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PAKISTAN WEATHER REVIEW 1953

MONTHLY WEATHER REPORT

JANUARY

PUBLISHED BY THE AUTHORITY OF THE GOVERNMENT OF PAKISTAN

Chief Features :—(1) Cold wave over Sind & Baluchistan during the first week.

(2) Moderate to heavy rainfall over the northern parts of West Pakistan during the third week.

(3) Rainfall activity over East Pakistan during the second fortnight.

WEST PAKISTAN.—The western disturbance lying over the extreme north of West Pakistan on the last day of the previous month moved away eastwards after inducing a secondary over the Punjab which became unimportant the next day. It caused local rain with a few snowfalls over the northern parts of the region on the 1st. Light rain or drizzle also fell locally or at a few places over the southern parts. Weather remained dry in West Pakistan thereafter until the 10th.

In the wake of the western disturbance night temperatures fell considerably in Baluchistan and upper Sind and this area was under the grip of a cold wave for the first two days of the month. According to press reports, a severe cold wave affected north Baluchistan during the first week, where a large number of cases of influenza and pneumonia were reported and the temperatures fell as low as 14°F during several nights at Quetta.

A western disturbance affecting the North-West Frontier Province with its secondary lying over Baluchistan on the 13th moved away eastwards by the 15th closely followed by another western disturbance from Baluchistan across the Punjab. The system caused moderate to heavy rainfall in north Baluchistan, the N.W.F.P. & the north Punjab snowfall over the hills, during the first half of the third week.

According to press reports there was heavy snowfall over Murree hills on the 18th when a layer of 21 inch-thick snow accummulated, cutting off Murree and nearby hill stations from the rest of the world.

Light to moderated rainfall continued in the northern parts of West Pakistan in the second half of the third week due to the passage of a western disturbance across the extreme north and its secondary across Baluchistan and the south Punjab.

A few light falls of rain or drizzle were reported from West Pakistan on other days of the month in association with the passage of three western disturbances.

Some of the noteworthy amounts of rainfall recorded during the month were Hindubagh and Kalat 1" each on the 14th; Murree 3", Sialkot and Jhelum 2" each, Rawalpindi 1-1/2" and Chakdara, Cherat and Peshawar 1" each on the 15th; Sialkot 1-1/2" on the 16th; Jhelum 1" on the 17th and Cherat 2" and Mruree 1-1/2" on the 19th.

The mean rainfall during the month was in large excess over the the north Punjab and the lower North-West Frontier Province; in slight defect over the upper North-West Frontier Province in moderate defect over north Baluchistan and in large defect elsewhere over the region. Averaged over the plains of West Pakistan, it was in moderate excess.

The mean maximum temperatures were above normal in Baluchistan and normal elsewhere over West Pakistan outside the lower North-West Frontier Province where it was below normal. The mean minimum temperatures were normal over the region. The mean relative humidity was in excess over the north Punjab, the North-West Frontier Province and Sind; normal over the south Punjab and Baluchistan. Skies were less clouded than usual in the upper North-West Frontier Province, Baluchistan and lower Sind and normally clouded elsewhere.

EAST PAKISTAN :—A low pressure wave moving eastwards across the region caused light rainfall over the northern sub-division on the 16th. It was followed by another low pressure wave which caused light rainfall over the region on the 17th.

Another western disturbance caused light to moderate rainfall over the region on the 23rd and 24th.

Press reports indicate that Comilla shivered in biting cold during the last few days of the month. Piercing cold winds accompanied the cold wave and a man died of cold during the period.

Chief amounts of rainfall during the month were Sirajganj and Bogra 1/2" each on the 16th; Sirajgang, Dinajpur and Rangpur 1/2" each on the 17th; Bogra and Rangpur 3/4" each and Sirajganj 1/2" on the 24th.

The mean rainfall during the month was in large excess over the northern sub-division; normal over the eastern sub-division and in moderate defect over the deltaic sub-division. Averaged over the region it was in moderate excess.

The mean maximum temperatures were below normal in the northern sub-division and normal elsewhere over the region while the mean minimum temperatures were normal over the whole region. The mean relative humidity was in defect in the northern sub-division and normal elsewhere. Skies were less coluded than usual in eastern sub-divisions and more clouded in the rest of the region.

Table I contains the Divisional and Sub-divisional means of rainfall, temperature, humidity and cloud for the 5 chief divisions and 12 sub-divisions of Pakistan. These means are based on the Observations at the stations whose monthly means are given in the subsequent tables.

National Oceanic and Atmospheric Administration

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TABLE I.—DIVISIONAL AND SUB-DIVISIONAL MEANS—JANUARY 1953

Division	PRECIPITATION				DEPARTURE FROM NORMAL OF				
							0300 hrs. G. M. T.		
	Actual	Normal	Departure from normal	Percentage departure from normal	Maximum temperature	Minimum temperature	Vapour pressure	Relative humidity	Cloud
1	2	3	4	5	6	7	8	9	10
	*	*	*		*	*	Mbs.	%	
East Pakistan	0·52	0·34	+0·18	+53	—1·1	+0·1	—0·1	0	+0·1
Mean of East Pakistan	0·52	0·34	+0·18	+53	—1·1	+0·1	—0·1	0	+0·1
Punjab	1·28	0·87	+0·41	+47	—0·1	+0·8	+0·2	+5	—0·3
N.-W. F. P.	1·29	0·80	+0·49	+61	—1·3	—0·6	+0·6	+9	—0·7
Baluchistan	0·41	1·01	—0·60	—59	+2·5	—0·2	—0·2	+2	—1·3
Sind	0·08	0·24	—0·16	—67	+1·8	+0·3	+1·1	+7	—0·6
Mean of West Pakistan excluding Baluchistan	0·87	0·64	+0·23	+36	+0·4	+0·4	+0·6	+6	—0·5
Sub-Division									
East Pakistan (North)	1·19	0·38	+0·81	+213	—2·3	+1·4	+0·3	—6	+0·5
East Pakistan (East)	0·26	0·28	—0·02	—7	—0·7	—0·5	—0·4	0	—0·4
East Pakistan (Deltaic)	0·27	0·41	—0·14	—34	—1·1	+0·7	+0·3	+4	+0·5
Kashmir*	...	...	...	...	...	...	...	...	
North Punjab	2·23	1·32	+0·91	+69	—0·6	+0·2	+0·4	+7	—0·3
South Punjab	0·09	0·31	—0·22	—71	+0·5	+1·5	+0·1	+4	—0·4
N.-W.F.P. (Upper)	1·21	1·44	—0·23	—16	—0·5	—1·3	+0·8	+8	—1·8
N.-W.F.P. (Lower)	1·33	0·49	+0·84	+171	—2·1	—0·2	+0·5	+10	—0·1
Baluchistan (North)	0·61	0·94	—0·31	—33	+2·6	0·0	—0·4	+3	—1·6
Baluchistan (South)	0·01	1·15	—1·14	—99	+2·5	—0·6	+0·2	0	—0·9
Sind (Upper)	0·01	0·21	—0·20	—95	+1·9	+0·1	—0·8	—6	—0·1
Sind (Lower)	0·12	0·26	—0·14	—54	+1·6	+0·3	+ 2·4	+16	—0·9

*Data incomplete.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF JANUARY 1953

—contd.

Sub-Division and Station	Hours of Observation	Height of bar cistern above mean sea level	Mean pressure: Stn. level reduced to standard temp. and gravity	Mean pressure: Departure from normal	Mean pressure: Reduced to standard temp. & M.S.L. or nearest Gpkm. level	Mean temperature of the air & humidity: Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Total Cloud amount: Mean amount	Total Cloud amount: Departure from normal	Wind direction, Number of observations from :— N	NE	E	SE	S	SW	W	NW	Calm
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	GMT.	Ft.	Mbs.	Mbs.	Mbs.	°F	°F	°F	Mbs.	Mbs.	%	%	Oktas										
EAST PAKISTAN (North)																							
Pabna	0300					64·0	58·9	55·0	14·8	+0·3	73	—4											
Sirajganj	0000	49	1014·7		1016·5	54·7	53·7	52·3	13·8	...	93		1·9		1	0	0	0	0	0	6	24	
	0300		1016·4		1018·2	62·3	59·3	56·9	15·7	...	83		1·7		3	1	1	0	0	0	0	9	17
	1200		1014·3		1016·1	65·7	62·3	59·7	17·2	...	81		1·3		0	0	1	0	0	0	0	0	30
Bogra	0000	×65	1013·2		1015·6	55·2	53·6	51·9	13·3	...	90		2·4		0	0	0	0	0	0	0	0	31
	0300	63	1015·7	+0·3	1017·9	62·4	58·5	55·5	14·7	+0·5	77	—3	2·7	+0·9	6	4	2	0	0	4	6	5	4
	1200		1011·9		1014·1	70·7	61·9	55·1	14·9		58		2·2		4	0	1	2	0	2	11	3	8
Dinajpur	0000	123	1012·4		1016·9	51·3	50·1	48·8	11·8	...	93		1·1	...	0	0	0	0	0	0	0	0	31
	0300		1014·2	+1·1	1018·5	61·2	56·9	53·3	13·6	+0·1	74	—10	1·7	+0·2	0	0	0	0	0	0	0	0	31
	1200		1011·1	...	1015·4	64·4	60·7	55·3	16·4	...	81		1·1		0	0	2	0	0	0	0	0	29
Rangpur	0000																						
	0300												0·0		1	10	11	0	2	1	0	0	6
	1200												0·2		0	1	1	0	0	0	1	0	28
EAST PAKISTAN (East)																							
Cox's Bazar	0000	×10	1013·8		1014·2	59·3	57·7	56·3	15·5	...	91		0·6		8	11	10	0	0	0	1	1	0
	0300	38	1015·5	+0·2	1016·8	67·5	61·7	57·2	15·6	—1·5	69	—4	0·4	—1·0	5	9	0	0	0	0	0	1	16
	1200		1012·7	...	1014·0	71·1	64·0	58·9	17·2		66		1·1		3	2	0	0	0	0	0	7	19
Chittagong	0300	87	1014·0	0·0	1017·1	66·5	60·0	54·5	15·1	—1·0	67	—10	0·4	—1·0	11	14	1	0	0	0	0	2	3
	1200		1010·5	...	1013·5	71·3	62·3	55·6	14·9		58		1·2		11	1	0	0	0	2	3	14	0
Noakhali (Maijdee) ...	0000	22	1014·8		1015·6	56·0	55·0	53·7	14·3		93		0·4 (c)		0	0	0	0	0	0	0	0	28 (c)
	0300		1016·1	—0·2	1016·9	63·9	58·8	56·0	14·8	—1·9	73	—4	0·7 (a)	—0·9	3	0	0	0	0	0	0	0	27 (a)
	1200		1013·2	...	1014·0	70·7	62·5	56·5	16·1	...	62	...	1·0 (a)	...	2	0	0	0	0	0	0	1	27 (a)
Comilla	0000	29	1014·5		1015·5	56·0	55·2	54·8	14·3	...	93		2·1		0	2	0	1	1	0	0	0	27
	0300		1015·9	—0·2	1016·9	62·1	59·4	57·0	16·2	+0·2	85	+10	1·6	+0·3	5	3	0	1	1	0	0	4	17
	1200		1013·1		1014·1	70·7	63·7	59·5	17·2		66		1·8		5	1	0	0	1	0	1	1	22
Narayanganj	0000	26	1015·4	...	1016·3	56·3	55·0	53·9	13·8	...	90	...	*	...	1	0	2	0	0	0	0	1	27
	0300	...	1016·9	+0·4	1017·8	64·1	59·1	55·0	14·8	—0·6	73	—3	2·0	+0·2	11	2	4	0	0	0	1	9	4
	1200	...	1013·4	...	1014·3	69·6	61·5	55·6	15·4	...	61	...	1·9	...	0	0	0	0	0	0	1	0	30
Brahmanbaria	0000	32	1015·0	...	1016·2	55·4	54·5	54·0	14·3	...	97	...	1·5	...	0	1	0	0	0	0	0	0	30
	0300	...	1016·6	...	1017·7	65·9	61·2	57·2	16·1	+1·4	74	+4	1·5	...	7	6	1	0	0	0	0	0	17
	1200		1013·4	...	1014·5	70·4	63·3	58·3	16·5	...	66	...	1·6	...	0	2	0	0	0	0	1	0	28
Srimangal...	0000	69	1013·7	...	1016·3	47·3	46·8	45·9	10·5	...	96	...	1·6	...	0	0	0	0	0	0	0	0	31
	0300	...	1015·1	—0·2	1017·6	59·4	57·8	56·4	15·5	+1·3	91	+2	1·8	+0·4	1	0	0	1	1	1	0	0	27
	1200	...	1012·2	...	1014·7	62·4	60·6	59·3	16·8	...	88	...	1·8	...	1	0	0	0	0	0	1	1	28
Mymensingh	0000	62	1015·2	...	1017·4	51·7	50·3	48·9	11·8	...	90		1·5	...	0	0	1	0	0	0	0	0	30
	0300	...	1016·3	+0·8	1018·5	59·3	55·9	53·2	13·5	—1·4	79	—2	1·3	—0·6	0	0	5	0	0	0	1	0	25
	1200	...	1013·2	...	1015·4	61·9	57·0	52·6	13·6	...	72	...	1·3	...	0	0	1	0	0	0	0	0	30
EAST PAKISTAN (Deltaic)																							
Faridpur	0000	46	1014·5	...	1016·1	53·7	52·9	51·5	13·3	...	93	...	1·8	...	4	2	0	0	0	0	0	0	25
	0300	...	1015·5	+0·1	1017·1	61·3	59·0	55·7	15·6	+0·7	85	+8	1·8	+0·5	18	2	0	0	0	0	0	2	9
	1200	...	1012·9	...	1014·5	71·0	62·3	55·3	15·5	...	60	...	1·8	...	7	2	1	0	0	0	0	1	20
Barisal	0000	11	1014·9	...	1015·3	56·6	55·4	54·0	14·9	...	94	...	1·7	...	3	1	0	0	0	0	0	0	27
	0300	...	1017·0	0·0	1017·5	64·5	60·0	56·7	16·0	—0·4	76	0	1·5	+0·1	6	7	0	1	0	0	0	6	11
	1200	...	1013·7	...	1014·1	71·4	62·7	56·2	15·5	...	60	...	1·8	...	7	1	0	0	0	1	1	8	13
Khulna	0000	16	1015·3	...	1015·8	57·6	55·7	53·8	14·4	...	88	...	1·9	...	2	0	0	0	0	0	0	4	25
	0300	...	1016·0	—1·2	1016·6	64·1	59·2	54·7	14·8	+0·1	73	+6	1·5	—0·1	3	9	0	0	0	0	0	6	13
	1200	...	1015·1	...	1015·6	69·4	61·8	56·0	15·3	...	63	...	1·2	...	1	1	0	0	0	0	0	1	28

(a) Mean of 30 days. (c) Mean of 28 days. * Data rejected.

(×) Observations at 0000 hrs. were taken at a distant site by P.B.O. staff.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF JANUARY 1953 —*contd.*

Sub-Division and Station	Hours of Observation	Height of bar cistern above mean sea level	Mean pressure: Stn. level reduced to standard temp. and gravity	Mean pressure: Departure from normal	Mean pressure: Reduced to standard temp. & M.S.L. or nearest Gpkm level	Mean temperature of the air & humidity: Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Total Cloud amount: Mean amount	Total Cloud amount: Departure from normal	Wind direction, Number of observations from :— N	NE	E	SE	S	SW	W	NW	Calm
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
EAST PAKISTAN (Deltaic)—*contd.*	GMT	Ft.	Mbs.	Mbs.	Mbs.	°F	°F	°F	Mbs.	Mbs.	%	%	Oktas										
Jessore	0000	26	1014·6	...	1015·5	51·9	51·0	50·1	12·3	...	93	...	1·8	...	2	1	1	0	0	0	0	0	27
	0300	...	1016·6	—0.3	1017·5	60·8	57·8	55·2	15·1	+0·6	82	+7	2·1	+0·6	10	6	0	0	2	0	1	2	10
	1200	...	1013·8	...	1014·7	68·7	62·0	56·9	16·4	...	67	...	2·2	...	1	0	0	0	2	0	0	0	28
Satkhira	0000	16	1015·6	...	1016·1	55·7	53·5	51·9	13·3	...	87	...	2·5	...	5	1	1	0	0	0	0	7	17
	0300		1017·3	+0·3	1017·9	64·0	59·4	55·9	15·3	+0·7	75	+1	2·6	+1·2	8	3	0	2	0	15	0	0	3
	1200		1013·9	...	1014·5	71·0	63·4	58·0	16·5	...	61	...	2·4	...	2	1	0	0	1	2	0	5	2
KASHMIR																							
Srinagar ×	0000	5,205																					
	0300																						
	1200																						
Gulmarg ×	0000	8,709																					
	0300																						
	1200																						
Dras ×	0000	10,059																					
	0300																						
	1200																						
Leh ×	0000																						
	0300																						
	1200																						
Skardu ×...	0300	7,505																					
	1200																						
Gilgit ×...	0000	4,890																					
	0300																						
	1200																						
Misgar	0000	10,190	697·0	...	706·7	9·7	8·8	5·8	1·8	...	82	...	2·8	...	0	0	0	0	0	0	3	0	28
	0300	...	697·8	...	707·6	8·8	8·0	5·2	1·8	...	82	...	3·6	...	0	0	1	0	0	0	5	0	25
	1200	...	696·0	...	705·5	20·2	17·2	10·0	2·2	...	63	...	4·2	...	0	0	13	0	0	0	1	0	17
NORTH PUNJAB																							
Lahore	0000	702	992·0	...	1018·0	44·2	43·2	42·0	9·1	...	92	...	2·3	...	1	1	0	0	0	0	0	0	29
	0300	...	993·4	+0·6	1019·4	44·9	43·5	42·0	9·0	+0·4	88	+4	3·4	+0·4	1	3	1	3	0	1	0	1	21
	1200	...	991·8	...	1016·8	63·0	53·3	42·5	9·5	...	49	...	2·9	...	2	1	0	0	0	0	1	11	16
Sialkot	0000	830	987·9	...	1018·4	46·6	45·6	44·4	9·9	...	92	...	2·4	...	0	9	3	0	0	0	0	1	18
	0300	...	988·6	+0·2	1019·0	46·8	45·5	43·9	9·8	+0·7	88	+1	2·5	—0·1	1	7	1	0	0	0	1	1	20
	1200	...	986·9	...	1016·6	60·4	53·8	47·4	11·2	...	62	...	3·6	...	1	0	2	2	0	2	1	11	12
Jhelum	0000	765	990·1	...	1018·6	43·9	42·1	39·9	8·3	...	86	...	2·9	...	1	2	1	1	1	0	1	2	22
	0300	...	991·3	...	1019·8	44·2	42·3	39·9	8·3	...	85	...	3·3	...	0	0	1	0	0	1	4	8	17
	1200	...	989·5	...	1017·0	60·9	51·5	40·7	8·8	...	47	...	3·5	...	2	2	0	0	0	2	5	9	11
Rawalpindi	0000	1676	958·8	...	899·4	40·5	39·3	38·2	7·7	...	91	...	×	...	0	0	0	0	0	0	1	0	20
	0300	...	959·0	0·0	899·6	40·9	39·5	37·8	7·7	+0·3	87	+5	3·0	—0·2	0	0	0	0	0	0	0	0	31
	1200	...	957·9	...	900·4	37·2	49·2	39·6	8·7	...	54	...	2·4	...	0	0	0	0	0	0	4	0	27
Khushab	0000	616	995·4	...	1018·3	43·6	41·1	37·7	7·7	...	80	...	1·5	...	1	4	4	2	3	4	4	3	6
	0300	...	996·9	+0·2	1019·9	43·4	40·9	37·2	7·6	+0·6	79	+13	2·2	—0·5	2	4	3	1	3	4	5	3	6
	1200	...	994·9	...	1016·8	64·5	52·6	38·9	8·3	...	40	...	2·8	...	6	4	2	1	2	4	3	5	4
Lyallpur	0000	605	995·5	...	1018·0	43·8	42·2	40·1	8·4	...	88	...	1·9	...	4	3	2	0	0	2	5	3	12
	0300	...	996·7	+0·1	1019·3	42·7	41·4	39·8	8·3	—0·2	87	+10	2·5	—1·1	1	4	2	1	1	4	3	1	14
	1200	...	995·1	...	1016·9	63·3	52·6	40·9	8·7	...	44	...	2·6	...	3	0	1	2	0	3	4	6	12

× Data not available.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF JANUARY 1953 —*contd.*

Sub-Division and Station	Hours of Observation	Height of bar cistern above mean sea level	Mean pressure: Stn. level reduced to standard temp. and gravity	Mean pressure: Departure from normal	Mean pressure: Reduced to standard temp. & M.S.L. or nearest Gpkm level	Mean temperature of the air & humidity: Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Total Cloud amount: Mean amount	Total Cloud amount: Departure from normal	Wind direction, Number of observations from :— N	NE	E	SE	S	SW	W	NW	calm
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	GMT.	Ft.	Mbs.	Mbs.	Mbs.	°F	°F	°F	Mbs.	Mbs.	%	%	Oktas										
SOUTH PUNJAB																							
Montgomery	0000	558	997·0	...	1017·4	43·9	42·0	39·4	8·2	...	84	...	2·0	...	0	0	0	0	0	2	0	5	24
	0300	...	998·1	—0.1	1018·9	48·4	45·0	41·1	8·6	+0·7	74	—3	2·7	+0·3	0	0	0	1	1	1	0	4	24
	1200	...	996·2	...	1016·0	66·0	55·5	44·7	10·3	...	47	...	2·0	...	1	0	0	1	1	2	0	9	17
Multan	0300	413	1004·4	+0·7	1019·8	45·3	42·6	37·5	8·1	—1·4	79	+5	2·5	+0·1	5	1	0	1	1	0	1	3	19
	1200	...	1001·9	...	1016·7	66·5	52·8	35·5	7·5	...	34	...	2·1		5	4	3	2	3	1	0	1	12
Fort Abbas	0000	475	999·7	...	1017·4	45·2	42·2	38·2	7·8	...	76	...	1·5	...	3	4	6	0	0	2	0	2	14
	0300	...	1001·0	...	1018·3	51·4	46·7	40·3	8·8	...	68	...	1·8	...	2	6	5	7	0	3	0	1	7
	1200	...	998·6	...	1015·4	68·6	58·6	47·7	12·4	...	52	...	1·2	...	3	5	2	2	0	13	1	5	0
Bahawalpur	0300	384	1004·0	—1·0	1018·3	43·9	41·9	39·2	8·2	+0·6	84	+11	1·4	—1·2	1	12	3	3	1	0	0	2	9
	1200	...	1002·4	...	1016·0	68·8	57·1	46·4	10·8	...	45	...	1·6	...	2	5	0	0	0	0	0	0	22
Khanpur	0300	297	1008·7	+0.5	1019·7	46·9	42·1	38·9	7·0	+0·4	68	+2	1·5	—0·7	13	3	3	0	3	1	0	0	8
	1200	...	1006·4	...	1017·0	68·2	56·0	43·4	9·9	...	42	...	2·1	...	7	7	0	0	0	1	0	1	15
N.-W.F.P. (UPPER)																							
Chakdara	0000	2,225	938·8	...	900·9	40·1	38·3	35·8	7·1	...	85	...	2·7	...	0	0	0	1	0	0	0	0	30
	0300	...	940·0	...	902·0	38·5	37·0	34·8	6·9	...	87	...	2·7	...	2	2	0	2	0	1	0	6	18
	1200	...	938·7	...	902·0	55·8	49·0	42·5	9·2	...	62	...	3·2	...	0	0	1	3	4	7	1	3	12
Peshawar	0000	1,175	976·4	...	1019·6	43·3	40·3	35·3	7·2	...	75	...	2·7	...	1	1	1	2	10	14	1	1	0
	0300	...	977·5	—0·1	1020·9	42·0	39.6	35·3	7·2	+0·8	79	+8	2·8	—1·8	0	1	0	6	6	10	0	1	7
	1200	...	976·0	...	1017·9	57·6	50·2	38·8	9·1	...	56	...	3·4	...	2	1	1	3	4	3	0	4	13
Landikotal	0000	3,503	896·3	...	903·8	37·8	34·2	27·8	5·3	...	69	...	1·8	...	0	3	0	0	0	0	0	4	24
	0300	...	897·4	...	904·9	37·7	33·8	26·6	5·1	...	65	...	3·0	...	2	0	0	1	0	1	0	5	22
	1200	...	896·3	...	903·6	49·9	41·2	27·3	5·3	...	45	...	3·8	...	1	4	0	0	5	6	5	10	0
N.-W.F.P. (LOWER)																							
Bannu	0000	1,264	972·8	...	1019·2	44·4	40·9	34·8	7·1	...	72	...	2·2	...	1	1	0	0	0	2	17	6	4
	0300	...	974·2	...	1020·7	43·9	40·5	35·0	7·1	+1·0	73	+13	3·3	+0·9	1	1	0	0	0	2	19	4	4
	1200	...	972·5	...	1017·4	60·1	50·4	39·7	8·1	...	46	...	3·3	...	0	1	3	10	4	2	2	0	9
Miranshah (R)	0000	3,026																					
	0300	...																					
	1200	...																					
D.I. Khan	0000	570	997·1	...	1018·3	43·3	40·5	36·4	7·3	...	75	...	1·4	...	2	3	0	0	0	1	5	2	18
	0300	...	998·3	+0·1	1019·7	41·4	39·1	35·5	7·1	+0·1	78	+7	1·5	—1·1	1	3	3	0	0	3	5	0	19
	1200	...	997·5	...	1017·9	64·1	52·6	39·2	8·4	...	40	...	2·3	...	3	5	3	3	1	0	2	0	14
BALUCHISTAN (North)																							
Fort Sandeman																							
	0300	4,614	862·7	+1·0	907·1	33·8	28·8	17·6	3·4	—1·6	52	—25	1·4	—1·4	0	0	3	0	0	0	0	0	28
	1200	...	861·6	...	904·4	52·3	40·3	22·4	3·6	...	27	...	2·3	...	0	1	8	0	0	0	0	1	21
Hindu bagh	0000	5,909	821·2	...	800·8	32·0	29·7	25·8	4·7	...	77	...	1·9	...	0	0	1	0	0	11	15	1	3
	0300	...	822·2	...	801·8	32·8	30·5	27·3	4·9	...	78	...	2·3	...	0	0	1	1	1	9	9	2	8
	1200	...	820·5	...	800·7	46·6	38·1	25·4	4·7	...	45	...	3·4	...	1	0	5	3	1	13	5	1	2
Loralai	0000	4,699	857·4		904·4	33·2	31·2	28·0	5·1		80		0·9		0	0	0	0	1	4	16	0	10
	0300	...	859·5		906·2	33·8	31·5	27·7	5·0		75		2·1		0	0	0	0	1	0	23	0	7
	1200	...	857·4		902·5	52·7	46·8	40·1	8·4		63		3·4		0	0	0	1	13	1	6	0	10

(R) Register not received.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF JANUARY 1953 —*contd.*

Sub-Division and Station	Hours of Observation	Height of barometer above mean sea level	Mean pressure: Stn. level reduced to standard temp. and gravity	Mean pressure: Departure from normal	Mean pressure: Reduced to standard temp. & M.S.L. or nearest Gpkm level	Mean temperature of the air & humidity: Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Total Cloud amount: Mean amount	Total Cloud amount: Departure from normal	Wind direction, Number of observations from :— N	NE	E	SE	S	SW	W	NW	calm
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
BALUCHISTAN (North) —*contd.*	GMT.	Ft.	Mbs.	Mbs.	Mbs.	°F	°F	°F	Mbs.	Mbs.	%	%	Oktas										
Sibi	0000	441	1001·5	...	1018·0	43·8	39·8	33·9	6·6	...	68	...	1·4	...	0	0	0	0	0	0	1	2	28
	0300	...	1002·2	—0·1	1018·6	46·2	41·1	33·6	6·5	+1·0	62	+12	1·5	—1·1	0	0	0	0	0	0	0	3	28
	1200	...	999·9	...	1015·4	71·7	56·1	38·6	8·4	...	32	...	2·1	...	1	1	0	8	4	5	1	1	10
Quetta	0300	5,490	834·5	—0·3	801·2	36·0	33·4	30·0	5·6	+0·7	79	+1	2·7	—0·8	0	0	0	1	5	0	1	1	23
	1200	...	832·5	...	800·2	48·5	40·2	29·7	5·5	...	47	...	4·2	...	4	2	1	0	3	1	2	7	11
Quetta (Samungli)	0000	5,253	843·5	...	802·1	28·8	27·1	23·9	4·3	...	81	...	2·0	...	0	1	0	12	0	1	2	6	9
	0300	...	844·6	...	803·3	30·2	28·5	25·7	4·5	...	82	...	2·6	...	1	0	1	10	1	1	3	5	9
	1200	...	844·0	...	802·9	49·3	39·0	23·4	3·5	...	33	...	4·0	...	2	1	2	1	1	0	5	19	0
Chaman	0000	4,311	869·5	...	903·7	39·6	34·6	34·4	4·8	...	58	...	0·7	...	0	2	17	10	1	0	0	0	1
	0300	...	871·5	—0·1	904·5	39·2	34·6	34·4	5·0	—1·1	61	—5	0·7	—2·7	0	3	11	11	1	1	1	0	3
	1200	...	869·9	...	902·5	53·4	43·4	30·5	5·5	...	40	...	1·5	...	0	1	2	2	1	6	12	6	1
Nushki	0000	3,416	906·7	...	911·0	47·1	39·8	29·5	5·3	...	47	...	0·0	...	1	6	4	1	0	3	0	2	14
	0300	...	907·2	...	911·5	46·5	39·2	28·1	5·4	...	47	...	0·2	...	6	7	9	0	1	0	0	4	4
	1200	...	903·7	...	907·5	60·8	48·5	32·7	6·8	..	36	...	0·9	...	1	0	0	0	0	4	10	16	0
Kalat	0000	6,616	800·7	...	801·9	30·1	28 1	24·5	4·5	...	80	...	1·5	...	0	0	0	0	17	0	1	0	13
	0300	...	801·1	+0·7	802·7	29·1	27 5	24·6	4·5	+0·1	85	+15	1·3	—1·7	0	0	0	0	17	0	1	0	13
	1200	...	799·6	...	801·5	47·8	38·1	25·0	4·4	...	25	...	1·4	...	5	0	0	0	5	0	12	5	4
Dalbandin	0000	2,785	921·1	...	903·9	40·5	36·5	30·3	5·7	...	67	...	0·9	...	3	5	1	1	0	0	1	2	18
	0300	...	922·2	+0·6	904·9	39·0	35·6	30·2	5·7	—1·2	70	—3	1·9	—1·1	2	12	2	0	0	2	2	0	11
	1200	...	920·1	...	903·7	62·7	48·1	30·3	5·8	...	29	...	2·4	...	0	10	6	8	0	5	1	0	1
Nokkundi	0000	2,229	938·3	...	902·9	48·8	39·6	29·8	4·8	...	41	...	0·0	...	7	9	1	5	1	0	0	4	4
	0300	...	938·6	...	902·4	44·2	37·9	28·5	5·0	—0·5	51	—2	0·1	—2·5	11	9	1	0	0	1	0	7	2
	1200	...	937·3	...	902·3	68·3	53·4	41·3	7·7	...	33	...	0·0	...	4	3	3	10	3	2	0	4	2
BALUCHISTAN (South)																							
Las Bela	0000	292	1006·5		1017·2	53·9	50·9	47·7	11·4		80		5·2		1	0	0	0	0	0	0	2	28
	0300	...	1008·5	+0·7	1019·0	54·2	50·4	46·8	10·6	+0·9	75	+9	1·6	—0·6	2	1	0	2	0	0	1	9	16
	1200	...	1004·5		1014·6	79·5	64·2	51·9	13·3		39		1·4		0	1	0	9	1	13	0	0	7
Ormara	0000	15	1015·4	...	1015·9	62·5	59·8	57·6	16·5	...	86	...	0·3	...	1	1	2	1	0	0	5	0	21
	0300	...	1017·0	...	1017·5	61·5	57·9	54·7	14·9	+1·8	80	+4	0·9	—1·7	0	0	2	3	1	0	5	0	20
	1200	...	1014·4	...	1014·9	74·5	68·4	64·5	21·1	...	72	...	0·3	...	0	0	1	0	5	2	20	0	3
Pasni	0000	10	1016·3	...	1016·8	57·1	53·3	48·4	11·9	...	75	...	1·8	...	6	1	0	0	0	0	7	13	4
	0300	...	1017·5	—0·3	1017·9	59·0	54·3	50·2	12·3	—1·1	73	—4	1·6	—0·7	2	6	1	0	0	2	4	7	9
	1200	...	1015·1	...	1015·4	74·6	64·6	53·5	16·6	...	56	...	1·9	...	2	0	0	6	3	20	0	0	0
Turbat	0000	510	1000·1	...	1018·5	55·3	48·7	39·1	8·8	...	59	...	1·3	...	1	17	0	9	0	0	0	0	4
	0300	...	1001·3	...	1019·1	57·4	51·1	43·3	9·7	...	60	...	1·3	...	0	15	1	6	1	0	0	0	8
	1200	...	997·5	...	1015·1	79·2	63·0	49·1	13·1	...	37	...	1·0	...	0	8	2	0	1	3	9	7	1
Panjgur	0000	3,177	907·9	...	904·2	45·9	40·5	32·2	6·4	...	60	...	0·9	...	2	8	3	1	0	10	3	4	0
	0300	...	908·9	+1·0	905·2	43·0	38·4	30·1	6·1	—0·8	65	—9	2·3	—0·4	2	17	7	0	0	2	0	1	2
	1200	...	906·3	...	902·8	64·1	49·6	31·0	6·3	...	31	...	2·0	...	5	1	0	0	0	15	3	7	0
SIND (Upper)																							
Reti (R)	0000	280		...						...		...		...									
	0300	...		...						...		...		...									
	1200	...		...						...		...		...									
Jacobabad	0000	183	1010·4	...	1017·3	49·3	42·5	31·9	6·0	...	50	...	1·2	...	1	2	9	3	3	0	1	6	6
	0300	...	1012·2	+0·3	1019·1	48·1	41·8	31·6	6·3	—1·9	52	—18	1·8	—0·3	5	0	3	1	3	1	5	6	7
	1200	...	1009·1	...	1015·6	71·9	53·7	30·3	6·2	...	23	...	2·2	...	5	1	3	4	1	2	4	10	1

(R)—Register not received.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF JANUARY 1953

—*contd.*

Sub-Division and Station	Hours of Observation	Height of bar cistern above mean sea level	Mean pressure			Mean temperature of the air & humidity							Total Cloud amount		Wind direction, Number of observations from :—								
			Stn. level reduced to standard temp. and gravity	Departure from normal	Reduced to standard temp. & M.S.L. or nearest Gpkm level	Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Mean amount	Departure from normal	N	NE	E	SE	S	SW	W	NW	calm
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	GMT	Ft.	Mbs.	Mbs.	Mbs.	°F	°F	°F	Mbs.	Mbs.	%	%	Oktas										
SIND (Upper)—*contd.*																							
Sukkur	0300	221	1010·1	—0·6	1018·3	48·9	44·4	39·0	8·0	+0·3	67	+6	1·7	+0·1	4	9	4	7	3	1	0	0	3
	1200	...	1007·7	...	1015·5	71·4	55·8	39·0	8·4	...	31	...	2·5	...	8	7	2	3	4	4	0	2	1
Pad Idan	0000	153	1011·3	...	1017·0	44·0	41·9	37·4	8·1	...	84	...	0·4	...	9	3	0	0	0	0	0	3	16
	0300	...	1012·9	...	1018·4	44·6	41·6	36·9	7·5	...	76	...	0·9	...	2	13	0	0	0	1	1	4	10
	1200	...	1010·2	...	1015·6	72·7	55·8	36·2	7·4	...	27	...	1·5	...	11	7	0	1	4	0	1	2	5
SIND (Lower)																							
Umarkot	0000	55	1014·1	...	1016·0	50·8	45·5	38·4	8·1	...	82	...	0·4	...	9	5	2	0	1	1	1	0	12
	0300	...	1015·2	...	1017·2	52·8	47·2	40·2	9·6	...	64	...	0·5	...	6	4	2	0	1	1	0	0	17
	1200	...	1012·6	...	1014·2	76·4	58·2	49·7	8·4	...	27	...	1·0	...	10	2	1	0	0	3	1	6	8
Chhor	0000	19	1015·2	...	1015·9	48·2	45·2	41·4	8·9	...	77	...	1·1	...	1	1	1	0	0	0	0	0	28
	0300	...	1017·2	...	1017·9	49·0	46·0	43·4	9·2	...	78	...	1·3	...	1	0	0	0	0	0	0	0	30
	1200	...	1013·8	...	1014·5	76·4	64·4	55·1	15·3	...	49	...	1·8	...	6	7	0	0	0	3	6	2	7
Hyderabad	0000	96	1012·8	...	1016·3	54·2	49·2	42·6	9·6	...	67	...	0·3	...	16	1	0	0	0	1	0	0	13
	0300	...	1013·9	—0·9	1017·5	52·7	48·6	42·1	10·0	+1·6	73	+13	0·5	—1·3	15	0	0	1	0	2	0	0	13
	1200	...	1011·5	...	1014·9	75·1	59·0	42·3	9·8	...	33	...	1·2	...	12	12	0	1	1	4	0	0	1
Karachi (Air Port) ...	0000	73	1013·7	...	1016·3	55·1	49·4	40·6	9·6	...	64	...	1·3	...	12	3	1	0	0	2	0	1	12
	0300	...	1015·3	...	1018·0	54·8	49·1	40·0	9·5	...	65	...	1·5	...	11	4	0	0	0	0	2	2	12
	1200	...	1012·6	...	1015·2	74·6	59·0	39·8	10·1	...	34	...	1·5	...	2	3	3	1	6	12	2	1	1
Karachi (Manora)	0000	13	1015·7	...	1016·2	61·4	55·8	49·9	12·8	...	69	...	1·6	...	6	7	0	0	0	0	1	1	16
	0300	...	1017·2	—0·2	1017·~	61·6	56·0	49·9	12·8	+2·2	69	+7	1·9	—0·4	5	11	0	0	0	0	1	0	14
	1200	...	1014·6	...	1015·1	73·5	63·8	54·3	16·7	...	57	...	1·6	...	0	4	1	1	1	10	12	2	0
Badin	0000	31	1014·7	...	1015·4	51·8	47·1	46·0	11·2	...	83	...	0·1	...	1	0	0	0	1	4	0	1	24
	0300	...	1016·8	+0·2	1017·6	51·9	50·0	47·3	11·3	+3·4	86	+28	0·9	—0·9	4	2	0	0	0	2	0	1	22
	1200	...	1013·9	...	1015·0	77·3	66·4	57·6	16·9	...	53	...	0·3	...	8	0	0	0	0	3	0	5	15
HILL STATIONS (excluding Kashmir and Baluchistan)																							
Murree	×0000	7,113	...																				
	0300	...	783·4	—1·0	799·9	33·0	29·1	21·9	4·1	—0·6	63	+3	3·8	0·0	1	10	4	10	0	0	1	3	2
	1200	...	783·0	...	799·4	36·7	32·0	24·1	4·5	...	61	...	4·7	...	1	7	3	8	1	0	2	3	6
Chaat	×0000	4,272	...																				
	0300	...	872·6	+0·3	905·2	42·1	35·1	21·1	4·1	—0·7	45	—8	2·0	—1·3	24	5	1	0	0	0	0	1	0
	1200	...	871·7	...	904·1	46·0	38·7	26·6	5·1	...	48	...	2·0	...	21	5	1	4	0	0	0	0	0
Drosh	0000	4,806	857·7	...	908·2	34·2	30·1	21·4	4·1	...	61	...	2·7	...	9	1	2	2	0	0	0	0	26
	0300	...	858·4	+0·5	909·0	33·8	30·6	23·9	4·5	—0·8	69	—7	3·9	+0·1	0	2	2	3	0	0	0	0	24
	1200	...	856·1	...	905·5	43·1	36·1	22·4	4·4	...	47	...	4·8	...	0	2	5	7	0	3	0	0	13
Parachinar	0000	5,673	826·9	...	798·4	31·8	29·9	26·9	4·9	...	81	...	0·8	...	1	8	0	20	0	0	0	0	2
	0300	...	827·6	...	799·0	32·1	29·8	26·0	4·8	—0·1	76	+7	1·3	—2·0	1	11	0	14	0	0	0	0	5
	1200	...	827·4	—0·3	799·6	44·8	39·3	32·7	6·2	...	63	...	2·5	...	1	7	0	19	0	2	0	0	2
Wana	0300	4,503	864·3	...	905·3	30·1	28·3	25·1	4·5	—0·4	80	0	1·8	—0·5	0	0	0	1	0	1	0	0	29
			862·~	...	901·7	50·5	45·8	38·2	8·6	...			1·0	...	0	1	0	6	0	5			

× Data not available.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF JANUARY 1953 —*concld.*

Sub-Division and Station	Hours of Observation	Height of bar cistern above mean sea level	Mean pressure: Stn. level reduced to standard temp. and gravity	Mean pressure: Departure from normal	Mean pressure: Reduced to standard temp. & M.S.L. or nearest Gpkm level	Mean temperature of the air & humidity: Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Total Cloud amount: Mean amount	Total Cloud amount: Departure from normal	Wind direction, Number of observations from :— N	NE	E	SE	S	SW	W	NW	calm
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	GMT	Ft.	Mbs.	Mbs.	Mbs.	°F	°F	°F	Mbs.	Mbs.	%	%	Oktas										
AFGHANISTAN																							
Jalalabad	0300	1,950	948·8	...	900·7	45·6	40·2	33·0	6·3	...	60	...	2·3	...	0	1	0	1	0	7	7	1	14
	1200	...	945·7	...	899·1	58·2	49·3	40·5	8·4	...	51	...	2·6	...	0	0	2	1	0	2	4	2	20
Kabul	0300	5,955	823·1	...	803·6	23·4	21·6	16·7	3·2	0·0	75	+2	3·8	+0·1	3	2	0	0	7	9	4	2	4
	1200	...	821·9	...	803·0	36·9	31·2	22·0	4·1	...	57	...	3·9	...	3	2	1	2	7	7	2	1	6
Kandahar	0300	3,462	898·2	...	904·4	33·0	31·0	27·6	5·1	...	80	...	1·6	...	0	1	0	0	0	0	0	0	30
	1200	...	895·8	...	901·8	56·7	45·5	31·0	5·9	...	39	...	2·0	...	0	1	0	0	0	5	0	0	25
IRAN																							
Jask	0300	13	1017·5	...	1017·9	63·4	59·2	55·8	15·5	...	78	...	1·2	—1·4	6	14	7	0	0	0	0	3	1
	1200	...	1015·3	...	1015·7	76·0	66·9	61·3	18·6	...	60	...	0·7	...	0	1	2	0	9	8	11	0	0
ARABIA																							
Muscat	0300	20	1017·2	...	1017·7	67·5	61·4	57·1	15·8	...	72	...	1·0	—1·5	0	0	2	1	0	4	7	6	11
	1200	...	1015·2	...	1015·7	73·3	65·9	61·0	18·3	...	68	...	0·6	...	8	2	3	0	2	1	0	15	0
Kuwait	†0600	16	1019·8	...	1020·7	59·4	54·4	49·8	12·2	...	70	...	1·4	...	4	2	2	0	2	2	5	11	3
	1200	...	1017·1	...	1017·7	64·1	57·6	51·9	13·4	...	65	...	1·4	...	5	3	4	1	0	2	0	10	6

(†) Observations recorded at 0600 hrs. G.M.T. instead of 0300 hrs. G.M.T.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF JANUARY, 1953.

Sub-Division and Station	Maximum temperature of the air °F: Mean	Departure from normal	Highest	Date	Minimum temperature of the air °F: Mean	Departure from normal	Lowest	Date	Precipitation (Inches): Total of the month	Departure from normal	Heaviest fall in 24 hours	Date	Days with 0·10" or more	Departure from normal	Wind velocity (Knots): Mean	Departure from normal	Weather Number of days: Thunder heard	Hail	Visibility Code figure 93 or less: Fog	Haze (dust)	Dust storm
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
EAST PAKISTAN (NORTH)																					
Pabna ...	74·6	—4·5	83	15	53·5	+1·6	46	19	0·37	—0·03	0·30	17	1	+0·1	×	...	0	0	0	0	0
Rajshahi ...	...	...	...	...	...	...	...	...	2·70 (a)	...	1·60	16	3	...	...	...					
Sirajganj ...	76·2	...	80	1	51·9	...	47	20, 25	1·65	+1·27	0·65	17	3	+2·2	1·6	...	0	0	0	0	0
Bogra ...	74·3	—1·5	81	12	53·9	+1·8	48	19,25,26	1·40	+0·97	0·74	24	3	+2·0	1·7	+0·8	1	0	1	0	0
Dinajpur ...	74·6	—0·8	80	11,13,15	50·4	+0·8	44	4,19,25	0·98	+0·62	0·68	17	3	+2·1	1·1	0.0	0	0	2	0	0
Rangpur ...	...	...	...	...	...	...	...	...	1·53	+1·19	0·75	24	3	+2.2	...	...					
EAST PAKISTAN (EAST)																					
Cox's Bazar ...	80·5	+0·9	86	17	56·4	+0·2	49	26	0·00	—0·14	0·00	...	0	—0·3	2·5	+1·0	0	0	0	0	0
Chittagong ...	79·1	+0·3	83	16,17,23	54·8	—0·2	47	26	0·00	—0·24	0·00	0	0	—0·4	3·8	+0·1	0	0	2	0	0
Noakhali (Maijdee)	77·0	—1·1	82	8	54·9	—2·6	47	27	0·12	—0·13	0·07	23	0	—0·5	*	—	0	0	0	0	0
Comilla ...	*	...	...	...	54·5	+1·6	47	28	0·16	—0·16	0·09	24	0	—0·8	1·2	+0·1	0	0	1	0	0
Narayanganj ...	77·7	—0·2	82	8,15,16	55·4	—0·1	48	25	0·23	—0·09	0·13	23	2	+1·2	1·4	+0·3	0	0	0	0	0
Brahmanbaria ...	77·2	—1·2	82	8, 10	53·6	+2·1	42	5	0·45	+0·23	0·24	17	2	+1·3	1·5	...	0	0	0	0	0
Srimangal ...	76·9	—2·6	81	8	45·8	—1·7	39	27	0·33	—0·09	0·18	23	2	+1·0	1·1	—0·3	0	0	2	0	0
Mymensingh ...	75·2	—0·9	82	13	50·0	—3·6	48	7 days.	0·77	+0·45	0·32	24	3	+2·1	2·4	+1·7	0	0	0	0	0

*Data rejected. (a) Observation for 30 days. × Data not available.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF JANUARY, 1953—*contd.*

Sub-Division and Station	Maximum temperature of the air °F				Minimum temperature of the air °F				Precipitation (Inches)						Wind velocity (Knots)		Weather Number of days				
	Mean	Departure from normal	Highest	Date	Mean	Departure from normal	Lowest	Date	Total of the month	Departure from normal	Heaviest fall in 24 hours	Date	Days with 0·10 or more	Departure from normal	Mean	Departure from normal	Thunder heard	Hail	Visibility Code figure 33 or less		
																			Fog	Haze dust	Dust-storm
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
EAST PAKISTAN (DELTAIC)																					
Faridpur	75·5	—0·4	82	11,12,13	52·8	+0·3	44	25	0·40	—0.03	0·21	23	2	+1·1	*	...	0	0	0	0	0
Barisal	76·3	—1·5	80	14,15,16	55·9	+0·5	48	25	0·20	—0.22	0·12	23	1	+0·3	2·0 (d)	+0·9	0	0	2	0	0
Khulna	77·1	—1·4	83	14	*	...	...	...	0·18	—0.26	0·18	23	1	+0·2	2·0	+0·3	0	0	0	0	0
Jessore	77·5	—1·1	84	15	50·6	+1·4	42	19	0·29	—0.08	0·16	23	2	+1·1	2·2	+1·2	0	0	1	0	0
Satkhira	*	...	...	...	53·6	+0·8	47	25, 26	0·29	—0.09	0·27	23	1	+0·1	1·5	+0·5	0	0	0	0	0
KASHMIR																					
Srinagar ×																					
Gulmarg ×																					
Dras ×																					
Leh ×																					
Skardu ×																					
Gilgit ×																					
Misgar	26·7	...	34	11, 14	6·8	...	0	4 days.	0·72	...	0·25	19	3	...	1·2	...	0	0	0	0	0
Jammu ×																					
Kargil ×																					
Gurez ×																					
NORTH PUNJAB																					
Lahore	66·6	—1·4	74	10,13,14	41·8	+1·7	37	4 days.	1·60	+0·56	0·73	16	3	+1·0	1·8	+0·7	1	1	5	0	0
Sialkot	64·5	—1·1	72	14	42·9	+0·7	31	17	4·79	+2·83	1·75	15	5	+2·1	1·1	+0·2	0	0	1	0	0
Jhelum	64·8	...	75	12	40·6	...	35	5, 6	3·14	...	1·38	15	4	...	1·8	...	2	0	2	0	0
Rawalpindi ...	62·5	+0·2	73	12	37·0	—0·9	32	5	3·40	+0·91	2·50	15	3	—0·8	1·5	—0·1	0	0	2	0	0
Khushab	67·5	—0·2	75	9, 10	40·0	—0·7	34	5	0·85	+0·18	0·28	12	4	+2·5	2·6	+0·4	0	0	2	0	0
Lyallpur	66·7	—0·4	74	10	*	...	*	...	0·52	+0·12	0·28	16	2	+1·0	2·0	+0·7	1	0	13	0	0
SOUTH PUNJAB																					
Montgomery ...	67·9	—0·2	77	10	42·4	+0·7	36	6, 7	0·11	—0·35	0·11	14	1	—0·3	1·4	—0·5	0	0	3	0	0
Multan	69·3	+1·3	76	30	42·5	+0·5	35	7	0·20	—0·17	0·20	14	1	—0·2	2·6	+1·6	0	0	1	0	0
Fort Abbas ...	71·3	...	80	27	*	...	*	...	0·14	...	0·14	15	1	...	3·5	...	0	0	0	0	0
Bahawalpur ...	70·5	+0·6	78	31	41·8	+1·5	35	7	0·00	—0·16	0·00	...	0	—0·6	2·0	+0·3	1	0	0	0	0
Khanpur	72·1	+0·2	78	25, 30	43·0	+3·1	37	4 days.	0·06	—0·17	0·06	14	0	—0·8	3·7	+0·3	0	0	0	0	0
N.-W.F.P. (UPPER)																					
Chakdara ...	58·5	...	69	8	35·8	...	31	5, 6	2·23	...	1·27	15	4	...	3·3	...	0	0	1	0	0
Peshawar	62·5	—0·5	73	8	39·1	—1·3	33	3	1·21	—0·23	0·90	15	2	—0·9	2·4	+1·2	0	0	2	0	0
Landikotal ...	51·9	...	59	11, 12	37·0	...	30	17	1·95	...	0·55	15	3	...	1·7	...	0	0	2	0	0
N.-W. F. P. (LOWER)																					
Bannu	63·4	—2·1	73	12	41·0	+1·1	36	16	1·77	+1·25	0·52	16	5	+3·8	2·4	...	0	0	0	0	0
Miranshah (R)																					
D. I. Khan ...	*	...	*	*	38·8	—1·5	31	6, 7	0·88	+0·43	0·77	14	1	—0·2	1·4	+0·4	0	0	2	0	0
BALUCHISTAN (NORTH)																					
Fort Sandeman ...	52·8	—1·9	68	26	30·1	—0·5	26	8	0·76	+0·04	0·38	14	2	—0·1	1·2	—0·4	1	0	0	0	0
Hindubagh ...	51·0	...	62	10	28·6	...	17	16	1·32	...	1·03	14	1	...	6·8	...	0	0	0	0	0
Loralai	56·0	...	64	27	29·9	...	23	17,20	0·42	—0·34	0·42	14	1	—0·9	4·1	...	0	0	0	0	0
Harnai	...	...	...	...	...	...	...	...	0·16	—0.73	0·16	1	1	—1·0	...	...					
Sibi	72·7	+2·6	79	13, 29	41·8	—0·2	35	3	0·12	—0.32	0·09	14	0	—1·1	1·2	—0·9	0	0	0	0	0

× Data not available. (d) Mean for 27 days. (R) Register not received. * Data rejected.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF JANUARY 1953—*concld.*

Sub-Division and Station	Maximum temperature of the air °F				Minimum temperature of the air °F				Precipitation (Inches)						Wind velocity (Knots)		Weather Number of days				
	Mean	Departure from normal	Highest	Date	Mean	Departure from normal	Lowest	Date	Total of the month	Departure from normal	Heaviest fall in 24 hours	Date	Days with 0.10" or more	Departure from normal	Mean	Departure from normal	Thunder heard	Hail	Visibility Code figure 93 or less		
																			Fog	Haze dust	Dust-storm
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
BALUCHISTAN NORTH—*contd.*																					
Quetta	50·9	...	66	25	27·7	...	21	5, 29	1·43	...	0·65	14	4	...	4·1	+1·9	0	2	0	0	0
Quetta (Samungli) ...	51·7	...	65	13	25·1	...	19	5, 6	1·10	...	0·70	14	2	...	4·5	...	0	0	0	0	0
Chaman	55·3	+2·9	67	26	36·8	+2·3	28	5, 6	1·73	+0.09	0·80	15	2	—2·4	4·3	+0·6	0	0	0	0	0
Nushki	62·2	...	75	26	42·5	...	33	2	0·23	...	0·23	14	1	...	7·0	...	0	0	0	0	1
Kalat	50·7	+1·2	64	25	26·4	+0·5	14	1	1·35	+0.04	0·99	14	2	—1·5	4·2	+0·5	0	0	0	0	0
Dalbandin ...	64·0	+2·5	79	25, 26	35·7	+0·4	26	6, 7	0·31	—0.57	0·21	14	2	—0·1	3·8	+1·0	0	0	0	0	2
Nokkundi ...	71·5	+8·1	86	28	35·6	—2·7	31	9 days	0·00	—0.89	0·00	...	0	—2·0	4·4	—0·5	0	0	0	0	0
BALUCHISTAN (SOUTH)																					
Las Bela	81·7	+3·6	88	27, 29	*	*	*	*	0·00	—0·26	0·00	...	0	—1·0	1·8	+0·1	0	0	0	0	0
Ormara	75·7	+1·9	82	29, 30	58·1	+1·6	51	2	0·04	—1·51	0·04	18	0	—1·8	4·9	+0·9	0	0	0	0	0
Pasni	77·2	+2·7	81	29, 30	54·2	—0·5	47	16	0·00	—1·95	0·00	...	0	—2·3	6·7	+1·7	0	0	0	0	0
Turbat	80·5	...	89	27	53·6	...	44	1, 7	0·00	...	0·00	...	0	...	5·5 (a)	...	0	0	0	0	0
Panjgur	64·7	+1·8	76	26	35·7	—2·9	28	5, 7	0·00	—0·83	0·00	...	0	—1·9	3·9	—0·5	0	0	0	0	1
SIND (UPPER)																					
Reti (R)		...				...				...		...		...		...					
Jacobabad ...	73·3	+1·9	79	29	45·2	+0·3	39	7, 8	0·03	—0·20	0·03	14	0	—0·7	3·2	+0·6	0	0	1	0	0
Sukkur	74·3	+2·0	82	31	45·0	0·0	37	2	0·00	—0·18	0·00	...	0	—0·4	2·5	+0·1	0	0	1	0	0
Pad Idan	74·2	...	79	29, 30 31	40·9	...	33	8	0·00	...	0·00	...	0	...	3·0	...	0	0	0	0	0
SIND (LOWER)																					
Umarkot	78·4	...	88	28	47·6 (d)	...	39	18	0·00	...	0·00	...	0	...	3·2	0	0	0	0	0	0
Chhor	77·4	...	84	28, 31	44·7	...	37	4 days	0·00	...	0·00	...	0	...	1·4	...	0	0	1	0	0
Hyderabad ...	76·8	+1·0	85	25, 26, 31	50·1	—0·5	44	3	0·17	0·00	0·13	19	1	+0·5	2·5	—1·1	0	0	0	0	0
Karachi (Air Port)	77·4	...	84	29	51·1	...	41	3	0·07	...	0·04	19	0	...	3·8	...			2		
Karachi (Manora) ...	76·1	+0·6	82	30	58·6	+1·2	52	2, 3, 7	0·00	—0·46	0·00	...	0	—1·0	4·7	—0·7	0	0	3	0	0
Badin	79·6	+3·3	88	31	*	...	...	...	0·20	+0·05	0·20	19	1	+0·6	3·2	...	0	0	2	0	0
HILL STATIONS (excluding Kashmir and Baluchistan)																					
Murree	42·0	—3·2	56	8	29·6	—1·1	16	17	6·77	+2·98	2·86	15	6	—0·1	6·9	+1·9	0	0	6	0	0
Cherat	48·7	—0·5	58	11	39·2	+0·3	29	16	5·50	+3·17	2·50	19	4	+0·5	×	...	0	0	2	0	0
Drosh	46·8	+1·1	56	9	31·8	+0·4	27	4 days	1·07	—0·30	0·31	15	4	+0·6	3·0	+0·5	0	0	0	0	0
Parachinar ...	50·1	+0·3	62	11, 12	28·1	—0·5	19	20	2·57	+0·54	0·85	15	5	+0·4	2·5	+0·8	0	0	0	0	0
Wana	52·9	—0·4	63	9	25·2	—1·6	21	6,13	3·00	+1·61	1·50	14, 19	2	—1·0	2·1	...	0	0	0	0	0
AFGHANISTAN																					
Jalalabad	60·4	...	70	9	36·8	—	30	20	0·82	...	0·51	15	2	...	1·8	...	0	0	0	0	0
Kabul	40·3	+3·1	52	9, 11	19·2	0·0	7	20	1·76	+0·47	0·66	14	3	—0·1	4·5	+1·4	0	0	0	0	0
Kandahar ...	59·8	...	73	26	31·4	...	22	5 days	1·04	...	0·73	14	2	...	1·4	...	0	0	0	0	0
IRAN																					
Jask	77·1	+2·6	83	31	59·3	—1·2	56	6 days.	0·00	—1·17	0·00	...	0	—2·1	6·7	—0·4					
ARABIA																					
Muscat	75·1	—0·2	79	23,24,31	65·8	—0·8	62	4 days.	0·06	—0·92	0·06	4	0	—0·6	3·2	—0·3	0	0	0	0	0
Kuwait	65·3	...	72	24	55·0	...	49	5, 17	0·75	...	0·70	24	1	...	×	...	1	0	0	0	0

* Data rejected. (x) Data not available. (R) Register not received. (d) Mean of 27 days. (e) Mean of 30 days.

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PAKISTAN WEATHER REVIEW, 1953

MONTHLY WEATHER REPORT

FEBRUARY

PUBLISHED BY THE AUTHORITY OF THE GOVERNMENT OF PAKISTAN

Chief features :—(1) Fairly widespread rains over West Pakistan outside Sind, in the end of the second and the beginning of the third week.

(2) Light rainfall activity over East Pakistan during the last four days of the month.

West Pakistan :—Three western disturbances moving across from the northern parts of West Pakistan during the first 6 days of the month caused light rain in Baluchistan, the Punjab and the North-West Frontier Province during the period. Moderate rain again occurred in the above region between the 9th and the 11th ; under the influence of another western disturbance moved across the extreme north of West Pakistan with its secondary moving from Baluchistan across the Punjab. A few duststorms occurred in the South Punjab during this period.

An active western disturbance moving across the northern parts of West Pakistan caused fairly widespread rains all over West Pakistan outside Sind towards the end of the second and the beginning of the third week.

During the rest of the month four feeble western disturbances affected West Pakistan, and caused light rain in the North West Frontier Province and a few duststorms in Baluchistan in the beginning of the fourth week.

Some of the noteworthy amounts of rainfall recorded during the month were :—Kalat, Quetta and Chaman 1" each on the 10th ; Rawalpindi and Chakdara 1" each on the 11th ; Jiwani 2" and Ormara and Pasni 1" each on the 13th ; Turbat 1" on the 14th ; and Chakdara 2", Murree and Cherat 1 1/2" each and Drosh and Pasni 1" each on the 15th.

The mean rainfall during the month was normal in the North-West Frontier Province and Baluchistan, and in large defect elsewhere over West Pakistan. No rain fell over Lower Sind. Averaged over the plains of West Pakistan, it was in large defect.

The mean maximum temperatures were above normal in the region while the mean minimum temperatures were normal in south Baluchistan and above normal elsewhere. The mean relative humidity was in excess over lower Sind and normal elsewhere over the region outside the south Punjab where it was in defect. Skies were more clouded than usual in (the south Punjab), the lower North-West Frontier Province, south Baluchistan and upper Sind and normally clouded elsewhere.

East Pakistan :—Three low pressure waves moving across East Pakistan caused a few falls of light rain or drizzle there on some days during the first three weeks of the month.

During the last four days of the month light rainfall occurred over East Pakistan due to the passage of two western disturbances across the region. Rangpur recorded ¾" rain on the last day of the month.

The mean rainfall during the month was in slight defect over the northern sub-division and in large defect elsewhere. Averaged over the region, it was in large defect.

The mean maximum and the mean minimum temperatures were above normal in East Pakistan. The mean relative humidity was normal. Skies were less clouded than usual in the Eastern sub-division and normally clouded elsewhere.

Table I contains the Divisional and sub-divisional means of rainfall, temperature, humidity and cloud for the 5 chief divisions and 12 Sub-divisions of Pakistan. These means are based on the observations at the stations whose monthly means are given in the subsequent tables.

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TABLE I—DIVISIONAL AND SUB-DIVISIONAL MEANS FEBRUARY, 1953.

Division	Precipitation				Departure from Normal of				
							0300 Hrs. G. M. T.		
	Actual	Normal	Departure from normal	Percentage departure from normal	Maximum temperature	Minimum temperature	Vapour pressure	Relative humidity	Cloud
1	2	3	4	5	6	7	8	9	10
	"	"	"		°	°	Mbs.	%	
East Pakistan	0·28	0·96	—0·68	—71	+2·4	+2·3	+1·7	+1	—0·3
Mean of East Pakistan	0·28	0·96	—0·68	—71	+2·4	+2·3	+1·7	+1	—0·3
Punjab	0·32	0·89	—0·55	—63	+4·6	+4·4	+0·9	0	+0·2
N.-W.F.P.	1·11	1·13	—0·02	—2	+3·0	+4·6	+1·4	+1	+1·0
Baluchistan	1·21	1·17	+0·04	+3	+4·9	+3·5	+1·1	+3	+0·6
Sind	0·01	0·32	—0·31	—97	+2·7	+2·9	+1·5	+8	+0·8
Mean of West Pakistan excluding Baluchistan	0·34	0·73	—0·39	—53	+3·7	+3·9	+1·2	+3	+0·5
Sub-Division									
East Pakistan (North)	0·56	0·75	—0·19	—25	+2·2	+4·4	+1·7	—3	—0·1
East Pakistan (East)	0·11	1·06	—0·95	—90	+2·5	+1·8	+1·4	+2	—0·5
East Pakistan (Deltaic)	0·18	1·08	—0·90	—83	+2·5	+2·0	+2·1	+2	—0·2
Kashmir*	...	...	...	...	...	...	...	...	...
North Punjab	0·55	1·32	—0·77	—58	+4·8	+3·8	+1·3	+4	+0·3
South Punjab	0·04	0·36	—0·32	—89	+4·3	+5·1	+0·5	—4	+0·1
N.-W.F.P. (Upper)	1·37	1·53	—0·16	—10	+4·0	+3·6	+1·0	—3	—0·4
N.-W.F.P. (Lower)	0·98	0·93	+0·05	+5	+2·0	+5·1	+1·6	+3	+1·7
Baluchistan (North)	1·20	1·09	+0·11	+10	+5·6	+4·4	+0·7	+3	+0·5
Baluchistan (South)	1·23	1·36	—0·13	—10	+3·8	+1·8	+1·8	+2	+0·6
Sind (Upper)	0·03	0·31	—0·28	—90	+3·5	+2·9	+0·4	+2	+2·5
Sind (Lower)	0·00	0·34	—0·34	—100	+5·5	+2·9	+2·2	+11	—0·2

*Data incomplete.

TABLE II—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF FEBRUARY, 1953

Sub-Division and Station	Hours of Observation	Height of bar cistern above mean sea level	Mean pressure: Stn. level reduced to standard temp. and gravity	Mean pressure: Departure from normal	Mean pressure: Reduced to standard temp. & M.S.L. or nearest Gpkm level	Mean temperature of the air and humidity: Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Total Cloud amount: Mean amount	Total Cloud amount: Departure from normal	Wind direction, Number of observations from:— N	NE	E	SE	S	SW	W	NW
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
EAST PAKISTAN (North)	GMT	Ft.	Mbs.	Mbs.	Mbs.	°F	°F	°F	Mbs.	Mbs.	%	%	Oktas	Oktas								
Pabna	0300	...	...	...	...	71·1	63·9	59·0	17·2	+1·3	66	—4	...	...	...	...	...	...	...	...	...	...
Sirajganj	0000	49	1012·3	...	1014·1	62·0	60·3	58·7	17·3	...	91	...	2·0	...	1	0	0	0	2	0	0	1
	0300	...	1014·0	...	1015·7	69·4	64·5	61·3	18·1	...	75	...	1·7	...	1	0	0	2	3	2	0	1
	1200	...	1011·2	...	1012·9	73·4	65·7	60·6	18·1	...	65	...	1·0	...	1	1	1	1	0	0	1	0
Bogra	0000	65×	1011·8	...	1014·2	60·7	58·4	56·6	15·6	...	85	...	2·3	...	0	1	0	0	0	0	0	0
	0300	63	1014·1	+1·1	1016·3	68·3	63·1	59·1	17·4	+2·7	74	+2	2·7	+0·8	3	6	7	5	0	5	1	1
	1200	...	1010·1	...	1012·2	79·9	67·6	59·2	17·3	...	49	...	1·9	...	1	2	1	1	0	5	11	1
Dinajpur	0000	123	1011·0	...	1015·5	56·9	55·4	53·9	14·4	...	90	...	0·8	...	0	1	2	0	0	0	0	0
	0300	...	1012·7	+1·9	1017·1	68·3	61·5	56·9	15·2	+1·2	65	—8	1·0	—0·9	0	0	3	0	0	0	0	0
	1200	...	1009·5	...	1013·8	76·9	66·2	58·7	17·5	...	60	...	0·6	...	1	0	1	0	0	0	0	0
EAST PAKISTAN (East)																						
Cox's Bazar	0000	10×	1013·6	...	1014·0	61·4	60·4	59·4	17·2	...	94	...	0·9	...	5	10	13	0	0	0	0	0
	0300	38	1015·1	+1·5	1016·4	73·6	66·7	62·1	19·4	+1·0	68	—1	0·8	—0·7	0	0	0	0	2	0	0	0
	1200	...	1012·5	...	1013·9	75·0	68·7	64·9	20·9	...	70	...	0·9	...	3	0	0	1	2	0	2	1
Chittagong	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	0300	87	1013·1	+0·5	1016·1	71·8	64·5	59·3	17·3	0·0	65	—6	0·8	—1·0	5	8	4	2	2	0	0	0
	1200	...	1009·9	...	1012·9	76·5	67·9	62·1	19·9	...	63	...	1·1	...	2	1	0	0	3	9	10	3
Noakhali ... ... (Maijdee)	0000	22	1013·1	...	1014·0	62·8	61·1	59·5	18·0	...	91	...	*	...	*	*	*	*	*	*	*	*
	0300	...	1015·6	+1·0	1016·4	68·8	64·4	60·9	18·7	0·0	77	+4	*	...	*	*	*	*	*	*	*	*
	1200	...	1012·4	...	1013·2	79·0	68·1	59·3	18·4	...	54	...	*	...	*	*	*	*	*	*	*	*
Comilla	0000	29	1014·0	...	1015·0	61·4	60·6	60·0	17·2	...	94	...	2·8	...	0	0	1	2	2	1	1	1
	0300	...	1015·1	+0·6	1016·1	67·6	64·0	61·3	19·1	+1·4	82	+11	2·3	+0·1	3	0	0	2	8	0	0	1
	1200	...	1011·9	...	1012·9	79·3	69·7	63·8	19·7	...	58	...	2·0	...	1	0	1	2	3	1	2	1
Narayanganj	0000	26	1014·4	...	1015·3	63·2	61·5	60·1	18·0	...	91	...	1·7	...	1	0	1	1	3	0	0	0
	0300	...	1015·8	+1·4	1016·7	71·4	64·7	60·1	17·8	+1·1	69	—2	2·2	—0·3	5	2	4	0	8	2	2	3
	1200	...	1011·7	...	1012·6	79·5	66·6	58·0	16·0	...	47	...	1·5	...	2	0	0	1	2	0	0	1
Brahmanbaria	0000	32	1014·0	...	1015·1	61·4	60·4	59·4	17·2	...	94	...	1·7	...	0	0	0	0	4	0	0	0
	0300	...	1015·5		1016·6	72·0	65·7	61·3	18·5	+2·6	69	+2	1·6		0	3	3	1	7	2	0	0
	1200	...	1011·5	...	1012·6	77·7	68·2	62·5	19·5	...	60	...	1·7	...	0	1	0	0	0	2	0	0
Srimangal	0000	69	1012·7	...	1015·3	52·8	52·2	51·1	13·3	...	97	...	1·5	...	0	0	0	0	1	0	0	0
	0300	...	1014·1	+1·1	1016·6	66·1	62·6	60·2	17·7	+2·1	81	+4	1·8	—0·3	2	0	0	0	3	0	0	0
	1200	...	1010·6	...	1013·0	72·1	66·7	64·0	19·7	...	73	...	1·7	...	0	1	2	0	2	1	1	0
Mymensingh	0000	62	1013·2	...	1015·4	61·1	59·5	58·5	16·7	...	91	...	1·1	...	0	0	1	0	0	0	0	0
	0300	...	1014·8	+1·4	1017·0	67·2	63·7	61·5	18·4	+2·9	81	+7	1·3	—1·0	0	0	13	1	0	0	1	1
	1200	...	1010·9	...	1013·0	77·6	68·0	61·7	19·5	...	60	...	1·9	...	0	0	1	0	0	0	1	0
EAST PAKISTAN (Deltaic).																						
Faridpur	0000	46	1012·1	...	1013·7	59·5	58·5	57·3	16·0	...	94	...	1·9	...	3	1	0	1	1	0	0	0
	0300	...	*	...	*	70·2	64·6	60·8	18·2	+1·9	73	—1	2·1	+0·1	5	2	0	1	4	1	1	0
	1200	...	1010·7	...	1012·3	79·7	68·3	60·9	18·6	...	53	...	1·9	...	3	0	1	0	1	1	2	1
Barisal	0000	11	1013·8	...	1014·2	63·6	62·2	61·2	18·6	...	91	...	1·9	...	1	0	0	0	2	3	0	0
	0300	...	1016·0	+1·3	1016·4	72·0	66·0	62·0	19·1	+0·6	71	—2	2·0	—0·1	2	1	0	0	2	5	1	4
	1200	...	1012·1	...	1012·5	79·3	68·7	62·3	19·1	...	56	...	2·3	...	3	1	0	0	5	3	1	0
Khulna	0000	16	1014·0	...	1014·5	63·3	61·8	60·4	18·0	...	91	...	1·4	...	1	0	0	0	1	0	0	0
	0300	...	1016·2	+1·4	1016·7	71·8	66·0	61·4	19·4	+2·9	71	+5	1·6	—0·9	0	2	0	3	1	4	0	3
	1200	...	1013·0	...	1013·5	78·5	68·2	60·7	19·1	...	56	...	1·3	...	0	0	0	0	1	4	0	2
Jessore	0000	26	1013·2	...	1014·1	59·3	58·2	56·9	16·0	...	94	...	1·8	...	0	1	2	0	0	0	0	0
	0300	...	1015·2	+0·6	1016·1	67·9	64·3	61·7	19·1	+2·7	82	+11	2·3	+0·1	0	1	2	2	2	3	2	3
	1200	...	1011·6	...	1012·5	78·7	66·7	58·2	17·2	...	51	...	2·1	...	1	0	1	1	3	0	2	1
Satkhira	0000	16	1014·2	...	1014·9	62·9	61·5	59·8	18·0	...	91	...	1·8	...	0	1	0	2	0	4	0	4
	0300	...	1015·8	+1·2	1016·4	71·8	66·2	62·1	19·7	+2·6	73	—1	2·4	0·0	0	2	0	4	0	7	0	8
	1200	...	1011·5	...	1012·1	82·3	74·7	70·5	25·8	...	69	...	2·7	...	0	1	0	4	2	5	0	3

* Data rejected.

× The observations at 0000 hrs. were taken at a distant site by the P. H. O. Staff.

TABLE II—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURGIN THE MONTH OF FEBRUARY, 1953

Sub-Division and Station	Hours of Observation	Height of bar cistern above mean sea level	Mean pressure: Stn. level reduced to standard temp. and gravity	Mean pressure: Departure from normal	Mean pressure: Reduced to standard temp. & M.S.L. or nearest Gpkm level	Mean temperature of the air and humidity: Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Total Cloud amount: Mean amount	Total Cloud amount: Departure from normal	Wind direction, Number of observations from:— N	NE	E	SE	S	SW	W	NW	Calm
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	G.M.T.	Ft.	Mbs.	Mbs.	Mbs.	°F	°F	°F	Mbs.	Mbs.	%	%	Oktas	Oktas									
KASHMIR																							
Srinagar*	0000	5205																					
	0300																						
	1200																						
Gulmarg*	0000	8709																					
	0300																						
	1200																						
Dras*	0000	10059																					
	0300																						
	1200																						
Leh*	0000	11529																					
	0300																						
	1200																						
Skardu*	0300	7505																					
	1200																						
Gilgit*	0000	4890																					
	0300																						
	1200																						
Misgar	0000	10190	700·1	...	709·7	17·8	16·3	12·9	2·5	...	80	...	2·6	...	0	0	0	0	0	0	0	0	28
	0300		701·1	...	710·8	16·6	15·1	11·9	2·4	...	79	...	3·2	...	1	0	0	0	0	0	2	0	25
	1200		698·7	...	708·1	31·2	25·4	15·4	2·9	...	50	...	3·6	...	0	0	22	0	0	0	0	0	6
NORTH PUNJAB																							
Lahore	0000	702	999·1	...	1016·7	51·9	49·4	46·8	10·9	...	83	...	1·9	...	2	2	0	0	0	0	1	0	23
	0300		992·3	+1·6	1017·8	54·1	50·6	46·6	10·8	+1·1	77	+2	3·6	+0·5	4	4	0	0	0	0	1	2	17
	1200		990·3	...	1014·8	74·0	58·9	44·9	10·2	...	36	...	4·1	...	6	1	1	1	0	0	1	9	9
Sialkot	0000	830	986·4	...	1016·3	53·1	50·6	48·3	11·5	...	83	...	2·3	...	1	8	3	0	0	0	0	4	12
	0300		987·4	+1·2	1017·3	54·3	51·2	48·3	11·5	+0·9	80	—3	3·6	+1·0	1	2	1	2	0	0	0	11	11
	1200		985·5	...	1014·5	70·4	60·5	48·3	13·6	...	53	...	4·8	...	0	1	1	1	0	2	3	9	11
Jhelum	0000	765	989·1	...	1017·1	51·8	48·5	44·9	10·2	...	77	...	3·3	...	2	0	1	1	0	0	1	5	18
	0300		990·6	...	1018·5	53·2	49·3	45·0	10·3	...	74	...	4·3	...	1	0	2	2	0	0	1	11	11
	1200		988·3	...	1015·2	71·2	57·7	44·6	10·2	...	39	...	4·6	...	1	0	2	1	0	2	5	12	5
Rawalpindi	0000	1676	958·1	...	899·5	47·2	45·4	43·5	9·6	...	87	...	*	...	0	0	0	0	0	0	2	0	26
	0300		959·0	+1·8	900·8	49·9	47·2	44·0	10·0	+1·5	82	+4	3·5	+0·2	1	0	0	0	0	0	3	0	24
	1200		957·0	...	900·8	67·0	55·0	43·7	9·9	...	44	...	3·3	...	0	1	0	0	0	3	7	0	17
Khushab	0000	616	994·4	...	1016·9	50·8	47·1	42·9	9·4	...	74	...	2·9	...	5	7	2	0	2	2	3	6	1
	0300		995·8	+1·3	1018·3	52·9	48·7	43·7	9·9	+1·6	72	+7	3·4	+0·4	5	5	3	0	1	1	4	4	5
	1200		993·7	...	1015·2	74·0	58·9	45·0	10·2	...	36	...	4·0	...	7	5	4	2	1	2	0	6	1
Lyallpur	0000	605	994·5	...	1016·7	51·3	48·7	45·9	10·5	...	82	...	1·5	...	3	3	2	1	1	1	2	4	11
	0300		995·8	+1·9	1017·9	51·7	49·1	46·6	10·7	+1·4	83	+8	3·3	—0·5	0	2	3	4	3	2	4	2	8
	1200		994·1	...	1015·3	73·6	60·2	48·9	11·8	...	41	...	3·4	...	2	5	2	3	3	2	3	2	6
SOUTH PUNJAB																							
Montgomery	0000	558	995·9	...	1016·2	52·6	48·9	44·9	10·1	...	76	...	2·6	...	0	0	0	2	0	8	0	3	15
	0300		997·4	+1·4	1017·4	59·0	53·2	48·1	11·3	+1·3	65	—13	2·9	+0·5	1	0	0	6	3	7	0	0	11
	1200		995·2	...	1014·8	75·1	61·3	49·5	12·3	...	40	...	3·0	...	1	3	0	5	1	3	0	1	14
Multan	0300	413	1003·4	+2·1	1018·4	57·0	50·5	42·7	9·6	—1·1	60	—10	4·5	+2·0	7	1	0	1	1	1	1	5	11
	1200		1000·6	...	1015·0	77·1	58·8	40·1	8·7	...	27	...	4·5	...	8	3	2	1	4	1	0	2	7
Fort Abbas	0000	475	999·0	...	1016·3	52·5	49·2	44·5	10·5	...	76	...	1·3	...	10	4	2	1	0	1	1	3	6
	0300		1000·2	...	1017·3	59·7	51·6	43·6	9·5	...	55	...	1·6	...	1	5	6	6	2	2	0	5	1
	1200		997·3	...	1013·6	78·1	62·2	46·5	12·0	...	36	...	1·5	...	1	9	0	0	0	12	0	5	1
Bahawalpur	0300	384	1003·0	+1·3	1017·0	52·4	48·7	44·6	10·1	+0·6	75	+8	0·6	—2·0	3	10	2	2	0	0	0	0	11
	1200		1001·1	...	1014·4	78·5	61·8	48·0	11·3	...	34	...	2·1	...	4	5	0	0	1	0	0	0	18
Khanpur	0300	297	1007·3	+2·5	1018·2	56·6	50·8	44·8	10·0	+1·1	65	—1	2·6	+0·1	7	9	2	0	3	0	0	1	6
	1200	...	1004·8	...	1015·1	78·1	63·8	50·9	13·8	...	42	...	2·9	...	8	3	2	0	2	5	1	2	5

* Data not available.

TABLE II—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF FEBRUARY, 1953

Sub-Division and Station	Hours of Observation	Height of bar. cistern above mean sea level	Mean pressure: Stn. level reduced to standard temp. and gravity	Mean pressure: Departure from normal	Mean pressure: Reduced to standard temp. & M.S.L. or nearest Gpkm level	Mean temperature of the air and humidity: Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Total Cloud amount: Mean amount	Total Cloud amount: Departure from normal	Wind direction, Number of observations from:— N	NE	E	SE	S	SW	W	NW	Calm
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	GMT	Ft.	Mbs.	Mbs.	Mbs.	°F	°F	°F	Mbs.	Mbs.	%	%	Oktas.	Oktas.									
N.-W. F. P. (UPPER).																							
Chakdara	0000	2225	939·3	...	902·0	47·4	44·7	42·0	9·0	...	81	...	3·6	...	0	5	1	2	0	1	0	2	17
	0300	...	940·5	...	903·1	46·1	43·8	41·2	8·1	...	76	...	4·3	...	6	3	3	0	0	0	0	11	5
	1200	...	938·0	...	902·0	65·3	55·8	48·2	11·4	...	53	...	4·7	...	1	3	0	0	5	10	2	0	7
Peshawar	0000	1175	976·3	...	1018·9	50·4	46·8	42·2	9·3	...	74	...	3·7	...	1	0	0	3	6	12	0	2	4
	0300	...	977·4	+1·7	1020·0	51·7	47·4	42·1	9·2	+1·0	73	—3	4·7	—0·4	1	1	1	6	9	8	1	0	1
	1200	...	975·3	...	1016·4	67·8	55·7	42·9	9·7	...	44	...	4·9	...	3	2	0	4	6	1	0	4	8
Landi Kotal	0000	3503	897·0	...	904·4	45·4	41·5	36·1	7·3	...	71	...	4·1	...	0	2	0	0	0	0	0	6	20
	0300	...	898·0	...	905·4	45·9	41·6	36·0	7·3	...	69	...	5·2	...	0	2	0	1	0	3	0	4	18
	1200	...	896·9	...	904·0	58·5	48·2	35·7	7·4	...	44	...	5·1	...	1	1	0	1	0	5	10	9	1
N.-W.F.P. (LOWER)																							
Bannu	0000	1264	972·7	...	1018·2	53·2	48·5	43·1	9·5	...	69	...	3·6	...	1	0	0	0	0	2	11	9	5
	0300	...	973·7	...	1019·2	53·6	48·7	42·6	9·6	+1·5	68	+2	5·0	+2·5	3	0	0	2	0	2	17	3	1
	1200	...	972·0	...	1016·2	68·4	57·2	46·8	10·9	...	46	...	5·4	...	1	2	2	3	7	1	6	0	6
Miranshah (R)	0000	3026	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	0300	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...
	1200	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
D. I. Khan	0000	570	996·4	...	1017·2	53·4	49·7	45·4	10·5	...	75	...	2·9	...	4	0	0	0	0	1	7	2	14
	0300	...	996·3	+0·2	1017·2	53·0	49·1	45·1	10·4	+1·7	75	+4	3·6	+1·0	1	1	0	0	0	1	5	5	15
	1200	...	996·5	...	1016·5	74·2	60·2	48·2	11·5	...	48	...	4·1	...	4	3	1	3	0	0	0	3	14
BALUCHISTAN (North).																							
Fort Sandeman	0300	4614	862·4	+2·3	905·7	44·3	36·5	25·1	4·0	—1·8	41	—33	3·7	+1·0	0	0	0	1	1	0	0	0	28
	1200	...	861·3	...	903·3	60·2	42·5	24·7	2·3	...	13	...	3·6	...	2	1	4	0	1	3	0	0	17
Hindubagh	0000	5909	822·1	...	802·2	38·9	35·7	31·3	6·1	...	76	...	3·6	...	2	0	0	0	0	9	6	0	11
	0300	...	823·6	...	803·5	40·2	36·6	31·8	6·1	...	73	...	4·6	...	0	0	2	0	1	3	8	2	12
	1200	...	821·0	...	801·6	56·9	45·7	33·1	6·7	...	42	...	4·5	...	0	2	0	2	1	9	10	2	2
Loralai	0000	4699	858·3	...	904·6	41·5	39·4	36·7	7·5	...	83	...	2·9	...	0	0	0	0	1	1	9	0	17
	0300	...	860·3	...	906·0	41·5	39·4	36·3	7·5	...	83	...	4·2	...	0	0	0	0	1	3	9	0	15
	1200	...	858·3	...	902·7	61·2	55·1	49·9	12·3	...	67	...	4·7	...	0	0	0	0	15	3	2	0	8
Sibi	0000	441	1000·1	...	1016·3	54·5	48·5	42·7	8·9	...	62	...	2·1	...	1	0	0	0	0	0	0	0	27
	0300	...	1001·3	+1·9	1017·3	56·3	50·0	43·1	9·2	+1·6	60	+9	3·0	+0·5	0	3	0	0	0	0	0	0	25
	1200	...	998·6	...	1013·8	80·0	62·7	48·5	11·4	...	33	...	3·1	...	0	1	0	4	4	5	1	1	11 (9)
Quetta	0300	5490	834·8	+1·2	802·0	43·7	40·6	37·1	7·7	+2·2	78	+3	4·3	+1·1	1	0	0	2	10	5	0	0	10
	1200	...	832·7	...	800·8	56·7	46·2	35·1	7·0	...	44	...	5·2	...	5	4	0	0	8	5	2	4	0
Quetta (Samungli)	0000	5253	843·4	...	802·7	38·1	34·7	29·5	5·5	...	71	...	3·8	...	0	0	3	16	1	1	0	0	7
	0300	...	844·6	...	804·2	40·8	36·9	31·7	6·1	...	70	...	4·5	...	0	0	6	14	0	1	0	0	7
	1200	...	841·6	...	804·0	58·0	46·0	32·1	6·3	...	39	...	4·7	...	5	1	1	7	3	3	1	7	0
Chaman	0000	4311	870·1	...	902·7	51·0	44·3	40·5	7·4	...	58	...	1·7	...	0	1	12	9	1	1	0	1	3
	0300	...	871·4	+1·3	904·0	50·9	44·3	40·8	7·4	+1·3	58	—3	2·2	—0·9	0	1	9	11	2	3	0	1	1
	1200	...	869·1	...	901·5	62·1	50·6	38·2	7·9	...	41	...	3·1	...	1	5	1	3	1	5	6	5	1
Nushki	0000	3416	903·5	...	907·8	57·2	47·5	35·4	7·4	...	46	...	0·6	...	1	4	11	2	2	0	0	1	7
	0300	...	904·5	...	908·7	56·6	47·3	37·4	7·4	...	46	...	0·9	...	2	3	14	3	1	1	1	1	2
	1200	...	902·0	...	905·9	69·5	55·7	41·4	9·1	...	38	...	1·8	...	0	0	0	1	3	9	6	7	10
Kalat	0000	6616	801·2	...	802·7	37·8	34·5	29·1	5·5	...	71	...	3·0	...	0	0	0	0	22	0	0	0	6
	0300	...	802·1	+2·9	803·7	38·7	35·6	30·6	6·0	+1·2	76	+8	3·2	+0·4	0	0	0	2	15	0	0	0	11
	1200	...	801·0	...	802·5	56·8	43·7	27·4	5·2	...	33	...	2·5	...	1	0	0	0	17	2	0	8	0
Dalbandin	0000	2785	919·1	...	902·4	51·2	45·3	38·0	7·8	...	61	...	3·5	...	3	5	4	1	1	2	0	0	12
	0300	...	920·5	+1·3	903·7	49·5	44·4	38·0	8·0	+0·7	66	0	3·7	+1·1	1	7	0	2	1	0	2	1	14
	1200	...	918·4	...	902·4	71·9	56·0	40·7	8·9	...	33	...	4·7	...	0	4	2	5	4	9	2	1	1
Nokkundi	0000	2229	936·3	...	901·1	56·1	47·4	38·1	7·5	...	51	...	0·4	...	5	17	1	0	1	0	0	4	0
	0300	...	938·0	...	902·6	55·4	47·1	38·0	7·4	0·0	50	+1	3·2	+0·7	6	13	3	0	0	2	0	4	0
	1200	...	935·5	...	901·6	75·7	57·6	41·5	9·2	...	30	...	3·9	...	2	2	5	10	2	1	1	5	0

(B) Register not received. (2) mean for 27 days

TABLE II—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF FEBRUARY, 1953

Sub-Division and Station	Hours of Observation	Height of bar. cistern above mean sea level	Mean pressure			Mean temperature of the air and humidity							Total Cloud amount		Wind direction, Number of observations from:—								
			Stn. level reduced to standard temp. and gravity	Departure from normal	Reduced to standard temp. & M.S.L. or nearest Gpkm level	Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Mean amount	Departure from normal	N	NE	E	SE	S	SW	W	NW	Calm
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	GMT	Ft.	Mbs.	Mbs.	Mbs.	°F	°F	°F	Mbs.	Mbs.	%	%	Oktas.	Oktas.									
BALUCHISTAN (South)																							
Las Bela	0000	292	1005·4		1016·0	60·1	56·4	52·9	14·0		79		1·0		1	0	0	0	0	2	0	1	24
	0300		1006·7	+2·2	1017·3	61·3	57·1	53·2	14·1	+1·2	77	+5	2·4	+0·3	2	0	0	0	0	2	2	2	20
	1200		1003·5		1013·5	86·1	67·0	52·9	14·0	...	33	...	2·3		0	0	0	11	2	12	0	2	1
Ormara	0000	15	1014·1	...	1014·6	66·2	63·8	62·2	18·9	...	87	...	0·1	...	0	0	1	1	1	0	5	2	18
	0300	...	1015·7	...	1016·2	66·0	62·8	60·5	18·3	+2·1	84	+2	1·7	—1·1	1	0	6	3	0	1	4	1	12
	1200	...	1013·3	...	1013·8	77·2	71·3	67·9	23·2	...	73	...	2·1	...	0	0	1	4	3	4	15	1	0
Pasni	0000	10	1015·5	...	1015·8	62·6	60·4	58·4	16·9	...	89	...	3·9	...	1	3	4	0	0	1	5	11	3
	0300	...	1016·4	+0·9	1016·7	64·6	62·0	58·7	17·8	+3·2	86	+5	3·5	+1·2	3	3	7	0	0	0	6	7	2
	1200	...	1013·9	...	1014·2	76·0	67·5	61·2	19·1	...	62	...	3·3	...	1	0	2	5	4	13	1	2	0
Turbat	0000	510	998·8	...	1017·0	60·8	56·7	53·4	14·0	...	77	...	2·4	...	0	12	0	4	8	0	0	0	4
	0300	...	1090·1	...	1018·4	63.1	59·3	55·9	15·2	...	78	...	2·9	...	0	5	0	11	1	0	0	1	10
	1200	...	996·8	...	1014·3	81·6	66·3	53·2	15·1	...	41	...	3·6	...	1	3	0	4	2	3	7	7	1
Panjgur	0000	3177	907·2		903·5	53·0	47·6	41·2	9·0	...	65	...	3·6	...	1	3	0	1	1	13	2	6	1
	0300	...	908·1	+2·1	904·4	51·2	46·1	39·4	8·6	+0·8	67	—5	4·1	+2·0	2	11	5	3	1	1	0	2	3
	1200	...	905·8	...	901·9	70·5	56·2	42·4	9·7	...	38	...	4·6	...	1	1	0	1	0	19	2	4	0
SIND (Upper)																							
Rati (R)	0000	280																					
	0300	...																					
	1200	...																					
Jacobabad	0000	183	1009·1	...	1015·8	58·5	50·3	40·3	8·8	...	53	...	3·2	...	1	4	8	2	1	1	0	5	6
	0300	...	1010·6	+1·4	1017·4	58·4	50·3	40·1	8·9	—0·2	54	—5	3·7	+1·7	3	1	5	5	2	0	1	6	5
	1200	...	1007·8	...	1014·2	80·4	59·6	37·8	7·8	...	22	...	4·3	...	3	4	4	7	3	2	1	3	1
Sukkur																							
	0300	221	1008·9	+1·9	1017·0	57·4	51·7	45·4	10.7	+1·0	67	+9	4·8	+3·2	4	11	4	7	1	0	0	0	1
	1200	...	1006·5	...	1014·2	79·8	61·1	44·0	10·3	...	29	...	4·1	...	3	8	2	6	6	2	0	1	0
Pad Idan	0000	153	1009·7	...	1015·3	54·9	50·6	46·1	10·8	...	74	...	1·1	...	5	2	1	1	0	0	0	2	17
	0300	...	1011·7	...	1017·3	55·3	50·6	45·9	10·7	...	71	...	3·1	...	7	5	1	0	2	0	0	1	12
	1200	...	1008·8	...	1014·1	80·0	61·4	43·8	10·2	...	29	...	3·5	...	11	2	0	1	3	2	3	2	4
SIND (Lower)																							
Umarkot	0000	55	1012·5	...	1014·5	57·6	50·8	42·8	9·3	...	58	...	0·0	...	3	3	3	0	6	0	0	0	13
	0300	...	1014·0	...	1016·0	60·5	52·9	45·2	10·3	...	58	...	1·2	...	4	4	2	0	3	0	0	0	15
	1200	...	1011·0	...	1012·9	86·3	65·9	50·2	12·0	...	29	...	0·7	...	9	0	0	0	0	2	5	8	4
Chhor	0000	19	1013·7	...	1014·4	55·4	51·1	46·5	11·0	...	74	...	1·4	...	0	2	0	0	0	0	0	0	26
	0300	...	1015·5	...	1016·2	56·7	51·8	46·8	10·7	...	69	...	2·9	...	1	0	0	0	1	0	0	0	26
	1200	...	1012·2	...	1012·7	86·6	67·8	54·8	14·4	...	33	...	2·7	...	9	2	0	0	0	2	7	3	5
Hyderabad	0000	96	1011·3	...	1014·8	60·4	54·2	48·1	11·7	...	65	...	0·5	...	13	2	0	0	1	2	0	0	10
	0300	...	1012·8	+0·6	1016·3	59·7	53·8	48·6	11·3	+1·2	65	+6	1·0	—0·7	12	2	0	0	0	4	0	0	10
	1200	...	1010·2	...	1013·7	84·4	63·6	45·5	10·6	...	25	...	1·4	...	10	5	0	2	0	7	0	0	4
Karachi (Airport) ...	0000	73	1012·3	...	1014·9	61·8	56·3	50·9	13·0	...	69	...	1·0	...	9	1	1	0	0	0	2	1	14
	0300	...	1014·1	...	1016·7	61·6	55·2	48·0	11·8	...	63	...	2·9	...	9	2	1	0	0	0	1	1	14
	1200	...	1011·3	...	1013·8	82·3	63·8	47·7	11·5	...	31	...	2·1	...	1	2	3	2	2	13	5	0	0
Karachi (Manora) ...	0000	13	1014·4	...	1014·9	67·3	63·9	60·1	18·7	...	81	...	1·0	...	3	8	0	0	0	1	1	1	14
	0300	...	1016·0	+0·8	1016·5	67·0	62·8	59·4	17·7	+3·2	78	+8	3·0	+0·9	2	6	3	0	0	0	1	1	15
	1200	...	1013·3	...	1013·8	77·6	70·4	67·0	22·0	...	69	...	3·4	...	0	0	0	2	1	11	14	0	0
Badin	0000	31	1013·7	...	1014·8	61·2	58·7	56·6	15·7	...	85	...	0·0	...	1	0	0	0	0	6	0	0	21
	0300	...	1015·2	+1·6	1016·3	58·4	56·3	55·0	14·7	+2·3	88	+20	1·0	—0·9	1	0	0	0	0	3	0	3	21
	1200	...	1012·1	...	1013·1	85·2	79·2	76·3	31·1	...	75	...	0·4	...	5	0	0	0	0	5	0	3	15

(R) Register not received.

TABLE II—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF FEBRUARY, 1953

Sub-Division and Station	Hours of Observation	Height of bar. cistern above mean sea level	Mean pressure			Mean temperature of the air and humidity							Total Cloud amount		Wind direction, Number of observations from :—								
			Stn. level reduced to standard temp. and gravity	Departure from normal	Reduced to standard temp. & M.S.L. or nearest Gpkm level	Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Mean amount	Departure from normal	N	NE	E	SE	S	SW	W	NW	Calm
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	GMT	Ft.	Mbs.	Mbs.	Mbs.	°F	°F	°F	Mbs.	Mbs.	%	%	Oktas.	Oktas.									
HILL STATIONS excluding Kashmir and Baluchistan.																							
Murree	0300	7113	785·9	+2·5	802·1	42·1	35·4	22·8	4·6	—0·3	51	—10	4·4	+0·6	2	7	5	9	0	0	0	4	1
	1200	...	785·3	...	801·4	47·2	39·9	30·1	5·8	...	52	...	5·5	...	1	3	4	8	2	0	3	4	3
Cherat																							
	0300	4272	+	...	+	49·3	41·9	31·1	6·1	+0·7	50	—6	2·3	—1·2	16	9	1	1	1	0	0	0	0
	1200	...	+	...	+	55·0	45·5	33·5	6·6	...	44	...	3·2	...	21	2	1	1	0	0	0	3	0
Drosh	0000	4806	859·6	...	909·4	41·5	35·2	23·5	4·5	...	50	...	3·6	...	0	4	1	1	0	0	0	0	22
	0300	...	860·1	+3·7	910·0	40·6	36·3	28·4	5·6	+0·3	64	—7	5·0	+1·1	0	6	4	0	0	0	0	0	18
	1200	...	857·4	...	906·1	51·9	41·0	21·1	4·3	...	33	...	5·4	...	0	6	2	8	0	2	0	0	10
Parachinar	0000	5673	829·0	...	800·8	39·3	34·4	27·7	5·1	...	61	...	2·9	...	13	1	0	1	0	1	1	3	8
	0300	...	830·0	+3·3	801·8	40·2	35·9	29·6	5·4	+0·4	65	—3	4·4	+1·0	7	1	1	1	0	0	3	1	14
	1200	...	828·9	...	801·5	54·0	43·5	30·5	5·9	...	42	...	5·1	...	0	1	2	9	4	1	1	1	9
Wana	0300	4503	864·3	...	904·5	39·8	36·3	30·4	5·9	+0·3	71	—5	3·0	+0·2	0	0	0	2	0	0	0	0	26
	1200	...	863·3	...	901·8	58·5	49·2	38·7	8·2	...	49	...	3·4	...	0	3	0	3	1	2	0	0	19
AFGHANISTAN																							
Jalalabad	0300	1950	948·7	...	901·2	50·4	46·0	39·7	8·8	...	70	...	4·3	...	0	0	1	0	0	8	8	1	10
	1200	...	945·7	...	899·9	66·3	54·2	43·0	9·5	...	43	...	3·1	...	0	0	0	1	0	5	2	0	20
Kabul	0300	5955	824·9	...	805·8	32·4	30·4	26·3	5·0	+1·7	81	+9	5·8	+1·5	1	0	1	1	7	8	3	1	6
	1200	...	823·7	...	805·0	43·1	37·2	29·4	5·4	...	58	...	5·8	...	1	1	1	1	7	8	3	2	4
Kandahar	0300	3462	896·2	...	9½2·3	44·1	41·2	37·5	7·6	...	77	...	4·4	...	0	2	0	0	0	1	0	0	25
	1200	...	894·3	...	900·2	63·2	51·9	40·4	8·7	...	42	...	4·4	...	0	7	0	0	0	1	0	0	20
IRAN																							
Jask	0300	13	1015·4	...	1015·9	66·4	62·1	58·6	16·7	...	77	...	3·4	+1·0	3	8	11	0	0	1	0	4	1
	1200	...	1014·1	...	1014·6	75·7	67·8	62·9	19·4	...	64	...	3·1	...	0	0	5	4	2	5	11	1	0
ARABIA																							
Muscat	0300	20	1015·4	...	1015·9	70·2	66·4	61·3	20·0	...	82	...	1·5	—0·6	1	1	0	2	1	2	8	4	9
	1200	...	1013·6	...	1014·1	74·7	68·6	64·8	21·2	...	72	...	2·0	...	4	4	2	4	2	0	2	10	0
Kuwait *	0600	16	1018·6	...	1019·2	59·6	54·7	49·6	12·2	...	71	...	1·9	...	5	3	0	3	2	0	4	11	0
	1200	...	1015·8	...	1016·4	64·5	60·0	51·8	15·6	...	75	...	1·3	...	5	3	3	3	1	0	0	10	2

* Observations recorded at 0600 hrs. G.M.T. instead of 0300 hrs. G. M. T.

+ Data rejected.

TABLE III—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF FEBRUARY, 1953

Sub-Division and Station	Maximum temperature of the air °F				Minimum temperature of the air °F				Precipitation (Inches)						Wind velocity (Knots)		Weather Number of days				
	Mean	Departure from normal	Highest	Date	Mean	Departure from normal	Lowest	Date	Total of the month	Departure from normal	Heaviest fall in 24 hours	Date	Days with 0·10" or more	Departure from normal	Mean	Departure from normal	Thunder heard	Hail	Visibility Code figure 93 or less		
																			Fog	Haze dust	Dust-storm
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
EAST PAKISTAN (North)																					
Pabna	84·8	+1·8	94	20	58·9	+3·1	49	4	0·42	—0·54	0·17	7	2	+0·1	*	...	0	0	0	0	0
Rajshahi ...	...	...	...	...	...	...	...	...	0·00	—0·69	0·00	...	0	—1·7	...	...	0	0	0	0	0
Sirajganj	84·0	...	93	20	58·7	...	52	4	1·40	+0·66	1·20	28	2	+0·3	1·8	...	0	0	1	0	0
Bogra	83·3	+3·0	91	19, 20	58·7	+3·8	50	4	0·62	—0·17	0·50	28	1	—0·6	1·7	+0·6	1	0	0	0	0
Dinajpur ...	81·1	+1·8	89	20	59·5	+6·2	48	4, 5	0·25	—0·36	0·25	7	1	—0·3	1·7	0·0	0	0	2	0	0
Rangpur ...	...	...	...	...	...	...	...	...	0·96	+0·26	0·74	28	2	+0·7	...	...	...	...	...	...	...
EAST PAKISTAN (East)																					
Cox's Bazar ...	84·2	+2·1	92	23	59·6	+0·1	52	4	0·00	—0·47	0·00	...	0	—0·9	2·4	+0·4	0	0	2	0	0
Chittagong ...	84·9	+2·6	91	22, 23	60·2	+1·5	52	4	0·00	—1·10	0·00	...	0	—1·3	3·8	—0·6	0	0	1	0	0
Noakhali (Maijdee)	82·8	+1·7	90	23	61·3	—0·6	51	5	*	*	*	*	*	...	*	...	*	*	*	*	*
Comilla	*	...	*	*	60·0	+2·5	50	4, 5	0·00	—1·22	0·00	...	0	—1·9	2·0	+0·5	0	0	0	0	0
Narayanganj ...	85·3	+3·6	93	19	62·2	+3·2	52	4	0·00	—1·24	0·00	...	0	—1·9	1·9	+0·3	0	0	0	0	0
Brahmanbaria ...	84·8	+2·1	92	19	60·0	+4·5	51	4, 6	0·23	—0·80	0·23	26	1	—0·9	1·7	...	0	0	0	0	0
Srimangal ...	84·2	+1·5	91	19	52·1	+0·2	41	4	0·36	—1·14	0·36	26	1	—1·7	1·3	—0·7	1	0	0	0	0
Mymensingh ...	83·2	+3·6	90	4 days	60·2	+3·5	52	3	0·15	—0·71	0·15	28	1	—0·7	2·3	+1·3	0	0	2	0	0
EAST PAKISTAN (Deltaic)																					
Faridpur ...	84·0	+3·9	93	20	57·7	+1·5	47	4	0·27	—0·92	0·25	7	1	—1·1	*	...	1	0	0	0	0
Barisal	84·7	+2·8	92	19,20,21	63·2	+3·1	51	4	0·00	—0·94	0·00	...	0	—1·8	2·3	+0·9	1	0	3	0	0
Khulna	86·5	+3·5	95	20	*	...	*	*	0·00	—0·93	0·00	...	0	—2·2	2·0	—0·1	0	0	4	0	0
Jessore	86·2	+4·4	94	19,20,26	57·8	+2·3	46	4	0·32	—0·98	0·32	1	1	—1·0	2·4	+1·1	0	0	5	0	0
Satkhira ...	82·4	—2·1	91	25, 26	61·5	+3·2	49	4	0·29	—0·74	0·29	2	1	—0·8	1·7	+0·4	0	0	0	0	0
KASHMIR																					
Srinagar † ...																					
Gulmarg † ...																					
Dras †																					
Leh † ... —																					
Skardu † ...																					
Gilgit †																					
Misgar	35·6	...	57	28	14·8	...	0	1	0·39	...	0·20	11	2	...	2·3	...	0	0	0	0	0
Jammu † ...																					
Kargil † ...																					
Gurez † ...																					
NORTH PUNJAB																					
Lahore	76·6	+4·5	92	27	49·6	+5·1	41	2	0·12	—0·85	0·05	3	0	—2·1	2·3	+0·8	0	0	0	0	0
Sialkot	74·5	+5·1	90	28	49·6	+4·1	42	2	0·41	—1·26	0·24	11	2	—1·0	1·3	+0·1	1	0	0	0	0
Jhelum	73·7	...	93	28	48·4	...	38	1	0·76	...	0·35	11	3	...	2·4	...	1	0	0	0	0
Rawalpindi ...	70·6	+5·4	87	27	44·6	+2·9	35	1	1·80	—0·68	0·90	11	3	—1·4	2·0	+0·2	0	0	0	0	0
Khushab ...	76·1	+4·8	95	28	49·1	+3·1	41	5	0·35	—0·57	0·12	11	2	—0·1	2·7	0·0	0	0	0	0	0
Lyallpur	75·4	+4·1	93	27	48·8	+3·7	43	1, 2	0·05	—0·52	0·05	15	0	—1·6	1·9	+0·2	0	0	0	0	0
SOUTH PUNJAB																					
Montgomery ...	76·7	+4·2	93	28	52·1	+5·7	46	7	0·14	—0·36	0·07	3	0	—1·5	1·6	—0·8	0	0	0	0	0
Multan	78·4	+5·6	94	28	52·3	+5·5	45	6	0·03	—0·35	0·03	15	0	—1·3	2·2	+0·9	0	0	0	0	0
Fort Abbas ...	80·8	...	99	27	*	...	*	...	0·00	...	0·00	...	0	...	4·4	...	0	0	0	0	0
Bahawalpur ...	79·6	+4·0	96	28	50·7	+3·8	36	9	0·00	—0·36	0·00	...	0	—0·8	2·5	+0·3	0	0	0	0	0
Khanpur ...	81·1	+3·6	99	28	52·3	+5·6	44	1	0·00	—0·29	0·00	...	0	—0·9	4·4	+0·7	0	0	0	0	0
N.-W. F. P. (UPPER)																					
Chakdara ...	66·4	...	80	27, 28	42·7	...	36	5 days.	3·74	...	1·90	15	5	...	4·3	...	0	0	0	0	0
Peshawar ...	70·2	+4·0	86	28	47·6	+3·6	41	1	1·37	—0·16	0·61	11	4	+0·7	2·5	+0·9	0	0	0	0	0
Landikotal ...	59·1	...	77	28	*	...	*	...	1·63	...	0·53	11	4	...	2·4	...	0	0	6	0	0
N.-W. F. P. (LOWER).																					
Bannu	70·6	+2·0	87	28	30·4	+5·2	41	16	1·90	+0·32	0·45	11	5	+1·9	2·9	...	0	0	0	0	0
Miranshah (R) ...																					
D. I. Khan ...	*	...	*	...	49·8	+4·9	41	20	0·46	—0·21	0·15	15	2	+0·3	1·6	+0·4	0	0	1	0	0

* Data rejected. † Data not available. (R) Register not received.

TABLE III—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF FEBRUARY, 1953

Sub-Division and Station	Maximum temperature of the air °F				Minimum temperature of the air °F				Precipitation (inches)						Wind velocity (Knots)		Weather Number of days				
	Mean	Departure from Normal	Highest	Date	Mean	Departure from normal	Lowest	Date	Total of the month	Departure from normal	Heaviest fall in 24 hours	Date	Days with 0·10" or more	Departure from normal	Mean	Departure from normal	Thunder heard	Hail	Visibility Code figure 93 or less		
																			Fog	Haze (dust)	Dust-storm
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
BALUCHISTAN (NORTH)																					
Fort Sandeman ...	65·2	+5·9	84	26, 28	37·3	+1·9	28	10	1·65	+0·57	0·30	14	5	+1·7	2·7	+0·5	0	0	0	0	0
Hindubagh ...	59·6	...	78	28	35·0	...	26	1	1·84	...	0·63	10	7	...	3·5	...	0	0	0	0	0
Loralai	63·5	...	83	28	38·1	...	30	1	0·98	—0·09	0·60	10	2	—0·6	3·1	...	1	0	0	0	0
Harnai (R) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sibi	80·9	+5·2	100	28	51·5	+1·8	43	1, 3	0·11	—0·76	0·11	14	1	—0·7	0·8	—1·6	0	0	0	0	0
Quetta	59·3	...	80	26	36·6	...	29	16	2·33	...	0·94	10	7	...	5·9	+3·3	0	1	0	0	0
Quetta (Samungli)	60·6	...	80	26	34·1	...	25	6	1·73	...	0·59	10	5	...	6·9	...	0	0	0	0	0
Chaman	64·4 (d)	+7·1	82	26	47·1	+9·0	35	2, 15	2·08	+0·36	0·89	10	5	+0·6	5·1	+0·7	0	0	0	0	0
Nushki	70·1	...	86	26	51·4	...	38	17	1·14	...	0·56	15	3	...	9·2	...	0	0	0	1	3
Kalat	58·8	+6·0	77	26, 28	35·4	+4·2	25	16, 18	1·97	+0·58	1·05	10	3	—0·4	5·3	+0·9	0	0	0	0	0
Dalbandin ...	73·4	+5·9	90	26, 27	46·0	+6·4	36	16, 17	0·62	—0·34	0·35	15	3	+0·8	3·7	+0·2	2	0	0	1	1
Nokkundi ...	76·2	+3·5	92	26	50·2	+3·2	40	15, 16, 17	1·02	+0·62	0·55	13	3	+1·9	5·5	—0·2	0	0	0	0	0
BALUCHISTAN (South)																					
Las Bela... ...	88·2	+5·8	101	27	+	...	...	...	0·60	—0·28	0·60	5	1	—1·0	1·9	+0·1	0	0	1	0	0
Ormara	78·4	+2·6	84	26	63·4	+3·2	59	18	1·58	—0·61	1·04	13	3	—0·3	5·9	+0·4	0	0	0	0	0
Pasni	79·0	+2·1	87	26	60·7	+4·1	53	18	2·13	+0·72	1·12	15	2	0·0	7·6	+2·5	0	0	0	0	1
Turbat	84·4	...	99	25	59·6	...	51	17, 18	1·79	...	1·00	14	2	...	5·0	...	0	0	0	0	0
Panjgur	72·6	+4·6	88	28	40·7	—1·8	37	17, 18	0·61	—0·35	0·23	13	3	+1·1	4·1	—0·6	0	0	0	0	0
SIND (UPPER)																					
Reti (R)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Jacobabad ...	81·0	+3·9	99	27, 28	54·3	+3·8	47	1	0·06	—0·27	0·03	14	0	—0·9	3·9	+0·7	0	0	1	0	0
Sukkur	81·7	+3·0	100	27, 28	54·1	+2·1	48	17, 18	0·00	—0·28	0·00	...	0	—0·8	2·8	+0·2	0	0	0	0	0
Padidan... ...	81·6	...	100	28	51·0	...	42	1	0·00	...	0·00	...	0	...	3·1	...	0	0	0	0	0
SIND (LOWER)																					
Umarkot ...	88·5	...	103	27, 28	54·5	...	46	20	0·00	...	0·00	...	0	...	2·7	...	0	0	2	0	0
Chhor	87·6	...	101	31	51·8	...	43	19, 20	0·00	...	0·00	0	0	...	1·4	...	0	0	0	0	0
Hyderabad ...	85·6	+4·4	102	27	57·4	+2·9	51	19, 23	0·00	—0·24	0·00	...	0	—0·6	2·9	—0·6	0	0	0	0	0
KARACHI (Airport)	85·2	...	94	26	57·7	...	52	20, 21	0·00	...	0·00	...	0	...	3·9	...	0	0	1	0	0
Karachi (Manora)...	80·7	+3·8	85	3	64·6	+3·6	60	1	0·00	—0·44	0·00	...	0	—1·0	4·4	—1·5	0	0	1	0	0
Badin	90·8	+8·4	102	28	56·8	+2·3	51	8	0·00	—0·38	0·00	...	0	—0·9	1·8	...	0	0	0	3	0
HILL STATIONS excluding Kashmir and Baluchistan.																					
Murree	50·7	+4·0	69	26, 27, 28	38·3	+7·2	28	1	2·65	—1·66	1·41	15	5	—1·4	8·2	+2·9	0	0	3	0	0
Cherat	55·8	+3·9	74	28	46·1	+5·4	39	4, 5	2·80	—0·41	1·45	15	4	—0·7	+	...	0	0	0	0	0
Drosh	53·8	+4·8	72	27	38·4	+4·8	32	1	2·71	+1·16	1·20	15	8	+4·3	3·2	+0·7	0	0	0	0	0
Peshawar ...	57·7	+5·9	77	27	37·1	+5·8	30	5	2·92	+0·29	1·08	10	8	+2·6	2·6	+0·6	0	0	0	0	0
Wana	61·0	+2·9	82	25, 28	35·0	+2·5	21	2	0·26	—1·22	0·05	4, 10	0	—3·6	1·9	...	0	0	0	0	0
AFGHANISTAN																					
Jalalabad ...	67·6	...	85	28	45·2	...	34	1	0·82	...	0·24	10, 11	4	...	2·0	...	0	0	0	0	0
Kabul	44·6	+2·4	68	28	28·6	+4·6	11	1	2·43	+0·94	0·75	13	8	+4·6	5·3	+2·2	0	0	0	0	0
Kandahar ...	66·1	...	84	26	39·4	...	31	5	3·89	...	1·33	10	7	...	2·0	...	0	0	0	0	0
IRAN																					
Jask	76·9	+1·5	84	28	64·9	+3·1	56	19	3·07	+2·11	1·51	14	3	+1·2	10·2	+2·6	...	...	...	...	2
ARABIA																					
Muscat	77·2	+1·4	85	13	69·8	+3·2	62	18, 19	1·08	+0·37	0·59	14	2	+0·6	3·6	—0·1					
Kuwait *... ...	65·5	...	72	19	55·4	...	50	13	1·81	...	1·20	12	2	...	+	...	0	0	0	0	0

(+) Data not available. (R) Register not received. (d) Mean of 27 days.

* Observations recorded at 0600 hrs. G.M.T. instead of 0300 hrs. G.M.T.

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PAKISTAN WEATHER REVIEW, 1953

MONTHLY WEATHER REPORT

MARCH

Chief Features:

(1) Severe thunderstorms over East Pakistan during the second week with associated squalls of tornadic force.

(2) Local to fairly widespread rainfall over the northern parts of West Pakistan during the fourth week.

(3) Cold wave over north Baluchistan towards the end of the month.

West Pakistan:

During the first fortnight local light rain occurred on some of the days in the northern parts of West Pakistan, in association with the passage of three western disturbances across the region. A few duststorms were also reported from Baluchistan.

Thereafter, three more western disturbances moving across West Pakistan in quick succession caused local light rain over north Baluchistan, the North-West Frontier Province and the north Punjab in the first half of the third week.

Fairly widespread rain occurred in the upper North-West Frontier Province and local rain thundershowers in north Baluchistan, the lower North-Western Frontier Province and the north Punjab between the 23rd and the 28th due to the passage of a western disturbance and its secondary across the northern parts of West Pakistan. Scattered to local duststorm or dust raising winds also occurred elsewhere over West Pakistan between the 26th and the 28th. In the wake of the system, temperatures fell considerably over north Baluchistan. According to the press reports, fruit crops in Quetta district were destroyed due to severe cold.

Chief amounts of rainfall recorded during the month were:— Loralai 1″ on the 1st; Drosh 1″ each on the 11th and 24th; Murree 1″ on the 13th; and Peshawar 1″ on the 26th.

The mean rainfall during the month was in moderate defect over the upper North-West Frontier Province and in large defect over the north Punjab, north Baluchistan and the lower North-West Frontier Province. No rain fell elsewhere over the region. Averaged over the plains of West Pakistan the rainfall was in large defect.

The mean maximum and minimum temperatures were in excess over the region, except that minimum temperatures, were normal over south Baluchistan. The mean relative humidity was normal over the Punjab and lower Sind and in large defect elsewhere. Skies were more clouded than usual over upper Sind and the lower North-West Frontier Province; normally clouded over the South Punjab, the upper North-West Frontier Province and north Baluchistan and less clouded than usual elsewhere.

East Pakistan:

A low, while moving across East Pakistan, caused light to moderate rains and thundershowers there during the first four days. The eastward passage of four lows in rapid succession during the second week resulted in severe thunderstorms over the region. Press reports indicate that the squalls associated with the thunderstorms were, on many occasions, of tornadic force and were responsible for the crash of an Orient Airways Convair in Tripura hills on the 13th taking toll of the lives of all the persons aboard. Numerous other casualties were also reported due to house collapses. Weather remained dry in East Pakistan, thereafter except for light rain thunderstorms on the 22nd and between the 25th and the 26th due to the passage of two westerly low pressure waves across the region.

Some of the noteworthy amounts of rainfall recorded during the month were—Bogra 1-1/2″ on the 8th, Rangpur 2″ on the 9th; Mymensingh 1-1/2″ on the 10th and Brahmanbaria 3″ on the 11th.

The mean rainfall during the month was in large excess over the northern sub-division and normal elsewhere over the region.

The mean maximum temperatures were normal while the mean minimum temperatures were in excess. The mean relative. humidity was also in excess. Skies were more clouded than usual.

Table I contains the divisional and sub-divisional means of rainfall, temperature, humidity and cloud of 5 chief divisions and 12 sub-divisions of Pakistan. These means are based on the observations at the stations whose monthly means are given in the subsequent tables.

TABLE I.—DIVISIONAL AND SUB-DIVISIONAL MEANS FOR MARCH 1953

Sub-division	PRECIPITATION				DEPARTURE FROM NORMAL OF				
	Actual	Normal	Departure from normal	Percentage departure from normal	Maximum temperature	Minimum temperature	03 hrs. G.M.T.		
							Vapour pressure	Relative humidity	Cloud
1	2	3	4	5	6	7	8	9	10
	"	"	"		°	°	m.b.	%	
East Pakistan	2.62	1.90	+0.72	+38	+0.1	+5.4	+4.7	+10	+1.4
Mean of East Pakistan	2.62	1.90	+0.72	+38	+0.1	+5.4	+4.7	+10	+1.4
(1) Punjab	0.01	0.90	—0.89	—99	+8.2	+5.1	0.0	—5	—0.4
(2) N.-W.F.P.	0.50	1.66	—1.66	—70	+5.7	+4.9	—0.4	—9	+0.6
(3) Baluchistan	0.06	0.82	—0.76	—93	+6.6	+3.1	—0.6	—11	—0.4
(4) Sind	0.00	0.22	—0.22	—100	+7.1	+3.5	—0.3	—7	—0.1
Mean of West Pakistan excluding Baluchistan	0.09	0.79	—0.70	—89	+7.4	+4.5	—0.2	—6	—0.1
East Pakistan (North)	3.00	1.08	+1.92	+178	—0.2	+7.3	+6.7	+15	+2.3
East Pakistan (East)	2.72	2.50	+0.22	+9	0.0	+4.4	+3.7	+7	+1.6
East Pakistan (Deltaic)	2.01	1.91	+0.10	+5	+0.3	+5.7	+5.4	+12	+0.7
Kashmir (*)	..	..	..	..	..	..	..	..	..
North Punjab	0.02	1.27	—1.25	—98	+8.1	+5.3	+0.5	—5	—0.7
South Punjab	0.00	0.41	—0.41	—100	+8.4	+4.8	—0.6	—5	—0.1
N.-W.F.P. (Upper)	1.31	2.44	—1.13	—46	+5.1	—3.4	0.0	—10	+0.5
N.-W.F.P. (Lower)	0.09	1.27	—1.18	—93	+6.0	+5.7	—0.6	—9	+0.6
Baluchistan (North)	0.09	0.93	—0.84	—90	+6.5	+4.1	—1.0	—12	—0.4
Baluchistan (South)	0.00	0.59	—0.59	—100	+6.6	+1.2	0.0	—10	—0.4
Sind (Upper)	0.00	0.23	—0.23	—100	+7.0	+3.3	—2.5	—13	+0.5
Sind (Lower)	0.00	0.22	—0.22	—100	+7.1	+3.5	—0.3	—2	—0.5

* Data incomplete.

SUB-DIVISION AND STATION	Hours of observation.	Height of bar cistern above mean sea level.	Mean Pressure: Station level reduced to standard temperature and gravity.	Mean Pressure: Departure from normal.	Mean Pressure: Reduced to standard temperature and M.S.L. or nearest G/p.m. level.	MEAN TEMPERATURE OF THE AIR AND HUMIDITY: Dry bulb.	Wet bulb.	Dew point.	Vapour pressure.	Departure from normal.	Relative humidity.	Departure from normal.	Total Cloud Amount: Mean amount.	Departure from normal.	Wind Direction Number of Observations From: N	NE	E	SE	S	SW	W	NW	Calm.
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas										
EAST PAKISTAN (NORTH)																							
Pabna	0300					79.0	74.3	72.0	27.1	+6.3	80	+14											
Sirajganj	0000	49	1006.7		1008.4	71.9	70.8	69.9	25.5		95		5.2		0	0	1	6	11	0	0	1	12
	0300		1008.9		1010.6	77.6	73.2	70.6	26.2		80		4.9		0	1	4	7	12	2	1	0	4
	1200		1004.6		1006.3	83.9	75.3	70.5	26.3		66		1.8		1	1	2	5	4	0	0	0	18
Bogra	(X) 0000	65	1005.9		1008.2	71.8	69.9	68.7	24.1		90		4.5		0	0	1	1	1	0	0	0	28
	0300	63	1008.4	−1.2	1010.6	76.4	72.4	70.3	25.6	+6.9	81	+18	4.6	+2.6	0	0	9	11	3	7	0	1	0
	1200		1004.0		1006.1	84.9	74.8	67.8	25.1		61		1.7		0	3	12	2	3	2	3	0	6
Dinajpur	0000	123	1005.6		1009.9	68.7	66.6	65.4	21.7		90		2.3		1	14	1	2	0	0	0	0	13
	0300		1007.6	+0.3	1011.9	76.9	70.2	65.8	22.5	+6.6	71	+12	3.6	+1.9	3	6	13	0	0	0	0	0	9
	1200		1003.7		1007.9	84.5	72.6	65.5	22.3		54		1.1		0	4	2	0	0	0	0	0	25
EAST PAKISTAN (EAST)																							
Cox's Bazar	(X) 0000	10	1010.1		1010.5	70.9	70.1	69.7	24.6		95		2.5		0	1	23	6	0	0	0	0	1
	0300	38	1011.8	+0.4	1013.1	81.1	74.7	71.7	26.2	+1.5	72	−2	2.8	+0.6	1	0	2	8	10	2	1	0	7
	1200		1008.9		1010.2	80.8	74.9	72.0	26.9		74		1.8		0	0	0	5	16	4	3	1	2
Chittagong	0000																						
	0300	87	1009.1	−0.9	1012.1	79.9	76.5	70.7	29.6	+6.1	85	+12	4.2	+1.7	0	2	8	13	5	0	0	0	3
	1200		1005.6		1008.5	81.3	75.3	72.6	26.2		72		2.0		0	0	0	0	14	15	2	0	0
Majdi (Noakhali)	0000	22	1008.2		1009.1	73.7	71.5	70.4	25.9		90		(a) 3.3		0	1	0	9	1	0	0	0	19
	0300		1010.8	−1.0	1011.6	78.9	74.3	71.8	27.1	+1.3	80	+4	3.7	+1.1	0	0	0	13	1	2	0	0	(a) 15
	1200		1006.8		1007.6	83.3	75.7	71.5	26.7		69		2.4		0	0	0	23	3	2	0	0	3
Comilla	0000	29	1009.4		1010.3	72.3	71.1	70.7	25.5		95		4.6		0	0	1	6	10	0	0	0	14
	0300		1010.4	−1.0	1011.4	78.2	74.4	72.5	26.9	+2.2	82	+10	3.7	+0.8	0	0	0	14	9	1	0	0	7
	1200		1001.0		1008.0	84.4	77.5	73.9	28.5		71		3.1		0	0	0	17	8	0	0	0	6
Brahmanbaria	0000	32	1008.7		1009.8	72.3	70.9	70.1	24.8		93		3.1		1	2	3	8	9	2	0	0	6
	0300		1010.6		1011.7	79.2	74.1	71.6	26.4	+5.3	78	+11	3.9		3	1	3	0	19	2	0	0	3
	1200		1006.6		1007.7	82.9	75.4	71.6	26.7		69		2.0		0	1	0	2	13	0	0	0	15
Srimangal	0000	69	1007.9		1010.3	68.2	66.9	65.5	21.5		92		4.7		0	0	0	3	3	0	0	0	25
	0300		1009.4	−0.9	1011.8	75.5	71.5	69.3	24.1	+3.3	81	+7	4.9	+2.5	1	0	3	5	13	1	0	0	8
	1200		1005.4		1007.7	81.3	75.0	72.1	26.2		72		2.2		3	1	2	1	7	1	0	0	16
Narayanganj	0000	26	1009.2		1010.0	73.9	71.9	70.8	25.9		90		4.8		0	1	3	5	17	0	0	0	5
	0300		1010.7	−0.8	1011.6	79.3	74.1	71.5	26.4	+4.0	78	+7	5.7	+2.4	0	0	4	3	19	1	0	0	4
	1200		1006.2		1007.1	*	*	*	*		*		2.1		0	0	2	2	21	0	1	0	5
Mymensingh	0000	62	1007.9		1010.1	68.8	67.1	66.5	22.3		92		5.9		0	0	12	0	0	0	0	0	19
	0300		1009.7	−0.7	1011.9	76.7	72.8	70.9	25.9	+5.9	82	+11	5.9	+2.5	0	1	21	1	0	0	0	0	8
	1200		1005.0		1007.2	83.6	75.5	71.4	27.0		68		3.0		0	1	8	0	0	0	3	0	19

(x) Observations at 0000 hrs. were taken at a distant site by P.B.O. staff.

(a) Mean for 30 days.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTHS OF MARCH 1953

SUB-DIVISION AND STATION	Hours of observation	Height of bar cistern above mean sea level	Mean Pressure: Station level reduced to standard temperature and gravity	Mean Pressure: Departure from normal	Mean Pressure: Reduced to standard temperature and M.S.L. or nearest Cpm level.	Mean Temperature of the Air and Humidity: Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Total Cloud Amount: Mean	Departure from normal	Wind Directions Number of Observations From :— N	NE	E	SE	S	SW	W	NW	Calm
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
EAST PAKISTAN (DELTAIC)	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas										
Faridpur	0000		1005.8		1007.4	72.3	71.1	70.1	25.5		95		4.3		0	0	2	9	8	1	0	0	11
	0300	46	1006.1	—4.2	1007.7	79.1	74.8	72.3	27.1	+5.1	80	+14	3.5	+1.3	0	0	2	7	13	3	0	0	6
	1200		1004.4		1006.0	87.9	77.4	71.8	27.4		60		2.3		1	0	1	5	9	3	1	0	11
Barisal	0000		1008.7		1009.1	74.0	72.7	72.0	26.6		93		3.4		0	0	0	4	10	0	0	0	17
	0300	11	1011.0	—0.9	1011.4	81.3	75.8	73.3	27.7	+2.6	76	0	4.0	+1.2	0	0	0	3	19	5	0	0	4
	1200		1007.0		1007.4	84.5	75.4	70.9	26.6		65		2.2		0	1	0	0	22	5	0	1	2
Khulna	0000		1008.4		1008.9	74.1	72.6	71.8	26.6		93		3.3		0	0	2	7	3	2	0	0	17
	0300	16	1010.7	—1.1	1011.3	79.7	75.8	74.6	28.8	+6.1	83	+17	1.1	—1.8	0	1	1	7	8	10	0	0	4
	1200		1003.8		1004.4	84.9	76.4	72.1	27.3		66		0.9		0	0	0	13	2	12	0	0	4
Jessore	0000		1007.4		1008.3	73.4	72.1	71.3	25.7		93		3.4		0	0	3	3	18	0	0	0	7
	0300	26	1009.6	—1.7	1010.5	79.3	76.3	73.9	29.3	+7.1	87	+18	2.8	+0.3	0	0	3	1	20	5	1	0	1
	1200		1005.9		1006.8	86.6	74.9	68.9	24.9		57		1.6		0	0	2	1	22	1	0	0	5
Satkhira...	0000		1008.5		1009.1	75.2	73.4	72.4	26.8		90		3.6		0	0	0	4	3	8	0	1	19
	0300	16	1009.8	—1.6	1010.3	80.9	76.6	74.2	29.1	+6.2	80	+12	4.6	+2.7	0	1	0	7	4	17	0	2	0
	1200		1005.6		1006.1	87.9	80.3	76.5	32.1		71		1.9		0	0	0	10	4	12	0	0	5
KASHMIR																							
Srinagar (X)	0000	5205																					
	0300																						
	1200																						
Gulmarg (X)	0000	8709																					
	0300																						
	1200																						
Dras (X)	0000	10059																					
	0300																						
	1200																						
Leh (X)	0000	11529																					
	0300																						
	1200																						
Skardu (X)	0000	7505																					
	0300																						
	1200																						
Gilgit (X)	0000	4890																					
	0300																						
	1200																						
Misgar	0000	10190	694.7		704.0	30.1	28.4	25.8	4.7		84		5.5		0	0	0	0	0	0	10	0	21
	0300		695.2	—	704.5	30.3	28.8	26.1	4.9	—	86	—	5.9	—	0	0	4	0	0	0	7	0	20
	1200		693.8		702.9	39.4	31.1	16.8	3.5		41		6.1		0	0	24	0	0	0	7	0	0

(*) Data not available

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF MARCH 1953

SUB-DIVISION AND STATION	Hours of observation	Height of bar cistern above mean sea level	Mean Pressure: Station level reduced to standard temperature and gravity	Mean Pressure: Departure from normal	Mean Pressure: Reduced to standard temperature and M.S.L. or nearest Gpm. level.	Mean Temperature of the Air and Humidity: Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Total Cloud Amount: Mean amount	Departure from normal	Wnd Directions Number of Observations From :— N	NE	E	SE	S	SW	W	NW	Calm.
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
KASHMIR—contd.																							
Jammu (X)	0000	1200																					
	0300																						
	1200																						
Kargil (X)	0000	8790																					
	0300																						
	1200																						
NORTH PUNJAB																							
Lahore	0000	702	983.3		1008.2	62.7	55.4	48.8	11.8		55		1.2		0	2	1	4	1	0	0	1	22
	0300		984.8	—2.7	1009.5	67.6	58.0	49.2	12.2	+0.7	53	—6	2.5	—0.2	2	4	0	5	1	1	1	5	12
	1200		982.6		1006.4	87.5	64.8	45.2	10.8		24		3.0		2	4	0	4	1	2	6	7	5
Sialkot	0000	830	978.7		1007.8	65.1	56.9	49.0	12.2		58		2.8		0	10	3	0	0	0	1	0	17
	0300		980.8	—2.3	1009.4	67.8	58.6	50.2	12.7	+0.2	56	—11	3.0	+0.8	3	5	1	2	0	0	1	1	18
	1200		978.1		1006.3	83.8	66.3	54.2	14.2		36		3.4		1	4	1	2	1	3	4	4	11
Jhelum	0000	765	981.6		1008.9	61.9	54.4	46.4	11.1		60		3.4		0	2	0	3	0	1	0	11	14
	0300		983.2	—	1010.3	65.2	55.8	45.7	11.0	—	52	—	4.0	—	1	1	1	1	0	3	1	12	11
	1200		980.8		1006.7	84.5	62.9	42.7	9.9		25		4.1		2	1	2	5	1	4	3	6	7
Rawalpindi	0000	1676	951.7		894.9	58.4	52.7	47.4	11.3		67		X		1	1	0	1	0	0	0	1	27
	0300		953.2	—1.6	896.9	63.4	54.8	46.8	11.2	+0.5	56	—3	2.9	—0.1	1	0	0	1	0	1	3	2	23
	1200		951.9		897.4	79.4	59.9	42.8	9.7		28		3.2		0	2	1	1	1	2	6	2	16
Khushab	0000	616	986.5		1008.4	62.4	54.6	46.2	11.1		57		0.9		4	8	8	3	1	1	3	2	1
	0300		988.2	—3.0	1010.0	66.5	56.9	47.1	11.5	+0.8	52	—4	1.9	—0.9	5	11	4	1	2	2	1	1	4
	1200		985.4		1006.2	87.2	64.8	44.3	10.9		24		2.4		3	2	5	4	1	4	1	6	5
Lyallpur	0000	605	986.8		1008.0	61.8	55.5	49.3	12.2		64		1.3		5	4	5	3	2	1	2	3	6
	0300		988.2	—2.7	1009.6	64.6	56.1	47.0	11.6	—0.1	56	—7	1.6	—1.5	2	8	6	5	3	1	1	1	4
	1200		986.0		1006.5	88.5	64.7	46.3	10.1		22		1.8		2	3	2	4	6	4	2	3	5
SOUTH PUNJAB																							
Montgomery	0000	558	987.9		1007.7	62.7	56.9	52.0	13.2		67		1.6		0	0	0	1	0	3	1	5	21
	0300		989.2	—3.3	1008.8	69.9	61.0	53.5	14.8	+2.2	57	—10	2.5	+0.4	0	0	0	7	3	5	3	3	10
	1200		987.3		1006.1	88.2	68.3	54.4	14.7		32		2.4		0	3	1	9	4	2	0	0	12
Multan	0300	413	995.6	—2.3	1010.1	68.0	55.7	42.3	9.7	—3.6	41	—21	2.8	+0.6	14	1	0	0	0	3	1	2	10
	1200		993.1		1007.0	90.4	64.3	39.8	8.9		18		2.4		3	0	3	2	6	5	0	3	9
Fort Abbas	0000	475	991.0		1007.6	63.6	54.3	44.3	10.2		51		0.8		2	3	2	3	4	5	0	5	7
	0300		992.9	—	1009.4	72.7	57.8	43.3	9.9	—	35	—	0.9	—	1	5	1	4	3	10	0	5	2
	1200		989.4		1005.4	91.9	66.0	44.7	10.1		19		0.8		1	1	0	0	0	28	0	1	0

(X) Data not available.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF MARCH 1953

SUB-DIVISION AND STATION	Hours of observation	Height of bar cistern above mean sea level	Mean Pressure: Station level reduced to standard temperature and gravity.	Mean Pressure: Departure from normal	Mean Pressure: Reduced to standard temperature and M.S.L. or nearest Gpm level.	Mean Temperature of the Air and Humidity: Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Total Cloud Amount: Mean amount	Departure from normal	Wind Directions Number of Observations From:— N	NE	E	SE	S	SW	W	NW	Calm
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
SOUTH PUNJAB—contd.																							
Bahawalpur	0300	384	996.8	—2.1	1010.3	62.6	55.3	48.3	11.7	—0.5	60	—1	0.5	—1.4	1	7	1	1	0	4	0	5	12
	1200		993.4		1006.4	91.9	68.0	50.3	12.6		24		1.2		2	0	0	0	1	3	2	0	23
Khanpur	0300	297	999.1	—3.0	1009.7	68.8	59.5	51.3	13.2	+2.5	54	—1	1.1	—1.0	6	2	1	0	2	7	2	0	11
	1200		996.2		1006.3	92.6	72.0	58.2	17.5		34		2.0		4	2	1	0	3	5	6	2	8
N.-W.F.P. (Upper)																							
Chakdara	0000	2225	933.0		896.6	56.3	51.0	45.8	10.6		68		4.0		0	4	1	1	0	1	0	13	10
	0300		934.5	—	898.2	56.6	51.3	46.3	10.8	—	69	—	4.5	—	6	4	1	1	0	1	0	13	5
	1200		932.1		897.1	74.2	60.3	50.1	12.2		42		4.1		1	1	1	7	0	12	0	2	7
Peshawar	0000	1175	969.1		1010.3	58.2	51.2	42.4	9.7		58		3.6		0	2	0	5	10	11	0	0	1
	0300		970.5	—2.5	1011.9	61.5	54.0	45.6	10.9	—0.0	59	—10	4.7	+0.5	1	1	2	4	10	6	1	0	6
	1200		968.2		1008.3	77.4	60.0	41.3	9.9		30		4.2		8	7	2	3	1	2	0	3	5
Landikotal	0000	3503	891.9		899.0	53.6	46.9	38.0	8.3		59		3.5		0	1	0	0	0	0	0	6	3
	0300		893.7	—	900.8	55.3	47.8	36.8	8.3	—	55	—	4.0	—	6	2	1	2	0	0	0	6	11
	1200		891.7		898.6	69.4	54.8	38.1	8.8		36		3.9		2	3	0	3	1	2	7	7	5
N.-W.F.P. (Lower)																							
Bannu	0000	1264	964.9		1009.1	63.1	52.6	40.5	8.9		44		1.7		0	1	1	1	0	1	15	12	4
	0300		966.4	—	1010.6	64.6	54.6	42.7	10.0	+0.2	49	—6	3.9	+1.5	2	0	2	0	0	1	8	15	4
	1200		964.1		1006.8	81.3	62.4	43.8	10.7		29		3.2		0	1	6	11	7	2	2	0	1
Miranshah (R)	0000	3026																					
	0300																						
	1200																						
D. I. Khan	0000	570	988.2		1008.3	64.3	55.3	46.0	10.9		53		1.0		7	5	1	0	0	0	1	5	10
	0300		990.0	—2.8	1010.1	64.2	55.0	45.7	10.7	—1.4	52	—11	2.3	—0.3	2	8	0	0	0	0	0	8	6
	1200		988.2		1007.5	88.2	68.0	53.6	14.3		31		2.5		1	8	4	6	1	2	1	3	4
HILL STATIONS (excluding Kashmir & Baluchistan)																							
Murree	0000	7113	+																				
	0300		783.4	—0.5	799.4	51.0	40.9	26.7	5.1	—0.5	41	—12	4.8	+1.2	0	5	7	9	0	3	0	6	
	1200		782.9		798.7	55.7	44.8	31.7	6.3		42		5.1		0	1	6	9	1	6	3	5	
Cherat	0000	4272	+																				
	0300		867.8	—2.2	899.4	57.0	46.2	31.7	6.4	—0.6	39	—17	2.3	—0.8	26	1	0	3	0	0	0	1	
	1200		867.3		898.2	66.6	51.1	34.2	6.6		30		2.5		22	1	0	3	2	1	0	2	
Drosh	0000	4806	855.5		904.5	47.5	41.9	34.1	6.8		61		4.3		0	0	0	1	1	0	0	0	
	0300		855.3	0.0	904.3	46.8	42.0	35.1	5.7	—0.6	52	—15	5.0	+1.2	0	7	0	2	0	0	0	0	
	1200		852.9		900.7	57.6	46.1	29.6	6.0		39		6.0		1	6	2	4	2	5	1	0	

(R) Register not received.

(†) Closed during winter months for one hour.

SUB-DIVISION AND STATION	Hours of observation.	Height of bar cistern above mean sea level.	Mean Pressure: Station level reduced to standard temperature and gravity.	Mean Pressure: Departure from normal.	Mean Pressure: Reduced to standard temperature and M.S.L. or nearest Gpm. level.	Mean Temperature of the Air and Humidity: Dry bulb.	Wet bulb.	Dew point.	Vapour pressure.	Departure from normal.	Relative humidity.	Departure from normal.	Total Cloud Amount: Mean amount.	Departure from normal.	Wind Direction Number of Observations From :— N	NE	E	SE	S	SW	W	NW	Clm.
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
HILL STATION including Kashmir and Baluchistan)—contd.	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas										
Paraclinar	0000	5673	824.8		797.2	46.1	39.2	29.9	5.7		53		3.3		13	6	0	0	0	0	1	7	4
	0300		825.3	—1.2	797.9	48.4	40.8	30.2	6.0	+1.0	52	—8	2.9	—0.4	4	4	0	0	0	0	1	3	19
	1200		824.1		797.3	61.6	46.3	26.6	5.3		28		4.7		2	1	1	9	3	4	2	1	8
Wana	0300	4503	862.5	—	901.5	52.0	46.8	41.3	8.8	+2.1	67	0	1.6	—1.0	0	0	0	3	0	5	1	0	22
	1200		860.1		897.5	71.4	58.1	46.5	11.1		42		2.6		2	5	0	8	0	9	2	1	4
AFGHANISTAN																							
Jalalabad	0300	1950	941.7	—	895.6	60.7	51.8	41.4	9.5	—	53		3.5	—	1	2	1	0	0	4	8	1	14
	1200		938.4		893.9	75.4	60.0	46.8	11.5		38		3.4		0	2	7	2	1	2	3	1	13
Kabul	0300	5955	820.7	—	802.0	43.0	37.8	30.2	5.9	+1.2	64	—2	4.5	+1.0	2	2	0	1	5	7	7	5	2
	1200		819.0		800.9	56.4	44.3	28.9	5.6		37		4.8		9	6	1	0	2	3	4	6	0
Kandhar	0300	3462	893.6	—	899.6	50.7	44.3	35.5	7.4	—	58	—	2.6	—	0	3	0	0	0	2	0	1	25
	1200		891.0		896.6	71.4	53.7	34.0	7.0		26		3.1		0	2	0	0	0	12	0	1	16
BALUCHISTAN (NORTH)																							
Fort Sandeman	0300	4614	859.6	0.0	901.7	56.1	43.7	24.0	4.6	—1.9	30	—37	2.2	—0.1	0	0	2	0	3	1	1	0	24
	1200	—	858.0		893.9	73.5	50.3	17.0	3.1		11		3.4		4	0	0	1	4	7	6	2	7
Hindubagh (F)	0000	5909	819.7		800.1	49.1	41.1	31.5	5.9		50		1.8		0	0	0	1	1	11	9	3	0
	0300		821.1		801.7	54.1	44.7	34.3	6.6		47		2.0		0	0	0	0	1	11	4	4	5
	1200		818.8		799.9	67.2	50.0	30.7	6.1		28		3.7		0	0	2	1	0	7	13	2	0
Loralai	0000	4699	854.6		900.0	49.3	43.3	36.0	7.0		59		1.2		0	0	0	0	0	1	25	0	5
	0300		856.9		901.7	53.6	46.6	38.5	8.0		58		1.8		0	0	0	0	2	3	14	0	12
	1200		854.7		897.8	72.6	58.8	44.9	11.1		42		3.6		0	0	0	0	10	12	6	1	2
Sibi	0000	441	992.6		1008.1	69.6	54.3	35.2	7.6		30		1.5		0	1	0	0	0	2	0	5	23
	0300		994.2	—1.2	1009.7	70.6	54.8	36.1	7.6	—0.6	29	—10	2.0	+0.2	0	1	0	1	0	1	1	6	21
	1200		991.5		1006.2	92.1	64.4	39.7	8.3		16		2.6		0	1	0	4	1	3	1	9	12
Quetta	0300	5490	832.7	—1.0	800.6	52.9	47.2	40.7	9.2	+2.7	67	0	1.8	—0.9	1	0	0	0	6	2	0	1	21
	1200		830.3		799.3	66.6	50.5	33.3	6.8		31		3.3		4	0	0	0	4	7	6	10	0
Quetta (Samungli)	0000	5253	841.0		801.1	43.6	38.5	31.6	6.3		65		1.6		1	1	3	8	3	3	0	5	7
	0300		842.2		802.4	47.7	40.9	33.1	6.3		55		2.6		2	0	3	5	0	4	6	1	10
	1200		840.4		802.1	67.6	52.3	37.9	7.9		35		3.8		0	0	0	5	2	0	8	7	1
Chaman	0000	4311	868.1		901.0	54.8	45.0	32.1	6.2		42		1.4		0	2	10	10	5	1	1	0	2
	0300		869.3	—0.1	902.1	57.4	46.0	31.3	5.8	—0.9	36	—18	2.0	—1.0	0	0	9	10	6	3	1	0	2
	1200		867.0		898.6	71.3	52.9	31.8	6.1		23		2.9		0	1	0	0	3	7	18	2	0
Nushki	0000	3416	902.1		906.3	61.8	50.2	36.7	7.9		41		0.0		4	10	6	0	3	0	0	2	6
	0300		903.0		907.1	61.3	49.3	34.8	7.0		40		0.0		2	15	13	3	3	0	1	3	1
	1200		900.2		903.7	78.5	57.9	35.3	9.0		26		0.1		1	1	0	2	4	7	6	10	0

(F) Mean for 25 days.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF MARCH 1953

SUB-DIVISION AND STATION	Hours of observation.	Height of bar cistern above mean sea level.	Mean Pressure: Station level reduced to standard temperature and gravity.	Mean Pressure: Departure from normal.	Mean Pressure: Reduced to standard temperature and M.S.L. or nearest Gpm. level.	Mean Temperature of the Air and Humidity: Dry bulb.	Wet bulb.	Dew point.	Vapour pressure.	Departure from normal.	Relative humidity.	Departure from normal.	Total Cloud Amount: Mean amount.	Departure from normal.	Wind Direction Number of Observations From :— N	NE	E	SE	S	SW	W	NW	Calm
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
BALUCHISTAN—(NORTH)—contd.	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas										
Kalat	0000	6616	798.4		800.0	42.3	36.5	28.7	5.1		56		0.8		0	1	0	1	13	5	1	0	10
	0300		799.7	0.0	801.3	44.3	37.4	27.9	5.0	—0.9	51	—8	1.2	—1.0	0	0	0	1	2	1	0	3	5
	1200		797.8		799.4	62.3	46.2	25.1	4.9		26		2.4		0	0	0	0	7	5	4	14	1
Dabbandin	0000	2785	916.7		900.1	57.1	45.4	28.9	5.8		36		2.0		0	9	3	1	0	5	3	2	8
	0300		918.4	+0.2	901.8	56.0	45.1	28.8	5.8	—2.2	37	—16	2.3	—0.0	2	10	1	2	0	1	2	3	10
	1200		915.6		899.9	80.3	56.4	28.0	5.7		16		2.0		0	3	2	6	1	12	1	3	3
Nokkundi	0000	2229	933.9		899.2	61.5	47.6	28.2	5.6		30		4.3		9	9	1	1	0	1	2	8	0
	0300		935.9		901.1	62.2	47.9	28.2	5.4	—3.0	28	—18	2.9	—0.0	11	10	1	0	2	0	1	6	0
	1200		933.1		899.8	83.8	58.5	31.6	6.5		16		3.1		5	1	1	5	4	5	3	7	0
BALUCHISTAN (South)																							
Lasbela	0000	292	1000.0		1010.4	67.6	61.3	54.6	15.7		67		0.5		0	2	0	1	0	2	0	3	23
	0300		1001.9	—0.6	1012.1	72.1	63.0	53.8	15.6	—0.3	58	—11	1.4	—0.4	4	3	1	1	0	5	0	4	13
	1200		997.7		1007.5	93.0	71.3	49.3	16.6		31		0.8		0	0	0	10	0	15	0	4	2
Ormara	0000	15	1008.8		1009.3	73.9	67.7	63.1	20.7		72		0.3		0	2	2	0	0	0	16	2	9
	0300		1010.8		1011.3	72.6	67.2	62.8	20.5	+1.0	74	—9	0.6	—1.6	0	0	4	0	0	0	13	1	
	1200		1008.3		1008.8	85.2	69.5	57.7	17.6		43		0.5		1	0	1	1	1	1	25	1	0
Pasni	0000	10	1010.6		1010.9	66.5	61.2	55.7	15.6		71		1.1		2	0	1	0	0	1	12	13	2
	0300		1011.8	—0.8	1012.1	70.3	63.6	57.2	17.1	—0.4	68	—11	0.9	—0.5	2	2	0	1	1	0	7	12	6
	1200		1009.2		1009.5	84.3	69.3	57.4	17.4		44		1.0		2	0	0	3	3	17	4	2	0
Turbat	0000	510	994.1		1012.2	67.3	58.7	50.2	14.0		60		1.0		0	14	0	14	1	0	0	0	2
	0300		995.5		1013.6	71.7	63.4	55.6	16.8		57		1.2		0	6	0	12	0	0	0	4	9
	1200		992.8		1009.4	91.7	74.4	62.6	21.2		41		0.8		1	2	0	0	1	5	10	12	0
Panjgur	0000	3177	905.0		901.4	58.2	50.2	41.0	9.1		55		1.3		5	6	0	1	0	15	2	2	0
	0300		905.9	+0.8	902.3	56.5	48.4	38.6	8.4	—0.3	54	—9	2.3	+0.8	2	17	2	2	0	4	0	3	1
	1200		903.3		899.8	79.7	58.6	38.2	8.6		24		2.1		2	1	0	0	0	16	0	12	0
SIND (Upper)																							
Reti (R)	0000	280																					
	0300																						
	1200																						
Jacobabad	0000	183	1001.2		1007.8	67.4	53.6	35.9	7.5		33		1.1		2	3	8	4	2	2	1	16	3
	0300		1003.4	—2.0	1010.0	69.4	54.5	35.6	7.8	—4.7	31	—24	1.7	—0.1	5	1	6	3	3	2	3	4	4
	1200		1000.3		1006.5	94.0	64.0	31.9 (a)	6.9		12		2.4		2	2	1	7	5	3	4	6	1
Sukkur	0300	221	1001.9	—2.3	1009.7	66.6	56.6	46.5	11.6	—0.3	50	—3	2.3	+1.0	3	5	1	10	3	4	1	1	3
	1200		999.8		1007.3	92.5	65.9	42.6	11.1		19		2.2		6	8	0	7	5	3	0	2	0
Padidan	0000	153	1002.5		1007.9	65.7	58.1	45.6	14.0		69		0.3		2	0	0	2	1	2	0	0	24
	0300		1004.7		1010.0	68.1	57.4	46.8	11.2		49		1.7		0	3	0	1	5	0	0	0	22
	1200		1001.8		1006.9	94.7	67.6	44.4	11.0		19		1.8		0	4	0	1	3	4	3	1	15

(a) Mean of 30 days.

(R) Register not received.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF MARCH 1953

SUB-DIVISION AND STATION	Hours of observation.	Height of bar cistern above mean sea level.	Mean Pressure: Station level reduced to standard temperature and gravity.	Mean Pressure: Departure from normal.	Mean Pressure: Reduced to standard temperature and M.S.L. or nearest 0pm level.	Mean Temperature of the Air and Humidity: Dry bulb.	Wet bulb.	Dew point.	Vapour pressure.	Departure from normal.	Relative humidity.	Departure from normal.	Total Cloud Amount: Mean amount.	Departure from normal.	Wind Direction Number of Observations From: N	NE	E	SE	S	SW	W	NW	Calm.
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
SIND—(Lower).	G.M.T.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%		oktas										
Umarkot	0000	55	1006.7		1008.5	66.9	62.5	59.1	17.4		77		0.0		2	1	0	0	14	4	2	0	8
	0300		1008.4		1010.2	72.1	65.8	61.2	18.7		69		1.3		0	3	0	1	9	11	1	0	6
	1200		1005.1		1006.9	97.4	72.1	56.2	15.4		25		0.8		2	0	0	0	1	9	14	2	3
Chhor	0000	19	1007.8		1008.5	64.5	60.3	56.3	16.2		78		0.7		0	0	0	0	3	6	1	0	21
	0300		1009.7		1010.4	69.0	63·8	59.3	17.9		75		2·2		0	1	0	0	2	13	1	1	13
	1200		1006.2		1006.9	96.8	74.9	61.5	19.5		33		1.5		3	1	0	0	0	11	10	2	4
Hyderabad	0000	96	1004.9		1008.3	69.0	62.4	56.0	16.4		67		0.3		3	0	0	0	1	15	1	0	11
	0300		1007.0	—1.7	1010.4	80.0	62.6	55.0	11.4	—1.6	33	—22	0.3	—1.1	5	0	0	1	8	16	1	0	8
	1200		1004.2		1007.4	97.0	68.7	46.0 (a)	11.2		19		0.9		3	4	1	0	0	16	3	0	4
Karachi (Airport)	0000	73	1006.8		1009.4	70.2	64.3	56.1	17.7		70		0.7		3	0	0	0	0	4	8	2	14
	0300		1008.7		1011.4	71.2	64.2	54.3	17.2		66		1.8		3	0	0	0	0	3	4	2	19
	1200		1006.2		1008.7	86.9	67.9	48.5	14.8		34		0.9		0	1	1	0	4	17	8	0	0
Karachi (Manora)	0000	13	1008.7		1009.2	74.1	69.6	66.3	22.6		75		0.8		2	1	0	0	0	2	9	4	13
	0300		1010.6	—1.6	1011.1	74.9	69.5	64.6	22.1	+2.7	75	—1	2.1	+0·1	2	1	0	0	0	2	11	4	11
	1200		1008.3		1008.8	81.3	73.6	68·8	24.8		68		1.4		0	0	0	0	0	14	16	1	0
Badin	0000	31	1009.0		1010.1	69.3	67.0	65.9	21.5		87		0.0		0	0	0	0	0	14	0	0	17
	0300		1010.3	—0.7	1011.4	68.4	65.0	63.0	19.5	+2.6	82	+16	0.7	—0.5	1	1	0	0	0	17	0	0	12
	1200		1006.4		1007.5	96.7	77.6	64.5	24.1		40		0·0		1	0	0	1	1	14	3	4	7
IRAN																							
Jask	0300	13	1012.0		1012.5	72.0	65.0	59.7	17.9		67		1.2	—0.7	8	0	9	0	0	0	5	7	2
	1200		1010.2		1010.7	81.1	70.1	64.3	20.1		55		1.0		1	0	3	4	0	6	17	0	0
ARABIA																							
Muscat	0300	20	1012.0		1012.5	77.3	66.3	57.1	17.0		53		1.4	—0.4	0	0	1	1	0	3	11	12	3
	1200		1010.5		1011.0	79.8	70.7	65.7	21.8		63		0.8		3	0	0	4	3	0	1	19	1
Kuwait	0600	16	1018.2 (a)		1018.8 (a)	62.1 (a)	54.8 (a)	47.5 (a)	11.1		59		1.2		8	1	3	2	0	1	3	12	0 (a)
	1200		1015.3		1015.9	66.3	57·4	49.2	11·9		54		1.2		9	7	5	1	0	0	1	8	0

(a) Mean of 30 days.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF MARCH, 1953.

SUB-DIVISION AND STATION	Maximum Temperature of the air °F				Minimum Temperature of the air °F				Precipitation (inches)						Wind Velocity (knots)		Weather Number of Da			
	Mean.	Departure from normal.	Highest.	Date.	Mean.	Departure from normal.	Lowest.	Date.	Total of the month.	Departure from normal.	Heaviest fall in 24 hours.	Date.	Days with 0.10 inch or more.	Departure from normal.	Mean.	Departure from normal.	Thunder heard.	Hail.	Fog.	Visibi Cor Fr00 or le Have (dust
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
EAST PAKISTAN (NORTH)																				
Pabna	93.3	+1.0	103	29	71.3	+7.7	64	22	5.05	+3.84	1.96	8	6	+4.1						
Rajshahi									3.35	+2.18	2.00	4	3	+1.2						
Sirajgang	89.5		100	27, 28	70.0		61	6	2.03	+0.75	1.18	4	4	+1.9	4.4		9			
Bogra	88.7	—2.0	100	29	70.5	+7.5	62	9, 10	3.82	+2.68	1.31	1	5	+3.0	(e) 3.0	+1.2	7		2	
Dinajpur	89.7	+0·5	104	31	67.5	+6.6	57	1	0.38	—0.31	0.18	14	3	+1.6	2.8	+0.4	5			
Rangpur									3.36	—2.36	1.85	9	5	+3.4						
EAST PAKISTAN (EAST)																				
Cox's Bazar	88.5	+2.2	94	7	69.9	+5.5	62	3, 4	0.00	—1.49	0.00	0	0	—1.5	4.5	+1.8			5	
Chittagong	87.0	—0.1	91	4 days	70.3	+3.1	63	10	0.52	—1.94	0.37	10	2	—0.5	5.9	+0.5	1		3	
Noakhali (Maijdi)	86.8	+0.2	90	8	72.9	+2.4	62	10	0.34	—2.03	0.34	10	1	—2.1	*	*				
Brahmanbaria	89.7	—0.3	95	29	70.9	+6.9	63	6, 10	6.79	+3.76	2.84	11	7	+3.3	4.1		3		1	
Comilla	*	*	*	*	*	*	*	*	1.12	—1.89	0.57	10	3	—0.5	6.5	+3.1			1	
Narayanganj	90.2	+0·4	94	27,28,29	72.5	+4.4	64	10	3.98	+1.59	1.36	2	7	+3.8	4.5	+1.7	1		2	
Sirimangal	87.8	—2.4	94	29	67.0	+5.5	56	6	4.47	+1.08	1.26	4	7	+2.1	2.5	—0.8	10			
Mymensingh	88.2	+0.2	97	29	67.5	+2.8	63	4 days	4.51	+2.67	1.53	10	7	+4·0	2.5	+0.9	9			
EAST PAKISTAN (DELTAIC)																				
Faridpur	91.4	+2.1	101	27,28	71.0	+5.2	61	10	5.07	+2.97	1.25	8	7	+4.1	*	*	9		2	
Barisal	90.6	+1.0	95	15, 16	73.4	+4.6	67	10	0.12	—1.93	0.11	10	1	—2.1	4.6	+2.4	3		2	
Khulna	91.9	+0.3	98	16	73.5	+5.1	66	5	0.08	—1.56	0.08	10	0	—2.3	4.0	+1.0				
Jessore	94.2	+2.3	102	27	72.6	+7.8	64	5,15	4.50	+2.57	1.98	3	3	+0.1	5.7	+3.9	1			
Satkhira	89.5	—4.2	98	16	73.8	+5.9	65	5	0.29	—1.55	0.19	5	1	—1.5	3.9	+1.8			1	

(e) Means for 26 days. x Data not available. * Data rejected.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF MARCH, 1953.

SUB-DIVISION AND STATION	Maximum Temperature of the Air °F				Minimum Temperature of the Air °F				PRECIPITATION (INCHES)						Wind Velocity (knots)		WEATHER Number of the Day				
	Mean.	Departure from normal.	Highest.	Date.	Mean.	Departure from normal.	Lowest.	Date.	Total of the month.	Departure from normal.	Heaviest fall in 24 hours.	Date.	Days with 0.10 inch or more.	Departure from normal.	Mean.	Departure from normal.	Thunder heard.	Hail.	Visibility Code Figure 93 or less: Fog.	Haze (dust)	Duet Storms.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
KASHMIR																					
Srinagar (x)																					
Gulmarg (x)																					
Pahalgam (x)																					
Kupwara (x)																					
Sonamarg (x)																					
Gilgit (x)																					
Skardu																					
Jammu (x)																					
Kotli (x)																					
NORTH PUNJAB																					
Lahore	91.0	+8.4	97	4 days	60.9	+7.7	52	31	0.00	—0.79	0.00	—	0	—1.9	3.0	+1.1	1	0	0	0	1
Sialkot	87.9	+7.8	96	25	63.4	+9.2	52	30,31	0.15	—1.36	0.15	27	1	—2.2	2.2	+0.7	3	0	0	0	4
Jehlum	87.7	—	94	8	58.3	—	52	3,28,31	0.37	—	0.32	13th	1	—	2.3	—	4	0	0	0	2
Rawalpindi	83.9	+8.8	93	5, 8	55.3	+4.9	47	30	0.08	—2.59	0.04	26,27	0	—4.7	2.2	+0.1	4	0	0	0	1
Shahpur	89.7	+8.4	96	23	59.5	+3.7	49	31	0.00	—1.94	0.00	—	0	—2.5	4.0	+0.3	1	0	0	0	2
Gujrat	88.6	+7.0	96	23	58.5	+4.9	46	30	0.00	—0.56	0.00	—	0	—1.6	2.6	+0.7	0	0	0	0	0
SOUTH PUNJAB																					
Montgomery	91.1	+7.3	98	6	61.9	+5.9	51	28	0.00	—0.42	0.00	—	0	—1.3	2.1	—1.0	0	0	1	0	0
Multan	92.7	+8.8	100	23	61.6	+4.4	48	28	0.00	—0.40	0.00	—	0	—1.0	2.2	+0.7	0	0	3	5	0
Rahimyar Khan	95.4	—	103	6	63.1	—	46	28,30,31	0.00	—	0.00	—	0	—	*	—	0	0	0	0	1
Bahawalpur	94.7	+9.1	102	21,22,23	59.3	+4.1	48	31	0.00	—0.40	0.00	—	0	—0.9	(a) 2.4	—0.2	0	0	0	0	0
Khanpur	95.6	+8.7	103	23	61.9	+6.9	50	28,30,31	0.00	—0.38	0.00	0	0	—0.9	3.2	—0.8	0	0	1	0	0
N. W. F. P. (Upper)																					
Chakdara	79.8	—	84	5	52.2	—	42	29	1.24	—	0.64	26	4	—	5.3	—	3	0	0	0	0
Peshawar	80.3	+5.5	88	5	55.8	+3.4	45	30	1.33	—1.13	0.92	26	2	—2.6	3.1	+1.3	8	0	0	0	0
Landi Kotal	71.4	—	81	5	*	*	*	*	1.56	—	0.58	26	5	—	2.9	—	4	0	0	0	0
N.W.F.P. (Lower)																					
Kohat	84.0	+6.0	88	6,8,23	60.0	+7.1	50	30	0.18	—1.40	0.12	26	1	—2.2	3.1		0	0	0	0	0
Mianwali (R)																					
D. I. Khan	*	—	*	—	59.3	+4.3	49	30	0.00	—0.96	0.00	—	0	—2.3	2.5	+1.0	1	0	0	0	0
HILL STATIONS (excluding Kashmir & Baluchistan)																					
Murree	59.4	+3.8	72	5	45.9	+8.1	34	29	2.23	—2.58	0.94	13	6	—1.3	8.5	+3.3	6	0	0	0	0
Cherat	70.0	+8.8	78	5	54.2	+6.5	43	29,30	1.13	—3.16	0.55	25	4	—1.6	X	—	0	0	0	0	0
Drosh	61.5	+3.4	75	1,5	44.1	+3.7	32	29,30	6.16	+2.43	1.20	11	12	+4.6	3.7	+0.6	3	0	0	0	0
Parachinar	66.4	+6.6	77	5	43 4	+4.8	31	29	1.38	—2 96	0.41	16	5	—3.3	3 8	+1 4	3	0	0	0	0
Wana	75.3	+9.6	81	4,15,17	50.5	+10.5	40	30	0.07	—3.86	0.03	25	0	—3.9	4.0	—	0	0	0	0	0

*) Data rejected.
(R) Register not received.

(x) Data not available.
(a) Mean for 30 days.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF MARCH 1953

SUB-DIVISION AND STATION	Maximum Temperature of the Air °F				Minimum Temperature of the Air °F				Precipitation (inches)						Wind Velocity (knots)		Weather Number of Days			
	Mean.	Departure from normal.	Highest.	Date.	Mean.	Departure from normal.	Lowest.	Date.	Total of the month.	Departure from normal.	Heaviest fall in 24 hours.	Date.	Days with 0.10 inch or more.	Departure from normal.	Mean.	Departure from normal.	Thunder heard.	Hail.	Fog.	Visibility Code Figure or Haze (Smoke)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
AFGHANISTAN																				
Jalalabad	78.7	—	89	5	52.7	—	39	30	0.25	—	0.13	26	2	—	2.7	—	0	0	0	0
Kabul	59.2	+6.4	71	5	38.7	+5.1	24	29	2.40	—1.19	0.60	15	8	+0.9	3.3	+0.7	5	0	0	0
Kandhar	75.5	—	88	22	42.6	—	29	29	0.35	—	0.27	24	1	—	1.9	—	0	0	0	0
BALUCHISTAN (North)																				
Ft. Sandaman	76.0	+6.1	84	3,4,5	50.0	+5.2	39	29	0.05	—1.33	0.05	25	0	—3.6	3.6	+0.6	1			
Hindubagh (F)	72.1		81	4	46.5		42	13,21	0.29	—	0.13	16	1	—	7.4	—	0	0	0	0
Loralai	76.2		82	1,10,23	46.6		33	30	0.16	—1.14	0.16	15	1	—2.1	5.2					
Sibi	94.9	+8.9	102	23	54.9	+5.5	47	30	0.00	—0.32	0.00	—	0	—0.9	2.5	—0.6	0	0	0	0
Harnai									0.00	—1.41	0.00	—	0	—2.9						
Quetta (Samungli)	70.5		82	22	39.5		21	30	0.00		0.00	—	0		7.0		1			
Quetta	69.0		79	22	42.0		25	30	0.01		0.01	24	0		6.0	+3.2	0	0	0	0
Chaman	73.5	+7.0	85	22	49.7	+3.7	34	27,29	0.10	—1.39	0.10	23	1	—3.0	6.3	+1.2				
Kalat	65.7	+5.0	75	4 days	38.9	+2.9	21	29	0.40	—0.65	0.25	24	2	—1.0	5.4	+0.6				
Nushki	79.9		90	22	54.1		38	30	0.00		0.00		0		4.2 (g)					
Dalbandin	82.5	+4.7	92	10	50.4	+2.7	33	27	0.00 (a)	—0.40	0.00	—	0	—1.4	6.8	+2.8	1	0	0	0
Nokkundi	85.5	+7.4	96	4,5	56.6	+4.8	43	27	0.00	—0.12	0.00	—	0	—0.6	6.9	+0.8				
BALUCHISTAN (South)																				
Panjgur	81.6	+3.5	93	10	45.6	—4.6	30	30	0.00	—0.60	0.00	—	0	—1.3	5.5	+0.8				
Turbat	97.0		105	9	64.0		50	30	0.00		0.00	—	0		6.2					
Pasni	89.1	+4.5	100	10	65.6	+3.7	52	30	0.00	—0.51	0.00	—	0	—0.7	8.2	+2.7				
Ormara	88.0	+6.1	98	21	69.8	+4.4	58	30,31	0.00	—0.23	0.00	—	0	—0.7	10.1	+2.4				
Lasbella	101.3	+12.4	110	10	x		x		0.00	—1.03	0.00	—	0	—1.4	3.4	+1.0			2	
SIND (Lower)																				
Karachi (Manora)	84.5	+2.7	90	12,13,21	72.8	+4.7	66	30,31	0.00	—0.29	0.00	—	0	—0.6	6.8	—0.3			3	
Karachi (Aport)	91.8		102	10	66.7		54	30	0.00		0.00	—	0		6.5				2	
Badin	103.3	+11.6	109	10days					0.00	—0.15	0.00	—	0	—0.2	3.8					
Umarkot	100.6		107	10	63.9		53	30	0.00		0.00	—	0		4.6					
Chhor	98.9		105	11	62.0		47	29	0.00		0.00	—	0		3.7				2	
Hyderabad	99.5	+7.0	107	10,11,24	66.6	+2.8	52	28	0.00	—0.20	0.00	—	0	—0.4	4.1	—0.2				
SIND (Upper)																				
Sukkur	95.4	+7.5	102	23	63.2	+3.6	50	29,30	0.00	—0.24	0.00	—	0	—0.9	3.4	+0.1				
Reti (R)																				
Jacobabad	96.1	+6.5	103	26	63.7	+3.1	50	30	0.00	—0.22	0.00	—	0	—0.7	6.1	+2.1				
Pad Idan	96.3		103	8.25	60.4		48	30,31	0.00		0.00		0		3.4					
ARABIA																				
Kuwait	68.5		78	30,31	57.1 (a)		51	16	2.74		1.73	3	2		8.2					
Muscat	84.0	+3.0	101	23	74.6	+2.7	68	4 days	0.00	—0.40	0.00	—	0	—1.1	6.1	+2.5				
IRAN																				
Jask	83.7	+3.2	89	20	69.8	+3.2	63	29,30	0.00	—0.65	0.00	—	0	—1.2	11.4	+3.8				

(R.) Register not received. (x) Data not available. (a) Mean of 30 days. (2) Mean of 24 days.

REGD. No. S-1452.

PAKISTAN WEATHER REVIEW, 1953

MONTHLY WEATHER REPORT

APRIL

(PUBLISHED BY AUTHORITY OF THE GOVERNMENT OF PAKISTAN)

Chief Features :

(1) Fairly widespread over the north Punjab and the North-West Frontier Province during the second week and again in the second half of the third week.

(2) Marked thunderstorm activity over East Pakistan during the month.

West Pakistan :

A western disturbance while moving north-eastwards across the northern parts of West Pakistan caused light rain at a few places and a few dust or thunderstorm in northeast Baluchistan, the North-West Frontier Province and the north Punab between the 6th and the 8th. Fairly widespread rainfall occurred in the North-West Frontier Province and the north Punjab during the second week under the influence of three active western disturbances which moved across the northern parts of West Pakistan during this period. A few light falls were also reported from Baluchistan on the 9th and the 10th. During the second half of the third week another western disturbance moved north-eastwards across the northern parts of the region while its secondary moved from Baluchistan to Indian region across upper Sind and the south Punjab. The system again ws caused fairly widespread rainfall over the North-West Frontier Province and the north Punjab and a few dust/thunderstorms in Baluchistan and the south Punjab during the above period.

According to the press reports heavy duststorms in and around Multan caused considerable damage to fruit crops.

Local thunderstorms were reported from the North-West Frontier Province and the north Punjab due to the formation of a low over the Punjab on the 29th and its eastward movement on the following day.

Significant amounts of rainfall during the month were Murree 2″ on the 13th; Parachinar and Fort Sandeman 1″ each on the 12th.

The mean rainfall during the month was normal over the lower North-West Frontier Province, in slight defect over the upper North-West Frontier Province in moderate defect over the north Punjab and north Baluchistan and in large defect elsewhere. There was no rainfall over Sind. Average over the plains of West Pakistan it was in moderate defect.

The mean marimum temperature were above normal in the region outside south Baluchistan and lower Sind where it was normal. The mean minimum temperature were normal in upper Sind and above normal elsewhere.

The mean relative humidity was normal over the north Punjab and the upper North-West Frontier Province and in defect elsewhere over the regin. Skies were normally clouded over the region outside upper Sind and the upper North-West Frontier Province where they were more clouded than usual in upper Sind and less clouded than usual in the Upper North-West Frontier Province.

East Pakistan:

Due to the extension of the seasonal trough of low to East Pakistan fairly widespread rainfall and thunderstorms occurred over the region between the 6th and 8th, and the 10th and 12th.

A low, moving eastwards across the region again caused fairly widespread rain and thunderstorms with a few heavy falls over East Pakistan towards the end of the second week. Light rainfall and thunderstorm acitivity persisted over the region practically throughout the second half of the month on account of the establishment of the seasonal trough of low over West Bengal.

Some of the noteworthy amounts of rainfall recorded during the month were:—Srimangal 3 on the 6th; Chittagong and Mymensingh 1″ each on the 11th; Chittagong 1-1/2′ and Noakhali 1″ on the 12th; Srimangal 5″, Brahmanbaria and Mymensingh 2″ each and Narayanganj 1-1/2″ on the 13th; Brahmanbaria 1-1/2″ on the 14th; Noakali, and Sathkira 1″ each on the 22nd; Khulna and Faridpur 1″ eachon the 25th; Dinajpur 1″ on the 27th; Mymensingh 3″, Brahmanbaria 1½″ Dacca 1″ on the 28th Rangpur 1″ on the 29th; Mymensingh 3″ Sirajganj 2″ Rangpur 1-1/2″ on the 30th.

The mean rainfall during the month was in slight defect in the Northern, in moderate defect in the Eastern and in large defect in the Deltaic sub-division. Average over the region as a whole, it was in moderate defect.

The mean maximum and minimum temperatures were normal over the region except in the Northern sub-division where the mean maximum temperature were above normal. The mean relative humidity was in defect in the northern sub-division and normal elsewhere. Skies were normally clouded over East Pakistan.

Table I contains the divisional and sub-divisional means of rainfall, temperature, humidity and cloud for the 5 Chief divisions and 12 sub-divisions of Pakistan. These means are based on the observations at the stations whose monthly means are given in the subsequent tables.

TABLE I.—DIVISIONAL AND SUB-DIVISIONAL MEANS FOR APRIL 1953

Sub-division	PRECIPITATION				DEPARTURE FROM NORMAL OF				
							03 hrs. G.M.T.		
	Actual	Normal	Departure from normal	Percentage departure from normal	Maximum temperature	Minimum temperature	Vapour pressure	Relative humidity	Cloud
1	2	3	4	5	6	7	8	9	10
	"	"	"		°	°	mb.	%	
East Pakistan	3.18	4.30	—1.12	—26	+1.8	+1.4	+1.5	—2	—0.1
Mean of East Pakistan	3.18	4.30	—1.12	—26	+1.8	+1.4	+1.5	—2	—0.1
(1) Punjab	0.29	0.66	—0.37	—56	+3.4	+3.0	—0.9	—5	—0.1
(2) N.-W.F.P.	0.98	1.14	—0.16	—14	+2.7	+2.6	—0.7	—6	—0.5
(3) Baluchistan	0.31	0.55	—0.24	—44	+2.5	+0.9	—0.8	—7	—0.0
(4) Sind	0.00	0.10	—0.10	—100	+2.5	—0.5	—0.7	—7	+0.8
Mean of West Pakistan excluding Baluchistan	0.30	0.54	—0.24	—44	+3.0	+2.2	—0.9	—6	+0.1
East Pakistan (North)	2.81	2.49	—0.32	—13	+2.7	+1.0	—0.7	—8	—0.5
East Pakistan (East)	4.47	6.07	—1.60	—26	+1.6	+1.5	+2.0	0	—0.1
East Pakistan (Deltaic)	1.56	3.65	—2.09	—57	+1.6	+1.6	+1.7	—2	0.0
Kashmir (*)	..	..	..	..	..	..	..	..	..
North Punjab	0.51	0.97	—0.46	—47	+3.2	+2.9	—0.2	—4	0.0
South Punjab	0.01	0.26	—0.25	—96	+3.8	+3.3	—2.0	—7	—0.2
N.-W.F.P. (Upper)	1.45	1.76	—0.31	—18	+3.3	+2.5	+0.1	—5	—0.8
N.-W.F.P. (Lower)	0.75	0.83	—0.08	—10	+2.2	+2.6	—1.1	—6	—0.3
Baluchistan (North)	0.42	0.59	—0.17	—29	+3.3	+2.4	—0.5	—7	—0.2
Baluchistan (South)	0.10	0.48	—0.38	—79	+1.3	—2.2	—1.3	—6	+0.2
Sind (Upper)	0.00	0.13	—0.13	—100	+3.9	+1.1	+2.7	—9	+1.7
Sind (Lower)	0.00	0.07	—0.07	—100	+1.6	—2.1	+0.6	—6	+0.2
Junagadh*									

* Data incomplete.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF APRIL 1953

SUB-DIVISION AND STATION	Hours of observation.	Height of bar cistern above mean sea level.	Mean Pressure: Station level reduced to standard temperature and gravity.	Mean Pressure: Departure from normal.	Mean Pressure: Reduced to standard temperature and M.S.L. or nearest 0.1 in. level.	MEAN TEMPERATURE OF THE AIR AND HUMIDITY: Dry bulb.	Wet bulb.	Dew point.	Vapour pressure.	Departure from normal.	Relative humidity.	Departure from normal.	Total Cloud Amount: Mean amount.	Departure from normal.	Wind Direction Number of Observations From:— N	NE	E	SE	S	SW	W	NW	Calm.
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas										
EAST PAKISTAN (NORTH)																							
Pabna	0300					85.6	77.0	74.0	28.3	+0.8	67	−5											
Sirajganj	0000	49	1004.9		1006.6	74.5	72.5	72.1	26.8		90		3.4		0	0	0	10	6	4	0	0	10
	0300		1006.4		1008.2	83.8	75.6	71.4	27.0		68		2.9		0	0	2	13	5	2	0	1	7
	1200		1001.7		1003.4	88.6	75.0	67.5	24.0		51		2.1		0	0	1	8	1	0	1	1	18
Bogra	(*) 0000	65	1004.5		1006.7	74.4	71.0	69.0	23.9		83		4.0		0	0	1	5	1	0	0	0	23
	0300	63	1006.6	0.0	1008.7	83.3	74.1	69.5	24.6	−0.1	64	−5	2.9	−0.5	0	2	15	6	0	4	2	1	0
	1200		1001.5		1003.6	92.0	74.3	64.5	21.2		41		2.0		0	1	8	2	0	9	5	0	5
Dinajpur	0000	123	1004.4		1008.7	71.6	66.5	64.3	20.3		76		2.2		2	10	3	0	0	0	0	0	15
	0300		1006.0	+1.7	1010.2	82.2	69.8	60.0	19.0	−2.7	51	−14	2.8	−0.4	1	1	13	1	0	0	5	0	9
	1200		1001.1		1005.2	91.4	71.8	57.4	17.5		35		0.4		0	2	5	0	0	0	2	0	21
EAST PAKISTAN (EAST)																							
Cox's Bazar	(x) 0000	10	1008.5		1008.8	76.2	75.4	75.2	29.2		95		2.8		0	1	22	0	3	1	0	0	3
	0300	38	1010.3	+1.0	1011.7	86.9	79.0	75.3	30.2	+0.9	69	−6	3.3	0.0	0	0	0	0	16	4	0	0	10
	1200		1006.8		1008.1	84.7	77.9	74.8	29.6		72		2.4		0	0	0	0	15	5	1	0	9
Chittagong	0000																						
	0300	87	1007.9	+0.4	1010.8	85.3	78.1	71.8	29.0	+1.5	72	−3	4.9	−1.5	(g) 1	3	4	7	6	2	1	0	3
	1200		1003.6		1006.6	84.7	78.9	76.5	31.1		75		3.5		(f) 0	0	0	0	9	11	4	1	0
Noakhali (Maijdi)	0000	22	x		x	77.5	75.7	74.7	28.7		91		2.5		0	0	0	8	2	0	0	0	20
	0300		1009.1 (a)	0.0	1010.0	84.1	78.1	75.2	30.0	+0.5	75	0	3.1	−0.3	0	0	0	20	2	0	0	0	8
	1200		1005.2 (a)		1006.0	87.0	80.0	76.5	31.8		72		3.4		0	0	0	25	1	1	0	1	2
Brahmanbaria	0000	32	1007.1		1008.2	75.5	73.9	73.2	27.5		93		1.7		1	0	4	5	7	1	0	0	12
	0300		1008.9		1010.0	84.1	77.4	74.2	29.3	+3.7	73	+4	3.0		1	0	2	3	20	2	0	0	2
	1200		1004.3		1005.4	86.5	78.4	70.5	30.2		69		2.0		1	0	1	4	13	2	2	0	7
Comilla	0000	29	1007.6		1008.6	75.5	74.1	73.9	27.5		93		3.4		0	0	1	6	6	0	0	0	17
	0300		1008.8	+0.2	1009.8	83.8	77.9	75.3	30.0	+1.2	75	+4	3.3	−0.2	0	1	1	14	7	2	0	1	4
	1200		1005.0		1006.0	88.4	78.8	74.4	29.0		62		4.1		1	1	0	10	16	0	0	0	2
Narayanganj	0000	26	1007.5		1008.4	77.1	75.0	73.9	26.7		91		3.3		0	2	6	1	15	3	1	1	1
	0300		1008.9	+0.4	1009.8	84.5	77.8	75.0	30.3	+2.4	73	−2	2.9	−1.3	0	3	1	5	13	7	1	0	0
	1200		1004.8		1005.6	85.9	76.7	72.4	27.6		65		4.1		0	0	3	5	15	1	1	0	5
Srimangal	0000	69	1006.4		1008.8	71.9	70.6	69.4	24.8		93		4.3		0	0	2	2	3	0	0	0	23
	0300		1007.9	+0.1	1010.3	80.4	75.1	72.6	26.7	+0.7	76	−1	3.8	+0.3	0	1	3	5	7	1	0	0	13
	1200		1003.5		1005.9	83.8	75.7	71.9	27.0		68		3.6		2	0	4	3	10	1	0	0	10
Mymensingh	0000	62	1006.8		1009.1	75.2	73.4	72.6	26.8		90		4.5		0	0	14	0	0	0	0	0	16
	0300		1008.3	+0.7	1010.4	82.4	78.0	75.8	30.2	+4.8	81	+7	3.7	−1.0	0	0	20	2	1	0	1	0	6
	1200		1002.8		1005.0	88.6	78.9	75.0	30.1		65		2.4		0	0	11	0	0	0	0	0	19

*) Observations at 0000 hrs. were taken at a distant site by P.B.O. staff.

(a) Data not available.

(g) Observation for 24 days.

(f) Observation for 25 days.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF APRIL 1953

SUB-DIVISION AND STATION	Hours of observation	Height of barometer cistern above mean sea level	Mean Pressure: Station level reduced to standard temperature and gravity	Mean Pressure: Departure from normal	Mean Pressure: Reduced to standard temperature and M.S.L. or nearest Gpm level	Mean Temperature of the Air and Humidity: Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Total Cloud Amount: Mean	Departure from normal	Wind Directions Number of Observations From :— N	NE	E	SE	S	SW	W	NW	Calm
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas										
EAST PAKISTAN (DELTAIC)																							
Faridpur	0000		1005.0		1006.6	75.5	74.0	73.1	27.5		93		3.1		0	0	0	5	12	2	0	0	11
	0300	46	1008.9	+1.9	1010.5	84.6	78.3	75.3	30.3	+2.2	73	+4	2.7	−0.4	0	1	0	2	18	6	1	0	2
	1200		1003.0		1004.6	93.7	76.6	69.0	25.3		51		3.6		1	0	0	6	10	5	0	1	7
Barisa	0000		1007.4		1007.8	77.8	76.1	75.5	30.5		93		3.8		0	0	0	2	11	5	0	0	2
	0300	11	1009.4	+0.4	1009.8	87.0	79.3	76.0	31.0	+1.1	71	−4	4.0	+0.2	0	0	0	6	17	5	2	0	0
	1200		1005.3		1005.7	87.5	78.3	74.1	28.7		65		4.2		1	0	0	4	17	5	0	0	3
Khulna	0000		1007.2		1007.7	77.6	75.8	75.0	29.7		91		4.1		0	2	0	6	3	1	0	0	10
	0300	16	1009.2	+0.8	1009.7	84.9	79.1	76.4	31.1	+2.3	75	+3	3.5	−0.6	0	1	0	9	3	17	0	0	6
	1200		1005.2		1005.7	87.8	77.0	72.8	26.7		59		2.6		0	1	0	6	7	11	0	0	5
Jessore	0000		1006.0		1006.9	76.6	74.1	74.0	29.5		93		2.5		1	0	1	3	12	3	0	0	10
	0300	26	1007.8	−0.1	1008.7	85.0	78.2	75.0	29.6	+0.8	72	−1	3.0	−0.3	0	1	0	4	13	9	3	0	6
	1200		1003.5		1004.4	91.6	75.9	67.7	24.8		47		3.8		0	0	5	0	21	0	1	0	3
Satkhira	0000		1006.6		1007.2	78.1	75.9	74.6	29.7		91		4.5		0	0	0	3	2	10	0	1	
	0300	16	1008.4	+0.1	1008.8	85.7	79.1	75.5	31.5	+2.3	74	+4	4.2	+1.2	0	2	0	0	8	19	0	0	
	1200		1003.8		1004.3	90.7	83.0	79.2	35.8		72		4.2		0	0	0	5	8	13	0	0	
KASHMIR																							
Srinagar (X)	0000	5205																					
	0300																						
	1200																						
Gulmarg (X)	0000	8709																					
	0300																						
	1200																						
Dras (X)	0000	10059																					
	0300																						
	1200																						
Leh (X)	0000																						
	0300																						
	1200																						
Skardu (X)	0000	7505																					
	0300																						
	1200																						
Gilgit (X)	0000	4890																					
	0300																						
	1200																						
Misgar	0000	10190	698.5		707.8	34.8	30.5	23.9	4.4		65		3.1		0	0	0	0	0	0	4	0	
	0300		699.3	—	708.6	35.5	30.7	23.8	4.3	—	62	—	3.8	—	0	0	5	0	0	0	3	0	
	1200		696.9		705.8	50.1	36.9	17.0	3.4		27		4.4		0	0	23	0	0	0	4	0	

(x) Data not available

SUB-DIVISION AND STATION	Hours of observation	Height of bar cistern above mean sea level	MEAN PRESSURE			MEAN TEMPERATURE OF THE AIR AND HUMIDITY							TOTAL CLOUD AMOUNT		WND DIRECTIONS NUMBER OF OBSERVATIONS FROM :—								
			Station level reduced to standard temperature and gravity	Departure from normal	Reduced to standard temperature and M.S.L. or nearest Gpm. level.	Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Mean amount	Departure from normal	N	NE	E	SE	S	SW	W	NW	Calm.
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
KASHMIR—contd.																							
Jammu (X)	0000																						
	0300																						
	1200																						
NORTH PUNJAB																							
Lahore	0000	702	982.4		1006.9	68.6	59.1	51.1	12.9		54		2.6		2	6	1	1	1	0	1	3	15
	0300		983.7	+0.3	1007.9	77.7	63.2	52.0	13.3	—0.1	41	—3	2.8	+0.5	3	7	1	5	0	0	0	1	13
	1200		980.9		1004.3	95.5	67.5	44.8	10.3		18		2.9		4	3	1	1	1	2	5	10	3
Sialkot	0000	830	978.1		1006.9	71.2	59.6	50.4	12.2		47		3.2		0	17	1	0	0	1	0	1	10
	0300		979.3	+0.1	1008.0	74.3	63.4	52.8	15.0	+1.5	51	+1	3.2	+1.3	2	10	0	2	0	0	0	3	13
	1200		976.5		1004.1	93.8	70.0	54.9	14.2		26		3.3		0	5	0	1	0	2	2	5	15
Jhelum	0000	765	980.8		1007.7	67.3	58.1	50.1	12.4		56		2.5		3	2	0	0	0	2	1	3	19
	0300		981.9	—	1008.4	75.9	61.5	49.4	12.2	—	39	—	2.4	—	0	0	4	3	1	1	1	9	11
	1200		978.9		1004.1	94.1	66.6	43.3	9.9		19		4.2		0	0	0	3	3	6	3	11	4
Rawalpindi	0000	1676	950.6		894.7	66.7	56.7	48.0	11.7		53		—		0	1	0	0	0	0	1	0	28
	0300		951.6	—0.1	896.7	74.5	60.2	49.3	12.0	—1.0	41	—7	1.9	—0.7	1	2	0	0	0	0	3	0	24
	1200		949.5		895.9	87.7	62.9	43.6	9.6		21		3.3		0	1	1	0	1	2	6	2	17
Khushab	0000	616	985.3		1006.8	70.6	58.8	48.0	11.7		45		1.5		3	11	9	1	1	1	2	2	0
	0300		987.0	—0.1	1008.2	77.9	62.1	49.0	11.9	—1.1	37	—6	2.1	—0.1	2	3	11	3	1	1	3	3	3
	1200		983.7		1004.2	95.5	66.8	41.9	9.5		16		3.0		2	3	4	6	3	5	4	3	0
Lyallpur	0000	605	985.3		1006.5	68.5	58.8	50.1	12.6		52		2.1		4	7	3	2	0	1	1	1	11
	0300		986.7	—0.2	1007.7	67.1	61.6	50.4	12.7	—0.1	42	—4	2.2	—0.9	3	4	5	5	2	1	3	3	4
	1200		984.2		1004.4	94.5	67.9	46.7	11.3		21		2.6		0	3	3	4	6	2	0	4	8
SOUTH PUNJAB																							
Montgomery	0000	558	986.9		1006.4	68.5	60.4	53.7	14.3		61		2.8		2	1	0	4	0	5	0	6	12
	0300		988.1	—0.3	1007.3	77.1	63.8	53.5	14.0	—1.6	44	—12	2.1	+0.5	1	2	1	13	2	1	2	2	6
	1200		985.4		1004.0	95.3	71.5	55.8	15.5		27		2.9		0	0	0	6	0	0	0	0	24
Multan	0300	413	993.6		1007.8	78.1	63.0	50.5	12.9	—3.5	39	—12	2.0	+0.3	10	2	0	0	2	0	1	4	11
	1200		990.2		1003.9	98.9	68.2	42.3	9.7		15		3.4		5	2	1	1	5	2	1	2	11
Fort Abbas	0000	475	989.1		1005.6	72.0	59.8	48.5	12.1		45		0.6		1	4	4	4	1	4	0	2	10
	0300		990.6	—	1007.1	80.9	64.5	50.2	13.3	—	37	—	1.0	—	0	3	3	2	1	8	1	3	9
	1200		987.1		1002.8	100.7	75.0	48.6	17.9		27		2.1		1	3	0	1	0	19	0	3	3

(X) Data not available.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF APRIL 1953

SUB-DIVISION AND STATION	Hours of observation	Height of barometer cistern above mean sea level	Mean Pressure: Station level reduced to standard temperature and gravity.	Mean Pressure: Departure from normal	Mean Pressure: Reduced to standard temperature and M.S.L. or nearest Gpm level.	Mean Temperature of the Air and Humidity: Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Total Cloud Amount: Mean amount	Departure from normal	Wind Directions Number of Observations From:— N	NE	E	SE	S	SW	W	NW	Calm
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
SOUTH PUNJAB—contd.																							
Bahawalpur	0300	384	993.5	—1.5	1006.8	74.2	63.4	56.0	15.1	—0.9	52	+2	0.8	—1.0	0	4	0	3	0	8	0	3	12
	1200		991.0		1003.8	99.2	74.0	57.5	17.2		27		1.5		1	2	0	0	0	4	4	0	19
Khanpur	0300	297	997.1	—1.0	1007.4	76.6	*	*	*	—	*	—	0.7	—0.7	3	2	1	0	1	9	0	0	14
	1200		993.2		1003.0	100.7	*	*	*	—	*		0.8		1	1	0	1	0	6	5	1	15
N.-W.F.P. (Upper)																							
Chakdara	0000	2225	932.5		896.6	62.5	54.2	46.8	10.9		57		2.6		0	2	2	0	0	1	0	9	16
	0300		933.8	—	898.1	66.8	56.8	49.3	11.8	—	53	—	2.7	—	8	6	1	3	1	0	0	3	8
	1200		931.3		896.7	83.1	65.2	53.3	14.0		36		3.7		0	0	2	4	0	5	1	4	14
Peshawar	0000	1175	968.0		1009.0	65.3	56.9	48.4	12.1		56		2.8		1	0	0	3	7	10	0	2	7
	0300		969.3	—0.2	1009.9	72.9	61.8	52.9	13.8	+0.1	51	—5	2.9	—0.8	1	1	0	3	6	5	0	3	11
	1200		966.4		1005.8	84.9	64.4	47.0	11.4		28		5.1		4	6	4	4	3	1	1	3	4
Landikotal	0000	3503	892.6		899.5	59.0	51.2	42.2	9.7		57		2.0		0	0	0	2	0	0	0	3	25
	0300		893.8	—	900.7	66.1	54.4	43.1	9.7	—	44	—	2.3	—	1	4	0	4	0	2	0	7	12
	1200		891.4		898.2	77.4	59.2	43.4	9.8		31		4.7		0	6	0	5	0	8	1	9	1
N.-W.F.P. (Lower)																							
Bannu	0000	1264	963.9		1007.7	68.6	57.9	47.5	11.6		48		1.3		2	0	4	2	2	0	8	12	0
	0300		965.5	—	1008.8	74.4	61.7	52.0	13.1	+0.1	45	—6	1.6	—0.1	0	2	1	0	0	2	14	10	1
	1200		962.3		1004.4	88.5	66.1	47.8	11.8		26		3.8		2	3	12	2	2	1	0	1	0
Miranshah (R)	0000	3026																					
	0300																						
	1200																						
D. I. Khan	0000	570	987.3		1007.2	70.2	60.5	52.6	13.6		55		1.6		5	6	0	1	0	2	1	2	16
	0300		989.3	+0.6	1009.1	72.2	61.4	52.8	13.7	—2.3	50	—6	1.7	—0.5	6	5	0	1	0	0	1	0	16
	1200		986.5		1005.5	95.2	70.8	54.2	14.4		23		2.9		2	6	3	2	3	2	1	1	10
HILLSTATIONS (excluding Kashmir & Baluchistan)																							
Murree	0000	7113	783.4		799.3	51.5	43.4	33.8	6.7		52		3.3		0	4	3	4	0	1	4	12	
	0300		784.7	+0.6	800.5	57.4	45.5	31.7	6.1	—1.0	39	—10	3.7	+0.6	6	7	3	2	0	0	4	5	
	1200		783.8		799.3	62.8	49.8	36.8	7.6		39		4.7		0	7	3	3	1	0	7	7	
Cherat	0000	4272	*		*	63.2	50.9	37.3	7.8		38		1.0		16	5	0	3	0	4	0	0	
	0300		*	—	*	63.6	52.2	40.0	8.8	—0.2	43	—11	1.4	—1.3	9	10	0	4	1	2	1	3	
	1200		*		*	74.4	56.2	37.4	8.1		28		3.6		8	5	0	8	3	3	0	3	
Drosh	0000	4806	855.4		903.6	54.8	46.9	36.9	7.8		53		3.0		0	0	1	0	1	0	0	0	
	0300		855.1	+0.2	903.2	56.0	49.2	41.9	9.2	+0.4	60	+1	4.6	+1.5	0	4	1	0	0	1	0	0	
	1200		851.7		898.2	70.3	55.3	40.6	8.9		35		5.4		0	3	0	0	0	10	4	0	

(R) Register not received.

(*) Data rejected.

SUB-DIVISION AND STATION	Hours of observation.	Height of bar cistern above mean sea level.	MEAN PRESSURE			MEAN TEMPERATURE OF THE AIR AND HUMIDITY							TOTAL CLOUD AMOUNT		WIND DIRECTION NUMBER OF OBSERVATIONS FROM :—								
			Station level reduced to standard temperature and gravity.	Departure from normal.	Reduced to standard temperature and M.S.L. or nearest Gpm. level.	Dry bulb.	Wet bulb.	Dew point.	Vapour pressure.	Departure from normal.	Relative humidity.	Departure from normal.	Mean amount.	Departure from normal.	N	NE	E	SE	S	SW	W	NW	Calm.
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
HILL STATION (including Kashmir and Baluchistan)—contd.	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas										
Parachinar	0000	5673	825.9		798.6	51.0	45.7	39.3	8.4		63		2.5		16	3	1	1	1	0	3	4	1
	0300		825.9	0.0	798.9	58.5	48.8	39.6	8.4	0.0	51	—7	2.4	—0.5	0	2	0	1	0	1	0	1	25
	1200		824.8		798.4	67.9	53.2	40.6	8.6		38		4.8		1	3	0	7	3	1	1	1	13
Wana	0300	4503	862.7	—	901.0	61.5	55.0	50.0	12.1	+3.5	65	+6	1.3	—0.9	0	0	0	0	0	0	0	0	30
	1200		859.7		896.7	76.7	63.9	55.8	15.2		47		2.3		0	0	1	0	0	3	0	0	20
AFGHANISTAN																							
Jalalabad	0300	1950	939.9	—	894.6	68.8	59.1	51.8	13.2	—	55	—	2.4	—	1	0	0	0	0	1	11	1	16
	1200		936.0		892.6	85.4	69.4	60.1	18.0		43		4.1		0	3	2	1	0	0	5	0	19
Kabul	0300	5955	821.2	—	803.0	55.0	46.4	37.6	7.6	+0.2	52	—7	3.3	+0.3	0	0	1	2	9	9	5	4	0
	1200		819.2		801.5	67.9	51.9	36.6	7.5		32		5.8		8	9	2	1	1	2	2	2	3
Kandhar	0300	3462	892.2	—	898.2	58.1	51.7	45.1	10.5	—	63	—	2.3	—	0	1	0	0	0	0	0	0	29
	1200		889.5		895.0	80.7	62.0	47.2	11.4		33		2.7		0	1	0	0	0	11	0	0	18
BALUCHISTAN (NORTH)																							
Fort Sandeman	0300	4614	859.1	+0.3	900.6	63.6	49.8	33.9	6.7	—1.3	34	—29	1.8	—0.2	0	0	0	0	1	0	2	0	27
	1200		857.0		897.0	80.1	55.8	26.0	5.4		15		3.6		0	0	0	0	0	6	0	1	23
Hindubagh	0000	5909	819.1		799.5	53.1	45.6	37.5	7.7		56		1.5		0	0	0	0	1	4	13	4	8
	0300		820.4		801.5	61.0	51.0	41.4	9.2		50		2.2		0	0	0	1	0	8	4	4	13
	1200		817.8		799.3	73.1	58.1	45.6	11.1		40		4.0		0	0	1	0	0	8	16	4	1
Loralai	0000	4699	855.0		899.6	56.6	47.6	36.7	7.6		49		0.9		0	0	0	1	1	1	16	0	11
	0300		856.6		900.9	63.4	52.6	41.4	9.0		46		3.1		0	0	0	0	1	0	19	0	10
	1200		853.8		896.6	79.5	59.8	41.6	9.6		27		5.5		0	0	1	0	12	5	6	0	6
Sibi	0000	441	990.6		1005.7	76.3	60.1	45.2	11.3		34		2.0		0	0	0	0	0	0	0	3	27
	0300		992.2	—0.2	1007.3	82.1	63.2	47.2	12.0	+2.2	30	—1	3.0	+1.1	0	0	0	0	0	0	0	4	26
	1200		988.5		1002.9	101.8	71.2	48.2	13.8		18		4.0		2	0	1	10	3	3	1	5	5
Quetta	0300	5490	832.7	—0.1	800.9	58.3	50.8	44.4	9.8	+0.7	60	—3	1.8	—0.3	1	1	0	0	0	0	0	0	28
	1200		830.3		799.7	74.9	56.1	39.9	8.3		20		4.5		7	2	0	0	2	0	3	14	2
Quetta (Samungli)	0000	5253	841.4		801.5	45.6	39.9	31.9	6.5		63		1.8		0	1	2	12	0	0	0	3	12
	0300		842.6		803.5	57.3	47.6	37.5	8.0		49		2.1		0	0	4	6	0	2	5	2	11
	1200		840.1		802.5	76.1	54.9	32.6	7.3		24		4.4		4	1	0	1	0	2	9	13	0
Chaman	0000	4311	867.6		900.1	61.9	50.5	37.7	7.9		41		1.1		0	0	19	6	1	2	1	1	0
	0300		869.2	+1.2	901.1	68.6	54.4	40.5	8.7	0.0	38	—7	1.4	—1.0	1	0	6	11	4	1	0	0	7
	1200		866.2		897.5	79.8	59.9	42.4	9.6		27		1.3		2	0	0	0	2	3	16	7	0
Nushki	0000	3416	901.6		905.7	68.3	53.8	37.9	8.2		35		0.0		5	10	4	2	0	1	0	2	6
	0300		901.9		906.1	68.7	54.1	37.5	8.5		36		0.4		3	4	16	0	1	0	1	1	4
	1200		899.6		903.6	87.2	64.5	45.3	11.6		26		0.8		3	3	2	1	1	2	5	13	0

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF APRIL 1953

SUB-DIVISION AND STATION	Hours of observation.	Height of bar cistern above mean sea level.	Mean Pressure: Station level reduced to standard tempatrue and gravity.	Mean Pressure: Departure from normal.	Mean Pressure: Reduced to standard temperature and M.S.H. or nearest Gpm. level.	Mean Temperature of the Air and Humidity: Dry bulb.	Wet bulb.	Dew point.	Vapour pressure.	Departure from normal.	Relative humidity.	Departure from normal.	Total Cloud Amount: Mean amount.	Departure from normal.	Wind Direction Number of Observations From :— N	NE	E	SE	S	SW	W	NW
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
BALUCHISTAN—(NORTH)—contd.	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas									
Kalat	0000	6616	800.2		801.8	46.8	38.9	28.9	5.3		48		0.9		1	0	0	1	21	0	0	0
	0300		801.4	+1.8	803.1	54.0	44.2	33.2	6.3	—2.7	45	—11	0.9	—0.9	0	0	0	0	21	0	0	0
	1200		799.5		801.1	71.5	52.7	35.2	16.7		25		2.5		3	1	0	0	1	1	5	16
Dabbandin	0000	2785	915.7		899.4	64.1	51.3	36.9	7.7		37		1.8		0	12	0	4	0	2	1	3
	0300		917.0	+1.2	901.0	67.4	53.0	37.3	8.0	—1.2	34	—11	1.9	0.0	0	13	2	1	1	0	1	0
	1200		914.2		898.7	89.1	63.4	41.6	9.5		21		3.4		0	5	5	2	0	10	3	2
Nokkundi	0000	2229	932.7		898.5	70.0	55.4	41.3	9.2		37		0.0		10	4	2	0	0	2	2	10
	0300		934.4		900.4	74.0	58.4	45.0	9.5	—1.5	33	—12	2.0	—0.1	9	4	1	1	2	3	1	8
	1200		931.4		898.8	92.6	67.5	48.7	12.8		24		4.0		4	3	2	6	5	2	2	6
BALUCHISTAN (South)																						
Lasbela	0000	292	998.8		1009.0	69.0	65.2	60.2	19.3		80		0.8		0	0	0	1	0	2	0	0
	0300		999.7	+0.3	1009.9	76.5	68.6	62.7	20.2	—1.9	65	—3	1.7	+0.3	0	1	0	1	1	4	0	1
	1200		995.5		1005.4	99.2	74.1	56.5	17.3		27		1.1		0	1	0	14	0	12	0	0
Ormara	0000	15	1007.3		1007.8	75.4	72.6	70.1	26.1		86		0.3		2	0	0	0	0	0	20	0
	0300		1008.9		1009.4	76.5	72.4	70.1	25.3	—0.4	81	—3	1.7	—0.1	1	1	1	0	1	0	19	0
	1200		1006.1		1006.7	86.3	75.4	68.6	25.0		58		0.5		0	0	0	0	3	3	24	0
Pasni	0000	10	1008.4		1008.7	69.1	66.8	65.0	21.4		89		2.8		0	1	0	0	0	0	20	5
	0300		1009.7	+0.4	1010.0	74.8	70.4	66.4	23.5	—0.2	79	—2	2.3	+0.9	2	0	1	0	1	1	12	7
	1200		1006.6		1006.9	85.6	72.9	66.0	21.9		52		2.7		0	0	0	0	0	27	3	0
Turbat	0000	510	991.7		1010.1	71.9	62.8	55.4	15.6		58		0.2		0	15	0	9	2	0	0	2
	0300		993.6		1011.3	78.1	68.2	61.5	18.9		58		0.2		0	4	0	10	2	1	0	8
	1200		989.3		1006.0	110.0	80.3	69.1	26.2		40		0.8		0	3	0	1	0	3	8	13
Panjgur	0000	3177	903.5		900.0	*	*	*	*	*	*	*	0.4		2	5	0	1	0	14	0	8
	0300		904.5	+1.4	901.0	65.6	54.4	44.4	9.9	—2.7	47	—16	0.9	—0.4	3	17	4	1	0	3	0	2
	1200		901.7		898.3	87.7	64.1	45.6	11.0		25		2.2		2	2	0	0	1	13	2	10
SIND (Upper)																						
Reti (R)	0000	280																				
	0300																					
	1200																					
Jacobabad	0000	183	999.2		1005.5	73.6	57.7	40.7	9.0		33		1.4		4	6	9	3	4	0	1	3
	0300		1001.2	0.0	1007.6	79.6	61.6	43.9	10.5	—6.2	31	—15	2.9	+1.7	4	1	7	7	5	2	1	2
	1200		999.6		1003.7	102.4	76.5	33.8	19.3		27		2.3		2	0	1	6	8	6	3	3
Sukkur	0300	221	999.6	—1.0	1007.3	75.9	64.0	56.0	16.1	+0.8	49	—2	2.9	+1.6	3	3	0	11	8	1	0	1
	1200		996.4		1003.8	99.9	71.0	49.0	12.7		19		2.4		4	4	0	9	9	3	0	0
Padidan	0000	153	1000.3		1005.7	71.8	59.5	48.3	12.3		46		1.4		0	0	0	10	0	1	3	0
	0300		1002.3		1007.6	77.7	63.0	50.4	13.1		40		2.4		2	1	0	8	4	2	0	5
	1200		999.2		1004.3	101.6	69.1	41.2	9.5		14		1.9		0	2	0	3	1	4	3	1

(*) Data rejected.

(R) Register not received.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF APRIL 1953

SUB-DIVISION AND STATION	Hours of observation.	Height of bar cistern above mean sea level.	Mean Pressure: Station level reduced to standard temperature and gravity.	Mean Pressure: Departure from normal.	Mean Pressure: Reduced to standard temperature and M.S.L. or nearest Gpm level.	Mean Temperature of the Air and Humidity: Dry bulb.	Wet bulb.	Dew point.	Vapour pressure.	Departure from normal.	Relative humidity.	Departure from normal.	Total Cloud Amount: Mean amount.	Departure from normal.	Wind Direction Number of Observations From: N	NE	E	SE	S	SW	W	NW	Calm.
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
SIND—(Lower)	G.M.T.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%		ok tas										
Umarkot	0000	55	1005.3		1007.2	72.1	67.0	62.7	20.3		75		0.0		0	2	0	0	16	7	0	0	5
	0300		1006.5		1008.4	78.9	70.7	67.8	23.2		65		1.8		0	1	2	0	7	15	1	0	4
	1200		1002.6		1004.4	101.4	77.1	59.7	20.5		30		1.7		2	0	0	0	1	15	6	4	2
Dhor	0000	19	1006.1		1006.9	68.7	65.2	62.5	19.5		82		2.3		0	0	0	0	2	13	0	0	15
	0300		1007.8		1008.5	76.7	70.4	69.6	22.1		71		3.1		0	1	0	0	2	21	1	0	5
	1200		1003.7		1004.4	100.2	78.0	66.0	22.8		34		2.2		1	0	0	0	0	17	6	3	3
Hyderabad	0000	96	1003.1		1006.5	73.2	65.0	58.1	17.4		63		0.5		1	0	0	0	0	23	0	0	6
	0300		1004.6	+1.5	1007.9	75.9	67.8	61.7	19.8	+2.3	64	+12	1.1	—0.1	1	1	0	0	0	24	0	1	3
	1200		1002.1		1004.9	100.4	73.0	54.7	15.2		22		1.7		1	1	0	1	1	20	0	1	5
Karachi (Airport)	0000	73	1005.4		1008.0	72.8	69.4	66.2	23.1		83		2.7		1	0	0	0	1	5	11	2	10
	0300		1006.9		1009.4	76.9	71.1	66.5	23.2		73		3.2		1	0	0	0	0	8	14	1	6
	1200		1004.3		1006.8	88.3	73.9	64.6	21.6		47		2.4		0	0	0	0	2	22	6	0	0
Karachi (Manora)	0000	13	1007.3		1007.8	75.7	72.3	70.5	25.4		86		1.7		0	1	0	0	0	3	20	3	3
	0300		1008.8	+0.1	1009.3	77.8	73.1	70.4	26.1	+0.1	79	—4	3.6	+1.5	0	0	0	0	0	4	19	3	4
	1200		1006.4		1006.9	82.5	76.3	73.4	28.5		74		3.4		0	0	0	0	0	11	19	0	0
Sadin	0000	31	1006.4		1007.7	72.7	69.2	66.9	22.6		83		0.2		0	0	0	0	0	15	0	0	15
	0300		1008.1	+0.3	1009.1	74.1	68.9	64.9	21.7	—0.6	76	+10	0.5	—0.7	0	0	0	0	0	19	1	1	9
	1200		1004.9		1005.8	99.8	71.4	56.6	13.2		20		0.2		0	0	0	0	1	19	1	3	6
IRAN																							
Lask	0300	13	1009.3		1009.7	74.5	68.6	64.7	21.1		73		1.6	+0.2	1	1	19	0	0	0	4	5	0
	1200		1007.7		1008.1	84.7	74.7	68.8	24.6		61		2.6		0	0	0	1	1	10	17	1	0
ARABIA																							
Muscat	0300	20	1008.6		1009.1	79.6	70.5	64.8	21.4		62		1.4	+0.1	2	1	2	2	0	0	6	8	9
	1200		1007.3		1007.8	82.4	72.8	68.8	23.4		61		2.4		3	2	7	4	2	0	1	10	1
Kuwait*	0600	16	1012.0		1012.6	77.8	65.2	57.1	17.0		52		1.1		8	1	3	2	3	1	4	8	0
	1200		1009.3		1009.8	79.1	68.6	62.6	19.1		56		1.3		5	9	6	5	0	0	2	2	1

(*) Observations recorded at 0600 hrs. G.M.T. insteed of 0300 hrs. G.M.T.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF APRIL, 1953.

SUB-DIVISION AND STATION	Maximum Temperature of the air °F				Minimum Temperature of the air °F				Precipitation (inches)					Wind Velocity (knots)		Weather Number of Day			
	Mean.	Departure from normal.	Highest.	Date.	Mean.	Departure from normal.	Lowest.	Date.	Total of the month.	Departure from normal.	Heaviest fall in 24 hours.	Date.	Days with 0.10 inch or more.	Departure from normal.	Mean.	Departure from normal.	Thunder heard.	Hail.	Visibility of one mile or less: Fog.	Visibility of one mile or less: dust.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
EAST PAKISTAN (NORTH)																				
Pabna	99.7	+2.9	105	18	74.4	+2.8	66	2	1.60	—0.95	0.62	12	4	—0.5						
Rajshahi									1.17	—0.48	1.05	30	1	—1.6						
Sirajgang	96.9		103	17,18	72.3		62	2	5.13	+1.86	2.10	30	6	+1.2	4.2		8			
Bogra	97.4	+1.8	104	17,18,19	72.2	+0.7	62	1, 2	1.29	—0.95	0.71	11	2	—1.5	3.2	+0.8	6			
Dinajpur	97.7	+3.4	109	19	69.4	—0.6	61	1	1.93	—0.21	1.05	27	3	0.0	3.8	+0.7	5		1	
Rangpur									5.75	+2.67	1.45	30	9	+4.6						
EAST PAKISTAN (EAST)																				
Cox's Bazar	92.1	+3.4	94	6 days	75.0	+1.6	69	12	0.43	—3.77	0.29	12	1	—3.2	4.2	+0.7	2			
Chittagong	89.9	+1.1	93	2 & 3	75.3	+2.1	67	12	2.29	—3.64	1.62	12	2	—3.8	(h) 6.3	—0.3	2			
Noakhali (Maijdi)	90.4	+1.4	93	25,26	76.2	—0.2	68	12	2.46	—3.01	1.15	22	4	—1.6						
Brahmanbaria	94.9	+1.8	99	19	74.2	+4.0	65	28	5.46	—1.01	1.76	13	5	—1.9	4.2		4			
Comilla	90.3	—2.0	96	4	74.5	+1.2	65	14	1.20	—4.65	0.45	13	3	—3.5	6.5	+2.2			1	
Narayanganj	94.5	+2.1	99	3	75.7	+1.7	67	28	4.30	—1.10	1.55	28	5	—1.7	4.5	+0.4	2			
Srimangal	93.2	+1.1	97	4,5,19	70.0	+0.7	60	2	10.22	+0.51	4.65	13	8	—1.9	2.3	—1.3	15			
Mymensingh	95.1	+4.0	101	20	72.8	+1.1	67	13	9.40	+3.89	2.73	30	6	—1.1	3.0	+0.6	10			
EAST PAKISTAN (DELTAIC)																				
Faridpur	97.6	+3.8	103	6,17,18	74.1	+1.1	65	2	2.38	—2.29	1.02	25	5	—1.3	x	x	6		1	
Barisal	95.2	+3.2	100	3	77.5	+2.4	68	12	0.92	—3.31	0.56	12	3	—2.3	4.7	+1.6	5		1	
Khulna	95.9	+1.7	102	17	76.5	+1.2	69	25	2.85	—0.06	1.13	25	4	—0.2	3.9	0.0	2			
Jessore	100.2	+3.6	106	17	75.5	+1.9	67	2	0.38	—3.15	0.19	12	2	—2.8	5.8	+3.0			1	
Satkhira	93.2	—3.8	98	4 days	76.9	+1.5	72	12	1.27	—1.66	1.15	22	1	—3.0	3.8	+0.7				

(h) Mean for 23 days.

(x) Data rejected.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF APRIL, 1953.

SUB-DIVISION AND STATION	Maximum Temperature of the Air °F				Minimum Temperature of the Air °F				PRECIPITATION (INCHES)						Wind Velocity (knots)		WEATHER Number of Day				
	Mean.	Departure from normal.	Highest.	Date.	Mean.	Departure from normal.	Lowest.	Date.	Total of the month.	Departure from normal.	Heaviest fall in 24 hours.	Date.	Days with 0.10 inch or more.	Departure from normal.	Mean.	Departure from normal.	Thunder heard.	Hail.	Visibility Code Figure 93 or less: Fog.	Visibility Code Figure 93 or less: Haze (dust)	Visibility Code Figure 93 or less: Dust Storms.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
KASHMIR																					
Srinagar (x)																					
Gulmarg (x)																					
Dras (x)																					
Leh (x)																					
Skardu (x)																					
Gilgit (x)																					
Misgar	53.3	—	67	29,30	*	—	*	—	1.47	—	0.90	13	4	—	5.0	—	0	0	0	0	0
Jammu (x)																					
NORTH PUNJAB																					
Lahore	97.9	+3.4	110	27	66.6	+3.4	55	1	0.29	—0.28	0.13	20	1	—0.6	2.7	+0.4	7	1	0	0	0
Sialkot	96.5	+4.1	108	29,30	68.2	+3.5	56	1	0.15	—0.85	0.15	19	1	—1.1	2.3	+0.4	3	0	0	0	1
Jhelum	96.7	—	109	29	64.6	—	53	1	0.39	—	0.28	19	1	—	2.7	—	4	0	0	1	1
Rawalpindi	91.5	+5.3	104	29,30	62.4	+3.1	52	1	1.53	—0.39	0.49	13	3	—1.1	3.1	+0.7	5	0	0	0	1
Khushab	97.2	+4.3	109	27,29	68.4	+1.7	53	1	0.48	—0.43	0.46	19	1	—1.1	4.1	—0.5	1	0	0	0	2
Lyallpur	95.7	+2.8	108	27	66.5	+2.6	50	1	0.11	—0.36	0.11	30	1	—0.3	3.1	+0.9	4	0	0	0	3
SOUTH PUNJAB																					
Montgomery	97.7	+2.0	109	30	67.5	+0.9	52	1	0.03	—0.31	0.03	10	0	—0.9	2.3	—1.0	1	0	0	0	1
Multan	100.5	+5.2	114	29	71.8	+4.3	54	1	0.00	—0.27	0.00	—	0	—0.8	2.3	+0.6	1	0	0	1	2
Fort Abbas	102.0	—	114	30	59.0	—	46	1	0.00	—	0.00	—	0	—	3.4 (d)	—	0	0	0	0	7
Bahawalpur	100.3	+3.9	112	29	68.7	+3.3	49	1	0.00	—0.18	0.00	—	0	—0.5	2.5	—0.1	2	0	0	0	1
Khanpur	102.7	+4.0	113	29	69.3	+4.6	51	1	0.00	—0.25	0.00	—	0	—0.5	3.9	—0.2	0	0	0	0	0
N.-W. F. P. (Upper)																					
Chakdara	86.5	—	102	29	58.5	—	50	1.20	0.99	—	0.79	12	2	—	4.1	—	0	0	0	0	0
Peshawar	88.5	+3.3	103	29	63.0	+2.5	54	15.20	1.45	—0.31	0.57	19	3	—0.8	3.3	+1.4	10	2	0	0	6
Landikotal	79.9	—	94	29	*	—	*	—	1.67	—	0.61	19	4	—	2.9	—	10	2	0	0	0
N.-W.F.P. (Lower)																					
Bannu	90.6	+2.2	103	24,28	66.3	+4.2	55	1	0.30	—0.68	0.19	12	2	—0.5	3.7		0	0	0	0	0
Miranshah (R)																					
D. I. Khan	*	—	*	—	66.2	+1.0	54	1.14	1.20	+0.51	0.35	19	5	+3.3	2.2	+0.5	7	0	0	0	2
HILL STATIONS (excluding Kashmir & Baluchistan)																					
Murree	66.5	+1.2	79	29	49.7	+2.8	36	19	4.70	+0.57	2.16	13	6	—1.1	5.9	—0.7	8	0	0	0	0
Cherat	77.4	+5.3	91	29	59.7	+3.9	47	19	1.75	—1.03	0.70	19	5	+0.3	X	—	0	0	1	0	0
Drosh	73.0	+4.1	88	28	52.1	+3.7	43	14	3.35	—0.73	0.65	13	9	+0.9	2.8	+0.2	4	0	0	0	0
Parachinar	73.1	+4.4	85	28,29	50.1	+3.2	40	20	2.73	—1.30	1.19	12	5	—3.7	3.5	+1.1	2	0	0	0	0
Wana	81.9	+5.2	95	29	*	—	*	—	0.15	—1.22	0.11	12	1	—2.8	3.1	—	0	0	0	0	0

(*) Data rejected.
(R) Register not received.

(x) Data not available.
(a) Mean for 27 days.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF APRIL 1953

SUB-DIVISION AND STATION	Maximum Temperature of the Air °F				Minimum Temperature of the Air °F				Precipitation (inches)						Wind Velocity (knots)		Weather Number of Days				
	Mean.	Departure from normal.	Highest.	Date.	Mean.	Departure from normal.	Lowest.	Date.	Total of the month.	Departure from normal.	Heaviest fall in 24 hours.	Date.	Days with 0.10 inch or more.	Departure from normal.	Mean.	Departure from normal.	Thunder heard.	Hail.	Visibility Code Figure 93 or less: Fog.	Haze (dust)	Dust Storm
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
AFGHANISTAN																					
Jalalabad	89.0	—	103	29	60.1	—	50	1,20	0.98	—	0.55	13	3	—	2.8	—	0	0	0	0	0
Kabul	71.2	+5.9	83	28,29	46.2	+3.5	37	20	0.73	−2.57	0.38	12	2	−4.3	3.1	+1.1	5	0	0	0	0
Kandhar	84.6	—	97	29	50.7	—	38	1	0.40	—	0.31	12	1	—	1.0	—	0	0	0	0	0
BALUCHISTAN (North)																					
Fort Sandaman	83.1	+2.8	95	28,29	57.3	+2.8	45	1	1.25	+0.31	1.10	12	1	−2.1	3.0	+0.3	1	2			
Hindubagh	78.9		96	27	49.4		30	24	0.57	—	0.51	12	1	—	3.9	—					
Loralai	82.7		94	28,30	53 6		39	1	0.50	−0.45	0.50	12	1	−1.4	3.4		2				
Harnai									0.08	−0.67	0.08	13	0	−1.9							
Sibi	103.1	+5.4	115	28,29	73.6	+3.5	53	1	0.00	−0.11	0.00	—	0	−0.4	2.2	−1.1					
Quetta	77.6		90	29	44.3		31	1	0.38		0.16	12	1		3.7	+0.9		1	1		
Quetta (Samungli)	79.2		92	29	43.0	—	31	12,15	0.28		0.14	12	1		4.3	—	1	0			
Chaman	81.3	+2.7	94	26,28,30	57.8	+1.8	49	13,14,20	0.58	−0.19	0.25	13	3	+1.0	4.8	−0.2					
Nushki	89.6	—	104	28,29	63.6	—	53	14	0.26	—	0.17	12	1	—	x	—					
Kalat	74.6	+3.6	88	29	45.3	+1.8	34	2,14,15	0.19	−0.37	0.10	8	1	−0.8	4.1	−0.5					
Dalbandin	90.9	+1.7	105	29	59.4	+1.5	42	1	0.25	−0.05	0.25	12	1	+0.3	4.1	−0.2		1			
Nokkundi	93.8	+3.6	109	28	66.3	+3.2	57	12,15	0.19	−0.16	0.19	12	1	+0.6	5.6	−0.8	1				
BALUCHISTAN (South)																					
Lasbella	103.7	+6.0	112	25	*	*	*	*	0.25	−0.29	0.25	18	1	−0.2	3.0	+0.5					
Ormora	88.6	−1.0	97	4	72.6	−0.5	60	2	0.00	−0.60	0.00	—	0	−0.8	11.2	+1.6					
Pasni	90.2	−0.5	96	3,16,24	68.1	+0.3	57	1	0.00	−0.40	0.00	0	0	−0.5	8.1	+1.5			6		
Turbat	102.6	—	110	27,28	70.9	—	56	1	0.28	—	0.28	12	1	—	5.8	—					
Panjgur	89.2	+0.7	101	29	52.7	−6.5	37	1	0.15	−0.24	0.15	12	1	+0.2	3.9	−0.8				1	
SIND (Upper)																					
Reti (R)																					
Jacobabad	103.2	+3.6	115	29	70.9	+0.2	56	1	0.00	−0.17	0.00	—	0	−0.5	5.6	+0.9				1	
Sukkur	102.3	+4.1	113	28	70.3	+1.9	54	1	0.00	−0.10	0.00	—	0	−0.4	2.5	−0.9					
Padidan	102.6		115	29	68.8		50	1	0.00		0.00	—	0		4.2						
SIND (Lower)																					
Umarkot	103.6		111	25	68.1		50	2	0.00		0.00		0		5.7						
Chhor	102.2		110	25	67.6		49	1	0.00		0.00		0		4.7						
Hyderabad	103.4	+1.6	112	25	67.2	−4.7	48	21,22	0.00	−0.07	0.00	—	0	−0.2	5.0	−0.6					
Karachi (Airport)	93.2		108	24	71.3		56	1	0.00		0.00		0		7.9						
Karachi (Manora)	86.4	+1.0	104	24	74.6	+0.4	63	12	0.00	−0.15	0.00	—	0	−0.2	7.6	−0.8					
Badin	102.7	+2.3	110	25,26	x		x	x	0.00	0.00	0.00	—	0	0.0	4.8						
IRAN																					
Jask	85.9	−0.7	94	29	71.1	−1.3	64	2	0.05	−0.19	0.05	11	0	−0.5	8.3	+1.1					
ARABIA																					
Kuwait*	84.5		102	21	69.9		63	1	0.54		0.44	9	2		6.6						
Muscat	85.4	−2.9	97	30	74.6	−1.8	71	12	0.00	−0.34	0.00	—	0	−0.8	3.4	0.0	1		2		

(R) Register not received. (*) Data not available. (x) Observations recorded at 0060 hrs. G.M.T. instead of 0030 hrs. G.M.T.

REGD. No. S-1452.

PAKISTAN WEATHER REVIEW 1953,

MONTHLY WEATHER REPORT

MAY

(PUBLISHED BY AUTHORITY OF THE GOVERNMENT OF PAKISTAN)

Chief features:—

(1) Fairly widespread rainfall over the northern parts of West Pakistan towards the end of the third and throughout the fourth weeks.

(2) Marked spell of wet weather over East Pakistan during the first fortnight with active thundersqualls in the second week.

WEST PAKISTAN: Due to the eastward passage of a western disturbance across the northern parts of West Pakistan light rain and thunderstorms occurred in Baluchistan, the North-West Frontier Province and the Punjab between the 4th and the 8th. A few dust/thunderstorm and light to moderate rain was reported from the northern parts of West Pakistan between the 10th and the 19th in association with the passage of four western disturbances across this area of country.

Two other western disturbances moved across the northern parts of West Pakistan in quick succession between the 20th and the 25th and caused fairly widespread rainfall in the North-West Frontier Province and the Punjab and a few falls in Baluchistan during the above period. Scattered duststorms were also reported from the south Punjab.

Fairly widespread rainfall occurred over the North-West Frontier Province, the Punjab and north Baluchistan in the second half of the fourth week due to the movement of another western disturbance across the country.

Towards the end of the month, a secondary western disturbance moving from Baluchistan to the Punjab and the North-West Frontier Province caused a few thundershowers in lower Sind on the 29th and in the North-West Frontier Province on the next two days.

Chief amounts of rainfall during the month were:—Cherat ½" on the 8th; Murree ¾" on the 16th; Montgomery ½" on the 17th; Cherat 2" on the 27th; Murree ½" on the 19th and the 20th; Drosh and Parachinar 1" each on the 21st; Las Bela 1½" and Parachinar ½" on the 22nd; Las Bela ½" on the 25th; Quetta ½" Khanpur 1", Drosh, Harnai, Sibi, Las Bela and Reti ½" each on the 26th; Drosh and Landikotal 1" each, Jhelum, Rawalpindi, Chakdara, Cherat, Fort Sandeman and Loralai ½" each on the 27th and Drosh and Parachinar ½" each on the 28th.

The mean rainfall during the month was in large excess over the south Punjab, south Baluchistan and upper Sind, in moderate excess over north Baluchistan, in slight excess over the upper North-West Frontier Province and in moderate defect elsewhere over the region outside lower Sind where it was in large defect. Averaged over the plains of West Pakistan it was in slight excess.

The mean maximum and minimum temperatures were normal over the region except in the north Punjab and the lower North-West Frontier Province where the mean minimum temperatures were above normal. The mean relative humidity was in excess over lower Sind and normal elsewhere. Skies were more clouded than usual in upper Sind and North Baluchistan and normally clouded elsewhere over the region outside lower North-West Province, where they were less clouded than usual.

EAST PAKISTAN: Due to the accentuation of the seasonal trough of low over west Bengal, there was a continuous spell of wet weather over East Pakistan throughout the first fortnight with active thundersqualls in the second week. According to the press reports, the fierce squalls of gale force wrought a havoc in many districts of East Pakistan uprooting innumerable trees, blowing off many houses killing ten persons, and derailing a train.

The seasonal trough of low persisted over west Bengal during the second fortnight resulting in continuance of rainfall activity over East Pakistan.

Some of the noteworthy amounts of rainfall recorded during the month were:—Cox's Bazar 3" on the 2nd; Srimangal, Satkhira and Jessore 3" each on the 3rd; Sirajganj 3" on the 5th; Brahmanbaria 4", Barisal 3" on the 9th; Rangpur and Mymensingh 3" each on the 11th; Cox's Bazar and Chittagong 3" each on the 12th; Narayanganj 3" on the 14th; Srimangal 4" on the 18th; Chittagong 6", Cox's Bazar and Noakhali 3" each on the 19th; Narayanganj 3" on the 20th and Chittagong and Noakhali 4" each on the 21st.

The mean rainfall during the month was in moderate excess over the Eastern sub-division, normal over the Deltaic sub-division and in moderate defect over the Northern sub-division. Averaged over the region it was in slight excess.

The mean maximum and minimum temperatures and relative humidity were normal over the region. Skies were normally clouded in the Deltaic sub-division and more clouded than usual elsewhere over East Pakistan.

Table I contains the Divisional and Sub-divisional means of rainfall, temperature, humidity and cloud for the 5 chief divisions and 12 sub-divisions of Pakistan. These means are based on the observations at the stations whose monthly means are given in the subsequent tables.

TABLE I.—DIVISIONAL AND SUB-DIVISIONAL MEANS FOR MAY 1953

Division	PRECIPITATION				DEPARTURE FROM NORMAL OF				
	Actual	Normal	Departure from normal	Percentage departure from normal	Maximum temperature	Minimum temperature	03 hrs. G.M.T.		
							Vapour pressure	Relative humidity	Cloud
1	2	3	4	5	6	7	8	9	10
	"	"	"		°	°	mb.	%	
East Pakistan	10.82	9.63	+1.19	+12	+0.5	+0.9	+1.7	+2	+1.1
Mean of East Pakistan	10.82	9.63	+1.19	+12	+0.5	+0.9	+1.7	+2	+1.1
(1) Punjab	0.65	0.59	+0.06	+10	+1.0	+2.7	+0.8	+2	—0.1
(2) N.-W.F.P.	0.48	0.59	—0.11	—19	—0.8	+2.7	0.0	—1	—0.2
(3) Baluchistan	0.58	0.26	+0.32	+123	—0.4	+1.4	—0.3	—1	+0.3
(4) Sind	0.23	0.15	+0.08	+53	—0.5	—1.1	+2.5	+8	+0.6
Mean of West Pakistan excluding Baluchistan	0.49	0.44	+0.05	+11	—0.2	+1.4	+1.3	+3	+0.1
Sub-Division									
East Pakistan (North)	6.50	9.73	—3.23	—33	+0.7	+1.4	+1.8	+1	+0.9
East Pakistan (East)	16.15	12.18	+3.97	+33	+0.3	+0.6	+1.3	+2	+1.3
East Pakistan (Deltaic)	8.53	8.12	+0.41	+5	+0.5	+1.0	+2.2	+3	+0.8
Kashmir (*)	..	..	..	..	—	—	—	—	—
North Punjab	0.49	0.76	—0.27	—35	+1.9	+3.3	+0.6	+1	—0.2
South Punjab	0.95	0.27	+0.68	+244	—0.7	+1.7	+1.1	+3	—0.1
N.-W.F.P. (Upper)	0.92	0.77	+0.15	+19	—0.4	+1.4	+1.4	+3	0.0
N.-W.F.P. (Lower)	0.26	0.50	—0.24	—48	—0.9	+3.3	—0.7	+3	—0.3
Baluchistan (North)	0.41	0.32	+0.09	+28	0.0	+1.6	—0.1	—1	+0.5
Baluchistan (South)	0.93	0.13	+0.80	+615	—1.1	+0.6	—0.7	—1	—0.1
Sind (Upper)	0.49	0.14	+0.35	+250	+0.2	—0.3	—0.1	+3	+1.7
Sind (Lower)	0.05	0.16	—0.11	—69	—1.0	—1.7	+4.1	+11	—0.1
Junagadh*									

* Data incomplete.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF MAY 1953

SUB-DIVISION AND STATION	Hours of observation.	Height of bar cistern above mean sea level.	Mreaess Pnure			MEAN TEMPERATURE OF THE AIR AND HUMIDITY							Total Cloud Amount		Wild Direction Number of Observations From :—								
			Station level reduced to standard temperature and gravity.	Departure from normal.	Reduced to standard temperature and M.S.L. or nearest Gpkm. level.	Dry bulb.	Wet bulb.	Dew point.	Vapour pressure.	Departure from normal.	Relative humidity.	Departure from normal.	Mean amount.	Departure from normal.	N	NE	E	SE	S	SW	W	NW	Calm.
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas										
EAST PAKISTAN (NORTH)																							
Pabna	0300					84.9	80.1	78.0	32.7	+1.5	79	0											
Sirajganj	0000	49	1001.6		1003.3	78.1	76.7	76.0	30.5		93		5.2		0	0	6	8	6	0	0	0	11
	0300		1003.1		1004.7	83.9	79.7	77.7	33.2		83		5.7		0	0	1	19	9	0	0	0	2
	1200		998.7		1000.4	85.2	79.8	77.3	31.9		77		4.7		0	0	2	8	7	1	0	3	10
Bogra (x)	(*) 0000	65*	1001.2		1003.4	78.9	76.3	75.1	30.0		89		5.8		1	0	4	2	3	0	0	1	20
	0300	63	1002.7	—1.1	1004.8	83.5	78.6	76.3	30.5	+1.7	79	+2	5.9	+1.6	1	0	10	13	1	6	0	0	0
	1200		998.1		1000.2	87.6	78.7	74.4	29.8		65		4.5		0	1	11	11	4	3	0	0	1
Dinajpur	0000	123	1000.8		1005.1	76.9	74.7	73.3	28.7		91		4.2		0	6	9	1	0	0	0	0	15
	0300		1002.2	+0.6	1006.4	83.3	77.8	75.6	29.7	+2.1	77	0	4.7	+0.3	0	1	20	0	1	0	0	0	9
	1200		997.6		1001.8	88.9	79.7	75.4	30.9		66		2.1		0	7	8	0	0	0	0	0	16
EAST PAKISTAN (EAST)																							
Cox's Bazar	(x) 0000	10*	1005.7		1006.0	78.5	77.2	76.5	31.5		93		5.1		0	2	15	4	8	1	0	0	1
	0300	38	1006.6	+0.8	1007.9	85.7	79.8	77.2	32.3	+0.9	76	—2	5.2	+0.8	0	1	0	6	17	1	0	0	5
	1200		1003.8		1005.1	84.2	79.1	77.0	31.6		79		4.5		0	0	0	3	17	2	0	0	8
Chittagong	0000																						
	0300	87	1004.1	+0.1	1007.1	83.9	78.5	75.6	30.8	+0.4	77	0	5.8	+1.4	1	1	4	16	8	0	0	0	1
	1200		1000.8		1003.6	84.7	79.8	77.3	32.7		79		5.7		0	0	2	4	16	8	0	0	0
Noakhali (Maijdi)	0000	25	x		x	80.0 (a)	77.6 (a)	76.2 (a)	31.1 (a)		89		4.8		0	0	1	12	1	0	0	0	17
	0300		x		x	84.3	79.3	76.9	31.6	—0.2	79	0	4.6	+0.7	0	0	1	14	0	0 (a)	0	0	15
	1200		x		x	85.8	79.7	76.9	32.3		75		5.5		0	0	0	24	0	2	1	1	4
Brahmanbaria	0000	32	1003.6		1004.7	77.9	76.3	75.6	30.5		93		4.1		1	0	3	9	5	1	0	0	10
	0300		1005.1		1006.2	84.1	79.1	76.8	31.6	+2.7	79	+4	4.4		0	0	5	6	14	1	0	0	5
	1200		1001.7		1002.8	84.4	79.3	77.2	31.6		79		3.2		0	0	1	6	13	1	0	0	8
Comilla	0000	29	1004.4		1005.4	78.2	76.3	75.3	31.9		91		5.8		0	0	1	0	10	0	0	0	19
	0300		1005.0	—0.7	1006.0	83.7	78.8	76.7	31.6	+0.6	79	+4	5.6	+1.8	0	1	0	14	13	0	0	0	3
	1200		1002.3		1003.3	84.5	79.0	76.5	31.9		77		5.1		0	1	0	11	13	1	0	0	5
Narayanganj	0000	26	1003.9		1004.8	79.7	77.1	76.0	31.1		89		5.9		1	1	6	5	13	0	0	0	2
	0300		1004.9	—0.6	1005.8	85.1	79.7	77.6	31.9	+1.1	77	0	6.1	+1.3	0	0	5	6	18	0	1	1	0
	1200		1001.4		1002.3	84.4	78.3	75.1	30.0		75		4.7		0	0	5	6	17	1	0	0	1
Srimangal	0000	69	1003.2		1005.6	73.5	72.6	71.7	26.4		95		5.7		1	0	1	2	1	2	0	0	24
	0300		1004.3	—0.4	1006.7	79.8	76.4	74.8	29.6	+0.7	85	+4	5.8	+1.6	2	0	4	4	10	1	0	0	10
	1200		1000.5		1002.8	83.2	78.3	76.3	30.5		79		5.4		0	1	3	3	13	3	1	0	7
Mymensingh	0000	62	1002.8		1005.0	73.7	72.1	71.3	26.6		93		5.9		0	0	15	0	0	0	0	0	16
	0300		1004.2	—0.8	1006.2	82.3	78.8	77.3	31.7	+3.1	85	+6	6.2	+1.0	0	1	23	0	0	0	0	0	7
	1200		1000.0		1002.3	85.0	82.6	78.0	36.8		89		5.8		0	0	16	0	0	0	2	0	13

(*) Observations recorded by P.B. staff at a distant site.

(x) Data not available.

(g) Mean for 30 days.

(f) Observation for 25 days.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF MAY 1953

SUB-DIVISION AND STATION	Hours of observation	Height of bar cistern above mean sea level	Mean Pressure			Mean Temperature of the Air and Humidity							Total Cloud Amount		Wind Directions Number of Observations From :—								
			Station level reduced to standard temperature and gravity	Departure from normal	Reduced to standard temperature and M.S.L. or nearest Gpm level.	Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Mean	Departure from normal	N	NE	E	SE	S	SW	W	NW	Calm
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
EAST PAKISTAN (DELTAIC)	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas										
Faridpur	0000		1001.6		1003.2	78.9	77.9	77.3	22.3		95		5.5		0	1	0	4	13	1	0	0	12
	0300	46	1004.2	—0.1	1005.8	85.[illegible]	80.9	78.9	34.3	+3.0	83	+6	5.5	+1.4	1	1	0	8	19	2	0	0	0
	1200		1000.1		1001.7	87.4	80.9	78.1	32.6		74		4.2		0	0	1	7	13	3	0	0	7
Barisal	0000		1003.8		1004.2	80.1	78.5	78.1	32.6		93		5.6		0	0	1	4	7	1	0	0	18
	0300	11	1005.3	—0.5	1005.7	87.1	81.2	78.8	33.4	+1.1	76	+1	5.3	+0.8	0	1	0	11	14	3	0	0	2
	1200		1001.9		1002.3	86.3	80.2	78.5	32.3		76		5.2		0	2	0	6	18	1	1	0	3
Khulna	0000		1003.4		1003.9	80.5	78.7	77.7	32.9		91		3.8		0	0	0	6	5	2	0	0	18
	0300	16	1005.0	—0.2	1005.6	86.7	81.4	79.8	34.2	+2.3	78	+3	4.9	—0.2	0	3	0	10	10	5	0	0	3
	1200		1001.7		1002.3	88.0	80.5	77.1	32.1		71		2.8		0	2	1	7	5	12	0	0	4
Jessore	0000		1002.3		1003.1	79.7	78.4	77.9	32.6		93		3.9		0	1	8	2	9	3	2	0	6
	0300	26	1003.6	—1.2	1004.5	86.6	81.8	79.6	35.1	+3.3	80	—3	4.7	—0.4	1	1	6	3	16	4	0	0	0
	1200		1000.1		1001.0	89.0	81.0	77.3	32.5		69		3.3		1	0	8	1	15	1	3	0	2
Satkhira	0000		1002.5		1003.0	81.4	79.2	78.1	32.9		91		5.5		0	3	0	12	1	5	0	2	[illegible]
	0300	16	1003.8	—1.0	1004.3	87.5	81.7	79.0	33.4	+1.2	76	+2	5.6	+1.6	1	0	1	9	9	10	0	0	1
	1200		1000.3		1000.9	89.8	80.5	77.4	31.2		65		5.3		0	2	1	13	2	10	0	0	3
KASHMIR																							
Srinagar (X)	0000	5205																					
	0300																						
	1200																						
Gulmarg (X)	0000	8709																					
	0300																						
	1200																						
Dras (X)	0000	10059																					
	0300																						
	1200																						
Leh (X)	0000																						
	0300																						
	1200																						
Skardu	0000	7505																					
	0300																						
	1200																						
Gilgit	0000	4890																					
	0300																						
	1200																						
Misgar	0000	10190	699.2		708.4	43.6	36.7	27.9	5.0		54		3.0		0	0	3	0	0	0	4	0	24
	0300		699.8	—	708.9	46.5	38.0	26.7	5.2	—	48	—	2.7	—	0	0	6	0	0	0	1	0	24
	1200		696.3		705.0	61.7	43.5	20.5	5.0		22		3.3		0	0	25	0	0	0	5	0	1

(x) Data not available.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF MAY 1953

SUB-DIVISION AND STATION	Hours of observation	Height of bar cistern above mean sea level	Mean Pressure: Station level reduced to standard temperature and gravity	Mean Pressure: Departure from normal	Mean Pressure: Reduced to standard temperature and M.S.L. or nearest 0pm. level.	Mean Temperature of the Air and Humidity: Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Total Cloud Amount: Mean amount	Departure from normal	Wind Directions Number of Observations From :— N	NE	E	SE	S	SW	W	NW	Calm.
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
KASHMIR—contd.																							
Jammu (X)	0000																						
	0300																						
	1200																						
Kargil (x)	0000																						
	0300	8790																					
	1200																						
NORTH PUNJAB																							
Lahore	0000	702	977.8		1001.8	78.9	66.3	57.4	16.4		49		1.8		2	5	0	0	0	1	2	2	19
	0300		979.1	+0.3	1002.8	87.5	69.7	58.0	16.7	+1.2	37	+1	1.5	0.0	2	5	1	2	1	2	3	7	8
	1200		976.2		999.1	103.5	72.6	51.5	13.3		18		1.3		1	4	0	0	0	3	9	10	4
Sialkot	0000	830	973.7		1001.9	82.0	66.3	54.9	15.0		41		2.3		3	16	1	0	0	0	2	7	2
	0300		974.3	—0.4	1002.0	88.4	69.0	56.1	15.5	+0.2	33	—5	2.5	+1.3	1	5	0	1	0	1	0	6	17
	1200		971.6		998.6	102.4	73.7	55.3	15.4		22		2.7		0	1	0	0	0	4	5	9	12
Jhelum	0000	765	976.1		1002.3	87.2	63.8	52.7	13.8		43		3.4		1	0	0	0	1	2	1	12	14
	0300		977.0	—	1002.8	86.7	67.6	53.9	14.4	—	35	—	2.9	—	1	1	4	0	1	3	1	9	11
	1200		973.9		998.7	101.6	71.5	50.2	12.6		19		3.2		2 (a)	0	0	4	2	9	1	8	5
Rawalpindi	0000	1676	(a) 947.0		(a) 892.2	a 74.1	a 61.5	a 52.5	a 13.6		a 47		a 2.5		0	0	0	0	1	0	2	0	27
	0300		947.5	0.0	893.8	84.9	65.2	51.5	13.2	—1.0	31	—2	2.3	+0.6	0	1	0	0	1	0	4	0	25
	1200		945.1		892.7	96.8	67.3	45.7	10.8		18		3.2		1	0	0	1	1	2	7	0	19
Khushab	0000	616	980.7		1001.8	78.9	64.5	53.9	14.3		41		1.5		6	12	5	0	1	2	2	2	1
	0300		981.9	—0.3	1002.7	86.7	67.7	54.1	14.6	—0.1	34	0	1.2	—0.1	6	7	7	1	0	3	3	3	1
	1200		978.7		998.8	102.5	70.8	46.5	11.4		17		2.1		1	2	3	7	9	4	2	3	0
Lallypur	0000	605	980.8		1001.5	79.5	66.1	57.2	15.9		45		1.8		4	2	5	2	2	4	2	3	7
	0300		982.1	0.0	1002.6	84.0	68.4	57.9	16.7	+2.3	42	+6	0.7	—1.2	4	3	3	5	1	2	3	1	9
	1200		979.2		999.1	102.1	73.4	54.6	15.2		23		0.7		2	4	3	3	6	4	5	0	4
SOUTH PUNJAB																							
Montgomery	0000	558	982.2		1001.3	78.3	68.1	61.8	18.9		58		1.7		0	4	0	5	0	7	0	0	15
	0300		983.4	—0.1	1002.2	85.6	71.4	62.5	19.9	—1.2	48	—2	0.9	0.0	0	4	1	11	2	6	3	0	4
	1200		980.5		998.7	102.9	76.4	61.6	19.0		27		1.5		0	1	0	11	0	2	4	0	13
Multan	0300	413	988.9		1002.8	86.9	70.2	59.7	17.6	—2.5	41	—6	2.5	+1.7	8	0	0	0	9	6	2	1	5
	1200		985.4	+0.4	998.8	105.7	72.8	49.3	12.5		16		3.7		2	0	1	0	7	5	4	2	10
Fort Abbas	0000	475	984.6		1000.7	82.0	70.2	62.9	19.9		53		0.2		0	4	0	7	0	10	1	3	6
	0300		986.2	—	1002.3	89.2	72.8	62.9	20.1	—	43	—	0.3	—	0	2	0	9	0	13	2	3	2
	1200		983.0		998.4	105.7	77.4	61.8	19.3		25		0.7		0	1	0	1	2	23	1	3	0

(R) Register not received.

(X) Data not available.

(a) Data for 30 days.

(b) Mean for 23 days.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF MAY 1953

SUB-DIVISION AND STATION	Hours of observation	Height of bar cistern above mean sea level	Mean Pressure: Station level reduced to standard temperature and gravity.	Mean Pressure: Departure from normal	Mean Pressure: Reduced to standard temperature and M.S.L. or nearest Gpm level.	Mean Temperature of the Air and Humidity: Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Total Cloud Amount: Mean amount	Departure from normal	Wind Directions Number of Observations From:— N	NE	E	SE	S	SW	W	NW
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
SOUTH PUNJAB—contd.																						
Bahawalpur	0300	384																				
	1200																					
Khanpur	0300	297	992.4	—0.6	1002.6	85.4	72.6	64.9	21.5	+3.4	51	+8	0.4	—0.2	7	1	0	0	0	21	0	0
			(a)		(a)	(a)	(a)	(a)	a		a		a		(a)							
	1200		989.2		999.0	106.2	74.8	56.6	15.1		19		1.1		0	2	0	0	1	15	4	0
N.-W.F.P. (Upper)																						
Chakdara	0000	2225	928.9		893.6	70.5	59.6	51.2	13.0		51		2.1		0	5	0	0	0	1	0	2
	0300		930.2	—	895.3	76.6	62.7	52.9	13.8	—	44	—	1.9	—	1	6	1	5	1	1	0	1
	1200		927.4		893.5	89.9	68.4	54.5	15.0		31		4.9		0	3	0	2	2	7	2	8
Peshawar	0000	1175	963.6		1003.7	74.6	62.2	52.1	13.5		46		3.0		2	1	0	4	7	7	2	1
	0300		964.9	+0.2	1004.4	84.0	67.5	56.1	15.5	+1.4	39	+3	2.5	0.0	3	3	0	6	1	1	0	3
	1200		962.1		1000.8	92.4	67.8	48.0	12.1		23		6.0		3	5	2	4	0	4	6	5
Landikotal	0000	3503	890.3		897.2	67.3	56.8	47.6	11.5		51		2.3		0	1	0	0	0	0	0	7
	0300		890.9	—	897.8	75.4	60.2	48.2	11.7	—	39	—	1.8	—	1	1	0	4	0	1	0	13
	1200		889.1		895.8	82.2	62.6	47.6	11.4		31		5.2		2	3	0	15	0	2	0	8
N.-W.F.P. (Lower)																						
Bannu	0000	1264	959.6		1002.4	77.1	62.9	51.2	13.2		42		0.4		1	1	1	1	1	0	11	13
	0300		960.8	—	1003.2	84.3	67.2	54.8	15.0	+0.6	37	—2	0.5	—0.5	1	0	1	2	1	1	7	17
	1200		957.9		999.4	94.6	69.4	50.5	13.1		24		2.8		1	5	2	12	2	4	3	1
Miranshah (R)	0000	3026																				
	0300																					
	1200																					
D. I. Khan	0000	570	982.2		1001.7	80.2	66.9	57.4	16.1		46		1.0		5	9	2	0	0	1	0	3
	0300		984.8	+1.2	1004.2	83.5	68.7	59.5	17.3	—1.9	43	—4	0.9	—0.1	6	6	0	0	1	0	1	2
	1200		981.5		1000.1	102.8	71.7	52.0	12.4		18		3.2		4	4	2	3	4	3	2	1
HILL STATIONS (excluding Kashmir & Baluchistan)																						
Murree	0000	7113	782.1		797.7	59.7	49.0	38.6	8.0		46		3.7		1	14	4	3	0	1	1	7
	0300		783.4	0.0	798.8	65.6	51.9	39.1	8.3	—0.2	39	—2	4.1	+2.1	1	6	11	4	1	0	4	3
	1200		782.6		798.0	59.5	54.5	42.1	9.1		37		5.5		0	8	5	2	0	3	6	5
Cherat	0000	4272	*		*	70.1	56.1	43.5	9.8		39		1.0		3	13	0	7	3	0	0	5
	0300		*	—	*	72.5	57.2	44.4	9.8	—0.4	35	—6	1.1	—0.6	2	14	0	2	2	0	0	11
	1200		8		*	80.6	60.5	43.7	9.9		28		4.7		1	11	0	6	0	4	1	8
Drosh	0000	4806	852.9	+0.1	900.4	60.9	52.7	44.8	10.3	+0.4	56	0	3.4	+2.1	0	1	7	1	0	0	0	0
	0300		853.3		900.5	64.1	55.4	47.7	11.5		57		4.1		0	7	4	0	0	0	0	0
	1200		850.1		896.2	75.5	58.1	9.5	41.7		31		5.9		1	5	2	2	3	11	3	0

(R) Register not received.

(*) Data rejected.
(a) Data for 30 days.

SUB-DIVISION AND STATION	Hours of observation.	Height of bar cistern above mean sea level.	MEAN PRESSURE: Station level reduced to standard temperature and gravity.	MEAN PRESSURE: Departure from normal.	MEAN PRESSURE: Reduced to standard temperature and M.S.L. or nearest Gpm. level.	MEAN TEMPERATURE OF THE AIR AND HUMIDITY: Dry bulb.	Wet bulb.	Dew point.	Vapour pressure.	Departure from normal.	Relative humidity.	Departure from normal.	TOTAL CLOUD AMOUNT: Mean amount.	Departure from normal.	WIND DIRECTION NUMBER OF OBSERVATIONS FROM :— N	NE	E	SE	S	SW	W	NW	Calm.
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
HILL STATIONS (excluding Kashmir and Baluchistan)—contd.	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas										
Parachinar	0000	5673	823.7		796.7	58.1	50.2	43.3	9.4		58		2.3		17	1	1	0	1	1	0	3	7
	0300		824.5	+0.2	798.0	67.1	54.9	40.1	10.3	+0.5	47	+1	1.9		2	1	0	0	0	1	1	0	26
	1200		823.2		797.1	63.2	56.5	43.1	9.5		35		5.7		0	6	2	1	2	1	1	0	18
Wana	0300	4503	859.7	—	897.2	72.1	*	*	*	—	*	—	1.1	—0.4	0	1	0	0	0	0	0	0	30
	1200		856.7		893.0	82.6	*	*	*		*		3.9		0	6	0	9	0	1	1	0	14
AFGHANISTAN																							
Jalalabad	0300	1950	935.3	—	891.2	79.6	65.8	59.2	16.1	—	47	—	2.0	—	2	4	1	0	0	1	9	1	13
	1200		932.6		889.8	90.9	72.1	62.3	19.4		39		4.6		0	7	5	5	1	2	6	0	5
Kabul	0300	5955	820.2	—	802.3	62.1	52.6	44.6	10.2	+1.3	53	+6	2.9	+1.1	1	2	0	0	8	11	4	1	4
	1200		818.2		800.9	73.0	56.2	43.1	9.4		33		3.3		4	3	2	3	2	4	6	4	3
Kandhar	0300	3462	887.7	—	893.3	68.8	59.1	51.6	13.2	—	56	—	1.3	—	0	0	0	1	0	0	0	0	30
	1200		884.8		890.2	87.0	66.5	53.0	13.9		31		2.3		0	0	0	0	0	15	0	0	16
BALUCHISTAN (NORTH)																							
Fort Sandeman	0300	4614	856.8	+0.4	897.6	74.0	56.1	34.1	8.1	—1.0	28	—26	2.2	+1.0	0	0	0	3	1	1	2	0	24
	1200		855.1		894.4	87.7	59.8	29.7	6.4		13		2.7		0	0	1	2	1	7	3	0	17
Hindubagh	0000	5909	818.1		798.9	60.0	53.4	47.7	11.7		66		0.8		0	0	0	0	1	2	14	2	12
	0300		818.9		800.0	70.8	59.4	51.5	13.0	—	52	—	2.2	—	0	0	0	0	2	12	4	0	13
	1200		816.6		798.1	80.6	68.2	61.9	18.9		53		3.7		0	1	0	0	0	9	19	1	1
Loralai	0000	4699	852.6		896.5	63.0	52.0	38.7	8.8		45		1.7		0	0	0	0	1	0	23	0	7
	0300		854.2		897.4	72.9	57.5	43.3	9.8		44		2.4		0	0	0	0	1	1	24	0	5
	1200		851.3		893.3	84.6	60.5	37.2	8.3		21		5.7		0	0	3	0	10	6	11	0	1
Sibi	0000	441	986.0		1000.9	84.1	66.5	53.1	14.3		36		1.4		0	0	0	0	0	1	0	0	30
	0300		987.7	+0.4	1002.5	89.1	69.9	55.6	16.1	+3.5	34	+6	1.2	+0.2	0	1	0	1	1	2	0	1	25
	1200		983.8		998.0	107.3	74.5	51.5	13.9		17		3.7		1	0	2	5	4	12	2	2	4
Quetta	0300	5490	a 830.2	—1.3	799.2	68.8	58.2	44.9	12.4	—0.1	54	0	1.9	+0.9	1	0	0	1	2	1	0	1	28
	1200		a 827.8		797.7	81.2	61.8	47.0	11.6		32		4.4		3	1	0	0	3	3	7	10	2
Quetta (Samungli)	0000	5253	838.6		799.8	55.7	49.1	42.5	9.5		63		1.0		0	0	6	15	1	3	3	0	3
	0300		839.4		801.3	68.4	53.4	46.5	8.6		36		1.8		1	0	3	7	0	5	3	3	9
	1200		837.4		800.5	83.7	63.4	50.2	12.2		31		4.0		2	0	2	2	1	3	13	8	0
Chaman	0000	4311	864.6		896.3	69.6	55.6	42.4	9.4		39		1.1		1	2	11	10	2	2	1	1	1
	0300		866.2	—0.2	897.4	77.6	60.1	45.6	10.6	+1.1	33	0	0.6	—0.4	0	1	3	7	4	8	5	1	2
	1200		863.9		894.4	88.7	63.5	41.7	9.8		22		1.2		3	0	1	0	0	6	16	5	0
Nushki	0000	3416	898.8		902.9	76.3	59.6	44.0	10.6		38		0.0		4	5	8	2	1	1	0	0	10
	0300		899.6		903.7	80.5	61.9	46.1	11.4		32		0.0		4	5	13	1	3	5	0	0	0
	1200		897.3		901.2	96.1	67.0	45.4	10.8		19		0.7		2	0	0	1	3	11	9	5	0

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF MAY 1953

SUB-DIVISION AND STATION	Hours of observation.	Height of bar cistern above mean sea level.	MEAN PRESSURE: Station level reduced to standard tempatrue and gravity.	MEAN PRESSURE: Departure from normal.	MEAN PRESSURE: Reduced to standard temperature and M.S.L. or nearest Gpm. level.	MEAN TEMPERATURE OF THE AIR AND HUMIDITY: Dry bulb.	Wet bulb.	Dew point.	Vapour pressure.	Departure from normal.	Relative humidity.	Departure from normal.	TOTAL CLOUD AMOUNT: Mean amount.	Departure from normal.	WIND DIRECTION NUMBER OF OBSERVATIONS FROM :— N	NE	E	SE	S	SW	W	NW	
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
BALUCHISTAN (NORTH)—contd.	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas										
Kalat	0000	6616	798.4		800 0	54.0	45.1	56.2	1.0		49		0.5		0	0	0	0	23	0	0	2	6
	0300		799.5	+0.6	801.1	65.0	53.2	42.7	9.1	—1.5	44	0	0.5	—0.3	0	0	0	0	19	0	0	2	10
	1200		797.8		800.0	76.3	57.8	42.7	9.5		31		3.5		7	1	1	0	2	0	3	11	6
Dabbandin	0000	2785	912.0		896.1	73.6	56.2	39.3	8.3		29		1.8		0	8	2	3	0	2	3	7	6
	0300		913.3	—0.1	897.5	78.2	58.7	40.7	8.9	—1.5	27	—5	2.0	+1.1	1	4	4	0	1	3	1	3	14
	1200		910.2		895 1	96 3	64.8	36.7	8.1		14		4.1		2	2	2	4	2	11	2	4	2
Nokkundi	0000	2229	929.1		895 7	78.7	62.0	48.8	12.3		36		0.0		14	3	1	0	0	0	0	12	1
	0300		930.4		897.3	85.7	66.4	53.1	14.4	—1.1	33	—7	2.3	+1.3	8	5	3	2	2	1	2	8	9
	1200		927.4		895.4	100.8	75.6	58.6	20.1		30		4.7		6	0	3	4	3	3	4	8	0
BALUCHISTAN (South)																							
Lasbela	0000	292	995.4		1005.5	77.3	73.9	71.3	26 6		84		1.2		1	0	0	0	0	0	0	0	30
	0300		996.8	+1.8	1006.6	80.6	76.9	74.5	30.0	+0.4	85	+10	1.9	+0.5	0	1	1	9	2	0	0	1	17
	1200		993.0		1002 0	96.8	78.5	69.5	24.9		42		1.7		1	0	0	26	0	4	0	0	0
Ormara	0000	15	1003 9		1004.4	80.8	77.4	75.6	30.5		85		1.0		0	0	0	0	0	0	28	1	1
	0300		1005.5		1006.0	82.1	77.1	74.6	29.5	—1.1	79	—4	0.6	—1.4	0	0	0	1	0	1	24	1	4
	1200		1002.7		1003.2	89.3	77.4	71.1	26.5		56		0.4		0	0	0	0	4	6	21	0	0
Pasni	0000	10	1004.9		1005.2	76 3	74.6	73.6	28.5		93		2.7		0	0	1	0	0	0	19	0	11
	0300		1006.0	+0.8	1006.6	82.1	77.0	74.5	29.4	+0.1	79	—2	2.0	+0.3	0	0	1	6	1	2	14	4	3
	1200		1003.3		1003.6	88.3	79.6	75.6	30.5		67		1.5		0	0	0	0	2	26	3	0	0
Turbat	0000	510	988.1		1005.6	76.1	69.0	64.8	21.1		69		0.6		0	3	0	1	0	2	0	3	22
	0300		989.9		1007.1	85.0	77 6	73.8	28.8		70		0.7		2	2	0	2	1	0	2	13	8
	1200		985.3		1001.2	105.2	85.3	74.3	31.9		42		0.6		0	1	0	1	3	13	6	7	0
Panjgur	0000	3177	900.4		897.5	*	*	*	*	*	*	*	1.5		1	3	0	1	1	17	4	4	0
	0300		901.7	+0.7	898.3	75.7	61.6	50.9	13.3	—2.3	45	—9	0.6	0.0	5	13	3	0	0	5	2	1	2
	1200		898.6		895.3	94.5	67.6	48.6	12.4		58		1.7		0	2	0	0	1	14	4	10	0
SIND (Upper)																							
Reti (R)	0000	280																					
	0300																						
	1200																						
Jacobabad	0000	183	995.1		1001.2	82.1	67.6	57.0	16.4		44		0.8		1	6	8	7	4	1	0	3	1
	0300		996.7	+0.4	1003.0	87.1	71.2	60.6	18.7	—5.0	42	—5	0.6	+0.1	0	0	9	9	7	3	1	1	1
	1200		992.8		998.9	108.5	72.8	45.5	11.5		13		2.4		0	0	1	7	11	5	5	2	0
Sukkur	0300	221	995.3	+0.2	1002.9	84.8	75.3	70.5	25.8	+4.9	63	+10	3.7	+3.3	1	7	0	11	11	1	0	0	0
	1200		991.6		998.8	106.5	77.0	60.6	18.2		23		3.5		4	5	0	10	10	1	0	0	1
Padidan	0000	153	996.0		1001.4	79.3	69.8	63.7	20.5		61		0.5		0	0	0	18	6	0	0	0	7
	0300		998.1		1003.0	85.7	73.5	66.8	22.0		54		1.0		0	2	0	14	5	4	0	1	5
	1200		994·3		999.3	108.0	75.9	55.5	16.1		19		3.0		0	3	0	9	4	9	3	0	3

(*) Data rejected.

(R) Register not received.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF MAY 1953

SUB-DIVISION AND STATION	Hours of observation.	Height of bar cistern above mean sea level.	Mean Pressure: Station level reduced to standard temperature and gravity.	Mean Pressure: Departure from normal.	Mean Pressure: Reduced to standard temperature and M.S.L. or nearest 0·1 pm level.	Mean Temperature of the Air and Humidity: Dry bulb.	Wet bulb.	Dew point.	Vapour pressure.	Departure from normal.	Relative humidity.	Departure from normal.	Total Cloud Amount: Mean amount.	Departure from normal.	Wind Direction Number of Observations From: N	NE	E	SE	S	SW	W	NW	Calm.
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
SIND—(Lower)	G.M.T.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%		oktas										
Umarkot	0000	55	1001.8		1003.7	77.8	75.8	75.0	29.5		91		1.2		0	0	0	0	15	16	0	0	0
	0300		1002.8		1004.7	84.9	78.6	76.0	31.0		73		2.2		0	0	0	0	7	24	0	0	0
	1200		999.1		1001.0	104.5	79.8	68.0	23.7		31		0.8		0	0	0	0	3	24	3	1	0
Chhor	0000	19	1002.9		1003.6	78.3	74.6	74.4	28.1		84		1.7		0	0	0	0	2	25	0	0	4
	0300		1004.3		1005.0	82.7	78·1	76.2	30.8		81		2·8		0	0	0	0	2	28	1	0	0
	1200		1000.1		1000.7	102.9	80.3	69.7	25.3		35		0.9		0	0	0	0	0	29	2	0	0
Hyderabad	0000	96	999.5		1002.8	81.6	78.4	76.9	31.7		87		0.1		0	0	0	0	0	28	2	0	1
	0300		1000.8	+0.2	1004.2	85.6	80.5	77.9	33.3	+9.8	79	+20	0.1	—0.4	1	0	0	0	0	28	2	0	0
	1200		998.4		1001.4	103.6	83.5	75.4	30.0		42		0.7		0	0	0	0	0	29	2	0	0
Karachi (Airport)	0000	73	1002.2		1004.7	79.6	76.7	75.2	29.8		87		2.9		0	0	0	0	0	16	11	1	3
	0300		1003.6		1006.1	82.7	77.2	74.8	29.2		77		4.5		0	0	0	0	0	13	17	1	0
	1200		1001.4		1003.9	86.9	79.1	75.7	30.2		69		1.9		0	0	0	0	4	23	4	0	0
Karachi (Manora)	0000	13	1004.1		1004.4	80.0	77.6	76.5	31.1		89		2.5		0	0	0	0	0	3	22	0	6
	0300		1005·7	+0.7	1006.1	82.0	78.6	77.1	31.7	+0.7	85	0	4.0	+1·4	0	0	0	0	0	6	20	1	4
	1200		1003.4		1003.8	85.3	80.2	77·8	33.0		79		3.3		0	0	0	0	0	10	15	0	0
Badin	0000	31	1004.0		1005.1	79.7	76.4	75.0	29.1		84		0.0		0	0	0	0	0	19	0	0	12
	0300		1004.8	+1.6	1005.9	81.2	77.4	75.6	30.4	+1.9	83	+13	0.0	—1.2	0	0	0	0	0	30	0	0	1
	1200		1001.9		1002.8	99.4	78.8	69.0	24.5		37		0·1		0	0	0	0	0	30	0	0	1
IRAN																							
Jask	0300	13	1004.8		1005.3	82.5	74.7	70.5	25.5		67		0.8	+0.2	3	0	7	1	0	2	9	0	2 (g)
	1200		1002.8		1003.2	90.4	76.6	74.6	24.7		50		1.7		0	1	0	0	2	7	15	0 (f)	0 (f)
ARABIA																							
Muscat	0300	20	1005.0		1005.5	87.4	73.6	65.3	21.8		49		0.9	+0.3	0	1	1	1	1	1	3	13	10
	1200		1003.4		1003.9	90.3	76.1	68.4	24.8		50		1.5		4	1	4	2	4	0	1	13	2
Kuwait*	0600	16	1008.8		1009.3	86.6	71.5	63.5	20.0		46		0.0		6	5	0	3	1	0	4	12	0
	1200		1006.0		1006.5	88.9	74·0	65.0	21.8		47		0.3		7	4	5	7	1	0	0	7	0

(*) Observations recorded at 0600 hrs. G.M.T. insteed of 0300 hrs. G.M.T. (g) Mean for 24 days. (f) Mean of 25 days.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF MAY, 1953.

SUB-DIVISION AND STATION	Maximum Temperature of the air °F				Minimum Temperature of the air °F				Precipitation (inches)						Wind Velocity (knots)		Weather Number of Day				
	Mean.	Departure from normal.	Highest.	Date.	Mean.	Departure from normal.	Lowest.	Date.	Total of the month.	Departure from normal.	Heaviest fall in 24 hours.	Date.	Days with 0.10 inch or more.	Departure from normal.	Mean.	Departure from normal.	Thunder heard.	Hail.	Visibility Code Figure 93 or less: Fog.	Visibility Code Figure 93 or less: dust).	Dust Storm.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
EAST PAKISTAN (NORTH)																					
Pabna	93.9	—0.9	102	31	76.5	+2.1	69	21	7.05	—0.30	1.04	5	11	+1.2							
Rajshahi									3.00	—2.49	1.30	5	4	—3.4							
Sirajgang	91.6		100	3	75.4		67	22	8.21	+0.13	2.60	5	11	+0.5	(b) 4.8		13				
Bogra	93.5	+1.'	101	17,18,31	75.7	+1.4	69	12	6.19	—2.21	2.06	5	9	—0.6	3.1	+0.7	14				
Dinajpur	93.7	+1·9	104	31	74.9	+0.7	69	4,12	4.85	—2.49	1.80	4	7	—1.7	3.5	+0.5	3				
Rangpur									9.70	—1.13	2.95	11	8	—3.5							
EAST PAKISTAN (EAST)																					
Cox's Bazar	91.1	+2.3	94	4 days	76.4	+0.5	68	19	87.77	+5.03	3.34	12	11	+0.5	5.6	+2.0	10				
Chittagong	88.5	—0.4	95	2	75.6	+0.1	67	12	24.99	+14.57	61.0	19	15	+4.2	6.2	—0.2	8				
Noakhali (Maijdi)	86.1	—3.0	94	2	74.6	—3.0	66	13	17.88	+6.43	3.75	21	14	+3.5	x	—					
Brahmanbaria	90.7	—1.3	95	2	76.2	+3.4	70	19	11.44	—0.35	3.88	9	9	—2.7	4.1		2				
Comilla	89.6	—1.5	93	7 days	76.3	+1.4	70	12,13,21	10.70	—1.69	2.02	19	13	+1.2	6.5	+2.1					
Narayanganj	91.7	+0·6	95	4 days	76.3	+0.5	70	15,29,21	14.09	+4.42	2.73	20	13	+2.0	4.8	+0.9					
Srimangal	89.7	+1.4	96	2,5,26	72.3	+0.1	68	1	22.67	+6.88	3.96	18	19	+3.7	1.7	—1.6	18				
Mymensingh	90.5	+1.2	97	8	72.5	—1.7	69	8 dhys	11.40	—1.06	3.15	11	9	—4.0	3.1	+0.8	11				
EAST PAKISTAN (DELTAIC)																					
Faridpur	92.7	+1.0	97	31	75.2	+0.3	68	3,22	9.63	+0.01	1.32	21	14	+3.0	x	x	11				
Barisal	93.0	+1.3	97	24,27	77.5	+0.6	70	13	13.31	—5.06	2.69	9	18	+5.4	5.0	+1.9	15				
Khulna	94.3	+1.4	98	24	78.4	+1.4	71	3 13	4.15	—3.60	1.05	5	9	—0.7	4.2	0.0	2				
Jessore	95.5	+1.6	101	24,31	77.5	+1.7	69	3	7.10	—1.02	3.32	3	8	—1.1	6.3	+3.2					
Satkhira	92.4	—3.0	97	25.27	78.5	+1.1	71	3,10	8.47	+1.60	2.55	3	7	—1.2	4.2	+0.8					

(h) Mean for 23 days.

(x) Data rejected.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF MAY, 1953.

SUB-DIVISION AND STATION	Maximum Temperature of the Air °F				Minimum Temperature of the Air °F				PRECIPITATION (INCHES)						Wind Velocity (knots)		WEATHER Number of Day				
	Mean.	Departure from normal.	Highest.	Date.	Mean.	Departure from normal.	Lowest.	Date.	Total of the month.	Departure from normal.	Heaviest fall in 24 hours.	Date.	Days with 0.10 inch or more.	Departure from normal.	Mean.	Departure from normal.	Thunder heard.	Hail.	Visibility Code Figure 93 or less: Fog.	Visibility Code Figure 93 or less: Haze (dust)	Visibility Code Figure 93 or less: Dust Storms.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
KASHMIR																					
Srinagar (x)																					
Gulmarg (x)																					
Dras (x)																					
Leh (x)																					
Skardu																					
Gilgit																					
Misgar	65.7	—	72	11	41.5	—	33	1	0.34	—	0.17	20	2	—	6.6	—	0	0	0	0	0
Jammu (x)																					
Kargil																					
NORTH PUNJAB																					
Lahore	106.3	+2.6	113	4 days	77.4	+5.2	70	17,18	0.26	—0.33	0.18	17	1	—0.3	3.3	+1.3	8	2	0	0	4
Sialkot	105.6	+3.4	115	13	78.4	+4.1	72	17,28	0.40	—0.59	0.22	8	2	0.0	1.9	—0.1	2	0	0	0	1
Lyallpur	105 0	—	111	5,11,14	75.4	—	69	1,23	0.50	—	0.46	27	1	—	3.1	—	11	0	0	11	0
Rawalpindi	100.9	+3.2	109	14	72 1	+3.4	64	20	0 68	—0.57	0.46	27	2	—0.5	2.7	+0.4	8	0	0	0	0
Khushab	104.2	+0.5	112	7	77.0	+0.7	71	9	0.93	+0.17	0.72	18	2	+0.4	5.2	+0.4	2	0	0	0	1
Lyallpur	103.6	+1.2	111	8	77.6	+3.7	68	22	0.10	—0.33	0.07	22	0	—1.2	3.4	+1.0	6	0	0	0	5
SOUTH PUNJAB																					
Montgomery	104.8	—0.6	112	10	77.1	+0.2	71	23	0.97	+0.61	0.61	17	2	+0.9	2.1	—1.6	3	0	0	0	2
Multan	107.3	+2.5	116	7	80.5	+3.1	73	26	0.50	+0.07	0.40	26	1	+0.3	2.5	+0.7	0	0	3	0	0
Fort Abbas	108.4	—	115	7	*	—	*	—	0.19	—	0.19	7	1	—	*	—	0	0	0	0	0
Bahawalpur																					
Khanpur	107.7	—0.9	114	4	79.5	+3.2	70	26	0.93	+0.76	0.93	26	1	+0.6	4.9	0.0	1	0	0	0	1
N.-W. F. P. (Upper)																					
Chakdara	94.5	—	104	16	68.3	—	59	22	1.40	—	0.65	27	5	—	4.7	—	1	0	0	0	1
Peshawar	96.6	—0.4	104	4 days	71.8	+1.4	62	20	0.92	+0.15	0.30	27	3	+1.0	3.9	+1.6	16	0	0	0	10
Landikotal	87.0	—	96	9,10	*	—	*	—	2.08	—	1.16	27	6	—	3.2	—	11	0	0	0	0
N.-W.F.P. (Lower)																					
Bannu	98.4	—1.4	107	13	75.2	+3.7	65	22	0.42	—0.19	0.16	17	2	+0.5	3.7	—	0	0	0	0	0
Miranshah (R)																					
D. I. Khan	103.0	—0.5	111	11	77.7	+3.0	70	22	0.12	—0.27	0.12	22	1	0.0	2.8	+1.0	0	0	0	0	4
HILL STATIONS (excluding Kashmir & Baluchistan)																					
Murree	75.0	—0.1	83	11	57.2	+1.6	48	20,22	3.00	+0.38	0.77	16	8	+3.2	7.3	+2.8	13	0	1	0	0
Cherat	86.4	+1.1	96	10,11,14	67.5	+1.1	54	22	4.17	+2.52	1.93	27	5	+2.3	X	—	1	2	0	0	0
Drosh	80.7	—0.8	90	10,11	59.2	+0.2	51	21,29	4.50	+2.59	1.22	27	7	+2.5	3.9	+0.8	9	0	0	0	0
Parachinar	79.8	+0.3	88	10	56 3	+0.7	48	22	2.67	+0 36	1.17	21	12	+5 3	3.4	+0.8	4	0	0	0	0
Wana	89.1	+0.2	97	25	*	—	*	—	0.05	—0.77	0.02	21	0	—2.3	3.6	—	0	0	0	0	0

(*) Data rejected.
(R) Register not received.
(x) Data not available.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF MAY 1953

SUB-DIVISION AND STATION	Maximum Temperature of the Air °F				Minimum Temperature of the Air °F				Precipitation (inches)						Wind Velocity (knots)		Weather Number of Days			
	Mean.	Departure from normal.	Highest.	Date.	Mean.	Departure from normal.	Lowest.	Date.	Total of the month.	Departure from normal.	Heaviest fall in 24 hours.	Date.	Days with 0.10 inch or more.	Departure from normal.	Mean.	Departure from normal.	Thunder heard.	Hail.	Visibility Code Figure 5 or Less: Fog.	Visibility Code Figure 5 or Less: Haze (dust)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
AFGHANISTAN																				
Jalalabad	95.2	—	105	7	68.2	—	57	22	0.50	—	0.22	27	2	—	2.7	—	0	0	0	0
Kabul	78.5	+0.3	86	15	51.8	+0.7	43	22	1.89	+1.04	0.85	27	4	+1.5	3.1	+1.1	18	0	0	0
Kandhar	91.6	—	97	9	59.1	—	50	1	0.07	—	0.07	26	0	—	1.0	—	0	0	0	0
BALUCHISTAN (North)																				
Fort Sandaman	92.5	+2.0	99	2,11,12	65.4	+1.5	53	3	0.45	—0.46	0.45	27	1	—1.1	4.5	+1.7	1			
Hindubagh	86.3	—	101	15	56.4		51	5 days	0.11	—	0.05	27	0	—	4.7	—	4			
Loralai	89.3		95	10,14	60 8		56	27,28	1.12	+0.52	0.50	27	4	+2.7	4.1		6	2		
Harnai									0.40	—0.10	0.40	26	1	+0.1						
Sibi	109.7	+0.5	115	10	82.2	+0.9	71	26	0.46	+0.32	0.46	26	1	+0.5	1.9	—2.2				
Quetta	84.9		92	7	53.4		43	1	1.51		1.35	26	2		4.0	+1.6	1	1		
Quetta (Samungli)	86.7		92	6,7	52.7		43	1	0.67		0.37	26	2		5.4		3	1		
Chaman	91.2	+0.8	98	7	67.1	+2.0	62	20	0.00	—0.13	0.00	—	0	—0.4	6.0	+1.0				
Nushki	98.8		105	6,7	73.4		66	26	0.00		0.00	—	0		x	x				
Kalat	80.8	—2.2	90	6	52.8	+0.8	45	21	0.37	+0.17	0.15	24	2	+1.3	4.2	—0.6				
Dalbandin	99.1	—1.2	105	6,9,10	69.0	+3.0	61	20	0.49	+0.42	0.45	24	1	+0.8	4.7	+0.3	3			2
Nokkundi	10.26	+0.2	109	7,9	76.1	+1.6	71	32,24,28	0.00	—0.02	0.00	—	0	0.0	5.5	—2.5	1			
BALUCHISTAN (South)																				
Lasbella	105.7	—0.3	116	2	*	—	—	—	3.71	+3.29	1.45	23	5	+4.1	3.1	+0.1				
Ormora	92.0	—0.7	100	28	79.9	+0.4	74	6	0.00	0.00	0.00	—	0	0.0	11.4	+0.8				
												—								
Pasni	92.5	—1.8	97	5	75.0	+0.8	70	5	0.00	—0.01	0.00	16	0	0.0	8.1	+1.0				
Turbat	108.3		114	1	76.2	—	70	23	0.67		0.35	—	3		7.5					
Panjgur	96.2	—1.7	102	3,10	59.0	—9.2	56	4 days	0.00	—0.11	0.00	—	0	—0.3	4.6	+0.1				
SIND (Upper)																				
Reti (R)																				
Jacobabad	110.3	—0.8	115	4 days	80.1	+0.3	69	15	0.99	+0.85	0.97	—	1	+0.6	7.0	+2.7				1
Sukkur	108.6	+1.2	114	2	78.6	—1.0	73	26	0.00	—0.14	0.00	15	0	—0.2	3.1	—0.3	1			2
Padidan	x	—	—	—	77.3		73	7,26,28	0.00		0.00	—	0	—	6.1					
SIND (Lower)																				
Umarkot	106.0		111	3,30	77.1		74	7	0.00		0.00		0		9.6					
Chhor	104.8		110	3,30	76.7		70	10	0.00		0.00		0		9.6					
Hyderabad	105.9	—1.1	113	2	74.0	—4.2	72	2	0.14	—0.05	0.14	29	1	+0.6	8.6	+0.9	1	1		
Karachi (Airport)	91.8		100	2	78.9		77	6 days	0.00		0.00		0		10.5					
Karachi (Manora)	87.6	—1.0	89	5 days	77.2	+0.7	77	23	0.00	—0.06	0.00	—	0	—0.1	8.8	—1.3				
Badin	102.9	—1.0	112	2	x	—	—	—	0.00	—0.22	0.00	—	0	—0.2	8.6					
IRAN																				
Jask	92.6 (g)	—0.1	98	31	78.5 (g)	+0.3	73	2,10	0.00	—0.01	0.00	—	0	0.0	13.7	+6.5				
ARABIA																				
Kuwait*	94.8		105	20	78.7		73	6,10	0.05		0.05	3	0		5.5					
Muscat	94.0	—2.3	102	16	84.1	—1.6	78	1.17	0.19	+0.19	0.14	23	1	+1.0	3.6	+0.4				

(R) Register not received (*) Data not available. (x) Observations recorded at 0600 hrs, G.M.T. instead of 0030 hrs. G.M.T. (g) Mean of 24 days.

REGD. No. S-1452.

PAKISTAN WEATHER REVIEW 1953

MONTHLY WEATHER REPORT

JUNE

(PUBLISHED BY AUTHORITY OF THE GOVERNMENT OF PAKISTAN)

Chief features:—

(1) Temporary penetration of monsoon air in the northern parts of West Pakistan in the first half of the fourth week.

(2) Heatwaves over Sind (i) between the 6th and the 9th and (ii) between the 21st and 23rd.

(3) Formation of a depression in north-east Arabian sea on the 23rd.

(4) Gradual increase of monsoon activity over East Pakistan during the first fortnight.

WEST PAKISTAN:

The western disturbance and its secondary which were affecting West Pakistan at the close of the last month moved away eastwards after causing few falls of rain and dust thunderstorms over north Baluchistan, the North-West Frontier Province and the Punjab during the first three days.

Hot dry continental air causing heatwave over Sind and Baluchistan prevailed from the 6th to 9th. Many casualties in Sind, due to sunstroke, were reported in the Press.

During the rest of the first fortnight three low pressure waves moved north-eastwards across the extreme north of West Pakistan and caused a few falls of rain and active dust/thunderstorms in north-east Baluchistan, the North-West Frontier Province and the Punjab on the 4th and the 5th and between the 13th and 15th.

Thereafter, light to moderate rain and dust/thunderstorms occurred over Baluchistan, the North-West Frontier Province and the north Punjab on the 18th and the 19th due to the accentuation of the seasonal low over Baluchistan.

Under the influence of the west north-westward movement of a low from Madhya Bharat, monsoon penetrated temporarily into the northern parts of West Pakistan causing fairly widespread rainfall in the North-West Frontier Province and the Punjab in the beginning of the fourth week and duststorms in the south Punjab during the same period.

A depression formed in north-east Arabian sea on the 23rd, moved in the north-westerly direction and weakened into a trough of a low off Makran coast the next day. While the depression was in the formation stage Sind experienced a heatwave between the 21st and 23rd. Temperature rose to 116°F in the Federal Capital on the 22nd which was the highest ever recorded at Karachi in the month of June. According to Press reports many people died of sunstroke in upper Sind. Thereafter fairly widespread thundershowers occurred in Sind between the 23rd and the 25th.

Towards the end of the month, in association with the eastward passage of two low pressure waves across the extreme north of West Pakistan and the simultaneous accentuation of the seasonal low over the Punjab, there was marked rain and thunderstorm activity in the North-West Frontier Province and the Punjab.

Some of the notewrothy amounts of rainfall recorded during the month were:—Sialkot 5″, Parachinar and D.I. Khan 1¼″ each and Jhelum 1″ on the 23rd; Karachi (Manora) 2″, Sialkot and Karachi (Airport) 1″ each on the 24th and Jhelum 2″ on the 28th.

The mean rainfall during the month was in large excess over the upper North-West Frontier Province, north Baluchistan and lower Sind; in moderate excess over the lower North-West Frontier Province and in large defect elsewhre over the region. Averaged over the plains of West Pakistan it was in slight excess.

The mean maximum and minimum temperatures were normal over the region except in South Baluchistan where the mean maximum temperatures were above normal. The mean relative humidity was in defect over Baluchistan and upper Sind and normal elsewhere. Skies were more clouded than usual in the south Punjab, the lower North-West Frontier Provience, north Baluchistan and upper Sind; normally clouded over the upper North-West Frontier Province and less clouded than usual elsewhere over the region.

EAST PAKISTAN:

The activity of monsoon was over East Pakistan in the beginning of the month and its intensity gradually increased during the first fortnight.

During the period of formation of a depression off Orissa-Circars coast monsoon weakened over the region between the 14th and the 15th and became active again as the depression moving in a northerly direction crossed Orissa coast near Puri on the 19th evening and moved away west-north-westwards.

Some of the noteworthy amounts of rainfall recorded during the month were:—Chittagong and Rangpur 3″ each on the 2nd; Rangpur 4″ on the 4th; Srimangal 6″, Mymensingh 4″ on the 5th; Srimangal and Brahmanbaria 4″ each on the 6th; Rangpur 6″ on the 11th; Noakhali 5″, Narayanganj and Khulna 3″ each on the 12th; Khulna 3″ on the 14th; Rangpur 3″ on the 20th; Noakhali 4″ on the 24th; Cox's Bazar 8″, Chittagong 4″, Brahmanbaria, Sathkira, Barisal and Bogra 3″ each on the 25th; Khulna, Barishl and Noakhali 3″ each on the 26th; Comilla 5″, Noakhali and Faridpur 4″ each, Cox's Bazar, Chittagong, Brahmanbaria, Dacca and Narayanganj 3″ each on the 27th.

The mean rainfall during the month was in large excess over the Deltaic subdivision normal over the Eastern sub-division and in large defect over the northern sub-division. Averaged over the region, it was normal.

The mean maximum and minimum temperatures, the mean relative humidity as also the cloud amounts were normal over East Pakistan.

Table I contains the Divisional and Sub-divisional means of rainfall, temperature, humidity and cloud for the 5 chief divisions and 12 sub-divisions of Pakistan. These means are based on the observations at the stations whose monthly means are given in the subsequent tables.

TABLE I.—DIVISIONAL AND SUB-DIVISIONAL MEANS FOR JUNE 1953

Division	PRECIPITATION				DEPARTURE FROM NORMAL OF				
	Actual	Normal	Departure from normal	Percentage departure from normal	Maximum temperature	Minimum temperature	03 hrs. G.M.T.		
							Vapour pressure	Relative humidity	Cloud
1	2	3	4	5	6	7	8	9	10
	"	"	"		°	°	mb.	%	
East Pakistan	17.78	15.50	+2.28	+15	—0.2	0.0	+0.1	0	+0.5
Mean of East Pakistan	17.78	15.50	+2.28	+15	—0.2	0.0	+0.1	0	+0.5
(1) Punjab	0.49	1.16	—0.67	—58	+0.6	+1.0	+1.4	+3	—0.1
(2) N.-W.F.P.	0.94	0.61	+0.33	+54	+0.2	+1.4	—0.1	—1	+0.5
(3) Baluchistan	0.46	0.28	+0.18	+64	+1.0	+1.1	+0.3	—3	—0.2
(4) Sind	0.99	0.43	+0.56	+130	+0.8	—0.3	—0.9	—1	—0.3
Mean of West Pakistan excluding Baluchistan	0.73	0.76	—0.03	—4	+0.6	+0.8	+0.4	+1	+0.1
Sub-Division									
East Pakistan (North)	10.85	13.21	—2.36	—179	—0.8	+0.8	0.0	—1	+0.3
East Pakistan (East)	21.01	19.71	+1.30	+6	+0.3	+0.4	0.0	0	+0.4
East Pakistan (Deltaic)	21.60	13.14	+8.46	+64	—0.5	—0.9	+0.4	+2	+0.7
Kashmir (*)	..	..	..	..	..	..	..	..	..
North Punjab	0.72	1.65	—0.93	—56	+1.0	+1.9	+2.7	+3	—0.5
South Punjab	0.18	0.51	—0.33	—65	—0.1	+0.1	+1.0	+3	+0.3
N.-W.F.P. (Upper)	0.61	0.31	+0.30	+97	—0.2	+1.9	+1.1	+1	+0.1
N.-W.F.P. (Lower)	1.10	0.76	+0.34	+45	+0.2	+1.2	—1.7	—2	+0.7
Baluchistan (North)	0.73	0.32	+0.41	+129	+0.1	+1.2	+1.1	—1	+0.2
Baluchistan (South)	0.01	0.21	—0.20	—95	+2.1	+0.8	—0.9	—7	—0.7
Sind (Upper)	0.03	0.20	—0.17	—85	—0.1	+0.6	—1.1	—11	+0.6
Sind (Lower)	1.63	0.59	+1.04	+176	+1.5	+0.1	—1.2	+5	—0.8
Junagadh*									

* Data incomplete.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF JUNE 1953

SUB-DIVISION AND STATION	Hours of observation.	Height of bar cistern above mean sea level.	Mean Pressure: Station level reduced to standard temperature and gravity.	Mean Pressure: Departure from normal.	Mean Pressure: Reduced to standard temperature and M.S.L. or nearest 0pkm. level.	MEAN TEMPERATURE OF THE AIR AND HUMIDITY: Dry bulb.	Wet bulb.	Dew point.	Vapour pressure.	Departure from normal.	Relative humidity.	Departure from normal.	Total Cloud Amount: Mean amount.	Departure from normal.	Wind Direction Number of Observations From:— N	NE	E	SE	S	SW	W	NW	Calm.
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas										
EAST PAKISTAN (NORTH)																							
Pabna (c)	0300					84.1	79.9	78.0	33.2	—0.1	83	— 1											
Sirajganj	0000	49	998.4		1000.1	79.0	77.8	77.4	32.3		95		6.9		0	0	5	18	4	1	1	0	1
	0300		999.8		1001.5	82.3	79.5	78.3	32.5		87		6.8		1	1	4	14	7	1	1	0	1
	1200		996.2		997.9	83.1	79.9	78.5	33.6		87		6.4		0	0	7	17	2	1	0	0	3
Bogra	(*) 0000	65	998.1		1000.3	79.1	77.3	76.6	30.8		91		7.1		0	1	4	3	2	1	0	0	19
	0300	63	999.4	0.0	1001.5	82.1	77.7	77.7	31.7	—0.6	85	0	6.6	+0.7	0	0	14	10	1	5	0	0	0
	1200	63	996.0		998.2	84.2	79.7	77.7	32.4		81		6.2		0	0	14	12	0	2	1	1	0
Dinajpur	0000	123	997.5		1001.8	78.6	77.1	76.4	31.5		93		5.9		0	5	5	0	0	0	0	0	20
	0300		998.8	+1.7	1003.0	83.0	79.1	77.3	32.0	+0.6	83	—3	5.8	—0.2	0	15	7	0	0	0	0	0	8
	1200		994.7		998.9	86.1	80.1	77.6	32.3		76		4.7		0	13	2	0	0	0	0	0	15
EAST PAKISTAN (EAST)																							
Cox's Bazar	(x) 0000	10	1001.8		1002.1	78.3	77.1	76.3	31.3		95		6.7		0	1	18	6	2	1	0	0	2
	0300	38	1002.6	+0.7	1003.9	83.0	79.5	77.6	32.8	+0.7	85	0	6.1	0.0	0	0	0	10	8	0	0	0	12
	1200	38	1000.5		1001.8	82.5	79.2	77.8	32.8		85		6.4		0	0	0	9	12	1	0	0	8
Chittagong	0000																						
	0300	87	1000.0	—0.2	1002.9	83.5	78.2	75.8	29.7	—1.8	77	—6	5.5	—0.5	0	0	2	21	6	1	0	0	0
	1200		997.5		1000.5	82.7	78.7	76.7	32.0		83		6.9		1	0	1	8	15	4	1	0	0
Noakhali (Maijdi)	0000	25	x		x	80.0	77.8	76.7	31.9		91		5.9		0	0	0	8	0	0	0	0	21
	0300		x		x	83.4	79.2	77.2	32.0	—1.1	83	—2	5.7	+0.5	0	0	0	17	0	(c) 0	0	0	13
	1200		x		x	84.5	79.5	77.2	32.7		79		6.6		0	0	0	22	0	0	0	0	8
Brahmanbaria	0000	32	1000.8		1001.9	78.7	77.3	76.8	31.5		93		5.7		0	0	4	8	6	1	0	0	11
	0300		1001.6		1002.7	83.7	79.0	77.2	32.4	+1.8	81	+2	5.3		0	1	4	10	12	0	0	0	3
	1200		998.4		999.5	84.0	80.2	78.6	33.2		83		4.7		0	0	1	5	12	1	0	1	10
Comilla	0000	29	1000.7		1001.7	78.3	76.8	76.3	30.5		93		6.4		0	0	0	1	5	0	0	0	24
	0300		1001.4	—0.2	1002.4	82.3	78.5	76.9	30.9	—1.5	83	+1	6.2	+0.8	0	0	1	12	7	0	0	0	10
	1200		998.1		999.1	83.9	80.0	78.6	33.2		83		6.7		1	1	0	11	12	1	0	0	4
Narayanganj	0000	26	1000.5		1001.4	80.0	77.9	76.8	31.9		91		7.5		0	0	10	7	11	1	0	0	1
	0300		1001.4	+0.3	1002.3	84.0	79.6	77.8	32.4	—0.7	81	— 4	6.8	+0.3	0	0	5	10	10	4	0	0	1
	1200		998.2		999.1	85.4	80.2	78.2	32.7		79		6.6		0	0	2	8	15	2	0	0	3
Srimangal	0000	69	999.8		1002.1	75.9	75.0	74.1	29.2		95		6 3		0	1	1	5	5	0	0	0	18
	0300		1000.7	+0.4	1003.1	80.1	77.6	76.4	31.1	—0.2	89	+3	6.2	+0.9	3	4	5	7	10	0	1	0	0
	1200		997.3		999.7	81.9	79.2	77.9	33.3		89		6.4		2	2	3	3	13	3	0	1	3
Mymensingh	0000	62	1000.0		1002.2	79 5	78.4	78.0	32.3		95		6.7		0	0	13	0	0	0	0	0	17
	0300		1000.9	+0.6	1003.1	82.0	79.7	71.7	33.3	+1.5	89	+3	7.5	+0.8	0	0	16	1	0	0	0	0	13
	1200		996.8		999.0	84.6	80.5	78.8	34.3		83		5.9		0	0	7	1	0	0	0	0	22

(*) Observations at 0000 hrs recorded at a distant site by P.B. staff. (x) Data not available. (c) Data for 29 days. (z) Extrapolated from Narayangang.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF JUNE 1953

SUB-DIVISION AND STATION	Hours of observation	Height of bar cistern above mean sea level	Mean Pressure: Station level reduced to standard temperature and gravity	Mean Pressure: Departure from normal	Mean Pressure: Reduced to standard temperature and M.S.L. or nearest Gpm level.	Mean Temperature of the Air and Humidity: Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Total Cloud Amount: Mean	Departure from normal	Wind Directions Number of Observations From :— N	NE	E	SE	S	SW	W	NW	Calm
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
EAST PAKISTAN (DELTAIC)	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas										
Faridpur	0000		999.6		1001.2	78.1	77.7	77.3	32.3		95		7.1		0	0	1	9	14	0	0	0	6
	0300	46	1000.7	+0.7	1002.3	83.6	80.1	77.8	34.0	+0.1	85	+1	6.4	+0.7	0	0	0	10	15	1	2	0	2
	1200		997.6		999.2	83.6	79.9	78.3	34.0		85		6.7		1	0	0	7	14	1	1	0	6
Barisal	0000		1000.3		1000.7	79.7	78.5	78.0	33.4		96		7.2		0	1	4	8	5	3	0	0	9
	0300	11	1001.5	+0.2	1001.9	84.5	80.9	79.6	35.1	+1.4	85	0	7.1	+1.1	0	1	2	15	5	4	1	0	2
	1200		998.9		999.3	83.9	80.0	78.6	33.2		83		7.6		0	0	1	8	13	5	1	1	1
Khulna	0000		999.7		1000.3	80.1	78.8	78.6	32.6		93		7.2		0	5	3	10	2	3	0	0	17
	0300	16	1000.9	+0.3	1001.5	84.8	80.8	79.2	34.3	+0.8	83	+3	6.5	—0.1	0	1	5	12	3	7	0	0	2
	1200		998.4		999.0	85.4	79.1	77.0	30.3		73		5.5		0	0	0	20	6	3	0	0	1
Jessore	0000		999.1		1000.0	79.5	78.5	78.3	32.3		95		6.2		0	2	6	6	5	2	1	0	8
	0300	26	999.9	—0.4	1000.8	84.7	81.0	79.5	35.1	+1.3	85	+2	6.1	+0.3	0	0	7	9	5	4	0	0	5
	1200		997.3		998.2	84.6	80.0	78.2	33.5		81		6.7		0	0	10	4	7	3	0	2	4
Satkhira	0000		998.8		999.4	80.3	78.5	77.2	31.9		91		7.0		0	7	1	12	0	2	0	0	8
	0300	16	1000.3	0.0	1000.9	84.8	81.4	79.7	35.1	−1.4	85	+3	6.9	+1.6	0	5	0	16	1	5	0	0	3
	1200		997.6		998.1	85.4	80.3	78.1	32.7		79		7.2		0	1	0	17	3	5	0	0	4
KASHMIR																							
Srinagar (X)	0000	5205																					
	0300																						
	1200																						
Gulmarg (X)	0000	8709																					
	0300																						
	1200																						
Dras (X)	0000	10059																					
	0300																						
	1200																						
Leh (X)	0000																						
	0300																						
	1200																						
Skardu	0000	7505																					
	0300																						
	1200																						
Gilgit (R)	0000	4890																					
	0300																						
	1200																						
Misgar	0000	10190	697.5		706.6	48.5	41.0	32.5	6.4		55		2.9		0	0	2	0	0	0	10	0	18
	0300		698.4	—	707.3	51.3	42.6	31.9	6.6	—	51	—	2.4	—	0	0	3	0	0	0	9	0	18
	1200		695.4		704.0	67.2	46.6	23.1	4.4		19		4.0		0	0	13	0	0	0	17	0	0

(X) Data not available (R) Data not received

SUB-DIVISION AND STATION	Hours of observation	Height of bar cistern above mean sea level	Mean Pressure			Mean Temperature of the Air and Humidity							Total Cloud Amount		Wnd Directions Number of Observations From :—								
			Station level reduced to standard temperature and gravity	Departure from normal	Reduced to standard temperature and M.S.L. or nearest Gpm. level.	Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Mean amount	Departure from normal	N	NE	E	SE	S	SW	W	NW	Calm.
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
KASHMIR—contd.																							
Jammu (X)	0000	1200																					
	0300																						
	1200																						
Kargil (X)	0000																						
	0300	8790																					
	1200																						
NORTH PUNJAB																							
Lahore	0000	702	972.5		996.1	83.1	74.4	69.3	25.1		65		1.1		1	2	2	5	1	3	0	0	16
	0300		974.0	−0.5	997.5	89.8	77.3	70.7	26.3	+4.4	55	+8	1.5	−0.1	1	3	0	10	0	8	1	3	4
	1200		970.9		993.6	103.9	81.2	70.3	26.0		36		1.4		1	2	0	8	0	5	4	6	4
Sialkot	0000	830	968.1		995.8	84.5	72.1	61.9	21.3		53		3.4		1	4	5	1	0	0	2	6	11
	0300		969.0	−1.5	996.4	90.2	73.9	65.6	21.2	−0.4	43	−5	3.2	+1.8	0	6	1	3	0	0	0	2	18
	1200		966.4		993.2	102.8	77.9	61.5	21.3		30		1.8		2	2	5	1	0	5	5	0	10
Jhelum	0000	765	970.7		996.5	82.7	71.1	63.8	20.7		55		1.8		0	2	0	3	1	2	2	2	18
	0300		971.9	—	997.3	90.4	74.3	65.0	21.7	—	44	—	1.5	—	0	1	4	7	1	1	2	6	8
	1200		968.5		993.6	103.8	78.2	63.9	21.3		29		1.3		0	0	0	2	8	13	1	4	2
Rawalpindi	0000	1676	942.8		889.2	82.6	67.3	57.6	16.6		44		1.3		1	0	0	0	0	0	4	0	25
	0300		943.0	−0.1	890.1	91.2	71.1	58.8	17.8	−0.4	35	−2	1.5	−0.4	0	1	1	2	0	0	3	0	23
	1200		939.8		888.5	103.7	72.9	54.2	15.1		20		1.9		0	1	0	4	2	0	10	0	13
Khushab	0000	616	975.1		995.9	84.7	72.2	64.3	21.3		53		0.7		2	7	9	2	2	2	1	2	3
	0300		976.4	−0.3	996.9	92.0	74.5	64.1	21.2	+0.4	41	−2	0.6	−0.7	3	7	10	4	1	2	2	0	1
	1200		973.1		993.1	105.1	78.7	62.8	21.5		28		0.5		0	1	8	6	7	4	1	2	1
Lellypur	0000	605	975.3		995.7	83.8	72.4	65.8	22.0		55		1.4		1	2	2	7	5	2	1	2	8
	0300		976.9	+0.1	997.1	88.3	75.2	68.2	23.9	+2.5	52	+6	1.0	−0.3	2	1	3	6	5	4	4	0	5
	1200		973.7		993.3	103.2	78.6	65.7	22.2		31		0.6		1	1	0	5	6	3	4	1	9
SOUTH PUNJAB																							
Montgomery	0000	558	976.2		995.0	83.2	73.6	68.1	24.0		62		3.6		0	0	0	9	0	9	0	1	11
	0300		977.9	−0.9	996.4	93.0	76.9	68.7	24.3	−2.5	50	−7	3.1	+2.1	0	1	4	9	2	10	1	0	3
	1200		975.0		993.1	104.0	79.0	65.1	22.5		30		6		0	0	2	7	0	5	1	0	15
Multan	0300	415	982.8		996.5	90.6	76.5	68.9	24.8	−2.1	51	−5	0.9	+0.1	5	0	2	1	7	8	0	5	2
	1200		979.6	−0.4	992.9	107.7	79.4	63.9	21.4		25		1.5		3	1	2	1	7	8	2	2	4
Fort Abbas	0000	475	980.6		996.4	87.7	74.5	67.4	23.1		52		0.2		0	1	0	4	0	20	0	5	0
	0300		981.6	—	997.4	93.8	74.4	67.9	24.6	—	45	—	0.2	—	1	1	0	5	0	19	1	3	0
	1200		978.1		993.5	108.6	82.1	68.1	25.3		30		0.1		0	2	0	5	1	17	1	3	1

(X) Data not available.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF JUNE 1953

SUB-DIVISION AND STATION	Hours of observation	Height of bar cistern above mean sea level	Mean Pressure: Station level reduced to standard temperature and gravity.	Mean Pressure: Departure from normal	Mean Pressure: Reduced to standard temperature and M.S.L. or nearst Gpm level.	Mean Temperature of the Air and Humidity: Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Total Cloud Amount: Mean amount	Departure from normal	Wind Directions Number of Observations From:— N	NE	E	SE	S	SW	W	NW	Calm
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
SOUTH PUNJAB—contd.																							
Bahawalpur	0300	384	983.1	—1.1	995.9	88.7	78.3	73.4	28.5	+0.5	62	+6	0.5	—0.5	0	5	5	0	7	11	1	1	0
	1200		980.6		993.0	108.2	83.8	73.3	28.2		34		0.0		1	2	2	0	1	23	1	0	0
Khanpur	0300	297	987.1	—0.8	997.0	89.8	80.6	76.6	31.5	+5.1	66	+9	0.4	—0.6	4	3	0	0	3	17	2	0	1
	1200		983.2		992.8	108.9	87.4	79.4	34.6		40		0.4		3	2	1	0	1	13	4	2	4
N.-W.F.P. (Upper)																							
Chakdara	0000	2225	923.3		888.5	76.4	63.7	54.9	15.0		48		1.3		2	3	0	1	0	1	0	9	14
	0300		924.8	—	890.5	82.2	66.8	57.3	16.2	—	43	—	1.5	—	0	6	2	2	0	1	2	1	16
	1200		921.2		888.1	99.3	75.6	63.6	20.5		32		1.7		1	1	0	1	1	10	5	3	8
Peshawar	0000	1175	957.4		996.7	82.0	68.5	58.5	17.7		47		1.7		2	0	2	4	3	2	1	8	8
	0300		958.9	—0.5	997.7	90.0	71.5	59.2	18.0	+1.1	37	+1	1.8	+0.1	8	2	3	2	2	1	0	5	7
	1200		955.1		992.8	103.5	73.9	52.7	15.1		21		2.3		2	12	3	2	1	3	0	7	0
Landikotal	0000	3503	884.4		891.2	76.1	64.8	56.3	16.4		54		1.2		0	6	0	0	0	1	0	7	16
	0300		885.3	—	892.0	82.7	67.6	57.2	16.9	—	45	—	1.4	—	0	5	0	1	0	0	2	15	7
	1200		882.6		889.2	94.7	72.3	57.9	17.9		32		1.9		2	7	2	1	1	1	2	13	1
N.-W.F.P. (Lower)																							
Bannu	0000	1264	953.9		996.1	83.7	68.4	56.4	16.8		43		3.1		2	5	4	1	0	1	9	7	1
	0300		954.9	—	996.5	90.9	72.4	59.4	18.8	−0.3	38	—4	2.9	+1.5	1	5	6	1	0	1	3	10	3
	1200		951.9		992.4	103.7	75.4	56.3	17.2		23		3.5		1	2	12	11	2	1	1	0	0
Miranshah (R)	0000	3026																					
	0300																						
	1200																						
D. I. Khan	0000	570	976.4		995.7	83.5	72.3	56.1	22.0		56		1.8		3	10	1	0	0	1	0	0	15
	0300		978.2	+0.1	997.4	88.6	75.7	68.2	24.5	—1.0	53	0	0.9	—0.2	4	5	3	1	0	1	0	4	12
	1200		975.5		994.0	106.2	77.9	60.8	19.7		25		0.3		2	7	6	3	4	0	1	1	6
HILL STATIONS (excluding Kashmir & Baluchistan)																							
Murree	0000	7113	779.3		794.7	64.2	55.2	47.8	11.6		57		2.6		0	2	2	5	0	3	6	12	0
	0300		780.6	—0.9	795.7	70.7	58.2	48.8	12.1	−0.1	47	—5	1.8	—0.4	1	2	3	8	0	1	8	7	0
	1200		779.7		794.7	77.3	61.0	49.5	12.5		39		3.7		1	1	2	2	2	1	9	10	2
Cherat	0000	4272	864.5		894.5	76.9	61.6	46.8	12.5		39		0.7		0	6	0	10	0	0	0	14	0
	0300		864.5	+1.8	894.4	78.5	62.6	49.4	12.9	—1.0	39	—6	0.6	—0.8	1	4	0	11	0	1	1	12	0
	1200		862.9		892.0	91.8	66.6	48.9	12.0		23		1.2		0	5	0	16	0	3	0	6	0
Drosh	0000	4806	847.9	0.0	894.3	69.8	57.2	46.3	10.9	−0.7	45	—7	1.6	+0.8	0	1	4	0	0	0	0	0	25
	0300		848.6		894.6	74.2	60.8	50.7	12.7		43		1.8		0	4	2	0	0	0	0	0	24
	1200		844.1		888.5	89.2	64.0	44.2	10.1		22		2.4		0	3	1	0	3	9	6	0	8

(R) Register not received.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF JUNE 1953

SUB-DIVISION AND STATION	Hours of observation.	Height of bar cistern above mean sea level.	Mean Pressure: Station level reduced to standard temperature and gravity.	Mean Pressure: Departure from normal.	Mean Pressure: Reduced to standard temperature and M.S.L. or nearest Gpm. level.	Mean Temperature of the Air and Humidity: Dry bulb.	Wet bulb.	Dew point.	Vapour pressure.	Departure from normal.	Relative humidity.	Departure from normal.	Total Cloud Amount: Mean amount.	Departure from normal.	Wind Direction Number of Observations From :— N	NE	E	SE	S	SW	W	NW	Calm.
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
HILL STATIONS (excluding Kashmir and Baluchistan)—contd.	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas										
Parachinar	0000	5673	820.5		794.2	67.5	56.2	47.6	11.4		50		1.3		16	1	0	1	0	0	0	9	3
	0300		820.6	−0.9	794.9	76.8	60.8	49.2	12.5	+0.5	40	−3	0.9	−0.5	1	1	0	1	1	4	3	7	12
	1200		819.2		793.9	38.8	63.6	49.0	12.8		32		2.6		1	3	2	9	1	2	1	3	8
Wana	0300	4503	855.2	—	891.7	81.2	68.1	59.9	18.2	+5.0	50	+7	0.7	−0.3	0	3	0	0	0	0	0	0	27
	1200		853.6		888.9	89.1	70.9	60.7	18.4		39		1.3		0	3	0	6	0	0	0	0	21
AFGHANISTAN																							
Jalalabad	0300	1950	929.6	—	886.5	86.4	69.8	60.3	18.1	—	42	—	1.2	—	0	3	3	0	0	4	2	3	15
	1200		925.5		884.0	101.4	76.6	65.0	21.1		31		2.0		0	2	3	3	0	7	5	0	10
Kabul	0300	5955	816.9	—	799.1	65.9	54.9	46.2	10.7	+1.4	50	+12	0.7	+0.1	1	2	1	0	4	5	9	8	0
	1200		815.0		798.1	83.1	62.0	48.1	11.4		30		2.8		10	8	2	0	0	0	1	4	5
Kandhar	0300	3462	882.8	—	888.3	76.3	62.2	51.8	13.4	—	43	—	0.1	—	0	3	0	0	0	1	0	0	26
	1200		880.0		885.3	95.7	70.5	55.4	15.1		26		0.2		0	1	0	0	0	7	0	1	21
BALUCHISTAN (NORTH)																							
Fort Sandaman	0300	4614	853.0	+0.7	892.5	78.8	62.1	44.6	12.4	−0.4	36	−18	0.8	+0.1	4	0	0	0	0	0	1	0	25
	1200		850.5		888.8	95.9	64.3	36.3	7.8		14		1.1		1	0	6	3	1	0	0	1	18
Hindubagh	0000	5909	815.0		796.4	69.2	63.7	60.5	18.0		74		0.0		0	0	0	1	0	5	16	5	3
	0300		816.1	—	797.7	79.7	69.6	63.9	21.4	—	61	—	0.2	—	0	0	1	1	1	11	5	2	9
	1200		813.4		795.8	92.5	80.8	76.2	32.5		60		1.2		0	1	2	2	2	4	14	4	1
Loralai	0000	4699	848.4		891.0	71.1	57.1	43.4	10.2		39		0.5		0	0	0	0	0	8	4	0	18
	0300		849.3	—	891.8	80.2	63.7	51.4	13.4		38		0.6		0	0	1	0	1	5	7	1	15
	1200		846.9		888.3	93.9	67.8	49.2	12.8		23		1.8		0	0	0	2	4	11	1	2	10
Sibi	0000	441	980.9		995.5	91.1	74.6	64.5	21.7		43		2.0		0	0	0	1	1	2	2	1	23
	0300		982.2	0.0	996.7	94.4	77.2	66.6	23.9	+2.9	44	+4	2.3	+1.8	0	0	0	2	2	3	2	3	18
	1200		977.9		991.8	111.0	79.5	61.9	20.0		22		2.2		0	1	0	1	5	15	2	2	4
Quetta	0300	5490	827.2	−0.6	796.8	76.0	65.3	59.3	17.7	+2.3	58	+4	0.3	−0.2	0	0	0	0	3	2	0	1	24
	1200		824.3		794.9	91.1	64.5	45.9	11.2		23		1.3		8	1	0	0	2	2	5	12	0
Quetta (Samungli)	0000	5253	834.7		796.7	62.9	54.0	46.0	10.6		53		0.2		0	0	2	13	1	1	0	0	13
	0300		835.6	—	798.2	75.8	62.3	54.7	14.3		47		0.5	—	0	2	4	5	1	4	2	4	8
	1200		833.4		797.3	92.7	69.7	55.2	16.3		32		1.3		2	0	0	3	0	1	10	14	0
Chaman	0000	4311	860.4		891.6	75.6	59.5	45.2	10.7		35		0.3		0	1	14	14	1	0	0	0	0
	0300		861.7	+0.1	892.3	84.6	64.0	43.6	12.9	+2.1	32	+4	0.3	−0.1	0	2	4	3	5	10	2	2	2
	1200		859.6		889.2	98.0	68.5	48.9	11.8		19		0.2		0	2	0	0	0	4	21	3	0
Nushki	0000	3416	894.4		898.3	81.2	62.7	46.0	11.9		33		0.0		1	4	2	8	3	0	0	0	12
	0300		894.8	—	898.7	85.4	66.4	52.0	14.4		35		0.3	—	2	6	8	2	2	2	1	4	3
	1200		892.8		896.6	104.8	73.3	51.7	15.3		20		0.3		4	1	0	0	0	5	7	13	0

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF JUNE 1953

DIVISION AND STATION	Hours of observation.	Height of bar cistern above mean sea level.	Mean Pressure: Station level reduced to standard temperature and gravity.	Mean Pressure: Departure from normal.	Mean Pressure: Reduced to standard temperature and M.S.L. or nearest Gpm. level.	Mean Temperature of the Air and Humidity: Dry bulb.	Wet bulb.	Dew point.	Vapour pressure.	Departure from normal.	Relative humidity.	Departure from normal.	Total Cloud Amount: Mean amount.	Departure from normal.	Wind Direction Number of Observations From :— N	NE	E	SE	S	SW	W	NW
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
BALUCHISTAN (NORTH)—contd.	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas									
Kalat	0000	6616	795.6		797.2	60.2	50.5	41.9	9.1		52		0.5		0	0	0	0	18	0	0	1
	0300		796.4	+0.6	798.0	72.2	57.8	46.2	11.0	+0.3	41	+1	0.3	—0.2	1	0	0	0	3	0	0	1
	1200		794.6		796.2	86.6	61.6	43.0	10.0		23		0.7		3	1	0	0	4	0	1	20
Dalbandin	0000	2785	907.2		891.5	77.7	58.4	40.8	8.8		28		0.7		0	5	0	2	0	7	1	8
	0300		908.5	+0.1	893.0	85.5	62.9	44.7	10.5	—0.4	25	—3	0.6	0.0	1	2	1	0	1	1	3	2
	1200		905.6		890.8	105.4	69.7	43.6	10.4		13		0.9		1	4	4	1	1	3	3	6
Nokkundi	0000	2229	924.7		891.9	85.0	68.4	58.2	17.0		41		0.0		7	2	3	7	1	2	1	6
	0300		926.3		893.4	90.6	72.1	61.5	19.4	+0.2	40	0	0.3	—0.3	6	3	3	7	3	1	1	6
	1200		923.6		892.0	105.5	57.5	57.5	17.9		23		0.7		7	0	2	8	2	3	1	7
BALUCHISTAN (South)																						
Lasbela	0000	292	989.3		999.3	83.1	79.2	77.3	32.0		83		3.1		0	0	0	0	0	2	0	0
	0300		990.2	—0.3	1000.0	88.3	81.7	78.7	33.8	+3.1	75	0	2.5	—0.6	0	3	2	3	2	6	0	1
	1200		985.6		995.2	104.9	84.3	74.6	31.1		41		0.3		0	0	0	23	0	5	0	2
Ormara	0000	15	997.7		998.2	83.7	79.0	76.5	32.4		81		1.9		0	0	2	0	0	3	17	0
	0300		999.1	—	999.6	86.0	79.2	75.4	30.7	—2.4	72	—12	2.6	—1.1	1	2	3	0	0	1	17	0
	1200		996.2		996.7	91.1	80.8	75.7	30.8		61		1.6		0	0	2	0	4	4	19	1
Pasni	0000	10	998.8		999.1	80.0	76.9	74.9	30.3		87		2.5		0	0	5	0	0	4	10	3
	0300		999.7	—0.1	1000.0	85.0	78.6	74.7	30.3	—2.7	73	—10	2.2	—0.8	0	2	6	2	0	5	8	5
	1200		996.8		997.1	91.2	81.1	76.4	31.6		63		0.8		0	0	0	4	1	22	3	0
Turbat	(b) 0000	510	982.5		999.8	80.0	70.3	64.6	21.0		61		0.8		0	2	0	3	1	5	0	3
	(b) 0300		984.1	—	1001.1	88.6	77.8	72.6	26.9		59	—	0.8	—	0	2	0	7	0	5	1	7
	1200		979.7		995.3	110.4	83.5	70.6	26.5		30		0.0		0	5	0	0	3	8	5	8
Panjgur	0000	3177	896.3		892.9	*	*	*	*	*	*	*	0.0		2	1	0	1	0	17	0	9
	0300		897.3	+0.7	893.9	81.2	67.4	58.3	17.3	—1.5	47	—4	0.1	—0.5	1	3	1	1	0	11	3	8
	1200		894.7		891.5	99.9	73.2	57.5	17.3		27		0.5		1	0	0	0	0	15	1	12
SIND (Upper)																						
Reti (R)	0000	280																				
	0300																					
	1200																					
Jacobabad	0000	183	989.2		995.5	87.9	76.9	70.2	26.7		59		0.3		1	2	6	11	3	1	2	3
	0300		990.9	—0.1	997.2	91.6	78.4	68.5	27.0	—4.3	54	—9	0.3	—0.3	1	1	9	10	5	0	0	3
	1200		986.9		989.6	111.5	82.1	66.0	23.8		19		0.1		0	1	4	6	11	2	1	5
Sukkur	0300	221	989.8	—0.3	997.3	87.8	75.2	68.0	24.5	—4.0	54	—13	2.0	+1.5	3	4	0	10	10	0	0	0
	1200		986.0		993.3	108.1	78.3	62.3	19.1		23		1.0		4	4	0	10	11	0	0	0
Padidan	0000	153	990.3		995.5	83.4	74.6	69.7	25.5		64		0.7		1	1	0	17	4	1	0	0
	0300		991.8		997.0	88.9	77.4	71.7	27.5		57		1.1		1	1	0	16	5	2	0	1
	1200		988.6		993.5	110.2	80.8	64.6	24.0		25		1.5		3	1	1	9	5	5	2	2

(*) Data rejected. (R) Register not received. (b) Mean for 29 days

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF JUNE 1953

SUB-DIVISION AND STATION	Hours of observation.	Height of bar cistern above mean sea level.	Mean Pressure: Station level reduced to standard temperature and gravity.	Mean Pressure: Departure from normal.	Mean Pressure: Reduced to standard temperature and M.S.L. or nearest Gpm level.	Mean Temperature of the Air and Humidity: Dry bulb.	Wet bulb.	Dew point.	Vapour pressure.	Departure from normal.	Relative humidity.	Departure from normal.	Total Cloud Amount: Mean amount.	Departure from normal.	Wind Direction Number of Observations From: N	NE	E	SE	S	SW	W	NW	Calm.
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
SIND—(Lower)	G.M.T.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%		oktas										
Umarkot	0000	55	996.1		998.8	82.2	79.9	79.2	33.5		90		3.4		0	0	0	0	15	10	0	0	5
	0300		997.1		999.0	88.2	81.9	79.3	34.0		75	—	4.0	—	0	0	0	1	8	17	1	0	3
	1200		993.3		995.5	103.4	84.9	77.7	32.5	—	45		1.8		0	1	0	2	5	18	0	3	1
Chhor	0000	19	997.2		997.8	82.4	78.0	76.0	31.1		81		3.0		0	0	0	0	0	24	0	0	6
	0300		998.3	—	999.0	86.8	80.3	77.0	32.3		74		4.2		1	0	1	1	0	26	1	0	0
	1200		994.4		995.1	101.7	81.8	72.0	32.6		40		2.1		0	1	0	2	1	22	2	1	1
Hyderabad	0000	96	993.7		997.0	82.9	77.8	75.4	30.5		76		1.7		0	0	0	0	1	22	5	0	2
	0300		995.1	—0.4	998.4	86.3	79.5	77.0	30.7	+2.6	72	+7	1.2	—0.8	0	1	0	1	1	23	4	0	0
	1200		992.5		995.7	102.2	80.6	69.1	25.6		37		1.4		0	1	0	2	2	18	7	0	0
Karachi (Airport)	0000	73	995.7		998.2	83.1	79.0	77.3	32.0		83		3.5		0	1	0	0	1	12	10	1	5
	0300		997.2		999.7	84.9	79.5	76.6	31.5		74		4.8		1	0	2	0	0	11	14½	1	1
	1200		994.8		997.3	91.5	79.7	73.7	28.6		57		4.2		0	0	0	2	4	19	5	0	0
Karachi (Manora)	0000	13	998.3		998.5	83.4	80.3	79.0	34.0		87		4.5		1	0	1	0	0	7	19	0	2
	0300		999.2	−0.5	999.6	85.3	81.0	79.3	33.4	−0.1	82	−1	4.6	+0.1	0	0	2	0	1	4	15	2	6
	1200		996.9		997.3	88.6	82.5	80.3	35.2		76		4.5		0	0	0	1	2	17	9	1	0
Jadin	0000	31	997.4		998.5	81.7	78.8	77.6	31.9		87		0.0		0	1	0	0	0	16	0	0	13
	0300		999.5	+0.7	1000.6	83.0	79.0	76.8	32.0	+1.0	83	+10	1.3	—1.8	0	1	0	0	0	24	0	0	5
	1200		996.7		997.7	97.1	81.9	75.0	27.5		51		1.0		0	0	0	0	0	24	0	0	6
IRAN																							
Jask	0300	13	998.4		998.9	87.1	82.3	79.3	35.0		80		1.1	+0.3	5	2	14	0	1	1	6	1	0
	1200		996.8		997.2	95.3	88.3	86.4	42.0		75		0.1		0	0	2	0	5	8	15	0	0
ARABIA																							
Muscat	0300	20	998.8		999.3	91.1	79.9	74.5	29.7		60		1.0	−0.4	3	1	2	1	2	1	7	6	7
	1200		997.1		997.7	92.4	81.6	76.6	32.8		60		0.4		2	6	4	6	1	0	1	9	1
Kuwait*	0600	16	1002.4		1002.9	92.5	75.0	66.1	21.7		41		0.0		2	0	0	0	0	0	3	25	0
	1200		1000.8		1001.3	95.9	75.9	66.0	21.6		37		0.0		3	2	1	6	0	0	1	17	0

* Observations recorded at 0600 hrs. G.M.T. instead of 0300 hrs. G.M.T.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF JUNE 1953.

SUB-DIVISION AND STATION	Maximum Temperature of the air °F				Minimum Temperature of the air °F				Precipitation (inches)					Wind Velocity (knots)		Weather Number of Day				
	Mean.	Departure from normal.	Highest.	Date.	Mean.	Departure from normal.	Lowest.	Date.	Total of the month.	Departure from normal.	Heaviest fall in 24 hours.	Date.	Days with 0.10 inch or more.	Departure from normal.	Mean.	Departure from normal.	Thunder heard.	Hail.	Visibility Code Figure 93 or less: Fog.	Haze (dust).	Dust Storm.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
EAST PAKISTAN (NORTH)																					
Pabna	89.9	—1.7	101	1	77.7	+2.1	71	9	11.52	+0.25	2.23	27	15	+0.5							
Rajshahi									5.20	—6.02	1.80	24	5	—8.2							
Sirajganj	88.3		96	1	77.6		71	11	5.54	—6.78	1.43	11	10	—4.3	(b) 3.7		7				
Bogra	89.0	—0.8	102	1	77.5	+0.3	71	7	5.70	—7.34	1.04	24	13	—1.5	3.4	+1.3	11				
Dinajpur	89.7	+0.2	99	1	77.4	+0.1	70	8	11.45	—2.19	2.20	5	14	—0.1	3.8	+1.2	6				
Rangpur									25.67	+7.89	6.25	11	15	—0.7							
EAST PAKISTAN (EAST)																					
Cox's Bazar	88.8	+2.5	94	1	76.3	—0.1	70	2	28.34	—2.80	8.27	25	23	+3.9	4.6	+0.7	8				
Chittagong	87.5	+0.6	91	7 days	76.5	—0.3	70	3	21.56	+0.57	4.50	25	20	+3.3	5.3	—1.7	7				
Noakhali (Maijdi)	87.2	+0.2	92	4	77.6	—0.8	68	3	26.87	+6.31	5.40	12	15	—3.3	x	—					
Brahmanbaria	89.0	—1.2	95	20	76.5	+1.9	71	27	18.25	+3.70	3.50	6	16	0	3.6		1				
Comilla	88.7	+0.4	94	19&20	77.1	+0.3	71	24	26.05	+7.77	4.71	24	22	+4.9	4.0	—1.1					
Narayanganj	89.9	+0.7	95	9	77.7	—0.4	70	3	14.96	+2.57	3.03	12	18	+3.5	4.6	+0.3	1				
Sitmangal	88.0	— 1.9	95	21&22	75.2	— 0.3	69	2	25.48	+6.62	5.58	5	24	+3.9	3.4	+0.2	17				
Mymensingh	88.9	+1.1	96	20	78.4	+1.5	76	3,6,7	22.46	+4.86	3.76	6	18	+0.2	2.3	+0.1	3				
EAST PAKISTAN (DELTAIC)																					
Faridpur	88.7	—0.5	97	1	76.5	—0.9	69	3	23.27	+10.48	4.88	12	21	+3.2	x	x	13				
Barisal	90.2	+1.4	96	8,9	77.5	— 0.8	72	+14 3,13	28.10	+12.05	5.21	12	18	+1.3	4.8	+1.8	13				
Khulna	90.2	—0.4	96	1,2	77.4	—1.5	73	4 days	21.63	+9.17	4.12	23	18	+3.3	4.3	+0.4	2				
Jessore	90.9	+0.2	98	1,8,9	77.4	— 0.5	72	9	13.98	+1.76	2.68	23	17	+3.0	5.4	+2.4					
Satkhira	88.7	—3.1	98	9	76.1	—0.7	73	3,12,13	21.01	+8.81	5.25	13	19	+5.3	4.5	+1.6					

(b) Observation for 29 days.

(x) Data not available.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF JUNE 1953.

SUB-DIVISION AND STATION	Maximum Temperature of the Air °F				Minimum Temperature of the Air °F				PRECIPITATION (INCHES)						Wind Velocity (knots)		WEATHER Number of Day				
	Mean.	Departure from normal.	Highest.	Date.	Mean.	Departure from normal.	Lowest.	Date.	Total of the month.	Departure from normal.	Heaviest fall in 24 hours.	Date.	Days with 0.10 inch or more.	Departure from normal.	Mean.	Departure from normal.	Thunder heard.	Hail.	Visibility Code Figure 93 or less: Fog.	Visibility Code Figure 93 or less: Haze (dust)	Visibility Code Figure 93 or less: Dust Storms.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
KASHMIR																					
Srinagar (x)																					
Gulmarg (x)																					
Dras (x)																					
Leh (x)																					
Skardu x																					
Gilgit x																					
Misgar	71.3	—	80	12	46.6	—	42	2,3,15	0.15	—	0.09	22	0	—	6.5	—	0	0	0	0	0
Jammu (x)																					
Kargil x																					
NORTH PUNJAB																					
Lahore	107.1	+1.2	117	11	81.8	+2.8	74	8	0.60	—1.04	0.46	19	1	—1.8	3.4	+1.2	4	0	2	0	2
Sialkot	105.2	+0.2	118	11	82.1	+1.8	70	24	6.74	+4.35	4.96	23	3	−0.5	2.7	+0.6	0	0	0	0	0
Jhelum	106.1	—	121	11	80.5	—	13	8,15,23	3.52	—	2.00	28	3	—	2.6	—	9	0	0	4	5
Rawalpindi	106.1	+2.6	119	13	78.9	+3.0	62	14	0.00	—2.31	0.00	—	0	—3.3	3.0	+0.9	2	0	0	0	0
Khushab	107.6	+1.0	121	11	83.1	+0.8	72	23,24	0.98	—0.43	0.68	22	2	−0.3	5.7	+0.7	0	0	0	0	0
Lyallpur	105.1	−0.9	115	11	81.9	+0.2	71	23,24	1.29	+0.07	0.55	24	3	+0.9	3.6	+0.8	3	0	0	6	3
SOUTH PUNJAB																					
Montgomery	106.9	—0.9	114	9	82.2	—1.1	76	19	0.55	—0.43	0.35	19	2	+0.4	3.4	—1.4	1	0	0	2	3
Multan	109.9	+3.3	117	9	85.6	+0.8	76	6,8	0.00	—0.55	0.00	—	0	—1.0	3.7	+1.4	0	0	10	0	0
Fort Abbas	110.9	—	116	9,18	*	—	*	—	0.00	—	0.00	—	0	—	*	—	0	0	0	0	0
Bahawalpur	109.2	+0.8	117	18,19	84.1	+0.6	70	7	0.00	−0.28	0.00	—	0	—0.6	4.0 (c)	—0.5	0	0	0	0	1
Khanpur	110.2	+0.4	118	28	83.8	+0.8	75	5	0.00	—0.26	0.00	—	0	—0.6	7.1	0.0	0	0	0	3	2
N.-W. F. P. (Upper)																					
Chakdara	102.2	—	113	12	73.3	—	68	2,3	1.03	—	0.54	22	3	—	3.9 (c)	—	1	0	0	0	1
Peshawar	105.2	+0.2	116	12	79.1	+1.9	71	2	0.61	+0.30	0.47	22	1	+0.1	4.9	+2.7	6	0	0	0	4
Landikotal	96.5	—	108	12	73.8	—	61	3	0.77	—	0.30	22	2	—	4.5	—	5	0	0	0	0
N.-W.F.P. (Lower)																					
Bannu	105.1	—1.0	117	12	81.9	+2.2	75	3	0.64	—0.27	0.56	29	1	—0.5	3.8	—	0	0	0	0	4
Miranshah (R)																					
D. I. Khan	109.2	+1.4	118	11	81.7	+0.2	73	23,24	1.56	+0.95	1.56	23	1	−0.3	2.6	+0.8	0	0	0	0	0
HILL STATIONS (excluding Kashmir & Baluchistan)																					
Murree	81.0	+0.3	91	12	62.4	+1.9	53	2,3	2.20	—1.78	0.82	22	5	—0.8	6.0	+2.0	10	0	1	0	0
Cherat	94.7	+1.5	107	12	73.2	0.0	61	2,3	0.11	—1.03	0.05	15	0	−2.0	X	—	0	0	0	0	0
Drosh	91.5	—0.4	102	12	67.7	—0.8	54	1,3	0.93	+0.28	0.51	3	3	+1.0	4.6	+0.9	8	0	0	0	1
Parachinar	89.3	+1.0	99	13	65.5	+1.8	51	3	1.95	—0.05	1.32	23	3	—1.5	3.7	+1.3	1	0	0	0	0
Wana	96.6	+2.0	107	13	*	—	—	—	0.06	−0.37	0.05	22	0	—1.5	4.0	—	0	0	0	0	0

(*) Data rejected.
(R) Register not received

(x) Data not available.
(c) Mean for 28 days

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF JUNE 1953

SUB-DIVISION AND STATION	Maximum Temperature of the Air °F				Minimum Temperature of the Air °F				Precipitation (inches)						Wind Velocity (knots)		Weather Number of Days				
	Mean.	Departure from normal.	Highest.	Date.	Mean.	Departure from normal.	Lowest.	Date.	Total of the month.	Departure from normal.	Heaviest fall in 24 hours.	Date.	Days with 0.10 inch or more.	Departure from normal.	Mean.	Departure from normal.	Thunder heard.	Hail.	Visibility Code Figure 93 or Less: Fog.	Haze (dust)	Dust Storm.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
AFGHANISTAN																					
Jalalabad	105.0	—	116	12	76.0	—	68	3,28	0.00	—	0.00	—	0	—	3.8	—	0	0	0	0	0
Kabul	86.0	—0.9	97	13	56.4	+0.4	48	3,7	1.13	+0.96	0.94	2	2	+1.5	2.8	+0.6	0	0	6	0	0
Kandhar	98.6		105	12,27	63.0	—	54	3	0.20	—	0.15	2	1	—	1.2	—	0	0	0	0	0
BALUCHISTAN (North)																					
Fort Sandaman	99.7	+0.5	110	27	74.5	+1.6	59	3	0.80	+0.16	0.40	2,23	2	+0.7	4.0	+1.2					
Hindubagh	94.8	—	109	14	65.1		51	4,5	0.32	—	0.32	2	1	—	4.8	—	1		3		
Loralai	96.6		105	14	68 8		58	2	2.63	+2.28	2.50	23	1	+0.9	4.1		3			7	
Harnai									0.70	—0.05	0.60	24	2	+0.5							
Sibi	113.6	+0.9	123	28	88.9	+1.4	76	2	0.58	+0.28	0.32	2	2	+1.5	3.7	—1.2	2				1
Quetta	92.6		100	13,17,18	62.2		50	6	0.00		0.00	—	0		4.7	+2.5					1
Quetta (Samungli)	94.3		102	19	60.3		47	6	0.00		0.00	—	0		6.0		1			1	
Chaman	98.9	+0.1	107	17,18	72.9	+0 7	59	2	0.15	+0.13	0.15	2	1	+1.0	4.7	+0.4	1				
Nushki	105.7		115	12,13,29	78.1		64	2	0.05		0.05	1	0		x	—					1
Kalat	89.7	—0.6	99	13	59.6	+1.9	43	5	0.20	+0.01	0.20	24	1	+0.6	4.6	—0.2					
Dalbandin	107.1	—0.2	115	27	73.5	+0.5	59	5	0.02	+0.01	0.02	2	0	0.0	5.4	+0.6	1			4	1
Nokkundi	108.5	—0.8	118	12	76.0	—5.4	68	23,24	0.00	—0.00	0.00	—	0	0.0	9.4	—1.4					
BALUCHISTAN (South)																					
Lasbella	110.5	+4.9	121	9	*	—	—	—	0.00	—0.42	0.00	—	0	—1.2	3.3	0.0					
Ormora	95.1	+2.4	113	23	82.8	+0.8	79	13	0.03	0.00	0.02	23	0	—0.2	11.2	+2.4					
Pasni	96.6	+2.8	113	23	79.3 (c)	+0.8	71	6	0.00	—0.26	0.00	—	0	—0.2	9.0 (b)	+2.4			2		
Turbat	112.8		124	22	82.8	—	76	6,25	0.20		0.20	24	1		6.6						1
Panjgur	101.7	—1.5	111	12	63.2	—1.4	58	4	0.00	—0.12	0.00	—	0	—0.4	6.0	+1.2					
SIND (Upper)																					
Reti(R)																					
Jacobabad	112.4	—1.5	123	28	86.4	+1.5	77	5	0.06	—0.20	0.03	23,25	0	—0.3	8.9	+2.7	2				
Sukkur	110.3	+1.2	118	26,27	83.1	—0.3	77	6,8	0.00	—0.14	0.00	—	0	—0.5	4.5	+0.3					
Padidan	x	—	—	—	81.6		66	5	0.00		0.00	—	0	—	9.1						
SIND (Lower)																					
Umarkot	105.6		114	22	81.2		75	7	1.87		1.73	24	2		10.2						6
Chhor	104.5		116	22	81.0		73	6	0.75		0.75	23	1		11.4						1
Hyderabad	105.4	+0.9	115	7,8	81.6	—0.4	72	1	1.30	+0.91	0.77	23	2	+1.4	9.0	—0.8					
Karachi (Airport)	96.5		116	23	28.0		76	24	1.62		1.10	24	2		10.4		2				
Karachi (Manora)	91.4 (c)	+1.0	105	23	28.8	+0.5	74	24	2.19	+1.47	1.98	24	2	+1.4	9.9	—1.2	1				1
Badin	103.5	+2.5	113	6,7,23	x	—	—	—	1.40	+0.75	1.40	24	1	+0.2	8.1						
IRAN																					
Jask	96.9	+0.5	105	20	84.0	+0.9	77	5	0.00	—0.04	0.00	—	0	—0.1	9.1	+1.5				1	
ARABIA																					
Muscat	97.6	—0.5	104	21,23,24	87.1	—1.0	80	17	0.00	—0.08	0.00	—	0	—0.1	3.7	+0.3					
Kuwait	101.0		110	9,19	84.4		80	6	0.00		0.00	—	0		8.5					1	

(R) Register not received (x) Data not available. (b) Mean of 29 days. (c) Mean of 28 days.

REGD. No. S. 1452

PAKISTAN WEATHER REVIEW, 1953

MONTHLY WEATHER REPORT

JULY

(PUBLISHED BY THE AUTHORITY OF THE GOVERNMENT OF PAKISTAN)

CHIEF FEATURES:

(1) Active monsoon over West Pakistan during the 2nd week.
(2) Active monsoon over East Pakistan throughout the month with heavy falls on many days.

West Pakistan:

The accentuation of the seasonal low over Baluchistan on the first two days of the month was responsible for scattered dust/thunderstorm activity over the North-West Frontier Province and the north Punjab on the 2nd and the 3rd and over north-east Baluchistan on the 4th.

A low pressure wave moving across the northern parts of West Pakistan caused wet spell over the North-West Frontier Province and north-east Baluchistan on the 5th and the 6th.

The movement of a low from Central India to Rajputana resulted in the incursion of monsoon into West Pakistan on the 7th. Marked spell of rain or thundershower activity prevailed over most of West Pakistan during the 2nd week. It weakened thereafter and remained so during the rest of the month.

The advance of monsoon into West Pakistan was preceded by a heatwave over the North-West Frontier Province, the north Punjab and north Baluchistan between the 3rd and the 6th. According to newspapers, a large number of fatal heatstroke cases were reported from Rawalpindi, Peshawar and Attock districts.

Heavy monsoon rain resulted in the submersion of large tracts of land in upper Sind, Khairpur State and the south Punjab. Many houses and hutments collapsed on the 7th and the 8th, due to heavy rain. In Peshawar and Attock districts death toll was reported to be as high as 600.

However, three other westerly low pressure waves moved to the north of West Pakistan during the 2nd fortnight and caused light rain or thunderstorm activity over the North-West Frontier Province, the Punjab and north Baluchistan on many days during the period.

Some of the noteworthy amounts of rainfall recorded during the month were:—Chakdara and Multan 2″ each, Montgomery, Leiah, Harnai and Badin 1″ each on the 7th; Cherat 3″, Chakdara and Harnai 1½″ each, Peshawar, Landi Kotal and Sibi 1″ each on the 8th; Sukkur 4″, Reti and Pad Idan 2″ each, Sialkot and Jacobabad 1½″ each on the 9th; Sialkot and Murree 2″ each, Parachinar 1½″ and Sukkur 1″ on the 10th; Rawalpindi 3″, Murree 2″, Lahore, Sialkot and Jhelum 1½″ each on the 11th; Lahore 6″, Rawalpindi and Jhelum 3″ each and Murree 2″ on the 12th Lyallpur and Rawalpindi 2″ each on the 14th; Sialkot 1½″, Jhelum and Chakdara 1″ each on the 15th; Fort Sandeman 1″ on the 16th; Rawalpindi 1½″ on the 19th; Murree 1½″ on the 20th; Sialkot 1½″ on the 22nd; Rawalpindi 2″ and Murree 1″ on the 23rd; Harnai 1″ on the 24th and Bannu 1″ on the 29th.

The mean actual rainfall during the month was in large excess over the upper North-West Frontier Province and upper Sind, in moderate excess over the north Punjab: normal over lower North-West Frontier Province and north Baluchistan and in large defect elsewhere over the region outside the south Punjab where it was in moderate defect. Averaged over the plains of West Pakistan as a whole it was in slight excess.

The mean maximum temperature was below normal in the upper North-West Frontier Province and upper Sind and normal elsewhere. The mean minimum temperature was normal over the region outside south Baluchistan where it was above normal.

The mean relative humidity was in excess over the North-West Frontier Province and normal elsewhere over the region. Skies were more clouded than usual in the south Punjab and upper Sind and normally clouded in the rest of the region.

East Pakistan:

Monsoon remained active over East Pakistan throughout the month, causing spell of wet weather over there with heavy falls on many days.

Some of the outstanding rainfall amounts reported during the month were :—Cox's Bazar 5″, Noakhali and Faridpur 4″ each on the 4th; Chittagong, Dacca, Narayanganj and Barisal 4″ each on 5th; Cox's Bazar 5″, Chittagong and Sirajganj 4″ each on the 6th; Cox's Bazar 7″ on the 7th; Dinajpur 4″ on the 11th; Chittagong and Sirajganj 4″ each on the 18th; Rangpur 6″ on the 22nd; Mymensingh 5″ and Bogra 7″ on the 23rd; Faridpur 5″ and Sirajganj 4″ on the 25th; Khulna and Faridpur 5″ each and Comilla 4″ on the 20th.

The mean actual rainfall was in large excess over the northern, in moderate excess over the deltaic, and in slight excess over the eastern sub-division of East Pakistan. Averaged over the region, as a whole, it was in moderate excess.

The mean maximum and minimum temperatures and the mean relative humidity was normal over the region. Skies were normally clouded over East Pakistan.

Table I contains the divisional and sub-divisional means of rainfall, temperature, relative humidity and cloud amount for the 5 chief divisions and 12 sub-divisions of Pakistan. These means are based on the observations. at the stations whose monthly means are given in the subsequent tables.

TABLE I.—DIVISIONAL AND SUB-DIVISIONAL MEANS FOR JULY 1953

Division	PRECIPITATION				DEPARTURE FROM NORMAL OF				
	Actual	Normal	Departure from normal	Percentage departure from normal	Maximum temperature	Minimum temperature	03 hrs. G.M.T.		
							Vapour pressure	Relative humidity	Cloud
1	2	3	4	5	6	7	8	9	10
	"	"	"		°	°	mb.	%	
East Pakistan	21.83	15.83	+6.00	+38	—0.3	+0.4	+0.7	+2	+0.5
Mean of East Pakistan	21.83	15.83	+6.00	+38	—0.3	+0.4	+0.7	+2	+0.5
(1) Punjab	5.29	4.22	+1.07	+25	—0.9	+0.7	+0.5	+1	+0.3
(2) N.-W.F.P.	2.00	1.89	+0.11	+6	—2.1	+0.5	+2.7	—6	+0.2
(3) Baluchistan	0.86	0.99	—0.13	—13	+0.5	+1.7	+1.4	0	—0.2
(4) Sind	2.14	2.51	—0.37	—15	0.0	+0.5	+0.7	—1	+0.1
Mean of West Pakistan excluding Baluchistan	3.67	3.24	+0.43	+13	+0.6	+0.6	+0.9	+1	+0.2
East Pakistan (North)	21.21	13.05	+8.16	+63	—0.9	+0.9	+0.4	+2	+0.7
East Pakistan (East)	23.36	19.15	+4.19	+22	—0.2	+0.4	+0.8	+2	+0.7
East Pakistan (Deltaic)	20.11	13.84	+6.27	+45	—0.2	0.0	+0.8	+3	+0.3
Kashmir(*)	..	..	..	..	..	..	..	..	..
North Punjab	8.16	5.73	+2.43	+42	—1.5	+0.9	+1.8	+3	+0.2
South Punjab	1.71	2.35	—0.64	—27	—0.3	+0.4	—0.5	0	+0.4
N.-W.F.P. (Upper)	1.84	1.16	+0.68	+58	—2.8	+0.9	+2.7	+7	+0.3
N.-W.F.P. (Lower)	2.09	2.25	—0.16	—7	—1.8	+0.3	+2.7	+6	+0.1
Baluchistan (North)	1.15	1.12	+0.03	+3	+0.5	+1.6	+2.0	+1	+0.1
Baluchistan (South)	0.07	0.64	—0.57	—90	+0.5	+2.2	0.0	—4	—0.8
Sind (Upper)	3.85	1.19	+2.66	+223	—2.3	—0.3	—1.1	—1	+1.1
Sind (Lower)	0.96	3.38	—2.42	—72	+1.6	+1.3	+1.9	0	—0.6

* Data incomplete.

SUB-DIVISION AND STATION	Hours of observation.	Height of bar cistern above mean sea level.	Mean Pressure: Station level reduced to standard temperature and gravity.	Mean Pressure: Departure from normal.	Mean Pressure: Reduced to standard temperature and M.S.L. or nearest Gpk.m. level.	MEAN TEMPERATURE OF THE AIR AND HUMIDITY: Dry bulb.	Wet bulb.	Dew point.	Vapour pressure.	Departure from normal.	Relative humidity.	Departure from normal.	Total Cloud Amount: Mean amount.	Departure from normal.	Wind Direction Number of Observations From:— N	NE	E	SE	S	SW	W	NW	Calm
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	GMT	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	ohaits										
EAST PAKISTAN (NORTH)																							
Pabna	0300					84.1	80.5	79.0	34.0	+0.4	85	+1											
Sirajganj	0000	49	998.7		1000.4	80.3	79.3	78.9	33.4		96		7.0		0	0	3	15	2	1	0	0	10
	0300		1000.2		1001.9	82.6	80.1	79.1	34.4		89		6.8		0	0	4	15	5	2	0	0	5
	1200		997.4		999.1	83.8	80.7	79.3	34.8		83		5.9		0	0	1	12	7	0	1	0	10
Bogra	0000	65(x)	998.7		1001.0	79.7	78.6	78.0	33.4		96		7.6		0	0	1	0	3	0	0	0	27
	0300	63	999.9	+1.2	1002.0	82.4	80.1	79.4	33.3	+0.1	89	+4	7.0	+0.7	0	1	7	9	5	8	0	0	1
	1200	63	996.9		999.1	85.1	80.0	77.7	32.7		79		5.7		0	1	7	15	1	6	0	0	1
Dinajpur	0000	123	998.0		1002.2	80.3	79.0	78.5	32.6		93		6.6		0	4	7	2	0	0	0	0	18
	0300		999.1	+2.6	1003.3	82.7	79.9	78.7	33.6	+0.8	87	+1	7.0	+0.8	0	5	2	1	0	0	0	0	23
	1200		996.4		1000.6	84.1	80.3	78.9	33.2		83		6.2		0	4	1	0	0	0	0	0	26
Rangpur																							
	0300												6.9	—	0	8	20	2	1	0	0	0	0
	1200												5.5		0	6	16	2	0	0	0	0	7
EAST PAKISTAN (EAST)																							
Cox's Bazar	0000	+10	(a) 1003.0		1003.3	78.6	77.1	76.3	31.5		93		7.1		0	0	11	7	9	2	0	1	1
	0300	38	1004.1	+2.8	1005.4	81.5	79.0	78.0	32.2	+0.3	89	+1	6.9	+0.4	0	0	0	8	11	1	0	0	11
	1200		1001.9		1003.2	82.1	79.0	77.7	32.5		87		6.8		0	0	0	8	8	1	0	0	14
Chittagong	0000	87																					
	0300		1001.3	+1.8	1004.2	81.5	78.4	77.2	31.4	+0.2	87	+1	6.8	+0.5	0	0	2	16	8	1	0	0	4
	1200		998.7		1001.7	82.2	78.7	77.3	31.7		85		6.6		1	0	0	9	15	6	0	0	0
Noakhali (Majdee)	0000	22	(%) 1002.0		(%) 1002.8	79.7	77.8	77.3	31.9		91		(a) 6.6		0	0	0	10	2	0	0	0	(a) 18
	0300		(%) 1003.2	+2.1	(%) 1004.0	81.3	78.8	77.5	32.2	—0.4	89	+1	6.8	+1.2	0	0	0	11	1	0	0	0	19
	1200		(%) 1001.2		(%) 1002.0	83.3	79.4	77.6	32.0		83		6.6		0	0	0	18	2	0	0	0	11
Brahmanbaria	0000	32	1001.2		1002.3	79.4	78.1	77.5	31.5		93		6.5		0	0	4	4	17	0	0	0	6
	0300		1002.3		1003.4	82.6	79.4	78.2	33.6	+2.8	87	+6	6.2		0	0	0	7	20	2	1	0	1
	1200		999.5		1000.6	84.3	80.4	78.8	33.2		83		5.8		0	0	0	5	20	1	0	0	5
Comilla	0000	29	1001.9		1003.5	78.5	77.5	77.5	32.3		95		7.1		0	0	0	10	1	0	0	0	20
	0300		1002.5	+1.5	1003.5	81.1	78.9	78.0	32.9	+0.7	91	+6	7.1	+1.3	1	0	0	12	9	0	0	0	9
	1200		999.7		1000.7	83.8	80.1	78.6	34.0		85		6.5		0	0	0	12	11	0	1	0	7
Narayanganj	0000	26	1001.2		1002.1	80.6	78.8	78.2	32.9		91		7.3		0	0	3	4	16	3	0	0	5
	0300		1002.3	+1.8	1003.2	82.6	79.4	78.2	33.6	+0.7	87	+2	7.3	+0.3	0	2	1	6	14	6	2	0	0
	1200		999.4		1000.3	83.8	79.7	78.1	33.2		83		6.9		0	0	0	4	20	1	1	0	5
Srimangal	0000	69	1000.5		1002.9	77.2	76.1	75.5	30.2		95		6.8		0	0	1	8	7	1	0	0	14
	0300		1001.4	+1.3	1003.8	81.8	78.5	77.0	31.7	—0.1	85	—1	6.5	+1.1	1	0	1	14	14	0	0	0	1
	1200		998.1		1000.5	82.7	79.8	78.6	33.6		87		6.9		0	1	1	6	18	4	1	0	0
Mymensingh	0000	62	999.5		1001.7	80.1	79.1	78.6	33.4		96		7.5		0	0	13	0	0	0	0	0	18
	0300		1001.2	+1.5	1003.4	83.3	80.8	79.8	34.4	+1.9	89	+2	6.7	—0.2	0	0	10	0	0	0	0	0	21
	1200		998.3		1000.5	85.6	81.8	80.3	35.5		84		6.7		0	0	7	0	0	0	0	0	24

(x) Observations at 0000 his were taken at distant site by P.B.O. staff.

(a) Observation for 30 days.

(%)—Pressures of (Naukhali) (Majdee) were exprapolated from Comilla and those of Barisal from Khulna.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF JULY 1953

SUB-DIVISION AND STATION	Hours of observation	Height of bar cistern above mean sea level	Mean Pressure: Station level reduced to standard temperature and gravity	Mean Pressure: Departure from normal	Mean Pressure: Reduced to standard temperature and M.S.L. or nearest Gpm level.	Mean Temperature of the Air and Humidity: Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Total Cloud Amount: Mean	Departure from normal	Wind Directions Number of Observations From :— N	NE	E	SE	S	SW	W	NW
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	Oktas									
EAST PAKISTAN (DELTAIC)																						
Faridpur	0000		998.8		1000.4	70.8	78.7	78.3	33.4		96		7.1		0	0	0	4	12	2	0	0
	0300	46	1000.7	+1.4	1002.3	83.0	78.2	78.8	33.6	−0.1	87	+2	6.6	+0.4	0	0	1	4	12	6	0	0
	1200		998.7		1000.3	83.7	80.1	78.5	34.0		85		6.2		0	0	0	4	15	0	1	0
Barisal	0000		(%) 1001.4		(%) 1001.8	79.1	78.5	78.2	33.1		98		7.3		0	0	0	10	10	4	0	0
	0300	11	% 1002.5	+1.8	% 1002.9	82.5	79.9	78.8	34.4	+1.3	89	+2	7.0	+0.7	0	0	0	11	10	3	0	0
	1200		% 999.4		% 999.8	82.7	79.7	78.6	33.6		87		7.2		1	0	1	7	17	2	0	0
Khulna	0000		1001.0		1001.6	79.9	78.6	78.2	32.6		93		6.9		0	0	0	10	5	3	0	0
	0300	16	1002.2	+2.4	1002.7	83.3	80.1	78.7	33.6	+0.8	87	+4	6.8	−0.2	0	1	0	12	2	11	0	0
	1200		1000.0		1000.6	82.7	79.3	77.9	33.0		85		5.0		0	0	0	8	8	6	0	0
Jessore	0000		1000.1		1001.0	79.8	78.7	78.5	33.4		96		5.6		0	0	2	7	13	1	0	0
	0300	26	1001.2	+1.4	1002.1	83.5	80.8	79.8	34.4	+0.8	89	+4	5.8	−0.6	0	1	3	5	14	7	0	1
	1200		999.3		1000.2	84.9	80.9	79.4	34.3		83		6.5		0	0	3	2	6	7	0	0
Satkhira	0000		999.7		1000.2	80.1	78.9	78.5	33.4		96		6.8		0	0	1	6	2	7	0	0
	0300	16	1001.4	+1.9	1001.9	83.7	80.6	79.0	34.6	+1.1	87	+2	6.6	+0.7	0	1	0	12	4	11	0	0
	1200		998.6		999.1	84.4	80.4	78.6	33.2		83		6.9		1	1	0	14	3	11	0	0
KASHMIR																						
Srinagar (X)	0000	5205																				
	0300																					
	1200																					
Gulmarg (X)	0000	8709																				
	0300																					
	1200																					
Dras (X)	0000	10059																				
	0300																					
	1200																					
Leh (X)	0000																					
	0300																					
	1200																					
Skardu (X)	0000	7505																				
	0300																					
	1200																					
Gilgit (X)	0000	4890																				
	0300																					
	1200																					
Misgar	0000	10190	696.2		705.0	57.5	44.3	31.0	5.8		36		1.5		0	0	2	0	0	0	13	0
	0300		696.9	—	705.6	59.3	45.9	32.5	6.4	—	37	—	1.6	—	0	0	2	0	0	0	8	0
	1200		692.9		701.3	77.1	52.4	29.6	5.7		18		2.1		0	0	16	0	0	0	12	0

SUB-DIVISION AND STATION	Hours of observation	Height of bar cistern above mean sea level	Mean Pressure: Station level reduced to standard temperature and gravity	Mean Pressure: Departure from normal	Mean Pressure: Reduced to standard temperature and M.S.L. or nearest Gpm. level.	Mean Temperature of the Air and Humidity: Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Total Cloud Amount: Mean amount	Departure from normal	Wind Directions Number of Observations From :— N	NE	E	SE	S	SW	W	NW	Calm.
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
KASHMIR—contd.																							
Jammu (X)	0000	1200																					
	0300																						
	1200																						
Kargil (X)	0000																						
	0300	8790																					
	1200																						
NORTH PUNJAB																							
Lahore	0000	702	973.0		996.7	83.6	80.1	78.6	33.5		85		3.9		0	1	2	9	1	1	0	0	17
	0300		974.5	+0.5	998.0	86.0	80.7	78.4	33.9	+4.5	79	+10	4.0	+0.8	0	4	0	15	1	2	1	2	6
	1200		971.7		994.8	96.1	84.0	79.0	34.2		59		3.8		0	2	2	10	0	3	2	6	6
Sialkot	0000	830	968.5		996.4	82.0	78.3	76.5	31.4		85		5.2		0	5	8	8	0	1	1	0	8
	0300		968.7	—1.3	996.5	84.2	78.9	76.5	31.3	+1.4	77	+2	4.4	+1.2	0	7	5	12	0	0	0	1	6
	1200		968.3		995.6	92.9	81.8	77.3	32.0		61		3.7		0	4	4	9	1	5	1	3	4
Jhelum	0000	765	971.3		997.1	82.7	78.1	76.1	30.8		81		5.1		1	0	1	9	0	0	0	1	19
	0300		972.7	—	998.4	85.5	78.7	75.6	30.5	—	72	—	4.3	—	0	0	5	14	2	1	0	0	9
	1200		969.8		995.6	93.4	81.0	75.9	30.6		56		3.9		1	2	0	12	6	7	0	0	3
Rawalpindi	0000	1676	941.4		887.6	80.8	75.2	72.8	27.6		77		3.6		0	0	0	0	0	0	5	0	26
	0300		942.6	+0.3	889.4	85.6	76.4	72.6	27.3	+0.8	65	—1	3.6	+0.2	0	0	0	2	0	1	7	0	21
	1200		940.2		887.8	93.9	78.4	71.8	26.8		49		3.2		0	0	0	3	1	0	4	0	24
Khushab	0000	616	975.5		996.2	84.8	79.4	77.2	31.8		77		2.3		2	10	10	3	1	2	1	0	2
	0300		976.9	+0.2	997.4	88.1	79.9	76.6	31.4	+2.3	68	+2	2.2	—0.3	0	8	11	6	2	2	2	0	0
	1200		973.6		993.9	98.8	81.4	73.7	28.7		45		1.6		0	3	9	7	7	5	0	0	0
Lyallpur	0000	605	975.6		996.0	84.7	77.8	75.0	29.4		72	—2	2.7		0	1	2	4	7	5	0	0	12
	0300		977.1	+0.6	997.4	86.0	78.7	75.0	29.7	+1.5	70	+7	2.4	—0.8	0	2	1	6	9	5	1	0	7
	1200		974.5		994.2	97.6	81.2	73.5	28.9		47		2.6		2	2	2	6	8	5	0	1	5
SOUTH PUNJAB																							
Montgomery	0000	558	976.6		995.3	84.8	77.8	74.5	29.4		72		2.2		0	0	1	3	2	3	3	0	19
	0300		977.9	—0.2	996.6	86.9	78.7	74.9	29.8	—1.9	69	—1	2.3	+0.4	0	1	0	4	0	0	7	0	19
	1200		975.2		993.4	100.2	81.2	72.9	27.7		42		24		0	0	3	2	2	2	2	0	23
Multan	0300	413	982.8	+0.3	996.6	88.1	80.5	77.3	32.1	—0.3	71	+3	4.3	+2.5	3	2	1	0	13	10	0	1	1
	1200		980.0		993.5	100.8	83.1	75.6	30.6		46		3.8		2	3	1	0	10	11	0	1	3
Fort Abbas	0000	475	979.7		995.6	86.7	79.4	75.7	31.0		71		0.4		0	0	0	3	0	26	0	2	0
	0300		981.2	—	997.0	90.7	81.1	77.2	31.9	—	65	—	0.3	—	0	0	0	2	0	26	0	3	0
	1200		978.1		993.8	100.8	86.5	80.7	36.6		54		0.8		1	1	1	4	0	20	0	3	1

(X) Data not available.

(a) Mean for 30 days

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF JULY 1953

SUB-DIVISION AND STATION	Hours of observation	Height of bar cistern above mean sea level	MEAN PRESSURE: Station level reduced to standard temperature and gravity.	MEAN PRESSURE: Departure from normal	MEAN PRESSURE: Reduced to standard temperature and M.S.L. or nearest Gpm level.	MEAN TEMPERATURE OF THE AIR AND HUMIDITY: Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	TOTAL CLOUD AMOUNT: Mean amount	Departure from normal	WIND DIRECTIONS NUMBER OF OBSERVATIONS FROM:— N	NE	E	SE	S	SW	W	NW	Calm
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
SOUTH PUNJAB—contd.																							
Bahawalpur	0300	384	983.9	+0.3	996.8	89.3	79.6	75.6	30.1	—1.8	64	—4	1.2	—1.0	0	8	1	0	6	15	0	0	1
	1200		981.1		993.7	101.7	82.2	73.8	28.6		41		2.5		1	7	1	0	0	18	1	0	3
Khanpur	0300	297	987.5	+0.8	997.6	88.9	80.3	76.7	31.4	+2.0	67	+1	1.9	—0.2	0	1	1	0	6	20	1	1	1
	1200		983.7		993.4	102.2	82.7	74.5	29.3		41		2.9		1	2	2	1	6	15	1	1	2
N.-W.F.P. (Upper)																							
Chakdara	0000	2225	922.3		887.8	77.7	72.8	70.4	25.6		78		5.3		3	3	0	0	0	1	0	1	23
	0300		923.2	—	888.8	81.8	74.5	70.4	25.2	—	70	—	4.5	—	0	2	1	1	0	3	1	1	22
	1200		920.6		887.3	92.7	79.9	75.0	29.6		57		3.6		0	0	0	0	2	8	4	5	12
Peshawar	0000	1175	956.8		996.0	83.3	76.0	72.3	27.3		70		3.3		7	1	0	0	1	1	1	11	9
	0300		958.2	—0.1	997.2	86.2	77.4	73.0	28.1	+2.7	65	+7	3.1	+0.3	12	3	0	2	0	0	0	7	7
	1200		954.8		993.0	96.6	78.7	70.2	25.4		43		4.3		4	16	1	2	3	3	0	2	9
Landikotal	0000	3503	882.9		889.6	77.4	71.0	67.9	23.3		72		2.6		0	12	1	0	0	0	0	0	18
	0300		884.0	—	890.7	82.0	72.9	69.0	24.0	—	64	—	2.2	—	3	17	0	1	0	1	1	1	7
	1200		881.2		887.5	90.2	75.2	68.8	23.7		49		3.0		1	14	13	0	0	0	0	1	2
N.-W.F.P. (Lower)																							
Bannu	0000	1264	953.5		995.6	84.0	77.6	74.2	29.4		73		2.6		6	9	7	1	1	0	3	3	1
	0300		954.7	—	996.5	88.1	79.2	75.1	30.1	+3.6	65	+7	2.7	+0.6	5	2	9	4	1	2	3	2	3
	1200		952.2		993.3	96.7	79.8	71.7	27.1		45		3.6		0	4	9	11	4	1	1	1	0
Miranshah (R)	0000	3026																					
	0300																						
	1200																						
D. I. Khan	0000	570	976.2		995.4	84.2	79.2	77.5	31.8		79		1.1		0	13	2	0	0	0	0	0	16
	0300		978.4	+1.1	997.5	87.0	80.6	78.4	32.8	+1.9	74	+5	1.7	—0.3	6	9	3	0	2	0	0	0	11
	1200		975.3		994.0	100.7	83.9	76.8	32.0		48		1.5		2	5	4	1	4	1	0	0	14
HILL STATIONS (excluding Kashmir & Baluchistan)																							
Murree	0000	7113	778.6		794.1	63.4	61.8	60.6	18.3		92		6.0		2	2	2	5	1	5	5	7	2
	0300		779.9	—0.4	795.2	66.3	63.0	61.1	18.5	+1.3	84	+6	2.9	+1.8	0	0	3	7	1	0	12	5	3
	1200		779.0		794.2	71.3	66.5	64.1	20.5		78		6.0		0	0	2	3	1	2	10	12	1
Cherat	0000	4272	864.3		894.5	74.5	69.4	66.7	22.5		77		0.5		1	1	1	23	0	3	0	2	0
	0300		864.1	+2.2	894.3	75.1	70.2	67.9	23.2	+2.6	77	+5	1.2	—1.9	0	2	1	22	0	5	0	1	0
	1200		862.6		892.9	85.1	73.2	67.7	23.0		55		2.3		0	1	0	27	0	2	1	1	0
Drosh	0000	4806	844.7	—2.1	890.2	77.3	67.9	62.7	19.5	+3.7	60	+5	1.3	—0.1	0	1	1	2	4	2	1	0	20
	0300		845.2		890.5	79.8	70.1	65.1	21.2		61		1.3		0	0	0	0	0	4	1	0	26
	1200		841.4		885.0	94.1	75.6	67.0	22.7		41		2.2		0	0	0	0	1	24	5	0	1

(R) Data not received.

SUB-DIVISION AND STATION	Hours of observation.	Height of bar cistern above mean sea level.	Mean Pressure: Station level reduced to standard temperature and gravity.	Mean Pressure: Departure from normal.	Mean Pressure: Reduced to standard temperature and M.S.L. or nearest Gpm. level.	Mean Temperature of the Air and Humidity: Dry bulb.	Wet bulb.	Dew point.	Vapour pressure.	Departure from normal.	Relative humidity.	Departure from normal.	Total Cloud Amount: Mean amount.	Departure from normal.	Wind Direction Number of Observations From :— N	NE	E	SE	S	SW	W	NW	Calm.
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
HILL STATIONS (excluding Kashmir and Baluchistan)—contd.	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas										
Parachinar	0000	5673	819.7		793.5	68.8	64.5	62.1	19.2		80		3.6		15	6	1	1	0	0	0	1	7
	0300		820.1	−0.3	794.4	76.3	67.7	61.7	20.0	+2.6	65	+5	1.9	−0.6	0	4	2	1	1	0	1	1	21
	1200		818.9		793.3	79.0	69.2	62.7	20.8		62		4.0		1	7	1	9	3	1	0	0	9
Wana	0300	4503	854.4	—	890.9	80.8	72.7	68.8	24.2	+4.6	67	+5	0.5	−1.0	0	0	0	0	0	0	0	0	31
	1200		852.3		888.4	83.7	75.0	71.2	26.1		66		2.1		0	5	0	2	0	0	0	0	24
AFGHANISTAN																							
Jalalabad	0300	1950	927.8	—	885.0	88.1	75.7	70.4	25.3	—	55	—	2.8	—	1	0	5	1	1	0	4	0	19
	1200		923.4		881.8	99.6	80.6	73.7	27.9		43		2.6		0	1	27	0	0	0	0	0	3
Kabul	0300	5955	815.0	—	797.6	69.2	56.9	47.2	11.4	+0.6	47	+9	0.6	0.0	0	1	1	1	2	3	10	8	5
	1200		812.6		795.9	90.8	64.1	45.8	10.8		23		1.5		13	13	1	2	1	0	0	1	0
Kandhar	0300	3462	879.6	—	885.0	77.5	66.1	59.3	17.5	—	54	—	1.1	—	0	4	0	0	0	0	0	0	27
	1200		876.4		881.8	97.1	75.0	63.8	20.7		34		0.8		0	1	0	0	0	4	0	1	25
BALUCHISTAN (NORTH)																							
Fort Sandaman	0300	4614	851.2	+0.1	890.9	82.1	69.3	62.0	18.8	−0.5	51	−10	2.0	+0.6	2	2	1	0	0	0	2	0	24
	1200		848.8		887.5	92.2	68.8	52.0	14.4		29		5.6		1	3	6	6	3	2	1	0	9
Hindubagh	0000	5909	813.1		794.7	72.8	69.7	68.0	24.0		86		0.8		0	1	1	1	1	2	7	6	12
	0300		814.1	—	795.5	78.3	74.2	70.3	27.5	—	83	—	1.9	—	0	3	6	3	0	7	2	0	10
	1200		810.7		793.8	94.1	87.1	86.3	41.3		76		3.3		1	1	7	2	1	4	10	3	2
Loralai	0000	4699	846.9		888.8	71.7	66.2	62.1	19.7		94		1.3		0	0	0	1	0	3	1	0	26
	0300		848.1	—	890.3	79.2	70.1	66.4	22.4	—	65	—	1.7	—	3	1	2	1	1	3	1	0	19
	1200		845.9		887.2	91.5	72.1	61.7	17.9		39		3.6		2	1	1	10	8	7	0	0	2
Sibi	0000	441	980.6		995.3	89.5	78.5	73.8	28.3		59		2.6		0	1	1	5	3	1	0	0	20
	0300		981.5	+0.6	996.1	90.6	80.4	76.1	30.6	+3.5	63	+8	2.5	+0.9	0	1	1	11	11	2	1	0	4
	1200		978.1		992.2	105.6	83.0	73.3	28.2		36		2.5		0	1	0	4	11	14	1	0	0
Quetta	0300	5490	824.7	−1.3	794.4	77.4	69.1	64.7	20.7	+2.6	65	+4	1.0	−0.1	0	1	0	4	11	14	1	0	0
	1200		822.1		792.8	92.5	69.8	57.0	16.8		32		3.0		8	0	1	1	10	3	0	0	16
Quetta (Samungli)	0000	5253	832.5		795.0	70.6	63.6	59.0	17.4		68		1.2		0	0	7	24	0	0	0	0	0
	0300		833.7	—	796.6	77.5	67.4	61.6	19.3	—	60		1.4	—	0	2	4	17	0	0	1	1	6
	1200		831.1		795.3	94.5	66.9	48.2	12.6		23		2.6		0	0	0	2	3	9	10	6	1
Chaman	0000	4311	858.1		889.0	81.7	67.1	56.5	18.0		49		1.0		0	2	10	11	6	1	0	0	1
	0300		859.5	−0.2	889.8	87.2	70.3	59.6	18.3	+5.4	41	+8	0.5	−0.2	0	0	1	2	6	13	4	1	3
	1200		857.2		886.5	101.3	71.2	51.9	13.7		20		0.4		2	0	1	0	0	6	17	4	1
Nushki	0000	3416	890.7		895.2	86.8	66.6	52.8	14.5		33		0.0		1	2	11	1	3	0	0	1	12
	0300		892.6	—	896.4	89.3	68.8	55.5	15.5	—	33	—	0.3		4	6	9	3	4	1	0	2	2
	1200		890.3		894.4	105.2	74.8	56.0	16.7		22		0.5		2	1	0	0	3	7	5	13	8

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF JULY 1953

DIVISION AND STATION	Hours of observation.	Height of bar cistern above mean sea level.	Mean Pressure: Station level reduced to standard temperature and gravity.	Mean Pressure: Departure from normal.	Mean Pressure: Reduced to standard temperature and M.S.H. or nearest Gpm. level.	Mean Temperature of the Air and Humidity: Dry bulb.	Wet bulb.	Dew point.	Vapour pressure.	Departure from normal.	Relative humidity.	Departure from normal.	Total Cloud Amount: Mean amount.	Departure from normal.	Wind Direction Number of Observations From :— N	NE	E	SE	S	SW	W	NW	Calm
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
BALUCHISTAN (NORTH)—contd.	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas										
Kalat	0000	6616	793.7		795.2	65.7	57.3	50.7	12.8		60		0.9		0	0	0	0	21	0	0	0	10
	0300		794.8	+0.9	796.2	73.6	62.7	54.2	14.3	+0.2	51	+4	0.6	−1.0	0	0	0	0	10	0	0	0	21
	1200		792.7		794.3	87.5	62.8	45.2	10.6		25		1.8		9	1	3	0	4	0	5	5	2
Daibandin	0000	2785	904.0		888.5	82.9	61.9	44.5	10.5		27		0.9		1	3	0	5	1	7	2	5	7
	0300		905.4	−0.4	890.0	87.5	64.5	46.1	11.3	−1.4	25	−8	1.6	+0.6	0	1	2	0	2	7	3	0	16
	1200		902.6		887.8	107.7	72.0	48.1	12.5		15		1.8		0	0	2	4	2	13	3	2	5
Nokkundi	0000	2229	921.6		888.8	85.4	69.7	59.7	17.5		41		0.0		14	1	1	1	0	1	0	12	1
	0300		922.7	—	890.2	90.9	72.6	62.5	19.7	+2.5	40	+2	1.0	−0.0	10	2	3	2	0	0	1	11	2
	1200		920.6		889.1	108.8	78.9	61.4	21.3		25		0.8		11	2	1	0	0	1	3	13	0
BALUCHISTAN (South)																							
Lasbela	0000	292	988.3		998.3	83.9	80.4	79.0	34.0		85		6.5		0	0	0	0	0	0	0	0	31
	0300		989.3	+0.5	999.3	85.9	80.8	78.3	33.9	+1.0	79	−2	4.6	−0.8	0	2	2	8	1	3	0	1	14
	1200		986.1		995.8	98.2	83.7	80.1	32.8		53		2.6		0	0	0	28	0	1	0	1	1
Ormara	0000	15	997.1		997.6	83.4	80.1	78.5	34.1		85		1.0		0	1	1	0	0	5	19	0	5
	0300		998.3	—	998.7	84.5	79.3	76.5	32.0	+0.4	79	−4	4.2	−1.5	0	0	1	0	1	6	18	1	4
	1200		996.1		996.2	89.4	79.6	75.0	29.7		63		1.6		0	0	1	0	2	15	12	0	1
Pasni	0000	10	997.8		998.1	82.0	78.7	77.6	32.2		86		5.3		0	1	3	1	2	1	9	0	14
	0300		998.5	−0.1	998.8	84.5	79.9	77.4	32.9	+0.3	81	−3	4.5	−0.5	0	0	3	7	0	5	10	0	6
	1200		996.1		996.4	89.8	80.7	76.7	31.6		66		2.7		0	0	0	6	3	20	2	0	0
Turbat	0000	510	981.0		998.3	79.7	73.8	71.4	25.7		74		2.4		0	0	0	6	16	6	2	0	1
	0300		982.5	—	999.6	86.4	80.8	78.4	33.4	—	78	—	2.6	—	0	1	0	3	5	10	0	7	5
	1200		978.8		995.2	103.8	87.0	80.6	34.8		48		2.0		0	0	0	3	5	18	3	2	0
Panjgur	0000	3177	894.0		899.6	80.0	69.0	63.0	19.7		56		0.8		2	0	0	1	2	19	0	9	0
	0300		895.2	+0.7	891.8	81.5	71.6	66.0	22.2	−0.8	60	−5	1.5	−0.3	0	0	0	1	1	18	5	4	2
	1200		892.6		889.4	100.8	70.7	51.0	30.1		20		1.0		0	0	0	0	1	19	2	12	0
SIND (Upper)																							
Reti (R)	0000	280																					
	0300																						
	1200																						
Jacobabad	0000	183	989.2		995.3	86.5	80.3	76.9	32.5		76		1.5		1	1	6	11	9	0	1	0	2
	0300		990.6	+0.6	996.9	88.5	80.9	77.4	32.7	−0.4	71	+3	1.8	+0.3	0	1	4	16	8	1	1	0	0
	1200		987.7		993.7	102.5	82.7	74.5	28.6		40		1.4		0	0	0	17	13	0	0	0	1
Sukkur	0300	221	989.3	+0.4	996.8	86.0	78.4	74.5	29.7	−1.7	70	−5	3.6	+1.9	0	1	0	15	15	0	0	0	0
	1200		986.0		993.3	100.8	83.3	75.7	31.2		46		3.2		3	4	0	10	11	0	0	0	3
Padidan	0000	153	990.2		995.4	83.3	77.9	75.5	29.9		77		2.3		0	0	0	27	3	0	0	0	1
	0300		991.4	—	996.5	86.0	79.3	76.4	31.3	—	74	—	3.0	—	0	1	0	24	5	0	0	0	1
	1200		988.5		993.5	102.1	82.5	74.1	28.9		41		3.2		0	0	0	14	10	3	1	0	3

(R) Register not received.

SUB-DIVISION AND STATION	Hours of observation.	Height of bar cistern above mean sea level.	Mean Pressure: Station level reduced to standard temperature and gravity.	Mean Pressure: Departure from normal.	Mean Pressure: Reduced to standard temperature and M.S.L. or nearest 0.1mb level.	Mean Temperature of the Air and Humidity: Dry bulb.	Wet bulb.	Dew point.	Vapour pressure.	Departure from normal.	Relative humidity.	Departure from normal.	Total Cloud Amount: Mean amount.	Departure from normal.	Wind Direction Number of Observations From :— N	NE	E	SE	S	SW	W	NW	Calm.
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
SIND—(Lower)	G.M.T	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%		oktas										
Umarkot	0000	55	995.7		997.6	81.7	79.5	78.6	34.0		91		3.7		0	0	0	0	12	16	0	0	3
	0300		996.8		998.1	85.9	81.0	78.7	33.8		80	—	4.3	—	0	0	0	0	11	17	0	1	2
	1200		993.6		995.2	97.0	84.4	79.7	34.5	—	58		3.4		0	0	0	0	6	17	4	1	3
Cabor	0000	19	996.7		997.4	81.6	78.2	77.1	31.1		85		2.8		0	0	0	0	1	25	0	0	5
	0300		998.1	—	998.8	84.9	80.4	78.5	33.5		81		5.0		0	0	0	0	0	27	0	1	3
	1200		995.0		995.6	95.9	82.7	77.8	32.5		56		4.3		0	0	0	0	0	28	1	2	0
Hyderabad	0000	96	993.7		997.0	82.4	75.0	76.4	32.5		76		3.4		1	0	0	0	1	27	2	0	0
	0300		994.7	+0.5	998.0	84.5	79.3	74.0	32.7	+3.9	71	0	3.1	−0.4	0	0	0	0	1	27	2	0	1
	1200		992.4		995.6	95.2	81.3	75.7	28.7		41		2.5		2	0	0	0	0	28	1	0	0
Karachi (Airport)	0000	73	995.4		997.9	83.5	78.7	76.5	30.8		79		6.1		0	0	0	1	0	16	13	0	1
	0300		996.5		999.0	84.8	78.9	76.2	31.0		75		6.5		0	0	1	0	0	15	13	1	1
	1200		994.6		997.1	88.2	79.3	75.3	29.8		65		5.6		0	0	0	0	2	24	5	0	0
Karachi (Manora)	0000	13	997.4		997.8	83.8	80.0	78.3	33.2		83		6.1		0	0	1	0	0	6	21	0	3
	0300		998.7	+0.2	998.9	84.9	80.2	78.2	33.5	+0.7	81	−5	6.5	+0.4	0	0	0	1	0	8	21	0	1
	1200		996.7		997.1	87.5	81.2	78.8	32.6		74		6.5		0	0	0	0	1	17	13	0	0
Badin	0000	31	996.5		997.6	82.2	78.3	76.9	30.9		83		0.7		0	2	0	0	0	19	0	0	10
	0300		998.7	+1.6	999.8	83.3	79.3	77.1	32.4	+1.0	83	+4	3.0	−1.9	0	3	0	0	0	23	0	1	4
	1200		994.7		995.8	92.8	83.0	79.5	33.8		68		2.6		0	2	0	0	0	25	0	0	4
IRAN																							
Jask	0300	13	996.9		997.4	86.0	83.8	83.2	38.6		91		2.8	+0.7	1	0	24	1	1	0	3	1	0
	1200		995.4		995.8	91.7	88.1	86.7	43.7		86		0.8		0	0	10	1	11	4	5	0	0
ARABIA																							
Muscat	0300	20	996.9		997.3	86.0	81.1	79.6	34.0		80		2.5	−0.1	1	9	2	10	1	0	0	5	3
	1200		995.2		995.6	87.7	81.3	78.8	33.3		74		1.7		0	14	3	6	3	0	0	5	0
Kuwait *	0600	16	998.2		998.7	94.8	77.6	66.2	25.0		44		0.0		2	1	2	2	0	0	3	19	2
	1200		996.0		996.4	98.4	79.2	70.0	25.3		41		0.0		3	7	0	9	0	0	1	10	1

* Observations recorded at 0600 hrs. G.M.T. instead of 0300 hrs. G.M.T.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF JULY 1953.

SUB-DIVISION AND STATION	Maximum Temperature of the air °F				Minimum Temperature of the air °F				Precipitation (inches)					Wind Velocity (knots)		Weather Number of Day				
	Mean.	Departure from normal.	Highest.	Date.	Mean.	Departure from normal.	Lowest.	Date.	Total of the month.	Departure from normal.	Heaviest fall in 24 hours.	Date.	Days with 0.10 inch or more.	Departure from normal.	Mean.	Departure from normal.	Thunder heard.	Hail.	Visibility Code Figure 3 or less: Fog.	Haze (dust).
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
EAST PAKISTAN (NORTH)																				
Pabna	88.5	—1.2	92	21	79.2	+2.8	74	16	13.97	+2.88	2.38	9	19	+2.4						
Rajshahi	x	x	x	x	x	x	x	x	15.00	+3.87	4.00	5	13	—2.3						
Sirajgang	86.9		92	31	78.8		74	16	22.08	+10.30	5.18	16	21	+4.9	4.2		2			
Bogra	88.5	—0.7	92	21	78.7	+0.2	77	7 days	21.79	+8.96	3.16	27	20	+3.2	2.7	+0.7	8			
Dinajpur	88.3	—0.9	95	31	78.6	—0.3	74	16	27.57	+12.10	5.61	17	25	+8.3	2.3	—0.2	3			
Rangpur	x	x	x	x	x	x	x	x	26.84	+10.83	5.80	22	22	+7.0						
EAST PAKISTAN (EAST)																				
Cox's Bazar	86.3	+1.0	93	31	76.7	+0.3	75	5 days	36.53	+1.01	6.83	7	22	—1.0	4.8	+0.5	3			
Chittagong	84.9	—1.1	93	31	76.2	—0.5	74	26	29.32	+5.79	5.00	16	22	+3.1	4.5	—2.5	2			
Noakhali (Maijdee)	85.5	—0.3	93	31	77.7	—0.5	75	17,27	33.22	+9.66	3.87	4	27	+4.0	x	—				
Brahmanbaria	86.8	—0.9	93	3&31	77.8	+2.0	70	13	15.74	+4.43	2.25	22	19	+2.4	3.5					
Comilla	86.8	—0.9	93	29&31	77.9	+0.8	75	31	24.02	+7.60	3.74	26	26	+7.2	2.9	—1.8				
Narayanganj	87.6	—0.6	95	31	78.5	—0.4	75	17	21.97	+9.00	3.73	5	22	+4.3	4.3	—0.1				
Sylhet	91.7	+1.4	95	31	76.8	+0.4	75	10,30,31	4.66	—9.25	0.47	5	17	—3.8	3.6	+0.4	2			
Mymensingh	89.0	+1.1	93	31	79.1	+0.8	78	10 days	21.45	+5.43	8.22	23	15	—4.2	3.3	+1.0				
EAST PAKISTAN (DELTAIC)																				
Faridpur	88.0	+0.2	95	21	78.0	—0.5	73	16	26.02	+13.28	5.49	26	21	+3.2	x	x	3			
Barisal	86.8	—0.5	95	31	78.0	—0.4	72	10	25.11	+8.79	3.76	5	27	+5.9	(d) 4.0	+1.0	1			
Khulna	88.1	+0.2	94	22,31	78.6	0.0	76	22,26	20.62	+6.18	4.58	26	22	+0.9	2.6	—1.1				
Jessore	89.2	+1.1	95	31	78.5	+0.5	75	26,27	13.63	+1.41	2.78	18	15	—2.7	4.1	+1.5				
Satkhira	86.6	—1.9	93	31	78.9	+0.5	75	26,27	15.18	+1.68	4.00	18	23	+4.6	2.3	+0.1				

(d) Mean for 27 days.

(x) Data not available.

TABL III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF JULY 1953.

SUB-DIVISION AND STATION	Maximum Temperature of the Air °F				Minimum Temperature of the Air °F				PRECIPITATION (INCHES)						Wind Velocity (knots)		WEATHER Number of Day				
	Mean.	Departure from normal.	Highest.	Date.	Mean.	Departure from normal.	Lowest.	Date.	Total of the month.	Departure from normal.	Heaviest fall in 24 hours.	Date.	Days with 0.10 inch or more.	Departure from normal.	Mean.	Departure from normal.	Thunder heard.	Hail.	Visibility Code Figure 93 or less: Fog.	Visibility Code Figure 93 or less: Haze (dust)	Visibility Code Figure 93 or less: Dust Storms.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
KASHMIR																					
Srinagar (x)																					
Gulmarg (x)																					
Dras (x)																					
Leh (x)																					
Skardu (x)																					
Gilgit (x)																					
Misgar	79.5	—	80	7	54.9	—	45	16	00.0	—	0.00	—	0	—	4.8	—	0	0	0	0	0
Jammu (x)																					
Kargil (x)																					
NORTH PUNJAB																					
Lahore	98.9	—0.7	108	3.5	81.9	+1.8	72	12	7.52	+2.07	5.35	12	6	+0.1	3.5	+1.3	6	0	0	1	0
Sialkot	94.5	—2.9	105	5	80.3	+0.7	73	12,24	10.67	+2.32	3.10	10	9	0.0	3.0	+1.1	6	0	0	0	0
Jhelum	95 8	—	106	3	80.5	—	70	23	7.11	—	2.93	12	6	—	2.5	—	13	0	0	0	1
Rawalpindi	96.9	—0.9	110	3	77 6	+0.5	70	4 days	16 09	+8.02	3.09	31	10	+1.2	2.2	+0.5	10	0	0	0	0
Khushab	101.4	—0.8	110	3	83.4	+1.0	72	23	3.17	—0.73	1.63	23	3	— 1.3	5.6	+0.3	1	0	0	0	0
Lyallpur	99.5	—2.0	107	2	83.1	+0.4	74	14,15	3.35	+0.49	2.18	14	6	+2.2	3.5	+0.7	10	0	0	0	0
SOUTH PUNJAB																					
Montgomery	101.5	—1.4	—110	2	82.5	—1.2	75	12,13	2.60	+0.18	1.05	7	4	+0.7	2.8	—2.0	1	0	0	0	0
Multan	102.4	0.0	109	4 days	84.7	—0.8	75	15	4.21	+2.20	2.13	7	3	+0.7	3.9	+1.7	1	0	0	0	0
Fort Abbas	104.2	—	111	1	714	—	66	26	1.44	—	1.17	7	2	—	(c)	—	0	0	0	0	0
Bahawalpur	104.3	+1.0	110	7	85.7	+2.0	80	9	0.00	— 2.44	0.00	—	0	—3.2	5.2	+0.7	0	0	0	0	0
Khanpur	104.7	—0.7	110	7	84.8	+1.7	80	9	0.05	—2.47	0.05	9	0	—2.9	7.3	+0.1	2	0	0	1	3
N.-W. F. P. (Upper)																					
Chakdara	95.9	—	106	3	76.0	—	67	15	6.47	—	2.10	7	8	—	1.9	—	1	0	0	0	0
Peshawar	99.7	—2.8	112	3	81.1	+0.9	71	12,15	1.84	+0.58	1.22	8	4	+2.0	3.1	+1.1	9	0	0	0	5
Landikotal	94.1	—	108	3	76.1	—	67	14	1.60	—	1.18	8	2	—	4.6	—	5	0	0	0	0
N.-W.F.P. (Lower)																					
Bannu	100.3	—2.8	110	3	83.2	+0.7	74	14	2.60	+0.39	1.19	7	3	—0.2	3.2	—	0	0	0	0	0
Miranshah (R)																					
D. I. Khan	102.5	—0.8	110	4	82.7	0.0	76	4 days	1.57	—0.72	0.90	7	3	+0.2	2.3	+0.5	0	0	0	0	5
HILL STATIONS (excluding Kashmir & Baluchistan)																					
Murree	73.7	—2.5	84	5	61.5	+2.6	55	23,24	13.14	+0.47	2.44	10	15	+1.7	5.1	+1.4	16	0	10	0	0
Cherat	88.9	—0.8	102	3,4,5	71.3	—0.4	63	14	6.47	+2.83	2.77	8	7	+2.2	X	—	0	0	4	0	0
Drosh	97.1	+0.4	110	3	76.0	+2.5	66	23	0.60	0.00	0.35	23	2	+0.5	5.9	+1.5	6	2	0	0	0
Parachinar	86.8	—0.3	98	3,4,5	67 3	+0 9	53	18	5.06	+1 54	1.43	10	12	+5.1	2.2	0.0	0	0	0	0	0
Wana	95.3	+5.5	103	5	*	—	*	—	*	—	*	—	*	—	3.8	—	0	0	0	0	0

(x) Data not available.
(R) Register not received.
(*) Data rejected.

(c) Mean for 28 days

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF JULY 1953

SUB-DIVISION AND STATION	Maximum Temperature of the Air °F				Minimum Temperature of the Air °F				Precipitation (inches)						Wind Velocity (knots)		Weather Number of Days				
	Mean.	Departure from normal.	Highest.	Date.	Mean.	Departure from normal.	Lowest.	Date.	Total of the month.	Departure from normal.	Heaviest fall in 24 hours.	Date.	Days with 0.10 inch or more.	Departure from normal.	Mean.	Departure from normal.	Thunder heard.	Hail.	Visibility Code Figure 93 or less: Fog.	Haze (dust)	Dust Storm.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
AFGHANISTAN																					
Jalalabad	103.2	—	117	3	78.2	—	71	8	0.84	—	0.51	8	2	—	4.1	—	0	0	0	0	0
Kabul	93.8	+1.8	101	4	61.5	+0.9	56	1,2	0.00	—0.07	0.00	—	0	—0.3	2.4	+0.5	1	0	0	0	0
Kandhar	101.0	—	107	3	70.0	—	64	25,26	0.00	—	0.00	—	0	—	0.9	—	0	0	0	0	0
BALUCHISTAN (North)																					
Fort Sandaman	99.3	0.0	108	4	75.4	+0.3	62	15	1.93	—0.21	0.42	21	4	+0.2	3.8	+1.4	10				1
Hindubagh	97.3	—	105	4	69.8	—	60	1	1.14	—	0.56	8	3	—	3.7	—	4				3
Loralai	93.5	—	100	4,23	69 6	—	62	26	0.65	—0.89	0.25	9	2	—0 9	3.9	—	3			1	1
Harnai									5.10	+2.00	1.65	8	7	+2.0							
Sibi	106.9	—0.9	113	2,3	87.6	+0 4	75	8	1.45	+0.05	1.10	8	3	+0.4	5.4	+0.2	4				2
Quetta	96.0	—	101	3,4.5	67.7	—	55	26	0.26	—	0.22	9	1	—	5.6	+3.2	1				
Quetta (Samungli)	97.1	—	104	4	68.9	—	55	26	0.48	—	0.42	9	1	—	6.5	—	2				1
Chaman	102.7	+1.6	109	3	78.9	+2 6	73	26	0.00	—0.07	0.00	—	0	—0.2	3.1	—1.9					
Nushki	108.2	—	115	3	83.7	—	78	9,10	0.23	—	0.21	10	1	—	x	—					
Kalat	92.1	+1.0	98	2	64.6	+2.4	58	26	0.10	—0.50	0.10	11	1	+0.5	3.9	—0.1					
Dalbandin	109.2	+9.5	117	7	79.3	+3.1	67	25	0.00	—0.12	0.00	—	0	—0.4	5.2	+0.5				5	1
Nokkundi	110.1	+0.7	116	27	84.4	+0.8	74	25	0.00	0.00	0.00	—	0	0.0	10.3	—2.1					
BALUCHISTAN (South)																					
Lasbella	101.7	+0.9	109	7	x	—	—	—	1.98	—0.65	0.95	9	4	+0.5	3.2	+0.1	0	0	0	0	0
Ormora	91.5	+1.3	96	7	82.9	+1.7	80	24	0.21	—0.44	0.14	9	1	—0.3	9.0	+0.4					
Pasni	92.1	+0.9	94	4 days	81.6	+2.7	79	1,29	0.00	—0.47	0.00	—	0	—0.6	7.9	+2.1			1		
Turbat	105.2	—	119	1	x	—	—	—	0.00	—	0.00	—	0	—	8.8						
Panjgur	102.6	—0.7	109	7	x	—	—	—	0.00	—0.79	0.00	—	0	—1.3	5.0	+0.1					1
SIND (Upper)																					
Reti (R)																					
Jacobabad	104.1	—3.9	111	3	85.4	+0.4	80	9,10	1.38	+0.43	0.95	9	2	+0.5	8.3	+1.8	2				
Sukkur	103.5	—0.8	111	4	82.0	—1.0	76	7	6.32	+4.88	3.32	9	3	+1.3	3.3	—1.1					
Padidan	x	—	—	—	81.7	—	76	7	2.70	—	1.78	9	4	—	8.3						
SIND (Lower)																					
Umarkot	98.2	—	105	31	81.1	—	78	8,9	0.79	—	0.74	17	1	—	9.1	—					
Chbor	97.3	—	102	6,7,31	80.9	—	76	7	0.86	—	0.38	7	4	—	x	—					
Hyderabad	98.6	—0.7	104	1	82.0	+0.6	74	7	1.66	—1.32	0.78	7	2	—0.9	9.1	—0.2					
Karachi (Airport)	91.5	—	96	31	82.6	—	81	4 days	0.07	—	0.03	12	0	—	10.3	—					
Karachi (Manora)	89.6	+1.1	91	4 days	83.0	+1.9	81	7,24	0.00	—3.20	0.00	—	0	—2.5	9.9	—1.2					
Badin	99.2	+4.3	105	2,9	x	—	—	—	1.23	—2.74	1.00	7	2	—1.8	8.6	—					
IRAN																					
Jask	93.7	—2.5	105	1	84.5	+0.7	81	7,8	0.00	—0.02	0.00	—	0	0.0	12.5	+3.9					2
ARABIA																					
Muscat	90.7	—4.4	103	1,3	84.7	—2.5	77	25	0.00	—0.01	0.00	—	0	—0.1	3.6	+0.5					2
Kuwait xx	102 8		113	24,29	83.2		82	5	0.00		0.00	—	0		6.3						

(R) Register not received (x) Data not available. (*) Data rejected.
(xx) Observation recorded at 0600 hours GMT. instead of 0300 hours GMT.

REGD. No. S. 1452

PAKISTAN WEATHER REVIEW, 1953

MONTHLY WEATHER REPORT

AUGUST

(PUBLISHED BY THE AUTHORITY OF THE GOVERNMENT OF PAKISTAN)

CHIEF FEATURES:

(1) Spell of wet weather over West Pakistan during the first week and again between the 17th and the 19th over Sind, the Punjab and north-east Baluchistan, with very heavy falls in Sind, on the 6th and the 7th.

(2) Spell of wet weather over East Pakistan in the later half of the second and throughout the third week with locally heavy falls on many days.

West Pakistan:

A depression moving from east Madhya Pradesh to Sind between the third and the 7th was responsible for a spell of wet weather with locally heavy falls in most of West Pakistan throughout the first week.

Due to heavy falls in the submontane districts of the north Punjab, Ravi and Chenab Rivers were in spate between the 4th and the 6th. According to press reports, railway line was breached at several places and the crops and property suffered considerable loss. Rainfall of 11″ recorded in Karachi (Manora) on the 7th was the highest in the living memory. It totally disrupted the normal life when roads were inundated in waist-deep water forcing transport to a stand-still. Refugee hutments were washed away rendering thousands of refugees homeless.

The westward movement of another depression from Madhya Bharat caused another spell of wet weather over Sind, the Punjab and north-east Baluchistan between the 17th and the 19th.

During the rest of the month, there were occasional spells of wet weather with thunderstorm activity in the northern parts of West Pakistan due to the eastwards passage of cold fronts.

Some of the noteworthy amounts of rainfall recorded during the month were:—Jhelum 4″ on the 1st; Rawalpindi 3″, Reti 2″ on the third; Lahore, Leiah, D.I. Khan and Badin 3″ each, Khushab 1½″, on the 4th; Karachi (Manora) 3″, Karachi (Air Port) 1½″ on the 6th; Karachi (Manora) 11″, Karachi (Air Port) 5″ on the 7th; Kalat 2″ on the 8th; Rawalpindi and Muree 1½″ each on the 9th; Lahore 3″, Lyallpur and Khushab 1½″ each on the 10th; Sukkur and Umerkot 2″ each, Fort Abbas 1½″ on the 12th; Cherat 2″ on the 15th; Murree 1½″ on the 16th; Jhelum, Cherat and Parachinar 1½″ each on the 17th; Chhor 2″, Hyderabad 1″ on the 18th; Fort Abbas 1″ on the 21st ; Jhelum 2″ on the 29th; Harnai 2″ on the 30th; Campbellpur 2″, Sialkot, Murree, Multan and Bahawalpur 1″ each on the 31st.

The mean actual rainfall during the month was in large excess over the lower North-West Frontier Province, Baluchistan and Sind, in moderate and slight excess over the south and north Punjab respectively and in large defect over the upper North-West Frontier Province. Averaged over the plains of West Pakistan it was in large excess.

The mean maximum and minimum temperatures were normal over the region outside the lower North-West Frontier Province and the north Punjab where the maximum and minimum temperatures were below normal respectively.

The mean relative humidity was in excess over the lower North-West Frontier Province and normal elsewhere over the region outside south Baluchistan where it was in defect. Skies were more clouded than usual in the south Punjab, north Baluchistan and the upper Sind and normally clouded elsewhere over west Pakistan except in south Baluchistan where they were less clouded than usual.

East Pakistan:

Monsoon was generally weak over East Pakistan until the 11th except for four days in the first week when it freshened due to the west-noth-westwards passage of a depression from head Bay of Bengal.

Another depression at the head Bay of Bengal crossed coast on 15th and was responsible for a spell of wet weather over East Pakistan during the later half of the second and throughout the third week with locally heavy falls in the last four days.

During the rest of the month monsoon remained moderate.

The outstanding amounts of rainfall during the month were:—Satkhira and Jessore 4″ each, Comilla 3″ on the lst; Narayanganj 2″ on the 2nd″; Cox's Bazar 2″ on the 5th; Narayanganj 2″ on the 13th; Cox's Bazar 3″ on the 16th; Chittagong 2″ on the 18th; Jessore 6″, Chittagong and Narayanganj 4″ each, Cox's Bazar 3″ and Brahmanbaria 2″ on the 19th; Srimangal 3″ on the 20th; Chittagong 12″, Mymensingh and Rangpur 4″ each on the 21st; Noakhali 4″ on the 22nd; Cox's Bazar and Bogra 2″ each on the 24th; Bogra 2″ on the 27th.

The mean actual rainfall during the month was in slight excess over the deltaic, normal over the eastern and in moderate defect over the northern subdivision. Averaged over the region as a whole it was normal.

The mean maximum and minimum temperatures and the mean relative humidity were normal over each of the subdivisions. Skies were normally clouded over the region.

Table I contains the divisional and sub-divisional means of rainfall, temperature relative humidity and cloud mount for the 5 chief divisions and 12 sub-divisions of Pakistan. These means are based on the observations at the stations whose monthly means are given in the subsequent tables.

TABLE I.—DIVISIONAL AND SUB-DIVISIONAL MEANS FOR AUGUST 1953

Division	PRECIPITATION				DEPARTURE FROM NORMAL OF				
	Actual	Normal	Departure from normal	Percentage departure from normal	Maximum temperature	Minimum temperature	03 hrs. G.M.T.		
							Vapour pressure	Relative humidity	Cloud
1	2	3	4	5	6	7	8	9	10
	"	"	"		°	°	mb.	%	
East Pakistan	13.15	14.24	—1.09	—7	+1.1	+0.8	+0.7	—1	—0.1
Mean of East Pakistan	13.26	14.24	—0.98	—7	+1.1	+0.8	+0.7	—1	—0.1
(1) Punjab	4.79	4.08	+0.71	+17	—1.0	—1.1	+1.7	+5	+0.7
(2) N.-W.F.P.	2.24	2.01	+0.23	+11	—1.7	—0.2	+1.6	+6	—0.2
(3) Baluchistan	1.67	0.76	+0.91	+120	—0.4	—0.5	+0.9	+1	—0.1
(4) Sind	6.28	1.58	+4.70	+297	+0.6	+1.3	+2.6	+4	+0.2
Mean of West Pakistan excluding Baluchistan	4.86	2.87	+1.99	+69	—0.6	—0.1	+2.0	+5	+0.4
East Pakistan (North)	7.30	12.09	—4.79	—40	+1.2	+1.1	+0.7	—5	—0.5
East Pakistan (East)	17.76	17.29	+0.47	+3	+1.4	+0.7	+0.8	—1	—0.2
East Pakistan (Deltaic)	14.33	12.13	+2.20	+18	+0.5	+0.6	+0.6	+1	+0.4
Kashmir(*)	..	..	..	..	..	..	..	..	..
North Punjab	6.59	5.94	+0.65	+11	—1.4	—2.0	+0.7	+4	+0.4
South Punjab	2.98	2.22	+0.76	+34	—0.6	—0.2	+2.7	+5	1.0
N.-W.F.P. (Upper)	0.05	2.03	—1.98	—97	—2.0	—0.3	+1.9	+7	—0.2
N.-W.F.P. (Lower)	3.33	2.00	+1.33	+67	—2.0	—0.3	+1.9	+7	—0.2
Baluchistan (North)	1.94	0.86	+1.08	+125	—1.1	—0.7	+1.9	+5	+0.3
Baluchistan (South)	0.97	0.50	+0.47	+94	—1.0	0.0	—1.3	—8	—1.2
Sind (Upper)	1.89	1.00	+0.89	+89	—0.7	+1.1	+1.5	+2	+1.8
Sind (Lower)	9.20	1.97	+7.23	+367	+1.4	+1.5	+3.4	+5	—0.9

* Data incomplete.

SUB-DIVISION AND STATION	Hours of observation.	Height of bar cistern above mean sea level.	Mean Pressure: Station level reduced to standard temperature and gravity.	Mean Pressure: Departure from normal.	Mean Pressure: Reduced to standard temperature and M.S.L. or nearest G'p.m. level.	MEAN TEMPERATURE OF THE AIR AND HUMIDITY: Dry bulb.	Wet bulb.	Dew point.	Vapour pressure.	Departure from normal.	Relative humidity.	Departure from normal.	Total Cloud Amount: Mean amount.	Departure from normal.	Wind Direction Number of Observations From:— N	NE	E	SE	S	SW	W	NW	Calm.
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	GMT	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas										
EAST PAKISTAN (NORTH)																							
Pabna	0300					84.7	80.3	79.0	33.5	+0.2	81	—4											
Sirajganj	0000	49	998.7		1000.4	81.3	79.3	78.7	32.9		93		6.4		0	0	6	12	0	1	0	1	11
	0300		999.9		1001.6	83.9	80.0	78.3	33.2		83		5.9		0	0	7	12	0	1	0	0	11
	1200		997.0		998.7	85.4	81.1	79.5	33.5		81		5.4		0	0	2	7	0	1	0	0	21
Bogra	0000	65(x)	998.4		1000.7	80.4	78.7	77.9	32.6		93		6.9		0	0	8	3	0	0	0	0	20
	0300	63	1000.0	—0.5	1002.1	84.5	80.3	78.4	34.3	+2.1	83	—4	6.0	—0.1	0	1	19	5	0	3	1	0	2
	1200	63	996.8		998.9	86.7	81.0	78.5	34.2		78		5.1		0	0	15	10	1	3	1	1	0
Dinajpur	0000	123	998.3		1002.5	80.6	79.1	78.0	33.7		93		4.6		0	5	6	0	0	0	0	0	20
	0300		999.8	+1.6	1004.0	84.9	79.8	77.8	32.7	—0.3	79	—8	5.0	—0.9	0	0	10	1	0	0	0	0	20
	1200		996.5		1000.6	86.7	80.4	78.1	32.6		74		1.4		0	1	8	1	0	0	0	0	21
Rangpur	0300																						
	1200																						
EAST PAKISTAN (EAST)																							
Cox's Bazar	0000	(x) 10	1001.8		1002.1	77.7	76.5	75.7	31.3		95		7.1		0	0	11	8	7	2	0	0	3
	0300	38	1002.7	—0.2	1003.9	81.3	78.6	77.4	32.2	+0.5	89	+1	6.0	—0.2	0	0	0	10	11	1	0	0	9
	1200		1000.4		1001.7	80.9	78.3	77.2	32.2		89		7.0		0	0	0	13	6	1	0	0	11
Chittagong	0000	87																					
	0300		1000.2	—1.1	1003.1	82.6	78.2	76.2	31.3	0.0	81	—5	5.9	—0.4	0	0	6	16	5	1	0	0	3
	1200		997.7		1000.7	82.0	78.5	77.0	31.7		85		7.0		0	0	0	11	12	6	0	0	2
Noakhali (Maijdee)	0000	25	1000.6		1001.6	79.6	77.7	76.4	31.9		91		5.5		0	0	0	4	1	1	0	0	25
	0300		1002.1	—0.7	1003.0	82.4	78.6	76.7	30.9	—1.7	83	—4	5.9	+0.5	0	0	0	11	1	1	0	0	18
	1200		999.8		1000.7	83.5	79.3	77.2	32.0		83		6.5		0	0	0	14	2	0	0	0	15
Brahmanbaria	0000	32	1000.8		1001.9	80.2	78.4	77.7	31.9		91		5.3		0	0	5	9	8	0	0	0	9
	0300		1001.8		1002.9	84.1	79.5	77.5	32.4	+1.8	81	+1	4.6		1	2	3	8	12	0	0	1	4
	1200		999.0		1000.1	84.9	80.5	78.8	33.5		81		5.0		0	0	1	4	13	1	3	0	9
Comilla	0000	29	1000.0		1001.0	78.7	77.2	76.6	31.5		93		6.3		0	0	0	7	1	0	0	0	23
	0300		1001.1	—1.8	1002.1	83.2	79.3	77.5	32.0	—0.1	83	—1	5.9	+0.3	0	0	1	13	5	0	0	0	12
	1200		999.0		1000.0	84.3	79.9	78.1	32.4		81		6.7		0	0	1	16	4	0	0	0	10
Narayanganj	0000	26	1000.8		1001.7	81.3	78.7	77.5	32.2		89		7.0		0	0	12	4	7	3	0	0	5
	0300		1001.9	—0.4	1002.8	84.9	79.6	77.4	31.9	—0.9	77	—9	6.6	—0.3	0	1	10	6	10	1	2	0	1
	1200		999.0		999.9	85.0	79.9	77.5	32.7		79		6.5		0	0	1	11	11	1	1	0	6
Srimangal	0000	69	1000.1		1002.5	76.9	76.2	75.5	30.9		98		6.1		0	1	0	2	2	0	0	0	26
	0300		1000.9	—0.8	1003.3	81.6	79.1	78.2	33.3	+1.5	89	+4	6.1	+0.8	1	1	4	5	10	4	1	0	5
	1200		997.7		1000.1	83.4	80.3	79.0	33.6		87		6.4		2	1	0	8	8	7	3	1	1
Mymensingh	0000	62	999.6		1001.8	80.5	79.6	79.1	34.5		96		5.9		0	0	11	0	0	0	0	0	29
	0300		1001.0	—0.4	1003.2	84.2	81.6	80.7	35.6	+2.9	89	+2	5.2	—1.6	0	0	15	0	0	0	1	0	15
	1200		997.7		999.9	86.9	82.3	80.5	35.9		82		5.4		0	0	6	0	0	0	0	0	25

(x) Observations at 0000 hrs were taken at distant site by P.B.O. staff.

(a) Observation for 30 days.

(%)—Pressures of Naukhali (Majdee) were extrapolated from Comilla and those of Barisal from Khulna.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF AUGUST 1953

SUB-DIVISION AND STATION	Hours of observation	Height of bar cistern above mean sea level	Mean Pressure: Station level reduced to standard temperature and gravity	Mean Pressure: Departure from normal	Mean Pressure: Reduced to standard temperature and M.S.L. or nearest Gpm level.	Mean Temperature of the Air and Humidity: Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Total Cloud Amount: Mean	Departure from normal	Wind Directions Number of Observations From :— N	NE	E	SE	S	SW	W	NW	Calm
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	Oktas										
EAST PAKISTAN (DELTAIC)																							
Faridpur	0000		998.9		1000.5	80.5	78.9	78.3	33.7		93		7.1		0	0	1	6	10	1	0	0	13
	0300	46	1000.0	—1.3	1001.6	83.6	80.0	78.5	34.0	+0.7	85	—1	6.9	+0.9	0	0	0	10	11	1	0	0	9
	1200		997 0		998.6	85.0	80.6	78.7	33.5		81		6.1		0	0	0	9	10	1	0	0	11
Barisal	0000		1000.6		1001.1	79.5	78.2	77.7	31.5		93		6.1		4	2	10	4	8	0	1	1	1
	0300	11	1001.9	—0.6	1002.3	84.9	80.7	79.4	34.3	+1.5	83	—3	5.9	—0.3	1	5	6	8	7	2	1	1	0
	1200		998 1		998.5	83.6	78.4	77.7	31.6		79		6.4		1	0	9	15	4	2	0	0	0
Khulna	0000		1000.1		1000.6	80.1	78.7	78.2	32.6		93		5.7		0	6	4	3	0	3	0	0	15
	0300	16	1001.8	—0.1	1002.3	83.7	80.3	79.0	34.0	+1.4	85	+1	6.6	—0.2	0	9	3	10	2	4	0	0	3
	1200		998.6		999.2	83.3	79.9	78.3	32 8		85		5.7		0	0	0	18	0	3	0	0	10
Jessore	0000		999.2		1000.1	80.2	79.2	78.7	33.4		96		6.0		0	1	11	4	7	2	0	0	6
	0300	26	1000.7	—0.9	1001.6	83.4	80.4	79.1	33.6	+0.2	87	+1	6.2	—0.1	0	0	13	5	8	4	0	0	1
	1200		999.5		1000.4	84.8	81.2	79.6	35.1		85		5.9		0	0	9	5	3	1	0	0	13
Satkhira	0000		999.1		999.7	80.2	78.7	78.1	32.6		93		7.0		0	10	0	4	0	4	0	0	13
	0300	16	1000.3	—1.2	1000.8	83.1	80.2	78.8	33.6	0.0	87	+1	6.7	+0.9	0	10	[illegible]	6	2	8	0	1	
	1200		997.5		998.1	84.5	80.5	78.7	34.3		83		6.9		1	5	0	17	1	3	0	1	4
KASHMIR																							
Srinagar (X)	0000	5205																					
	0300																						
	1200																						
Gulmarg (X)	0000	8709																					
	0300																						
	1200																						
Dras (X)	0000	10059																					
	0300																						
	1200																						
Leh (X)	0000	11529																					
	0300																						
	1200																						
Skardu (X)	0000	7505																					
	0300																						
	1200																						
Gilgit (X)	0000	4890																					
	0300																						
	1200																						
Minqar	0000	10190	696.3		705.2	54.1	44.1	33.5	6.7		47		2.9		0	0	3	0	0	0	10	0	15
	0300		697.1	—	705.9	54.1	44.3	34.0	6.9	—	48	—	3.0	—	0	0	1	0	0	0	7	0	23
	1200		693.6		702.1	71.7	51.3	32.9	6.5		25		3.2		0	0	20	0	0	0	8	0	3

SUB-DIVISION AND STATION	Hours of observation	Height of bar cistern above mean sea level	MEAN PRESSURE			MEAN TEMPERATURE OF THE AIR AND HUMIDITY							TOTAL CLOUD AMOUNT		WND DIRECTIONS NUMBER OF OBSERVATIONS FROM :—								
			Station level reduced to standard temperature and gravity	Departure from normal	Reduced to standard temperature and M.S.L. or nearest Gpm. level.	Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Mean amount	Departure from normal	N	NE	E	SE	S	SW	W	NW	Calm.
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
KASHMIR—contd.																							
Jammu (X)	0000																						
	0300																						
	1200																						
Kargil (X)	0000																						
	0300																						
	1200																						
NORTH PUNJAB																							
Lahore	0000	702	975.5		999.4	80.3	77.9	76.7	31.6		89		4.2		0	1	3	3	0	2	0	0	22
	0300		976.7	+0.6	1000.5	83.3	78.7	76.5	31.5	+1.7	81	+8	4.3	+1.2	2	5	0	12	1	0	0	1	10
	1200		974.3		997.6	91.1	80.0	75.8	29.9		60		5.6		1	6	1	8	0	2	1	3	9
Sialkot	0000	830	971.4		999.5	79.5	76.9	75.8	30.4		89		5.2		0	13	0	2	0	0	1	0	15
	0300		972.2	—0.1	1000.1	82.7	78.0	75.0	30.7	—0.2	81	—3	4.8	+1.4	0	8	2	6	0	0	2	2	11
	1200		969.9		997.4	90.0	80.4	76.4	31.0		65		4.5		0	3	6	3	0	2	0	9	8
Jhelum	0000	765	973.9		999.9	79.1	76.8	75.8	30.4		89		5.1		0	0	0	3	1	3	0	1	23
	0300		975.0	—	1000.8	82.5	77.8	75.8	30.4	—	81	—	4.5	—	0	0	3	2	2	2	1	4	17
	1200		972.3		997.7	89.7	79.7	75.4	30.1		64		3.8		0	1	0	7	3	7	1	1	11
Rawalpindi	0000	1676	943.6		889.2	76.7	73.6	72.2	27.1		86		4.2		0	0	0	0	0	0	5	1	25
	0300		944.6	+0.2	890.6	81.8	75.2	72.2	27.2	—0.6	73	—1	3.4	0.0	0	0	0	0	0	0	1	0	30
	1200		942.2		889.2	89.4	77.6	72.8	27.5		57		3.1		0	0	0	0	1	1	7	0	22
Khushab	0000	616	978.1		998.9	81.8	77.8	76.0	30.7		83		1.9		3	10	15	1	1	0	1	0	0
	0300		979.4	+0.3	1000.2	85.6	78.9	76.0	30.7	+0.9	74	+4	2.4	0.0	2	5	16	6	2	0	0	0	0
	1200		976.4		996.9	93.4	79.1	72.8	27.6		50		2.9		1	6	12	7	3	1	1	0	0
Lyallpur	0000	605	978.2		998.8	80.8	78.1	76.7	31.7		88		3.9		3	2	2	3	4	1	0	0	16
	0300		979.3	+0.3	999.8	83.6	78.3	76.2	30.7	+1.6	78	+7	3.4	0.0	3	3	3	7	5	2	0	0	8
	1200		977.0		997.1	91.9	80.9	75.6	31.0		60		4.7		3	5	2	6	4	1	0	1	9
SOUTH PUNJAB																							
Montgomery	0000	558	979.1		998.0	80.7	77.4	76.1	30.7		85		3.0		0	0	2	4	3	5	0	0	20
	0300		980.3	—0.3	999.1	84.6	79.1	76.8	31.8	+0.7	78	+3	2.3	+0.4	0	0	2	3	1	1	2	0	22
	1200		977.6		996.1	92.3	80.6	76.0	30.9		59		4.0		0	2	4	6	1	3	0	1	14
Multan	0300	413	985.3	+0.3	999.2	86.5	81.2	79.0	34.0	+2.3	79	+6	3.3	+1.5	4	2	3	6	9	3	1	1	2
	1200		982.6		996.3	95.4	82.9	77.6	32.7		57		4.4		5	4	4	2	5	8	2	1	0
Fort Abbas	0000	475	981.7		997.7	82.0	80.6	80.1	35.1		93		3.0		0	11	4	1	4	8	0	3	0
	0300		982.1	—	998.2	85.1	81.7	80.3	35.4	—	85	—	3.3	—	0	12	2	2	2	10	0	3	0
	1200		980.3		996.0	91.6	84.4	82.2	37.1		74		2.5		1	2	0	12	0	16	0	0	0

(X) Data not available.

(a) Mean for 30 days

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF AUGUST 1953

SUB-DIVISION AND STATION	Hours of observation	Height of barometer above mean sea level	Mean Pressure: Station level reduced to standard temperature and gravity.	Mean Pressure: Departure from normal	Mean Pressure: Reduced to standard temperature and M.S.L. or nearest Gpm level.	Mean Temperature of the Air and Humidity: Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Total Cloud Amount: Mean amount	Total Cloud Amount: Departure from normal	Wind Directions Number of Observations From:— N	NE	E	SE	S	SW	W	NW	Calm
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
SOUTH PUNJAB—contd.																							
Bahawalpur	0300	384	985.9	—0.4	998.9	85.7	79.5	76.7	31.6	+0.2	75	+3	2.8	+0.6	3	5	2	3	6	10	0	0	2
	1200		983.8		996.5	96.4	82.1	75.9	30.9		52		4.1		0	11	2	0	3	7	4	0	4
Khanpur	0300	297	989.1	—0.2	999.0	86.6	80.7	78.4	33.1	+5.1	76	+7	3.2	+1.0	2	2	2	0	3	14	1	1	6
	1200		986.0		995.8	96.4	82.8	77.6	32.1		55		3.3		4	2	1	1	4	7	2	1	9
N.-W.F.P. (Upper)																							
Chakdara	0000	2225	924.8		889.9	76.2	72.0	70.3	25.1		82		3.5		0	3	0	0	0	0	0	0	28
	0300		926.0	—	891.5	79.4	73.6	71.0	25.9	—	74	—	3.6	—	0	1	1	1	2	1	3	1	21
	1200		922.7		889.1	90.7	78.7	73.6	28.6		58		1.8		0	1	0	0	5	5	8	2	10
Peshawar	0000	1175	959.4		998.9	80.8	75.2	72.4	27.4		76		3.2		4	1	0	1	0	0	0	12	13
	0300		960.9	+0.3	1000.3	83.7	76.6	73.2	28.0	+1.1	71	+4	3.0	—0.2	10	2	0	0	0	1	0	8	10
	1200		957.1		995.5	94.8	78.0	69.7	25.1		44		3.5		5	17	1	3	2	2	0	0	1
Landikotal	0000	3503	884.9		891.6	74.7	69.7	67.2	22.8		77		2.1		1	10	0	0	0	0	0	0	20
	0300		885.9	—	892.7	79.0	71.2	67.5	22.9	—	67	—	2.1	—	14	8	0	0	0	0	0	0	9
	1200		882.8		889.5	87.7	73.5	66.1	22.4		50		3.1		1	12	16	2	0	0	0	0	0
N.-W.F.P. (Lower)																							
Bannu	0000	1263	956.1		998.4	81.8	76.8	74.0	29.2		79		0.3		0	10	6	3	0	3	2	2	5
	0300		957.4	—	999.6	84.4	78.3	75.2	30.3	+3.0	75	+10	1.3	+0.8	1	5	6	4	5	2	1	2	5
	1200		954.5		995.9	92.5	78.3	71.8	25.9		51		1.3		1	3	5	14	4	1	3	0	0
Miranshah (R)	0000	3026																					
	0300																						
	1200																						
D. I. Khan	0000	570	978.7		998.0	82.6	78.4	76.8	31.3		83		1.4		0	10	1	1	0	0	0	0	19
	0300		980.8	+1.1	1000.1	84.8	79.4	77.4	31.8	+0.8	77	+4	2.2	—0.4	1	10	2	1	1	0	0	0	16
	1200		977.4		996.1	95.7	82.2	76.6	31.4		55		2.6		1	3	11	0	0	0	0	0	16
HILL STATIONS (excluding Kashmir & Baluchistan)																							
Murree	0000	7113	780.0		795.6	60.9	59.2	57.9	16.5		92		5.5		0	0	2	7	0	0	2	16	4
	0300		781.4	—0.2	796.8	64.9	61.7	59.7	17.6	—0.3	85	—2	5.3	+0.8	0	1	4	8	1	0	6	6	5
	1200		780.2		795.5	68.3	64.7	62.6	19.6		83		6.3		0	1	4	4	0	0	10	10	2
Cherat	0000	4272	865.9		896.3	71.7	68.3	66.8	22.3		83		0.5		0	2	0	23	0	6	0	0	0
	0300		865.4	+1.8	895.9	71.5	68.3	67.0	22.4	+0.7	85	+5	1.4	—2.0	0	6	0	23	0	1	0	1	0
	1200		864.1		893.8	82.3	72.4	68.3	23.8		61		2.3		0	0	0	23	0	8	0	0	0
Drosh	0000	4806	847.6	—0.8	893.6	73.5	65.5	60.1	18.2	+1.1	64	+1	2.2	+0.4	0	0	0	0	2	2	0	0	27
	0300		847.8		893.7	75.6	67.2	62.3	19.4		63		2.2		0	1	0	0	0	6	4	0	23
	1200		843.1		887.3	89.7	74.0	65.0	22.3		67		3.0		0	0	0	0	1	21	8	0	1

(R) Register not received.

SUB-DIVISION AND STATION	Hours of observation.	Height of bar cistern above mean sea level.	MEAN PRESSURE: Station level reduced to standard temperatrue and gravity.	MEAN PRESSURE: Departure from normal.	MEAN PRESSURE: Reduced to standard temperature and M.S.L. or nearest Opm level.	MEAN TEMPERATURE OF THE AIR AND HUMIDITY: Dry bulb.	Wet bulb.	Dew point.	Vapour pressure.	Departure from normal.	Relative humidity.	Departure from normal.	TOTAL CLOUD AMOUNT: Mean amount.	Departure from normal.	WIND DIRECTION NUMBER OF OBSERVATIONS FROM :— N	NE	E	SE	S	SW	W	NW	Calm.
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
HILL STATIONS (excluding Kashmir and Baluchistan)—contd.	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	okt as										
Parachinar	0000	5673	820.6		794.4	65.6	62.4	60.6	18.2		85		2.4		13	2	2	0	0	0	0	3	11
	0300		821.9	0.0	795.8	72.3	65.4	61.5	18.9	+1.0	69	+2	1.9	—0.6	0	3	0	3	1	1	0	0	22
	1200		820.1		794.4	78.3	68.1	62.7	19.9		60		4.2		0	3	5	9	2	2	0	1	9
Wana	0300	4503	856.6	—	893.4	76.8	71.4	66.9	24.1	+4.3	76	+9	0.3	—1.4	0	3	2	7	0	2	0	0	17
	1200		854.4		890.7	80.1	73.4	65.4	25.4		72		1.5		0	9	4	8	0	2	0	0	8
AFGHANISTAN																							
Jalalabad	0300	1950	930.2	—	887.4	88.2	77.2	72.5	27.4	—	60	—	2.4	—	0	0	7	0	0	0	0	0	24
	1200		925.7		884.0	97.0	81.0	74.8	29.6		49		2.8		0	0	26	0	0	0	0	0	5
Kabul	0300	5955	816.3	—	798.8	69.5	56.3	45.7	10.7	0.0	44	+3	0.2	—0.5	0	0	2	2	2	1	12	11	1
	1200		813.4		796.5	87.7	63.3	43.9	11.1		25		2.3		11	8	2	2	0	0	2	4	2
Kandhar	0300	3462	882.5	—	887.9	68.8	60.4	54.5	14.5	—	60	—	0.0	—	0	2	0	0	0	0	0	0	29
	1200		879.1		884.5	93.9	72.3	60.6	18.3		34		0.1		0	0	0	0	0	1	0	0	30
BALUCHISTAN (NORTH)																							
Fort Sandaman	0300	4614	852.6	—0.2	892.4	78.2	67.7	61.3	18.9	—1.0	50	—6	2.4	+0.9	0	0	1	0	0	0	0	0	30
	1200		850.6		889.5	90.8	66.7	49.8	12.7		26		4.4		1	1	1	1	2	1	0	0	24
Hindubagh	0000	5909	814.8		796.1	69.5	67.1	65.9	21.4		88		0.3		0	0	1	0	0	4	6	0	20
	0300		815.9	—	797.2	74.7	71.1	69.5	24.9	—	84	—	1.3	—	0	0	2	3	0	7	3	0	16
	1200		812.7		794.7	90.5	86.3	85.1	41.3		85		2.9		0	0	7	0	0	11	11	0	2
Loralai	0000	4699	848.5		891.7	69.2	63.9	59.6	18.1		74		1.5		0	0	0	2	0	10	0	0	19
	0300		849.7	—	892.5	73.8	66.4	61.4	19.0	—	67	—	1.9	—	1	1	0	0	0	7	3	0	19
	1200		847.4		889.0	88.4	68.4	57.4	15.7		35		3.1		0	0	0	7	3	11	0	2	8
Sibi	0000	441	981.8		995.7	85.8	78.4	74.4	29.8		70		1.2		0	3	0	5	1	0	1	0	21
	0300		982.7	—0.7	997.5	87.6	79.6	76.2	31.0	+3.9	71	+11	3.3	+1.9	1	1	0	5	3	0	1	1	19
	1200		980.2		994.5	103.3	82.5	73.9	27.7		39		2.2		0	0	2	8	13	4	1	1	2
Quetta	0300	5490	826.4	—1.3	795.8	72.2	64.8	60.2	18.0	+3.1	67	+11	1.6	—0.6	0	1	0	1	8	2	0	0	19
	1200		823.8		794.3	88.8	65.5	50.3	13.0		28		3.1		8	0	1	0	3	2	3	9	5
Quetta (Samungli)	0000	5253	834.4		796.4	65.0	58.8	54.2	14.9	—	71		1.8		0	0	6	15	3	0	0	1	6
	0300		835.6	—	797.8	71.3	62.2	56.4	15.8		61		1.8	—	0	0	7	9	0	2	2	2	9
	1200		832.7		796.6	89.7	65.5	49.7	12.6		27		3.0		2	0	2	3	2	2	10	10	0
Chaman	0000	4311	859.9		891.0	76.6	64.4	54.9	15.8		50		0.0		0	3	12	11	3	0	0	0	2
	0300		861.3	—0.3	892.2	81.8	68.3	59.2	18.1	+6.6	49	+17	0.0	—0.6	0	1	2	4	4	12	1	0	7
	1200		858.9		888.6	96.8	76.7	65.3	22.2		39		0.2		0	0	1	1	1	11	15	2	0
Nushki	0000	3416	893.8		897.8	81.8	62.4	47.6	11.4		31		0.0 (a)		2	9	8	0	2	0	0	0	9 (a)
	0300		894.7	—	898.6	83.6	62.7	45.7	10.8	—	28	—	0.2		3	8	9	1	0	2	0	6	2
	1200		892.7		896.5	102.0	68.7	44.6	10.2		14		0.0		2	3	0	0	0	9	4	13	0

(a) Mean for 30 days.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF AUGUST 1953

DIVISION AND STATION	Hours of observation.	Height of bar cistern above mean sea level.	Mean Pressure: Station level reduced to standard tempature and gravity.	Mean Pressure: Departure from normal.	Mean Pressure: Reduced to standard temperature and M.S.H. or nearest Gpm. level.	Mean Temperature of the Air and Humidity: Dry bulb.	Wet bulb.	Dew point.	Vapour pressure.	Departure from normal.	Relative humidity.	Departure from normal.	Total Cloud Amount: Mean amount.	Departure from normal.	Wind Direction Number of Observations From :— N	NE	E	SE	S	SW	W	NW	
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
BALUCHISTAN (NORTH)—contd.	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas										
Kalat	0000	6616	794.8		796.4	60.2	52.7	45.3	11.0		61		0.5		0	0	0	0	16	0	0	0	15
	0300		795.8	+0.4	797.3	66.3	55.8	47.1	11.4	+0.5	52	+6	1.2	—0.2	0	0	1	0	10	0	0	0	20
	1200		794.1		795.7	82.7	60.2	42.2	9.6		25		1.2		2	0	2	0	2	1	1	21	2
Dalbandin	0000	2785	906.6		890.9	76.6	57.5	38.6	8.4		40		0.5		0	0	1	0	0	12	5	4	9
	0300		907.9	—0.1	892.2	80.3	59.1	40.4	8.6	—3.4	24	—10	0.7	—0.2	0	1	0	0	1	1	7	1	20
	1200		905.0		890.1	103.4	69.3	43.5	10.8		14		0.8		0	1	3	0	3	14	4	2	4
Nokkundi	0000	2229	924.2		891.3	83.7	67.0	56.2	15.7		40		0.0		14	2	1	0	0	0	1	13	0
	0300		925.2	—	892.6	86.4	69.4	59.4	17.7	+3.6	41	+10	0.7	—0.1	13	1	1	0	1	0	1	13	1
	1200		922.5		891.2	103.9	78.3	64.4	22.7		31		0.3		14	1	0	0	0	0	0	15	1
BALUCHISTAN (South)																							
Lasbela	0000	292	989.8		999.9	81.9	78.4	77.0	31.6		85		5.7		0	0	0	2	0	0	0	0	29
	0300		990.8	—0.6	1000.8	84.4	79.0	76.9	31.3	+0.9	77	—5	4.3	—0.5	0	0	0	6	1	0	0	1	23
	1200		987.2		997.0	96.6	82.5	76.5	31.4		53		2.1		0	1	0	26	3	0	0	0	1
Ormara	0000	15	998.7		999.2	81.0	78.2	76.8	31.6		88		0.0		0	0	1	0	0	0	26	0	
	0300		999.8	—	1000.3	81.8	77.7	75.9	30.7	+1.6	83	—3	3.5	—2.7	0	0	0	0	0	0	29	0	
	1200		997.4		997.9	87.1	80.3	77.4	32.1		73		0.8		0	0	0	0	2	5	24	0	0
Pasni (R)	0000	10																					
	0300																						
	1200																						
Turbat	0000	510	983.1		1000.4	78.9	74.3	72.2	27.1	—	80		1.5		3	0	0	0	1	17	2	4	4
	0300		984.5	—	1001.7	84.3	79.9	78.0	32.4		81	—	1.6	—	2	0	0	0	0	7	4	17	1
	1200		987.0		996.4	106.3	87.8	80.8	36.3		46		1.0		0	1	0	1	1	10	8	10	0
Panjgur	0000	3177	896.0		892.5	*	*	*	*		*		0.9		8	6	0	2	3	6	1	5	0
	0300		896.9	+0.6	893.5	77.7	63.6	52.1	14.3	—6.3	45	—17	1.0	—0.4	5	9	0	1	1	4	2	8	1
	1200		894.6		891.6	97.8	65.0	35.4	7.8		12		1.0		0	1	0	0	0	12	0	18	0
SIND (Upper)																							
Reti (R)	0000	280																					
	0300																						
	1200																						
Jacobabad	0000	183	991.0		997.3	86.1	80.3	77.7	32.3		76		1.0		2	3	3	15	5	2	0	0	1
	0300		992.7	+0.2	999.1	86.8	80.5	77.8	33.5	—0.1	77	—1	2.6	+1.2	2	0	6	16	3	0	0	2	2
	1200		989.8		995.7	99.9	82.9	75.6	30.8		47		2.8		1	0	2	19	7	0	0	1	1
Sukkur	0300	221	991.1	+0.8	998.6	84.2	79.1	77.0	31.9	+3.1	79	+5	3.9	+2.4	2	2	0	12	7	5	2	0	1
	1200		988.2		995.5	98.7	83.0	76.0	31.6		50		3.8		5	5	0	8	8	3	0	0	
Padidan	0000	153	991.2		997.4	81.3	77.6	76.0	31.1		85		3.7		0	1	0	22	2	0	0	0	6
	0300		993.6	—	998.7	84.2	78.6	76.6	31.6	—	77	—	3.7	—	3	1	0	22	3	0	0	0	2
	1200		990.8		995.9	97.2	82.1	75.7	30.4		51		3.8		2	2	4	14	5	0	0	1	3

(R) Register not received.

(*) Data rejected.

SUB-DIVISION AND STATION	Hours of observation.	Height of bar cistern above mean sea level.	Mean Pressure: Station level reduced to standard temperature and gravity.	Mean Pressure: Departure from normal.	Mean Pressure: Reduced to standard temperature and M.S.L. or nearest 0pm level.	Mean Temperature of the Air and Humidity: Dry bulb.	Wet bulb.	Dew point.	Vapour pressure.	Departure from normal.	Relative humidity.	Departure from normal.	Total Cloud Amount: Mean amount.	Departure from normal.	Wind Direction Number of Observations From :— N	NE	E	SE	S	SW	W	NW	Calm.
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	G.M.T.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%		oktas										
SIND—(Lower)																							
Umarkot	0000	55	996.8		998.4	79.4	78.2	78.0	32.9		95		5.9		2	0	0	0	10	13	0	1	5
	0300		997.8		999.7	82.3	79.6	78.5	32.5		87		5.8		1	0	3	0	9	14	0	1	3
	1200		995.0		996.9	90.5	82.7	80.0	34.2	—	71	—	5.8	—	0	1	2	0	4	17	3	1	3
Chhor	0000	19	997.6		998.3	79.6	77.4	76.5	30.9		90		4.9		0	3	0	0	0	15	0	0	13
	0300		999.2	—	999.9	81.7	78.6	77.3	31.9		87		6.2		1	1	0	1	5	15	0	0	8
	1200		996.6		997.2	88.7	81.1	77.6	32.5		71		5.9		0	2	0	0	0	21	0	1	7
Hyderabad	0001	96																					
	0300		995.7	—1.0	999.0	82.6	78.8	77.2	31.4	+4.1	83	+9	2.5	—1.0	1	1	0	2	0	24	0	1	2
	1200		993.6		996.8	92.9	83.1	79.9	33.8		64		2.2		0	2	0	1	0	25	0	0	3
Karachi (Airport)	0000	73	996.7		999.2	81.5	78.4	77.0	31.4		87		5.5		2	0	0	0	0	5	16	3	5
	0300		997.8		1000.3	82.9	78.9	77.2	32.0		83		6.5		1	0	0	0	0	5	19	2	4
	1200		995.9		998.4	86.4	79.7	76.9	31.2		73		6.1		0	0	0	1	0	17	11	0	2
Karachi (Manora)	0000	13	998.6		999.1	81.8	78.9	77.7	32.5		87		6.1		0	0	0	0	0	5	16	0	10
	0300		999.8	—1.2	1000.2	82.8	79.4	78.1	32.8	+2.5	85	—2	6.4	+0.1	0	0	0	0	0	4	16	1	10
	1200		998.0		998.4	85.6	80.4	78.2	32.2		79		6.5		0	0	0	1	0	14	13	1	2
Badin	0000	31	998.2		999.2	80.5	78.6	78.0	18.4		91		0.4		0	1	0	0	0	18	0	2	10
	0300		999.4	—0.5	1000.3	81.5	78.9	77.5	32.7	+3.6	89	+9	3.4	—1.8	0	2	0	0	0	23	0	2	4
	1200		996.7		997.8	89.1	80.8	74.3	31.7		67		3.0		0	1	0	0	0	22	0	1	7
IRAN																							
Jask	0300	13	999.0		999.3	88.3	84.8	83.4	39.2		86		2.2	—0.4	1	3	21	1	1	2	1	0	1
	1200		997.2		997.6	93.2	90.1	88.9	47.4		89		0.5		1	0	5	1	10	7	7	0	0
ARABIA																							
Muscat	0300	20	998.6		999.1	86.2	81.5	79.5	34.5		82		2.3	—0.2	0	6	4	9	2	0	1	3	6
	1200		997.3		997.7	88.1	83.2	81.1	36.3		80		2.1		2	14	4	8	0	0	0	2	3
Kuwait*	0600	16	(f) 999.3		(f) 999.8	(f) 96.3	(f) 77.8	(f) 69.0	24.3		41		(f) 0.0		3	0	0	0	0	0	6	16	(f) 0
	1200		997.3		997.9	99.5	80.5	71.7	26.9		42		(a) 0.0		1	3	0	6	0	0	2	17	(a) 1

* Observations recorded at 0600 hrs. G.M.T. instead of 0300 hrs. G.M.T. (a) Mean for 30 days. (f) Mean for 25 days.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF AUGUST 1953.

SUB-DIVISION AND STATION	Maximum Temperature of the air °F				Minimum Temperature of the air °F				Precipitation (inches)						Wind Velocity (knots)		Weather Number of Day				
	Mean.	Departure from normal.	Highest.	Date.	Mean.	Departure from normal.	Lowest.	Date.	Total of the month.	Departure from normal.	Heaviest fall in 24 hours.	Date.	Days with 0.10 inch or more.	Departure from normal.	Mean.	Departure from normal.	Thunder heard.	Hail.	Visibility Code Figure 93 or less: Fog.	Haze (dust).	Dust Storm.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
EAST PAKISTAN (NORTH)																					
Pabna	89.3	—0 2	94	1	79.2	+2.9	77	5 days	6.42	—4.04	1.27	3	15	—C.8							
Rajshah	x	x	x	x	x	x	x	x	4.40	—5.91	3.40	20	5	—9.R							
Sirajgang	88.2		94	13	79.9		76	27	7.27	—3.61	1.90	20	12	—3.2	3.8		3				
Bogra	% 89.9	+1.1	x	x	% 78.9	+0.3	x	x	7.36	—5.64	2.44	27	11	—5.4	3.2	+1.5	10				
Dinajpur	91.8	+2.8	98	13	79.1	+0.2	75	13,14,27	5.32	—8.39	1.78	21	8	—7.3	2.8	+0.5	3				
Rangpur	x	x	x	x	x	x	x	x	12.58	—1.17	3.85	21	13	—1.0							
EAST PAKISTAN (EAST)																					
Cox's Bazar	86.2	+0.9	93	1	76.1	0.0	72	25	22.94	—4.81	2.53	19	23	+1.1	5.5	+1.7	2				
Chittagong	86.5	+0.6	91	5 days	76.3	—0.1	73	26.31	26.78	+6.26	12.15	21	17	—0.1	4.6	—1.8	0				
Noakhali (Maijdee)	86.8	+1.1	92	13	78.2	0.0	75	4	14.53	—9.80	3.80	22	19	—3.9	x	—					
Brahmanbaria	90.0	+0.6	94	1,13,16	78.3	+2.1	76	1,25,28	14.82	+2.16	4.39	20	13	—3.8	3.9						
Comilla	89.2	+1.7	93	5 days	78.0	+1.1	76	4 days	14.73	—2.45	2.65	1	18	+0.2	2.8	—1.1					
Narayanganj	89.6	+1.8	94	1,13	79.0	+0.2	76	5	19.03	+5.77	4.34	19	18	+0.4	5.1	+1.1					
Sylhet	90.6	+0.5	96	12,13	76.6	+0.5	74	28	12.79	— 1.51	2.81	20	20	—0.1	2.8	—0.2	11				
Mymensingh	91.7	+4.0	98	13	79.7	+1.4	78	5 days	13.26	—2.23	3.80	21	15	—3.7	2.8	+0.9	1				
EAST PAKISTAN (DELTAIC)																					
Faridpur	88.0	+0.9	92	1,12	78.0	+0.1	76	5 days	11.71	—0.42	2.43	19	18	+0.9	x	x	1				
Barisal	88.5	+1.5	94	1	78.6	+0.3	71	24	x	x	x	x	x	x	x	x					
Khulna	89.3	+1.4	94	18	79.2	+0.7	74	27	10.98	—2.81	1.59	27	19	+0.6	3.8	+0.2					
Jessore	89.4	+1.3	95	2	79.0	+1.2	76	1.27	18.65	+7.61	5.61	19	16	—0 6	4.3	+1.9					
Satkhira	86.8	—1.7	91	1,8	78.7	+0.3	75	1,27	15.99	+4.42	3.92	1	22	+4.8	b) 2.3	0.0					

(b) Mean for 29 days.

(x) Data not available.

% Extrapolated from Sirajgang.

TABL III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF AUGUST 1953.

SUB-DIVISION AND STATION	Maximum Temperature of the Air °F				Minimum Temperature of the Air °F				PRECIPITATION (INCHES)						Wind Velocity (knots)		WEATHER Number of Day				
	Mean.	Departure from normal.	Highest.	Date.	Mean.	Departure from normal.	Lowest.	Date.	Total of the month.	Departure from normal.	Heaviest fall in 24 hours.	Date.	Days with 0.10 inch or more.	Departure from normal.	Mean.	Departure from normal.	Thunder heard.	Hail.	Visibility Code Figure 93 or less		
																			Fog.	Haze (dust)	Dust Storms.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
KASHMIR																					
Srinagar (x)																					
Gulmarg (x)																					
Dras (x)																					
Leh (x)																					
Skardu (x)																					
Gilgit (x)																					
Misgar	75.6	—	85	1	51.8	—	45	25	0.26	—	0.11	3	2	—	5.4	—	0	0	0	0	0
Jammu (x)																					
Kargil (x)																					
NORTH PUNJAB																					
Lahore	94.8	—2.2	101	19	79.5	+0.8	73	4,5	8.35	+3.20	2.98	4	10	+4.3	2.9	+1.2	13	0	0	0	1
Sialkot	93.2	—1.0	100	7,19	77.7	—0.5	73	5 days	8.53	—0.77	1.70	31	11	+2.0	2.5	+0.9	9	0	0	0	0
Jhelum	93 0	—	99	13	77.0	—	71	3,19	9.55	—	3.73	1	10	—	1.7	—	14	0	0	0	3
Rawalpindi	93.9	+0.2	100	15,19	69 1	—6.4	58	27,28	8.50	—0.67	2.89	3	8	—1.1	1.3	—0.1	14	0	0	0	0
Khushab	97.6	—2.2	103	19	80.7	—0.4	71	4	2.93	—0.58	1.50	10	2	—1.7	4.4	—0.2	0	0	0	0	1
Lyallpur	96.8	—1.2	102	12,19	79.7	—0.8	73	5	4.42	+0.84	1.60	6	6	+0.7	3.0	+0.6	15	0	0	1	7
SOUTH PUNJAB																					
Montgomery	97.0	—3.1	103	2	79.5	—2.2	74	29,30,31	6.70	+3.80	1.22	17	9	+5.3	2.9	—1.4	0	0	0	0	0
Multan	100.2	+1.3	106	2,3	83.5	+0.6	76	4,5	1.71	—0.11	0.98	5	3	+0.5	3.2	+1.2	9	0	0	0	1
Fort Abbas	97.7	—	105	1,3	7.90	—	70	4,21	6.26	—	2.22	4	5	—	6.5	—	0	0	0	0	0
Bahawalpur	99.5	—1.1	107	3	82.1	+0.4	77	31	2.35	+1.02	1.60	31	2	—0.3	3.4	—0.4	2	0	0	0	0
Khanpur	102.3	0.0	109	1	82.2	+0.9	74	4	0.52	—1.41	0.12	4	2	—0.4	5.0	—1.4	9	0	0	0	3
N.-W. F. P. (Upper)																					
Chakdara	93.3	—	97	7,22	73.6	—	63	18	2.84	—	0.98	27	7	—	2.6	—	5	0	0	0	0
Peshawar	97.1	—1.1	102	7	79.0	+0.1	72	31	0.05	—1.98	0.03	31	0	—2.5	3.6	+1.9	11	0	0	0	2
Landikotal	90.8	—	97	12	73.2	—	68	5,23	0.50	—	0.39	9	2	—	4.5	—	4	0	0	0	0
N.-W.F.P. (Lower)																					
Bannu	96.5	—3.5	101	13,15,19	80.0	—0.3	73	1,4,28	3.60	+1.71	2.56	1	4	+0.9	2.9	—	0	0	0	0	0
Miranshah (R)																					
D. I. Khan	100.0	—0.5	106	2	80.9	—0.3	72	4	3.07	+1.17	3.00	4	1	—1.3	1.7	+0.2	0	0	0	0	0
HILL STATIONS (excluding Kashmir & Baluchistan)																					
Murree	72.0	—1.2	77	6 18,19	59.6	+2.2	55	29	10.79	—3.02	1 42	9	16	+1 7	4.6	+1.4	14	0	13	0	0
Cherat	85.3	—0.1	91	7	68.1	—1.8	62	3	5.20	+0.26	2.44	15	5	—1.4	X	—	0	0	0	0	0
Drosh	93.6	—1.6	96	2,8	71.6	—1.0	64	4	0.66	+0.01	0.36	4	2	+0 1	6.3	+2.1	11	3	0	0	0
Parachinar	84.4	—0.3	87	13,15	64 1	—0 7	60	24	4.03	+0 33	1.68	17	7	—0 6	3.1	+1.0	3	0	0	0	0
Wana	94.7	+5.3	97	9 days	69.8	—0.3	63	13	1.59	+0.65	0.79	4	5	+1.8	3.2	—	0	0	0	0	0

(x) Data not available.
(R) Register not received.

(c) Mean for 28 days

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF AUGUST 1953

SUB-DIVISION AND STATION	Maximum Temperature of the Air °F				Minimum Temperature of the Air °F				Precipitation (inches)						Wind Velocity (knots)		Weather Number of Days				
	Mean.	Departure from normal.	Highest.	Date.	Mean.	Departure from normal.	Lowest.	Date.	Total of the month.	Departure from normal.	Heaviest fall in 24 hours.	Date.	Days with 0.10 inch or more.	Departure from normal.	Mean.	Departure from normal.	Thunder heard.	Hail.	Visibility Code Figure 93 or less: Fog.	Haze (dust)	Dust Storm.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
AFGHANISTAN																					
Jalalabad	99.8	—	104	13	78.4	—	71	9	0.09	—	0.09	9	2	—	4.1	—	0	0	0	0	0
Kabul	91.8	+0.8	95	1	58.7	+0.4	52	22	0.01	—0.08	0.01	6	0	—0.4	2.4	+0.8	4	0	0	0	1
Kandhar	98.8	—	102	4 days	64.0	—	57	24,30,31	0.00	—	0.00	0	0	—	0.8	—	0	0	0	0	0
BALUCHISTAN (North)																					
Fort Sandaman	94.9	—2.0	100	12,22,23	73.4	+0.1	69	5	2.24	+0.34	0.75	4	3	—0.8	3.8	+1.8	5				
Hindubagh	94.2	—	98	4,16,17	66.7	—	58	24	0.16	—	0.08	7	0	—	4.2	—	5				
Loralai	90.4	—	95	1	65.9	—	62	5	2.65	+1.43	0.95	7	4	—	3.5	—	8			2	1
Harnai					(a)				6.20	+3.54	1.78	30	7	+2.7							
Sibi	104.4	—0.5	112	1	80.5	+4.8	75	30	1.81	+1.23	0.89	4	3	+1.9	3.3	—1.7	7				1
Quetta	92.4	—	99	1	62.1	—	50	23,27	0.36	—	0.19	5	1	—	4.7	+2.7	2				
Quetta (Samungli)	93.1	—	100	1	62.4	—	49	23	0.46	—	0.24	2	2	—	5.9	—	5				2
Chaman	98.7	+0.4	106	1	73.5	+0.2	65	24	0.00	—0.04	0.00	—	0	—0.1	1.9	—2.6					
Nushki	103.8	—	113	1	78.3	—	68	9	0.00	—	0.00	—	0	—	x	—					2
Kalat	87.2	—2.6	94	1	59.1	+0.9	52	23,24	3.06	—2.73	1.82	8	3	+2.1	2.7	—1.2					
Dalbandin	105.4	—0.7	111	1	71.4	—0.2	59	24	0.00	—0.13	0.00	—	0	—0.2	4.7	+0.4					
Nokkundi	105.9	—1.0	113	1,2	80.5	—0.6	71	25	0.00	0.00	0.00	—	0	0.0	11.5	—0.5					
BALUCHISTAN (South)																					
Lasbella	101.6	+2.4	110	19,20	x	—	—	—	2.01	+0.95	0.70	11	5	+3.0	2.7	—0.2					
Ormora	89.1	+2.1	94	3	79.9	+1.4	75	8	0.80	+0.69	0.51	8	2	+1.7	10.7	+2.1	2				
Pasni																					
Turbat	108.5	—	115	6,13,14	76.4	—	71	26,27	0.08	—	0.08	1	0	—	7.1						
Panjgur	99.3	—1.6	103	1	71.8	—1.4	62	24	0.10	—0.24	0.10	3	1	+0.3	4.2	+0.2					
SIND (Upper)																					
Reti (R)																					
Jacobabad	102.0	—1.7	108	1	84.0	+1.8	78	8,11	1.20	+0.32	1.03	10	1	—0.3	7.3	+1.5	4				
Sukkur	101.6	+0.4	107	2	81.3	+0.5	76	11	2.57	+1.45	2.25	11	3	+2.0	2.6	—1.8					
Padidan	x	—	—	—	79.7	—	75	7	1.30	—	1.05	7	3	—	5.5						
SIND (Lower)																					
Umarkot	94.2	—	101	3	78.0	—	74	11	11.60	—	2.50	4	10	—	5.8	—					
Chhor	91.0	—	98	3	78.5	—	75	3	8.17	—	1.76	18	11	—	x	—					
Hyderabad	97.3	+1.5	104	4	79.9	+0.7	74	17	4.50	+2.47	1.67	18	7	+4.8	5.1	—3.9					
Karachi (Airport)	90.7	—	99	1	80.3	—	76	19	8.28	—	5.08	7	6	—	9.0	—	4				
Karachi (Manora)	88.2	+2.4	92	1	80.8	+2.3	77	6	16.83	+15.27	10.95	7	8	+6.4	7.9	—2.5				1	
Badin	92.5	+0.3	101	7	x	—	—	—	6.28	+3.96	3.40	4	5	+2.7	7.4	—				1	
IRAN																					
Jask	95.4	+0.9	108	14	85.2	+1.4	80	26	0.00	—0.01	0.00	—	0	0.0	9.0	+0.7					
ARABIA																					
Muscat	91.2 (a)	+0.5	101	9,10	84.0 (a)	+0.5	76	30,31	0.00	—0.02	0.00	—	0	—0.1	2.5	—0.5					
Kuwait *	105.7		114	10	90.5		81	12	0.00		0.00	—	0		6.4						

(R) Register not received (x) Data not available. (a) Mean for 30 days.
(*) Observation recorded at 0600 hours GMT. instead of 0700 hours GMT.

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PAKISTAN WEATHER REVIEW 1953

Monthly Weather Report

September.

PUBLISHED BY THE AUTHORITY OF THE GOVERNMENT OF PAKISTAN

Chief Features.—1. Fairly widespread rainfall in the Punjab, the North West Frontier Province and northeast Baluchistan in the beginning of the month and again between the 15th and the 17th.

2. Moderate monsoon activity over East Pakistan during the month.

West Pakistan.—The persistence of the last month's low pressure area over Rajputana coupled with the eastward passage of two western disturbances across the extreme north caused fairly widespread thundershowers with a few heavy falls in the Punjab, the North West Frontier Province and northeast Baluchistan during the first two days of the month.

According to press reports a large number of houses collapsed and many people rendered homeless in Bahawalpur State as a result of cloud burst during the period and many people died in Sibi district due to heavy rains.

Thereafter scattered thundershowers occurred in the upper N.W.F.P and Murree hills with a few falls elsewhere over the northern parts of the country during the earlier half of the month in association with the passage of four western disturbances across the extreme north and the westward movement of a low from northwest Rajputana.

The beginning of the third week was marked by a revival of the monsoon activity in the Punjab and the North West Frontier Province when a low pressure wave moving from the west accentuating the seasonal low over northeast Baluchistan.

The Monsoon receded finally during the later half of the third week from West Pakistan where dry weather prevailed during the rest of the month except for occasional thunderstorm activity with a few showers in the extreme north on account of the passage of a western disturbance.

Some of the noteworthy rainfall amounts recorded during the month were : Murree 3", Lahore, Sialkot and Montgomery 2" each, Cherat and Sibi 1" each on the 1st ; Bannu 3" and Cherat 1" on the 6th ; Murree 3" on the 15th ; Lahore and Khushab 1½" each on the 16th and Drosh 4" on the 24th.

Total rainfall during the month was in large excess in South Punjab and N.W.F.P (upper, and lower), in slight excess in North Punjab, normal in North Baluchistan and in large defect elsewhere. Averaged over the region as a whole, excluding Baluchistan, it was in moderate excess.

The mean maximum and minimum temperatures were normal over the region excepting over N.W.F.P. (lower) where the mean maximum temperature was in defect. The mean relative humidity was in excess in south Punjab and normal elsewhere. Skies were more clouded over South Punjab and upper Sind, normally clouded over North Punjab and N.W.F.P. (Upper) and less than normal elsewhere.

East Pakistan.—Monsoon was fairly active over the region upto the 19th. It weakened temporarily when a low pressure wave from the East moved into central and adjoining North Bay of Bengal on the 21st and concentrated into a depression by the 23rd. Moving initially northwestwards and then northwards, the depression crossed coast on the 26th night near Saugar Island. It moved northwestwards thereafter and became unimportant on the 30th over east U.P.

Monsoon became active again after the depression crossed coast and remained so till the end of the month.

Significant amounts of rainfall during the month were :—Comilla 5" and Rangpur 3" on the 1st ; Noakhali 6" on the 7th ; Chittagong 4", Dacca, Jessore and Bogra 3" each on the 9th ; Dinajpur 9" and Chittagong 3" on the 10th ; Dinajpur 5" and Rangpur 3" on the 11th ; Dinajpur and Rangpur 3" each on the 12th ; Rangpur 6", Mymensingh, Sirajganj and Dinajpur 3" each on the 13th ; Srimangal 5", Mymensingh and Sirajganj 4" each, Chittagong and Dacca 3" each on the 14th ; Chittagong 3" on the 15th ; Jessore 3" on the 18th ; Rangpur 3" on the 26th and Satkhira 3" on the 29th.

The total rainfall of the month was in large excess over the northern sub-division and in moderate excess, elsewhere. Averaged over the region as a whole it was in moderate excess.

The mean maximum and minimum temperatures, relative humidity and cloudiness were normal over all the sub-divisions.

Table I contains the Divisional means of rainfall, temperature humidity and cloud amount for 5 Chief divisions and 12 sub-divisions of Pakistan. These means are based on the Observations at the stations whose monthly means are given in the subsequent tables.

TABLE I—DIVISIONAL AND SUB-DIVISIONAL MEANS, SEPTEMBER, 1953.

Division.	PRECIPITATION.				DEPARTURE FROM NORMAL OF				
							0003 hrs. G.M.T.		
	Actual	Normal.	Departure from normal.	Percentage departure from normal.	Maximum temperature.	Minimum temperature.	Vapour pressure.	Relative humidity.	Cloud.
1	2	3	4	5	6	7	8	9	10
	Inches	Inches	Inches		Degree	Degree	Mb	%	
EAST PAKISTAN	16·08	11·12	+4·96	+45	+0·2	+0·3	+0·6	+2	+0·8
Mean of East Pakistan	16·08	11·12	+4·96	+45	+0·2	+0·3	+0·6	+2	+0·8
Punjab	2·21	1·61	+0·60	+37	—1·8	+0·6	+1·3	+5	+0·2
N. W. F. P.	1·85	0·69	+1·16	+168	—2·5	+0·6	+1·5	+4	—0·2
Baluchistan	0·13	0·19	—0·06	—31	—0·3	+0·1	+0·6	0	+0·5
Sind	0·00	0·45	—0·45	—100	—0·2	+0·8	+1·1	+4	—0·7
Mean of West Pakistan excluding Baluchistan	1·39	1·06	+0·33	+31	—1·4	+0·7	+1·3	+5	—0·2
East Pakistan (North)	17·88	11·04	+6·84	+62	—0·6	+0·6	+0·2	0	+0·4
East Pakistan (East)	17·41	12·57	+4·84	+39	+0·4	+0·5	+0·8	+2	+0·8
East Pakistan (Deltaic)	11·81	8·90	+2·91	+33	+0·3	0·0	+0·5	+3	+1·0
Kashmir *									
North Punjab	2·85	2·48	+0·37	+15	—1·8	+0·6	+1·0	+4	0·0
South Punjab	1·42	0·53	+0·89	+168	—1·8	+0·7	+1·7	+7	+0·5
N. W. F. P. (Upper)	2·80	0·81	+1·99	+246	— 1·1	+1·2	+2·0	+4	—0·1
N. W. F. P. (Lower)	1·37	0·63	+0·74	+117	—3·3	+0·3	+1·3	+4	—0·3
Baluchistan (North)	0·19	0·21	—0·02	—9	—0·5	+0·3	+1·2	+3	—0·1
Baluchistan (South)	0·00	0·16	—0·16	—100	+0·1	—0·1	—0·6	—5	—1·0
Sind (Upper)	0·00	0·09	—0·09	—100	—0·7	+1·6	+0·5	+3	+0·4
Sind (Lower)	0·00	0·45	—0·45	—100	—0·2	+0·8	+1·1	+4	—0·7

(*) Data Incomplete.

TABLE II—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF SEPTEMBER, 1953.

B-Division and Station.	Hours of observation.	Height of bar cistern above mean sea level.	Mean Pressure.			Mean Temperature of the Air and Humidity.							Total Cloud Amount.		Wind Direction Number of Observations From :—								
			Station level reduced to standard temperature and gravity.	Departure from normal.	Reduced to standard temperature and M.S.L. or nearest Optkn. Level.	Dry bulb.	Wet bulb.	Dew point.	Vapour pressure.	Departure from normal.	Relative humidity.	Departure from normal.	Mean amount.	Departure from normal.	N	NE	E	SE	S	SW	W	NW	Calm
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas	oktas									
EAST PAKISTAN (North)																							
Pabna	0300					84·7	80·1	79·0	33·5	+0·2	81	0											
Sirajganj	0000	49	1002·3		1004·0	79·9	78·8	78·4	33·4		96		5·1		0	0	0	5	3	3	0	0	19
	0300		1004·2		1005·8	83·3	79·8	78·5	32·8		85		5·5		0	1	2	10	1	0	0	0	16
	1200		1000·9		1002·6	82·8	80·0	78·7	33·6		87		5·3(b)		0	0	1	4	3	1	0	0	21
Bogra	0000	(×) 65	1002·4		1004·7	79·4	78·2	77·8	32·3		95		6·1		0	0	2	0	3	0	0	0	25
	0300	63	1004·0	—0·6	1006·1	83·2(a)	80·0	78·7	33·6	+0·7	87	+3	5·8	+0·8	0	4	7	11	1	7	0	0	0
	1200		1000·4		1002·5	84·0(a)	80·2	78·6	33·2		83		5·9		0	0	7	12	1	3	0	2	5
Dinajpur	0000	123	1002·3		1006·5	79·0	77·8	77·2	32·3		95		4·7		0	8	1	1	0	0	0	0	20
	0300		1003·6	+1·4	1007·8	82·7	78·7	77·0	32·0	—0·3	83	—2	5·1	0·0	0	1	5	2	0	0	0	0	22
	1200		1000·2		1004·4	84·1	79·4	77·5	32·4		81		4·4		1	3	1	1	0	0	0	0	24
Rangpur	0300												5·6		2	6	17	1	4	0	0	0	0
	1200												5·0		0	4	12	1	1	0	1	0	11
EAST PAKISTAN (East)																							
Cox's Bazar	0000	(×) 10	1005·4		1005·7	77·4	76·0	75·3	29·5		93		6·4		1	2	15	7	2	0	0	0	3
	0300	38	1006·6	+0·4	1007·9	81·9	78·9	77·7	32·5	+0·8	87	+3	5·4	+0·2	0	0	0	10	6	0	0	1	13
	1200		1003·9		1005·1	82·0	78·4	76·9	31·7		85		6·2		0	0	0	7	7	1	1	0	14
Chittagong	0300	87	1004·1	—0·6	1007·1	82·9	78·7	76·9	32·0	+0·7	83	—1	6·3	+0·8	0	2	5	14	5	0	0	0	4
	1200		1001·1		1004·1	81·9	78·5	77·0	31·7		85		6·3		0	1	1	7	10	6	4	1	0
Noakhali (Maijdee)	0000	25	1005·3		1006·2	79·3	77·8	77·0	31·5		93		6·4		0	0	0	9	0	0	0	0	21
	0300		1006·4	0·0	1007·3	81·6	78·8	77·4	32·5	—0·1	87	+1	6·6	+1·9	0	0	0	9	1	1	0	0	19
	1200		1003·3		1004·2	83·9	79·8	77·8	33·2		83		6·4		0	0	1	13	0	0	0	0	16
Brahmanbaria	0000	32	1004·4		1005·5	79·9	78·4	77·8	32·6		93		6·3		0	0	2	4	8	1	0	0	15
	0300		1005·7		1006·8	84·2	80·0	78·2	33·2	+2·1	83	+4	5·5		1	5	0	5	10	4	0	0	5
	1200		1002·6		1003·7	84·3	80·2	78·6	33·2		83		5·3		1	1	1	2	12	0	0	0	13
Comilla	0000	29	1004·5		1005·5	78·6	77·5	77·0	32·3		95		6·7		0	0	0	6	3	0	0	0	21
	0300		1005·4	—0·8	1006·4	83·3	79·6	77·9	32·8	+0·6	85	+5	6·2	+1·3	0	0	2	5	9	1	0	0	13
	1200		1002·5		1003·5	84·5	80·4	78·9	34·3		83		6·1		0	0	0	4	9	0	0	0	17

(×) Observations at 0000 hours were recorded at a distance site by P.B.O. staff. (a) Extrapolated from P.B.O., Bogra. (b) Mean of 29 days.

TABLE II—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF SEPTEMBER, 1953.

B-Division and Station.	Hours of observation.	Height of bar cistern above mean sea level.	Mean Pressure.			Mean Temperature of the Air and Humidity.							Total Cloud Amount.		Wind Direction Number of Observations From :—								
			Station level reduced to standard temperature and gravity.	Departure from normal.	Reduced to standard temperature and M.S.L. or nearest Cpkm. level.	Dry bulb.	Wet bulb.	Dew point.	Vapour pressure.	Departure from normal.	Relative humidity.	Departure from normal.	Mean amount.	Departure from normal.	N	NE	E	SE	S	SW	W	NW	Calm
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	GMT.	Ft.	Mb.	Mb.	Mb.	oF	oF	oF	Mb.	Mb.	%	%	oktas	oktas									
EAST PAKISTAN (East)—Contd.																							
Narayanganj	0000	26	1004·8		1005·7	80·5	78·7	78·1	32·9		91		6·9		0	0	5	5	8	1	4	0	7
	0300		1005·9	—0·1	1006·8	84·3	80·0	78·3	32·4	—0·1	81	—1	6·7	+0·6	1	3	4	7	7	3	3	2	0
	1200		1002·7		1003·6	84·3	79·9	78·2	32·4		81		6·7		0	0	6	1	10	2	1	0	10
Srimangal	0000	69	1003·8		1006·2	76·0	75·3	74·5	29·9		98		6·0		0	0	0	2	3	0	0	0	25
	0300		1004·7	—0·8	1007·0	80·9	78·4	77·6	32·2	+0·7	89	+4	5·8	+0·9	1	1	1	4	9	0	1	0	13
	1200		1001·3		1003·7	81·2	79·2	78·4	32·9		91		6·2		1	0	1	2	5	5	1	0	15
Mymensingh	0000	62	1003·3		1005·5	79·0	78·0	77·7	32·3		95		6·4		0	0	6	0	0	0	0	0	24
	0300		1005·1	—0·1	1007·3	83·0	80·3	79·3	34·4	+1·9	89	+4	6·1	+0·1	0	0	10	1	0	0	0	0	19
	1200		1001·2		1003·4	85·1	81·4	79·9	35·1		85		5·6		0	0	2	0	0	0	0	0	28
EAST PAKISTAN (Deltaic)																							
Faridpur	0000	46	1002·1		1003·7	80·1	78·8	78·3	32·6		93		6·6		0	0	0	3	7	0	1	1	18
	0300		1003·6	—1·2	1005·2	84·0	80·3	78·3	34·0	+0·7	85	+4	6·3	+1·3	1	1	0	6	11	1	0	1	9
	1200		1002·1		1003·7	84·3	80·2	78·3	33·2		83		6·6		0	2	0	3	6	0	0	0	19
Barisal	0000	11	1004·7		1005·1	79·9	78·5	78·1	32·6		93		6·0		0	0	8	1	6	1	1	0	13
	0300		1006·2	—0·1	1006·6	83·9	80·3	78·8	34·0	+1·1	85	+2	5·7	+0·4	2	2	2	9	5	3	1	0	6
	1200		1001·9		1002·3	84·7	80·5	78·3	34·3		83		6·0		2	0	5	8	8	2	0	0	5
Khulna	0000	16	1004·5		1005·0	79·1	78·0	77·7	32·3		95		5·6		0	2	2	9	4	0	0	0	13
	0300		1006·1	0·0	1006·7	83·6	80·1	78·7	34·0	+1·4	85	+4	6·1	+0·4	0	5	3	11	3	3	0	0	5
	1200		1002·7		1003·3	83·8	80·0	78·5	33·2		83		5·5		0	0	2	11	1	3	0	0	13
Jessore	0000	26	1003·3		1004·2	79·5	78·6	78·4	32·3		95		5·8		0	0	1	1	4	1	2	0	21
	0300		1004·5	—1·1	1005·4	83·1	80·1	78·9	33·6	+0·3	87	+3	6·4	+1·3	0	2	4	4	6	3	3	2	6
	1200		1001·4		1002·3	84·1	80·3	78·8	33·2		83		6·1		0	0	1	2	2	3	0	0	22
Satkhira	0000	16	1003·4		1004·0	80·0	78·5	77·7	32·6		93		6·6		0	3	0	4	0	4	0	0	19
	0300		1005·2	—0·6	1005·7	83·2	79·8	78·2	32·8	—0·9	85	+2	6·6	+3·6	3	3	1	7	5	5	0	2	4
	1200		1002·2		1002·7	84·4	79·8	77·2	32·4		81		7·0		1	1	0	10	1	4	0	0	13

TABLE II—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF SEPTEMBER, 1953.

B-Division and Station.	Hours of observation.	Height of bar cistern above mean sea level.	Mean Pressure.			Mean Temperature of the Air and Humidity.							Total Cloud Amount.		Wind Direction Number of Observations From :—								
			Station level reduced to standard temperature and gravity.	Departure from normal.	Reduced to standard temperature and M.S.L. or nearest 1/4km. level.	Dry bulb.	Wet bulb.	Dew point.	Vapour pressure.	Departure from normal.	Relative humidity.	Departure from normal.	Mean amount.	Departure from normal.	N	NE	E	SE	S	SW	W	NW	Calm.
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas	oktas									
KASHMIR																							
Srinagar (x)	0000	5205																					
	0300																						
	1200																						
Gulmarg (x)	0000	8709																					
	0300																						
	1200																						
Dras (x)	0000	10059																					
	0300																						
	1200																						
Leh (x)	0000																						
	0300																						
	1200																						
Skardu (x)	0000	7505																					
	0300																						
	1200																						
Gilgit (x)	0000	4890																					
	0300																						
	1200																						
Misgar	0000	10190	699·6		708·6	47·2	39·8	30·7	6·0		54		2·3		0	0	0	0	0	0	5	0	25
	0300		700·4	—	709·4	46·7	39·4	30·4	5·9	—	55	—	2·7	—	0	0	0	0	0	0	3	0	27
	1200		697·0		705·7	65·0	46·3	25·1	4·9		23		3·0		0	0	17	0	0	0	12	0	1
NORTH PUNJAB																							
Lahore	0000	702	979·9		1004·1	75·2	73·0	71·8	26·7		89		1·4		0	1	3	0	0	0	0	0	26
	0300		981·2	+0·3	1005·1	81·3	74·9	71·8	26·6	+1·4	73	+7	1·2	—0·2	1	3	1	0	2	1	0	2	29
	1200		978·9		1002·3	90·4	77·1	70·4	25·8		53		2·3		3	2	2	1	1	0	4	1	16
Sialkot	0000	830	975·9		1004·3	77·3	74·1	72·5	27·3		85		2·9		0	10	0	0	0	0	0	1	19
	0300		976·9	+0·1	1005·0	81·3	75·7	72·4	27·8	+2·3	76	+1	2·2	−0·6	0	10	0	2	0	0	0	1	17
	1200		974·2		1001·9	90·6	77·2	70·9	25·8		53		2·3		1	2	0	2	1	0	1	4	19
Jhelum	0000	765	977·9		1004·3	74·7	71·7	70·0	25·2		86		2·0		1	0	0	1	0	0	0	0	28
	0300		979·3	—	1005·4	80·3	73·7	70·4	25·4	—	72	—	2·0	—	1	0	2	1	1	0	1	1	23
	1200		976·5		1001·1	91·2	76·7	69·5	24·8		51		1·7		0	0	0	4	1	12	3	3	7

(x) Data not available.

TABLE II—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF SEPTEMBER, 1953.

B-Division and Station.	Hours of observation.	Height of bar cistern above mean sea level.	Mean Pressure.			Mean Temperature of the Air and Humidity.							Total Cloud Amount.		Wind Direction Number of Observations From :—								
			Station level reduced to standard temperature and gravity.	Departure from normal.	Reduced to standard temperature and M.S.L. or nearest 0·1km. level.	Dry bulb.	Wet bulb.	Dew point.	Vapour pressure.	Departure from normal.	Relative humidity.	Departure from normal.	Mean amount.	Departure from normal.	N	NE	E	SE	S	SW	W	NW	Calm
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
NORTH PUNJAB—Contd.	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas	oktas									
Rawalpindi	0000	1676	946·3		891·3	72·7	69·2	67·3	22·8		83		0·9		1	0	0	0	0	0	2	0	27
	0300		948·2	—0·8	893·9	79·7	70·9	66·1	21·8	0·0	63	+5	1·3	—0·3	0	1	0	0	0	0	0	0	29
	1200		946·2		893·0	89·5	74·1	67·1	21·8		45		1·6		0	0	0	0	0	0	4	0	26
Khushab	0000	616	982·5		1003·7	76·2	72·7	71·1	25·9		84		0·5		1	7	6	0	2	3	0	1	10
	0300		983·9	—0·1	1004·9	82·1	74·4	70·6	25·6	+1·8	68	+4	0·8	—0·3	2	3	10	2	1	1	3	1	7
	1200		981·1		1001·7	92·8	75·3	66·0	22·0		42		0·8		1	3	5	8	7	4	1	1	0
Lyallpur	0000	605	982·8		1003·6	75·9	72·4	70·5	25·6		84		1·4		1	1	1	3	4	2	0	0	18
	0300		984·2	+0·5	1004·9	79·9	71·8	70·7	23·0	—0·6	66	+2	1·5	0·0	0	1	1	4	4	2	0	0	18
	1200		981·9		1002·1	91·5	75·8	69·2	23·3		47		2·0		1	2	2	3	4	1	0	0	17
SOUTH PUNJAB																							
Montgomery	0000	558	984·1		1003·5	75·2	72·3	71·0	25·8		86		1·1		0	1	0	5	0	6	1	2	15
	0300		985·3	—0·1	1004·4	80·6	74·8	71·7	26·9	+1·0	74	+5	1·3	+0·4	0	1	0	10	4	2	3	2	8
	1200		983·1		1001·8	91·4	77·5	70·5	25·9		51		1·3		0	1	0	9	2	0	0	0	18
Multan	0300	413	990·1	+0·2	1004·1	82·3	76·4	73·7	28·0	+0·5	75	+6	1·3	+0·7	0	1	1	2	10	10	0	2	4
	1200		987·7		1001·5	94·7	79·4	72·4	27·3		49		1·2		3	3	3	0	7	12	2	0	0
Port Abbas	0000	475	986·9		1003·3	78·1	*	*	*		*		0·7		2	1	0	7	2	9	0	4	5
	0300		987·7	—	1003·7	84·7	*	*	*	—	*	—	0·8	—	2	3	1	2	1	14	5	1	1
	1200		985·1		1001·0	95·1	*	*	*		*		0·7		3	3	0	2	0	18	2	0	2
Bahawalpur	0300	384	991·5	+0·8	1004·5	81·8	75·4	72·3	27·1	—0·1	73	+6	1·0	+0·6	1	4	1	1	1	14	0	0	8
	1200		988·8		1001·6	95·5	78·7	70·3	25·9		45		1·0		0	6	0	0	1	13	1	0	9
Khanpur	0300	297	994·9	+1·0	1004·9	83·6	77·5	75·0	29·4	+5·2	75	+10	0·7	+0·3	0	1	3	1	2	13	5	2	3
	1200		991·4		1001·2	98·4	83·0	77·0	31·6		50		1·0		3	0	0	1	2	6	9	6	3
N. W. F. P. (Upper).																							
Chakdara	0000	2225	929·3		893·9	71·1	65·1	60·3	18·8		72		0·6		1	0	0	0	0	0	0	2	27
	0300		930·5	—	895·5	74·3	66·9	61·7	19·5	—	67	—	2·0	—	2	6	0	0	0	0	0	1	21
	1200		928·1		894·0	87·9	72·4	64·8	20·8		46		1·2		1	1	2	1	1	6	5	1	12
Peshawar	0000	1175	963·8		1004·0	74·3	68·5	64·9	21·2		72		1·3		2	0	0	0	1	1	0	4	22
	0300		965·4	—0·2	1005·2	79·3	71·0	66·1	22·1	+2·0	64	+4	1·4	—0·1	4	1	1	1	0	0	1	7	15
	1200		962·1		1000·9	91·4	73·4	63·2	20·0		39		2·6		3	18	2	2	0	1	1	1	2
Landikotal	0000	3503	889·6		896·4	68·6	62·8	59·0	17·2		71		0·9		2	4	0	0	0	0	0	1	23
	0300		889·9	—	896·7	73·2	65·9	60·2	18·0	—	59	—	0·8	—	6	11	0	0	0	0	0	0	13
	1200		887·8		894·5	83·9	68·8	60·2	17·9		46		1·8		1	10	9	7	1	1	0	1	0

* Data rejected.

TABLE II—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF SEPTEMER, 1953.

B-Division and Station.	Hours of observation.	Height of bar cistern above mean sea level.	Mean Pressure.			Mean Temperature of the Air and Humidity.							Total Cloud Amount.		Wind Direction Number of Observations From :—								
			Station level reduced to standard temperature and gravity.	Departure from normal.	Reduced to standard temperature and M.S.L. or nearest Gpkm. level.	Dry bulb.	Wet bulb.	Dew point.	Vapour pressure.	Departure from normal.	Relative humidity.	Departure from normal.	Mean amount.	Departure from normal.	N	NE	E	SE	S	SW	W	NW	Calm.
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas	oktas									
N. W. F. P. (Lower)																							
Bannu	0000	1264	960·5		1003·6	75·4	70·3	66·9	23·0		77		0·3		2	7	4	1	0	2	3	4	7
	0300		961·7	—	1004·5	80·4	72·1	66·9	23·1	+1·6	64	+4	0·5	—0·4	2	3	8	3	2	1	4	4	3
	1200		959·4		1000·9	91·1	73·6	63·8	20·4		41		0·8		1	1	12	13	1	0	1	1	0
Miranshah (R)	0000	3026																					
	0300																						
	1200																						
D. I. Khan	0000	570	982·9		1002·4	76·6	72·5	70·0	25·4		82		0·4		1	3	0	1	0	0	0	0	25
	0300		985·8	+1·1	1005·3	80·2	74·3	71·6	26·3	+1·0	74	+5	0·5	—0·3	0	2	1	0	0	0	1	0	26
	1200		983·2		1002·1	95·6	77·3	68·1	23·7		41		0·5		0	2	3	1	1	0	0	0	23
BALUCHISTAN (North).																							
Fort Sandeman	0300	4614	856·6	0·0	897·2	72·8	59·0	45·8	11·4	—1·7	42	—9	0·9	+0·3	0	0	0	0	0	0	0	0	30
	1200		854·0		893·1	89·2	60·6	30·1	6·5		14		2·1		2	1	1	1	1	0	1	0	23
Hindubagh	0000	5909	818·4		799·3	63·4	59·3	55·4	15·8		79		0·0		0	0	0	0	0	3	13	2	12
	0300		819·5	—	800·5	67·1	62·4	59·0	17·6	—	77	—	0·1	—	0	0	1	0	0	6	8	3	12
	1200		816·8		798·6	85·9	79·5	74·8	18·7		44		0·4		0	0	1	1	0	15	8	2	3
Loralai	0000	4699	851·8		895·7	63·0	463·4	44·5	10·1		51		0·0		0	0	0	4	0	10	1	0	15
	0300		853·2	—	896·8	68·3	56·2	44·3	10·6	—	45	—	0·4	—	0	0	0	0	0	9	5	4	12
	1200		851·5		893·4	85·5	64·9	50·2	12·8		30		1·0		0	0	0	13	2	8	1	0	6
Sibi	0000	441	985·8		1000·8	82·7	74·8	70·6	25·5		67		(b) 0·2		0	0	0	0	0	1	0	0	(b) 28
	0300		986·3	—2·2	1001·3	83·4	75·1	70·6	25·9	+5·4	65	+15	0·3	0·0	0	0	0	4	5	0	0	0	21
	1200		985·3		999·7	101·7	81·2	71·2	27·3		39		(b) 0·3		0	1	1	11	9	5	0	0	(b) 2
Quetta	0300	5490	830·6	—1·5	799·4	65·8	58·7	53·5	14·5	+4·3	67	+15	0·1	—0·2	0	0	0	1	3	1	0	0	25
	1200		828·1		798·2	84·6	61·7	45·6	10·4		25		0·5		7	2	0	0	2	1	2	14	2

(R) Register not received. (b) Mean of 29 days.

TABLE II—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF SEPTEMBER, 1953.

B.-Division and Station.	Hours of observation.	Height of bar.cistern above mean sea level.	Mean Pressure.			Mean Temperature of the Air and Humidity.							Total Cloud Amount.		Wind Direction Number of Observations From :—								
			Station level reduced to standard temperature and gravity.	Departure from normal.	Reduced to standard temperature and M.S.L. or nearest 0·5mm. level.	Dry bulb.	Wet bulb.	Dew point.	Vapour pressure.	Departure from normal.	Relative humidity.	Departure from normal.	Mean amount.	Departure from normal.	N	NE	E	SE	S	SW	W	NW	Calm.
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas	oktas									
BALUCHISTAN (North)—Contd.																							
Quetta (Samungli)	0000	5253	838·9		799·7	52·7	45·3	36·9	7·6		56		0·1		0	0	5	14	1	0	0	0	10
	0300		840·1	—	80·5	60·7	50·4	39 8	8·5	—	48	—	0·2	—	0	1	3	2	0	1	1	1	21
	1200		837·3		800·5	84·9	54·5	33 3	3·6		9		0·7		0	0	0	0	0	1	15	14	0
Chaman	0000	4511	865·1		897·1	67·7	55·5	43·5	10·1		52		0·0		0	0	12	13	2	0	0	0	3
	0300		866·3	0·0	897·8	73·7	59·3	47·0	11·3	+3·4	40	+9	0·0	—0·2	0	0	2	6	0	6	2	0	14
	1200		863·8		894·2	88·7	70·4	57·5	18·3		38		0·0		1	0	0	0	1	7	18	3	0
Nushki	0000	3416	898·8		902·8	74·6	56·0	37·4	8·0		27		(b) 0·0		0	3	10	1	0	0	0	3	12
	0300		899·4	—	903·4	75·9	57·8	41·1	9·2	—	30	—	0·0	—	4	11	7	1	0	0	0	7	0
	1200		897·0		900·8	94·5	66·0	43·7	10·2		19		0·0		3	0	0	0	1	7	6	13	0
Kalat	0000	6616	799·1		800·7	51·4	42·6	32·1	6·2		49		0·0		1	0	0	2	18	0	0	1	8
	0300		79 8	+0·8	801·4	55·3	45·4	34·5	6·7	—2·0	46	+2	0·0	—0·3	1	0	0	1	13	4	0	1	10
	1200		798·0		799·6	79·1	58·8	43·8	9·6		28		0·0		11	4	2	0	2	2	0	8	1
Dalbandin	0000	2785	912·2		896·1	66·9	50·2	30·0	5·7		25		0·1		1	6	0	1	0	4	0	6	12
	0300		913·5	+0·2	897·4	69·8	51·5	29·9	5·8	—2·3	23	—11	0·0	—0·4	0	5	0	0	1	2	0	2	20
	1200		910·8		895·6	96·6	64·9	36·8	8·2		14		0·1		0	1	2	6	2	13	0	1	5
Nokkund	0000	2229	929·6		895·9	76·3	59·5	45·2	10·7		34		0·3		13	2	1	0	0	0	0	13	1
	0300		931·3	—	897·8	78·8	61·6	48·1	11·9	+1·5	35	+2	0·1	—0·1	9	5	3	1	1	0	0	7	4
	1200		928·7		896·5	98·0	74·6	59·9	19·6		32		0·2		13	1	0	0	1	1	0	13	1
BALUCHISTAN (South)																							
Las Bela	0000	292	995·9		1006·0	78·0	74·4	72·8	27·6		84		1·7		0	0	0	0	0	1	0	0	29
	0300		996·8	+1·1	1006·9	81·4	76·1	73·4	28·6	+0·6	77	—4	1·3	—1·2	0	0	0	2	1	2	0	0	25
	1200		992·7		1002·5	96·4	79·3	71·4	26·4		45		0·5		0	0	0	29	0	1	0	0	0
Ormara	0000	15	1004·5		1005·0	78·2	75·5	74·0	28·6		88		0·0		0	0	1	0	0	0	18	0	11
	0300		1005·9	—	1006·4	79·1	74·8	72·6	27·4	—0·2	81	—5	2·0	—2·9	0	0	1	0	0	2	19	0	6
	1200		1003·2		1003·7	84·8	77·0	73·4	28·2		69		0·2		0	0	1	0	3	5	21	0	0
Pasni	0000	10	1005·5		1005·8	74·5	73·1	72·2	27·1		93		3·2		0	0	4	0	0	2	14	2	8
	0300		1006·4	+0·3	1006·7	77·6	74·8	73·0	28·4	+1·1	87	+1	3·1	—0·2	0	0	4	0	1	1	10	4	10
	1200		1003·4		1003·7	85·1	77·1	73·0	28·2		68		0·4		0	0	0	0	2	26	2	0	0
Turbat	0000	510	988·1		1006·4	74·2	67·7	62·7	23·9		83		1·2		0	1	1	2	2	10	1	11	2
	0300		990·3	—	1007·7	80·1	73·5	69·5	25·3	—	72	—	1·3	—	1	2	0	0	0	3	5	13	6
	1200		985·7		1002·2	103·0	80·0	67·3	24·5		34		0·0		2	2	0	1	0	8	8	8	1
Panjgur	0000	3177	901·0		987·5	68·9	56·6	46·0	10·8		45		0·8		16	13	0	0	0	0	0	1	0
	0300		901·8	+0·8	898·3	69·6	56·3	41·9	10·1	—3·9	42	—11	0·8	+0·2	7	15	2	0	1	1	1	3	0
	1200		899·2		895·9	92·5	61·6	27 8	6·0		11		0·0		0	1	0	0	0	3	3	23	0

(b) Mean of 29 days.

TABLE II—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF SEPTEMBER, 1953.

B-Sub-Division and Station.	Hours of observation.	Height of bar cistern above mean sea level.	Mean Pressure.			Mean Temperature of the Air and Humidity.							Total Cloud Amount.		Wind Direction Number of Observations From :—								
			Station level reduced to standard temperature and gravity.	Departure from normal.	Reduced to standard temperature and M.S.L. or nearest Gpkm. level.	Dry bulb.	Wet bulb.	Dew point.	Vapour pressure.	Departure from normal.	Relative humidity.	Departure from normal.	Mean amount.	Departure from normal.	N	NE	E	SE	S	SW	W	NW	Calm.
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas	oktas									
SIND (Upper)																							
Reti	0000	280	993·9		1003·3	82·0	78·0	76·0	30·9		83		0·1		0	3	9	9	5	4	4	1	13
	0300		995·8	—	1005·0	82·3	78·1	75·8	31·5		83		0·3	—	0	1	2	1	9	11	1	0	5
	1200		992·7		1001·8	10·5	88·5	83·9	39·7		60		0·5		1	1	2	1	4	7	6	1	7
Jacobabad	0000	183	996·4		1002·8	81·7	76·9	74·8	28·9		78		0·4		1	2	10	10	5	0	0	0	2
	0300		998·1	0·0	1004·5	83·5	77·6	74·7	29·5	+1·1	75	+2	0·9	+0·4	0	1	7	15	6	0	0	0	1
	1200		995·0		1001·2	98·5	81·5	74·0	29·0		45		0·2		0	0	1	22	6	1	0	0	0
Sukkur	0300	221	996·5	+0·2	1004·1	80·7	75·3	73·0	27·2	0·0	76	+3	0·8	+0·4	0	0	1	9	3	14	3	0	0
	1200		994·0		1001·0	99·2	80·4	72·0	26·3		41		1·3		2	2	0	8	7	8	1	0	2
Padidan	0000	153	997·5		1002·7	77·5	74·2	72·4	27·4		84		0·1		0	0	0	21	5	0	0	0	4
	0300		999·0	—	1004·3	80·8	75·1	73·2	28·4	—	78	—	0·2		0	1	1	25	3	0	0	0	0
	1200		996·0		1001·1	100·0	80·9	71·7	27·3		42		0·3		0	0	0	16	7	0	1	0	6
SIND (Lower)																							
Omarkot	0000	55	1002·6		1004·5	77·4	75·4	74·8	29·2		91		0·2		0	0	0	0	9	8	0	0	13
	0300		1004·1	—	1006·0	82·7	77·6	75·4	30·3	—	79	—	0·3	—	0	0	0	0	9	17	0	0	4
	1200		1000·6		1002·5	94·2	82·1	77·8	31·9		58		0·5		0	0	0	0	1	23	1	0	5
Chhor	0000	19	1003·7		1004·4	76·5	74·7	73·7	28·7		91		0·3		0	0	0	0	0	13	0	0	17
	0300		1005·3	—	1006·1	80·1	76·7	75·2	29·6	—	85	—	1·5	—	0	0	0	0	3	25	0	0	2
	1200		1002·1		1002·7	92·7	81·1	76·0	31·5		59		1·4		0	0	0	0	0	24	0	0	6
Hyderabad	0000	96	1000·2		1003·5	77·8	73·6	71·7	26·9		82		0·2		0	0	0	0	0	27	1	0	2
	0300		1001·5	—0·3	1004·8	80·0	74·8	72·2	27·2	+2·0	78	+6	0·3	—1·0	0	0	0	0	0	29	0	0	1
	1200		998·7		1001·6	93·7	78·3	70·9	25·7		48		0·1		0	0	0	0	0	30	0	0	0
Karachi (Airport)	0000	73	402·6		1005·1	78·6	74·5	72·9	27·3		82		4·4		0	0	0	0	0	6	19	1	4
	0300		1003·9	—	1006·4	80·5	75·5	73·1	27·9	—	78	—	4·6	—	0	0	0	0	0	8	19	1	2
	1200		1002·0		1004·3	84·9	76·8	72·9	28·1		68		2·7		0	0	0	0	1	22	7	0	0
Manora	0000	13	1004·5		1005·1	78·9	75·7	74·3	29·3		87		4·3		0	0	0	0	0	3	15	3	9
	0300		1005·7	0·0	1006·3	80·0	76·4	75·0	29·6	+0·8	85	—1	3·9	—0·3	0	0	0	0	0	2	15	3	10
	1200		1003·8		1004·2	83·7	77·9	75·3	30·0		75		3·6		0	0	0	0	0	12	18	0	0
Badin	0000	31	1002·9		1004·0	78·0	76·3	75·3	30·3		93		0·0		0	0	0	0	0	18	0	0	12
	0300		1004·7	+0·3	1005·7	8·5	75·3	73·8	28·6	+1·4	86	+9	0·0	—2·9	0	0	0	0	0	22	0	0	8
	1200		1001·0		1002·0	91·0	79·0	73·5	28·4		57		0·0		0	0	0	0	0	21	0	0	9

TABLE II—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF SEPTEMBER, 1953.

B-Division and Station.	Hours of observation.	Height of bar cistern above mean sea level.	Mean Pressure.			Mean Temperature of the Air and Humidity.							Total Cloud Amount.		Wind Direction Number of Observations From :—								
			Station level reduced to standard temperature and gravity.	Departure from normal.	Reduced to standard temperature and M.S.L. or nearest Gpalm. level.	Dry bulb.	Wet bulb.	Dew point.	Vapour pressure.	Departure from normal.	Relative humidity.	Departure from normal.	Mean amount.	Departure from normal.	N	NE	E	SE	S	SW	W	NW	Calm.
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas	oktas									
HILL STATIONS EXCLUDING KASHMIR & BALUCHISTAN																							
Murree	0000	7113	782·6		798·3	57·4	54·2	51·5	13·2		82		3·3		0	2	0	8	0	1	1	17	1
	0300		784·2	—0·3	799·8	62·2	56·1	51·5	13·2	+0·2	69	+2	2·5	+0·3	0	1	5	4	0	0	11	3	6
	1200		783·3		798·7	65·8	59·8	55·9	15·4		71		3·9		0	1	2	2	0	0	11	12	2
Cherat	0000	4272	868·4		899·4	63·7	61·7	60·9	18·0		89		0·0		1	4	0	21	0	0	0	1	3
	0300		868·6	+1·3	899·4	69·0	62·5	58·1	16·7	+1·1	69	+6	0·1	—1·4	1	14	0	9	0	0	0	4	2
	1200		867·3		897·8	81·1	66·6	57·9	16·4		45		0·2		2	1	0	26	0	1	0	0	0
Drosh	0000	4806	851·0		897·8	67·3	58·0	51·0	12·6		56		1·0		0	0	0	0	0	0	0	0	30
	0300		851·8	—1·3	897·4	69·2	59·0	51·2	12·9	+0·1	53	—5	1·1	—0·1	0	0	0	0	0	0	0	0	30
	1200		847·5		892·5	84·8	64·9	49·3	13·0		31		2·7		0	3	0	0	0	18	4	0	5
Parachinar	0000	5673	824·8		797·9	61·2	54·8	50·2	12·4		67		0·4		13	9	0	0	0	0	0	1	7
	0300		825·0	—0·2	798·7	67·9	58·0	50·1	12·9	+0·4	55	—1	0·7	—0·7	0	1	0	0	1	2	0	0	26
	1200		823·9		798·0	76·2	61·7	51·0	13·5		43		2·6		0	2	2	15	5	0	0	0	6
Wana	0300	4503	857·9	—	895·1	70·6	62·7	57·6	16·2	+3·7	63	+9	0·5	—0·3	0	0	2	2	0	0	0	0	26
	1200		855·1		891·9	77·1	66·5	60·1	17·9		56		1·0		1	2	7	10	1	4	0	0	5
AFGHANISTAN																							
Jalalabad	0300	1950	934·6	—	893·5	79·6	68·8	63·2	19·6	—	57	—	1·0	—	0	0	0	0	0	0	3	0	27
	1200		931·0		883·6	93·6	75·5	68·3	22·8		43		1·3		0	1	18	0	0	0	0	0	11
Kabul	0300	5955	819·0	—	801·2	62·3	48·6	34·7	6·8	—0·8	36	—5	0·4	0·0	1	0	0	1	3	3	11	11	0
	1200		816·6		799·6	83·7	58·1	34·9	7·3		19		0·8		10	12	4	3	0	0	0	1	0
Kandahar	0300	3462	888·2	—	894·1	58·0	51·7	45·8	10·6	—	64	—	0·0	—	0	1	0	0	0	0	0	0	29
	1200		885·7		891·0	86·3	65·8	52·1	13·3		31		0·0		0	0	0	0	0	3	0	0	27
IRAN																							
Jask	0300	13	1005·0		1005·4	82·9	78·7	76·8	32·1		83		0·7	—0·7	3	3	19	1	1	0	1	2	0
	1200		1003·0		1003·4	91·7	82·5	79·0	34·5		67		0·5		0	0	0	4	6	7	13	0	0
ARABIA.																							
Muscat	0300	20	1005·1		1005·6	83·6	78·6	76·0	31·0		79		0·6	—0·4	1	0	8	2	0	0	1	6	12
	1200		1003·3		1003·9	86·4	80·3	77·5	32·9		76		0·7		2	5	7	2	0	0	0	9	5
Kuwait	(F) 0600	16	1005·8		1006·3	90·8	73·6	62·0	21·0		42		0·0		4	1	0	1	1	0	5	11	2
	(K) 1200		1004·3		1004·8	97·4	76·9	64·4	21·6		37		0·0		2	3	4	5	0	1	0	1	4

(F) Mean of 25 days. (K) Mean of 21 days.

TABLE III—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF SEPTEMBER, 1953.

Sub-Division and Station.	Maximum Temperature of the Air °F				Minimum Temperature of the Air °F				PRECIPITATION (Inches).						Wind Velocity (Knots).		Weather Number of Days.					
	Mean.	Departure from normal.	Highest	Date.	Mean.	Departure from normal.	Lowest.	Date.	Total of the month.	Departure from normal.	Heaviest fall in 24 hours.	Date.	Days which 0·10" or more	Departure from normal.	Mean.	Departure from normal.	Thunder heard.	Hail.	Visibility Code Figure 93 or Less. Fog.	Haze (dust)	Dust Storm
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
EAST PAKISTAN (North).																					
Pabna	89·5	—1·3	96	4	78·5	+2·1	74	13	14·68	+6·31	2·45	8	19	+7·9							
Rajshahi									13·05	+3·27	2·50	4,14	11	—0·6							
Sirajganj	88·1		93	1,4	78·1		73	18	18·50	+8·81	3·70	14	13	+1·2	2·8	—	4	0	0	0	0
Bogra	(+) 88·1	—1·0			(+) 78·1	+0·2			13·58	+2·29	3·08	9	14	+1·4	2·7	+1·3	14	0	0	0	0
Dinajpur	89·1	+0·4	96	5,24	77·3	—0·6	73	10	23·78	+10·73	9·32	10	12	—0·5	2·5	+0·7	12	0	0	0	0
Rangpur									23·69	+9·59	5·86	13	13	+0·1							
EAST PAKISTAN (East).																					
Cox's Bazar	88·2	+1·8	93	25,29	76·4	+0·5	75	9 days	19·20	+3·95	2·99	4	19	+4·6	3·7	+1·1	11	0	0	0	0
Chittagong	87·4	+0·3	93	4,25	76·6	+0·2	73	10,14	16·57	+3·93	4·01	9	18	+5·0	3·9	—0·8	1	0	0	0	0
Noakhali (Maijdee)	86·7	0·0	92	4 days	77·7	—0·6	73	14	23·89	+7·79	5·85	7	24	+8·0	(x)		21	0	0	0	0
Brahmanbaria	89·4	—0·8	95	1,4,5	78·8	+2·3	74	14	6·00	—3·60	2·45	6	9	—4·1	3·5	—	0	0	0	0	0
Comilla	89·0	+0·4	93	4 days	77·9	+1·0	75	14	19·29	+7·94	4·60	1	17	+3·3	4·1	+0·9	0	0	0	0	0
Narayanganj	89·8	+1·1	95	4	78·8	0·0	74	4	12·96	+3·20	4·09	4	12	—0·1	3·7	+0·8	1	0	0	0	0
Srimangal	89·1	—1·2	96	4	75·6	+0·3	72	14	16·16	+4·39	5·14	14	17	+1·1	1·7	—0·8	11	0	0	0	0
Mymensingh	89·2	+1·4	98	4	77·8	0·0	75	14,15,18	25·24	+11·15	4·15	14	18	+3·3	2·4	+1·0	2	0	0	0	0
EAST PAKISTAN (Deltaic)																					
Faridpur	88·6	+0·8	94	4	78·2	—0·3	72	17	11·99	+2·73	2·03	18	16	+4·0	(x)		4	0	0	0	0
Barisal	88·9	+0·8	95	3	78·4	+0·2	66	26	6·80	—3·28	1·97	27	9	—5·2	(x)		1	0	0	0	0
Khulna	90·7	+1·7	95	16,30	78·3	—0·2	74	1	11·56	+3·64	2·46	9	10	—2·2	3·2	+0·6	1	0	0	0	0
Jessore	89·3	+0·2	95	3	77·7	+0·2	74	4 days	14·82	+6·34	3·30	18	16	+4·0	3·3	+1·4	0	0	0	0	0
Satkhira	87·8	—1·8	93	3,4,21	78·3	0·0	74	3	13·86	+5·08	2·75	29	13	+0·8	1·9	+0·4	0	0	0	0	0

(x) Data not available. (+) Extrapolated from Serajganj.

TABLE III—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF SEPTEMBER, 1953.

Sub-Division and Station.	Maximum Temperature of the Air °F				Minimum Temperature of the Air °F				PRECIPITATION (Inches).						Wind Velocity (Knots).		Weather Number of Days.				
	Mean.	Departure from normal.	Highest.	Date.	Mean.	Departure from normal.	Lowest.	Date.	Total of the month.	Departure from normal.	Heaviest fall in 24 hours.	Date.	Days with 0·10" or more.	Departure from normal.	Mean.	Departure from normal.	Thunder heard.	Hail.	Visibility Code Figure 95 or Less. Fog.	Haze (dust)	Dust Storm.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
KASHMIR.																					
Srinagar (x)																					
Gulmarg (x)																					
Dara (x)																					
Leh (x)																					
Skardu (x)																					
Gilgit (x)																					
Misgar	68·4	—	78	12,13	44·5	—	38	29	0·61	—	0·49	1	1	—	3·6	—	0	0	0	0	0
Jammu (x)																					
Kargil (x)																					
Gurez (x)																					
NORTH PUNJAB.																					
Lahore	94·4	—2·9	101	27	74·8	+1·7	66	16,17	4·62	+2·42	1·85	1	5	+2·5	1·5	+0·2	6	0	0	0	1
Sialkot	93·5	—1·1	100	28,29	76·1	+2·3	68	16,18	3·77	+0·34	2·03	1	5	+1·2	1·4	+0·2	3	0	0	0	0
Jhelum	94·0	—	101	27	(b) 73·3	—	67	17	1·08	—	0·54	1	3	—	1·5	—	4	0	0	0	3
Rawalpindi	94·1	+0·7	99	28	69·1	—0·2	58	2	0·72	—3·17	0·51	1	2	—2·6	1·2	—0·1	3	0	0	0	0
Khushab	96·4	—2·2	102	29,30	75·4	—0·7	67	16	2·56	+1·18	1·61	16	2	0·0	3·2	—0·5	0	0	0	0	0
Lyallpur	94·5	—3·6	102	26	75·2	0·0	67	17	2·56	+1·07	1·20	1	3	+1·3	2·6	+0·6	6	0	0	0	1
SOUTH PUNJAB.																					
Montgomery	94·9	—4·4	101	29	74·3	—1·6	66	16	3·38	+2·11	1·31	1	4	+2·4	1·6	—1·8	1	0	0	0	0
Multan	97·2	—1·5	103	29	78·1	+0·4	71	16,17	2·10	+1·56	1·26	1	4	+3·3	2·5	+0·8	3	0	0	0	0
Fort Abbas	97·1	—	104	24	77·1	—	70	16	0·02	—	0·02	1	0	—	5·5	—	0	0	0	0	0
Bahawalpur	97·6	—2·8	103	28	77·8	+2·1	72	16	0·25	+0·12	0·25	11	1	+0·8	3·4	+0·3	0	0	0	0	0
Khanpur	103·7	+1·5	105	5	78·7	+1·7	73	1,17	1·09	+0·90	1·02	1	1	+0·8	4·1	—1·0	2	0	0	0	0

(x) Data not available. (b) Mean of 29 days.

TABLE III—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF SEPTEMBER, 1953.

Sub-Division and Station.	Maximum Temperature of the Air °F				Minimum Temperature of the Air °F				PRECIPITATION (Inches).						Wind Velocity (Knots).		Weather Number of Days.				
	Mean.	Departure from normal.	Highest.	Date.	Mean.	Departure from normal.	Lowest.	Date.	Total of the month.	Departure from normal.	Heaviest fall in 24 hours.	Date.	Days with 0·10″ or more.	Departure from normal.	Mean.	Departure from normal.	Thunder heard.	Hail.	Visibility Code Figure 93 or Less. Fog.	Haze (dust)	Dust Storm.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
N. W. F. P. (Upper),																					
Chakdara	92·2	—	96	28	68·4	—	64	25	0·65	—	0·47	6	2	—	4·0	—	0	0	0	0	0
Peshawar	93·9	—1·1	99	5	73·0	+1·2	65	29	2·80	1·99	1·60	6	3	+1·5	2·7	+1·4	7	0	0	0	3
Landikotal	87·6	—	92	4,5	66·6	—	56	29	1·23	—	0·62	28	2	—	3·4	—	2	0	0	0	0
N. W. F. P. (Lower).																					
Bannu	93·4	—4·5	98	5,27	74·9	+1·2	67	29	2·65	+2·02	2·55	6	1	0·0	3·2	—	0	0	0	0	0
Miranshah (R)																					
D. I. Khan	97·4	—2·0	102	26	75·1	—0·5	69	16	0·10	—0·53	0·10	16	1	+0·1	1·4	+0·2	1	0	0	0	0
BALUCHISTAN (North).																					
Fort Sandeman	91·5	—1·2	98	15	66·7	+0·5	59	25	0·00	—0·32	0·00	—	0	—0·7	3·2	+1·5	1	0	0	0	0
Hinduhagh	89·3	—	95	3	59·5	—	51	29	0·00	—	0·00	—	0	—	4·1	—	0	0	0	0	0
Loralai	89·2	—	93	16	58·9	—	54	7	0·00	—0·19	0·00	—	0	—0·5	3·3	—	2	0	0	5	1
Harnai									0·28	—0·66	0·28	1	1	—0·4							
Sibi	103·0	—1·0	107	5,9	79·0	+0·1	67	1	1·23	+1·10	1·23	1	1	+0·7	2·0	—1·3	1	0	0	0	0
Quetta	87·0	—	91	1,5,17	51·1	—	39	29	0·00	—	0·00	—	0	—	3·7	+2·1	0	0	0	0	0
Quetta (Sumsangli)	87·5	—	93	1	49·8	—	37	29	0·00	—	0·00	—	0	—	4·4	—	0	0	0	0	0
Chaman	91·3	+0·5	97	1,5	65·0	+1·3	57	28	0·00	—0·03	0·00	—	0	—0·1	0·7	—3·0	0	0	0	0	0
Nushki	96·2	—	103	1	67·9	—	60	28,29,30	0·00	—	0·00	—	0	—	(x)	—	0	0	0	0	0
Kalat	83·0	—1·0	88	1,17	49·8	+1·3	40	29	0·00	—0·09	0·00	—	0	—0·2	3·5	—0·2	0	0	0	0	0
Dalbandin	98·7	—0·6	105	17,21	59·4	—2·2	48	29	0·00	0·00	0·00	—	0	0·0	3·6	+0·4	0	0	0	2	0
Nokkundi	100·6	+0·1	108	14	71·4	+0·5	62	30	0·00	0·00	0·00	—	0	0·0	8·7	0·0	0	0	0	0	0
BALUCHISTAN (South).																					
Las Bela	101·1	+1·7	106	4	(x)	—	—	—	0·00	—0·58	0·00	—	0	—0·5	2·5	+0·1	0	0	0	0	0
Ormora	87·2	+0·8	90	2,23	77·0	+0·7	73	25,26	0·00	—0·01	0·00	—	0	0·0	9·2	—0·1	0	0	0	0	0
Pasni	88·5	—·7	91	23	73·6	+1·1	68	30	0·00	0·00	0·00	—	0	0·0	8·2	+2·2	0	0	5	0	0
Turbat	105·0	—	113	21	68·2	—	60	22	0·00	—	0·00	—	0	—	5·7	—	0	0	0	0	0
Panjgur	94·3	—1·6	100	4 days	62·8	—2·2	52	29	0·00	—0·04	0·00	—	0	—0·2	3·8	+0·4	0	0	0	0	0

(R) Register not received. (x) Data not available.

TABLE III—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF SEPTEMBER, 1953.

Sub-Division and Station.	Maximum Temperature of the Air °F				Minimum Temperature of the Air °F				PRECIPITATION (Inches).						Wind Velocity (Knots).		Weather Number of Days.					
	Mean.	Departure from normal.	Highest.	Date.	Mean.	Departure from normal.	Lowest.	Date.	Total of the month.	Departure from normal.	Heaviest fall in 24 hours.	Date.	Days with 0.10" or more.	Departure from normal.	Mean.	Departure from normal.	Thunder heard.	Hail.	Visibility Code Figure 93 or Less. Fog.	Haze (dust)	Dust Storm.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	
SIND (Upper).																						
Reti	102·3	—	106	7	78·0	—	69	30	0·00	—	0·00	—	0	—	6·7	—	0	0	0	0	0	
Jacobabad	99·7	−2·6	105	5	80·4	+3·4	78	7 days	0·00	−0·17	0·00	—	0	−0·3	6·7	+2·2	0	0	0	0	0	
Sukkur	101·6	+1·2	106	5	78·5	−0·2	76	5 days	0·00	−0·02	0·00	—	0	−0·1	2·7	−0·8	0	0	0	0	0	
Pad Idan	—	—	—	—	76·0	—	74	7 days	0·00	—	0·00	—	0	—	5·2	—	0	0	0	0	0	
SIND (Lower).																						
Umarkot	97·2	—	100	5,24,25	74·4	—	71	29,30	0·00	—	0·00	—	0	—	5·8	—	0	0	0	0	0	
Chhor	94·3	—	99	5	75·5	—	72	29	0·00	—	0·00	—	0	—	x	—	0	0	0	0	0	
Hyderabad	98·1	+0·8	102	3,5,20	77·4	+1·0	74	29,30	0·00	−0·63	0·00	—	0	−0·8	7·9	+0·6	0	0	0	0	0	
Karachi (Airport)	88·9	—	92	4,24	77·8	—	75	30	0·00	—	0·00	—	0	—	8·8	—	0	0	0	0	0	
Karachi (Manora)	86·3	+0·7	88	4 days	78·4	+1·7	76	29	0·00	−0·52	0·00	—	0	−0·5	7·3	−1·4	0	0	0	0	0	
Badin	93·1	−1·0	98	6	(b) 75·1	−2·1	73	4 days	0·00	−0·89	0·00	—	0	−0·9	5·6	—	0	0	0	0	0	
HILL STATIONS EXCLUDING KASHMIR & BALUCHISTAN.																						
Murree	70·3	−2·0	74	5 days	55·9	+1·1	50	15,17	7·84	+2·42	2·59	15	9	+1·8	5·1	+1·8	4	0	3	0	0	
Chorat	84·2	+0·2	93	3	65·8	−0·3	60	18	1·36	−0·71	1·10	6	2	−0·9	x	—	1	0	0	0	0	
Drosh	88·6	+0·6	96	5	66·0	+1·6	59	24	3·79	+3·10	3·75	24	1	−0·9	4·3	+1·1	9	0	0	0	0	
Parachinar	83·2	+2·0	86	5	58·8	+0·2	53	29	1·76	−0·33	0·70	25	4	−1·0	2·8	+0·7	4	0	0	0	0	
Wana	88·5	−1·1	97	5	57·5	−3·7	45	17	0·28	−0·21	0·24	2	1	−0·4	2·5	—	0	0	0	0	0	
AFGHANISTAN.																						
Jalalabad	96·1	—	101	22	69·9	—	63	29,30	0·00	—	0·00	—	0	—	2·7	—	0	0	0	0	0	
Kabul	87·3	+2·8	92	5,14	52·6	+1·2	47	18	0·00	−0·04	0·00	—	0	−0·2	2·8	+1·2	1	0	0	0	0	
Kandahar	93·0	—	99	17	53·9	—	46	29,30	0·00	—	0·00	—	0	—	0·8	—	0	0	0	0	0	
IRAN.																						
Josh	93·5	−0·1	98	23	80·4	−0·4	61	8	0·00	0·00	0·00	—	0	0·0	9·2	+2·1	0	0	0	0	0	
ARABIA.																						
Muscat	89·2	−2·5	98	17,22	81·5	−1·1	78	1,4,30	0·00	0·00	0·00	—	0	0·0	3·0	+0·2	0	0	0	0	0	
Kuwait	(F) 104·8	—	118	9	(O) 80·5	—	70	30	0·00	—	0·00	—	0	—	4·7	—	0	0	0	0	0	

(x) Data not available. (F) Mean of 25 days. (O) Mean of 15 days. (b) Mean of 29 days. (c) Mean of 28 days.

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PAKISTAN WEATHER REVIEW, 1953

MONTHLY WEATHER REPORT

OCTOBER

(PUBLISHED BY THE AUTHORITY OF THE GOVERNMENT OF PAKISTAN)

CHIEF FEATURES:

(1) Marked spell of rain with thunderstorm activity over the North West Frontier Province and the north Punjab hills on the 14th and the 15th.

(2) Heavy rainfall activity over East Pakistan on the first 3 days of the month and again between the 25th and the 27th.

West Pakistan :

A western disturbance moving across the extreme north of West Pakistan was responsible for a marked spell of rain with thunderstorm activity over the North-West Frontier Province and the hills of the north Punjab on the 14th and the 15th.

Seven other western disturbances affected the northern parts of Wes Pakistan during the rest of the month causing light rain or thundershowers over the North-West Frontier Province and the north of Punjab.

Some of the noteworthy amounts of rainfall recorded during the month were—Drosh ½″ on the 2nd, Rawalpindi 1″ on the 4th and ½″ on the 6th, Chakdara 1″ on the 13th; Murree 3/4″ and Rawalpindi and Parachinar ½″ each on the 14th and Murree 1″ on the 15th

The mean actual rainfall during the month was in large excess over lower Sind and in moderate excess over the north Punjab; normal over the upper North-West Frontier Province and in large defect elsewhere over West Pakistan. Averaged over the plains of West Pakistan, it was normal.

The mean maximum and minimum temperatures were below normal in north Baluchistan and normal elsewhere over the region. The mean relative humidity was in excess over upper Sind and normal elsewhere over West Pakistan outside south Baluchistan where it was in defect. Skies were normally clouded in the upper North-West Frontier Province and less clouded than usual elsewhere.

East Pakistan:

The shallow depression which lay over east U.P. towards the end of the previous month weakened and moved away eastwards across sub-Himalayan Bengal as a low pressure wave. It was responsible for a spell of moderate rain with a few heavy fall in the northern parts of East Pakitan during the first three days of the month.

Light to moderate rainfall was also reported from East Pakistan between the 6th and the 8th in association with the eastward passage of a low across the extreme north of the region.

A depression in the central Bay of Bengal on the 26th weakened into a low off Orissa-circas coast on the 28th. It caused spell wet weather over East Pakistan with a few heavy falls in the eastern subdivision during the above period. During the rest of the month weather remained mainly dry over East Pakistan.

Chief amounts of rainfall recorded during the month were:—Dinajpur 4″, Rangpur 3″ and Khulna 1″ on the 1st; Mymensingh, Bogra and Rangpur 3″ each and Jessore 1″ on the 2nd : Khulna 5″, Brahmanbaria and Chittagong 4″ each on the 3rd'; Comilla and Dinajpur 1½″ each on the 4th; Comilla 1½″ and Faridpur 1″ on the 5th; Brahmanbaria 1½″, Mymensingh 1″ on the 6th; Srimangal 1½″ and Mymensingh 1″ on the 7th; Chittagong 5,″ Noakhali 4″ and Barisal 1″ on the 25th; Noakhali and Srimangal 3″ each, Comilla 2″ on the 26th; Barial 1½″ and Noakhali 1″ on the 27th.

The mean actual rainfall during the month was normal in the eastern sub-divlion and in moderate defect elsewhere over East Pakistan. Averaged over the region as a whole, it was normal.

The mean maximum and minimum temperatures were normal and mean relative humidity was also normal over the region out side the northern sub-division where it was in defect. Skies were more clouded than usual in the deltaic sub-division and normally clouded over the rest of East Pakistan.

Table I contains the divisional and sub-divisional means of rainfall, temperatures, relative, humidity and cloud amount for the 5 chief divisions, and 12 Sub-divisions of Pakistan. These means are based on the observations at the stations whose monthly means are given in the subsequent tables.

TABLE I.—DIVISIONAL AND SUB-DIVISIONAL MEANS FOR OCTOBER 1953

Division	PRECIPITATION				DEPARTURE FROM NORMAL OF				
	Actual	Normal	Departure from normal	Percentage departure from normal	Maximum temperature	Minimum temperature	03 hrs. G.M.T.		
							Vapour pressure	Relative humidity	Cloud
1	2	3	4	5	6	7	8	9	10
	"	"	"		°	°	mb.	%	
East Pakistan	4.59	5.63	—1.04	—18	+0.6	+0.7	0.0	—1	+0.3
Mean of East Pakistan	4.59	5.63	—1.04	—18	+0.6	+0.7	0.0	—1	+0.3
(1) Punjab	0.23	0.19	+0.04	+21	+0.2	+1.4	—0.1	+2	—0.3
(2) N.-W.F.P.	0.07	0.13	—0.06	—46	—0.9	+0.8	—0.1	0	—0.3
(3) Baluchistan	0.00	0.06	—0.06	—100	—0.8	—2.3	—1.1	—4	—0.8
(4) Sind	0.05	0.02	+0.03	+150	+0.8	0.0	+0.6	+6	—0.6
Mean of West Pakistan excluding Baluchistan	0.14	0.12	+0.02	+17	+0.2	+0.8	+0.1	+3	—0.4
East Pakistan (North)	3.16	4.76	—1.60	—34	+0.7	+0.4	—1.2	—10	—0.2
East Pakistan (East)	6.76	6.76	0.00	0	+0.3	+1.0	+0.4	0	+0.1
East Pakistan (Deltaic)	2.85	4.87	—2.02	—41	+1.0	+0.3	—0.1	+1	+0.8
Kashmir(*)	..	..	..	..	..	..	..	..	..
North Punjab	0.41	0.29	+0.12	+42	0.0	+1.7	—0.2	0	—0.3
South Punjab	0.00	0.06	—0.06	—100	+0.4	+0.9	—0.1	+5	—0.2
N.-W.F.P. (Upper)	0.21	0.23	—0.02	—9	—1.5	+0.4	+0.5	—1	0.0
N.-W.F.P. (Lower)	0.00	0.07	—0.07	—100	—0.5	+1.1	—0.4	+1	—0.4
Baluchistan (North)	0.00	0.09	—0.09	—100	—2.0	—3.0	—0.1	+1	—0.5
Baluchistan (South)	0.00	0.01	—0.01	—100	+0.7	—1.2	—2.5	—11	—1.2
Sind (Upper)	0.00	0.02	—0.02	—100	+0.3	+0.6	+0.4	+8	—0.3
Sind (Lower)	0.09	0.03	+0.06	+200	+1.2	—0.3	+0.7	+5	—0.8

* Data incomplete.

SUB-DIVISION AND STATION	Hours of observation.	Height of bar cistern above mean sea level.	Mean Pressure: Station level reduced to standard temperature and gravity.	Mean Pressure: Departure from normal.	Mean Pressure: Reduced to standard temperature and M.S.L. or nearest Gp.m. level.	MEAN TEMPERATURE OF THE AIR AND HUMIDITY: Dry bulb.	Wet bulb.	Dew point.	Vapour pressure.	Departure from normal.	Relative humidity.	Departure from normal.	Total Cloud Amount: Mean amount.	Departure from normal.	Wind Direction Number of Observations From:— N	NE	E	SE	S	SW	W	NW	Calm.
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	GMT	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas										
EAST PAKISTAN (NORTH)																							
Pabna	0300					85.9	77.1	73.0	27.6	—1.8	65	—13											
Sirajganj	0000	49	1007.9		1009.6	74.7	73.7	73.1	28.2		95		2.4		0	1	0	4	1	1	0	6	18
	0300		1009.7		1011.4	81.6	76.2	73.7	28.7		77		2.8		2	1	0	4	3	1	0	10	10
	1200		1006.2		1007.9	79.7	76.3	74.7	29.6		85		1.8		1	1	0	4	1	0	0	0	24
Bogra	0000	65(x)	1007.8		1010.1	74.5	72.9	72.0	27.5		93		2.9		0	0	0	0	1	0	0	0	30
	0300	63	1009.6	+0.1	x	x	x	x	x		x		2.9	+0.3	4	10	5	1	0	5	2	2	2
	1200		1005.9		x	x	x	x	x		x		2.5		3	0	3	2	1	4	7	4	7
Dinajpur	0000	123	1007.6		1011.9	72.5	71.3	70.7	26.4		95		1.6		0	1	0	0	0	0	0	0	30
	0300		1008.9	+1.4	1013.1	81.0	75.2	72.2	26.9	—0.6	74	—7	1.9	—0.7	0	0	2	0	0	0	1	0	28
	1200		1005.8		1010.0	83.3	76.3	72.9	27.5		71		0.7		0	0	0	0	0	0	0	0	31
Rangpur	0300																						
	1200																						
EAST PAKISTAN (EAST)																							
Cox's Bazar	0000	(x) 10	1009.5		1009.9	75.9	74.4	73.7	28.5		93		4.3		5	4	15	0	2	1	0	1	3
	0300	38	1011.1	+0.8	1012.4	83.2	78.0	75.6	30.5	+0.2	79	—1	3.5	+0.1	3	0	0	4	3	1	0	2	18
	1200		1008.0		1009.8	82.6	77.4	75.0	30.5		79		4.0		0	0	0	1	3	0	1	0	26
Chittagong	0000	87																					
	0300		1009.0	+0.2	1012.0	82.0	77.1	74.8	29.4	—0.2	79	—4	4.0	+0.4	5	6	3	1	2	0	0	1	13
	1200		1005.7		1008.7	81.1	76.5	74.3	29.1		80		3.8		6	0	1	2	4	3	4	8	3
Noakhali (Maijdee)	0000	25	1010.3		1011.2	76.4	75.2	74.4	29.2		95		x		0	0	0	0	0	0	0	0	31
	0300		1011.1	+0.2	1012.0	81.7	77.3	75.2	30.2	—0.4	81	—2	x		0	0	0	2	0	0	0	0	29
	1200		1004.6		1005.5	82.4	77.5	75.2	29.4		79		x		0	0	0	0	0	0	0	0	31
Brahmanbaria	0000	32	1009.4		1010.5	76.7	75.4	74.9	29.5		93		3.3		1	0	1	2	3	1	0	0	23
	0300		1010.8		1011.9	83.7	78.0	75.4	30.8	+1.6	77	+1	2.9		2	4	6	1	7	2	0	2	7
	1200		1007.3		1008.4	83.2	77.5	74.9	29.7		77		2.6		0	1	1	2	1	0	0	0	26
Comilla	0000	29	1010.1		1011.1	75.1	74.1	73.7	28.2		95		3.9		0	0	1	1	3	0	0	0	26
	0300		1010.6	—0.2	1011.7	81.2	76.9	74.7	29.1	—0.9	80	+4	3.0	+0.2	2	0	1	2	3	0	0	0	23
	1200		1007.5		1008.5	82.3	77.2	74.8	29.4		79		3.5		2	0	0	1	4	0	0	0	24
Narayanganj	0000	26	1010.2		1011.1	76.8	75.8	74.3	28.7		91		3.7		0	1	1	0	4	3	0	1	21
	0300		1011.3	+0.4	1012.2	83.3	76.5	73.3	27.5	—1.6	71	—6	3.2	—0.2	11	4	6	2	2	4	1	1	0
	1200		1007.9		1008.7	82.3	76.9	74.6	28.7		77		3.4		1	0	3	0	3	2	2	0	20
Srimangal	0000	69	1008.2		1010.6	70.8	70.1	69.2	25.3		97		3.4		0	0	2	1	0	0	0	0	28
	0300		1009.6	—0.3	1012.0	80.0	76.7	75.1	29.6	+1.2	85	+1	3.7	+0.5	0	0	0	6	5	1	0	0	19
	1200		1006.4		1008.8	78.8	76.8	75.9	30.8		91		2.9		0	0	1	1	1	0	0	0	28
Mymensingh	0000	62	1008.4		1010.6	76.7	75.6	75.2	30.2		95		2.6		0	0	4	0	0	0	0	0	27
	0300		1010.0	0	1012.2	82.2	79.3	78.0	32.5	+3.7	87	+6	3.1	—0.4	0	0	7	0	0	0	0	0	24
	1200		1006.6		1008.8	87.6	78.8	77.2	32.0		83		2.1		0	0	1	0	0	0	0	0	30

(x) Observations at 0000 hrs. were taken at adistant site by P.B.O. staff.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF OCTOBER 1953

SUB-DIVISION AND STATION	Hours of observation	Height of barometer cistern above mean sea level	Mean Pressure: Station level reduced to standard temperature and gravity	Mean Pressure: Departure from normal	Mean Pressure: Reduced to standard temperature and M.S.L. or nearest Gpm level.	Mean Temperature of the Air and Humidity: Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Total Cloud Amount: Mean amount	Total Cloud Amount: Departure from normal	Wind Directions Number of Observations From :— N	NE	E	SE	S	SW	W	NW	Calm
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	Oktas										
EAST PAKISTAN (DELTAIC)																							
Faridpur	0000		1008.9		1010.5	75.1	74.1	73.5	28.2		95		3.7		2	0	0	1	2	0	0	0	26
	0300	46	1010.7	+0.9	1012.3	81.9	76.6	73.9	28.7	—0.5	77	+1	4.2	+1.8	13	4	0	1	5	2	0	1	5
	1200		1007.2		1008.8	82.3	76.4	73.5	27.9		75		3.9		2	1	0	0	2	0	0	0	26
Barisal																							
... ...	0000		1009.8		1010.2	76.7	75.1	74.5	29.5		93		2.5		4	1	4	1	3	0	2	1	15
	0300	11	1011.3	+0.3	1011.7	83.6	77.2	74.2	29.3	—0.9	73	—6	2.3	—0.7	10	4	5	2	4	0	2	2	2
	1200		1007.9		1008.3	84.5	77.5	74.2	29.6		72		3.3		2	4	6	3	5	0	1	7	3
Khulna	0000		1010.0		1010.6	86.0	74.7	73.9	28.5		93		3.4		1	2	1	1	3	4	0	3	16
	0300	16	1011.8	+0.6	1012.4	82.4	77.2	75.1	29.4	+0.9	79	+5	3.5	+0.1	3	12	1	0	2	4	1	2	6
	1200		1008.3		1008.9	82.2	76.5	73.9	28.7		77		4.1		1	1	1	2	3	1	1	4	17
Jessore	0000		1009.5		1010.4	73.9	72.9	72.3	27.3		95		3.7		2	0	0	0	0	0	0	0	29
	0300	26	1011.1	+0.3	1012.0	81.0	76.5	74.9	29.1	+0.1	80	+2	4.0	+1.2	6	10	1	0	2	4	0	2	6
	1200		1007.5		1008.4	82.9	76.8	73.6	29.0		75		4.3		0	0	0	1	0	1	0	0	29
Satkhira	0000		1009.4		1010.0	75.4	74.3	73.6	28.2		95		4.4		1	2	0	0	0	6	0	0	7
	0300	16	1011.1	0.0	1011.7	81.5	76.8	74.3	29.1	—0.2	80	+2	4.7	+1.8	5	7	0	1	1	7	0	4	6
	1200		1007.4		1008.0	83.7	77.2	74.0	29.3		73		5.3		1	1	0	0	1	2	0	0	26
KASHMIR																							
Srinagar (X)	0000	5205																					
	0300																						
	1200																						
Gulmarg (X)	0000	8709																					
	0300																						
	1200																						
Dras (X)	0000	10059																					
	0300																						
	1200																						
Leh (X)	0000	11529																					
	0300																						
	1200																						
Skardu (X)	0000	7505																					
	0300																						
	1200																						
Gilgit (X)	0000	4890																					
	0300																						
	1200																						
Minger	0000	10190	700.2		709.6	31.1	26.8	19.5	3.6		62		2.4		0	0	0	0	0	0	1	0	30
	0300		700.1	—	709.5	30.7	26.4	19.3	3.6	—	61	—	2.8	—	0	0	0	0	0	0	1	0	30
	1200		698.0		707.0	46.2	34.4	15.6	3.1		29		3.2		0	0	9	0	0	0	2	0	29

(x) Data not available

SUB-DIVISION AND STATION	Hours of observation	Height of bar cistern above mean sea level	MEAN PRESSURE			MEAN TEMPERATURE OF THE AIR AND HUMIDITY							TOTAL CLOUD AMOUNT		WIND DIRECTIONS NUMBER OF OBSERVATIONS FROM :—								
			Station level reduced to standard temperature and gravity	Departure from normal	Reduced to standard temperature and M.S.L. or nearest Gpm. level.	Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Mean amount	Departure from normal	N	NE	E	SE	S	SW	W	NW	Calm.
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
KASHMIR—contd.																							
Jammu (X)	0000																						
	0300																						
	1200																						
Kargil (X)	0000																						
	0300																						
	1200																						
NORTH PUNJAB																							
Lahore	0000	702	985.5		1010.3	64.4	59.9	56.3	15.6		75		0.1		0	4	0	4	0	0	0	0	23
	0300		986.9	+0.1	1011.4	72.3	63.0	56.0	15.5	—0.4	56	+1	0.4	—0.2	1	1	2	7	1	1	1	1	16
	1200		984 8		1008.5	88.3	70.0	58 0	16 8		36		0.0		0	0	1	3	0	3	0	2	22
Sialkot	0000	830	980.9		1010.1	68.0	60.3	55.7	14.4		62		0.5		0	22	2	1	0	0	0	0	6
	0300		981.3	—1.6	1010.1	72.6	61.6	53.0	13.8	—2.0	51	—11	0.7	+0.1	0	16	1	0	0	0	0	2	12
	1200		980.0		1008 0	85.9	68.3	54.8	15.7		37		1.2		0	3	1	4	2	0	2	5	14
Jhelum	0000	765	983.7		1010.9	62.7	56.9	52.1	13.2		69		0.4		0	0	0	1	0	0	0	4	26
	0300		985.2	—	1012.1	69.4	59.8	52.0	13.2	—	55	—	0.6	—	1	0	1	1	1	1	1	3	22
	1200		982.4		1008.1	86.6	66.1	49 9	12.7		29		0.8		0	1	1	4	3	2	2	5	13
Rawalpindi	0000	1676	953.2		896.4	59.9	56.5	54.2	14.2		80		x		0	0	0	0	1	0	0	0	30
	0300		954.4	—0.3	898.3	67.5	58.6	51.7	13.2	+0.4	57	+5	0.5	—0.4	0	0	0	0	0	0	3	0	28
	1200		952.2		897.6	79.4	64.0	53.5	14.1		40		1.1		0	1	0	1	1	0	4	0	24
Khushab	0000	616	988.5		1010.3	64.8	58.6	53.0	14.1		67		0.0		3	11	5	1	2	1	2	1	5
	0300		990.1	—0.1	1011.6	72.7	62.4	54.5	14.6	+1.2	53	+1	0.1	—0.5	2	9	9	1	0	0	1	2	7
	1200		987.4		1008.2	89 6	67.6	50.9	13.2		27		0.2		1	3	7	9	5	1	2	2	1
Lyallpur	0000	605	988 3		1009.7	64.9	59.4	55.0	14.8		71		0.1		1	3	3	5	3	1	0	0	15
	0300		990.0	—0.2	1011.3	69.5	61.1	54.7	14.6	0.0	59	+4	0.1	—0.6	1	1	1	6	3	1	1	0	17
	1200		987.8		1008.2	88.6	67.9	53.5	13.9		30		0.2		1	0	0	3	3	1	3	1	19
SOUTH PUNJAB																							
Montgomery	0000	558	990 3		1010.1	64.4	60.6	57.7	16.3		78		0.0		2	0	0	2	1	15	0	3	8
	0300		990.9	—0.6	1010.4	70.1	61.4	54.1	14.7	—1.6	59	—1	0.2	—0.2	1	0	0	6	3	4	0	0	17
	1200		989.1		1007.9	90.4	78.9	58.5	17.0		35		0.0		1	1	1	8	1	3	0	1	15
Multan	0300	413	996.5	0.0	1011.0	72.5	64.9	59.8	17.6	+0.4	65	+6	0.2	—0.2	3	2	0	0	4	11	0	3	8
	1200		994.0		1007.9	92.4	74.9	65.6	21.6		41		0.0		0	1	0	0	3	10	1	3	13
Fort Abbas	0000	475	992.4		1009.3	64.5	60.7	57.7	16.0		79		0.0		0	1	1	3	1	11	0	2	12
	0300		993.8	—	1010.2	81.7	69.3	61.5	18.8	—	51	—	0.0	—	0	2	0	4	1	15	1	3	6
	1200		990.9		1006.8	94.5	*	*	*		*		0 0		0	3	0	1	0	23	0	3	1

(X) Data not available. (*) Data rejected

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF OCTOBER 1953

SUB-DIVISION AND STATION	Hours of observation	Height of bar cistern above mean sea level	Mean Pressure: Station level reduced to standard temperature and gravity.	Mean Pressure: Departure from normal	Mean Pressure: Reduced to standard temperature and M.S.L. or nearst Opm level.	Mean Temperature of the Air and Humidity: Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Total Cloud Amount: Mean amount	Departure from normal	Wind Directions Number of Observations From:— N	NB	E	SE	S	SW	W	NW	Calm
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
SOUTH PUNJAB—contd.																							
Bahawalpur	0300	384	997.5	—0.4	1011.0	70.4	62.3	56.0	15.6	—0.9	61	+6	0.1	—0.3	0	0	1	0	1	11	0	0	18
	1200		994.9		1007.8	91.7	71.1	58.3	16.7		33		0.0		1	1	0	0	0	16	1	1	11
Khanpur	0300	297	1001.0	+0.1	1011.5	72.3	63.6	56.5	16.2	+1.8	60	+7	0.2	0.0	3	0	1	0	4	6	3	1	13
	1200		998.2		1008.2	92.4	72.0	60.1	17.6		34		0.0		2	1	0	0	0	3	9	5	11
N.-W.F.P. (Upper)																							
Chakdara	0000	2225	935.3		899.1	60.4	53.2	47.1	10.9		62		0.4		10	7	0	2	0	0	0	12	0
	0300		936.5	—	900.2	61.1	54.2	47.8	11.5	—	63	—	1.4	—	6	5	1	0	0	1	0	14	4
	1200		933.6		898.8	80.2	64.8	53.7	14.7		42		1.2		0	1	1	1	2	6	2	8	30
Peshawar	0000	1175	970.3		10'1.6	63.0	54.9	46.2	11.1		57		1.1		0	0	0	0	5	9	1	0	10
	0300		971.8	—0.2	1012.7	68.3	58.5	49.4	12.4	+0.5	51	—1	1.0	0.0	0	1	0	2	5	1	2	1	19
	1200		969.1		1008.9	82.4	64.3	49.4	12.5		33		1.7		2	12	2	0	0	1	1	0	13
Landikotal	0000	3503	894.3		901.4	56.3	49.8	42.7	9.6		62		0.5		0	2	0	0	0	0	0	2	2
	0300		894.9	—	902.0	62.2	53.1	44.0	10.1	—	53	—	0.7	—	0	2	1	2	0	1	0	3	22
	1200		892.8		899.6	74.9	59.3	46.2	10.9		37		1.0		1	7	0	16	0	5	0	2	0
N.-W.F.P. (Lower)																							
Bannu	0000	1263	965.4		1009.5	64.7	56.7	48.0	12.1		58		0.0		3	1	2	0	1	0	14	8	2
	0300		967.3	—	1011.3	68.5	58.6	48.7	12.4	+0.1	51	0	0.3	—0.3	3	0	1	0	0	1	19	6	1
	1200		965.0		1007.4	85.1	64.6	46.2	11.6		28		0.3		0	3	9	15	3	1	0	0	0
Miranshah (R)	0000	3026																					
	0300																						
	1200																						
D. I. Khan	0000	570	988.9		1009.0	65.5	58.6	52.4	13.7		64		2.0		4	5	0	0	0	0	0	3	19
	0300		991.6	+0.2	1011.7	67.8	60.2	54.1	14.4	—0.9	62	+1	0.0	—0.5	3	5	1	0	0	0	0	2	20
	1200		987.0		1006.2	90.2	70.2	56.9	16.2		33		0.0		2	4	0	6	0	0	0	0	19
HILL STATIONS (excluding Kashmir & Baluchistan)																							
Murree	0000	7113	785.1		801.0	50.4	42.5	32.7	6.4		52		1.5		0	1	6	7	0	0	3	14	0
	0300		786.7	—0.5	802.6	54.2	44.6	33.3	6.6	—0.5	47	+1	1.8	+0.7	1	2	7	5	1	0	8	4	3
	1200		785.9		801.6	58.0	47.8	37.5	7.7		48		2.4		0	1	6	3	2	0	9	9	1
Cherat	0000	4272	869.4		900.7	62.3	50.8	36.0	8.1		41		0.3		1	1	0	5	0	0	1	8	13
	0300		870.5	—1.1	901.7	63.0	50.5	36.4	7.5	—1.4	38	—10	0.4	—0.5	5	3	0	6	3	0	1	9	4
	1200		869.8		900.4	72.0	54.7	37.5	7.7		27		0.5		2	1	0	14	5	0	0	8	1
Drosh	0000	4806	856.6	—0.9	905.0	53.3	45.5	35.4	7.3	—0.4	53	—5	1.3	+0.7	0	0	0	0	0	0	0	0	31
	0300		857.0		905.4	54.0	46.1	36.2	7.5		52		2.1		0	0	0	0	0	0	0	0	31
	1200		853.0		899.6	70.5	52.8	32.8	6.5		24		3.5		0	0	0	0	2	16	1	0	12

(R) Data not received.

SUB-DIVISION AND STATION	Hours of observation.	Height of bar cistern above mean sea level.	MEAN PRESSURE: Station level reduced to standard temperature and gravity.	MEAN PRESSURE: Departure from normal.	MEAN PRESSURE: Reduced to standard temperature and M.S.L. or normal Gpm. level.	MEAN TEMPERATURE OF THE AIR AND HUMIDITY: Dry bulb.	Wet bulb.	Dew point.	Vapour pressure.	Departures from normal.	Relative humidity.	Departure from normal.	TOTAL CLOUD AMOUNT: Mean amount.	Departure from normal.	WIND DIRECTION NUMBER OF OBSERVATIONS FROM :— N	NE	E	SE	S	SW	W	NW	Calm.
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
HILL STATIONS (excluding Kashmir and Baluchistan)—contd.	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	okt as										
Parachinar	0000	5673	828.5		801.0	50.5	43.9	37.3	7.4		60		0.4		23	2	1	0	0	0	0	3	2
	0300		829.2	+0.3	802.0	56.6	46.8	36.1	7.4	+0.4	47	+2	0.2	—0.7	3	2	0	0	0	3	5	0	18
	1200		828.2		801.8	68.3	53.2	38.7	8.5		36		1.3		0	0	10	13	2	2	0	1	3
Wana	0300	4503	859.7	—	897.7	63.7	55.7	48.9	11.9	+5.4	59	+13	0.0	—0.3	1	1	3	2	3	1	0	2	18
	1200		858.4		896.2	65.1	55.6	48.4	11.3		53		0.0		1	2	3	5	0	7	0	1	12
AFGHANISTAN																							
Jalalabad	0300	1950	941.6	—	895.9	65.9	54.2	42.9	9.7	—	44	—	0.4	—	1	0	0	0	0	2	4	0	24
	1200		938.4		894.6	82.7	65.2	52.9	14.1		37		1.4		0	1	7	0	0	0	3	0	20
Kabul	0300	5955	822.7	—	804.2	46.6	37.4	24.7	4.4	—0.3	42	—4	0.6	—0.3	2	1	0	0	4	6	10	8	0
	1200		820.3		802.8	70.5	50.8	29.7	5.6		23		1.5		7	10	5	3	1	0	0	2	3
Kandhar	0300	3462	895.4	—	901.4	46.2	41.2	34.4	6.8	—	63	—	0.0	—	0	0	0	0	0	0	0	0	31
	1200		892.5		898.2	73.8	57.0	41.7	9.1		32		0.2		0	0	0	0	0	7	0	0	24
BALUCHISTAN (NORTH)																							
Fort Sandeman	0300	4614	859.8	—1.3	901.7	60.5	45.0	21.7	4.0	—1.9	22	—27	0.0	—0.6	0	0	0	0	0	1	0	0	30
	1200		858.4		898.7	79.3	53.8	20.0	3.9		11		0.6		0	0	1	0	0	4	6	0	20
Hindubagh	0000	5909	822.4		802.8	51.8	46.3	40.2	8.8		67		0.0		0	0	0	0	0	3	17	10	1
	0300		823.6	—	804.1	55.5	49.1	43.5	9.5	—	64	—	0.0	—	0	0	1	0	0	3	18	4	5
	1200		821.4		802.2	72.7	64.0	59.1	17.3		63		0.5		0	0	1	0	2	20	8	0	0
Loralai	0000	4699	856.3		901.4	52.3	40.9	21.9	4.1		30		0.0		0	0	0	6	3	16	3	0	3
	0300		857.7	—	902.4	57.5	45.6	28.3	5.6	—	35	—	0.1	—	0	0	0	1	1	14	11	1	3
	1200		855.6		898.5	76.4	55.3	31.4	6.5		20		0.5		0	0	0	7	5	8	2	2	7
Sibi	0000	441	993.3		1009.0	66.0	58.4	52.8	13.4		61		0.0[a]		0	0	0	0	0	0	0	2	28[a]
	0300		994.2	—1.0	1009.7	69.3	58.2	46.0	10.5	+0.9	47	+13	0.0[a]	—0.4	0	0	0	0	0	0	1	2	28
	1200		992.1		1006.7	95.1	77.9	67.4	25.0		44		0.0[a]		0	1	0	14	3	4	2	0	6[a]
Quetta	0300	5490	835.5	—0.6	803.4	54.6	47.7	41.2	8.6	+2.5	60	+11	0.0	—0.5	2	0	1	0	1	0	1	1	25
	1200		832.9		802.0	72.1	55.2	40.9	8.8		33		0.2		11	3	0	0	1	2	4	8	2
Quetta (Sarmangli)	0000	5253	844.1		803.5	38.8	33.7	25.5	4.9	—	61		0.0		0	1	3	13	1	0	2	0	10[a]
	0300		844.9	—	805.0	47.1	39.1	28.1	5.3		48		0.0	—	0	1	6	9	0	0	4	2	9
	1200		842.9		804.9	72.1	54.2	37.2	7.8		29		0.0		3	0	1	0	1	2	12	12	0
Chaman	0000	4311	870.8		903.6	55.4	46.8	36.7	7.4		37		0.0		0	0	11	6	2	1	0	0	11
	0300		871.9	+0.4	904.5	60.6	49.6	36.8	7.7	+1.8	43	+10	0.0	—0.6	0	0	1	4	2	3	1	0	20
	1200		869.6		901.1	75.5	59.9	45.1	11.4		37		0.0		0	0	0	0	3	4	19	3	2
Nushki	0000	3416	903.9		908.1	61.6	46.4	25.2	4.8		26		0.0		7	12	5	0	0	0	1	1	5
	0300		905.5	—	909.6	62.8	47.4	26.9	5.0	—	25	—	0.0		7	12	6	1	0	1	1	3	0
	1200		903.6		907.6	82.7	57.5	31.6	6.4		16		0.0		4	1	1	0	0	3	10	12	0

(a) Mean for 30 days.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF OCTOBER 1953

DIVISION AND STATION	Hours of observation.	Height of bar cistern above mean sea level.	Mean Pressure: Station level reduced to standard tempature and gravity.	Mean Pressure: Departure from normal.	Mean Pressure: Reduced to standard temperature and M.S.H. or nearest Gpm. level.	Mean Temperature of the Air and Humidity: Dry bulb.	Wet bulb.	Dew point.	Vapour pressure.	Departure from normal.	Relative humidity.	Departure from normal.	Total Cloud Amount: Mean amount.	Departure from normal.	Wind Direction Number of Observations From :— N	NE	E	SE	S	SW	W	NW	Calm
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
BALUCHISTAN (NORTH)—contd.	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas										
Kalat	0000	6616	801.5		803.1	39.5	31.5	16.9	3.2		39		0.0		1	1	0	0	7	1	0	0	21
	0300		802.0	—0.4	803.5	42.5	33.8	18.5	3.5	—2.4	39	—6	0.0	—0.4	0	1	0	1	12	0	0	0	17
	1200		801.0		802.6	68.5	50.1	29.3	5.7		24		0.0		7	12	0	0	0	1	0	0	11
Dalbandin	0000	2785	918.5		902.5	53.9	42.1	23.9	4.5		31		0.0		2	14	1	1	0	2	1	2	8
	0300		920.7	+1.7	904.1	55.5	42.4	20.2	4.1	—1.7	27	—11	0.0	—0.6	2	8	3	1	0	0	2	0	15
	1200		917.7		902.1	84.2	57.2	25.8	5.1		12		0.0		3	6	8	0	2	4	0	1	7
Nokkundi	0000	2229	936.7		901.8	61.7	47.4	27.0	5.5		29		0.0		15	2	0	0	0	0	0	14	0
	0300		938.6	—	903.9	64.8	49.9	31.5	6.1	—1.9	30	—14	0.0	—0.6	12	3	0	0	0	1	2	10	3
	1200		935.9		902.7	87.1	62.5	39.9	9.4		21		0.1		9	0	4	5	2	1	1	9	0
BALUCHISTAN (South)																							
Lasbela	0000	292	1001.2		1011.5	68.8	61.3	54.0	15.2		63		0.0		0	0	0	0	0	2	0	2	27
	0300		1002.3	+0.6	1012.5	75.5	65.5	57.4	17.0	—1.7	57	—5	0.0	—1.4	2	1	0	0	0	3	1	4	20
	1200		998.2		1008.0	99.2	72.3	53.5	14.7		23		0.2		1	0	0	7	3	13	1	2	4
Ormara	0000	15	1009.6		1010.1	73.0	68.2	64.8	21.2		76		0.0		1	1	3	0	0	0	6	1	13
	0300		1011.3	—	1011.8	74.7	68.3	64.1	20.7	—1.9	70	—9	0.0	—2.0	0	1	4	1	0	0	6	1	18
	1200		1008.3		1008.8	87.9	75.7	68.5	25.1		55		0.0		0	0	1	1	3	3	22	1	0
Pasni	0000	10	1011.0		1011.4	68.8	65.1	62.0	19.5		81		0.3		4	1	0	1	0	0	12	12	1
	0300		1011.8	0.0	1012.2	72.8	65.5	58.5	18.3	—3.4	66	—12	0.6	—1.1	6	0	0	1	0	0	11	10	3
	1200		1008.7		1009.0	87.8	74.2	64.7	22.8		51		0.1		2	0	0	2	4	19	4	0	0
Turbat	0000	510	994.9		1012.5	69.3	57.4	45.5	10.6		43		0.0		1	13	0	7	0	4	0	2	4
	0300		996.5	—	1013.8	76.2	63.6	53.5	14.4	—	47	—	0.0	—	0	14	2	4	0	1	1	3	6
	1200		992.4		1008.9	98.5	75.2	62.2	18.8		30		0.0		2	11	0	0	1	1	10	6	0
Panjgur	0000	3177	906.3		903.0	55.5	47.1	37.5	7.6		51		0.0		9	15	0	2	0	0	0	5	0
	0300		907.5	+1.1	904.1	58.5	45.0	25.0	4.8	—3.0	29	—17	0.0	—0.4	6	20	0	1	0	1	0	3	0
	1200		904.7		900.9	81.9	57.3	29.2	6.1		16		0.0		2	1	0	0	1	4	0	23	0
SIND (Upper)																							
Roti	0000	280	999.4		1009.5	71.9	69.2	67.5	23.4		88		0.0		0	0	0	0	3	2	2	0	24
	0300		1002.1		1011.9	71.3	68.4	67.7	22.5		85		0.0		0	0	0	0	3	4	1	0	23
	1200		998.9		1008.4	95.0	92.3	89.7	50.8		90		0.0		3	0	0	0	2	4	10	8	4
Jacobabad	0000	183	1003.0		1009.6	70.1	63.5	59.3	17.0		68		0.0		1	4	6	8	1	1	2	4	4
	0300		1004.6	+0.1	1011.3	72.7	65.4	60.0	17.7	+1.3	65	+11	0.0	—0.3	3	2	7	4	1	0	1	5	8
	1200		1001.9		1008.2	94.6	75.7	65.0	22.4		38		0.2		2	0	0	7	10	3	5	2	2
Sukkur	0300	221	1003.3	—0.1	1011.1	72.0	64.3	60.5	17.1	—0.5	64	+5	0.0	—0.2	0	2	6	11	2	4	2	1	5
	1200		1000.7		1008.1	92.3	69.9	56.5	14.4		29		0.0		6	6	0	1	3	7	2	1	5
Padidan	0000	153	1004.1		1009.5	65.3	61.4	57.5	16.6		78		0.0		1	2	0	5	3	1	8	2	9
	0300		1005.9	—	1011.2	71.2	64.1	58.2	17.2	—	65	—	0.3	—	3	2	0	9	3	0	1	1	12
	1200		1003.2		1008.3	95.5	71.9	55.4	16.2		28		0.0		4	1	0	7	0	4	7	3	5

(R) Register not received.

(*) Data rejected.

SUB-DIVISION AND STATION	Hours of observation.	Height of bar cistern above mean sea level.	Mean Pressure			Mean Temperature of the Air and Humidity							Total Cloud Amount		Wind Direction Number of Observations From :—								
			Station level reduced to standard temperature and gravity.	Departure from normal.	Reduced to standard temperature and M.S.L. or nearest Gpm level.	Dry bulb.	Wet bulb.	Dew point.	Vapour pressure.	Departure from normal.	Relative humidity.	Departure from normal.	Mean amount.	Departure from normal.	N	NE	E	SE	S	SW	W	NW	Calm.
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
SIND—(Lower)	G.M.T.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%		oktas										
Umarkot	0000	55	1008.3		1010.3	69.1	65.4	61.2	19.7		82		0.0		0	1	1	0	2	3	0	0	24
	0300		1009.6		1011.5	77.1	69.7	65.6	21.2		67		0.1		0	1	3	0	1	5	0	0	21
	1200		1006.1		1007.4	94.2	78.2	70.5	25.7	—	47	—	0.0	—	0	0	0	0	1	6	3	6	15
Chhor	0000	19	1008.9		1009.6	65.3	63.5	58.7	18.4		87		0.0		0	0	0	0	0	3	0	0	28
	0300		1010.9	—	1011.6	73.1	65.2	58.7	18.2		63		0.9		0	4	1	0	1	7	1	0	17
	1200		1007.3		1008.0	93.7	71.9	58.3	16.0		29		0.3		0	0	1	0	1	13	0	1	15
Hyderabad	0000	96	1006.3		1090 6	70.8	65.4	61 3	18.8		73		0.0		1	3	0	1	1	11	0	0	14
	0300		1007.5	—0.3	1010.9	72.5	65.8	60.8	18.9	+0.4	69	+8	0.0	—0.5	1	0	1	1	0	13	0	0	15
	1200		1005.0		1008.4	94.5	71.6	56.2	15.9		29		0.0		0	3	0	2	0	13	1	1	11
Karachi (Airport)	0000	73	1007.4		1010.0	70.5	64.1	58.1	17.2		68		0.3		3	0	0	0	0	1	3	1	23
	0300		1009.1		1011.7	75.1	66.0	58.1	17.8		60		0.8		2	1	0	0	0	0	3	1	24
	1200		1006.4		1008.8	89.8	69.6	53.5	16.0		33		0.2		0	0	0	0	3	20	6	1	1
Karachi (Manora)	0000	13	1009.7		1010.2	76.1	71.6	68.8	21.3		79		0.3		4	2	0	0	0	0	2	0	23
	0300		1011.0	—0.3	1011.5	77.7	72.8	70.1	25.2	+0.8	77	—3	0.5	—0.9	1	2	0	0	0	1	2	2	23
	1200		1008.5		1008.9	85.9	77.8	73.9	29.1		68		0.3		0	0	0	0	0	11	20	0	0
'adin	0000	31	1009.3		1010.0	70.6	68.0	65.1	22.3		97		0.0		0	0	0	0	0	6	0	0	25
	0300		1010.6	+0.4	1011.5	73.4	68.9	66.0	22.2	+0.9	79	+11	0.0	—1.0	0	0	0	0	0	7	0	0	24
	1200		1007.4		1008.4	94.7	77.0	68.3	24.2		43		0.0		1	0	0	0	0	9	0	0	21
IRAN																							
Jask	0300	13	1011.4		1011.9	78.4	71.5	67.2	23.1		69		0.2	—0.5	3	10	15	0	0	0	1	1	1
	1200		1009.5		1009.9	89.4	77.9	72.3	27.5		57		0.4		0	0	1	1	5	9	15	0	0
ARABIA																							
Muscat	0300	20	1011.5		1011.9	79.6	72.1	68.1	23.5		68		0.0	— 0.6	0	0	8	0	0	1	6	8	8
	1200		1009.8		1010.3	85.0	77.4	74.4	28.7		69		0.0		2	5	9	1	0	0	1	13	0
Kuwait*	0600	16	1013.3		1013.8	82.2	69.7	61.6	19.4		62		0.0		3	1	0	1	3	1	5	13	4
	1200		1010.8		1011.2	87.4	74.1	66.5	22.5		50		0.0		4	2	7	5	0	0 (e)	0	2	6

* Observations recorded at 0600 hrs. G.M.T. instead of 0300 hrs. G.M.T.

(e) Mean for 26 days.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF OCTOBER 1953.

SUB-DIVISION AND STATION	Maximum Temperature of the air °F				Minimum Temperature of the air °F				Precipitation (inches)					Wind Velocity (knots)		Weather Number of Day				
	Mean.	Departure from normal.	Highest.	Date.	Mean.	Departure from normal.	Lowest.	Date.	Total of the month.	Departure from normal.	Heaviest fall in 24 hours.	Date.	Days with 0.10 inch or more.	Departure from normal.	Mean.	Departure from normal.	Thunder heard.	Hail.	Visibility Code Figure 93 or less: Fog.	Haze (dust).	Dust Storm.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
EAST PAKISTAN (NORTH)																					
Pabna	90.0	—0.3	95	6	73.6	+1.2	68	20	2.17	—2.22	1.87	14	3	—2.5							
Rajshahi									0.00	—3.77	0.00	0	0	—4.5							
Sirajganj	87.7		92	1,4,5	74.1		68	31	0.78	—3.93	0.22	14	4	—1.2	2.1		2				
Bogra	x	x	x	x	x	x	x	x	3.61	—1.52	3.13	2	3	—2.5	2.0	+0.9	3				
Dinajpur	89.1	+1.7	94	6	71.7	—0.4	65	22,23,31	6.12	+1.37	4.32	1	3	—1.5	1.3	+0.1	1		1		
Rangpur	x	x	x	x	x	x	x	x	6.30	+0.48	3.40	1	2	—2.5							
EAST PAKISTAN (EAST)																					
Cox's Bazar	89.6	+2.5	93	4 days	75.0	+1.4	68	31	3.61	—3.55	1.67	25	6	—1.5	1.7	0.0	13				
Chittagong	87.5	+0.6	91	7 days	74.1	+0.7	70	30	10.72	+3.63	5.01	25	6	—1.0	2.5	—0.6	4				
Noakhali (Maijdee)	87.2	+0.6	90	5	77.3	+1.7	70	30	9.27	+1.14	3.70	25	7	—0.7	x	x					
Brahmanbaria	88.5	—0.7	92	19,24	75.7	+1.5	68	27	7.87	+1.53	3.74	3	7	+0.1	2.3		1				
Comilla	88.1	—0.1	90	11 days	74.5	+1.1	68	26,27,31	5.76	—0.96	2.42	26	4	—2.6	1.3	—0.3					
Narayanganj	89.7	+1.5	92	1,16	75.1	—0.2	70	30	1.41	—3.86	0.50	3,5	5	—1.0	1.9	+0.4					
Sylhet	87.4	—1.6	92	24	70.6	+0.4	64	30	7.22	+0.16	2.81	26	6	—2.1	0.3	—1.4	3				
Mymensingh	86.6	—0.5	90	1,12	75.3	+1.4	72	4 days	8.24	+1.92	2.66	2	7	+0.9	1.8	+0.9	2				
EAST PAKISTAN (DELTAIC)																					
Faridpur	88.5	+1.2	93	1	74.3	+0.2	68	30	2.16	—2.69	0.94	5	3	—2.6	x	x	3				
Barisal	88.7	+1.1	93	5	75.7	+0.8	70	21	3.58	—2.56	1.45	27	4	—2.9	x	x					
Khulna	89.6	+1.5	95	1	75.6	+0.6	70	20	7.04	+2.78	4.53	3	5	—1.2	1.7	0.0					
Jessore	89.5	+0.5	94	1	73.3	—0.2	66	20,31	0.47	—4.12	0.47	7	1	—4.8	1.2	0.0					
Satkhira	89.0	+0.7	92	4,5	74.4	+0.3	68	20	0.99	—3.51	0.55	6	3	—2.7	1.3	+0.3					

(x) Data not available.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF OCTOBER 1953.

SUB-DIVISION AND STATION	Maximum Temperature of the Air °F				Minimum Temperature of the Air °F				PRECIPITATION (INCHES)						Wind Velocity (knots)		WEATHER Number of Day				
	Mean.	Departure from normal.	Highest.	Date.	Mean.	Departure from normal.	Lowest.	Date.	Total of the month.	Departure from normal.	Heaviest fall in 24 hours.	Date.	Days with 0.10 inch or more.	Departure from normal.	Mean.	Departure from normal.	Thunder heard.	Hail.	Visibility Code Figure 93 or less: Fog.	Visibility Code Figure 93 or less: Haze (dust)	Visibility Code Figure 93 or less: Dust Storms.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
KASHMIR																					
Srinagar (x)																					
Gulmarg (x)																					
Dras (x)																					
Leh (x)																					
Skardu (x)																					
Gilgit (x)																					
Misgar	52.5	—	68	1	*	—	*	—	0.36	—	0.12	3,13	3	—	3.6	—	0	0	0	0	0
Jammu (x)																					
Kargil (x)																					
NORTH PUNJAB																					
Lahore	93.9	—0.1	102	2	63.0	+3.2	52	23	0.00	—0.24	0.00	—	0	—0.5	1.5 (d)	+0.5	0	0	0	0	0
Sialkot	93.1	+1.7	99	1,2	65.8	+3.7	55	31	0.00	—0.34	0.00	—	0	—0.8	1.9	+0.8	0	0	0	0	1
Jhelum	92.1	—	99	1,2	60.9	—	53	31	0.08	—	0.06	6	0	—	1.6	—	2	0	0	0	3
Rawalpindi	88.6	0.0	98	1	57 4	+0.4	49	31	2.04	+1.44	0.95	4	3	+1.6	1.0	—0.2	4	0	0	0	0
Khushab	92.6	—1.0	100	1	63.5	+0.1	55	31	0.00	—0.15	0.00	—	0	—0.4	3.1	+0.2	0	0	0	0	0
Lyallpur	92.7	—0.5	100	1	63.6	+1.2	50	31	0.00	—0.12	0.00	—	0	—0.4	1.9	+0.5	1	0	0	0	0
SOUTH PUNJAB																					
Montgomery	94.2	—0.8	100	1,2	63.4	—0.1	55	31	0.00	—0.08	0.00	—	0	—0.3	1.6	—0.7	1	0	0	0	0
Multan	95.3	+0.9	105	1	65.5	+1.8	54	31	0.00	—0.08	0.00	—	0	—0.2	2.1	+1.0	0	0	0	0	0
Fort Abbas	98.1	—	105	1	62.3	—	49	31	0.00	—	0.00	—	0	—	4.0	—	0	0	0	0	0
Bahawalpur	96.3	+0.7	103	1,2	64.0	+1.5	53	31	0.00	—0.06	0.00	—	0	—0.2	2.6	+0.6	0	0	0	0	0
Khanpur	97.7	+0.8	103	1,2	64.5	+0.6	54	31	0.00	—0.02	0.00	—	0	—0.1	3.1	—0.5	0	0	0	0	0
N.-W. F. P. (Upper)																					
Cherat	85.2	—	95	1	55.6	—	48	31	1.38	—	1.05	13	2	—	4.3	—	1	0	0	0	0
Peshawar	86.3	—1.5	95	1	60.9	+0.4	55	31	0.21	—0.02	0.21	14	1	+0.4	2.2	+1.1	3	0	0	0	0
Landikotal	80.0	—	92	1	53.9	—	45	30	0.32	—	0.31	14	1	—	2.5	—	2	0	0	0	0
N.-W.F.P. (Lower)																					
Bannu	89.0	—1.6	97	1,2	62.8	+0.9	55	31	0.00	—0.04	0.00	—	0	—0.1	2.6	—	0	0	0	0	0
Miranshah (R)																					
D. I. Khan	93.8	+0.5	103	2	62.9	+1.2	48	31	0.00	—0.11	0.00	—	0	—0.3	1.8	+1.8	0	0	0	0	1
HILL STATIONS (excluding Kashmir & Baluchistan)																					
Murree	65.2	—2.4	74	2	48.5	—0.8	41	15	2.05	+0.49	1.00	15	3	+0 3	6.5	+2.9	6	0	0	0	0
Cherat	77.7	+1.1	87	1,14	58.6	+0.2	51	14	0.20	—0.36	0.20	14	1	—0.2	5.6	+0.5	0	0	0	0	0
Drosh	75.7	—1.0	90	1	52.1	—1.1	44	30,31	1.51	+0.24	0.38	2	5	+1.9	2.5	+0.5	8	0	0	0	0
Parachinar	74.2	0.0	85	1	48 7	0.0	40	28	0.89	—0 06	0.82	14	1	—1.5	3.5	+1.3	1	0	0	0	0
Wana	82.7	+2.7	91	1,2	45.0	—2.0	35	31	0.00	—0.12	0.00	—	0	—0.3	2.6	—	0	0	0	0	0

(x) Data not available.
(R) Register not received.

(d) Mean for 27 days.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF OCTOBER 1953

SUB-DIVISION AND STATION	Maximum Temperature of the Air °F				Minimum Temperature of the Air °F				Precipitation (inches)						Wind Velocity (knots)		Weather Number of Days				
	Mean.	Departure from normal.	Highest.	Date.	Mean.	Departure from normal.	Lowest.	Date.	Total of the month.	Departure from normal.	Heaviest fall in 24 hours.	Date.	Days with 0.10 inch or more.	Departure from normal.	Mean.	Departure from normal.	Thunder heard.	Hail.	Visibility Code Figure 93 or Less: Fog.	Haze (dust)	Dust Storm.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
AFGHANISTAN																					
Jalalabad	87.0	—	99	1	56.7	—	47	31	0.00	—	0.00	—	0	—	2.5	—	0	0	0	0	0
Kabul	74.6	+1.3	86	1	40.0	—1.4	27	28	0.01	—0.39	0.01	14	0	—0.8	2.5	+0.7	1	0	0	0	0
Kandhar	82.6	—	92	11,12	42.7	—	31	28	0.00	—	0.00	—	0	—	0.5	—	0	0	0	0	0
BALUCHISTAN (North)																					
Fort Sandaman	82.3	—0.3	90	1,2	53.2	+0.3	45	28,29	0.00	—0.10	0.00	—	0	—0.2	x	—	0	0	2	0	0
Hindubagh	77.1	—	87	1	46.9	—	36	21	0.00	—	0.00	—	0	—	7.5	—					
Loralai	80.8	—	90	1	47.0	—	39	30,31	0.00	—0.11	0.00	—	0	—0.3	4.1	—					
Harnai									0.00	—0.23	0.00	—	0	—0.4							
Sibi ...	97.5	—0.1	105	1,2	62.5	—3.0	55	20	0.00	0.00	0.00	—	0	0.0	(c) 1.1	—1.2					
Quetta	75.0	—	83	1,11	37.4	—	29	21	0.00	—	0.00	—	0	—	3.0	+1.5					
Quetta (Samungli)	75.4	—	83	1	34.8	—	27	22	0.00	—	0.00	—	0	—	4.3	—					1
Chaman	79.0	—0.8	89	1	52.6	—0.9	36	28	0.00	—0.16	0.00	—	0	—0.2	0.4	—3.6					
Nushki	83.7	—	93	12	53.8	—	35	28	0.00	—	0.00	—	0	—	x	—					
Kalat	71.1	—4.2	79	1	37.5	—3.5	32	20,21,28	0.00	—0.09	0.00	—	0	—0.2	1.9	—1.9					
Dalbandin	86.4	—2.6	96	12	46.0	—4.9	37	29	0.00	—0.02	0.00	—	0	—0.1	3.5	+0.9				7	2
Nokkundi	89.9	—2.3	99	1	57.7	—2.4	45	28	0.00	0.00	0.00	—	0	0.0	6.3	+1.1					
BALUCHISTAN (South)																					
Lasbella	102.4	+2.7	106	3,4,27	x	—	—	—	0.00	—0.01	0.00	—	0	0.0	1.9	0.0					
Ormora	90.9	+1.7	101	3	70.5	—0.3	62	20	0.00	0.00	0.00	—	0	0.0	7.2	—0.1					
Pasni	92.1	+1.6	100	20,27	67.0	—0.3	61	30,31	0.00	0.00	0.00	—	0	0.0	7.8	+2.7					
Turbat	101.1	—	109	1	67.0	—	56	4	0.00	—	0.00	—	0	—	5.5	—					
Panjgur	84.2	—3.0	92	1	52.4	—3.0	46	29	0.00	—0.01	0.00	—	0	0.1	4.4	+0.8					1
SIND (Upper)																					
Reti	98.1	—	105	1,2	61.3	—	49	31	0.00	—	0.00	—	0	—	4.4						
Jacobabad	96.7	—0.8	105	1	67.5	+1.9	60	31	0.00	—0.03	0.00	—	0	—0.1	3.9	+1.1					
Sukkur	97.4	+1.4	103	1	68.2	—0.7	62	23	0.00	—0.01	0.00	—	0	0.0	1.9	—0.6					
Padidan	x	—	—	—	63.0	—	54	23	0.00	—	0.00	—	0	—	2.9						
SIND (Lower)																					
Umarkot	99.0	—	102	13	66.9	—	60	28	0.00	—	0.00	—	0	—	2.8	—			1		
Chhor	97.8	—	101	13,19	63.7	—	55	27	0.00	—	0.00	—	0	—	x	—					
Hyderabad	99.2	+1.4	104	23	69.3	—0.9	60	26	0.27	+0.24	0.27	13	2	+1.9	3.1	—1.3	1				
Karachi (Airport)	95.6	—	102	28	68.6	—	61	20	0.00	—	0.00	—	0	—	4.0	—			1		
Karachi (Manora)	89.4	+2.1	97	22,26	75.1	+1.4	69	2	0.00	—0.02	0.00	—	0	—0.1	4.5	—1.2			1	1	
Badin	99.0	+3.0	105	20	68.4	—1.5	59	27	0.00	—0.03	0.00	—	0	—0.1	3.0	—					
IRAN																					
Jask	92.3	+1.5	104	3	76.1	+0.6	71	26	0.00	—0.12	0.00	—	0	—0.2	6.9	+0.7					
ARABIA																					
Muscat	89.0	—2.0	96	2	77.6	—2.3	71	13	0.00	—0.14	0.00	—	0	—0.2	2.9	+0.1					
Kuwait *	91.3		103	3	73.6		68	15,28	0.05		0.05	31	0		4.6						1

(x) Data not available. (a) Mean for 30 days.

(*) Observation recorded at 0600 hours GMT. instead of 0300 hours GMT.

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PAKISTAN WEATHER REVIEW 1953

Monthly Weather Report

December.

PUBLISHED BY THE AUTHORITY OF THE GOVERNMENT OF PAKISTAN

Chief Features.—1. Twelve feeble western disturbances affected weather in West Pakistan during the month.

2. Weather was dry in East Pakistan.

West Pakistan.—Eight feeble western disturbances affected West Pakistan during the first three weeks where only light rain and drizzle was reported from Upper N.W.F.P. on three days and from Northeast Baluchistan and the Punjab on one day each.

The ninth western disturbance, which affected Baluchistan on the 23rd caused scattered rain thundershowers in Baluchistan. It moved away northeastwards across the Punjab by the 25th causing local rain with sacattered thundershowers over the North Punjab.

Another western disturbance which appeared over Baluchistan on the 23rd moved N.W,F.P. on the 24th after inducing a secondary over Punjab. The system moved away northeastwards in the 26th after causing fairly widespread rain in N.W.F.P. on the 25th and in the North Punjab on the 26th, local rain in N.W.F.P. on the 26th and scattered in Northeast Baluchistan on the 25th.

The eleventh western disturbance moved from N.E. Baluchistan to upper N.W.F.P. on the 27th with its secondary effecting Sind. The system caused only local thunderstorm showers in the North Punjab.

The last western disturbance affected Baluchistan on the 30th with its associated trough extending to Western Arabian Sea. It moved to the North Punjab as the 31st causing fairly widespread thunder storms/showers in N.W.F.P., N.E. Baluchistan and the Punjab hill and local rain/thunder storms over the plains of the Punjab and in Sind.

Some of the noteworthy amounts of rainfall recorded during the month were :—

Jiwani 1" on the 23rd ; Drosh 1" on the 26th and Hyderabad 1" on the 31st.

The total rainfall during the month was in large excess over lower Sind ; in moderate defect over the North West Frontier Province and in large defect elsewhere over West Pakistan. Averaged over the plains of West Pakistan it was in moderate defect.

East Pakistan.—Weather remained dry over East Pakistan during the month.

The mean maximum and minimum temperatures were above normal. The mean relative humidity was in defect in the northern sub-division and normal elsewhere over East Pakistan.

Skies were less clouded than usual over the region.

Table 1 contains the Divisional and sub-divisional means of rainfall temperature, humidity and cloud for the 5 Chief divisions and 12 sub-divisions of Pakistan. These means are based on the Observations at the stations whose monthly means are given in the subsequent table.

TABLE I—DIVISIONAL AND SUB-DIVISIONAL MEANS FOR DECEMBER, 1953.

Division.	PRECIPITATION.				DEPARTURE FROM NORMAL OF				
							0300 hrs. G.M.T.		
	Actual	Normal.	Departure from normal.	Percentage departure from normal.	Maximum temperature.	Minimum temperature.	Vapour pressure.	Relative humidity.	Cloud.
1	2	3	4	5	6	7	8	9	10
	Inches	Inches	Inches		Degree	Degree	Mb.	%	
EAST PAKISTAN	0·00	0·24	—0·24	—100	+3·5	+3·5	+2·4	—1	—0·7
Mean of East Pakistan	0·00	0·24	—0·24	—100	+3·5	+3·5	+2·4	—1	—0·7
Punjab	0·16	0·47	—0·31	—66	+5·2	+6·9	+2·2	—5	+0·4
N. W. F. P.	0·28	0·44	—0·16	—36	+4·6	+3·8	+1·3	+2	—0·2
Baluchistan	0·09	0·65	—0·56	—86	+7·0	+4·2	+0·5	—1	—0·7
Sind	0·26	0·11	+0·15	+136	+8·3	+6·1	+3·9	+15	+0·2
Mean of West Pakistan excluding Baluchistan	0·21	0·34	—0·13	—38	+6·1	+5·6	+2·6	+8	+0·2
East Pakistan (North)	0·00	0·10	—0·10	—100	+3·7	+3·9	+2·5	—11	—0·7
East Pakistan (East)	0·00	0·38	—0·38	—100	+3·3	+3·0	+2·3	—3	—0·7
East Pakistan (Deltaic)	0·00	0·19	—0·19	—100	+3·5	+4·0	+2·6	+4	—0·7
Kashmir*									
North Punjab	0·27	0·67	—0·40	—60	+5·0	+6·3	+1·9	+3	+0·6
South Punjab	0·01	0·21	—0·20	—95	+5·4	+7·5	+2·6	+8	+0·1
N. W. F. P. (Upper)	0·42	0·67	—0·25	—37	+5·4	+4·3	+0·5	—7	+0·3
N. W. F. P. (Lower)	0·21	0·32	—0·11	—34	+4·2	+5·1	+1·7	+7	—0·4
Baluchistan (North)	0·23	0·66	—0·43	—65	+7·5	+4·7	+0·3	—3	—0·2
Baluchistan (South)	0·00	0·65	—0·65	—100	+6·2	+3·1	+0·8	+1	—1·5
Sind (Upper)	0·01	0·10	—0·09	—90	+6·5	+7·3	+3·3	+8	+1·5
Sind (Lower)	0·52	0·13	+0·39	+300	+10·2	+5·1	+4·5	—21	—1·1

* Data incomplete.

TABLE II—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF DECEMBER, 1953.

B-Division and Station.	Hours of observation.	Height of bar cistern above mean sea level.	Mean Pressure.			Mean Temperature of the Air and Humidity.							Total Cloud Amount.		Wind Direction Number of Observations From :—								
			Station level reduced to standard temperature and gravity.	Departure from normal.	Reduced to standard temperature and M.S.L. of nearest Gpkhs. level.	Dry bulb.	Wet bulb.	Dew point.	Vapour pressure.	Departure from normal.	Relative humidity.	Departure from normal.	Mean amount.	Departure from normal.	N	NE	E	SE	S	SW	W	NW	Calm.
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas	oktas									
EAST PAKISTAN (North)																							
Palma	0300					74·0	66·1	61·9	18·2	+ 2·0	63	—13											
Sirajganj	0000	49	1012·7		1014·4	59·3	59·1	59·1	17·1		100		0·6		0	0	0	0	0	0	1	9	21
	0300		1014·9		1016·7	69·7	64·9	61·9	18·8		75		0·3		1	1	0	0	0	0	0	10	19
	1200		1011·5		1013·3	70·4	65·6	62·8	18·8		75		0·8		2	0	0	0	0	0	0	1	28
Bogra	0000	(*) 65	1012·7		1015·1	60·5	58·4	56·7	16·2		88		0·5		0	0	0	0	0	0	0	0	31
	0300	63	1015·1	—0·3	x	x	x	x	x		x		0·7	—0·4	4	18	7	1	1	0	0	0	0
	1200		1010·9		x	x	x	x	x		x		1·9		2	4	1	1	0	3	3	4	13
Dinajpur	0000	123	1012·8		1017·2	57·2	55·9	54·5	14·4		90		0·0		0	0	0	0	0	0	0	0	31
	0300		1014·1	+0·8	1018·4	68·8	63·2	59·6	17·5	+3·0	73	—8	0·0	—1·0	0	0	0	0	0	0	0	0	31
	1200		1010·9		1015·2	74·0	65·8	60·8	18·2		63		0·0		0	0	0	0	0	0	0	0	31
Rangpur	0300												1·1		0	10	21	0	0	0	0	0	0
	1200												0·2		0	0	0	0	0	0	0	0	31
EAST PAKISTAN (East).																							
Cox's Bazar	0000	(*) 10	1013·8		1014·2	62·5	61·3	60·2	18·5		94		1·2		0	3	26	0	0	0	0	0	2
	0300	38	1015·4	+0·7	1016·7	73·9	67·0	62·5	19·4	+0·4	68	—10	0·7	—1·0	1	0	0	0	0	0	0	0	30
	1200		1012·7		1014·1	75·2	67·1	62·2	19·0		64		0·9		0	0	0	0	0	0	0	1	30
Chittagong	0300	87	1013·8	+0·1	1016·9	72·1	66·3	62·6	19·1	+1·2	71	—11	1·4	—0·2	1	8	12	0	0	0	0	0	10
	1200		1010·5		1013·6	73·2	66·3	61·7	18·7		67		1·3		4	1	0	0	0	3	11	9	3
Noakhali (Maijdee)	0000	25	103·7		1014·7	60·7	59·3	58·3	16·7		91		x		0	0	0	0	0	0	0	0	31
	0300		1015·8	—0·2	1016·7	70·0	65·6	62·6	19·4	+1·5	77	—4	x		0	0	0	0	0	0	0	0	31
	1200		1012·8		1013·7	71·7	66·4	63·8	19·7		73		x		0	0	0	0	0	0	0	0	31
Brahmanbaria	0000	32	1014·5		1015·6	61·9	60·9	60·0	17·9		94		0·5		0	0	1	0	0	0	0	0	30
	0300		1016·1		1017·2	72·5	67·2	63·9	20·5	+3·5	74	+3	0·5		3	3	1	1	0	0	0	0	23
	1200		1012·5		1013·6	74·5	67·0	62·6	19·6		66		1·0		0	0	0	0	0	0	0	0	31
Comilla	0000	29	1014·4		1015·4	60·6	60·1	59·5	17·8		97		1·2		1	0	0	0	0	0	0	1	29
	0300		1015·4	—0·7	1016·4	69·3	65·0	61·8	18·7	+1·2	77	0	0·5	—0·5	3	0	1	0	0	0	0	0	27
	1200		1012·3		1013·3	72·3	67·1	64·9	20·3		76		1·5		3	1	1	0	0	1	1	0	4

(x) Data not available. (*) Observation recorded at a distant site by P.R.O. Staff.

PAKISTAN METEOROLOGICAL DEPARTMENT

ERRATA TO MONTHLY WEATHER REPORT FOR DECEMBER 1953.

S.No.	Page.	Station.	Col. No.	Hours.	REMARKS. For	Read
1.	3	Noakhali (Majdee)	4	0000	103.7	113.7
2.	3	Comilla	23	1200	4	24
3.	4	Satkhira.	22	1200	0	1
4.	9	Karachi (Manora)	16	0300	0	6
5.	10	Jask	8	0300	47.8	57.8
6.	14	Kuwait.	Foot note	-	(x) Observation recorded of 0600 hrs. instead of 0300 hrs. G.M.T.	(X) Observations recorded at 0600 hrs. instead of 0300 hrs. G.M.T.

STATION	Temperature (°F)		RAINFALL (Inches)			REMARKS
	Max.	Min.	Past 24 hrs.	Since 1st.....	Dep. from Normal	
West Pakistan :						
Bahawalpur ...						
Cherat ...						
D. I. Khan ...						
Hyderabad (Sd) ...						
Jacobabad ...						
Kalat ...						
Karachi (A. P.) ...						
Karachi (Mra) ...						
Lahore ...						
Las Bela						

TABLE II—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF DECEMBER, 1953.

B-Division and Station.	Hours of observation.	Height of bar cistern above mean sea level.	Mean Pressure.			Mean Temperature of the Air and Humidity.							Total Cloud Amount.		Wind Direction Number of Observations From :—								
			Station level reduced to standard temperature and gravity.	Departure from normal.	Reduced to standard temperature and M.S.L. or nearest GPkm. level.	Dry bulb.	Wet bulb.	Dew point.	Vapour pressure.	Departure from normal.	Relative humidity.	Departure from normal.	Mean amount.	Departure from normal.	N	NE	E	SE	S	SW	W	NW	Calm.
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
EAST PAKISTAN (East)—Contd.	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas	oktas									
Narayangani	0000	26	1015·0		1015·9	61·9	61·0	60·2	17·9		94		0·8		1	3	1	0	0	0	2	4	20
	0300		1016·3	0·0	1017·2	71·4	65·7	62·0	19·0	+2·4	73	—5	0·3	—1·2	8	8	3	1	1	0	2	1	7
	1200		1013·1		1014·0	74·3	67·9	64·0	20·1		70		1·2		0	0	1	0	0	0	1	0	29
Srimangal	0000	69	1013·3		1015·7	54·8	54·3	53·3	14·3		97		1·3		0	0	0	0	0	0	0	0	31
	0300		1014·7	0·0	1017·2	65·7	63·9	62·8	19·5	+4·0	89	+5	1·5	+0·2	0	0	0	0	0	0	0	0	31
	1200		1011·7		1014·2	68·4	67·0	66·2	21·5		92		0·6		0	0	0	0	0	0	0	0	31
Mymensingh	0000	62	1013·5		1015·7	58·7	57·6	56·4	16·0		94		0·0		0	0	0	0	0	0	0	0	31
	0300		1015·1	—0·3	1017·3	68·7	65·5	63·3	20·5	+4·1	85	+2	0·0	—1·5	0	1	12	1	0	0	0	0	17
	1200		1011·8		1014·0	71·7	65·4	61·1	18·5		69		0·0		0	0	1	0	0	0	0	0	30
EAST PAKISTAN (Deltaic)																							
Faridpur	0000	46	1013·4		1015·0	58·7	58·0	57·2	16·5		97		0·5		2	3	0	0	0	0	0	1	25
	0300		1015·3	—0·3	1016·9	69·7	65·2	61·8	19·4	+3·0	77	—3	0·3	—0·7	6	3	0	0	0	0	0	0	22
	1200		1012·1		1013·7	72·5	66·6	62·9	19·9		72		0·7		1	2	0	0	0	0	0	0	28
Barisal	0000	11	1015·0		1015·4	62·1	60·6	59·5	17·3		91		0·7		3	0	1	0	1	0	0	0	26
	0300		1016·4	0·0	1016·8	69·9	65·6	62·6	19·4	+1·8	77	—2	0·5	—0·6	7	10	1	1	2	0	0	2	8
	1200		1013·2		1013·5	76·4	67·3	61·9	16·2		71		0·4		2	0	0	0	2	0	0	0	27
Khulna	0000	16	1014·8		1015·3	61·5	60·1	58·5	16·7		91		0·7		2	1	0	0	0	0	0	0	28
	0300		1016·7	—0·3	1017·3	69·5	64·8	61·6	18·7	+2·7	77	+10	0·2	—1·1	5	8	1	0	0	0	0	3	14
	1200		1013·4		1013·9	74·5	66·3	61·1	19·0		64		0·7		1	0	0	0	0	1	0	0	29
Jessore	0000	26	1014·9		1015·8	56·5	55·7	54·8	14·9		94		0·3		0	0	0	0	0	0	0	0	31
	0300		1016·1	—0·7	1017·0	64·8	63·0	61·9	18·8	+3·2	89	+15	0·3	—0·7	0	2	2	0	0	0	1	0	26
	1200		1012·6		1013·5	72·3	68·2	65·6	21·6		80		1·1		0	0	0	0	0	0	0	0	31
Satkhira	0000	16	1014·5		1015·1	60·2	58·2	56·0	15·6		88		1·3		0	0	0	0	0	0	0	0	31
	0300		1016·3	—0·5	1016·9	68·9	63·7	60·0	18·1	+2·3	75	0	0·3	—0·6	8	2	0	0	0	0	1	10	10
	1200		1012·7		1013·3	76·4	68·1	63·3	19·1		62		1·7		0	0	0	0	0	0	0	0	30

TABLE II—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF DECEMBER, 1953.

B-Division and Station.	Hours of observation.	Height of bar cistern above mean sea level.	Mean Pressure.			Mean Temperature of the Air and Humidity.							Total Cloud Amount.		Wind Direction Number of Observations From :—								
			Station level reduced to standard temperature and gravity.	Departure from normal.	Reduced to standard temperature and M.S.L. or nearest 0·5cm. level.	Dry bulb.	Wet bulb.	Dew point.	Vapour pressure.	Departure from normal.	Relative humidity.	Departure from normal.	Mean amount.	Departure from normal.	N	NE	E	SE	S	SW	W	NW	Calm.
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas	oktas									
KASHMIR.																							
Srinagar (x)	0000	5205																					
	0300																						
	1200																						
Gulmarg (x)	0000	8709																					
	0300																						
	1200																						
Dras (x)	0000	10059																					
	0300																						
	1200																						
Leh x)	0000	11529																					
	0300																						
	1200																						
Skardu (x)	0300	7505																					
	1200																						
Gilgit (x)	0000	4890																					
	0300																						
	1200																						
Misgar	0000	10190	699·2		708·7	24·5	21·7	16·0	3·0		69		3·9		0	0	0	0	0	0	0	0	31
	0300		698·8	—	708·3	23·5	20·8	15·5	2·9	—	70	—	3·8	—	0	0	0	0	0	0	0	0	31
	1200		696·8		706·0	33·4	28·8	20·4	3·9		62		4·5		0	0	9	0	0	0	0	0	22
NORTH PUNJAB.																							
Lahore	0000	702	991·3		1017·0	49·7	48·4	46·9	11·0		89		1·3		0	1	0	2	0	0	0	1	27
	0300		992·6	—0·7	1018·3	50·7	49·1	47·2	11·2	+2·3	90	+5	3·3	+0·9	0	1	2	2	0	0	1	1	24
	1200		990·5		1015·2	70·5	61·1	53·8	14·1		55		2·5		0	1	1	1	0	0	0	1	27
Sialkot	0000	830	986·6		1016·8	51·7	48·8	45·9	10·5		79		2·6		0	13	1	0	0	0	0	0	17
	0300		988·1	—0·8	1018·2	52·9	49·5	46·2	10·5	+1·2	77	—7	3·8	+1·7	2	8	2	0	1	0	0	1	17
	1200		985·6		1014·9	66·9	58·4	51·1	12·8		57		3·8		1	2	2	1	0	0	0	0	25
Jhelum	0000	765	989·5		1017·7	47·8	45·5	42·6	9·4		83		2·2		0	0	1	1	0	0	0	4	25
	0300		990·8	—	1019·0	48·6	45·7	42·3	9·1	—	79	—	3·6	—	1	0	0	0	0	0	0	2	28
	1200		988·4		1015·5	68·9	57·3	47·1	11·3		49		3·7		1	1	0	0	0	1	3	3	22

(x) Data not available.

TABLE II—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF DECEMBER, 1953.

B-Division and Station.	Hours of observation.	Height of bar cistern above mean sea level.	Mean Pressure.			Mean Temperature of the Air and Humidity.							Total Cloud Amount.		Wind Direction Number of Observations From :—								
			Station level reduced to standard temperature and gravity.	Departure from normal.	Reduced to standard temperature and M.S.L. or nearest 0·5mm. level.	Dry bulb.	Wet bulb.	Dew point.	Vapour pressure.	Departure from normal.	Relative humidity.	Departure from normal.	Mean amount.	Departure from normal.	N	NE	E	SE	S	SW	W	NW	Calm.
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas	oktas									
NORTH PUNJAB—Contd.																							
Rawalpindi	0000	1676	958·1		899·3	46·1	42·9	38·7	8·1		77		x		0	0	0	1	0	0	0	0	30
	0300		959·4	—0·2	900·8	47·5	43·8	39·5	8·2	+1·2	73	—3	3·2	+0·6	0	0	0	0	0	0	2	0	29
	1200		957·2		900·5	62·5	53·0	44·0	9·9		51		3·4		0	0	0	0	0	1	3	0	27
Khushab	0000	616	994·4		1017·1	48·5	45·8	42·6	9·3		79		1·8		2	10	3	0	6	3	1	2	4
	0300		996·0	—1·2	1018·5	51·4	47·7	43·5	9·6	+3·0	74	+13	2·7	+0·2	2	8	4	2	3	1	2	3	6
	1200		993·3		1015·0	72·1	58·9	47·1	11·1		41		2·5		1	6	2	3	1	2	1	3	12
Lyallpur	0000	605	994·4		1016·6	50·5	49·4	48·4	11·5		92		2·0		0	3	2	1	0	1	1	2	21
	0300		995·9	—0·9	1018·1	49·7	48·8	47·9	11·3	+2·8	94	+18	2·3	—0·9	0	1	1	0	3	1	1	1	23
	1200		994·0		1015·4	70·6	61·6	54·7	14·7		58		2·4		1	1	2	1	3	2	1	0	20
SOUTH PUNJAB.																							
Montgomery	0000	558	997·0		1017·5	49·4	48·7	48·1	11·4		96		0·1		0	0	0	2	1	5	4	3	16
	0300		997·2	—1·5	1017·6	51·8	50·0	48·0	11·4	+2·6	86	+9	0·8	—1·0	0	0	0	3	2	11	4	1	10
	1200		995·3		1014·9	72·4	63·8	57·6	16·4		60		1·0		0	0	1	3	3	2	3	4	15
Multan	0300	413	1003·3	—0·8	1018·3	56·5	52·9	49·2	12·1	+1·9	77	+5	3·0	+1·2	12	2	2	1	7	1	3	2	1
	1200		1000·7		1015·2	73·4	62·6	54·5	14·5		52		2·8		5	1	6	1	7	1	8	2	0
Fort-Abbas	0000	475	998·2		1015·8	50·1	47·3	44·2	9·9		78		0·5		0	1	3	0	0	0	0	0	27
	0300		999·7	—	1016·9	57·2	51·4	45·3	10·3	—	65	—	0·5	—	1	1	3	2	0	1	0	0	23
	1200		996·7		1013·2	76·2	62·1	50·1	12·7		41		0·3		4	0	0	0	0	1	1	2	23
Bahawalpur	0300	384	1003·2	—1·7	1017·3	51·1	49·3	47·2	11·1	+2·4	88	+14	1·1	—0·8	3	2	0	0	1	1	0	0	24
	1200		1001·3		1014·8	73·9	63·9	56·9	15·8		55		1·5		0	7	1	0	0	0	0	0	23
Khanpur	0300	297	1007·1	—0·8	1018·0	55·2	51·6	47·8	11·4	+3·4	77	+11	1·7	+0·1	9	6	1	0	2	1	0	0	12
	1200		1004·4		1014·8	76·1	63·8	55·5	14·7		48		1·6		6	3	0	0	0	3	2	0	17
N. W. F. P. (Upper).																							
Chakdara	0000	2225	939·0		901·5	44·9	41·7	37·5	7·7		75		0·2		1	11	6	1	0	1	0	2	9
	0300		940·1	—	902·6	44·3	41·2	37·5	7·6	—	76	—	0·8	—	3	12	5	1	0	0	0	0	10
	1200		937·9		901·5	59·2	52·2	44·3	10·5		61		0·8		1	4	2	2	2	10	0	1	9
Peshawar	0000	1175	975·8		1018·5	48·7	43·1	35·0	7·0		59		2·7		0	0	0	1	10	17	0	0	3
	0300		977·0	—1·0	1019·8	48·6	43·1	35·1	6·9	+0·5	58	—7	4·3	+0·3	0	1	0	0	10	6	0	0	14
	1200		974·8		1016·1	64·9	54·7	44·2	10·1		48		4·6		2	6	1	7	3	0	0	0	12
Landikotal	0000	3503	897·1		904·5	43·7	38·4	30·4	5·8		59		2·5		0	0	0	0	0	0	0	2	29
	0300		898·1	—	905·5	43·9	38·7	31·7	5·9	—	60	—	3·3	—	5	4	1	0	0	0	2	1	18
	1200		896·2		903·4	58·1	47·4	34·3	6·9		41		3·8		5	2	1	1	0	3	7	6	6

(x) Data not available.

TABLE II—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF DECEMBER, 1953.

B-Division and Station.	Hours of observation.	Height of bar cistern above mean sea level.	Mean Pressure.			Mean Temperature of the Air and Humidity.							Total Cloud Amount.		Wind Direction Number of Observations From :—								
			Station level reduced to standard temperature and gravity.	Departure from normal.	Reduced to standard temperature and M.S.L. or nearest Gpkm. level.	Dry bulb.	Wet bulb.	Dew point.	Vapour pressure.	Departure from normal.	Relative humidity.	Departure from normal.	Mean amount.	Departure from normal.	N	NE	E	SE	S	SW	W	NW	Calm.
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas	oktas									
N. W. F. P. (Lower)																							
Bannu	0000	1264	971·9		1017·7	49·3	45·9	41·2	9·0		75		0·5		2	0	0	0	0	0	10	15	4
	0300		973·2	—	1019·0	49·5	45·8	40·9	8·8	+2·2	73	+13	1·0	—1·2	3	1	0	0	1	2	9	12	3
	1200		971·5		1015·6	69·4	60·2	52·2	13·7		56		1·4		0	0	3	13	6	2	2	2	3
Miran Shah (R)	0000	3026																					
	0300																						
	1200																						
D. I. Khan	0000	570	996·3		1017·1	50·4	47·2	42·4	9·6		77		0·3		1	0	0	0	0	0	0	0	30
	0300		998·8	+0·2	1019·8	48·5	44·9	40·5	8·5	+1·1	73	+1	2·7	+0·4	0	2	0	0	0	0	2	1	26
	1200		994·6		1014·6	74·2	60·8	48·9	12·2		42		1·4		1	1	0	1	0	0	0	0	28
BALUCHISTAN (North)																							
Fort Sandeman	0300	4614	861·3	—1·4	904·6	44·6	35·9	(b) 21·2	3·9	—1·3	39	—34	2·8	+0·2	0	0	0	0	0	0	0	0	31
	1200		860·6		902.1	64·8	47·2	(a) 21·6	4·2		20		2·7		1	0	0	0	1	1	1	1	26
Hindubagh	0000	5909	823·3		903·8	42·8	37·5	30·6	5·7		60		0·0		0	0	1	0	0	6	14	9	1
	0300		824·8	—	904·8	42·6	37·5	31·5	6·0	—	64	—	2·8	—	0	2	0	1	0	2	15	8	3
	1200		822·8		803·4	58·9	47·9	36·4	7·5		44		3·0		0	0	0	0	0	18	10	3	0
Loralai	0000	4699	859·1		905·5	41·0	34·5	21·7	4·2		48		1·0		0	0	0	0	8	17	6	0	0
	0300		860·9	—	907·3	41·8	36·3	26·1	5·1	—	57	—	1·4	—	0	0	0	0	2	19	7	0	3
	1200		858·2		902·5	62·0	48·7	32·5	6·2		33		2.1		0	1	0	12	5	5	0	1	7
Sibi	0000	441	999·8		1015·9	51·3	46·9	41·6	8·8		68		0·4		0	0	0	0	0	0	0	0	31
	0300		1001·0	—1·2	1017·2	53·4	49·0	43·8	9·6	+3·1	70	+20	1·2	—1·1	0	0	0	0	0	0	0	0	31
	1200		999·7		1015·0	78·5	65·8	55·8	16·6		49		1·1		0	0	0	1	1	0	1	0	28
Quetta	0300	5490	836·8	+0·5	803·8	43·5	39·5	36·2	6·7	+1·7	71	—2	2·4	—0·3	0	0	0	0	2	0	0	0	29
	1200		834·2		802·5	59·3	48·6	38·6	7·9		46		3·8		6	2	0	0	1	5	4	5	8

(R) Register not received. (a) Mean of 30 days only. (b) Mean of 29 days only.

TABLE II—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF DECEMBER, 1953.

B-Division and Station.	Hours of observation.	Height of bar cistern above mean sea level.	Mean Pressure.			Mean Temperature of the Air and Humidity.							Total Cloud Amount.		Wind Direction Number of Observations From :—								
			Station level reduced to standard temperature and gravity.	Departure from normal.	Reduced to standard temperature and M.S.L. or nearest 0·01in. level.	Dry bulb.	Wet bulb.	Dew point.	Vapour pressure.	Departure from normal.	Relative humidity.	Departure from normal.	Mean amount.	Departure from normal.	N	NE	E	SE	S	SW	W	NW	Calm.
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
BALUCHISTAN (North)—(Contd)	GMT	Ft.	Mb.	Mb.	Mb	°F	°F	°F	Mb.	Mb.	%	%	oktas	oktas									
Quetta (Samungli)	0000	5253	845·4		804·4	33·3	31·4	28·3	5·2		81		2·0		0	0	1	11	2	0	3	0	14
	0300		846·5	—	805·5	33·8	31·4	27·5	5·1	—	77	—	2·9	—	0	1	6	6	0	0	1	0	17
	1200		844·4		805·2	58·8	50·1	41·9	9·5		56		3·7		4	0	1	0	0	6	8	11	1
Chaman	0000	4311	872·6		906·1	48·3	41·4	32·7	5·9		52		1·7		0	2	12	10	1	1	0	0	5
	0300		873·6	+0·7	907·1	47·6	41·2	32·7	6·3	+0·4	55	—5	1·2	—1·7	0	0	9	7	1	1	0	0	13
	1200		872·3		904·7	61·1	49·4	36·8	7·5		40		2·6		1	0	0	0	1	10	5	6	8
Nushki	0000	3416	908·4		913·1	53·3	41·9	24·3	4·3		31		0·2		8	10	8	0	1	1	0	3	0
	0300		909·6	—	913·5	53·4	41·7	23·4	4·3	—	31	—	0·2	—	4	12	10	3	0	0	0	2	0
	1200		907·3		911·4	70·2	50·5	25·5	4·7		18		0·7		3	1	0	0	2	7	8	10	0
Kalat	0000	6616	801·8		803·3	34·3	29·7	22·0	3·9		60		0·1		0	0	0	0	21	0	2	0	8
	0300		802·1	+0·5	803·7	34·8	30·7	22·9	4·5	+0·6	65	+1	1·1	—1·1	5	8	7	2	6	0	0	0	3
	1200		801·0		802·6	57·0	43·0	23·5	4·5		29		2·0		0	8	2	0	0	1	0	3	17
Dalbandin	0000	2785	921·9		904·7	45·0	38·4	27·5	5·3		52		2·6		0	8	2	0	0	1	0	3	17
	0300		923·3	+1·0	906·1	43·3	37·1	26·7	5·1	—1·5	54	—15	3·0	+0·7	1	10	2	1	0	0	0	1	16
	1200		921·0		904·8	69·8	51·9	30·5	6·0		24		4·1		0	5	8	1	2	9	1	0	5
Nokkundi	0000	2229	939·3		903·6	50·7	39·5	20·3	4·0		31		0·0		12	6	3	0	0	0	1	9	0
	0300		941·4	—	905·5	50·3	40·8	26·1	4·8	—1·1	39	—15	4·4	+1·7	10	5	3	0	0	0	1	8	4
	1200		939·1		904·8	70·4	55·0	38·3	8·3		33		4·8		3	3	9	9	3	1	1	2	0
BALUCHISTAN (South)																							
Las Bela	0000	292	1006·2		1006·8	58·4	54·8	52·9	12·9		78		0·4		0	0	0	0	0	0	0	0	31
	0300		1006·7	—0·7	1017·3	58·7	54·9	51·1	13·0	+2·0	76	+15	1·1	—0·2	2	2	1	1	0	1	1	0	23
	1200		1004·1		1014·0	86·6	75·0	67·0	24·9		57		1·8		2	0	1	8	4	12	1	0	3
Ormara	0000	15	1014·7		1015·2	64·2	61·0	58·4	17·0		83		0·0		0	0	0	0	0	0	5	1	25
	0300		1016·3	—	1016·8	64·8	61·8	59·5	17·6	+2·6	84	+7	0·0	—2·1	0	0	4	1	0	0	3	0	23
	1200		1013·9		1014·4	80·1	72·4	68·1	23·9		68		0·1		0	0	2	1	5	2	18	2	1
Pasni	0000	10	1015·7		1016·1	60·0	57·4	54·5	15·0		85		0·3		3	1	1	0	0	0	10	16	0
	0300		1016·6	—0·9	1017·0	60·7	57·4	53·5	14·6	+0·5	80	+5	0·2	—1·6	2	1	1	0	0	0	12	15	0
	1200		1014·4		1014·7	80·6	68·5	59·8	18·8		52		0·5		6	1	1	7	5	13	3	1	0
Turbat	0000	510	999·4		1017·9	60·7	53·5	45·5	11·1		61		0·9		0	19	1	9	0	0	0	0	2
	0300		1000·9	—	1019·0	61·3	54·1	45·8	11·1	—	61	—	0·8	—	1	20	0	6	0	0	0	1	3
	1200		997·8		1015·3	84·3	68·2	57·5	16·2		40		1·8		0	4	0	1	0	4	4	17	1
Panjgur	0000	3177	909·0		905·5	49·9	41·4	28·5	5·5		45		0·3		2	28	0	0	0	0	1	0	0
	0300		909·8	+1·0	906·3	47·9	39·4	24·9	4·9	—1·7	42	—21	0·3	—1·9	0	30	0	0	1	0	0	0	0
	1200		907·1		903·7	70·8	52·0	28·9	5·6		21		0·3		7	3	0	0	0	12	7	2	0

TABLE II—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF DECEMBER, 1953.

B-Division and Station.	Hours of observation.	Height of bar cistern above mean sea level.	Mean Pressure.			Mean Temperature of the Air and Humidity.							Total Cloud Amount.		Wind Direction Number of Observations From :—								
			Station level reduced to standard temperature and gravity.	Departure from normal.	Reduced to standard temperature and M.S.L. or nearest 6pkm. level.	Dry bulb.	Wet bulb.	Dew point.	Vapour pressure.	Departure from normal.	Relative humidity.	Departure from normal.	Mean amount.	Departure from normal.	N	NE	E	SE	S	SW	W	NW	Calm.
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas	oktas									
SIND (Upper)																							
Reti	0000	280	1006·6		1017·0	51·8	49·2	46·0	10·9		83		0·0		0	0	0	0	0	0	0	0	31
	0300		1007·9	—	1018·1	51·7	48·5	45·4	10·5	—	79	—	0·0	—	0	2	0	0	2	3	0	0	24
	1200		1005·6		1015·4	79·4	64·1	52·8	13·0		39		0·0		3	4	0	0	0	3	2	0	19
Jacobabad	0000	183	1009·2		1016·0	57·3	53·2	49·3	11·9		76		1·9		1	0	3	1	1	0	0	4	21
	0300		1011·1	—1·1	1017·9	57·3	52·9	48·5	11·5	+2·8	73	+5	2·7	+1·1	2	0	4	3	1	0	2	1	18
	1200		1008·2		1014·7	78·6	65·9	56·7	16·6		50		2·9		3	1	2	9	5	1	4	3	3
Sukkur	0300	221	1009·2	—1·2	1017·1	59·4	55·4	51·6	13·0	—3·8	76	+11	3·2	+1·9	0	4	7	15	2	0	0	0	3
	1200		1006·8		1014·5	77·5	65·2	56·1	15·1		47		3·5		4	8	0	3	1	3	0	0	12
Pad Idan	0000	153	1010·0		1015·7	52·1	50·9	49·5	12·3		93		1·0		2	0	0	0	0	0	0	1	28
	0300		1011·9	—	1017·5	53·2	51·0	48·7	11·9	—	86	—	1·6	—	2	0	1	0	0	0	1	3	24
	1200		1009·3		1014·6	80·3	63·6	50·1	12·6		36		2·7		7	1	0	0	2	0	2	3	16
SIND (Lower)																							
Umarkot	0000	55	1012·7		1014·7	60·1	54·6	47·9	12·0		68		0·0		4	3	2	2	6	2	0	0	12
	0300		1014·1	—	1016·1	60·4	55·2	50·1	12·5	—	71	—	0·0	—	4	3	0	1	4	3	1	0	15
	1200		1011·1		1013·0	83·8	65·8	53·8	13·7		34		0·0		3	1	0	0	0	5	2	10	10
Chhor	0000	19	1014·4		1015·1	52·2	49·8	47·2	10·9		83		0·6		0	1	0	0	0	1	0	0	29
	0300		1016·4	—	1017·1	56·3	52·5	48·2	11·4	—	75	—	2·1	—	0	2	2	0	0	4	0	0	23
	1200		1013·2		1013·9	84·5	64·5	48·1	11·7		29		1·8		1	1	0	0	0	7	0	0	22
Hyderabad	0000	96	1011·8		1015·3	60·7	57·1	54·0	14·6		80		0·5		9	0	0	0	2	8	0	0	12
	0300		1013·1	—1·8	1017·0	60·4	56·6	53·1	13·5	+4·4	76	+18	0·5	—0·9	11	0	0	0	1	6	0	0	13
	1200		1010·8		1014·1	83·9	64·8	49·5	12·5		31		1·5		4	3	0	0	1	7	0	0	16
Karachi (Airport)	0000	73	1012·8		1015·6	61·5	56·2	51·3	12·6		69		1·0		7	2	0	0	0	1	2	0	19
	0300		1014·5	—	1017·3	62·0	56·6	51·3	13·1	—	69	—	2·1	—	4	2	0	0	0	0	1	1	23
	1200		1011·8		1014·4	81·9	65·6	52·3	14·0		37		2·1		0	2	0	2	8	13	5	0	1
Karachi (Manora)	0000	13	1015·2		1015·7	68·5	63·4	59·4	17·7		74		1·5		2	4	0	0	0	0	3	0	22
	0300		1016·5	—1·0	1017·0	69·7	64·5	60·6	18·4	+6·5	75	+13	2·5	+0·7	0	0	0	0	0	0	3	0	22
	1200		1013·9		1014·4	80·2	70·3	64·3	20·5		59		2·5		0	0	0	2	4	4	16	2	3
Badin	0000	31	1014·3		1015·4	59·9	57·0	54·7	14·5		82		0·0		3	0	0	0	0	1	1	0	26
	0300		1015·8	—0·5	1017·1	58·8	56·1	53·4	14·5	+4·5	85	+24	0·1	—1·2	3	0	0	0	0	1	1	1	25
	1200		1013·3		1014·4	86·5	67·6	53·7	14·8		34		0·0		1	0	0	0	0	4	2	5	19

TABLE II—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF DECEMBER, 1953.

B-Division and Station.	Hours of observation.	Height of bar cistern above mean sea level.	Mean Pressure. Station level reduced to standard temperature and gravity.	Mean Pressure. Departure from normal.	Mean Pressure. Reduced to standard temperature and M.S.L. or nearest 6pkm. level.	Mean Temperature of the Air and Humidity. Dry bulb.	Wet bulb.	Dew point.	Vapour pressure.	Departure from normal.	Relative humidity.	Departure from normal.	Total Cloud Amount. Mean amount.	Departure from normal.	Wind Direction Number of Observations From :— N	NE	E	SE	S	SW	W	NW	Calm.
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas	oktas									
HILL STATIONS EXCLUDING KASHMIR & BALUCHISTAN.																							
Murree	0000	7113	785·6		801·6	43·5	35·6	23·1	4·3		45		3·3		0	1	3	12	0	0	1	14	0
	0300		786·9	+0·8	803·1	44·6	36·7	24·4	4·6	+0·3	46	—2	4·4	+1·3	0	4	8	9	1	0	4	2	3
	1200		785·8		801·9	46·8	39·1	28·5	5·4		50		5·0		0	4	8	6	0	0	4	6	3
Cherat	0000	4272																					
	0300		873·8	+0·6	905·9	52·1	42·8	29·7	5·7	+0·7	42	—6	4·0	+1·1	13	0	0	0	1	0	0	14	3
	1200		872·5		904·2	55·9	45·5	31·5	6·2		40		4·4		9	0	0	1	3	0	0	10	8
Drosh	0000	4806	858·7		908·3	42·9	36·2	24·3	4·5		48		3·9		0	0	0	2	1	0	0	0	28
	0300		859·6	+0·5	909·3	43·0	36·5	24·6	4·7	—0·5	50	—15	4·9	+1·4	0	2	1	1	0	0	0	0	27
	1200		856·6		905·1	52·6	41·6	22·4	4·5		34		5·6		0	2	2	11	3	1	0	0	12
Parachinar	0000	5673	829·4		801·3	41·4	36·8	30·6	5·8		66		3·0		14	2	0	0	0	0	2	2	11
	0300		829·9	+0·7	801·8	42·6	37·8	31·5	6·0	+0·7	65	+2	4·2	+1·2	5	1	0	0	0	0	1	1	23
	1200		828·6		801·3	53·8	45·4	36·4	7·4		52		4·1		1	0	12	8	0	1	1	0	8
Wana	0300	4503	865·2	—	905·1	45·2	38·4	26·2	5·2	+0·4	50	—20	1·5	—0·1	0	0	0	1	0	0	0	0	30
	1200		865·0		904·8	45·3	37·3	23·6	4·4		42		2·2		0	0	0	0	0	2	0	0	29
AFGHANISTAN.																							
Jalalabad	0300	1950	947·4	—	899·9	51·3	44·5	36·0	7·3	—	57	—	3·1	—	0	0	0	0	0	2	7	0	22
	1200		944·7		898·9	67·0	58·3	51·7	13·1		58		3·8		0	0	1	0	0	1	3	1	25
Kabul	0300	5955	824·2	—	805·2	33·9	31·3	25·6	5·0	+1·3	78	+8	4·8	+1·0	2	1	1	1	4	8	7	5	2
	1200		822·5		804·2	52·2	41·6	28·9	5·2		39		5·5		6	5	4	3	2	0	1	3	7
Kandahar	0300	3462	898·7	—	904·7	40·1	37·5	33·9	6·6	—	79	—	2·5	—	0	0	0	0	0	0	0	0	31
	1200		896·2		902·2	61·6	50·8	39·6	8·4		44		3·5		0	0	0	1	0	3	0	0	27
IRAN.																							
Jask	0300	13	1016·8	—	1017·2	67·8	62·3	47·8	16·8		72		2·3	+0·1	5	16	5	0	0	1	0	4	0
	1200		1014·9		1015·1	78·3	69·2	62·3	20·1		61		2·3		0	0	1	1	0	9	16	4	0
ARABIA.																							
Muscat	0300	20	1017·1		1017·6	71·6	66·5	63·2	20·3		76		2·1	—0·1	1	0	0	0	0	0	0	20	10
	1200		1015·3		1015·8	76·4	70·3	66·8	22·3		75		(a) 2·0		0	0	12	1	0	0	0	16	1
Kuwait*	0600	16	(e) 1022·3		(e) 1022·6	(e) 54·2	(e) 48·2	(e) 40·4	(e) 8·7		(e) 61		(h) 1·7		3	3	0	0	0	0	3	12	2
	1200		(g) 1020·2		1020·6	(g) 59·4	(g) 52·5	(g) 45·7	(g) 10·1		(g) 59		(m) 2·3		3	1	0	0	0	0	1	8	5

* Observations recorded at 0600 hours, instead of 0300 hrs, Gmt. (a) Mean of 30 days. (e) Mean of 25 days. (g) Mean of 24 days. (h) Mean of 23 days. (m) Mean of 18 days.

TABLE III—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF DECEMBER, 1953

Sub-Division and Station.	Maximum Temperature of the Air °F				Minimum Temperature of the Air °F				PRECIPITATION (Inches).						Wind Velocity (Knots).		Weather Number of Days.				
	Mean.	Departure from normal.	Highest.	Date.	Mean.	Departure from normal.	Lowest.	Date.	Total of the month.	Departure from normal.	Heaviest fall in 24 hours.	Date.	Days with 0·10" or more.	Departure from normal.	Mean.	Departure from normal.	Thunder heard.	Hail.	Visibility Code Figure 93 or Less. Fog.	Haze (dust)	Dust Storm.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
EAST PAKISTAN (North).																					
Pabna	82·6	+2·8	85	6 days	58·0	+3·8	51	31	0·00	—0·15	0·00	0	0	—0·3	x	—	0	0	0	0	0
Rajshahi									0·00	—0·11	0·00	0	0	—0·2							
Serajganj	81·9		85	3,10	58·8		56	29,30	0·00	—0·09	0·00	0	0	—0·3	1·2	—	0	0	0	0	0
Bogra	x	—	—	—	x	—	—	—	0·00	—0·09	0·00	0	0	—0·2	1·2	+0·3	0	0	0	0	0
Dinajpur	81·6	+4·5	84	5 days	56·0	+4·0	53	23,29,30	0·00	—0·06	0·00	0	0	—0·1	1·1	0·0	0	0	0	0	0
Rangpur									0·00	—0·08	0·00	0	0	—0·2							
EAST PAKISTAN (East).																					
Cox's Bazar	85·6	+5·9	89	23,24	61·0	+2·3	53	30	0·00	—0·98	0·00	0	0	—0·6	0·3	—0·9	0	0	0	0	0
Chittagong	82·5	+3·5	85	4 days	59·7	+2·5	55	31	0·00	—0·64	0·00	0	0	—0·7	2·5	—0·6	0	0	0	0	0
Noakhali (Maijdee)	81·3	+2·8	84	6 days	59·8	+0·1	56	31	0·00	—0·28	0·00	0	0	—0·4	x	—	0	0	0	0	0
Bathuanbaria...	82·6	+2·8	86	13,24	60·6	+5·2	57	4 days	0·00	—0·31	0·00	0	0	—0·5	1·0	—	0	0	0	0	0
Comilla	83·2	+4·0	86	25	60·1	+5·3	56	31	0·00	—0·30	0·00	0	0	0·4	0·6	—0·4	0	0	0	0	0
Narayanganj	81·5	+3·0	86	25	60·9	+3·4	57	31	0·00	—0·20	0·00	0	0	—0·4	1·1	0·0	0	0	3	0	0
Srimangal	81·1	+0·7	84	11,13	53·1	+3·6	47	31	0·00	—0·25	0·00	0	0	—0·5	0·0	—1·1	0	0	2	0	0
Mymensingh	81·8	+4·1	85	13,14	57·6	+1·8	55	23	0·00	—0·09	0·00	0	0	—0·3	2·1	+1·6	0	0	0	0	0
EAST PAKISTAN (Deltaic).																					
Faridpur	80·2	+3·8	82	4 days	57·7	+2·8	53	24	0·00	—0·15	0·00	0	0	—0·3	x	—	0	0	0	0	0
Barisal	82·1	+4·0	85	10	61·4	+4·8	58	30	0·00	—0·25	0·00	0	0	—0·5	x	—	0	0	0	0	0
Khulna	83·5	+4·8	87	5,25,26	61·0	+3·7	57	25	0·00	—0·19	0·00	0	0	—0·3	1·0	—0·7	0	0	1	0	0
Jessore	82·6	+3·7	85	5,11,12	55·7	+4·2	52	24,25	0·00	—0·18	0·00	0	0	—0·4	1·8	+0·9	0	0	0	0	0
Satkhira	82·0	+1·4	85	5	59·1	+4·7	56	8 days	0·00	—0·17	0·00	0	0	—0·3	0·5	—0·4	0	0	0	0	0

(x) Data not available.

TABLE III—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF DECEMBER, 1953.

Sub-Division and Station.	Maximum Temperature of the Air °F				Minimum Temperature of the Air °F				PRECIPITATION (Inches).						Wind Velocity (Knots).		Weather Number of Days.				
	Mean.	Departure from normal.	Highest.	Date.	Mean.	Departure from normal.	Lowest.	Date.	Total of the month.	Departure from normal.	Heaviest fall in 24 hours.	Date.	Days with 0·10″ or more.	Departure from normal.	Mean.	Departure from normal.	Thunder heard.	Hail.	Visibility Code Figure 93 or Less. Fog.	Haze (dist)	Dust Storm
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
KASHMIR.																					
Srinagar (x)																					
Gulmarg (x)																					
Dras (x)																					
Leh (x)																					
Skardu (x)																					
Gilgit (x)																					
Misgar	39·2	—	51	1	*	—	*	—	0·10	—	0·10	25	1	—	2·0	—	0	0	0	0	0
Jammu (x)																					
Kargil (x)																					
Gurez (x)																					
NOTH PUNJAB.																					
Lahore	76·5	+4·2	82	11,13	47·1	+6·5	41	16,28	0·45	—0·62	0·45	27	1	0·0	1·3	+0·5	2	1	1	0	0
Sialkot	73·8	+4·4	80	4,5	49·7	+7·5	46	10	0·10	—0·62	0·10	27	1	—0·3	1·2	+0·5	2	0	0	0	0
Jhelum	75·3	—	80	8 days	45·1	—	41	17,18,21	0·93	—	0·85	26	1	—	1·4	—	3	0	0	0	0
Rawalpindi	72·6	+5·8	80	1	43·4	+5·6	40	16,20	0·49	—0·75	0·24	26	3	+0·7	0·8	—0·4	0	0	0	0	0
Khushab	76·5	+4·8	83	10,15,16	46·9	+5·4	41	28	0·19	—0·24	0·19	31	1	—0·1	1·9	0·0	0	0	0	0	0
Lyallpur	76·4	+5·7	84	16	48·0	+5·8	43	28	0·03	—0·22	0·03	31	0	—0·8	1·2	0·0	1	0	0	0	0
SOUTH PUNJAB.																					
Montgomery	77·4	+5·4	86	1	48·8	+5·7	41	31	0·00	—0·26	0·00	—	0	—0·8	0·9	—0·7	0	0	0	0	0
Multan	76·7	+5·0	82	4days	*	—	—	—	0·00	—0·24	0·00	—	0	—0·7	1·6	+0·7	0	0	0	0	0
Fort-Abbas	81·6	—	87	13,18	*	—	*	—	0·00	—	0·00	—	0	—	2·5	—	0	0	0	0	0
Bahawalpur	80·4	+6·4	88	9,16	49·5	+5·9	41	31	0·00	—0·22	0·00	0	0	—0·6	1·2	—0·4	0	0	0	0	0
Khanpur	82·1	+5·9	89	15	51·2	+7·2	43	31	0·03	—0·10	0·03	31	0	—0·5	2·2	—1·0	0	0	0	0	1

(*) Data rejected. (x) Data not available.

TABLE III—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF DECEMBER, 1953.

Sub-Division and Station.	Maximum Temperature of the Air °F				Minimum Temperature of the Air °F				PRECIPITATION (Inches).						Wind Velocity (Knots).		Weather Number of Days.				
	Mean.	Departure from normal.	Highest.	Date.	Mean.	Departure from normal.	Lowest.	Date.	Total of the month.	Departure from normal.	Heaviest fall in 24 hours.	Date.	Days with 0·10″ or more.	Departure from normal.	Mean.	Departure from normal.	Thunder heard.	Hail.	Visibility Code Figure 93 or Less. Fog.	Haze (dust)	Storm.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
N. W. F. P. (Upper)																					
Chakdara	68·4	—	76	2,8	40·9	—	38	28,31	1·00	—	0·66	25	3	—	2·4	—	0	0	0	0	0
Peshawar	72·1	+5·4	81	2	45·4	+4·5	40	27,28,29	0·42	—0·25	0·27	25	1	—0·6	2·1	+1·0	1	0	0	0	0
Landikotal	63·6	—	74	1	39·6	—	32	30	0·34	—	0·20	25	2	—	1·2	—	0	0	0	0	0
N. W. F. P. (Lower)																					
Bannu	72·6	+2·5	80	2	47·0	+5·0	40	28,29,30	0·30	—0·10	0·30	25	1	—0·5	1·8	—	0	0	0	0	
Miranshah (R)																					
D.I. Khan	77·4	+5·9	82	11,14,15	46·3	+5·1	37	28	0·12	—0·12	0·10	31	1	+0·3	0·6	+0·0	0	0	1	0	0
BALUCHISTAN (North)																					
Fort Sandeman	69·4	+9·5	82	1	38·5	+5·1	25	28	0·30	—0·27	0·20	31	2	+1·8	1·7	+0·5	1	0	0	0	0
Hindubagh	64·4	—	75	2,3	38·3	—	27	28	0·06	—	0·04	—	0	—	6·5	—	0	0	0	0	0
Loralai	68·1	—	77	1	37·5	—	26	27,28	0·28	—0·22	0·10	25,31	2	+0·5	3·4	—	2	0	0	0	0
Harnai									0·00	—0·77	0·00	—	0	—1·4							
Sibi	82·5	+7·6	89	2	48·4	+2·9	41	4 days	0·00	—0·30	0·00	—	0	—0·7	x	—	0	0	0	0	0
Quetta	63·5	—	72	22	33·3	—	15	27	0·01	—	0·01	31	0	—	3·5	+1·8	0	0	0	0	0
Quetta (Samungli)	63·4	—	73	1	29·1	—	14	27	0·00	—	0·00	—	0	—	3·5	—	0	1	0	0	0
Chaman	67·0	+10·0	80	1	44·4	+7·6	28	26,27	0·42	—0·93	0·22	25	2	—1·2	0·8	—2·7	0	0	0	0	1
Nushki	72·5	—	82	4 days	44·4	—	28	27	0·00	—	0·00	—	0	—	x	—	0	0	0	0	0
Kalat	61·6	+6·3	79	1	31·4	+5·3	19	26,27	0·04	—0·90	0·04	25	0	—2·2	5·4	+2·0	0	0	0	0	0
Dalbandin	(b) 72·7	+7·5	85	1	39·2	+4·2	24	27	0·02	—0·66	0·02	23	0	—1·8	3·1	+0·7	0	0	0	1	1
Nokkundi	74·7	+3·8	86	1	46·5	+3·1	33	26	0·00	—0·14	0·00	—	0	—0·3	3·8	—0·4	0	0	0	0	0
BALUCHISTAN (South)																					
Las Bela	91·3	+8·0	98	13	—	—	—	—	0·00	—0·56	0·00	—	0	—0·7	1·4	—0·1	0	0	0	0	0
Ormara	81·8	+4·4	90	15	62·0	+3·1	52	27	0·00	—0·64	0·00	—	0	—1·2	4·2	+ 0·5	0	0	0	0	0
Pasni	82·9	+5·0	89	3	58·0	+1·4	49	25	0·00	—0·84	0·00	—	0	—1·5	5·5	+1·1	0	0	0	0	0
Turbat	88·2	—	98	1	58·3	—	49	26	0·00	—	0·00	—	0	—	2·9	—	0	0	0	0	0
Panjgur	74·0	+7·5	84	1	44·6	+4·8	32	26,27	0·00	—0·57	0·00	—	0	—1·4	3·7	—0·4	0	0	0	0	0

(R) Register not received. (x) Data not available. (b). Mean for 29 days.

TABLE III—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF DECEMBER, 1953.

Sub-Division and Station.	Maximum Temperature of the Air °F				Minimum Temperature of the Air °F				PRECIPITATION (Inches).						Wind Velocity (Knots).		Weather Number of Days.				
	Mean.	Departure from normal.	Highest.	Date.	Mean.	Departure from normal.	Lowest.	Date.	Total of the month.	Departure from normal.	Heaviest fall in 24 hours.	Date.	Days with 0·10″ or more.	Departure from normal.	Mean.	Departure from normal.	Thunder heard.	Hail.	Visibility Code Figure 93 or Less. Fog.	Haze (dust)	Dust Storm.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
SIND (Upper)																					
Reti	83·8	—	88	4 days	48·4	—	44	4	0·00	—	0·00	—	0	—	2·3	—	0	0	0	0	0
Jacobabad	81·5	+7·1	90	1	54·1	+7·6	44	31	0·00	—0·17	0·00	—	0	—0·5	2·4	+0·4	0	0	0	0	0
Sukkur	82·1	+5·9	92	1	55·6	+6·9	49	28,31	0·01	—0·02	0·01	31	0	—0·2	1·5	—0·7	0	0	0	0	0
Pad Idan	83·3	—	92	1	49·7	—	42	31	0·00	—	0·00	—	0	—	1·0	—	0	0	0	0	0
SIND (Lower)																					
Omarkot	89·3	—	95	1,9	54·0	—	39	29	0·00	—	0·00	—	0	—	2·3	—	0	0	2	0	0
Chhor	87·6	—	92	12,13,16	49·4	—	40	29	0·19	—	0·19	31	1	—	x	—	0	0	3	0	0
Hyderabad	87·8	+9·2	95	2,13,17	58·5	+5·9	53	29,31	1·04	+0·94	1·04	31	1	+0·7	1·7	—1·8	1	0	0	0	0
Karachi (Airport)	87·0	—	92	12,13,14	58·5	—	52	29	0·28	—	0·25	30	1	—	2·6	—	0	0	1	0	0
Karachi (Manora)	83·6	+4·9	88	5 days	66·8	+6·7	60	4,29,31	0·93	+0·73	0·60	30	2	+1·5	4·9	—0·2	0	0	1	0	0
Badin	91·7	+11·2	98	13	56·0	+4·2	47	29	0·00	—0·15	0·00	—	0	—0·4	1·8	—	0	0	0	0	0
HILL STATIONS EXCLUDING KASHMIR & BALUCHISTAN.																					
Murree	55·5	+4·8	65	1,23	41·0	+6·1	29	31	1·49	—0·31	0·57	26	3	—0·2	6·1	+1·7	5	6	3	0	0
Cherat	61·6	+7·8	74	1	47·9	+5·5	37	30,31	0·73	—0·83	0·39	31	2	—0·2	8·1	—0·4	0	0	3	0	0
Drosh	58·0	+7·5	71	1	41·0	+5·4	31	27	2·54	+1·34	0·98	26	4	+0·8	2·5	+0·7	0	0	0	0	0
Parachinar	61·2	+6·4	73	1	39·5	+7·0	28	27	0·58	—0·65	0·42	25	2	—0·9	2·7	+1·0	0	0	0	0	0
Wana	73·1	+13·2	78	1,4	30·6	+1·1	25	28,30,31	0·30	—0·40	0·25	25	1	—0·8	0·5	—	0	0	0	0	0
AFGHANISTAN.																					
Jalalabad	69·7	—	80	21	41·6	—	35	27,28	0·16	—	0·16	25	1	—	1·3	—	0	0	0	0	0
Kabul	56·6	+9·0	71	1	31·7	+5·0	37	4 days	0·45	—0·12	0·24	24	2	+0·4	2·7	+0·5	0	1	0	0	0
Kandahar	66·3	—	77	1	37·1	—	28	26,27	0·63	—	0·52	23	1	—	0·8	—	0	0	0	0	0
IRAN																					
Jask	81·2	+3·4	86	2,12	63·3	+0·1	50	3	0·62	—0·53	0·43	22	2	0·0	7·1	+0·6	0	0	0	0	1
ARABIA																					
Muscat	78·3	+0·2	84	22	70·0	+1·3	61	31	0·57	—0·13	0·57	27	1	—0·6	5·1	+2·0	0	0	0	0	0
Kuwait*	(a) 60·1	—	66	8,30	(b) 49·9	—	42	23	(g) 1·34	—	0·78	14	3	—	6·0	—	0	0	0	0	0

(a) Observations recorded of 0600 hrs. instead of 0300 hrs. G.M.T. (x) Data not available. (g) Mean for 24 days. (h) Mean of 23 days.

A. S. M. Press, Dacca.

REGD. No. S-1452

PAKISTAN WEATHER REVIEW, 1953

MONTHLY WEATHER REPORT

NOVEMBER

(PUBLISHED BY AUTHORITY OF THE GOVERNMENT OF PAKISTAN)

Chief Features:— (1) Passage of four weak western disturbances across West Pakistan during the month.

(2) Marked spell of wet weather over East Pakistan during the second weak in association with a depression in South Bay of Bengal.

West Pakistan

Weather remained dry in West Pakistan during the month except for few falls of rain or dirzzle in the extreme north in the beginning of the first and the fourth and towards the end of the first and second weaks in association with the passage of four western disturbances. Rawalpindi recorded ½" of rain on the 6th and Drosh ½" on the 24th.

The mean actual rainfall during the month was in moderate defect in the north Punjab and in large defect in the North-West Frontier-Province. No rain fell elsewhere over the region. Averaged over the plains of West Pakistan, it was in large defect.

The mean maximum temperatures were normal over the region while the mean minimum temperatures were above normal in the Punjab and normal elsehwere.

The mean relative humidity was in excess over lower Sind and normal elsewhere over the region. Skies were more clouded than usual in the Punjab, the upper North-West Frontier Province and north Baluchistan and less clouded than usual elsewhere over West Pakistan outside the lower North-West Frontier Province where they were normally clouded.

East Pakistan

A depression moving from Andaman Sea on the 5th and weakening into a trough of low off Orissa-Circars' coast by the 11th coast by the 11th was responsible for a marked spell of wet weather over East Pakistan between the 7th and the 12th.

Weather otherwise remained dry in the region.

Some of the noteworthy amounts of rainfall recorded during the month were:— Comilla 1¼ and Faridpur 1" on the 5th; Brahmanbaria 1½" and Mymensingh 1" on the 6th; Srimangal 1½" and Mymensingh 1" on the 7th and Srimangal ½" on the 12th.

The mean actual rainfall during the month was in slight excess in the deltaic, in moderate defect in the eastern and in large defect in the northern sub-division. Averaged over the region as a whole, it was in moderate defect.

The mean maximum and minimum temperatures were normal over the region. The mean relative humidity was in defect in the northern sub-division and normal elsewhere. Skies were less clouded than usual in eastern sub-division and normally clouded in the rest of East Pakistan.

Table I contains the divisional and sub-divisional means of rainfall, temperature, relative humidity and cloud amount for the 5 chief divisions and 12 sub-divisions of Pakistan. These means are based on the observations at the stations whose monthly means are given in the subsequent tables.

TABLE I.—DIVISIONAL AND SUB-DIVISIONAL MEANS FOR NOVEMBER 1953

Division	PRECIPITATION				DEPARTURE FROM NORMAL OF				
	Actual	Normal	Departure from normal	Percentage departure from normal	Maximum temperature	Minimum temperature	03 hrs. G.M.T.		
							Vapour pressure	Relative humidity	Cloud
1	2	3	4	5	6	7	8	9	10
	"	"	"		°	°	mb.	%	
East Pakistan	0.76	1.13	—0.37	—33	+0.6	0.0	+0.2	—1	—0.3
Mean of East Pakistan	0.76	1.13	—0.37	—33	+0.6	0.0	+0.2	—1	—0.3
(1) Punjab	0.04	0.11	—0.07	—64	+0.2	+2.1	+0.1	+2	+0.6
(2) N.-W.F.P.	0.03	0.21	—0.18	—86	+0.1	+1.1	—0.1	+1	+0.4
(3) Baluchistan	0.00	0.10	—0.10	—100	+1.1	+1.4	+0.9	+1	—0.1
(4) Sind	0.00	0.07	—0.07	—100	+1.7	+1.7	+1.8	+9	—0.1
Mean of West Pakistan excluding Baluchistan	0.02	0.11	—0.09	—82	+0.7	+1.8	+0.6	+4	+0.3
East Pakistan (North)	0.30	0.59	—0.56	—95	+1.3	—1.1	—1.1	—15	—0.1
East Pakistan (East)	0.99	1.57	—0.58	—37	+0.5	—0.1	+0.4	0	—0.6
East Pakistan (Deltaic)	1.25	1.09	+0.16	+15	+0.5	+0.6	+0.5	+3	—0.1
Kashmir(*)	..	..	..	..	..	..	..	..	..
North Punjab	0.08	0.15	—0.07	—47	—0.1	+2.2	+0.2	+3	+0.9
South Punjab	0.00	0.06	—0.06	—100	+0.5	+2.0	—0.1	+2	+0.4
N.-W.F.P. (Upper)	0.04	0.31	—0.27	—87	+0.3	+1.4	+0.4	—3	+1.1
N.-W.F.P. (Lower)	0.03	0.15	—0.12	—80	—0.1	+0.9	—0.3	+3	+0.1
Baluchistan (North)	0.00	0.13	—0.13	—100	+1.5	+1.7	+0.8	—1	+0.3
Baluchistan (South)	0.00	0.05	—0.05	—100	+0.5	+1.2	+1.0	+3	—0.8
Sind (Upper)	0.00	0.03	—0.03	—100	+1.5	+1.8	+0.4	+5	+0.7
Sind (Lower)	0.00	0.11	—0.11	—100	+1.9	+1.6	+2.8	+13	—0.6

* Data incomplete.

SUB-DIVISION AND STATION	Hours of observation.	Height of bar cistern above mean sea level.	Mean Pressure: Station level reduced to standard temperature and gravity.	Mean Pressure: Departure from normal.	Mean Pressure: Reduced to standard temperature and M.S.L. or nearest GpA.m. level.	MEAN TEMPERATURE OF THE AIR AND HUMIDITY: Dry bulb.	Wet bulb.	Dew point.	Vapour pressure.	Departure from normal.	Relative humidity.	Departure from normal.	Total Cloud Amount: Mean amount.	Total Cloud Amount: Departure from normal.	Wind Direction Number of Observations From :— N	NE	E	SE	S	SW	W	NW	Calm.
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	GMT	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas										
EAST PAKISTAN (NORTH)																							
Pabna	0300					80.4	69.8	63.0	19.9	—1.5	57	—18											
Sirajganj	0000	49	1011.2		1013.0	64.3	63.6	63.1	19.8		97		1.5		0	0	0	0	0	0	0	12	18
	0300		1013.2		1014.9	74.5	69.1	65.8	22.1		75		1.4		0	2	1	1	0	0	0	16	10
	1200		1009.8		1011.4	74.0	67.2	66.4	21.9		77		1.2		0	0	0	0	0	0	0	0	30
Bogra	0000	65(x)	1011.1		1013.5	65.0	63.0	61.5	18.8		89		1.6		0	0	2	0	0	0	0	0	28
	0300	63	1013.1	0.0	x	x	x	x	x		x		1.7	+0.3	5	20	2	0	0	0	1	1	1
	1200		1009.3		x	x	x	x	x		x		1.5		0	10	1	1	0	1	1	9	7
Dinajpur	0000	123	1010.9		1015.3	61.1	59.7	58.7	16.7		91		0.6		0	0	0	0	0	0	0	0	30
	0300		1012.3	+0.9	1016.6	74.3	66.8	62.3	18.8	—0.6	65	—12	0.7	—0.6	0	1	0	0	0	0	0	0	29
	1200		1009.4		1013.7	76.9	69.0	64.4	20.6		65		0.5		0	0	0	0	0	0	0	0	30
Rangpur	0300																						
	1200																						
EAST PAKISTAN (EAST)																							
Cox's Bazar	0000	(x) 10	1011.9		1012.2	68.1	66.8	66.0	21.5		92		1.3		4	12	12	0	0	0	0	0	2
	0300	38	1013.3	+0.6	1014.6	77.5	71.4	68.0	23.2	—1.7	73	—4	1.1	—1.6	6	0	0	0	0	0	0	1	23
	1200		1010.6		1011.9	77.7	70.8	66.8	22.7		69		1.6		1	0	0	0	0	0	0	2	27
Chittagong	0000	87																					
	0300		1011.7	0.0	1014.7	76.6	70.6	63.2	23.2	—0.2	73	—8	1.9	—0.7	4	13	8	1	0	0	0	0	4
	1200		1008.6		1011.6	76.8	70.7	67.2	23.2		78		1.9		9	3	1	0	0	2	4	7	4
Noakhali (Maijdee)	0000	25	1012.2		1013.2	67.1	65.7	64.4	20.8		92		x		x								x
	0300		1013.7	—0.3	1014.6	74.4	69.7	66.6	22.6	—1.1	79	—1	x		x								x
	1200		1010.2		1011.1	75.5	70.5	67.4	22.8		77		x		x								x
Brahmanbaria	0000	32	1012.5		1013.6	67.1	65.9	65.1	21.4		95		1.6		0	1	0	0	0	0	0	0	29
	0300		1014.0		1015.1	76.8	70.7	67.1	23.2	+0.1	73	+3	1.6		2	8	2	0	1	0	0	0	17
	1200		1010.6		1011.7	78.4	71.5	67.9	22.7		69		1.7		0	0	0	0	1	0	0	1	28
Comilla	0000	29	1012.6		1013.6	66.2	65.2	64.4	20.6		94		1.7		0	0	0	0	1	0	0	0	29
	0300		1013.5	—0.4	1014.5	74.5	69.9	67.0	23.5	+0.3	79	+4	1.6	—0.1	1	1	0	0	1	0	0	1	26
	1200		1010.5		1011.5	75.9	71.7	69.3	25.0		81		1.6		1	0	2	0	0	0	0	0	27
Narayanganj	0000	26	1012.9		1013.8	66.8	65.4	64.5	20.8		92		2.3		5	0	4	0	0	0	2	1	18
	0300		1014.4	+0.4	1015.3	76.2	69.7	65.9	21.7	—0.2	71	—3	1.8	—0.3	11	4	6	0	1	1	1	3	3
	1200		1011.2		1012.1	76.8	69.8	66.1	21.9		69		1.8		0	0	0	1	0	0	0	0	29
Srimangal	0000	69	1011.1		1013.6	60.3	59.7	58.8	17.1		97		2.2		0	0	1	0	0	0	0	0	29
	0300		1012.4	—0.4	1014.9	72.1	69.0	67.3	22.9	+1.5	85	+2	2.0	0.0	0	1	2	0	0	0	0	0	27
	1200		1009.3		1012.8	72.2	70.6	69.8	24.8		93		2.1		0	0	0	1	0	0	0	0	29
Mymensingh	0000	62	1011.7		1013.9	65.9	64.8	64.1	20.6		94		1.3		0	0	1	0	0	0	0	0	29
	0300		1013.3	+0.1	1015.5	75.7	72.8	71.5	26.4	+4.6	86	+7	1.1	—0.8	0	0	5	0	0	0	0	0	25
	1200		1010.1		1012.3	77.7	72.1	68.8	24.5		77		1.6		0	0	2	0	0	0	0	0	28

(x) Observations at 0000 hrs. were taken at a distant site by P.B.O. staff.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF NOVEMBER 1953

SUB-DIVISION AND STATION	Hours of observation	Height of bar cistern above mean sea level	Mean Pressure			Mean Temperature of the Air and Humidity							Total Cloud Amount		Wind Directions Number of Observations From :—								
			Station level reduced to standard temperature and gravity	Departure from normal	Reduced to standard temperature and M.S.L. or nearest 0pm level.	Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Mean amount	Departure from normal	N	NE	E	SE	S	SW	W	NW	Calm
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	Oktas										
EAST PAKISTAN (DELTAIC)																							
Faridpur	0000		1011.5		1013.1	64.9	64.0	63.0	19.9		94		2.1		1	4	0	0	0	0	0	0	25
	0300	46	1013.2	—0.1	1014.8	74.0	69.0	65.3	21.9	0.0	77	0	2.0	+0.6	11	5	0	1	0	0	2	2	9
	1200		1010.2		1011.8	76.5	70.5	66.5	23.2		73		2.2		2	0	0	0	0	0	0	1	27
Barisal																							
... ...	0000		1013.0		1013.4	67.8	65.7	64.3	20.9		89		1.9		7	2	1	0	1	0	0	0	19
	0300	11	1014.6	+0.3	1015.0	74.5	69.1	65.9	22.1	—1.2	75	0	1.1	—0.7	9	9	0	1	2	0	0	1	8
	1200		1011.1		1011.5	79.5	70.8	66.0	21.6		66		1.3		5	5	0	0	0	0	0	4	16
Khulna	0000		1012.7		1013.3	66.7	64.6	62.7	20.2		89		1.8		5	2	1	0	0	0	0	4	18
	0300	16	1014.9	+0.2	1015.5	73.8	68.4	65.0	21.8	+1.2	74	+7	1.5	—0.7	5	14	1	1	1	0	0	3	5
	1200		1011.3		1011.9	77.0	69.5	64.7	21.2		67		2.2		1	2	2	0	0	0	0	6	19
Jessore	0000		1012.2		1013.1	62.5	61.6	60.8	18.5		94		1.8		1	2	0	0	0	0	0	0	27
	0300	26	1014.0	—0.4	1014.9	71.8	68.2	66.0	22.2	+1.3	83	+9	1.7	+0.1	6	9	1	1	0	0	0	3	10
	1200		1010.6		1011.5	77.3	71.7	68.3	23.9		75		1.9		1	0	1	1	0	0	0	0	27
Satkhira	0000		1012.4		1013.0	65.2 (b)	63.6 (b)	62.5 (b)	19.3 (b)		92 (b)		2.8		3	2	0	0	0	0	0	0	25
	0300	16	1014.1	—0.4	1014.7	73.8	68.2	64.7	21.8	+1.0	74	+1	2.3	+0.1	9	1	1	3	0	1	0	8	7
	1200		1010.3		1010.0	79.2	71.3	66.5	22.3		66		2.7		3	1	0	0	0	0	0	1	25
KASHMIR																							
Srinagar (X)	0000	5205																					
	0300																						
	1200																						
Gulmarg (X)	0000	8709																					
	0300																						
	1200																						
Dras (X)	0000	10059																					
	0300																						
	1200																						
Leh (X)	0000	11529																					
	0300																						
	1200																						
Skardu (X)	0000	7505																					
	0300																						
	1200																						
Gilgit (X)	0000	4890																					
	0300																						
	1200																						
Misgar	0000	10190	700.3		709.7	26.0	23.3	18.3	3.3		72		4.3		0	0	0	0	0	0	0	0	30
	0300		699.9	—	709.4	25.7	23.2	18.5	3.4	—	74	—	4.6	—	0	0	1	0	0	0	1	0	28
	1200		698.6		707.9	35.4	29.1	17.9	3.5		50		5.4		0	0	17	0	0	0	0	0	13

(x) Data not available. (b) Mean for 29 days.

SUB-DIVISION AND STATION	Hours of observation	Height of bar cistern above mean sea level	Mean Pressure			Mean Temperature of the Air and Humidity							Total Cloud Amount		Wind Directions Number of Observations From :—								
			Station level reduced to standard temperature and gravity	Departure from normal	Reduced to standard temperature and M.S.L. or nearest Gpm. level.	Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Mean amount	Departure from normal	N	NE	E	SE	S	SW	W	NW	Calm.
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
KASHMIR—contd.																							
Jammu (X)	0000																						
	0300																						
	1200																						
Kargil (X)	0000																						
	0300																						
	1200																						
NORTH PUNJAB																							
Lahore	0000	702	990.1		1015.7	51.8	49.3	46.4	10.8		83		0.5		0	1	1	0	0	0	0	1	27
	0300		991.6	+0.3	1017.0	56.0	51.2	46.6	10.7	—0.1	69	+6	1.7	—0.2	1	1	1	0	0	0	1	2	24
	1200		989.7		1014.2	74.8	62.2	51 6	13.4		46		2.2		0	0	1	0	0	0	0	3	26
Sialkot	0000	830	985.4		1015.3	55.7	50.8	45.8	10.5		69		1.4		0	15	0	0	0	0	0	1	14
	0300		986.8	—0.3	1016.6	58.7	52.4	46.6	10.7	—0.3	63	—9	2.1	+1.2	1	8	3	0	0	1	0	3	14
	1200		984.8		1013 8	72.3	60.7	51.5	12.9		48		3.7		1	2	0	0	0	0	0	1	26
Jhelum	0000	765	988.2		1016 2	50.4	46.8	42.5	9.3		72		1.3		1	1	0	0	0	0	1	3	24
	0300		989.9	—	1017.7	54.9	49.4	43.4	9.6	—	64	—	2.6	—	0	2	0	2	0	0	1	2	23
	1200		987.5		1014.3	72.8	59.0	46.3	10.9		40		2.7		0	0	0	2	0	2	3	3	20
Rawalpindi	0000	1676	956.9		898.5	48.3	44.2	39.8	8.2		72		x		0	0	0	0	0	0	4	0	26
	0300		958.3	0.0	900.3	52.3	46.9	40.6	8.8	+0.4	65	+3	2.3	+1.1	0	0	0	0	0	0	2	0	28
	1200		953.8		897.8	67.7	54.8	42.8	9.4		41		2.7		0	0	0	0	1	0	6	0	23
Khushab	0000	616	993.4		1015.9	52.0	47.2	41.6	9.0		67		0.4		3	6	2	2	2	1	2	2	10
	0300		994.9	—0.2	1017.1	58.2	50.4	41.6	9.0	+0.7	54	+3	1.7	+0.6	0	8	3	1	5	1	1	1	10
	1200		992.4		1013.8	78 4	59.7	41.3	9.1		27		1.9		2	4	6	4	1	1	1	2	9
Lyallpur	0000	605	993.4		1015.4	52.4	49.4	46.2	10.7		79		1.7		0	2	2	2	1	1	2	1	19
	0300		994.8	+0.1	1016.8	53.9	50.0	46.2	10.5	+0.4	74	+12	2.1	+0.8	1	3	1	4	3	2	2	1	13
	1200		993.0		1014.2	67.7	61.4	48.1	11.6		37		2.1		2	0	0	1	2	2	4	1	18
SOUTH PUNJAB																							
Montgomery	0000	558	995 6		1015.9	53.1	50.2	47.2	11.0		80		0.3		0	0	0	1	2	15	0	0	12
	0300		996.0	—0.6	1016.1	58.0	52.2	45.7	10.7	—0.4	64	0	0.8	0.0	0	0	1	1	1	12	2	1	12
	1200		994.3		1013.7	78.0	66.3	58.2	17.2		52		1.5		0	0	0	0	1	15	0	0	14
Multan	0300	413	1002.2	+0.6	1017.0	62.5	54.9	47.9	11.3	—0 8	59	—3	1.8	+1.0	10	0	1	1	4	3	3	2	6
	1200		999.5		1013.8	79.5	64.1	52.2	13.5		39		2.0		3	1	4	3	2	6	4	2	5
Fort Abbas	0000	475	996.3		1013.6	52.3	48.1	43.2	9.6		72		0.0		1	2	2	2	1	3	0	2	17
	0300		998.6	—	1015.6	63.8	51.9	37.0	7.9	—	38	—	0.0	—	0	6	1	5	2	5	0	1	10
	1200		995.5		1011.9	83.4	62.4	43.1	9.8		25		0 0		3	1	0	0	0	4	6	7	9

(X) Data not available.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF NOVEMBER 1953

SUB-DIVISION AND STATION	Hours of observation	Height of barometer cistern above mean sea level	MEAN PRESSURE: Station level reduced to standard temperature and gravity.	MEAN PRESSURE: Departure from normal	MEAN PRESSURE: Reduced to standard temperature and M.S.L. or nearest Gpm level.	MEAN TEMPERATURE OF THE AIR AND HUMIDITY: Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	TOTAL CLOUD AMOUNT: Mean amount	Departure from normal	WIND DIRECTIONS NUMBER OF OBSERVATIONS FROM:— N	NE	E	SE	S	SW	W	NW	Calm
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
SOUTH PUNJAB—contd.																							
Bahawalpur	0300	384	1002.5	+0.2	1016.3	55.7	50.7	45.2	10.4	—0.4	69	+8	0.9	0.0	0	8	1	1	1	5	0	0	14
	1200		1000.1		1013.5	80.4	64.9	52.6	14.0		39		0.8		0	4	0	1	0	4	1	0	20
Khanpur	0300	297	1006.0	+0.7	1016.7	61.8	54.2	47.1	10.9	+1.2	59	+2	1.1	+0.5	4	3	2	2	5	4	1	0	9
	1200		1003.2		1013.5	81.9	65.3	54.1	13.8		37		1.5		2	6	1	0	0	4	1	0	16
N.-W.F.P. (Upper)																							
Chakdara	0000	2225	938.4		901.4	49.3	44.5	38.5	8.1		67		0.4		1	19	3	0	0	1	0	1	5
	0300		940.0	—	902.7	49.8	45.4	40.2	8.6	—	70	—	2.9	—	3	7	1	0	0	0	1	2	16
	1200		937.3		901.5	66.3	56.1	47.6	11.3		51		3.2		1	2	1	1	3	8	0	0	14
Peshawar	0000	1175	974.9		1017.3	52.9	45.5	34.8	7.1		51		2.4		0	0	0	2	10	14	0	6	4
	0300		976.2	0.0	1018.5	55.0	47.2	36.8	7.6	+0.4	50	—3	3.3	+1.1	0	0	0	2	6	9	0	0	13
	1200		974.0		1014.9	70.2	57.0	43.5	10.0		40		3.9		1	6	2	1	0	0	0	2	18
Landikotal	0000	3503	896.8		904.2	45.9	40.3	31.9	6.3		60		1.6		0	0	0	0	0	0	0	1	29
	0300		897.8	—	905.1	49.0	42.3	32.7	6.5	—	56	—	2.5	—	4	3	1	0	0	0	0	2	20
	1200		896.5		903.6	63.1	49.8	34.0	6.9		34		3.1		3	3	0	4	0	2	2	10	6
N.-W.F.P. (Lower)																							
Bannu	0000	1264	971.3		1016.7	53.4	47.2	38.5	8.3		59		0.3		3	1	0	0	0	4	12	9	1
	0300		972.4	—	1017.8	54.2	48.4	41.1	9.0	+0.9	63	+11	0.8	—0.2	1	0	2	0	0	1	16	10	0
	1200		970.3		1014.0	73.5	60.2	48.2	11.9		42		0.5		1	2	7	11	4	1	1	0	3
Miranshah (R)	0000	3026																					
	0300																						
	1200																						
D. I. Khan	0000	570	994.4		1015.2	53.0	47.7	41.9	8.9		64		0.4		4	4	1	0	1	0	1	2	17
	0300		997.0	+0.7	1017.8	52.6	46.8	39.8	8.3	—1.6	60	—6	1.4	+0.4	1	4	1	0	0	1	2	3	18
	1200		993.6		1013.4	76.7	60.8	47.0	11.0		35		0.5		0	9	0	3	1	0	1	0	16
HILL STATIONS (excluding Kashmir & Baluchistan)																							
Murree	0000	7113	785.8		802.0	45.7	36.7	22.5	4.2		41		2.2		0	3	3	13	0	2	0	9	0
	0300		787.3	—0.2	803.4	47.7	38.0	23.3	4.3	—0.2	39	—1	3.5	+1.9	2	3	7	9	2	0	5	0	2
	1200		786.5		802.5	49.2	40.4	28.9	5.4		46		4.4		1	5	6	4	1	2	4	7	0
Cherat	0000	4272	872.3		904.1	54.1	44.3	31.6	6.0		42		2.7		2	1	0	10	0	0	0	9	8
	0300		873.0	—0.5	904.9	54.4	44.8	31.1	6.4	+0.7	43	—1	2.4	+1.0	8	1	0	5	0	0	1	12	3
	1200		872.4		903.7	61.0	48.7	32.8	6.8		37		3.2		7	2	0	2	1	0	0	10	8
Drosh ... ... —	0000	4806	858.3		907.6	46.0	39.0	27.4	5.3		50		2.3		0	1	0	4	0	0	1	0	24
	0300		859.5	+0.3	908.8	46.5	39.1	26.4	5.1	0.0	47	—6	3.7	+2.0	0	2	1	0	1	2	0	0	24
	1200		856.5		904.4	58.1	43.9	20.3	4.1		24		5.0		0	2	0	5	2	5	1	0	15

(R) Register not received.

SUB-DIVISION AND STATION	Hours of observation.	Height of bar cistern above mean sea level.	MEAN PRESSURE: Station level reduced to standard temperature and gravity.	MEAN PRESSURE: Departure from normal.	MEAN PRESSURE: Reduced to standard temperature and M.S.L. or nearest Gpm. level.	MEAN TEMPERATURE OF THE AIR AND HUMIDITY: Dry bulb.	Wet bulb.	Dew point.	Vapour pressure.	Departure from normal.	Relative humidity.	Departure from normal.	TOTAL CLOUD AMOUNT: Mean amount.	Departure from normal.	WIND DIRECTION NUMBER OF OBSERVATIONS FROM :— N	NE	E	SE	S	SW	W	NW	Calm.
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
HILL STATIONS (excluding Kashmir and Baluchistan)—contd.	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	okta	as									
Parachinar	0000	5673	830.0		802.1	43.3	37.6	29.8	5.6		60		1.7		19	2	0	0	0	0	0	5	4
	0300		829.7	—0.3	801.9	46.6	40.3	32.4	6.2	+1.1	57	+9	2.4	+0.9	3	1	1	0	0	0	0	5	20
	1200		828 9		801.8	58.5	47.2	35.2	7.1		42		3.7		0	3	13	6	2	1	0	1	4
Wana	0300	4503	862.7	—	901.7	52.6	45.2	35.6	7.3	+3.1	54	+1	0.6	—0.2	0	0	0	1	2	7	0	1	19
	1200		861.2		899.8	58.0	47.5	33.9	7.0		42		0.9		0	3	1	3	0	2	0	1	20
AFGHANISTAN																							
Jalalabad	0300	1950	946.4	—	899.5	55.6	46.6	35.6	7.2	—	48	—	2.4	—	0	0	0	0	0	1	4	0	25
	1200		943.9		898.5	71.5	59.5	50.3	12.5		47		3.3		0	1	4	0	2	0	0	0	23
Kabul	0300	5955	824.7	—	805.8	38.2	33.2	25.1	4.7	+1.1	59	+2	3.5	+1.5	2	1	1	1	5	7	6	4	3
	1200		823.3		805.2	57.6	44.9	29.7	5.6		35		4.3		7	7	3	2	2	1	1	2	5
Kandhar	0300	3462	898.7	—	904.9	39.7	35.5	28.1	5.4	—	64	—	2.0	—	0	1	0	0	0	0	0	0	29
	1200		896.3		902.1	66.1	52.0	36.3	7.6		35		2.2		0	0	0	0	0	10	0	0	20
BALUCHISTAN (NORTH)																							
Fort Sandeman	0300	4614	860.9	—2.5	903.7	49.9	38.4	16.8	3.4	—0.7	27	—28	2.1	+1.1	0	0	1	0	1	0	0	0	28
	1200		860.2		901.3	69.2	48.8	17.7	3.4		14		2.0		2	0	0	0	0	1	4	0	23
Hindubagh	0000	5909	824.0		804.1	44.6	40.5	35.3	7.1		72		0.0		0	0	1	0	1	5	15	6	2
	0300		825.4	—	805.5	46.1	41.3	35.5	7.0	—	66	—	2.4	—	0	0	0	0	1	5	19	5	0
	1200		823.4		804.2	62.8	53.5	45.0	10.6		54		2.6		0	0	3	3	0	20	2	2	0
Loralai	0000	4699	859.2		905.3	43.3	35.6	21.0	4.1		43		0.7		0	0	0	3	5	15	6	0	1
	0300		860.8	—	906.7	46.7	38.0	22.8	4.5	—	41	—	0.9	—	0	0	0	1	0	13	3	1	2
	1200		858.2		902.2	66.0	49.6	27.0	5.3		24		1.8		0	0	0	9	5	8	1	1	6
Sibi	0000	441	997.8		1013.9	54.8	48.3	40.8	8.7		59		0.3		0	0	0	0	0	0	0	0	30
	0300		999.4	—0.4	1015.3	59.9	53.3	46.9	11.1	+4.7	62	+26	0.8	—0.4	0	0	0	0	0	1	0	0	29
	1200		997.7		1012.7	83.9	71.6	64.6	20.7		52		0.5		1	0	0	6	4	3	1	0	15
Quetta	0300	5490	837.3	—0.2	804.9	45.0	39.5	32.7	6.3	+1.9	63	+8	2.2	+1.0	0	1	0	1	3	0	0	1	24
	1200		835.1		803.5	62.1	48.4	34.1	6.8		36		3.1		9	1	0	0	2	2	2	6	8
Quetta (Samungli)	0000	5253	845.8		804.7	35.0	31.4	27.0	4.8		69		1.5		0	0	5	9	0	6	1	0	9
	0300		847.1	—	806.3	37.6	33.1	26.3	4.9	—	63		2.7	—	0	0	2	6	1	1	0	0	20
	1200		845.0		806.1	62.8	48.4	31.4	6.5		33		2.9		4	0	1	1	0	4	9	7	4
Chaman	0000	4311	873.2		906.4	49.4	41.0	28.5	5.2		43		0.7		0	0	15	6	1	0	0	0	8
	0300		874.1	+0.7	907.5	51.1	42.3	30.4	5.5	+0.6	43	+1	0.5	—0.5	0	0	9	3	1	0	0	0	17
	1200		872.4		904.6	66.9	51.3	33.8	6.8		30		0.8		1	0	0	0	3	3	11	4	8
Nushki	0000	3416	906.6		910.9	56.1	43.1	23.3	4.3		27		0.0		4	19	5	0	1	0	0	0	1
	0300		908.4	—	912.6	57.1	43.9	24.5	4.6	—	28	—	0.4		5	15	3	2	0	2	1	2	0
	1200		906.6		910.6	74.8	53.3	28.3	5.3		17		0.7		4	1	0	0	0	10	5	10	8

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF NOVEMBER 1953

DIVISION AND STATION	Hours of observation.	Height of bar cistern above mean sea level.	Mean Pressure: Station level reduced to standard temperature and gravity.	Mean Pressure: Departure from normal.	Mean Pressure: Reduced to standard temperature and M.S.L. or nearest Gpm. level.	Mean Temperature of the Air and Humidity: Dry bulb.	Wet bulb.	Dew point.	Vapour pressure.	Departure from normal.	Relative humidity.	Departure from normal.	Total Cloud Amount: Mean amount.	Departure from normal.	Wind Direction Number of Observations From :— N	NE	E	SE	S	SW	W	NW	Calm
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas										
BALUCHISTAN (NORTH)—contd.																							
Kalat	0000	6616	801.6		803.2	33.8	28.0	16.1	3.4		47		0.0		2	1	0	0	2	0	0	0	25
	0300		802.2	—1.1	803.8	35.7	29.5	18.0	3.5	0.0	50	+2	0.0	—1.0	0	0	0	0	9	3	0	0	18
	1200		801.6		803.1	62.2	48.5	34.6	6.8		36		0.0		7	11	1	2	3	0	1	0	5
Daibandin	0000	2785	922.0		905.1	48.0	39.9	27.3	5.2		45		2.0		1	15	2	0	0	0	0	0	12
	0300		923.5	+1.1	906.6	47.4	38.7	24.1	4.5	—0.4	41	—6	2.4	+1.4	2	13	3	0	0	0	1	0	11
	1200		920.8		904.8	75.1	55.1	32.5	6.7		23		2.2		0	10	10	0	0	3	1	0	6
Nokkundi	0000	2229	939.5		904.1	55.5	43.6	26.4	4.9		31		0.0		12	5	1	0	0	1	1	9	1
	0300		941.5	—	905.9	56.2	44.8	28.1	5.4	—0.3	35	—7	2.5	+0.9	9	7	4	1	0	0	0	6	3
	1200		938.6		904.9	79.3	60.4	43.9	10.0		29		2.5		4	2	5	8	5	2	1	3	0
BALUCHISTAN (South)																							
Lasbela	0000	292	1005.2		1013.5	60.6	55.9	51.0	13.6		74		0.0		0	0	0	0	0	0	0	0	30
	0300		1006.6	+1.2	1017.0	66.8	58.6	50.6	13.5	+1.9	60	+9	0.0	—0.6	0	2	0	1	0	0	0	3	24
	1200		1003.1		1013.0	91.2	67.1	53.8	11.8		24		0.0		0	0	0	7	5	12	0	2	4
Ormara	0000	15	1013.8		1014.3	68.2	64.8	62.2	19.1		82		0.0		0	1	5	0	0	0	5	0	19
	0300		1015.6	—	1016.1	68.7	64.1	60.2	18.7	+0.9	77	+4	0.4	—0.8	0	0	5	1	2	0	2	1	19
	1200		1012.9		1013.4	81.6	73.8	69.6	25.1		67		0.0		0	0	2	1	4	0	22	1	0
Pasni	0000	10	1014.9		1015.3	64.8	63.4	61.9	19.3		92		0.0		7	1	1	0	0	1	8	12	0
	0300		1015.8	+0.3	1016.2	65.8	61.7	57.6	17.2	+2.0	79	+10	0.0	—1.0	6	1	1	0	0	1	12	9	0
	1200		1013.5		1013.8	82.8	73.6	67.5	24.6		64		0.0		0	1	1	3	7	16	2	0	0
Turbat	0000	510	998.7		1017.0	63.3	51.7	31.8	7.9	—	39		0.2		1	14	0	14	0	0	0	1	0
	0300		1000.3	—	1018.3	68.1	55.5	39.7	9.5		40	—	0.2		0	11	2	10	0	0	0	1	6
	1200		996.0		1013.9	90.2	66.3	45.2	11.0		23		0.9	—	0	7	0	0	2	4	10	7	0
Panjgur	0000	3177	908.7		905.1	51.7	42.5	29.5	5.8		44		0.0		1	25	0	0	0	2	0	2	0
	0300		909.8	+1.1	906.2	51.3	41.4	25.9	4.7	—0.7	37	—12	0.0	—0.9	9	21	0	0	0	0	0	0	0
	1200		907.1		903.7	75.6	54.1	28.1	5.6		19		0.0		2	3	0	0	0	10	5	10	0
SIND (Upper)																							
Reti	0000	280	1006.9		1017.7	57.5	55.1	53.1	13.6		84		0.0		0	0	0	0	0	0	0	0	30
	0300		1008.3		1018.4	57.9	55.2	52.8	13.8		85		0.0		0	4	0	1	0	7	0	1	17
	1200		1005.8		1015.5	84.2	77.0	71.0	28.5		71		0.0		1	5	0	0	1	5	5	3	10
Jacobabad	0000	183	1008.0		1014.7	60.5	54.0	47.6	11.3		63		0.8		3	2	1	3	1	0	1	5	14
	0300		1010.0	+0.4	1016.7	62.6	55.0	47.3	11.7	+0.5	59	+1	1.5	+0.8	1	4	2	2	1	0	7	2	11
	1200		1007.0		1013.4	84.7	66.8	53.5	14.5		35		2.1		3	1	1	6	5	2	4	5	3
Sukkur	0300	221	1008.3	+0.2	1016.3	62.2	56.2	50.5	12.4	+0.3	66	+8	1.1	+0.5	1	4	5	9	3	1	0	1	6
	1200		1005.8		1013.4	82.9	65.2	51.3	14.2		35		1.7		7	8	0	0	1	5	0	0	9
Padidan	0000	153	1009.1		1014.3	56.4	52.6	48.7	11.4		75		0.1		2	1	0	1	0	0	0	0	26
	0300		1010.9	—	1016.4	58.4	53.2	47.9	11.5	—	70	—	0.8	—	0	2	1	0	0	0	2	0	25
	1200		1008.3		1013.6	85.5	65.8	50.9	12.7		31		1.2		11	1	0	0	2	0	0	0	16

SUB-DIVISION AND STATION	Hours of observation.	Height of bar cistern above mean sea level.	Mean Pressure: Station level reduced to standard temperature and gravity.	Mean Pressure: Departure from normal.	Mean Pressure: Reduced to standard temperature and M.S.L. or nearest Gpm level.	Mean Temperature of the Air and Humidity: Dry bulb.	Wet bulb.	Dew point.	Vapour pressure.	Departure from normal.	Relative humidity.	Departure from normal.	Total Cloud Amount: Mean amount.	Departure from normal.	Wind Direction Number of Observations From :— N	NE	E	SE	S	SW	W	NW	Calm.
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	G.M.T.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%		oktas										
SIND—(Lower)																							
Umarkot	0000 (j)	55	1011.4 (j)		1013.4 (j)	60.7 (j)	57.3 (j)	53.8 (j)	14.6 (j)		80 (j)		0.0 (j)		1	2	1	0	4	1	0	0 (j)	12
	0300 (j)		1013.2 (j)		1015.2 (j)	65.5 (j)	60.2 (j)	56.0 (j)	14.9 (j)	—	71 (j)	—	0.0 (j)	—	2	2	1	0	3	3	0	0 (j)	10
	1200 (i)		1010.4 (i)		1012.3 (i)	87.3 (i)	70.7 (i)	62.0 (i)	18.0 (i)		41 (i)		0.0 (i)		1	0	0	0	0	1	1	3 (i)	16
Chhor	0000	19	1013.1		1013.8	55.7	52.3	48.1	11.9		78		0.3		0	0	0	0	0	1	0	0	29
	0300		1015.1	—	1015.8	62.3	56.2	49.1	12.6		66		1.6		1	2	0	0	1	4	1	0	21
	1200		1012.1		1012.8	86.9	67.2	52.3	14.2		33		0.9		0	0	0	0	0	5	0	1	24
Hyderabad	0000	96	1010.7		1014.2	63.2	57.8	52.8	13.7		69		0.2		10	2	0	0	0	8	0	0	10
	0300		1012.3	0.0	1015.8	64.7	58.4	52.5	13.8	+1.8	65	+10	0.3	—0.5	12	1	0	1	0	8	0	0	8
	1200		1009.6		1012.9	86.5	65.9	51.9	12.6		30		0.5		9	4	0	0	0	7	0	0	10
Karachi (Airport)	0000	73	1011.8		1014.5	64.3	59.0	53.5	14.3		70		0.3		5	0	0	0	0	0	1	0	24
	0300		1013.5		1016.3	67.0	60.8	54.7	15.6		69		0.7		1	0	0	0	0	0	1	0	28
	1200		1010.7		1013.3	84.3	68.1	56.9	16.2		40		0.5		0	0	0	1	2	16	8	0	3
Karachi (Manora)	0000	13	1014.2		1014.7	71.6	66.6	63.0	19.8		75		0.8		1	5	0	0	0	1	2	1	20
	0300		1015.5	+0.3	1016.0	72.9	67.6	63.9	20.5	+4.5	74	+8	1.0	—0.2	0	7	2	0	0	2	3	1	15
	1200		1013.1		1013.6	82.1	73.7	69.1	24.3		65		0.8		1	0	1	0	0	11	16	1	0
Badin	0000	31	1012.8		1013.9	62.1	58.7	55.6	15.2		80		0.0		7	0	0	1	0	3	0	1	18
	0300		1014.8	+1.0	1015.9	62.9	59.3	56.1	15.8	+2.0	80	+20	0.0	—1.0	9	0	0	0	0	3	0	1	17
	1200		1012.0		1013.0	88.7	69.4	56.6	15.8		34		0.0		2	0	0	0	1	1	0	0	23
IRAN																							
Jask	0300	13	1015.7		1016.1	73.1	69.6	67.7	23.5		83		0.9	—0.5	6	5	16	0	0	0	3	0	0
	1200		1014.2		1014.6	84.7	76.6	72.1	28.3		68		0.8		0	0	1	1	1	10	16	0	1
ARABIA																							
Muscat	0300	20	1016.1		1016.5	74.3	67.7	63.8	20.5		70		0.4	—0.9	0	0	0	4	0	0	0	15	11
	1200		1014.3		1014.8	80.0	72.7	69.0	24.3		68		1.0		1	1	6	8	0	0	0	13	1
Kuwait*	0600	16	1018.6		1019.2	69.7	59.2	50.9	12.7		50		1.0 (b)		3	0	0	1	7	0	2	15 (b)	1
	1200		1016.3		1016.9	73.6	62.5	54.6	14.7		51		0.9 (d)		3	2	1	6	0	0	1	9 (d)	5

* Observations recorded at 0600 hrs. G.M.T. instead of 0300 hrs. G.M.T.

(b) Mean for 29 days. (d) Mean for 27 days. (i) Mean for 22 days. (j) Mean for 21 days.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF NOVEMBER 1953.

SUB-DIVISION AND STATION	Maximum Temperature of the air °F				Minimum Temperature of the air °F				Precipitation (inches)						Wind Velocity (knots)		Weather Number of Day				
	Mean.	Departure from normal.	Highest.	Date.	Mean.	Departure from normal.	Lowest.	Date.	Total of the month.	Departure from normal.	Heaviest fall in 24 hours.	Date.	Days with 0.10 inch or more.	Departure from normal.	Mean.	Departure from normal.	Thunder heard.	Hail.	Visibility Code Figure 93 or less: Fog.	Haze (dust).	Dust Storm.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
EAST PAKISTAN (NORTH)																					
Pabna	86.2	+0 7	92	1	61.8	—1.3	54	24,25,26	0.00	—0.70	0.00	0	0	—1.0	x						
Rajshahi									0.00	—0.53	0.00	0	0	—0.8							
Sirajganj	84.8		89	4 days	63.6		54	18	0.13	—0.56	0.08	12	0	—0.8	1.7						
Bogra	x	x	x	x	x	x	x	x	0.07	—0.70	0.07	12	0	—0.8	1.8	+0.9					
Dinajpur	84.5	+2.0	89	4,14	60.2	—0.8	50	19	0.00	—0.44	0.00	0	0	—0.6	0.6	—0.5			2		
Rangpur	x	x	x	x	x	x	x	x	0.00	—0.40	0.00	0	0	—0.5							
EAST PAKISTAN (EAST)																					
Cox's Bazar	85.6	+1.2	93	10	66.4	—0.7	56	20	0.62	—2.64	0.35	8	2	—1.1	1.4	+0.3					
Chittagong	84.8	+1.2	89	7,8,12	64.8	—0.7	55	18	0.48	—1.69	0.24	7,8	2	0.0	2.5	—0.6					
Noakhali (Maijdee)	83.2	—0.1	87	7,12	66.0	—1.3	56	19	1.78	+0.25	1.16	8	3	+1.1	x						
Barhmanbaria	84.9	—0.3	91	1	66.0	+0.4	58	17	0.87	—0.17	0.60	9	3	+1.5	1.4						
Comilla	85.2	+1.2	90	1,6	65.2	+1.1	57	17,18	1.64	+0.35	0.72	8	3	—1.4	0.4	—0.7			4		
Narayanganj	86.1	+2.2	91	1	66.1	0	56	18	1.29	+0.34	0.61	9	3	+1.7	1.3	+0.2			5		
Srimangal	83.8	—1.7	87	2,6,14	59.4	—0.2	50	28	1.10	—0.31	0.39	8,12	4	+2.3	0.1	—1.1			4		
Mymensingh	82.9	0.0	86	27	64.8	+0.3	56	18,21	0.13	—0.75	0.13	8	1	0.0	2.0	+1.4					
EAST PAKISTAN (DELTAIC)																					
Faridpur	83.4	+1.1	88	1.12	64.2	+0.2	54	18	1.41	+0.31	1.04	9	2	+0.6	x	x			3		
Barisal	84.4	+1.2	89	1	65.4	+0.8	57	20	0.95	—0.59	0.81	8	2	+0.3	x	x					
Khulna	85.0	+1.5	92	1	66.0	+0.4	57	18	1.32	+0.20	0.69	8	3	+1.2	1.6	0.0					
Jessore	84.0	—0.2	89	1	62.0	+1.2	53	17.18,19	0.80	—0.15	0.42	8	3	+1.9	1.8	+0.8					
Satkhira	84.0	—1.2	89	1	63.8	+0.6	53	1	1.78	+1.04	1.49	9	2	+0.8	1.2	+0.3					

(x) Data not available.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF NOVEMBER 1953.

SUB-DIVISION AND STATION	Maximum Temperature of the Air °F				Minimum Temperature of the Air °F				PRECIPITATION (INCHES)						Wind Velocity (knots)		WEATHER Number of Day				
	Mean.	Departure from normal.	Highest.	Date.	Mean.	Departure from normal.	Lowest.	Date.	Total of the month.	Departure from normal.	Heaviest fall in 24 hours.	Date.	Days with 0.10 inch or more.	Departure from normal.	Mean.	Departure from normal.	Thunder heard.	Hail.	Visibility Code Figure 93 or less: Fog.	Visibility Code Figure 93 or less: Haze (dust)	Visibility Code Figure 93 or less: Dust Storms.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
KASHMIR																					
Srinagar (x)																					
Gulmarg (x)																					
Dros (x)																					
Leh (x)																					
Skardu (x)																					
Gilgit (x)																					
Misgar	40.3	—	52	30	*	—	*	—	0.00	—	0.00	—	0	—	3.4	—	0	0	0	0	0
Jammu (x)																					
Kargil (x)																					
NORTH PUNJAB																					
Lahore	82.0	—0.9	89	2,4	50.0	+2.7	43	18	0.03	—0.07	0.03	7	0	—0.3	1.4	+0.6	1	0	0	0	0
Sialkot	81.1	+0.5	90	1	53.5	+4.4	48	17,18	0.01	—0.07	0.01	7	1	+0.6	1.1	+0.5	2	0	0	0	0
Jhelum	81 3	—	89	3	47.4	—	39	18	0.01	—	0.01	25	0	—	1.3	—	1	0	0	0	0
Rawalpindi	78.3	+0.6	85	4	46 1	+1.7	39	18	0.00	—0.28	0.00	—	0	—0.5	1.1	0.0	1	0	0	0	0
Khushab	82.4	—0.4	90	1	50.7	+0.9	44	27	0.21	+0.13	0.21	7	1	+0.8	2.4	+0.4	0	0	0	0	0
Lyallpur	81.7	—0.3	88	3,4	50.6	+1.5	45	16,18,27	0.04	—0.07	0.04	7	0	—0.2	1.8	+0.7	1	0	1	0	1
SOUTH PUNJAB																					
Montgomery	83.5	+0.1	92	2	51.9	+0.3	46	27	0.00	—0.05	0.00	—	0	—0.2	1.3	—0.4	0	0	0	0	0
Multan	83.0	+0.1	91	4	55.0	+4.1	48	14	0.00	—0.06	0.00	—	0	—0.1	1.7	+0.8	0	0	0	0	0
Fort Abbas	86.8	—	100	2	50.0	—	44	16,17,18	0.00	—	0.00	—	0	—	3.2	—	0	0	0	0	0
Bahawalpur	85.9	+0.5	97	4	52.8	+2.2	46	16,18	0.00	—0.01	0.00	—	0	0	1.6	+0.3	0	0	0	0	0
Khanpur	88.5	+1.5	99	1,2	52.0	+1.5	47	16	0.00	—0.12	0.00	—	0	—0.1	2.9	+0.1	0	0	0	0	0
N.-W. F. P. (Upper)																					
Cnakdara	72.6	—	82	1,2,3	45.3	—	40	19	0.87	—	0.87	7	1	—	3.7	—	1	0	0	0	0
Peshawar	77.1	+0.3	85	1	50.3	+1.4	45	12,13	0.04	—0.27	0.02	7,8	0	—0.6	2.2	+1.3	2	0	0	0	0
Landikotal	67.5	—	78	2	42.3	—	37	16	0.12	—	0.11	7	1	—	1.7	—	0	0	0	0	0
N.-W.F.P. (Lower)																					
Bannu	79.2	—1.0	87	1	50.9	+1.0	45	17	0.05	—0.11	0.05	24	0	—0.2	2.2	—	0	0	0	0	0
Miranshah (R)																					
D. I. Khan	82.8	+0.9	90	1	49.6	+0.9	44	14,18,19	0.00	—0.15	0.00	—	0	—0.3	1.7	+1.2	0	0	0	0	0
HILL STATIONS (excluding Kashmir & Baluchistan)																					
Murree	57.9	—1.6	65	1	42.8	+1.8	35	13	0.09	—0.64	0.05	7	0	—1.2	6.4	+3.1	2	0	0	0	0
Cherat	65.6	+0.2	72	2,19	50.0	+0.3	44	13,14	0.31	—0.06	0.14	8	1	+0.4	8.2	+2.1	0	0	0	0	0
Drosh	62.6	—1.5	73	2	44.1	+0.5	39	13,14	0.99	+0.65	0.57	24	3	+1.8	2.1	+0.5	1	0	0	0	0
Parachinar	65.4	+0.7	75	30	41 2	+1.9	32	13	0.38	—0 02	0.32	24	1	—0.2	3.1	+1.3	0	0	0	0	0
Wana	72.3	+2.2	77	3	31.8	—3.7	28	6 days	0.00	—0.07	0.00	—	0	—0.2	1.8	—	0	0	0	0	0

(x) Data not available.
(R) Register not received.

(*) Data rejected.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF NOVEMBER 1953

SUB-DIVISION AND STATION	Maximum Temperature of the Air °F				Minimum Temperature of the Air °F				Precipitation (inches)						Wind Velocity (knots)		Weather Number of Days				
	Mean.	Departure from normal.	Highest.	Date.	Mean.	Departure from normal.	Lowest.	Date.	Total of the month.	Departure from normal.	Heaviest fall in 24 hours.	Date.	Days with 0.10 inch or more.	Departure from normal.	Mean.	Departure from normal.	Thunder heard.	Hail.	Visibility Code Figure 93 or less: Fog.	Haze (dust)	Dust Storm.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
AFGHANISTAN																					
Jalalabad	75.0	—	85	1	45.2	—	39	11	0.00	—	0.00	—	0	—	1.7	—	0	0	0	0	0
Kabul	61.4	+0.3	73	19	33.6	+1.3	25	13	0.24	—0.36	0.11	24	1	—0.5	2.7	+0.9	1	0	0	0	0
Kandhar	72.4	—	82	1	36.3	—	26	11,13	0.00	—	0.00	—	0	—	0.8	—	0	0	0	0	0
BALUCHISTAN (North)																					
Fort Sandaman	72.3	+0.9	79	3,30	43.9	+2.8	35	13,14	0.00	—0.13	0.00	—	0	—0.2	2.1	+1.0					
Hindubagh	68.4	—	81	29	39.6	—	22	14	0.15	—	0.15	24	1	—	6.9	—					
Lornlai	72.0	—	83	30	38.2	—	31	13	0.00	—0.16	0.00	—	0	—0.5	4.1	—					
Harnai									0.00	—0.18	0.00	—	0	—0.3							
Sibi	87.3	+0.9	98	2	53.1	0.0	47	19	0.00	—0.02	0.00	—	0	—0.1	x						
Quetta	65.4	—	72	6	34.2	—	18	13	0.19	—	0.19	24	1	—	4.0	+2.5					
Quetta (Samungli)	66.4	—	73	4 days	30.5	—	18	11,13	0.20	—	0.20	23	1	—	3.6	—					
Chaman	70.8	+3.2	79	28	46.3	+2.9	32	11,13	0.00	—0.23	0.00	—	0	—0.7	0.4	—3.1					
Nushki	76.0	—	86	2,21	48.0	—	30	11	0.00	—	0.00	—	0	—	x	—					
Kalat	64.9	+1.2	75	20	31.1	+0.5	21	11	0.00	—0.23	0.00	—	0	—0.8	2.3	—1.1					
Dalbandin	77.4	+1.1	88	29	42.6 (b)	+2.1	30	11	0.01	—0.05	0.01	23	0	—0.2	3.4	+1.0	1			3	2
Nokkundi	81.8	+1.8	91	2,29	51.6	+1.9	38	11,12	0.00	—0.03	0.00	—	0	—0.1	3.8	—0.7					
BALUCHISTAN (South)																					
Lasbella	94.7	+1.8	101	2	x	—	—	—	0.00	0.00	0.00	—	0	0.0	1.6	0.0					
Ormora	84.0	1.7	91	9,10	65.3	+1.5	58	13	0.00	0.00	0.00	—	0	0.0	5.1	+1.1					
Pasni	85.5	+0.1	95	19	61.9	+1.4	55	13,17	0.00	—0.14	0.00	—	0	0.0	6.4	+2.1					
Turbat	93.2	—	102	3,4	62.6	—	54	15,17	0.00	—	0.00	—	0	—	4.5	—					
Panjgur	77.8	+1.9	87	29,30	46.2	+0.6	35	13	0.00	—0.05	0.00	—	0	—0.2	4.0	+0.1					
SIND (Upper)																					
Reti	89.0	—	98	3,4	49.4	—	44	10,14	0.00	—	0.00	—	0	—	3.2						
Jacobabad	87.4	+1.5	97	3,4	57.8	+3.3	53	13,16,19	0.00	—0.05	0.00	—	0	—0.1	3.1	+0.9			2		
Sukkur	87.6	+1.4	98	3	58.4	+0.3	53	28,29	0.00	0.00	0.00	—	0	0.0	1.8	—0.5					
Padidan	x	—	—	—	52.9	—	45	16	0.00	—	0.00	—	0	—	1.6				1		
SIND (Lower)																					
Umarkot	93.3 (j)	—	101	28	58.6	—	51	29	0.00 (j)	—	0.00 (j)	—	0	—	2.4	—			1		
Chhor	91.3	—	97	1	53.3	—	44	17	0.00	—	0.00	—	0	—	x	—					
Hyderabad	89.8	+1.0	102	2,3	61.6	+2.8	54	28	0.00	—0.06	0.00	—	0	—0.1	2.2	—0.9			2		
Karachi (Airport)	90.1	—	96	1	61.9	—	57	17	0.00	—	0.00	—	0	—	2.9	—			5		
Karachi (Manora)	86.1	+0.9	92	1	70.1	+3.2	66	5 days	0.00	—0.08	0.00	—	0	—0.3	4.3	—0.3					
Badin	94.0	+3.8	102	1	58.8	—1.1	50	28	0.00	—0.18	0.00	—	0	—0.4	2.3	—					2
IRAN																					
Jask	86.9	+2.7	92	4	70.2	+1.6	65	29	0.00	—0.24	0.00	—	0	—0.5	7.6	+1.9					3
ARABIA																					
Muscat	83.5	—0.8	89	4 days	72.0	—1.8	67	14,30	0.00	—0.39	0.00	—	0	—0.7	2.9	+0.2					
Kuwait *	77.3		89	13	63.1		44	24	0.00		0.00	—	0		6.7						

(x) Data not available.

(*) Observation recorded at 0600 hours GMT, instead of 0300 hours GMT.

(b) Mean for 29 days.
(j) Data for 21 days.