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GOVERNMENT OF INDIA

METEOROLOGICAL DEPARTMENT

INDIA WEATHER REVIEW

ANNUAL SUMMARY FOR 1930

PART C

STORMS AND DEPRESSIONS

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C. W. B. NORMAND, M.A., D.Sc.,

Director General of Observatories

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ANNUAL SUMMARY, 1930.

PART C.

STORMS AND DEPRESSIONS.

DEPRESSIONS AND CYCLONIC STORMS.

During the year, eight storms and six depressions formed in the Bay of Bengal and two storms and one depression in the Arabian Sea. The dates on which the storms occurred and the greatest barometric depths observed are summarised in the table below. The detailed descriptions of these storms and depressions are, as usual, followed by a list of western disturbances of the year, of the more important local storms and of the localities in which winds of force 9 or more were experienced by ships in the Indian seas.

TABLE.

Serial No.	Locality.	Month.	Date.	Greatest observed barometric depth.
1	Bay of Bengal .	May .	2—7	0·86″
2	Ditto .	May .	10—12	..
5	Arabian Sea .	June .	27—30	..
6	Bay of Bengal .	June .	28—1st July	0·40″
8	Ditto .	July .	11—19	0·30″
12	Ditto .	October .	21—24	More than 0·30″
13	Arabian Sea .	October .	25—30	0·40″
14	Bay of Bengal .	November	7—10	1·00″
15	Ditto .	November	15—18	0·50″
16	Ditto .	November	27—29	0·40″

1. *Storm of the 2nd to 7th May 1930.*—Widespread rain associated with thunder fell in the south of Ceylon from the 28th April onwards, the falls being heavy at Colombo on that and the succeeding day. By the morning of the 2nd May, weather became thundery over most of the Bay. On the morning of the 3rd, winds were southerly at Sabang.

The land observations of 8 hours of the next day taken with those of ships show that an area of low pressure was appearing out at sea off the east coast of Ceylon. On the morning of the 5th, this became a well-marked depression with centre probably about 150 miles east of Hambantota on a well-marked line of discontinuity of winds, which ran southeastwards from below Negapatam. The upper winds at Madras were nearly southerly and light upto 1 Km., but strong and eastsoutheasterly at 2 Km. level, while a gale blew from eastnortheast at 3 and 4 Km. levels. The further development and progress of the storm are indicated by the logs of steamers given below :—

S. S. "Heresfield", 5th and 6th May 1930.

Date.	Hour.	Position. Lat.	Position. Long.	Bar.	Wind. Direction.	Wind. Force.	Sea.	Swell.	Remarks.
				″					
5th May 1930 . .	4	..	..	29·87	WNW	2	Slight .	Moderate .	Overcast.
	8	..	..	29·90	NW	4	Slight .	Slight .	Hvercast, Continuous light rain.
	Noon	N 6°27′	E 81°50′	29·80	NW/W	6	Rough .	Moderate .	Overcast, Strong rain, Squalls.
					WNW	..	..	..	
					NNW	..	..	..	Noon to 3 P.M. Moderate Gale, heavy sea and swell, rain squalls.

Date.	Hour.	Position.		Bar.	Wind.		Sea.	Swell.	Remarks.
		Lat.	Long.		Direction.	Force.			
				"					
5th May 1930—*contd.*	16	..	..	29·74	NNE	6	Rough .	Rough .	Overcast. Generally cloudy.
	20	..	..	29·77	E	7	Rough .	Heavy .	Overcast, Frequent heavy rain squalls.
	Midnight	..	..	29·76	E/S	6	Rough .	Heavy .	Overcast.
6th May 1930 . .	2	..	..	29·72	ENE	..	..	..	
	4	..	..	29·74	E/S	4—5	Rough .	Heavy .	Overcast, Occasional rain.
	6	..	..	29·77	E/S	..	..	..	
	8	..	..	29·80	E/S	5	Moderate .	Heavy .	Overcast, Frequent heavy rain squalls.
	10	..	..	29·79	E/S	..	..	..	
	Noon	N 9° 15′	E 82° 25′	29·75	E	7	Rough .	Heavy .	Overcast, Frequent heavy rain.
	14	..	..	29·67	ESE	..	..	..	Strong squally windthrowing up to strong gale force.
	16	..	..	29·64	E/S	6	High .	Heavy .	Overcast, Generally cloudy, Squally.
	18	..	..	29·70	ESE	..	..	..	
	20	..	..	29·76	ESE	8—9 (Strong Gale)	Confused High.	Confused Heavy.	Overcast, occasional rain squalls.
	22	..	..	29·80	ESE	..	..	..	
	Midnight	..	..	29·77	E/S	6—7	Moderate .	Confused Heavy.	Generally cloudy, Occasional light rain.

S. S. "Waroonga," 5th and 6th May 1930.

Date.	Hour.	Position.		Bar.	Wind.		Sea.	Swell.	Remarks.
		Lat.	Long.		Direction.	Force.			
				"					
5th May 1930 . .	2	..	..	29·64	ESE	5	..	..	
	4	..	..	29·60	ESE	5	Moderate .	Moderate .	Overcast, Generally cloudy, Rain.
	6	..	..	29·62	ESE	..	..	..	
	8	..	..	29·65	E	5	Heavy .	Heavy .	Overcast, Light showers.
	10	..	..	29·65	..	..	..	..	
	Noon	N. 7° 35′	E. 83° 46′	29·60	E	5	Moderate .	Moderate .	Generally cloudy.
	14	..	..	29·58	E	6	..	..	
	16	..	..	29·52	ESE	6	Rough .	Heavy .	Generally cloudy, Rain squalls.

Date.	Hour.	Position.		Bar.	Wind.		Sea.	Swell.	Remarks.
		Lat.	Long.		Direction.	Force.			
				"					
5th May 1930—*contd.*	18	..	..	29·53	E	6	..	..	
	20	..	..	29·51	E	6	Heavy .	Heavy .	Overcast, Squally, Rain.
	22	..	..	29·45	..	..	..	..	
	23	..	..	29·35	..	..	..	..	
	Midnight	..	..	29·15	Variable	8	Mountainous sea.	Heavy .	Heavy squalls.
6th May 1930 . .	1	..	..	29·03	..	..	..	..	
	3	..	..	29·20	..	..	..	..	
	4	..	..	29·12	SE	8	Rough .	High .	Overcast, Generally cloudy.
	5	..	..	29·38	E	..	..	..	
	6	..	..	29·42	NE	..	..	..	
	7	..	..	29·46	NW	..	..	..	
	8	..	..	29·52	W	8	High .	Heavy .	Generally cloudy Howling Gale, Continuous rain.
	9	..	..	29·55	W	..	..	..	
	10	..	..	29·55	W	..	..	..	
	11	..	..	29.55	W	..	..	..	
	Noon	5° 45′N	81° 47′E	29·56	W	6—7	Heavy .	Heavy .	Blue sky, Weather moderating at 10·30 a.m.
	13	..	..	29·57	W	6	..	..	
	14	..	..	29·53	W	6	..	..	
	15	..	..	29·51	W	6	..	..	
	16	..	..	29·49	W	6—7	Rough .	Heavy .	Overcast, Heavy rain squalls. Gale force during heavy rain squalls.
	17	..	..	29·50	W	6—7	..	..	
	18	..	..	29·52	W	6—7	..	..	
	19	..	..	29·56	W	6—7	..	..	
	20	..	..	29·55	W	6	Rough .	Heavy .	Overcast, Squally, Rain.
	21	..	..	..	W	6—7	..	..	Heavy rain.
	22	..	..	29·59	..	..	..	..	
	24	..	..	29·59	W	6	Heavy .	Heavy .	Weather moderating.

S. S. "Chakrata," 5th and 6th May 1930.

Date.	Hour.	Position.		Bar.	Wind.		Sea.	Swell.	Remarks.
		Lat.	Long.		Direction.	Force.			
				"					
5th May 1930 . .	4	..	..	29·86	SE/E	4—5	SE/E, Moderate.	SE/E, Moderate.	Partly cloudy.
	8	7° 58′N	86° 20′E	29·91	SE/E	6	SE/E, Rough	SE/E, Moderate.	Overcast and Dull, Frequent rain squalls.
	Noon	7° 47′N	85° 42′E	29·86	SE/E	6	SE/E, Rough	SE/E, Moderate.	Overcast and Dull.

Date.	Hour.	Position.		Bar.	Wind.		Sea.	Swell.	Remarks.
		Lat.	Long.		Direction.	Force.			
				"					
5th May 1930—*contd.*	16	..	..	29·81	E/S	5	E/S, Moderate.	Cross swell, Maderate.	Overcast and Dull.
	20	..	..	29·84	SE/E	6	SE/E, Rough	SW, Heavy	Overcast, Frequent rain squalls.
	22	..	..	29·84	SE/E	5—6	..	..	
	Midnight	..	..	29·80	SE	5—6	SE, Rough	SW, Heavy	Overcast. Frequent squalls with rain.
6th May 1930 . .	1	..	..	29·78	SE	5—6	..	..	
	2	..	..	29·75	SE	5—6	..	..	
	3	..	..	29·74	SE/E	5	..	..	
	4	..	..	29·73	SE	4	SE, Moderate.	SE, Heavy	Overcast, Occasional rain squalls.
	5	..	..	29·71	SE/S	3—4	..	..	
	6	..	..	29·72	SE/S	4	..	..	
	7	..	..	29·70	SE	4—5	..	..	
	8	6° 41′N	82° 59′E	29·71	SE/S	4—5	SE/S, Rough	SE/S, Heavy	Overcast, Frequent rain squalls.
	9	..	..	29·65	ENE	6—7	..	..	Overcast.
	10	..	..	29·64	NNW	6—7	Confused, Rough.	..	Overcast, Occasional rain squalls.
	11	..	..	29·65	W	8	..	..	
	Noon	6° 28′N	82° 26′E	29·71	W/S	7—8	W/S, Rough	W/S, Heavy	Overcast, Constant rain.
	16	..	..	29·67	SW	6—7	SW, Rough	SSW, Heavy	Partly cloudy.
	20	..	..	29·76	SW/W	6—7	SW/W, Rough.	SW, Heavy	Generally cloudy, Occasional drizzle.
	22	..	..	29·77	SW/W	6—7	..	..	
	Midnight	..	..	29·75	WSW	6—7	WSW, Rough.	SW, Heavy	Partly cloudy.

S. S. "Mandasor," 6th, 7th and 8th.

Date.	Hour.	Position.		Bar.	Wind.		Sea.	Swell.	Remarks.
		Lat.	Long.		Direction.	Force.			
				"					
6th May 1930 . .	20	..	..	29·59	ESE	8	High .	Heavy .	Left Trincomalee at 15—41, at midnight heavy rain squalls. Strong SSE wind, High sea and swell bar. 29·78.
7th May 1930 . .	8	12° 00′N	80° 28′E	29·80	E	8	High .	Heavy .	Overcast, Squalls at 4 a.m. moderate SE Gale, high sea and heavy swell, bar. 29·75, at noon strong ESE wind, rough sea and swell, Rain.
	20	..	..	29·85	ESE	8	High .	Heavy .	Overcast, Squalls at 4 p.m. moderate gale ESE High sea and swell, fierce rain squalls.
8th May 1930 . .	4	..	..	29·84	SE	5	Moderate .	Heavy .	Heavy rain. At mid-night weather moderating, heavy rain squalls. Madras at 6 a.m.

These observations show that *S. S.* "*Waroonga*" was nearest to the centre at about midnight of 5th—6th, her barometer having fallen more than 0·6″ since 8 hours of the 5th. Taken with the observations of the Ceylon stations they indicate that by 8 hours on the 6th the depression had intensified into a storm of small extent and that it was then centred within half a degree of latitude 6° and longitude 83° and that it was moving northwards. *S. S.* "*Chakrata*" which was nearest to the centre at 10 hours recorded a pressure fall of 0·7″ between 8 and 10 hours preceded by a fall of 0·2″ in the previous 24 hours. The barometer fell rapidly at Trincomalee and the departure from normal at 19 hours on the 6th was nearly ¼″. At 20 hours. *S. S.* "*Mathura*" had near latitude 9°, longitude 83° a light southerly wind and moderate sea, while *S. S.* "*Mandasor*" which left Trincomalee for Madras at 16 hours of that day had an ESE wind of force 8 with many squalls and high sea and heavy swell: these observations taken with the 19 hours readings of Trincomalee showed that the storm centre was near latitude 9½°N, longitude 81½°E at 20 hours and that it had begun to move in a more westerly direction.

On the morning of the 7th the centre of the storm was over Palk's Strait near latitude 10°N, longitude 80°E, the depth at the centre then being in all probability ¼″. It crossed the coast about 11 hours of that day. By the morning of the next day, it had weakened into a depression and was located about 50 miles to the south of Mysore, and weakening further it lay about 50 miles to the east of Bangalore on the morning of the 9th. This depression then moved northeastwards and was over south Circars and the adjoining regions of the Bay on the morning of the 10th. By this time, the eastern end of the line of discontinuity had advanced northwards over the Bay, so that the line or front now ran in a northeasterly direction from the Madras coast and was indicated on the isobaric charts by a trough of low pressure. The depression then moved northeastwards along this front, first weakening, then redeveloping into the next storm of the season.

The storm caused exceptionally heavy rainfall in Ceylon on the 6th; Trincomalee had 11″ in 24 hours ending at 8 a.m. on the 7th and Colombo and Hambantota 4″ each. The following table of district averages gives an idea of the subsequent rainfall in the Madras Presidency.

Rainfall recorded on 7th, 8th, 9th, 10th and 11th May 1930.

District.	7th.	8th.	9th.	10th.	11th.
	″	″	″	″	″
1. South Arcot	4·0	..	..	..	..
2. Tanjore	5·7	..	..	..	..
3. Trichinopoly	2·5	3·4	..	..	..
4. Pudukottah State	4·0	2·9	..	..	..
5. The Nilgiris	..	4·7	..	4·3	..
6. Salem	..	3·2	..	..	..
7. Coimbatore	..	3·6	..	..	..
8. Cuddapah	..	4·2	..	..	..
9. North Arcot	..	3·2	..	..	..
10. Chittoor	..	4·6	..	..	..
11. Madras	..	3·7	3·0	..	..
12. Nellore	..	4·4	..	..	..
13. Malabar	..	..	..	5·5	..
14. South Kanara	..	..	..	3·6	3·9
15. Devi Kulam Division (Travancore State)	..	..	3·6	2·8	..
16. Kottayam (Travancore State)			4·0	3·0	..
17. Cochin State	..	..	4·2	4·0	..

The storm did considerable damage to the Colombo harbour as well as to cargo ships bound for Laccadive Islands from Malabar ports. The steam launch "*Chukkur*" belonging to Burmah Shell Oil and Storage and Distributing Co., capsized on the 9th evening off Cannanore (Malabar) owing to high winds. At Ernakulam, a country cargo boat capsized and about 15 of the crew were drowned. Much damage was also reported to have been caused to life and property at some places in the south of the Peninsula.

2. *Kyaukpyu Storm—10th to 13th May 1930.*—On the morning of the 11th May, the residual depression left by the previous storm formed part of a trough of low pressure which extended from off the south Circars coast to the Chittagong coast. On the southward side of the line of discontinuity of winds which ran along the axis of the trough, there was a fairly strong monsoon as far north as Lat. 18½°N; the upper winds at Port Blair were of force 6 or 7 from SSW upto 1 Km. level, the limit upto which upper wind data were available on that day. On the northward side of the trough at Vizagapatam they were NNE-ly up to 1 Km. and N-ly up to 3 Km., the speed decreasing markedly with height. At Madras, the upper winds were strong and they veered from northwest at 0·5 Km. to north at 3 Km.

By the morning of the 12th, a deep depression was centred at 8 hours near Lat. 18°N, Long. 89°E, where the deficiency of pressure was about ¼″. There was a strong monsoon to the south of the centre, upper winds at Port Blair upto 1 Km.,

upto which limit observation was possible, being south-westerly and of force 9 or more. Subsequently during this day, it intensified into a storm, the further progress of which is indicated by the logs of the following steamers :—

S. S. "Svale" (Rangoon to Calcutta), 12th and upto Noon 13th May 1930.

Date.	Hour.	Position.		Bar.	Wind.		Sea.	Remarks.
		Lat.	Long.		Direction.	Force.		
				"				
12th May 1930 . . .	4	..	..	29·56	SSW	8	Rather rough .	Squally, rain, Very heavy sea and stormy weather.
	8	..	..	29·49	SSW	10	Rough . .	Ditto.
	Noon	16° 39′N	91° 25′E	29·45	SSW	10	Rough . .	Ditto.
	16	..	..	29·44	W	8	Rather rough .	Overcast, Rain.
	20	..	..	29·50	W	8	Rather rough .	Squally.
	Midnight	..	..	29·60	WSW	8	Moderate . .	Sky partly cloudy (½ covered).
13th May 1930 . .	4	..	..	29·56	WSW	8	Moderate . .	Squalls.
	8	..	..	29·54	WSW	8	Moderate . .	Sky partly cloudy (½ covered).
	Noon	17° 26′N	87° 53′E	29·54	WSW	6	Moderate . .	Ditto.

S. S. "Deebank," 12th May 1930.

Date.	Hour.	Position.		Bar.	Wind.		Sea.	Remarks.
		Lat.	Long.		Direction.	Force.		
				"				
12th May 1930 . . .	4	..	..	29·73	SW	6	Rough . .	Overcast, Squalls.
	8	..	..	29·73	SW	7	Heavy . .	Overcast.
	Noon	16° 49′N	92° 35′E	29·71	SW	6	Heavy . .	Overcast, Generally cloudy.
	16	..	..	29·69	W	7	Rough . .	Squalls, Overcast, Terrific squalls of rain.
	20	..	..	29·73	W	7	Beam . .	Passing showers, Overcast.
	Midnight	..	..	29·76	WNW	6	Beam . .	Passing showers, Overcast.

S. S. "Beme," 12th May 1930.

Date.	Hour.	Position.		Bar.	Wind.		Remarks.
		Lat. N	Long. E		Direction.	Force.	
				"			
12th May 1930	4	20° 13′	88° 58′	29·51	SE	3	Slight sea, heavy southerly swell, Overcast and clear, passing light showers.
	8	19° 45′	89° 26′	29·52	SE	5—6	Rough SE sea, heavy swell, Overcast, occasional light rain.
	12	19° 26′	89° 47′	29·51	NE	5	Moderate NE sea, Heavy SW swell, Overcast.
	16	19° 02′	90° 15′	29·47	N	3—4	Moderate confused sea and heavy swell; Overcast; clear.
	20	18° 46′	90° 42′	29·53	Lightairs.		Heavy S swell, Overcast, Squally rain.
	24	18° 04′	91° 20′	29·55	WSW	3—4	Moderate WSW sea, Heavy swell (SW), Overcast; clear.

S. S. "Angora," 12th and 13th May 1930.

Date.	Hour.	Position.		Bar.	Wind.		Sea.	Swell.	Remarks.
		Lat. N	Long. E		Direction.	Force.			
12th May 1930 . .	..	..	..	..	..	..	..	..	(*Left Sandheads 9/00P. M. 11/5/30*). Moderate breeze, slight sea, heavy swell, fine, Overcast, Lightning to S. Vessel taking water.
	4	20° 00′	89° 32′	29·63	S	4	SSE, Slight	SW, Heavy	Fine.
	5	..	..	29·64	S/E	4	SSE, Moderate.	SW, Heavy	Moderate wind and sea and Heavy swell.
	6	..	..	29·61	SSE	4	SSE, Moderate.	SW, Heavy	Overcast, vessel labouring.
	7	..	..	29·63	SSE	4	SSE, Moderate.	SW, Heavy	Occasional Heavy rain squalls.
	8	19° 13′	90° 24′	29·63	SSE	4	SSE, Moderate.	SW, Heavy	Light rain, vessel labouring.
	9	..	..	29·62	S/E	4	SSE, Moderate.	SW, Heavy	Moderate wind, Rough sea, Heavy swell.
	10	..	..	29·65	SSE	5	SEE, Moderate.	SW, Heavy	Overcast with frequent rain squalls.
	11	..	..	29·60	SSE	4	SSE, Moderate.	SW, Heavy	Vessel labouring.
	Noon	18° 29′	91° 10′	29·60	SE/S	3	SSE, Moderate.	SW, Heavy	Fine.
	13	..	..	29·58	SSE	4	SSE, Moderate.	SW, Heavy	Moderate wind and sea, heavy swell.
	14	..	..	29·53	SSE	4	SSE, Moderate.	SW, Heavy	Overcast.
	15	..	..	29·52	S/W	4	S, Rather rough.	SW, Heavy	Vessel labouring.
	16	17° 49′	91° 55′	29·52	S/W	4	S, Rather rough.	SW, Heavy	Fine.

Date.	Hour.	Position.		Bar.	Wind.		Sea.	Swell.	Remarks.
		Lat. N	Long. E		Direction.	Force.			
12th May 1930—*contd.*	17	..	..	29·51	SW/S	6	SW, Rather rough.	SW, Heavy	Strong wind, rough sea, heavy swell.
	18	..	..	29·56	SW/W	6	SW, Rather rough.	SW, Heavy	Overcast.
	19	..	..	29·63	SW/W	6	SW, Rather rough.	SW, Heavy	Vessel labouring heavily.
	20	17° 03′	92° 32′	29·66	WSW	6	SW, Rather rough.	SW, Heavy.	Fine.
	21	..	..	29·67	WSW	4	SW, Rather rough.	SW, Heavy	Moderate wind, rough sea, very heavy swell, frequent rain squalls.
	22	..	..	29·70	WSW	5	SW, Rather rough.	SW, Heavy.	
	23	..	..	29·70	SW/W	6	SW, Rather rough.	SW, Heavy	Vessel labouring heavily.
	Midnight	16° 23′	93° 26′	29·70	SW/W	5	SW, Rather rough.	SW, Heavy	Fine.

S. S. "Angora," 13th May 1930.

Date.	Hour.	Position.		Bar.	Wind.		Sea.	Swell.	Remarks.
		Lat. N	Long. E		Direction.	Force.			
13th May 1930 . .	1	..	..	29·70	SW/W	5	SW, Moderate.	SW, Heavy	Fresh wind, rough sea, heavy swell.
	2	..	..	29·70	SW/W	5	SW, Moderate.	SW, Heavy	Dull and Overcast occasional rain.
	3	..	..	29·68	SW/W	5	SW, Moderate.	SW, Heavy	Vessel labouring.
	4	15° 56′	93° 57′	29·68	SW/W	5	SW, Moderate.	SW, Heavy	Fine.
	5	..	..	29·70	SW/W	5	SW, Rather rough.	SW, Heavy	Fresh wind, Rough sea, Heavy swell, Overcast, Occasional very heavy rain squalls, Vessel labouring.
	6	..	..	29·75	WSW	5	SW, Rather rough.	SW, Heavy	
	7	..	..	29·78	WSW	5	SW, Rather rough.	SW, Heavy	
	8	15° 30′	94° 43′	29·80	WSW	5	SW, Rather rough.	SW, Heavy	Raining.
	9	..	..	29·83	WSW	4	SW, slight .	SW, Moderate.	Moderate following wind, sea and swell, Overcast, Continuous light rain.
	10	..	..	29·85	WSW	4	SW, slight	SW, Moderate.	
	11	..	..	29·87	WSW	4	SW, slight .	SW, Moderate.	
	Noon	15° 38′	95° 44′	29·85	WSW	4	SW, slight	SW, Moderate.	Light rain.

The observations of these steamers show that at 16 hours on the 12th the storm was centred near Lat. 18½°, Long. 91½°, and that it was moving nearly east and that at 20 hours the centre was near Lat. 18½°, Long. 92½°.

By 3 hours next morning the storm had crossed the coast about 40 miles south of Kyaukpyu and rapidly weakened into a depression. By the morning of the 14th the depression had disappeared; a trough of low pressure extended from north Coromandel coast to northeast Assam and strongly marked monsoon conditions prevailed south of Lat. 15°.

The storm was responsible for heavy rainfall in the Arakan division between the 10th and 12th, the district average for the 48 hours ending at 8 hours of the 12th being 9·5″. Moderate to heavy rain fell also nearly generally in the Chittagong district, the noteworthy falls were 18″ at Nakhyongchhari on the 11th preceded by 6″ the previous day and 11″ at Cox's Bazar on the 12th preceded by 7″ the previous day.

3. *Shallow 'Low,'—14th to 16th June 1930.*—On the morning of the 12th an appreciable fall of pressure was noticed over the central and north Bay and the fall continued until the 15th. On the morning of the 13th, negative pressure departures appeared over the central regions of the Bay, and on the morning of the 14th the isobaric chart showed a 'low' off the Orissa-Ganjam coast. That conditions were becoming favourable for the formation of a depression in the northwest angle of the Bay was evident from the fact that on the morning of the 14th easterly or southeasterly winds set in over southwest Bengal and the adjoining districts of Orissa and a moderate southerly pressure gradient was established off the Arakan coast. The upper air circulation showed significant changes on the afternoon of the 14th, when the winds over Chittagong, Calcutta and Ranchi indicated a cyclonic circulation over the head of the Bay upto a height of at least 2 Km. On the morning of the 15th, the southerly pressure gradient off the Arakan coast intensified further and a depression appeared with its central region near Lat. 18°N, Long. 89°E. That this depression must have been very shallow is evident from the fact that light southwesterly winds were experienced in its northern side as is seen from the following ships' observations—

Date.	S. S.	Hour.	Position.		Wind.		Remarks.
			Lat.	Long.	Dirn.	Force.	
June 15 .	Beme .	7	20° 30′	89° 30′	SW	2	Squally, slight sea.
	" .	8	20° 05′	89° 25′	SW	3	Slight sea.

The shallow depression did not intensify at all and by the morning of the 16th had moved westwards and become unimportant. Under the influence of this depression widespread nor'westers occurred in northeast India. The rainsqualls along the Chittagong-Arakan coasts on the 13th are noteworthy.

4. *Depression of 20th to 23rd June 1930.*—The Arabian Sea monsoon, which appeared on the west coast on the 8th June, gradually strengthened there during the course of the next week. Winds in the southeast Arabian Sea during this period were only of moderate strength and blowing from a direction between NW and SW; in the north Arabian Sea the winds were stronger and had a large southerly component due to the activity of the seasonal low over northwest India. This wind circulation was responsible for the greater activity of the monsoon in the Konkan than in Malabar. Pressure changes after the 16th indicated that a wave of low pressure was advancing to the north of Aminidivi from the southeast Arabian Sea and on the 19th, pressure departures were of the order of—0·1″ off Kanara. These pressure changes produced strong gradients and caused a strengthening of the monsoon in Malabar and north Kanara. Upper winds over Poona on the 19th morning were strong SW-ly at 1 km. and mainly NE-ly above up to 6 km. On this day, fairly widespread thunderstorm rain fell from the south Konkan to the east United Provinces indicating the development of a well-defined front.

S. S. "Badarpur", bound for Abadan from Bombay, which was experiencing light SSW-ly wind and smooth sea till the 18th noon, encountered heavy SW-ly swell at 4 p.m. that day near Lat. 23°N and Long. 61°E. On the 19th, she logged light SSW-ly wind in the morning near Lat. 21°30′N and Long. 62° 30′E and Calm in the afternoon. On the next morning, she experienced light NE-ly wind near Lat. 19°N and Long. 66°E. In the course of that day, her wind gradually veered and after 9 p.m. she began to experience a fresh SW-ly wind. *S.S. "Maloja"* (Freemantle to Bombay, position Lat. 9°25′N and Long. 76°E at noon on the 19th) experienced occasional heavy rain squalls during that day. *Logs* of *S. S. "Badarpur"*, *S. S. "Ozarda"* (Port Okha to Tellicherry) and of *S. S. "Andyk"* (Perim to Bombay) indicate that a depression had formed off the Konkan by the 20th morning with centre at 8 hours within a degree of Lat. 17°N and Long. 69½°E. In the course of that day, the depression probably intensified and moderate to strong SW-ly gales were experienced in the southwest quadrant. *S. S. "Narkunda"* (Bombay to Sydney) noon position Lat. 18°44′N and Long. 72°37′E logged frequent fierce squalls of heavy rain between midnight 20th and next morning. On the 21st morning, the centre lay near Lat. 18½°N and Long. 68½°E. Upper winds at Poona were SE-ly at 1 km. and strong SW-ly above; at Ahmedabad, they were light S-ly up to 1 km., NE-ly at 2 km. and E-ly at 3 km., winds at the latter level having veered since the previous day. These wind changes agree with a northwestward movement of the depression.

The centre of the depression lay within a degree of Lat. 20°N and Long. 67°E at 8 hours on the 22nd morning. On that morning, upper wins at Karachi and Gwadur were mainly NE-ly between 3 and 6 km. In the course of that day, winds over Karachi gradually veered to east. These changes in the upper winds caused the depression to weaken and its centre lay near Lat. 22°N and Long. 65°E on the 23rd morning. The depression filled up during the course of that day. Widespread heavy rain fell in the Konkan from the 21st to 23rd.

5. *Storm of 27th to 30th June 1930.*—The strong westsouthwest to southwest winds in the east Arabian Sea, after the filling up of the depression of 20th to 23rd June, caused fairly vigorous monsoon on the west coast up to Dwarka on the 24th and 25th. Pressure changes on the west coast on those two days indicated that conditions were again becoming favourable for the development of unsettled conditions in the

east Arabian Sea. On the 26th morning, pressure departures on the Konkan-Kathiawar coast were of the order of —0·13″, Surface pressures as well as upper winds at 0·5, 1 and 2 km. over Gujarat and the adjoining parts and at 2, 4 and 6 km. at Karachi and Ajmer on the 26th morning showed that the seasonal low over northwest India had moved southwards to the north Arabian Sea and a cyclonic circulation was being set up off Kathiawar. By the 27th morning, a shallow low, pressure area, elongated in a W-E dirction, had *already* formed with centre somewhere near Lat. 20°N and Long. 64°E, as may be seen from the *log* of *S. S. Ockenfels* (Aden to Navalakhi).

S. S. "Ockenfels."

Day.	Hour.	Latitude (N).	Longitude (E).	Wind.	
				Direction.	Force.
27	4 a. m.	..	..	W	5—6
	8 a. m.	20°15′	64°45′	SE	4
	Noon	20°35′	65°29′	SW	2
	4 p. m.	..	..	NE	2
	8 p.m.	..	..	ENE	3
	Midnight	..	..	NE/E	3—2
28	8 a.m.	22°18′	69°01′	NE	5

Upper winds at 0·5 and 1 km. at Ahmedabad on the 27th morning were light southerly to southsouthwesterly, having veered since the previous day, indicating a northeastward movement of the depression.

The centre of the depression lay near Lat. 20°N and Long. 66°E at 8 p.m. on the 27th. *S. S. "Ahmedi"* (Karachi to Bombay) which was experiencing light southsoutheasterly wind near Lat. 20½°N, Long. 69°E at that time began to experience thereafter a fresh SW-ly gale, heavy squalls and high swell. The depression was then intensifying into a storm, probably with the arrival of fresh monsoon air. At 7 hours on the 28th morning this ship was experiencing a strong southwesterly gale, when near Lat. 17½°N and Long. 69½°E. The centre of the storm lay near Lat. 20½°N and Long. 68¾°E at 8 hours.

On the 28th morning, upper winds at Ahmedabad at 0·5 km. and 1 km. had again become southeasterly (force 5), perhaps indicating that the storm was going to move in a northwesterly direction.

From the wind changes and velocities experienced by the *S. S. "British Sailor"* (Bombay to Abadan) and *S.S. "Alavi"* (Bombay to Aden) on the morning of the 29th, it appears that both the steamers were very near the barometric centre at 8 hours (Lat. 22°N and Long. 65°E). There were no very strong winds near the centre but, further south, *S. S. "Razmak"* (Bombay to Aden) reported a southwesterly gale with occasional rain squalls at 8 hours near Lat. 19½°N and Long. 68½°E. Extracts from the logs of the first two steamers are given below :—

S. S. "Alavi".

Day.	Hour.	Latitude. (N)	Longitude. (E)	Wind.		Remarks.
				Dir.	Force.	
29	4 a. m.	..	..	NNE	3	Frequent rain
	8 a.m.	22°22′	64°03′	NW	4	Torrential rain squalls.
	Noon	22°41′	64°32′	SE	4	
	4 p.m.	..	..	ESE	4—5	
	8 p.m.	..	..	ESE	4—5	
	Midnight	..	..	SE	4	

S. S. "British Sailor".

Day.	Hour.	Latitude. (N)	Longitude. (E)	Wind.		Remarks.
				Dir.	Force.	
29	4 a.m.	..	..	N	3	
	8 a.m.	22°45′	64°06′	NE	6	Heavy rain squalls.
	Noon	22°29′	64°46′	S	3	Occasional showers.
	4 p.m.	..	..	S	4	
	Midnight	..	..	S	4	

It appears that in the course of that day the storm weakened rapidly, the region of lowest pressures elongating at the same time, probably due to a further strengthening of the southwesterly winds off Kathiawar. The influx of moist winds inland caused an extension of rainfall in Gujarat, Rajputana and west Central India.

On the 30th morning, there remained only a low pressure area over the north Arabian Sea with the lowest pressures roughly along Lat. 22°N. This region of low pressure moved eastwards and entered inland by the morning of the 1st July, and in the course of that day, pressures rose rapidly over the north Arabian Sea.

6. *Storm, 28th June to 1st July, 1930.*—On the morning of the 24th June a barometric low associated with an area of localised moderate pressure fall and negative pressure departure was noticed off the Orissa-Circars coast. During the next 24 hours the pressure rose over practically the whole of northeast India whilst it fell markedly over the Bay with the result that a wide area of negative pressure departure extending from the Coromandel to the Arakan coast came into existence on the morning of the 25th. The following ships' *logs* showed abnormal winds in the northwest angle of the Bay indicating unsettled conditions off the Orissa-Circars coast :—

Date.	Steamer.	Hour.	Position.		Wind.		Remarks.
			Lat.	Long.	Dir.	Force.	
June 25	"City of Dalhart"	7	17° 30′N	86° 30′E	N	4	
	"Sawokla"	8	18° 10′N	85° 08′E	NE	3	Sea slight.

The net effect of the pressure changes on the 26th was the localisation of the area of negative pressure departure mainly off the Orissa-Circars coast and a well defined 'low' appeared about 70 miles southeast of Puri. On the morning of the 27th the 'low' showed signs of weakening and entering inland. In the upper air circulation, however, the noteworthy feature was the existence of an easterly or southeasterly current over the whole of northern India and a westerly or southwesterly current over the Peninsula. This state of wind distribution persisted upto a height of about 2 Km., and the line of demarcation between the two systems of winds was along a line running east-west through Puri. This peculiar distribution of winds was probably responsible for a rather sudden development next morning of a depression with its central region at 8 hours near Lat. 19°N, Long. 88°E. It then remained stationary and intensified into a deep depression by the morning of the 29th.

The deep depression thereafter moved slowly westnorthwestwards, intensified into a storm [*vide S. S. "Marienfels"* (Colombo-Madras-Calcutta), June 30th, 1930 in table below], and was centred at 8 hours on the 30th near Lat. 19°N, Long. 87°E. The deficiency of pressure at the centre was probably of the order of ·4″. The centre of the storm at 17 hours on the 30th was near Lat. 19½°N, Long. 86½°E. At 8 hours on the 1st July the storm centre was at a short distance east of Puri, and it crossed the coast between Puri and False Point about noon of that day. The storm then weakened into a depression, which lay over west Orissa on the morning of the 2nd. The depression then passed away westwards along the track shewn in the map.

Some of the noteworthy heavy falls during this storm are noted below against each district—

District.	
Drug . . .	Several stations had 11″ to 13″ of rain in 48 hours ending at 8 hours on 2nd July.
Raipur . . .	Maramsilli 11·9″ and Gathasilli 9·5″ in 48 hours ending at 8 hours on 2nd.
Feudatory States .	Kanker 12·2″ in 48 hours ending at 8 hours on 2nd.
Narsingpur . .	Molipani (Gotitoria) 11·3″ in 24 hours ending at 8 hours on 1st.
Chanda . . .	Most of the stations had 6″ to 14″ of rain in 48 hours ending at 8 hours on the 3rd.
Hoshangabad . .	Harda 11·7″, Seoni 14·8″ and Makrai State 14·5″ on 2nd and Pachmari 18″ in 48 hours ending at 8 hours on 3rd.
Betul . . .	Betul (Badnur) and Shahpur 5·4″ and 10·2″ and 7·5″ and 11·4″ on 1st and 2nd respectively.
Yeotmal . . .	Wun 14·2″ and 13·8″ on 1st and 2nd respectively.

S. S. "Marienfels."

(Colombo-Madras-Calcutta.)

Date.	Hour.	Position.			
		Lat.	Long.	Dir.	Force.
June 30th .	9	..	..	W	8
	10	..	..	WSW	9
	11	..	..	WSW	9—10
	Noon	16° 23′N	83° 35′E	WSW	9—10
	13	..	..	WSW	9
	14	..	..	WSW	9
	15	..	..	WSW	9
	16	..	..	WSW	9
	17	..	..	WSW	8—9
	18	..	..	WSW	8—9
	19	..	..	WSW	8—9
	20	..	..	WSW	8—9
	21	..	..	WSW	9
	22	..	..	WSW	9
	23	..	..	WSW	9
	Midnight	..	..	WSW	9

7. *Shallow Depression, 8th to 10th July, 1930.*—On the morning of the 3rd July a wave of low pressure appeared east of Long. 96°E. This pressure fall over an extensive region slowly travelled northwestwards and established a low pressure trough extending from the Andaman Sea to Bengal. The northwesterly movement persisted and on the morning of the 7th conditions became unsettled at the head of the Bay associated with a marked strengthening of the monsoon in the north Bay. The pilot balloon data on the morning of the 7th shewed a cyclonic circulation over the Chittagong hills upto a height of at least 2 Km. It caused extensive heavy rain in east Bengal between the 7th and the 8th. The cyclonic circulation apparently intensified into a depression and moved rapidly westwards and lay over Chota Nagpur on the morning of the 9th. Within the next 24 hours the depression weakened and passed away westwards.

8. *Storm of 11th to 19th July, 1930.*—On the morning of the 9th a localised fall of pressure was first noticed off the Tenasserim coast, but it was not until the morning of the 11th that a general wave of low pressure appeared in Burma, east of Long. 93°E. The pressure fell considerably over Burma by the morning of the 12th, when a concentrated defect of pressure appeared over the north Andaman Sea. This area of low pressure gradually moved northwestwards and on the morning of the 14th it appeared in the form of a shallow depression off the Arakan coast. The corresponding barometric low, however, lay over the head of the Bay. On the morning of the 15th, large pressure falls occurred over a region extending from northeast Assam to the northeast angle of the Bay and the deficiency of pressure at Akyab was ·2″. By 8 hours on the next day it had intensified into a storm apparently of a small diameter and was centred near Cox's Bazar, the deficiency of pressure at that station being ·3″. By the morning of the 17th however it became a regular monsoon storm with the centre somewhere between Barisal and Noakhali. The direction of motion then became westnorthwesterly, and at 8 hours on the 18th, the centre, where the deficiency of pressure was apparently about ·25″, was midway between Calcutta and Berhampore. The storm later began to weaken, but the depression was still deep and was centred at 8 hours on the 19th near Ranchi. Thereafter the depression moved away westwards in the usual manner as depicted in the chart.

The storm caused extensive rain near its track, the noteworthy amounts being :—

15th—Patuakhali (Bakarganj) and Mirsarai (Chittagong) 6″.

19th—In Bhopal Agency—Baroda 6″, Raisen, Nasrullaganj and Sultanpur each 7″, Kalia Kheri (Gourganj) and Doraha each 8″ and Basoda (Gwalior) 9″.

20th—Jubbulpore 10″, Barera Kalan and Pariat (Jubbulpur) 11″ and 12″ respectively and Dindori, Shehpura and Niwas (Mandla) 8″, 9″ and 8″ respectively.

9. *Depression of 21st to 24th July, 1930.*— There was a localised pressure fall over the Andaman Sea on the 19th associated with heavy rain along the Arakan coast. This fact suggested that one of those low pressure waves from the Siam side, which often give rise to monsoon depressions in the north Bay, was advancing into the Bay of Bengal. On the morning of the 20th there appeared a more or less well-marked area of negative pressure departure over the central and north Bay, and on the morning of the 21st the characteristic bulging out of the monsoon trough over the northwest angle of the Bay occurred and the upper winds at Calcutta, which were hitherto blowing from a southwesterly direction, at least upto 2 Km. level, for the first time backed to southeast. That the weather was unsettled in the north Bay was also evident from the fact that abnormal winds were recorded by the following ship :—

S. S. "Cocanada."

Date.	Hour.	Position.		Wind.		Remarks.
		Lat.	Long.	Dir.	Force.	
July 21st .	7	17° 30′N	88° 30′E	NW	5	Sea slight, moderate swell from south.
	8	17° N	88° 08′E	NW	4	Overcast sky, rain, sea slight.

During the next 24 hours widespread heavy rain fell in Orissa and by the morning of the 22nd a shallow depression had formed with centre about 50 miles southeast of Saugor Island. The depression moved in a northwesterly direction, crossed the coast near Contai by 15 hours on that day and moved rapidly northwestwards. On the morning of the 23rd it was centred near Ranchi. The negative departure of pressure at the centre had decreased by this time from ·1″ to ·06″. Thereafter it merged into the seasonal monsoon trough.

10. *Depression of 6th to 8th September, 1930.*—The log of *S. S. "Talamba"* (extracts given below) shews that the preliminary abnormal circulation in the sea area associated with this depression started in the north Andaman Sea on the 1st September :—

S. S. "Talamba."

Date.	Hour.	Position.		Wind.		Remarks.
		Lat.	Long.	Dir.	Force.	
Sept. 1st .	2	12° 30′N	97° 30′E	NW	2	Sea slight: slight swell from SW.
	7	12° 30′N	96° 30′E	N	2	Sea slight: slight swell from SW.
	11	13° 30′N	96° 30′E	N	2	Sea slight: slight swell from SW.

Local thunderstorms in Tenasserim started on the 1st and became general over that coast between the 3rd and the 4th ; on the latter date a concentrated negative pressure departure appeared in the north Andaman Sea and pressure also fell markedly in the north Bay. By the morning of the 5th there was a further fall of pressure in the north and central Bay and a cyclonic circulation was being established in the east central Bay. The associated upper air circulation as indicated by the coastal pilot balloon stations showed a cyclonic circulation at 0·5 Km. level over the region extending from Pegu to the Andamans. In the course of next 24 hours the monsoon strengthened further in the Bay south of Lat. 16°N, *S. S. "Tairea"* reporting a light easterly wind near Lat. 19½°N, Long. 90½°E. An area of marked negative pressure departure lay off the Arakan coast. The cyclonic circulation in the upper levels extended upto great heights and the unsettled conditions developed into a depression with the central region near Lat. 18°N, Long. 91°E at 8 hours on the 6th.

While moving slowly in a northwesterly direction the depression intensified further and was centred at 8 hours on the 7th near Lat. 18½° N, Long. 89°E. The *S. S. "Begum"* near Lat. 19½°N, Long. 89½°E reported a moderate northeasterly wind and *S. S. "Dara"* had a northwesterly wind of force 4 in the neighbourhood of Lat. 18½°N, Long. 87½°E. The cyclonic circulation in the upper layers noticed on the 6th intensified further on the 7th.

The depression continued to move in a northwesterly direction and was centred near Lat. 19°N, Long. 87°E at 8 hours on the 8th, the deficiency of pressure was probably then of the order of ·15″ near the centre. The monsoon on this day was very strong in the Bay to the south of the depression, from which region several steamers reported southwesterly winds of force 7.

The depression crossed the coast near Puri in the afternoon of the same day. It then weakened and passed gradually into the southeast of the Central Provinces, where it remained as a shallow 'low' till the 10th and became unimportant thereafter.

It caused widespread and locally heavy falls of rain in Orissa and Ganjam.

11. *Shallow Depression of 21st to 26th September 1930.*— With the freshening of the monsoon in the Bay, weather became slightly unsettled in the north of the Bay by the morning of the 20th. During the course of the next 24 hours

pressure fell appreciably off the Orissa coast and the unsettled conditions concentrated into a shallow depression with central region in the neighbourhood of Lat. 19°, Long. 88° at 8 hours on the 21st. The *S. S.* "*Nowshera*" had moderate SSW wind near Lat. 18½°, Long. 90½° and *S. S.* "*Hoogkerk*" and *S. S.* "*Erinpura*" experienced strong SW winds in the neighbourhood of Lat. 14½°, Long. 87½° in the morning.

The shallow depression persisted off the Orissa coast without further movement or intensification for the next two days. Strong monsoon conditions however extended into the north of the Bay and the shallow depression intensified by the morning of the 24th, but without appreciable movement. By the evening of the next day it began to move slowly in a northwesterly direction and passed inland near Balasore on the early morning of the 26th. Continuing to move in a northwesterly direction it lay over Chota Nagpur by 8 hours on that day. It then weakened and became unimportant. Widespread and locally heavy rain fell to the north of the depression as it moved inland.

12. *Storm of 21st to 24th October, 1930.*—The observations of the morning of the 19th October showed an appreciable increase of rainfall round the Andaman Sea as well as on the southeast Madras coast; winds at the surface and 0·5 Km. level (the limit upto which observations were available) at Port Blair were south-southeasterly or southeasterly and pressure was below normal in the southwest Bay. On the morning of the 20th there was a characteristic pressure rise over Ceylon and along the Coromandel coast. The weather continued to be unsettled in the southwest Bay and heavy rain was reported from Pamban and moderate rain from Trincomalee, and winds were mainly easterly from the surface upto at least 4 Km. level at Port Blair. The *S. S.* '*Tairea*' and "*Rajula*" both reported rain; their observations are given below :—

Date.	Steamer.	Hour.	Position.		Wind.		Remarks.
			Lat.	Long.	Dir.	Force.	
October, 20th.	'Rajula'	3	10°30′N	82°30′E	E	2	Rain, Slight sea, slight swell from northeast.
	'Tairea'.	7	9°30′N	83°30′E	NE	5	Rain, moderate sea, moderate swell from south.

By 8 hours of the 21st there was a marked pressure fall over east Ceylon, where pressure was also appreciably below normal, and it was apparent from the chart that a depression was forming with central region probably near Lat. 8° N, Long. 86½° E. On the 22nd the depression had formed and moved in a nearly northwesterly direction and was centred at 8 hours near Lat. 10° N, Long. 83° E. The 17 and 19 hours observations on the 22nd showed that the depression quickly intensified into a storm and was centred at 19 hours of the 22nd near Lat. 11° N, Long. 82° E and that it was moving in a nearly westerly direction. On the morning of the 23rd the storm was centred about 80 miles east of Negapatam. It then moved westwards and crossed the coast near Negapatam at about 2 hours on the 24th. The deficiency of pressure at the centre was apparently more than ·3″. It weakened afterwards into a depression and passed out into the Arabian Sea within the next two days.

The storm was responsible for heavy rainfall and floods in southeast Madras. It caused breaches on the South Indian Railway. The following district averages of rainfall give an idea of the distribution of rainfall during the storm period :—

District.	Date.				Total.
	22nd.	23rd.	24th.	25th.	
Tanjore	2·1″	7·2″	5·9″	0·6″	15·8″
Puddukottai State	0·8	3·8	7·7	0·7	13·0
South Arcot	1·7	4·2	2·6	2·1	10·6
Trichinopoly	0·5	2·0	4·6	2·6	9·7
Travancore State (Trivandrum Dn.)	0·9	3·4	1·6	0·5	6·4
Cochin State	0·2	1·0	1·4	2·6	5·2
Travancore State (Quilon Dn.)	0·7	1·5	2·1	0·5	4·8

Falls of 10″ or more occurred at many places and the following are the most noteworthy :—

23rd—

Negapatam	16″
Tiruppundi	11″
Shiyali	12″
Neidavasal	15″
Tranquibar	13″

24th—

Muttupet	14″
Pattukkottai	11″
Arantangi	14″
Trichinopoly	13″
Illupur	10″
Pudukkottai	11″
Karambakkudi	12″
Kolattur	10″
Annavasal	12″

13. *Storm of 25th to 30th October.*—The centre of the Bay storm of 21st to 24th October lay near Trichinopoly on the 24th morning. Upper winds over Mangalore, which were generally between north and northeast the previous evening had weakened and the wind at 0·5 Km. had veered to southeast. This change indicated that under the influence of the storm over land, conditions were becoming unsettled off Malabar. By the afternoon of the 24th, winds over Mangalore changed further, being light westerly at 0·5 Km. and southwesterly at 1·0 Km.; Cumulo-Nimbus cloud, which was coming from northeast in the morning, had changed its direction and was coming from southwest in the afternoon. By the next morning, the storm had weakened into a depression and was lying over the extreme south of the Peninsula, while a shallow low had formed in the southeast Arabian Sea between Malabar and the Laccadives. With its formation, an inflow of moist winds began in Malabar and the adjoining parts as shown by an increase in rainfall and southwesterly winds upto 4 Km. at Trivandrum in the afternoon.

By the 26th morning, the depression over the extreme south of the Peninsula had disappeared, but the low in the southeast Arabian Sea had further intensified as shown by strong southwesterly wind at Minicoy; its centre lay very near and to the north of Aminidevi. On that afternoon, Mangalore had wind at 0·5 Km. blowing from south-southeast

with a velocity of about 35 mph. and nimbus cloud coming from the south. This indicated a northward movement of the depression. By the next morning, winds near Kanara coast had strengthened and were mainly southeasterly of force about 5.

The centre of the depression lay near Lat. 13°N and Long. 72°E at 8 hours on the 27th morning. During the course of that day, the depression intensified into a storm and its centre lay near Lat. 14½°N and Long. 71°E at 5 P.M. Winds in the southeast sector of the storm were generally strong and associated with rain as shown by the log of *S. S. Nawab* near Lat. 13½°N and Long. 74°E.

On the 28th morning, the storm centre lay near Lat. 15½°N and Long. 71°E. Upper winds over Mangalore were strong southerly at 0·5 and 1 Km. ; over Poona, they were southeasterly with about 25 mph. at 1 Km, having veered since the previous evening. There also existed a rain front extending from the north Bombay Deccan to Berar, widespread rain having occurred over that region during the previous 24 hours.

On the 27th afternoon, winds over Poona were strong southeasterly at 1, 2 and 3 Km.; Cirrus cloud at Ahmedabad and Ajmer was coming from southwest, an indication, apparently of a northeastward movement of the storm. By the 29th morning, the rain front had moved northwards and extended at 8 hours from near the centre of the storm (Lat. 18½°N and Long. 71°E) to east Central India, Bombay experiencing strong south-southeasterly wind at 8 A.M. Winds at Bombay veered by the afternoon and a strong south-south westerly wind was blowing at 5 P.M. At this time, the storm centre lay near Lat. 20°N and Long. 71½°E. Thereafter, the storm moved rapidly and passed inland near and to the north of Surat at about 10 P.M. in the night. From the pressure changes at Surat, it appears that when crossing the coast, the storm had a depth of about 0·4″. Wind direction and velocity at Bombay on the 29th as given by the Dines pressure tube Anemometer are given in the following table.—

Time.	Direction.	Velocity mph.
2 hours	SE/E	16—18
4 hours	SE/S	26—30
6 hours	SE	30—34
8 hours	SE/S	30—34
10 hours	S	40—50
11 hours	S	40—50
12 hours	S	34—44
14 hours	SSW	30—38
16 hours	SSW	30—34
18 hours	SSW	20—26
20 hours	SSW	20—25
22 hours	SSW	14—18
24 hours	SSW	16—18

On the 30th morning, the storm lay as a deep depression over west Central India ; widespread rain, with locally heavy falls to the north of the line extending from Bhavnagar to Nowgong, had fallen from Gujarat to the United Provinces during the previous night. Moving in a northeasterly direction, the depression weakened and filled up over the east United Provinces by the morning of the 1st November.

14. *Storm of 7th to 10th November, 1930.*—On the morning of the 5th November the advance of a low pressure wave from the Gulf of Siam was suspected. On the morning of the 6th the large concentrated pressure fall along the Tenasserim coast and a northwesterly wind of force 6 experienced by *S. S. 'Investigator'* near Victoria Point left no doubt that conditions were becoming unsettled in the south Andaman Sea. On the 7th there was a rapid rise of pressure over Tenasserim, but pressure reading at Port Blair suggested a region of moderate pressure fall over Diamond Island-Table Island-Port Blair-Car Nicobar region, where pressure was also below normal. There was however no definite indication of the existence of a central region until 2 hours on the morning of the 8th, when the following ships' observations indicated that a central core was developing near Lat. 13°N, Long. 91°E, about 160 miles southwest of Table Island—

Date.	Steamer.	Hour.	Position.		Wind.		Remarks.
			Lat.	Long.	Dir.	Force.	
November 8th.	'Badarpur .	2	13° 30′ N	91° 30′ E	E	7	Sea slight, heavy swell from NE.
	'Jalaveera'.	3	12° 30′ N	90° 30′ E	WNW	2	Sea slight.

From the 5th onwards the surface wind at Diamond Island was easterly or northeasterly and became intermittently squally. On the morning of the 8th however it became southeasterly for the first time indicating that the depression was moving northwards. The following ships' logs indicated that the centre of the depression was near Lat. 14°N, Long. 91°E at 8 hours on the 8th.

Date.	Steamer.	Hour.	Position.		Wind.		Remarks.
			Lat.	Long.	Dir.	Force.	
November 8th.	'Elephanta'	7	15° 30′ N	92° 30′ E	SE	7	Sea rough, slight swell from SE, squally.
	Do. .	8	15° 00′ N	92° 45′ E	ESE	6	Sea rough, overcast, squally, rain. Heavy rain squalls at frequent intervals.
	'Badarpur'	8	13° 50′ N	92° 22′ E	SW	4	Sea moderate, overcast, continuous light rain.

By the morning of the 9th the depression had intensified into a storm, as is evident from the following ships' logs, its centre being near Lat. 16½°N, Long. 91½°E—

Date.	Steamer.	Hour.	Position.		Wind.		Remarks.
			Lat.	Long.	Dir.	Force.	
November 9th.	'Bahadur'	7	17° 30′ N	91° 30′ E	SE	9	Sea very rough.
	'Bhuban'.	8	17° 38′ N	91° 55′ E	SE	9	High sea, squally, overcast, ugly threatening sky.

Later, the direction of the storm became north-northeasterly; the centre of the storm, at 17 hours of that day, was near Lat. 17½°N, Long. 91½°E. At 8 hours on the 10th morning the deficiency of pressure at Kyaukpyu was nearly ·5″ and the storm, centred very near Lat. 19½°N, Long. 93½°E, was of small extent and fairly severe. While crossing the coast close to Kyaukpyu at about 14 hours of the 10th, the storm did much damage to the port and town. It weakened and by the morning of the 11th had become a shallow depression.

It caused fairly widespread rain with locally heavy falls in Central and south Burma on the 8th, 9th and 10th.

15. *Storm of 15th to 18th November, 1930.*—After the disappearance of the storm of the period 7th to 10th November, which crossed the coast near Kyaukpyu, unsettled conditions gradually re-appeared in the south of the Bay by the evening of the 14th November. The *S. S.* '*Chakrata*,' reported north-easterly wind of force 9 from Lat. 13½°N, Long. 92½°E at 19 hours. On the following morning a fairly regular anticlockwise wind circulation round a central region near Lat. 10°N, Long. 88°E had been established with strong northeasterly winds in the neighbourhood of Diamond and Table Islands, there being a continuous drizzle with overcast sky at Port Blair. On the morning of the 16th pressure was still above normal in the whole of the Bay of Bengal, but other meteorological data indicated that a depression was forming with centre near Lat. 12°N, Long. 87°E. *S. S.* '*Sandriken*' had a NE wind of force 6 near Lat. 12°10′N, Long. 85°53′E and *S. S.* '*Chakrata*' a fresh SW wind near Lat. 10½°N, Long. 87½°E while at Port Blair the winds were as follows :—

	Ground.	0·5 Km.	1·0 Km.
Direction	ESE	SE	SE
Force	4	7	7

The following ship's log appear to show that the depression intensified into a storm by the noon of the 16th—

Date.	Steamer.	Hour.	Position.		Wind.		Remarks.
			Lat.	Long.	Dir.	Force.	
November 16th.	'Jalajyoti' (from Tuticorin to Calcutta)	Noon	14° 05′ N	85° 05′ E	NNE	7	Sea rough, heavy northeast swell, heavy rainsqualls.
		13	..	..	NE	10	
		14	..	..	NE	8	Sea rough, heavy northeast swell; heavy rainsqualls.

By 2 hours of the 17th a large concentrated pressure fall occurred in the southwest Bay over which region the pressure for the first time fell below normal. By 11 hours on the morning of the 17th, the storm had its centre very near Lat. 13°N, Long. 84°E and the upper winds at least up to 1 Km. level at Madras was of storm force from northnorthwest. It crossed the coast near Masulipatam at about 8 hours on the morning of the 18th and the deficiency of pressure at the centre in this position was about ·5″. The following ship's log is interesting in this connection :—

Date.	Steamer.	Hour.	Position.		Wind.		Remarks.
			Lat.	Long.	Dir.	Force.	
November 18th.	'City of Auckland' (From Madras to Coconada).	Noon	16° 48′ N	82° 28′ E	..	..	
		4	..	..	S	10	High sea, overcast, squally.

When approaching the coast the storm caused very heavy rain locally on the north Madras coast causing serious floods, which resulted in damage to standing crops and breaches in the railway lines in that part.

After crossing the coast the storm soon weakened into a depression, which however continued to travel northwards and lay over southeast of the Central Provinces on the morning of the 19th. Thereafter the residual depression recurved to northeast and by the morning of the 20th it had again deepened and lay as a trough of very low pressure area extending from Puri to Dacca. Weather was markedly unsettled near the mouths of the Hooghly on the 20th.

By the morning of the next day heavy rain had fallen along the Chittagong-Arakan coasts and thereafter the depression became unimportant.

Fairly widespread and locally heavy rain occurred along and near the track of the depression between the 18th and 21st.

16. *Severe storm of 27th to 29th November 1930.*—On the afternoon of the 25th November the sudden marked strengthening of the northeasterly upper winds at Port Blair at 0·5 Km. level (the height up to which observations were possible) and the increase of rainfall on the southeast Madras coast indicated a revival of the monsoon in the south of the Bay. The rainfall continued locally on the southeast Madras coast, and by 8 hours on the 26th an appreciable fall of pressure was recorded apparently over most of the south Bay. The pressure fell progressively over the region extending from Ceylon to the Andamans and by the morning of the 27th a fairly regular cyclonic circulation was established in the south Bay to the east of Ceylon.

By the evening of the 27th the low pressure area had concentrated into a deep depression, the centre of which lay near Lat. 9½°N, Long. 85½°E at 19 hours.

The following extract from the log of *S. S.* "*City of Carlisle*" is interesting in this connection :—

S. S. "*City of Carlisle.*"

November 27, Noon position—Lat. 8°35′N, Long. 84°36′E.

Hour.	
12-15 P.M. . .	Wind shifts to SW in heavy rain squalls.
4-0 P.M. . . .	Moderate gale WSW 7, high rough sea and swell, increasing wind and heavy gusty rainsqualls, overcast and cloudy, vessel pitching and rolling and shipping seas fore and aft. Warning issued of storm forming east of Ceylon. Local conditions seemingly indicate that centre was not far to N'd of steamer. Accordingly steered S 22 W till midnight when weather was decidedly better.
8-0 P.M. . . .	WSW 7 moderate gale, high rough sea and swell.
Midnight . . .	WSW 7.

The following ships' observations show that the depression intensified rapidly into a storm of severe intensity by the early morning of the 28th with its centre near Lat. 10°N, Long. 84°E at 7 hours—

Date.	Steamer.	Hour.	Position.		Wind.		Remarks.
			Lat.	Long.	Dir.	Force.	
November 28th.	'Hatipara'	7	8° 30′ N	82° 30′ E	W	9	Sea rough.
	'Nirpura' .	7	10° 30′ N	84° 30′ E	SSE	7	Sea rough, moderate swell, squally.
	'Axenfels'	7	12° 30′ N	82° 30′ E	ENE	10	

The storm moved northwestwards and was centred at 8 hours on the 29th about 50 miles almost due south of Madras. *S. S.* '*Mulbera*,' near Lat. 12½°N, Long. 80½°E had an SSE wind of gale force at 8 hours, while Madras recorded an easterly wind of force 6 and Cuddalore a WSW wind of force 7 ; the deficiencies of pressure at both these stations were of the order of ·4″.

It weakened after entering inland and lay as a shallow depression over the extreme south of the Peninsula on the 30th morning. Upper winds at 1 Km. at Mangalore veered and at Trivandrum backed after 8 A.M. on the 30th and had become light to moderate easterly to northeasterly at the former place, and northwesterly to westerly at the latter on the 1st morning. This indicated a westward movement of the depression and its centre at 8 hours on the 1st was within a degree of Lat. 10°N and Long. 75°E.

The centre of the depression remained practically stationary till the 2nd morning, when it began to move further westwards. By that morning, upper winds at Trivandrum upto Cumulo-Nimbus level had become mainly southwesterly but were light, while those at Mangalore up to 1 Km. were moderate to strong SE-ly to E-ly. The depression did not intensify after passing out into the Arabian Sea, apparently because the supply of moist air as indicated by the upper winds at Trivandrum remained feeble.

By the 3rd morning, winds at Aminidevi, which were northeasterly on the 2nd morning, had veered to southeast ; there was also a rainfall of 1½″ in the previous 24 hours. The depression had weakened by the 3rd morning and its centre at 8 hours lay within a degree of Lat. 10°N and Long. 73°E, and in the course of that day, it weakened further, only a feeble front being noticed on the 4th morning. This front extended westwards to about 250 miles to the south of Socotra Island by the 7th morning and became unimportant thereafter.

The telegraph lines were considerably damaged in the neighbourhood of the south Coromandel coast. There were many breaches in the railway lines and much damage to crops and property in southeast Madras.

The storm was also responsible for widespread and very heavy rain in south Madras between 28th November and 2nd December, some of the notable falls in 24 hours ending at 8 hours on the 29th and 30th being :—

29th . { 10″ each at Merkanam and Vanur (South Arcot).
9″ at Cheyyar and 10″ Wandiwash (North Arcot).
11″ at Cheyur, 8″ each at Madurantakam and Saidapet and 7″ each at Kovelong and Poonamallee (Chingleput).
7″ at Madras.

30th . { 9″ at Chittoor, 8″ at Kalahasti and 7″ each at Tirupati, Pakala and Ramapuram (Chittoor).
12″ at Vellore (North Arcot).

17. *Depression of the 19th to 22nd December, 1930.*—By the morning of the 16th December unsettled conditions appeared in the south Bay about midway between Ceylon and Car Nicobar. *S. S.* '*Rajula*' at 3 hours reported moderate seas with moderate swell, squally weather and wind from NE of force 7 from Lat. 8½°N, Long. 86½°E. The pressure was below normal over the Andaman Sea, in which region pressure fell markedly during the next 24 hours, and by 8 hours of the 18th a shallow low pressure area appeared over the Andaman Sea. By the morning of the 19th unsettled conditions had become more marked in the neighbourhood of Car Nicobar, and were apparently intensifying into a depression with the central region near Car Nicobar. Port Blair recorded a heavy rainfall of 5″ on that day.

In the course of the next 24 hours, a depression had formed with its centre near Lat. 10°N, Long. 92°E at 8 hours on the 20th. Port Blair reported a moderate sea and a moderate southeasterly breeze and *S. S.* '*Shwedagon*' experienced a northeasterly wind of force 7, rough seas and squally weather near Lat. 13½°N, Long. 91½°E, whilst *S. S.* '*Pasha*,' near Lat. 9½°N, Long. 88°E experienced a moderate NW wind, squally weather and moderate sea.

By the morning of the 21st the depression was centred near Lat. 11°N, Long. 91°E. Without intensifying further it began to move westwards and by the morning of the 22nd its centre was near Lat. 11°N, Long. 87°E. It then began to weaken and by 8 hours on the 23rd lay as a diffuse area of low pressure east of Ceylon and became unimportant thereafter.

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—5 . .	A few light falls of snow in north Baluchistan and Kashmir on the 3rd.
2	8—16 . .	A few light showers in north Baluchistan on the 8th and 9th and fairly widespread rain along the frontier and Kashmir between the 10th and 12th. It lay as a low pressure area over the Punjab on the 13th morning and moving eastwards became unimportant over Assam by the 16th. It was responsible for widespread rain from the Punjab to Assam between the 12th and 16th.
3	19—20 . .	No precipitation : passed away eastwards through the extreme north.
4	21—23 . .	A few light showers in north Baluchistan on the 21st, local rain in Baluchistan, with a few falls in Kashmir, on the 22nd and 23rd.
5	23—26 . .	A few falls in south Baluchistan on the 23rd; nearly general rain in Kashmir and local rain in Baluchistan and the North-West Frontier Province on the 24th; nearly general rain in Kashmir, with scattered falls in Baluchistan and Sind, on the 25th. In the wake of this disturbance, unsettled conditions appeared over northwest India, which were responsible for fairly widespread rain along the frontier and in Kashmir between the 26th and 31st, and from the Punjab to Assam on the 31st and 1st of February.
	February.	
6	4—5 . .	A few light falls along the Punjab-Kumaon hills.
7	6—10 . .	Widespread rain or snow in north Baluchistan on the 7th and local rain along the frontier and a few falls in Kashmir on the 8th. It lay as a depression over south Rajputana on the 9th, when widespread rain fell over the region extending from the east and north Punjab to the east Central Provinces. Moving eastwards, this depression caused local rain in Chota Nagpur and Orissa, with a few falls in Bengal and Assam, on the 10th and filled up by the morning of the 11th.
8	12—20 . .	Gave no precipitation up to the 17th; but induced a low pressure area over Baluchistan by that date, which extended to the south Punjab by the 19th morning and caused a few falls in the North-West Frontier Province on the 18th and local rain or snow in Kashmir and a few falls in the North-West Frontier Province and the Punjab hills on the 19th.
9	20—21 . .	Local rain in the North-West Frontier Province, Kashmir and the north Punjab on the 20th and a few light showers in the Punjab hills on the 21st.
10	25—2nd March .	Caused wet weather in the North-West Frontier Province, Kashmir and the east and north Punjab between the 25th and 28th, rainfall being nearly general in Kashmir on the last three days of the month of February; Sonamarg recorded 4″ on the 27th and again on the 28th. A few light falls also occurred in the Punjab hills and Kashmir on the 1st March.
	March.	
11	5—10 . .	Widespread rain over the frontier and along and near the western Himalayas between the 5th and 7th, and in north Bengal, Assam and Upper Burma on the next three days.
12	10—13 . .	Extensive rain or snow in north-east Baluchistan, the North-West Frontier Province and Kashmir between the 10th and 12th.
13	17—18 . .	No precipitation.
14	21—25 . .	Scattered thundershowers along the north-west frontier on the 21st and in Assam and Burma between the 23rd and 25th.
15	26—28 . .	A few light falls in the North-West Frontier Province on the 26th and local rain in Assam and Bengal on the 27th.
16	28—31 . .	Nearly general rain along the frontier and in Bengal and Assam, with scattered thundershowers over the rest of northern India, between the 28th and 31st.
17	31—2nd April .	Local thundershowers in the Central Provinces on the 1st and 2nd, and in the east United Provinces, Bihar and Orissa and Bengal on the latter date.
	April.	
18	2—7 . .	Nearly general rain along the frontier, with a few falls in the north Punjab and Kashmir, on the 3rd and local rain in the North-West Frontier Province and along the western Himalayas on the 4th. It lay as a low pressure area over the United Provinces and Central India on the 5th morning, which during its eastward movement caused widespread rain along the Orissa-Ganjam coast and in Assam, with scattered falls in Bihar, Chota Nagpur, Bengal and Burma, between the 5th and 7th.
19	6—9 . .	Extensive rain along the frontier, in the north and central Punjab and over the western Himalayas between the 6th and 8th and in Assam on the 9th, with a few falls in Bengal on the last date.
20	16—21 . .	A few falls of rain along the frontier between the 18th and 20th and in Kashmir on the 19th, 20th and 21st.
21	23—26 . .	Local rain in the North-West Frontier Province and Kashmir on the 23rd and nearly general rain on the next two days, with a few falls along and near the Punjab hills, between the 24th and 26th.
22	27—28 . .	A few falls of rain in the North-West Frontier Province on the 28th.

	May.	
23	1—3 . .	Local rain in Kashmir on the 2nd.
24	11—13 . .	Widespread rain along the western Himalayas on the 11th and 12th and a few falls in the east and north Punjab and along and near the Kumaon hills on the 13th.
25	25—26 . .	Local rain in the North-West Frontier Province on the 25th, and in Kashmir and along the Punjab hills on the 25th and 26th.
26	28—29 . .	No precipitation.
27	30—31 . .	Local rain in Kashmir, with a few falls in the North-West Frontier Province on the 30th.
	June.	
28	1—2 . .	Nearly general rain in Kashmir, with a few falls along the Punjab hills on the 1st.
29	8—10 . .	A few light falls of rain in Kashmir on the 8th, 9th and 10th.
	July and *August*.	No well-defined western disturbances.
	September.	
30	16—17 . .	Light rain in Kashmir on the 16th and 17th.
31	19—20 . .	Fairly widespread rain in Kashmir on the 19th and light rain there on the 20th.
	October.	
32	8—9 . .	Light rain in north Baluchistan on the 8th and in Kashmir on the 9th.
33	13—17 . .	Light local rain in Kashmir on the 13th and 14th and nearly general rain in the North-West Frontier Province, with a few falls in the north Punjab on the 14th.
34	18—19 . .	Local rain in Kashmir, with a few falls in the North-West Frontier Province on the 18th and 19th.
35	21—23 . .	Loca rain in Kashmir on the 21st and a few falls there on the next two days.
36	26—27 . .	A few light showers in north Baluchistan on the 26th.
37	28—31 . .	A few light falls in north Baluchistan on the 28th, in the North-West Frontier Province on the 29th and in Kashmir on the 30th and 31st.
	November.	
38	7—8 . .	No precipitation.
39	14—16 . .	No precipitation.
40	17—18 . .	No precipitation.
41	22—24 . .	Local rain in the North-West Frontier Province on the 23rd and a few light thundershowers there and in Kashmir and the east and north Punjab on the 24th.
42	28—29 . .	No precipitation.
	December.	
43	2—3 . .	Local rain in the North-West Frontier Province on the 2nd and a few light showers in Kashmir on the 3rd.
44	11—14 . .	Local rain or snow in Kashmir on the 12th and 13th, and light showers of rain in the North-West Frontier Province and in the north Punjab hills on the 12th.
45	17—18 . .	No precipitation.
46	25—26 . .	No precipitation.
47	28—31 . .	Widespread snow on the western Himalayas and nearly general rain in the sub-montane districts of the east Punjab and the west United Provinces, and in east Central India and Bihar, with local rain in the east United Provinces and the east Central Provinces and a few falls in Chota Nagpur and north Bengal between the 28th and 30th.

LOCAL STORMS.

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

March 6th.—Strong winds capsized a boat containing twentyfive passengers in the river Meghna near Noakhali; six persons were reported to be missing.

March 9th.—Extensive damage to property was caused at Comilla (Bengal) by a nor'wester, which passed over the town on the 9th.

March 16th.—Calcutta and its suburbs were visited on the afternoon of the 16th by a severe thunderstorm, which was accompanied by a shower of rain and hail. Two persons and several trees were struck by lightning.

March 25th.—Out of ten passengers, five were drowned while crossing the Brahmaputra at Dhubri in a country boat, which capsized in mid-stream during a thunderstorm.

April 14th.—A severe thunderstorm accompanied by heavy rain passed over Poona on the evening of the 14th April. The roofs of four or five houses were blown off by strong winds and telegraph lines collapsed at many points over the city.

April 27th.—A violent nor'wester squall in the evening sank the *S. S. 'Condor'* in the Jumna river near Nagabari (east Bengal), and about 182 lives and mails were lost in the disaster.

A nor'wester squall was responsible for the loss of six lives and damage to buildings of the H. E. School, the Posts and Telegraphs Office and the charitable dispensary at Kalihati (Mymensingh, Bengal).

May 5th.—Two students were reported to have been killed by lightning during a severe thunderstorm, which passed over Comilla (Bengal) on the 5th afternoon. On the same night,

a severe hail-storm at Chittagong, lasting for about half an hour, caused serious damage to property and crops. Some of the hail stones were reported to have weighed two pounds each.

May 26th.—During a severe thunderstorm in the afternoon, the church on Grand Trunk Road, Asansol (Bengal) was struck by lightning and a portion of the building collapsed. One man who was taking shelter in the porch was killed. A traveller was reported to have been killed by lightning in Tripur, when an evening thunderstorm accompanied by hail passed over that place. Strong winds were responsible for the derailment of a railway train on the Bengal and North Western Railway between Sahebpur Kamal and Lakshemania on the 26th evening, resulting in the death of two passengers and injuries to four others.

*June 4th.**—A duststorm at Rawalpindi was responsible for temporary disorganisation of telegaphic communication.

June 7th.—There was a severe thunderstorm near Vadgaon, a town in Kolhapur State, and lighnting struck two women, who were killed on the spot.

June 9th.—Three persons in a village in north Travancore were reported to have been buried in a house, which was burnt down after being struck by lightning. Three men were struck by lightning in a house at Nasik in the aiternoon when a heavy thunderstorm accompanied with rain passed over the place.

June 10th.—At 6 o'clock in the evening, a train going from Ahmedabad to Khedbrahma was struck by a storm three miles west of Himatnagar station and some coaches were blown off the track. More than twenty persons were injured and an excise peon was killed.

June 13th.—An R. A. F. aeroplane encountered a severe squall at about 4 P.M. just after leaving the Kohat Aerodrome. The pilot appeared to have lost control and the machine crashed in a field northwest of the aerodrome and burst into flames. The passenger was rescued but subsequently died in hospital of burns and injuries. The pilot was killed.

A severe sandstorm passed over Lahore in the evening of the 13th, uprooting trees and damaging buildings.

June 21st.—Houses and trees were uprooted and one man was seriously injured by a nor'wester which swept over some 15 miles north of Noakhali.

June 26th.—Two persons, a father and his son, died as a result of being struck by lightning in their house in the village of Rasalgad in Khed Taluka, where a thunderstorm passed. Seven heads of cattle also perished.

June 27th.—Karachi had two violent squalls bringing with them heavy rain and thunder and lightning. Considerable damage was done in various parts of the city. Several houses collapsed and trees crashed into the streets in many places. Electric current failed in many quarters of the city.

June 29th.—A thunderstorm, accompanied by dust and rain, swept over Trichur in the morning and caused considerable damage. Several palm and other big trees were uprooted.

July 23rd.—A party of three Europeans and six Indians, while proceeding through the Baltal pass to Ladakh, are reported to have been struck by lightning and to have died instantaneously.

July 24th.—A severe thunderstorm followed by torrential rain passed over Dehra Dun, when lightning damaged a military building and stunned six soldiers on duty.

*July 27th.**—Many houses and trees were blown down by a nor'wester, which passed over some villages to the west of Noakhali town (Bengal).

August 4th.—The Victoria Memorial, Calcutta, was struck by lightning during a severe thunderstorm. Large pieces of marble were broken off the equestrian statue of King Edward VII and hurled fifteen yards, but the main building was saved by lightning conductors.

*August 20th.**—A sudden thunderstorm turned turtle a country boat on the river Hooghly. Thirtytwo men were believed to have been drowned.

September 5th.—A severe thunderstorm passed over Calcutta on the 5th. Motorists driving towards the northern parts of the city encountered severe squalls of wind and rain. One and a half inches of rain fell in twenty minutes. All the low-lying parts of the city were flooded.

October 5th.—In the evening a thundersquall passed over Tripur followed by rain and hail. Some houses were damaged and several sheep and goats were said to have been carried away by the winds.

October 6th.—Very strong winds blew over Hyderabad (Sind) in the evening. Considerable damage was done to crops and fruit orchards.

October 28th.—A severe thunderstorm passed over Madras at about 10 A.M. There was a heavy downpour for about an hour. A flash of lightning, which was followed by a very loud peal of thunder, struck the Banqueting Hall buildings of the Government House and cracked the ornamental gable at the top of the building on the northern side.

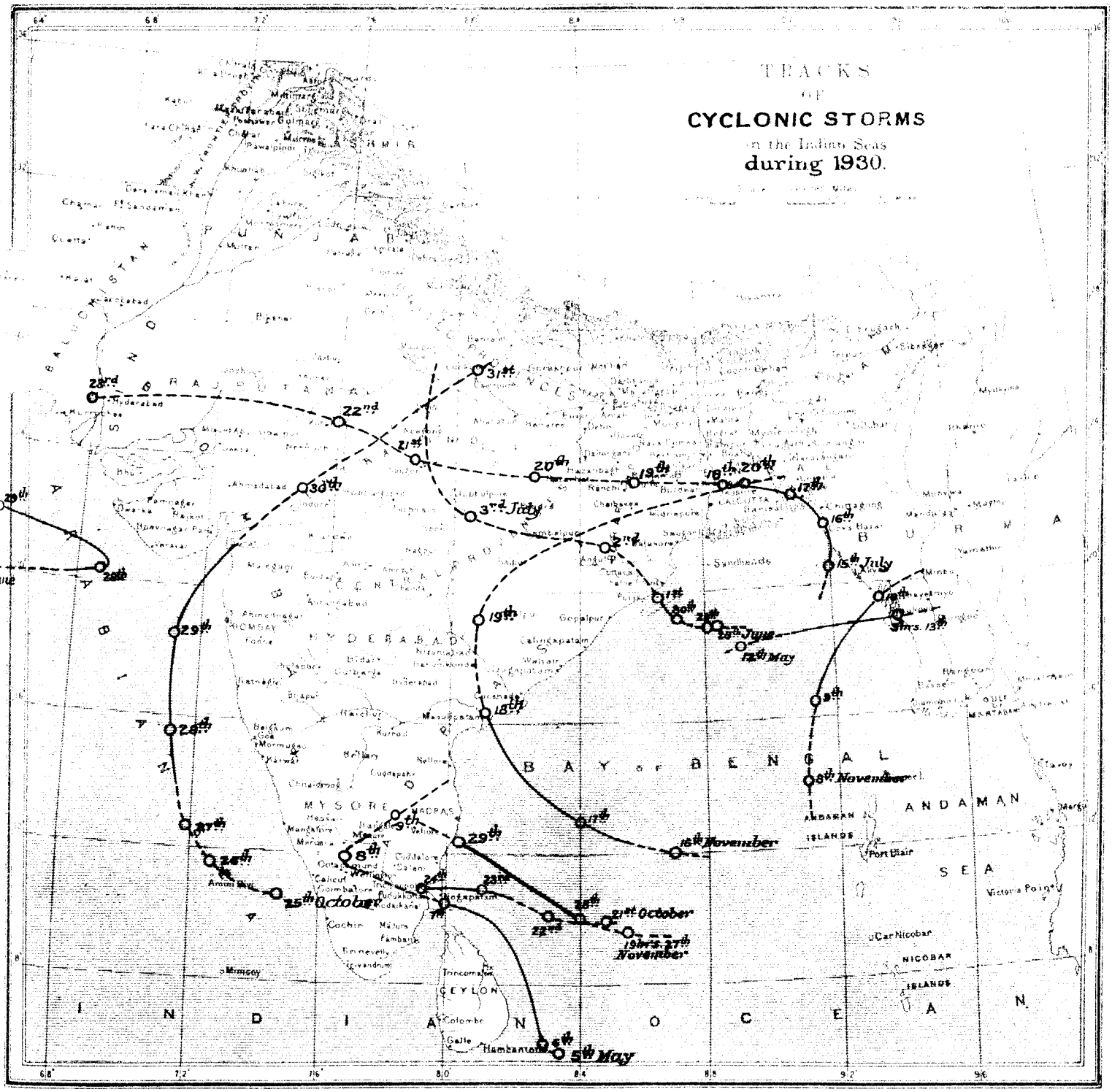
* These are the dates on which the phenomena were reported in news papers and may not be the actual dates of occurrence.

WINDS OF FORCE NINE OR MORE IN INDIAN SEAS.

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 1930 on the following occasions :—

Date.	Name of ship.	Approximate Position.	
		Latitude.	Longitude.
		°N	°E
21st April .	City of Adelaide . .	12	43
3rd June . .	Benton . . .	20	89
4th June .	Benton . . .	17	92
1st July . .	Alavi	23	67
2nd July . .	Padua . . .	13	58
3rd July . .	Padua . . .	13	58
7th July . .	Ranpura . . .	18	61
9th July . .	Frauenfels . . .	12	55
16th July . .	Lauterfels . . .	16	60
31st July . .	Falkenfels . .	13	56

M GIPC—M—VIII-2-25—3-2-32—350



See Number Plate

----- Depression ——— Storm ——— Severe Storm

GOVERNMENT OF INDIA

METEOROLOGICAL DEPARTMENT

INDIA WEATHER REVIEW

ANNUAL SUMMARY FOR 1930

PART D

ANNUAL TABLES

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UNDER THE DIRECTION OF

C. W. B. NORMAND, M.A., D.Sc.,

Director General of Observatories

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CENTRAL PUBLICATION BRANCH
1931

Table D-1.--Abstract of observations taken at 10 hrs. (local time) and 16 hrs. (local time) or 17 hrs. (I. S. T.) at 14 stations in the year 1930.

MONTHLY AND

Abstract of observations taken at 10 hrs. (local time)

Station and height of bar cistern above sea level in feet.	Month.	Pressure Reduced to 32° F. and standard gravity.					Temperature of Air.								Temperature wet bulb.		Nocturnal Radiation Temperature.		
		Mean 10 hrs.	Mean 17 hrs.	Mean daily range.	Mean of daily mean pressure.	Departure from normal.	Mean maximum.	Mean minimum.	Highest maximum.	Lowest minimum.	Mean 10 hrs.	Mean 17 hrs.	Mean of daily means.	Departure from normal.	Mean 10 hrs.	Mean 17 hrs.	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
Lahore (Punjab) (702).	January*	29·322	29·232	·090	29·268	—·023	63·9	42·0	70·8	34·1	53·0	62·5	51·0	—2·0	48·2	53·4	31·2	9·9	+0·1
	February	·312	·221	·091	·258	+·012	72·2	48·5	84·0	39·0	62·3	71·0	59·2	+1·9	55·7	58·9	38·9	9·6	0
	March	·137	·054	·083	·092	—·040	86·1	56·2	98·0	47·0	75·9	85·1	70·4	+1·4	62·0	64·9	45·0	11·0	+1·7
	April	·067	28·970	·097	·015	+·015	92·3	65·7	103·0	55·0	83·3	90·3	78·6	—2·3	67·4	68·8	56·2	9·5	0
	May	28·949	·846	·103	28·894	+·024	104·9	75·3	113·0	67·0	96·0	103·4	89·8	+0·9	73·9	75·1	64·5	10·8	+1·7
	June	·831	·718	·113	·771	+·033	105·7	80·0	113·0	69·0	96·2	103·9	92·5	—0·5	77·8	79·0	73·2	6·8	+0·2
	July	·790	·699	·091	·744	+·011	94·5	79·3	106·0	73·0	87·7	92·4	86·0	—3·1	81·5	83·1	76·1	3·2	—0·9
	August	·845	·753	·092	·794	—·005	98·6	79·9	105·0	73·0	91·3	97·4	88·4	+1·3	81·1	82·1	76·2	3·7	—0·5
	September	29·017	·917	·100	·959	+·022	97·5	72·7	103·0	63·0	89·1	96·5	84·1	—0·7	76·2	77·7	65·6	7·1	+0·4
	October	·186	29·089	·097	29·127	+·013	94·6	63·0	101·0	54·0	83·7	91·9	77·4	+1·7	67·9	71·2	52·3	10·6	+0·6
	November	·372	·251	·121	·302	+·051	81·8	48·0	86·0	44·0	69·7	77·9	62·9	—0·3	58·8	64·2	37·1	11·0	+0·1
	December	·363	·279	·084	·311	—·009	73·0	40·0	79·0	32·0	57·9	70·2	54·3	—0·3	50·2	57·4	27·6	12·4	+2·2
	Year	29·099	29·002	·097	29·044	+·008	88·8	62·5	113·0	32·0	78·8	86·9	74·6	—0·1	66·7	69·7	53·7	8·8	+0·5
Jaipur Rajputana (1,431)	January	28·596	28·488	·108	28·531	—·007	72·1	48·1	85·0	39·3	64·5	69·2	58·7	—1·2	51·6	54·0	..	..	..
	February	·594	·486	·108	·529	+·037	80·6	51·3	92·7	39·7	71·8	78·4	64·8	+0·6	55·0	56·8	..	..	..
	March	·457	·346	·111	·393	—·014	92·0	60·6	100·3	52·3	83·5	89·8	75·9	+1·0	59·9	61·7	..	..	..
	April	·385	·272	·113	·324	+·023	98·0	69·9	107·5	62·6	90·3	95·9	83·9	—2·4	64·6	65·5	..	..	..
	May	·292	·175	·117	·231	+·033	104·9	77·0	111·1	64·6	96·2	102·3	90·1	—1·5	70·4	69·8	..	..	..
	June	·170	·059	·111	·118	+·031	101·6	79·6	109·8	68·9	93·9	97·1	89·4	—1·2	75·4	73·8	..	..	..
	July	·137	·042	·095	·090	+·021	90·2	76·4	97·1	72·8	83·8	87·4	82·1	—2·6	77·1	78·1	..	..	..
	August	·218	·123	·095	·173	+·040	91·0	74·6	98·1	71·8	84·5	88·5	81·2	—1·1	75·5	76·6	..	..	..
	September	·334	·223	·111	·276	+·018	98·1	74·3	103·7	66·0	91·1	95·4	84·7	+2·3	72·9	72·3	..	..	..
	October	·487	·384	·103	·428	+·015	95·3	66·7	102·2	57·1	88·6	93·0	79·7	+1·8	66·5	66·6	..	..	..
	November	·622	·523	·099	·562	+·046	83·8	54·2	87·2	49·1	77·7	79·7	67·1	—1·8	59·7	60·9	..	..	..
	December	·637	·541	·096	·576	+·012	78·5	47·0	83·4	39·1	71·0	73·6	60·8	—0·7	53·8	55·7	..	..	..
	Year	28·411	28·305	·106	28·353	+·022	90·5	65·0	111·1	39·1	83·1	87·5	76·5	—0·6	65·2	66·0	..	..	..

* Observations for 16 hrs.

ANNUAL TABLE D-1 FOR 1930.

and 17 hrs. (I. S. T.)

Vapour tension in inches of mercury.				Humidity.				Cloud.				Wind direction. Total number of 10 hrs. and 17 hrs. winds from											Wind velocity.	
Mean 10 hrs.	Mean 17 hrs.	Mean of daily means.	Departure from normal.	Mean 10 hrs.	Mean 17 hrs.	Mean of daily means.	Departure from normal.	Mean 10 hrs.	Mean 17 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
·277	·290	·277	+·008	68	51	74	+4	5·1	6·3	5·7	..	29	4	2	0	6	1	0	3	17	N 38° W	..	24	—6
·361	·339	·345	+·058	64	46	67	+5	4·3	4·7	4·5	..	20	5	4	1	8	0	1	3	12	N 4° W	..	30	—9
·375	·349	·367	+·007	43	29	48	—6	3·1	2·8	2·9	..	22	3	4	3	3	0	1	12	16	N 52° W	..	36	—15
·460	·418	·436	+·071	42	29	47	+6	3·9	4·1	4·0	..	12	0	8	2	7	2	3	3	23	N 35° W	..	45	—11
·540	·481	·529	+·075	33	23	38	+2	1·7	2·0	1·9	..	18	2	5	2	5	1	5	3	21	N 45° W	..	46	—10
·707	·650	·708	+·081	43	30	46	+2	1·8	2·2	2·0	..	15	4	8	5	7	4	9	3	5	S 49° E	..	53	—10
·994	·997	1·009	+·146	77	65	79	+14	6·9	6·2	6·5	..	30	1	7	3	13	3	1	2	2	S 67° E	..	36	—24
·923	·880	·920	+·036	63	50	66	—5	2·2	3·0	2·6	..	29	0	3	4	6	3	12	2	3	S 11° E	..	29	—20
·733	·700	·721	+·003	54	40	58	—3	1·6	0·9	1·3	..	23	3	4	3	12	2	3	3	7	S 67° E	..	34	—3
·473	·481	·469	+·024	42	34	53	+1	1·6	0·9	1·3	..	34	0	8	2	9	0	3	4	2	S 78° E	..	26	—2
·352	·415	·365	+·049	49	44	62	+5	1·3	1·7	1·5	..	45	0	1	0	2	0	0	4	8	N 55° W	..	13	—10
·263	.292	·258	—·013	54	40	59	—4	2·4	3·0	2·7	..	49	2	1	0	2	0	0	1	7	N 32° W	..	14	—9
·538	·524	·536	+·045	53	40	58	+2	3·0	3·1	3·1	..	326	24	55	25	80	16	38	43	123	..	..	32	—11
·216	·223	·214	—·054	36	31	46	—10	2·3	4·2	3·2	..	16	7	6	1	3	4	8	8	9	N 65° W	..	41	—17
·215	·181	·201	—·061	29	19	37	—10	1·8	2·5	2·1	..	4	10	1	2	4	5	7	11	12	N 72° W	..	56	—10
·207	·177	·193	—·112	18	13	26	—13	0·5	1·7	1·1	..	1	10	1	2	2	3	8	16	19	N 65° W	..	59	—20
·272	·222	·258	—·075	19	13	25	—5	2·8	3·1	2·9	..	5	4	3	3	3	3	8	16	15	N 76° W	..	65	—23
·397	·293	·355	—·093	25	16	30	—5	0·2	1·2	0·7	..	1	3	2	3	1	4	8	26	14	N 84° W	..	91	—19
·616	·521	·578	—·078	41	33	46	—6	2·6	3·9	3·3	..	9	6	6	6	3	1	8	14	7	N 62° W	..	77	—42
·838	·832	·835	+·001	73	65	77	+1	8·3	8·0	8·1	..	6	3	4	4	0	3	8	26	3	N 84° W	..	76	—19
·761	·752	·75	—·057	65	58	69	—9	5·7	6·2	5·9	..	6	1	5	2	1	2	6	26	13	N 79° W	..	60	—22
·567	·488	·544	—·148	40	31	48	—21	1·8	2·4	2·1	..	1	12	10	7	0	1	1	6	22	N 14° W	..	69	—5
·358	·312	·334	—·068	25	23	39	—7	1·3	1·9	1·6	..	6	6	6	4	2	3	7	12	16	N 57° W	..	51	—3
·275	·284	·266	—·031	29	28	43	—4	0·6	0·9	0·7	..	16	3	1	11	3	6	3	7	10	N 74° W	..	31	—16
·188	·207	·180	—·087	25	25	38	—15	0·5	1·5	1·0	..	14	9	4	8	3	5	6	8	5	N 34° W	.	40	—11
·409	·374	·393	—·072	36	30	44	—9	2·4	3·1	2·7	..	85	74	49	53	25	40	78	176	150	..	..	60	—17

MONTHLY AND

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

Station and height of bar cistern above sea level in feet.	Month.	Pressure Reduced to 32° F. and Standard Gravity.					Temperature of Air.								Temperature Wet Bulb.				Nocturnal Radiation Temperature.		
		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 months.	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
Calcutta (Bengal). (21)	January	30·016	29·882	·134	29·939	—·024	77·6	55·4	86·7	49·4	68·9	76·5	65·5	+0·3	53·8	61·0	62·5	59·1	48·1	6·9	—0·4
	February	·008	·874	·134	·933	+·031	83·5	61·6	93·9	50·6	74·5	82·4	71·7	+1·4	58·8	64·5	65·6	63·0	54·7	6·7	—0·3
	March	29·847	·707	·140	·771	—·030	93·2	71·0	99·1	62·8	84·7	91·3	81·2	+1·9	66·2	72·8	71·5	70·2	64·2	6·6	+0·5
	April	·765	·630	·135	·697	+·001	98·1	77·2	106·9	70·4	90·2	95·5	87·0	+2·0	71·9	77·1	76·4	75·1	72·6	4·5	0
	May	·666	·544	·122	·607	+·001	95·3	78·9	101·6	72·4	89·2	92·7	86·8	+1·1	75·0	81·4	81·5	79·3	76·4	2·7	—0·5
	June	·566	·463	·103	·520	+·026	93·3	79·5	100·7	73·1	88·0	92·7	86·1	+1·6	77·2	81·6	81·4	80·1	77·1	2·2	0
	July	·486	·396	·090	·447	—·038	88·8	78·9	94·5	76·2	84·6	85·0	83·5	+0·5	77·6	80·4	80·3	79·4	77·3	1·6	—0·3
	August	·573	·482	·091	·530	—·006	83·3	79·1	92·1	76·4	84·7	84·5	83·4	+1·0	77·6	80·5	80·3	79·5	77·2	1·8	—0·2
	September	·679	·584	·113	·641	+·004	89·7	79·3	93·7	76·2	86·0	85·4	84·2	+1·6	77·4	80·8	80·3	79·6	76·9	2·3	—0·3
	October	·892	·580	·112	·832	+·047	89·7	76·5	92·9	72·6	85·8	87·3	82·6	+2·6	74·5	77·7	77·3	76·5	72·4	4·0	—0·4
	November	·991	·879	·112	·931	+·022	81·5	66·1	90·3	60·4	76·6	79·3	73·2	+0·8	64·2	68·6	68·9	67·2	61·3	4·7	—1·6
	December	30·036	·916	·120	·970	—·003	77·7	55·8	80·8	51·0	70·9	76·2	65·7	+0·4	54·4	61·9	62·5	59·6	51·3	4·3	—3·3
	Year	29·795	29·678	·117	29·735	+·003	88·1	71·6	106·9	49·4	82·0	85·7	79·2	+1·2	69·1	74·0	74·0	72·4	67·5	4·0	—0·6
Srinagar (Kashmir). (5,204)	January	24·993	24·908	·085	24·942	—·017	36·0	26·1	43·3	17·8	30·2	33·6	29·1	—1·6	24·8	29·2	31·8	28·6	23·1	2·6	—4·6
	February	25·046	·968	·078	25·003	+·098	33·0	23·9	42·5	11·2	27·7	31·1	26·7	—6·3	22·5	26·8	29·7	26·3	21·2	2·3	—5·0
	March	24·915	·836	·079	24·870	—·002	58·5	39·8	71·4	32·1	49·6	56·4	48·0	+2·9	37·4	45·5	48·9	44·0	34·2	5·3	—3·2
	April	·886	·813	·073	·844	—·008	63·8	45·2	79·0	32·8	55·0	61·5	53·4	—2·3	42·1	50·3	52·1	48·2	39·3	5·8	—3·1
	May	·858	·791	·067	·827	+·045	76·0	52·4	87·8	46·9	66·1	72·6	63·6	—0·3	48·7	58·4	59·8	55·6	45·8	6·5	—3·1
	June	·722	·641	·081	·683	+·019	84·0	58·1	95·8	50·3	78·5	80·7	70·0	+0·1	54·2	63·6	66·0	61·3	51·6	6·4	—3·3
	July	·624	·543	·081	·579	—·019	87·7	66·0	99·2	60·0	77·2	85·3	75·1	+2·1	62·5	69·8	71·7	68·0	61·9	4·2	—5·0
	August	·684	·601	·083	·640	+·004	88·9	62·4	94·0	54·5	78·0	86·6	73·1	+2·3	59·1	69·0	72·2	66·8	57·4	5·0	—3·6
	September	·847	·746	·101	·796	+·025	82·9	52·3	91·1	44·5	69·3	80·0	65·4	+1·4	49·5	61·2	64·0	58·2	47·0	5·3	—5·0
	October	·992	·899	·093	·943	+·040	69·6	43·2	84·6	35·1	57·8	63·7	54·8	+1·6	40·9	51·9	54·3	49·0	37·6	5·6	—4·7
	November	25·045	·939	·106	·987	+·023	63·2	30·8	67·9	26·1	49·1	57·2	45·0	+1·0	29·1	43·9	48·7	40·5	23·6	7·9	—2·3
	December	·038	·943	·095	·982	—·007	51·6	26·0	59·7	19·8	39·8	47·9	37·0	+0·7	24·4	36·8	43·0	34·7	18·5	7·0	—2·1
	Year	24·887	24·802	·085	24·841	+·016	66·3	43·9	99·2	11·2	56·1	63·1	53·4	+0·1	41·3	50·5	53·5	48·4	38·4	5·3	—3·7

ANNUAL TABLE D-1 FOR 1930.

(local time).

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.
23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
·398	·437	·383	·423	—·008	90	61	42	66	—4	2·3	1·8	2·0	+0·5	2	10	4	3	1	2	9	11	20	N 55° W	N 30° W	69	+24
·466	·483	·411	·479	—·006	84	56	38	62	—4	1·2	2·1	1·6	—0·6	1	8	6	1	2	6	11	6	15	N 66° W	N 73° W	68	+10
·600	·652	·515	·629	—·014	78	55	36	61	—6	2·0	1·9	1·9	—0·3	2	1	1	1	2	15	25	9	6	S 44° W	S 60° W	94	+8
·741	·758	·664	·753	—·044	79	53	41	63	—7	2·2	2·6	2·4	—0·2	0	3	1	0	3	19	21	6	7	S 40° W	S 30° W	118	—5
·816	·967	·927	·913	+·030	82	71	61	74	—1	5·3	5·1	5·2	+0·9	1	2	3	4	8	24	19	1	0	S 4° W	S 9° W	105	—16
·914	·993	·961	·967	—·004	91	75	70	81	—2	7·6	7·2	7·4	—0·1	1	0	2	8	15	19	11	3	1	S 14° E	S 3° W	110	+6
·932	·979	·970	·960	—·011	94	83	81	87	0	8·4	8·7	8·5	—0·1	2	1	2	4	16	12	15	4	6	S 5° W	S 1° W	87	—1
·934	·982	·978	·967	0	94	83	83	88	0	9·0	9·1	9·1	+0·4	6	0	2	7	8	20	10	5	4	S 2° W	S 2° E	66	—16
·935	·979	·960	·964	+·012	93	79	79	85	—1	8·1	9·0	8·6	+0·7	3	0	2	20	10	9	10	5	1	S 37° E	S 9° W	77	+6
·844	·841	·800	·848	+·032	98	68	62	77	—5	4·6	4·7	4·7	+0·1	3	0	3	5	4	14	26	6	7	S 32° W	N 18° W	65	+16
·582	·594	·571	·597	+·019	90	65	58	74	0	4·4	5·4	4·9	+2·4	0	7	10	6	1	0	0	4	32	N 20° W	N 12° W	59	+15
·406	·483	·385	·420	—·018	91	57	43	67	—4	1·3	1·3	1·3	—0·5	3	12	5	1	0	0	0	6	35	N 33° W	N 33° W	46	+2
·714	·758	·710	·743	—·001	88	67	58	74	—3	4·7	4·9	4·8	+0·2	24	44	41	60	70	140	151	66	134	..	..	80	+4
·124	·152	·160	·145	—·013	86	90	83	86	+2	9·2	9·2	9·2	+2·0	7	5	0	4	12	4	2	7	21	N 61° W	S 21° E	53	—1
·112	·141	·153	·132	—·042	83	90	86	86	+3	10·0	8·5	9·2	+2·6	3	1	0	2	9	17	7	5	12	S 28° W	S 9° W	50	—11
·202	·265	·267	·232	—·023	83	75	62	73	—8	5·0	6·0	5·5	—0·2	6	9	3	0	10	4	3	11	16	N 58° W	N 24° W	72	—12
·236	·315	·287	·258	—·072	78	73	56	69	—9	6·3	6·3	6·3	+1·3	8	8	5	2	5	3	1	9	19	N 39° W	N 18° W	79	—5
·304	·404	·369	·330	—·112	77	64	50	63	—15	3·7	6·1	4·9	+0·9	14	5	4	2	10	2	0	6	19	N 32° W	N 30° E	59	—16
·381	·484	·482	·461	—·134	74	59	47	61	—18	1·6	4·8	3·2	—0·4	31	5	3	1	9	3	1	1	6	N 66° E	N 9° E	52	—14
·528	·652	·632	·550	—·089	82	70	53	69	—12	4·8	3·6	4·2	+0·2	38	1	1	0	7	1	1	3	10	N 66° W	N 48° W	59	—19
·468	·605	·629	·520	—·093	82	62	50	65	—15	3·2	3·7	3·5	—0·3	29	2	3	1	9	2	1	3	12	N 38° W	N 48° W	47	—16
·326	·457	·414	·369	—·129	82	63	42	62	—18	2·8	2·5	2·7	—0·6	33	6	1	1	7	0	0	4	8	N 23° W	N 33° W	47	—11
·231	·324	·325	·248	—·054	83	69	57	69	—10	4·5	5·3	4·9	+2·2	17	7	3	1	9	3	1	5	16	N 36° W	N 23° W	49	—4
·144	·230	·248	·191	—·042	84	66	53	68	—11	2·1	2·6	2·3	—0·7	28	11	1	0	1	1	0	7	11	N 37° W	N 1° E	36	—9
·119	·191	·223	·170	—·006	83	80	67	76	—5	3·7	4·4	4·1	—1·0	22	5	4	1	7	1	1	5	16	N 34° W	S 36° E	37	—8
·265	·352	·349	·295	—·068	81	72	59	71	—9	4·7	5·3	5·0	+0·5	236	65	28	15	95	41	18	66	166	..	..	53	—11

MONTHLY AND

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

Station and height of bar cistern above sea level in feet.	Month	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
Bombay (Bombay). (37)	January	29·934	29·819	·115	29·881	—·013	82·9	66·1	91·2	60·4	74·5	78·5	73·7	—0·8	60·8	65·9	69·3	65·3
	February	·957	·841	·116	·905	+·033	85·8	66·4	94·2	58·9	75·8	79·8	75·2	+0·4	60·1	65·1	68·8	64·7
	March	·845	·726	·119	·794	—·022	87·0	72·3	93·7	69·1	81·4	83·6	78·1	+0·1	67·9	71·9	73·6	71·1
	April	·786	·679	·107	·743	—·008	90·1	76·6	94·8	73·5	85·2	86·9	82·4	+0·3	72·8	76·3	76·9	75·3
	May	·765	·657	·108	·722	+·009	92·3	81·2	93·8	79·0	87·7	88·8	85·7	+1·1	76·3	79·1	79·4	78·3
	June	·628	·546	·082	·600	—·012	88·4	78·8	93·9	74·3	84·6	84·7	82·4	0	75·8	79·1	78·9	77·9
	July	·670	·606	·064	·649	+·038	85·7	76·8	87·8	74·1	81·9	82·7	79·7	+0·2	74·9	77·6	77·9	76·8
	August	·716	·652	·064	·694	+·026	85·1	76·6	87·6	73·7	80·9	81·8	79·7	+0·3	74·0	76·6	76·6	75·7
	September	·766	·671	·095	·728	—·002	85·9	76·5	91·9	73·1	81·2	82·6	80·1	+0·7	74·9	77·5	77·5	76·6
	October	·825	·716	·109	·779	—·007	90·8	77·6	95·6	71·9	84·4	86·7	82·9	+2·2	74·5	78·1	78·5	77·0
	November	·921	·815	·106	·876	+·024	89·3	72·9	93·4	69·5	80·5	84·3	80·3	+1·0	68·9	71·8	73·1	71·3
	December	·942	·837	·105	·897	+·005	88·0	69·9	94·3	65·2	78·5	82·6	78·1	+1·7	64·5	69·1	71·9	68·5
	Year	29·813	29·714	·099	29·772	+·006	87·6	74·3	95·6	58·9	81·4	83·6	79·1	+0·6	70·5	74·0	75·2	73·2
Madras (Madras). (22)	January	29·965	29·844	·121	29·902	—·024	83·4	68·4	86·2	62·7	79·5	80·6	75·1	—0·2	66·8	72·7	72·4	70·6
	February	·967	·848	·119	·906	+·010	85·7	70·1	91·0	60·4	81·6	82·6	77·0	+0·4	68·2	73·5	73·2	71·6
	March	·867	·739	·128	·803	—·032	90·2	72·5	94·2	67·0	85·4	85·6	79·8	+0·3	70·7	75·8	76·2	74·2
	April	·805	·682	·123	·751	—·004	93·0	77·4	101·1	72·9	89·9	88·3	84·2	+0·1	75·0	78·8	78·8	77·5
	May	·711	·595	·116	·661	—·002	96·9	·1	106·5	73·3	90·4	89·0	86·9	—1·8	75·4	78·4	80·0	77·9
	June	·674	·562	·112	·627	—·002	96·0	79·1	105·7	74·0	89·6	89·1	86·4	—2·0	73·7	77·1	78·3	76·3
	July	·691	·576	·115	·645	—·003	98·0	80·5	102·1	74·9	90·2	93·2	87·7	+2·0	72·5	75·2	76·8	74·8
	August	·710	·602	·108	·665	—·011	96·0	78·1	101·0	73·5	88·5	90·4	86·0	+1·5	72·4	75·8	77·6	75·3
	September	·749	·622	·127	·694	—·013	93·7	77·0	98·8	73·2	87·9	88·1	84·3	+0·4	73·2	77·2	78·2	76·2
	October	·841	·728	·113	·790	+·015	86·0	74·9	91·1	72·4	82·2	82·9	79·2	—1·6	73·9	78·1	78·0	76·7
	November	·887	·792	·095	·842	—·014	82·5	71·9	89·3	65·4	79·4	79·8	76·4	—1·5	70·2	74·5	74·6	73·1
	December	·962	·860	·102	·910	0	83·3	70·7	85·1	64·1	79·7	80·2	76·2	+0·5	68·6	73·5	73·0	71·8
	Year	29·825	29·704	·115	29·766	—·007	90·4	75·0	106·5	60·4	85·4	85·9	81·6	—0·2	71·7	75·9	76·4	74·7

ANNUAL TABLE D-1 FOR 1930.

(local time).

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.
20	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	47
·467	·526	·593	·547	—·044	72	61	61	69	—3	1·3	1·8	1·6	+0·5	0	23	7	15	2	0	0	2	13	N 16° E	N 6° E	158	—16
·441	·479	·562	·517	—·102	67	53	55	62	—9	0·4	0·6	0·5	—0·7	0	15	7	15	3	1	1	1	13	N 23° E	N 1° W	169	—14
·621	·657	·693	·685	—·052	79	61	60	71	—4	0·3	0·5	0·4	—0·9	0	19	2	6	3	1	3	5	23	N 22° W	N 36° W	160	—31
·755	·784	·788	·800	—·041	83	65	62	73	—4	1·1	0·8	1·0	—0·6	1	10	0	0	1	5	9	8	26	N 63° W	N 60° W	156	—29
·841	·876	·877	·878	—·011	79	67	65	73	—3	1·9	2·1	2·1	—0·5	0	7	0	0	0	1	5	21	28	N 61° W	N 83° W	152	—25
·849	·921	·910	·909	—·029	87	78	77	83	0	6·0	6·9	6·5	—0·6	0	0	0	0	1	10	23	17	9	S 71° W	S 63° W	244	—22
·837	·887	·890	·886	—·018	91	82	80	85	—5	8·5	8·8	8·6	—0·1	0	0	0	0	0	0	7	45	10	N 88° W	S 75° W	233	—107
·803	·855	·842	·841	—·029	88	81	78	83	—6	8·4	7·8	8·1	—0·3	0	1	0	0	1	1	3	28	28	N 70° W	S 81° W	187	—83
·842	·893	·875	·877	+·018	93	84	79	86	—3	7·4	6·7	7·0	+0·1	0	14	0	3	4	3	5	9	22	N 49° W	N 84° W	141	—48
·810	·880	·864	·864	+·027	86	75	68	78	—7	4·5	4·3	4·5	+1·4	0	11	3	15	9	3	1	3	17	N 24° E	N 9° E	146	—13
·652	·665	·666	·686	—·026	81	64	57	71	—9	2·5	2·3	2·4	+0·7	0	10	5	17	6	0	1	0	21	N 20° E	N 18° E	136	—32
·533	·589	·638	·612	+·022	73	60	57	66	—10	0·7	0·7	0·7	—1·2	0	21	7	15	3	1	0	2	13	N 17° E	N 15° E	145	—27
·705	·751	·767	·759	—·033	82	69	67	73	—5	3·6	3·6	3·6	—0·2	1	131	81	86	33	26	58	141	223	..	..	169	—37
·647	·712	·684	·696	+·011	92	71	66	76	—3	5·7	4·5	5·1	+1·0	2	15	7	9	18	4	1	3	3	N 77° E	N 51° E	119	+19
·670	·718	·692	·716	+·001	90	67	63	73	—5	5·0	4·2	4·6	+1·4	2	7	9	16	12	2	2	3	3	N 82° E	S 84° E	89	+1
·728	·761	·775	·779	—·023	91	62	63	76	—2	4·6	2·9	3·7	+1·5	0	0	2	10	19	22	5	3	1	S 26° E	S 44° E	93	—16
·839	·829	·858	·864	—·036	89	59	64	74	—4	4·1	3·0	3·6	+0·1	0	0	0	6	24	26	3	1	0	S 24° E	S 36° E	123	—10
·828	·808	·890	·856	—·040	84	58	65	71	+1	5·4	5·3	5·3	+1·6	2	1	2	5	15	15	10	10	2	S 3° W	S 9° E	134	—25
·758	·760	·820	·796	—·037	76	55	60	66	0	7·7	7·8	7·7	+1·5	4	0	1	2	6	14	12	19	2	S 42° W	S 37° W	132	—22
·690	·670	·698	·703	—.109	67	48	46	55	—13	6·5	7·8	7·1	—0·2	1	0	0	3	4	5	7	33	9	S 80° W	S 51° W	134	—5
·716	·721	·773	·748	—·088	75	54	55	62	—11	6·9	7·7	7·3	+0·4	2	0	0	5	11	6	5	31	2	S 56° W	S 36° W	116	—5
·765	·790	·830	·806	—·042	83	60	63	71	—6	5·9	6·5	6·2	—0·1	2	1	1	3	11	10	7	21	4	S 44° W	S 36° W	112	+7
·822	·905	·892	·888	+·032	95	83	80	88	+5	8·3	6·7	7·5	+1·5	5	11	5	13	8	5	2	7	6	N 55° E	N 54° E	85	+1
·718	·790	·785	·784	—·012	91	79	77	86	+2	7·5	8·0	7·7	+1·8	2	14	4	4	5	3	1	8	19	N 27° W	N 27° E	126	+12
·680	·743	·718	·733	+·004	90	74	70	80	—2	6·5	5·7	6·1	+0·6	4	23	15	12	0	0	0	0	8	N 23° E	N 24° E	92	—36
·738	·767	·785	·781	—·028	85	64	64	73	—3	6·2	5·8	6·0	+1·0	26	72	46	88	133	112	55	139	59	..	..	118	—7

MONTHLY AND

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

Station and height of bar cistern above sea level in feet.	Month.	Pressure (Reduced to 32° F. and Standard gravity).					Temperature of Air.								Temperature wet bulb.		Vapour ten Mer	
		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 10 hrs.	Mean 16 hrs.	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
Poona (Bombay). (1,834)	January	28·147	28·004	·143	28·074	—·004	88·6	53·0	94·3	46·0	75·0	86·3	75·5	+6·2	59·5	62·5	·317	·270
	February	·172	·025	·147	·098	+·049	88·3	50·9	97·9	40·3	75·9	86·4	69·3	—4·1	56·3	60·1	·217	·204
	March	·064	27·920	·144	·000	0	97·9	61·2	102·0	55·3	87·3	95·3	78·8	—1·0	62·7	64·3	·243	·216
	April	·000	·871	·129	27·940	—·001	99·6	66·8	105·0	60·6	89·8	96·0	81·4	—2·5	65·0	68·2	·313	·352
	May	27·971	·848	·123	·916	+·010	98·6	73·9	106·9	69·0	88·8	94·3	84·5	+0·6	70·6	72·2	·526	·516
	June	·859	·767	·092	·821	—·010	89·9	73·0	100·5	70·4	83·2	84·7	79·2	+0·1	73·0	73·1	·688	·669
	July	·890	·827	·063	·857	+·035	81·7	70·8	99·9	68·2	76·9	77·1	74·5	—0·9	71·6	71·6	·705	·704
	August	·932	·865	·067	·900	+·033	81·6	69·5(b)	86·0	66·3	76·7	77·7	73·6	—0·6	70·6	70·6	·672	·662
	September	·981	·880	·101	·934	+·006	85·2	69·4	94·5	64·1	79·1	80·2	75·2	+0·5	72·0	72·1	·698	·687
	October	28·066	·945	·121	28·010	+·012	89·4	68·2	94·1	61·1	81·8	86·0	77·5	+1·2	71·7	71·3	·652	·584
	November	·147	28·033	·114	·092	+·040	84·7	57·3	88·9	48·8	76·9	82·2	70·7	—1·4	64·7	65·7	·464	·434
	December	·170	·045	·125	·108	+·014	87·7	54·3	92·6	43·0	77·5	84·6	70·8	+2·4	62·4	65·4	·387	·391
	Year	28·033	27·919	·114	27·979	+·015	89·4	64·0	106·9	40·3	80·7	85·9	75·9	0	66·7	68·1	·490	·474
Bangalore (Mysore). (3,021)	January	26·935	26·860	·125	26·921	+·003	83·9	59·1	89·3	52·6	74·7	81·4	70·5	+3·0	62·8	63·5	·425	·362
	February	27·000	·870	·130	·932	+·031	85·9	62·0	89·5	56·2	76·8	83·5	73·2	+1·2	63·9	63·7	·434	·345
	March.	26·927	·791	·136	·859	—·005	92·6	65·1	95·5	56·5	82·6	90·5	77·8	+1·1	65·6	64·9	·419	·299
	April	·884	·750	·134	·823	+·013	94·7	69·9	99·3	64·6	84·6	92·0	81·0	+1·1	69·9	68·4	·549	·398
	May	·849	·736	·113	·800	+·025	89·4	69·5	97·3	65·8	80·8	87·0	77·8	—0·7	71·0	69·8	·637	·514
	June	·795	·699	·096	·754	—·001	86·6	67·8	94·3	64·8	78·6	83·1	75·4	+1·4	69·5	69·6	·604	·557
	July	·825	·736	·089	·789	+·029	83·9	66·1	88·1	63·9	76·0	81·1	73·1	+1·1	68·2	69·1	·589	·560
	August	·838	·739	·099	·798	+·022	84·4	66·1	89·1	63·7	75·9	82·6	73·4	+1·6	68·3	69·4	·593	·551
	September	·864	·745	·119	·812	+·007	84·0	66·4	89·6	60·9	76·7	81·7	73·4	+1·6	69·4	70·2	·625	·595
	October	·907	·796	·111	·852	+·013	81·2	66·3	87·3	64·0	75·6	77·5	72·3	+0·5	70·0	70·1	·662	·642
	November	·954	·855	·099	·904	+·025	80·0	62·9	86·5	56·6	74·4	76·8	70·4	+0·8	66·8	66·9	·565	·536
	December	·995	·889	·106	·943	+·029	80·7	60·6	85·2	53·4	73·4	77·7	69·7	+2·2	64·7	65·4	·507	·472
	Year	26·902	26·783	·113	26·849	+·016	85·6	65·1	99·3	52·6	77·5	82·9	74·0	+1·2	67·5	67·6	·551	·486

(b) Mean of 30 days.

ANNUAL TABLE D-1 FOR 1930.

(local time)

SION IN INCHES OF CURY		HUMIDITY.				CLOUD			WIND DIRECTION.											WIND VELOCITY.	
									Total number of 10 hrs. and 16 hrs. winds from												
Mean of daily means.	Departure from cf. al.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean 10 hrs.	Mean 16 hrs.	Mean of two previous columns.	Calm.	N.	NE.	E.	SE.	S.	SW.	W.	NW.	Mean wind direction.	Normal mean wind direction.	Mean velocity in miles per diem.	Departure from normal.
20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
·307	..	36	22	46	..	3·4	3·3	3·3	15	5	15	7	8	2	1	4	5	N 55° E	..	42	..
·250	..	25	17	38	..	0·9	0·9	0·9	7	8	16	7	8	4	1	7	3	N 67° E	..	47	..
·290	..	19	13	34	..	0·8	1·9	1·4	11	2	9	5	10	3	1	8	13	N 4° E	..	51	..
·398	..	23	21	40	..	1·2	3·2	2·2	7	6	11	0	3	0	1	10	22	N 32° W	..	70	..
·588	..	40	33	55	..	3·2	5·3	4·2	4	5	5	0	0	0	1	2	45	N 38° W	..	103	..
·694	..	61	59	71	..	6·6	6·9	6·8	4	0	0	0	1	6	6	23	20	N 86° W	..	113	..
·696	..	77	76	82	..	8·5	8·3	8·4	0	0	0	0	0	0	6	32	24	N 77° W	..	155	..
·663	..	74	71	82	..	8·1	8·3	8·2	0	0	0	0	0	0	5	37	20	N 79° W	..	145	..
·694	..	71	68	79	..	6·7	7·7	7·2	1	2	2	1	2	0	10	28	14	N 83° W	..	86	..
·653	..	61	49	61	..	6·0	7·2	6·6	7	0	2	23	17	2	3	3	5	S 63° E	..	58	..
·476	..	50	40	62	..	3·5	5·2	4·3	4	2	17	21	10	4	0	0	2	N 83° E	..	38	..
·403	..	40	33	53	..	0·9	2·3	1·6	14	3	17	13	8	1	0	2	4	N 67° E	..	33	..
·509	..	48	42	59	..	4·1	5·0	4·6	74	28	94	77	67	22	35	156	177	..	..	78	..
·422	+·014	50	35	55	—7	4·2	4·0	4·1	0	0	21	23	9	5	1	0	0	S 85° E	N 88° E	101	+8
·421	+·014	48	31	50	—4	3·2	3·2	3·2	1	2	17	19	8	0	3	4	2	N 75° E	S 69° E	106	+18
·392	—·055	38	21	39	—11	3·6	4·5	4·1	0	2	10	20	11	6	7	4	2	S 69° E	S 36° E	93	+7
·504	—·051	47	27	47	—8	3·0	4·4	3·7	5	6	8	15	8	1	3	9	5	N 62° E	S 27° W	92	+8
·608	—·002	62	43	63	0	5·7	7·2	6·5	3	4	5	3	2	0	4	26	15	N 66° W	S 81° W	116	+6
·589	—·034	62	51	67	—7	8·0	9·1	8·5	0	0	0	0	0	0	16	40	4	S 81° W	S 72° W	125	—38
·578	—·029	66	54	67	—10	8·5	9·0	8·8	0	0	0	0	0	0	8	43	11	N 88° W	S 72° W	178	+10
·581	—·032	66	51	67	—12	9·1	8·8	8·9	1	1	0	0	0	0	5	40	15	N 81° W	S 81° W	110	—35
·619	—·004	69	57	71	—9	7·3	7·6	7·5	0	0	1	3	2	0	6	37	11	N 86° W	S 84° W	115	—8
·667	+·059	75	70	81	+3	8·8	8·6	8·7	4	2	18	16	5	3	3	7	4	N 66° E	N	71	—11
·671	+·032	67	59	73	—2	6·3	6·9	6·6	5	11	24	8	1	0	0	3	8	N 27° E	N 60° E	71	—17
·574	+·048	62	50	67	—3	4·3	4·5	4·4	2	1	27	26	5	1	0	0	0	N 72° E	N 72° E	75	—21
·538	—·004	59	46	62	—6	6·0	6·5	6·3	21	29	131	136	51	16	56	213	77	..	..	104	—6

MONTHLY AND

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

Station and height of bar cistern above sea level in feet.	Month.	Pressure (Reduced to 32°F. and standard gravity.)					Temperature of air.								Temperature wet bulb.		Vapour tension in inches of mercury.			
		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 10 hrs.	Mean 16 hrs.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Kodaikanal (Madras) (7,688).	January	22·830	22·756	·074	22·793	..	63·8	41·1	70·8	41·4	60·0	59·0	54·7	..	50·4	51·8	·270	·314	·261	..
	February	·852	·779	·073	·809	..	64·9	48·0	70·4	42·4	60·5	59·9	55·6	..	51·1	53·4	·284	·344	·289	..
	March	·825	·752	·073	·787	..	69·8	50·0	72·9	43·7	65·0	63·7	59·1	..	51·3	53·9	·239	·315	·255	..
	April	·809	·739	·070	·772	..	70·3	52·4	73·2	48·2	66·4	63·8	60·5	..	55·7	57·7	·334	·414	·351	..
	May	·783	·716	·067	·748	..	68·7	53·9	73·3	49·6	65·6	62·7	60·5	..	55·6	57·7	·343	·426	·359	..
	June	·737	·677	·060	·709	..	65·4	53·6	72·3	51·5	61·8	59·8	58·3	..	56·6	56·6	·402	·425	·384	..
	July	·753	·695	·058	·725	..	64·9	51·9	69·4	49·4	61·2	60·2	57·3	..	54·9	55·8	·368	·401	·357	..
	August	·759	·699	·060	·729	..	63·8	52·0	69·3	49·6	60·7	58·8	56·9	..	55·8	56·6	·395	·430	·385	..
	September	·778	·705	·073	·742	..	63·5	52·1	67·3	49·4	60·5	58·9	57·0	..	56·2	56·4	·409	·429	·392	..
	October	·795	·719	·066	·758	..	62·0	51·4	67·3	48·2	59·0	57·8	56·1	..	56·4	56·3	·428	·437	·410	..
	November	·828	·755	·073	·796	..	61·9	50·6	68·2	45·2	58·8	57·5	55·6	..	55·2	55·5	·402	·421	·388	..
	December	·842	·773	·069	·809	..	63·7	48·4	70·5	39·3	60·2	58·1	55·4	..	50·8	52·4	·278	·337	·226	..
	Year	22·799	22·730	·068	22·765	..	65·2	50·5	73·3	39·3	61·6	60·0	57·3	..	54·2	55·3	·346	·391	·338	..
Trivandrum (Madras) (197 .	January	29·700	29·586	·114	29·646	—·017	84·0	73·3	86·1	69·3	79·5	83·0	77·9	+0·8	72·8	74·9	·719	·757	·743	+·077
	February	·725	·602	·123	·665	+·016	86·0	74·6	88·4	70·2	82·1	84·0	79·4	+0·8	73·3	75·3	·705	·758	·742	+·057
	March	·662	·535	·127	·603	—·024	87·0	77·0	88·7	71·9	83·3	86·0	80·4	+0·1	75·9	77·8	·792	·842	·832	+·057
	April	·615	·505	·110	·564	—·016	87·7	79·0	89·8	76·1	85·0	86·2	82·3	+0·4	78·0	79·0	·865	·890	·886	+·058
	May	·619	·520	·099	·574	+·003	84·9	77·5	87·3	71·2	82·5	83·8	80·1	—1·2	77·6	78·1	·882	·885	·879	+·036
	June	·598	·518	·080	·563	—·015	82·5	75·7	86·6	72·5	80·3	80·7	77·9	—0·5	76·0	76·7	·854	·864	·858	+·048
	July	·630	·542	·088	·593	+·002	82·8	75·8	85·4	72·3	81·5	79·0	77·8	+0·6	75·7	76·2	·819	·824	·823	+·028
	August	·637	·547	·090	·599	0	82·8	75·4	86·7	73·0	80·4	81·7	78·0	+0·2	75·1	75·7	·800	·806	·808	+·023
	September	·659	·560	·099	·615	—·001	82·2	76·0	86·7	73·7	80·5	81·2	78·0	0	76·0	76·1	·835	·834	·847	+·066
	October	·654	·556	·098	·610	—·011	82·4	76·1	84·2	73·5	79·9	80·5	78·0	+0·3	76·1	76·6	·848	·860	·855	+·069
	November	·695	·598	·097	·652	+·012	83·1	76·1	86·4	73·7	80·9	82·0	78·8	+1·1	76·3	76·7	·839	·853	·844	+·063
	December	·720	·620	·100	·674	+·021	84·1	74·5	85·5	69·7	80·4	83·2	78·5	+1·1	73·6	75·6	·746	·784	·768	+·060
	Year	29·659	·557	·102	29·613	—·003	84·1	75·9	89·8	69·3	81·4	82·7	78·9	+0·3	75·5	76·6	·809	·831	·824	+·054

ANNUAL TABLE D-1 FOR 1930.

(local time).

Humidity.				Cloud.				Wind direction. Total number of 10 hrs. and 16 hrs. winds from											Wind velocity.	
Mean 10 hrs. 22	Mean 16 hrs. 23	Mean of daily means. 24	Departure from normal. 25	Mean 10 hrs. 26	Mean 16 hrs. 27	Mean of two previous columns. 28	Departure from normal. 29	Calms. 30	N. 31	N.E. 32	E. 33	S.E. 34	S. 35	S.W. 36	W. 37	N.W. 38	Mean wind direction. 39	Normal mean wind direction. 40	Mean velocity in miles per diem. 41	Departure from normal. 42
55	65	63	..	4·0	5·4	4·7	..	0	15	19	6	17	2	0	0	3	N 60° E	..	18[illegible]	..
56	68	68	..	3·3	5·9	4·6	..	4	11	15	6	11	2	0	1	6	N 28° E	..	137	..
39	54	52	..	4·5	6·7	5·6	..	7	21	20	3	7	1	0	1	2	N 32° E	..	153	..
52	71	66	..	4·5	7·3	5·9	..	1	25	18	7	6	2	0	0	1	N 35° E	..	141	..
56	76	70	..	3·4	7·4	5·4	..	1	13	8	3	11	3	0	5	18	N 4° W	..	152	..
74	83	80	..	8·0	9·3	8·6	..	2	1	1	1	11	2	2	23	17	N 85° W	..	185	..
68	77	75	..	6·2	8·7	7·5	..	1	1	2	0	1	1	0	18	38	N 57° W	..	212	..
75	88	84	..	7·3	9·4	8·4	..	7	3	3	1	8	1	0	22	17	N 67° W	..	159	..
78	87	86	..	7·1	8·7	7·9	..	7	3	3	5	5	4	1	21	11	N 76° W	..	151	..
86	91	94	..	8·9	9.2	9·1	..	4	10	10	7	14	9	1	1	6	N 84° E	..	142	..
82	89	89	..	8·3	8·5	8·4	..	5	8	9	5	6	2	0	6	19	N 10° W	..	116	..
56	72	67	..	3·1	4·8	4·0	..	3	11	15	13	11	3	0	1	5	N 62° E	..	186	..
65	77	75	..	5·7	7·6	6·7	..	42	122	123	57	108	32	4	99	143	..	..	160	..
71	67	82	+8	4·4	4·8	4·4	+1·4	17	6	4	0	0	5	22	8	0	S 61° W	S 84° W	91	+21
64	63	76	+3	2.7	2·9	2·8	+0·2	7	10	3	0	0	5	18	10	3	S 82° W	S 81° W	112	+31
70	68	82	+6	5·5	6·7	6·1	+3·1	12	9	1	0	1	1	21	12	2	S 76° W	N 87° W	116	+20
72	72	84	+5	5·5	6·9	6·2	+1·4	9	5	2	0	0	0	21	18	5	S 82° W	N 69° W	118	+15
79	77	88	+5	5·8	7·1	6·5	+0·4	1	9	1	0	0	0	2	38	11	N 71° E	N 63° W	164	+40
83	83	92	+6	8·6	9·2	8·9	+1·0	4	13	1	2	0	2	5	28	5	N 70° W	N 60° W	130	+7
79	75	86	—1	7·3	7·3	7·3	—0·9	1	18	0	0	0	0	3	22	18	N 52° W	N 60° W	217	+59
78	75	86	0	7·1	7·5	7·3	+0·4	0	8	0	0	0	0	4	34	16	N 71° W	N 60° W	204	+45
80	79	90	+6	7·7	6·7	7·2	+0·7	0	6	1	0	0	2	8	31	12	N 81° W	N 63° W	171	+29
83	83	92	+7	7·6	8·6	8·1	+1·2	10	9	2	0	0	2	12	19	8	N 80° W	N 69° W	92	+4
79	78	90	+6	6·7	8·4	7·5	+1·8	16	3	2	0	0	0	16	21	2	S 80° W	N 81° W	78	+17
72	78	87	+9	3·5	4·8	4·2	—0·1	13	5	5	1	0	1	24	11	2	S 73° W	N 81° W	82	+17
76	75	86	+5	6·0	6·7	6·4	+0·9	90	101	22	3	1	18	159	252	84	..	..	131	+25

MONTHLY AND

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

Station and Height of bar cistern above sea level in feet.	Month.	Pressure (Reduced to 32° F. and Standard gravity)					Temperature of Air.								Temperature Wet Bulb.		Vapour tension in inches of mercury.	
		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 10 hrs.	Mean 16 hrs.	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
Peshawar (N.-W. F. P.). (1,164)	January	28·897	28·801	·096	28·840	—·025	61·2	39·3	71·5	32·8	52·0	58·0	48·4	—1·3	43·9	48·3	·183	·209
	February	(e) ·882	·773	·109	·818	0	68·2	45·5	79·0	36·0	59·4	65·7	55·8	+2·5	50·0	54·6	·239	·286
	March	·728	·627	·101	·671	—·056	79·4	53·8	91·0	39·0	71·8	77·0	65·9	+2·6	57·0	59·3	·265	·266
	April	·663	·543	·120	·597	—·013	82·7	60·6	95·0	49·0	76·2	83·5	71·8	—2·2	62·7	63·5	·394	·326
	May	·511	·419	·092	·459	—·002	100·6	70·3	107·0	65·0	92·4	96·8	85·2	+1·2	67·2	68·0	·325	·320
	June	·378	·270	·108	·316	+·014	104·8	78·4	112·0	73·0	96·3	102·0	91·2	0	71·9	72·1	·453	·406
	July	·321	·202	·119	·257	—·015	100·2	80·1	109·0	73·0	91·3	99·3	89·2	—1·1	79·2	79·9	·826	·775
	August	·376	·269	·107	·315	—·027	100·6	79·8	107·0	73·0	(b) 92·7	98·5	89·3	+1·7	(b) 77·5	77·8	(b) ·723	·698
	September	·576	·467	·109	·513	+·014	94·4	71·2	104·0	63·0	86·0	91·8	81·8	—0·8	70·5	71·3	·549	·500
	October	·753	·652	·101	·692	+·002	87·4	60·3	98·0	49·0	79·1	83·2	72·5	+1·1	63·0	64·4	·361	·358
	November	·886	·786	·100	·828	+·013	78·6	47·3	84·0	42·0	68·9	74·2	60·9	+1·8	55·2	58·7	·253	·293
	December	·914	·828	·086	·851	—·021	69·9	39·3	78·0	31·0	59·6	65·1	52·4	+1·3	47·7	51·2	·176	·188
	Year	28·657	28·553	·104	28·597	—·010	85·7	60·5	112·0	31·0	77·1	82·9	73·1	+1·7	62·1	64·1	·395	·385
Quetta (Baluchistan) (5,407)	January	24·744	24·674	·070	24·709	+·038	43·3	30·8	55·0	20·0	37·6	41·2	36·4	—3·2	(o) 37·6	34·9	(o) ·177	·129
	February	·760	·693	·067	·720	+·065	57·4	30·7	71·0	16·0	48·7	55·9	43·9	+1·7	(j) 42·3	43·3	(j) ·156	·134
	March	·712	·637	·075	·668	+·033	65·6	38·1	78·0	25·0	57·4	63·7	52·2	—0·4	44·5	46·5	·150	·127
	April	·668	·600	·068	·626	+·019	82·4	43·2	83·0	35·0	65·1	69·7	63·4	+2·5	50·1	48·0	·188	·088
	May	·687	·581	·106	·625	+·063	86·0	50·5	93·0	46·0	78·8	83·7	68·4	+0·4	54·6	55·0	·181	·104
	June	·523	·448	·075	·478	+·028	92·8	61·9	99·0	51·0	85·7	90·7	76·5	+2·4	59·7	59·5	·244	·140
	July	·441	·366	·075	·401	+·002	95·0	69·6	101·0	63·0	85·8	92·2	81·9	+3·6	65·3	64·5	·400	·296
	August	·535	·461	·074	·496	+·043	92·1	61·1	96·0	53·0	82·8	90·4	76·1	+0·8	56·8	57·8	·192	·106
	September	·668	·585	·083	·619	+·052	86·7	51·1	94·0	36·0	76·5	83·9	68·5	+1·4	53·2	53·9	·157	·072
	October	·783	·704	·079	·734	+·037	75·1	42·9	87·0	32·0	66·1	71·7	59·0	+2·5	48·4	50·2	·134	·113
	November	·828	·713	·115	·761	+·024	66·9	33·0	71·0	25·0	56·7	64·0	49·4	+1·4	42·4	45·2	·101	·082
	December	·828	·747	·081	·775	+·053	53·0	24·3	67·0	18·0	45·0	53·5	37·8	—4·5	(f) 36·8	40·2	(f) ·117	·099
	Year	24·681	24·601	·080	24·634	+·038	74·7	44·8	101·0	16·0	65·5	71·7	59·7	+1·0	49·3	49·9	·183	·124

(b) Mean of 30 days. (e) Mean of 27 days. (f) Mean of 26 days. (j) Mean of 22 days. (o) Mean of 17 days.

ANNUAL TABLE D-1 FOR 1930.

(local time).

Humidity.		Cloud.				Wind direction.											Wind velocity	
						Total number of 10 hrs. and 16 hrs. winds from												
Mean 10 hrs.	Mean 16 hrs.	Mean 10 hrs.	Mean 16 hrs.	Mean of two previous columns.	Departure from normal.	Calm.	N.	NE.	E.	SE.	S.	SW.	W.	NW.	Mean wind direction.	Normal mean wind direction.	Mean velocity in miles per diem.	Departure from normal.
20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
48	46	6·7	6·6	6·7	+2·0	22	5	5	7	8	8	2	0	5	S 75° E	S 7° W	36	—3
47	44	5·3	5·9	5·6	+1·3	23	8	4	2	5	5	3	3	3	N 26° E	N 12° W	37	—19
34	29	4·7	5·3	5·0	+0·1	14	16	4	5	8	3	2	2	8	N 17° E	N 12° E	37	—26
43	29	6·8	3·8	5·3	+0·9	24	10	6	7	1	2	0	3	7	N 14° E	N 9° E	12	—56
22	18	2·5	5·6	4·1	+1·0	15	15	13	11	2	2	2	1	1	N 43° E	N 16° E	47	—33
26	20	2·4	4·2	3·3	+1·0	9	11	18	15	2	0	2	0	3	N 48° E	N 36° E	72	—5
57	41	4·5	4·8	4·7	+1·8	7	16	19	9	0	2	1	2	6	N 27° E	N 48° E	62	—10
(b) 48	38	2·8	4·8	3·8	+0·9	12	9	24	10	1	1	1	1	3	N 43° E	N 39° E	54	—9
44	34	3·9	3·3	3·6	+1·9	13	10	20	9	4	1	0	0	3	N 47° E	N 36° E	40	—3
36	32	3·2	5·4	4·3	+2·8	25	12	12	7	0	1	2	1	2	N 32° E	N 54° E	34	—3
36	34	2·5	3·5	3·0	+0·7	38	3	6	8	2	1	1	0	1	N 69° E	N 72° E	29	—3
34	31	4·9	4·3	4·6	+0·9	37	6	3	4	6	4	0	0	2	N 81° E	S	24	—16
40	33	4·2	4·8	4·5	+1·3	239	121	134	94	39	30	16	13	44	..	..	40	—17
(e) 66	59	6·8	7·5	7·1	+3·0	8	5	1	1	6	6	3	18	14	N 83° W	N 84° W	94	+13
(j) 41	36	4·1	4·8	4·5	+0·3	9	2	1	0	7	10	7	10	10	S 58° W	N 84° W	99	+33
31	21	4·3	5·2	4·7	+0·6	12	2	1	2	5	6	5	23	6	S 76° W	S 78° W	120	+50
30	12	4·7	5·8	5·3	+2·0	6	6	1	2	8	2	9	18	8	S 86° W	N 78° W	115	+54
18	9	1·7	4·2	2·9	+1·0	10	4	0	0	1	3	9	26	9	W	N 69° W	120	+62
20	10	0·7	2·5	1·6	+0·5	8	1	2	1	8	4	5	22	9	S 80° W	N 72° W	126	+73
33	19	2·2	5·8	4·0	+2·3	12	5	4	0	10	15	3	9	4	S 15° W	S 84° W	136	+73
17	7	1·7	1·9	1·8	+0·3	16	4	0	0	2	2	4	25	9	N 83° W	N 78° W	85	+33
17	6	0·2	0·5	0·3	—0·2	10	4	0	0	1	3	10	20	12	N 87° W	N 60° W	108	+60
21	15	2·1	3·5	2·8	+2·2	20	5	0	0	2	3	3	21	8	N 81° W	N 60° W	87	+53
22	14	2·5	2·8	2·7	+1·0	26	1	0	0	2	3	2	16	10	N 86° W	N 51° W	45	+10
(f) 38	25	3·6	3·9	3·7	+0·5	27	2	0	0	3	3	1	14	12	N 78° W	N 63° W	68	+23
29	19	2·9	4·0	3·5	+1·2	164	41	10	6	55	60	61	222	111	..	..	100	+50

MONTHLY AND

Abstract of observations taken at 10 hrs.

Station and height of bar cistern above sea-level in feet.	Month.	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 in inches of mercury. From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Katmandu (Nepal). (4,388)	January	25·648	25·602	·046	25·619	—·023	61·5	36·7	73·6	30·1	45·9	58·1	48·4	—1·2	..	43·5	49·6	..	..	·255	·259	..	..
	February	·677	·633	·044	·652	+·049	69·2	40·8	77·4	32·1	53·0	65·7	54·8	+2·3	..	48·9	54·9	..	..	·302	·312	..	..
	March	·586	·547	·039	·563	—·003	78·7	48·0	85·8	40·3	65·5	74·4	63·6	+2·8	..	56·6	59·8	..	..	·361	·349	..	..
	April			Barometer out of order.			85·9	53·7	92·6	43·1	71·1	82·1	70·4	+3·3	..	61·1	62·7	..	..	·385	·348	..	..
	May						86·1	58·9	92·4	53·5	78·0	80·5	72·6	+1·8	..	64·2	67·7	..	..	·433	·532	..	..
	June						85·4	64·3	91·8	58·7	78·5	81·6	74·1	+0·2	..	68·5	69·7	..	..	·591	·592	..	..
	July						83·7	67·9	87·4	64·3	78·6	78·4	75·4	+0·3	..	70·8	72·3	..	..	·670	·713	..	..
	August						82·1	67·8	85·4	63·5	77·1	76·7	74·4	—0·1	..	70·7	71·8	..	..	·681	·725	..	..
	September						78·9	65·0	84·2	62·5	73·7	75·0	71·5	—1·7	..	68·1	69·7	..	..	·620	·668	..	..
	October						77·5	54·8	83·2	44·1	69·3	73·2	66·1	—0·8	..	61·9	64·6	..	..	·468	·518	..	..
	November						71·2	47·6	76·4	41·1	61·4	67·0	58·9	+1·1	..	55·1	58·9	..	..	·357	·406	..	..
	December						66·4	39·1	75·2	33·3	51·1	62·4	51·8	—0·8	..	47·4	53·7	..	..	·282	·319	..	..
	Year						77·2	53·7	92·6	30·1	67·2	72·9	65·2	+0·6	..	59·7	62·8	..	..	·450	·478	..	..
Seychelles (Indian Ocean). (15).	January	29·874	29·786	·088	29·841	—·007	83·8	74·7	85·9	70·7	82·3	81·6	78·1	—0·4	73·1	76·7	76·6	75·5	·794	·847	·850	·848	+·015
	February	·904	·808	·096	·864	+·012	84·5	74·7	87·1	72·0	82·3	82·2	78·5	—0·6	72·9	76·7	77·0	75·5	·784	·847	·860	·853	+·011
	March	·869	·764	·105	·821	—·007	85·7	75·6	88·8	72·7	83·7	84·0	79·7	+0·8	73·7	77·5	77·4	76·2	·811	·845	·838	·858	—·003
	April (c)	·841	·742	·099	·795	—·034	86·9	75·3	88·4	72·3	84·5	84·5	79·8	+0·4	74·1	78·2	78·5	76·9	·824	·869	·908	·892	+·029
	May	·903	·813	·090	·859	—·005	86·2	74·5	88·6	70·8	83·8	84·4	78·9	—0·6	73·5	77·8	77·9	76·4	·797	·876	·869	·860	+·014
	June	·896	·814	·082	·857	—·013	83·2	74·4	85·4	70·7	81·0	81·2	77·7	+0·1	72·0	75·9	75·8	74·6	·750	·828	·821	·816	+·035
	July	·936	·864	·072	·901	—·015	81·8	73·5	83·7	70·7	79·8	79·9	76·4	0	71·5	75·4	75·2	74·0	·730	·806	·806	·796	+·045
	August	·939	·860	·079	·903	+·007	80·6	73·7	82·5	71·6	79·4	79·5	75·6	—1·0	71·2	74·4	74·6	73·4	·724	·770	·799	·772	+·025
	September	·943	·857	·086	·908	+·005	82·7	74·0	87·0	70·0	80·9	80·8	77·0	—0·7	71·7	75·5	75·7	74·3	·750	·792	·828	·797	+·030
	October	·933	·840	·093	·897	+·019	83·6	73·9	86·1	71·7	81·5	82·0	77·3	—0·4	72·1	75·7	76·1	74·6	·756	·815	·815	·808	+·014
	November	·918	·832	·086	·888	+·023	83·6	73·5	86·3	69·8	81·0	80·6	77·1	—0·5	72·5	76·5	76·6	75·2	·797	·865	·872	·870	+·034
	December	·904	·822	·082	·873	+·014	83·3	73·4	86·1	71·1	81·2	81·5	77·2	—0·7	72·7	76·7	76·8	75·4	·804	·865	·865	·870	+·038
	Year	29·905	29·817	·088	29·867	0	83·8	74·3	88·8	69·8	81·8	81·9	77·8	—0·3	72·6	76·4	76·5	75·2	·777	·835	·844	·837	+·025

(c) Mean of 29 days.

ANNUAL TABLE D-I FOR 1930.

and 16 hrs. (local time).

Humidity.					Cloud.				Wind direction.												Mean velocity in miles per diem.	Departure from normal.	Rainfall.	Departure from normal.	Rainy days.
									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.	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.					
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
..	83	54	..	..	* 3·9	3·8	* 3·7	+0·3	0	17	1	15	0	3	1	16	9	N 20° W	N 78° W	16	+1	1·00	+0·01	3
..	75	50	..	..	(g) 4·1	4·7	(g) 4·5	+1·0	0	11	2	9	0	2	4	18	10	N 50° W	N 87° W	17	−4	1·33	+0·47	5
..	57	41	..	..	4·0	5·3	4·6	+1·3	0	15	0	11	0	6	1	20	9	N 48° W	N 82° W	17	−6	1·30	+0·21	5
..	46	31	..	..	2·5	4·5	3·5	−0·5	1	9	1	9	1	5	5	18	11	N 66° W	N 87° W	9	−17	1·06	−0·88	4
..	45	50	..	..	4·2	6·1	5·1	−0·1	0	23	1	4	0	8	1	18	7	N 44° W	S 89° W	20	−11	2·09	−1·92	6
..	60	54	..	..	5·5	5·7	5·6	−0·6	0	19	3	7	2	4	3	12	10	N 27° W	N 87° W	38	+15	5·09	−4·13	10
..	69	75	..	..	6·7	8·0	7·4	+0·6	0	25	4	14	2	5	5	3	4	N 23° E	S 63° W	27	+12	15·62	+0·71	20
..	72	78	..	..	8·5	8·4	8·4	+1·3	0	27	5	12	4	6	1	5	2	N 27° E	N 66° W	20	+7	13·20	−1·46	22
..	75	76	..	..	8·5	7·7	8·1	+1·8	0	12	1	17	3	6	3	15	3	N 10° E	N 87° W	15	+3	9·13	+1·78	16
..	65	63	..	..	4·0	4·5	4·3	+0·3	0	11	0	15	1	4	1	21	9	N 46° W	S 86° W	17	+5	2·03	−0·26	1
..	66	62	..	..	3·7	4·3	4·0	+1·4	0	29	1	9	1	3	1	4	12	N 21° E	N 81° W	16	+6	0·07	−0·08	0
..	77	56	..	..	(d) 3·4	2·7	(d) 3·1	+0·5	1	26	2	8	2	2	2	9	10	N 13° W	N 72° W	21	+5	0·82	+0·51	1
..	66	57	..	..	4·9	5·5	5·2	+0·7	2	224	21	130	16	54	28	159	96	..	..	19	+1	52·74	−5·04	93
92	77	79	86	+2	6·1	6·9	6·5	−0·5	7	10	5	1	0	0	0	10	29	N 37° W	N 39° W	134	+27	6·18	−10·91	9
91	77	78	85	+2	5·9	5·9	5·9	−0·6	9	5	7	7	1	1	3	7	16	N 24° W	N 21° W	117	+10	8·85	−3·75	9
90	75	73	83	0	6·1	5·8	5·9	−0·8	10	3	7	5	2	0	1	12	22	N 38° W	N 17° W	128	+42	6·29	−3·62	10
95	74	76	85	+5	5·5	5·9	5·7	+0·6	4	5	7	4	5	3	0	11	16	(m) N 33° W	N 8° E	115	+33	6·55	−0·80	11
95	75	74	83	+3	5·4	4·4	4·9	−0·2	5	2	5	20	13	6	3	2	6	S 73° E	S 43° E	124	+4	3·51	−2·56	7
88	78	77	83	+4	6·6	7·4	7·0	−0·1	6	0	2	11	21	14	5	1	0	S 36° E	S 27° E	210	+22	4·22	−0·58	8
90	80	80	84	+6	5·8	5·9	5·9	+0·3	2	0	0	22	29	7	2	0	0	S 55° E	S 33° E	232	+21	3·42	+1·01	11
88	78	78	82	+4	6·5	6·7	6·6	+0·2	0	0	0	18	40	4	0	0	0	S 55° E	S 35° E	334	+103	1·87	−0·69	3
88	76	78	83	+3	5·8	5·4	5·6	0	2	0	0	21	31	4	1	0	1	S 58° E	S 40° E	241	+31	8·68	+3·82	6
90	75	75	82	+1	5·9	5·2	5·6	−0·6	5	0	2	24	21	8	0	0	2	S 63° E	S 39° E	183	+44	3·31	−1·47	9
95	81	83	89	+6	7·2	7·3	7·2	+0·3	7	2	4	12	8	6	0	4	16	(n) N 49° E	S 56° E	140	+47	20·28	+9·87	17
98	81	81	89	+6	5·9	6·2	6·0	−0·8	10	3	2	2	7	1	0	10	27	N 50° W	N 44° W	128	+19	13·56	−0·88	14
92	77	78	85	+4	6·1	6·1	6·1	−0·1	67	30	41	147	178	54	15	57	135	..	..	174	+34	86·72	−10·56	114

(d) Mean of 28 days. (g) Mean of 25 days. * Mean of 17 days. (m) 3 Winds variable. (n) 1 Wind variable.

Table D-2.—Abstract of observations taken at 4 hrs. and 14 hrs. (G.M.T.) at 16 Stations in Persia and the adjoining areas in the year 1930.

MONTHLY AND

Abstract of observations taken at 4 and 14 hrs. (G. M. T.)

Station and Height of barcistern above sea-level in feet.	Month.	Pressure (Reduced to 32° F. and standard gravity).		Temperature of Air.								Temperature wet bulb.		Vapour-tension in inches of mercury.		Humi
		Mean 4 hrs. (G. M. T.)	Mean 14 hrs. (G. M. T.)	Mean maximum.	Mean minimum.	Highest maximum.	Date.	Lowest minimum.	Date.	Mean 4 hrs. (G. M. T.)	Mean 14 hrs. (G. M. T.)	Mean 4 hrs. (G. M. T.)	Mean 14 hrs. (G. M. T.)	Mean 4 hrs. (G. M. T.)	Mean 14 hrs. (G. M. T.)	Mean 4 hrs. (G. M. T.)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Bahrein (8)	January	30·099	30·060	64·2	54·3	73·5	7th	47·8	31st	57·2	61·4	55·6	57·9	·425	·436	89
	February	·046	·002	72·2	(c) 58·3	89·3	24th	45·5	4th	61·6	66·4	59·7	63·6	·494	·557	89
	March	29·947	29·904	75·6	63·4	85·6	31st	52·0	14th	67·5	71·0	65·4	68·3	·606	·664	89
	April	·832	·786	85·7	71·0	98·3	11th	63·9	10th	76·6	79·0	71·3	74·8	·706	·812	77
	May	·767	·721	92·8	79·2	104·7	13th	70·8	3rd	84·1	87·4	78·8	80·6	·920	·972	78
	June	·566	·521	95·9	83·7	104·9	4th	76·2	18th	88·7	91·6	83·0	83·1	1·067	1·036	78
	July	·461	·424	97·8	83·4	111·0	30th	79·1	29th	90·0	92·6	79·6	83·8	·877	1·050	62
	August	·537	·498	100·7	82·6	109·0	1st	79·0	11th and 27th	90·8	95·3	84·6	87·2	1·111	1·193	77
	September	·728	·685	96·5	81·0	104·7	4th	73·6	28th	88·0	91·8	82·5	85·2	1·047	1·133	79
	October	·913	·871	90·7	75·4	100·3	5th	69·3	31st	80·9	85·1	76·7	77·7	·872	·858	82
	November	30·054	30·008	81·6	68·7	89·9	20th	59·8	25th	78·5	76·6	69·9	70·5	·686	·672	83
	December	·134	·093	70·7	60·6	79·0	26th	57·0	10th	62·3	67·2	60·5	63·6	·507	·542	89
	Year	29·840	29·798	85·4	71·8	111·0	30th July	45·5	4th Feb.	77·2	80·5	72·3	74·7	·777	·827	81
Bushire (14)	January	30·094	30·052	(b) 62·1	50·0	69·9	23rd	45·0	1st and 13th	53·0	59·5	50·9	55·1	·345	·379	85
	February	·048	·014	69·2	55·1	83·9	23rd	47·8	1st	59·3	65·6	55·3	60·7	·401	·467	79
	March	29·961	29·907	73·7	60·3	90·5	31st	52·4	7th	64·8	69·7	61·1	56·1	·506	·597	81
	April	·844	·803	83·1	69·7	100·9	25th	61·0	1st	75·5	78·8	69·6	72·9	·647	·729	73
	May	·765	·729	88·0	76·3	101·9	28th	71·0	12th	81·1	85·7	75·7	80·5	·818	·969	77
	June	·540	(c) ·508	90·6	81·1	103·7	4th	77·0	1st and 18th	84·8	(c) 88·8	80·5	(c) 83·9	·984	(c) 1·094	82
	July	·452	·397	92·8	83·8	101·5	31st	78·0	1st	87·5	90·7	82·0	84·6	1·019	1·107	78
	August	·544	·507	96·8	84·0	101·3	23rd	78·0	26th	89·7	94·3	83·0	89·3	1·049	1·311	75
	September	·723	·686	94·2	81·0	100·0	1st	76·0	8th and 27th	84·8	91·1	77·0	83·1	·832	1·025	69
	October	·917	·872	87·3	73·0	93·7	6th	67·0	30th	77·5	84·7	70·2	77·6	·649	·852	68
	November	30·055	30·004	79·1	65·4	85·1	18th	56·8	24th	68·9	76·8	63·8	70·3	·520	·660	74
	December	·140	·092	68·6	53·5	79·9	31st	48·2	9th	57·3	66·1	54·2	61·9	·381	·500	81
	Year	29·840	29·798	82·1	69·4	103·7	4th June	45·0	1st and 13th Jan.	73·7	79·3	68·7	73·8	·680	·808	77

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

ANNUAL TABLE D-2 FOR 1930.

at stations in Persia, etc.

DITY.	CLOUD.		WIND DIRECTION.																			WIND VELOCITY.	RAINFALL.			
			Total number of 4 hrs. (G. M. T.) winds from										Total number of 14 hrs. (G. M. T.) winds from													
Mean 14 hrs. (G. M. T.)	Mean 4 hrs. (G. M. T.)	Mean 14 hrs. (G. M. T.)	Calm.	N	NE	E	SE	S	SW	W	NW	Mean wind direction at 4 hrs. (G.M.T.)	Calm.	N	NE	E	SE	S	SW	W	NW	Mean wind direction at 14 hrs. (G.M.T.)	Mean daily velocity in miles per hr.	Total rainfall.	Number of rainy days.	Heaviest rainfall.	Date.
18	19	20	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
79	4·7	4·7	3	2	0	1	3	1	2	13	6	N. 83° W	1	8	0	3	3	0	1	4	11	N 29° W	9·8	0·68	2	0·40	21st
85	3·4	3·1	2	5	1	2	8	2	3	2	3	S. 48° E	0	15	2	6	3	0	0	1	1	N 27° E	9·8	0·08	0	0·05	21st
86	3·6	4·4	2	7	4	3	2	0	4	4	5	N. 19° W	0	16	4	7	1	0	0	0	3	N 23° E	10·6	0·13	0	0·05	5th and 29th
81	4·7	4·5	4	4	1	4	4	2	3	3	5	N. 41° W	0	14	2	11	1	0	0	0	2	N 36° E	9·1	0·21	1	0·18	4th
78	0·9	1·2	2	8	1	1	1	0	3	4	11	N. 46° W	0	11	7	2	1	0	0	0	10	N 2° E	1[illegible]·5	0	0	0	..
69	0·2	0·4	0	7	0	1	0	1	0	11	10	N. 53° W	0	18	3	0	1	0	0	0	8	N 7° W	14·3	0	0	0	..
68	1·6	1·3	0	2	0	0	1	0	1	19	8	N. 76° W	0	20	5	1	0	0	0	0	5	N 2° E	10·5	0	0		
71	1·1	0·6	5	3	3	2	1	5	4	8	0	S. 60° W	0	11	7	9	3	0	0	0	1	N 47° E	5·1	0	0	0	..
76	0·2	0	3	2	1	1	1	2	4	8	8	N. 79° W	0	14	8	3	0	0	0	0	5	N 12° E	7·4	0	0	0	..
71	1·3	0·7	3	5	0	1	1	3	9	6	3	S. 76° W	0	17	5	5	2	0	0	0	2	N 23° E	8·2	0	0	0	..
73	1·7	3·3	7	4	0	2	0	4	4	5	4	W.	2	12	6	4	0	1	0	0	5	N 14° E	8·2	0	0	0	..
81	4·3	4·0	3	3	0	0	2	3	1	11	8	N. 77° W	2	4	0	5	1	1	0	3	15	N 32° W	9·2	0·83	3	0·51	11th
76	2·3	2·3	34	52	11	18	24	23	38	94	71	..	5	160	40	56	16	2	1	8	68	..	9·4	1·93	6	0·51	11th Dec.
74	4·7	4·4	1	5	14	2	2	0	5	0	2	N. 36° E	2	5	5	1	2	0	6	0	10	N 29° W	8·8	6·40	9	2·00	17th
75	3·0	3·9	6	4	3	1	5	0	6	0	3	N. 31° E	3	1	1	0	4	2	8	0	9	S 74° W	7·5	0·57	3	0·24	16th
80	2·8	2·2	5	7	5	2	2	0	2	0	8	N.	3	1	3	0	1	1	0	5	17	N 47° W	7·4	0·33	1	0·30	9th
74	3·5	3·7	3	4	9	2	6	0	1	0	5	N. 43° E	1	0	0	0	5	0	5	6	13	N 82° W	7·4	0	0	0	..
79	0·2	1·6	5	12	2	1	1	0	2	0	8	N. 13° W	0	0	0	0	1	0	2	7	21	N 60° W	7·8	0	0	0	..
(c) 81	0·2	(c) 0	2	10	0	0	0	0	1	0	17	(c) N. 31° W	0	1	0	0	0	3	3	6	16	(c) N 70° W	9·6	0	0	0	..
75	0·2	0	6	4	1	3	2	0	0	0	15	N. 22° W	0	1	0	0	2	3	4	11	10	N 88° W	7·0	0	0	0	..
81	1·8	0·5	6	2	10	8	1	2	1	0	1	N. 66° E	0	0	0	0	1	4	8	10	8	S 77° W	4·8	0	0	0	..
70	0	0	2	3	10	6	6	1	0	0	2	N. 68° E	0	0	0	0	1	1	5	10	13	N 79° W	5·3	0	0	0	..
71	1·0	1·3	10	5	4	7	3	0	0	0	2	N. 56° E	0	0	0	0	1	1	2	9	18	N 67° W	5·3	0	0	0	..
71	1·9	3·4	8	6	4	9	2	0	0	0	1	N. 57° E	0	1	0	0	1	5	1	4	18	N 67° W	5·2	0·12	0	0·03	28th
77	2·2	2·4	2	5	14	7	2	0	0	0	1	N. 51° E	1	4	0	1	4	1	0	1	19	N 38° W	4·8	1·57	2	1·42	11th
76	1·8	1·9	56	67	76	48	32	3	18	0	65	..	10	14	9	2	26	21	44	69	172	..	6·7	8·99	15	2·00	17th Jan.

(c) Mean of 27 days.

MONTHLY AND

Abstract of observations taken at 4 and 14 hrs. (G. M. T.)

Station and height of bar-cistern above sea-level in feet.	Month.	Pressure (Reduced to 32° F. and standard gravity.)		Temperature of Air.								Temperature wet bulb.		Vapour-tension in inches of mercury.		Hum
		Mean 4 hrs. (G. M. T.)	Mean 14 hrs. (G. M. T.)	Mean maximum.	Mean minimum.	Highest maximum.	Date.	Lowest minimum.	Date.	Mean 4 hrs. (G. M. T.)	Mean 14 hrs. (G. M. T.)	Mean 4 hrs. (G. M. T.)	Mean 14 hrs. (G. M. T.)	Mean 4 hrs. (G. M. T.)	Mean 14 hrs. (G. M. T.)	Mean 4 hrs. (G. M. T.)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Lingah (20)	January	30·030	29·983	65·6	(d) 51·4	72·2	19th	41·5	13th	55·4	61·6	51·7	56·6	·338	·392	77
	February	29·998	·935	73·6	56·8	86·5	24th	46·9	1st	62·0	68·9	59·1	63·4	·469	·512	84
	March	·871	·820	78·7	62·9	91·1	23rd	53·4	7th	69·5	74·1	64·5	67·4	·546	·588	75
	April	·765	·713	86·2	68·8	99·9	27th	60·8	8th	78·3	82·7	73·2	74·7	·757	·769	77
	May	·667	·590	97·8	76·9	111·9	16th	65·5	9th	86·5	91·6	78·6	79·7	·875	·860	71
	June	·474	·393	96·0	80·2	103·6	19th	74·5	2nd	88·5	94·0	84·3	85·9	1·122	1·132	84
	July	·392	·318	98·3	86·5	103·7	31st	82·4	6th	91·5	95·3	84·7	82·5	1·097	·938	74
	August	·501	·430	100·0	84·1	103·2	11th	79·5	28th	92·3	97·1	85·5	84·5	1·129	1·009	75
	September	·665	·607	96·3	81·2	100·1	14th	71·0	21st	89·4	92·6	83·2	82·5	1·056	·973	76
	October	·844	·766	90·6	73·9	95·5	6th	69·1	23rd	83·2	86·5	77·5	78·9	·868	·878	76
	November	·981	·912	83·9	65·9	87·8	22nd and 23rd	59·6	24th	72·2	79·3	67·3	71·3	·609	·659	76
	December	(b) 30·059	30·006	75·5	(b) 57·2	81·6	1st	51·1	23rd	(b) 61·8	71·5	(b) 56·8	63·7	(b) ·400	·491	(b) 72
	Year	29·771	29·706	87·7	70·5	111·9	16th May	41·5	13th Jan.	77·5	82·9	72·2	74·3	·772	·767	76
Henjam (100)	January	29·989	29·942	(b) 66·5	(b) 56·1	72·0	7th	51·0	13th	59·5	62·8	55·3	56·8	·382	·384	75
	February	·961	·901	73·6	59·9	83·7	24th	53·5	9th	63·8	69·1	60·1	62·0	·472	·477	79
	March	·840	·786	77·1	65·3	91·7	30th	56·5	7th	69·3	72·6	64·8	66·3	·559	·568	77
	April	·732	·653	85·6	(c) 71·2	98·7	30th	66·5	3rd	77·2	79·5	71·5	71·1	·697	·651	75
	May	·614	·538	92·0	77·1	103·2	16th	74·0	10th	83·4	86·7	77·0	76·2	·841	·764	74
	June	·428	·331	95·8	82·8	104·0	20th	76·0	1st	87·7	90·1	82·0	81·7	1·015	·974	78
	July	·345	·268	97·7	85·4	102·7	21st	73·1	8th	91·4	92·5	84·1	83·5	1·071	1·028	73
	August	·453	·386	101·2	84·5	106·2	11th	81·5	29th	90·5	95·2	83·4	80·5	1·046	·851	73
	September	·627	·553	94·9	83·3	101·2	1st and 21st	79·3	21st	87·4	89·7	82·4	82·7	1·034	1·033	80
	October	·800	·741	90·5	78·5	99·0	3rd	72·7	31st	82·4	85·1	75·7	75·8	·805	·752	72
	November	·933	·869	82·8	70·9	88·7	6th	67·0	26th	74·1	78·3	68·7	68·8	·631	·577	75
	December	30·013	·951	75·7	62·8	80·2	1st	56·0	23rd	65·4	71·6	58·7	61·1	·410	·403	65
	Year	29·728	9·660	86·1	73·1	106·2	11th Aug.	51·0	13th Jan.	77·7	81·1	72·0	72·2	·747	·705	75

(b) Mean of 30 days.

(d) Mean of 28 days.

ANNUAL TABLE D-2 FOR 1930.

t stations in Persia, etc.—contd.

DITY.	CLOUD.		WIND DIRECTION.																			WIND VELOCITY.	RAINFALL.			
			Total number of 4 hrs. (G. M. T.) winds from										Total number of 14 hrs. (G. M. T.) winds from													
Mean 14 hrs. (G. M. T.)	Mean 4 hrs. (G. M. T.)	Mean 14 hrs. (G. M. T.)	Calm.	N	NE	E	E	S	SW	W	NW	Mean wind direction at 4 hrs. (G.M.T.)	Calm.	N	NE	E	SE	S	SW	W	NW	Mean wind direction at 14 hrs. (G.M.T.)	Mean daily velocity in miles per hr.	Total rainfall.	Number of rainy days.	Heaviest rainfall.	Date.
18	19	20	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
71	4·4	5·2	3	6	8	4	0	0	0	3	7	N 6° E	7	1	6	7	0	1	4	4	1	N 60° E	7·0	1·97	5	0·88	22nd
72	2·0	2·5	6	3	0	6	0	0	0	3	4	N 24° E	4	0	0	4	4	1	9	6	1	S 32° W	5·7	0	0	0	..
70	2·6	2·9	6	2	8	8	1	0	1	2	3	N 49° E	1	0	3	4	2	2	10	8	1	S 47° W	6·6	2·41	3	1·41	4th
68	3·3	3·1	1	3	7	9	4	1	1	2	2	N 69° E	0	0	2	2	1	4	11	9	1	S 52° W	6·9	0·15	0	0·08	5th
59	1·1	0·4	2	0	4	10	5	1	2	4	3	S 84° E	0	0	0	1	1	1	15	12	1	S 61° W	7·0	0	0	0	..
71	1·5	0·1	1	0	1	14	8	4	2	0	0	S 61° E	0	0	0	0	0	9	14	7	0	S 41° W	5·6	0	0	0	..
57	2·3	1·3	0	1	3	16	4	5	2	0	0	S 72° E	3	0	0	1	2	8	11	6	0	S 33° W	6·1	0	0	0	..
58	1·3	1·3	0	0	6	22	2	1	0	0	0	N 86° E	0	0	0	2	3	8	11	7	0	S 31° W	6·4	0	0	0	..
64	1·9	0·4	0	1	6	19	1	0	0	3	0	N 78° E	0	0	0	1	2	5	11	11	0	S 49° W	5·0	0	0	0	..
70	1·8	1·0	0	8	12	11	0	0	0	0	0	N 50° E	0	0	0	2	3	8	4	14	0	S 45° W	5·5	0	0	0	..
66	2·0	2·7	0	13	13	2	0	0	0	0	2	N 22° E	0	0	0	2	4	4	8	12	0	S 46° W	4·8	0	0	0	..
63	(b) 2·9	2·6	0	15	4	4	0	0	0	2	5	(b) N 4° E	0	2	1	6	6	7	3	6	0	S 15° E	(c) 5·6	0·05	0	0·05	12th
66	2·3	1·9	19	52	78	125	25	12	8	19	26	..	15	3	12	32	28	58	110	102	5	..	6·1	4·58	8	1·41	4th Mar.
67	4·5	5·5	0	9	17	0	0	0	0	0	5	N 19° E	0	2	12	3	2	2	5	3	2	N 45° E	10·4	2·41	4	0·91	9th
65	2·3	2·4	2	10	8	1	0	0	1	1	5	N 4° E	2	0	5	1	0	1	11	8	0	S 65° W	7·5	0	0	0	..
71	4·2	3·0	4	6	8	2	1	1	5	3	1	N 9° E	1	1	0	6	2	0	15	6	0	S 40° W	8·2	2·67	3	1·50	4th
59	3·0	4·6	2	4	7	2	2	2	7	2	2	N	0	0	1	3	2	2	14	8	0	S 45° W	8·3	0·27	1	0·27	2nd
61	1·0	1·0	1	1	4	3	1	1	13	4	3	S 61° W	0	1	0	0	0	4	20	6	0	S 50° W	9·2	0	0	0	..
69	1·3	0·8	2	1	3	4	2	1	7	5	5	S 83° W	3	0	1	0	3	0	15	8	0	S 53° W	6·4	0	0	0	..
68	2·4	3·4	1	3	11	5	1	1	5	1	3	N 42° E	1	0	1	5	4	2	10	6	2	S 32° W	5·9	0	0	0	..
52	2·0	2·5	0	6	18	6	0	0	0	0	1	N 42° E	1	1	1	4	7	3	10	8	1	S 5° W	7·3	0	0	0	..
74	1·5	0·3	0	5	11	4	5	0	4	0	1	N 59° E	0	0	0	3	4	0	21	1	1	S 32° W	6·6	0	0	0	..
62	1·3	0·7	0	5	22	0	1	0	3	0	0	N 38° E	3	0	0	3	6	1	17	1	0	S 18° W	6·3	0	0	0	..
60	1·7	0·9	0	12	13	0	1	0	2	0	2	N 19° E	1	0	0	6	4	2	16	1	0	S 12° W	6·0	0·03	0	0·03	8th
52	3·0	2·4	0	16	11	0	0	0	2	1	1	N 11° E	1	1	8	2	3	2	12	2	0	S 7° W	7·8	0·43	1	0·34	12th
63	2·3	2·2	12	78	133	27	14	6	49	17	29	..	13	6	29	36	37	19	166	53	6	..	7·5	5·61	9	1·50	4th Mar.

(c) Mean of 29 days.

MONTHLY AND

Abstract of observations taken at 4 and 14 hrs. (G. M. T.)

Station and Height of barcistern above sea level in feet.	Month.	Pressure. (Reduced to 32° F. and standard gravity.)		Temperature of Air.								Temperature wet bulb.		Vapour tension in inches of mercury.		Humi
		Mean 4 hrs. (G. M. T.)	Mean 14 hrs. (G. M. T.)	Mean maximum.	Mean minimum.	Highest maximum.	Date.	Lowest minimum.	Date.	Mean 4 hrs. (G. M. T.)	Mean 14 hrs. (G M. T.)	Mean 4 hrs. (G. M. T.)	Mean 14 hrs. (G. M. T.)	Mean 4 hrs. (G. M. T.)	Mean 14 hrs. (G.M. T.)	Mean 4 hrs. (G. M. T.)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Jask (18)	January	30·069	30·013	70·1	57·5	76·7	22nd	49·9	13th	60·9	66·7	55·5	58·0	·376	·392	68
	February	·037	29·977	76·1	(e) 63·4	84·9	24th	53·8	1st	65·7	71·3	59·9	63·7	·446	·496	69
	March	29·905	·851	81·7	(e) 69·2	88·4	29th & 30th.	62·6	4th	70·1	76·4	64·1	68·0	·529	·580	71
	April	·804	·750	87·0	(c) 76·0	97·2	27th	69·8	10th	77·1	82·3	70·4	73·4	·657	·702	71
	May	·689	·619	92·3	79·7	99·2	30th	75·0	11th	83·7	88·2	74·3	76·7	·728	·767	63
	June	·505	·425	96·1	83·5	101·8	19th	79·0	8th	88·6	92·3	81·1	82·6	·969	·985	72
	July	·458	·383	95·0	85·7	100·0	7th & 8th	76·1	13th	89·0	91·1	82·8	83·7	1·299	1·060	76
	August	·556	·500	96·0	84·6	102·8	27th	79·8	25th	89·0	91·6	81·7	84·1	·995	1·072	73
	September	·722	·650	93·1	80·9	98·4	30th	77·3	20th	85·8	89·1	80·8	83·1	·994	1·053	80
	October	·889	·823	90·5	76·3	100·2	3rd	68·4	31st	81·0	84·7	74·6	78·9	·782	·915	75
	November	30·033	·968	83·9	69·5	87·4	2nd	64·7	5th	73·9	78·0	67·7	70·7	·595	·653	71
	December	·090	30·029	77·9	64·0	80·7	28th	59·5	22nd	67·1	72·9	59·1	64·1	·396	·484	69
	Year	29·813	29·749	86·6	74·2	102·8	27th Aug.	49·9	13th Jan.	77·7	82·1	71·0	74·0	·731	·763	71
Muscat (20)	January	30·000	29·951	71·5	60·4	79·2	22nd	52·1	14th	64·9	67·8	59·2	60·9	·448	·448	74
	February	29·980	·922	79·5	61·1	96·2	24th	49·4	10th	67·5	74·0	59·6	64·5	·409	·474	62
	March	·854	·799	82·3	68·0	96·3	31st	58·2	14th	75·3	79·7	66·4	67·7	·535	·521	61
	April	·755	·705	93·2	75·1	109·6	27th	67·5	9th	84·3	86·5	70·9	71·6	·579	·544	61
	May	·645	·586	102·5	82·3	112·0	29th	74·5	11th	94·2	97·1	77·6	76·3	·730	·634	54
	June	·447	·380	103·5	86·0	114·0	6th	81·3	13th & 14th	95·0	98·2	80·7	80·1	·857	·785	54
	July	·387	·319	97·5	85·9	105·6	22nd	81·3	13th	89·6	92·9	81·8	80·8	·983	·880	7[illegible]
	August	·498	·442	100·3	82·5	109·0	6th	75·3	28th	88·6	94·3	79·1	78·2	·838	·755	6[illegible]
	September	·663	·599	97·8	79·4	109·0	22nd	72·3	29th	87·8	91·6	78·5	77·3	·851	·751	[illegible]
	October	·832	·772	..	74·8	101·5	5th	63·1	31st	83·8	86·6	73·9	74·7	·710	·704	[illegible]
	November	·966	·903	(f) 81·4	63·7	82·8	30th	55·5	6th	73·3	78·7	63·6	67·4	·462	·578	[illegible]
	December	30·033	·985	79·1	61·2	84·9	1st	51·5	26th	66·6	74·3	59·9	64·6	·433	·479	[illegible]
	Year	29·755	29·697	(a) 89·9	73·4	114·0	6th June	49·4	10th Feb.	80·8	85·1	70·9	72·0	·653	·624	[illegible]

(a) Mean of 29 days. (c) Mean of 27 days.

ANNUAL TABLE D-2 FOR 1930 —*contd.*

at stations in Persia, etc.—contd.

DITY.	CLOUD.		WIND DIRECTION.																				WIND VELOCITY.	RAINFALL.			
			Total number of 4 hrs. (G. M. T.) winds from									Mean wind direction at 4 hrs. (G.M.T.)	Total number of 14 hrs. (G. M. T.) winds from									Mean wind direction at 14 hrs. (G.M.T.)					
Mean 14 hrs. (G. M. T.)	Mean 4 hrs. (G. M. T.)	Mean 14 hrs. (G. M. T.)	Calm.	N	NE	E	SE	S	SW	W	NW		Calm.	N	NE	E	SE	S	SW	W	NW		Mean daily velocity in miles per hr.	Total rainfall.	Number of rainy days.	Heaviest rainfall.	Date.
18	19	20	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
59	5·3	4·5	1	11	10	8	0	0	0	1	0	N 32° E	5	0	0	[illegible]	4	2	0	7	6	S 65° W	9·8	5·93	7	2·43	23rd
63	2·4	2·4	1	8	6	7	0	0	0	2	4	N 23° E	1	0	0	2	4	5	2	8	6	S 60° W	8·2	0	0	0	..
63	2·5	2·3	4	4	8	7	1	0	0	3	4	N 33° E	2	0	1	2	2	1	3	11	9	N 81° W	8·4	0·82	1	0·74	4th
64	1·4	2·2	9	0	3	9	0	0	0	3	6	N 32° E	2	0	1	1	2	2	8	8	6	S 74° W	8·2	0·04	0	0·04	3rd
58	0·3	0·2	4	1	0	12	1	0	1	5	7	N 26° E	0	0	0	0	3	3	6	11	8	S 78° W	10·0	0	0	0	..
65	1·5	1·5	5	1	0	14	5	2	0	1	2	S 79° E	0	0	0	2	6	4	7	7	4	S 40° W	9·3	0	0	0	..
73	3·2	2·7	0	0	0	25	4	0	0	1	1	S 86° E	1	0	0	0	12	14	4	0	0	S 13° E	10·9	0·71	1	0·71	18th
73	1·5	1·6	5	4	1	18	2	0	0	0	1	N 78° E	1	0	0	0	11	7	8	1	3	S 3° W	8·3	0	0	0	..
77	2·3	1·1	2	2	0	21	5	0	0	0	0	S 87° E	2	0	0	0	5	9	7	5	2	S 26° W	7·6	0	0	0	..
77	0·7	1·9	1	4	8	14	0	0	0	0	4	N 54° E	3	0	0	0	5	3	5	8	7	S 68° W	7·6	0·38	1	0·38	28th
68	2·2	2·4	3	7	8	4	1	0	0	2	5	N 17° E	0	0	0	0	4	8	6	8	4	S 45° W	7·3	0	0	0	..
60	3·0	2·9	4	12	11	3	0	0	0	0	1	N 26° E	2	0	0	2	2	2	7	9	7	S 77° W	7·6	1·09	1	1·07	18th
67	2·2	2·1	39	54	55	142	19	2	1	18	35	..	19	0	2	16	60	60	63	83	62	..	8·6	8·97	11	2·43	23rd Jan.
65	6·9	5·3	14	1	0	0	2	4	3	6	1	S 52° W	5	5	3	5	3	0	0	2	8	N 8° E	4·5	5·61	10	2·43	24th
56	2·3	2·4	12	0	1	1	1	6	1	5	1	S 34° W	8	6	5	5	4	1	0	0	4	N 45° E	4·3	0·02	0	0·01	8th & 9th
52	2·5	1·8	18	1	2	0	1	1	2	5	1	W	1	4	7	9	0	0	0	2	8	N 24° E	5·1	0·04	0	0·04	29th
49	2·1	3·8	11	1	1	0	4	3	2	5	3	S 56° W	1	6	7	6	4	0	1	1	4	N 42° E	5·1	0·23	1	0·12	3rd
37	0·2	0·9	4	3	4	0	0	5	4	8	3	N 89° W	3	9	5	2	1	0	0	4	7	N 10° W	5·0	0	0	0	..
45	2·6	2·4	8	3	4	3	3	4	2	2	1	S 75° E	4	7	11	2	3	1	0	1	1	N 40° E	5·1	0	0	0	..
58	4·3	3·2	3	7	7	6	1	1	1	2	3	N 30° E	1	5	7	11	6	0	0	1	0	N 73° E	5·1	0	0	0	..
49	2·3	2·0	13	5	8	2	1	1	0	0	1	N 39° E	0	12	13	4	2	0	0	0	0	N 36° E	5·2	0	0	0	..
51	0·7	0·7	11	4	5	1	1	5	0	2	1	N 45° E	4	8	8	4	4	1	0	0	1	N 48° E	4·1	0	0	0	..
56	0·8	1·2	20	1	1	0	1	0	2	6	0	S 86° W	7	7	5	7	2	1	0	1	1	N 49° E	3·5	0	0	0	..
53	0·6	1·0	23	1	0	0	1	4	0	1	0	S 5° W	2	5	10	5	2	1	0	0	5	N 38° E	3·5	0	0	0	..
56	2·1	0·9	20	0	0	0	0	3	2	6	0	S 59° W	2	7	1	10	0	1	0	2	8	N 14° E	4·0	0	0	0	..
52	2·3	2·1	157	27	33	13	16	37	19	48	15	..	33	81	82	70	31	6	1	14	47	..	4·5	5·90	11	2·48	24th Jan.

(*f*) Mean of 26 days. (*a*) Mean of 11 months.

Abstract of observations taken at 4 and 14 hrs. (G. M. T.)

Station and Height of bar-cistern above sea-level in feet.	Month.	Pressure. (Reduced to 32° F. and standard gravity.)		Temperature of Air.								Temperature wet bulb.		Vapour tension in inches of mercury.		Hum-
		Mean 4 hrs. (G. M. T.)	Mean 14 hrs. (G. M. T.)	Mean maximum.	Mean minimum.	Highest maximum.	Date.	Lowest minimum.	Date.	Mean 4 hrs. (G. M. T.)	Mean 14 hrs. (G. M. T.)	Mean 4 hrs. (G. M. T.)	Mean 14 hrs. (G. M. T.)	Mean 4 hrs. (G. M. T.)	Mean 14 hrs. (G. M. T.)	Mean 4 hrs. (G. M. T.)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Chabar (25)	January	30·053	29·997	70·2	56·6	77·8	21st	48·0	14th	59·8	66·4	54·6	59·2	·364	·414	69
	February	·014	·965	75·2	58·7	84·5	23rd	50·9	1st	63·0	71·5	58·2	64·6	·436	·522	73
	March	29·883(b)	·840(e)	81·2(b)	65·5(d)	89·0	29th	60·0	2nd	69·2(b)	75·7(e)	63·4(b)	70·7(e)	·584(b)	·690(e)	80(b)
	April (e)	·791	·742	86·5	71·9	96·9	29th	65·2	10th	76·8	80·1	71·8	74·5	·721	·773	77
	May	·685	·638	90·3	77·4	96·5	31st	73·5	9th	81·2	86·0	78·1	80·1	·916	·946	86
	June	·499	·427	93·5	82·3	98·5	7th	78·0	3rd	84·3	89·4	80·7	84·2	1·000	1·102	85
	July	·468	·413(b)	91·1	82·2	93·5	7th	77·5	12th	84·3	86·5(b)	81·9	84·3(b)	1·049	1·141(b)	89
	August	·564	·513	90·7	80·3	98·5	23rd	76·2	29th	82·9	86·1	78·8	81·2	·931	1·000	83
	September	·7[illegible]9	·671(c)	88·8(b)	78·0	91·5	30th	72·0	29th	80·7	83·7(c)	77·3	79·3(c)	·887	931(c)	85
	October	·8[illegible]0	·830(b)	87·5	73·5(b)	92·9	20th	62·5	31st	76·8	85·5(b)	73·0	76·4(b)	·766	835(b)	82
	November	30·027	·969(d)	83·2(c)	65·1	87·8	17th	56·9	29th	70·2	77·5(d)	63·8	69·3(d)	·510	·606(d)	69
	December	29·982(c)	·944(f)	80·0(d)	60·8(c)	86·0	5th	54·0	26th	65·7(c)	75·0(f)	..	..	..	..	66(c)
	Year	29·799	·746	84·9	71·0	98·5	7th June and 23rd Aug.	48·0	14th Jan.	74·6	80·3	71·1(a)	74·9(a)	·742(a)	·815(a)	78
Gwadur (22)	January	30·050	29·9[illegible]5	69·9	57·2	75·6	19th	48·3	15th	61·7	65·4	55·7	58·4	·377	·406	65
	February	·024	·962	76·6	60·3	91·0	23rd	46·4	10th	65·0	70·5	60·8	62·4	·494	·475	77
	March	29·901	·827	83·4	66·4	93·7	24th	57·0	13th	72·2	75·8	66·8	68·3	·597	·598	74
	April	·813	·735	88·[illegible]	72·9	100·8	10th	64·4	9th	79·0	80·5	73·3	73·2	·756	·723	77
	May	·711	·626	92·3	78·4	101·6	7th	74·6	15th and 21st	82·6	85·5	80·1	77·9	·894	·851	80
	June	·518	·437	93·4	82·0	103·7	7th and 27th	77·4	23rd	86·2	86·9	8[illegible]·5	81·0	·966	·988	77
	July	·486	·424	88·7	80·8	91·6	1st	75·6	28th	83·2	84·3	78·5	78·5	·913	·894	80
	August	·585	·519	87·9	77·0	97·6	23rd	71·9	28th	80·4	82·1	76·9	77·1	·845	·862	81
	September	·742	·657	88·4	76·1	97·3	29th	72·0	14th	80·2	81·5	76·5	77·2	·868	·880	84
	October	·893	·808	89·5	72·2	96·8	2nd	65·3	31st	78·1	81·6	73·9	74·8	·798	·780	82
	November	30·017	·949	83·8	63·3	88·1	19th	57·0	5th	71·7	76·1	66·7	68·6	·594	·602	76
	December	·962	30·001	78·8	60·6	82·6	2nd and 5th	51·5	26th	66·4	72·2	58·8	63·7	·400	·479	61
	Year	29·817	29·745	85·0	70·6	103·7	7th and 27th June.	46·4	10th Feb.	75·6	78·5	70·7	71·8	·708	·711	76

(a) Mean of 11 months. (b) Mean of 30 days. (c) Mean of 29 days

ANNUAL TABLE D-2 FOR 1930—*contd.*

at stations in Persia, etc.—contd.

DITY.	CLOUD.		WIND DIRECTION.																			WIND VELOCITY.	RAINFALL.			
			Total number of 4 hrs. (G M. T.) winds from										Total number of 14 hrs. (G M. T.) winds from													
Mean 14 hrs. (G. M. T.)	Mean 4 hrs. (G. M. T.)	Mean 14 hrs. (G. M. T.)	Calm	N	NE	E	SE	S	SW	W	NW	Mean wind direction at 4 hrs. (G.M.T.)	Calm	N	NE	E	SE	S	SW	W	NW	Mean wind direction at 14 hrs. (G.M.T.)	Mean daily velocity in miles per hr.	Total rainfall.	Number of rainy days.	Heaviest rainfall.	Date.
18	19	20	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
63	3·7	3·4	13	2	8	4	1	0	0	0	3	N 43°E	11	2	1	3	6	3	2	0	3	S 49° E	6·8	7.15	5	2·35	11th
66	0·9	0·9	15		4	4	0	0	0	0	2	N 37°E	12	2	0	1	3	4	4	1	1	S 12° W	4·3	0·64	1	0·64	8th
77(e)	0	0	23	1	0	4	0	0	0	0	2	N 47°E(b)	19	1	0	1	2	1	2	0	1	S 9° E(e)	5·1(b)	0	0	0	..
73	0·7	0·3	22	0	2	0	0	0	2	0	3	N 45°W	20	0	1	0	2	0	2	0	4	N 72° W	5·4(d)	0·30	1	0·30	3rd
77	0	0	25	0	3	1	1	0	0	0	1	N 56°E	22	0	0	0	6	0	1	0	2	S 32° E	5·1	0	0	0	..
80	0·3	0	29	0	0	0	0	0	0	0	1	N 45°W	26	0	0	0	2	0	1	0	1	S	5·8	0	0	0	..
91(b)	1·8	0·9(b)	31	0	0	0	0	0	0	0	0	Calm	28	0	0	0	2	0	0	0	0	S 45° E (b)	7·9	0·67	2	0·37	12th
80	0	0	31	0	0	0	0	0	0	0	0	Calm	31	0	0	0	0	0	0	0	0	Calm	6·5	0	0	0	..
81(c)	0·3	0	29	0	1	0	0	0	0	0	0	N 45°E	29	0	0	0	0	0	0	0	0	Calm(c)	8·7	0	0	0	..
75(b)	·0	0	29	0	2	0	0	0	0	0	0	N 45°E	26	0	0	0	1	1	2	0	0	S 13° W (b)	8·9	0	0	0	.
65(d)	·0	0	30	0	0	0		0	9	0	0	Calm	28	0	0	0	0	0	0	0	0	Calm(d)	10·2	0	0	0	..
57(f)	·0	0	17	1	3	4	3	0	0	0	1	N77°E(c)	5	1	1	0	2	4	8	2	3	S 47° W (f)	..	0	0	0	..
74	0·7	0·5	294	7	23	17	5	0	2	0	13	..	257	6	3	5	26	13	22	3	15	..	7·0(a)	8·76	9	2·95	11th Jan.
68	5·4	5·5	2	5	5	3	1	1	0	6	8	N 20° W	7	0	1	5	2	1	6	7	2	S 50° W	7·2	2·53	4	0·89	11th
62	3·9	2·4	5	3	4	2	0	0	1	8	5	N 41°W	3	0	2	0	6	3	10	4	0	S 23° W	5·7	0·72	2	0·61	8th
67	2·9	2·6	3	5	2	3	0	0	1	15	2	N 61°W	1	0	0	2	3	2	18	4	1	S 39° W	6·6	0·03	0	0·03	28th
70	3·3	3·2	5	0	2	4	2	1	4	12	0	S 64° W	1	0	0	1	2	4	17	5	0	S 40° W	6·9	0	0	0	..
70	3·1	2·0	4	1	4	5	1	1	5	8	2	W	1	1	0	0	0	13	14	2	0	S 29° W	7·1	0	0	0	..
76	5·5	3·4	0	2	4	6	2	0	5	11	0	S 89°W	2	0	0	2	2	11	11	2	0	S 18° W	6·4	0·37	1	0·31	28th
76	9·7	7·5	4	0	7	6	5	3	5	1	0	S 62°E	0	0	0	0	12	16	3	0	0	S 14° E	5·9	0·39	1	0·14	2nd
79	8·1	5·8	5	0	9	3	6	0	4	3	1	E	2	0	0	0	4	11	13	1	0	S 18° W	5·5	0	0	0	..
82	6·2	3·1	6	0	8	1	0	2	4	9	0	N 81°W	1	0	0	0	1	9	16	3	0	S 33° W	5·3	0	0	0	..
73	4·3	1·5	7	1	3	1	2	0	1	12	4	N 71°W	1	1	0	0	2	6	18	3	0	S 36° W	5·8	0	0	0	..
67	1·9	0·8	12	0	3	0	0	0	0	8	7	N 57°W	5	0	0	2	1	3	15	4	0	S 40° W	4·7	0	0	0	..
60	2·5	1·8	6	5	5	1	0	0	0	5	9	N 25°W	10	0	0	1	1	2	11	5	1	S 50° W	5·0	0	0	0	.
70	4·7	3·3	59	22	56	35	19	8	30	98	38	..	34	2	3	13	36	81	152	40	4	..	6·0	4·04	8	0·89	11th Jan.

(d) Mean of 28 days. (e) Mean of 27 days. (f) Mean of 26 days.

MONTHLY AND

Abstract of observations taken at 4 and 14 hrs. (G. M. T.)

Station and Height of bar-cistern above sea-level in feet.	Month.	Pressure. (Reduced to 32° F. and standard gravity.)		Temperature of Air.								Temperature wet bulb.		Vapour-tension in inches of mercury.		Humi
		Mean 4 hrs. (G. M. T.)	Mean 14 hrs. (G. M. T.)	Mean maximum.	Mean minimum.	Highest maximum.	Date.	Lowest minimum.	Date.	Mean 4 hrs. (G. M. T.)	Mean 14 hrs. (G. M. T.)	Mean 4 hrs. (G. M. T.)	Mean 14 hrs. (G. M. T.)	Mean 4 hrs. (G. M. T.)	Mean 14 hrs. (G. M. T.)	Mean 4 hrs. (G. M. T.)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Pasni (10)	January	30·055	29·987	69·7	54·9	76·3	9th	45·5	14th	59·8	63·7	54·5	58·0	·360	·417	67
	February	·020	·956	76·0	56·5	88·8	22nd	46·7	1st	63·1	68·8	57·2	62·5	·406	·497	67
	March	29·897	·820	84·7	63·4	96·4	24th	56·8	13th	71·3	75·0	65·1	70·8	·545	·707	67
	April	·810	·735	89·5	70·1	102·3	29th	60·8	10th	79·9	80·3	72·9	76·5	·721	·866	71
	May	·699	·633	93·1	75·5	104·6	7th	71·0	8th	84·7	84·5	78·7	80·7	·905	·991	76
	June	·521	·447	94·1	80·8	104·6	27th	77·1	7th	87·7	86·7	82·1	83·4	1·024	1·107	78
	July	·491	·434	88·7	80·0	92·6	1st	75·2	2nd	83·8	84·5	81·0	82·0	1·021	1·061	88
	August	·590	·525	88·0	77·3	101·0	23rd	72·7	30th	81·7	81·2	78·2	79·2	·924	·974	85
	September	·742	·656	88·8	74·7	100·6	29th	68·9	30th	80·6	80·5	76·2	78·5	·847	·947	82
	October	·879	·809	90·7	69·8	99·7	1st	60·0	1st	79·1	79·5	72·2	75·8	·707	·846	71
	November	·987	·933	84·1	60·9	90·2	5th	53·7	15th	71·3	74·0	63·4	68·1	·485	·612	63
	December	30·051	·990	79·3	57·6	85·7	5th	51·9	24th	65·3	70·2	58·5	63·5	·410	·501	64
	Year	29·812	29·744	85·6	68·5	104·6	7th May and 27th June	45·5	14th Jan.	75·7	77·4	70·0	73·3	·696	·794	73
Panjgur (3,177)	January	26·821	26·763	55·4	38·1	67·0	9th	28·7	2nd	41·9	49·8	38·5	43·2	·201	·207	73
	February	·826	·755	69·7	42·4	81·5	24th	29·6	1st	48·7	63·9	42·7	51·7	·216	·253	59
	March	·752	·681	79·8	50·5	90·4	19th	35·4	1st and 2nd.	62·8	72·5	52·5	59·1	·316	·341	60
	April	·694	·619	87·2	60·7	100·8	30th	49·4	10th	70·1	80·2	60·4	63·7	·418	·416	55
	May	·641	·560	98·9	69·0	104·0	28th	63·4	15th	80·9	92·0	69·4	73·5	·583	·617	57
	June	·496	·409	104·1	75·3	109·8	15th and 24th	69·4	6th	86·5	96·9	72·0	75·0	·624	·625	49
	July	·428	·353	99·5	75·5	107·4	21st	70·4	14th	80·1	92·1	73·1	71·7	·733	·543	72
	August	·519	·440	100·6	72·3	106·0	2nd	61·4	28th	82·1	94·6	67·5	68·0	·509	·381	46
	September	·669	·594	95·4	66·1	103·8	7th	54·2	28th	77·0	89·1	62·5	65·2	·393	·328	42
	October	·791	·720	87·2	58·7	98·4	6th	48·6	30th and 31st.	68·1	79·1	57·3	63·8	·341	·392	49
	November	·861	·794	78·4	46·4	82·6	6th	37·4	3rd	55·5	69·7	45·1	52·9	·176	·196	40
	December	·897	·831	66·8	38·4	75·8	1st	30·0	21st	45·4	58·2	37·5	45·2	·136	·147	43
	Year	26·699	·627	85·3	57·8	109·8	15th and 24th June	28·7	2nd Jan.	66·6	78·2	56·5	61·0	·387	·371	54

ANNUAL TABLE D-2 FOR 1930—*contd.*

at stations in Persia, etc.—contd.

DITY.	CLOUD.		WIND DIRECTION.																				WIND VELOCITY.	RAINFALL.			
			Total number of 4 hrs. (G. M. T.) winds from									Mean wind direction 4 hrs. (G.M.T.)	Total number of 14 hrs. (G. M. T.) winds from									Mean wind direction at 14 hrs. (G.M.T.)					
Mean 14 hrs. (G. M. T.)	Mean 4 hrs. (G. M. T.)	Mean 14 hrs. (G. M. T.)	Calm	N	NE	E	SE	S	SW	W	NW		Calm.	N	NE	E	SE	S	SW	W	NW		Mean daily velocity in miles per hr.	Total rainfall.	Number of rainy days.	Heaviest rainfall.	Date.
18	19	20	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
69	4·5	5·0	0	10	3	6	0	0	1	3	8	N 4° W	0	2	1	5	3	3	6	8	3	S 55° W	7·1	2·86	5	1·20	11th
68	3·1	2·1	5	5	1	2	0	0	0	4	11	N 34° W	1	2	1	1	2	4	7	9	1	S 59° W	5·6	0	0	0	..
81	1·8	2·1	2	6	2	3	0	0	0	7	11	N 34° W	0	0	0	0	1	2	15	13	0	S 60° W	7·6	0	0	0	..
84	1·8	2·4	2	3	1	2	1	0	1	11	9	N 59° W	0	0	0	1	1	0	12	16	0	S 63° W	7·9	0	0	0	..
85	1·5	1·7	1	1	0	2	1	1	3	17	5	N 88° W	0	0	0	0	0	0	15	15	1	S 70° W	8·7	0	0	0	..
87	2·3	2·3	1	0	1	6	5	1	1	11	4	S 68° W	0	1	0	3	2	1	14	9	0	S 52° W	7·9	0·15	1	0·15	30th
90	9·5	6·0	4	0	0	2	7	3	7	7	1	S 26° W	1	0	0	0	0	6	21	3	0	S 41° W	6·8	5·15	5	2·78	2nd
91	7·9	4·1	2	0	1	2	4	2	10	8	2	S 49° W	0	0	0	0	0	1	22	8	0	S 55° W	7·3	0	0	0	..
91	4·7	0·5	3	1	1	7	4	0	2	9	3	S 79° W	0	0	0	0	0	1	15	14	0	S 64° W	7·7	0	0	0	..
84	2·1	0·5	3	4	2	3	0	1	0	7	11	N 41° W	1	1	0	0	2	1	11	14	1	S 68° W	7·3	0	0	0	..
73	0·4	0·1	8	6	2	0	0	0	0	5	9	N 36° W	4	0	1	0	0	1	11	12	1	S 70° W	5·2	0	0	0	..
68	1·0	0·2	5	8	3	3	0	0	0	2	10	N 13° W	8	1	1	1	1	1	7	10	1	S 72° W	5·5	0	0	0	..
81	3·4	2·3	36	44	17	38	22	8	25	91	84	..	15	7	4	11	12	21	156	131	8	..	7·0	8·16	11	2·78	2nd July.
56	5·2	4·9	1	7	16	4	1	0	0	0	2	N 37°E	3	8	6	0	1	3	4	3	3	N 21° W	5·1	1·99	6	0·58	25th
40	2·9	3·3	0	3	18	6	0	0	0	0	1	N 47°E	2	4	3	0	0	2	7	8	2	N 87°W	5·3	0·07	0	0·07	8th
43	1·4	2·6	2	3	14	9	1	1	0	1	0	N 59°E	2	5	4	0	0	2	8	6	4	N 76° W	5·6	0·34	2	0·17	4th and 7th
39	1·7	3·8	5	4	8	5	2	1	2	1	2	N 49°E	0	8	1	0	0	3	8	8	2	N 84°W	5·6	0·94	1	0·90	4th
41	0·5	1·9	3	3	9	3	1	2	6	2	2	N 33°E	1	6	1	0	0	0	10	5	8	N 73° W	5·1	0·01	0	0·01	19th
37	0·8	2·2	7	4	6	4	0	0	3	3	3	N 7°E	0	7	2	2	1	1	5	3	9	N 43° W	5·2	0·25	1	0·16	28th
39	5·0	4·1	6	1	2	0	0	5	10	6	1	S 54°W	1	1	0	2	1	5	10	7	4	S 57° W	7·3	2·96	4	1·83	1st
24	1·6	1·8	9	2	3	2	2	4	3	3	3	S 52°W	4	10	3	1	0	0	0	2	11	N 18° W	4·1	0	0	0	..
25	0·3	1·0	8	4	7	3	1	2	2	1	2	N 38°E	1	12	6	0	0	1	1	3	6	N 12° W	4·0	0	0	0	..
40	1·2	1·8	0	4	16	9	1	0	0	0	1	N 53°E	4	10	6	0	0	1	4	1	5	N 12° W	4·6	0	0	0	..
28	1·0	1·1	1	2	18	9	0	0	0	0	0	N 56°E	7	5	3	0	0	1	6	5	3	N 66° W	3·7	0	0	0	..
29	1·7	1·6	0	2	17	9	1	0	1	1	0	N 58°E	3	11	9	0	0	0	3	2	3	N	5·1	0	0	0	..
37	1·9	2·5	42	39	134	63	10	15	27	18	17	..	28	87	44	5	3	19	66	53	60	..	5·1	6·56	14	1·83	1st July.

MONTHLY AND

Abstract of observations taken at 4 and 14 hrs. (G. M. T.)

Station and Height of barcistern above sea-level in feet.	Month.	Pressure. (Reduced to 32° F. and standard gravity.) Mean 4 hrs. (G. M. T.)	Mean 14 hrs. (G. M. T.)	Temperature of Air. Mean maximum.	Mean minimum.	Highest maximum.	Date.	Lowest minimum.	Date.	Mean 4 hrs. (G. M. T.)	Mean 14 hrs. (G. M. T.)	Temperature wet bulb. Mean 4 hrs. (G. M. T.)	Mean 14 hrs. (G. M. T.)	Vapour-tension in inches of mercury. Mean 4 hrs. (G. M. T.)	Mean 14 hrs. (G. M. T.)	Humi- Mean 4 hrs. (G. M. T.)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Ormara (15)	January	30·045	29·975	71·0	55·8	78·0	20th	44·9	14th	62·1	66·1	54·2	56·2	·323	·327	56
	February	·020	·947	73·1	58·3	89·0	16th	47·2	10th	66·0	71·0	59·4	60·0	·436	·382	65
	March	29·887	·816	83·8	67·1	95·1	24th	59·4	4th	74·4	77·1	67·1	67·6	·548	·552	67
	April	·804	·722	88·9	74·1	98·7	24th	65·5	12th	80·3	81·6	73·9	72·7	·752	·684	73
	May	·708	·628	91·7	79·3	101·6	9th	73·1	9th.	83·9	84·7	79·2	78·7	·931	·981	81
	June	·518	·442	94·8	82·5	103·8	27th	76·8	28th	86·9	86·9	82·8	82·2	1·061	1·027	83
	July	·494	·437	87·8	80·3	91·3	9th	77·2	13th	82·8	83·8	78·5	78·2	·912	·884	82
	August	·588	·528	87·1	78·1	96·2	23rd	72·7	31st	80·7	80·4	76·1	75·5	·817	·811	79
	September	·736	·654	87·7	77·0	97·6	29th and 30th.	69·3	29th	80·5	80·5	75·9	76·8	·833	·870	81
	October	·874	·800	89·9	71·4	99·0	11th	62·9	3rd	79·5	81·4	73·6	74·6	·751	·766	75
	November	30·063	·929	84·1	62·7	87·8	9th	57·2	3rd	72·9	76·4	66·4	68·4	·567	·586	71
	December	·046	·975	80·0	56·7	85·6	5th	48·7	30th	67·7	71·8	59·9	63·1	·417	·496	61
	Year	29·810	29·738	85·4	70·3	103·8	27th June	44·9	14th Jan.	76·5	78·5	70·6	71·2	·696	·687	73
*Japahan (5,817)	January	24·27	24·28	81·0	12·3	88·7	24th	—2·8	13th and 29th	16·8	22·7	..	..	..	..	..
	February	·27	·23	47·0	24·1	66·1	22nd	7·2	4th and 5th	28·8	39·4	..	35·8	..	·181	..
	March	·27	·24(b)	63·4	38·2	76·1	14th	27·0	3rd	44·8	(b) 56·8	39·1	(b) 43·8	·184	(b) ·153	63
	April	·26	·23	71·3	47·2	81·5	11th	36·2	8th and 9th	55·9	65·2	47·5	50·0	·242	·202	55
	May	·38	·28	85·2	56·2	90·6	6th	51·0	1st	67·7	78·1	54·3	59·4	·284	·312	43
	June	·22	·16	94·8	63·1	101·3	21st	56·2	1st	76·6	89·4	60·3	64·5	·556	·345	41
	July	·12	·07	100·4	70·9	106·9	5th	62·7	30th	82·9	96·6	64·7	67·2	·426	·362	38
	August	·27	·26	93·2	61·8	97·5	7th	54·3	24th	73·2	89·9	56·6	61·3	·287	·244	35
	September	·32	·31	89·9	57·7	98·2	1st and 2nd	52·1	30th	69·4	85·5	55·7	60·0	·301	·258	42
	October (b)	·39	·35	76·5	46·3	91·0	2nd	40·4	24th	57·7	68·3	47·8	52·0	·331	·224	51
	November	·37	·35	66·9	39·4	77·5	3rd	32·0	29th	46·5	58·3	40·7	48·5	·195	·241	62
	December	·34	·37	54·9	30·1	65·2	31st	25·2	8th and 22nd	34·5	47·6	..	40·8	..	·186	..
	Year	·29	·27	72·9	45·6	106·9	5th July.	—2·8	13th and 29th Jan.	54·6	66·5	(n) 51·9	(r) 53·0	(n) ·312	(n) ·246	(n) 48

(b) Mean of 30 days. (n) Mean of 9 months. (c) Mean of 29 days. (r) Mean of 11 months.

ANNUAL TABLE D-2 FOR 1930—*contd.*

at stations in Persia, etc.—contd.

Mean 14 hrs. (G. M. T.)	Cloud. Mean 4 hrs. (G. M. T.)	Cloud. Mean 14 hrs. (G. M. T.)	Wind Direction. Total number of 4 hrs. (G. M. T.) winds from: Calm.	N	NE	E	SE	S	SW	W	NW	Mean wind direction at 4 hrs. (G.M.T.)	Total number of 14 hrs. (G. M. T.) winds from: Calm.	N	NE	E	SE	S	SW	W	NW	Mean wind direction at 14 hrs. (G.M.T.)	Wind velocity. Mean daily velocity in miles per hr.	Rainfall. Total rainfall.	Number of rainy days.	Heaviest rainfall.	Date
18	19	20	21	22	23	24	25	6	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
50	4·1	4·6	17	1	3	4	1	1	0	2	2	N 50° E	9	0	0	3	3	2	3	7	4	S 63° W	3·6	1·26	3	0·60	26th
50	2·3	2·4	18	1	1	2	0	0	0	4	2	N 41° W	11	0	1	0	1	0	6	9	0	S 71° W	4·1	0	0	0	..
61	1·9	2·1	13	0	4	1	0	0	3	7	3	N 69° W	2	0	0	0	0	1	13	14	1	S 68° W	7·7	0	0	0	..
65	2·1	2·7	4	0	1	2	1	0	4	15	3	S 88° W	0	0	0	0	1	2	13	14	0	S 62° W	9·7	0	0	0	..
77	1·7	1·2	3	0	0	1	0	0	6	20	1	S 82° W	0	0	0	0	0	1	14	16	0	S 67° W	11·4	0·02	0	0·02	21st
81	3·3	2·5	4	0	1	4	0	0	5	15	1	S 82° W	2	0	0	1	0	5	9	12	1	S 60° W	7·7	1·77	1	1·77	28th
77	9·2	7·8	5	0	0	1	2	2	8	12	1	S 62° W	2	0	0	0	0	6	15	8	0	S 49° W	7·1	6·02	6	2·89	2nd
79	7·5	6·9	2	0	0	0	0	0	13	16	0	S 70° W	1	0	0	0	0	2	18	10	0	S 57° W	7·1	0	0	0	..
84	4·8	2·3	8	0	0	1	0	0	6	15	0	S 77° W	0	0	0	0	0	1	14	15	0	S 66° W	7·8	0	0	0	..
72	2·3	0·7	11	0	2	5	1	0	1	9	2	N 71° W	7	0	0	0	1	0	7	15	1	S 76° W	5·1	0	0	0	..
65	0·6	0·5	27	0	0	1	1	0	0	0	1	E	11	0	0	0	1	2	8	8	0	S 57° W	2·9	0	0	0	..
60	0·9	0·5	20	0	1	6	1	0	0	1	2	N 75° E	15	0	0	0	0	8	8	5	0	S 51° W	2·0	0	0	0	..
69	3·4	2·9	132	2	13	28	7	3	46	116	18	..	60	0	1	4	7	25	128	133	7	..	6·3	9·07	10	2·89	2nd July.
..	6·2	5.5	25	0	1	0	1	0	3	0	0	S 45° W	21	0	1	3	1	0	4	0	1	S 23° E	0·5	2·10	10	0·27	2nd
75	3·3	3·3	22	0	3	0	0	0	2	0	1	N	19	0	3	0	3	1	2	0	0	S 49° E	0·9	1·65	3	0·82	17th
(b) 36	3·4	(b) 4·1	21	0	0	0	1	0	7	2	0	S 48° W	8	0	2	0	3	0	13	2	2	S 47° W	2·1	1·42	3	0·74	25th
35	4·3	5·6	19	1	0	0	3	0	5	2	0	S 37° W	7	0	1	1	1	3	11	2	4	S 52° W	2·4	0·76	2	0·20	5th
33	1·3	3·2	16	1	0	0	0	0	9	4	1	S 68° W	18	0	2	0	0	1	6	2	2	S 69° W	2·5	0·49	2	0·34	29th
26	0·4	1·2	21	0	1	0	0	0	7	1	0	S 51° W	13	1	6	1	0	0	6	2	1	N 45° W	1·4	0·09	0	0·09	5th
21	0·5	2·6	28	0	0	1	0	0	2	0	0	S 18° W	12	0	8	3	3	0	4	1	0	N 84° E	(b) 1·3	0·09	0	0·08	17th
17	1·0	1·1	31	0	0	0	0	0	0	0	0	Calm	18	2	9	1	0	0	0	0	1	N 36° E	0·5	0	0	0	..
21	0·1	0·6	30	0	0	0	0	0	0	0	0	Calm	17	0	9	1	0	0	3	0	0	N 51° E	0·8	0	0	0	..
28	1·1	2·4	27	0	0	0	0	0	3	0	0	(b) S 45° W	24	0	2	0	0	0	4	0	0	S 45° W	(c) 0·7	0·20	1	0·20	24th
50	2·2	3·1	27	0	0	0	1	0	2	0	0	S 18° W	21	0	2	0	3	0	4	0	0	S 12° E	0·5	0·16	0	0·07	20th and 28th
57	3·3	3·5	30	0	0	0	0	0	1	0	0	S 45° W	24	0	0	2	3	0	1	1	0	S 41° E	0·6	0·23	1	0·85	11th
(r) 37	2·3	3·0	297	2	5	1	6	0	41	9	3	..	202	3	45	12	17	5	58	10	11	..	1·2	7·19	22	0·12	17th Feb.

MONTHLY AND

Abstract of observations taken at 4 and 14 hrs. (G. M. T.)

Station and height of barcistern above sea level in feet.	Month.	Pressure (reduced to 32° F. and standard gravity.)		Temperature of Air.								Temperature wet bulb.		Vapour-tension in inches of mercury.		Humi
		Mean 4 hrs. (G. M. T.)	Mean 14 hrs. (G. M. T.)	Mean maximum.	Mean minimum.	Highest maximum.	Date.	Lowest minimum.	Date.	Mean 4 hrs. (G. M. T.)	Mean 14 hrs. (G. M. T.)	Mean 4 hrs. (G. M. T.)	Mean 14 hrs. (G. M. T.)	Mean 4 hrs. (G. M. T.)	Mean 14 hrs. (G. M. T.)	Mean 4 hrs. (G. M. T.)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Teheran (4,002)	January	25·79	25·77	39·4	26·4	44·3	30th	21·8	12th	28·9	36·5	..	34·0	..	·169	..
	February	·71	·69	50·3	32·2	63·0	22nd	22·0	7th, 8th and 9th	36·3	47·5	..	..	..	..	..
	March	·68	·65	62·3	39·2	83·0	5th	26·0	1st	44·7	59·2	..	..	..	..	..
	April	·65	·61	71·2	50·1	83·0	11th	38·2	6th and 8th.	56·9	67·2	50·3	57·9	·292	·374	63
	May	·67	·63	83·0	58·8	91·5	8th	48·6	1st	67·0	78·8	57·6	65·7	·370	·483	57
	June	·58	·52	90·5	65·1	98·1	19th and 23rd	59·6	11th	72·8	87·4	63·2	70·9	·468	·568	58
	July	·51	·45	97·4	73·1	104·3	6th	67·6	1st	78·5	94·1	69·9	78·3	·632	·779	65
	August	·66	·60	92·2	68·4	95·6	13th and 30th	62·5	24th	74·0	89·1	64·5	74·2	·500	·671	59
	September	·72	·67	85·0	62·5	96·7	2nd	54·9	22nd and 24th.	67·7	81·9	59·8	70·5	·433	·614	65
	October	·79	·75	72·9	51·7	85·3	4th	45·1	11th	55·7	69·1	50·7	61·7	·310	·470	70
	November	·83(c)	·77	64·1	41·3	71·0	4th and 5th	37·1	23rd and 30th.	48·4	59·5	44·4	54·8	·249	·383	73
	December	·91	·91	49·5(b)	33·5	59·2	31st	30·1	2nd, 3rd, 22nd and 23rd.	36·8	46·0(e)	35·4	43·4	·192	(c)·253	87
	Year	·71	·67	71·5	50·2	104·3	6th July	21·8	12th Jan.	55·6	68·0	55·1(n)	61·1(t)	·383(n)	·476(t)	66(n)
Meshed (3,104)	January	26·133	26·074	34·7	10·3	44·7	6th	—11·1	27th and 28th.	17·6	24·8	..	..	..	..	..
	February	·055	·007	43·5	18·3	62·2	24th	—1·0	8th and 9th.	26·8	34·2	..	32·2	..	·165	..
	March	·010	25·944	56·1	31·8	77·2	14th and 15th	12·9	1st	40·0	49·6	37·1	43·6	·193	·223	78
	April	25·945	·877	66·2	41·3	82·7	13th	28·9	8th	51·7	59·2	47·4	52·0	·285	·313	72
	May	·950	·886	78·5	48·7	91·2	6th	36·9	12th	62·4	70·1	55·4	58·6	·356	·364	63
	June	·822	·742	90·1	56·5	97·7	18th	47·9	30th	71·7	81·3	61·3	63·6	·421	·380	54
	July	·731	·691	95·4	57·4	102·2	4th	49·9	1st	72·1	87·4	62·3	63·7	·450	·317	57
	August	·830	·796	90·8	50·6	98·2	30th	43·9	22nd	66·2	80·7	56·3	59·9	·343	·276	53
	September	26·020	·879	80·8	42·7	91·2	12th	29·9	20th	56·6	69·5	48·9	55·1	·263	·272	56
	October	·097	·998	70·7	36·5	92·2	3rd	23·4	31st	47·5	58·7	43·2	50·2	·234	·273	69
	November	·101	26·016	65·1	30·0	78·7	4th	20·4	2nd	39·5	51·4	36·5	44·7	·177	·220	72
	December	·147	·084	48·9	21·4	67·7	31st	7·9	20th	29·9	38·1	..	35·5	..	·179	..
	Year	25·987	25·916	68·4	37·1	102·2	4th July	—11·1	27th and 28th Jan.	48·5	58·7	49·8(n)	50·8(o)	·302(n)	·271(o)	64(n)

(b) Mean of 30 days. (c) Mean of 29 days. (t) Mean of 10 months. (n) Mean of 9 months. (o) Mean of 11 months.

ANNUAL TABLE D-2 FOR 1930—*contd.*

at stations in Persia, etc.—contd.

DITY.	CLOUD.		WIND DIRECTION.																			WIND VELOCITY.	RAINFALL.			
			Total number of 4 hrs. (G. M. T.) winds from									Mean wind direction at 4 hrs (G.M.T.)	Total number of 14 hrs. (G. M. T.) winds from									Mean wind direction at 14 hrs. (G.M.T.)	Mean daily velocity in miles per hr.	Total rainfall.	Number of rainy days.	Heaviest rainfall.	Dates
Mean 14 hrs. (G. M. T.)	Mean 4 hrs. (G. M. T.)	Mean 14 hrs. (G. M. T.)	Calm.	N	NE	E	SE	S	SW	W	NW		Calm.	N	NE	E	SE	S	SW	W	NW						
18	19	20	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
80	2·8	3·5	10	4	15	1	0	0	1	0	0	N 38° E	10	1	0	0	0	2	16	1	1	S 49° W	1·5	1·27	4	0·44	22nd
..	5·1	5·5	9	5	13	0	0	0	1	0	0	N 32° E	4	2	2	0	0	1	15	4	0	S 58° W	..	1·49	5	0·53	15th
..	4·2	4·7	9	5	16	1	0	0	0	0	0	N 37° E	4	0	2	1	3	1	9	7	4	S 66° W	..	0·80	3	0·32	27th
57	5·2	6·4	9	2	9	3	0	1	5	0	1	N 48° E	9	1	4	1	2	0	8	3	2	S 68° W	3·2 (c)	1·00	4	0·30	5th
49	2·2	3·5	12	0	6	0	2	5	6	0	0	S 12° E	7	0	1	0	0	0	19	2	2	S 55° W	3·9	1·27	2	1·03	29th
44	1·0	1·1	15	0	6	0	0	1	8	0	0	S 31° W	6	0	0	0	0	1	21	1	1	S 48° W	3·1	0·02	0	0·01	2nd and 10th
49	0·7	1·5	20	0	4	0	2	1	3	1	0	S 34° E	4	1	2	0	2	7	15	0	0	S 25° W	2·6	0	0	0	..
49	0·1	1·3	13	1	12	0	3	1	1	0	0	N 60° E	2	0	2	0	3	3	20	1	0	S 33° W	3·0	0	0	0	..
56	0·7	0·5	13	0	15	0	0	0	2	0	0	N 45° E	4	1	1	0	0	5	19	0	0	S 37° W	2·4	0·01	0	0·01	18th
67	2·6	2·6	10	1	20	0	0	0	0	0	0	N 43° E	10	1	2	0	0	2	14	2	0	S 48° W	2·3	0·21	1	0·20	23rd
75	3·6	3·3	6	4	18	0	0	0	1	1	0	N 34° E	17	1	1	1	1	1	8	0	0	S 30° W	1·9	0·74	3	0·32	28th
81 (c)	4·3	4·2	11	1	17	1	0	0	0	1	0	N 42° E	23	0	2	0	0	0	4	2	0	S 67° W	1·2	1·49	6	0·50	27th
61 (t)	2·7	3·2	137	23	151	6	7	9	28	3	1	..	100	8	19	3	11	23	168	23	10	..	2·5 (t)	8·30	28	1·03	29th May
..	4·4	4·1	28	0	0	0	2	1	0	0	0	S 31° E	22	0	1	0	6	1	0	0	1	S 48° E	1·2	3·39	4	2·50	25th
82	6·2	5·7	19	0	0	0	3	2	0	2	2	S 26° W	17	0	1	0	4	2	0	2	2	S 2° E	2·7	0·75	3	0·30	7th
64	5·5	5·2	18	0	0	0	4	4	1	1	3	S 10° W	16	0	1	1	7	3	1	1	1	S 31° E	2·2	2·69	5	1·30	22nd
62	5·5	6·2	17	0	1	0	6	4	0	0	2	S 30° E	7	0	4	1	15	2	0	0	1	S 56° E	2·5	2·37	6	0·80	6th
51	3·3	4·2	23	0	0	0	4	0	0	0	4	Calm	0	2	9	1	7	6	1	2	3	S 81° E	1·5	2·22	7	1·02	2nd
35	0·8	1·8	23	0	1	0	3	0	1	0	2	S 45° E	7	1	16	0	3	0	0	0	3	N 42° E	1·6	0	0	0	..
25	0	0	4	0	1	0	1	3	3	4	15	N 71° W	0	2	25	0	3	0	1	0	0	N 49° E	1·7	0	0	0	..
23	0	0	31	0	0	0	0	0	0	0	0	Calm	2	5	24	0	0	0	0	0	0	N 38° E	1·6	0	0	0	..
38	0·9	1·1	26	0	0	0	1	2	1	0	0	S.	9	2	7	3	9	0	0	0	0	N 88° E	1·3	0·25	2	0·15	1st
54	2·7	2·8	24	0	0	0	5	0	1	1	0	S 24° E	16	0	1	1	12	0	0	1	0	S 49° E	1·2	0·16	1	0·10	18th
60	4·4	3·9	27	0	0	0	0	1	0	1	1	S 79° W	23	2	6	0	4	1	0	0	0	S 56° E	0·7	0·50	2	0·37	21st
78	5·3	2·2	26	0	0	1	2	1	1	0	0	S 29° E	26	0	0	1	3	0	0	0	1	S 59° E	0·8	0·68	3	0·34	1st
52 (c)	3·3	3·1	266	6	3	1	31	18	8	9	29	..	145	14	88	8	73	15	3	6	13	..	1·6	13·01	33	2·50	25th Jan.

MONTHLY AND

Abstract of observations taken in the forenoon and afternoon

Station and height of bar-cistern above sea-level in feet with the time of observation.	Month.	Pressure (Reduced to 32° F. and standard gravity.)		Temperature of Air.								Temperature wet bulb.		Vapour-tension in inches of mercury.		Humi
		Mean at time I.	Mean at time II.	Mean maximum.	Mean minimum.	Highest maximum.	Date.	Lowest minimum.	Date.	Mean at time I.	Mean at time II.	Mean at time I.	Mean at time II.	Mean at time I.	Mean at time II.	Mean at time I.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Seistan. Time I—4 hrs. (G. M. T.) Time II—12 hrs. (G. M. T.) (2,000).	January	28·544	28·457	48·4	32·3	56·0	24th	23·3	5th	37·1	47·9	35·2	42·2	·189	·200	85
	February	·441	·332	64·1	38·6	81·3	24th	22·5	9th	43·4	63·5	39·5	9·3	·204	·204	72
	March	·347	·244	74·0	48·3	86·8	16th	26·1	1st	55·1	73·0	49·5	55·4	·297	·232	66
	April	·238	·131	81·3	58·7	94·3	29th	44·6	9th	65·4	80·5	57·3	63·5	·377	·381	59
	May	·168	·062	92·5	67·2	98·8	9th	60·4	3rd	76·7	91·6	63·3	68·3	·424	·406	47
	June	27·998	27·898	100·6	76·0	105·6	24th	65·6	1st	84·2	100·5	69·3	75·5	·534	·578	45
	July	·834	·739	103·7	81·3	110·8	4th	77·0	18th	87·0	103·7	68·5	76·5	·471	·549	37
	August	28·005	·932	96·5	74·8	102·0	6th	61·6	31st	82·5	96·4	63·9	69·2	·368	·363	33
	September	·218	28·127	89·6	65·8	99·5	3rd	53·8	20th	74·0	89·5	59·2	64·3	·316	·296	37
	October	·368	·269	82·5	56·4	100·2	6th	46·6	31st	64·1	81·7	54·7	62·3	·317	·326	53
	November	·471	·386	73·1	44·4	80·2	14th	34·4	5th	51·1	72·9	46·5	60·3	·263	·375	69
	December	·516	·452	61·1	35·6	66·8	2nd and 5th	22·4	23rd	40·2	58·7	36·6	47·4	·178	·193	70
	Year	·262	·169	80·6	56·6	110·8	4th July	22·4	23rd Dec.	63·4	80·0	53·6	61·2	·328	·342	56
Air Ship Base Observatory Drigh Road (Karachi). Time I—3·32 hrs. (G. M. T.) Time II—14 hrs. (G. M. T.) (77).	January	29·990	29·923	75·3	51·2	85·1	11th	41·3	16th	56·8	65·7	49·7	55·1	·273	·302	57
	February	·965	·900	82·3	52·7	93·2	16th	42·2	2nd	59·6	71·3	53·4	61·5	·347	·434	62
	March	·826	·762	88·8	62·1	99·5	23rd and 24th	54·2	14th and 18th	71·5	77·2	64·7	68·5	·529	·598	66
	April	·742	·671	93·8	70·7	103·2	29th	62·2	10th	80·6	81·6	72·3	73·2	·690	·712	66
	May	·644	·582	96·2	77·1	113·6	9th	68·3	10th	85·5	85·9	77·9	77·9	·860	·870	71
	June	·466	·402	97·0	81·9	103·7	20th	73·7	28th	87·7	87·6	80·5	81·8	·949	1·013	72
	July	·439	·404	89·2	80·2	99·0	1st	73·2	23rd	83·5	83·8	79·1	79·0	·939	·931	82
	August	·531	·501	86·1	77·4	88·9	3rd	72·4	31st	80·4	80·6	75·6	76·0	·827	·841	79
	September	·678	·615	89·5	76·0	102·8	30th	66·0	30th	81·1	81·0	75·6	76·0	·817	·829	77
	October	·821	·760	94·9	68·1	104·4	11th	50·6	24th	78·9	82·1	70·3	72·3	·641	·668	65
	November	·961	·901	88·2	58·3	91·3	14th	54·4	6th	69·0	75·9	60·5	66·1	·423	·519	60
	December	30·005	·943	82·1	51·4	87·5	5th	44·4	30th	59·7	69·7	52·3	60·7	·307	·422	57
	Year	29·756	·697	88·6	67·3	113·6	9th May	41·3	16th Jan.	74·5	79·5	67·7	70·7	·633	·678	68

ANNUAL TABLE D-2 FOR 1930—*concld.*

at stations in Persia, etc.—concld.

DITY.	CLOUD.		WIND DIRECTION.																				WIND VELOCITY.	RAINFALL.			
			Total number of winds at time I from									Mean wind direction at time I.	Total number of winds at time II from									Mean wind direction at time II.	Mean daily velocity in miles per hr.	Total rainfall.	Number of rainy days.	Heaviest rainfall.	Dates
Mean at time II.	Mean at time I.	Mean at time II.	Calm.	N	NE	E	SE	S	SW	W	NW		Calm.	N	NE	E	SE	S	SW	W	NW						
18	19	20	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
61	5·5	5·8	10	0	0	1	0	0	0	1	19	N 45° W	7	0	1	0	0	0	0	1	22	N 44° W	4·6	1·38	4	0·42	11th
34	3·2	3·7	10	0	1	3	2	0	0	0	12	N 24° W	6	0	1	0	4	0	0	0	17	N 41° W	5·8	0·05	0	0·05	7th
32	3·2	4·1	4	0	2	1	1	1	0	0	22	N 39° W	4	0	0	1	7	0	0	0	19	N 41° W	5·7	0·13	0	0·07	12th
36	3·7	4·8	4	1	1	1	3	1	0	1	18	N 41° W	4	0	1	2	6	0	0	2	15	N 39° W	6·6	0·63	2	0·48	4th
27	0·1	2·0	2	1	2	0	0	0	0	0	26	N 39° W	5	0	1	1	3	0	0	0	21	N 39° W	8·0	0	0	0	..
29	0·8	0·2	1	0	0	0	0	0	0	0	29	N 45° W	8	0	0	0	0	0	0	0	22	N 45° W	8·6	0	0	0	..
26	0·9	0·2	0	0	0	0	0	0	0	0	31	Calm	2	0	0	0	0	0	0	0	29	N 45° W	13·6	0	0	0	..
21	0	0	0	0	0	0	0	0	0	0	31	Calm	0	0	0	0	0	0	0	0	31	Calm	14·1	0	0	0	..
21	0·2	0·1	2	0	0	0	1	0	0	0	27	N 45° W	2	0	0	1	0	0	0	0	27	N 44° W	11·7	0	0	0	..
31	1·8	1·9	5	1	0	2	0	0	1	0	22	N 42° W	11	0	0	1	1	0	0	0	18	N 43° W	6·4	0·06	0	0·06	29th
46	1·8	3·2	12	1	2	1	0	1	0	0	13	N 33° W	14	2	3	0	2	0	0	0	9	N 17° W	10·0	0·08	0	0·08	13th and 17th
38	3·1	3·3	13	4	2	1	2	0	1	2	6	N 23° W	14	2	1	1	1	0	0	0	12	N 30° W	7·5	0·11	1	0·11	13th
33	2·0	2·4	63	8	10	10	9	3	2	4	256	..	77	4	8	7	24	0	0	3	242	..	8·5	2·44	7	0·48	4th April
47	4·3	4·0	2	11	9	2	1	0	0	1	5	N 12° E	0	1	7	2	1	0	6	9	5	N 64° W	7·5	0·27	2	0·16	26th
55	2·5	2·5	10	7	6	1	0	0	0	3	1	N 8° E	0	0	1	0	0	0	11	15	1	S 74° W	6·1	0	0	0	..
64	2·1	2·6	4	4	3	1	0	1	1	13	4	N 62° W	0	0	0	1	0	0	11	18	1	S 74° W	10·2	0	0	0	..
66	3·5	3·1	2	3	2	0	0	0	4	15	4	N 77° W	0	0	0	0	1	0	13	16	0	S 68° W	11·9	0	0	0	..
72	4·8	2·8	2	0	1	0	0	0	5	21	2	S 87° W	0	0	0	0	0	0	13	17	1	S 72° W	12·7	0	0	0	..
77	4·8	5·0	0	0	1	3	0	2	8	14	2	S 73° W	0	1	0	1	0	3	15	10	0	S 57° W	9·5	1·28	1	1·27	28th
80	9·5	8·2	0	0	1	0	1	1	11	16	1	S 71° W	0	0	0	0	0	0	17	12	2	S 67° W	11·1	11·79	9	5·01	24th
80	9·6	8·2	0	0	0	0	0	0	8	22	1	S 80° W	0	0	0	0	0	0	16	15	0	S 67° W	11·3	0·14	1	0·13	8th
79	6·1	3·3	1	0	0	0	0	0	8	18	3	S 82° W	0	0	0	0	0	0	15	15	0	S 67° W	10·8	0·04	0	0·04	14th
62	1·8	1·0	2	7	5	0	0	0	3	7	7	N 38° W	2	1	3	0	0	0	11	13	1	S 78° W	5·3	0	0	0	..
59	0·7	0·4	11	10	9	0	0	0	0	0	0	N 21° E	1	0	4	1	0	0	11	12	1	S 76° W	4·5	0	0	0	..
57	2·1	1·3	7	11	12	0	0	0	0	0	1	N 21° E	4	1	4	2	0	0	7	13	0	S 85° W	4·5	0	0	0	..
67	4·3	3·5	41	53	49	7	2	4	48	130	31	..	7	4	19	7	2	3	146	165	12	..	8·8	13·52	13	5·01	24th July.

Table D-3.—Abstract of Observations taken at 8 hrs. (local time) at 212 Stations in the year 1930.

ANNUAL TABLE D-3 FOR 1930.

Abstract of 8 hrs. (local time) observations.

Station and height of bar-cistern above sea-level in feet.	Pressure.		Wind.		Temperature.								Humidity.		Cloud.	Rainfall.				
					Mean 8 h.		Maximum.			Minimum.										
	Mean 8 h. reduced to 32° F. 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
Bay Islands.																				
Port Blair (59)	29·791	+·010	..	5·6	80·4	75·4	86·0	—1·1	93·8	77·0	0	69·3	78	—6	6·2	121·08	+4·66	148	+9·4	4·60
Lower Burma.																				
Victoria Point (147)	29·728	+·015	..	5·5	79·4	75·5	85·7	—0·2	94·3	75·6	+0·8	70·9	83	0	6·3	183·33	+24·46	159	+7·5	6·60
Mergui (66)	29·808	+·011	..	..	77·4	75·2	87·1	—0·3	94·7	72·9	+1·0	63·0	90	+3	6·3	160·97	—0·27	156	+2·2	5·75
Tavoy (19)	29·855	+·005	..	2·1	77·1	74·1	89·1	+1·2	98·7	70·0	—1·7	58·3	87	—1	5·6	200·80	—13·94	139	—5·4	6·90
Amherst (71)	29·800	..	..	6·3	78·7	74·6	87·1	..	96·0	73·8	..	64·9	82	..	6·7	196·29	..	145	..	8·45
Rangoon (18)	29·841	+·010	..	3·3	77·2	74·1	90·3	+1·0	105·2	73·2	+0·2	59·1	85	—2	6·7	110·93	+11·90	127	+4·7	5·26
Bassein (27)	29·831	+·015	..	3·0	78·1	74·4	89·2	+1·0	101·1	72·3	—0·3	55·8	83	—5	5·6	111·01	+1·88	135	+10·2	5·64
Diamond Island (41)	29·797	0	..	6·6	80·3	76·0	85·3	0	91·8	76·9	+1·2	69·9	81	+1	5·6	132·18	+14·28	106	—7·8	5·45
Gwa (11)	29·838	..	..	4·1	76·7	73·7	85·4	..	92·1	70·3	..	46·0	86	..	3·8	219·67	..	133	..	9·33
Toungoo (158)	29·703	+·018	..	..	76·4	72·1	90·0	+0·1	105·3	70·7	+0·3	51·3	80	—6	5·7	102·22	+19·26	116	+1·3	5·15
Kyaukpyu (18)	29·813	+·006	..	2·3(*b*)	78·4(*b*)	75·2(*b*)	84·5(*b*)	—0·1	95·3	73·4(*b*)	+0·8	55·6	85(*b*)	0	5·3	220·46	+40·66	131	+0·8	11·32
Akyab (20)	29·813	+·006	..	7·8	75·7	72·3	84·9	—0·9	94·6	70·7	—1·0	47·8	84	—5	5·9	197·12	—6·25	123	—2·5	7·49
Upper Burma.																				
Minbu (168)	29·661	—·003	..	3·2	77·2	70·7	90·8	—0·6	107·1	71·0	—0·4	46·4	71	—4	3·8	32·78	—2·65	52	—5·2	3·45
Yamethin (644)	29·199	+·016	..	4·2	75·5	70·4	90·5	—0·6	105·1	69·5	—0·8	47·6	76	—3	4·4	35·89	—2·13	61	—2·3	3·26
Mandalay (250)	29·588	+·006	..	2·3	76·1	70·9	91·9	—0·9	107·6	71·7	+0·4	52·1	77	+3	4·4	37·99	+4·83	56	+5·2	3·78
Monywa (*280*)	29·559	—·003	..	2·1	75·3	69·8	91·6	+1·0	109·7	70·4	—0·8	50·0	75	—2	5·4	42·91	+11·86	47	+2·9	4·21
Lashio (2,802)	27·061	+·007	..	2·4	66·2	63·1	80·7(*a*)	—0·9	94·1	61·1	+0·6	41·1	84	—2	5·7	49·38	—12·49	111	+10·3	1·62
Bhamo (416)	29·489(*b*)	+·002(*b*)	..	1·9	70·5	68·1	84·9	—1·0	100·5	65·3	+0·4	39·8	88	—1	7·1	79·51	+7·50	108	+7·5	4·31
Myitkyina (468)	29·378	+·019	..	2·7	70·1	67·0	82·5	+0·4	99·8	65·7	+0·2	43·3	85	—2	6·7	82·24	+3·25	98	—7·5	4·23
Assam.																				
Dibrugarh (348)	29·505	+·011	..	1·5	69·3	67·0	80·8	0	96·8	65·0	—0·2	44·0	89	—3	5·8	112·22	+3·80	128	—6·5	4·80
Sibsagar (333)	29·523	+·012	..	1·2	70·1	68·0	82·4	+1·1	98·5	66·1	+0·4	44·0	90	—4	9·0	80·69	—15·30	118	—10·5	3·62
Tezpur (258)	29·599	+·017	..	1·9	70·8	68·2	83·1	—0·1	96·5	66·8	—0·2	43·6	87	—2	6·5	77·60	+3·36	114	+8·9	2·55
Gauhati (196)	29·656	+·011	..	1·0	71·3	68·6	83·8	—0·7	97·3	66·7	+0·4	42·9	87	—1	6·4	70·32	+5·03	97	+4·2	3·43
Dhubri (115)	29·719	+·015	..	4·7	72·6	69·3	82·1	—0·7	99·9	68·1	+0·1	46·3	84	—3	5·5	81·12	—15·38	94	—0·3	5·21
Silchar (104)	29·754	+·015	..	1·1(*a*)	72·0	69·6	84·4	—1·7	98·4	67·1	—0·4	43·7	89	+2	5·9	125·22	+0·54	139	+2·9	6·18
Bengal.																				
Cox's Bazar (36)	29·786	+·007	..	2·9	76·2	72·1	84·5	—0·5	94·1	69·7	+0·3	49·6	81	—6	4·8	139·55	—6·22	91	—19·5	10·64
Chittagong (87)	29·743	+·008	..	7·1	74·7	70·5	85·6	+0·7	94·4	69·2	—0·1	45·6	81	—5	4·7	108·54	—2·19	90	—5·0	6·97
Narayanganj (26)	29·785	+·001	..	3·5	75·4	71·7	86·9	+0·7	97·4	70·2	—0·3	47·6	83	—2	5·1	78·33	+4·51	98	+4·7	5·26
Barisal (12)	29·797	+·008	..	3·5	76·3	72·5	86·1	+0·3	99·0	70·5	+0·2	48·3	83	—2	5·6	79·86	—2·45	98	—5·2	4·98
Jessore (26)	29·783	+·011	..	3·3	74·7	71·9	87·9	+0·6	105·0	68·5	—1·2	42·2	87	+3	5·5	76·13	+10·10	96	+8·0	4·00
Calcutta (21)	29·783	+·008	..	3·5	75·2	71·8	88·1	+1·2	107·0	71·5	+0·8	49·0	83	0	5·0	59·88	—2·66	84	—1·2	4·14
Saugor Island (10)	29·780	—·001	..	11·0	77·8	73·7	84·1	—1·3	94·0	73·2	—0·2	50·8	81	—4	5·9	69·08	—0·33	81	+1·4	5·49
Burdwan (99)	29·707	+·011	..	2·5	74·8	70·8	89·4	+0·6	107·0	69·7	—0·7	45·4	81	+2	4·5	75·36	+16·73	81	+4·1	5·52
Berhampore (65)	29·751	+·018	..	2·5	76·3	71·4	89·4	+1·8	109·0	68·9	—0·7	42·9	78	—5	4·6	55·12	—1·99	69	—8·2	5·33
Mymensingh (63)	29·778	+·023	..	1·4(*b*)	72·7	70·1	85·2	+0·4	103·0	68·4	—0·5	43·9	87	0	5·3	91·43	—1·52	107	+1·6	4·05
Bogra (66)	29·757	+·016	..	2·3	74·4	70·7	86·0	—0·2	105·0	68·3	+0·2	42·6	82	—1	5·1	63·61	—7·36	87	+1·7	4·36
Dinajpur (123)	29·686	+·008	..	2·2	73·1	69·2	85·8	—0·2	104·0	66·8	—0·1	41·8	81	—2	4·9	71·65	+0·55	77	—2·5	3·40
Jalpaiguri (274)	29·543	+·003	..	1·7	71·6	69·1	85·6	+1·3	99·0	66·5	+0·3	43·0	88	+2	5·2	117·79	—4·53	124	+20·8	6·22

(*a*) Mean of 11 months. (*b*) Mean of 10 months.

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

ANNUAL TABLE D-3 FOR 1930—*contd.*

Abstract of 8 hrs. (local time) observations.

Station and height of bar-cistern above sea-level in feet.	Pressure.		Wind.		Temperature.								Humidity.		Cloud.	Rainfall.				
					Mean 8 h.		Maximum.			Minimum.										
	Mean 8 h. reduced to 32° F. 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
Orissa.																				
Balasore (61)	29·744	+·015	..	4·7	76·9	71·7	88·5	−0·1	107·0	71·1	+0·6	48·9	77	−4	5·3	64·84	+2·11	70	−8·0	5·54
Chandbali (20)	29·790	..	..	5·0	76·7	72·7	88·5	..	107·0	71·1	..	48·8	82	..	5·2	65·75	..	65	..	6·21
Cuttack (87)	29·723	+·013	..	2·3	75·5	72·0	90·9	0	113·0	71·4	+1·1	49·9	84	+5	5·1	56·87	−2·40	71	−3·9	4·45
Sambalpur (486)	29·321	+·010	..	2·4(*a*)	76·2	68·7	90·3	−0·2	115·2	68·5	−1·3	45·0	68	−3	4·8	50·35	−15·38	75	+1·1	4·19
Chota-Nagpur.																				
Chaibasa (733)	29·054	+·011	..	2·5	73·4	68·3	89·6	0	112·0	68·1	+0·1	44·0	77	0	5·3	46·38	−5·41	71	−3·4	3·01
Ranchi (2,152)	27·645	+·011	..	3·2	72·2	63·5	83·8	−0·4	106·0	64·3	+1·2	42·6	62	−4	4·8	70·70	+13·49	81	+0·8	4·86
Bihar.																				
Purnea (124)	29·689	+·009	..	2·1 (*a*)	72·5	68·7	86·5	0	105·0	66·0	−0·3	38·8	82	−3	3·8	57·74	−4·54	78	+7·2	6·77
Darbhanga (177)	29·629	0	..	2·9	73·9	68·9	86·1	+0·1	105·0	66·7	−1·1	41·3	77	−3	3·9	31·49	−18·78	45	−14·0	3·24
Patna (173)	29·616	+·008	..	3·7	74·4	68·2	88·1	+0·8	108·0	69·0	+0·4	41·8	72	0	3·8	34·51	−14·02	61	+5·0	3·35
Gaya (372)	29·430	+·017	..	2·1	76·2	67·8	90·8	+1·1	112·0	69·4	+0·5	44·0	64	−6	2·7	44·01	−3·47	64	+6·0	4·62
Naya Dumka (489)	29·309	+·011	..	2·7	74·7	68·9	88·1	+0·5	109·0	67·4	−0·4	41·5	73	0	4·6	54·66	−2·43	73	−4·9	4·53
United Provinces, East.																				
Gorakhpur (257)	29·538	+·012	..	2·5	73·2	67·5	88·0	+0·3	111·0	66·9	+0·2	39·3	74	−1	2·7	51·68	+1·49	52	−4·6	9·43
Benares (250)	29·537	+·003	..	4·3	74·1	66·9	89·7	+0·2	113·0	67·2	+0·6	40·0	69	−2	3·5	48·08	+7·53	55	+2·3	4·25
Allahabad (309)	29·481	+·007	..	4·6	74·4	65·9	90·4	+0·3	115·0	67·2	+0·4	39·0	64	−1	3·7	38·81	−0·25	52	+3·0	2·80
Lucknow (416)	29·367	+·003	..	2·2	74·2	65·5	90·7	+0·8	115·0	67·5	+1·1	37·9	63	−3	2·0	32·49	−3·43	50	+5·5	4·12
Lucknow (368)	29·418	+·005	..	1·9	73·6	65·9	89·7	0	113·0	66·6	+0·9	35·0	67	−1	3·4	46·80	+8·23	51	+2·7	3·67
Bahraich (407)	29·374	+·007	..	3·3	72·2	66·4	88·4	+0·3	111·0	65·5	−0·2	36·1	74	+1	2·1	41·31	−3·99	49	−0·7	4·22
United Provinces, West.																				
Jhansi (824)	28·971	−·002	..	3·3	75·9	63·8	91·6	+0·4	115·0	67·1	−1·9	39·0	51	−7	3·3	35·90	−0·27	43	−3·6	9·83
Agra (554)	29·231	0	..	4·2	73·3	62·5	90·1	−1·0	115·0	64·2	+0·4	33·0	53	−6	3·1	32·21	+5·21	38	0	4·24
Mainpuri (516)	29·265	+·005	..	2·9	74·1	64·5	90·9	+0·8	114·0	63·7	−1·9	33·6	58	−7	3·5	24·99	−2·08	37	−1·6	2·22
Bareilly (568)	29·220	+·017	..	2·3	71·4	64·4	89·0	+1·5	113·0	65·7	+1·0	38·0	69	−4	3·6	32·77	−10·90	42	−4·8	7·15
Roorkee (899)	28·885	+·010	..	3·0	68·4	61·4	86·2	−0·2	113·0	61·7	−0·5	33·0	68	−3	3·1	36·96	−5·02	35	−12·7	4·37
Dehra Dun (2,239)	27·561	+·012	..	1·9	63·9	57·8	81·9	+0·7	107·0	58·8	−1·9	34·0	69	−1	4·0	74·96	−8·20	74	−6·3	6·71
Punjab, East and North.																				
Delhi (697)	29·086	+·006	..	3·3	72·4	62·5	89·1	+0·5	113·0	63·8	−3·7	32·0	56	−3	2·9	24·69	−2·15	35	−1·0	5·59
Hisar (725)	29·064	+·012	..	3·8	70·8	61·8	89·9	−1·4	111·0	62·2	−1·9	33·0	59	−1	1·9	19·53	+5·06	27	+3·2	2·30
Ambala (892)	28·881	+·005	..	3·3	69·5	61·1	88·4	+0·5	114·6	63·1	+0·4	32·0	62	−8	2·7	50·14	+19·65	43	+0·6	5·50
Ludhiana (812)	28·974	+·015	..	2·4	68·6	60·8	87·8	0	113·0	62·0	−2·0	30·0	65	0	3·1	30·47	+1·76	36	−0·3	5·02
Lahore (702)	29·078	+·011	..	1·7	68·9	62·4	88·7	−1·1	113·0	62·5	+0·5	32·0	71	+4	3·4	15·70	−3·92	25	−3·1	1·98
Sialkot (830)	28·955	+·013	..	1·6	68·8	61·3	86·9	−0·2	112·0	60·6	−1·8	30·0	66	−2	3·0	27·51	−3·51	36	−4·5	3·05
Rawalpindi (1,674)	28·125	+·011	..	2·9	67·5	58·1	84·3	+0·2	108·0	57·4	−0·3	27·0	57	−8	3·4	46·68	+11·91	51	+2·8	3·75

(*a*) Mean of 11 months.

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

ANNUAL TABLE D-3 FOR 1930—*contd.*

Abstract of 8 hrs. (local time) observations.

Station and height of bar-cistern above sea-level in feet.	Pressure.		Wind.		Temperature.								Humidity.		Cloud	Rainfall.				
					Mean 8 h.		Maximum.			Minimum.										
	Mean 8 h. reduced to 32° F. 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
Punjab, South-West.																				
Khushab (612)	29·180	+·009	..	4·6	71·5	60·9	88·9	—0·6	113·0	63·5	—0·2	30·[illegible]	52	—3	2·6	12·35	—2·54	19	—4·9	1·20
Lyallpur (605)	29·193	+·029	..	1·8	69·3	60·8	88·1	—0·6	111·2	61·7	0	32·9	61	—4	3·5	11·49	—2·92	22	—1·1	2·24
Montgomery (558)	29·221	+·008	..	2·8	71·1	62·9	89·5	—1·6	112·0	63·2	—1·0	32·0	62	+9	1·8	10·67	+0·11	15	—3·1	2·65
Multan (426)	29·371	+·025	..	2·4	74·2	64·0	91·7	+1·0	116·0	66·5	+0·6	37·0	56	—4	2·0	5·06	—2·14	9	—3·8	1·22
Bahawalpur (384)	29,402	..	..	2·7	72·7	63·4	92·8	..	115·3	63·4	..	32·2	59	..	2·1	7·34	..	8	..	3·00
Khanpur (297)	29·505	..	..	3·7	72·9	63·5	94·2	..	117·0	63·0	..	31·0	57	..	1·7	5·70	..	6	..	2·00
Kashmir.																				
Srinagar (5 204)	24·830	+·025	..	2·6	49·2	..	66·2	—1·5	99·1	43·7	0	11·3	..	..	5·1	40·42	+14·55	65	+6·4	5·82
Gulmarg (*8,569*) (c)	21·803	..	..	2·9	59·9	54·8	66·9	..	78·5	46·7	..	34·9	74	..	4·1	12·71	..	38	..	2·77
Dras (*10,059*)	20·801	+·030	..	2·9	29·4	..	46·3	—3·1	87·3	21·6	+0·6	—42·5	..	..	3·3	10·54	+19·02	53	—2·1	4·13
Leh (*11,503*)	19·693	+·020	..	2·3	33·2	..	60·0(d)	—2·9(d)	80·2	28·4	—1·2	—14·0	..	..	5·0	3·77	+0·59	11	+1·4	0·63
Skardu (*7,505*)	22·995	+·060	..	1·3	45·4	..	60·6	—2·0	104·2	37·3	—3·2	—20·4	..	..	4·4	9·25	+2·29	26	+7·6	1·44
Gilgit (4,890)	25·053	—·055	..	0·5	55·3	(a) 50·9	71·0	—2·0	102·8	50·9	—1·4	21·2	63 (a)	+11	4·2	6·24	+1·43	20	+4·8	0·85
North-West Frontier Province.																				
Peshawar (1,164)	28·638	—·015	..	2·7	63·5	59·0	85·7	+1·0	112·0	60·4	+0·1	31·0	57	+5	4·1	14·09	+0·58	31	+5·1	1·67
Dera Ismail Khan (570)	29·228	+·026	..	2·4	71·2	63·1	88·6	—1·1	112·0	61·7	—0·9	30·0	62	—2	4·6	4·87	—4·22	11	—5·3	0·92
Miranshah (3,039)	26·809	..	..	4·7	67·3	56·3	80·5	..	106·0	58·9	..	27·0	48	..	1·3	10·03	..	22	..	1·62
Baluchistan.																				
Fort Sandeman (4,614)	25·351	+·014	..	2·3	57·2	53·3(c)	78·8	—1·9	103·0	52·8	0	22·2	56 (e)	—2(e)	1·8	8·39	—2·84	19	—7·3	1·[illegible]
Quetta (5,407)	24·660	+·025	..	4·2	51·1	48·4(e)	74·1	+0·4	101·0	45·3	+1·2	16·0	53 (e)	0 (e)	3·1	9·62	—0·13	23	—1·2	1·40
Chaman (4,311)	25·628	—·004	..	4·4	61·0	50·8(b)	77·3	—0·7	107·3	55·3	+1·5	24·4	33 (b)	—11 (b)	2·9	8·52	+1·3[illegible]	17	—2·4	1·56
Kalat (6,495)	23·706 (e)	+·015 (e)	..	5·7	46·5	..	69·9	—3·0	96·2	38·3	+1·1	—7·3	..	..	2·6	6·14	—0·50	18	—0·1	1·16
Dalbandin (2,772)	27·021	—·023	..	3·2	60·5	52·4(b)	85·9	—1·5	113·3	54·0	—0·2	23·0	42 (b)	+2(b)	1·3	2·14	—1·69	5	—4·9	0·[illegible]
Mirjawa (2,762)	27·098	..	..	6·5	59·3	50·2	85·7	..	115·9	57·8	..	24·0	55	..	1·3	1·26	..	4	..	0·45
Sind.																				
Jacobabad (186)	29·601	+·012	..	3·5	75·1	64·2	94·8	—0·9	119·0	66·3	+0·6	35·0	53	—5	1·5	5·67	—1·99	4	—2·5	3·[illegible]
Hyderabad (96)	29·712	+·017	..	4·8	75·3	66·3	93·3	0	115·0	68·3	+0·1	42·0	60	0	1·7	2·77	—4·[illegible]5	6	—3·6	0·[illegible]
Karachi (13)	29·833	+·026	..	8·6	74·9	69·8	83·9	—0·3	100·0	71·[illegible]	+0·2	51·0	75	+2	4·1	16·07	+8·51	12	+2·7	7·68
Rajputana, West																				
Bikaner (762)	29·038	+·031	..	4·9	7[illegible]·0	62·2	91·[illegible]	—1·0	111·0	66·5	—2·4	38·0	52	—1	2·[illegible]	9·24	—2·57	15	—4·5	2·[illegible]
Jodhpur (780)	29·023	+·010	..	2·9	74·8	61·9	93·3	+0·9	114·0	68·[illegible]	+0·6	39·0	45	—3	3·1	9·44	—4·16	18	—0·9	1·[illegible]
Rajputana, East.																				
Jaipur (1,431)	28·394	+·022	..	2·8	75·0	62·5	90·4	—0·3	111·0	65·0	—0·7	39·0	48	—6	2·4	22·71	—1·50	34	—1·7	[illegible]
Ajmer (1,611)	28·219	+·015	..	4·2	72·8	61·0	88·5	0	107·0	63·9	—1·3	36·0	49	—13	3·1	21·88	+1·2[illegible]	28	—2·0	4·1[illegible]
Kotah (843)	28·867	+·004	..	3·0	77·7	64·8	93·5	+1·4	114·0	69·1	—0·5	42·0	43	—2	3·5	24·21	—4·02	31	—4·8	3·8[illegible]
Jhirapatan (1,053)	28·748	..	..	3·7	73·6	63·0	91·0	..	114·0	65·4	..	38·0	54	..	2·8	45·90	..	57	..	8·7[illegible]

(a) Mean of 11 months. (b) Mean of 10 months. (c) Mean of 4 months. (d) Mean of 5 months. (e) Mean of 9 months.

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

ANNUAL TABLE D-3 FOR 1930—*contd.*

Abstract of 8 hrs. (local time) observations.

Station and height of bar-cistern above sea-level in feet.	Pressure.		Wind.		Temperature.								Humidity.		Cloud	Rainfall.				
	Mean 8 h. reduced to 32° F. 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 the year.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall during year.
					Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest during year.	Mean.	Departure from normal.	Lowest during year.								
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Gujarat.																				
Deesa (466)	29·361	+·009	..	7·5	76·0	64·9	95·3	+1·1	119·0	66·1	—0·8	38·0	51	—6	3·2	13·02	—11·68	23	—5·7	1·81
Bhuj (343)	29·477	+·004	..	5·9	74·6	65·8	90·9	—0·2	113·0	67·6	—0·8	41·0	59	—8	2·7	9·00	—5·39	20	+3·7	1·50
Dwarka (37)	29·807	+·005	..	10·0	77·3	71·3	84·4	0	99·0	73·0	+0·1	53·0	73	—4	4·5	16·84	+3·32	22	+5·4	5·50
Rajkot (434)	29·395	+·004	..	6·9	74·5	66·4	93·0	+0·1	113·0	66·4	+0·3	40·0	62	—3	4·1	20·50	+0·21	27	—4·2	11·36
Veraval (19)	29·834	+·019	..	8·6	76·1	69·3	85·1	+0·3	100·0	72·3	+1·0	55·0	69	—2	3·9	10·51	—8·29	15	—10·3	1·98
Surat (39)	29·810	+·011	..	4·4	76·6	69·5	90·8	—0·7	110·0	70·7	+0·8	48·0	68	—2	4·5	44·10	+3·13	45	—1·7	5·09
Bhavnagar (55)	29·785	+·002	..	4·5	76·1	66·9	95·3	—0·3	110·8	68·5	—0·7	43·3	59	—5	3·9	16·80	—4·40	22	—7·7	3·88
Ahmadabad (163)	29·682	+·013	..	3·8	77·2	66·6	93·3	—1·3	112·0	70·0	—0·6	45·0	54	—5	3·5	27·53	—1·30	45	+10·0	4·07
Central India, West.																				
Neemuch (1,626)	28·207	+·013	..	5·6	74·1	62·8	88·6	—0·2	109·0	62·3(a)	—2·2	39·0	55	—3	2·7	35·14	+5·95	38	+1·8	5·27
Indore (1,823)	28·008	+·006	..	4·6	73·2	62·4	88·4	+0·2	108·0	63·6	—0·3	37·0	53	—9	3·7	49·35	+16·23	43	—2·8	4·94
Bhopal (1,642)	28·165	..	..	3·4	74·3	63·3	89·1	..	110·4	65·3	..	40·4	53	..	1·5	41·91	..	45	..	6·95
Central India, East.																				
Nowgong (754)	29·042	+·010	..	2·1	72·6	64·9	92·4	+3·1	116·0	64·7	—0·9	35·0	68	+3	4·2	42·59	—0·15	46	—2·0	3·97
Satna (1,041)	28·744	+·008	..	3·4	73·5	63·8	89·4	+1·4	113·0	64·9	—1·0	36·0	58	—4	3·9	47·32	+2·55	58	+3·1	4·92
Berar.																				
Akola (925)	28·898	+·007	..	3·7	76·1	64·5	93·4	+0·2	113·0	68·7	+1·3	43·0	52	—4	3·9	28·50	—2·85	34	—11·4	4·35
Amraoti (1,213)	28·607	+·011	..	5·9	77·2	66·3	92·3	+0·2	114·0	70·3	+1·1	48·0	55	—2	3·6	18·06	—14·99	41	—6·6	1·67
Central Provinces, West.																				
Khandwa (1,044)	28·778	+·007	..	5·6	74·9	64·5	92·2	+0·7	112·0	66·5	—0·6	41·0	55	—3	3·1	29·37	—0·26	37	—4·4	5·64
Hoshangabad (1,006)	28·815	+·007	..	4·4	73·8	63·5	91·7	+1·4	114·0	66·5	—0·3	41·0	55	—9	4·3	42·60	—6·23	48	—7·3	5·90
Saugor (1,808)	27·991	·0	..	4·4	73·3	61·7	88·1	+0·2	111·0	66·3	—0·2	43·0	51	—4	4·0	41·68	—3·27	59	+3·1	4·42
Jubbulpore (1,327)	28·455	—·006	..	2·8	72·1	63·6	88·7	+0·4	112·0	64·5	—0·1	37·0	63	—3	3·3	70·58	+15·47	60	—3·7	9·95
Seoni (2,033)	27·782	+·003	..	3·4	74·1	63·6	87·3	—0·3	110·0	64·7	+0·1	43·0	56	—5	3·4	48·43	—4·79	62	—8·2	3·11
Nagpur (1,017)	28·801	+·017	..	4·3	76·5	64·9	92·3	+0·3	116·0	68·1	—0·7	45·0	52	—7	4·1	31·60	—17·37	47	—15·8	4·23
Central Provinces, East.																				
Pendra (2,040)	27·763	+·001	..	3·5	72·3	63·7	84·9	—0·6	108·0	64·8	—0·3	40·0	63	+2	3·8	38·63	—11·43	67	—6·5	3·00
Raipur (970)	28·833	+·013	..	2·3	76·8	67·6	90·8	+0·6	116·0	68·5	—0·6	46·0	62	—2	3·9	55·10	+4·27	65	+1·7	4·50
Kanker (1,300)	28·507	..	..	3·4	75·1	67·3	89·0	..	114·0	66·3	..	39·0	68	..	4·3	49·01	..	68	..	7·37
Chanda (634)	29·178	+·002	..	3·5	76·9	68·1	93·2	+0·4	118·0	69·3	+0·7	45·0	64	—1	2·5	56·41	+4·51	57	—5·5	7·46
Jagdalpur (1,813)	28·010	+·010	..	2·9	72·1	66·6	87·2	—0·1	110·0	65·2	—0·5	42·0	76	0	4·5	53·05	—7·52	69	—14·1	3·33

(a) Mean of 10 months.

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

ANNUAL TABLE D-3 FOR 1930—*contd.*

Abstract of 8 hrs. (local time) observations.

Station and height of bar-cistern above sea-level in feet.	Pressure.		Wind.		Temperature.								Humidity.		Cloud	Rainfall.				
					Mean 8 h.		Maximum.			Minimum.										
	Mean 8 h. reduced to 32° F. 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)	29·815	+·005	..	7·0	78·2	72·9	87·5	+0·9	96·0	74·2	+0·6	59·0	76	—2	3·9	89·98	+19·35	73	+0·5	21·58
Ratnagiri (207)	29·635	—·004	..	6·7	78·9	72·0	86·4	—0·8	95·4	73·5	+0·3	57·2	70	—2	3·0	96·04	—3·94	92	—0·7	6·00
Marmagao (*58*)	(a) 29·788	—·007	..	6·5	..	..	..	..	..	..	..	..	..	..	5·1	88·10	—11·85	98	+1·7	5·10
Karwar (44)	29·824	+·010	..	2·6	76·0	72·6	87·1	+1·0	95·5	72·7	0	58·7	84	0	6·2	109·70	—10·42	104	—0·2	9·05
Bombay-Deccan.																				
Malegaon (1,430)	28·403	+·005	..	4·4	75·4	64·2	92·1	—0·1	110·0	64·0	—1·3	38·0	53	—4	4·7	20·52	—1·71	33	—1·5	2·44
Ahmadnagar (2,154)	(b) 27·775	(b) +·017	..	4·9	74·2	62·8	89·1	—0·5	106·3	64·5	+0·5	40·1	52	—8	3·9	27·63	+5·30	41	+4·9	3·03
Poona (1,846)	28·018	+·017	..	3·5	72·5	64·2	89·3	—0·1	107·0	63·9	—0·8	39·0	63	—2	4·4	28·26	+1·15	50	+2·6	2·59
Sholapur (1,570)	28·278	+·014	..	5·4	76·7	66·0	92·7	+1·3	109·0	68·9	+0·6	48·0	56	+1	2·3	22·17	—6·28	38	—3·3	4·75
Bijapur (1,950)	27·922	+·027	..	4·9	75·5	66·1	90·1	—0·5	103·6	67·9	+0·1	48·2	61	—4	4·1	23·47	+2·57	34	—2·1	2·70
Belgaum (2,562)	27·320	+·015	..	3·5	70·7	64·3	85·8	+0·7	101·8	64·9	+0·8	49·2	70	—1	4·5	45·70	—4·43	88	+7·1	2·29
Hyderabad, North.																				
Aurangabad (1,905)	27·959	+·008	..	7·3	74·2	63·3	89·9	—0·7	107·2	66·9	+0·8	47·2	54	—1	5·0	26·62	—0·91	41	—2·6	2·40
Nizamabad (1,248)	28·585	+·017	..	2·2	76·0	67·1	93·1	+1·1	113·7	69·3	+0·7	44·0	63	—1	3·8	33·19	—6·89	51	—4·7	5·37
Hyderabad, South.																				
Gulbarga (1,503)	28·343	+·014	..	8·0	77·3	66·7	92·1	—0·7	108·3	68·0	—1·1	48·0	56	—7	3·9	26·17	—4·91	37	—11·3	3·39
Raichur (*1,311*)	28·510	+·020	..	6·9	77·9	69·6	93·3	+0·9	110·0	71·3	—0·5	56·0	65	+1	0·9	24·10	—3·90	50	+5·3	2·35
Hyderabad (1,709)	28·129	+·019	..	4·3	75·4	67·5	92·0	+1·6	110·8	69·9	+0·3	49·0	66	—3	4·3	30·13	—2·14	45	—5·1	2·33
Hanmkonda (877)	28·949	+·011	..	4·8	77·9	69·9	91·7	+0·5	115·3	71·6	+0·5	52·0	66	+5	5·3	36·09	+1·67	58	+7·5	2·63
Mysore.																				
Chitaldrug (2,405)	27·474	+·016	..	5·8	73·4	67·0	88·1	+1·1	103·0	68·4	+0·9	57·0	71	+1	5·4	34·51	+9·61	46	—1·1	5·29
Bangalore (3,021)	26·894	+·016	..	6·0	70·9	66·1	85·7	+1·1	99·3	65·1	+0·8	52·5	77	—1	6·5	39·03	+3·66	59	+0·1	2·63
Mysore (2,518)	27·379	+·009	..	5·8	71·8	67·2	86·7	+0·4	98·9	66·5	+0·6	55·0	79	+3	5·9	33·11	+1·71	51	—3·8	5·54
Malabar.																				
Mangalore (72)	29·797	+·007	..	4·3	79·2	74·6	87·3	—0·2	93·8	74·4	+0·3	64·4	79	+1	6·3	136·68	+11·20	110	—6·5	8·42
Calicut (27)	29·848	+·013	..	4·6	79·3	74·7	89·1	+2·7	95·1	74·6	+0·1	65·6	80	—4	7·2	120·76	+3·62	118	+4·1	8·65
Cochin (9)	29·875	+·017	..	4·6	80·2	75·7	85·7	—2·1	93·3	75·7	+0·7	69·2	80	0	5·7	123·52	+8·96	148	+13·5	4·93
Trivandrum (196)	29·655	—·005	..	5·5	78·3	74·6	84·2	—0·1	89·8	75·8	+0·7	69·3	83	+1	5·5	69·53	+5·62	97	+3·2	2·93

(a) Mean of 11 months. (b) Mean of 4 months.

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

ANNUAL TABLE D-3 FOR 1930—*concld.*

Abstract of 8 hrs. (local time) observations.

Station and height of bar cistern above sea-level in feet.	Pressure.		Wind.		Temperature.								Humidity.		Cloud	Rainfall.				
					Mean 8 h.		Maximum.			Minimum.										
	Mean 8 h. reduced to 32° F 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.																				
Pamban (37)	29·815	+·012	..	6·8	82·0	76·4	87·1	—0·6	98·8	78·4	+0·9	68·9	76	—4	3·8	33·26	—3·74	40	—6·5	4·04
Madura (463)	29·386	+·005	..	3·7	80·7	72·8	92·9	—0·8	103·8	75·2	+1·0	65·9	67	—4	6·9	47·31	+13·73	66	+16·9	4·30
Negapatam (31)	29·819	+·012	..	7·0	81·0	75·2	89·2	—1·0	101·8	77·2	+1·0	68·4	76	0	6·1	83·41	+28·43	59	+3·2	15·66
Trichinopoly (255)	29·603	+·009	..	4·4	81·3	73·7	93·0	—1·3	105·3	74·6	+0·3	59·5	69	—3	5·0	51·11	+17·93	49	+2·1	12·56
Coimbatore (1,341)	28·517	+·005	..	2·4	76·2	71·4	88·1	—1·8	99·0	70·5	+0·8	60·1	79	—2	5·8	41·21	+18·92	50	+5·6	4·32
Salem (913)	28·940	+·008	..	4·0	77·5	72·5	92·1	—0·9	104·4	72·2	+1·0	57·4	77	0	4·9	41·86	+2·56	68	+4·6	4·08
Cuddalore (42)	29·820	+·021	..	4·4	80·0	75·2	89·5	—1·0	101·5	75·5	+0·7	62·8	79	—1	6·2	68·25	+15·31	55	—1·4	6·12
Vellore (702)	29·132	—·005	..	3·6	77·8	71·5	89·5	—2·4	105·5	72·6	+0·2	55·8	73	—4	5·6	65·46	+23·05	70	+13·8	11·77
Madras (22)	29·811	—·003	..	6·6	80·7	75·1	90·3	—0·8	107·0	74·9	—0·1	62·7	77	0	5·9	78·69	+27·95	78	+20·7	6·99
Madras-Deccan.																				
Cuddapah (428)	29·433	+·026	..	3·8	80·2	73·5	92·9	—2·7	109·5	74·5	0	58·4	72	+5	5·1	41·94	+10·71	62	+15·9	3·50
Bellary (1,473)	28·373	+·009	..	4·7	76·5	68·3	91·1	—2·2	104·8	71·3	+0·4	56·0	65	+4	3·6	24·47	+3·96	44	+8·7	3·05
Kurnool (923)	28·912	+·006	..	6·1	77·5	68·9	93·4	—0·4	109·2	71·4	+0·2	51·0	63	—5	4·9	24·16	—1·86	49	+2·3	2·57
Madras Coast, North.																				
Nellore (66)	29·781	+·022	..	3·9	80·1	74·3	92·5	—1·2	108·7	75·8	+0·6	63·9	76	0	5·8	55·67	+17·69	62	+18·0	4·21
Masulipatam (10)	29·819	0	..	4·7	79·9	75·0	88·8	—1·7	112·8	74·5	0	61·0	79	—2	4·4	61·36	+19·77	72	+18·5	5·96
Cocanada (26)	29·806	+·009	..	5·4	79·8	74·2	89·3	0	113·4	74·4	—0·6	60·0	76	—2	5·7	56·58	+17·49	65	+11·1	6·15
Vizagapatam (126)	29·691	+·009	..	3·6	78·9	73·4	86·3	—0·7	99·1	74·5	—0·9	59·3	76	+3	5·1	47·25	+10·16	46	—4·9	5·69
Calingapatam (19)	29·800	+·012	..	5·6	78·4	74·2	87·5	—1·2	98·4	73·6	—0·2	55·2	81	0	4·2	45·91	+1·70	55	+1·9	4·95
Gopalpur (56)	29·757	+·017	..	7·5	78·4	74·1	86·6	+0·5	98·3	72·9	—0·4	53·6	80	—1	4·2	51·16	+6·20	57	+0·8	5·54
Hill Station, excluding Kashmir and Baluchistan.																				
Maymyo (3,546)	26·383	+·012	..	1·9	65·6	62·2	77·3	+0·7	96·3	58·0	+1·6	36·8	82	—4	5·3	70·30	+11·68	100	+9·2	3·37
Shillong (4,920)	25·087	+·015	..	2·2	62·0	56·6	69·1	—0·8	80·7	52·9	—0·5	27·8	71	—3	6·0	85·36	+1·44	125	+1·4	3·52
Cherrapunji (4,309)	25·631	0	..	5·3	63·4	58·7	68·4	—0·3	79·3	57·6	+0·5	35·0	75	—6	6·5	365·40	—58·67	170	+10·8	18·70
Darjiling (7,432)	22·910	+·005	..	2·4	53·3	50·7	59·3	0	76·5	47·9	+0·2	27·6	84	—1	7·2	100·55	—22·12	107	—16·2	8·88
Mukteswar (7,592)	22·814	+·022	..	6·0	53·7	46·8	62·6	—1·0	82·0	49·5	+1·6	25·0	56	—5	4·2	45·01	—7·27	84	+2·7	2·21
Mussoorie (6,940)	23·349	..	..	4·7	55·6	49·2	62·7	..	85·0	50·6	..	25·0	61	..	4·2	87·69	—22·10	87	—15·2	5·14
Simla (7,224)	23·071	+·013	..	3·2	54·6	46·0	61·4	—1·0	81·0	49·6	+0·4	22·0	48	—4	4·5	46·68	—16·89	87	—0·2	3·20
Murree (6,181)	..	..	..	4·2	57·9	49·1	63·4	—1·3	86·0	51·4	+1·0	25·0	53	—3	3·1	52·76	—7·09	81	+3·9	4·50
Chorat (4,256)	25·656	+·009	..	8·9	61·2	52·0	(b) 68·3	(b) —1·3	97·0	55·9	—0·6	30·2	52	0	2·9	34·37	+6·86	40	—2·0	3·40
Peshawar (6,000)	24·415	+·024	..	3·5	57·9	(a) 50·0	70·6	+0·3	95·0	48·2	+0·3	14·0	(a) 47	—9	3·5	31·25	+1·73	65	+0·2	1·64
Drosh (4,500)	..	..	..	2·8	55·1	(b) 51·3	71·3	—1·4	104·2	51·5	—0·4	22·0	(b) 58	0	3·6	22·03	+5·23	48	+8·0	1·40
Mount Abu (3,945)	25·993	+·015	..	4·8	69·3	56·9	76·3	+0·5	97·0	61·6	—0·4	37·0	46	—8	3·9	58·25	—2·51	58	+4·3	7·13
Pachmarhi (3,528)	26·393	+·016	..	3·4	70·4	60·5	80·5	+0·6	102·0	59·9	—1·1	34·0	57	—5	6·3	79·73	+3·21	71	—6·5	9·74
Mercara (3,781)	26·186	+·024	..	5·1	66·0	63·3	76·1	—0·2	89·0	(b) 61·5	+0·4	52·8	87	+2	6·4	111·73	—13·73	129	—8·4	3·73
Kodaikanal (7,688)	22·785	+·018	..	6·6	57·7	51·7	65·3	+0·2	73·3	50·9	—0·1	39·0	68	0	5·1	74·83	+12·65	101	—5·6	5·79
Coonoor (5,730)	24·440	..	..	3·3	63·4	57·7	70·5	..	79·6	54·0	..	37·0	72	..	5·6	70·01	..	89	..	7·14
Ceylon.																				
Colombo (24)	29·846	+·007	..	4·3	75·9	73·7	85·9	—1·2	93·0	74·8	—0·4	65·0	90	+5	7·6	116·69	+32·53	122	+11·0	3·48

(a) Mean of 11 months. (b) Mean of 10 months.

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

MONTHLY AND ANNUAL TABLE D-3 FOR 1930.

Abstract of 8 hrs. (local time) observations.

Station and height of barcistern above sea-level in feet.	Month.	Pressure. Mean 8 h. reduced 32° F. 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 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	21	22
Srimangal (Assam) (69).	January	29·958	—·023	..	..	55·3	53·6	75·7	—4·9	81·7	45·9	—1·9	39·3	87	—5	2·2	1·15	+0·66	1	0	1·09
	February	·947	+·049	..	..	62·2	58·8	83·0	—0·2	90·7	52·8	+1·1	43·1	81	—7	2·5	0·86	—0·69	1	—1·8	0·86
	March	·829	—·006	..	..	71·1	66·6	88·0	—1·1	94·7	62·2	+1·3	52·8	78	—6	3·1	4·91	+0·66	8	+2·5	1·48
	April	·751	+·003	..	..	76·9	72·8	91·9	+1·2	98·1	68·7	+0·2	61·5	82	—3	4·6	8·20	—2·52	8	—3·6	2·84
	May	·689	+·035	..	..	79·0	75·6	89·9	—1·3	97·5	73·0	+1·0	64·9	84	—1	5·1	10·21	—4·75	13	—1·1	2·12
	June	·600	+·064	..	..	78·7	76·6	86·7	—3·5	94·7	74·0	—1·3	68·7	91	+4	7·4	36·40	+19·35	25	+4·9	6·52
	July	·516	—·021	..	..	80·9	78·3	90·5	+0·2	95·0	76·7	+0·5	73·5	89	+1	7·0	9·33	—7·14	16	—5·7	3·81
	August	·586	+·009	..	..	80·7	77·6	90·6	+0·3	93·8	76·6	+0·6	75·0	87	—2	6·6	5·47	—7·77	16	—4·6	0·81
	September	·703	+·039	..	..	79·5	77·9	89·8	—1·0	94·0	75·9	+0·9	73·1	93	+5	6·9	14·19	+2·35	21	+4·8	1·89
	October	·875	+·092	..	..	77·3	74·2	87·5	—2·1	91·9	70·1	0	68·1	86	—2	4·9	7·65	+0·83	10	+1·6	1·63
	November	·940	+·060	..	..	71·0	69·0	82·0	—5·0	90·0	64·0	+5·0	54·0	90	0	6·1	7·28	+6·37	6	+4·9	2·80
	December	·973	+·034	..	..	60·0	58·0	79·4	—1·5	82·0	50·1	+1·4	46·0	88	—4	1·1	0	—0·23	0	—0·6	0
	Year	29·781	+·029	..	..	72·7	69·9	86·3	—1·5	98·1	65·8	+0·7	39·3	86	—2	4·8	105·65	+7·12	125	+1·3	6·52
Moakhali (Bengal) (43).	January	29·981	—·013	N 4° E	1·8	60·3	57·7	76·6	—1·3	82·3	55·8	+2·3	49·4	85	—3	3·5	0	—0·27	0	—0·6	0
	February	·970	+·023	N 11° E	2·4	66·2	63·0	81·5	+0·7	89·0	62·3	+4·4	52·8	83	—2	4·1	0·24	—0·89	1	—0·8	0·20
	March	·852	—·017	S 15° E	4·0	76·3	72·5	86·0	—0·4	90·0	71·2	+3·5	65·2	82	—2	3·5	3·89	+1·24	5	+1·6	1·15
	April	·789	—·001	S 4° W	5·8	81·0	75·8	89·4	+0·9	95·0	75·0	+1·3	68·0	78	—3	5·3	0·94	—5·46	1	—5·3	0·45
	May	·706	+·005	S 51° E	5·0	83·2	78·9	88·9	—0·2	95·0	76·6	+0·7	69·0	81	—1	7·5	10·00	—1·40	13	+2·4	3·22
	June	·614	+·030	S 34° E	7·7	82·2	79·0	86·5	—0·4	90·0	77·5	+0·2	71·0	87	—1	8·1	17·89	—3·60	21	+2·4	2·49
	July	·526	—·040	S 32° E	6·9	80·6	78·4	86·5	+0·7	90·0	78·1	+0·4	75·0	91	+1	8·7	19·35	—5·00	24	+1·4	3·76
	August	·597	—·017	S 42° E	7·9	80·4	78·5	86·2	+0·6	89·0	78·5	+1·1	76·0	91	+1	8·8	15·66	—10·55	27	+3·6	1·89
	September	·717	+·004	S 61° E	5·5	81·8	78·9	88·6	+2·0	92·0	79·5	+2·0	76·0	87	—3	7·4	4·42	—12·21	11	—4·9	0·86
	October	·895	+·058	N 45° E	2·7	80·2	76·4	87·9	+1·6	90·0	76·0	+2·1	71·0	82	—6	4·4	6·36	—2·00	5	—2·6	2·76
	November	·951	+·021	N 10° E	3·0	72·2	69·8	83·0	0	91·0	68·7	+4·4	62·0	88	+1	5·8	3·35	+1·61	5	+3·2	1·40
	December	·993	+·002	N 1° W	3·0	62·5	60·2	78·1	+0·1	80·0	58·4	+3·5	54·0	86	—1	1·6	0	—0·28	0	—0·4	0
	Year	29·799	+·004	..	4·6	75·6	72·4	84·9	+0·3	95·0	71·5	+2·2	49·4	85	—2	5·7	82·10	—33·81	113	0	3·76

MONTHLY AND ANNUAL TABLE D-3 FOR 1930—*contd.*

Abstract of 8 hrs. (local time) observations.

Station and height of bar-cistern above sea-level in feet.	Month.	Pressure.		Wind.		Temperature.								Humidity.		Cloud	Rainfall.				
						Mean 8 h.		Maximum.			Minimum.										
		Mean 8 h. reduced to 32° F. 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 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 the 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	21	22
Midnapore (Bengal) (149).	January	29·867	−·010	N 13° W	1·3	61·7	56·8	79·6	−1·2	90·9	55·3	−0·7	49·5	72	+1	4·1	0	−0·46	0	−0·9	0
	February	·858	+·042	N 13° W	2·1	67·2	60·8	85·3	−0·2	96·2	60·6	−0·5	51·6	68	0	2·1	0·46	−0·74	1	−0·8	0·45
	March	·697	−·024	S 4° E	3·3	78·3	68·8	98·0	+3·3	102·5	70·7	+1·4	60·5	61	−6	3·3	0·28	−1·15	1	−1·5	0·28
	April	·623	+·008	S 21° W	4·1	82·8	74·1	101·3	+0·7	109·0	76·0	+0·1	62·6	65	−5	4·0	0·62	−1·25	2	−1·5	0·33
	May	·527	+·010	S 3° E	4·7	85·1	79·3	100·0	+0·5	110·0	79·7	+1·5	72·0	76	+2	6·2	5·51	+0·19	6	−1·3	3·26
	June	·424	+·031	S 29° E	4·3	84·6	79·7	95·6	+2·2	105·0	80·1	+1·3	76·0	79	−3	8·1	6·56	−3·94	9	−4·0	3·35
	July	·351	−·027	S 4° E	2·7	81·6	78·0	88·2	−1·9	94·0	78·4	−0·4	77·0	89	+4	9·4	15·20	+2·67	21	+5·1	2·03
	August	·437	+·010	S 16° E	2·2	81·7	79·3	88·4	−1·0	92·0	78·8	+0·5	76·0	89	+2	9·4	12·77	+0·55	17	+0·6	2·49
	September	·557	+·014	S 45° E	2·3	81·9	79·4	88·8	−0·9	93·0	78·3	+0·4	75·0	89	+3	9·4	16·51	+7·76	17	+4·8	3·35
	October	·757	+·058	S 16° W	1·3	79·2	75·4	90·6	+1·2	94·0	75·0	+1·6	70·0	82	+2	4·7	0·66	−2·98	3	−2·4	0·34
	November	·854	+·039	N 13° E	1·9	68·9	65·4	81·7	−2·9	91·0	63·7	+0·2	55·0	82	+11	6·8	4·16	+3·28	3	+1·9	3·17
	December	·898	+·014	N 3° W	1·6	59·9	55·9	78·4	−1·3	83·0	53·5	−1·7	49·0	76	+8	2·1	0	−0·25	0	−0·3	0
	Year	29·654	+·014	..	2·7	76·1	71·1	89·7	−0·1	110·0	70·8	+0·3	49·0	77	+1	5·8	62·73	+3·68	80	−0·3	3·35
Khulna (Bengal) (16).	January	29·992	..	N 6° W	1·9	59·9	56·3	77·7	..	87·8	52·4	..	46·4	79	..	1·2	0	..	0	..	0
	February	·981	..	N 3° W	2·8	66·0	61·5	83·0	..	93·0	59·3	..	47·0	76	..	2·1	0·11	..	1	..	0·11
	March	·841	..	S 45° W	4·0	75·6	71·0	92·1	..	99·0	68·3	..	57·0	79	..	4·1	0·33	..	2	..	0·22
	April	·770	..	S 25° W	6·0	81·8	76·5	95·1	..	100·0	74·5	..	67·0	77	..	5·0	0·85	..	4	..	0·34
	May	·690	..	S 36° E	5·0	82·5	78·7	92·8	..	97·0	75·6	..	72·0	83	..	5·7	6·53	..	11	..	0·95
	June	·587	..	S 33° E	5·3	83·8	79·9	90·0	..	94·0	78·9	..	74·0	83	..	7·8	7·52	..	11	..	1·62
	July	·504	..	S 45° E	5·5	81·6	78·9	87·1	..	93·0	78·0	..	76·0	89	..	9·1	16·20	..	20	..	2·65
	August	·577	..	S 33° E	3·8	82·2	79·2	87·7	..	91·0	78·9	..	77·0	87	..	9·0	17·46	..	19	..	2·83
	September	·706	..	S 51° E	2·4	83·0	79·8	89·1	..	93·0	79·0	..	77·0	87	..	8·2	5·77	..	12	..	1·65
	October	·892	..	S 34° W	1·1	81·9	77·2	89·5	..	92·0	75·8	..	70·0	83	..	3·9	0·20	..	0	..	0·08
	November	·967	..	N 45° W	1·1	72·2	67·6	82·4	..	92·0	66·1	..	59·0	78	..	5·5	4·10	..	6	..	1·35
	December	30·012	..	N	1·1	64·2	59·3	78·5	..	82·0	56·0	..	51·0	73	..	1·2	0	..	0	..	0
	Year	29·798	..	..	3·3	76·2	72·1	87·1	..	100·0	70·2	..	46·4	81	..	5·2	59·07	..	86	..	2·88

MONTHLY AND ANNUAL TABLE D-3 FOR 1930—*contd.*

Abstract of 8 hrs. (local time) observations.

Station and height of barometer above sea-level in feet.	Month	Pressure. Mean 8 h. reduced to 32° F. 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
Satkhira (Bengal).	January	29·997	..	N 18° E	1·7	56·4	54·7	78·8	..	87·4	50·6	..	44·5	89	..	1·3	0	..	0	..	0
	February	·986	..	N 63° W	2·0	63·9	60·9	84·6	..	94·0	57·1	..	43·0	83	..	2·7	0	..	0	..	0
	March	·840	..	S 63° W	3·4	76·2	71·4	93·9	..	100·0	68·5	..	57·0	78	..	4·0	0·64	..	1	..	0·64
	April	·764	..	S 68° W	4·4	82·6	76·6	97·2	..	105·0	74·7	..	67·0	75	..	5·2	0·81	..	4	..	0·33
	May	·684	..	S 20° E	3·5	83·9	79·5	95·3	..	101·0	75·5	..	70·0	81	..	6·5	6·76	..	11	..	1·27
	June	·581	..	S 1° E	4·2	84·2	80·3	91·9	..	98·0	78·8	..	72·0	83	..	8·5	5·27	..	16	..	2·25
	July	·501	..	S 27° E	3·7	81·8	79·6	88·6	..	93·0	77·9	..	75·0	91	..	9·3	13·59	..	20	..	2·51
	August	·575	..	S 13° E	2·9	82·0	79·7	88·2	..	93·0	78·3	..	76·0	89	..	9·4	12·81	..	23	..	1·73
	September	·707	..	S 45° E	2·8	82·8	80·3	89·4	..	94·0	78·6	..	75·0	89	..	9·2	9·15	..	14	..	2·77
	October	·893	..	N 84° W	1·5	80·9	77·8	90·8	..	93·0	74·3	..	69·0	87	..	5·1	1·24	..	3	..	0·57
	November	·975	..	N 3° W	2·2	69·5	67·3	83·9	..	92·0	64·0	..	58·0	90	..	5·1	2·17	..	3	..	1·18
	December	30·015	..	N 4° W	1·3	58·7	57·0	79·9	..	83·0	52·9	..	48·0	91	..	1·0	0	..	0	..	0
	Year	29·793	..	..	2·8	75·2	72·1	88·5	..	105·0	69·2	..	43·0	85	..	5·6	52·44	..	89	..	2·77
Asansol (Bengal) (414).	January	29·583	..	..	..	57·0	53·9	76·2	..	88·1	51·5	..	45·0	80	..	1·7	0	..	0	..	0
	February	·581	..	..	..	63·0	57·4	82·6	..	93·6	56·5	..	46·5	70	..	2·4	0	..	0	..	0
	March	·415	..	..	..	74·7	63·2	95·5	..	103·0	66·8	..	59·0	50	..	2·8	0·54	..	1	..	0·51
	April	·334	..	..	..	82·0	69·9	100·4	..	106·0	73·3	..	65·0	52	..	3·5	0·90	..	3	..	0·31
	May	·252	..	..	..	84·3	76·8	101·6	..	109·0	78·3	..	71·0	70	..	4·8	2·09	..	4	..	0·92
	June	·148	..	..	..	85·4	81·2	98·2	..	111·0	79·0	..	73·0	83	..	7·4	7·69	..	13	..	1·50
	July	·076	..	..	..	80·9	78·5	88·5	..	94·0	77·3	..	74·0	89	..	8·8	13·00	..	20	..	2·25
	August	·158	..	..	..	81·0	78·9	88·7	..	96·0	77·7	..	76·0	91	..	8·2	11·73	..	13	..	3·10
	September	·287	..	..	..	81·5	78·8	89·0	..	94·0	77·2	..	71·0	89	..	7·1	10·05	..	13	..	1·95
	October	·475	..	..	..	77·8	73·4	90·5	..	94·0	71·9	..	66·0	80	..	3·7	1·04	..	4	..	0·55
	November	·578	..	..	..	66·7	66·7	80·5	..	93·0	61·4	..	54·0	84	..	4·8	6·09	..	6	..	3·00
	December	·618	..	..	..	57·1	53·4	76·6	..	80·0	51·4	..	47·0	78	..	1·5	0	..	0	..	0
	Year	29·375	..	..	..	74·3	69·1	89·0	..	111·0	66·5	..	45·0	76	..	4·7	53·13	..	77	..	3·00

MONTHLY AND ANNUAL TABLE D-3 FOR 1930—*contd.*

Abstract of 8 hrs. (local time) observations.

Station and height of barometer cistern above sea-level in feet.	Month.	Pressure. Mean 8 h. reduced to 32° F. 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
Kalimpong (Bengal) (3,993)	January	26·078	..	N 68° W	5·7	47·1	45·5	55·6	..	61·7	44·2	..	39·9	88	..	2·8	0·40	..	1	..	0·27
	February	·109	..	N 57° W	7·0	52·8	49·4	61·9	..	67·7	48·1	..	39·2	79	..	1·3	1·05	..	4	..	0·65
	March	25·979	..	N 57° W	6·5	58·6	54·8	67·8	..	72·7	54·4	..	46·1	79	..	4·2	1·73	..	4	..	0·98
	April	·926	..	N 56° W	7·7	64·5	59·6	71·4	..	76·9	58·9	..	51·1	74	..	3·3	2·59	..	8	..	0·67
	May	·905	..	N 58° W	7·0	68·4	64·8	76·0	..	81·3	62·1	..	55·1	83	..	4·8	2·72	..	5	..	1·26
	June	·807	..	N 76° W	5·9	69·0	67·6	74·8	..	79·5	65·4	..	63·1	93	..	7·0	11·46	..	13	..	2·82
	July	·770	..	W	5·8	70·8	69·5	76·5	..	81·6	67·3	..	64·3	93	..	7·2	22·42	..	23	..	2·80
	August	·810	..	S 22° E	5·2	69·4	68·9	74·4	..	78·7	67·3	..	60·1	97	..	8·7	18·93	..	25	..	3·26
	September	·932	..	N 58° W	5·4	69·9	68·2	75·1	..	78·3	66·2	..	63·9	93	..	6·2	6·34	..	8	..	1·33
	October	26·042	..	N 72° W	5·5	64·4	62·1	70·2	..	76·4	60·1	..	54·6	87	..	6·2	1·07	..	3	..	0·52
	November	·110	..	N 51° W	6·3	59·0	55·0	67·0	..	72·0	54·0	..	50·0	77	..	3·6	1·01	..	1	..	0·89
	December	·068	..	N 55° W	6·8	52·1	48·9	61·5	..	65·0	48·3	..	46·0	81	..	3·2	0·27	..	1	..	0·27
	Year	25·961	..	..	6·2	62·2	59·5	69·3	..	81·6	58·0	..	39·2	85	..	4·8	69·99	..	96	..	3·26
Puri (Orissa) (20).	January	29·968	—·034	N 2° E	6·6	66·8	63·9	80·2	—0·1	84·6	52·7	—0·8	52·7	85	+2	2·6	0	—0·30	0	—0·5	0
	February	·961	+·020	N 15° W	8·9	70·8	65·7	81·8	—1·4	90·0	65·5	—3·6	56·7	75	—6	1·4	1·25	+0·39	1	0	1·17
	March	·827	—·032	S 51° W	13·5	79·7	74·6	85·9	—0·6	95·2	75·4	+0·1	66·8	78	—5	3·7	0·04	—0·51	0	—1·1	0·02
	April	·764	—·004	S 58° W	12·9	82·5	78·0	88·1	+0·3	99·0	78·7	+0·1	69·0	81	—4	4·2	0·25	—0·43	0	—1·8	0·06
	May	·655	—·005	S 7° W	11·6	84·2	81·5	88·5	—1·4	92·0	81·5	+0·7	73·0	89	+4	6·2	2·17	—0·66	3	—0·4	1·72
	June	·588	+·001	S 21° W	13·2	84·4	80·9	89·0	0	93·0	81·4	+0·8	76·0	85	0	7·8	6·95	—0·36	11	+2·9	2·47
	July	·491	—·036	S 78° W	11·3	83·8	79·3	88·3	+0·6	93·0	80·2	+0·4	75·0	81	—5	7·9	12·43	+2·40	12	+0·1	3·56
	August	·572	+·002	S 60° W	9·8	82·6	78·9	87·3	—0·5	92·0	79·5	0	75·0	85	—1	8·5	10·68	—1·68	11	—2·0	3·34
	September	·654	—·017	S 83° W	10·0	82·8	79·1	87·8	—1·1	95·0	79·5	—0·2	75·0	85	+1	6·8	11·26	+2·48	15	+3·5	2·32
	October	·871	+·048	N 17° W	6·8	81·4	77·1	88·3	—0·9	92·0	77·9	+0·8	74·0	81	—1	4·5	1·36	—5·48	5	—3·1	0·45
	November	·950	+·011	N 2° E	7·3	72·5	67·6	82·8	—2·1	89·0	69·0	—0·2	63·0	76	—3	4·9	12·30	+3·58	4	+1·6	6·04
	December	30·004	—·004	N 6° E	5·4	66·4	62·0	79·9	—0·8	84·0	62·6	+0·5	57·9	76	—2	2·1	0	—0·30	0	—0·4	0
	Year	29·771	—·004	..	9·8	78·1	74·1	85·7	—0·6	99·0	74·5	—0·3	52·7	81	—2	5·1	58·59	+4·13	62	+0·3	6·04

MONTHLY AND ANNUAL TABLE D-3 FOR 1930—*contd.*

Abstract of 8 hrs. (local time) observations.

Station and height of barcistern above sea-level in feet.	Month.	Pressure.		Wind.		Temperature.								Humidity.		Cloud	Rainfall.				
						Mean 8 h.		Maximum.			Minimum.										
		Mean 8 h. reduced to 32° F 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 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 the 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	21	22
Angul (Orissa) (455).	January	29·540	—·027	N 67° W	3·3	58·0	55·0	82·1	+0·3	92·5	54·4	—1·2	45·6	81	+5	2·5	0	-0·46	0	—0·9	0
	February	·534	+·041	N 69° W	4·0	61·7	56·4	85·5	—1·1	95·5	57·6	—3·7	49·6	69	—4	1·6	0·22	—1·18	1	—1·3	0·19
	March	·394	—·029	N 60° W	5·3	72·4	64·5	97·5	+2·5	102·0	66·9	—0·7	59·4	64	—1	3·3	0	—0·99	0	—2·2	0
	April	·327	+·004	N 31° W	5·6	79·7	71·6	102·4	+1·0	109·0	75·1	+0·7	66·0	66	0	3·1	0·06	—1·24	0	—2·7	0·03
	May	·221	+·010	E	(a) 6·3	83·6	77·8	103·2	+0·2	110·0	78·7	+0·3	68·0	75	+6	5·0	3·35	+1·37	4	—0·7	1·75
	June	·115	+·024	S 45° E	7·3	83·5	78·5	98·2	+4·4	113·0	78·9	+0·9	71·0	79	0	7·4	11·14	+2·20	12	—1·1	2·04
	July	·066	—·022	N 80° W	10·0	80·0	76·2	87·4	—1·1	91·0	77·0	—0·3	72·0	82	—1	8·6	8·88	—2·11	9	—5·4	3·09
	August	·144	+·016	N 75° W	7·3	79·6	76·5	87·1	—0·2	92·0	76·6	—0·3	75·0	87	+2	8·4	8·38	—2·42	16	+1·5	1·25
	September	·239	+·003	N 25° W	5·4	79·7	77·3	88·8	0	93·0	76·3	0	73·0	89	+4	8·1	9·51	+3·43	18	+7·5	1·72
	October	·454	+·004	N 65° W	3·3	76·7	74·0	90·2	+1·2	94·0	72·1	+0·7	67·0	88	+8	5·0	0·40	—3·26	2	—3·3	0·15
	November	·541	+·041	N 68° W	4·4	67·3	64·9	81·3	—2·8	91·0	62·6	+0·2	55·0	87	+11	5·3	6·36	+5·25	5	+3·8	3·02
	December	·581	+·014	N 65° W	3·0	60·0	57·5	79·6	0	85·0	54·7	+0·3	47·0	85	+10	2·0	0	—0·21	0	—0·5	0
	Year	29·346	+·011	..	5·4	73·5	69·2	90·3	+0·4	113·0	69·2	—0·3	45·6	79	+3	5·0	48·30	+0·47	67	—5·3	3·09
Daltonganj (Ch.-Nagpur) (725)	January	29·288	—·008	N 31° E	1·8	55·7	51·6	74·4	—1·8	86·3	47·9	+0·6	40·6	75	—9	1·3	0	—0·86	0	—1·8	0
	February	·287	+·055	N 31° E	2·1	59·5	53·8	79·4	—0·5	92·7	51·1	—0·4	41·5	67	—11	0·9	0·09	—1·10	0	—2·3	0·07
	March	·121	—·016	N 45° E	3·0	71·2	58·6	93·0	+2·5	99·4	60·9	+1·5	53·8	45	—15	0·9	0·07	—0·62	0	—1·8	0·07
	April	·033	+·010	N 56° E	5·3	82·8	65·8	99·9	—1·5	107·0	70·4	+0·3	64·0	36	—10	3·6	0·58	+0·17	1	+0·1	0·31
	May	28·933	+·021	S 87° E	6·3	90·7	(b) 70·2	102·2	—4·1	109·0	79·0	+0·3	74·0	(b) 32	—17	1·4	0	—0·62	0	—1·4	0
	June	·825	+·037	S	6·5	90·0	75·8	101·4	+1·6	112·0	83·2	+2·6	76·0	50	—17	2·9	0·98	—5·64	2	—7·0	0·57
	July	·760	—·019	S 81° W	5·3	81·6	77·4	88·6	—2·9	99·0	77·1	—1·1	75·0	85	+2	6·1	11·66	—0·20	15	+0·3	3·84
	August	·846	+·016	S 90° W	5·3	81·2	77·2	87·6	—1·5	92·0	77·6	+0·7	74·0	83	—4	5·7	7·91	—5·25	11	—5·5	3·53
	September	·963	+·007	S 58° E	4·9	82·1	76·8	89·8	—0·4	98·0	76·7	+1·6	71·0	77	—7	3·7	9·12	+2·43	8	—0·9	3·21
	October	29·164	+·040	S 72° E	2·0	76·8	70·3	90·5	+0·9	94·0	69·3	+3·3	62·0	71	—9	1·6	0·38	—1·61	1	—2·2	0·33
	November	·287	+·034	S 72° E	2·3	65·8	61·0	79·6	—3·4	92·0	58·1	+4·0	51·0	73	—7	2·4	2·15	+1·78	3	+2·4	1·52
	December	·316	+·008	S 45° E	1·5	56·7	52·0	75·8	—0·8	81·0	46·4	+0·8	41·0	72	—11	0·5	0·49	+0·30	1	+0·6	0·43
	Year	29·069	+·016	..	3·9	74·5	65·9	88·5	—1·0	112·0	66·5	+1·2	40·6	64	—9	2·6	33·43	—11·22	42	—19·5	2·84

(a) Mean of 11 days. (b) Mean of 30 days.

MONTHLY AND ANNUAL TABLE D-3 FOR 1930—*contd.*

Abstract of 8 hrs. (local time) observations.

Station and height of barometer cistern above sea-level in feet.	Month.	Pressure. Mean 8 h. reduced to 32° F. 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
Pusa (Bihar) (188).	January	29·785	—·067	S 69° W	1·9	51·7	50·6	71·0	—3·8	80·3	48·2	+0·4	41·3	92	+4	2·0	0·37	+0·19	1	+0·4	0·36
	February	·787	+·015	N 74° W	2·3	57·4	55·4	77·6	—1·6	86·1	52·7	+1·7	43·9	88	+7	1·0	0·35	—0·43	1	—0·6	0·20
	March	·619	—·056	S 82° E	2·3	69·6	64·0	89·7	—0·3	96·1	62·2	+3·3	52·8	72	+11	1·1	0·42	—0·06	1	—0·4	0·40
	April	·532	—·040	N 86° E	2·8	81·1	71·5	98·7	+0·9	106·9	71·1	+2·6	64·0	61	+4	2·2	0·14	—0·62	0	—1·6	0·09
	May	·466	—·012	N 89° E	3·8	85·9	76·1	101·1	+1·8	108·3	77·0	+2·5	68·3	61	—6	1·4	0·97	—0·88	2	—1·1	0·81
	June	·358	+·005	N 83° E	3·8	84·1	78·8	97·2	+2·6	105·3	78·7	+1·3	73·6	77	—4	4·9	5·61	—3·27	4	—5·2	2·98
	July	·294	—·044	N 80° E	3·3	83·8	80·6	92·1	+1·0	98·3	79·9	+1·6	78·1	87	—1	7·5	6·26	—4·83	12	—2·1	2·55
	August	·355	—·033	S 86° E	2·4	83·0	80·6	91·9	+1·9	95·3	79·8	+1·8	76·3	89	+1	8·7	5·18	—9·76	9	—5·1	1·26
	September	·494	—·005	S 89° E	2·1	83·2	80·7	90·8	+0·4	97·1	79·4	+2·3	76·6	87	+1	6·8	11·86	+4·22	11	+1·6	2·63
	October	·673	+·007	S 86° E	1·0	77·7	75·5	89·5	—0·1	95·0	73·2	+2·8	67·1	91	+8	3·5	1·81	+0·32	5	+2·6	0·69
	November	·784	—·007	S 45° W	1·0	64·7	62·9	81·6	—1·8	88·1	61·0	+3·1	54·0	89	+5	2·5	0·45	+0·09	1	+0·6	0·45
	December	·817	—·036	S 48° W	1·3	53·4	52·1	74·7	—1·1	78·4	50·2	+1·4	45·9	90	+3	0·7	0·51	+0·41	1	+0·8	0·51
	Year	29·580	—·023	..	2·4	73·0	69·1	88·0	0	108·3	67·8	+2·1	41·3	82	+3	3·5	33·93	—14·62	48	—10·1	2·98
Patiala (Punjab) (818).	January(b)	29·188	+·002	N 55° W	(c) 1·9	48·6	46·0	65·2	—3·0	80·1	44·9	+0·9	37·3	82	+2	4·7	3·05	+1·72	3	+0·4	2·62
	February (e)	·181	+·057	N 5° E	(f) 2·0	53·6	50·7	72·0	+0·4	86·6	49·8	+1·9	41·0	82	+7	3·3	2·05	+0·79	4	+1·9	0·81
	March	·021	—·013	N 21° W	3·4	64·3	58·1	85·5	+3·2	99·1	58·9	+2·3	49·0	66	+3	1·8	0·60	—0·62	2	—0·4	0·40
	April (d)	28·963	+·037	N 5° E	(f) 3·1	77·4	69·1	96·5	+2·7	105·5	69·4	+2·8	59·2	64	+15	3·7	0	—0·59	0	—1·5	0
	May(b)	·846	+·034	N 40° E	(c) 2·8	85·4	(i) 71·2	104·5	+2·4	112·5	77·7	+1·7	72·2	48	+2	2·6	0	—0·69	0	—1·7	0
	June (c)	·741	+·048	S 67° E	2·6	85·7	(g) 75·3	102·8	+1·0	113·6	79·6	—1·3	67·0	60	+1	3·9	2·51	—0·01	3	—0·5	0·90
	July (b)	·694	+·021	S 50° E	(d) 2·4	83·3	79·2	92·5	—2·7	102·1	78·8	—1·1	71·6	83	+6	6·9	7·46	+1·39	13	+4·9	2·26
	August (b)	·773	+·039	S 53° W	(c) 2·5	84·1	77·1	96·5	+3·7	102·5	80·0	+1·2	76·0	72	—9	(c) 5·7	0·56	—6·13	2	—6·2	0·25
	September(e)	·916	+·052	S 79° E	(d) 2·3	80·4	74·1	95·8	+2·7	103·1	73·2	—1·5	67·2	73	—1	2·3	1·76	—2·78	2	—2·5	1·30
	October (b)	29·098	+·071	S 58° E	(c) 1·7	73·1	65·7	93·8	+2·7	99·5	64·6	+1·6	51·0	66	+2	1·7	0	—0·72	0	—0·9	0
	November (e)	·237	+·085	N 9° E	(d) 1·9	59·1	55·6	81·6	+0·4	85·1	52·4	+0·8	47·2	80	+ 13	0·8	0	—0·15	0	—0·3	0
	December (b)	·227	+·026	N 11° W	(c) 2·5	48·5	44·1	69·3	—1·8	79·9	43·8	—0·5	35·4	68	—10	2·0	0·93	+0·60	1	—0·1	0·93
	Year	28·990	+·038	..	2·4	70·3	63·9	88·0	+1·0	113·6	64·4	+0·7	35·4	70	+2	3·3	18·92	—7·19	36	—6·9	2·62

(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. (g) Mean of 25 days. (i) Mean of 28 days.

MONTHLY AND ANNUAL TABLE D-3 FOR 1939—*contd.*

Abstract of 8 hrs. (local time) observations.

Station and height of barometer above sea level in feet.	Month.	Pressure. Mean 8 h. reduced to 32° F. 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
Mandi (Punjab)	January	29·287	..	S 72° W	2·1	47·5	43·8	68·4	..	84·7	..	..	..	73	..	2·7	0·53	..	2	..	0·32
	February	·276	..	S 56° E	3·2	53·6	49·6	77·1	..	91·6	..	..	..	75	..	2·5	0·47	..	3	..	0·18
	March	·111	..	N 56° W	3·8	65·7	57·0	90·7	..	101·8	..	..	..	56	..	0·9	0·08	..	0	..	0·04
	April	·047	..	N 59° W	6·0	79·4	64·2	97·7	..	106·9	..	..	..	40	..	2·1	0·05	..	0	..	0·03
	May	28·942	..	S 53° W	6·4	89·0	67·1	106·3	..	113·0	75·7	..	68·5	27	..	0·7	0·02	..	0	..	0·02
	June	·841	..	S 45° E	7·1	88·9	73·5	103·5	..	113·0	77·6	..	65·0	45	..	1·7	3·29	..	5	..	1·35
	July	·784	..	S 13° W	6·2	84·8	79·7	94·6	..	102·5	73·6	..	74·5	79	..	5·1	10·94	..	8	..	3·02
	August	·844	..	S 58° W	7·0	84·3	77·7	96·3	..	101·0	76·6	..	72·5	74	..	2·7	0·98	..	3	..	0·46
	September	·999	..	N 59° W	5·7	83·0	72·4	99·2	..	107·5	70·3	..	54·7	58	..	1·2	1·34	..	3	..	0·59
	October	29·157	..	S 6° E	1·3	77·1	63·2	97·1	..	103·5	61·4	..	53·3	42	..	1·0	0·01	..	0	..	0·01
	November	·306	..	E	0·8	65·0	53·0	85·1	..	88·8	47·5	..	42·0	49	..	0·4	0·16	..	1	..	0·15
	December	·327	..	N 63° W	0·7	50·2	43·0	76·7	..	82·5	33·8	..	31·7	65	..	1·9	0·04	..	0	..	0·04
	Year	29·077	..	..	4·2	72·4	62·3	91·1	..	113·0	(d) 65·8	..	31·7	57	..	1·9	17·91	..	25	..	3·02
Bidar (Hyderabad Dn.) (2,165)	January	..	..	S 45° E	5·8	68·9	53·1	87·5	+4·1	92·6	63·8	+3·3	57·8	50	—10	4·7	0	—0·22	0	—0·4	0
	February	..	..	S 53° E	6·9	68·7	56·5	87·9	—0·5	96·1	63·2	+1·1	57·1	44	—11	5·4	0·08	—0·25	0	—0·7	0·08
	March	..	..	S 34° W	6·2	79·4	62·6	97·9	+2·8	101·1	72·4	+2·0	69·4	36	—11	7·0	0·23	—0·13	1	—0·1	0·33
	April	..	..	S 45° W	7·0	83·6	64·9	100·9	+1·8	104·3	76·7	+1·6	71·2	34	—13	5·7	0·06	—1·09	0	—2·5	0·03
	May	..	..	N 76° W	8·8	85·4	63·5	102·8	+2·3	103·5	79·4	+2·2	73·3	40	—12	6·1	0·53	—0·38	2	—0·3	0·34
	June	..	..	S 79° W	14·2	77·7	70·5	(t) 101·4	+8·7	106·8	74·0	+1·7	69·9	70	—6	7·2	4·23	—0·74	10	+2·2	1·00
	July	..	..	S 73° W	16·4	74·2	69·4	(v) 88·9	+3·2	93·9	71·0	+2·1	68·7	77	—7	6·8	4·40	—4·29	9	—3·0	1·62
	August	..	..	N 85° W	12·1	72·9	68·7	85·7	+2·0	91·9	70·3	+2·4	67·2	81	—4	7·5	6·75	—0·44	7	—4·4	2·98
	September	..	..	N 83° W	7·8	72·8	70·4	84·2	0	89·9	70·1	+2·1	67·4	88	+5	7·6	12·25	+2·36	13	+1·6	2·00
	October	..	..	S 28° E	6·0	73·5	70·3	85·8	—0·7	91·5	70·0	+2·4	67·4	86	+17	6·2	4·64	+1·94	6	+2·3	1·64
	November	..	..	N 69° E	5·6	67·7	61·6	81·9	—1·4	86·2	63·6	+0·3	57·8	79	+7	5·4	0·34	—0·63	2	+0·5	0·21
	December	..	..	S 48° E	5·2	68·1	61·4	84·2	+2·8	88·4	63·6	+3·2	56·9	68	+7	1·9	0	—0·27	0	—0·6	0
	Year	..	..	..	8·5	74·4	63·2	90·8	+2·1	103·5	69·8	+1·8	56·9	62	—3	6·0	33·61	—4·14	50	—4·4	2·98

(t) Mean of 12 days. (v) Mean of 10 days. (d) Mean of 8 months.

MONTHLY AND ANNUAL TABLE D-3 FOR 1930—*contd.*

Abstract of 8 hrs. (local time) observations.

Station and height of barometer above sea-level in feet.	Month.	Pressure. Mean 8 h. reduced to 32° F. 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
Jamnagar (Gujarat) (61).	January	29·985	+·002	N 51° E	4·7	60·2	53·5	76·8	—2·6	89·5	50·2	—3·5	40·1	62	—1	2·7	0	—0·05	0	—0·2	0
	February	·983	+·039	S 64° W	5·7	63·2	56·9	83·2	+0·7	93·3	51·8	—3·9	42·9	67	+3	3·1	0·04	—0·06	0	—0·2	0·04
	March	·865	—·002	N 77° W	6·2	73·5	69·0	90·1	+0·1	97·7	61·9	—1·5	55·1	79	+11	1·8	0	—0·15	0	—0·2	0
	April	·790	+·013	N 39° W	6·7	81·8	76·8	95·2	+0·2	100·1	68·8	—1·5	59·3	79	+9	2·1	0	—0·04	0	0	0
	May	·724	+·045	N 77° W	9·5	85·7	78·6	96·7	—1·0	104·9	76·8	+0·1	72·1	72	+5	2·7	0	—0·09	0	—0·2	0
	June	·549	+·017	S 41° W	9·4	86·6	83·7	95·7	—0·3	101·9	80·0	0	75·1	88	+18	5·4	7.41	+4·60	8	+5 0	3·31
	July	·521	+·017	S 35° W	8·7	82·2	79·9	88·3	—2·9	92·9	77·2	—1·4	74·5	89	+12	5·8	12·32	+3·83	8	+0·3	6·85
	August	·614	+·039	S 46° W	6·8	81·2	77·7	87·0	—1·0	90·7	76·2	—0·5	74·3	85	+4	6·2	1·32	—4·33	2	—4·6	0·91
	September	·698	—·006	S 49° W	(x) 7·0	83·5	75·2	92·2	+2·8	95·9	73·8	—0·4	72·1	66	—12	5·3	1·36	—0·81	1	—1·5	1·36
	October	·818	—·008	S 20° W	..	84·4	75·3	97·0	+3·3	100·3	73·1	+2·5	61·3	64	—4	3·8	0	—0·46	0	—0·5	0
	November	·986	+·067	N 11° E	(c) 6·5	74·6	63·2	88·0	—1·5	89·9	58·9	—3·7	53·5	49	—10	2·3	0	—0·91	0	0	0
	December	30·006	+·030	S 85° E	..	63·7	54·2	82·9	+1·3	88·7	50·5	—4·4	39·1	50	—6	2·5	0	—0·04	0	—0·1	0
	Year	29·795	+·021	..	(a) 7·1	76·7	70·3	89·4	—0·1	104·9	66·6	—1·5	39·1	71	+3	3·6	22·45	+2·39	19	—2·2	6·85
Hassan (Mysore) (3,149).	January	26·862	+·018	S 82° E	(b) 3·3	68·2	61·2	84·7	+2·6	89·0	58·2	+2·3	51·6	70	—4	4·3	0·13	+0·06	1	+0·7	0·13
	February	·866	+·038	S 82° E	4·0	69·1	61·5	86·1	—0·4	90·6	59·0	+0·5	52·6	65	—5	3·4	1·31	+1·14	1	+0·6	1·31
	March	·807	+·006	N 63° W	3·5	72·4	65·2	92·3	+1·1	95·8	62·9	+0·5	55·6	68	+2	2·7	0·04	—0·29	0	—0·6	0·02
	April	·767	+·008	N 77° W	4·5	75·6	68·5	93·0	+0·7	98·0	67·5	+0·8	64·6	70	—1	3·7	1·77	—0·24	6	+2·2	0·55
	May	·741	+·016	N 87° W	6·4	73·4	69·3	86·5	—2·4	94·2	67·4	+0·3	61·5	82	+6	5·8	8·96	+4·27	10	+2·8	3·26
	June	·683	+·014	S 74° W	8·5	71·6	67·9	81·7	+1·2	90·3	66·5	+0·4	64·1	83	—1	8·0	3·78	—0·23	10	—0·1	0·61
	July	·716	+·045	S 84° W	8·8	70·5	66·9	79·1	+1·5	83·1	65·5	+0·2	62·5	83	—4	7·7	2·17	—3·23	7	—5·3	0·46
	August	·724	+·021	S 88° W	7·9	70·1	66·3	80·5	+2·0	85·4	64·8	0	61·9	81	—5	8·1	1·71	—1·95	6	—2·6	0·58
	September	·751	+·018	S 87° W	6·5	71·1	67·2	81·8	+1·1	89·2	65·8	+1·3	60·9	81	—3	7·7	6·71	+2·44	10	+1·5	2·55
	October	·779	+·010	N 87° E	3·7	71·4	67·7	82·5	+0·8	86·4	65·9	+1·6	62·9	83	+1	8·3	10·72	+4·05	15	+5·6	2·23
	November	·832	+·028	N 61° E	2·7	70·1	64·6	81·4	+1·4	86·1	62·0	+1·2	54·5	74	—4	5·4	0·76	—2·62	2	—3·1	0·36
	December	·865	+·028	N 83° E	3·2	68·6	63·5	83·0	+3·1	86·5	60·2	+3·8	53·3	76	—1	3·9	0·13	—0·54	1	+0 2	0·10
	Year	26·783	+·020	..	5·3	71·0	65·9	84·4	+1·1	98·0	63·8	+1·1	51·6	76	—2	5·7	38·19	+2 86	69	+1·9	3·26

(a) Mean of 10 months. (b) Mean of 30 days. (c) Mean of 29 days. (d) Mean of 8 months. (e) Mean of 8 days.

MONTHLY AND ANNUAL TABLE D-3 FOR 1930—*contd.*

Abstract of 8 hrs. (local time) observations.

Station and height of barcistern above sea-level in feet.	Month.	Pressure. Mean 8 h. reduced to 32° F. 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
P. V. Frazer (Bay Islands) (8).	January	29·980	—·040	N 2° E	..	72·4	66·2	..	..	..	..	..	..	71	—2	2·5	0	—0·20	0	—0·7	0
	February	·972	+·009	N 69° W	..	73·5	68·6	..	..	..	..	..	..	76	—2	2·1	1·00	+0·34	3	+1·9	0·47
	March	·838	—·044	S 45° W	..	79·6	75·3	..	..	..	..	..	..	81	—1	2·0	0	—0·76	0	—1·2	0
	April	·774	—·025	S 51° W	..	82·2	78·1	..	..	..	..	..	..	83	—2	4·3	0·27	—0·53	1	—0·4	0·27
	May	·663	—·028	S 19° W	..	85·1	81·3	..	..	..	..	..	..	83	—2	6·1	2·71	+0·50	4	0	1·63
	June	·560	+·008	S 13° W	..	84·3	80·6	..	..	..	..	..	..	85	—1	8·0	2·99	—4·93	10	—0·7	0·58
	July	·483	—·054	S 54° W	..	83·4	80·1	..	..	..	..	..	..	85	—3	8·6	11·59	+3·82	17	+6·6	1·83
	August	·554	—·021	S 45° W	..	82·0	78·7	..	..	..	..	..	..	85	—3	7·9	13·43	+5·64	19	+7·9	2·41
	September	·672	—·018	S 5° E	..	84·3	80·1	..	..	..	..	..	..	83	—3	7·1	2·33	—2·48	5	—3·3	0·70
	October	·874	+·034	S 31° W	..	83·5	77·6	..	..	..	..	..	..	75	—5	4·7	1·59	—1·90	3	—1·8	1·00
	November	·961	+·033	N 25° E	..	78·1	71·9	..	..	..	..	..	..	73	+3	5·5	6·48	+4·23	6	+3·8	2·17
	December	30·002	—·015	N 10° E	..	73·0	64·1	..	..	..	..	..	..	59	—7	1·7	0	—0·82	0	—0·3	0
	Year	29·778	—·013	..	..	80·1	75·2	..	..	..	..	..	..	78	—3	5·0	42·39	+2·91	68	+11·8	2·41
Table Island (Bay Islands) (105).	January	29·821	—·029	N 15° E	11·1	77·8	71·5	88·2	+0·4	85·0	..	..	..	72	—2	2·8	0·08	—0·69	0	—0·7	0·08
	February	·828	+·003	N 10° E	9·6	78·5	72·3	84·0	+0·3	87·3	..	..	..	73	—3	3·1	3·16	+3·04	3	+2·7	2·24
	March	·763	—·039	N 3° E	6·8	81·6	75·5	87·5	+1·0	90·0	..	..	..	74	—4	3·2	0·57	+0·40	3	+2·7	0·20
	April	·747	—·004	N 25° W	4·6	84·7	77·0	90·6	+1·3	92·8	77·7	—1·8	74·6	70	—5	2·5	0·02	—0·61	0	—1·1	0·02
	May	·669	+·003	S 47° W	12·1	84·4	79·2	88·2	—0·6	93·0	78·9	—0·9	73·6	79	—2	6·5	10·11	+1·36	9	—1·7	3·16
	June	·612	+·001	S 22° W	15·4	81·7	78·2	85·3	—0·3	88·0	77·3	—0·6	73·5	85	—4	7·2	11·71	—3·39	17	+0·2	1·55
	July	·580	—·026	S 32° W	20·7	81·0	78·6	84·2	—0·4	86·5	77·2	—0·1	73·7	89	—2	7·5	16·66	+3·15	18	+0·4	3·76
	August	·634	—·004	S 24° W	16·0	81·2	78·4	84·7	+0·5	87·8	77·6	+0·1	73·5	87	—3	6·7	8·88	—2·59	11	—5·2	2·70
	September	·672	+·005	S 48° W	12·2	80·0	78·0	83·7	—0·7	87·8	75·9	—1·3	73·4	91	+3	7·6	22·33	+10·99	23	+7·4	4·05
	October	·772	+·036	N 57° E	3·9	82·5	78·1	85·9	+0·5	88·5	78·5	+0·7	74·1	81	—3	4·8	2·96	—3·53	6	—4·2	0·96
	November (f)	·790	+·015	S 18° E	10·0	81·8	76·8	85·5	+0·6	88·5	78·1	+0·3	72·9	79	—2	6·6	9·88	+4·23	9	+2·2	4·10
	December	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Year (a)	29·717	—·008	—	11·1	81·4	76·7	85·7	+0·2	98·0	77·7 (b)	—0·4	72·9	80	—2	5·3	86·36	+12·36	99	+2·7	4·10

(f) Mean of 26 days. (a) Mean of 11 months. (b) Mean of 8 months.

MONTHLY AND ANNUAL TABLE D-3 FOR 1939—*contd.*

Abstract of 8 hrs. (local time) observations.

Station and height of barometer above sea-level in feet.	Month.	Pressure. Mean 8 h. reduced to 32° F 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
Muzaffarabad (Kashmir) (2,343).	January	27·645	—·035	S 37° E	3·0	41·7	38·5	54·2	—7·1	63·4	36·0	—1·7	31·3	75	+6	5·1	5·73	+2·16	8	+1·7	1·30
	February	·667	+·070	N 79° E	3·5	46·1	41·6	60·3	—2·0	68·8	40·6	—0·2	32·3	67	-2	3·2	2·36	—1·67		+0·1	0·51
	March	·521	—·026	S 27° W	1·7	53·2	49·3	74·2	+5·9	88·6	48·4	+1·7	40·3	74	+6	2·2	2·06	—3·84	5	—3·5	0·80
	April	·484	+·022	S 14° W	2·2	59·3	54·7	76·3	—1·3	89·4	53·6	—0·7	43·9	74	+9	4·6	9·55	+4·50	10	+1·4	3·02
	May	·391	+·030	S 37° W	2·5	71·1	60·8	90·8	+1·1	99·0	63·0	—0·3	57·7	53	—1	1·8	1·75	—0·50	5	+1·3	0·62
	June	·268	+·070	S 45° W	2·4	77·6	66·7	95·9	—1·8	105·0	69·3	—3·0	59·7	55	+4	1·4	1·74	—1·62	5	—1·1	0·65
	July	·180	+·019	S 27° W	1·6	77·6	73·7	91·2	—3·6	100·0	72·7	—0·9	66·5	82	+15	5·1	18·66	+8·67	16	+4·1	4·93
	August	·234	+·024	S 37° W	1·4	76·8	71·6	92·9	+2·1	97·6	71·4	—0·8	60·3	78	0	3·8	5·36	—4·65	10	—2·8	2·28
	September	·421	+·064	S 40° W	1·1	70·0	65·9	88·6	—1·4	96·0	64·5	—1·7	58·5	80	+10	2·0	2·77	—1·03	7	+1·1	0·78
	October	·594	+·074	Calm.	1·4	61·5	56·9	81·4	—3·0	93·0	55·7	+0·2	47·7	75	+14	2·3	2·57	+1·03	7	+4·6	0·55
	November	·694	+·074	Calm.	0·5	51·1	46·6	74·5	—0·5	80·0	44·7	—0·1	40·7	70	+9	0·7	0·14	—0·46	1	—0·5	0·14
	December	·693	+·041	Calm.	0·3	46·5	41·3	67·4	+4·4	74·0	39·1	+1·1	32·3	63	—8	2·0	0·42	—1·89	2	—2·4	0·30
	Year	27·483	+·036	..	1·8	61·0	55·6	79·0	—0·6	105·0	54·9	—0·6	31·3	71	+6	2·9	53·11	+0·70	82	+4·9	4·93
Alibag (Bombay). (23)	January	29·938	..	N 53° E	4·4	69·2	61·3	82·6	..	88·2	63·1	..	57·3	61	..	2·5	0	..	0	..	0
	February	·968	..	N 52° E	4·9	70·4	59·6	85·9	..	95·8	62·9	..	55·3	49	..	0·7	0	..	0	..	0
	March	·866	..	N 42° E	5·0	77·7	68·7	87·2	..	96·0	69·2	..	65·5	61	..	1·4	0	..	0	..	0
	April	·816	..	S 59° E	5·9	82·4	74·5	88·3	..	96·3	74·6	..	71·3	67	..	2·8	0	..	0	..	0
	May	·797	..	S 69° W	7·5	85·3	78·2	89·1	..	90·5	80·6	..	77·6	72	..	0·5	0	..	0	..	0
	June	·653	..	S 25° W	11·4	82·7	78·1	86·7	..	91·3	78·6	..	74·6	81	..	7·9	32·18	..	16	..	5·37
	July	·699	..	S 45° W	18·5	81·2	77·3	84·2	..	86·5	78·0	..	74·9	83	..	9·3	9·89	..	23	..	1·90
	August	·740	..	S 37° W	12·6	79·5	75·9	83·3	..	87·0	76·2	..	74·6	84	..	9·4	8·88	..	21	..	1·61
	September	·796	..	E	6·1	79·7	76·8	84·6	..	88·0	76·0	..	72·3	87	..	8·1	29·48	..	18	..	7·62
	October	·844	..	N 67° E	4·4	81·4	75·9	89·6	..	95·0	75·6	..	71·2	77	..	5·6	3·05	..	5	..	1·27
	November	·935	..	N 61° E	3·8	76·2	69·1	87·3	..	92·8	68·5	..	63·3	68	..	2·7	0·02	..	0	..	0·02
	December	·950	..	N 62° E	3·9	73·6	65·4	86·1	..	91·8	66·5	..	60·1	8	..	1·0	0	..	0	..	0
	Year	29·833	..	..	7·4	78·3	71·7	86·2	..	96·3	72·5	..	55·3	71	..	4·3	84·10	..	78	..	7·62

MONTHLY AND ANNUAL TABLE D-3 FOR 1930—*contd.*

Abstract of 8 hrs. (local time) observations.

Station and height of bar-cistern above sea-level in feet.	Month.	Pressure. Mean 8 h. reduced to 32° F. 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
Sibi (Baluchistan (441).	January	29·540	..	N 27° W	(b) 2·6	51·0	42·2	68·7	..	74·4	44·4	..	36·4	41	..	4·5	0·03	..	0	..	0·03
	February	·489	..	N 34° E	1·9	56·7	45·0	78·0	..	88·0	47·3	..	34·7	31	..	3·3	0	..	0	..	0
	March	·364	..	N	4·1	72·2	54·2	90·1	..	100·4	60·0	..	49·5	23	..	2·5	0·07	..	0	..	0·07
	April	·304	..	N 27° W	5·0	82·5	60·9	96·5	..	107·0	71·1	..	55·5	22	..	2·4	0	..	0	..	0
	May	·172	..	N 37° W	4·1	95·1	71·7	111·2	..	116·8	81·5	..	73·5	28	..	1·7	0	..	0	..	0
	June	·018	..	N 68° W	5·3	96·4	79·4	112·1	..	115·8	87·6	..	75·9	45	..	0·5	1·78	..	3	..	0·82
	July	28·983	..	S 13° E	4·5	91·1	78·3	103·9	..	109·8	86·5	..	73·9	54	..	2·9	2·01	..	3	..	0·72
	August	29·058	..	S 7° E	4·5	88·6	77·6	105·4	..	110·0	84·8	..	80·7	59	..	1·2	0	..	0	..	0
	September	·263	..	S 45° W	3·5	87·2	69·1	104·7	..	109·4	77·6	..	63·7	36	..	3·5	0	..	0	..	0
	October	·447	..	N 4° W	2·6	77·2	59·9	97·2	..	105·6	66·2	..	53·7	30	..	1·6	0	..	0	..	0
	November	·562	..	N 27° E	1·4	63·0	49·9	85·6	..	90·2	52·4	..	46·5	33	..	1·8	0	..	0	..	0
	December	·601	..	N 8° E	1·4	51·4	41·6	78·1	..	83·6	44·2	..	37·1	35	..	3·1	0	..	0	..	0
	Year	29·317	..	..	3·4	76·0	60·8	94·3	..	116·8	67·0	..	34·7	36	..	2·4	3·89	..	6	..	0·82
Trincomalee (Ceylon) (99).	January	29·812	—·020	N 35° E	3·3	75·9	72·8	80·2	—2·7	82·7	74·7	+0·4	70·7	86	+1	6·4	12·49	+6·74	12	+4·5	2·65
	February	·833	+·016	N 77° E	4·4	77·3	73·4	83·3	—2·6	87·7	76·7	+2·0	71·1	82	—2	3·9	2·22	+0·33	1	—1·4	2·14
	March	·758	+·015	S 54° W	3·7	77·2	74·6	85·4	—3·8	88·3	76·4	+0·5	71·7	88	+3	4·6	2·51	+0·89	4	+1·6	1·36
	April	·715	+·026	S 47° W	3·8	78·6	76·1	88·2	—4·5	96·5	77·5	—0·1	72·9	89	+5	4·5	2·98	+1·14	5	+2·1	1·44
	May	·666	+·028	S 57° W	(c) 7·4	78·5	75·1	89·6	—4·3	93·3	77·3	—1·1	73·2	84	+3	3·9	17·10	+14·64	5	+1·6	10·86
	June	·646	+·030	S 66° W	10·0	78·8	74·3	90·2	—2·2	93·5	78·1	—0·2	74·9	80	0	6·1	0·94	—0·60	3	+1·2	0·60
	July	·664	+·039	S 67° W	9·9	78·3	73·8	92·5	+0·5	95·0	77·5	+0·1	73·0	80	0	5·3	3·00	+1·09	3	+0·6	2·42
	August	·674	+·028	S 67° W	10·0	74·4	73·0	92·3	—0·3	95·5	76·5	—0·4	71·9	93	+13	4·6	5·76	+1·57	5	0	4·23
	September	·705	+·034	S 63° W	9·8	77·8	73·6	89·8	—1·9	95·5	76·9	+0·4	73·6	82	+1	3·8	1·42	—3·20	2	—4·1	1·15
	October	·738	+·028	S 59° W	5·3	75·7	73·7	85·8	—3·6	94·9	74·5	—0·9	72·5	90	+4	6·8	17·25	+9·66	18	+7·3	4·06
	November	·776	+·037	S 80° W	(c) 5·9	75·9	73·7	84·8	—0·9	89·0	74·7	+0·1	72·0	90	+2	6·0	9·97	—4·31	11	—2·8	2·58
	December	·822	+·053	N 10° E	6·7	76·4	72·8	81·8	—1·2	89·0	75·5	+1·3	71·0	84	—3	5·3	2·22	—11·68	5	—8·9	0·90
	Year	29·734	+·026	..	6·7	77·1	73·9	87·0	—2·3	96·5	76·4	+0·2	70·7	86	+2	5·1	77·86	+16·27	74	+1·7	10·86

(b) Mean of 30 days. (c) Mean of 29 days. (c) Mean of 27 days.

MONTHLY AND ANNUAL TABLE D-3 FOR 1930—*contd.*

Abstract of 8 hrs. (local time) observations.

Station and height of barometer above sea-level in feet.	Month.	Pressure. Mean 8 h. reduced to 32° F. 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
Hambantota (Ceylon) (61).	January	29·826	—·025	N 15° E	8·5	73·1	70·6	85·7	+1·3	87·8	72·3	+0·1	67·3	88	—2	3·8	0·66	—2·46	3	—2·7	0·22
	February	·852	+·004	N 18° E	10·8	73·9	71·0	87·1	+1·3	90·7	73·3	+1·7	69·2	87	—2	3·9	0·96	—0·19	3	+0·3	0·35
	March	·789	—·034	N 8° W	6·9	74·8	72·9	86·2	—0·8	88·9	73·8	—0·3	70·4	90	0	3·7	4·92	+1·30	7	+1·9	1·79
	April	·751	—·026	N 9° W	8·0	76·9	74·9	87·1	—1·2	89·9	75·3	—0·4	72·8	91	+1	4·8	2·63	—0·83	9	+3·1	0·90
	May	·744	+·009	N 82° W	13·0	77·7	76·0	84·9	—3·0	90·2	76·1	—1·3	73·0	93	+4	4·3	11·82	+8·65	14	+8·4	4·10
	June	·727	+·004	N 84° W	12·9	77·8	75·5	86·6	—1·6	92·9	76·1	—1·0	74·0	88	—1	5·9	2·37	+0·21	5	—0·9	·73
	July	·745	+·013	S 87° W	14·4	77·7	75·1	88·7	+1·4	95·0	76·6	+0·2	74·9	88	—1	3·2	0·12	—2·32	0	—5·3	·05
	August	·755	—·003	S 86° W	14·6	76·4	74·5	86·7	—0·6	93·9	75·6	—0·7	73·4	91	+2	3·8	0·38	—0·93	2	—2·3	1
	September	·781	+·013	N 81° W	13·1	76·3	74·4	85·9	—1·0	93·7	75·1	—0·9	71·9	90	+1	3·5	3·63	+1·70	7	+2·7	1·00
	October (*b*)	·793	—·003	N 71° W	9·8	75·8	73·9	85·3	—1·5	90·0	74·4	—0·8	72·9	90	+1	5·1	2·16	—1·75	8	+0·5	0·42
	November	·822	+·034	N 39° W	(*c*) 7·3	75·7	73·7	86·5	+0·6	91·0	73·8	—0·3	72·0	90	0	4·3	4·67	—0·52	6	—2·4	1·53
	December (*b*)	·841	+·022	N 16° E	(*c*) 8·8	73·1	71·0	85·0	+0·8	88·0	72·2	—0·3	67·0	90	—1	3·7	5·62	—0·18	5	—4·5	1·76
	Year	29·785	0	..	10·7	75·8	73·6	86·3	—0·3	95·0	74·5	—0·4	67·0	90	+1	4·1	39·94	+2·68	69	+0·1	4·40
Nuwara Eliya (Ceylon) (6,188).	January	24·059	..	..	..	45·7	(*h*) 45·3	69·0	..	73·1	44·6	..	31·7	(*b*) 93	..	4·9	6·03	..	11	..	1·57
	February	·085	..	..	..	45·4	(*g*) 45·2	70·4	..	73·7	43·7	..	29·7	(*g*) 94	..	4·0	2·27	..	8	..	1·08
	March	·055	..	..	..	48·1	46·8	71·4	..	75·0	46·4	..	36·8	90	..	4·2	0·75	..	2	..	0·54
	April	·036	..	..	..	50·4	49·7	71·6	..	74·6	48·3	..	38·8	97	..	4·3	3·01	..	8	..	0·60
	May	·038	..	..	..	54·9	54·3	69·1	..	75·5	52·6	..	43·0	97	..	7·5	18·91	..	14	..	7·42
	June	·017	..	..	..	56·8	55·8	66·9	..	74·3	55·2	..	48·7	94	..	8·3	10·46	..	19	..	1·46
	July	·030	..	..	..	55·8	54·1	67·8	..	73·2	54·5	..	49·0	91	..	7·7	4·61	..	9	..	1·59
	August	·028	..	..	..	55·3	53·9	67·2	..	73·7	53·9	..	49·5	91	..	7·1	8·11	..	12	..	2·30
	September	·048	..	..	..	54·8	53·8	66·4	..	74·3	53·1	..	44·5	94	..	7·5	9·82	..	15	..	2·16
	October	·048	..	..	..	54·3	53·8	67·1	..	71·5	52·5	..	48·1	97	..	6·8	18·64	..	25	..	3·52
	November	·078	..	..	..	54·0	53·4	69·4	..	73·0	52·2	..	48·0	97	..	6·5	5·72	..	15	..	1·28
	December	·086	..	..	..	46·6	(*d*) 46·5	70·1	..	74·0	44·5	..	31·0	100	..	5·0	1·82	..	8	..	0·98
	Year	24·051	..	..	..	51·8	51·1	68·9	..	75·5	50·1	..	29·7	95	..	6·1	90·15	..	136	..	7·42

(*b*) Mean of 30 days. (*c*) Mean of 29 days. (*d*) Mean of 28 days. (*e*) Mean of 27 days. (*g*) Mean of 25 days.

MONTHLY AND ANNUAL TABLE D-3 FOR 1930—*contd.*

Abstract of 8 hrs. (local time) observations.

Station and height of barometer above sea-level in feet.	Month.	Pressure. Mean 8 h. reduced to 32° F. and 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
Minicoy (Arabian Sea) (7).	January	29·918	—·004	N 42° E	2·5	82·9	75·3	87·0	+1·3	88·0	75·8	..	71·2	69	—8	5·2	0·11	—1·77	0	—2·7	0·04
	February	·937	+·019	N 38° E	2·1	82·3	75·0	86·9	+0·6	88·3	75·0	..	70·9	69	—7	4·6	1·91	+1·26	2	+0·9	1·30
	March	·875	—·016	N 3° W	2·5	84·2	76·7	88·7	+1·0	90·3	77·4	..	71·7	70	—4	4·7	0·39	—0·65	2	+0·4	0·19
	April	·818	—·028	N 23° W	3·1	86·2	78·1	90·3	+0·9	92·8	79·3	..	75·9	69	—6	4·4	0·65	—1·97	2	—1·6	0·34
	May	·855	+·027	N 75° W	5·8	85·8	79·0	89·9	+1·0	93·6	80·9	..	74·9	72	—5	6·0	2·63	—3·76	6	—2·6	0·31
	June	·801	—·015	S 84° W	10·5	82·8	78·0	86·0	—0·2	90·0	73·1	..	74·7	79	—3	8·5	8·15	—3·76	18	+0·7	1·08
	July	·857	+·028	N 65° W	6·5	82·9	77·4	87·6	+2·1	90·0	78·0	..	72·9	77	—5	5·9	6·77	—2·03	10	—3·9	1·45
	August	·866	+·012	N 65° W	5·7	82·1	76·7	86·4	+0·8	89·0	77·5	..	73·3	77	—4	5·9	12·30	+5·14	9	—2·0	7·90
	September	·886	+·013	N 64° W	5·6	81·5	76·7	85·4	—0·3	88·0	76·8	..	73·7	79	—1	5·9	8·67	+2·26	11	+0·9	4·13
	October	·866	—·007	N 55° W	6·1	82·0	(b) 76·6	85·7	—0·4	88·9	76·2	..	70·9	(b) 77	—4	6·2	7·74	—0·58	11	—0·6	2·20
	November	·908	+·022	N 63° W	2·9	83·2	76·9	86·7	+0·4	88·0	76·5	..	74·3	73	—6	4·8	3·63	—1·66	6	—1·1	0·87
	December	·924	+·028	N 50° E	1·9	82·8	75·5	86·4	+0·3	88·5	75·3	..	71·8	69	—8	4·6	1·80	—1·71	3	—1·2	0·73
	Year	29·877	+·007	..	4·6	83·2	76·8	87·2	+0·6	93·6	77·2	..	70·9	73	—5	5·6	54·75	—9·23	80	—12·8	7·90
Amini Divi (Arabian Sea) (13).	January	29·914	—·015	N 8° E	3·5	82·5	75·8	88·6	+2·5	92·1	74·6	+0·6	66·8	73	+1	3·9	0·99	+0·29	2	+0·9	0·32
	February	·933	+·010	N 19° E	4·4	82·4	74·3	88·8	+1·7	92·2	75·5	—0·5	70·1	67	—5	2·9	0·03	—0·05	0	—0·3	0·03
	March	·865	—·025	N 16° W	5·0	84·3	76·4	89·4	—0·1	92·6	78·1	+0·5	74	68	—4	3·7	0·73	+0·68	1	+0·9	0·73
	April	·814	—·020	N 22° W	5·6	86·5	78·5	91·2	—0·5	94·8	81·0	+1·2	6·5	69	—2	4·1	0	—1·50	0	—1·7	0
	May	·803	—·005	N 74° W	7·6	85·1	78·8	89·1	—2·4	91·0	81·1	+0·5	74·3	74	0	6·3	5·45	+1·75	5	+0·3	1·79
	June	·750	—·017	S 81° W	9·7	83·1	78·0	86·4	—0·9	90·2	76·9	—1·2	70·1	79	—3	8·5	13·70	—0·61	18	+1·5	1·68
	July	·813	+·025	W	13·5	83·1	77·9	85·9	+0·2	87·6	79·2	+1·8	74·3	79	—4	5·5	2·35	—9·65	5	—10·7	0·75
	August	·813	—·010	N 72° W	12·2	81·6	77·2	84·6	—1·1	86·2	77·7	+0·3	74·9	81	—1	6·1	2·36	—5·29	9	—2·4	0·88
	September	·848	0	N 56° W	10·4	81·7	76·9	84·7	—1·1	87·2	78·1	+0·9	75·1	79	—2	6·2	6·53	+0·18	11	+0·5	1·49
	October	·840	—·017	N 38° W	6·0	81·5	76·9	85·1	—1·3	88·2	77·5	+0·7	73·1	81	+1	7·1	5·68	—0·12	10	+1·3	1·34
	November	·891	+·019	N 10° E	3·3	83·5	77·1	87·5	+1·0	91·4	77·3	+1·8	70·7	73	—3	4·3	2·64	+0·06	4	—0·2	1·12
	December	·913	+·005	N 12° E	3·0	82·6	76·1	88·3	+2·0	91·9	74·7	+0·9	69·4	73	+1	3·8	3·90	+2·63	3	+1·0	1·90
	Year	29·850	—·004	..	7·0	83·2	77·0	87·5	0	94·8	77·6	+0·6	66·8	75	—1	5·2	44·36	—11·63	68	—8·9	1·90

(b) Mean of 30 days.

MONTHLY AND ANNUAL TABLE D-3 FOR 1930—*contd.*

Abstract of 8 hrs. (local time) observations.

Station and height of barcistern above sea-level in feet.	Month.	Pressure. Mean 8 h. reduced to 32° F. 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
Gyantse (Tibet) (13,110).	January	18·134	..	S 59° E	8·0	19·0	..	42·7	+0·5	54·8	7·8	+4·5	−5·0	..	..	2·2	0	−0·01	0	−0·1	0
	February	·142	..	S 22° E	5·1	19·6	..	40·4	−4·4	50·1	8·4	−0·5	0·1	..	..	2·2	0	−0·04	0	−0·2	0
	March	·320	..	S 45° E	6·2	32·8	..	49·1	−1·6	55·1	19·7	+3·5	8·0	..	..	3·2	0·08	+0·02	0	−0·3	0·04
	April	·417	..	S 37° E	6·4	39·9	(m) 34·4	53·4	−4·4	63·6	25·7	+0·3	13·0	(m) 45	−16	3·1	0·12	−0·03	0	−0·8	0·09
	May	·464	..	S 76° E	4·1	47·0	33·5	60·7	−5·1	70·6	34·7	+2·4	21·5	50	−17	4·2	0·51	+0·04	2	+0·3	0·23
	June	·444	..	S 14° E	4·8	54·2	44·7	67·6	−5·0	73·4	42·1	+1·0	37·0	51	−14	4·8	0·52	−0·47	2	−2·0	0·39
	July	·482	..	S 76° E	3·4	54·4	48·4	68·0	−4·5	74·1	45·3	+1·6	37·5	68	−1	6·7	3·68	+1·17	8	+0·7	0·83
	August	·511	..	N 14° E	3·2	51·4	..	65·7	−4·5	73·1	45·5	+3·4	36·5	..	..	8·4	5·58	+2·36	19	+10·3	0·95
	September	·562	..	S 63° E	2·6	50·9	..	64·8	−5·3	69·1	40·7	+2·0	33·5	..	..	5·5	1·88	+0·84	6	+2·4	0·57
	October	·543	..	S 32° E	3·1	41·7	..	57·0	−6·0	68·6	29·5	+0·6	21·0	..	..	2·9	0·25	+0·12	2	+1·6	0·15
	November	554	..	S 34° E	3·0	28·9	..	48·5	−1·8	64·4	17·7	+3·6	11·0	..	..	1·9	0·14	+0·06	1	+0·8	0·14
	December	·464	..	S 11° E	3·9	22·4	..	48·5	+4·9	55·1	12·5	+8·1	3·5	..	..	1·2	0	0	0	0	0
	Year	18·420	..	..	4·5	38·5	..	55·5	−3·1	74·1	27·5	+2·6	−5·0	..	..	3·9	12·76	+4·06	40	+12·7	0·95
Kashgar (Eastern Turkistan) (4,255).	January	25·666	−·034	Calm	0	(e) 10·9	..	21·3	−12·8	34·1	1·5	−10·7	−12·9	..	..	6·5	0·04	−0·13	0	−0·8	0·01
	February	·476	−·164	N 45° E	0·1	27·6	..	42·1	−1·1	57·7	20·7	+0·9	4·4	..	..	6·0	0·04	−0·13	0	−0·5	0·04
	March	·503	−·057	N 45° W	0	43·9	(f) 43·9	61·1	+3·6	80·1	36·7	+1·6	18·4	(f) 82	+25	4·4	0·59	+0·28	2	+1·3	0·42
	April	·378	−·132	N 34° E	0·5	54·2	51·4	70·2	−1·8	87·3	46·1	−2·4	37·5	81	+34	3·8	1·16	+0·92	3	+2·1	0·45
	May	·420	−·080	N 11° W	0·8	69·3	59·4	88·4	+6·4	100·4	56·4	−1·5	48·7	54	+8	3·0	0	−0·65	0	−1·2	0
	June	·330	−·080	N 45° E	0·9	76·1	68·6	92·5	+2·7	111·0	62·6	−1·5	55·9	68	+24	3·1	0·24	−0·03	1	+0·2	0·16
	July	·273	−·097	S	0·3	79·0	69·2	98·3	+5·8	107·0	65·0	−2·7	55·9	60	+11	1·0	0·05	−0·19	0	−0·8	0·05
	August	·321	−·129	N 63° E	0·5	73·8	67·9	93·5	+3·0	102·3	63·7	−2·0	56·9	73	+19	3·5	0·02	−0·51	0	−1·6	0·02
	September	·462	−·108	N 45° E	0·2	64·0	61·4	84·0	+0·2	95·7	54·7	−2·3	42·4	87	+32	(h) 3·1	0·57	+0·30	1	+0·3	0·52
	October	·548	−·132	N 45° W	0·1	49·8	(c) 44·6	74·0	+3·1	82·7	38·9	−3·8	27·9	(c) 62	+5	1·7	0	−0·02	0	−0·1	0
	November	·713	−·017	Calm	0·1	36·3	(s) 34·1	56·9	+3·6	74·2	28·4	−0·1	22·4	(s) 55	(s) −12	2·1	0	−0·15	0	−1·1	0
	December	·618	−·132	Calm	0·1	19·4	..	36·7	−0·6	59·2	14·1	−2·6	1·9	..	..	2·7	0·01	−0·13	0	−0·4	0·01
	Year	25·476	−·094	..	0·3	50·4	..	68·3	+1·1	111·0	40·7	−2·3	−12·9	..	..	3·4	2·72	−0·46	7	−2·6	0·52

(m) Mean of 18 days. (s) Mean of 13 days. (c) Mean of 29 days. (h) Mean of 24 days. (f) Mean of 26 days. (e) Mean of 27 days.

MONTHLY AND ANNUAL TABLE D-3 FOR 1930—*concld.*

Abstract of 8 hrs. (local time) observations.

Station and height of bar-cistern above sea-level in feet.	Month.	Pressure. Mean 8 h. reduced to 32° F. 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
Aden (Arabia) (98).	January	29·876	—·040	N 74° E	11·3	76·3	72·1	81·7	+1·8	86·1	73·8	+1·2	71·5	81	+5	7·5	2·97	+2·65	2	+1·2	2·13
	February	·896	+·010	N 69° E	12·4	75·7	70·1	82·6	+1·8	87·5	72·8	—0·5	68·4	75	—2	5·7	0·17	—0·02	1	+0·6	0·17
	March	·816	—·011	N 66° E	12·4	79·3	73·7	86·1	+2·7	90·3	75·6	+0·3	71·2	76	—1	5·4	0·04	—0·44	0	—0·6	0·04
	April	·766	—·005	N 68° E	12·9	82·9	76·8	90·2	+2·0	93·3	78·2	+0·2	72·9	75	—1	5·0	0	—0·18	0	—0·3	0
	May	·705	+·002	S 78° E	7·6	87·0	80·3	94·1	+1·4	97·6	82·7	+1·2	77·9	74	—2	3·3	0	—0·13	0	—0·3	0
	June	·595	+·008	S 1° W	7·6	88·8	80·9	95·1	+0·2	100·4	85·3	+1·2	82·9	69	—3	2·1	0	—0·06	0	—0·1	0
	July	·563	+·012	S 10° W	8·7	86·7	77·9	93·2	—0·3	102·7	83·5	+0·8	80·2	65	—7	2·6	0	—0·03	0	0	0
	August	·592	+·014	S 18° E	8·5	85·2	77·9	93·3	+1·2	100·9	82·3	+1·6	75·9	70	—4	2·7	0·20	+0·08	1	+0·7	0·20
	September	·685	+·020	N 74° E	8·5	86·4	82·3	95·2	+2·0	98·4	83·8	+1·4	81·5	84	+7	3·4	0	—0·15	0	—0·3	0
	October	·803	0	N 66° E	11·8	82·0	77·3	91·0	+1·4	96·6	78·7	+0·8	74·6	81	+9	1·9	0	—0·09	0	—0·2	0
	November	·904	+·026	N 62° E	10·4	77·9	73·4	88·8	+3·3	93·0	74·9	+0·3	71·0	80	+7	2·7	0·01	—0·07	0	—0·1	0·01
	December	·932	+·013	N 64° E	11·8	75·5	72·1	84·2	+3·1	87·0	73·5	+0·4	67·0	84	+10	3·2	0·01	—0·10	0	—0·2	0·01
	Year	29·761	+·004	..	10·3	82·0	76·2	89·6	+1·8	102·7	78·8	+0·8	67·0	76	+1	3·8	3·40	+1·46	4	+0·4	2·13
Zanzibar (East Africa) (56).	January	29·840	—·005	N 32° E	5·6	82·3	77·3	87·0	+0·8	90·0	79·6	+0·1	72·3	79	—2	7·6	1·38	—1·45	4	—0·9	0·77
	February	·860	+·017	N 23° E	4·1	81·9	77·4	86·0	—0·9	89·2	79·3	—0·6	74·3	81	+2	7·8	5·43	+3·23	12	+8·4	1·25
	March	·846	+·008	S 48° W	4·3	81·1	77·3	85·3	—1·5	89·6	77·9	—1·5	73·8	83	+1	8·5	19·20	+13·14	17	+8·6	3·56
	April	·849	—·014	S 43° W	4·7	80·7	76·9	85·0	+0·5	88·6	77·7	+0·3	75·1	83	—3	7·8	13·94	—0·13	18	—1·9	2·95
	May	·970	+·042	S 44° W	7·5	78·7	73·8	84·5	+1·7	89·8	76·4	+0·6	73·0	78	—8	7·9	0·41	—10·13	1	—10·5	0·24
	June	·992	0	S 36° W	7·0	75·5	70·9	82·9	+1·1	84·5	73·5	—0·7	70·6	79	—5	7·4	0·18	—1·73	1	—2·4	0·13
	July	30·040	+·021	S 34° W	6·9	74·7	70·4	81·7	+1·0	84·2	72·8	0	70·6	79	—6	7·4	1·08	—1·78	1	—3·9	1·03
	August	·028	+·015	S 23° W	5·6	75·7	71·5	81·4	+0·3	83·6	72·9	+0·2	70·5	81	—3	7·6	2·66	+0·99	4	—0·2	1·45
	September	29·988	—·005	S 17° W	4·2	77·5	73·3	82·9	+0·5	86·0	74·3	+0·7	71·5	82	—1	7·7	2·45	+0·34	4	—1·0	1·02
	October	·956	+·008	S 13° W	4·0	79·7	74·7	84·5	+1·1	87·5	76·0	+0·8	73·8	78	—4	7·8	3·26	—0·34	10	+4·2	0·60
	November	·927	+·036	S 27° W	3·1	80·6	76·3	84·0	—0·5	87·9	76·9	—0·4	74·7	80	—2	7·3	11·29	+3·76	10	—0·6	1·95
	December	·875	+·020	N 47° E	3·4	83·2	77·8	86·5	+0·6	88·2	79·5	+0·3	74·0	77	—4	7·1	5·16	—0·14	10	+1·7	2·02
	Year	29·931	+·012	—	5·0	79·3	74·8	84·3	+0·4	90·0	76·4	0	70·5	80	—3	7·7	66·44	+6·26	87	+1·3	3·56

Table D-4.—Abstract of afternoon observations taken at 4 stations in Baluchistan, etc., and of forenoon observations at Baghdad in the year 1930.

MONTHLY AND ANNUAL TABLE D-4 FOR 1930.

Abstract of forenoon or afternoon observations at 4 stations in Baluchistan, etc., in the year 1930.

Station and height of bar cistern above sea level in feet and time of observation.	Month.	Pressure. Reduced to 32° F. and standard gravity.	Mean Temperature. Dry bulb.	Mean Temperature. Wet bulb.	Humidity.	Vapour tension.	Mean cloud amount.	Wind Direction. Total number of winds from. Calm.	N	NE	E	SE	S	SW	W	NW	Mean direction.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Chaman 4,311 ft. 17 hrs. (I. S. T.)	January	25·661	42·9	38·5	67	·186	7·5	4	6	1	0	1	6	2	9	2	W
	February	·644	58·9	45·5	35	·144	4·4	4	1	0	0	0	3	8	8	4	S 74 W
	March	·599	64·9	49·9	34	·188	4·7	1	2	4	0	0	7	5	5	7	S 86 W
	April	·533	73·5	54·6	25	·213	6·1	1	3	0	0	0	2	5	6	13	N 70 W
	May	·498	88·4	58·3	10	·135	3·8	0	2	0	1	0	1	3	17	7	N 81 W
	June	·344	95·5	61·5	9	·142	1·7	1	2	1	0	1	1	3	7	14	N 63 W
	July	·248	99·4	66·0	13	·248	3·3	0	0	2	1	0	2	9	12	5	S 80 W
	August	·373	93·8	60·8	10	·153	0·7	2	0	0	0	0	3	5	15	6	S 84 W
	September	·517	86·9	57·5	10	·124	0	0	0	0	0	0	0	5	17	8	N 86 W
	October	·644	75·8	53·1	16	·143	3·9	1	0	1	0	1	3	5	12	8	S 87 W
	November	·708	67·6	48·1	17	·111	3·4	3	0	0	0	0	0	6	11	10	N 83 W
	December	·730	55·5	41·6	24	·107	3·9	4	2	2	0	0	0	4	9	10	N 67 W
	Year	25·542	75·3	52·8	23	·158	3·6	21	18	11	2	3	28	60	128	94	..
Dalbandin 2,772 ft. 16 hrs. 40 mins. (I. S. T.)	January	27·141	51·5	44·5	56	·213	4·6	13	0	4	9	3	0	1	0	1	N 87 E
	February	·084	68·9	52·0	27	·178	2·1	7	0	0	5	2	4	6	4	0	S 12 W
	March	·008	77·1	58·6	32	·288	2·9	9	1	2	2	3	3	7	3	1	S 24 W
	April	26·937	85·5	60·6	18	·225	3·0	7	0	2	2	2	1	5	7	4	S 79 W
	May	·880	97·6	67·0	16	·279	2·0	7	2	2	3	2	1	5	6	3	S 86 W
	June	·718	105·7	67·7	9	·208	0·9	9	4	0	1	1	2	4	3	6	N 71 W
	July	·619	106·1	69·7	13	·306	1·7	7	0	1	0	0	3	9	8	3	S 67 W
	August	·751	101·4	68·2	15	·299	0	5	1	0	2	1	2	11	6	3	S 61 W
	September	·979	96·7	72·3	28	·476	0	7	0	2	3	3	5	8	1	1	S 4 W
	October	27·249	85·0	68·2	41	·504	1·6	13	4	1	2	2	3	4	2	0	S 16 W
	November	·137	76·9	56·3	21	·194	1·1	12	0	2	6	2	2	5	1	0	S 38 E
	December	·176	63·5	51·6	40	·239	1·6	13	2	3	7	3	0	2	0	1	N 82 E
	Year	26·973	84·7	60·6	26	·284	1·8	109	14	19	42	24	26	67	41	23	..

MONTHLY AND ANNUAL TABLE D-4 FOR 1930—*contd.*

Abstract of forenoon or afternoon observations at 4 stations in Baluchistan, etc. in the year 1930.

Station and height of bar cistern above sea level in feet and time of observation.	Month.	Pressure. Reduced to 32° F. and standard gravity.	Mean Temperature. Dry bulb.	Mean Temperature. Wet bulb.	Humidity.	Vapour tension.	Mean cloud amount.	Wind Direction. Total number of winds from. Calm.	N	NE	E	SE	S	SW	W	NW	Mean direction.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Mirjawa 2,762 ft. 8 hrs. (I. S. T.)	January	27·172	51·3	44·5	56	·213	4·2	8	0	2	10	6	1	2	1	1	S 70 E
	February	·097	70·3	53·5	29	·192	2·7	4	2	3	7	5	1	0	5	1	N 84 E
	March	·021	77·8	58·9	30	·276	2·7	5	0	2	10	6	2	1	3	2	S 69 E
	April	26·957	86·0	62·7	22	·282	3·7	4	1	8	6	2	2	1	4	2	N 54 E
	May	·906	97·8	67·9	17	·308	2·0	8	0	12	7	1	1	0	1	1	N 63 E
	June	·778	105·8	71·6	16	·356	0·4	2	6	12	6	0	0	1	0	3	N 36 E
	July	·648	108·3	74·2	18	·439	0·3	4	7	8	4	1	0	1	0	6	N 19 E
	August	·794	101·8	70·2	18	·364	0·2	6	1	11	4	0	0	0	1	8	N 20 E
	September	·954	95·9	67·1	18	·298	0	2	2	16	8	0	0	0	0	2	N 51 E
	October	27·085	87·1	65·2	27	·342	1·8	5	2	11	5	4	1	0	3	0	N 64 E
	November	·145	78·3	60·6	33	·318	1·6	3	0	8	11	5	1	0	0	2	N 83 E
	December	·213	65·0	50·0	28	·175	1·6	4	0	5	9	6	3	1	0	2	S 79 E
	Year	26·981	85·5	62·2	26	·280	1·8	55	21	98	87	36	12	7	18	30	..
Manora 13 ft. 8 hrs. (I. S. T.)	January	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	February	29·942	74·7	65·1	57	·489	2·9	0	0	0	0	0	0	16	12	0	S 64 W
	March	·806	79·5	70·4	63	·611	2·3	0	0	0	0	0	0	16	14	1	S 68 W
	April	·724	83·3	75·5	69	·758	2·5	0	0	0	0	1	0	18	11	0	S 60 W
	May	·632	86·7	79·7	73	·927	1·2	0	0	0	0	0	0	17	14	0	S 65 W
	June	·444	89·2	82·4	74	·996	3·8	0	0	0	0	2	4	18	6	0	S 48 W
	July	·448	85·8	81·6	83	1·036	7·8	0	0	0	0	0	2	17	12	0	S 60 W
	August	·547	82·2	78·8	85	·942	7·8	0	0	0	0	0	0	20	11	0	S 61 W
	September	·667	83·6	78·6	79	·921	2·6	0	0	0	0	0	0	17	13	0	S 64 W
	October	·799	85·2	76·8	68	·811	1·9	0	1	2	0	0	1	16	11	0	S 64 W
	November	·935	82·0	71·9	60	·649	0·7	0	0	1	1	0	2	14	12	0	S 61 W
	December	·975	77·2	65·7	52	·484	2·3	0	0	3	1	2	3	13	8	1	S 51 W
	Year*	29·720	82·7	75·1	69	·784	3·3	0	1	6	2	5	12	182	124	2	..

* Mean of 11 months.

MONTHLY AND ANNUAL TABLE D-4 FOR 1930—*concld.*

Abstract of forenoon or afternoon observations at 4 stations in Baluchistan, etc., in the year 1930.

Station and height of bar-cistern above sea level in feet and time of observation.	Month.	Pressure. Mean reduced to 32° F. and standard gravity.	Wind. Mean direction.	Wind. Mean velocity in miles per hour.	Temperature. Mean at time of observation. Dry bulb.	Temperature. Mean at time of observation. Wet bulb.	Temperature. Maximum. Mean.	Temperature. Maximum. Highest.	Temperature. Maximum. Date.	Temperature. Minimum. Mean.	Temperature. Minimum. Lowest.	Temperature. Minimum. Date.	Humidity. Mean.	Cloud. Mean amount.	Rainfall. Total of the month or year.	Rainfall. Number of rainy days.	Rainfall. Heaviest rainfall.	Rainfall. Date.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Bagdad 106 ft. 6 hrs. (G.M.T.)	January . .	29·976	N 48 W	..	45·2	43·6	57·5	64·0	5th	40·7	34·0	13th	87	5·0	3·28	6	0·85	15th
	February .	·913	N 42 E	..	52·6	49·5	62·2	75·0	22nd	45·8	39·0	4th	80	5·0	0·80	2	0·57	14th
	March . .	·861	N 75 W	..	60·8	53·1	75·5	85·0	28th and 30th	48·9	38·0	1st and 6th	59	3·9	0	0	0	..
	April . .	·743	N 87 W	..	71·9	62·8	84·8	93·0	10th, 23rd and 24th	58·4	49·0	5th	60	5·0	0·30	1	0·13	26th
	May . .	·724	N 21 W	..	84·8	65·8	97·5	109·0	31st	65·9	58·0	17th	33	2·1	0·08	0	0·07	27th
	June . .	·554	N 27 W	..	91·6	67·7	104·9	111·0	3rd and 7th	73·3	69·0	6th, 12th and 15th	25	0·7	0	0	0	..
	July . .	·397	N 30 W	..	94·9	71·4	110·1	114·0	4 days	77·8	72·0	2nd	28	0·1	0	0	0	..
	August . .	·470	N 20 W	..	97·3	70·3	113·9	120·0	4th and 6th	78·9	73·0	22nd	23	0·5	0	0	0	..
	September .	·667	N 56 W	..	87·1	65·0	104·6	114·0	2nd	69·4	64·0	9th	26	0·6	0	0	0	..
	October . .	·833	N 60 W	..	75·1	58·0	92·5	106·0	22nd	60·1	52·0	7th	30	2·0	0	0	0	..
	November .	·967	N 54 W	..	62·9	54·5	77·7	89·0	1st	51·9	37·0	30th	57	2·4	0·49	2	0·26	24th
	December .	30·028	N 45 W	..	49·3	46·5	64·2	71·0	30th	42·7	33·0	3rd	79	5·0	1·63	1	1·51	15th
	Year . .	29·761	..	..	72·8	59·0	87·1	120·0	4th and 6th Aug.	59·5	33·0	3rd Dec.	49	2·7	6·58	12	1·51	15th Dec.

Table D-5.—Abstract of observations taken at 8 hrs. (local time) at 17 fourth class stations, in the year 1930.

MONTHLY AND ANNUAL TABLE D-5 FOR 1930.

Abstract of 8 hrs. (local time) observations.

STATION.	MONTH.	WIND.		TEMPERATURE.								HUMIDITY.		CLOUD	RAINFALL.				
				Mean 8 h.		Maximum.			Minimum.										
		Mean Direction.	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 the 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
Lumding (Assam)	January	..	..	48·4	47·7	71·5	—3·0	74·3	45·0	—2·9	37·1	96	+1	..	0·03	—0·39	0	—0·9	0·03
	February	..	..	54·7	54·0	(s) 73·2	—4·8	80·3	49·6	—0·7	43·1	97	+6	..	1·21	—0·68	3	—0·7	0·45
	March	..	..	64·5	62·5	82·2	—2·9	92·2	59·2	+1·7	50·9	89	+6	..	2·01	—0·57	7	+2·0	0·65
	April	..	..	73·2	69·0	90·9	+3·8	97·9	66·7	+2·2	57·1	81	+1	..	1·33	—2·79	4	—5·6	0·40
	May	..	..	78·4	73·4	91·3	+1·2	99·6	72·3	+1·7	66·2	78	—4	..	5·84	+0·10	9	—0·7	2·20
	June	..	..	77·5	75·5	86·4	—4·4	94·5	74·9	+0·5	71·1	91	+9	..	15·72	+7·77	22	+10·0	1·80
	July	..	..	80·7	77·7	89·9	—1·4	94·1	76·9	+1·8	74·2	87	+2	..	7·47	—1·14	9	—4·0	2·26
	August	..	..	80·6	77·5	90·1	—0·6	93·2	77·2	+0·9	74·1	87	0	..	7·37	0	9	—2·4	1·60
	September	..	..	79·0	77·0	88·3	—1·4	93·1	75·9	+1·3	73·6	91	+2	..	3·61	—3·32	10	—0·6	1·00
	October	..	..	72·5	70·9	83·5	—2·3	89·6	68·6	—1·1	60·1	92	+1	..	1·12	—3·18	4	—1·8	0·29
	November	..	..	65·0	65·0	75·0	—5·2	84·0	63·0	+3·5	54·0	100	+5	..	4·90	+4·21	6	+4·6	1·06
	December	..	..	54·0	53·0	72·0	—2·6	75·0	51·0	+0·6	47·0	93	—2	..	0·09	—0·32	0	—1·3	0·08
	Year	..	..	69·0	66·9	82·9	—1·9	99·6	65·0	+0·8	37·1	90	+2	..	50·70	—0·31	83	—1·4	2·26
Mesa (Salona) (Assam)	January	..	..	56·1	53·2	74·5	—4·5	80·2	47·3	+1·5	40·7	82	+6	..	0·93	+0·34	2	+0·7	0·85
	February	..	..	61·6	57·9	79·9	—0·6	86·1	51·4	+2·1	43·5	79	+2	..	1·38	+0·09	3	—0·3	0·48
	March	..	..	69·8	64·5	83·6	—3·3	92·2	60·5	+4·2	53·0	73	0	..	3·30	+0·69	8	+2·7	1·11
	April	..	..	76·1	70·1	87·6	—1·1	96·5	66·5	+3·3	60·5	73	—3	..	5·07	—0·75	10	—1·7	0·78
	May	..	..	80·0	74·9	91·3	—0·2	98·1	71·6	+2·5	63·0	78	+1	..	6·42	—1·64	11	—2·4	1·14
	June	..	..	83·0	76·4	87·8	—5·0	95·6	74·4	0	70·9	82	+2	..	16·96	+3·74	17	—0·7	3·17
	July	..	..	83·0	79·0	92·4	—0·8	97·9	76·7	+1·2	74·0	83	0	..	25·57	+7·60	19	—1·2	6·34
	August	..	..	82·7	79·2	91·6	—2·1	97·7	77·2	+1·8	74·3	85	+2	..	14·16	—2·68	22	+3·0	2·40
	September	..	..	81·3	77·9	90·3	—3·1	95·3	75·6	+1·5	73·5	85	+3	..	10·03	—0·74	14	—0·4	2·30
	October	..	..	76·6	72·5	86·9	—3·7	91·5	68·6	+0·4	62·3	82	+3	..	9·67	+4·69	7	—0·6	1·97
	November	..	..	68·0	65·0	80·0	—6·3	87·0	60·0	+3·0	51·0	84	+7	..	3·63	+3·12	5	+3·8	1·80
	December	..	..	59·0	57·0	77·0	—3·5	80·0	50·0	+2·1	45·0	88	+12	..	0·73	+0·29	2	+0·8	0·46
	Year	..	..	73·1	69·0	85·2	—2·0	98·1	65·0	+2·1	40·7	81	+3	..	97·85	+14·75	120	+3·7	6·34
Brahmanbaria (Bengal)	January	..	..	56·5	54·2	74·7	—4·5	79·2	47·5	—5·1	45·9	83	+2	..	2·88	+2·66	1	+0·3	2·88
	February	..	..	64·1	60·3	84·0	+2·0	88·6	52·5	—3·0	47·5	79	+1	..	0·14	—1·22	1	—1·2	0·12
	March	..	..	74·1	67·9	90·3	+1·4	92·3	61·1	—3·0	58·9	72	—5	..	5·23	+1·51	6	+1·6	1·75
	April	..	..	78·5	72·4	92·5	+1·8	95·2	67·3	—2·3	62·1	73	—6	..	6·09	—1·56	5	—3·4	1·52
	May	..	..	80·5	74·2	91·7	+0·8	94·8	69·9	—3·8	66·3	72	—8	..	7·80	—4·16	11	—0·7	1·57
	June	..	..	79·4	76·1	88·6	—0·6	92·4	72·3	—2·9	69·9	84	+1	..	27·35	+10·82	22	+5·6	6·55
	July	..	..	80·7	78·5	90·8	+1·9	92·6	76·1	—0·2	74·1	91	+7	..	10·15	—1·56	18	+1·7	1·76
	August	..	..	80·8	75·8	90·7	+1·9	93·0	76·8	+0·3	75·1	78	—6	.	9·66	—2·62	17	—0·2	1·55
	September	..	..	81·0	79·0	90·4	+0·4	91·8	76·7	+0·2	71·1	91	+8	..	7·86	—1·88	16	+2·9	1·60
	October	..	..	80·2	78·1	90·2	+1·5	91·6	76·0	+2·7	72·3	91	+11	..	4·95	—1·31	9	+2·1	1·30
	November	..	..	73·8	70·6	86·9	+1·2	88·6	68·2	+4·1	62·5	86	+10	..	6·04	+5·34	6	+4·9	2·05
	December	..	..	64·3	61·2	80·0	—0·4	83·8	57·2	+3·0	52·9	83	+6	..	0	—0·31	0	—0·7	0
	Year	..	..	74·5	70·7	87·6	+0·7	95·2	66·8	—0·8	45·9	82	+2	..	88·15	+5·71	112	+12·0	6·55

(s) Mean of 13 days.

MONTHLY AND ANNUAL TABLE D-5 FOR 1930—*contd.*

Abstract of 8 hrs. (local time) observations.

STATION.	Month.	Wind. Mean Direction.	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
Goalando (Bengal)	January	..	..	64·8	58·3	75·	+2·1	86·2	48·9	−2·0	41·0	66	−14	..	0·27	+0·06	1	+0·3	0·26
	February	..	..	69·4	61·8	83·4	+1·5	94·8	55·3	+1·9	45·0	63	−13	..	0·02	−1·37	0	−2·4	0·02
	March	..	..	75·5	70·0	92·1	+1·3	99·0	64·6	+2·7	51·5	75	+1	..	1·84	−0·49	5	+1·2	0·65
	April	..	..	82·4	76·9	96·7	+2·1	105·2	70·8	−0·3	61·0	77	−1	..	3·80	−0·47	4	−2·1	2·16
	May	..	..	82·8	79·2	92·0	−0·9	98·2	73·7	−0·1	69·0	85	+5	..	5·30	−2·99	11	+1·1	1·03
	June	..	..	84·7	80·8	90·5	+0·6	95·7	76·2	−0·1	71·0	83	−2	..	12·77	−0·07	13	−3·4	2·89
	July	..	..	81·2	81·0	88·9	+0·5	95·2	78·0	+0·7	75·5	87	+1	..	21·50	+9·80	17	+0·5	5·70
	August	..	..	84·7	80·8	88·3	−0·1	92·7	78·5	+0·9	76·4	83	−2	..	18·49	+6·62	18	+1·1	3·65
	September	..	..	85·5	80·8	89·9	+0·4	94·2	78·7	+1·2	71·4	81	−1	..	9·61	+0·84	9	−3·0	2·22
	October	..	..	83·4	77·2	90·3	+0·9	93·2	73·4	+0·3	68·0	75	−2	..	7·21	+1·60	6	−0·1	4·78
	November	..	..	75·1	69·5	82·3	−2·4	91·2	62·7	0	57·5	74	−2	..	4·21	+3·64	4	+3·4	2·62
	December	..	..	67·2	60·7	77·6	−0·4	80·7	52·8	+0·8	47·0	67	−11	..	0·08	−0·15	0	−0·4	0·08
	Year	..	..	78·3	73·1	87·3	+0·5	105·2	67·8	+0·5	41·0	76	−4	..	85·10	−17·02	88	−3·8	5·07
Pabna (Bengal)	January	..	..	57·1	54·7	77·2	−2·0	87·0	50·2	−2·6	41·1	87	+3	..	0·71	+0·42	2	+1·4	0·40
	February	..	..	63·9	59·6	84·4	+1·6	95·0	53·3	−2·6	43·8	77	0	..	0·[illegible]1	−0·66	1	−0·7	0·18
	March	..	..	73·7	69·2	92·7	+1·5	99·2	62·8	−1·0	53·7	79	+4	..	1·75	+0·38	3	+0·3	0·83
	April	..	..	81·1	75·1	97·7	+1·8	105·1	18·8	−2·5	59·8	74	−5	..	0·81	−2·07	3	−1·7	0·42
	May	..	..	8[illegible]·8	77·5	93·8	−0·8	102·1	71·2	−3·4	63·6	81	−1	..	7·05	−0·03	11	+1·9	1·81
	June	..	..	83·5	80·3	91·7	+0·4	98·2	74·0	−1·0	70·6	87	+1	..	11·38	−0·41	16	+1·4	2·56
	July	..	..	82·9	79·6	89·4	−1·0	93·7	73·4	−2·9	67·8	85	−2	..	16·25	+4·47	15	−1·7	2·71
	August	..	..	82·5	79·9	89·5	−0·6	93·2	73·6	−2·7	71·9	89	+2	..	12·00	+1·73	18	+2·0	2·19
	September	..	..	84·1	80·7	90·6	−1·0	94·5	74·4	−2·0	70·8	8[illegible]	+1	..	3·40	−4·86	8	−3·3	0·93
	October	..	..	81·0	76·9	91·2	+0·1	94·2	70·7	−2·2	66·6	83	+3	..	3·61	−1·82	5	−0·4	1·86
	November	..	..	70·0	67·0	83·0	−3·5	92·0	60·0	−3·8	52·0	85	+6	..	2·25	+2·70	4	+3·2	2·50
	December	..	..	61·0	58·0	79·0	−1·0	82·0	(h) 53·0	−1·5	48·0	82	+2	..	0	−0·19	0	−0·4	0
	Year	..	..	75·2	71·5	88·3	−0·4	105·1	65·5	−2·3	41·1	83	+2	..	60·62	−0·34	86	+2·0	2·71
Jamshedpur (Chota Nagpur).	January	..	..	56·0	53·5	78·8	..	91·3	51·0	..	43·5	85	..	..	0	..	0	..	0
	February	..	..	62·7	56·9	84·2	..	94·8	55·7	..	46·0	69	..	..	0·33	..	2	..	0·17
	March	..	..	75·1	63·3	97·1	..	103·2	65·3	..	56·2	49	..	..	0·02	..	0	..	0·02
	April	..	..	82·8	70·7	101·3	..	109·3	72·9	..	65·1	53	..	..	1·26	..	3	..	0·73
	May	..	..	87·2	77·4	103·7	..	111·0	78·6	..	71·6	62	..	..	0·97	..	2	..	0·54
	June	..	..	86·5	79·1	99·3	..	108·7	76·3	..	72·1	70	..	..	7·18	..	9	..	2·82
	July	..	..	80·5	75·6	89·1	..	93·3	76·6	..	70·6	78	..	..	21·40	..	22	..	4·25
	August	..	..	81·1	78·4	89·4	..	93·3	77·4	..	75·1	89	..	..	7·93	..	13	..	2·65
	September	..	..	81·1	78·3	89·6	..	95·3	76·7	..	75·1	87	..	..	7·78	..	14	..	1·76
	October	..	..	79·4	73·8	90·5	..	94·3	71·1	..	64·1	76	..	..	2·17	..	3	..	1·22
	November	..	..	64·7	62·8	80·2	..	91·8	60·2	..	53·5	89	..	..	2·76	..	5	..	1·69
	December	..	..	55·2	53·3	77·3	..	81·3	49·5	..	45·0	87	..	..	0	..	0	..	0
	Year	..	..	74·3	68·6	90·0	..	111·0	67·6	..	43·5	75	..	..	52·80	..	73	..	4·25

(h) Mean of 24 days.

MONTHLY AND ANNUAL TABLE D-5 FOR 1930—*contd.*

Abstract of 8 hrs. (local time) observations.

STATION.	Month.	Wind.		Temperature.								Humidity.		Cloud	Rainfall.				
				Mean 8 h.		Maximum.			Minimum.										
		Mean Direction.	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 the 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
Gurdaspur (Punjab)	January	..	..	46·1	44·8	62·4	..	70·7	40·9	..	33·1	90	..	7·8	1·98	..	4	..	1·07
	February	..	..	52·8	50·0	69·4	..	80·2	46·8	..	37·1	80	..	5·9	1·04	..	2	..	0·51
	March	..	..	62·7	57·8	81·1	..	93·4	53·7	..	40·4	72	..	6·2	1·08	..	2	..	0·97
	April	..	..	75·3	63·0	90·7	..	101·4	62·4	..	51·5	46	..	4·9	1·47	..	3	..	0·96
	May	..	..	87·5	67·9	101·2	..	108·8	73·2	..	64·3	32	..	4·9	0·05	..	0	..	0·05
	June	..	..	89·2	71·8	101·3	..	110·0	77·4	..	65·9	39	..	5·6	3·29	..	4	..	1·14
	July	..	..	82·8	77·9	91·8	..	101·4	76·7	..	70·1	79	..	9·0	15·45	..	15	..	4·34
	August	..	..	84·3	77·7	94·0	..	100·2	78·1	..	72·1	74	..	7·2	4·95	..	8	..	1·84
	September	..	..	78·2	72·2	91·9	..	98·4	70·1	..	62·6	73	..	4·3	2·53	..	4	..	1·32
	October	..	..	71·9	61·2	92·3	..	98·1	61·4	..	49·5	51	..	4·3	0·85	..	1	..	0·85
	November	..	..	57·9	51·1	81·7	..	85·0	46·8	..	41·5	58	..	2·5	0	..	0	..	0
	December	..	..	45·3	41·6	(g) 73·7	..	78·0	38·0	..	29·9	72	..	4·3	0·05	..	0	..	0·05
	Year	..	..	69·5	61·4	86·0	..	110·0	60·5	..	29·9	64	..	5·6	32·74	..	43	..	4·34
Sargoda (Punjab)	January	S 45 W	0·1	45·7	42·6	63·3	..	70·1	40·3	..	32·2	75	..	..	1·56	..	2	..	0·80
	February	N 45 E	0·1	52·5	49·6	71·8	..	80·6	45·9	..	36·7	80	..	0·9	0·06	..	0	..	0·04
	March	E	0·5	65·1	59·4	85·1	..	95·1	51·5	..	36·7	70	..	0·5	0·08	..	0	..	0·08
	April	N 27 E	0·4	76·1	68·4	89·9	..	101·6	61·7	..	52·2	66	..	1·3	2·47	..	4	..	2·05
	May	Calm	(i) 0·3	89·4	78·3	104·3	..	111·1	71·8	..	62·7	59	..	0·5	0·17	..	1	..	0·12
	June	N 67 E	0·6	91·1	76·8	106·6	..	112·9	78·1	..	67·7	49	..	1·0	0·86	..	3	..	0·38
	July	S 63 E	(c) 0·6	86·7	81·6	98·4	..	106·6	79·3	..	70·7	80	..	2·2	1·36	..	2	..	0·98
	August	S 3 W	(c) 2·0	88·3	82·7	100·8	..	105·5	78·6	..	71·7	78	..	0·9	1·94	..	2	..	1·58
	September	S 89 E	1·7	82·8	74·9	98·4	..	105·5	71·5	..	61·7	67	..	0·3	0·48	..	2	..	0·28
	October	N 12 E	1·1	73·1	65·3	92·6	..	101·2	61·1	..	50·6	65	..	0·9	0·50	..	1	..	0·50
	November	S 63 W	0·5	57·8	52·2	80·9	..	85·5	(d) 46·9	..	43·0	67	..	0·6	0	..	0	..	0
	December	S 22 E	0·[illegible]	46·8	42·8	72·9	..	81·0	38·4	..	29·7	70	..	0·8	0	..	0	..	0
	Year	..	0·7	71·3	64·6	88·7	..	112·9	60·4	..	29·7	69	..	(b) 0·9	9·48	..	17	..	2·05
Sukkur (Sind)	January	Calm	3·2	57·7	(e) 47·5	71·8	..	79·8	42·3	..	36·0	44	..	1·5	0	..	0	..	0
	February	Calm	2·5	62·2	53·0	82·1	..	91·0	49·9	..	37·0	49	..	0·3	0	..	0	..	0
	March	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	April	S 42 E	4·9	77·3	64·6	97·7	..	107·6	69·1	..	57·6	48	..	0·5	0	..	0	..	0
	May	S 7 W	3·9	86·4	76·7	110·2	..	116·3	77·9	..	69·6	63	..	0·2	0	..	0	..	0
	June	S 34 W	(c) 5·9	88·3	(k) 78·8	110·5	..	118·0	(f) 84·3	..	74·2	(k) 65	..	0·1	0	..	0	..	0
	July	S 9 E	6·4	87·8	84·4	103·2	..	108·0	79·2	..	74·0	86	..	0·7	1·68	..	4	..	0·52
	August	S 10 E	5·6	83·3	76·4	100·2	..	105·2	75·9	..	71·3	71	..	0·4	0	..	0	..	0
	September	S	3·6	83·7	74·6	100·2	..	104·0	78·1	..	65·6	62	..	0	0	..	0	..	0
	October	S 6 W	3·6	81·9	67·8	94·3	..	104·5	67·7	..	56·6	45	..	0·3	0·08	..	0	..	0·08
	November	S 80 E	4·0	74·0	58·9	85·5	..	91·0	55·9	..	51·6	36	..	0	0	..	0	..	0
	December	N 70 E	1·9	59·5	50·0	(e) 77·9	..	86·0	(e) 45·1	..	39·1	46	..	0	0	..	0	..	0
	Year (b)	..	4·1	76·6	66·6	94·0	..	118·0	65·9	..	36·0	56	..	0·4	1·76	..	4	..	0·52

(b) Mean of 11 months. (c) Mean of 29 days. (d) Mean of 28 days. (e) Mean of 30 days. (f) Mean of 27 days. (g) Mean of 25 days. (k) Mean of 29 days. (i) Mean of 23 days

MONTHLY AND ANNUAL TABLE D-5 FOR 1930—*contd.*

Abstract of 8 hrs. (local time) observations.

STATION.	Month.	Wind. Mean Direction.	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
Jammu (Kashmir)	January	N 36 E	..	49·2	46·8	62·4	−3·5	68·3	46·5	−1·7	39·3	81	+10	5·3	2·54	+0·16	5	+1·2	0·70
	February	N 43 E	..	55·1	49·8	69·0	+0·3	79·6	52·0	+1·1	43·3	69	+2	4·6	0·96	−1·40	3	−0·5	0·48
	March	N 43 E	..	67·0	56·0	81·1	+3·4	91·9	60·9	+2·8	51·3	47	−7	3·5	0·75	−1·90	4	−0·5	0·26
	April	N 33 E	..	73·8	61·2	87·5	−0·6	98·7	67·3	+0·3	58·1	46	0	4·2	4·48	+2·75	6	+2·4	1·86
	May	N 41 E	..	86·3	65·7	99·5	+1·0	107·6	78·7	+1·8	70·5	39	−10	3·2	0·44	−0·35	1	−1·4	0·37
	June	N 66 E	..	88·5	71·1	101·1	+0·1	109·1	82·5	+0·8	73·1	40	−11	3·0	1·69	−1·89	4	−0·4	0·96
	July	N 63 E	..	81·8	76·9	92·5	−3·0	100·7	77·5	−1·5	71·9	79	+9	6·1	13·50	+0·15	13	+2·2	3·96
	August	N 53 E	..	82·6	77·1	93·9	+1·7	99·1	79·3	+2·3	72·3	77	0	4·3	7·75	−6·64	9	−3·1	1·48
	September	N 43 E	..	79·3	70·5	92·4	+0·3	97·1	74·5	−0·1	66·8	63	−5	2·6	1·27	−1·83	3	−0·6	0·81
	October	N 35 E	..	75·0	60·8	90·5	+2·1	95·5	68·4	+1·8	61·3	42	−12	1·2	0	−6·70	0	−1·3	0
	November	N 28 E	..	61·1	52·7	80·4	+2·8	83·9	56·3	+0·9	47·1	54	−4	1·0	0	−0·26	0	−0·7	0
	December	N 32 E	..	51·6	46·3	71·3	+3·9	77·1	48·7	+0·7	43·3	64	−1	2·2	0·02	−0·87	0	−2·5	0·02
	Year	..	..	70·9	61·2	85·1	+0·7	109·1	66·1	+0·8	39·3	58	−2	3·4	33·40	−12·78	48	−5·2	3·96
Srinagar (Kashmir)	January	S 64 W	..	5·5	..	18·2	−8·6	32·5	1·5	+1·2	−18·6	..	..	5·5	3·16	+1·70	7	+3·1	0·51
	February	N 6 W	..	7·0	..	25·5	−4·0	40·2	4·9	+2·6	−14·4	..	..	4·7	5·01	+3·98	5	+2·1	2·54
	March	N 10 W	..	22·1	..	35·9	−5·7	44·8	17·7	+2·9	−1·1	..	..	4·3	10·93	+9·75	5	+2·2	4·11
	April	S 84 E	..	34·1	(s) 34·1	49·6	−8·5	64·2	31·5	+1·0	21·2	(s) 64	−1	4·9	4·87	+3·15	5	+1·2	2·22
	May	N 51 E	..	52·4	43·4	71·4	−1·3	76·9	48·2	+6·6	40·2	47	−5	1·4	0·59	−0·20	1	−0·6	0·49
	June	N 17 E	..	60·7	51·5	78·6	−4·4	88·5	55·0	+4·2	50·3	54	+12	1·2	0·04	−0·08	0	−0·7	0·03
	July	N 55 W	..	70·1	57·3	86·1	−3·0	94·0	64·6	+8·5	59·1	45	+5	5·3	0·22	+0·05	1	+0·4	0·11
	August	N 12 W	..	71·7	56·1	86·9	−1·9	89·7	61·2	+5·3	56·2	37	−3	0·5	0	−0·26	0	−1·2	0
	September	N 14 W	..	58·8	46·9	75·9	−4·3	85·0	51·7	+4·2	43·7	41	−1	2·0	0·02	−0·15	0	−0·8	0·02
	October	N 38 E	..	45·7	(h) 42·2	64·7	−2·8	76·5	41·6	+6·8	34·1	(h) 59	+14	5·5	0·05	−0·32	0	−0·5	0·03
	November	N 43 W	..	33·1	..	53·6	+2·2	58·6	29·1	+9·4	25·0	..	..	0·8	0·02	−0·10	0	−0·4	0·02
	December	N 52 W	..	23·7	..	40·7	+4·7	49·9	17·6	+8·1	11·7	..	..	3·9	0·15	−0·58	1	−0·8	0·12
	Year	..	..	40·4	..	57·3	−3·1	94·0	35·4	+5·1	−18·6	..	..	3·3	25·06	+16·89	25	+4·0	4·11
Bannu (N.W.F. Province)	January	..	..	45·9	40·3	65·0	..	77·1	39·9	..	32·4	58	..	3·3	0·42	..	2	..	0·22
	February	..	..	52·5	47·2	71·4	..	80·1	46·0	..	35·8	65	..	2·2	0·33	..	1	..	0·15
	March	..	..	64·1	54·6	82·2	..	93·1	55·2	..	43·2	51	..	1·5	1·16	..	2	..	0·62
	April	..	..	71·0	62·1	85·6	..	97·3	60·4	..	50·0	57	..	3·6	1·49	..	4	..	0·71
	May	..	..	86·6	66·5	102·0	..	109·9	(g) 70·5	..	60·6	31	..	1·3	0·04	..	0	..	0·04
	June	..	..	89·9	72·1	105·4	..	113·1	79·6	..	71·4	38	..	2·9	0·59	..	2	..	0·39
	July	..	..	88·3	77·8	102·2	..	111·3	82·7	..	77·4	61	..	4·4	0·14	..	1	..	0·12
	August	..	..	87·5	76·0	102·8	..	107·1	80·3	..	71·2	57	..	1·4	0·34	..	1	..	0·20
	September	..	..	80·4	68·7	98·2	..	105·1	72·5	..	62·2	53	..	2·0	1·24	..	1	..	1·24
	October	..	..	71·3	59·7	91·6	..	99·5	62·1	..	53·2	47	..	0·5	0·02	..	0	..	0·02
	November	..	..	56·3	48·5	(e) 81·4	..	86·5	48·8	..	45·0	52	..	0·5	0	..	0	..	0
	December	..	..	47·5	40·9	72·9	..	79·7	41·7	..	34·8	52	..	1·9	0·08		0	..	0·08
	Year	..	..	70·1	59·5	88·4	..	113·1	61·6	..	32·4	52	..	2·1	5·85	..	14	..	1·24

(b) Mean of 30 days.
(c) Mean of 29 days.
(e) Mean of 27 days.
(h) Mean of 24 days.
(s) Mean of 12 days.
(g) Mean 25 of days.

MONTHLY AND ANNUAL TABLE D-5 FOR 1930—*contd.*

Abstract of 8 hrs. (local time) observations.

STATION.	Month.	Wind. Mean Direction.	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
Razmak (N. W. F. P.)	January	..	..	28·6	..	41·9	..	51·1	26·7	..	19·4	..	..	2·3	1·32	..	4	..	0·40
	February	..	..	35·5	(b) 35·0	51·1	..	68·3	34·3	..	21·2	(b) 61	..	0·4	0·53	..	3	..	0·13
	March	..	..	44·2	(f) 39·1	59·3	..	72·1	43·3	..	30·4	(f) 53	..	1·2	2·69	..	6	..	1·31
	April	..	..	52·6	44·7	64·0	..	77·1	48·1	..	38·2	54	..	2·1	3·39	..	9	..	0·74
	May	..	..	65·2	50·2	76·8	..	84·1	56·4	..	48·2	33	..	0·9	2·29	..	6	..	0·99
	June	..	..	70·4	55·3	80·7	..	87·6	62·5	..	55·7	38	..	1·1	1·60	..	3	..	0·73
	July	..	..	71·6	63·9	79·6	..	88·1	64·1	..	59·2	67	..	0·6	8·49	..	13	..	2·95
	August	..	..	71·7	60·3	80·3	..	86·1	62·7	..	59·2	51	..	..	3·70	..	8	..	0·94
	September	..	..	65·5	52·2	76·0	..	82·1	55·9	..	48·2	39	..	..	1·06	..	5	..	0·32
	October	..	..	55·3	43·5	68·5	..	78·6	47·9	..	38·2	35	..	1·0	0·93	..	2	..	0·67
	November	..	..	47·2	(c) 35·3	60·9	..	66·1	(i) 43·7	..	38·2	(c) 25	..	0	0·06	..	0	..	0·04
	December	..	..	37·2	..	55·5	..	61·1	33·0	..	26·5	..	..	1·6	0	..	0	..	0
	Year	..	..	53·7	(d) 47·9	66·2	..	88·1	48·2	..	19·4	(d) 46	..	(d) 1·1	26·06	..	59	..	2·95
Wana (N. W. F. P.)	January	..	..	..	..	..	..	..	..	..	..	..	..	..	0·46	..	1	..	0·46
	February	..	..	36·3	..	60·8	..	75·4	32·4	..	23·4	..	..	..	0·42	..	1	..	0·22
	March	..	..	45·3	(e) 43·3	69·3	..	80·9	41·1	..	30·4	(e) 76	..	..	1·78	..	4	..	0·99
	April	..	..	54·5	51·1	76·6	..	89·9	51·3	..	38·4	79	..	..	1·76	..	4	..	0·68
	May	..	..	66·0	56·0	89·3	..	95·9	58·6	..	52·4	54	..	..	0·76	..	4	..	0·25
	June	..	..	75·5	61·6	94·2	..	101·9	67·9	..	61·4	46	..	..	0	..	0	..	0
	July	..	..	76·1	69·7	93·0	..	101·9	70·8	..	65·4	73	..	..	1·24	..	6	..	0·37
	August	..	..	72·2	64·3	92·9	..	97·9	67·4	..	58·9	65	..	..	0·80	..	3	..	0·34
	September	S 3 W	..	64·0	55·3	88·4	..	95·8	59·2	..	44·6	59	..	..	0·04	..	0	..	0·04
	October	S 39 W	..	52·3	44·7	79·7	..	89·0	47·0	..	37·4	56	..	..	0·07	..	0	..	0·07
	November	S 62 W	..	37·5	(b) 34·5	70·0	..	74·4	33·7	..	28·9	(b) 68	..	..	0·06	..	0	..	0·06
	December	S 45 W	..	31·7	..	62·7	..	69·9	27·1	..	20·9	..	..	..	0	..	0	..	0
	Year (a)	..	..	55·6	(g) 53·4	79·7	..	101·9	50·6	..	20·9	(g) 64	..	..	7·39	..	23	..	0·99
Dazdap (Baluchistan)	January	N 6 W	(k) 5·0	(n) 33·3	..	44·2	..	62·0	(n) 29·2	..	15·2	..	..	4·6	2·07	..	6	..	1·00
	February	(h) S 33 W	(l) 7·5	43·9	..	(e) 61·7	..	76·2	38·4	..	20·0	..	..	1·6	0	..	0	..	0
	March	S 28 W	(m) 5·9	45·7	(c) 42·6	65·4	..	82·3	39·8	..	21·4	(e) 66	..	1·0	0·04	..	0	..	0·04
	April	S 63 W	6·8	54·0	47·5	(c) 73·1	..	85·9	48·8	..	33·1	60	..	1·0	0·33	..	2	..	0·15
	May	S 81 W	6·2	62·4	49·8	..	..	..	54·2	..	50·4	38	..	0·2	0·06	..	0	..	0·03
	June	N 4 W	6·8	74·8	59·8	95·1	..	104·5	64·2	..	53·8	40	..	0	0	..	0	..	0
	July	N 70 W	6·5	78·2	60·4	98·7	..	105·2	67·6	..	60·2	32	..	0	0	..	0	..	0
	August	S 45 W	6·1	67·0	54·1	92·6	..	98·2	58·3	..	49·4	40	..	0	0	..	0	..	0
	September	S 45 W	5·8	61·0	52·8	(i) 87·9	..	96·5	53·4	..	40·0	58	..	0·1	0	..	0	..	0
	October	S 45 W	5·3	53·5	44·9	..	..	..	47·1	..	32·2	49	..	0·5	0·08	..	0	..	0·06
	November	Calm	4·0	40·3	(j) 37·5	..	..	..	37·3	..	28·2	(f) 61	..	1·0	1·00	..	1	..	1·00
	December	Calm	4·1	34·7	..	58·4	..	71·9	30·0	..	23·0	..	..	1·0	0	..	0	..	0
	Year	..	5·8	54·1	(g) 49·9	(g) 75·2	..	105·2	47·4	..	15·2	(x) 49	..	0·9	3·58	..	9	..	1·00

(a) Mean of 11 months. (b) Mean of 15 days. (c) Mean of 29 days. (d) Mean of 10 months (e) Mean of 27 days. (f) Mean of 26 days. (g) Mean of 9 months. (h) Mean of 24 days. (i) Mean of 23 days. (j) Mean of 22 days. (k) Mean of 11 days. (l) Mean of 20 days. (m) Mean of 18 days. (n) Mean of 30 days.

MONTHLY AND ANNUAL TABLE D-5 FOR 1930—*concld.*

Abstract of 8 hrs. (local time) observations.

STATION.	Month.	Wind. Mean Direction.	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
Extra India Chumbi (Yatung) (Sikkim).	January	..	..	22·4	..	43·5	—1·0	51·1	19·5	—0·6	13·6	..	..	1·7	0·18	—0·48	0	—1·9	0·09
	February	..	..	22·8	..	45·5	+2·0	53·7	18·7	—3·4	12·0	..	..	3·5	1·88	+0·08	4	+0·6	0·87
	March	..	..	29·8	..	52·1	+2·6	61·0	22·7	—6·0	10·8	..	..	3·9	4·34	+2·00	10	+3·6	0·88
	April	..	..	40·8	39·4	58·7	+2·9	65·9	34·8	—0·5	27·0	89	+7	3·9	4·12	—0·37	9	—1·9	0·87
	May	..	..	46·0	44·3	63·0	+3·2	68·1	39·8	—2·9	34·8	90	+7	5·0	2·71	—1·70	10	—1·6	0·44
	June	..	..	53·0	51·2	62·7	—0·7	67·1	47·3	—1·9	44·0	89	+1	5·0	4·84	—1·93	11	—4·4	0·80
	July	..	..	54·3	52·8	68·3	+3·8	73·1	48·8	—2·8	46·0	92	+3	5·4	4·82	—2·60	13	—6·4	0·86
	August	..	..	55·6	53·9	67·4	+3·6	73·5	49·6	—1·4	46·0	92	+4	6·1	3·72	—3·90	13	—6·7	0·80
	September			Observations not recorded.															
	October	..	..	40·3	(c) 39·9	59·3	+1·4	65·1	35·5	—1·8	28·0	(c) 96	+10	3·5	0·88	—1·05	3	—0·8	0·40
	November	..	..	31·6	..	53·5	+1·7	61·1	27·3	—1·2	22·2	..	..	2·0	1·61	+1·37	3	+2·4	1·20
	December	..	..	23·5	..	47·8	+2·3	57·6	20·1	—2·4	17·0	..	..	1·8	0·21	+0·06	1	+0·4	0·21
	Year*	..	..	38·2	..	56·5	+1·2	73·5	33·1	—3·3	10·8	..	..	3·9	29·31	—8·52	77	—16·7	1·20
Abadan (Persia) (9 A.M. Observations).	January	S 73 W	2·3	51·1	49·1	60·2	..	66·5	45·2	..	37·0	85	..	3·4	2·26	..	7	..	·47
	February	S 11 E	2·8	60·4	55·0	68·8	..	74·5	(g) 51·0	..	40·0	68	..	3·4	0·86	..	1	..	0·80
	March	S 78 W	2·5	67·6	57·5	78·5	..	91·0	57·8	..	48·0	52	..	3·2	0·01	..	0	..	0·01
	April	S 33 W	2·5	79·3	66·1	83·2	..	99·0	66·9	..	57·0	49	..	2·8	0·53	..	1	..	0·39
	May	N 56 W	2·4	91·2	67·9	100·7	..	110·0	74·8	..	69·5	25	..	1·2	0	..	0	..	0
	June	N 52 W	2·9	99·3	77·3	108·3	..	115·0	81·5	..	75·0	34	..	0·4	0	..	0	..	0
	July	N 70 W	1·6	100·4	80·3	110·1	..	117·0	84·2	..	76·0	39	..	0·1	0	..	0	..	0
	August	S 29 W	1·0	98·3	77·3	111·9	..	117·0	81·4	..	75·0	36	..	0·9	0	..	0	..	0
	September	N 77 W	1·2	92·6	70·7	106·0	..	115·0	75·9	..	68·0	30	..	0	0	..	0	..	0
	October	S 89 W	1·3	82·2	66·9	(b) 95·9	..	107·0	(c) 66·8	..	62·0	49	..	1·1	0	..	0	..	0
	November	N 48 W	2·0	70·4	61·6	81·6	..	91·0	57·7	..	40·0	59	..	2·7	0·09	..	0	..	0·05
	December	N 76 W	2·1	57·2	53·0	68·4	..	76·0	47·8	..	36·5	75	..	4·6	0·73	..	2	..	0·31
	Year	..	2·1	79·2	65·2	89·9	..	117·0	65·9	..	36·5	50	..	2·0	4·48	..	11	..	0·80

* Mean of 11 months. (b) Mean of 30 days. (c) Mean of 29 days. (g) Mean of 25 days.

Table D-6.—Abstract of observations taken at 8 hrs. (local time) at 30 fifth class stations in the year 1930.

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	1	+0·2	1·60	+1·31	1·60	1	−1·0	0·28	−0·90	0·28	7	+3·3	5·63	+2·68	2·15
Faridpur	1	+0·1	1·40	+0·95	1·40	0	−2·2	0	−1·32	0	6	+2·8	3·65	+1·32	1·92
Sirajganj	2	+1·3	0·39	+0·07	0·27	1	−0·6	0·38	−0·39	0·31	3	+0·7	2·80	+1·47	1·93
Rampur Boalia	1	+0·2	0·31	−0·04	0·22	1	−0·5	0·38	−0·20	0·22	2	0	2·62	+1·42	1·88
Malda	1	+0·1	0·15	−0·40	0·15	1	−0·7	0·17	−0·67	0·10	0	−1·3	0·01	−0·70	0·01
Rangpur	1	+0·1	0·65	+0·31	0·65	2	+0·7	1·07	+0·38	0·86	1	−0·8	0·44	−0·69	0·43
Cooch Behar	1	+0·5	0·26	+0·07	0·26	1	−0·8	0·27	−0·60	0·20	7	+4·3	4·16	+2·25	1·15
Krishnagar	0	−0·9	0	−0·44	0	1	−0·7	0·14	−1·06	0·14	2	−0·4	1·70	−0·12	1·07
Bankura	0	−1·2	0	−0·51	0	1	−0·9	0·31	−0·73	0·25	1	−1·2	0·71	−0·54	0·71
Behar and Orissa—															
Hazaribagh*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bhagalpur	1	0	0·40	−0·08	0·40	0	−1·6	0·16	−0·56	0·05	1	−0·4	0·42	−0·15	0·39
Muzaffarpur	1	−0·1	0·42	−0·10	0·42	0	−1·6	0.11	−0·43	0.07	0	−1·1	0	−0·47	0
Motihari	1	−0·1	0·42	−0·06	0·40	2	+0·7	0·94	+0·39	0·75	1	+0·1	0·83	+0·33	0·83
Chapra	1	−0·2	0·23	−0·32	0·23	2	+0·4	0.38	−0·25	0·15	0	−1·1	0·04	−0·34	0·04
Arrah	1	−0·2	0·54	−0·09	0·54	2	+0·5	0·43	−0·31	0·24	0	−1·1	0	−0·47	0
Dehri	0	−1·4	0	−0·58	0	0	−1·8	0	−0·78	0	0	−1·2	0	−0·47	0
United Provinces—															
Meerut*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rajputana—															
Udaipur*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hyderabad (Deccan)—															
Parbhani*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madras—															
Palamcottah*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kashmir—															
Sonamarg*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Baluchistan—															
Harnai*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Pishin	7	+2·9	3·57	+1·72	1·28	1	−2·7	0·90	−0·84	0·82	2	−2·8	0·61	−1·49	0·30
Hill Stations exclusive of Kashmir—															
Gnatong	2	−1·0	0·75	−2·05	0·40	4	−5·6	1·05	−6·87	0·30	15	+3·2	5·50	−3·02	1·05
Lachung	2	−0·6	0·74	+0·15	0·50	2	−5·1	0·60	−2·41	0·20	11	−1·8	3·87	−2·41	0·64
Dharampore*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Dalhousie*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Eskloh	7	..	6·19	..	2·20	5	..	1·81	..	1·02	4	..	1·71	..	1·11
Kailang	6	+0·4	2·43	−0·43	0·70	7	+1·1	2·78	+0·09	0·82	9	+1·2	4·13	+0·08	1·87
Mahableshwar	0	..	0	..	0	0	..	0	..	0	0	..	0	..	0

* Giving only annual rainfall, as it is published in M. W. R.

TABLE D-6 FOR 1930.

(local time) 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
4	—3·3	2·20	—4·38	1·30	14	+2·5	10·61	—1·16	1·60	22	+4·5	28·41	+10·36	5·80	19	+0·8	17·55	+2·50	3·99
6	—0·4	4·68	—0·64	1·18	10	—1·0	6·57	—2·47	1·57	13	—2·4	10·17	—3·19	2·35	22	+4·4	21·65	+8·82	4·30
6	+1·2	1·95	—1·36	0·60	11	+0·8	7·12	—0·76	1·57	17	+2·3	13·34	+1·43	2·40	20	+4·4	15·06	+3·57	3·28
2	—0·8	1·32	—0·46	1·09	7	—0·4	2·53	—3·04	1·11	12	—1·1	9·91	—1·26	1·45	17	+2·0	18·54	+7·73	3·91
3	+0·9	0·93	—0·20	0·60	6	+0·2	3·59	—0·91	1·80	11	—0·6	6·73	—3·62	1·20	18	+3·4	11·40	+0·43	2·67
4	—0·5	2·37	—0·72	1·01	7	—4·7	5·11	—5·82	1·03	17	+1·0	25·43	+7·82	4·34	13	—2·1	5·96	—9·30	1·34
3	—4·3	1·83	—3·60	1·38	14	—0·3	7·58	—8·22	1·50	23	+4·5	33·14	+0·23	4·42	17	—2·6	9·84	—20·50	1·80
1	—3·1	0·24	—2·31	0·18	7	—0·9	3·38	—3·62	1·06	9	—4·0	6·00	—4·66	1·89	22	+6·1	14·12	+3·04	3·63
2	—0·8	0·39	—0·93	0·25	5	—1·1	2·87	—1·97	0·80	5	—6·0	7·51	—3·58	2·49	18	+2·6	20·01	+6·90	4·73
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1	—0·5	0·15	—0·58	0·10	2	—2·1	1·19	—1·90	0·84	7	—3·4	6·07	—2·18	1·74	17	+2·0	10·47	—1·32	1·98
0	—1·1	0·05	—0·46	0·05	1	—2·6	0·21	—2·16	0·16	5	—3·3	6·12	—2·03	3·42	7	—7·5	5·43	—7·04	1·50
1	—0·3	0·40	—0·48	0·35	2	—2·2	0·80	—2·18	0·60	6	—3·8	9·66	+0·47	3·55	8	—6·5	17·28	+3·48	8·95
0	—0·8	0·08	—0·26	0·05	1	—1·0	0·95	—0·65	0·95	8	+0·4	8·57	+1·72	3·50	15	+1·1	11·02	—1·20	2·10
1	+0·4	0·28	0	0·28	1	—1·2	0·74	—0·70	0·68	8	+0·1	6·31	—0·47	1·40	21	+6·7	15·04	+2·34	3·85
1	+0·4	0·43	+0·19	0·36	1	—0·5	0·15	—0·68	0·15	5	—2·5	3·35	—2·72	1·20	22	+8·4	17·61	+7·02	2·80
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
4	+1·8	2·25	+1·43	1·49	0	—0·6	0·02	—0·17	0·02	1	+0·9	0·29	+0·26	0·28	1	+0·6	0·30	+0·21	0·19
11	—7·2	7·50	—4·32	1·95	25	+0·9	12·74	—4·89	1·84	26	—0·4	24·05	—5·55	4·30	31	+1·8	23·40	—13·60	2·45
11	—4·9	3·96	—3·20	1·01	17	+1·8	3·71	—2·20	0·51	21	—0·8	11·00	+1·33	1·36	20	—4·6	6·79	—3·44	0·87
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
6	..	5·17	..	2·61	3	..	1·20	..	0·75	9	..	10·11	..	3·55	23	..	39·17	..	5·60
8	+1·6	7·75	+4·36	2·06	6	+0·6	1·74	—0·56	0·33	4	+1·4	1·05	+0·02	0·50	1	—3·2	0·35	—1·04	0·24
0	..	0·10	..	0·05	4	..	3·99	..	2·45	21	..	43·65	..	5·45	31	..	108·14	..	10·95

MONTHLY AND ANNUA

Abstract of 8 hr

Station.	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	15	—2·9	8·30	—7·43	1·78	13	—0·5	3·97	—6·96	1·05	7	+0·9	6·54	+0·02	1·85
Faridpur	19	+1·6	16·02	+3·60	2·83	11	—1·2	5·05	—4·24	1·68	6	+0·6	4·44	—0·30	1·86
Sirajganj	16	+0·6	12·27	+0·77	2·86	6	—5·6	3·02	—6·69	1·35	6	+1·1	4·62	—0·32	1·25
Rampur Bealia	12	—2·6	7·15	—3·17	2·87	7	—5·2	2·56	—7·48	0·63	5	+0·6	2·79	—0·94	1·31
Malda	13	—1·8	8·64	—2·88	1·62	10	—1·2	8·63	—2·16	3·32	5	+0·9	1·79	—2·55	0·81
Rangpur	19	+4·9	24·05	+10·42	5·09	11	—2·1	7·87	—5·87	2·05	3	—1·2	3·50	—1·86	1·85
Cooch Behar	17	—1·2	12·90	—12·25	1·60	17	+1·2	12·17	—14·23	2·59	8	+2·5	6·36	—1·32	2·15
Krishnagar	16	+1·1	13·27	+3·10	3·70	7	—4·1	2·44	—5·59	0·61	6	+1·1	5·59	+1·21	2·65
Bankura	13	—2·8	11·76	+0·29	2·09	13	+1·5	5·40	—3·34	1·32	2	—2·2	2·04	—0·87	1·13
Bihar and Orissa—															
Hazaribagh*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bhagalpur	13	0	6·35	—4·44	1·55	11	+1·5	6·37	—3·02	1·75	2	—0·6	0·54	—1·68	0·35
Muzaffarpur	3	—10·7	2·59	—10·83	1·04	12	+3·1	11·64	+4·10	1·75	0	—2·5	0·05	—2·52	0·05
Motihari	11	—2·6	5·74	—7·72	1·12	14	+4·9	17·29	+8·01	4·62	0	—2·5	0·08	—2·32	0·04
Chapra	12	—1·5	3·84	—8·02	0·90	13	+4·2	6·82	—0·61	1·20	2	—0·5	0·67	—1·51	0·45
Arrah	11	—3·1	8·36	—3·29	2·04	9	—0·4	9·70	+1·73	4·80	2	—1·1	0·68	—1·86	0·57
Dehri	13	—1·5	19·49	+6·29	4·90	12	+3·2	7·63	+0·75	2·15	0	—2·9	0	—2·15	0
United Provinces—															
Meerut*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rajputana—															
Udaipur*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hyderabad (Deccan)—															
Parbhani*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madras—															
Palamcottah*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kashmir—															
Sonamarg*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Baluchistan—															
Harnai*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Pishin	0	—0·4	0	—0·20	0	0	—0·1	0	—0·02	0	1	+0·6	0·19	+0·02	0·18
Hill Stations exclusive of Kashmir—															
Gnatong	29	+1·5	28·90	—4·72	2·65	27	+3·4	15·50	—1·03	1·25	17	+6·5	5·55	+0·92	1·00
Lachung	29	+3·9	13·11	+3·35	1·01	21	+2·1	7·03	—0·28	1·02	14	+5·2	5·26	+1·62	0·97
Dharampore*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Dalhousie*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Buxloh	22	..	35·95	..	6·73	4	..	8·54	..	6·43	0	..	0·19	..	0·09
Kailang	0	—3·9	0·07	—1·30	0·05	2	—0·7	0·33	—1·53	0·19	2	+0·8	0·40	—0·31	0·20
Mahableshwar	30	..	68·29	..	8·05	17	..	39·38	..	12·88	11	..	7·35	..	1·45

* Giving only annual rainfall, as it is published in M. W. R.

TABLE D-6 FOR 1930—*concld.*

(*local time*) *observations.*

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 month.	Departure from normal.	Heaviest rainfall during month.
52	53	54	55	56	57	58	59	60	61	62	63	64	65	66
7	+5·6	5·87	+4·84	1·80	0	—0·3	0	—0·23	0	110	+9·8	90·96	+0·65	5·80
6	+4·7	3·70	+2·60	1·77	0	—0·3	0	—0·12	0	100	+6·7	77·33	+5·61	4·30
6	+5·3	4·82	+4·20	3·84	0	—0·3	0	—0·11	0	94	+11·2	66·27	+1·88	3·84
4	+3·3	5·00	+4·51	3·53	0	—0·1	0	—0·06	0	70	—4·6	53·11	—2·99	3·91
5	+4·3	3·59	+3·24	2·53	0	—0·1	0	—0·05	0	73	+4·1	45·63	—10·47	3·32
3	+2·7	2·07	+1·86	1·55	0	—0·2	0	—0·04	0	81	—2·2	78·52	—3·51	5·09
2	+1·6	1·11	+0·88	0·70	0	—0·3	0	—0·10	0	110	+5·1	89·62	—57·39	4·42
5	+3·8	4·96	+3·98	3·96	0	—0·2	0	—0·09	0	76	—2·2	51·84	—6·56	3·96
4	+2·9	4·04	+3·40	3·14	0	—0·2	0	—0·08	0	64	—10·3	55·04	—1·96	4·73
..	..	..	..	..	..	..	..	..	..	71	—4·2	59·36	+6·08	8·26
5	+4·6	1·62	+1·35	0·94	1	+0·9	0·16	+0·08	0·16	61	+0·4	33·90	—14·48	1·98
1	+0·6	0·30	+0·07	0·30	1	+0·9	0·55	+0·49	0·55	31	—25·9	27·47	—21·38	3·42
0	—0·2	0·03	—0·17	0·02	1	+0·6	0·82	+0·68	0·82	47	—11·9	54·29	—0·57	8·95
1	+0·6	0·40	+0·14	0·40	1	+0·7	0·50	+0·38	0·50	56	+2·3	33·50	—10·92	3·50
2	+1·5	0·63	+0·36	0·43	1	+0·6	0·16	+0·01	0·16	59	+2·7	42·87	—2·75	4·80
1	+0·4	0·53	+0·07	0·50	1	+0·6	0·25	+0·03	0·25	56	+1·2	49·44	+6·97	4·90
..	..	..	..	..	..	..	..	..	..	36	—2·5	29·28	—2·68	2·52
..	..	..	..	..	..	..	..	..	..	32	—0·7	26·54	+2·76	4·92
..	..	..	..	..	..	..	..	..	..	36	—13·2	23·51	—13·62	3·72
..	..	..	..	..	..	..	..	..	..	33	—8·3	33·61	—4·73	3·85
..	..	..	..	..	..	..	..	..	..	108	+2·5	73·40	+2·01	3·95
..	..	..	..	..	..	..	..	..	..	14	—11·7	6·32	—7·85	1·70
1	+0·2	0·19	—0·06	0·18	1	—1·9	0·20	—0·98	0·30	19	—1·5	8·62	—0·12	1·49
4	+1·4	1·90	—2·17	1·15	2	—0·5	0·46	—0·46	0·27	193	+4·0	122·30	—47·76	4·30
5	+2·2	2·31	+1·23	1·01	3	+1·4	0·74	+0·19	0·50	156	—1·2	59·12	—6·07	1·36
..	..	..	..	..	..	..	..	..	..	65	..	46·74	..	4·09
..	..	..	..	..	..	..	..	..	..	96	..	82·67	..	3·61
0	..	0	..	0	1	..	0·24	..	0·24	84	..	110·28	..	6·43
0	—0·9	0·05	—0·30	0·05	2	—0·6	0·51	—0·51	0·27	47	—2·2	21·59	—1·52	2·06
2	..	0·73	..	0·30	0	..	0·04	..	0·04	116	..	266·67	..	12·88

APPENDIX.

Climatic Tables of Kodaikanal and Madras for 1930 and tables of extra observations taken during the year at Lahore, Bombay and Trivandrum.

TABLE I.

Height of Barometer cistern above mean sea level 7,688 feet.

Mean Monthly and Annual Meteorological Results at the Kodaikanal Observatory in 1930.

Latitude—10° 13′ 50″ N

Longitude—5h 9m 52s E

—	Barometer.		Dry Bulb Thermometer.				Wet Bulb.	Tension of Vapour.	Relative Humidity.	Min. on Grass.	Wind.			Rain.		Clear Sky.	Bright Sunshine.
	Reduced to 32°.	Daily Range.	Mean.	Max.	Min.	Range	Mean.	By Blanford's Tables.			Daily Velocity	Mean Direction.		Amount.	Days.		
	Inches.	Inches.	°	°	°	°	°	Inches.	Cents.	°	Miles.	Points.	Points.	Inches.	No.	Cents.	
January	22·859	0·075	54·7	63·8	47·1	16·7	47·2	0·249	59	39·0	256	7	N. E. by E.	1·72	2	58	229·1
February	·876	·073	56·6	64·9	48·0	16·9	48·9	·282	64	40·8	188	4	N. E.	2·17	5	60	200·8
March	·852	·072	59·1	69·8	50·0	19·8	49·4	·253	51	42·2	206	3	N. E. by E.	0·56	1	50	216·4
April	·838	·070	60·5	70·3	52·4	17·9	54·0	·351	67	45·1	193	4	N. E.	2·52	6	47	206·9
May	·814	·067	60·5	68·7	53·9	14·8	54·0	·350	67	47·1	209	4	N. E.	8·42	7	52	207·1
June	·775	·061	58·3	65·4	53·6	11·8	53·2	·378	78	48·6	233	26	W. N. W.	4·34	9	19	104·6
July	·791	·058	57·3	64·9	51·9	13·0	52·3	·348	74	48·5	246	26	W. N. W.	1·40	3	29	171·9
August	·795	·060	56·9	63·8	52·0	11·8	53·7	·337	82	48·6	193	30	N. N. W.	4·84	12	23	123·7
September	·808	·073	57·0	63·5	52·1	11·4	53·8	·342	83	47·9	198	28	N. W.	11·61	14	27	123·0
October	·824	·076	56·1	62·0	51·4	10·6	54·3	·402	92	47·9	190	3	N. E. by N.	25·99	26	14	87·5
November	·862	·073	55·6	61·9	50·6	11·3	53·1	·378	90	43·0	145	30	N. N. W.	7·13	13	20	103·5
December	·875	·069	55·4	63·7	48·4	15·3	49·6	·276	67	42·2	214	4	N. E.	4·21	4	62	222·1
Annual	22·831	0·069	57·3	65·2	50·9	14·3	52·0	0·329	73	45·1	206	1	N. by E.	74·91	102	38	1996·6

Extreme Monthly Meteorological Records, at the Kodaikanal Observatory in 1930.

—	Barometer.					Dry Bulb Thermometer.				Humidity.		Grass Therm.		Wind.				Rain.	
	Highest.		Lowest.		Range.	Highest.		Lowest.		Lowest.		Lowest.		Highest.		Lowest.		Greatest Fall.	
	Inches.	Day.	Inches.	Day.	Inches.	°	Day.	°	Day.	Cents.	Day.	°	Day.	Miles.	Day.	Miles.	Day.	Inches.	Day.
January	22·947	11	22·759	1	0·188	70·8	15	41·4	1	10	14	27·9	1	374	26	137	31	0·75	8
February	*·968*	*22*	·775	4	·193	70·4	28	42·4	19	6	*26*	*26·9*	*20*	319	19	80	3	0·84	7
March	·920	30	·783	24	·137	72·8	16	43·7	1	9	1	35·1	8	302	18	128	10	0·50	29
April	·915	4	·738	27	·177	73·2	25	48·2	2	26	17	39·6	2	300	24	117	21	0·84	23
May	·933	24	*·596*	*8*	·337	*73·3*	*30*	49·6	8	31	19	40·6	19	*663*	*7*	89	28	*4·63*	8
June	·876	12	·666	26,30	·210	69·8	11	51·5	27	40	2	44·3	11	426	29	86	13	0·95	14
July	·856	16	·713	23	·143	69·4	9	49·4	1	41	17	46·3	11	545	1	90	11	0·59	12
August	·885	9	·704	1	·181	69·3	10	49·6	10	52	10	43·5	11	414	1	59	14	0·61	20
September	·918	20	·694	10	·224	67·3	16	49·4	25	48	24,25	40·2	26	437	10	50	29	2·66	2
October	·941	6	·693	24	·248	67·3	2	48·2	18	54	29	42·0	29	472	23	52	31	2·24	14
November	·942	16	·700	30	·242	68·2	14	46·1	28	10	13	32·0	24	310	29	*35*	*1*	1·79	9
December	·963	17	·736	1	·227	69·1	19	*39·3*	*21*	7	17	29·3	21	406	2	90	26	2·52	2

The extreme values in each column is given in italics.

TABLE II.

Kodaikanal mean hourly wind velocity for the year 1930.

Month.	Hours (local time).																							
	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	12	11	12	11	11	11	12	12	12	12	13	12	12	10	9	8	7	7	9	10	11	12	12	12
February	10	9	9	9	9	9	9	8	8	9	9	9	8	8	7	6	5	5	5	6	7	8	9	9
March	9	9	9	10	9	9	10	9	10	10	11	11	10	9	9	7	6	6	6	6	7	7	8	9
April	9	9	8	9	9	9	9	8	9	9	9	9	8	8	7	7	7	6	6	7	7	8	7	8
May	9	9	9	9	9	9	8	8	8	9	9	10	9	8	8	8	9	8	9	9	9	8	9	9
June	11	11	11	11	10	10	10	9	9	9	10	9	9	8	9	8	9	8	10	10	11	10	11	11
July	12	12	12	12	13	12	12	10	9	9	9	8	8	7	7	8	8	9	9	11	12	11	12	13
August	10	9	9	10	9	10	9	9	7	8	7	7	7	7	6	6	6	6	7	8	8	8	9	9
September	9	9	9	10	10	9	8	8	8	8	8	8	7	7	7	8	8	8	8	8	8	9	9	8
October	8	7	8	8	9	8	9	8	8	8	9	8	8	8	8	8	8	8	8	8	8	7	7	7
November	7	7	7	7	7	6	6	6	6	6	6	6	9	6	5	5	5	6	6	6	6	6	7	7
December	10	10	9	9	9	10	10	10	10	10	10	10	8	7	7	6	5	6	8	8	9	9	10	10
Mean	10	9	9	10	10	9	9	9	9	9	9	9	9	8	7	7	7	7	8	8	9	9	9	9

TABLE III.

Kodaikanal mean hourly bright Sunshine for the year 1930.

Month.	Hours (local time).											
	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	0·03	0·65	0·76	0·80	0·77	0·75	0·75	0·73	0·66	0·64	0·56	0·28
February	·25	·76	·81	·88	·80	·79	·67	·54	·49	·49	·45	·25
March	·21	·67	·79	·87	·88	·89	·79	·63	·50	·34	·30	·11
April	·24	·72	·88	·94	·89	·83	·62	·53	·46	·40	·29	·10
May	·26	·74	·80	·81	·80	·76	·71	·54	·43	·41	·29	·13
June	·10	·43	·45	·44	·33	·39	·39	·37	·28	·18	·08	·03
July	·16	·60	·65	·68	·68	·56	·52	·44	·47	·39	·31	·10
August	·13	·46	·65	·65	·54	·38	·37	·26	·17	·17	·14	·06
September	·28	·50	·52	·51	·51	·45	·36	·33	·23	·21	·20	·01
October	·08	·26	·41	·40	·33	·33	·27	·25	·22	·25	·05	·01
November	·10	·31	·40	·40	·48	·37	·32	·32	·30	·27	·15	·03
December	·05	·65	·75	·75	·79	·78	·75	·70	·68	·64	·49	·13
Mean	0·16	0·56	0·66	0·68	0·65	0·61	0·54	0·47	0·41	0·37	0·28	0·10

TABLE IV.

Kodaikanal Number of days in each month on which the Nilgiris were visible in 1930.

Month.	Very clear.	Visible.	Just visible.	Tops only visible.	TOTAL.
January	9	1	3	..	13
February	5	4	3	..	12
March	3	..	6	..	9
April	..	3	3	..	6
May	..	..	3	..	3
June	6	7	1	..	14
July	..	4	1	..	5
August	..	3	2	..	5
September	12	4	..	..	16
October	11	3	3	..	17
November	10	3	..	..	13
December	10	7	..	1	18
TOTAL	66	39	25	1	121

TABLE V.

Madras Observatory :—Monthly and Annual abnormals of the meteorological elements for the year 1930.

Abnormals of	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November.	December.	Annual.
Atmospheric pressure . .	—·026	+·010	—·030	—·002	—·001	+·003	—·003	—·011	+·013	+·021	—·015	+·003	—·006
Temperature of air . . .	+0·5	+1·1	+0·8	+0·5	—1·0	—1·4	+2·6	+1·8	+1·0	+0·5	—0·7	+0·8	+0·5
Temperature of evaporation .	+1·4	+1·0	+0·7	+1·4	+0·2	+0·8	—0·4	+0·1	+0·5	+1·2	+0·3	+1·3	+0·8
Percentage of humidity . .	+4	+1	—1	—1	+5	+6	—8	—5	—1	+9	+4	+2	+1
Maximum in shade . . .	—1·2	—0·9	+1·0	+0·1	—0·9	—2·3	+2·4	+2·3	+0·5	—3·0	—2·5	—0·3	—0·4
Minimum in shade . . .	+0·9	+2·1	+0·4	+0·2	—1·7	—1·2	+2·0	+0·8	—0·1	—0·3	—0·4	+0·9	+0·3
Minimum on grass . . .	+1·3	+2·7	+0·1	+0·4	—1·3	—1·2	+1·7	+0·7	—0·4	+1·3	+1·0	+1·2	+0·7
Rainfall in inches . . .	+0·58	+1·93	—0·38	—0·62	+6·02	+0·99	—2·70	—0·90	—0·81	+19·01	+7·83	—1·28	+29·67
Rainfall since January 1st . .	+0·58	+2·51	+2·13	+1·51	+7·53	+8·52	+5·82	+4·92	+4·11	+23·12	+30·95	+29·67	+29·67
General direction of wind . .	2 points E	1 point S	1 point E	1 point E	1 point S	1 point S	Normal	1 point W	1 point S	3 points N	1 point N	Normal	Normal
Daily velocity in miles . .	—24	+ 2	—23	—23	—42	—40	—14	—14	—3	—8	+8	—57	—20
Percentage of cloudy sky . .	+8	+17	+10	+5	+12	+13	—6	Normal	—4	+ 14	+13	+3	+7
Percentage of bright sunshine .	+2·5	—9·8	+5·5	+10·3	—2·7	—2·9	+13·7	+9·9	+19·9	—11·1	—7·3	+4·1	+2·7

+ means above normal. — means below normal.

TABLE VI.

Madras Observatory :—Number of hours of wind from each point in the year 1930.

Month.	N	1	2	3	4	5	6	7	E	9	10	11	12	13	14	15	8	17	18	19	20	21	22	23	W	25	26	27	28	29	30	31	Calm	Total.
January	37	96	54	45	19	50	29	36	72	66	71	68	17	12	19	..	2	1	2	2	1	2	2	..	1	..	..	..	..	..	10	21	14	744
February (a)	8	9	38	41	25	55	52	81	43	59	29	66	27	42	17	4	3	3	4	4	1	1	2	1	1	..	6	1	..	7	5	4	14	648
March (b).	4	..	2	5	9	16	10	70	29	74	52	114	103	101	15	8	16	32	22	18	7	..	1	1	3	..	..	..	..	..	..	2	11	720
April .	..	..	..	..	..	..	1	34	30	18	112	145	120	104	41	29	25	28	13	6	..	..	..	..	..	..	..	..	..	..	..	..	14	720
May .	..	..	..	4	2	3	11	16	6	8	16	35	70	78	63	65	39	80	56	26	22	27	22	26	15	21	4	9	..	15	1	..	4	744
June .	..	1	4	2	1	..	..	4	2	2	5	12	36	49	54	50	38	54	82	59	40	50	44	49	30	22	16	7	3	1	..	2	1	720
July .	3	..	1	..	4	..	2	5	11	9	27	18	18	16	25	21	28	40	36	19	13	31	96	74	58	86	63	17	10	8	3	2	..	744
August .	3	1	5	1	1	3	9	7	7	10	49	52	22	26	35	14	12	24	61	29	41	45	84	40	25	42	36	12	7	21	17	2	1	744
September (c)	1	..	2	..	1	2	2	5	10	6	8	68	64	35	34	34	25	31	47	32	30	32	63	59	28	19	9	9	5	2	2	..	7	672
October .	51	46	53	51	20	44	66	38	17	11	36	45	47	35	15	15	7	4	5	4	..	3	2	1	..	4	2	4	4	14	27	59	14	744
November	59	98	58	17	18	7	27	9	8	4	5	17	22	1	7	1	3	2	3	4	..	1	..	..	..	..	1	18	34	38	111	135	17	720
December	115	111	124	95	41	27	28	46	18	12	11	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5	2	35	64	10	744
Annual .	281	362	336	261	141	207	237	351	253	279	421	635	546	499	325	241	198	299	331	198	155	192	316	251	161	194	137	72	68	108	211	291	107	

(a) Wind recorded for 27 days only.
(b) ,, ,, 30 ,,
(c) ,, ,, 28 ,,

TABLE VII.

Madras Observatory :—Number of miles of wind from each point in the year 1930.

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
January	277	694	289	316	203	286	88	131	229	232	195	276	101	55	60	..	6	3	10	10	3	8	10	..	3	..	..	..	..	..	50	166	3,701
February (a)	39	54	167	262	174	261	327	478	214	316	143	279	119	146	118	33	16	17	29	27	5	5	7	3	9	..	16	7	..	34	15	29	3,349
March (b)	17	..	18	46	55	57	63	175	105	346	358	549	655	669	92	49	103	245	131	71	37	..	6	4	6	..	..	..	..	..	..	5	3,860
April	..	..	..	..	..	..	7	178	207	78	619	772	1,055	997	333	210	203	248	103	47	..	..	..	..	..	..	..	..	..	..	..	..	5,057
May	..	..	..	30	19	29	89	150	73	64	108	193	594	691	549	558	283	557	353	168	163	182	162	227	141	139	36	54	..	101	9	..	5,722
June	..	5	23	12	4	..	..	23	10	18	36	94	343	390	543	445	296	320	519	373	273	361	340	392	210	158	121	49	18	7	..	12	5,395
July	19	..	8	..	20	..	9	38	97	59	200	143	148	129	1[illegible]1	165	145	229	195	108	82	185	815	666	561	766	455	114	73	58	16	14	5,703
August	13	8	34	9	7	11	69	49	58	81	325	375	119	222	245	91	57	131	2[illegible]6	179	258	297	524	367	222	334	285	93	40	76	73	13	4,951
September (c)	5	..	10	..	5	6	11	33	76	40	56	353	440	295	216	209	134	170	262	170	183	257	491	384	170	131	62	50	27	7	15	7	4,275
October	241	235	327	217	138	289	326	237	88	61	157	129	218	173	49	46	32	29	22	24	..	12	10	6	..	16	8	18	21	62	103	265	3,559
November	594	825	320	154	82	41	130	45	58	39	54	148	128	5	58	7	25	14	19	39	..	4	..	..	..	..	5	30	183	280	883	1,006	5,176
December	718	582	592	649	187	154	99	158	68	55	27	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	14	14	207	390	3,914
Annual	1,923	2,403	1,788	1,695	894	1,134	1,218	1,695	1,283	1,389	2,278	3,311	2,920	3,772	2,454	1,818	1,300	1,933	1,929	1,216	1,004	1,311	2,365	2,049	1,322	1,544	988	415	376	639	1,371	1,907	54,669

(a) Wind recorded for 27 days only. (b) Wind recorded for 30 days only. (c) Wind recorded for 28 days only.

TABLE VIII.

Madras Observatory :—Number of inches of rain from each point in the year 1930.

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	TOTAL
Jan.	0·25	0·78	0·23	0·12	0·02	0·01	0·06	..	..	..	..	..	..		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1·47
Feb.	0·01	0·41	0·03	0·03	0·05	0·05	..	0·01	..	..	..	0·03	0·22	..	..	..	..	..	..	..	..	..	..	..	0·88	..	0·15	0·19	..	0·15	..	..	..	2·21
Mar.	..	..	..	..	..	..	..	..	..	..	..	..	..	0·01	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0·01
April	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
May	..	..	..	0·01	0·09	1·08	1·11	0·28	0·57	0·02	0·55	0·11	0·30	..	..	1·78	0·53	0·92	0·04	0·02	0·03	0·70	..	..	..	..	..	..	..	..	..	..	..	8·14
June	..	..	0·41	..	..	..	..	..	..	..	..	..	..	..	0·01	0·02	0·94	..	0·07	0·13	..	0·01	..	1·17	0·05	0·13	0·16	..	..	..	..	..	..	3·10
July	0·01	..	..	..	..	..	..	..	..	0·01	..	..	..	..	..	..	..	0·05	..	0·04	..	..	0·10	0·02	0·36	..	0·36	0·11	0·11	..	..	..	..	1·17
Aug.	1·03	..	..	..	..	0·13	..	..	0·04	..	0·07	0·01	..	..	..	..	0·01	0·01	..	..	0·17	1·00	0·43	0·02	0·02	..	0·05	..	0·12	..	0·50	..	..	3·66
Sept.	..	..	..	..	..	..	0·01	..	0·72	0·01	..	0·01	0·01	..	0·04	0·40	0·57	0·14	0·83	..	..	0·08	0·41	0·17	0·21	..	0·01	0·02	0·24	..	..		..	3·88
Oct.	1·36	2·90	3·45	1·64	2·18	1·70	2·18	1·14	0·41	0·27	1·83	63	0·50	0·42	0·13	1·27	..	..	..	1·07	..	..	0·84	0·11	..	..	0·88	..	0·41	2·43	1·74	0·54	..	30·01
Nov.	1·05	3·33	2·11	0·46	0·40	..	0·87	0·41	1·69	0·37	1·50	0·32	0·72	1·13	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1·14	1·29	2·83	1·42	..	21·04
Dec.	0·34	0·22	0·94	0·19	0·31	0·27	0·37	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1·18	..	0·01	0·17	..	4·00
Annual	4·10	7·64	7·15	2·45	3·05	3·24	4·60	1·84	3·43	0·68	3·95	1·11	1·75	1·56	0·18	3·47	2·05	1·12	0·94	1·26	0·20	1·79	1·78	1·49	1·52	0·13	1·61	0·32	3·20	3·87	5·08	2·13	..	78·69

TABLE IX.

Madras Observatory :—Wind, cloud and bright sunshine in 1930.

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 . .	80·2	N.E. by E.	4·6	5·7	4·5	3·2	4·5	7·8	10·1	
February . .	87·3	E. by S.	3·8	5·0	4·2	3·5	4·1	8·3	11·3	
March . .	95·7	S. E.	4·2	4·5	2·9	1·9	3·4	9·6	11·1	
April . . .	149·5	S. E.	4·7	4·2	3·0	1·9	3·5	10·0	11·5	
May . . .	62·2	S. S. E.	5·7	5·4	5·3	3·8	5·0	7·2	11·0	
June . . .	119·3	S.S.W.	7·9	7·7	7·8	4·8	7·1	4·8	10·7	
July . . .	104·3	W.S.W.	6·2	6·5	7·8	5·4	6·5	5·8	10·6	
August . .	67·3	S.W. by S.	7·4	6·9	7·7	4·6	6·7	5·9	11·1	
September . .	88·2	S.S.W.	5·8	5·9	6·5	4·9	5·8	7·4	11·3	
October . .	64·3	N.E. by E.	8·3	8·3	6·7	5·8	7·3	4·5	10·8	
November . .	126·6	N.	7·1	7·5	8·0	6·2	7·2	4·4	10·4	
December . .	111·1	N.N.E.	4·9	6·5	5·7	4·8	5·5	6·5	10·0	
Annual . .	27·5	S. E.	5·9	6·2	5·8	4·2	5·6	6·9	..	

TABLE X.

Mean Monthly and Annual Meteorological Results at the Madras Observatory in 1930.

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.	By Simpson's Tables.			Daily Velocity.	Mean Direction.		Amount.	Days.		
	Inches.	Inches.	°	°	°	°	°	Inches.	Cents.	°	Miles.	Points.	Points.	Inches.	No.	Cents.	Hours.
January	29·972	0·126	75·6	83·4	68·4	15·0	70·6	0·682	77	64·4	120	7	E. by N.	1·47	5	45	242·1
February	·974	·123	77·8	85·7	70·1	15·6	71·8	·701	74	66·5	124	9	E. by S.	2·21	6	41	233·5
March	·874	·136	80·8	90·2	72·5	17·7	74·6	·770	73	68·7	129	11	S. E. by E.	0·01	1	34	296·6
April	·818	·129	84·5	93·0	77·4	15·6	78·0	·870	73	75·1	168	12	S. E.	..	..	35	299·9
May	·732	·123	85·7	96·9	79·1	17·8	78·5	·876	72	77·6	185	16	S.	8·14	5	50	222·8
June	·698	·119	85·0	96·0	79·1	16·9	76·8	·810	68	77·4	180	18	S. S. W.	3·10	12	71	143·9
July	·714	·121	87·1	98·0	80·5	17·5	78·3	·726	57	78·3	184	20	S. W.	1·17	9	65	181·3
August	·736	·113	85·1	96·0	78·1	17·9	76·1	·778	65	76·1	160	18	S. S. W.	3·66	10	67	184·1
September	·764	·133	84·0	93·7	77·0	16·7	76·8	·824	71	74·6	153	17	S. by W.	3·88	11	58	223·1
October	·858	·121	81·1	86·0	74·9	11·1	76·8	·881	87	74·1	115	8	E.	30·01	26	73	141·0
November	·909	·104	76·8	82·5	71·9	10·6	73·2	·771	83	70·5	173	1	N. by E.	21·04	19	72	131·6
December	·981	·108	76·3	83·3	70·7	12·6	71·9	·723	79	67·6	126	2	N. N. E.	4·00	11	55	200·3
Annual	29·836	0·121	81·6	90·4	75·0	15·4	75·3	0·784	73	72·3	151	12	S. E.	78·39	115	56	2,500·2

Extreme Monthly Meteorological Records at the Madras Observatory in 1930.

Month.	Barometer.					Dry Bulb Thermometer.				Humidity.		Grass Therm.		Wind.				Rain.	
	Highest.		Lowest.		Range.	Highest.		Lowest.		Lowest.		Lowest.		Highest.		Lowest.		Greatest Fall.	
	Inches.	Day.	Inches.	Day.	Inches	°	Day.	°	Day.	Cents.	Day.	°	Day.	Miles.	Day.	Miles.	Day.	Inches.	Day.
January	*30·111*	*11*	29·849	15	0·292	86·2	27	62·7	13	57	23, 25	59·1	13	142	8	63	15	1·19	6
February	·116	15	·739	4	·377	91·0	27	*60·4*	*28*	*23*	*27*	*55·2*	*28*	188	21	64	24	1·03	5
March	·013	22	·739	9	·274	94·2	10	67·0	1	35	4	62·1	1	199	9	62	3	0·01	23
April	29·968	14	·615	27	·353	101·1	23	72·9	13	49	23	69·2	13	259	24, 26	109	15	..	..
May	·902	23	*·503*	*10*	·399	*106·5*	*30*	73·3	8	29	15	73·3	8	237	21	114	9	3·65	7
June	·836	8	·569	26	·267	105·7	5	74·0	28	36	4	72·1	28	271	6	111	18	1·27	20
July	·815	28	·584	21	·231	102·1	14, 15	74·9	30	28	6, 21	73·4	3	263	1	105	30	0·69	30
August	·867	9	·564	4, 5	·303	101·0	13	73·5	30	32	11	72·1	14, 24	198	11	68	30	1·80	30
September	·918	2	·584	10	·334	98·8	25	73·2	7	30	23	72·1	20	207	10	100	14	1·26	7
October	30·003	7	·717	1	·286	91·1	6	72·4	1	63	6	71·6	1	268	23	48	28	*6·29*	*23*
November	·057	12	·646	29	·411	89·3	18	65·4	13	58	13	62·3	13	*152*	*29*	*33*	*20*	4·01	28
December	·082	7	·807	1	·275	85·1	26, 29	64·1	19	54	13	60·1	19	245	24	55	9	1·36	1

The extreme value in each column is shown in italics.

TABLE XI.

Monthly and Annual means of Meteorological Observations made at the Madras Observatory at 20 hrs. (local time) in the year 1930.

Month.	Barometer reduced to 32°F.	Dry Bulb.	Wet Bulb.	Vapour Tension.	Humidity.	Cloud.	Wind Direction.
	"	°	°				
January	29·985	74·4	70·6	0·698	82	3·2	E.N.E.
February	·982	77·0	71·5	·716	77	3·5	E.
March	·877	79·8	75·1	·808	79	1·9	E.S.E.
April	·817	83·6	78·3	·898	78	1·9	S.E.
May	·732	84·1	79·6	·950	81	3·3	S.S.E.
June	·698	83·0	77·7	·876	78	4·8	S.
July	·710	85·1	76·9	·831	69	5·4	S.
August	·736	83·6	78·0	·883	77	4·6	S.S.E.
September . . .	·772	82·8	77·6	·873	78	4·9	S.
October	·874	79·2	76·9	·887	89	5·8	E.N.E.
November . . .	·933	76·0	73·5	·794	88	6·2	N.N.E.
December . . .	30·004	74·9	72·0	·747	86	4·8	N.N.E.
Annual	29·843	80·3	75·6	0·830	80	4·2	E.S.E.

TABLE XII.

Mean hourly wind velocity recorded by the Dines Pressure Tube anemometer at the Madras Harbour for the year 1930.

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	9	8	7	7	7	7	7	8	7	6	7	7	8	8	8	9	9	9	10	10	10	10	9	9	196
February	9	8	8	8	7	7	7	7	6	6	7	6	8	8	8	9	9	9	9	10	10	10	9	9	194
March	7	7	5	4	4	5	4	4	5	5	6	7	8	8	9	9	8	8	8	8	8	8	7	7	159
April	No record as the instrument was dismantled for changing tubes.																								
May																									
June																									
July	10	11	10	10	10	10	10	11	13	13	13	13	13	13	13	12	11	10	9	9	10	11	11	10	266
August	9	10	9	9	10	9	8	10	11	12	12	11	11	11	11	11	11	10	10	11	10	10	9	10	245
September	11	10	10	10	9	9	8	9	9	9	10	10	11	12	12	12	12	11	12	11	10	11	10	10	248
October	9	9	9	8	8	8	8	8	8	8	8	9	11	11	11	11	11	11	12	11	11	11	11	10	232
November	10	10	10	10	10	11	10	10	12	11	12	12	13	14	15	15	14	12	12	10	10	10	11	10	274
December	5	5	6	6	5	5	5	5	5	6	7	8	9	9	9	9	9	8	8	8	8	8	8	7	165
Annual	9	9	8	8	8	8	8	8	8	8	9	9	10	10	11	11	10	10	10	10	10	10	9	9	220

TABLE XIII.

Monthly means of the Meteorological Observations recorded at the Lahore Observatory at 6 hrs. and 22 hrs. (local time) in the year 1930.

Month.	Barometer reduced to 32°F.		Dry Bulb (Corrected).		Wet Bulb (Corrected).		Humidity. %		Cloud Amount.	
	6 hrs.	22 hrs.	6 hrs.	22 hrs.	6 hrs.	22 hrs.	6 hrs.	22 hrs.	6 hrs.	22 hrs.
January	29·292	29·305	43·0	49·8	41·9	47·8	91	85	5·23	3·29
February	29·278	29·307	49·6	56·8	47·6	53·3	86	79	4·67	1·25
March	29·119	29·143	56·7	66·6	52·6	59·4	75	64	3·23	0·42
April	29·047	29·061	66·2	74·5	60·6	65·4	72	61	4·77	2·03
May	28·945	28·921	76·6	85·9	66·8	71·1	58	46	2·68	1·97
Jun	28·834	28·798	81·7	88·7	72·9	76·0	64	55	2·20	1·30
July	28·792	28·839	80·6	85·8	78·8	81·9	92	84	6·13	1·61
August	28·838	28·835	81·1	87·3	77·2	80·4	83	73	2·51	1·26
September	29·007	28·988	73·1	79·6	69·8	73·8	84	75	0·17	0·67
October	29·167	29·170	63·4	71·8	58·6	63·7	74	64	1·45	0·52
November	29·314	29·328	48·6	57·0	46·8	53·3	87	77	0·77	0·10
December	29·331	29·360	41·5	49·4	39·9	46·2	86	77	1·71	0·29

TABLE XIV.

Monthly mean values of meteorological elements derived from hourly tabulations of autographic records at the Bombay Observatory in the year 1930.

Month.	Barometric pressure* reduced to 32°F.	Air temperature.	Relative Humidity.	Vapour pressure (in inches of mercury).
	In.	°F	%	In.
January	29·939	73·5	67	·555
February	·962	74·4	61	·525
March	·855	79·3	70	·697
April	·802	86·0	71	·800
May	·784	85·8	71	·874
June	·661	83·2	81	·909
July	·711	81·2	83	·884
August	·750	80·3	81	·837
September	·790	80·5	84	·876
October	·846	82·9	78	·871
November	·937	79·5	69	·696
December	·956	77·4	65	·616
Year	29·833	80·1	73	·762

* Reduced to Calcutta H standard.

TABLE XV.

Monthly means of Meteorological Elements at Trivandrum for 1930.

Month.	Newman's Barometer reduced to 32° F.			Dry Bulb Thermometer.			Wet Bulb Thermometer.			Vapour Pressure.			Humidity.			Clouds.			Hours of Bright Sunshine.	Maximum in Sun.	Average wind Velocity.	Maximum in Shade.	Minimum in Shade.
	Hrs. 6	Hrs. 14	Hrs. 20	Hrs. 6	Hrs. 14	Hrs. 20	Hrs. 6	Hrs. 14	Hrs. 20	Hrs. 6	Hrs. 14	Hrs. 20	Hrs. 6	Hrs. 14	Hrs. 20	Hrs. 6	Hrs. 14	Hrs. 20					
	29	29	29																		miles.		
January	·728	·665	·743	73·8	83·8	76·8	69·8	74·9	74·6	·692	·749	·784	79	66	77	43	39	22	8·9	134·6	120·1	84·1	74·1
February	·735	·690	·762	75·8	85·3	82·0	70·8	78·6	75·1	·697	·759	·798	78	61	74	26	22	19	9·4	139·5	152·6	86·0	74·7
March	·691	·631	·696	77·6	86·6	83·3	74·4	77·6	78·0	·803	·818	·877	84	65	77	60	50	40	8·9	139·6	157·1	87·2	77·2
April	·653	·597	·666	79·9	87·0	83·5	76·9	78·6	78·5	·881	·878	·906	86	65	79	66	55	60	8·1	138·2	160·7	87·4	79·0
May	·661	·612	·676	78·8	85·2	83·8	76·0	78·8	78·0	·864	·890	·899	89	76	83	65	66	49	7·4	138·6	231·3	85·4	77·4
June	·637	·605	·666	76·6	81·3	78·4	74·6	76·6	75·9	·830	·864	·879	92	86	90	94	98	90	2·4	130·1	177·3	82·5	75·6
July	·660	·621	·676	75·4	80·6	78·2	74·2	76·5	75·6	·802	·834	·842	91	78	85	84	81	61	6·8	133·2	286·1	85·0	75·8
August	·679	·632	·706	76·0	82·1	79·4	74·3	76·1	75·7	·849	·831	·840	93	78	84	93	86	65	7·1	134·3	274·4	82·8	75·5
September	·660	·614	·686	76·4	82·6	79·5	74·7	76·2	76·1	·820	·832	·846	92	77	86	64	66	80	5·8	134·6	223·0	82·5	75·8
October	·696	·648	·734	76·4	82·1	79·5	74·4	76·8	76·0	·818	·836	·836	92	78	87	72	88	72	4·8	136·4	128·7	82·4	76·2
November	·698	·630	·742	76·7	81·1	78·8	74·5	76·8	76·3	·838	·874	·880	87	78	88	61	74	86	6·2	133·5	102·0	81·1	76·1
December	·765	·680	·788	75·2	82·6	80·4	72·2	76·2	75·8	·765	·786	·822	88	76	83	20	32	21	8·0	134·2	111·4	84·1	74·4

NOTE.—The hours given above refer to local time.

TABLE XVI.

Frequency of wind-direction at Trivandrum for 1930.

Direction.	Serial No.	January.			February.			March.			April.			May.			June.			July.			August.			September.			October.			November.			December.		
			14	20	6	14	20	6	14	20	6	14	20	6	14	20	6	14	20	6	14	20	6	14	20	6	14	20	6	14	20	6	14	20	6	14	20
Calm		..	..	14	2	..	12	3	..	13	5	1	13	1	..	5	2	..	6	3	..	..	3	..	..	3	..	3	16	3	17	21	..	17	4	1	25
NNE		..	..	1	..	..	..	2	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	2	1	..
NE		14	..	1	14	..	1	9	..	1	7	..	3	..	..	..	1	2	1	..	..	..	..	..	..	1	..	..	1	..	..	2	..	3	14	..	2
ENE		..	..	..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..
E	4	2	1	1	1	..	..	..	..	1	2	1	1	..	..	..	3	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	3	6	..	2
ESE	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..
SE	6	2	..	1	..	..	..	..	1	1	..	..	1	..	..	..	..	1	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..
SSE	7	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
S	8	..	7	2	..	2	..	..	..	1	..	..	..	..	..	..	2	2	..	..	..	..	..	..	..	..	3	1	..	..	..	..	..	..	1	1	..
SSW	9	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	..
SW	10	..	17	..	..	19	2	..	20	1	..	15	1	1	7	..	..	4	..	..	1	..	..	1	..	1	1	2	..	9	2	..	12	..	..	16	..
WSW	11	..	3	1	..	2	..	..	4	2	..	2	..	..	1	..	..	..	1	..	..	..	..	..	..	..	2	..	..	2	..	..	3	..	..	1	..
W	12	..	2	6	..	5	5	..	5	7	..	9	2	2	21	18	1	14	11	..	25	6	..	25	6	6	13	5	..	17	3	..	13	4	..	7	1
WNW	13	..	..	..	..	..	1	..	..	2	..	1	2	..	..	5	1	..	..	..	..	5	..	..	5	..	1	2	..	..	..	..	..	..	..	..	..
NW	14	..	..	2	..	..	7	..	..	1	2	1	6	..	1	3	3	3	5	2	4	15	2	4	15	5	7	13	1	..	5	..	2	..	..	..	..
NNW	15	..	..	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	2	..	..	3	..	..	3	..	..	..	..	..	..	..	..	1	..	..	..
N	16	8	..	1	11	..	..	14	..	..	14	..	1	26	1	..	17	4	3	26	1	2	26	1	2	13	1	2	13	..	2	6	..	1	4	..	..
TOTAL	..	31	31	31	28	28	28	31	31	31	30	30	30	31	31	31	30	30	30	31	31	31	31	31	31	30	28*	30	31	31	31	30	30	30	31	31	31

* No observations at 14 hrs. on the 5th and 7th September.

NOTE.—The hours given above refer to local time.

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GOVERNMENT OF INDIA

METEOROLOGICAL DEPARTMENT

INDIA WEATHER REVIEW

ANNUAL SUMMARY FOR 1930

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SEISMIC RECORDS.

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Director General of Observatories

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Rama Krishna Bros., Opposite Vishrambag, Poona City.
S. P. Bookstall, 21, Budhwar, Poona.
Mangaldas & Sons, Booksellers and Publishers, Bhaga Talao, Surat.
The Standard Bock and Stationery Co., 32-33, Arbab Road, Peshawar.
The Students' Own Book Depôt, Dharwar.
Shri Shankar Karnataka Pustaka Bhandara, Malamuddi, Dharwar.
The Standard Bookstall, Karachi, Quetta, Delhi, Murree and Rawalpindi.
*Hossenbhoy Karimji and Sons, Karachi.
The English Bookstall, Karachi.
The Standard Bookstall, Quetta.
U. P. Malhotra & Co., Quetta.
J. Ray & Sons, 43, K. & L., Edwardes Road, Rawalpindi, Murree and Lahore.
The Standard Book Depôt, Lahore, Nainital, Mussoorie, Dalhousie, Ambala Cantonment and Delhi.
The North India Christian Tract and Book Society, 18, Clive Road, Allahabad.
Ram Narain Lal, Katra, Allahabad.
The Indian Army Book Depôt, Dayalbagh, Agra.
Narayan & Co., Meston Road, Cawnpore.
The Indian Army Book Depôt, Jullundur City—Daryaganj, Delhi.
Manager, Newal Kishore Press, Lucknow.
The Upper India Publishing House, Ltd., Literature Palace, Ammuddaula Park, Lucknow.
Rai Sahib M. Gulab Singh & Sons, Mufid-i-Am Press, Lahore and Allahabad.
Rama Krishna & Sons, Booksellers, Anarkali, Lahore.
Students Popular Depôt, Anarkali, Lahore.
The Standard Bookstall, Lahore.
The Proprietor, Punjab Sanskrit Book Depôt, Saidmitha Street, Lahore.
The Insurance Publicity Co., Ltd., Lahore.
The Punjab Religious Book Society, Lahore.
The Commercial Book, Co., Lahore.
The University Book Agency, Kachari Road, Lahore.
Manager of the Imperial Book Depôt, 63, Chandni Chowk Street, Delhi.
J. M. Jaina & Bros., Delhi.
Fono Book Agency, New Delhi and Simla.
Oxford Book and Stationery Company, Delhi, Lahore, Simla, Meerut and Calcutta.
Supdt., American Baptist Mission Press, Rangoon.
Burma Book Club Ltd., Rangoon.
S. C. Talukdar, Proprietor, Students & Co., Cooch Behar.
The Manager, The Indian Book Shop, Benares City.
Nandkishore & Bros., Chowk, Benares City.
The Srivilliputtur Co-operative Trading Union, Ltd., Srivilliputtur (S. I. R.).
Raghunath Prasad & Sons, Patna City.
The Students' Emporium, Patna.
K. L. Mathur & Bros., Guzri, Panta City.
Kamala Book Stores, Bankipore, Patna.
G. Banerjee & Bros., Ranchi.
M. C. Kothari, Raipura Road, Baroda.
The Hyderabad Book Depôt, Chaderghat, Hyderabad (Deccan).
S. Krishnaswamy & Co., Teppakulam P. O., Trichinopoly, Fort.
Karnataka Publishing House, Bangalore City.
Bheema Sons, Fort, Bangalore City.
Superintendent, Bangalore Press, Lake View, Mysore Road, Bangalore City.

AGENT IN PALESTINE :—Steimatzky, Jerusalem.

* Agent for publications on aviation only.

ERRATA TO "ANNUAL SUMMARY FOR 1929, PART E".

Under Agra, Table E_4, Page E21, ***read*** *the following instead of the data printed.*

Date.	Phase.	Time G. M. T.			Period (seconds).	Amplitude (μ). A_N	A_E	REMARKS.
1929.		H.	M.	S.				
October, 16th .	A_E							
	P	20	31	23	..	..	..	Moderate shock.
	S	20	34	55		..	..	
	L	20	37	20	..	..	..	
	M	20	40	1	13	..	34	
	F	21	20	34	..	..	..	
„ 16th .	A_N							
	e	20	31	27	..	..	..	Do.
	S	20	34	51	..	..	..	
	L	20	37	17	..	..	..	
	M	20	38	2	18	129	..	
	F	21	20	48	..	..	..	

ERRATA TO ANNUAL SUMMARY FOR 1930, PART E.

Page.	Date.	Line.	Column.	For.	Read.
E 2 .	May 5th (AE) .	4	Amplitude .	1285	>1285
„ .	„ 6th (AE) .	4	„ .	1265	>1265
E 3 .	July 2nd (AE) .	4	„ .	1583..	..>1583
„ .	„ (AN) .	4	„ .	..1226	>1226..
E 4 .	Sep. 21st-22nd (AN)	4	„ .	1134..	>1134..
E 6 .	Dec. 3rd (AE) .	4	„ .	..1200	..>1200
E 22 .	July 2nd (AN) .	1	Distance .	2	?
E 27 .	Year . . .	1	..	1929	1930
„ .	Dec. 14th . .	1	Distance .	..	?

MGIPC—M—VIII-3-125—12-11-31—200

ANNUAL SUMMARY, 1930.

PART E.

SEISMIC RECORDS.

STATION—AGRA.

φ=27° 10′ N ; λ=78° 05′ E ; h=169 m. *Subsoil*—Indo-Gangetic Alluvium.

Apparatus.—Two Omori-Ewing Horizontal Pendulum Seismographs.

(*Masses 50 kg.*)

TABLE E 1.

	V	To	G	$\frac{r}{To^2}$	
AN	22·5	21	1		From 1st January 1930 to 26th January 1930.
	26·9	21	1		From 27th January 1930 to 31st December 1930.
AE	27·8	27	1		From 1st January 1930 to 26th January 1930.
	27·4	29	1		From 27th January 1930 to 27th April 1930.
	24·9	29	1		From 28th April 1930 to 22nd July 1930.
	30	30	1		From 23rd July 1930 to 31st December 1930.

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude. (μ) AN.	Amplitude. (μ) AE.	Remarks.
1930.		H. M. S.				
Jan. 5th	AE. P	1 29 33	..	..	..	Distant shock.
	S	1 39 8	..	..	..	
	Fe	2 11 13	..	..	..	
„ 5th	AN. e	1 29 38	..	..	..	Do.
	eS	1 39 8	..	..	..	
„ 25th	AN. eP	1 46 54	..	..	..	Feeble shock.
	F	2 49 37	..	..	..	
„ 26th	AE. P	10 32 40	..	..	..	Slight shock.
	S	10 33 30	..	..	..	
	L	10 34 1	..	..	..	
	Me	10 35 6	..	..	..	
	F	10 52 48	..	..	..	
„ 25th	AN. P	10 32 46	..	..	..	Do.
	S	10 33 58	..	..	..	
	L	10 34 18	..	..	..	
	M	10 34 38	10	22	..	
	F	11 50 38	..	..	..	
Feb. 2nd	AE. P	15 8 40	..	..	..	Slight distant shock.
	S	15 18 15	..	..	..	
	F	16 0 10	..	..	..	
Feb. 2nd	AN. Pl	15 8 35	..	..	..	Slight distant shock.
	Sl	15 18 13	..	..	..	
	L	15 37 8	..	..	..	
	M	15 44 25	21	46	..	
„ 8th	AE. P	6 30 6	..	..	..	Slight shock
	S	6 34 9	..	..	..	
	L	6 36 24	..	..	..	
	M	6 36 44	..	..	..	
„ 8th	AN. P	6 29 54	..	..	..	Do.
	S	6 34 4	..	..	..	
	L	6 36 24	..	..	..	
	M	6 36 44	16	24	..	
„ 14th	AE. Pl	18 45 53	..	..	..	Do.
	Sl	18 52 28	..	..	..	
	F	19 25 3	..	..	..	
„ 14th	AN. Pl	18 45 53	..	..	..	Do.
	Sl	18 52 29	..	..	..	
	Le	19 0 23	..	..	..	
	F	19 28 38	..	..	..	
„ 23rd	AE. P	18 27 53	..	..	..	Do.
	S	18 34 50	..	..	..	
	Fe	19 22 25	..	..	..	
Feb. 23rd	AN. e	18 27 45	..	..	..	Slight shock.
	Se	18 34 40	..	..	..	
	Le	18 44 32	..	..	..	
	Fe	19 10 30	..	..	..	
„ 24th	AE. P	20 59 54	..	..	..	Do.
	S	21 6 24	..	..	..	
	F	21 22 4	..	..	..	
„ 24th	AN. P	21 0 4	..	..	..	Do.
	S	21 6 14	..	..	..	
	F	21 39 43	..	..	..	
Mar. 1st	AE. P	5 40 6	..	..	..	Do.
	Sl	5 41 46	..	..	..	
	L	5 42 26	..	..	..	
	F	5 49 36	..	..	..	
„ 1st	AN. Pl	5 39 58	..	..	..	Do.
	Sl	5 41 29	..	..	..	
	L	5 42 13	..	..	..	
	M	5 42 36	..	..	..	
	Fe	6 8 58	..	..	..	
„ 6th	AE. e	15 49 41	..	..	..	Feeble shock.
	F	16 58 41	..	..	..	

TABLE E 1—*contd.*

Date.	Phase.	Time G. M. T.	Perec. (Sec.).	Amplitude. (μ) An. Ae.	Remarks.
1930.		H. M. S.			
Mar. 9th	AE. e	8 57 12	..	.. ..	Feeble shock.
	eS	9 3 17	..	.. ..	
	Fe	9 41 7	..	.. ..	
,, 9th	AN. e	8 58 32	..	.. ..	Do.
	eS	9 2 50	..	.. ..	
	F	9 41 2	..	.. ..	
,, 10th	AE. Pe	16 35 2	..	.. ..	Do.
	F	17 2 47	..	.. ..	
,, 12th	AE. e	15 34 45	..	.. ..	Slight shock.
	S	15 38 35	..	.. ..	
	L	15 40 30	..	.. ..	
	F	15 48 0	..	.. ..	
,, 12th	AN. S	15 37 50	..	.. ..	Do.
	L	15 40 25	..	.. ..	
	M	15 42 40	..	.. ..	
	F	15 45 30	..	.. ..	
,, 15th	AN. e	7 1 28	..	.. ..	Feeble shock.
	F	8 1 48	..	.. ..	
,, 26th	AE. P	7 21 28	..	.. ..	Distant moderate shock.
	S	7 29 28	..	.. ..	
	L	7 41 23	..	.. ..	
	M	7 48 58	22	.. 164	
	F	9 1 33	..	.. ..	
,, 26th	AN. P	7 20 58	..	.. ..	Do.
	S	7 28 58	11	72 ..	
	Le	7 42 23	..	.. ..	
	M	7 51 38	17	111 ..	
	F	9 1 11	..	.. ..	
,, 26th	AE. Pe	11 40 56	..	.. ..	Distant slight shock.
	S	11 50 1	..	.. ..	
	F	12 22 46	..	.. ..	
,, 26th	AN. Pe	11 41 26	..	.. ..	Do.
	S	11 49 26	..	.. ..	
	eL	12 1 51	..	.. ..	
	F	12 23 11	..	.. ..	
,, 30th	AE. P	15 30 36	..	.. ..	Do
	S	15 39 16	..	.. ..	
	Le	15 51 16	..	.. ..	
	Me	15 58 17	26	.. ..	
	F	16 24 51	..	.. ..	

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude. (μ) An. Ae.	Remarks.
1930.		H. M. S.			
Mar. 30th	AN. Pe	15 31 21	..	.. ..	Distant slight shock.
	S	15 39 6	..	.. ..	
	Le	15 51 11	..	.. ..	
	M	15 59 11	20	.. ..	
	F	16 24 21	..	.. ..	
Apl. 10th	AN. P	14 26 44	..	.. ..	Moderate shock.
	Se	14 30 49	..	.. ..	
	L	14 31 34	..	.. ..	
	M	14 32 4	15	93 ..	
	F	15 12 9	..	.. ..	
,, 21st	AE. e	12 8 52	..	.. ..	Feeble shock.
	F	13 45 47	..	.. ..	
,, 21st	AN. e	12 9 30	..	.. ..	Do.
	F	13 53 47	..	.. ..	
,, 23rd	AE. P	21 53 15	..	.. ..	Distant slight shock.
	S	22 6 20	..	.. ..	
	M	22 22 50	15	.. 18	
	F	22 46 25	..	.. ..	
,, 23rd	AN.	Pen came off at 21 hrs. 46 mts. G.M.T.			
,, 26th	AE. P	16 29 34	..	.. ..	Distant moderate shock.
	S	16 39 4	..	.. ..	
	L	16 56 29	..	.. ..	
	M	17 5 24	20	.. 37	
	Fe	17 50 11	..	.. ..	
,, 26th	AN. P	16 29 29	..	.. ..	Do.
	S	16 39 1	..	.. ..	
	L	16 58 4	..	.. ..	
	M	17 4 59	20	74 ..	
	F	17 44 54	..	.. ..	
,, 26th	AN. e	19 11 28	..	.. ..	Slight shock.
	Se	19 12 43	..	.. ..	
	F	19 19 28	..	.. ..	
,, 28th	AE. P	18 38 3	..	.. ..	Moderate shock.
	S	18 41 38	..	.. ..	
	L	18 44 8	..	.. ..	
	M	18 45 58	18	.. 40	
	F	19 26 8	..	.. ..	

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude. (μ) An. Ae.	Remarks.
1930.		H. M. S.			
Apl. 28th	AN. eP	18 38 13	..	.. ..	Moderate shock.
	S	18 41 23	..	.. ..	
	L	18 43 38	..	.. ..	
	M	18 44 33	17	149 ..	
	F	19 21 8	..	.. ..	
May 1st	AE. P	1 6 10	..	.. ..	Distant slight shock.
	S	1 13 45	..	.. ..	
	Me	1 31 25	..	.. ..	
	F	1 41 25	..	.. ..	
,, 1st	AN. eP	1 6 10	..	.. ..	Do.
	Se	1 13 40	..	.. ..	
	M	1 31 10	..	.. ..	
	Fe	1 45 5	..	.. ..	
,, 5th	AE. iP	13 48 26	..	.. ..	Very severe shock.
	iS	13 52 9	14	.. 301	
	iL	13 58 39	22	.. 331	
	M	?	?	..1285	Motion of recording pen restricted at intervals due to side-stops for about 13 minutes.
,, 5th	AN.	Driving clock out of order.			
,, 8th	AE. Pi	22 38 15	..	.. ..	Severe shock.
	iS	22 43 25	19	.. ..	
	iL	22 48 0	35	.. ..	
	M	?	?	..1265	Motion of recording pen restricted at intervals due to side-stops for about 7 minutes.
,, 8th	AE. e	15 32 58	..	.. ..	Slight shock.
	S	15 44 13	..	.. ..	
	L	15 46 58	..	.. ..	
	M	15 54 3	..	.. ..	
	F	16 28 18	..	.. ..	
,, 8th	AN.	Driving clock out of order.			
,, 11th	AE. Pe	11 29 33	..	.. ..	Do.
	S	11 30 13	..	.. ..	
	L	11 30 38	..	.. ..	
	F	11 43 38	..	.. ..	
,, 11th	AN.	Driving clock out of order.			

TABLE E 1—*contd.*

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude. (μ) AN.	Amplitude. (μ) AE.	Remarks.
1930.		H. M. S.				
May 11th	AE. Pi	22 37 45	..	..	..	Slight shock.
	S	22 41 40	..	..	..	
	L	22 44 40	..	..	..	
	M	22 46 45	19	..	30	
	F	23 13 0	..	..	..	
,, 11th	AN.	Driving clock out of order.				
,, 14th	AE. e	19 50 58	..	..	..	Do.
	eS	19 54 28	..	..	..	
	M	20 0 8	..	..	..	
	F	20 25 17	..	..	..	
,, 14th	AN. e	19 50 55	..	..	..	Do.
	eS	19 54 15	..	..	..	
,, 14th	eL	19 56 5	..	..	..	
	M	19 58 27	19	21	..	
	F	20 23 58	..	..	..	
,, 19th	AE. e	15 14 48	..	..	..	Do.
	F	15 43 53	..	..	..	
,, 19th	AN. Pe	15 14 40	..	..	..	Do.
	M	15 30 11	14	..	..	
	F	15 51 45	..	..	..	
,, 20th	AE. Pe	11 27 13	..	..	..	Distant slight shock.
	Se	11 37 32	..	..	..	
	L	11 55 52	..	..	..	
	M	12 1 2	20	..	17	
	F	12 20 47	..	..	..	
,, 20th	AN	Driving clock stopped.				
June 4th	AE. e	7 32 31	..	..	..	Slight shock.
	F	7 56 51	..	..	..	
,, 4th	AN. ep	7 32 48	..	..	..	Do.
	eS	7 36 48	..	..	..	
	eF	7 39 26	..	..	..	
	M	7 42 58	13	..	..	
	Fe	8 22 29	..	..	..	
,, 4th	AE. eP	9 54 35	..	..	..	Distant slight shock.
	S	10 2 25	..	..	..	
	F	10 35 51	..	..	..	
,, 4th	AN. P	9 54 37	..	..	..	Do.
	S	10 2 18	..	..	..	
	eL	10 12 6	..	..	..	
	M	10 17 1	14	..	..	
	F	11 12 57	..	..	..	

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude. (μ) AN.	Amplitude. (μ) AE.	Remarks.
1930.		H. M. S.				
June 11th	AE. e	1 0 43	..	..	..	
	S	1 10 43	..	..	..	
	Fe	2 8 7	..	..	..	
,, 11th	AN. Pe	1 0 30	..	..	..	
	Fe	2 56 58	..	..	..	
,, 19th	AN. eP	13 16 41	..	..	..	Distant slight shock.
	eS	13 23 53	..	..	..	
	M	13 37 55	..	..	..	
	Fe	14 46 18	..	..	..	
,, 25th	AE. P	0 50 27	..	..	..	Slight shock.
	S	0 51 17	..	..	..	
	L	0 51 42	..	..	..	
	F	1 2 2	..	..	..	
,, 25th	AN. e	0 50 28	..	..	..	Do.
	S	0 50 59	..	..	..	
	L	0 51 38	..	..	..	
	F	1 5 28	..	..	..	
,, 25th	AN. P	22 40 18	..	..	..	
	F	23 50 8	..	..	..	
July 2nd	AE. iP	21 5 40	..	..	..	Severe shock in West Assam.
	S	21 7 45	..	..	..	
	L	21 9 5	..	..	..	
	M	?	?	1583	..	Motion restricted due to side-stops. Amplitudes of the order of 1500μ persisted for about 8 minutes.
,, 2nd	AN. P	21 5 45	..	..	..	Severe shock in West Assam.
	S	21 7 45	..	..	..	
	L	21 8 47	..	..	..	
	M	?	?	..	1226	Motion of recording pen restricted due to side-stops for about 1 minute.

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude. (μ) AN.	Amplitude. (μ) AE.	Remarks.
1930.		H. M. S.				
July 3rd	AE. P	0 20 58	..	..	..	After shock of slight intensity.
	S	0 22 53	..	..	..	
	L	0 24 13	..	..	..	
	M	0 24 48	3	..	161	
	F	Lost in ch	anging	Drum.		
,, 3rd	AN. P	0 20 57	..	..	..	Do.
	S	0 22 59	..	..	..	
	L	0 24 19	..	..	..	
	M	0 24 45	3	149	..	
	F	Lost in ch	anging	Drum.		
,, 7th	AE. F	23 18 50	..	..	..	
,, 8th	AE. S	4 34 49	..	..	..	
	eL	4 36 29	..	..	..	
	F	5 6 29	..	..	..	
,, 8th	AE. P	9 45 8	..	..	..	Slight shock.
	S	9 47 3	..	..	..	
	L	9 48 13	..	..	..	
	F	10 19 48	..	..	..	
,, 8th	AN. S	9 47 31	..	..	..	Do.
	F	10 23 11	..	..	..	
,, 11th	AE. P	7 9 21	..	..	..	Do.
	S	7 11 56	..	..	..	
	L	7 13 16	..	..	..	
	F	7 43 46	..	..	..	
,, 11th	AN. P	7 9 29	..	..	..	Do.
	S	7 11 57	..	..	..	
	L	7 13 9	..	..	..	
	F	7 40 53	..	..	..	
,, 13th	AE. Pe	14 1 47	..	..	..	Do.
	S	14 4 32	..	..	..	
	Le	14 5 57	..	..	..	
	F	14 22 47	..	..	..	
,, 13th	AN. Pe	14 1 52	..	..	..	Do.
	S	14 4 37	..	..	..	
	L	14 5 47	..	..	..	
	F	14 25 22	..	..	..	

TABLE E 1—*contd.*

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude. (μ) An. Ae.	Remarks.
1930.		H. M. S.			
July 13th	AE. Pi	19 31 38	..	.. ..	Slight shock.
	Si	19 35 38	..	.. ..	
	Li	19 38 48	..	.. ..	
	M	19 40 18	..	.. ..	
	F	20 32 38	..	.. ..	
,, 13th	AN. Pi	19 31 41	..	.. ..	Do.
	Si	19 35 32	11	35 ..	
	Li	19 38 41	18	.. ..	
	M	19 40 0	12	108 ..	
	F	20 36 43	..	.. ..	
,, 22nd	AE	Instrument dismantled for overhauling.			
,, 22nd	AN. e	19 37 29	..	.. ..	Do.
	S	19 42 44	..	.. ..	
	L	19 46 54	..	.. ..	
	F	20 14 24	..	.. ..	
Aug. 17th	AE. e	12 34 24	..	.. ..	
	F	13 12 9	..	.. ..	
,, 17th	AN. F	13 5 49	..	.. ..	
,, 20th	AE. eP	21 1 29	..	.. ..	Distant moderate shock.
	Se	21 7 29	..	.. ..	
	L	21 16 29	..	.. ..	
	M	21 19 39	19	.. 58	
	F	22 47 37	..	.. ..	
,, 20th	AN. eP	21 0 47	..	.. ..	Do.
	Se	21 7 31	..	.. ..	
	L	21 15 12	..	.. ..	
	M	21 16 59	20	353 ..	
	F	22 48 39	..	.. ..	
,, 22nd	AE. eP	9 47 54	..	.. ..	Slight shock.
	L	9 56 29	..	.. ..	
	F	10 1 49	..	.. ..	
,, 22nd	AN. e	9 47 59	..	.. ..	Do.
	S	9 53 14	..	.. ..	
	L	9 56 39	..	.. ..	
	F	10 1 54	..	.. ..	
,, 23rd	AE. iP	10 57 39	8	.. 22	Moderate shock.
	Si	11 1 40	11	.. 23	
	L	11 4 50	..	.. ..	
	M	11 7 10	17	.. 11?	
	Fe	11 19 50	..	.. ..	

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude. (μ) An. Ae.	Remarks.
1930.		H. M. S.			
Aug. 23rd	AN. P	10 58 0	..	.. ..	Moderate shock.
	S	11 1 32	..	.. ..	
	L	11 5 5	..	.. ..	
	M	11 6 25	16	149 ..	
	F	12 13 50	..	.. ..	
,, 24th	AE. P	10 59 29	..	.. ..	Slight shock.
	eS	11 3 41	..	.. ..	
	L	11 5 44	..	.. ..	
	M	11 6 29	..	.. ..	
	Fe	11 37 9	..	.. ..	
,, 24th	AN. eP	10 59 23	..	.. ..	Do.
	eS	11 3 4	..	.. ..	
	F	11 59 11	..	.. ..	
,, 30th	AE. eP	10 20 58	..	.. ..	Do.
	eS	10 22 53	..	.. ..	
	L	10 23 18	12	.. ..	
	M	10 23 53	..	.. ..	
	F	10 33 38	..	.. ..	
,, 30th	AN. e	10 21 13	..	.. ..	Do.
	eS	10 23 8	..	.. ..	
	L	10 23 53	..	.. ..	
	M	10 24 48	15	.. ..	
	F	10 34 48	..	.. ..	
Sept. 1st	AE. P	5 21 40	..	.. ..	Do.
	S	5 25 15	..	.. ..	
	L	5 27 25	..	.. ..	
	M	5 30 10	13	.. ..	
	F	5 34 15	..	.. ..	
,, 1st	AN. Pe	5 21 10	..	.. ..	Do.
	S	5 25 5	..	.. ..	
	L	5 27 15	..	.. ..	
	Me	5 28 25	15	.. ..	
	F	5 49 20	..	.. ..	
,, 1st	AE. P	17 44 57	..	.. ..	Moderate shock.
	Si	17 46 40	..	.. ..	
	L	17 47 25	..	.. ..	
	M	17 47 50	15	.. 37	
	F	18 24 40	..	.. ..	

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude. (μ) An. Ae.	Remarks.
1930.		H. M. S.			
Sept. 1st	AN. P	17 44 56	..	.. ..	Moderate shock.
	S	17 46 36	..	.. ..	
	L	17 47 30	..	.. ..	
	M	17 48 22	16	93 ..	
	F	18 36 15	..	.. ..	
,, 2nd	AE. Pi	19 4 55	..	.. ..	Slight shock.
	S	19 8 5	..	.. ..	
	L	19 11 40	..	.. ..	
	M	19 13 35	15	.. ..	
	F	19 36 5	..	.. ..	
,, 2nd	AN. e	19 2 50	..	.. ..	Do.
	S	19 8 5	..	.. ..	
	L	19 11 40	..	.. ..	
	M	19 13 30	..	.. ..	
	F	19 45 55	..	.. ..	
,, 5th	AE. eP	16 24 55	..	.. ..	Do.
	S	16 28 50	..	.. ..	
	L	16 32 40	..	.. ..	
	M	16 34 10	10	.. ..	
	F	16 45 10	..	.. ..	
,, 5th	AN. Se	16 31 50	..	.. ..	Do.
	Fe	16 48 35	..	.. ..	
,, 21st-22nd.	AE. P	23 7 5	..	.. ..	Shock of Great Intensity.
	Si	23 10 45	..	.. ..	
	Li	23 12 40	..	.. ..	
	M	23 13 17	28	.. 217	
	F (?)	0 46 15	..	.. ..	Drum taken soon after 0 hour 46 minute G. M. T.
,, 21st-22nd.	AN. Pe	23 7 21	..	.. ..	Shock of Great Intensity.
	Si	23 10 40	18	250 ..	
	Li	23 12 35	..	.. ..	
	M	23 15 25?	15 (?)	1134 ..	Motion restricted on one side due to side-stop.
	F (?)	0 46 0	..	.. ..	Drum taken off soon after 0 h. 46 minute G. M. T.

TABLE E 1—*contd.*

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude. (μ) An. Ae.	Remarks.
1930.		H. M. S.			
Sept. 22nd	AE. P	4 57 46	..	.. ..	Slight shock.
	S	5 1 11	..	.. ..	
	Le	5 3 31	..	.. ..	
	M	5 6 1	13	.. ..	
	F	5 26 6	..	.. ..	
,, 22nd	AN. S	5 1 6	..	.. ..	Do.
	L	5 3 36	..	.. ..	
	F	5 21 49	..	.. ..	
,, 22nd	AE. P	14 21 15	..	.. ..	Do.
	S	14 23 45	..	.. ..	
	L	14 24 45	..	.. ..	
	M	14 26 35	..	.. ..	
	F	15 2 40	..	.. ..	
,, 22nd	AN. P	14 20 55	..	.. ..	Do.
	S	14 23 40	..	.. ..	
	L	14 25 55	..	.. ..	
	M	14 27 20	15	837 ..	
	F	15 24 10	..	.. ..	
,, 22nd	AE. e	16 29 21	..	.. ..	Do.
	S	16 30 56	..	.. ..	
	L	16 32 26	..	.. ..	
	M	16 33 36	..	.. 25	
	F	16 51 40	..	.. ..	
,, 22nd	AN. Pe	16 29 41	..	. .	Do.
	S	16 32 26	..	.. ..	
	Le	16 35 11	..	.. ..	
	F	17 1 11	..	.. ..	
,, 25th	AE. P	18 37 16	..	.. ..	Do.
	S	18 40 46	..	.. ..	
	L	18 43 1	..	.. ..	
	M	18 45 56	11	.. ..	
	F	19 33 36	..	.. ..	
,, 25th	AN. Pe	18 38 2	..	.. ..	Do.
	S	18 41 42	..	.. ..	
	L	18 46 44	..	.. ..	
	M	18 44 22	..	.. ..	
	F	19 3 22	..	.. ..	

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude. (μ) An. Ae.	Remarks.
1930.		H. M. S.			
Sept. 29th	AE. P	13 31 5	..	.. ..	Slight shock.
	S	13 32 50	..	.. ..	
	Le	13 34 0	..	.. ..	
	M	13 36 5	..	.. ..	
	F	13 59 25	..	.. ..	
,, 29th	AN. Pe	13 31 14	..	.. ..	Do.
	S	13 33 3	..	.. ..	
	L	13 34 10	..	.. ..	
	M	13 34 58	15	189 ..	
	F	13 58 15	..	.. ..	
,, 30th	AE. eP	21 31 40	..	.. ..	Do.
	S	21 41 0	..	.. ..	
	Le	21 56 55	..	.. ..	
	F	22 52 0	..	.. ..	
,, 30th	AN. e	21 32 20	..	.. ..	Do.
	Se	21 41 0	..	.. ..	
	Le	21 54 5	..	.. ..	
	F	22 55 30	..	.. ..	
Oct. 8th	AE. F	12 49 30	..	.. ..	
,, 8th	AN. F	12 55 35	..	.. ..	
,, 9th	AE. eS	21 37 58	..	.. ..	Do.
	eL	21 39 23	..	.. ..	
	F	22 1 3	..	.. ..	
,, 9th	AN. Le	21 40 3	..	.. ..	Do.
	M	21 40 18	19	37 ..	
	F	22 15 49	..	.. ..	
,, 24th	AE. P	20 25 33	..	.. ..	Distant Moderate shock.
	S	20 33 48	..	.. ..	
	L	20 47 43	..	.. ..	
	M	20 53 53	20	.. 117	
	F	22 5 43	..	.. ..	
,, 24th	AN. e	20 24 55	..	.. ..	Do.
	S	20 33 52	..	.. ..	
	L	20 48 8	..	.. ..	
	M	20 50 48	28	111 ..	
	F	21 56 53	..	.. ..	

Date.	Phase.	Time G. M. T.	Period (Sec).	Amplitude. (μ) An. Ae.	Remarks.
1930.		H. M. S.			
Oct. 28th	AE. eL	21 39 19	..	.. ..	Slight shock.
	M	21 53 9	17	.. ..	
	F	22 20 14	..	.. ..	
,, 28th	AN. P	21 28 44	..	.. ..	Do.
	eS	21 34 39	..	.. ..	
	L	21 40 44	..	.. ..	
	M	21 46 9	25	.. ..	
	F	22 40 29	..	.. ..	
Nov. 3rd	AN. Pe	18 45 61	..	.. ..	
,, 4th	AE. P	15 42 9	..	.. ..	Do.
	S	15 45 39	..	.. ..	
	L	15 47 44	..	.. ..	
	F	16 15 19	..	.. ..	
,, 4th	AN. S	15 45 29	..	.. ..	Do.
	L	15 47 24	..	.. ..	
	M	15 49 4	..	.. ..	
	F	16 11 46	..	.. ..	
,, 8th	AE. Pi	3 30 2	..	.. ..	Do.
	iS	3 36 12	..	.. ..	
	F	4 2 31	..	.. ..	
,, 8th	AN. Pe	3 30 24	..	.. ..	Do.
	S	3 36 12	..	.. ..	
	M	3 46 37	..	.. ..	
	F	3 59 17	..	.. ..	
,, 9th	AE. P	19 18 15	..	.. ..	Distant moderate shock.
	S	19 26 20	..	.. ..	
	L	19 39 10	..	.. ..	
	M	19 47 20	22	.. 87	
	F	20 48 20	..	.. ..	
,, 9th	AN	Drum Driving clock stopped.			
,, 10th	AE. P	13 54 41	..	.. ..	Distant slight shock.
	S	14 3 41	..	.. ..	
	L	14 18 11	..	.. ..	
	F	14 55 46	..	.. ..	

TABLE E-1—*concld.*

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude. (μ) AN.	Amplitude. (μ) AE.	Remarks.
1930.		H. M. S.				
Nov. 10th	AN. e	13 54 16	..	..	..	Distant slight shock.
	S	14 3 11	..	..	..	
	L	14 18 56	..	..	..	
	M	14 19 48	..	..	..	
	F	15 17 36	..	..	..	
„ 25th	AE. P	19 11 38	..	..	..	Distant shock of Great Intensity.
	S	19 19 8	..	..	..	
	L	19 30 3	..	..	..	
	M	19 31 38	25	..	717	
	F	21 47 48	..	..	..	
„ 25th	AN. P	19 11 18	..	..	..	Do.
	Si	19 18 58	..	..	..	
	Li	19 28 58	..	..	..	
	M	19 35 55	15	836 (?)	..	
	F	22 14 54	..	..	..	
Dec. 2nd	AE. Pi	7 4 5	..	..	..	Moderate shock.
	S	7 7 35	..	..	..	
	L	7 11 50	..	..	..	
	M	7 12 10	..	..	67	
	F	7 55 25	..	..	..	
1930.		H. M. S.				
Dec. 2nd	AN. P	7 3 5	..	..	..	Moderate shock.
	S	7 7 38	..	..	..	
	L	7 10 33	..	..	..	
	M	7 11 20	20	177	..	
	F	7 47 50	..	..	..	
„ 3rd	AE. P	16 39 9	..	..	..	Slight shock.
	S	16 42 48	..	..	..	
	eL	16 45 28	..	..	..	
	F	17 1 23	..	..	..	
„ 3rd	AN	Drum Driving clock stopped.				
„ 3rd	AE. Pi	18 54 32	..	..	..	Shock of considerable Intensity.
	Si	18 58 12	13	..	266	
	iL	19 0 7	35	..	620	
	M	?	?	..	1200	Motion of recording pen restricted at intervals due to side-stops for about 9 minutes.
	F	20 58 12	..	..	..	
„ 3rd	AN	Drum Driving clock stopped.				
„ 8th	AE. e	8 8 13	..	..	..	
	F	8 38 53	..	..	..	
„ 8th	AN. e	8 8 53	..	..	..	
	F	8 43 19	..	..	..	
1930.		H. M. S.				
Dec. 10th	AE. eP	10 41 55	..	..	..	Slight shock.
	F	11 6 10	..	..	..	
„ 10th	AN. P	10 41 55	..	..	..	Do.
	eS	10 46 35	..	..	..	
	L	10 50 5	..	..	..	
	M	10 50 45	20	56	..	
	F	11 10 0	..	..	..	
„ 16th	AE. S	8 22 43	..	..	..	Do.
	F	8 42 43	..	..	..	
„ 16th	AN. e	8 20 38	..	..	..	Do.
	S	8 23 28	..	..	..	
	L	8 24 58	..	..	..	
	F	8 45 38	..	..	..	
„ 21st	AE. e	14 57 50	..	..	..	Do.
	S	15 3 45	..	..	..	
	L	15 10 45	..	..	..	
	F	15 29 55	..	..	..	
„ 21st	AN. S	15 4 10	..	..	..	
	F	15 34 40	..	..	..	
„ 22nd	AN. F	4 57 50	..	..	..	
„ 25th	AN. F	14 21 20	..	..	..	

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$\varphi = 18° 53' 36''$ N ; $\lambda = 72° 48' 54''$ E ; $h = 6$ m. *Subsoil*—Trap rock.

Apparatus.—1. Milne-Shaw seismograph (N-S). *Damping ratio* 20 : 1. 2. Milne-Shaw seismograph (E-W). *Damping ratio* 22 : 1, installed in November, 1930 (in the underground constant temperature room).

TABLE E 2.

	V	To	G	$\frac{1}{To^2}$
AN.	250	12	2·6	..
AE	350	12	2·6	..

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude. (μ) AN.	Amplitude. (μ) AE.	Remarks.
1930.		H. M. S.				
Jan. 1st	Pe	4 34 0	..	..	..	Slight shock.
	S	4 41 2	..	..	..	
	L	4 50 14	..	..	..	
	M	5 2 5	20	5	..	
	F	6 24 0	..	..	..	
„ 4th	P	7 57 18	..	..	..	Very feeble local shock.
	F	7 57 30	..	..	..	
„ 5th	P	1 30 48	..	..	..	
	S	1 39 47	..	..	..	
	L	1 55 16	..	..	..	
	M	1 58 22	27	37	..	
	F	Lost in shifting time.				
	P	19 3 10	..	..	..	
	S	19 12 8	..	..	..	
	L	19 27 26	..	..	..	
	M	19 31 53	15	4	..	
	F	20 5 0	..	..	..	
„ 6th	Pe	23 33 59	..	..	..	Very feeble shock.
	S	23 35 23	..	..	..	
	L	23 35 54	..	..	..	
	F	23 40 0	..	..	..	
„ 7th	e	0 55 0	..	..	..	Tremors.
	f	1 17 0	..	..	..	
	P	17 32 14	..	..	..	Feeble shock.
	S	17 36 8	..	..	..	
	Le	17 39 45	..	..	..	
	F	18 3 0	..	..	..	
„ 12th	P	11 14 25	..	..	..	
	S	11 19 38	..	..	..	
	L	11 23 57	..	..	..	
	M	11 27 6	15	4	..	
	F	12 3 0	..	..	..	

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude. (μ) AN.	Amplitude. (μ) AE.	Remarks.
1930.		H. M. S.				
Jan. 14th	Pe	22 25 23	..	..	..	Distant feeble shock.
	M	23 17 48	17	2	..	
	F	23 55 0	..	..	..	
„ 16th	e	12 40 0	..	..	..	Tremors.
	f	13 9 0	..	..	..	
„ 17th	Pe	11 19 45	..	..	..	Slight shock.
	S	11 27 23	..	..	..	
	L	11 38 46	..	..	..	
	M	11 46 20	13	2	..	
	F	12 19 0	..	..	..	
„ 18th	P	7 16 22	..	..	..	
	S	7 26 24	..	..	..	
	L	7 45 43	..	..	..	
	M	7 54 28	23	7	..	
	F	9 57 0	..	..	..	
„ 20th	Pe	7 24 29	..	..	..	Feeble shock.
	S	7 34 42	..	..	..	
	F	8 37 0	..	..	..	
„ 23rd	e	4 10 0	..	..	..	Tremors.
	f	4 18 0	..	..	..	
„ 25th	P	1 47 52	..	..	..	
	S	1 54 29	..	..	..	
	L	2 2 15	..	..	..	
	M	2 10 50	15	4	..	
	F	2 38 0	..	..	..	
	Pe	10 30 3	..	..	..	Feeble shock.
	M	10 38 48	10	4	..	
	F	11 25 0	..	..	..	
„ 28th	P	10 33 56	..	..	..	Very feeble local shock.
	F	10 34 6	..	..	..	

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude. (μ) AN.	Amplitude. (μ) AE.	Remarks.
1930.		H. M. S.				
Feb. 2nd	P	15 8 39	..	..	..	
	S	15 19 3	..	..	..	
	L	15 39 43	..	..	..	
	M	15 49 1	20	20	..	
	F	17 51 0	..	..	..	
„ 7th	e	13 5 0	..	..	..	Tremor
	f	13 17 0	..	..	..	
	P	16 41 2	..	..	..	
	S	16 46 22	..	..	..	
	L	16 51 8	..	..	..	
	M	16 51 54	15	4	..	
	F	18 9 0	..	..	..	
„ 11th	P	4 9 37	..	..	..	Very feeble local shock.
	F	4 10 27	..	..	..	
„ 12th	P	6 43 12	..	..	..	Feeble distant shock.
	S	6 50 35	..	..	..	
	L	7 1 5	..	..	..	
	M	7 30 52	18	6	..	
	F	9 1 0	..	..	..	
„ 14th	P	8 14 39	..	..	..	Very feeble shock.
	F	8 17 0	..	..	..	
	P	18 46 25	..	..	..	
	S	18 53 5	..	..	..	
	L	19 1 19	..	..	..	
	M	19 2 4	11	4	..	
	F	19 45 0	..	..	..	
	Pe	21 0 11	..	..	..	
	M	22 2 15	17	4	..	Distant feeble shock.
	F	23 15 0	..	..	..	

TABLE E 2—*contd.*

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude. (μ) An. Ae.	Remarks.
1930.		H. M. S.			
Feb. 15th	P	19 11 51	..	.. ..	
	S	19 15 58	..	.. ..	
	L	19 18 48	..	.. ..	
	M	19 24 0	14	3 ..	
	F	20 4 0	..	.. ..	
„ 18th	P	2 11 49	..	.. ..	
	S	2 21 31	..	.. ..	
	L	Lost in shifting time.			
	M	3 31 15	15	3 ..	
	F	4 16 0	..	.. ..	
„ 23rd	P	18 27 51	..	.. ..	
	S	18 34 51	..	.. ..	
	L	18 44 24	..	.. ..	
	M	18 51 29	17	3 ..	
	F	19 38 0	..	.. ..	
	Pe	23 50 52	..	.. ..	
	Se	23 53 3	..	.. ..	
	L	23 53 52	..	.. ..	
	M	23 57 3	12	3 ..	
„ 24th	F	0 50 0	..	.. ..	
	P	20 59 52	..	.. ..	
	S	21 6 54	..	.. ..	
	L	21 15 52	..	.. ..	
	M	21 17 24	13	3 ..	
	F	22 12 0	..	.. ..	
„ 27th	P	2 20 59	..	.. ..	
	S	2 25 25	..	.. ..	
	L	2 28 23	..	.. ..	
	M	Lost in shifting time.			
	F	3 12 0	..	.. ..	
„ 28th	P	22 58 40	..	.. ..	
	S	23 2 15	..	.. ..	
	L	23 4 22	..	.. ..	
	M	23 5 20	9	3 ..	
	F	23 44 0	..	.. ..	
Mar. 5th	P	1 14 55	..	.. ..	Very feeble local shock.
	F	1 15 57	..	.. ..	
„ 6th	P	15 49 2	..	.. ..	
	S	16 1 58	..	.. ..	
	L	16 34 7	..	.. ..	
	M	16 43 2	20	7 ..	
	F	18 11 0	..	.. ..	

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude. (μ) An. Ae.	Remarks.
1930.		H. M. S.			
Mar. 7th	e	11 18 0	..	.. ..	Tremors
	f	11 35 0	..	.. ..	
„ 9th	P	8 57 29	..	.. ..	
	S	9 1 53	..	.. ..	
	L	9 5 7	..	.. ..	
	M	9 7 33	9	2 ..	
	F	11 14 0	..	.. ..	
„ 10th	P	16 37 16	..	.. ..	
	S	16 45 11	..	.. ..	
	L	16 57 6	..	.. ..	
	M	16 59 16	11	2 ..	
	F	17 44 0	..	.. ..	
„ 12th	Pe	15 34 43	..	.. ..	
	Se	15 38 49	..	.. ..	
	L	15 41 31	..	.. ..	
	M	15 42 12	8	1 ..	
	F	16 48 0	..	.. ..	
	Pe	23 14 0	..	.. ..	Very feeble shock.
	F	23 41 0	..	.. ..	
„ 13th	e	1 3 0	..	.. ..	Tremors.
	f	1 42 0	..	.. ..	
	e	14 15 0	..	.. ..	Tremors.
	f	14 54 0	..	.. ..	
„ 14th	e	18 57 0	..	.. ..	Tremors.
	f	20 42 0	..	.. ..	
„ 15th	P	7 2 2	..	.. ..	
	S	7 9 9	..	.. ..	
	L	7 18 44	..	.. ..	
	M	7 22 6	15	4 ..	
	F	10 32 0	..	.. ..	
	e	22 39 0	..	.. ..	Tremors.
	f	23 13 0	..	.. ..	
„ 16th	e	5 15 0	..	.. ..	Tremors.
	f	6 2 0	..	.. ..	
	e	16 44 0	..	.. ..	Tremors.
	f	16 59 0	..	.. ..	
„ 18th	e	5 3 0	..	.. ..	Tremors.
	f	5 14 0	..	.. ..	
	e	6 8 0	..	.. ..	Tremors.
	f	6 40 0	..	.. ..	

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude. (μ) An. Ae.	Remarks.
1930.		H. M. S.			
Mar. 22nd	e	9 9 0	..	.. ..	Tremors.
	f	9 42 0	..	.. ..	
	P	17 36 43	..	.. ..	
	S	17 37 5	..	.. ..	
	L	17 37 11	..	.. ..	
	F	17 54 0	..	.. ..	
„ 23rd	P	19 34 1	..	.. ..	
	S	19 37 26	..	.. ..	
	L	19 39 5	..	.. ..	
	M	19 39 50	11	2 ..	
	F	19 53 0	..	.. ..	
„ 26th	P	7 22 2	..	.. ..	
	S	7 30 9	..	.. ..	
	L	7 42 30	..	.. ..	
	M	7 46 54	20	63 ..	
	F	10 50 0	..	.. ..	
	Pe	11 20 19	..	.. ..	
	S	11 25 12	..	.. ..	
	L	11 28 59	..	.. ..	
	M	11 32 26	11	4 ..	
	F	Mixed up with the following shock.			
	P	11 42 9	..	.. ..	
	S	11 50 12	..	.. ..	
	L	12 2 53	..	.. ..	
	M	12 16 24	17	4 ..	
	F	13 13 0	..	.. ..	
	P	20 25 43	..	.. ..	Very feeble shock.
	F	20 59 0	..	.. ..	
„ 30th	e	8 45 24	..	.. ..	Distant feeble shock.
	M	9 37 25	16	3 ..	
	F	12 6 0	..	.. ..	
	P	15 29 24	..	.. ..	
	S	15 37 28	..	.. ..	
	L	15 50 17	..	.. ..	
	M	15 56 57	21	11 ..	
	F	17 16 0	..	..	
„ 31st	P	12 42 19	..	.. ..	
	S	12 49 23	..	.. ..	
	L	12 59 0	..	.. ..	
	M	13 16 20	16	3 ..	
	F	14 42 0	..	.. ..	
Apr. 2nd	e	4 23 0	..	.. ..	Tremors.
	f	4 52 0	..	.. ..	

TABLE E 2—*contd.*

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude. (μ) An. Ae.	Remarks.
1930.		H. M. S.			
Apr. 2nd	e	14 43 0	..	.. ..	Tremors.
	f	15 5 0	..	.. ..	
	Pe	20 5 43	..	.. ..	Feeble shock.
	S	20 11 43	..	.. ..	
	L	20 18 3	..	.. ..	
	F	21 11 0	..	.. ..	
,, 3rd	e	6 44 0	..	.. ..	Tremors.
	f	7 5 0	..	.. ..	
,, 4th	e	9 40 0	..	.. ..	Tremors.
	f	10 3 0	..	.. ..	
,, 5th	e	12 4 0	..	.. ..	Tremors.
	f	12 27 0	..	.. ..	
,, 6th	P	13 9 27	..	.. ..	
	S	13 10 25	..	.. ..	
	L	13 10 43	..	.. ..	
	M	13 11 2	10	2 ..	
	F	13 25 0	..	.. ..	
,, 10th	P	14 28 43	..	.. ..	
	S	14 32 57	..	.. ..	
	L	14 35 43	..	.. ..	
	M	14 38 16	9	10 ..	
	F	15 44 0	..	.. ..	
,, 15th	P	10 0 54	..	.. ..	Feeble shock.
	S	10 4 42	..	.. ..	
	L	10 7 1	..	.. ..	
	F	10 22 0	..	.. ..	
	P	10 42 22	..	.. ..	
	S	10 50 42	..	.. ..	
	L	11 4 7	..	.. ..	
	M	11 11 9	20	3 ..	
	F	11 53 0	..	.. ..	
,, 17th	P	20 15 12	..	.. ..	
	S	20 22 7	..	.. ..	
	L	20 31 8	..	.. ..	
	M	20 38 5	20	4 ..	
	F	21 17 0	..	.. ..	
,, 20th	e	16 41 0	..	.. ..	Tremors.
	f	17 14 0	..	.. ..	
,, 21st	e	10 30 14	..	.. ..	Distant feeble shock.
	M	11 6 6	19	4 ..	
	F	11 29 0	..	.. ..	
1930.		H. M. S.			
Apr. 21st	P	12 9 48	..	.. ..	
	S	12 19 25	..	.. ..	
	L	12 37 7	..	.. ..	
	M	12 49 0	22	14 ..	
	F	14 59 0	..	.. ..	
,, 23rd	P	22 0 4	..	.. ..	
	S	22 9 6	..	.. ..	
	L	22 24 24	..	.. ..	
	M	22 36 15	19	17 ..	
	F	23 57 0	..	.. ..	
,, 24th	e	0 27 4	..	.. ..	Distant feeble shock
	M	1 11 14	18	4 ..	
	F	1 37 0	..	.. ..	
,, 25th	P	3 48 53	..	.. ..	Feeble shock.
	S	3 52 23	..	.. ..	
	L	3 54 19	..	.. ..	
	F	4 8 0	..	.. ..	
	e	12 15 0	..	.. ..	Tremors.
	f	12 41 0	..	.. ..	
	e	15 40 0	..	.. ..	Tremors.
	f	16 12 0	..	.. ..	
,, 26th	P	16 30 52	..	.. ..	
	S	16 41 23	..	.. ..	
	L	17 2 34	..	.. ..	
	M	17 11 21	21	38 ..	
	F	Mixed up with the following shock.			
	P	19 12 54	..	.. ..	
	S	19 13 24	..	.. ..	
	L	19 13 34	..	.. ..	
	F	19 21 0	..	.. ..	
,, 27th	P	10 4 24	..	.. ..	
	S	10 10 34	..	.. ..	
	L	10 17 23	..	.. ..	
	M	10 21 19	18	3 ..	
	F	10 54 0	..	.. ..	
	P	14 35 55	..	.. ..	
	S	14 43 25	..	.. ..	
	L	14 54 8	..	.. ..	
	M	14 55 21	20	11 ..	
	F	16 14 0	..	.. ..	
	Pe	21 43 43	..	.. ..	Feeble shock.
	S	21 49 55	..	.. ..	
	L	21 56 43	..	.. ..	
	F	22 27 0	..	.. ..	
1930.		H. M. S.			
Apr. 28th	e	13 29 0	..	.. ..	Tremors.
	f	13 55 0	..	.. ..	
	P	18 40 3	..	.. ..	
	S	18 44 32	..	.. ..	
	L	18 47 48	..	.. ..	
	M	18 48 16	9	48 ..	
	F	20 23 0	..	.. ..	
,, 30th	Pe	16 25 36	..	.. ..	Feeble shock.
	S	16 31 13	..	.. ..	
	L	16 36 20	..	.. ..	
	F	17 32 0	..	.. ..	
May 1st	P	1 7 42	..	.. ..	
	S	1 16 32	..	.. ..	
	L	1 31 20	..	.. ..	
	M	1 38 4	20	6 ..	
	F	2 12 0	..	.. ..	
,, 2nd	e	1 58 0	..	.. ..	Tremors.
	f	3 11 0	..	.. ..	
	e	6 11 18	..	.. ..	Distant feeble shock.
	M	7 12 29	14	2 ..	
	F	8 15 0	..	.. ..	
,, 4th	e	18 17 0	..	.. ..	Tremors.
	f	18 33 0	..	.. ..	
,, 5th	P	13 50 54	..	.. ..	
	S	13 54 48	..	.. ..	
	L	13 57 15	..	.. ..	
	M	Trace lost owing to quick movements			
	F	18 31 0	..	.. ..	
,, 6th	e	7 10 0	..	.. ..	Tremors.
	f	7 39 0	..	.. ..	
	P	22 40 44	..	.. ..	
	S	22 46 18	..	.. ..	
	L	22 51 16	..	.. ..	
	M	22 52 32	20	374 ..	
,, 7th	F	2 22 0	..	.. ..	
,, 8th	Pe	12 55 13	..	.. ..	
	S	13 3 33	..	.. ..	
	L	13 17 28	..	.. ..	
	M	13 26 26	15	3 ..	
	F	13 51 0	..	.. ..	
	e	13 55 26	..	.. ..	Distant feeble shock.
	M	14 45 18	20	5 ..	
	F	Mixed up with the following shock.			

TABLE E 2—*contd.*

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude. (μ) An.	Amplitude. (μ) Ae.	Remarks.
1930.		H. M. S.				
May 8th	P	15 41 45	..	..	..	
	S	15 46 57	..	..	..	
	L	15 51 17	..	..	..	
	M	15 57 49	12	12	..	
	F	17 29 0	..	..	..	
„ 9th	e	7 8 24	..	..	..	Distant feeble shock.
	M	7 35 22	15	2	..	
	F	7 56 0	..	..	..	
„ 11th	P	11 35 35	..	..	..	
	S	11 37 53	..	..	..	
	L	11 38 59	..	..	..	
	M	11 39 9	10	6	..	
	F	12 20 0	..	..	..	
	P	22 40 4	..	..	..	
	S	22 43 50	..	..	..	
	L	22 45 59	..	..	..	
	M	22 53 2	10	5	..	
„ 12th	F	0 4 0	..	..	..	
	P	0 25 12	..	..	..	
	S	0 29 0	..	..	..	
	L	0 31 8	..	..	..	
	M	0 38 32	8	3	..	
	F	1 22 0	..	..	..	
„ 13th	e	18 56 0	..	..	..	Tremors.
	f	19 19 0	..	..	..	
„ 14th	e	8 23 0	..	..	..	Tremors.
	f	8 53 0	..	..	..	
	P	19 55 21	..	..	..	
	S	20 4 9	..	..	..	
	L	20 18 43	..	..	..	
	M	20 20 8	25	6	..	
	F	20 59 0	..	..	..	
„ 16th	e	4 23 0	..	..	..	Tremors.
	f	4 57 0	..	..	..	
	e	20 36 0	..	..	..	Tremors.
	f	21 9 0	..	..	..	
„ 17th	Pe	17 14 33	..	..	..	Very feeble shock.
	M	17 21 27	10	3	..	
	F	17 44 0	..	..	..	
„ 18th	P	0 14 8	..	..	..	
	S	0 23 54	..	..	..	
	L	0 42 49	..	..	..	
	F	1 22 0	..	..	..	
1930.		H. M. S.				
May 19th	e	4 2 0	..	..	..	Tremors.
	f	5 19 0	..	..	..	
	P	15 13 10	..	..	..	
	S	15 18 43	..	..	..	
	L	15 23 23	..	..	..	
	M	15 29 33	7	4	..	
	F	16 25 0	..	..	..	
„ 20th	P	11 27 37	..	..	..	
	S	11 38 3	..	..	..	
	L	11 58 58	..	..	..	
	M	12 8 26	20	17	..	
	F	13 57 0	..	..	..	
„ 21st	e	20 53 0	..	..	..	Tremors.
	f	21 13 0	..	..	..	
„ 23rd	e	9 59 40	..	..	..	Distant feeble shock.
	M	10 10 5	15	2	..	
	F	11 7 0	..	..	..	
	P	16 48 8	..	..	..	
	S	16 56 9	..	..	..	
	L	17 8 54	..	..	..	
	M	17 18 29	12	2	..	
	F	17 58 0	..	..	..	
„ 26th	e	15 53 0	..	..	..	Tremors.
	f	16 23 0	..	..	..	
„ 27th	e	16 38 0	..	..	..	Tremors.
	f	16 50 0	..	..	..	
„ 29th	e	17 20 24	..	..	..	Feeble shock.
	M	17 35 50	15	4	..	
	F	18 28 0	..	..	..	
„ 31st	P	18 8 32	..	..	..	
	S	18 16 49	..	..	..	
	L	18 30 3	..	..	..	
	M	18 36 52	20	4	..	
	F	19 35 0	..	..	..	
June 4th	P	7 34 23	..	..	..	
	S	7 39 28	..	..	..	
	L	7 43 28	..	..	..	
	M	7 50 24	18	3	..	
	F	9 14 0	..	..	..	
1930.		H. M. S.				
June 4th	P	10 0 3	..	..	..	
	S	10 7 38	..	..	..	
	L	10 18 43	..	..	..	
	M	10 23 13	11	3	..	
	F	11 27 0	..	..	..	
„ 5th	P	12 1 36	..	..	..	
	S	12 8 59	..	..	..	
	L	12 19 7	..	..	..	
	M	12 20 28	15	3	..	
	F	13 53 0	..	..	..	
	P	16 36 42	..	..	..	
	S	16 40 22	..	..	..	
	L	16 42 28	..	..	..	
	M	16 43 58	10	3	..	
	F	17 17 0	..	..	..	
„ 11th	P	1 1 52	..	..	..	
	S	1 11 57	..	..	..	
	L	1 31 27	..	..	..	
	M	1 37 17	28	27	..	
	F	3 43 0	..	..	..	
„ 13th	e	1 17 38	..	..	..	Distant feeble shock.
	M	1 51 19	15	3	..	
	F	2 38 0	..	..	..	
„ 15th	e	22 18 0	..	..	..	Tremors.
	f	23 16 0	..	..	..	
„ 17th	Pe	20 26 31	..	..	..	
	S	20 28 6	..	..	..	
	L	20 28 43	..	..	..	
	M	20 29 38	10	2	..	
	F	20 35 0	..	..	..	
„ 19th	P	13 16 43	..	..	..	
	S	13 24 58	..	..	..	
	L	13 38 18	..	..	..	
	M	13 51 31	18	14	..	
	F	15 6 0	..	..	..	
„ 25th	P	0 50 58	..	..	..	
	S	0 52 57	..	..	..	
	L	0 53 40	..	..	..	
	M	0 54 32	9	2	..	
	F	1 9 0	..	..	..	
	e	11 22 36	..	..	..	Distant feeble shock.
	M	11 46 59	20	5	..	
	F	12 36 0	..	..	..	

TABLE E 2—*contd.*

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude (μ) An.	Amplitude (μ) Ae.	Remarks.
1930.		H. M. S.				
June 25th	e	21 42 0	..	..	..	Tremors.
	f	22 38 0	..	..	..	
	P	22 38 31	..	..	..	
	S	22 43 57	..	..	..	
	L	22 48 35	..	..	..	
	M	22 53 30	19	8	..	
	F	23 33 0	..	..	..	
" 29th	Pe	9 36 30	..	..	..	
	S	9 42 53	..	..	..	
	L	9 50 19	..	..	..	
	M	9 50 52	6	3	..	
	F	10 40 0	..	..	..	
July 1st	e	4 9 0	..	..	..	Tremors.
	f	4 16 0	..	..	..	
" 2nd	P	21 7 56	..	..	..	
	S	21 11 11	..	..	..	
	L	21 12 42	..	..	..	
	M	21 14 42	..	..	..	
	F	Mixed up with the following shock.				
" 3rd	Pe	0 23 7	..	..	..	From Colaba seismograph No. 2 (An.)
	S	0 26 20	..	..	..	
	L	Trace lost owing to quick movements.				
	Fe	1 6 0	..	..	..	
	Pe	11 27 53	..	..	..	
	Se	11 31 6	..	..	..	
	L	11 32 43	..	..	..	
	M	11 33 13	7	3	..	
	F	11 34 0	..	..	..	
	Pe	11 55 12	..	..	..	
	Se	11 58 23	..	..	..	
	L	11 59 58	..	..	..	
	M	12 0 20	6	3	..	
	F	12 3 0	..	..	..	
	Pe	21 51 10	..	..	..	Very feeble shock.
	Se	21 54 23	..	..	..	
	L	21 56 4	..	..	..	
	F	22 0 0	..	..	..	
	e	22 50 0	..	..	..	Very feeble shock.
	Fe	22 54 0	..	..	..	

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude (μ) An.	Amplitude (μ) Ae.	Remarks.
1930.		H. M. S.				
July 4th	Pe	18 58 44	..	..	..	
	Se	19 2 0	..	..	..	
	L	19 3 32	..	..	..	
	M	19 4 1	7	4	..	
	F	19 7 0	..	..	..	
	Pe	21 38 14	..	..	..	
	Se	21 41 25	..	..	..	
	L	21 43 4	..	..	..	
	M	21 43 14	7	4	..	
	Fe	21 48 0	..	..	..	
" 5th	Pe	1 33 13	..	..	..	
	Se	1 36 24	..	..	..	
	L	1 38 3	..	..	..	
	M	1 38 24	6	4	..	
	Fe	1 45 0	..	..	..	
	Pe	1 48 55	..	..	..	
	Se	1 52 9	..	..	..	
	L	1 53 44	..	..	..	
	M	1 54 14	7·5	3	..	
	F	2 0 0	..	..	..	
	Pe	2 41 6	..	..	..	
	Se	2 44 19	..	..	..	
	L	2 45 51	..	..	..	
	M	2 46 34	7·5	9	..	
	Fe	2 56 0	..	..	..	
	Pe	8 58 43	..	..	..	
	Se	9 1 54	..	..	..	
	L	9 3 33	..	..	..	
	M	9 3 56	5	5	..	
	Fe	9 8 0	..	..	..	
	Pe	18 24 5	..	..	..	
	Se	18 27 19	..	..	..	
	L	18 28 48	..	..	..	
	Fe]	18 32 0	..	..	..	
" 7th	P	21 58 30	..	..	..	Feeble shock.
	S	22 1 40	..	..	..	
	L	22 3 15	..	..	..	
	F	22 10 0	..	..	..	
	P	23 6 43	..	..	..	
	S	23 9 56	..	..	..	
	L	23 11 32	..	..	..	
	M	23 12 9	6	3	..	
	F	23 20 0	..	..	..	

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude (μ) An.	Amplitude (μ) Ae.	Remarks.
1930.		H. M. S.				
July 8th	P	4 39 34	..	..	..	
	S	4 41 4	..	..	..	
	L	4 41 34	..	..	..	
	M	4 41 42	7	14	..	
	F	4 54 0	..	..	..	
	P	9 50 10	..	..	..	
	S	9 51 40	..	..	..	
	L	9 52 12	..	..	..	
	M	9 52 30	8	26	..	
	F	10 12 0	..	..	..	
" 9th	e	15 27 0	..	..	..	Tremors.
	f	15 33 0	..	..	..	
" 10th	Pe	21 50 28	..	..	..	
	Se	21 53 38	..	..	..	
	L	21 55 18	..	..	..	
	M	21 55 36	7	2	..	
	F	22 4 0	..	..	..	
" 11th	P	7 11 3	..	..	..	
	S	7 14 26	..	..	..	
	L	7 16 1	..	..	..	
	M	7 17 40	6	4	..	
	F	7 42 0	..	..	..	
	Pe	17 35 22	..	..	..	Feeble shock.
	Se	17 38 22	..	..	..	
	L	17 40 8	..	..	..	
	M	17 41 4	7	2	..	
	Fe	17 45 0	..	..	..	
" 12th	P	6 15 44	..	..	..	Very feeble local shock.
	F	6 16 14	..	..	..	
	P	10 38 9	..	..	..	Very feeble local shock.
	F	10 38 36	..	..	..	
	e	11 29 0	..	..	..	Tremors.
	f	11 42 0	..	..	..	
	Pe	13 26 3	..	..	..	Feeble shock.
	Se	13 29 9	..	..	..	
	L	13 30 49	..	..	..	
	F	13 34 0	..	..	..	
	e	15 25 0	..	..	..	Tremors.
	f	15 32 0	..	..	..	
	Pe	23 43 33	..	..	..	Feeble shock.
	Se	23 46 46	..	..	..	
	L	23 48 22	..	..	..	
	M	23 49 4	9	2	..	
	F	23 53 0	..	..	..	

TABLE E 2—*contd.*

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude. (μ) An.	Amplitude. (μ) Ae.	Remarks.
1930.		H. M. S.				
July 13th	e	1 34 0	..	..	..	Tremors.
	f	2 8 0	..	..	..	
	e	2 14 0	..	..	..	Tremors.
	f	3 7 0	..	..	..	
	P	14 7 14	..	..	..	
	S	14 8 47	..	..	..	
	L	14 9 17	..	..	..	
	M	14 9 45	4	10	..	
	F	14 35 0	..	..	..	
	P	19 33 21	..	..	..	
	S	19 38 24	..	..	..	
	L	19 42 53	..	..	..	
	M	19 44 49	9	36	..	
	Fe	21 23 0	..	..	..	
	P	23 52 1	..	..	..	
	S	23 55 13	..	..	..	
	L	23 56 47	..	..	..	
	M	23 57 31	5	1	..	
,, 14th	F	0 7 0	..	..	..	
,, 15th	e	11 17 0	..	..	..	Tremors.
	f	11 41 0	..	..	..	
	e	12 1 36	..	..	..	Very feeble shock.
	F	12 4 0	..	..	..	
,, 17th	e	4 45 42	..	..	..	Very feeble shock.
	M	4 46 35	7	3	..	
	fe	4 48 0	..	..	..	
	P	14 40 1	..	..	..	
	S	14 42 59	..	..	..	
	L	14 44 16	..	..	..	
	M	14 46 33	6·5	4	..	
	Fe	15 29 0	..	..	..	
,, 20th	P	13 37 1	..	..	..	
	S	13 38 3	..	..	..	
	L	13 38 20	..	..	..	
	F	13 52 0	..	..	..	
	e	19 22 35	..	..	..	Very feeble shock.
	F	19 25 0	..	..	..	
,, 22nd	e	1 40 0	..	..	..	Tremors.
	f	1 58 0	..	..	..	
1930.		H. M. S.				
July 22nd	P	19 36 35	..	..	..	
	S	19 44 41	..	..	..	
	L	19 57 31	..	..	..	
	M	20 1 20	13	7	..	
	Fe	21 20 0	..	..	..	
,, 23rd	P	0 17 30	..	..	..	
	S	0 25 34	..	..	..	
	L	0 38 15	..	..	..	
	M	0 45 14	20	10	..	
	Fe	1 45 0	..	..	..	
	e	19 8 43	..	..	..	Very feeble shock.
	M	19 13 38	9	3	..	
	F	19 22 0	..	..	..	
,, 24th	e	12 30 0	..	..	..	Tremors.
	fe	12 36 0	..	..	..	
,, 27th	e	4 39 0	..	..	..	Tremors.
	f	5 7 0	..	..	..	
	e	5 17 0	..	..	..	Tremors.
	f	5 38 0	..	..	..	
Aug. 2nd	e	16 57 43	..	..	..	Distant feeble shock
	M	17 24 8	21	7	..	
	F	18 21 0	..	..	..	
,, 3rd	P	1 53 53	..	..	..	
	S	1 57 3	..	..	..	
	L	1 58 39	..	..	..	
	M	1 59 14	4	5	..	
	F	2 8 0	..	..	..	
,, 5th	P	10 18 6	..	..	..	
	S	10 21 17	..	..	..	
	L	10 22 53	..	..	..	
	M	10 23 12	7	2	..	
	F	10 31 0	..	..	..	
,, 6th	P	7 38 27	..	..	..	
	S	7 41 37	..	..	..	
	L	7 43 14	..	..	..	
	M	7 47 59	8	2	..	
	F	8 1 0	..	..	..	
,, 9th	P	22 45 43	..	..	..	
	S	22 49 43	..	..	..	
	L	22 52 9	..	..	..	
	M	22 54 14	9	2	..	
	F	23 28 0	..	..	..	
1930.		H. M. S.				
Aug. 10th	P	22 16 53	..	..	..	Feeble shock.
	S	22 20 6	..	..	..	
	L	22 21 42	..	..	..	
	M	22 22 1	5	3	..	
	F	22 31 0	..	..	..	
,, 12th	e	0 0 0	..	..	..	Tremors.
	f	0 11 0	..	..	..	
,, 13th	e	19 21 0	..	..	..	Tremors.
	f	20 11 0	..	..	..	
,, 14th	e	23 33 0	..	..	..	Tremors.
,, 15th	f	0 10 0	..	..	..	
	e	15 21 0	..	..	..	Tremors.
	f	15 50 0	..	..	..	
,, 16th	e	0 26 0	..	..	..	Tremors.
	f	0 41 0	..	..	..	
		15 32 0	..	..	..	Tremors.
	f	15 44 0	..	..	..	
	e	23 11 0	..	..	..	Tremors.
	f	23 23 0	..	..	..	
,, 17th	e	1 24 0	..	..	..	Tremors.
	f	1 39 0	..	..	..	
	e	3 35 0	..	..	..	Tremors.
	f	3 57 0	..	..	..	
	P	12 33 43	..	..	..	
	S	12 37 33	..	..	..	
	L	12 39 49	..	..	..	
	M	12 47 34	11	3	..	
	F	13 44 0	..	..	..	
,, 18th	P	10 12 8	..	..	..	
	S	10 20 43	..	..	..	
	L	10 35 3	..	..	..	
	M	10 53 22	18	12	..	
	F	13 0 0	..	..	..	
,, 19th	P	6 10 10	..	..	..	
	S	6 13 23	..	..	..	
	L	6 14 58	..	..	..	
	M	6 15 22	7	2	..	
	F	6 21 0	..	..	..	
,, 20th	e	5 19 0	..	..	..	Tremors.
	f	5 57 0	..	..	..	

TABLE E 2—*contd.*

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude. (μ) An.	Amplitude. (μ) Ae.	Remarks.
1930.		H. M. S.				
Aug. 20th	P	21 2 36	..	..	..	
	S	21 9 20	..	..	..	
	L	21 17 43	..	..	..	
	M	21 21 14	16	36	..	
	F	23 15 0	..	..	..	
,, 22nd	P	9 50 30	..	..	..	
	S	9 55 11	..	..	..	
	L	9 58 41	..	..	..	
	M	10 2 2	12	4	..	
	F	10 42 0	..	..	..	
,, 23rd	P	10 57 34	..	..	..	
	S	11 1 29	..	..	..	
	L	11 3 53	..	..	..	
	M	11 9 15	15	17	..	
	F	13 10 0	..	..	..	
	P	15 7 13	..	..	..	
	S	15 11 55	..	..	..	
	L	15 15 23	..	..	..	
	M	15 19 49	13	4	..	
	F	16 15 0	..	..	..	
,, 24th	Pe	9 21 28	..	..	..	Feeble shock.
	F	10 33 0	..	..	..	
	P	11 1 59	..	..	..	
	S	11 5 55	..	..	..	
	L	11 8 9	..	..	..	
	M	11 8 33	11	5	..	
	F	11 38 0	..	..	..	
,, 27th	e	23 23 0	..	..	..	Tremors.
	f	23 35 0	..	..	..	
,, 28th	e	3 58 0	..	..	..	Do.
	f	4 32 0	..	..	..	
	e	4 50 0	..	..	..	Do.
	f	5 10 0	..	..	..	
,, 29th	e	21 12 0	..	..	..	Do.
	f	21 24 0	..	..	..	
,, 30th	P	10 9 37	..	..	..	
	S	10 14 28	..	..	..	
	L	10 18 18	..	..	..	
	M	10 25 11	10	5	..	
	F	11 27 0	..	..	..	

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude. (μ) An.	Amplitude. (μ) Ae.	Remarks.
1930.		H. M. S.				
Aug. 30th	P	13 29 21	..	..	..	Feeble shock.
	S	13 30 33	..	..	..	
	L	13 30 55	..	..	..	
	M	13 31 22	7	2	..	
	F	13 37 0	..	..	..	
,, 31st	e	3 50 0	..	..	..	Tremors.
	f	4 6 0	..	..	..	
Sept. 1st	P	5 23 23	..	..	..	
	S	5 27 45	..	..	..	
	L	5 31 5	..	..	..	
	M	5 31 33	7	4	..	
	F	6 8 0	..	..	..	
	P	17 47 20	..	..	..	
	S	17 50 50	..	..	..	
	L	17 52 56	..	..	..	
	M	17 54 12	10	29	..	
	F	19 3 0	..	..	..	
,, 2nd	P	19 3 47	..	..	..	
	S	19 8 3	..	..	..	
	L	19 10 53	..	..	..	
	M	19 19 54	9	3	..	
	F	19 52 0	..	..	..	
,, 5th	P	10 18 11	..	..	..	
	S	10 21 41	..	..	..	
	L	10 23 37	..	..	..	
	M	10 26 0	8	2	..	
	F	10 58 0	..	..	..	
	Pe	16 24 51	..	..	..	Very feeble shock.
	M	16 35 25	17	3	..	
	F	16 58 0	..	..	..	
,, 8th	e	8 44 14	..	..	..	Distant feeble shock.
	F	10 22 0	..	..	..	
,, 9th	e	23 10 0	..	..	..	Tremors.
	f	Lost in shifting time.				
,, 10th	e	9 21 14	..	..	..	Very feeble shock.
	M	9 40 32	12	3	..	
	F	10 57 0	..	..	..	
,, 11th	e	4 0 0	..	..	..	Tremors.
	f	4 20 0	..	..	..	

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude. (μ) An.	Amplitude. (μ) Ae.	Remarks.
1930.		H. M. S.				
Sept. 11th	P	12 44 29	..	..	..	
	S	12 50 53	..	..	..	
	L	12 58 17	..	..	..	
	M	13 5 33	17	5	..	
	F	13 31 0	..	..	..	
	P	17 24 2	..	..	..	Feeble shock.
	S	17 27 13	..	..	..	
	L	17 28 50	..	..	..	
	F	17 46 0	..	..	..	
,, 12th	e	2 13 0	..	..	..	Tremors.
	f	2 25 0	..	..	..	
	e	19 14 41	..	..	..	Distant feeble shock.
	F	20 20 0	..	..	..	
,, 13th	P	18 8 40	..	..	..	
	S	18 12 20	..	..	..	
	L	18 14 26	..	..	..	
	F	18 39 0	..	..	..	
,, 14th	e	0 16 0	..	..	..	Tremors.
	f	0 41 0	..	..	..	
	P	3 25 37	..	..	..	
	Se	3 32 57	..	..	..	
	L	3 43 9	..	..	..	
	M	3 53 10	19	8	..	
	F	4 37 0	..	..	..	
	e	9 32 5	..	..	..	Distant feeble shock.
	F	11 12 0	..	..	..	
	e	17 33 0	..	..	..	Tremors.
	f	17 59 0	..	..	..	
,, 16th	e	0 7 0	..	..	..	Do.
	f	0 20 0	..	..	..	
	e	0 40 0	..	..	..	Do.
	f	0 51 0	..	..	..	
	e	11 8 5	..	..	..	Very feeble shock.
	M	11 19 5	9	2	..	
	F	11 34 0	..	..	..	
,, 20th	e	4 19 0	..	..	..	Tremors.
	f	4 33 0	..	..	..	
	P	13 5 39	..	..	..	Feeble shock.
	S	13 9 8	..	..	..	
	L	13 11 6	..	..	..	
	M	13 11 17	12	2	..	
	F	13 32 0	..	..	..	

TABLE E 2—*contd.*

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude. (μ) An.	Amplitude. (μ) Ae.	Remarks.
1930.		H. M. S				
Sept. 21st	P	23 9 39	..	..	..	
	S	23 14 2	..	..	..	
	L	23 17 16	..	..	..	
	M	23 17 44	6	12	..	
,, 22nd	F	1 46 0	..	..	..	
	Pe	1 51 12	..	..	..	
	S	2 0 42	..	..	..	
	L	Lost in shifting time.				
	M	2 47 12	18	12	..	
	F	4 44 0	..	..	..	
	P	4 59 52	..	..	..	
	S	5 4 36	..	..	..	
	L	5 8 2	..	..	..	
	M	5 8 14	7	7	..	
	F	5 54 0	..	..	..	
	P	7 20 58	..	..	..	
	S	7 24 37	..	..	..	
	L	7 26 54	..	..	..	
	M	7 28 36	8	2	..	
	F	7 50 0	..	..	..	
	P	14 23 49	..	..	..	
	S	14 27 30	..	..	..	
	L	14 29 41	..	..	..	
	F	16 0 0	..	..	..	
	P	16 31 11	..	..	..	
	S	16 34 55	..	..	..	
	L	16 36 58	..	..	..	
	M	16 37 50	6	4	..	
	F	17 24 0	..	..	..	
,, 23rd	P	5 47 15	..	..	..	
	S	5 51 15	..	..	..	
	L	5 53 58	..	..	..	
	M	5 54 4	5	2	..	
	F	6 4 0	..	..	..	
	P	10 19 23	..	..	..	Feeble shock.
	S	10 23 7	..	..	..	
	L	10 25 23	..	..	..	
	F	10 44 0	..	..	..	
	P	12 14 59	..	..	..	
	S	12 18 40	..	..	..	
	L	12 20 50	..	..	..	
	M	12 23 58	7	2	..	
	F	12 53 0	..	..	..	

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude. (μ) An.	Amplitude. (μ) Ae.	Remarks.
1930.		H. M. S.				
Sept. 24th	P	3 29 19	..	..	..	
	S	3 31 48	..	..	..	
	L	3 33 7	..	..	..	
	M	3 35 27	10	3	..	
	F	3 53 0	..	..	..	
	P	12 15 21	..	..	..	
	S	12 33 44	..	..	..	
	L	12 37 25	..	..	..	
	M	12 41 1	18	5	..	
	F	13 30 0	..	..	..	
	P	14 45 50	..	..	..	
	S	14 46 50	..	..	..	
	L	14 47 7	..	..	..	
	M	14 47 20	7	2	..	
	F	14 59 0	..	..	..	
,, 25th	P	13 47 20	..	..	..	
	S	13 51 12	..	..	..	
	L	13 53 16	..	..	..	
	M	13 53 55	8	2	..	
	F	14 6 0	..	..	..	
	e	17 15 0	..	..	..	Tremors.
	f	17 25 0	..	..	..	
	e	18 30 0	..	..	..	Do.
	f	Lost in following shock.				
	P	18 38 50	..	..	..	
	S	18 43 30	..	..	..	
	L	18 46 47				
	M	18 47 2	8	14	..	
	F	20 18 0	..	..	..	
,, 26th	e	8 50 0	..	..	..	Tremors.
	f	9 17 0	..	..	..	
,, 29th	P	10 8 44	..	..	..	Feeble shock.
	S	10 11 48	..	..	..	
	L	10 13 10	..	..	..	
	F	10 31 0	..	..	..	
	P	13 31 21	..	..	..	
	S	13 34 29	..	..	..	
	L	13 35 55	..	..	..	
	M	13 36 50	8	6	..	
	F	14 16 0	..	..	..	

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude. (μ) An.	Amplitude. (μ) Ae.	Remarks.
1930.		H. M. S.				
Sept. 30th	P	13 10 1	..	..	..	Feeble shock.
	S	13 14 17	..	..	..	
	L	13 17 12	..	..	..	
	F	13 47 0	..	..	..	
	P	21 32 38	..	..	..	
	S	21 42 26	..	..	..	
	L	22 0 58	..	..	..	
	M	22 10 40	19	7	..	
	F	23 32 0	..	..	..	
Oct. 1st	P	3 1 14	..	..	..	Feeble shock.
	S	3 8 32	..	..	..	
	L	3 18 14	..	..	..	
	F	3 45 0	..	..	..	
,, 2nd	P	0 52 32	..	..	..	Do.
	S	1 1 52	..	..	..	
	L	1 19 16	..	..	..	
	F	1 47 0	..	..	..	
	P	15 38 31	..	..	..	
	S	15 43 7	..	..	..	
	L	15 46 7	..	..	..	
	M	15 50 18	15	4	..	
	F	16 18 0	..	..	..	
,, 4th	e	19 34 0	..	..	..	Tremors.
	f	19 56 0	..	..	..	
,, 5th	P	5 32 0	..	..	..	Very feeble shock.
	F	5 47 0	..	..	..	
,, 6th	e	18 13 4	..	..	..	Feeble shock.
	M	18 16 20	14	3	..	
	F	18 29 0	..	..	..	
,, 7th	P	2 36 47	..	..	..	Do.
	S	2 41 27	..	..	..	
	Le	2 44 51	..	..	..	
	F	3 1 0	..	..	..	
	P	20 58 25	..	..	..	Do.
	Se	21 2 58	..	..	..	
	Le	21 7 38	..	..	..	
	F	21 32 0	..	..	..	
,, 8th	P	10 33 26	..	..	..	
	S	10 43 44	..	..	..	
	L	11 3 57	..	..	..	
	M	11 28 56	18	10	..	
	F	13 9 0	..	..	..	

TABLE E 2—*contd.*

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude. (μ) AN.	Amplitude. (μ) AE.	Remarks.
1930.		H. M. S.				
Oct. 9th	P	21 35 23	..	..	..	
	S	21 39 46	..	..	..	
	L	21 42 42	..	..	..	
	M	21 43 12	8	4	..	
	F	22 12 0	..	..	..	
,, 10th	P	0 42 33	..	..	..	
	S	0 46 55	..	..	..	
	L	0 50 17				
	M	0 50 47	7	10	..	
	F	1 35 0	..	..	..	
,, 11th	e	3 44 0	..	..	..	Tremors.
	f	4 6 0	..	..	..	
,, 12th	P	15 11 24	..	..	..	Feeble shock.
	S	15 15 22	..	..	..	
	Le	15 17 57	..	..	..	
	F	15 33 0	..	..	..	
	e	20 4 0	..	..	..	Tremors.
	f	20 22 0	..	..	..	
,, 13th	Pe	8 19 5	..	..	..	Feeble shock.
	F	8 36 0	..	..	..	
,, 15th	P	11 19 24	..	..	..	Do.
	S	11 22 44	..	..	..	
	L	11 24 19	..	..	..	
	F	11 36 0	..	..	..	
,, 16th	e	21 54 0	..	..	..	Tremors.
	f	22 25 0	..	..	..	
,, 17th	P	9 6 19	..	..	..	
	S	9 19 42	..	..	..	
	L	9 55 42	..	..	..	
	M	10 5 57	20	6	..	
	F	10 51 0	..	..	..	
,, 23rd	e	9 57 0	..	..	..	Tremors.
	f	10 52 0	..	..	..	
,, 24th	Pe	1 13 40	..	..	..	Very feeble shock.
	F	1 19 0	..	..	..	
	P	10 54 28	..	..	..	
	S	10 58 33	..	..	..	
	L	11 1 17	..	..	..	
	M	11 2 34	14	5	..	
	F	11 44 0	..	..	..	

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude. (μ) A.	Amplitude. (μ) AE.	Remarks.
1930.		H. M. S.				
Oct. 24th	P	20 26 17	..	..	..	
	S	20 34 47	..	..	..	
	L	20 51 13	..	..	..	
	M	20 56 21	19	31	..	
	F	23 57 0	..	..	..	
,, 25th	P	4 23 59	..	..	..	
	S	4 26 44	..	..	..	
	L	4 27 47	..	..	..	
	M	4 27 59	10	2	..	
	F	4 42 0	..	..	..	
	P	12 16 19	..	..	..	
	S	12 23 43	..	..	..	
	Le	12 50 16	..	..	..	
	M	13 1 43	15	4	..	
	F	13 30 0	..	..	..	
	e	16 40 0	..	..	..	Tremors.
	f	17 13 0	.	..	..	
	e	17 53 0	..	..	..	Tremors.
	f	18 21 0	..	..	..	
	P	23 40 42	..	..	..	
	S	23 45 50	..	..	..	
	L	23 49 55	..	..	..	
	M	23 53 52	20	5	..	
,, 26th	F	0 13 0	..	..	..	
,, 27th	P	23 34 45	..	..	..	
	S	23 39 27	..	..	..	
	L	23 43 1	..	..	..	
	M	23 43 48	10	3	..	
,, 28th	F	0 13 0	..	..	..	
	P	21 30 33	..	..	..	
	S	21 36 6	..	..	..	
	L	21 41 12	..	..	..	
	M	21 55 23	20	9	..	
	F	22 37 0	..	..	..	
,, 30th	P	7 22 49	..	..	..	
	S	7 30 29	..	..	..	
	L	7 42 8	..	..	..	
	M	7 46 4	20	5	..	
	F	8 9 0	..	..	..	
,, 31st	e	10 38 31	..	..	..	Feeble distant shock.
	M	11 31 1	20	6	..	
	F	12 54 0	..	..	..	
	e	13 44 0	..	..	..	Tremors.
	f	13 58 0	..	..	..	

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude. (μ) AN.	Amplitude. (μ) AE.	Remarks.
1930.		H. M. S.				
Nov. 3rd	P	18 48 59	..	..	..	Feeble shock.
	S	18 58 49	..	..	..	
	L	19 16 59	..	..	..	
	F	19 55 0	..	..	..	
,, 4th	P	7 19 23	..	..	..	Very feeble shock.
	F	7 29 0	..	..	..	
	P	15 43 24	..	..	..	
	S	15 47 56	..	..	..	
	L	15 51 14	..	..	..	
	M	15 51 26	7	11	..	
	F	16 38 0	..	..	..	
,, 8th	AN. P	3 30 44	..	..	..	
	S	3 37 8	..	..	..	
	L	3 44 25	..	..	..	
	M	3 51 44	10	2	..	
	F	4 21 0	..	..	..	
	AE. P	3 30 44	..	..	..	
	S	3 37 8	..	..	..	
	L	3 44 25	..	..	..	
	M	3 45 50	8	..	2	
	F	4 31 0	..	..	..	
,, 9th	AN. P	19 18 53	..	..	..	
	S	19 27 9	..	..	..	
	L	19 40 33	..	..	..	
	M	19 45 12	21	95	..	
	F	21 45 0	..	..	..	
,, 9th	AE. P	19 18 53	..	..	..	
	S	19 27 9	..	..	..	
	L	19 40 33	..	..	..	
	M	19 42 28	22	..	66	
	F	22 19 0	..	..	..	
,, 10th	AN. P	13 55 12	..	..	..	
	S	14 4 8	..	..	..	
	L	14 19 8	..	..	..	
	M	14 24 1	9	3	..	
	F	16 6 0		..	..	
	AE. P	13 55 12	..	..	..	
	S	14 4 8	..	..	..	
	L	14 19 8	..	..	..	
	M	14 24 40	19	..	8	
	F	16 6 0	..	..	..	

TABLE E 2—*contd.*

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude. (μ) An.	Amplitude. (μ) Ae.	Remarks.
1930.		H. M. S.				
Nov. 11th	AN. P	8 38 26	..	..	..	
	S	8 44 36	..	..	..	
	L	8 51 36	..	..	..	
	M	8 55 15	9	3	..	
	F	9 29 0	..	..	..	
	AE. P	8 38 26	..	..	..	
	S	8 44 36	..	..	..	
	L	8 51 36	..	..	..	
	M	8 56 45	10	..	2	
	F	9 29 0	..	..	..	
,, 12th	AN P	19 23 24	..	..	..	
	S	19 34 12	..	..	..	
	L	19 56 6	..	..	..	
	M	20 4 21	21	7	..	
	F	21 11 0	..	..	..	
	AE P	19 23 24	..	..	..	
	S	19 34 12	..	..	..	
	L	19 56 6	..	..	..	
	M	29 4 12	21	..	5	
	F	21 11 0	..	..	..	
,, 13th	AN e	23 18 0	..	..	..	Tremors.
	f	23 49 0	..	..	..	
	AE e	23 18 0	..	..	..	Do.
	f	23 49 0	..	..	..	
,, 16th	AN P	3 27 23	..	..	..	
	S	3 30 42	..	..	..	
	L	3 32 27	..	..	..	
	F	3 56 0	..	..	..	
	AE P	3 27 23	..	..	..	
	S	3 30 42	..	..	..	
	L	3 32 27	..	..	..	
	F	3 56 0	..	..	..	
	AN e	16 31 0	..	..	..	Tremors.
	f	16 50 0	..	..	..	
	AE e	16 31 0	..	..	..	Do.
	f	16 50 0	..	..	..	

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude. (μ). An.	Amplitude. (μ). Ae.	Remarks.
1930.		H. M. S.				
Nov. 17th	AN P	12 18 53	..	..	..	
	S	12 27 31	..	..	..	
	L	12 41 41	..	..	..	
	M	12 48 8	27	9	..	
	F	13 36 0	..	..	..	
	AE P	12 18 53	..	..	..	
	S	12 27 31	..	..	..	
	L	12 41 41	..	..	..	
	M	12 44 46	29	..	7	
	F	13 36 0	..	..	..	
,, 21st	AN P	2 11 24	..	..	..	
	S	2 16 32	..	..	..	
	L	Lost in shifting time.				
	M	2 36 30	16	4	..	
	F	3 15 0	..	..	..	
	AE P	2 11 24	..	..	..	
	S	2 16 32	..	..	..	
	L	Lost in shifting time.				
	M	2 33 28	24	..	5	
	F	3 15 0	..	..	..	
	AN P	3 26 56	..	..	..	Very feeble shock.
	F	3 46 0	..	..	..	
	AE P	3 26 56	..	..	..	Do.
	F	3 46 0	..	..	..	
,, 22nd	AN P	14 21 6	..	..	..	
	S	14 31 43	..	..	..	
	L	14 53 13	..	..	..	
	M	15 11 2	20	9	..	
	F	16 13 0	..	..	..	
	AE P	14 21 6	..	..	..	
	S	14 31 43	..	..	..	
	L	14 53 13	..	..	..	
	M	15 14 25	16	..	4	
	F	16 28 0	..	..	..	
,, 23rd	AN P	16 0 27	..	..	..	
	S	16 6 1	..	..	..	
	L	16 11 1	..	..	..	
	M	16 15 33	12	2	..	
	F	17 8 0	..	..	..	

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude (μ). An.	Amplitude (μ). Ae.	Remarks.
1930.		H. M. S.				
Nov. 23rd	AE P	16 0 27	..	..	..	
	S	16 6 1	..	..	..	
	L	16 11 1	..	..	..	
	M	16 17 0	12	..	1	
	F	17 8 0	..	..	..	
,, 24th	AN e	3 50 0	..	..	..	Tremors.
	f	4 8 0	..	..	..	
	AE e	3 50 0	..	..	..	Do.
	f	4 8 0	..	..	..	
	AN P	6 23 31	..	..	..	Feeble shock.
	S	6 26 20	..	..	..	
	L	6 27 40	..	..	..	
	F	6 39 0	..	..	..	
	AE P	6 23 31	..	..	..	Do.
	S	6 26 20	..	..	..	
	L	6 27 40	..	..	..	
	F	6 39 0	..	..	..	
,, 25th	AN P	19 13 2	..	..	..	
	S	19 21 14	..	..	..	
	L	19 34 9	..	..	..	
	M	19 38 11	18	157	..	
	F	23 1 0	..	..	..	
	AE P	19 13 2	..	..	..	
	S	19 21 14	..	..	..	
	L	19 34 9	..	..	..	
	M	19 38 6	20	..	93	
	F	23 1 0	..	..	..	
,, 28th	AN P	3 24 37	..	..	..	Very feeble shock.
	F	3 33 0	..	..	..	
	AE P	3 24 37	..	..	..	Do.
	F	3 33 0	..	..	..	
	AN Pe	7 32 36	..	..	..	Do.
	F	7 42 0	..	..	..	
	AE Pe	7 32 36	..	..	..	Do.
	F	7 42 0	..	..	..	
	AN e	8 56 0	..	..	..	Tremors.
	f	9 11 0	..	..	..	

TABLE E 2—*contd.*

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude (μ). An.	Amplitude (μ). Ae.	Remarks.
1930.		H. M. S.				
Nov. 28th	AE e	8 56 0	..	..	..	Tremors.
	f	9 11 0	..	..	..	
,, 30th	AN P	0 43 43	..	..	..	
	S	0 46 35	..	..	..	
	L	0 47 53	..	..	..	
	M	0 49 48	9	2	..	
	F	1 7 0	..	..	..	
	AE P	0 43 43	..	..	..	
	S	0 46 35	..	..	..	
	L	0 47 53	..	..	..	
	M	0 48 56	8	..	1	
	F	1 7 0	..	..	..	
Dec. 1st	AN P	0 23 10	..	..	..	
	S	0 27 16	..	..	..	
	L	0 30 10	..	..	..	
	M	0 32 21	8	2	..	
	F	0 59 0	..	..	..	
	AE P	0 23 10	..	..	..	
	S	0 27 16	..	..	..	
	L	0 30 10	..	..	..	
	M	0 32 19	10	..	2	
	F	0 59 0	..	..	..	
,, 2nd	AN P	7 6 47	..	..	..	
	S	7 11 14	..	..	..	
	L	7 14 29	..	..	..	
	M	7 15 54	8	30	..	
	F	8 41 0	..	..	..	
	AE P	7 6 47	..	..	..	
	S	7 11 14	..	..	..	
	L	7 14 29	..	..	..	
	M	7 20 5	9	..	14	
	F	8 41 0	..	..	..	
,, 3rd	AN P	15 47 19	..	..	..	
	S	15 51 23	..	..	..	
	L	15 54 8	..	..	..	
	M	15 59 38	9	3	..	
	F	16 28 0	..	..	..	
1930.		H. M. S.				
Dec. 3rd	AE P	15 47 19	..	..	..	
	S	15 51 23	..	..	..	
	L	15 54 8	..	..	..	
	M	16 1 35	8	..	2	
	F	16 28 0	..	..	..	
	AN P	16 41 20	..	..	..	
	S	16 45 28	..	..	..	
	L	16 48 8	..	..	..	
	M	16 53 17	13	10	..	
	F	17 33 0	..	..	..	
	AE P	16 41 20	..	..	..	
	S	16 45 28	..	..	..	
	L	16 48 8	..	..	..	
	M	16 55 17	9	..	6	
	F	17 33 0	..	..	..	
	AN P	18 56 41	..	..	..	
	S	19 0 48	..	..	..	
	L	19 3 30	..	..	..	
	M	19 11 1	10	270	..	
	F	23 0 0	..	..	..	
	AE P	18 56 41	..	..	..	
	S	19 0 48	..	..	..	
	L	19 3 30	..	..		
	M	19 12 15	12	..	310	
	F	23 7 0	..	..	..	
,, 4th	AN P	6 23 40	..	..	..	
	S	6 27 48	..	..	..	
	L	6 30 28	..	..	..	
	M	6 32 31	10	4	..	
	F	7 6 0	..	..	..	
	AE P	6 23 40	..	..	..	
	S	6 27 48	..	..	..	
	L	6 30 28	..	..	..	
	M	6 35 12	12	..	3	
	F	7 6 0	..	..	..	
,, 6th	AN P	7 16 19	..	..	..	
	S	7 26 44	..	..	..	
	L	7 47 49	..	..	..	
	M	8 0 24	18	5	..	
	F	8 46 0	..	..	..	
1930.		H. M. S.				
Dec. 6th	AE P	7 16 19	..	..	..	
	S	7 26 44	..	..	..	
	L	7 47 49	..	..	..	
	M	8 0 0	21	..	7	
	F	8 46 0	..	..	..	
	AN P	9 26 43	..	..	..	Very feeble shock.
	F	9 48 0	..	..	..	
	AE P	9 26 43	..	..	..	Do.
	F	9 48 0	..	..	..	
,, 7th	AN e	22 15 0	..	..	..	Tremors.
	f	22 23 0	..	..	..	
	AE e	22 15 0	..	..	..	Do.
	f	22 23 0	..	..	..	
	AN P	23 51 16	..	..	..	Feeble shock;
	S	23 54 40	..	..	..	
	L	23 56 10	..	..	..	
,, 8th	F	0 17 0	..	..	..	
,, 7th	AE P	23 51 16	..	..	..	Do.
	S	23 54 40	..	..	..	
	L.	23 56 10	..	..	..	
,, 8th	F	0 17 0	..	..	..	
	AN e	6 34 40	..	..	..	Distant feeble shock.
	M	6 51 50	10	2	..	
	F	7 14 0	..	..	..	
	AE e	6 34 40	..	..	..	Do.
	M	6 48 10	12	..	2	
	F	7 14 0	..	..	..	
	AN P	8 9 10	..	..	..	
	S	8 16 0	..	..	..	
	L	8 24 18	..	..	..	
	M	8 29 16	11	4	..	
	F	9 16 0	..	..	..	
	AE P	8 9 10	..	..	..	
	S	8 16 0	..	..	..	
	L	8 24 18	..	..	..	
	M	8 29 14	13	..	4	
	F	9 16 0	..	..	..	

TABLE E 2—*contd.*

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude (μ). An.	Amplitude (μ). Ae.	Remarks.
1930.		H. M. S.				
Dec. 8th	AN Pe	17 41 27	..	..	..	
	S	17 52 29	..	..	..	
	L	18 15 17	..	..	..	
	M	18 31 49	19	5	..	
	F	19 48 0	..	..	..	
	AE Pe	17 41 27	..	..	..	
	S	17 52 29	..	..	..	
	L	18 15 17	..	..	..	
	M	18 33 55	20	..	4	
	F	19 48 0	..	..	..	
„ 9th	AN P	0 37 32	..	..	..	
	S	0 41 30	..	..	..	
	L	0 42 44	..	..	..	
	M	0 43 12	10	2	..	
	F	0 59 0	..	..	..	
	AE P	0 37 32	..	..	..	
	S	0 41 30	..	..	..	
	L	0 42 44	..	..	..	
	M	0 45 43	7	..	1	
	F	0 59 0	..	..	..	
„ 10th	AN P	10 38 28	..	..	..	
	S	10 44 10	..	..	..	
	L	10 49 28	..	..	..	
	M	10 54 8	15	4	..	
	F	11 45 0	..	..	..	
	AE P	10 38 28	..	..	..	
	S	10 44 10	..	..	..	
	L	10 49 28	..	..	..	
	M	10 54 35	16	..	7	
	F	11 45 0	..	..	..	
„ 12th	AN P	2 58 44	..	..	..	
	S	3 3 16	..	..	..	
	L	3 6 40	..	..	..	
	M	3 6 45	7	..	..	
	F	3 29 0	..	..	..	
	AE P	2 58 44	..	..	..	
	S	3 3 16	..	..	..	
	L	3 6 40	..	..	..	
	M	3 11 29	8	..	1	
	F	3 29 0	..	..	..	

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude (μ). An.	Amplitude (μ). Ae.	Remarks.
1930.		H. M. S.				
Dec. 12th	AN e	6 58 0	..	..	..	Tremors.
	f	7 11 0	..	..	..	
	AE e	6 58 0	..	..	..	Do.
	f	7 11 0	..	..	..	
	AN P	11 53 7	..	..	..	Feeble local shock.
	S	11 54 35	..	..	..	
	L	Lost in hourly break.				
	F	12 3 0	..	..	..	
	AE P	11 53 7	..	..	..	Do.
	S	11 54 35	..	..	..	
	L	Lost in hourly break.				
	F	12 3 0	..	..	..	
„ 13th	AN e	3 21 0	..	..	..	Tremors.
	f	3 54 0	..	..	..	
	AE e	3 21 0	..	..	..	Do.
	f	3 54 0	..	..	..	
	AN e	14 31 0	..	..	..	Do.
	f	15 20 0	..	..	..	
	AE e	14 31 0	..	..	..	Do.
	f	15 20 0	..	..	..	
	AN P	16 33 34	..	..	..	
	S	16 37 46	..	..	..	
	L	16 40 33	..	..	..	
	M	16 50 33	10	2	..	
	F	17 22 0	..	..	..	
	AE P	16 33 34	..	..	..	
	S	16 37 46	..	..	..	
	L	16 40 33	..	..	..	
	M	16 43 14	22	..	6	
	F	17 28 0	..	..	..	
„ 15th	AN P	16 13 54	..	..	..	Feeble shock.
	F	16 55 0	..	..	..	
	AE P	16 13 54	..	..	..	Do.
	F	16 55 0	..	..	..	

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude (μ). An.	Amplitude (μ). Ae.	Remarks.
1930.		H. M. S.				
Dec. 16th	AN P	8 23 24	..	..	..	Feeble shock.
	S	8 26 48	..	..	..	
	L	8 28 47	..	..	..	
	F	8 46 0	..	..	..	
	AE P	8 23 24	..	..	..	Do.
	S	8 26 48	..	..	..	
	L	8 28 47	..	..	..	
	F	8 46 0	..	..	..	
„ 20th	AN e	14 30 0	..	..	..	Tremors.
	f	14 55 0	..	..	..	
	AE e	14 30 0	..	..	..	Do.
	f	14 55 0	..	..	..	
„ 21st	AN e	3 47 0	..	..	..	Do.
	f	4 12 0	..	..	..	
	AE e	3 47 0	..	..	..	Do.
	f	4 12 0	..	..	..	
	AN e	12 32 0	..	..	..	Do.
	f	13 16 0	..	..	..	
	AE e	12 32 0	..	..	..	Do.
	f	13 16 0	..	..	..	
	AN P	14 59 42	..	..	..	
	S	15 6 12	..	..	..	
	L	15 13 55	..	..	..	
	M	15 19 17	20	15	..	
	F	16 13 0	..	..	..	
	AE	Loss of record.				
„ 22nd	AN P	0 6 22	..	..	..	
	S	0 15 17	..	..	..	
	L	0 31 42	..	..	..	
	M	0 40 54	14	6	..	
	F	1 28 0	..	..	..	
	AE	Loss of record.				
	AN P	4 28 4	..	..	..	
	S	4 34 42	..	..	..	
	L	4 42 52	..	..	..	
	M	4 48 47	8	2	..	
	F	5 21 0	..	..	..	

TABLE E 2—*concld.*

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude (μ). An.	Amplitude (μ). Ae.	Remarks.
		H. M. S.				
1930. Dec. 22nd	AE P	4 28 4	..	..	..	
	S	4 34 42	..	..	..	
	L	4 42 52	..	..	..	
	M	4 48 2	11	..	2	
	F	5 21 0	..	..	..	
,, 23rd	AN P	21 47 3	..	..	..	Feeble shock.
	S	21 56 27	..	..	..	
	L	22 13 29	..	..	..	
	F	22 53 0	..	..	..	
	AE P	21 47 3	..	..	..	Do.
	S	21 56 27	..	..	..	
	L	22 13 29	..	..	..	
	F	22 53 0	..	..	..	
,, 25th	AN P	13 24 13	..	..	..	
	S	13 34 5	..	..	..	
	L	13 53 8	..	..	..	
	M	14 1 23	49	7	..	
	F	15 1 0	..	..	..	
1930. Dec. 25th	AE P	13 24 13	..	..	..	
	S	13 34 5	..	..	..	
	L	13 53 8	..	..	..	
	M	14 2 7	22	..	8	
	F	15 1 0	..	..	..	
,, 28th	AN P	14 9 5	..	..	..	Feeble shock.
	S	14 10 41	..	..	..	
	L	14 11 11	..	..	..	
	F	14 17 0	..	..	..	
	AE P	14 9 5	..	..	..	Do.
	S	14 10 41	..	..	..	
	L	14 11 11	..	..	..	
	F	14 17 0	..	..	..	
	AN Pe	14 39 49	..	..	..	Do.
	S	14 43 29	..	..	..	
	Le	14 45 31	..	..	..	
	F	14 57 0	..	..	..	
1930. Dec. 28th	AE Pe	14 39 49	..	..	..	Feeble shock.
	S	14 43 29	..	..	..	
	Le	14 45 31	..	..	..	
	F	14 57 0	..	..	..	
,, 30th	AN P	8 59 29	..	..	..	Do.
	S	9 2 59	..	..	..	
	L	9 5 7	..	..	..	
	F	9 18 0	..	..	..	
	AE P	8 59 29	..	..	..	Do.
	S	9 2 59	..	..	..	
	L	9 5 7	..	..	..	
	F	9 18 0	..	..	..	
,, 31st	AN e	4 26 0	..	..	..	Tremors.
	f	4 35 0	..	..	..	
	AE e	4 26 0	..	..	..	Do.
	f	4 35 0	..	..	..	
	AN e	20 36 0	..	..	..	Do.
	f	20 50 0	..	..	..	
	AE e	20 36 0	..	..	..	Do.
	f	20 50 0	..	..	..	

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TABLE E 3—*contd.*

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude. (μ) An.	Amplitude. (μ) Ae.	Distance Δ (Km.)	Remarks.
1930.		H. M. S.					
May 26th	AE. eP	15 51 39	3	..	..	1020	Slight shock.
	L	15 56 39	Uncertain	..	..	..	
	F	Uncertain	..	..	..	..	
„ 26th	AN. eP	15 51 51	2	..	..	..	
	L	15 56 41	Uncertain	..	..	..	
	F	Uncertain	..	..	..	..	
June 4th	AE.	..	..	..	..	..	Line congested, phases could not be distinguished.
4th	AN. eP	7 29 47	Uncertain	..	..	2380	Slight shock.
	L	7 37 47	6	..	..	..	
	F	Uncertain	..	..	..	..	
„ 4th	P	9 59 47	4	..	..	4800	Do.
	S	10 6 23	7	..	..	..	
	L	10 15 1	9	..	..	..	
	F	10 38 21	..	..	..	..	
„ 5th	AE. P	16 30 54	3	..	..	1440	Do.
	L	16 34 31	6	..	..	..	
	F	17 0 44	..	..	..	..	
„ 5th	AN. P	16 30 57	3	..	..	..	Do.
	L	16 34 40	6	..	..	..	
	F	16 57 44	..	..	..	..	
„ 19th	AE. P	13 21 48	Uncertain	..	..	7200	Do.
	S	13 30 20	8	..	..	..	
	L	13 45 7	12	..	..	..	
	F	14 26 48	..	..	..	..	
„ 19th	AN P	13 21 51	4	..	..	..	
	S	13 30 30	8	..	..	..	
	L	13 44 44	10	..	..	..	
	F	14 23 34	..	..	..	..	
„ 25th	AE. P	0 56 37	1	..	..	896	Do.
	L	0 58 41	3	..	..	..	
	F	Uncertain	..	..	..	..	
„ 25th	AN. P	0 56 51	1	..	..	..	
	L	0 58 59	3	..	..	..	
	F	1 16 29	..	..	..	..	
July 2nd	AE.	..	..	..	..	..	Clock stopped

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude. (μ) An.	Amplitude. (μ) Ae.	Distance Δ (Km.)	Remarks.
1930.		H. M. S.					
July 2nd	AN. P	21 0 26	Uncertain	..	..	2	Severe felt shock. Instt. thrown out of adjustment.
„ 3rd	AE. P	5 40 44	Uncertain 2	..	..	400	Slight shock.
	L	5 41 36		..	..	..	
	F	5 46 36	..	..	..	..	
„ 3rd	P	6 2 7	Uncertain 2	..	..	400	Do.
	L	6 2 57		..	..	..	
	F	6 9 11	..	..	..	..	
„ 3rd	P	11 51 31	Uncertain 2	..	..	400	Do.
	L	11 52 19		..	..	..	
	F	11 59 49	..	..	..	..	
„ 3rd	AN. P	5 40 23	Uncertain 2	..	..	400	
	L	5 41 17		..	..	..	
	F	5 46 27	..	..	..	..	
„ 3rd	P	6 2 15	Uncertain 2	..	..	..	
	L	6 3 2		..	..	..	
	F	6 9 12	..	..	..	..	
„ 3rd	P	11 51 17	1	..	..	400	
	L	11 52 3	2	..	..	..	
	F	11 59 43	..	..	..	..	
„ 4th	AE. P	18 55 45	1	..	..	400	Slight. Origine probably in West Assam.
	L	18 56 46	2	..	..	..	
	F	19 1 56	..	..	..	..	
„ 4th	P	21 34 55	1	..	..	..	
	L	21 36 1	..	..	..	..	
	F	21 47 55	..	..	..	..	
„ 4th	AN. P	18 55 47	1	..	..	400	
	L	18 56 47	2	..	..	..	
	F	19 1 7	..	..	..	..	
„ 4th	P	21 34 53	1	..	..	..	
	L	21 36 5	2	..	..	..	
	F	21 48 25	..	..	..	..	
„ 5th	AE. P	1 29 51	1	..	..	..	Slight shock. Origin probably in West Assam.
	L	1 30 57	2	..	..	..	
	F	1 37 58	..	..	..	..	

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude. (μ) An.	Amplitude. (μ) Ae.	Distance Δ (Km.)	Remarks.
1930.		H. M. S.					
July 5th	AE. P	2 38 11	1	..	..	..	Slight shock. Origin probably in West Assam.
	L	2 39 8	3	..	..	..	
	F	2 56 18	..	..	..	..	
„ 5th	P	8 55 45	1	..	..	..	Do.
	L	8 56 42	2	..	..	..	
	F	9 6 22	..	..	..	..	
„ 5th	P	18 20 49	1	..	..	..	Do.
	L	18 21 49	2	..	..	..	
	F	18 30 59	..	..	..	..	
„ 5th	AN. P	1 30 1	1	..	..		Do.
	L	1 31 1	2	..	..	..	
	F	1 37 35	..	..	..	..	
„ 5th	P	1 45 34	Uncertain	..	..	..	The shock began when the drum was being changed so the beginning is not found on the trace of AE. Instt.
	L	1 46 34	2	..	..	..	
	F	1 58 14	..	..	..		
„ 5th	P	2 38 9	1	..	..	..	Slight shock. Origin probably in West Assam.
	L	2 39 3	2	..	..	..	
	F	2 54 23	..	..	..	..	
„ 5th	P	8 55 35	1	..	..	..	Do.
	L	8 56 31	2	..	..	..	
	F	9 7 41	..	..	..	..	
„ 5th	P	18 20 51	1	..	..	..	Do.
	L	18 21 51	2	..	..	..	
	F	18 29 51	..	..	..	..	
„ 7th	AE. P	21 53 59	1	..	..	480	Do.
	L	21 55 1	2	..	..	..	
	F	22 4 31	..	..	..	..	
„ 7th	P	23 2 44	1	..	..	480	
	S	23 3 22	2	..	..	..	
	F	23 10 2	..	..	..	..	
„ 7th	AN. P	21 54 11	1	..	..	480	
	L	21 55 11	2	..	..	..	
	F	22 4 11	..	..	..	..	

TABLE E 3—*contd.*

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude. (μ) An.	Amplitude. (μ) Ae.	Distance (Km.)	Remarks.
1930.		H. M. S.					
July 7th	AN. P	23 2 49	1	..	..	480	Slight shock. Origin probably in West Assam.
	S	23 3 21	2	..	..	..	
	L	23 3 41	3	..	..	..	
	F	23 10 1	..	..	..	..	
„ 8th	AE. P	4 37 32	1	..	..	480	Do.
	S	4 38 12	2	..	..	..	
	L	4 38 38	3	..	..	..	
	F	4 53 54	..	..	..	..	
„ 8th	AN. P	4 37 20	1	..	..	480	
	L	4 38 20	3	..	..	..	
	F	4 54 0	..	..	..	..	
„ 8th	P	9 47 55	2	..	..	480	The pen of AE instt. was thrown out of adjustment.
	L	9 48 55	4	..	..	..	
	F	10 3 27	..	..	..	..	
„ 11th	AE. P	7 7 41	1	..	..	480	Slight shock. Origin probably in West Assam.
	L	7 8 21	2	..	..	..	
	F	7 27 37	..	..	..	..	
„ 11th	AN. P	7 7 42	1	..	..	480	
	L	7 8 24	2	..	..	..	
	F	7 28 28	..	..	..	..	
„ 12th	AE. P	12 23 34	1	..	..	480	Do.
	L	12 24 34	Uncertain	..	..	..	
	F	12 30 54	..	..	..	..	
„ 12th	P	23 40 56	Uncertain	..	..	480	Do.
	L	23 42 6	„	..	..	..	
	F	23 48 26	..	..	..	..	
„ 12th	AN. P	12 23 37	1	..	..	480	
	L	12 24 39	Uncertain	..	..	..	
	F	12 30 39	..	..	..	..	
„ 12th	P	23 41 12	1	..	..	480	Do.
	L	23 42 2	2	..	..	..	
	F	23 49 10	..	..	..	..	
„ 13th	AE. P	14 0 56	1	..	..	480	Do.
	S	14 1 42	2	..	..	..	
	L	14 2 4	4	..	..	..	
	F	14 28 6	..	..	..	..	
July 13th	AE. P	19 31 26	2	..	..	1760	Moderate shock.
	S	19 34 32	5	..	..	..	
	L	19 36 20	11	..	724	..	
	M	19 37 13	..	..	..	..	
	F	20 15 53	..	..	..	..	
„ 13th	AN. P	14 1 23	1	..	..	480	Slight shock. Origin probably in West Assam.
	S	14 2 13	2	..	..	..	
	L	14 2 29	4	..	..	..	
	F	14 27 59	..	..	..	..	
„ 13th	P	19 31 30	2	..	..	1760	Moderate shock.
	S	19 34 34	4	..	..	..	
	L	19 35 44	11	..	..	..	
	F	20 1 26	..	..	..	..	
„ 17th	AE. P	4 39 13	1	..	..	480	Slight shock. Origin probably in West Assam.
	F	4 45 45	..	..	..	..	
„ 17th	P	5 8 13	1	..	..	..	Tremors.
	F	5 14 43	..	..	..	..	
„ 17th	P	14 41 19	Uncertain	..	..	..	Do.
	F	14 52 11	..	..	..	..	
„ 17th	AN. P	4 39 20	Uncertain	..	..	..	Do.
	F	4 45 50	..	..	..	..	
„ 17th	P	5 8 14	1	..	..	..	Do.
	F	Uncertain	..	..	..	..	
„ 17th	P	14 41 20	Uncertain	..	..	..	Do.
	F	14 52 30	..	..	..	..	
„ 19th	AE. P	14 18 14	Uncertain	..	..	400	Slight shock. Origin probably in West Assam.
	S	14 18 54	2	..	..	..	
	L	14 19 15	3	..	..	..	
	F	14 24 3	..	..	..	..	
„ 19th	AN. P	14 18 25	1	..	..	400	Do.
	S	14 19 4	Uncertain	..	..	..	
	L	14 19 24	3	..	..	..	
	F	14 24 9	..	..	..	..	
„ 20th	AE. P	13 30 1	1	..	..	400	
	L	13 31 1	2	..	..	..	
	F	16 42 33	..	..	..	..	
July 20th	AE. P	19 15 25	Uncertain	..	..	400	
	S	19 16 1	1	..	..	..	
	L	19 16 21	2	..	..	..	
	F	19 21 28	..	..	..	..	
„ 20th	AN.						Driving clock of AN instt. was under repair.
„ 23rd	AE. P	21 12 19	Uncertain	..	..	320	Slight shock. Origin probably in West Assam.
	S	21 12 55	1	..	..	..	
	L	21 13 18	2	..	..	..	
	F	21 18 48	..	..	..	..	
„ 23rd	P	21 19 29	Uncertain	..	..	320	Do.
	S	21 20 9	1	..	..	..	
	L	21 20 26	2	..	..	..	
	F	21 25 7	..	..	..	..	
„ 23rd	AN.						Pen of AN instt. got lifted. No trace available.
Aug. 3rd	AE. P	1 52 4	1	..	..	840	Slight shock.
	L	1 54 4	2	..	..	..	
	F	2 0 51	..	..	..	..	
„ 3rd	AN. P	1 51 54	1	..	..	840	Do.
	L	1 54 10	2	..	..	..	
	F	Uncertain	..	..	..	..	
„ 6th	AE. P	7 33 48	Uncertain	..	..	..	Tremors.
	eF	7 50 18	..	..	..	..	
„ 6th	AN. P	7 34 2	1	..	..	..	Do.
	F	Uncertain	..	..	..	..	
„ 10th	AE. P	6 44 55	Uncertain	..	..	400	Slight shock.
	L	6 45 55	2	..	..	..	
	eF	6 53 35	..	..	..	..	
„ 10th	P	22 13 49	1	..	..	400	Do.
	L	22 14 49	2	..	..	..	
	F	22 51 37	..	..	..	..	
„ 10th	AN. P	6 44 39	1	..	..	..	
	L	6 45 37	2	..	..	..	
	eF	6 53 21	..	..	..	..	
	AN.						Pen went off the drum.

TABLE E 3—*contd.*

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude. (μ) An. Ae.	Distance (Km.)	Remarks.
1930.		H. M. S.				
Aug. 20th	AE. eP	21 3 27	Uncertain	.. ..	3200	Moderate shock.
	L	21 12 15	8	.. ..	..	
	M	21 14 5	..	.. 465	..	
	F	21 34 27	..	.. ..	..	
,, 20th	AN. eP	21 3 37	Uncertain	.. ..	3200	Do.
	L	21 12 3	8	.. ..	..	
	M¹	21 13 57	..	172 ..	..	
	M²	21 16 37	..	172 ..	..	
	M³	21 17 41	..	172 ..	..	
	F	21 34 59	..	.. ..	..	
,, 23rd	AE. P	10 59 25	3	.. ..	3[illegible]	Do.
	S	11 4 47	4	.. ..	..	
	L	11 9 7	6	.. ..	..	
	M¹	11 13 15	..	.. 103	..	
	M²	11 14 30	..	.. 103	..	
	eF	11 38 40	..	.. ..	..	
,, 23rd	AN. P	10 59 [illegible]2	2	.. ..	..	
	S	11 4 49	3	.. ..	..	
	L	11 9 8	6	.. ..	..	
	M	11 13 10	..	69 ..	..	
	eF	11 25 16	..	.. ..	..	
,, 24th	AE.	..	..	.. ..	..	Lines badly congested.
,, 24th	AN. eP	10 56 40	Uncertain	.. ..	1040	Very slight shock.
	L	10 59 10	2	.. ..	..	
	eF	11 12 31	..	.. ..	..	
Sept. 1st	AE. P	5 23 39	Uncertain	.. ..	1344	Slight shock.
	L	5 27 6	8	.. ..	..	
	eF	5 40 6	..	.. ..	..	
1st	P	17 46 39	2	.. ..	1728	
	L	17 51 3	9	.. ..	..	
	F	18 13 3	..	.. ..	..	
,, 1st	AN. P	5 23 17	6	.. ..	..	
	L	5 26 34	10	.. ..	..	
	eF	5 45 46	..	.. ..	..	
,, 1st	P	17 46 37	3	.. ..	..	
	L	17 50 58	7	.. ..	..	
	F	18 11 48	..	.. ..	..	

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude. (μ) An. Ae.	Distance (Km.)	Remarks.
1930.		H. M. S.				
Sept. 3rd	AE. P	19 5 31	Uncertain	.. ..	3584	Very feeble shock.
	L	19 15 33	,,	.. ..	..	
	F	Uncertain	..	.. ..	..	
,, 3rd	AN. P	19 5 39	Uncertain	.. ..	..	
	L	19 15 45	..	.. ..	..	
	F	Uncertain	..	.. ..	..	
,, 5th	AE.	..	..	.. ..	..	Lines badly congested.
,, 5th	AN. eP	10 22 4	Uncertain	.. ..	..	Tremors.
	F	Uncertain	..	.. ..	..	
,, 16th	AE. P	11 4 56	1	.. ..	800	Slight shock.
	L	11 7 1	6	.. ..	..	
	F	Uncertain	..	.. ..	..	
,, 16th	AN. P	11 5 12	1	.. ..	..	
	L	11 7 7	4	.. ..	..	
	F	Uncertain	..	.. ..	..	
,, 21st	AE. P	23 6 16	5	.. ..	896	Great shock.
	S	23 7 52	7	.. ..	..	
	L	23 8 27	14	.. ..	..	
	M	23 10 17	..	.. 5069	..	
	F	23 56 17	..	.. ..	..	
,, 21st	AN. P	23 6 27	5	.. ..	..	
	S	23 8 2	7	.. ..	..	
	L	23 8 40	14	.. ..	..	
	M	23 10 16	..	(206 ..	..	
	F	23 48 16	..	.. ..	..	
,, 22nd	AE. P	4 57 40	Uncertain	.. ..	848	Slight shock.
	L	4 59 46	3	.. ..	..	
	F	Uncertain	..	.. ..	..	
,, 22nd	AE.	..	..	.. ..	..	Line congested.
,, 22nd	P	14 19 51	3	.. ..	448	Slight or moderate felt shock.
	L	14 20 59	7	.. ..	..	
	F	14 53 9	..	.. ..	..	
,, 22nd	P	16 34 55	2	.. ..	800	
	S	16 36 34	3	.. ..	..	
	F	Uncertain	..	.. ..	..	
,, 22nd	AN. P	4 57 59	Uncertain	.. ..	..	
	L	4 59 53	3	.. ..	..	
	F	Uncertain	..	.. ..	..	

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude. (μ) An. Ae.	Distance (Km.)	Remarks.
1930.		H. M. S.				
Sept. 22nd	AN. P	7 17 46	Uncertain	.. ..	800	Slight shock.
	L	7 19 43	3	.. ..	..	
	F	Uncertain	..	.. ..	..	
,, 22nd	eP	14 20 13	Uncertain	.. ..	..	
	L	14 21 17	7	.. ..	..	
	eF	14 53 47	..	.. ..	..	
,, 22nd	P	16 34 50	2	.. ..	..	
	S	16 36 22	3	.. ..	..	
	L	16 37 12	4	.. ..	..	
	F	Uncertain	..	.. ..	..	
,, 23rd	AE. P	5 45 59	Uncertain	.. ..	480	Do.
	S	5 46 44	,,	.. ..	..	
	L	5 47 23	2	.. ..	..	
	F	Uncertain	..	.. ..	..	
,, 23rd	P	10 23 43	Uncertain	.. ..	640	Do.
	L	10 25 13	3	.. ..	..	
	F	Uncertain	..	.. ..	..	
,, 23rd	P	12 9 49	Uncertain	.. ..	640	Do.
	L	12 11 19	6	.. ..	..	
	eF	12 31 20	..	.. ..	..	
,, 23rd	P	14 39 42	1	.. ..	400	Do.
	S	14 40 22	2	.. ..	..	
	L	14 40 46	..	.. ..	..	
	F	Uncertain	..	.. ..	..	
,, 23rd	AN. P	5 45 49	Uncertain	.. ..	..	
	S	5 46 35	,,	.. ..	..	
	L	5 47 13	..	.. ..	..	
	F	Uncertain	..	.. ..	..	
,, 23rd	AN.	..	..	.. ..	..	Tremors throughout the trace.
,, 23rd	AN.	..	..	.. ..	..	Do.
,, 23rd	AE. P	14 39 24	1	.. ..	..	
	S	14 40 2	Uncertain	.. ..	..	
	L	14 40 26	2	.. ..	..	
	F	Uncertain	..	.. ..	..	
,, 25th	AE. P	18 36 31	Uncertain	.. ..	1068	Slight shock.
	L	18 38 55	,,	.. ..	..	
	F	Uncertain	..	.. ..	..	

TABLE E 3—*concld.*

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude. (μ) An. Ae.	Distance (Km.)	Remarks.
1930.		H. M. S.				
Sept. 25th	AN. P	18 36 44	2	.. ..	..	
	L	18 39 7	3	.. ..	..	
	F	Uncertain	..	.. ..	..	
„ 29th	AE. P	13 37 9	2	.. ..	896	Slight shock.
	L	13 37 24	4	.. ..	..	
	F	14 3 34	..	.. ..	..	
„ 29th	AN. P	13 38 13	2	.. ..	..	
	L	13 39 29	5	.. ..	..	
	eF	13 59 19	..	.. ..	..	
Oct. 8th	AE. P	10 33 37	3	.. ..	9072	Do.
	S	10 43 50	7	.. ..	..	
	L	11 53 58	..	.. ..	..	

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude. (μ) An. Ae.	Distance (Km.)	Remarks.
1930.		H. M. S.				
Oct. 8th	AN.	..	..	.. ..	..	No tremor.
„ 9th	AE. P	21 40 23	2	.. ..	1232	Slight.
	L	21 43 39	4	.. ..	..	
	F	22 0 48	..	.. ..	..	
„ 9th	AN. P	21 40 35	3	.. ..	..	
	L	21 43 32	6	.. ..	..	
	F	22 0 9	..	.. ..	..	
„ 10th	AE. P	0 39 15	Uncertain	.. ..	1232	Do.
	L	0 42 13	5	.. ..	..	
	F	1 15 19	..	.. ..	..	

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude. (μ) An. Ae.	Distance (Km.)	Remarks.
1930.		H. M. S.				
Oct. 10th	AN. P	0 39 28	Uncertain	.. ..	..	
	S	0 41 20	2	.. ..	..	
	L	0 42 28	4	.. ..	..	
	F	1 14 55	..	.. ..	..	
„ 15th	AE. P	11 15 11	2	.. ..	960	Slight.
	L	11 17 33	4	.. ..	..	
	F	Uncertain	..	.. ..	..	
„ 15th	AN. P	11 15 20	2	.. ..	..	Do.
	L	11 17 45	3	.. ..	..	
	F	11 26 29	..	.. ..	..	

STATION—CALCUTTA (ALIPORE).

ϕ=22° 32′ N ; λ=88° 20′ E ; h=7·1 m. *Subsoil*—Alluvial.

Apparatus—Milne-Shaw Seismograph. (A N Component).

In the overground Constant temperature room.

Damping ratio 20 : 1.

TABLE E 4.

	V	To	ε	$\frac{1}{To^2}$
AN	250	12	..	..

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude (μ) AN.	Distance (Km.) Δ	Remarks.
1930.		H. M. S.				
Oct. 17th	P	21 49 12	4	..	4032	Slight shock.
	L	22 0 45	14	..	..	
	F	22 19 25	..	..	..	
„ 22nd	P	18 25 17	2	..	4928	Do.
	L	18 39 57	5	..	..	
	F	19 7 37	..	..	..	
„ 24th	P	1 6 52	2	..	448	Do.
	L	1 7 46	4	..	..	
	F	1 12 39	..	..	..	
„ 24th	P	11 2 22	4	..	5152	Do.
	S	11 9 24	6	..	..	
	L	11 16 24	14	..	..	
	F	11 41 9	..	..	..	
„ 24th	P	20 25 9	4	..	6409	Moderate shock.
	S	20 32 40	7	..	..	
	L	20 38 20	15	..	..	
	M_1	20 38 51	..	72	..	
	M_2	20 48 36	..	89	..	
	F	23 59 14	..	..	..	
„ 25th	P	4 4 54	4	..	448	Slight shock.
	L	4 5 55	10	..	..	
	F	4 26 9	..	..	..	
„ 25th	P	16 48 9	5	..	3696	Do.
	L	16 58 35	14	..	..	
	F	17 39 9	..	..	..	
„ 25th	P	23 48 19	2	..	3472	Do.
	L	25 57 44	10	..	..	
	F	Uncertain	..	..	..	
„ 27th	P	23 42 19	2	..	5032	Do.
	S	23 48 49	5	..	..	
	L	23 57 4	14	..	..	
„ 28th	F	0 27 4	..	..	..	

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude (μ) AN.	Distance (Km.) Δ	Remarks.
1930.		H. M. S.				
Oct. 28th	P	21 24 2	3	..	3745	Slight shock.
	S	21 31 35	6	..	..	
	L	21 42 37	20	..	..	..
	F	22 38 47	..	..	..	
Nov. 3rd	P	16 52 11	1	..	368	Very slight shock.
	L	16 53 6	2	..	..	
	F	16 58 11	..	..	..	
„ 3rd	eP	18 56 57	2	..	7616	
	S	19 5 57	3	..	..	
	eF	19 39 2	..	..	..	
„ 4th	P	7 16 19	2	..	400	
	L	7 17 25	3	..	..	
	F	Uncertain	..	..	..	
	Omori AE					
„ 4th	P	15 42 39	4	..	800	Slight shock.
	S	15 43 57	6	..	..	Calculations made from the "Omori" as the clock of the "Milne-Shaw" stopped.
	F	16 9 37	..	..	..	
	AN					
„ 4th	P	15 42 34	4	..	..	
	S	15 43 53	6	..	..	
	F	16 9 33	..	..	..	
„ 8th	P	3 29 9	2	..	3248	Slight shock.
	S	3 34 9	5	..	..	
	L	3 37 56	9	..	..	
	eF	3 57 56	..	..	..	
„ 11th	AE	..	..	..	..	No shock was recorded on AE. instt.

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude (μ) AN.	Distance (Km.) Δ	Remarks.
1930.		H. M. S.				
	Omori AN					
Nov. 11th	P	8 37 14	2	..	3024	Slight shock.
	S	8 41 56	3	..	..	Calculations from the Milne-Shaw not possible due to bad congestion of lines.
	L	8 45 26	5	..	..	Calculations done from the "omori."
	F	Uncertain	..	..	..	
„ 13th	eP	23 19 54	Uncertain	..	4480	Very slight shock.
	S	23 26 39	7	..	..	
	L	23 34 32	10	..	..	
	eF	23 47 32	..	..	..	
„ 16th	P	3 21 49	2	..	448	Slight shock.
	L	22 54	3	..	..	
	F	Uncertain	..	..	..	
„ 17th	P	9 25 19	2	..	2688	
	eS	9 29 9	Uncertain	..	..	
	L	9 32 24	4	..	..	
	F	Uncertain	..	..	..	
„ 21st	P	2 20 21	2	..	4640	Do.
	L	2 33 56	12	..	..	
	F	Uncertain	..	..	..	
„ 22nd	P	14 20 19	5	..	11200	Do.
	eS	14 32 29	8	..	..	
	L	14 52 39	21	..	..	
	F	15 48 39	..	..	..	
	Omori AE					
„ 25th	P	19 12 9	4	..	5264	Great shock.
	S	19 19 9	6	..	..	Calculations done from the "Omori."
	L	19 27 45	28	..	..	Milne-Shaw trace was not available.
	M	19 29 55	..	AE. 948	..	
	eF	20 24 43	..	..	..	

TABLE E 4—*contd.*

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude. (μ) An.	Distance (Km.)	Remarks.
1930.		H. M. S.				
Nov. 25th	AN P	19 12 9	4	..	..	
	S	19 18 59	9	..	..	
	L	19 27 39	30	..	..	
	M	19 29 59	..	3276	..	
	F	20 35 59	..	..	..	
„ 28th	AN P	3 21 29	2	..	560	Slight shock.
	eL	3 22 47	Uncertain	..	..	
	F	Uncertain	..	..	..	
„ 28th	P	7 24 14	2	..	560	Do.
	L	7 25 24	4	..	..	
	eF	7 35 24	..	..	..	
„ 30th	P	0 43 13	2	..	400	Do.
	L	0 44 13	6	..	..	
	eF	1 7 13	..	..	..	
Dec. 1st	P	2 22 49	2	..	448	Slight shock.
	L	2 23 54	6	..	..	
	eF	2 45 54	..	..	..	
„ 2nd	P	7 3 44	5	..	992	Great shock.
	S	7 5 34	7	..	..	
	L	7 6 6	10	..	..	
	M	7 51 2	..	181	..	
	F	8 18 2	..	..	..	
„ 3rd	Omori AE	..	..	..	..	Lines badly congested.
„ 3rd	AN P	15 46 19	Uncertain	..	1230	Slight shock.
	L	15 49 33	5	..	..	Calculations done from "Omori".
	F	Uncertain	..	..	..	Milne-Shaw shutter defective.
„ 3rd	AE	..	..	..	..	Lines badly congested.
„ 3rd	AN P	16 39 27	2	..	1280	Slight shock.
	L	16 42 43	7	..	..	
	F	17 8 43	..	..	..	
„ 3rd	AE P	18 54 1	Uncertain	..	480	Great shock.
	eL	18 55 1	22	..	..	Calculations done from "Omori."
	F	Uncertain	..	..	..	Milne-Shaw Shutter defective.
„ 3rd	AN P	18 53 41	Uncertain	..	..	
	eL	18 54 47	20	..	..	Do.
	F	Uncertain	..	..	..	

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude. (μ) An.	Distance (Km.)	Remarks.
1929.		H. M. S.				
Dec. 7th	P	16 39 14	2	..	1456	Slight shock.
	L	16 52 44	7	..	..	
	F	Uncertain	..	..	..	
„ 7th	P	23 44 53	2	..	448	Do.
	L	23 45 57	6	..	..	
	F	Uncertain	..	..	..	
„ 8th	Omori AE	..	..	..	..	Lines congested.
„ 8th	AN. P	6 31 57	2	..	4256	Slight shock.
	S	6 37 57	4	..	..	Calculations done from "Omori."
	F	Uncertain	..	..	..	Milne-Shaw under adjustment.
„ 8th	AE	..	..	..	..	Lines congested.
„ 8th	AN P	8 11 19	2	..	2800	Slight shock.
	L	8 19 5	6	..	..	From "Omori."
	F	Uncertain	..	..	..	Milne-Shaw under adjustment.
„ 8th	P	17 41 7	6	..	1200	Slight shock.
	L	18 22 13	17	..	..	
	eF	19 32 21	..	..	..	
„ 9th	P	0 32 19	3	..	448	Do.
	L	0 33 31	7	..	..	
	eF	1 0 31	..	..	..	
„ 12th	Omori AE P	2 57 50	2	..	1440	Do.
	L	3 0 21	6	..	..	From "Omori."
	F	3 13 41	..	..	..	Milne-Shaw clock stopped.
„ 12th	AN P	2 57 50	Uncertain	..	..	
	L	3 0 31	5	..	..	Do.
	F	3 14 51	..	..	..	
„ 13th	P	16 33 59	Uncertain	..	2128	
	L	16 39 43	6	..	..	
	F	17 31 13	..	..	..	
„ 14th	P	17 47 5	6	..	..	Very slight. Other phases not traceable.
„ 15th	P	16 14 39	3	..	2800	Slight shock.
	S	16 19 9	6	..	..	
	L	16 22 9	10	..	..	
	F	16 46 39	..	..	..	

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude. (μ) An.	Distance (Km.)	Remarks.
1930.		H. M. S.				
Dec. 16th	P	8 27 24	3	..	480	Slight shock.
	L	8 28 27	5	..	..	
	F	Uncertain	..	..	..	
„ 16th	P	16 5 14	2	..	480	Do.
	L	16 6 24	4	..	..	
	eF	16 13 24	..	..	..	
„ 16th	P	19 19 19	3	..	480	Do.
	L	19 20 24	6	..	..	
	eF	19 26 24	..	..	..	
„ 20th	P	14 19 31	3	..	2464	Do.
	L	14 26 1	10	..	..	
	F	14 48 2	..	..	..	
„ 21st	P	14 58 31	6	..	2464	Do.
	L	15 5 2	11	..	..	
	F	16 3 4	..	..	..	
„ 22nd	P	0 2 4	3	..	6496	Do.
	L	0 22 34	9	..	..	
	eF	1 23 34	..	..	..	
„ 22nd	eP	3 27 54	6	..	..	Do.
	eF	3 45 54	..	..	..	
„ 22nd	P	4 30 59	3	..	2480	Do.
	L	4 37 14	7	..	..	
	eF	5 20 14	..	..	..	
„ 23rd	P	5 38 9	2	..	1600	Do.
	L	5 42 24	4	..	..	
	eF	Uncertain	..	..	..	
„ 23rd	eP	21 55 7	3	..	4480	Do.
	L	22 8 5	6	..	..	
	F	22 56 15	..	..	..	
„ 24th	P	0 11 9	2	..	..	Very slight, other phases could not be determined.
„ 28th	P	14 2 45	2	..	320	Slight shock.
	L	14 3 37	4	..	..	
	eF	14 12 37	..	..	..	
„ 28th	P	14 34 35	2	..	320	Do.
	L	14 35 29	6	..	..	
	eF	15 4 39	..	..	..	

S. N. SEN,

Meteorologist, Calcutta.

STATION—KODAIKANAL.

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

Apparatus—Milne's Horizontal Pendulum Seismograph.

TABLE E 5.

AE	V	To	ϵ	$\frac{r}{To^2}$	Months.
	9·76	15·5	1	3·3	January.
	9·76	15·2	1	3·4	February.
	9·76	15·1	1	3·1	March.
	9·76	15·3	1	3·3	April.
	9·76	15·5	1	3·2	May.
	9·76	16·3	1	3·1	June.
	9·76	18·5	1	2·5	July.
	9·76	18·4	1	2·6	August.
	9·76	18·6	1	2·5	September, October, November.
	9·76	18·7	1	2·6	December.

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude. (μ) / AE.	Remarks.
1930.		H. M. S.			
Jan. 5th	eP	1 34 12	..	..	
	F	2 27 42	..	..	Widening of line.
,, 5th	eP	19 11 48	..	..	
	F	19 17 54	..	..	Widening of line.
,, 12th	eP	11 22 54	..	..	
	F	11 34 12	..	..	Widening of line.
,, 25th	eP	1 49 54	..	..	
	F	2 14 36	..	..	Widening of line.
Feb. 7th	eP	16 44 42	..	..	
	iL	16 49 30	..	..	
	M	16 52 24	..	100	
	F	17 23 54	..	..	
,, 14th	iP	18 55 06	..	..	
	iL	19 12 12	..	..	
	M	19 14 30	..	40	
	F	19 29 30	..	..	
,, 23rd	eP	18 54 00	..	..	
	F	19 05 30	..	..	Widening of line.
,, 24th	eP	21 05 42	..	..	
	Fe	21 23 00	..	..	Widening of line.
Mar. 6th	eP	16 01 18	..	..	
	F	17 24 06	..	..	Widening of line.
Mar. 9th	eP	—	..	..	No P. T's.
	eL	9 00 06	..	..	
	M	9 02 00	..	50	
	F	9 20 00	..	..	
,, 10th	eP	16 35 24	..	..	
	F	16 48 36	..	..	Widening of line.
,, 15th	eP	7 11 24	..	..	
	F	7 30 30	..	..	Widening of line.
,, 26th	eP	7 22 54	..	..	
	eL	7 42 54	..	..	
	M	7 50 18	..	380	
	F	9 09 12	..	..	
,, 26th	eP	11 52 30	..	..	Widening of line.
	F	12 22 30	..	..	
,, 30th	eP	9 21 12	..	..	
	eL	9 36 24	..	..	
	M	9 39 36	..	40	
	F	10 14 30	..	..	
,, 30th	eP	15 36 24	..	..	
	eL	15 49 24	..	..	
	M	15 57 00	..	100	
	F	16 28 24	..	..	
Apl. 10th	eP	14 38 36	..	..	
	iL	14 40 18	..	..	
	M	14 41 36	..	40	
	F	14 58 12	..	..	
Apl. 21st	eP	12 24 54	..	..	
	eL	12 45 48	..	..	
	M	13 01 54	..	90	
	F	13 40 00	..	..	
,, 23rd	eP	22 14 54	..	..	
	F	23 16 30	..	..	Widening of line.
,, 23th	eP	16 44 30	..	..	
	eL	17 17 06	..	..	
	M	17 20 42	..	80	
	F	18 03 48	..	..	
,, 27th	eP	14 42 24	..	..	
	eL	14 52 06	..	..	
	M	14 59 30	..	40	
	F	15 34 48	..	..	
,, 23th	eP	..	..	..	No P. T's.
	eL	18 44 42	..	..	
	M	18 52 00	..	60	
	F	19 27 24	..	..	
May 1st	eP	1 33 54	..	..	
	F	1 51 00	..	..	Widening of line.
,, 2nd	eP	2 37 36	..	..	
	F	2 59 36	..	..	Widening of line.

TABLE E 5—*contd.*

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude. (μ) / Ae.	Remarks.
		H. M. S.			
1930.					
May 5th	eP	..	..	..	No P. T's.
	iL	13 51 24	..	..	
	M1	14 00 42	..	?	Beyond the range of the instrument.
	M2	14 08 06	..	..	
	F	17 58 36	..	..	
,, 6-7th	eP	22 42 54	..	..	
	iL	22 47 48	..	..	
	M	23 04 18	..	590	Air tremors.
	F	1 55 48	..	..	
,, 8th	eP	13 13 30	..	..	
	F	13 40 12	..	..	Widening of line.
,, 8th	eP	15 49 42	..	..	
	F	16 31 42	..	..	Widening of line.
,, 10th	eP	7 43 12	..	..	
	F	9 29 06	..	..	Widening of line.
,, 11th	eP	22 46 30	..	..	
	F	23 11 48	..	..	Widening of line.
,, 12th	eP	0 33 48	..	..	
	F	1 01 18	..	..	Widening of line.
,, 19th	eP	15 15 00	..	..	
	F	15 47 48	..	..	Widening of line.
,, 20th	eP	11 37 54	..	..	
	eL	12 08 18	..	..	
	M	12 22 24	..	40	
	F	12 40 12	..	..	
June 4th	eP	10 08 18	..	..	
	F	10 40 06	..	..	Widening of line.
,, 11th	eP	1 01 18	..	..	
	F	2 30 48	..	..	Widening of line.
,, 19th	eP	13 20 42	..	..	
	iL	13 44 54	..	..	
	M	13 53 12	..	80	
	F	14 46 06	..	..	
July 2nd	eP	21 09 42	..	..	
	iL	21 12 54	..	..	
	M	21 17 36	..	810	
	F	23 13 12	..	..	
,, 3rd	eP	0 36 00	..	..	
	F	0 44 12	..	..	Widening of line.

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude. (μ) / Ae.	Remarks.
		H. M. S.			
1930.					
July 3rd	eP	5 37 12	..	..	
	F	5 42 24	..	..	Widening of line.
,, 7th	eP	14 57 36	..	..	
	F	15 25 30	..	..	Widening of line.
,, 11th	eP	7 15 18	..	..	
	F	7 25 48	..	..	Widening of line.
,, 13th	eP	19 41 18	..	..	
	iL	19 45 48	..	..	
	M	19 46 18	..	90	
	F	20 40 30	..	..	
,, 13th	eP	14 09 30	..	..	
	F	14 26 36	..	..	Widening of line.
,, 14-15th	eP	23 32 06	..	..	
	eL	24 02 06	..	..	
	M	24 24 42	..	120	
	F	1 04 42	..	..	
,, 17th	eP	14 43 42	..	..	
	F	14 49 12	..	..	Widening of line.
,, 20th	eP	13 44 12	..	..	
	F	13 49 30	..	..	Widening of line.
,, 22nd	eP	..	..	..	No P. T's.
	eL	19 45 30	..	..	Masked by hour mark.
	M	19 46 30	..	40	
	F	?	..	..	
,, 23rd	eP	0 32 06	..	..	
	F	1 25 30	..	..	Widening of line.
Aug. 17th	eP	3 04 24	..	..	
	iL	3 05 48	..	..	
	M	3 09 00	..	110	
	F	3 28 24	..	..	
,, 17th	eP	12 37 12	..	..	
	F	13 15 24	..	..	Widening of line.
,, 18th	eP	10 21 30	..	..	
	eL	10 45 18	..	..	
	M	10 56 00	..	110	
	F	12 10 36	..	..	
,, 20th	eP	21 08 12	..	..	
	iL	21 20 12	..	..	
	M	21 24 24	..	180	
	F	22 08 12	..	..	

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude. (μ) / Ae.	Remarks.
		H. M. S.			
1930.					
Aug. 23rd	eP	11 03 24	..	..	
	iL	11 09 36	..	..	
	M	11 11 54	..	60	
	F	11 42 54	..	..	
,, 23rd	eP	15 16 48	..	..	
	F	15 28 12	..	..	Widening of line.
,, 24th	eP	9 59 12	..	..	
	F	10 11 54	..	..	Widening of line.
,, 24th	eP	11 13 06	..	..	
	F	11 18 36	..	..	Widening of line.
Sept. 1st	eP	5 32 48	..	..	
	F	5 43 30	..	..	Widening of line.
,, 1st	eP	17 56 42	..	..	
	F	18 11 48	..	..	Widening of line.
,, 2nd	eP	19 17 24	..	..	
	F	19 23 36	..	..	Widening of line.
,, 11th	eP	12 56 24	..	..	
	F	13 23 30	..	..	Widening of line.
,, 14th	eP	0 03 06	..	..	
	F	0 29 12	..	..	Widening of line.
,, 14th	eP	3 41 24	..	..	
	F	3 56 36	..	..	Widening of line.
,, 21-22nd	eP	23 10 24	..	..	
	iL	23 14 42	..	..	
	M	23 27 36	..	390	
	F	0 58 18	..	..	
,, 22nd	eP	2 08 42	..	..	
	eL	2 27 36	..	..	
	M	2 35 26	..	160	
	F	3 14 24	..	..	
,, 24th	eP	8 06 42	..	..	
	F	8 17 54	..	..	Widening of line.
,, 24th	eP	12 27 18	..	..	
	eL	12 35 42	..	..	
	M	12 38 06	..	80	
	F	12 52 42	..	..	
,, 25th	eP	19 43 42	..	..	
	iL	20 06 36	..	..	
	M	20 11 30	..	50	
	F	20 28 54	..	..	

TABLE E 5—*concld.*

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude. (μ) / Ae.	Remarks.
		H. M. S.			
1930.					
Sept. 29th	eP	13 39 42	..	..	Sheet struck up at 13h. 51m. 8.
	F	?	..	..	
„ 30th	eP	21 41 06	..	..	
	eL	22 04 30	..	..	
	M	22 07 12	..	50	
	F	23 23 06	..	..	
„ 30th & Oct. 1st	eP	23 58 42	..	..	
	F	0 07 36	..	..	Widening of line.
„ 2nd	eP	15 46 54	..	..	
	F	15 57 36	..	..	Widening of line.
„ 8th	eP	10 42 24	..	..	
	iL	11 12 12	..	..	
	M	11 18 12	..	80	
	F	18 26 00	..	..	
„ 9th	eP	21 44 06	..	..	
	F	21 53 24	..	..	Widening of line.
„ 11th	eP	0 46 00	..	..	
	F	1 11 36	..	..	Widening of line.
„ 17th	eP	9 57 18	..	..	
	F	10 15 48	..	..	Widening of line.
„ 24th	iP	20 34 42	..	..	
	iL	20 50 36	..	..	
	M	20 54 54	..	250	
	F	23 25 18	..	..	
„ 25th	eP	12 56 30	..	..	
	F	13 16 54	..	..	Widening of line
„ 31st	eP	10 59 54	..	..	
	eL	11 17 24	..	..	
	M	11 22 42	..	99	
	F	11 44 00	..	..	

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude. (μ) / Ae.	Remarks.
1930.		H. M. S.			
Nov. 4th	eP	15 53 18	..	..	
	F	16 07 48	..	..	Widening of line.
„ 8th	eP	3 35 24	..	..	
	F	3 58 42	..	..	Widening of line.
„ 9th	iP	19 18 24	..	..	
	iL	19 27 48	..	..	
	M	19 45 30	..	250	
	F	21 12 24	..	..	
„ 10th	eP	13 54 06	..	..	
	iL	14 07 24	..	..	
	M	14 10 12	..	60	
	F	15 32 18	..	..	
„ 22nd	eP	14 53 00	..	..	
	eL	14 58 24	..	..	
	M	15 02 24	..	80	
	F	15 29 12	..	..	
„ 23rd	eP	2 31 48	..	..	
	F	2 38 36	..	..	Widening of line.
„ 25th	eP	19 16 48	..	..	
	eL	19 31 00	..	..	
	M	19 47 18	..	410	
	F	22 18 06	..	..	
Dec. 2nd	iP	7 11 30	..	..	
	eL	7 17 00	..	..	
	M	7 28 42	..	60	
	F	7 37 36	..	..	
„ 3rd	eP	16 52 24	..	..	
	F	16 57 24	..	..	Widening of line.

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude. (μ) / Ae.	Remarks.
		H. M. S.			
1930.					
Dec. 3rd	iP	18 56 24	..	..	
	iL	19 00 00	..	..	
	M	19 09 06	..	1600	
	F	22 17 30	..	..	
„ 8th	eP	8 28 30	..	..	
	F	8 36 06	..	..	Widening of line.
„ 8th	eP	18 18 36	..	..	
	eL	18 26 24	..	..	
	M	18 28 24	..	40	
	F	18 45 18	..	..	
„ 10th	eP	10 55 48	..	..	
	F	11 06 48	..	..	Widening of line.
„ 13th	eP	..	..	..	No P. T's.
	eL	16 37 30	..	..	
	M	16 39 54	..	60	
	F	16 48 06	..	..	
„ 21st	eP	15 01 00	..	..	
	iL	15 05 12	..	..	
	M	15 06 48	..	50	
	F	15 29 06	..	..	
„ 22nd	eP	0 13 24	..	..	
	eL	0 35 42	..	..	
	M	0 37 48	..	40	
	F	0 49 42	..	..	
„ 25th	eP	13 55 24	..	..	
	eL	13 56 48	..	..	
	M	13 59 30	..	40	
	F	14 14 12	..	..	

T. ROYDS,

Director, Madras and Kodaikanal Observatories.

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

TABLE E-6.

Place at which felt.	Date.	G. M. T. of earthquake.	Duration.	Intensity Rossi-Forel scale.	No. of shocks.	REMARKS.
	1930	H. M.	Sec.			
Salonah (District Nowgong), Assam.	Jan. 1	15 28	about 5	5	1	
Gauhati	,, 6	23 27	about 10	6	1	
Dhubri	,, 6	23 25	1	6	1	
Salonah (District Nowgong), Assam.	,, 8	12 38	about 4	4	2	
Drosh	,, 11	9 58	5	6	1	
Cherrapunji	,, 18	21 55	1	5	1	
Yatung, Tibet	,, 24	6 49	4	5	2	
Meshed	Feb. 14	8 18	10	3	1	
Bushire	,, 15	19 07	about 10	5	1	
Drosh	Mar. 3	20 55	12	5	1	
Bushire	,, 15	23 17	about 30	7	1	
Srinagar, Kashmir	May 11	11 35	about 2	6	2	
Akyab	,, 14	8 36	4	4	3	
Gulmarg	June 5	15 27	about 3	8	3	
Jodhpur	,, 25	0 50	50	2	1	
Chittagong	July 2	21 08	about 10	5	2	
Ranchi	,, 2	21 10	about 150	7	2	
Narayanganj	,, 2	21 05	about 20	5	about 10	
Akyab	,, 2	21 10	about 10	5	3	
Salonah (District Nowgong), Assam.	,, 2	21 08	120—150	7	2 or 3	(1)
Rangpur	,, 2	21 28	about 240	9	several & continuous.	(2)
Faridpur	,, 2	21 05	about 180	7	1	
Gauhati	,, 2	20 56	about 240			
		21 00	each about 5	9		
		21 05				
		21 29				
		1 45				
		22 15	about 20		In all about 11 shocks.	
		23 00	about 5			
	,, 3	00 02	about 5			
		01 52	about 5			
		03 15	about 5			
		05 33	about 5			
		05 55	about 5			
Saugor Island	,, 2	21 08	25	5	2	
Berhampur	,, 2	21 08	about 90	9	4	(3)
Debri	,, 2	21 15	about 30	5	1	
Mymensing	July 2	21 15	2	8	about 5	
Yatung, Tibet	,, 2	21 09	1—2 each.	9	several	(4)
		21 35				
		22 04				
		22 14				
Khulna	,, 2	21 00	25 or 30	4	6 or 7	
Monywa	,, 2	22 30	about 2	5	1	
Jalpaiguri	,, 2	21 00	60	8	3	24 shocks were felt up to 31-7-31.
Cherrapunji	,, 2	21 15	120	6	3	
	,, 3	0 29	2	6	1	
	,, 3	6 10	1	2	1	
Gauhati	,, 3	11 25	about 3—5 each.	6	5	
		11 35				
		14 21				
		15 09				
		17 33				
Salonah	,, 3	0 20	3—4	4	small vibrations.	
Gauhati	,, 3	19 35	about 3 each.	6	6	
		23 30				
	,, 4	2 39				
		3 14				
		4 16				
		4 51				
Rangpur	,, 3	20 30	about 4 each.	4	5	
		22 30				
		23 30				
	,, 4	2 40				
		2 50				
		3 45				
		5 25				
		6 45				
Gauhati	,, 4	18 55	about 8	7	14	
		19 55	about 3			
		21 22	about 3			
		21 30	about 3			
		21 35	about 3			
		21 42	about 5			
		21 45	about 3			
		21 55	about 3			
	,, 5	1 22	about 3			
		1 30	about 3			
		1 45	about 10			
		2 35	about 3			
		2 39	about 3			
		4 10	about 3			
Yatung, Tibet	,, 4	11 46	about 2	5	1	
		21 35	about 1½	5	1	

(1) Slight shocks followed by continuous very severe vibrations.
(2) Sounds like distant thunder of clouds were heard. Most of the buildings of the town have been badly damaged; most of the walls have been ruptured.
(3) Rattling sound heard. Old structures fallen down; 2 men died and 6 persons wounded.
(4) Southern cable wall of hospital and northern cable wall of S. A. S. quarters collapsed. Several cracks in the walls of Military Barracks and S. & T. Godown.

TABLE E-6—*contd.*

Place at which felt.	Date.	G. M. T. of earthquake.	Duration.	Intensity Rossi-Forel scale.	No. of shocks.	REMARKS.
	1930	H. M.	Sec.			
Dhubri	July 4	23 45	3	7	3	
	,, 5	1 52	7			
		3 15	9			
	,, 5	4 00	6	7	3	
		6 39	4			
		8 10	8			
	,, 5	8 40	14	7	3	
		10 02	10			
		11 06	3			
	,, 5	11 50	8	8	3	
		12 25	5			
		13 38	6			
	,, 5	21 20	22	8	3	
		23 10	3			
		1 53	15			
Gauhati	,, 6	7 13	about 3 each.	6	4	
		10 00				
		10 05				
		15 20				
Rangpur	,, 6	1 40	3 each	4	4	
		6 00				
		6 38				
		7 35				
Gauhati	,, 6	20 52	about 2—3 each.	6	3	
	,, 7	5 00				
	,, 7	10 45				
Dhubri	,, 6	3 44	9	8	3	
		8 58	14			
		9 09	28			
	,, 6	11 41	2	5	2	
		12 49	4			
	,, 6	23 55	10	8	4	
	,, 7	4 40	12			
		14 08	7			
		15 16	14			
Gauhati	,, 7	15 59	about 2 each.		2	
		17 88				
	,, 7	21 55	about 15	7	several.	
		23 00	about 8			
	,, 8	4 31	about 15			
		9 42	about 40			
Rangpur	,, 7	21 50	about 3 each.	4	about 4	
		22 30				
		23 40				
	,, 8	5 05				
		10 00				
Dhubri	,, 7	21 35	10	6	2	
	,, 8	5 00	6			
Mymensingh	,, 7	23 00	1	5	1	
	,, 8	4 30	½	4	3	
		9 48	½	6	1	
Salonah	,, 8	9 43	3 or 4	4	..	
Yatung, Tibet	,, 8	4 40	about 2	4	several mild tremors.	
Gauhati	,, 8	10 32	about 5 each.	6	3	
		10 35				
		15 50				
	,, 8	22 20	about 12	6	3	
	,, 9	6 42	about 5			
		7 41	about 5			
Rangpur	,, 9	18 35	about 4 each.	3	3	
		18 45				
		16 00				

Place at which felt.	Date.	G. M. T. of earthquake.	Duration.	Intensity Rossi-Forel scale.	No. of shocks.	REMARKS.
	1930	H. M.	Sec.			
Gauhati	July 10	18 25	about 5	5	1	
Rangpur	,, 10	22 00	about 5 each.	3	about 6	
	,, 11	1 15				
Faridpur	,, 11	7 05	about 5	4	1	
Maymyo	,, 9	16 16	about 4	4	2	
Monywa	,, 9	15 15	about 2	5	1	
Gauhati	July 10	21 45	about 5	5	4	
	,, 11	7 12	about 15	6		
		7 14	about 5	5		
		17 30	about 5	5		
	,, 11	21 30	about 3	6	3	
	,, 12	7 35	about 3			
		16 01	about 3			
	,, 12	23 40	about 30	7	4	
	,, 13	1 15	about 3	7		
		7 40	about 3	7		
		14 00	about 30	7		
Khulna	,, 11	7 00	4 or 5	4	2 or 3	
		12 30				
Salonah	,, 11	7 07	20	4	..	
Faridpur	,, 11	7 05	about 5	4	1	
Rangpur	,, 11	18 10	about 16	4	about 16	
	,, 12	13 40	about 7	4	about 8	
	,, 13	5 05	about 7	4	..	
Yatung, Tibet	,, 13	14 02	3	5	..	Slight tremors.
Rangpur	,, 13	14 20	about 35 each.	5	4	
		18 15		4		
	,, 14	0 10		4		
		5 15		4		
Gauhati	,, 13	23 50	about 5	6	4	
	,, 14	0 15	about 5	6		
		0 22	about 5	6		
		1 19	about 5	6		
Dhubri	,, 14	14 00	about 60	7	1	
Rangpur	,, 14	5 10	7 or 8	5	2	
Gauhati	,, 15	11 54	about 12	6	1	
		17 40	5	5	1	
Dhubri	,, 15	13 46	15	6	2	
Gauhati	,, 15	21 48	15	5	..	
	,, 16	16 02	4	5	5	
Dhubri	,, 16	11 35	10	6	3	
		14 30	8	6		
		17 54	5	6		
Rangpur	,, 15	11 04	6 or 7	4	1	
		17 54	6 or 7	4	1	
	,, 16	0 09	8	4	1	
		14 40	6 or 7	..	1	
	,, 17	5 00	15 or 16	4	2	
		5 30				
Gauhati	,, 16	18 50	5	6	4	
		22 26	5			
	,, 17	4 40	5			
		5 05	10			
Dhubri	,, 17	4 30	25	6	3	
		4 45	15			
		7 30	10			

TABLE E 6—*contd.*

Place at which felt.	Date.	G. M. T. of earthquake.	Duration.	Intensity Rossi-Forel scale.	No. of shocks.	REMARKS.
	1930	H. M.	Sec.			
Dhubri	July 18	4 10 5 15	10 12	6	2	
Rangpur	,, 18	1 00	5 or 6	4	4	
		17 30	10—12			
	,, 19	0 36	7 or 8			
Drosh	,, 19	18 05	8	5	1	
Dhubri	,, 20	13 30 19 30	60 40	6	2	
Rangpur	,, 19	22 06	8 or 10	4	3	
	,, 20	13 40	15 or 16			
		19 15	10 or 12			
Gauhati	,, 20	13 30	6	6	1	
	,, 20	19 13	about 20	6	1	
Rangpur	,, 21	23 55	5 or 6	4	1	
	,, 22	21 16 21 22	15 or 16 20 or 22	6	2	
Gauhati	,, 22	11 38	about 4	5	1	
	,, 22	18 26	about 4 each	5	3	
	,, 23	9 36				
		17 17				
Dhubri	,, 23	11 35	5	5	1	
Gauhati	,, 23	21 00	5	6	3	
		21 10	5			
		21 35	about 10			
Rangpur	,, 25	0 12	8 or 9	4	1	
Dhubri	,, 24	19 50	10	5	2	
		21 30	4			
	,, 26	10 30	12	7	2	
	,, 27	3 30	3	7	1	
	,, 28	6 40	5	6		
		10 33	8	6	2	
Rangpur	,, 27	20 45	10 or 12	5	1	
Dhubri	,, 29	11 18	4	6	1	
	,, 30	1 14	5	6	1	
		16 40	8	6	1	
	,, 31	17 37	7	6	1	
		18 00	4	6	1	
	Aug. 1	6 05	6	6	1	
		12 31	7	6	1	
Rangpur	,, 3	1 50	10 or 12	5	1	
Dhubri	,, 3	1 53	5	6	1	
Gauhati	,, 3	1 54	about 5	6	1	
Dhubri	,, 3	20 30	8	8	1	
		23 30	9	8	1	
Rangpur	,, 4	10 16	5 or 6	4	1	
Gulmarg	,, 4	13 41	2	8	2	
Dhubri	,, 5	10 30	10	6	1	
Gauhati	,, 5	10 15	about 6	6	1	
Rangpur	,, 5	22 26	6 or 7	5	1	
Dhubri	,, 5	23 30	2	6	1	
	,, 6	2 30	1	6	1	
		7 30	2	6	1	
Dhubri	,, 10	7 15	9	6	1	
Gauhati	,, 10	6 36	about 8	6	2	
Rangpur	Aug. 10	6 00	10 or 12	6	1	
		21 50	8 or 10	6	1	
Dhubri	,, 10	22 10	10	6	1	
	,, 11	16 40	6	6	1	
Gauhati	,, 10	22 15	about 15	6	1	
	,, 11	21 25	about 5	6	1	
Rangpur	,, 11	16 00	6 or 7	4	1	
Dhubri	,, 13	23 40	20	6	1	
	,, 14	21 30	15	6	1	
	,, 16	20 10	about 15	6	1	
	,, 18	16 40	about 12	6	1	
	,, 19	6 05	25	6	1	
	,, 19	20 20	about 15	6	1	
	,, 20	7 15	about 10	6	1	
	,, 21	3 50	about 7	6	1	
	,, 24	0 55	about 6	6	1	
	,, 25	20 00	about 6	6	1	
		21 00	about 9	6	1	
Zanzibar	,, 26	11 58	about 2	6	1	
Dhubri	,, 27	4 45	about 4	5	1	
		21 10	about 7	6	1	
	,, 29	18 05	about 2	3	1	
Rangpur	,, 30	13 15	15—16	5	7	
Dhubri	,, 30	13 25	about 25	7	1	
	,, 30	19 35	about 28	6	1	
		19 42	about 10	6	1	
Bushire	Sept. 2	7 58	15	5	1	
Dhubri	,, 3	4 04	10	6	1	
		11 20	6	6	1	
	,, 4	4 30	about 8	6	1	
Srinagar, Kashmir	,, 5	10 18	about 3	7	1	
Gulmarg	,, 5	9 28	2	7	1	
Dhubri	,, 8	7 10	about 30	6	5	
		14 00	about 15	6		
		16 30	about 9	6		
Peshawar	,, 11	17 24	25	3	1	
Dhubri	,, 12	22 00	5	5	1	
		23 30	8	5	1	
	,, 13	16 30	3	5	1	
Drosh	,, 11	17 15	20	5	1	
Gulmarg	,, 11	16 19	nearly 2	7	1	
Dhubri	,, 16	4 30	10	6	1	
	,, 16	18 00	12	6	1	
	,, 19	12 35	about 7	6	1	
Khulna	,, 22	14 22	4 or 5	5	3	
Rangpur	,, 22	14 15	about 12	5	1	

TABLE E-6—*concld.*

Place at which felt.	Date.	G. M. T. of earthquake.	Duration.	Intensity Rossi-Forel scale.	No. of shocks.	REMARKS.
Cherrapunji . . .	Sep. 22	14 15	120	5	1	
Chittagong . . .	,, 22	14 23	about 5	3	2	
Dhubri . . .	,, 22	14 12	about 30	6	1	
Myitkyina . . .	,, 22	0 08	20	5	1	
		0 30	4	5	1	
Salonah . .	,, 22	14 20	25	5	,,	series of severe vibrations.
Gauhati . . .	,, 22	14 21	about 30	7	...	continuous trembling.
Dhubri	,, 23	5 34	about 13	6	1	
		7 15	9	6	1	
Rangpur . . .	,, 23	6 30	6—7	3	1	
Cherrapunji . . .	,, 24	14 30	1	2	1	
Dhubri	,, 24	3 12	about 6	7	1	
Gauhati . . .	,, 24	14 40	about 20	7	1	
Rangpur . . .	,, 24	14 35	6—7	2	1	
Salonah . . .	,, 25	14 36	15—20	5	1	
Gauhati . . .	,, 25	13 45	about 5	6	1	
	Oct. 5	5 26	about 5	6	1	
Rangpur . . .	,, 6	22 06	5	4	6	
Gauhati . . .	,, 8	23 37	about 7	6	1	
Rangpur . . .	Oct. 24	1 02	6	5	5	
Srinagar . . .	,, 30	20 02	about 2	6	1	
Dhubri	Nov. 1	8 51	about 30	7	1	
Rangpur . . .	,, 1	9 06	8—10	3	1	
Yatung, Tibet . .	,, 1	10 19	1½	3	3	
Dhubri	,, 3	16 45	about 5	3	1	
	,, 4	7 11	about 11	3	1	
Rangpur . . .	,, 3	16 45	7—8	3	1	
	,, 4	7 25	5—6	3	1	
Drosh	,, 13	19 40	15	6	2	
Dhubri	,, 19	7 06	10	3	1	
Drosh	,, 27	14 47	7	6	1	
Maymyo . . .	Dec. 3	19 35	about 6	5	3	
Gauhati. . . .	,, 6	17 30	about 15	5	1	
Angul	,, 16	6 35	about 3	3	1	
Cherat	,, 16	15 32	3	5	2	
Peshawar . . .	,, 16	15 50	3	5	2	
Angul	,, 26	18 00	about 3	5	1	
Gauhati . . .	,, 28	14 03	about 20	6	1	
Myitkyina . . .	,, 30	9 55	3	5	3	

J. M. SIL,
Meteorologist, Poona.

MGIPC—M—VIII-3-7—19-9-31—200

GOVERNMENT OF INDIA

METEOROLOGICAL DEPARTMENT

INDIA WEATHER REVIEW

ANNUAL SUMMARY FOR 1930

PART F

ERRATA TO MONTHLY WEATHER REPORTS

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ANNUAL SUMMARY FOR 1930.

PART F.

ERRATA SHEETS.

For the monthly Weather Reports, January to December, 1930.

B

JANUARY 1930.

Reference.	Figure Column.	For	Read
Port Blair . . .	16 and 17.	3·46 and +1·83.	3·44 and +1·81.
Victoria Point . .	16, 17, 18, 19 and 20.	0·76, +0·47, 4, +3·2 and 0·35.	1·98, +1·69, 5, +4·2 and 1·22.
Bassein . . .	1 and 2.	29·935 and —·013.	29·934 and —·014.
Akyab	1, 2, 3, 4, 7, 8 and 15.	29·963, —·006, N 20 E, 6·3 (*c*), 80·0, —0·8 and 2·6.	29·964, —0·05, N 21 E, 6·2, 79·9, —0·9 and —2·5 ; Omit (*b*) against the Station.
Bhamo	7 and 8.	75·1 and —0·8.	75·5 and —0·4.
Dibrugarh . . .	1 and 2.	29·696 and —0·04.	29·702 and +·002.
Sibsagar . . .	1 and 2.	29·692 and —·027.	29·696 and —·023.
Tezpur	16 and 17.	0·11 and —0·42.	0·13 and —0·40.
Dhubri	1, 2, 4, 5, 6, 7, 8, 13, 14 and 15.	29·905, —·013, 3·7, 56·6, 54·6, 71·8, —2·0, 87, —3, and 4·0.	29·902, —016, 3·6, 56·5, 54·5, 71·4. —2·4, 88, —2 and 4·1 ; Omit (*b*) against the Station.
Barisal	10 and 11.	53·7 and —1·3.	53·8 and —1·2.
Jessore	10, 11 and 12.	....	Insert 50·0, —3·2 and 40·9.
Saugor Island . .	3.	N 31 E (*b*).	N 31 E.
Burdwan . . .	3.	N 16 W.	N 21 W.
Sambalpur . . .	3.	N 27 E.	N.
Ranchi	1 and 2.	27·798 and —·017.	27·800 and —·015.
Page 5, Footnote . .	....	....	Omit (*b*) mean of 30 days.
Darbhanga . . .	15.	2·3.	2·0.
Patna	16, 17, 18 and 19.	0·48, —005, 2 and +0·9.	0·38, —0·15, 1 and —0·1.
Darjiling . . .	16 and 17.	0·71 and +0·16.	0·78 and +0·23.
Cox's Bazar . . .	3.	Indeterminate	calm.
Page 5		Omit (*c*) mean of 29 days from the	footnote.
Cawnpore . . .	16, 17, 18, 19 and 20.	0·15, —0·36, 1, —0·5 and 0·15.	0·35, —0·16, 2, +0·5 and 0·20.
Bahraich . . .	1 and 2.	29·585 and —·023.	29·586 and —·022.
Jhansi	1 and 2.	29·183 and —·024.	29·180 and —·027.
Mainpuri . . .	16 and 17.	1·18 and +0·55.	1·24 and +0·61.
Delhi	1 and 2.	29·263 and —·037.	29·264 and —·036.
Khushab . . .	13 and 14.	60 and —8.	62 (*b*) and —6.
Montgomery . . .	6, 13 and 14.	42·6, 76 and +4.	42·7, 77 and +5.
Khanpur . . .	1, 3, 5, 6, 10 and 15.	29·759, N 34 E, 47·8, 42·9, 40·9 and 3·7.	29·758, N 32 E, 47·6, 42·7, 40·8 and 3·6 ; Omit (*b*) against the Station.
Srinagar . . .	1, 2, 16 and 17.	24·954, —·021, 10·60 and +7·84.	24·955, —·020, 10·61 and +7·85.
Dras	1, 2, 5, 7, 8, 10, 11, 15, 16, 17, 18, 19 and 20.	20·736, —·039, —3·0, 11·8, —6·2, —14·4, —3·0, 6·4, 5·34, +2·55, 12, +3·5 and 1·10.	20·729, —·046, —2·2, 12·3, —5·7, —13·5, —2·1, 6·5, 6·89, +4·10, 13, +4·5 and 1·55 ; Omit (*b*) against the Station.

JANUARY 1930—*contd.*

Reference.	Figure Column.	For	Read
Leh	1, 2, 3, 5, 10, 11, 16 and 17.	19·590, —·049, N 19 E, 4·3, —0·2, —8·4, 0·62 and +0·26.	19·584, —·055, N 18 E, 4·8, 0·3, —7·9, 0·67 and +0·31; Omit (*b*) against the Station.
Skardu	1, 2, 5, 7, 8, 10, 11, 15, 16, 17, 18 and 19.	22·941 (*h*), —·015 (*h*), 12·1, 24·5, —9·3, 4·6, —11·3, 6·9, 2·49, +1·57, 10 and +7·4.	22·933 (*g*), —·023 (*g*), 12·5, 25·4, —8·4, 5·1, —10·8, 7·0, 2·95, +2·03, 11 and +8·4; Omit (*b*) against the Station.
Gilgit	16 and 17.	0·16 and —0·09.	0·24 and —0·01.
Peshawar . . .	1, 2, 6, 13 and 14.	28·859 (*b*), —·081, (*b*) 39·7 (*c*), 71 (*c*), and —2 (*c*).	28·864, —·026, 39·7 (*b*), 73 (*b*) and 0.
Dera Ismail Khan . .	5, 6, 10, 11, 13 and 14.	46·2, 41·6, 40·4, —0·1, 65 and —7.	46·3, 41·8, 40·5, 0, 66 and —6.
Quetta	14, 16, 17, 18 and 19.	—7 (*u*), 2·59, +0·66, 7 and +2·3.	—, 2·73, +0·80, 8 and +3·3
Chaman . . .	14.	+11 (*r*).	—
Kalat	14.	+22 (*v*).	—
Dalbandin . . .	4, 14, 16, 17, 18 and 19.	2·0., +13 (*k*), 0·86 ,—0·02, 2 and +0·2.	1·8, +13, 1·22, +0·34, 3 and +1·2.
Mirjawa . . .	6 and 7.	36·1 and 51·6.	36·1 (*k*) and 51·4.
Page 6		Omit footnote (*i*) mean of 23 days.	
Miranshah . . .		Omit (*c*) against the station and insert (*b*) instead.	
Jacobadad . . .	3, 5, 6, 7, 8, 13, 14 and 15.	N 49 E, 50·1, 44·4, 70·5, —2·7, 62, —4 and 4·2.	N 58 E, 50·2, 44·5, 70·6, —2·6, 61, —5 and 4·3.
Bika . . .	1 and 2.	29·258 and +·002.	29·259 and +·003.
Jaipur . . .	15.	3·0.	3·2.
Bhuj . .	3.	N 74 W.	N 47 W.
Sutna	1 and 2.	28·942 and —·020.	28·943 and —·019.
Hoshangabad . .	7, 8 and 15.	83·2, +3·2 and 2·3.	83·5, +3·5 and 2·5.
Seoni	15.	2·2.	1·8.
Pendra	1 and 2.	27·923 and —·031.	27·924 and —·030.
Ratnagiri . . .	7 and 8.	86·5 and —0·7.	86·7 and —0·5.
Bijapur . . .	1 and 2.	28·028 and +·009.	28·027 and +·008.
Belgaum . . .	1 and 2.	27·405 and —·001.	27·404 and —·002.
Gulbarga . . .	1 and 2.	28·462 and —·010.	28·463 and —·009.
Raichur . . .	12.	61·4.	59·0.
Cochin	6, 13 and 14.	73·4, 79 and +7.	72·6 (*k*), 75 (*k*) and +3.
Bellary	6, 13 and 14.	63·0, 66 and +1.	62·7, 65 and 0.
Calingapatam . .	1, 2, 3, 4, 5, 6, 7, 8, 10 and 11.	29·990, —·021, N 63 W, 3·8 (*c*), 66·9, 64·5, 82·0, —0·2, 63·3 and +0·5.	29·991, —·020, N 62 W, 3·8, 67·0, 64·6, 82·3, +0·1, 63·5 and +0·7; Omit (*b*) against the Station.

JANUARY 1930—*concld.*

Reference.	Figure Column.	For	Read
Mussooree . . .	1, 3, 5, 6, 10, 13, 15, 16, 17, 18 and 19.	23·335, N 57 E, 40·7, 36·6 (*k*), 36·4, 59 (*k*), 5·0, 3·80, +1·46, 5 and +1·4.	23·330, N 61 E, 40·5, 36·6 (*j*), 36·3, 61 (*j*) 5·2, 5·81, +3·47, 6 and +2·4; Omit (*b*) against the Station.
Simla	16, 17, 18 and 19.	1·64, —1·07, 5 and +0·3.	1·80, —0·91, 6 and +1·3.
Murree	4, 5, 6, 7, 8, 10, 11, 12, 13, 14, 16, 17, 18 and 19.	6·5, 38·9, 34·7 (*e*), 43·1, —3·4, 32·7, —2·2, 27·0, 65 (*e*), +5, 2·02, —1·71, 6 and +0·3.	6·3, 38·5, 34·7 (*d*), 42·9, —3·6, 32·4, —2·5, 25·0, 66 (*d*), +6, 2·42, —1·31, 7 and +1·3; Omit (*c*) against the Station.
Parachinar . . .	1, 2, 5, 10, 11 and 15.	24·433, —·039, 30·5, 25·9, —3·2 and 5·5.	24·434, —·038, 30·6, 26·0, —3·1 and 5·7; Omit (*b*) against the Station.
Drosh	4, 5, 7, 8, 10, 11 and 15.	2·6 (*c*), 30·8, 39·3, —8·5, 27·7, —4·0 and 6·3.	2·5, 30·7, 39·2, —8·6, 27·6, —4·1 and 6·5; Omit (*b*) against the Station.
Coonoor . . .	16 and 20.	1·91 and 1·64.	3·71 and 2·00.
Page 8	Insert the footnote (*d*) mean of 28 days and (*j*) mean of 22 days.		

FEBRUARY 1930.

Reference.	Figure Column.	For	Read
Victoria Point . .	7 and 8.	88·0 and —0·7.	88·3 and —0·4.
Gwa	5, 6 and 13.	68·7, 65·9 and 85.	68·5, 65·8 and 86.
Lashio	15, 16, 17, 18 and 19.	3·0, 0·81, +0·51, 3 and +2·0.	3·4, 0·91, +0·61, 4 and +3·0.
Myitkyina . . .	1, 2, 3, 4, 6, 10, 11, 15, 16, and 17.	29·520, +·043, N 14 E, 3·2 (*f*), 57·1, 54·5, +0·4, 2·3, 0·30 and —0·55.	29·523, +·046, N 17 E, 3·1, 57·0, 54·4, +0·3, 2·5, 0·29, and —0·56; Omit (*e*) against the Station.
Tezpur	10 and 11.	55·6 and —0·1.	55·7 and 0.
Cox's Bazar . . .	16, 17, 18, 19 and 20.	0·09, —0·28, 0, —0·7 and 0·06.	0·24, —0·13, 1, +0·3 and 0·15.
Jessore	10 and 11.	51·9 and —2·4.	56·9 and —0·4.
Saugor Island . .	10 and 11.	62·8 and —2·0.	63·0 and —1·8.
Mymensingh . . .	7 and 8.	82·4 and +3·3.	82·5 and +3·4.
Cuttack . . .	10 and 11.	60·8 and —4·5.	61·0 and —4·3.
Sambalpur . . .	4.	0·7 (*f*).	0·7 (*g*).
Page 13 footnote . .	....	....	Insert (*g*) mean of 24 days.
Darbhanga . . .	7 and 8.	76·7 and —0·2.	76·9 and 0.
Naya Dumka . .	1, 2, 4, 5, 6, 7, 8, 10 and 11.	29·506, +0·38, 2·1 (*f*), 63·5, 57·6, 80·5, +0·2, 54·4 and —1·3.	29·505, +037, 2·0, 63·8, 57·8, 80·9, +0·6, 54·5 and —1·2; Omit (*e*) against the Station.
Cherrapunji . . .	16, 17, 18 and 19.	1·76, —0·96, 3 and —0·6.	1·99, —0·73, 4 and +0·4.
Khushab . . .	1 and 2.	29·401 and +·022.	29·402 and +·023.
Dras	1, 2, 3, 4, 5, 7, 8, 10, 11, 15, 16, 17, 18 and 19.	20·828, +·089, S 66 W, 0·5, —5·4, 14·5, —7·3, —14·1, —3·4, 4·6, 5·00, +2·33, 7 and —0·1.	20·817, +·078, S 75 W, 0·9, —4·1, 15·2, —6·6, —12·9, —2·2, 4·8, 6·70, +4·03, 8 and +0·9; Omit (*e*) against the Station.
Leh	1,2, 5, 10, 11 and 15.	19·672, +·074, 9·4, 5·1, —4·8 and 6·7.	19·666, +·068, 10·1, 5·8, —4·1 and 6·9; Omit (*e*) against the Station.
Skardu	1, 2, 5, 7, 8, 10, 11, 16, 17, 18, 19 and 20.	22·996, +·100, 13·4, 32·6, —5·6, 5·8, —12·8, 0·36, —0·31, 2, —0·3, and 0·17.	22·888 (*p*), —·011 (*p*), 14·2, 33·0, —5·2, 6·7, —11·9, 0·61, —0·06, 3, +0·7 and 0·25; Omit (*e*) against the Station.
Peshawar . . .	5, 6, 10, 11, 13, 14 and 15.	48·7, 45·3, 45·4, +1·6, 75, +2 and 5·3.	49·0, 45·5, 45·7, +1·9, 74, +1 and 5·5; Omit (*e*) against the Station.
Quetta	1, 2, 3, 4, 5, 7, 8, 10, 11, 13, 15, 16 and 17.	24·739, +·061, S 49 E, 4·1, 33·9, 57·0, +4·5, 30·5, —2·1, 67 (*s*), 4·7, 0·80 and —1·06.	24·737, +·059, S 53 E, 4·3, 34·3, 57·3, +4·8, 30·7, —1·9, 66 (*r*), 4·9, 0·82 and —1·04; Omit (*e*) against the Station.
Mirjawa . . .	1, 4, 5, 6, 7, 10, 13 and 15.	27·201, 7·3 (*f*), 45·1, 43·9 (*l*), 71·1, 43·8, 63 (*l*) and 2·4.	27·202, 7·5, 44·8, 43·4 (*k*), 70·9, 43·5, 63 (*k*) and 2·3; Omit (*e*) against the Station.
Page 14 . . .	Omit the footnote (*l*) mean of 20 days and (*s*) mean of 13 days and insert (*p*) mean of 16 days (*k*) mean of 21 days and (*r*) mean of 14 days,		
Bikaner . . .	1 and 2.	29·238 and +·048.	29·239 and +·049.
Jhalrapatan . . .	1, 7 and 10.	29·922, 82·5 and 50·0.	28·923, 82·7 and 49·9; Omit (*e*) against the Station.

FEBRUARY 1930—*concld.*

Reference.	Figure Column.	For	Read
Dwarka . . .	1 and 2.	29·992 and +·022	29·994 and +·024.
Marmagao . . .	3.	N 52 E.	N 51 E.
Karwar . . .	7 and 8.	87·4 and +1·4.	87·5 and +1·5.
Malegaon . . .	1 and 2.	28·556 and +·042.	28·557 and +·043.
Sholapur . . .	7 and 8.	89·7 and —1·8.	89·8 and —1·7.
Mangalore . . .	1 and 2.	29·877 and +·022	29·879 and +·024.
Vellore	1 and 2.	29·257 and +·012.	29·258 and +·013.
Masulipatam . . .	1 and 2.	29·975 and +·019.	29·976 and +·020.
Cocanada . . .	16, 17 and 20.	0, —0·32 and 0.	0·05, and —0·27 and 0·05.
Dharampore (*a*) . .	16, 18 and 20	1·75, 2 and 1·20.	3·15, 3 and 1·40.
Drosh (*e*) . . .	6.	37·9 (*r*).	—
Coonoor . . .	1, 5, 6 and 13.	24·498, 59·1, 53·0 and 69.	24·502, 59·4, 52·6 and 67.

MARCH 1930.

Reference.	Figure Column.	For	Read
Bassein . . .	10 and 11.	70·4 and —0·7.	70·6 and —0·5.
Diamond Island . .	3.	N 24 W.	N 28 W.
Mandalay . . .	1, 2, 4, 5, 6, 7, 8, 10, 11, 12, 13 and 14.	29·610, —·009, 2 6 (c), 76·5, 66·5, 97·3, —0·8, 69·6, +1·3, 62·9, 57 and +4.	29·612, —·007, 2·5, 76·2, 66·4, 96·9, —1·2, 69·4, +1·1, 62·1, 56 and +3; Omit (b) against the Station.
Page 21 . . .		Omit the footnotes (b) mean of 30 days and (c) mean of 29 days.	
Narayanganj . . .	15.	3·5.	3·6.
Barisal	3.	S 9 E.	S 4 E.
Mymensingh . . .	1 and 2.	29·831 and +·010.	29·829 and +·008.
Rawalpindi . . .	1, 2, 6, 7, 8, 10 and 11.	28·163, —·041, 52·8 (b), 78·5, +3·5, 51·9 and +1·6.	28·162, —·042, 53·0, 78·6, +3·6, 51·8 and +1·5.
Khushab . . .	1, 2, 4, 10 and 11.	29·238 (b), —·040, 5·4, 57·7 and +1·6.	29·231, —·047, 5·6, 57·9 and +1·8.
Montgomery . . .	1 and 2.	29·283 and —·035.	29·273 and —·045.
Peshawar . . .	1.	29·715.	28·715.
Miranshah . . .	10, 16, 18 and 20.	51·9, 0·86, 2 and 0·59.	52·1, 1·74, 4 and 0·90.
Quetta	1, 2, 3, 4, 5, 6, 7, 8, 10, 11, 13, 14 and 15.	24·685, +·019, N 86 E, 5·4, 43·1, 39·0 (h), 64·7, +1·6, 37·4, —2·7, 67, +3 and 4·3.	24·687, +·021, S 75 E, 5·1, 43·5, 39·2, 65·6, +2·5, 38·1, —2·0, 66 (e), +2 and 4·2; Omit (d) against the Station.
Mirjawa . . .	3.	N 71 W.	N 75 W.
Page 22 . . .		Insert the footnote (e) mean of 27 days.	
Hyderabad (Sind) . .	4, 6, 7, and 10.	3·5 (b), 62·3 (b), 93·6 (b) and 43·9 (b).	3·5, 62·4, 93·6 and 63·9.
Bhuj	4.	7·7.	4·1.
Dwarka . . .	15.	2·3.	2·5.
Veraval . . .	1 and 2.	29·893 and 0.	29·891 and —·002.
Neemuch . . .	10, 11, 12 and 13	60·5, —0·6, 46·0 and 32 (b).	60·9, —0·2, 48·0 and 32.
Akola	1 and 2.	28·926 and —·026.	28·927 and —·025.
Ratnagiri . . .	1, 2 and 3.	29·651, —·033 and N 60 E.	29·652, —·032 and N 63 E.
Malegaon . . .	12.	63·0.	53·0.
Sholapur . . .	7 and 8.	99·0 and +0·8.	98·9 and +0·7.
Bijapur . . .	1, 2 and 15.	27·947, +·010 and 0·9.	27·943, +·006 and 1·1.
Belgaum . . .	16 and 17.	0·46 and +0·19.	0·47 and +0·20.
Mysore	1 and 2.	27·392 and —·013.	27·393 and —·012.
Nellore	6, 16 and 17.	74·1, 0·21 and +0·06.	74·2, 0·20 and +0·05.
Maymyo . . .	1, 2, 3, 4, 6, 7, 8, 10, 11, 16, 17, 18 and 19.	26·409, —·004, S 31 W, 2·2 (c), 58·8, 79·9, —1·2, 53·1, +2·5, 1·62, +1·16, 2 and +1·1.	26·406, —·007, S 26 W, 2·3, 58·7, 80·0, —1·1, 53·0, +2·4, 1·76, +1·30, 3 and +2·1; Omit (b) against the Station.

MARCH 1930—*concld.*

Reference.	Figure Column.	For	Read
Mukteswar . . .	16 and 17.	1·21 and —0·98.	1·22 and —0·97.
Parachinar . . .	1, 2, 16 and 17.	24·424, +·013, 4·64 and +0·10.	24·423, +·012, 4·70 and +0·16.
Drosh	16,17, 18 and 19.	3·53 +0·11, 5 and —2·4.	4·63, +1 21, 7 and —0·4.
Mercara . . .	16 and 17.	0·87 and +0·26.	0·83 and +0·22.

APRIL 1930.

Reference.	Figure Column.	For	Read
Yamethin . . .	5, 10 and 11.	83·8, 77·2 and +1·1.	83·7, 76·8 and +0·7.
Myitkyina . . .	4, 5, 10, 11, 12 and 15.	5·2, 74·8, 68·2, +1·6, 61·6 and 5·5.	5·4, 74·7, 67·9, +1·3, 61·2 and 5·3; Omit (*b*) against the station.
Dibrugarh . . .	6 and 13.	67·5 (*l*) and 85 (*c*).	67·5 and 85.
Silchar	5, 6, 16 and 17.	75·3, 71·2, 14·21 and —0·12.	75·0, 70·9, 14·28 and —0·05.
Cox's Bazar . . .	3.	S 34 E (*c*).	S 27 E.
Chittagong . . .	3 and 4.	S 53 E and 7·4 (*n*).	S 48 E and 9·3.
Jessore	1 and 2.	29·751 and +003.	29·750 and +002.
Berhampore . . .	4 and 17.	4·0 and —1·40.	3·8 and —1·19.
Balasore . . .	5, 13 and 14.	83·1, 74 and —1.	82·9, 73 and —2.
Cuttack . . .	16 and 17.	0·89 and —0·26.	0·97 and —0·18.
Ranchi	3.	S 42 W.	S 38 W.
Page 29 Footnote . .	....	....	Omit (*e*) mean of 29 days and (*n*) mean of 18 days.
Patna	7 and 8.	99·2 and +0·2.	99·3 and +0·3.
Gaya	7 and 8.	102·0 and —0·3.	102·1 and —0·2.
Naya Dumka . .	15.	3·6.	3·7.
Benares . . .	1, 2, 3, 4, 5, 6, 7, 8, 10, 11, 13, 14 and 15.	29·489, +·012, S 71 W, 5·9, 81·8, 67·2, 100·0, —2·1, 71·2, —0·2, 43, —3 and 1·7.	29·485, +·008, S 77 W, 5·6, 82·4, 67·3, 100·7, —1·4, 71·3, —0·1, 42, —4 and 1·6; Omit (*f*) against the station.
Khushab . . .	4.	6·2.	6·8.
Khanpur . . .	1, 3, 4, 5, 6, 7, 10 and 15.	29·490, N 15 E, 3·6, 78·3, 64·6, 97·5, 63·6 and 2·8.	29·489, N 18 E, 3·7, 78·4, 64·7, 97·7, 63·7 and 2·7; Omit (*c*) against the station.
Srinagar . . .	16 and 17.	9·21 and +5·42.	9·18 and +5·39.
Leh	1 to 20.	....	19·683, +·006, S 1 E, 2·7, 38·6, 33·9 (*l*), 54·3 (*w*), —3·8 (*w*), 59·2, 30·3, +0·1, 18·0, 54 (*l*), +5, 6·4, 0·90, +0·67, 3, +2·2 and 0·50.
Skardu	1 to 20.	....	22·913, +·064, S 11 W, 2·2, 47·5, 43·3, 59·6, —2·5, 68·1, 40·5, —1·8, 32·0, 73, +16, 6·5, 1·77, +0·64, 3, +0·2 and 1·44.
Page 29 . . .	Omit the footnote (*b*) mean of 30 days.		
Miranshah . . .	1, 6, 13, 16 and 18.	26·816, 56·0, 47, 3·55 and 7.	26·813, 55·6 (*c*), 45, 3·66 and 8.
Quetta	7 and 8.	72·6 and —0·8.	72·4 and —1·0.
Dalbandin . .	16, 17 and 20.	0·05, —0·25 and 0·03.	0·10, —0·20 and 0·05.
Page 30 . . .	Insert the footnotes (*l*) mean of 20 days and (*w*) mean of 9 days and omit (*f*) mean of 26 days.		
Hyderabad (Sind) . .	4.	5·5.	4·2.
Karachi . . .	7, 8 and 15.	85·6, +0·8 and 2·7.	85·2, +0·4 and 2·9.

APRIL 1930—*concld.*

Reference.	Figure Column.	For	Read
Bhuj	4.	7·2.	6·2.
Surat	4.	7·5.	3·5.
Seoni	15.	2·0.	2·1.
Nagpur . . .	6, 13 and 14.	66·1, 31 and —3.	65·6, 30 and —4.
Raipur	1, 2, 3, 4, 5, 6, 7, 8, 10, 11, 13 and 14.	28·819, +·015, N 75 W, 2·8, 84·8, 68·2, 101·0, —2·0, 73·8, —2·5, 39 and 0.	28·813, +·009, S 88 W, 2·7, 84·9, 68·1, 101·3, —1·7, 74·2, —2·1, 38 and 0.
Kanker . . .	1.	28·488.	28·484.
Karwar . . .	3.	N 38 W.	N 29 W.
Ahmadnagar . . .	10 and 11.	70·0 and +0·5.	69·7 and +0·2.
Bijapur . . .	1 and 2.	27·886 and +·007.	27·887 and +·008.
Nizamabad . . .	1, 2 and 4.	28·571, +·018 and 2·4.	28·567, +·014 and 2·4 (*d*).
Cuddalore . . .	1 and 2.	29·805 and +·016	29·804 and +·015.
Kurnool . . .	1, 2, 6, 13 and 14.	28·897, +·018, 75·0 (*d*), 58 and +4	28·874, —·005, 74·2 (*f*), 54 and 0.
Nellore	1 and 2.	29·762 and +·022.	29·760 and + ·020.
Vizagapatam . . .	1, 2, 16 and 17.	29·693, —·083, 0·18 and —0·53.	29·695, +·005, 0·17, and —0·54.
Calingapatam . .	6, 13 and 14.	78·7, 76 and —1.	78·4, 75 and —2.
Gopalpur . . .	1, 2, 3, 4, 5, 6, 15, 16 and 17.	29·742, +015, S 59 W, 12·7 (*d*), 83·1, 77·2, 1·9, 1·76 and +0·97.	29·743, +·016, S 64 W, 12·7, 83·0, 77·1, 2·2, 1·82 and +1·03; Omit (*c*) against the station.
Mukteswar . .	16 and 17.	1·16 and —0·44.	1·22 and —0·38.
Mussooree . . .	3, 16 and 17.	N 86 E, 4·11 and +1·67.	N 82 E, 1·41 and —1·03.
Simla	16, 17, 18 and 19.	1·04, —0·90, 4 and +0·1.	1·17, —0·77, 5 and +1·1.
Dalhousie . . .	16.	5·96.	5·88.
Cherat . . .	16, 17, 18, 19 and 20.	6·31, +3·65, 6, +0·9 and 2·48.	10·74, +8·08, 9, +3·9 and 2·95.
Parachinar . . .	1 and 2.	24·401 and +·011.	24·397 and +·007.
Drosh	4, 5, 7, 8, 15, 16, 17, 18 and 19.	2·0 (*c*), 50·7, 64·0, —5·0, 6·4, 6·92, +2·77, 13 and +4·9.	2·2, 50·6, 63·9, —5·1, 6·6, 7·40, +3·25, 14 and +5·9; Omit (*b*) against the station.
Mercara . . .	16, 17, 18 and 19.	1·77, —0·86, 4 and —1·0.	1·44, —1·19, 3 and —2·0.
Page 32 . . .	Omit the footnotes (*b*) mean of 30 days, (*c*) mean of 29 days and (*d*) mean of 28 days and insert (*f*) mean of 26 days.		

MAY 1930.

Reference.	Figure Column.	For	Read
Port Blair . . .	16, 17 and 20.	10·21, —5·65 and 1·45.	9·11, —6·75 and 1·42.
Victoria Point . .	16 and 17.	33·32 and +16·24.	32·42 and +15·34.
Tavoy	3 and 4.	S 48 E and 3·0.	S 49 E and 2·8.
Toungoo . . .	1, 2, 5, 10, 11, 13, 14 and 15.	29·622, +·011, 81·0, 76·7, +0·1, 83, +2 and 7·6.	29·620, +·009, 81·1, 76·8, +0·2, 81, 0 and 7·50; Omit (*b*) against the station.
Yamethin . .	1, 2, 4, 5, 7, 8, 10, 11, 15, 16, 17, 18 and 19.	29·117, +·013, 4·4 (*c*), 80·4, 93·7, —3·0, 75·8, —0·9, 5·3, 10·15, +4·35, 13 and +5·1.	29·115, +·011, 4·4, 80·3, 93·5, —3·2, 75·7, —1·0, 5·5, 10·27, +4·47, 14 and +6·1; Omit (*b*) against the station.
Lashio	1, 2, 4, 5, 6, 10 and 11.	27·000, +·009, 1·7 (*c*), 72·3, 68·5, 66·3 and —0·5.	27·002, +·011, 1·7, 72·4, 68·4, 66·5 and —0·3; Omit (*b*) against the station.
Bhamo	16, 17 and 20.	2·76, —3·38 and 0·76.	6·64, +0·50 and 4·31.
Chittagong . . .	4.	7·6 (*c*).	7·9.
Narayanganj . . .	16 and 17.	8·48 and —0·93.	8·46 and —0·95.
Barisal	1, 2, 16, 17, 18 and 19.	29·706 (*b*), +·013, 4·09, —4·93, 8, and —1·8.	29·704, +·011, 4·07, —4·95, 9 and —0·8.
Berhampore . . .	10 and 11.	76·4 and 0.	76·5 and +0·1.
Cuttack . . .	15, 16 and 17.	5·4, 2·78 and —1·17.	5·5, 2·84 and —1·11.
Chaibasa . . .	3, 5, 6, 7 8 and 15.	S 10 W, 86·0, 76·3, 104·0, +1·0 and 4·5.	S 14 W, 86·3, 76·6, 104·3, +1·3 and 4·1.
Ranchi	1, 2, 10, 11, 16, 17, 18 and 19	27·551, +012, 74·7, —0·6, 0·01, —2·40, 0 and —4·9.	27·552, +013, 74·2, —1·1, 0·11, —2·30, 1 and —3·9.
Page 37 Footnote . .		....	Omit (*b*) mean of 30 days.
Darbhanga . . .	3.	N 85 E.	E.
Gaya	7 and 8.	105·7 and +1·3.	105·6 and +1·2.
Naya Dumka . .	5 and 15.	84·5 and 4·8.	84·2 and 4·7.
Shillong . . .	6.	61·5.	61·6.
Khushab . . .	4, 5, 6, 10, 11, 13 and 14.	6·5 (*b*), 88·6 (*b*), 67·1 (*b*), 75·5, —1·2, 28 and —6.	6·3, 89·1, 67·1, 75·8, —0·9, 27 and —7.
Lyallpur . . .	1 and 2.	29·055 and +·047.	20·054 and +·046.
Montgomery . . .	1 and 2.	29·081 and +·035.	29·078 and +·032.
Dras	16, 17, 18 and 19.	2·00, —0·39, 4 and —1·0.	2·10, —0·29, 5 and 0.
Leh	1 to 20	....	19·740, +·027, S 14 E, 3·5, 48·3, 37·6, 61·9, —2·0, 70·9, 36·7, —0·2, 30·4, 40, +1, 4·9, 0·03, —0·18, 0, —0·7 and 0·02.
Skardu	1 to 20.	....	23·911, +·083, Calm, 2·5, 58·4, 52·1, 71·9, —0·8, 88·6, 47·6, —2·3, 42·7, 64, +12, 3·8, 0·12, -0·84, 0, —2·0 and 0·05.
Peshawar . . .	1, 2, 4, 5, 7, 8, 13, 14 and 15.	28·518, +·008, 3·5, 87·4, 100·0, —0·6, 31, —13 and 2·5.	28·517, +·007, 3·4, 87·5, 100·1, —0·5, 30, —14 and 2·4; Omit (*b*) against the station.

MAY 1930—*contd.*

Reference.	Figure Column.	For	Read
Quetta	16, 17 and 20.	0·03, —0·34 and 0·03.	0·11, —0·26 and 0·08.
Jacobabad . . .	5, 6, 7, 8, 10, 11, 13 and 14.	93·0, 74·0, 113·0, +0·9, 80·0, +1·3, 38 and —6.	92·6, 74·4, 112·6, +0·5, 79·8, +1·1, 40 and —4.
Hyderabad (Sind) . .	5, 6, 7, 8, 10, 11, 13 and 14.	88·0, 76·0, 107·0. 0, 79·0, +0·8, 55 and 0.	88·5, 75·6, 107·4, +0·4, 79·4, +1·2, 53 and —2.
Karachi . . .	5, 6, 7, 8, 10, 11, 13 and 14.	83·0, 78·0 88·0,—0·9, 79·0, +0·3, 79 and —1.	82·6, 78·5, 88·3, —0·6, 78·6, —0·1, 83 and +3.
Bikaner . . .	4, 5, 6, 7, 8, 10, 11, 13 and 14.	5·0, 89·0, 74·0, 105·0, —2·4, 79·0, —3·3, 47 and +3.	5·3 (*c*), 88·9, 74·3, 105·1, —2·3, 79·3 —3·0 48 and +4.
Jodhpur . .	5, 6, 10, 11, 13 and 14.	89·0, 69·0, 81·0, +1·2, 32 and —9.	88·6, 69·1, 80·8, +1·0, 33 and —8.
Jaipur	5, 6, 7, 8, 10, 11, 13 and 14.	89·0, 69·0, 105·0, —1·1, 77·0, —1·1, 33 and —4.	89·2, 68·7, 104·7, —1·4, 77·2, —0·9, 31 and —6.
Ajmer	5, 6, 7, 8, 13 and 14.	88·0, 67·0, 102·0, —1·4, 30 and —13.	87·5, 67·4, 101·8, —1·6, 32 and —11.
Kotah	5, 6, 10 and 11.	94·0, 71·0, 82·0 and —3·0.	94·1, 71·3, 81·8 and —3·2.
Jhalrapatan . . .	6, 7, 10 and 13.	70·0, 107·0, 78·0 and 34.	69·6, 106·5, 78·5 and 33.
Deesa	5, 6, 7, 8, 10, 11 and 20.	87·0, 74·0, 110·0, + 3·0, 78·0, + 0·6 and 0.	86·8, 73·6, 109·8, + 2·8, 78·2 + 0·8 and 0·03.
Bhuj	5, 6, 7, 8, 10 and 11.	84·0, 74·0, 102·0, + 0·8, 78·0 and —1·4.	84·2, 74·4, 101·9, + 0·7, 77·7 and + 1·1.
Dwarka . . .	5, 6, 7, 8, 10, 11, 13 and 14.	83·0, 79·0, 88·0, —0·1, 81·0, +0·7, 83 and +2.	83·3, 78·8, 87·8, —0·3, 80·6, +0·3, 81 and 0.
Rajkot	5, 6, 7, 8 10 and 11.	85·0, 77·0, 106·0, +0·9, 77·0 and +1·9.	84·9, 76·7, 105·8, +0·7, 76·5 and +1·4.
Veraval . . .	5, 6, 7, 8, 10, 11, 13 and 14.	83·0, 78·0, 86·0, —0·2, 79·0, +0·4, 79 and —3.	82·5, 78·5, 86·5, +0·3, 79·3, +0·7, 83 and +1.
Surat	4, 5, 6, 7, 8, 10, 11, 13 and 14.	15·4, 86·0, 79·0, 97·0, —0·4, 80·0, +1·5, 72 and +5.	6·1, 86·1, 78·5, 96·5, —0·9, 80·1, +1·6, 70 and +3.
Ahmadabad . . .	5, 6, 7, 8, 10 and 11.	87·0, 75·0, 106·0, —1·4, 78·0 and —1·2.	87·3, 75·2, 106·1, —1·3, 78·4 and —0·8.
Neemuch . . .	5, 6, 7, 8, 10, 11, 16, 17, 18 and 19.	87·0, 69·0, 104·0, +0·4, 76·0 —1·2, 1·53, +0·86, 3 and +1·6.	87·3, 69·4, 103·6, 0, 76·3, —0·9, 1·73, +1·06, 4 and +2·6.
Indore	5, 6, 7, 8, 10 and 11.	87·0, 68·0, 103·0, +0·1, 77·0, and +0·9.	87·2, 68·4, 103·4, +0·5, 77·1 and +1·0.
Nowgong . . .	5, 6, 7, 8, 10, 11, 13, 14, 16, 17, 18, 19 and 20.	93·0, 71·0, 109·0, +2·0, 78·0, —1·7, 30, —5·0, —0·39, 0, —1·0 and 0.	92·9, 71·5, 108·7, +1·7, 78·5, —1·2, 31, —4, 0·18, —0·21, 1, 0, and 0·11.
Sutna	5, 6, 7, 8, 10, 11, 13 and 14.	91·0, 68·0, 106·0, +0·8, 79·0, —0·6, 26 and —6.	91·1, 67·5, 105·5, +0·3, 78·7, —0·9, 24 and —8.
Akola	5, 6, 7, 8, 10 and 11.	90·0, 71·0, 108·0, 0, 83·0 and +2·0.	90·3, 71·2, 107·9, —0·1, 82·5 and +1·5.
Amraoti . . .	5, 6, 7, 8, 10, 11, 13 and 14.	92·0, 71·0, 107·0, —0·5, 83·0, +2·7, 34 and —5.	91·5, 71·3, 106·9, —0·6, 82·5, +2·2, 35 and —4.
Khandwa . . .	4 and 5.	7·7 and 88·7.	7·9 and 88·5.

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Reference.	Figure Column.	For	Read
Saugor . . .	15.	2·5.	2·6.
Seoni	1 and 3.	27·689 (*b*) and N 15 W.	27·689 and N 12 W.
Kanker . . .	1, 3 and 4.	28·386, S 81 W and 5·1.	28·387, S 83 W and 4·8.
Chanda . . .	1 and 2.	29·048 and —·009.	29·049 and —·008.
Malegaon . . .	16, 17, 18 and 19.	0·25, —0·63, 1 and —0·3.	0·39, —0·49, 2 and +0·7.
Sholapur . . .	1 and 2.	28·204 and +·008.	28·206 and +·010.
Aurangabad . . .	3.	N 84 W.	N 88 W.
Nizamabad . . .	16, 17, 18, 19 and 20.	0·20, —0·41, 1, —0·5 and 0·19.	0, —0·61, 0, —1·5 and 0.
Gulbarga . . .	5.	85·6 (*b*).	85·5.
Hyderabad (Dn.) . .	16, 17, 18, 19 and 20.	0, —1·00,0, —2·3 and 0.	0·10, —0·90, 1, —1·3 and 0·10.
Calicut	16 and 17.	22·45 and +13·92.	22·49 and +13·96.
Cochin	10 and 11.	77·4 and —0·2.	77·5 and —0·1.
Pamban . . .	1 and 2.	29·736 and +·007.	29·735 and +·006.
Cuddapah . . .	16, 17, 18 and 19.	6·90, +5·33, 6 and +3·2.	7·11, +5·54, 7 and +4·2.
Bellary	16, 17, 18 and 19.	2·17, +0·21, 6 and +2·6.	2·41, +0·45, 7 and +3·6.
Nellore	16 and 17.	7·99 and +7·16.	8·01 and +7·18.
Maymyo . . .	16, 17, 18 and 19.	11·73, +2·03, 13 and +1·2.	12·00, +2·30, 14 and +2·2.
Mussooree . . .	1, 16, 17, 18 and 19.	23·345, 1·90, —1·88, 3 and 3·0.	23·342, 2·25, —1·53, 4 and —2·0.
Murree	4, 5, 7, 8, 10, 11, 13 and 14.	5·5, 67·5, 74·1, —1·7, 60·4, +1·1, 39 and —3.	5·3, 68·5, 74·3, —1·5, 60·7, +1·4, 36 and —6 ; Omit (*b*) against the station.
Cherat	19.	—0·17.	—1·7.
Drosh	19.	—1·0.	—0·1.
Mount Abu . . .	16, 17, 18 and 19.	1·44, +0·38, 1 and —0·6.	1·96, +0·90, 2 and +0·4.
Gorakhpur . . .	5, 13 and 14.	86·0, 54 and —8.	85·6, 56 and —6.
Cawnpore . . .	5, 6, 7, 8, 13, and 14.	89·4, 71·2, 105·9, +0·2, 38 and —7.	89·9, 71·1, 106·2, +0·5, 36 and —9.
Lucknow . . .	7 and 8.	104·7 and —0·1.	104·4 and —0·4.
Rawalpindi . . .	16, 17, 18 and 19.	0·37, —0·97, 2 and —0·8.	0·49, —0·85, 3 and +0·2.

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Reference.	Figure Column.	For	Read
Tavoy	16, 17, 18 and 19	25·20, —19·04, 21 and —4·3.	26·60, —17·64, 22 and —3·3.
Bassein . . .	1, 2, 4, 5, 7, 8, 16, 17, 18 and 19.	29·719, +·033, 3·0 (*d*), 80·4, 87·5, +1·1, 15·36, —7·66, 23 and —0·5.	29·722, +·036, 3·0, 80·5, 87·6, +1·2, 15·72, —7·30, 24 and +0·5; Omit (*c*) against the station.
Mandalay . . .	16, 17, 18 and 19	10·17, +4·65, 12 and +4·7.	10·27, +4·75, 13 and +5·7.
Monywa . . .	10 and 11.	78·1 and —0·5.	78·0 and —0·6.
Tezpur	15.	8·7.	9·4.
Cox's Bazar . . .	15, 16, 17, 18 and 19	6·7, 24·93, —6·80, 17 and —3·1.	6 6, 25·29, —6·44, 18 and —2·1.
Cuttack . . .	3 and 15.	S 41 W and 7·6.	S 45 W and 7·7.
Sambalpur . . .	7, 8, 16 and 17.	99·5, +2·4, 3·15 and —7·77.	99·8, +2·7, 3·17 and —7·75.
Purnea	5.	80·1.	80·2.
Patna	15, 16, 17, 18 and 19.	4·0, 2·88, —5·24, 6 and —2·1.	4·3, 2·83, —5·29, 5 and —3·1.
Gaya	7, 8, 15, 16, 17, 18, 19 and 20.	101·3, +2·2, 3·6, 4·72, —2·67, 7, —1·2 and 1·65.	101·6, +2·5, 3·5, 5·04, —2·35, 8, —0·2 and 1·82.
Naya Dumka . .	10 and 11.	78·4 and +0·3.	78·1 and 0.
Cherrapunji . . .	16 and 17.	123·63 and +27·73.	123·66 and +27·74.
Khushab . . .	1, 2 and 4.	28·907, +·039 and 7·5.	28·909, +·041 and 5·1.
Lyallpur . . .	1 and 2.	28·931 and +·079.	28·930 and +·078.
Multan	1, 2, 16 and 17.	29·079, +·054, 1·22 and +0·60.	29·080, +·055, 1·24 and +0·62.
Khanpur . . .	16, 18 and 20.	0, 0 and 0.	0·49, 1 and 0·42.
Leh	1, 2, 3, 4, 5, 6, 7, 8, 10, 11, 12, 13, 14 and 15.	19·672, +·018, S 18 W, 3·0 (*j*), 54·3, 43·9, 68·4, —3·7, 43·6, —0·8, 36·6, 46, +4 and 5·1.	19·669, +·015, S 13 W, 3·1, 53·2, 42·8, 67·0, —5·1, 42·6, —1·8, 36·0, 45, +3 and 5·3; Omit (*i*) against the station.
Skardu	1, 2, 4, 5, 6, 7, 8, 10, 11, 12, 13, 14 and 15.	22·773, +·045, 2·7 (*j*), 68·0, 57·9, 82·6, +1·5, 55·2, —1·5, 50·0, 55, +8 and 1·6.	22·785, +·057, 2·8, 65·8, 56·6, 80·1, —1·0, 53·7, —3·0, 44·7, 58, +11 and 2·6; Omit (*i*) against the station.
Peshawar . . .	1, 2, 10, 11, 16, 17, 18, 19 and 20.	28·383, +·031, 78·2, +0·9, 0, —0·36, 0, —1·0 and 0.	28·378, +·026, 78·1, +0·8, 0·12, —0·24, 1, 0 and 0·12.
Dera Ismail Khan . .	4, 7, 8, 16 and 17.	3·1, 105·2, —2·6, 0·30 and —0·37.	3·2, 105·3, —2·5, 0·32 and —0·35.
Miranshah . . .	1, 16 18 and 20.	26·646, 0, 0 and 0.	26·645, 0·20, 1 and 0·16.
Page 46 . . .	Omit the footnotes (*i*) mean of 23 days and (*j*) mean of 22 days.		
Hyderabad (Sind) . .	3.	S 10 W.	S 6 W.
Deesa	1, 2, 3, 7, 8, 10, 11 and 15.	29·128, 0, S 16 W., 104·5, +2·3, 81·1, +0·6 and 4·9.	29·127, —·001, S 17 W, 104·4, +2·2, 81·2, +0·7 and 4·8.
Surat	4.	13·8.	6 8.
Ahmadabad . . .	3 and 4.	S 49 W and 5·4.	S 48 W and 5·6 (*c*).
Nowgong . . .	16, 17, 18, 19 and 20.	0·25, —5·79, 1, —5·1 and 0·10.	1·79, —4·25, 4, —2·1 and 1·04.

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Reference.	Figure Column.	For	Read
Khandwa . . .	5, 13, 14, 16, 17, 18 and 19.	82·3, 71, +5, 5·51, +0·09, 8 and +1·0.	82·4, 70, +4, 5·61, +0·19, 9 and +2·0.
Hoshangabad . .	6, 13, 14, 16, 17, 18 and 19.	75·1, 62,—4, 3·44, —2·73, 7 and —1·2.	75·4, 63, —3, 3·83, —2·34, 8 and —0·2.
Saugor	5.	84·2.	84·1.
Raipur	4.	3·7.	4·1.
Kanker . . .	4.	5·0.	5·3.
Chanda . . .	15.	4·3.	4·1.
Bombay . . .	5.	82·7.	82·5.
Hyderabad (Dn.) .	1.	28·035.	27·972.
Hanamkonda . .	1.	28·831.	28·768.
Mangalore . . .	3.	S 62 W.	S 62 E.
Cochin	16, 17, 18 and 19	25·12, —3·37, 21 and —3·2.	25·39, —3·10, 22 and —2·2.
Coimbatore . . .	1.	28·479.	28·408.
Salem	1.	28·899.	28·828.
Gopalpur . . .	16, 17, 18 and 19.	8·39, +2·57, 6 and —1·9.	8·89, +3·07, 7 and —0·9.
Maymyo . . .	16 and 17.	18·86 and +10·04.	18·91 and +10·09.
Kodaikanal . . .	8.	−0·4.	+0·4.
Coonoor . . .	16.	1·21.	1·16.
Allahabad . . .	1, 2, 3, 4, 5, 6, 7, 8, 10, 11 and 15.	29·231, +·032, N 88 E, 6·3, 89·5, 76·5, 104·5, +2·4, 83·4, +0·7 and 3·9.	29·234, +·035, N 86 E, 6·2, 89·8, 76·6, 104·6, +2·5, 83·5, +0·8 and 3·8; Omit (*c*) against the station.
Bareilly . . .	1, 2, 10, 11, 16, 17, 18 and 19.	28·997, +·048, 80·4, +0·2, 1·81, —3·33, 3 and —2·3.	28·998, +·049, 80·3, +0·1, 2·52, —2·62, 4 and —1·3.
Roorkee . . .	10 and 11.	77·6 and —1·2.	77·8 and —1·0.
Sialkot	1, 2, 3, 5, 6, 7, 8, 10, 13, 14 and 15.	28·725, +·063, N 78 E, 88·7, 74·2, 103·7, —1·4, 78·4, 48, —4 and 3·0.	28·720, +·058, N 75 E, 88·9, 74·1, 103·8, —1·3, 78·4 (*c*), 47, —5 and 2·9; Omit (*c*) against the station.
Rawalpindi . . .	1, 2, 4, 6, 7, 10 and 11.	27·901 (*c*), +·044, 3·3 (*c*), 71·1 (*c*), 102·3 (*c*), 75·4 (*c*) and —0·3.	27·904, +·047, 3·4, 71·0, 102·3, 75·2 and —0·5.
Gwa	1, 4, 5, 6, 7, 10, 15, 16 and 18.	29·718, 2·9 (*d*), 79·9, 73·9, 86·3, 75·2, 6·2, 32·95 and 25.	29·716, 2·9, 79·8, 74·0, 86·1, 75·1, 6·3, 37·07 and 2·6; Omit (*e*) against the station.
Mussooree . . .	1, 3, 4, 5, 6, 7, 10, 12, 13, 15, 16, 17 and 20.	23·268, N 25 W, 5·7, 65·3, 50·8, 72·8, 59·1, 43·0, 73, 4·8, 7·24, —5·69 and 2·32.	23·270 (*c*), N 52 W (*c*), 5·7 (*c*), 65·4 (*c*), 60·0 (*c*) 73·0 (*c*), 59·7 (*c*), 51·0, 73 (*c*), 4·7 (*c*), 11·54, —1·37 and 5·05.

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Reference.	Figure Column.	For	Read
Monywa . . .	7, 8 and 9.	91·4, —3·0 and 94·8.	91·7, —2·7 and 94·7.
Tezpur	16 and 17.	9·66 and —4·77.	9·62 and —4·81.
Dhubri	16, 17, 18, 19 and 20.	11·53, —5·52, 12, —4·1 and 2·68.	10·41, —6·64, 13, —3·1 and 2·18.
Silchar	3.	N 76 E.	N 72 E.
Bogra	16, 17, 18 and 19.	8·48, —4·58, 19 and +2·4.	9·36, —3·70, 20 and +3·4.
Balasore . . .	16 and 17.	13·17 and +2·27.	13·15 and +2·25.
Cuttack . . .	7 and 8.	89·2 and —0·8.	89·3 and —0·7.
Chaibasa . . .	16, 17, 18 and 19.	14·57, +2·48, 20 and +4·6.	14·71, +2·62, 21 and +5·6.
Ranchi	7 and 8.	81·4 and —3·2.	82·5 and —2·1.
Hazaribagh . . .	16, 17 and 20.	27·23, +14·79 and 8·20.	27·29, +14·85 and 8·26.
Darbhanga . . .	4.	5·6 (*b*).	5·5.
Gaya	1, 2, 16, 17, 18 and 19.	29·133 (*b*), —·005, 16·54, +3·54, 20 and +4·8.	29·135, —·003, 16·66, +3·66, 21 and +5·8.
Montgomery . . .	1.	28·904 (*b*).	28·904.
Multan	16 and 17.	2·19 and +0·17.	2·17 and +0·15.
Bahawalpur . . .	16, 18 and 20.	3·90, 3 and 2·90.	5·94, 5 and 3·00.
Khanpur . . .	3, 16, 18 and 20.	S 43 W, 5·94, 5 and 3·00.	S 41 W, 3·90, 3 and 2·90.
Srinagar . .	16, 17, 18 and 19.	3·31, +0·99, 9 and +4·0.	3·44, +1·12, 10 and +5·0.
Dras	1, 2, 4, 5, 7, 8 and 15.	20·685, +·008, 5·5 (*c*), 60·4, 76·5, —1·0 and 3·6.	20·687, +·010, 5·4, 60·5, 76·7, —0·8 and 3·5; Omit (*b*) against the station.
Peshawar . . .	3, 4, 7, 8 and 15.	N 24 W, 5·7, 100·4, —1·8 and 5·8.	N 21 W, 5·0, 100·0, —2·2 and 5·7; Omit (*b*) against the station.
Dera Ismail Khan . .	1 and 2.	28·895 and +·030.	28·896 and +·031.
Quetta	1, 2, 6, 10, 11, 13, 14 and 15.	24·445, +·005, 66·2, 69·9, +1·8, 64, +8 and 3·6.	24·444, +·004, 66·0, 69·7, +1·6, 63, +7 and 3·8; Omit (*b*) against the station.
Jacobabad . . .	1 and 2.	29·245 and +·007.	29·248 and +·010.
Neemuch . . .		Omit the figures in columns 10, 11 and 12.	
Bhopal	16.	22·53.	22·63.
Nowgong . . .	16, 17, 18, 19 and 20.	11·19, —2·28, 14, +0·3 and 1·95.	20·28, +6·81, 18, +4·3 and 3·84.
Akola	16, 17, 18, 19 and 20.	3·25, —6·02, 8, —4·0 and 1·15.	3·45, —5·82, 6, —6·0 and 2·10.
Amraoti . . .	16, 17, 18, 19 and 20.	2·64, —6·12, 6, —6·1 and 1·50.	4·96, —3·80, 10, —2·1 and 1·67.
Saugor	1, 2, 3 and 9.	27·736, —·011, N 72 W and 63·0.	27·740, —·007, N 79 W and 93·0.
Karwar . . .	4.	4·9.	4·5.
Aurangabad . . .	1 and 2.	27·794 and +·028.	27·793 and +·027.
Nizamabad . . .	1 and 2.	28·418 and +·026.	28·420 and +·028.

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Reference.	Figure Column.	For	Read
Hyderabad (Deccan) .	1 and 2.	27·985 and +·036.	27·984 and +·035.
Hanamkonda . .	1 and 2.	28·781 (*b*) and +·026.	28·776 (*b*) and + 021.
Bangalore . . .	11.	+·01.	+0·1.
Madura . . .	15.	7·2.	7·5.
Vellore	1, 2 and 8.	29·026, +·020 and +1·8.	29·027, +·021 and —1·8.
Cherat		Omit the figures in columns 7, 8 and 9.	
Allahabad . . .	7, 8 and 9.	91·0, —1·8 and 101·0.	91·3, —1·5 and 103·0.
Bareilly . . .	10, 11, 12, 16, 17, 18 and 19.	78·8, —0·1, 71·0, 16·04, +2·65, 14 and +1·5.	78·9, 0, 74·0, 16·81, +3·42, 17 and +4·5.
Kurnool . . .	1 and 2.	28·802 and +·033.	28·800 and +·031.
Calingapatam. . .	1, 2, 16 and 17.	29·550, —·013, 8·86 and +3·01.	29·549, —·014, 8·60 and +2·75.
Murree	4, 6, 7, 8, 10, 11, 16, 17, 18 and 19.	3·1, 64·6, 72·1, —4·7, 61·7, —0·7, 16·90, +5·06, 18 and +5·5.	3·0, 64·7, 72·3, —4·5, 61·8, —0·6, 18·05 +6·21, 19 and + 6·5; Omit (*b*) against the station.
Parachinar . . .	1, 2, 3, 4, 5, 7, 8, 10, 11 and 15.	24·249, +·012, S 68 E, 3·3, 75·8, 85·3, —1·8, 66·8, +0·5 and 4·7.	24·239, +·002, S 56 E, 3·2, 75·7, 85·4, —1·7, 66·6, +0·3 and 4·5; Omit (*b*) against the station.
Colombo . . .	1, 2, 3, 4, 6, 10, 11 and 15.	29·821, +·017, S 62 W, 6·1 (*c*), 75·4, 77·8, +0·8 and 8·3.	29·820, +·016, S 61 W, 6·1, 75·5, 77·9 +0·9 and 8·4; Omit (*b*) against the station.
Page 56 . . .		Omit the footnote (*b*) mean of 30 days.	
Delhi	1, 2, 3, 4, 5,7, 8 13 and 14.	28·800, +·022, S 13 E, 3·4, 83·4, 92·5, —2·4, 83 and +9.	28·801, +·023, S 26E, 3·5, 83·5, 92·7, —2·2, 81 and +71; Omit (*b*) against the station.
Meerut	16, 17, 18 and 19.	10·75, +1·66, 13 and +3·1.	12·96, +3·87, 16 and +6·1.
Ambala . . .	16, 17, 18 and 19.	24·66, +17·31, 16 and +6·3.	25·41, +18·06, 17 and +7·3.
Ludhiana . . .	16, 17, 18 and 19.	10·22, +2·02, 11 and +2·7.	10·63, +2·43, 12 and +3·7.
Mussooree . . .	16 and 17.	28·11 and —5·19.	29·14 and —4·16.

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Reference.	Figure Column.	For	Read
Victoria Point . .	16 and 17.	24·52 and —0·99.	24·51 and —1·00.
Diamond Island . .	16 and 17.	23·06 and +0·15.	23·02 and +0·11.
Dhubri	16, 17, 18 and 19.	16·81, +3·27, 13 and —1·5.	16·71, +3·17, 12 and —2·5.
Chaibasa . . .	1, 2, 16 and 17.	28·838, +·007, 12·85 and +1·38.	28·839, +·008, 12·90 and +1·43.
Hazaribagh . . .	16.	13·14.	11·91.
Gaya	3.	S 34 W.	S 23 W.
Naya Dumka . .	3.	S 31 E.	S 35 E.
Cherapunji . . .	16 and 17.	95·54 and +15·70.	96·34 and +16·50.
Gorakhpur . . .	16 and 17.	9·63 and —4·36.	8·64 and —5·35.
Benares . . .	10 and 11.	79·4 and +0·8.	79·3 and +0·7.
Allahabad . . .	1, 2, 16 and 17.	29·261, +·013, 8·02 and —3·68.	29·260, +·012, 8·21 and —3·49.
Cawnpore . . .	1 and 2.	29·140 and +·002.	29·144 and +·006.
Lucknow . . .	3.	N 49 W.	N 65 W.
Bareilly . . .	3, 10 and 11.	S 39 E, 80·4 and +2·3.	S 19 E, 80·2 and +2·1.
Dehra Dun . . .	1, 2 and 3.	27·377, —·006 and S 69 E.	27·376, —·007 and S 64 E.
Ludhiana . . .	1 and 2.	28·749 and +·009.	28·744 and +·004.
Sialkot	1, 2, 3, 5, 7, 8, 15, 16, 17, 18 and 19.	28·707, —·008, S 58 E, 84·1, 96·6, +2·1, 3·8, 5·29, —3·62, 4 and —5·1.	28·706, —·009, S 53 E, 84·2, 96·7, +2·2, 3·6, 5·52, —3·39, 5 and—4·1; Omit (*b*) against the station.
Rawalpindi . . .	1, 2 and 15.	27·886 (*b*), —·012 and 4·1.	27·892 (*b*), —·006 and 4·0.
Khushab . . .	1, 2, 3, 4, 6, 10 and 11.	28·898, —·023, N 74 E, 5·0, 79·4, 82·7 and +1·3.	28·905, —·016, N 77 E, 5·1, 79·5, 82·4 and +1·0; Omit (*b*) against the station.
Lyallpur . . .	1 and 2.	28·933 and +·018.	28·928 and +·013.
Multan	1 and 2.	29·098 and +·015.	29·096 and +·013.
Dera Ismail Khan . .	1 and 2.	28·943 and +·006.	28·941 and +·004.
Kotah	1 and 2.	28·774 and +·029.	28·776 and +·031.
Bhopal	7 and 10.	83·4 and 72·3.	82·8 and 71·4.
Nowgong . . .	16, 17, 18, 19 and 20.	9·53, —3·94, 11, —2·7 and 3·38.	13·05, —0·42, 15, +1·3 and 3·97.
Amraoti . . .	16, 17, 18 and 19.	2·18, —4·40, 5 and —4·8.	2·99, —3·59, 7 and —2·8.
Hanamkonda . .	16 and 17.	5·65 and —0·90.	5·64 and —0·91.
Madura . . .	1 and 2.	29·318 and +·008.	29·319 and +·009.
Vellore	1 and 2.	29·042 and +·001.	29·046 and 0.
Gopalpur . . .	16, 17, 18 and 19.	6·51, —1·24, 10 and —1·1.	6·80, —0·95, 11 and —0·1.
Mussooree . . .	15.	8·5.	8·6.

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Reference.	Figure Column.	For	Read
Simla	1, 2, 7, 8, 11, 14, 15, 16 and 17.	22·984, +·010, 67·3, +0·6, —0·8, +1, 8·6, 14·55 and —2·78.	22·983, +·002, 67·2, —1·5, —0·7, +6, 8·5, 14·64 and —2·69; Omit (*b*) against the station.
Murree	4, 5, 7, 8, 10, 11, 13 and 14.	2·9, 68·5, 73·6, —0·2, 60·2, —0·7 77 and —7.	2·8, 68·3, 73·5, —0·3, 62·3, +1·4, 79 and —5; Omit (*b*) against the station.
Cherat	1, 2, 3, 4, 5, 10, 11, 13, 14, 15, 16 and 17.	25·502, +·001, S 54 E, 5·8, 75·6, 70·4, +0·5, 68, —7, 1·8, 3·52 and —0·78.	25·500, —·001, S 57 E, 5·9, 75·5, 70·1, +0·2, 70, —5, 1·9, 3·54 and —0·76; Omit (*b*) against the station and Omit the figures in columns 7, 8 and 9.
Parachinar . . .	1, 2, 3, 5, 6, 7, 8, 10, 11, 15, 16, 17, 18 and 19.	24·287, +·005, S 45 E, 75·6, 63·6, 85·3, +0·3, 64·4, —0·5, 1·3, 2·32, —1·31, 4 and —3·7.	24·285, +·003, S 33E, 75·4, 63·5, 85·2, +0·2, 64·2, —0·7, 1·5, 2·57, —1·06, 5 and —2·7; Omit (*c*) against the station.
Khanpur . . .	1, 3, 4, 5, 6 and 10.	29·248, S 41 W, 5·3, 84·3, 76·9 and 79·9.	29·249, S 40 W, 5·4, 84·2, 76·8 and 79·8; Omit (*b*) against the station.

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Reference.	Figure Column.	For	Read
Amherst . . .	16.	33·14.	33·13.
Yamethin . . .	16 and 17.	8·78 and +1·62.	8·79 and +1·63.
Monywa . . .	3, 5 and 6.	S 66 E, 80·8 and 77·8.	S 54 E, 80·6 and 77·7.
Gauhati. . . .	4, 16, 17, 18 and 19.	1·1, 8·89, +2·07, 8 and —2·3.	1·2, 8·43, +1·61, 7 and —3·3.
Dhubri	1 and 2.	29·644 (*c*) and +·025.	29·641 and +·022.
Chandbali . . .	16.	17·90.	19·40.
Cuttack . . .	1 and 2.	29·606 and +·003.	29·607 and +·002.
Chaibasa . . .	5, 13, 14 and 15.	81·4, 81, —5 and 9·3.	79·8, 87, +1 and 9·4.
Hazaribagh . . .	16, 17, 18, 19 and 20.	5·33, —3·85, 13, +1·2 and 1·07.	4·33, —4·85, 12, +0·2 and 1·05.
Darbhanga . . .	16, 17, 18 and 19.	4·29, —4·67, 8 and —1·1.	4·79, —4·17, 9 and —0·1.
Patna	3, 16, 17, 18 and 19.	S 67 E, 13·01, +4·68, 13 and +3·8.	S 72 E, 13·53, +5·20, 14 and +4·8.
Gorakhpur . . .	1 and 2.	29·442 and +·009.	29·443 and +·010.
Benares . . .	3, 16, 17, 18 and 19.	S 80 E, 10·24, +3·12, 13 and +4·3.	S 85 E, 10·35, +3·23, 14 and +5·3.
Allahabad . . .	1, 2, 16 and 17.	29·378, +·004, 5·32 and —·035.	29·380, +·006, 5·39 and —0·28.
Cawnpore . . .	1 and 2.	29·270 and +·004.	29·269 and +·003.
Jhansi	1, 2, 4, 6, 7, 8, 10, 11, 13 and 14.	28·873 (*c*), —·005, 3·4 (*c*), 75·4 (*c*), 93·1 (*c*), +1·3, 76·1 (*c*) +0·1, 69 and —6.	28·870, —·008, 3·4, 75·6, 93·7, +1·9, 76·3, +0·3, 71 and —4.
Ambala . . .	10 and 11.	71·9 and —1·8.	71·8 and —1·9.
Ludhiana . . .	15.	2·1.	1·9.
Sialkot	1, 2, 5, 6, 13, 14, 16 and 17.	28·882, +·033, 78·8, 71·4, 67, —6, 3·54 and +0·17.	28·885, +·036, 79·0, 71·6, 68, —5, 3·56 and +0·19.
Khushab . . .	1, 2, 3, 4, 5, 6, 13 and 14.	29·096, +·032, N 26 E, 4·2, 83·0, 71·7, 55 and —6.	29·098, +·034, N 71 E, 3·1, 82·6, 72·1, 58 and —3.
Lyallpur . . .	1 and 2.	29·101 and +·046.	29·099 and +·044.
Montgomery . . .	1 and 2.	29·131 and +·023.	29·134 and +·026.
Multan	1, 2 and 3.	29·268, +·042 and S 17 E.	29·269, +·043 and S 20 E.
Khanpur . . .	15.	0·1.	0·2.
Peshawar . . .	15.	2·3.	2·5.
Dera Ismail Khan . .	15.	1·9.	3·2.
Fort Sandeman . .	1 and 2.	25·329 and +·041.	25·332 and +·044.
Hyderabad (Sind) . .	1, 2, 4, 5, 6, 7, 8, 10 and 11.	29·621, +·032, 6·6, 82·2, 74·7, 98·4, +1·2, 76·4 and +0·2.	29·618, +·029, 6·4, 82·4, 74·8, 98·6, +1·4, 76·6 and +0·4; Omit (*c*) against the station.
Kotah	1 and 2.	28·877 and +·003.	28·874 and 0.
Bhuj	16, 17, 18, 19 and 20.	0, —1·88, 0, —2·2 and 0.	0·75, —1·13, 1, —1·2 and 0·75.

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Reference.	Figure Column.	For	Read
Amraoti . . .	16, 17, 18 and 19.	4·33, —1·88, 8 and —0·2.	5·38, —0·83, 11 and +2·8.
Khandwa . . .	16, 17 18 and 19.	6·08, +0·11, 6 and —1·3.	6·46, +0·49, 7 and —0·3.
Hoshangabad . .	16, 17 18 and 19.	6·18, —2·20, 7 and —2·4.	6·81, —1·57, 9 and —0·4.
Nizamabad . . .	16 and 17.	7·40 and —1·72.	7·42 and —1·70.
Gulbarga . . .	16, 17, 18 and 19	10·96, +3·48, 10 and —0·7.	10·30, +2·82, 9 and —1·7.
Raichur. . . .	16 and 17.	6·19 and —1·00.	6·39 and —0·80.
Hyderabad (Dn.) . .	3, 16 and 17.	N 78 W, 5·54 and —1·50.	N 77 W, 5·55 and —1·49.
Hanamkonda . .	3, 16 and 17.	N 62 W, 10·03 and +3·20.	N 69 W, 9·93 and +3·10.
Cochin	16 and 17.	18·41 and +9·43.	18·46 and +9·48.
Cuddapah . . .	16 and 17.	9·03 and +2·76.	9·05 and +2·78.
Vizagapatam . . .	12.	77·1.	75·4.
Calingapatam. . .	12.	75·5.	71·7.
Gopalpur . . .	16 and 17.	10·26 and +2·75.	10·30 and +2·79.
Mussooree . . .	10.	57·7.	57·6.
Simla	2, 6, 8, 11 and 13.	+·029, 53·6, +3·1, +0·4 and 52.	+·022, 52·4, +0·2, +0·7 and 47.
Murree	5, 6, 7 and 8.	65·9, 55·9, 71·9 and —1·0.	66·0, 55·8, 71·6 and —1·3.
Mount Abu . . .	4.	4·3.	4·4.
Cherat	16 and 17.	4·42 and +2·26.	4·44 and +2·28.
Nagpur . . .	16, 17, 18 and 19.	5·13, —3·12, 9 and —1·8.	4·63, —3·62, 8 and —0·8.

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Reference.	Figure Column.	For	Read
Lashio	4.	2·4.	1·9.
Dhubri	3.	S 87 E.	S 87 E. (*b*).
Berhampore . . .	1 and 2.	29·843 and +·049.	29·846 and +·052.
Jalpaiguri . . .	16, 17, 18 and 19.	10·10, +5·20, 11 and +6·2.	10·70, +5·80, 12 and +7·2.
Balasore . . .	3.	S 58 W.	S 66 W.
Cuttack . . .	16 and 17.	1·93 and —3·27.	2·03 and —3·17.
Sambalpur . . .	8.	+2·3.	+1·5.
Ranchi	6.	68·2.	67·9.
Patna	1 and 2.	29·703 and +·027.	29·706 and +·030.
Gorakhpur . . .	1, 2, 16, 17, 18, 19 and 20.	29·611, +·015, 0·86, —2·59, 2, —0·4 and 0·38.	29·613, +·017, 1·75, —1·70, 3, +0·6 and 0·89.
Benares . . .	3.	S 16 W.	S 6 W.
Lucknow . . .	15.	2·2.	1·9.
Bareilly . . .	10, 11 and 12.	69·4, +4·1 and 62·0.	69·7, (*e*) +4·4 and 65·0.
Page 78 . . .		Insert the footnote (*e*) mean of 27 days.	
Roorkee . .	5.	71·6.	71·4.
Rawalpindi . . .	7 and 8.	89·7 and +0·9.	89·9 and +1·1.
Khushab . . .	1, 2, 3, 5, 6, 10, 11, 13 and 14.	29·257 (*b*), +·011, N 19 E, 75·4, 61·0, 64·9, +1·6, 39 and —7.	29·264 (*b*), +·018, N 64 E, 75·0, 61·4, 64·5, +1·2, 42 and —4.
Montgomery . . .	1 and 2.	29·306 and +·017.	29·307 and +·018.
Multan	6 and 15.	63·5 and 1·0.	63·7 and 1·2.
Khanpur . . .	15.	1·8.	1·7.
Peshawar . . .	15.	2·8.	3·3.
Dera Ismail Khan . .	4 and 15.	2·0 and 2·7.	1·8 and 2·4.
Miranshah . . .	16, 18 and 20.	0, 0 and 0.	0·43, 1 and 0·43.
Fort Sandeman . .	15.	1·4.	1·5.
Quetta	1, 2, 3, 4, 6, 7, 8, 13, 14 and 15.	24·761, +·021, S 49 E, 3·4, 4·5 (*c*), 75·2, +0·7, 45 (*c*), —3 and 1·4.	24·758, +·018, S 53 E, 3·5, 40·4 (*b*), 75·1, +0·6, 48 (*b*), 0 and 1·7; Omit (*b*) against the station.
Chaman . . .	16, 17 and 20.	0·19, +0·08 and 0·09.	0·10, —0·01 and 0·08.
Mirjawa . . .	7.	87·8.	87·9.
Hyderabad (Sind) . .	5.	78·5.	78·6.
Indore	4.	3·0.	2·2.
Akola	16, 17, 18 and 19.	1·45, —0·42, 4 and +1·5.	2·35, +0·48, 5 and +2·5.
Hoshangabad . .	1, 2, 3, 4, 5, 6, 7, 8, 10, 11, 13, 14, 16, 17, 18 and 19.	28·890, +·017, N 39 E, 2·4, 77·9, 68·9, 94·1, +4·3, 67·8, +1·5, 61, —10, 0·35, —0·97, 2 and —0·1.	28·889, +·016, N 48 E, 2·5, 77·7, 69·0, 93·8, +4·0, 67·9, +1·6, 63, —8, 0·53, —0·79, 3 and +0·9; Omit (*b*) against the station.

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Reference.	Figure Column.	For	Read
Belgaum . . .	5, 13 and 14.	75·5, 69 and —10.	72·3, 81 and +2.
Aurangabad . . .	1 and 2.	28·008 and +·014.	28·012 and +·018.
Nizamabad . . .	1 and 2.	28·661 and +·055.	28·658 and +·052.
Gulbarga . . .	1, 2, 10 and 11.	28·384, +·024, 67·9 and —1·3.	28·385, +·025, 68·1 and —1·1.
Hyderabad (Deccan) .	7 and 8.	87·0 and —1·4.	87·3 and —1·1.
Hanamkonda . .	1 and 2.	29·015 and +·041.	29·005 and +·031.
Bangalore . . .	16 and 17.	9·73 and +3·83.	9·63 and +3·73.
Calicut	1 and 2.	29·840 and +·004.	29·839 and +·003.
Madura . . .	1, 2, 16, 17, 18 and 19.	29·383, —·001, 9·45, +1·63, 16 and +5·8.	29·381, —·003, 9·57, +1·75, 17 and +6·8.
Cuddalore . . .	1 and 2.	29·827 and +·025.	29·828 and +·026.
Mukteswar . . .	4, 5, 6, 13 and 14.	6·2, 54·6, 46·3, 54 and —·3.	7·1, 54·5, 46·1, 52 and —5.
Mussooree . . .	1, 6 and 13.	23·448, 48·7 and 59.	23·451, 48·6 and 57.
Simla	1, 2, 5, 7, 8, 10, 11, 14, 16, 17, 18 and 19.	23·163, +·026, 56·9, 61·6, —1·1. 51·4, +0·1, —·9, 0·47, —0·61, 1 and —0·6.	23·164, +·020, 56·8, 61·3, —3·1, 51·0, —0·4, —·4, 0·59, —0·49, 2 and +0·4; Omit (*b*) against the station.
Murree	5, 7, 8, 10, 11, 13 and 14.	60·4, 66·3, —2·2, 53·3, —0·1, 43 and —1.	60·6, 66·5, —2·0, 53·5, +0·1, 41 and —3; Omit (*b*) against the station.
Parachinar . . .	1, 2, 5, 6, 7, 8, 10, 11 and 15.	24·515, +·037, 60·9, 48·0, 72·6, —1·9, 48·3, —0·5, and 2·6.	24·518, +·040, 61·2, 48·1, 72·8, —1·7, 48·4, —0·6 and 2·8; Omit (*b*) against the station.
Mercara. . . .		Omit the figures in columns 10, 11 and 12.	
Coonoor . . .	16.	31·11.	31·12.

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Reference.	Figure Column.	For	Read
Port Blair . . .	16 and 17.	9·82 and +0·31.	9·83 and +0·32.
Victoria Point . .	1, 2, 3, 4, 5, 6, 15, 16, 17, 18 and 19.	29·769, +·043, N 48 E, 4·7 (*d*), 78·5, 74·6, 6·2, 12·93, +7·14, 13 and +2·0.	29·771, +·045, N 45 E, 4·8, 78·4, 74·5, 6·3, 14·41, +8·62, 14 and +3·0 ; Omit (*c*) against the station.
Gwa	16.	4·92.	4·97.
Kyaukpyu . . .	1, 2, 3, 16, 17, 18, 19 and 20.	29·916, +·027, N 58 E, 7·21, +0·67, 4, —0·8 and 4·57.	29·915, +·026, N 55 E, 14·14, +7·60, 6, +1·2 and 6·30 ; Omit (*k*) against the station.
Mandalay . . .	1, 2, 7, 8 and 15.	29·723, +·018, 87·5, —0·2 and 5·2.	29·725, +·020, 87·6, —0·1 and 5·3 ; Omit (*c*) against the station.
Dibrugarh . . .	8.	—2·0.	—2·5.
Berhampore . . .	12.	59·0.	56·0.
Bogra	4, 16, 17, 18, 19 and 20.	1·3, 1·52, +0·78, 2, +1·3 and 0·83.	1·4, 5·38, +4·64, 3, +2·3 and 3·86 ; Omit (*c*) against the station.
Page 85 Footnote . .	....	....	Omit (*c*) mean of 29 days.
Cherapunji . . .	16, 17, 18 and 19.	12·01, +8·78, 7 and +5·5.	13·71, +10·48, 9 and +7·5.
Benares . . .	3.	S 48 W.	S 29 W.
Bahraich . . .	4.	1·4.	1·2.
Bareilly . . .	10, 11 and 15.	53·3 (*p*), +0·7 and 1·1.	52·1 (*v*), +2·1 and 1·2.
Page 86 . . .	Omit the footnote (*p*) mean of 16 days, and insert (*v*) mean of 10 days.		
Dehra Dun . . .	1 and 2.	27·753 and +·031.	27·752 and +·030.
Sialkot	5.	57·5.	57·3.
Rawalpindi . . .	15.	1·5.	1·2.
Multan	15.	1·4.	1·5.
Khanpur . . .	1, 3, 6, 7 and 15.	29·752, N 61 E, 53·7, 86·4 and 0·3.	29·753, N 58 E, 53·8, 86·3 and 0·6 ; Omit (*d*) against the station.
Gilgit	15.	1·7.	1·8.
Dera Ismail Khan . .	1 and 2.	29·476 and +·054.	29·479 and +·057.
Fort Sandeman . .	15.	0·7.	0·9.
Quetta	15.	3·2.	3·3.
Kotah	10 and 11.	59·1 and —0·8.	59·3 and —0·6.
Akola	5, 13 and 14.	69·1, 59 and +4.	69·3, 57 and +2.
Hoshangabad . .	15.	3·3.	3·2.
Pendra	16 and 17.	2·49 and +2·12.	2·51 and +2·14.
Raipur	15.	4·3.	4·2.
Chanda . . .	15.	2·2.	2·4.

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Reference.	Figure Column.	For	Read
Jagdalpur . . .	15.	4·5.	4·6.
Bombay . . .	15.	2·2.	2·5.
Gulbarga . . .	7, 8, 10 and 11.	85·5 (*d*), —2·1, 60·2 (*d*), and —3·2.	85·8 (*f*), —1·8, 59·7 and —3·7.
Page 88 . . .		Insert the footnote (*f*) mean of 26 days.	
Chitaldrug . . .	6, 13 and 14.	65·5, 74 and +3.	65·3, 71 and 0.
Cuddalore . . .	1, 2, 3, 4, 5, 6, 7, 8, 10, 11, 15, 16, 17, 18, 19 and 20.	29·889, +·029, N 19 W, 3·8, 76·7, 73·7, 84·4, —0·4, 73·7, +1·2, 7·8, 2·66, —12·42, 8, —3·3 and 0·62.	29·875, +·015, N 21 W, 4·4, 76·5, 73·5, 83·8, —1·0, 73·5, +1·0, 7·9, 9·34, —5·74, 10, —1·3 and 6·12; Omit (*d*) against the station.
Cuddapah . . .	4, 5, 6, 10, 11, 16 and 17.	1·4, 74·9, 70·4, 69·9, +0·1, 1·79 and —1·77.	1·5, 75·0, 70·5, 70·0, 0, 2·41 and —1·15.
Bellary	1 and 2.	28·474 and +·029.	28·473 and +·028.
Kurnool . . .	1 and 2.	29·014 and +·016.	29·009 and +·011.
Nellore	3.	N 44 W.	N 48 W.
Vizagapatam . . .	1 and 2.	29·830 and +·015.	29·832 and +·017.
Mukteswar . . .	15.	1·4.	1·7.
Mussooree . . .	15.	1·3.	1·4.
Simla	2, 7, 8, 10, 11, 14 and 15.	+·026, 56·2 (*g*), +0·2, 44·4 (*d*), —0·3, —7 and 1·2.	+·019, 55·8, —2·6, 44·4, +0·5, —2 and 1·6.
Murree	15, 16, 17, 18, 19 and 20.	0·3, 0, —0·77, 0, —1·2 and 0.	0·6, 0·15, —0·62, 1, —0·2, and 0·15.
Cherat	1, 2, 3, 4, 5, 10 and 11.	25·824, +·032, N 38 W, 5·6 (*d*), 55·2, 47·6 and —1·7.	25·825, +·033, N 36 W, 5·3, 55·3, 47·5 and —1·8; Omit (*c*) against the station.
Drosh	3.	E	N 66 E.
Mount Abu . . .	15.	1·3.	1·4.
Mercara. . . .	6.	61·7.	61·8; Omit the figures in columns 10, 11 and 12.
Coonoor . . .	1.	24·465.	24·469.

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Silchar	13.	91.	91 (*d*).
Gorakhpur . . .	1, 2, 16, 17 and 20.	29·765, —·015, 0·78, +0·64 and 0·78.	29·762, —·018, 0·84, +0·70 and 0·84.
Benares . . .	3.	S 37 W.	S 35 W.
Bahraich . . .	1, 2 and 5.	29·598, —·021 and 52·7.	29·596, —·023 and 52·5.
Agra	15.	1·4.	1·7.
Bareilly . . .	16, 17, 18, 19 and 20.	0·04, —0·29, 0, —0·8 and 0·03.	0·13, —0·20, 1, +0·2 and 0·10.
Sialkot	7, 8 and 15.	72·1, +2·8 and 2·7.	72·2, +2·9 and 2·6.
Rawalpindi . . .	4, 6, 7, 10, 11, 13 and 14.	2·5 (*b*), 37·8 (*c*), 70·2 (*b*), 35·2 (*b*), —2·2, 57 (*c*), and —18.	2·5, 38·0 (*b*), 70·2, 35·4, —2·0, 60 and —15.
Khushab . . .	3, 5, 6, 13 and 14.	N 86 E, 46·7, 40·5 (*c*), 53 (*c*), and —7.	S 49 E, 46·6, 40·6 (*c*), 57 (*c*) and —3.
Lyallpur . . .	1, 2 and 4.	29·458, +·026 and 1·5.	29·459, +·027 and 1·3.
Montgomery . . .	3.	N 23 W.	N 8 W.
Multan	1 and 2.	29·644 and —·003.	29·643 and —·004.
Khanpur . . .	7 and 15.	75·7 (*l*) and 1·4.	77·6 (*n*) and 1·6.
Dras	16 and 17.	0·34 and —1·39.	0·38 and —1·35.
Dera Ismail Khan . .	15.	3·4.	3·5.
Quetta	1, 2, 3, 4, 5, 7, 8, 10, 11 and 15.	24·793, +·038, S 45 E, 3·0, 28·4, 56·3, +1·4, 24·4, —6·6 and 4·1.	24·796, +·041, S 42 E, 3·1, 27·9, 56·4, +1·5, 24·3, —6·7 and 4·2.
Bikaner . . .	1 and 2.	29·279 and +·009.	29·282 and +·012.
Jodhpur . . .	10 and 11.	53·0 and +0·8.	53·3 and +1·1.
Ajmer	1 and 2.	28·425 and +·009.	28·427 and +·011.
Dwarka . . .	7 and 8.	82·6 and +1·7.	82·2 and +1·3.
Rajkot	10 and 11.	51·9 and —0·9.	51·7 and —1·1.
Nowgong . . .	1, 2, 16, 17 and 20.	29·276, —·006, 0·51, +0·10 and 0·51.	29·277, —·005, 0·62, +0·21 and 0·62.
Jubbulpore . . .	15.	1·0.	0·8.
Ratnagiri . . .	7 and 8.	88·3 and —0·9.	88·0 and —1·2.
Aurangabad . . .	10.	57·2 (*b*).	57·2.
Nizamabad . . .	15.	3·1.	2·5.
Gulbarga . . .	1, 2, 7, 8, 10 and 11.	28·495, +·015, 85·8 (*c*), +0·3, 62·1 (*f*) and +3·6.	28·494, +·014, 84·3 (*c*), —1·2, 61·9 (*d*) and +3·4.
Raichur. . . .	6, 10 and 11.	66·1, 67·2 and +3·5.	66·3, 67·3 and +3·6.
Hyderabad (Deccan) .	4.	3·3.	3·4.
Hanamkonda . .	3, 5, 6, 7, 8, 10, 11 and 15.	S 21 E, 68·5, 63·4, 84·9, +1·4, 62·3, +1·4 and 2·6.	S 19 E, 68·7, 63·8, 85·0, +1·5, 62·4, +1·5 and 2·9.

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Reference.	Figure Column.	For	Read
Chitaldrug . . .	1, 2, 4 and 15.	27·575, +·023, 4·4 and 3·7.	27·574, +·022, 4·2 and 3·5.
Bangalore . . .	4.	4·1.	4·0.
Mysore	1, 2 and 15.	27·462, +·019 and 4·3.	27·463, +·020 and 3·7.
Pamban . . .	4, 16, 17, 18 and 19.	8·1, 0·59, —6·90, 3, and —6·4.	7·8, 0·56, —6·93, 2 and —7·4.
Madura . . .	3, 10, 11, 16, 17 and 20.	N 20 E, 70·4, 0, 4·21, +2·44 and 2·72.	N 22 E, 70·3. —0·1, 4·19, +2·42 and 2·70.
Negapatam . . .	16, 17, 18 and 19.	3·53, —7·87, 4 and —5·3.	3·66, —7·74, 5 and —4·3.
Salem	4.	4·1.	4·2.
Cuddalore . . .	15.	6·0.	6·4.
Cuddapah . . .	1, 2, 5, 6, 7, 8, 10, 11, 15, 16 and 17.	29·562, +·009, 73·3, 69·0, 83·1, —3·4, 67·7, +2·4, 4·7, 1·06 and +0·16.	29·564, +·011, 73·4, 69·1, 83·4, —3·1, 67·8, +2·5, 4·6, 1·14 and +0·24.
Kurnool . . .	15.	2·9.	2·5.
Cocanada . . .	3.	N 17 E.	N 9 E.
Vizagapatam . . .	1, 2 and 15.	29·895, +·011 and 2·6.	29·899, +·015 and 3·0.
Gopalpur . . .	15.	3·0.	2·9.
Maymyo . . .	1 and 2.	26·485 and +·023.	26·492 and +·026.
Dalhousie . . .	16, 18 and 20.	0·04, 0 and 0·04.	0·40, 1 and 0·40.
Murree	4.	3·3.	3·2.
Cherat	1, 2, 4 and 15.	25·796, +·006, 10·7 and 3·6.	25·799, +·009, 10·9 and 3·2.
Parachinar . . .	1, 2, 5, 6, 10, 11, 13 and 15.	24·530, +·038, 40·1, 34·3 (*k*), 34·2, +2·0, 47 (*k*) and 4·0.	24·531, +·039, 40·2, 34·2 (*j*), 34·3, +2·1, 47 (*j*) and 4·2.
Mercara. . . .	10 and 11.	57·2 and —0·3.	58·8 (*o*) and +1·3.
Kodaikanal . . .	16, 17, 18 and 19.	3·89, —0·53, 3 and —4·0.	4·21, —0·21, 4 and —3·0.
Page 94 . . .		Insert the footnote (*n*) mean of 18 days.	
Page 96 . . .	Insert the footnote (*j*) mean of 22 days and (*o*) mean of 17 days.		

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