ ·1	13·61	+2·10	+18
4·6	+2·7	3·68	+2·30	+167	12·1	—0·6	9·87	—2·37	—19	25·6	+3·2	36·82	+10·93	+42	23·9	—0·5	30·82	+0·94	+3
2·9	+0·4	1·42	+0·16	+13	8·8	+0·8	5·74	—0·19	—3	13·9	+3·0	11·68	+3·80	+48	13·4	+3·1	11·73	+4·63	+65
7·6	—4·4	5·04	—3·97	—44	16·4	+2·4	16·43	+4·42	+37	19·1	+1·3	16·26	—1·92	—11	17·3	—1·7	15·30	—3·11	—17
3·5	—1·0	2·50	—0·74	—23	10·4	+1·7	8·06	+0·43	+6	17·3	+3·0	17·36	+2·83	+19	17·8	+1·2	18·55	+3·52	+23
8·3	+0·8	3·41	+2·04	+149	4·7	—0·2	2·92	—0·37	—11	15·3	+3·9	11·71	+1·89	+19	16·9	+ ·7	17·82	+4·79	+37
1·7	+0·2	1·05	+0·39	+59	3·4	—0·3	1·63	—0·39	—19	12·8	+2·3	11·53	+2·79	+32	17·7	+2·5	15·74	+2·85	+22
1·8	+0·1	0·67	+0·67	+12	3·4	+0·2	2·07	—0·21	—9	10·4	+1·8	8·75	+0·95	+12	15·4	+2·0	14·08	+1·76	+14
0·8	+0·3	0·44	+0·25	+132	0·7	—0·6	0·37	—0·31	—46	6·3	+0·8	4·29	—0·51	—11	12·9	+0·3	10·80	—0·78	—7
0·9	+0·1	0·39	+0·09	+30	0·9	—0·6	0·40	—0·27	—40	4·1	—0·7	2·48	—1·56	—39	11·1	—0·4	12·04	+0·57	+5
1·4	+0·2	0·51	—0·04	—7	0·5	—0·9	0·16	—0·46	—74	2·9	0	1·27	—0·76	—37	5·8	—0·9	4·56	—1·70	—27
1·4	+0·1	0·55	+0·02	+4	0·3	—0·7	0·09	—0·33	—79	0·9	—0·5	0·45	—0·36	—44	3·0	—0·1	2·33	—0·16	—6
5·2	—0·4	3·69	+0·24	+7	1·5	—2·3	0·65	—1·28	—66	2·9	—1·4	1·37	—1·16	—46	7·6	—0·2	5·19	—2·07	—30
2·3	—0·9	0·98	—0·56	—36	0·9	—0·8	0·28	—0·49	—64	1·1	—0·5	0·52	—0·21	—29	3·0	—0·6	1·67	—0·91	—25
0·6	—1·1	0·26	—0·44	—63	0·2	—0·4	0·06	—0·22	—79	0·5	—0·1	0·17	—0·13	—43	1·1	—0·5	0·58	—0·37	—39
0·4	+0·1	0·08	—0·03	—27	0	—0·3	0	—0·15	—100	0·1	—0·6	0·03	—0·44	—94	1·3	—1·2	0·54	—1·95	—78
0·3	—0·1	0·09	—0·07	—44	0·3	—0·6	0·07	—0·36	—84	1·1	—0·9	0·50	—0·80	—62	4·5	0	3·70	+0·27	+8
0	—0·4	0	—0·16	—100	0·3	—1·0	0·09	—0·46	—84	1·9	—2·0	0·77	—1·94	—72	9·9	+0·3	8·37	+0·04	0
0	—0·1	0	—0·03	—100	0	—0·6	0	—0·33	—100	2·3	—3·2	1·94	—3·21	—62	15·8	+3·3	13·55	+0·91	+7
0	—0·3	0	—0·13	—100	0·2	—1·0	0·08	—0·40	—83	4·1	—1·8	2·19	—2·66	—55	13·9	+2·1	15·24	+4·61	+43
0·1	—0·4	0·03	—0·21	—87	0·3	—0·8	0·06	—0·37	—86	6·3	+0·6	4·64	—0·33	—7	14·1	+0·2	11·99	—0·98	—8
0	—0·7	0	—0·24	—100	0·2	—0·9	0·05	—0·49	—91	8·5	+0·5	7·07	+1·01	+17	12·5	+0·3	7·14	—2·03	—22
0·1	—0·6	0·02	—0·28	—93	0·2	—1·2	0·08	—0·50	—86	8·2	—0·4	6·27	—1·08	—15	17·0	+2·2	19·57	+6·23	+47
0·7	—0·9	0·24	—0·49	—67	1·2	—0·5	0·43	—0·36	—46	11·2	+1·3	8·34	—0·98	—11	16·5	+0·4	15·81	+0·53	+3
0·7	+0·1	0·34	—0·03	—8	0·4	—1·5	0·13	—1·44	—92	17·7	—0·6	24·67	—0·63	—2	26·8	+0·8	45·46	+6·38	+16
0·9	—0·4	0·49	—0·14	—22	0·7	—1·7	0·35	—1·00	—74	7·6	—0·3	5·28	—0·04	+1	11·5	+0·2	7·63	—0·25	—3
0·5	—0·7	0·11	—0·40	—78	0·6	—1·0	0·26	—0·47	—64	9·9	+2·0	6·74	+1·23	+22	10·8	—1·0	6·97	—1·03	—13
0·3	—1·4	0·13	—0·68	—84	0·7	—1·5	0·45	—0·57	—56	9·6	+2·7	6·68	+2·35	+54	11·1	+0·4	5·15	—1·09	—17
3·2	+0·5	1·72	+0·26	+18	4·6	—1·0	2·53	—1·05	—29	6·9	—0·3	3·79	—1·01	—21	8·8	—0·9	6·91	—0·24	—3
6·9	+1·3	4·71	+0·94	+25	6·0	—2·9	3·50	—3·78	—52	19·8	0·5	19·78	—3·92	—17	18·2	—1·7	14·69	—7·50	—34
3·1	+1·1	1·92	+0·63	+49	2·8	—1·0	1·66	—0·88	—35	2·0	—0·9	1·06	—0·50	—32	4·1	+0·3	2·63	+0·44	+20
1·4	+0·2	0·70	+0·08	+13	2·0	—1·0	0·96	—0·69	—42	5·5	+1·1	3·10	+0·72	+31	6·8	+0·5	3·90	+0·69	+21
2·6	+1·0	1·76	+0·82	+87	2·7	—0·5	1·71	—0·40	—19	6·4	—0·4	3·94	—0·99	—20	12·4	+2·4	8·08	+1·45	+22

TABLE A-8.—*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 Island	18·7	+3·2	14·39	+3·07	+27	15·3	+0·7	11·11	—0·30	—3	10·0	—0·2	10·62	+3·60	+51
2. Lower Burma	24·8	+0·8	26·97	—0·70	—3	17·4	—1·3	14·28	—3·30	—19	8·0	—2·4	5·53	—2·26	—29
3. Upper Burma	12·1	+0·4	9·22	+0·94	+11	8·3	—2·4	5·94	—1·94	—25	3·5	+1·1	6·72	+1·24	+23
4. Assam	17·0	—0·8	17·77	+1·23	+7	16·8	+3·0	14·97	+2·40	+19	14·2	+7·5	12·40	+6·71	+113
5. Bengal	16·6	+0·1	15·35	+1·22	+9	9·7	—2·5	7·49	—3·38	—31	10·4	+5·0	9·36	+4·28	+84
6. Orissa	15·1	—0·5	11·39	—1·64	—13	13·2	+1·4	8·09	—0·84	—9	12·0	+6·5	9·48	+4·78	+100
7. Chota Nagpur	11·5	—5·0	7·73	—6·06	—44	6·8	—3·4	4·74	—3·35	—41	7·9	+4·1	6·16	+3·25	+112
8. Bihar	10·8	—2·6	10·5	—2·02	—16	4·2	—4·8	3·08	—5·74	—65	5·7	+3·0	6·37	+4·02	+171
9. Unietd Provinces, East.	6·3	—6·5	4·16	—7·19	—63	3·4	—4·0	·44	—4·45	—65	4·4	+2·7	2·98	+1·10	+59
10. Do. do., West	6·0	—5·4	4·35	—6·72	—61	1·8	—4·2	1·37	—4·58	—77	1·7	+0·8	1·41	+0·53	+60
11. Punjab, East and North	5·6	—1·1	4·60	—1·79	—28	1·4	—1·9	2·52	—0·83	—25	0·4	—0·2	0·18	—0·20	—53
12. Do., South-West	2·3	—0·8	1·82	—0·74	—29	0·5	—0·9	1·73	+0·61	+54	0·1	—0·1	0·08	—0·02	—20
13. Kashmir	9·3	+0·7	7·20	—0·66	—8	2·5	—1·5	4·67	+1·07	+30	0·2	—1·5	0·03	—1·03	—97
14. North-West Frontier Province	3·5	—0·5	1·99	—1·17	—37	1·1	—0·8	0·87	—0·31	—26	0·2	—0·5	0·04	—0·29	—88
15. Baluchistan	1·1	—0·5	0·47	—0·48	—51	0	—0·4	0·01	—0·23	—96	0	—0·3	0	—0·15	—100
16. Sind	1·1	—1·2	0·55	—1·36	—71	0·1	—0·7	0·04	—0·58	—94	0·9	+0·9	0·29	+0·24	+480
17. Rajputana, West	5·3	+0·3	5·90	+1·86	+46	1·0	—1·4	0·62	—1·40	—69	0·8	+0·4	0·66	+0·35	+113
18. Do., East.	7·1	—2·6	6·11	—2·07	—25	2·0	—2·9	1·25	—2·73	—69	3·6	+2·9	4·02	+3·40	+556
19. Gujarat	11·0	+0·2	8·19	+0·05	+1	6·6	+0·9	6·30	+1·65	+35	1·4	+0·2	0·72	—0·21	—23
20. Central India, West	9·1	—2·8	7·87	—3·31	—30	2·3	—3·6	1·77	—3·52	—65	3·6	+2·5	3·23	+2·41	+294
21. Do. do., East	7·7	—6·5	5·97	—7·30	—55	2·5	—5·2	1·69	—4·96	—75	5·5	+3·9	3·69	+2·26	+158
22. Berar	7·9	—2·4	5·37	—1·61	—23	8·6	+0·8	6·51	+0·67	+11	4·5	+2·2	4·58	+3·00	+190
23. Central Provinces, West	10·4	—4·1	8·02	—4·79	—37	5·6	—3·7	3·46	—4·20	—55	5·1	+2·7	3·33	+1·56	+86
24. Do. do., East	12·2	—3·6	9·17	—5·90	—39	9·3	—0·5	6·76	—0·87	—11	5·4	+2·5	3·73	+1·46	+56
25. Konkan	28·2	+3·9	32·53	+9·55	+40	14·1	—1·1	9·09	—3·43	—27	7·8	+2·2	6·09	+1·77	+41
26. Bombay Deccan	9·9	+0·4	5·22	—0·14	—3	8·1	—0·1	7·18	+1·56	+28	5·4	+0·8	3·33	+0·26	+9
27. Hyderabad, North	10·4	—0·4	6·68	—0·55	—8	12·0	+2·1	11·45	+3·35	+41	4·3	+1·0	3·09	+0·79	+34
28. Do., South	10·1	—0·1	4·40	—1·91	—30	11·4	+1·6	9·59	+2·77	+41	5·7	+1·4	4·01	+0·99	+33
29. Mysore	11·7	+3·0	5·68	+0·45	+9	3·0	—5·1	1·26	—3·92	—76	13·3	+5·2	9·65	+4·85	+82
30. Malabar	18·8	+2·9	17·42	+4·94	+40	5·8	—5·6	2·67	—5·16	—66	14·7	+1·4	11·75	+0·70	+6
31. Madras, South-East	5·5	+0·1	3·13	—0·49	—14	3·6	—2·	2·41	—2·09	—46	10·7	+1·9	8·33	+1·23	+18
32. Do., Deccan	7·7	+1·1	3·59	—0·32	—8	6·8	—1·1	4·03	—1·72	—30	8·2	+2·6	5·27	+1·10	+26
33. Do., Coast, North	9·1	—1·1	5·76	—1·36	—19	11·4	+2·0	8·29	+1·32	+19	11·9	+4·3	12·93	+6·21	+92

rainfall and number of rainy days with their departures from normal in 1928—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.
3·3	—3·8	1·76	—4·04	—70	1·0	—2·4	0·21	—3·16	—94	97·3	—0·3	80·58	+3·14	+4
2·1	—1·4	1·46	—1·22	—46	0	—0·8	0	—0·53	—100	119·9	—0·2	130·06	+3·54	+3
1·8	—1·6	0·50	—1·34	—73	0	—0·8	0	—0·46	—100	70·9	+3·8	53·56	+6·70	+14
1·9	+0·4	0·78	—0·14	—15	0·2	—0·6	0·06	—0·29	—83	118·2	+3·5	102·82	+2·96	+3
0·4	—0·6	0·16	—0·64	—80	0	—0·3	0·01	—0·16	—94	88·2	+3·8	79·78	+5·31	+7
0·2	—1·2	0·10	—1·40	—93	0	—0·4	0·01	—0·21	—95	81·7	+8·5	65·40	+6·76	+12
·	—0·6	0·01	—0·36	—97	0·4	+0·1	0·22	+0·08	+57	67·0	—0·7	51·60	—0·82	—2
0	—0·4	0·01	—0·27	—96	0·8	+0·6	0·28	+0·19	+211	56·9	+1·3	48·26	—0·39	—1
0	—0·3	0·01	—0·18	—95	1·8	+1·4	0·70	+0·48	+218	43·3	—2·7	30·37	—8·91	—23
1·1	+0·8	0·42	+0·27	+180	2·1	+1·4	0·76	+0·41	+117	38·0	—4·7	29·05	—8·21	—22
2·5	+2·2	1·26	+1·13	+869	2·3	+1·4	1·12	+0·68	+155	28 3	—1·8	18·47	—4·79	—21
2·2	+2·0	1·05	+0·97	+1213	0·9	+0·4	0·32	+0·11	+52	14·9	—1·4	9·43	—0·56	—6
4·4	+3·4	3·35	+2·87	+598	5·2	+2·1	3·80	+1·83	+93	60·2	+3·8	43·89	+1·91	+5
3·4	+2·9	2·08	+1·80	+643	·2	+2·1	1·51	+0·97	+180	29·7	+2·7	15·33	—0·14	—1
1·5	+0·9	0·63	+0·37	+142	1·4	—0·1	0·60	—0·02	—3	12·8	—4·1	5·97	—2·12	—26
0·8	+0·7	0·35	+0·29	+483	0	—0·3	0	—0·09	—100	5·0	—4·1	2·01	—4·69	—70
0·5	+0·4	0·15	+0·07	+87	0·1	—0·1	0·08	—0·08	—72	14·3	—3·1	11·83	—0·65	—5
0·9	+0·6	0·37	+0·21	+131	0·8	+0·3	0·33	+0·12	+57	28 4	—5·1	22·25	—3·44	—13
1·3	+1·0	0·60	+0·40	+200	0·1	0	0·04	0	0	38·5	+1·1	31·36	—1·01	—3
0·2	—0·5	0·05	—0·40	—89	2·4	+2·0	1·85	+1·68	+988	38·3	—3·3	32·45	—2·39	—7
0·1	—0·5	0·04	—0·29	—88	2·3	+1·7	1·35	+1·08	+400	44·7	—5·1	32·86	—9·43	—22
0	—1·0	0	—0·57	—100	2·1	+1·4	1·26	+0·87	+223	46·7	+0·5	34·45	+1·00	+3
0·1	—0·7	0·01	—0·55	—98	2·9	+2·3	2·51	+2·19	+684	54·1	—2·6	46·06	—0·57	—1
0	—0·7	0	—0·40	—100	0·3	—0·3	0·11	—0·18	—62	59·7	—3·4	45·70	—8·23	—15
0·3	—1·2	0·14	—0·87	—86	0·1	—0·2	0·07	—0·07	—50	96·9	+2·8	120·05	+11·56	+11
0·2	—1·4	0·08	—0·93	—92	1·0	+05	0·63	+0·35	+125	46·9	—1·2	31·13	+0·26	+1
0	—1·3	0	—0·77	—100	0·6	0	0·21	—0·15	—42	51·2	+1·3	37·23	+2·94	+9
0·1	—1·8	0·10	—0·96	—91	1·3	+0·9	0·37	+0·15	+68	53·0	+3·6	33·42	+2·75	+9
2·0	—1·8	1·14	—1·28	—53	1·2	+0·4	0·54	+0·09	+20	58·1	+2·7	35·79	—0·34	—1
10·2	+1·0	6·44	—0·70	—10	3·6	+1·0	2·28	+0·50	+28	111·5	—0·1	88·08	—12·04	—12
8·6	+0·2	7·82	+0·34	+5	5·6	+1·4	4·43	+1·05	+31	51·7	+3·5	37·60	+1·97	+6
0·4	—2·9	0·25	—1·91	—88	1·0	+0·3	0·39	—0·02	—5	42·0	+2·1	24·08	—0·72	—3
0·5	—3·2	0·41	—3·28	—89	0·5	—0·4	0·35	—0·50	—59	58·3	+3·5	43·73	+2·51	+6

Table A-9.—*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 1928.*

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	0·45	+0·12	+36	10·26	—0·36	—3	70·88	+7·63	+12	7·11	—2·14	—23	88·70	+5·25	+6
Assam	1·07	—1·12	—51	24·21	—0·80	—3	64·30	—1·40	—2	13·24	+6·28	+90	102·82	+2·96	+3
Bengal	0·55	—0·75	—58	10·95	—1·61	—13	58·75	+4·19	+8	9·53	+3·48	+58	79·78	+5·31	+7
Bihar and Orissa	1·99	+0·56	+39	3·68	—0·33	—8	40·34	—2·42	—6	7·36	+3·52	+92	53·37	+1·33	+3
United Provinces	4·77	+3·26	+216	0·87	—0·52	—37	20·91	—12·59	—38	3·11	+1·31	+73	29·66	—8·54	—22
Punjab	1·63	—0·29	—15	1·01	—0·93	—48	11·27	—3·99	—26	2·28	+1·47	+181	16·19	—3·74	—19
North-West Frontier Province	3·26	+0·79	+32	3·39	—0·81	—19	5·05	—2·60	—34	3·63	+2·48	+216	15·33	—0·14	—1
Sind	0·12	—0·40	—77	0·01	—0·40	—82	1·16	—4·33	—79	0·64	+0·44	+220	2·01	—4·69	—70
Rajputana	0·61	+0·04	+7	0·15	—0·73	—83	14·48	—4·41	—23	3·40	+2·65	+353	18·64	—2·45	—12
Bombay	0·89	+0·19	+95	0·66	—0·90	—58	42·35	+2·53	+6	3·59	+0·04	+1	46·99	+1·86	+4
Central India	1·66	+0·81	+95	0·17	—0·68	—80	26·43	—6·87	—21	5·13	+3·55	+225	33·39	—3·19	—9
Central Provinces	1·64	+0·33	+25	0·67	—1·00	—60	35·87	—4·83	—12	4·98	+2·22	+80	43·16	—3·28	—7
Hyderabad	1·03	+0·61	+145	1·52	—0·39	—20	28·99	+2·59	+10	8·87	+0·03	+1	35·41	+2·84	+9
Mysore	1·77	+1·52	+608	5·05	—0·30	—6	17·64	—4·72	—21	11·33	+3·16	+39	35·79	—0·34	—1
Madras	2·64	+1·16	+98	5·40	—0·59	—10	25·00	—3·95	—14	17·51	+1·73	+11	50·25	—1·65	—3
Mean of India	1·45	+0·44	+44	4·38	—0·69	—14	35·28	—1·51	—4	6·52	+1·48	+29	47·63	—0·28	—1

TABLE A-10.—*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 1928.*

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	·82	+0·40	+28	14·90	+3·67	+33	52·64	+4·77	+10	12·59	—3·60	—22	80·58	+3·14	+4
2. Lower Burma	0·43	+0·09	+26	13·75	—0·41	—3	108·89	+7·87	+8	6·99	—4·01	—36	130·06	+3·54	+3
3. Upper Burma	0·48	+0·15	+45	7·29	—0·32	—4	38·57	+7·43	+24	7·22	—0·56	—7	53·56	+6·70	+14
4. Assam	1·07	—1·12	—51	24·21	—0·80	—3	64·30	—1·40	—2	13·24	+6·28	+90	102·82	+2·96	+3
5. Bengal	0·55	—0·75	—58	10·95	—1·61	—13	58·75	+4·19	+8	9·53	+3·48	+58	79·78	+5·31	+7
6. Orissa	0·36	—1·27	—78	6·44	+0·71	+12	49·01	+4·20	+9	9·59	+3·12	+48	65·40	+6·76	+12
7. Chota Nagpur	2·70	+0·81	+43	2·77	—0·83	—23	39·74	—3·77	—9	6·39	+2·97	+87	51·60	—0·82	—2
8. Bihar	2·45	+1·34	+121	2·74	—0·62	—18	36·41	—5·05	—12	6·66	+3·94	+145	48·26	—0·39	—1
9. United Provinces, East	4·16	+2·98	+253	0·83	—0·36	—30	21·69	—12·93	—37	3·69	+1·40	+61	30·37	—8·91	—23
10. Do. do., West	5·32	+3·53	+197	0·90	—0·66	—42	20·24	—12·29	—38	2·59	+1·21	+88	29·05	—8·21	—22
11. Punjab, East and North	1·95	—0·27	—12	1·02	—1·05	—51	12·95	—5·08	—28	2·56	+1·61	+169	18·47	—4·79	—21
12. Do., South-West	0·67	—0·36	—35	0·98	—0·61	—38	6·33	—0·65	—9	1·45	+1·06	+272	9·43	—0·56	—6
13. Kashmir	9·63	+2·38	+33	8·65	—1·33	—13	18·43	—2·82	—13	7·18	+3·68	+105	43·89	+1·91	+5
14. North-West Frontier Province	3·26	+0·79	+32	3·39	—0·81	—19	5·05	—2·60	—34	3·63	+2·48	+216	15·33	—0·14	—1
15. Baluchistan	2·37	—0·02	—1	1·14	—1·09	—49	1·23	—1·21	—50	1·23	+0·20	+19	5·97	—2·12	—26
16. Sind	0·12	—0·40	—77	0·09	—0·40	—82	1·16	—4·33	—79	0·64	+0·44	+220	2·01	—4·69	—70
17. Rajputana, West	0·06	—0·36	—86	0·21	—0·56	—73	10·72	—0·07	—1	0·84	+0·34	+68	11·83	—0·65	—5
18. Do., East	0·94	+0·28	+42	0·10	—0·83	—89	16·50	—6·70	—29	4·72	+3·82	+424	22·25	—3·44	—13
19. Gujarat	0·02	—0·17	—89	0	—0·43	—100	29·98	—0·60	—2	1·36	+0·19	+16	31·36	—1·01	—3
20. Central India, West	0·13	—0·55	—81	0·12	—0·65	—84	27·07	—4·88	—15	5·13	+3·69	+256	32·45	—2·39	—7
21. Do. do., East	3·21	+1·87	+140	0·28	—0·78	—74	24·29	—13·57	—36	5·08	+3·05	+150	32·86	—9·43	—22
22. Berar	2·27	+0·52	+30	0·25	—0·86	—77	26·09	—1·96	—7	5·84	+3·30	+130	34·45	+1·0	+3
23. Central Provinces, West	2·36	+1·02	+76	0·50	—0·94	—65	37·32	—3·84	—9	5·88	+3·19	+119	46·06	—0·57	—1
24. Do. do., East	0·77	—0·80	—51	1·01	—1·11	—52	40·08	—7·22	—15	3·84	+0·90	+31	45·70	—8·23	—15
25. Konkan	0·37	+0·22	+147	0·64	—1·36	—68	112·75	+11·87	+12	6·29	+0·83	+15	120·05	+11·56	+11
26. Bombay Deccan	0·63	+0·40	+174	1·08	—1·05	—49	25·41	+1·21	+5	4·01	—0·30	—7	31·13	+0·26	+1
27. Hyderabad, North	1·26	+0·85	+207	0·83	—0·78	—48	31·84	+3·00	+10	3·30	—0·13	—4	37·23	+2·94	+9
28. Do., South	0·82	+0·40	+95	2·30	+0·05	+2	25·82	+2·12	+9	4·48	+0·18	+4	33·42	+2·75	+9
29. Mysore	1·77	+1·52	+608	5·05	—0·30	—6	17·64	—4·72	—21	11·33	+3·16	+39	35·79	—0·34	—1
30. Malabar	2·88	+1·45	+101	10·14	—2·35	—19	54·56	—11·64	—18	20·50	+0·50	+3	88·08	—12·04	—12
31. Madras, South-east	3·36	+1·91	+132	4·37	+0·03	+1	9·23	—2·64	—22	20·64	+2·67	+15	37·60	+1·97	+6
32. Do., Deccan	1·58	+1·24	+365	1·97	—0·51	—21	14·62	—0·62	—4	5·91	—0·83	—12	24·08	—0·72	—3
33. Do. Coast, North	0·29	—0·48	—62	3·66	+0·11	+3	26·07	+0·45	+2	13·71	+2·43	+22	43·73	+2·51	+6

TABLE A-11.—*Average over the 33 sub-divisions of actual number of rainy days with their departures from normal for the four seasons of the year and for the whole year 1928.*

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	1·7	—0·3	17·0	+3·5	64·5	+4·1	14·3	—6·4	97·3	—0·3
2. Lower Burma	1·0	+0·4	17·1	+1·8	91·7	+2·2	10·1	—4·6	119·9	—0·2
3. Upper Burma	1·4	+0·5	12·0	+0·5	47·7	+4·1	9·8	—1·3	70·9	+3·8
4. Assam	2·8	—2·1	28·9	—3·5	70·2	+1·8	16·3	+7·3	118·2	+3·5
5. Bengal	1·5	—0·9	14·5	—1·2	61·4	+1·8	10·8	+4·1	88·2	+3·8
6. Orissa	0·7	—1·9	8·3	—1·0	60·5	+6·5	12·2	+4·9	81·7	+8·5
7. Chota Nagpur	4·5	+1·0	5·4	—1·7	48·8	—3·6	8·3	+3·6	67·0	—0·7
8. Bihar	4·9	+2·5	4·7	—0·8	40·8	—3·6	6·5	+3·2	56·9	+1·3
9. United Provinces, East	6·6	+3·9	1·6	—1·0	28·9	—9·4	6·2	+3·8	43·3	—2·7
10. Do. do., West	7·9	+4·4	2·2	—1·4	23·0	—10·7	4·9	+3·0	38·0	—4·7
11. Punjab, East and North	4·4	+0·2	3·0	—1·5	15·7	—3·9	5·2	+3·4	28·3	—1·8
12. Do., South-West	2·3	—0·2	2·7	—1·2	6·7	—2·3	3·2	+2·3	14·9	—1·4
13. Kashmir	14·0	+3·9	14·1	—1·7	22·3	—2·4	9·8	+4·0	60·2	+3·8
14. North-west Frontier Province	7·0	+2.0	7·2	—1·4	8·7	—2·4	6·8	+4·5	29·7	+2·7
15. Baluchistan	4·7	—0·4	2·5	—2·7	2·7	—1·5	2·9	+0·5	12·8	—4·1
16. Sind	0·3	—1·0	0·4	—0·7	2·6	—3·7	1·7	+1·3	5·0	—4·1
17. Rajputana, West	0·2	—0·8	0·8	—1·0	11·9	—2·0	1·4	+0·7	14·3	—3·1
18. Do., East	1·9	+0·3	0·3	—2·0	20·9	—7·2	5·3	+3·8	28·4	—5·1
19. Gujarat	0	—0·4	0	—0·9	35·7	+1·2	2·8	+1·2	38·5	+1·1
20. Central India, West	1·9	+0·4	0·3	—1·6	29·9	—6·1	6·2	+4·0	38·3	—3·3
21. Do. do., East	5·4	+2·5	0·8	—1·7	30·6	—10·9	7·9	+5·0	44·7	—5·1
22. Berar	1·7	+0·3	0·9	—1·6	37·5	—0·8	6·6	+2·6	46·7	+0·5
23. Central Provinces, West	3·1	+0·7	1·7	—1·6	41·2	—6·0	8·1	+4·3	54·1	—2·6
24. Do. do., East	1·8	—0·9	3·0	—1·6	49·2	—2·4	5·7	+1·5	59·7	—3·4
25. Konkan	0·5	+0·2	1·4	—1·2	86·8	+3·0	8·2	+0·8	96·9	+2·8
26. Bombay Deccan	1·1	+0·6	2·1	—1·9	37·1	+0·2	6·6	—0·1	46·9	—1·2
27. Hyderabad, North	1·4	+0·6	1·8	—1·7	43·1	+2·7	4·9	—0·3	51·2	+1·3
28. Do., South	1·4	+0·6	2·3	—2·3	42·2	+4·8	7·1	+0·5	53·0	+3·6
29. Mysore	2·6	+2·2	8·9	0	30·4	—3·3	16·2	+3·8	58·1	+2·7
30. Malabar	4·7	+2·6	15·7	—1·2	62·6	—4·9	28·5	+3·4	111·5	—0·1
31. Madras, South East	4·7	+2·7	6·9	+0·3	15·2	—3·0	24·9	+3·5	51·7	+3·5
32. Do., Deccan	1·5	+1·0	4·0	—0·5	26·8	+1·6	9·7	0	42·0	+2·1
33. Do. Coast, North	0·4	—0·7	5·7	+0·1	39·3	+2·9	12·9	+1·2	58·3	+3·5

TABLE A-12.—*Showing rainfalls of 10" and over, with amounts in the preceding and following 24 hours, during the year 1928.*

BURMA.

District.	Station.	Date.	Amount.		
			Preceding day.	On date in column 3	Succeeding day.
1	2	3	4	5	6
Akyab . . .	Maungdaw . .	9th June	1·00	10·50	1·00
Do. . . .	Buthidaung . .	14th June	3·25	11·52	7·50

ASSAM.

District.	Station.	Date.	Amount.		
			Preceding day.	On date in column 3.	Succeeding day.
1	2	3	4	5	6
Khasi and Jaintia Hills	Cherrapunji Welsh Mission House.	23rd June	2·48	10·23	7·90
Goalpara . . .	Marnai . . .	9th July	0·47	10·03	0·52
Khasi and Jaintia Hills	Cherrapunji Police Station.	12th July	7·06	12·52	8·30
Ditto . . .	Cherrapunji Welsh Mission House.	13th July	8·14	14·57	9·88
Ditto . . .	Cherrapunji Police Station.	7th Aug.	3·10	10·40	1·30
Ditto . .	Cherrapunji Welsh Mission House.	7th Aug.	3·21	10·76	0·36
Lakhimpur . .	Pathalipam . .	17th Sept.	1·16	11·00	0·82
Khasi and Jaintia Hills	Cherrapunji Police Station.	8th Sept.	6·83	10·15	5·18
Ditto . . .	Cherrapunji Welsh Mission House.	8th Sept.	8·09	11·50	5·69
Sylhet . . .	Sylhet . . .	10th Oct.	2·09	10·53	5·22
Ditto . . .	Lallakhal . .	10th Oct.	1·40	10·04	5·44
Khasi and Jaintia Hills	Jowai . . .	10th Oct.	1·52	10·80	2·50

BENGAL.

District.	Station.	Date.	Amount.		
			Preceding day.	On date in column 3.	Succeeding day.
1	2	3	4	5	6
Dinajpur . . .	Nawabganj . .	9th April	0·20	10·70	0
Noakhali . . .	Lakhimpur . .	17th June	0·68	11·20	1·00
24-Parganas . .	Saugor Island observatory.	1st July	1·10	10·38	3·60
Howrah . .	Amta . . .	2nd Aug.	0	10·55	0·15
Jalpaiguri . .	Buxa . . .	4th Aug.	3·05	11·08	3·52
Cooch Behar .	Cooch Behar Observatory.	12th Aug.	2·34	10·08	1·21

BIHAR AND ORISSA.

District.	Station.	Date.	Amount.		
			Preceding day.	On date in column 3.	Succeeding day
1	2	3	4	5	6
Champaran . .	Bagaha . .	7th July	1·90	12·60	1·40
Cuttack . . .	Hukitala . .	25th July	0·35	14·55	3·20
Feudatory States of Orissa and Chota Nagpur.	Binka . . .	26th July	1·74	11·12	0·56
Muzaffarpur . .	Meachapra . .	5th Aug.	7·20	13·90	0·89
Darbhanga . .	Samastipur . .	5th Aug.	3·54	11·14	0·25
Ditto . . .	Khajaull . .	1st Aug.	2·75	12·75	0·12
Puri	Puri . . .	3rd Oct.	0	12·45	0·03

UNITED PROVINCES.

District.	Station.	Date.	Amount.		
			Preceding day.	On date in column 3.	Succeeding day.
1	2	3	4	5	6
Bijnor . . .	Nagina . . .	10th July	2·75	19·25	1·88
Ditto . . .	Dhampur . .	10th July	4·02	11·63	1·45

PUNJAB.

District.	Station.	Date.	Amount.		
			Preceding day.	On date in column 3.	Succeeding day.
1	2	3	4	5	6
Montgomery . .	Dipalpur . .	1st Sept.	2·91	10·53	0

KASHMIR.

District.	Station.	Date.	Amount.		
			Preceding day.	On date in column 3.	Succeeding day
1	2	3	4	5	6
Jammu . . .	Punch . . .	31st Aug.	0	10·45	2·75

TABLE A-12.—*Showing rainfalls of 10" and over, with amounts in the preceding and following 24 hours, during the year 1928*—concld.

CENTRAL PROVINCES AND BERAR.

District.	Station.	Date.	Amount. Preceding day.	Amount. On date in column 3.	Amount. Succeeding day.
1	2	3	4	5	6
Balaghat	Dongarbari	3rd July	0·72	10·00	1·10
Chhindwara	Tamia	4th July	3·50	11·40	0·18
Buldana	Dhamangaon	1st Oct.	*Nil*	10·40	0·60

BOMBAY.

District.	Station.	Date.	Amount. Preceding day.	Amount. On date in column 3.	Amount. Succeeding day.
1	2	3	4	5	6
North Canara	Karwar	6th June	2·34	13·03	4·49
Ditto	Ankola	6th June	3·83	10·44	4·30
Kathiawar	Porbandar	20th July	0·08	15·74	6·24
Kolaba	Matheran	21st July	7·70	13·75	4·35
Ditto	Pen	28th Aug.	4·60	14·09	5·57
Thana	Thana	28th Aug.	2·50	12·98	6·09
Satara	Malcolmpeth	29th Aug.	10·32	10·49	7·35

BOMBAY—*contd.*

District.	Station.	Date.	Amount. Preceding day.	Amount. On date in column 3.	Amount. Succeeding day.
1	2	3	4	5	6
Satara	Malcolmpeth	28th Aug.	4·77	10·32	10·49
Ahmadabad	Dhandhuka	30th Aug.	1·05	11·81	0·22
Thana	Vada	19th Sept.	0·53	10·41	1·21

MADRAS.

District.	Station.	Date.	Amount. Preceding day.	Amount. On date in column 3.	Amount. Succeeding day.
1	2	3	4	5	6
Vizagapatam (Littoral)	Vizianagram	22nd Oct.	3·49	11·11	0·81
Ditto	Chodavaram	Do.	1·16	10·05	2·75
Ditto	Narasapatam	Do.	2·44	12·76	1·48
Ditto	Anakapalli	Do.	1·68	(a)11·11	8·85
Ditto	Waltair	Do.	3·37	10·27	2·41
Ditto	Yellamanchili	Do.	2·12	(a)14·00	2·20
Ditto	Polavaram	Do.	3·25	12·05	1·51
Vizagapattam Agency	Gudem (Talabada)	Do.	2·08	11·30	1·80
East Godavari plains	Tuni	Do.	3·12	10·33	0·89

(a) *Instrument submerged after recording so far.*

MGIPC—M—VIII-3-19—3-3 30 -290.