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PAKISTAN WEATHER REVIEW, 1962

MONTHLY WEATHER REPORT

JANUARY

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Chief Features:

1. Dry Weather over East and West Pakistan during the first 10 days followed by pronounced rainfall activity towards the end of the month.

East Pakistan

Weather remained dry over East Pakistan during the month except towards the end when two western disturbances moved across the region close succession causing widespread rain or thundershowers in the Dacca and the Khulna Divisions and fairly widespread rain in the Chittagong Division on the 28th and local in the Rajshahi Division on the 27th and the 28th. Barisal recorded 1″ rain and Comilla, Srimangal, Narayanganj, Dacca, Khulna, Pabna and Sirajganj 1½″ each on the 28th.

The total rainfall during the month was in large excess in Khulna Division, in slight excess in the Chittagong division and normal elsewhere. Averaged over the region it was in moderate excess. The temperatures were normal except in Khulna Division where the mean minimum temperature was below normal. The relative humidity was in defect over the region outside Chittagong and Khulna divisions where it was normal. Skies were less clouded than usual.

West Pakistan:

After a spell of dry weather for about ten days, local rain fell in Peshawar Division on the 11th due to the passage of a western disturbance across the northern parts of the region. Another western disturbance which followed in close succession caused scattered rain in Peshawar and Rawalpindi Divisions on the 12th and isolated light rain or drizzle on the 13th. Thereafter the weather was again dry for a week after which an active western disturbance moved across the Sargodha and Multan Divisions to the Punjab (India) towards the end of the third week. It caused local or scattered rain or thundershowers in the Peshawar aud D. I. Divisions on the 20th. Landikotal recorded 1″ on that date, widespread in thc Rawalpindi division and scattered or local in Lahore, Peshawar and Quetta Divisions on the 21st, and fairly widespread and local rain respectively in Lahore and Multan Divisions on the 22nd; Leiah recorded 1″ of rain on 22nd. A few snowfalls were also reported from the hills of the Rawalpindi, Peshawar and D. I. Khan Divisions during the period. A feeble western disturbance which moved eastwards across the Kalat Division towards the middle of the fourth week caused local rain in Kalat Division and light rain or drizzle in the Quetta Division on the 24th. Turbat recorded 1″ of rain both on the 24th and the 25th. It was closely followed by three western disturbances which moved across the region in quick succession during the next three days. The first of these caused fairly widespread rain in the Kalat Division, scattered in the Quetta Division and light rain or drizzle in Karachi division on the 25th with a few falls of snow in the hills of the Quetta division. The second which moved from D. I. Khan division to Lahore division was responsible for the occurrence of fairly widespread rain in Lahore division and scattered in Rawalpindi, Sargodha and Multan Divisions on the 26th; Montgomery in Multan Division recorded 1½″ of rain on that date. A few falls of snow were also reported from the hills of Rawalpindi and Kalat Divisions on the same day. The last of the series lay over Rawalpindi division on the 27th and was associated with a trough of low pressure extending to Lahore and Multan Divisions. It rapidly moved away the same day after causing local rain in Lahore and Rawalpindi divisions and scattered in Sargodha and Peshawar Divisions with a few falls of snow in the hills of Rawalpindi Division; Lahore recorded 1½″ of rain and Cherat 1″ on the 27th. The total rainfall during the month was in large excess in Multan Division, moderate excess in Sargodha Division, slight excess in Lahore Division and large defect elsewhere. Averaged over the region as a whole it was in large defect.

The mean maximum temperature was above normal in Peshawar, D.I. Khan, Quetta and Hyderabad divisions and normal elsewhere. The mean minimum temperature wasnor mal over the entire region. The relative humidity was excess in Sargodha division, defect in Peshawar, Quetta and Kalat divisions and normal elsewhere. Skies were less clouded over the region outside Rawalpindi division where it was normal. Table 1 contains the divisional means of rainfall, temperature, relative humidity and cloud amount for the 18 chief political 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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March 28, 2002

TABLE I.—DIVISIONAL MEANS FOR JANUARY 1962.—*contd.*

Division	PRECIPITATION				DEPARTURE FROM NORMAL OF				
	Actual	Normal	Departure from normal	Percentage departure from normal	Maximum temperature	Minimum temperature	0300 hrs. G. M. T.		
							Vapoure pressure	Relative humidity	Cloud
1	2	3	4	5	6	7	8	9	10
EAST PAKISTAN	"	"	"	%	°	°	mb	%	
Chittagong	0.31	0.25	+0.06	+24	—1.4	—1.7	—1.2	—5	—0.6
Dacca	0.37	0.36	+0.01	+3	+0.3	—1.5	—1.6	—6	—1.0
Khulna	0.66	0.41	+0.25	+61	—1.6	—2.3	—1.4	—3	—0.9
Rajshahi	0.36	0.38	—0.02	—5	+0.4	—1.0	—1.0	—10	—1.1
Mean	0.42	0.32	+0.10	+31	—0.6	—1.6	—1.3	—6	—0.9
WEST PAKISTAN									
Kashmir*									
Lahore	1.26	1.04	+0.22	+21	—1.7	—0.3	—0.5	+2	—0.6
Rawalpindi	0.67	3.14	—2.47	—79	+0.7	—0.6	—0.5	+1	—0.1
Sargodha	0.60	0.40	+0.20	+50	+1.8	—1.9	—0.1	+14	—1.8
Multan	0.83	0.41	+0.42	+102	+0.5	+0.1	—0.5	+4	—0.5
Bahawalpur	0.05	0.16	—0.11	—69	+1.4	+0.9	+0.1	+2	—1.4
Peshawar	0.77	1.79	—1.02	—57	+3.7	—0.9	—0.8	—7	—1.2
D. I. Khan	0.39	0.79	—0.40	—51	+3.4	—1.0	—0.2	—1	—0.5
Quetta	0.03	0.89	—0.86	—97	+2.5	—1.9	—1.8	—14	—1.5
Kalat	0.12	1.25	—1.13	—90	+1.0	—1.8	—2.5	—9	—1.8
Karachi	0.02	1.01	—0.99	—98	+1.9	—1.1	—0.5	—5	—1.3
Hyderabad	0.00	0.16	—0.16	—100	+2.9	—0.6	—1.1	—3	—0.9
Khairpur	0.00	0.21	—0.21	—100	+1.8	+0.2	—0.3	—2	—0.5
Mean	0.28	0.91	—0.63	—69	+1.8	—1.0	—1.2	—5	—1.2
Junagadh*									

(*) Data incomplete. (x) Data not avilable.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF JANUARY, 1962

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 geopotential of 850/700 mbs. pressure level in Gpm.	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		14	15	16	17	18	19	20	21	22	23
	GMT.	Ft	Mb.	Mb.	Mb.	oF	oF	oF	Mb.	Mb.	%	%	oktas										
CHITTAGONG (Division)																							
Rangamati	0000	208	1007.3		1014.9	56.5	55.5	54.6	14.6		94		7.4		24	0	1	0	1	2	0	3	0
	0300		1009.4		1016.9	62.3	58.9	55.6	15.5		81		1.5		17	1	3	0	2	0		5	0
	1200		1005.5		1012.9	70.6	60.4	52.6	13.4		53		×		10	0	0	0	2	5	9	5	0
Cox's Bazar (P. T.)	0000	38																					
	0300		1013.5	—1.8	1014.8	65.8	60.0	55.4	15.1	—2.0	70	—3	0.8	—0.6	7	5	8	6	2	0	0	3	0
	1200		1010.4		1011.7	69.1	62.5	57.8	16.4		67		2.1		7	0	0	0	1	2	2	19	0
Chittagong (P.B.O.)	0000	20	1012.8		1013.5	55.3	54.0	52.7	13.8		91		0.9		3	13	3	1	0	0	0	0	11
	0300		1015.0		1015.7	63.0	57.9	53.9	14.1		72		0.8		0	21	2	0	0	0	1	1	6
	1200		1011.5		1012.2	69.0	61.9	56.7	15.7		65		0.5		1	0	0	0	1	3	4	14	8
Chittagong (P.T.)	0000	46																					
	0300		1013.8	—1.6	1015.5	65.4	58.7	53.2	14.1	—2.0	65	—12	0.5	—0.9	3	19	2	0	0	1	0	0	6
	1200		1010.2		1011.9	68.8	60.2	53e2	1450		58		0.5		1	0	0	0	1	3	5	13	8
Maijdee Court (R.)	0000	25																					
	0300																						
	1200																						
Comilla (R.)	0000	29																					
	0300																						
	1200																						
Brahmanbria	0000	32	1012.4		1013.5	53.3	52.0	50.8	12.6		91		0.6		0	2	0	0	0	3	1	2	23
	0300		1015.0		1016.1	62.5	58.0	54.6	14.4	—0.3	76	+6	0.6		6	3	1	1	1	3	3	6	7
	1200		1011.1		1012.2	68.0	60.4	54.6	14.5		63		1.0		3	1	0	1	1	0	0	0	5
Sylbet (P.B.O.)	0000	115	1009.3		1013.5	52.8	51.6	49.9	12.5		91		1.2		0	0	19	0	0	0	0	0	12
	0300		1011.6		1014.7	62.1	57.4	53.5	14.0		73		1.1		0	0	28	1	0	1	0	0	1
	1200		1007.6		1011.7	67.8	59.0	51.4	13.1		57		1.1		0	0	1	0	0	2	14	0	14
											57												
Srimangal	0000		1011.4		+++	45.8	44.6	43.9	9.4		94		0.4		0	0	0	0	0	0	0	0	31
	0300		1013.1	—2.2	+++	62.2	57.1	52.8	13.6	—0.6	72	—12	1.0	—0.4	1	0	2	1	0	1	2	3	21
	1200		1009.7		+++	59.5	56.0	53.1	13.8		56		0.4		0	1	1	0	0	0	3	0	26
DACCA (Division)																							
Mymensingh	0000	62	1011.7		1014.0	53.3	51.7	50.0	12.3		89		0.6		0	0	0	0	0	0	3	0	28
	0300		1014.1	—1.4	1016.4	59.3	56.0	53.0	13.9	—1.0	79	—2	1.0	—0.9	0	0	2	7	0	0	11	0	11
	1200		1010.2		1012.4	69.7	61.2	54.6	14.6		59		0.6		0	0	0	0	0	0	2	0	29
Jamalpur (R.)	0800	63																					
	0300																						
	1200																						
Narayanganj	0000	26	1012.3		1013.2	55.0	52.9	51.2	12.7		88		0.0		0	0	0	0	0	0	0	0	31
	0300		1015.0	—1.5	1015.9	62.9	57.4	52.7	13.5	—1.9	68	—8	0.5	—1.3	1	0	1	0	0	0	2	2	25
	1200		1011.2		1012.1	169.1	60.4	52.9	14.1		58		1.0		0	0	0	0	0	0	0	3	31
Dacca (Tejgaon) ...	0000	32	1011.9		1013.0	50.5	49.6	48.8	11.7		94		0.2		5	2	0	1	1	1	1	5	15
	0300		1014.4		1015.5	61.9	56.9	52.6	13.5		72		0.6		9	0	2	1	0	2	1	4	12
	1200		1010.7		1011.8	66.9	58.9	52.1	13.4		60		0.8		2	0	0	0	0	1	14	5	9

R'— Register not received.
×Data not available.

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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: Departurre from normal.	Mean Pressure: Reduced to standard temperature and M.S.L. or geopotential of 850/700 mbs. pressure level in Gpm.	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
	GMT.	Ft	Mb.	Mb.	Mb.	oF	oF	oF	Mb.	Mb.	%	%	oktas										
DACCA (Division(—contd.																							
Faridpur	0000	46	1012.2		1013.9	52.0	50.8	48.9	12.1		89		1.0		7	0	0	0	1	1	0	4	18
	0300		1014.0	—1.4	1015.7	62.5	56.7	51.6	13.1	—1.8	68	—9	0.6	—0.7	11	1	2	0	0	1	0	10	6
	1200		1010.8		1012.4	68.7	61.2	55.3	15.1		62		1.0		5	0	0	0	0	0	0	2	24
KHULNA (Division)																							
Barisal	0000	11	1013.5		1013.2	54.9	53.3	53.0	13.1		91		0.6		1	0	0	0	0	0	0	0	30
	0300		1015.5	—1.5	1015.9	64.0	59.0	54.6	14.8	—1.6	73	—3	0.6	—0.8	11	5	0	0	2	0	1	0	12
	1200		1011.9		1012.3	72.1	64.1	59.5	16.8		64		0.3		3	4	0	0	0	0	1	0	23
Khulna	0000	16	1013.1		1013.7	54.1	52.9	51.8	13.1		92		0.7		0	0	0	0	0	0	0	0	31
	0300		1015.5	—1.7	1016.1	65.0	58.7	53.5	14.0	—0.7	67	0	0.6	—1.0	0	0	0	0	0	0	0	0	31
	1200		1011.6		1012.2	70.3	62.4	56.7	14.7		63		0.2		0	0	0	0	0	0	0	0	31
Satkhira	0000	16	1014.1		1014.7	50.4	49.4	48.1	11.6		92		0.5		0	0	0	0	0	0	0	0	31
	0300		1016.1	—0.9	1016.7	61.8	56.1	50.4	12.8	—1.8	68	—6	0.6	—0.8	5	0	0	0	0	0	0	0	26
	1200		1012.3		1012.9	68.6	60.7	54.2	14.6		61		0.6		0	0	0	0	0	0	0	0	31
Jessore (P.T.)	0000	26																					
(R) ...	0300																						
	1200																						
RAJSHAHI (Division)																							
Pabna (R)	0000	48																					
	0300																						
	1200																						
Ishurdi	0000					49.0	48.2	47.2	11.1		94		0.7		1	3	1	0	5	7	5	9	0
	0300					61.5	56.2	51.3	13.1		70		0.7		13	1	2	1	1	1	9	3	5
	1200					65.4	58.4	52.1	13.5		63		0.6		1	3	0	1	1	5	16	4	0
Sirajganj	0000	51	1012.a0		1013.9	52.2	50.6	49.1	11.6		89		0.7		0	0	0	0	0	1	0	0	30
	0300		1014.1		1016.0	62.7	57.0	52.0	13.3		68		0.6		1	3	0	0	0	1	0	6	20
	1200		1009.5		1011.3	63.3	59.9	55.0	14.8		68		0.6		0	0	0	0	0	0	0	0	31
Rajshahi (R)	0000																						
	0300																						
	1200																						
Bogra	0000	65	1011.1		1013.5	52.2	51.0	59.5	12.3		91		0.7		3	1	0	0	0	0	1	2	24
	0300		1013.5	—1.8	1015.9	60.1	56.0	52.3	13.5	—0.7	75	—5	0.5	—1.3	4	8	1	0	0	0	2	5	11
	1200		1009.8		1012.1	68.4	60.6	54.6	14.5		62		0.4		1	1	0	0	0	0	3	3	23
Dinajpur	0000	123	1009.1		1013.6	49.8	48.2	46.3	10.7		88		0.1		0	0	0	0	0	0	0	0	31
	0300		1011.7	—1.4	1016.1	60.5	55.0	50.0	12.2	—1.3	69	—15	0.5	—1.0	0	0	0	0	0	0	0	0	31
	(a)																						
	1200		1007.7		1012.1	68.5	59.7	52.6	13.5		58		0.4		0	0	0	0	0	0	0	0	30
Rangpur	0000	113	1010.1		1014.4	48.6	47.6	46.5	10.7		93		0.7		14	1	1	0	0	0	0	0	15
	0 300		1012.2		1016.3	57.4	55.1	52.7	13.8		85		0.7		8	14	2	0	1	1	0	1	4
	1200		1008.4		1012.5	65.3	59.6	56.5	14.9		70		1.4		0	1	0	0	0	0	0	0	30

(a) — Observation for 30 days.
'R' — Register not received.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF JANUARY, 1962.

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 geopotential of 1500/700 mbs. pressure level in Gpm.	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 Directons 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	GMT.	Ft.	Mb.	Mb.	Mb.	:F	:F	:F	Mbl	Mb.	%	%	oktas										
Jammu (R)	1300	1209																					
	1200																						
LAHORE																							
Lahore (P.B.O.)	0000	702	989.4		1015.4	42.7	41.3	39.5	8.2		88		1.5		0	2	4	0	0	0	0	1	24
	0300		990.8	—2.0	1016.9	42.9	41.3	39.1	9.1	—0.5	86	+2	2.4	—0.6	0	0	1	3	0	0	2	1	24
	1200		989.0		1014.0	62.9	53.4	43.0	9.7		49		2.1		1	3	0	3	0	1	6	5	12
Lahore (Cantt.)	0000	709	(f) 988.5		1014.8	(f) 42.8	40.8	38.2	7.9		84		1.1		0	1	4	0	0	0	3	3	20
	0300		990.2	—	1016.5	43.3	41.2	37.8	7 8	—	82	—	2.5	—	1	0	2	2	0	0	4	4	18
	1200		988.3		1013.5	62.4	52.2	40.4	8.8		45		2.2		1	3	0	4	1	2	5	9	6
Sialkot (R)	0000	830																					
	0300																						
	1200																						
RAWALPINDI																							
Jhelum	0000	767	987.1		1015.4	42.5	40.5	37.4	8.0		83		2.2		3	2	0	2	0	0	10	13	11
	0300		988.3	—	1016.7	42.7	40.3	46.6	7.5	—	80	—	2.7	—	4	3	1	1	0	0	0	9	13
	1200		986.2		1013.4	64.1	53.0	40.3	8.8		43		3.0		0	1	1	5	0	4	2	12	6
Chaklala	0000	1667	956.1		1017.1	38a6	37.2	35.1	7.0		87		2.3		5	0	0	0	0	0	3	6	17
	0300		957.2	—	1018.4	38.2	36.7	34.7	6.8	—	86	—	3.2	—	3	0	1	0	0	0	4	5	18
	1200		955.5		1014.2	58.4	47.5	33.5	6.9		40		3.8		0	0	1	3	2	1	18	2	4
Rawalpindi	0000	1675	955.8		1017.1	39.8	38.3	36.7	7.4		89		(l) 1.0		3	0	0	0	0	0	0	1	28
	0300		956.5	—2.5	1017.7	39.4	38.2	36.5	7.3	—0.1	89	+7	3.3	+0.1	3	0	0	0	0	1	2	1	24
	1200		955.2		1014.3	57.6	49.0	39.2	8.4		52		4.0		0	0	2	1	3	4	16	1	4
Campbellpur	0300	1175	974.2	—	1017.3	43.1	39.0	34.6	6.9	—	73	—	3.1	—	0	1	0	0	0	0	0	1	29
	1200		971.7		1013.2	61.9	51.4	38.6	8.3		43		2.3		0	0	0	0	0	1	0	8	22
SARGODHA																							
Khushab	0000	616	*		*	.	.	—	—		—		0.6		1	0	3	0	0	0	0	0	27
	0300		(c) 994.2	—2.5	(c) 1017.2	41.7	39.7	36.6	7.4	+0.4	83	+17	1.2	—1.5	1	0	3	0	0	0	0	0	27
	1200		(a) 992.3		(c) 1014.2	65.1	53.2	39.5	8.6		41		1.5		0	1	2	2	1	0	1	0	24
Sargodha	0000	617	992.8		1015.7	41.0	39.6	37.8	7.7		87		1.6		2	3	6	0	0	8	4	1	7
	0300		993.9	—	1016.9	40.7	39.0	36.3	7.3	—	84	—	2.6	—	1	5	2	1	0	8	1	2	11
	1200		992.3		1014.1	64.3	52.4	37.8	8.2		39		2.8		0	7	2	3	0	8	6	2	3
Mianwali	0000	679	*		.	42.8	40.2	36.5	7.3		79		1.4		*								*
	0300		*	—	*	43.3	399.	34.5	6.9	—	71	—	1.5	—	*								*
	1200		*		*	64.2	53.1	40.4	8.8		43		1.6		*								*
Lyallpur	0000	603	993.0		1015.5	42.2	40.8	38.7	8.1		88		0.9		0	1	0	.	1	0	0	0	29
	0300		994.0	—2.6	1016.5	41.8	40.4	3855	7.9	—0.6	88	+11	1.5	—2.1	0	0	1	0	0	0	0	0	30
	1200		992.5		1014.0	64.5	54.1	43.2	9.7		47		2.0		5	0	0	1	1	0	4	0	20
MULTAN																							
Montgomery	0000	558	(c) 995.1		(c) 1015.8	41.8	40.4	38.4	7.9		87		0.6		1	3	0	1	0	0	0	1	25
	0300		(a) 996.4	—1.8	(a) 1017.1	43.9	41.5	38.2	7.9	0	81	+4	1.4	—1.0	0	2	0	5	0	0	1	2	21
	1200		994.3		1014.2	63.8	53.4	42.5	9.2		45		1.5		3	3	0	0	0	3	0	0	22
Multan (P.B. O.)	0000	404	1000.2		1015.4	43.6	41.1	37.3	7.7		80		1.1		3	0	0	1	0	a	0	0	27
	0300		1001.8	—	1017.1	41.7	39.6	36.5	7.3	—	83	—	2.0	—	4	0	1	2	0	1	1	1	22
	1200		999.7		1014.2	65.5	53.1	38.9	8.3		37		2.1		4	6	1	6	4	2	0	1	7

(f) — Mean for 25 days.
(a) — Mean for 30 days.
(c) — Mean for 28 days.

* — Data rejected.
(a) — Data not available
(R) — Register not received.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF JANUARY, 1962.

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 geopotential of 850/700 mbs. pressure level in Gpm.	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
	GMT.	Ft.	Mb.	Mb.	Mb.	oF	oF	oF	Mb.	Mb.	%	%	oktas										
MULTAN—contd.																							
Multan (Surf.)	0300	413	1001.7	—2.0	1017.0	463.	43.5	39.8	8.4	—1.1	78	+4	2.4	0.0	0	0	1	0	0	0	0	1	29
	1200		999.3		1014.0	64.9	54.4	43.2	9.8		46		2.1		2	1	2	0	0	0	0	0	26
Leiah (*R*)	0000	487																					
	0300																						
	1200																						
BAHAWALPUR																							
Khanpur (P.B.O.)	0000	290	1004.4		1015.3	42.2	39.9	36.2	7.4		79		0.9		0	1	0	1	0	2	0	0	27
	0300		1006.2	—	1017.0	43.4	40.5	36.1	7.2	—	75	—	1.2	—	2	2	1	1	1	1	1	0	22
	1200		1003.4		1013.9	67.9	53.4	35.9	7.5		32		1.2		4	6	0	0	1	3	1	0	16
Bahawalpur	0300	384	(b) 1002.3	—2.7	(c) 1016.5	45.5	42.3	37.8	7.7	+0.1	75	+2	1.2	—1.4	0	0	0	1	1	1	0	0	28
	1200		*		*	66.7	*	—	—				1.2		1	0	0	0	0	0	0	0	30
Fort Abbas	0000	475	*		*	40.8	39.3	38.0	7.5		86		0.0		9	7	1	0	0	1	1	3	9
	0300		(a) 999.5	—	(a) 1017.1	44.4	40.6	35.0	6.9	—	70	—	0.2	—	2	1	6	2	2	3	3	0	12
	1200		(d) 997.4		(d) 1014.3	65.9	54.2	41.4	8.8		42		0.1		11	3	1	0	0	1	2	3	10
PESHAWAR																							
Chakdara	0000	2197	937.2		1017.3	36.2	33.9	29.9	5.7		78		0.9		4	0	0	0	0	0	2	0	25
	0300		938.1	—	1018.0	37.7	35.1	30.9	5.8	—	76	—	1.0	—	3	0	1	0	2	0	1	0	24
	1200		935.5		1012.0	57.5	47.0	34.1	6.8		41		1.0		0	0	0	1	3	0	2	0	25
Peshawar	0000	1177	973.7		1016.9	41.9	38.1	31.8	6.3		70		2.4		0	1	1	5	4	8	1	0	12
	0300		947.7	—2.9	1018.0	41.3	27.6	30.9	6.0	—0.4	67	—4	3.1	—1.5	2	0	0	2	7	2	1	2	15
	1200		972.8		10145.	60.8	49.3	33.2	6.8		37		3.3		6	2	0	4	2	1	0	2	14
Risalpur	0000	1047	978.2		1016.7	38.0	36.7	34.2	6.8		88		1.6		0	1	0	0	0	2	6	2	20
	0300		979.2	—	1017.9	37.5	36.1	33.8	6.6	—	86	—	2.6	—	0	0	1	0	0	1	3	0	26
	1200		977.0		1013.8	1.3	50.3	35.7	7.5		40		3.2		0	2	2	0	1	2	8	0	16
Haripur	0300	1757	(c) 953.7	—	(e) 1017.7	41.7	38.4	33.8	6.6	—	73	—	3.3	—	0	7	0	1	1	11	10	1	0
	1200		(b) 952.2		(b) 1013.9	57.8	48.7	37.9	8.0		50		2.5		0	5	2	9	0	12	1	2	0
Kohat	0000	1683	956.3		1017.0	46.6	40.3	30.3	6.0		55		2.0		4	1	0	0	0	0	0	18	8
	0300		957.5	—	1018.3	45.8	29.6	29.6	5.8	—	55	—	2.9	—	1	1	0	0	0	2	1	24	2
	1200		955.8		1014.8	61.3	48.8	33.2	6.7		36		3.2		1	8	2	4	3	2	0	1	9
D. I. KHAN																							
Bannu	0000	1263	970.2		1016.5	44.3	41.1	34.4	7.3		74		1.3		1	1	0	0	0	0	0	0	29
	0300		971.1	—	1017.4	43.5	39.9	37.2	6.7	+0.6	71	+11	2.1	—0.3	1	0	0	0	0	1	2	4	23
	1200		969.7		1014.6	63.1	53.3	42.7	9.6		48		2.9		1	1	0	4	0	3	0	1	21
D. I. Khan	0000	570	994.3		1015.4	42.7	40.1	36.4	7.3		79		1.3		0	0	0	0	0	0	0	1	30
	0300		995.7	—2.5	1016.9	43.7	40.6	36.0	7.2	+0.2	76	+5	2.2	—0.4	0	0	0	0	0	0	0	3	28
	1200		993.5		1013.7	65.0	54.1	43.5	9.4		44		1.9		0	2	0	4	0	0	0	1	27

(a) — Mean for 30days
(d) — Mean for 27 days
(b) — Mean for 29 days
(e) — Mean for 28 days.

* — Date rejected.
(x) — Date not available
(*R*) — Date not received.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF JANUARY, 1962.

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 geopotential of 850/700 mbs. pressure level in Gpm.	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
	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mbl	Mb.	%	%	oktas										
QUETTA																							
Sibi	0000	441	999.8		1015.9	47.9	41.3	30.3	5.7		53		0.6		2	1	0	0	0	0	1	3	24
	0300		1001.0	—1.3	1017.0	45.1	29.5	29.3	5.7	+0.2	56	+6	1.3	—1.3	2	0	2	0	1	0	0	3	23
	1200		977.8		1013.3	71.6	35.0	29.6	15.6		21		1.4		2	1	1	0	14	0	5	2	6
KALAT																							
Nokkundi	0000	2229	939.0		1019.5	4.22	36.2	26.8	4.9		54		0.7		8	5	4	0	0	0	3	10	1
	0300		940.9		1021.4	40.5	35.4	29.3	4.9	−0.6	62	+9	0.5	−2.1	6	13	2	0	0	0	1	9	0
	1200		937.6		1014.0	63.5	51.5	38.4	8.2		41		0.5		2	0	5	9	4	1	5	5	0
Turbat	0000	510	997.5		1016.1	53.6	46.3	34.8	7.5		55		0.2		0	2	17	1	0	0	0	0	11
	0300		999.1		1017.7	54.6	46.2	31.8	6.9		49	—	0.2		0	2	18	1	0	0	1	0	9
	1200		995.7		1013.5	75.4	57.2	35.2	7.8		28		0.2		2	6	2	1	2	0	13	3	2
Jiwani	0000	185	1009.1		1015.8	60.1	53.7	45.8	11.3		63		0.5		8	9	2	0	0	0	2	3	7
	0300		1010.5		1017.2	59.3	52.3	42.8	10.2		60		1.2		9	9	1	0	0	0	1	3	8
	1200		1008.3		1014.8	72.3	59.0	45.2	11.1		42		1.2		1	3	1	4	6	7	8	0	1
Pasni	0000	28	1014.0		1015.0	57.9	51.2	42.8	9.9		62		0.6		5	5	0	0	0	0	9	12	0
	0300		1015.6	—1.6	1016.6	56.6	49.7	40.9	9.1	—4.3	60	—17	1.5	—0.8	8	3	0	0	0	0	6	13	1
	1200		1013.1		1014.1	72.7	60.4	49.0	12.4		47		1.3		3	3	2	6	5	6	4	3	0
KARACHI																							
Ormara	0000	15	1014.4		1014.9	55.7	52.1	47.8	10.7		77		0.5		0	0	0	0	0	0	0	3	28
	0300		1015.4		1015.9	57.6	52.2	45.0	10.9	−2.2	69	−7	1.0	−1.6	1	0	1	3	2	0	1	2	23
	1200		1012.9		1013.4	72.6	60.2	57.5	12.3		44		0.8		0	0	0	2	4	0	17	6	2
Lasbela (R)	0000	292																					
	0300																						
	1200																						
Karachi (Manora)	0000	13	1013.8		1014.3	60.5	53.4	45.7	10.8		59		1.3		7	15	1	0	0	0	1	2	5
	0300		1015.3	−2.1	1015.8	62.4	55.4	47.6	11.8	+1.2	60	−2	1.3	−1.0	9	16	1	0	0	0	1	1	3
	1200		1012.4		1012.9	73.0	61.0	50.3	18.2		46		1.2		1	2	1	1	1	6	16	2	1
Karachi (Mauripur)	0000	52	1012.3		1014.2	55.9	48.9	37.9	8.7		57		0.9		11	6	1	0	0	0	0	2	11
	0300		1013.7		1015.6	54.0	48.4	40.5	10.0		62		1.5		8	8	1	0	0	0	0	4	10
	1200		1011.1		1012.9	74.3	58.2	39.7	9.4		33		0.9		2	1	2	9 (l)	4	14	4	4	0
Karachi (City)	0300	20	1014.6		1015.3	55.7	49.4	41.1	9.2		60		1.0		10	5	0	0	0 (l)	0	0	1	3
	1200		1011.6		1012.3	74.4	60.5	46.9	11.7		41		1.0		0	1	1	0	0	13	2	1	1
Karachi (Air Port)	0000	73	1011.6		1014.4	52.5	46.9	37.9	8.4		63		0.5		12	4	0	0	0	0	0	2	13
	0300		1013.6		1016.4	51.3	46.4	39.0	8.6		65		1.3		8	5	0	0	0	0	0	2	16
	1200		1010.6		1013.3	74.9	58.4	40.2	9.3		32		0.8		1	3	2	2	2	14	3	3	1
Gadan	0300	501	x		x	56.4	49.6	41.4	9.1		59		0.6		15	14	0	0	0	0	0	2	0
	1200		x		x	74.4	58.8	44.4	9.9		34		0.9		6	8	1	0	0	10	3	2	1
HYDERABAD																							
Dadu	0000	131	x		x	x	x	x	x		x		x		x				x				x
	0300		x		x	x	x	x	x		x		x		x				x				x
	1200		x		x	x	x	x	x		x		x		x				x				x

(R) Date not received.
X Observations not available.
\+ Data Rejected.
(a) Mean of 30 days.

(b) — Mean of 29 days.
(c) — „ „ 24 „
(g) — „ „ 23 „
(f) — „ „ 22 „

(l) Mean of 19 days.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF JANUARY, 1962.

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 geopotential of 850/700 mbs. pressure level in Gpm.	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
HYDERABAD—contd.	GMT.	Ft.	Mb.	Mb.	Mb.	:F	:F	:F	Mbl	Mb.	%	%	oktas										
Mithi	0000	96	1010.7		1014.4	42.5	40.1	36.7	7.5		80		0		0	0	0	0	0	0	0	0	31
	0300		1012.4		1015.9	45.6	42.0	36.8	7.4		73		0		0	0	0	0	0	0	0	0	31
	1200		1008.0		1011.0	74.9	61.6	52.5	26.4		46		0		0	5	0	0	0	1	1	11	13
Nagarparker	0000	178	1006.4		1012.8	55.1	48.3	38.8	8.5		57		0.2		1	0	0	0	0	0	0	1	29
	0300		1008.2		1014.9	56.7	49.7	4.0	9.6		56		0.1		1	1	0	0	0	0	0	2	27
	1200		1004.7		1010.9	7.58	59.2	42.9	9.8		36		0.2		3	2	1	4	1	0	1	5	14
Umerkot	0000	55	1011.6		1013.6	46.9	42.4	35.8	7.3		66		0.5		5	10	2	2	2	0	0	0	10
	0300		1013.5		1015.5	48.1	43.5	36.8	7.6		66		1.4		3	5	3	1	0	1	0	2	16
	1200		1010.0		1011.9	75.9	60.3	46.6	10.8		36		1.2		6	1	2	0	1	2	4	14	1
Chhor	0000	19	1013.4		1014.2	41.6	38.5	33.4	6.5		73		0.5		0	0	0	0	0	0	0	0	31
	0300		1015.3		1016.0	43.6	39.1	31.7	6.1		64		1.4		1	0	0	0	0	0	0	0	30
	1200		1011.7		1012.4	76.2	55.7	30.2	6.0		19		1.1		9	2	0	0	0	2	4	3	11
Hyderabad	0000	98	1010.9		1014.6	52.2	56.6	33.5	8.4		63		1.2		10	0	0	0	0	0	0	1	20
	0300		1012.9	—1.8	1016.6	51.6	46.2	39.0	8.2	—0.2	63	+3	1.7	—0.1	11	1	2	0	0	0	0	0	19
	1200		1010.0		1013.5	75.7	56.8	36.8	7.2		25		1.1		12	1	0	0	1	2	1	1	13
Badin	0000	31	1013.0		1014.1	50.7	41.8	26.7	5.0		42		00		27	1	0	0	0	1	0	2	0
	0300		1015.3	—1.3	1016.4	49.7	42.2	30.7	5.8	—2.1	48	—10	00	—1.8	23	0	0	0	0	0	0	2	6
	1200		1012.6		1013.7	77.6	58.0	37.7	7.7		25		00		30	0	0	0		0	1	0	0
KHAIRPUR																							
Padidan	0000	153	1009.2		1014.9	43.5	41.1	37.5	7.7		80		0.7		1	0	0	0	0	1	1	4	24
	0300		1010.9		1016.7	42.0	39.8	36.6	7.3		82		1.3		2	3	1	0	0	1	3	8	13
	1200		1008.2		1013.6	72.3	54.7	35.0	6.6		26		1.0		8	7	0	1	2	3	3	3	4
Nawabshah	0000	124	1011.2		1015.9	45.55	42.1	37.0	7.6		73		0.5		3	0	0	0	0	0	0	2	26
	0300		1013.0		1017.7	43.3	30.5	36.1	7.4		77		0.8		5	0	0	1	3	0	1	2	20
	1200		1010.4		1014.8	73.8	56.3	36.7	7.7		28		0.9		6	2	0	2	2	0	1	5	13
Sukkur	0300	221	1008.3	—2.4	1016.5	49.8	45.7	40.1	8.6	+0.9	70	+9	1.9	+0.3	2	3	0	5	5	1	1	40	10
	1200		1005.5		1013.3	72.1	56.7	36.6	8.9		33		1.4		4	6	1	1	4	7	2	6	0
Kashmore	0000	225	*		*	46.3	40.4	30.7	5.9		85		0.5		0	0	0	0	0	0	1	0	30
	0300		1007.8		1017.2	46.5	41.1	33.0	6.3		58		0.5		0	0	0	0	0	0	1	0	30
	1200		1004.7		1013.7	70.8	50.6	18.0	3.9		15		0.8		0	5	0	0	0	0	1	1	24
Jacobabad	0000	183	1004.8		1012.3	47.8	42.4	33.1	6.8		60		0.6		1	1	4	3	0	0	2	7	13
	0300		1010.2	—1.7	1016.7	46.9	41.3	32.0	6.7	—1.5	57	—13	0.8	—1.3	1	4	4	3	0	0	4	3	11
	1200		1003.0		1013.6	71.6	54.1	31.8	6.3		25		1.1		3	1	3	1	1	1	8	8	5
JUNAGARH																							
Veraval	0300	26	(a) 1013.7		(a) 1014.7	(a) 58.3	50.3	(l) 40.4	x		53		(a) 00		11	8	2	0	(a) 1	0	0	2	6
	1200		1010.5		(b) 1011.5	(g) 75.5	66.5	(h) 60.1	x		60		(g) 00		1	0	0	2	(g) 2	2	9	6	2
ARABIA																							
Muscat (K)	0000																						
	0300																						

(a) Mean for 30 days. (g) mean for 24 days. (x) Data not available. (l) Mean for 22 days. (h) mean for 23 days.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF JANUARY, 1962.

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 geopotential of 850/700 mbs. pressure level in Gpm.	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
HILL STATIONS																							
KASHMIR																							
Srinagar (X)	0000																						
	0300																						
	1200																						
Gulmarg (X)	0300	—																					
	1200																						
Gurez (X)	0300	—																					
	1200																						
Sonamarg (X)	0300																						
	1200																						
Dras (X)	0300																						
	1200																						
Kargil (X)	0300																						
	1200																						
Leh (X)	0000	—																					
	0300																						
	1200																						
Skardu	0000	7250	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	0300		779.7	—	1535.1	16.0	15.3	13.7	2.6	—0.9	89	+11	4.8	—1.0	0	0	0	0	0	0	0	0	31
	1200		777.5		1492.0	30.1	25.5	16.8	3.1		56		4.8		0	0	0	1	0	1	1	0	28
Misgar	X 0000	10190	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	0300		698.0	—	3083.4	10.7	9.7	7.0	1.9	—	83	—	2.9	—	2	2	0	0	0	2	8	4	13
	1200		696.5		3065.5	23.2	20.9	16.7	3.0		74		3.4		0	2	7	7	2	3	6	0	4
Aliabad (X)	0300	—																					
	1200																						
Gilgit (P.B.O.)	0000	4789	857.0		1524.0	27.6	25.7	21.8	3.9		77		3.0		0	1	1	0	1	0	5	0	23
	0300		858.4	—	1537.2	28.9	26.7	22.5	4.0	—	76	—	4.2	—	1	1	3	0	0	2	0	0	24
	1200		855.2		1508.8	39.9	33.7	22.0	4.1		50		4.8		0	0	3	3	0	5	0	1	19
Gilgit (Surf.) (X)	0000	4950																					
	0300																						
	1200																						
RAWALPINDI																							
Murree (X)	0000	7113	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	0300		782.6	—1.8	1495.5	35.9	30.6	20.5	3.9	—0.8	56	—4	3.8	0.0	0	11	3	11	0	0	0	1	5
	1200		782.2		1484.8	40.5	34.9	25.7	4.9		58		4.9		0	2	2	13	0	0	1	1	12

X — Data relected.
(x) — Data not available.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF JANUAY, 1962.

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 geopotential of 850/700 mbs. pressure level in Gpm.	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
PESHAWAR																							
Drosh	0000	4806	855.4		1514.8	36.3	30.8	16.9	3.7		50		2.1		0	2	2	1	0	1	1	0	24
	0300		856.4	—1.5	1524.1	35.5	30.4	19.6	3.7	—1.6	53	—2.3	3.4	—0.4	0	2	1	3	0	2	0	0	23
	1200		853.3		1496.1	47.0	37.0	18.5	3.5		31		4.5		0	0	5	10	0	1	0	0	15
Cherat	0000	4272	*		*	*	*	—	—		—		2.1		2	9	4	5	3	0	1	7	0
	0300		*	—	*	44.0	*	—	—	—	—		1.7	—1.6	1	21	1	0	0	0	0	8	0
	1200		*		*	8.4	*	—	—		—		2.1		1	7	5	4	1	0	0	13	0
Kakul	0000	4214	871.3		1484.0	40.3	35.2	26.2	4.7		58		2.5		12	6	3	4	0	0	0	6	0
	0300		872.4	—	1494.1	40.1	35.0	26.1	4.7	—	58	—	3.3	—	10	9	6	1	0	0	1	4	0
	1200		871.4		1488.1	50.2	41.8	29.5	5.2		45		4.2		4	0	1	5	6	3	8	8	0
Balakot	0000	3226	(x)		(x)	39.6	35.5	28.5	51.1		66		2.1		2	4	1	0	1	0	1	1	21
	0300		(x)	—	(x)	38.4	35.0	29.2	5.6	—	69		2.7	—	2	5	2	2	2	0	7	3	8
	1200		(x)		(x)	51.8	44.3	34.9	6.9		53		3.0		0	0	0	0	2	2	0	1	26
Landikotal	0000	3503	893.9		1407.3	35.6	32.6	27.2	5.1		73		2.1		0	0	0	0	0	2	0	0	29
	0300		894.8	—	1477.8	35.8	32.4	26.1	4.9		69	—	2.5	—	0	0	0	0	0	5	0	0	26
	1200		893.6		1408.5	51.5	42.6	29.6	5.7		43		2.5		0	1	0	1	0	20	0	0	9
Parachinar	0000	5673	*		*	*	*	—	—		—		1.7		0	0	0	0	0	0	0	0	31
	0300		*	—	*	33.0	30.2	24.9	4.5	—0.4	74	+5	1.9	—1.4	0	2	0	0	0	0	0	0	29
	1200		*		*	48.4	39.6	24.6	5.2		45		2.7		0	1	11	12	1	4	0	0	2
D. I. KHAN																							
Miranshah	0000	3026	*		*	34.8	30.0	20.2	3.7		53		1.0		0	2	1	0	0	0	0	0	28
	0300		*	—	*	38.5	33.1	23.7	4.3	—0.5	53	—4	1.8	—0.8	0	4	1	0	0	0	0	0	26
	1200		*		*	57.5	44.5	24.4	4.8		29		1.8		0	10	2	1	0	0	0	0	18
Wana	0300	4503	*	—	*	31.2	27.8	20.6	3.8	—1.1	63	—17	1.7	—0.6	0	0	0	0	0	0	0	0	31
	1200		*		*	54.2	*	—	—		—		1.7		0	0	0	0	0	0	0	0	31
QUETTA																							
Fortsandeman (P.T.)	0300	4614	860.7	—1.0	1505.8	35.1	29.4	16.4	3.3	—1.7	48	—29	1.8	—1.0	0	0	2	0	1	1	2	0	25
	1200		858.2		1484a8	55.9	41.3	14.2	3.0		22		2.2		0	1	1	0	0	1	4	3	21
Fortsandeman (P.B.O.)	0000	4615	859.9		1498.5	35.2	31.6	24.7	4.6		67		1.3		0	0	0	0	0	3	0	0	28
	0300		860.9		1507.8	34.4	30.7	23.6	4.4		65		2.0		0	0	1	2	2	3	2	0	21
	1200		858.5		1489.3	55.0	44.0	29.4	5.5		39		2.0		1	4	0	1	0	4	6	2	13
Hindubagh	0000	5909	819.6		1510.6	28.9	23.8	12.5	2.6		47		0.3		0	0	1	0	0	4	21	0	5
	0300		818.8		1500.2	31.8	25.8	13.0	2.7		43		1.2		0	0	0	0	0	6	20	1	4
	1200		817.1		1469.9	50.0	37.2	15.0	3.0		27		1.9		0	0	5	2	0	10	14	0	0
Loralai	0000	4699	855.4		1480.1	33.6	28.8	18.0	3.4		54		1.0		2	4	3	2	4	5	2	2	7
	0300		856.7		1409.9	33.9	27.9	14.1	2.8		45		1.6		0	1	0	2	0	4	14	8	2
	1200		854.3		1475.6	53.5	42.2	23.4	4.7		35		2.6		1	0	3	9	7	2	1	5	3
Harnai	0300	2861	*		*	*	*	*	*		*		0.2		*				*				*
	1200		*		*	*	*	*	*		*		0.7		*				*				*
Quetta (Samungli)	0000	5213	841.4		1506.3	27.0	24.8	21.2	3.7		78		1.0		0	0	3	7	0	1	4	2	14
	0300		842.4		1515.0	26.3	24.2	20.5	3.7		78		2.0		0	0	5	5	1	2	2	3	13
	1200		840.3		1490.7	48.9	37.3	18.3	3.5		30		2.2		1	0	0		0	1	7	14	8

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

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF JANUARY, 1962.

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 geopotential of 850/700 mbs. pressure level in Gpm.	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	1	12	1	14	15	16	17	18	19	20	21	22	23
Quetta (P.T.)	0300	5490	834.9	+0.1	1525.7	33.6	30.8	26.5	4.7	—0.2	77	—1	1.5	—2.0	2	0	0	1	1	1	1	9	16
	1200		833.2		1506.0	48.9	40.4	30.0	5.6		47		1.7		2	0	0	1	0	2	3	16	8
Quetta (P.B.O.)	0000	5560	831.4		1553.0	28.9	27.0	23.5	4.3		80		1.2		0	0	0	0	0	0	0	1	30
	0300		831.4		1552.1	30.1	27.0	22.2	3.8		70		1.8		1	6	5	2	0	5	1	3	8
	1200		830.2		1533.1	49.4	38.3	20.7	3.9		34		2.8		1	0	0	4	5	14	0	0	7
Chaman	0000	4311	869.8		1499.3	36.6	28.5	8.9	2.1		30		1.5		0	1	21	4	2	1	1	0	1
	0300		870.6	—1.0	1507.8	36.9	28.8	8.0	2.1	—4.0	31	—3.5	1.9	—1.5	0	0	21	6	1	1	2	0	0
	1200		868.6		1492.8	52.5	38.7	11.8	2.5		20		2.1		1	0	0	0	1	7	17	5	0
Nushki	0000	3416	905.1		1546.5	41.0	34.0	20.7	3.9		44		0.6		0	4	16	2	0	0	0	3	6
	0300		905.6		1557.5	44.9	36.7	21.8	4.1		42		1.4		0	4	16	1	0	0	0	1	9
	1200		903.1		1545.4	58.0	43.9	21.8	4.1		26		1.0		0	0	0	0	0	1	10	16	4
Dalbandin	0000	2788	920.5		1482.2	34.8	30.2	21.2	3.8		59		1.0		2	15	3	0	0	0	2	2	7
	0300		921.6	0.0	1491.8	32.6	28.7	21.0	3.8	—3.1	62	—11	1.5	—1.5	2	11	1	3	1	1	0	1	11
	1200		919.5		1510.5	61.6	46.4	23.8	4.6		26		1.7		1	7	3	11	0	2	1	3	3
KALAT																							
Kalat	0000	6616	796.9		1498.9	26.3	*	*	*		*		0.0		1	0	0	0	16	4	5	3	2
	0300		797.2	—3.2	1495.8	24.5	*	*	*	—	*	*	0.0	—3.0	1	1	0	1	19	3	1	3	2
	1200		796.6		1477.3	46.1	38.3	28.1	5.1		50		0.5		8	0	0	0	3	7	3	8	2
Panjgur (P.B.O.)	0000	3180	906.5		1487.1	39.5	34.5	25.7	4.8		59		0.8		2	10	2	0	0	0	0	1	16
	0300		907.9		1498.4	38.0	34.1	26.1	5.1		62		0.9		3	15	2	0	0	0	0	2	9
	1200		905.8		1503.3	61.6	47.4	30.2	5.4		33		0.9		11	2	0	0	0	10	2	3	3
Panjgur (P.T.)	0000	3177	906.6		1486.6	39.6	34.3	23.9	4.5		55		0.7		3	26	1	0	1	0	0	0	0
	0300		907.7	—0.2	1495.8	39.0	33.7	23.9	4.3	—2.6	55	—19	1.3	—1.4	8	21	0	0	0	0	0	1	1
	1200		905.9		1500.5	60.0	45.6	25.5	4.6		29		1.2		16	0	0	0	0	13	2	0	0

TABLE III.—SUMMARY OF TEMPERATURE, PRECEIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF JANUARY, 1962.

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.	Velocity 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
	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%		oktas								
CHITTAGONG (Division)																					
Rangamati	79.2		86	27	55.7		51	17	0.27		0.27	28	1		x		0	0	30	0	0
Cox's Bazar (P.T.)	77.9	—1.7	85	28	54.2	—2.0	49	17	0.00	—0.14	0.00	28	0	—0.3	x		0	0	0	0	0
Chittagong (P.B.O.)	77.0		85	28	54.2		48	17	0.27		0.24	28	1		x		0	0	6	0	0
Chittagong (P.T.)	78.4	—0.4	85	25,28	53.2	—1.8	47	17	0.24	0.00	0.24	28	1	+0.6	x		0	0	2	0	0
Maijdee Court ("R")																					
Comilla("R")																					
Brahmanbaria	76.3	—2.1	83	27	52.4	+0.9	46	17	0.40	+0.18	0.40	28	1	+0.3	1.6		0	0	4	0	0
Sylhet (P.B.O.)	76.8		82	25	51.4		44	16	0.22		0.22	28	1		x		0	0	4	0	0
Srimangal	78.2	—1.3	85	27	43.7	—3.8	37	17	0.60	+0.18	0.60	28	1	0.0	1.1	—0.3	0	0	0	0	0
DACCA (Division)																					
Mymensingh	77.5	+1.4	82	27	51.5	—2.1	47	16	0.22	—0.10	0.22	28	1	+0.1	x		0	0	2	0	0
Jamalpur ("R")																					
Narayanganj	78.7	+0.8	85	25	54.0	—1.5	49	16,17	0.57	+0.25	0.57	28	1	+0.2	1.2	+0.1	0	0	14	0	0
Dacca (Tejgaon)	77.1		85	27	49.1		43	16	0.70		0.50	28	1		3.1		0	0	1	0	0
Faridpur	74.5	—1.4	81	27	50.1	—2.4	44	16	0.32	—0.11	0.32	28	1	+0.1	1.0	—0.5	0	0	0	0	0
KHULNA (Division)																					
Barisal	76.8	—1.0	83	27	53.4	—2.0	48	16	1.12	+0.70	1.12	28	1	+0.3	x		0	0	12	0	0
Khulna	77.6	—0.9	84	27	53.5	—1.7	47	17,19	0.52	+0.08	0.52	28	1	+0.2	0.2	—1.5	0	0	2	0	0
Satkhira	77.2	—3.0	85	24	49.6	—3.2	41	17	0.35	—0.03	0.35	28	1	+0.1	0.3	—0.7	0	0	2	0	0
Jessore (P.T.) ("R")																					
RAJSHAHI (Division)																					
Pabna "R")																					
Ishurdi	74.5		82	26	48.1		41	17,19	0.74		0.74	28	1		x		0	0	11	0	0
Sirajgong	76.5		83	27	50.9		45	1,15,16	0.52	+0.14	0.52	28	1	+0.2	1.4		0	0	0	0	0
Rajshahi ("R")																					
Bogra (P.A.O.)	75.5	—0.3	81	25,26	51.4	—0.7	45	15,16,19	0.36	—0.07	0.29	28	1	0.0	1.8	+0.9	0	0	0	0	0
Dinajpur	76.5	+1.1	82	24	48.3	—1.3	42	15	0.21	—0.15	0.21	21	1	+0.1	x		0	0	0	0	0
Rangpur	74.1		78	24,25,26	48.9		43	1,2	0.34	0.00	0.26	27	1	+0.2	1.3		0	0	8	0	0
KASHMIR																					
Jammu(x)																					
LAHORE																					
Lahore (PB.O.)	66.3	—1.7	73	8,9	39.8	—0.3	31	—16	1.2	+0.22	0.54	26	4	+2.0	1.7	+0.6	1	0	2	1	0
Lahore Cantt.	66.3	—	74	8	39.5	—	33	16	1.15	—	0.41	21	4	—	2·8	—		0	12		1
Sialkot (R)																					
RAWALPINDI																					
Jhelum	68.2	—	77	8	39.3	—	31	16	0.34	—	0.17	21	2	—	2.2	—	1	0	1	0	0
Chaklala	62.8	—	71	8	34.8	—	27	16	0.54	—	0.32	27	2	—	3.8	—	1	0	4	1	0
Rawalpindi	63.1	+0.8	70	8	36.3	—1.6	29	16	0.49	—2.00	0.25	27	2	—1.8	2.2	+0.6	2	0	6	0	0
Campbellpur	63.7	—	71	8	*	—	—	—	0.35	—	0.25	22	2	—	0.8	—	0	0	0	0	0

'R' — Registered not received. x — Data not available. * Data rejected.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF JANUARY, 1962.

DIVISION AND STATION	Maximum Temperature of the Air oF				Minimum Temperature of the Air oF				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
	GMT.	Ft.	Mb.	Mb.	Mb.	oF	oF	oF	Mb.	Mb.	%		oktas								
SARGODHA																					
Khushab	69.5	+1.8	79	2,8	37.8	—2.9	32	14,16,15	xxx	—	xxx	—	—	—	2.7	+0.5	0	0	0	0	0
Sargodha	67.0	—	76	8	37.0	—	26	16,17	0.52	—	0.26	21	2	—	3.6	—	0	0	8	0	0
Mianwali	66.6	—	75	10	41.3	—	35	9,10,17	0.00	—	0.00	—	0	—	x	—	0	0	0	0	0
Lyallpur	*	—	—	—	39.0	—0.9	33	17	0.60	+0.20	0.45	26	2	+1.0	1.1	—0.2	0	0	4	0	0
MULTAN																					
Montgomery	67.9	—0.2	80	18	40.5	—1.2	33	16	1.56	+1.10	1.50	26	1	—0.3	(x)	—	1	0	14	0	0
Multan (P.B.O.)	68.7	—	76	8	38.5	—	32	16,23	0.13	—	0.09	25	0	—	1.7	—	0	0	6	0	0
Multan (Surf.)	69.3	+1.3	79	31	43.4	+1.4	38	16	0.10	—0.27	0.08	26	0	— 1.2	(x)	—	0	0	2	0	0
Leiak (R)																					
BAHAWALPUR																					
Khanpur (P.B.O.)	71.6	—	77	9	39.0 (a)	—	22	1	0.00	—	0.00	—	0	1.7	.7	—	0	0	2	2	0
Bahawalpur	71.3	+1.4	79	9	41.2	+0.9	37	18	0.05	—0.11	0.05	26	0	—0.6	1.7		0	0	0	0 0	
Fort Abbas	67.8	—	73	10	38.9	—	35	7,18	0.00	—	0.00	—	0	—	15	—	0	0	0	0	0
PESHAWAR																					
Chakdara	58.6	—	65	9	33.5	—	30	16	0.53	—	0.53	11	1	—	(x)	—	0	0	0	0	0
Peshawar	64.5	+1.5	74	8	38.7	—1.7	32	15	0.62	—0.82	0.36	20	2	—0.9	1.6	+0.4	0	0	0	2	0
Resalpur	64.7	—	73	8	33.4	—	27	16	0.21	—	0.13	21	1	—	2.2	—	0	0	4	1	0
Haripur	64e3	—	75	9,10	37.4	—	34	16,17,18	0.32	—	0.21	27	2	—	4.8	—	1	0	0	0	0
Kohat (P.A.F.)	64.5	—	75	8	42.0	—	35	15	0.52	—	0.32	20	2	—	5.4	—	0	0	0	0	0
D. I. KHAN																					
Bannu	*	—	—	—	40.1	+0.2	33	14	0.05	—0.47	0.05	20	0	—1.2	1.0	—	0	0	0	0	0
D. I. Khan	69.0	+1.0	75	3	39.0	—1.3	34	16	0.07	—0.38	0.06	31	0	—1.2	0.6	—0.4	0	0	0	0	0
AFGHANISTAN																					
Jalalabad (x) ...																					
QUETTA																					
Sibi	73.4	+3.3	79	8,9	41.1	—0.9	34	22	0.00	—0.44	0.00	—	0	—1.1	2.0	—0.1	0	0	0	0	1
KALAT																					
Nokkundi	66.1	+2.7	79	10	38.0	—0.3	24	21.22	0.00	—0.89	0.00	—	0	—2.0	(x)	—	0	0	0	0	0
Turbat	77.6	—	86	11	(x)	—	(x)	—	1.26	—	1.22	25	1	—	(x)	—	0	0	0	0	0
Jiwani	74.2	—	80	11,16	56.1	—	45	25	0.55	—	0.31	24	2	—	5.6	—	0	0	0	0	0
Pasni	75 2	+0.7	82	11	53.2	—1.5	54	2.2	0.36	—1.59	0.27	2.5	1	—1.3	(x)	1	0	0	0	0	0
KARACHI																					
Ormara	75.3	+1.5	81	12	52.9	—3.6	42	22	0.04	—1.51	0.04	25	0	—1.8	3.5	—0.5	0	0	2	1	0
Lasbela (R)																					
Karachi (Manora)	77.8	+2.3	84	12	58.9	+1.5	46	22	0.00	—0.46	0.00	—	0	—1.0	(x)	—	0	0	0	0	0
Karachi (Mauripur)	77.4	—	83	12,14	51.4	—	41	22	0.00	—	0.00	—	0	—	(x)	—	0	0	0	0	0
Karachi (City)	77.0	—	83	12	50.5	—	41	22	0.00	—	0.00	—	0	—	1.4	—	0	0	0	0	0
Karachi (Airport)	78.3 (e)	—	83	9,13	48.2	—	41	22	0.00	—	0.00	—	0	—	3.3	—	0	0	0	0	0
Gadap	78.1	—	84	9,10	51.8	—	42	22	0.00	—	0.00	—	0	—	2.8 (a)	—	0	0	0	0	0

(x) — Data rejected

(x) Date not available.
R, Register not recieved.

(*) Data rejected

(a) Mean for 30 days.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF JANUARY, 1962.

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.	Departurre 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
	GMT.	Ft.	Mb.	Mb.	Mb.	oF	oF	oF	Mb.	Mb.			oktas								
HYDERABAD																					
Dadu	71.3	—	75	17,18	42.9	—	40	5 days	(x)	(x)				(x)			(x)			(x)	
Mithi	81.1	—	86	10,11	39.7	—	33	2	0.00	—	0.00	—	0	—	1.2	—	0	0	0	0	0
Nagarparker	79.1	—	86	10	(x)	—	(x)	—	0.00	—	0.00	—	0	—	(x)	—	0	0	0	0	0
Umerkot	78.6	—	85	11,31	43.8	—	35	21	0.00	—	0.00	—	0	—	(x)	—	0	0	0	0	0
Chhor	78.8	—	86	10	38.9	—	32	21	0.00	—	0.00	—	0	—	0.9	—	0	0	1	0	0
Hyderabad	76.3	+0.5	85	10,11	50.0	—0.6	39	21	0.00	—0.17	0.00	—	0	—0.5	1.5	—2.1	0	0	0	1	0
Badin	81.5	+5.2	87	11,17	4.66	—0.6	40	3 days	0.00	—0.15	0.00	—	0	—	(x)	—	0	0	0	0	0
KHAIRPUR																					
Padidan	74 5	—	81	9	38.7	—	32	21	0.00	—	0.00	—	0	—	2.4	—	0	0	0	0	0
Nawabshah	75.8	—	81	31	40.3	—	36	21,22	0.00	—	0.00	—	0	—	1.5	—	0	0	0	1	0
Sukkur	73.9	+1.6	81	31	46.0	+1.0	41	21,22	0.00	—0.18	0.00	—	0	—0.4	(x)	—	0	0	0	4	0
Kashmore	72.9	—	79	9	*	—	—	—	0.00	—	0.00	—	0	—	(x)	—	0	0	0	0	1
Jacobabad	73.4	+2.0	79	9	44.3	—0..6	33	5	0.00	—0.23	0.00	—	0	—0.7	0.4	—2.2	0	0	0	0	1
JUNAGARH																					
Veraval	(x)	—	—	(x	—	—	(x)	—	9.00	—	0.00	—	0	—	(x)	—	0	0	0	0	0
ARABIA																					
Muscat (x)																					
HILL STATIONS																					
KASHMIR																					
Srinagar (x)																					
Gulmarg (x)																					
Gurez (x)																					
Sonamarg (x)																					
Dras (x)																					
Kargil (x)																					
Leh (x)																					
Skardu	34.1	+0.6	43	13	12.7	—3.7	0.3	3,16	0.02	—0.86	0.02	1	0	—2.8	0.7	—0.3	0	0	3	0	0
Misgar	29.6	—	37	30	7.9	—	0	16,17,	0.06	—	0.05	29	0	—	2.8	—	0	0	0	0	0
Aliabad (x)																					
Gilgit P.B.O.	49.2	—	57	31	24.5	—	16	16	0.02	—	0.01	1,18	0	—	1.6	—	0	0	6	0	0
Gilgit (Surf) (x)																					
RAWALPINDI																					
Murree	45.7	+0.5	61	8	31.1	+0.4	25	14,21,22	0.85	—2.94	0.37	27	3	—3.1	5.5	+0.5	1	0	6	0	0
PESHAWAR																					
Drosh	52.6	+6.9	62	110,30	33.4	+2.0	30	4 days	0.51	—0.86	0.47	11	1	—2.4	31	+0.6	0	0	0	0	0
Cherat	51.9	+2.7	62	10	34.4	—4.5	30	20,21	1.77	—0.56	1.36	26	3	—0.5	*	—	0	1	0	0	0
Kakul	56.5	—	65	8	37.5	—	31	15	0.49	—	0.27	11	2	—	(x)	—	2	0	0	0	0
Balakot	59.0	—	68	8	36.0	—	31	18	1.01	—	0.80	12	2	—	1.8	—	0	0	0	0	0
Landikotal	54.2	—	64	9	30.8	—	18	22	1.73	—	1.08	20	2	—	(x)	—	0	0	0	0	0
Parachinar	53.3	+3.5	66	8	29.3	+0.7	22	15	0.19	—1.84	0.15	11	1	—3.6	1.4	—0.3	0	0	0	0	0

X — Data rejected.
(x) — Data not available.

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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
D. I. KHAN	Mb.	oF	Mb.	Mb.	Nb.	oF	oF	oF	Mb.	Mb.	%		oktas								
Miranshah	60.7	+4.0	73	8	33.8	—1.9	28	16	1.16	+0.66	1.25	21	2	+0.1	2.7	—0.9	0	0	0	0	0
Wana	58.5	+5.2	65	8,13	*	—	—	—	0.00	—1.39	0.00	—	0	—3.0	0.1	—	1	0	1	0	0
AFGHANISTAN																					
Kabul (x)																					
Kandahar (x)																					
QUETTA																					
Fortsandeman P.T.	58.3	+3.6	70	7	32.1	+1.5	27	3 days	0.20	—0.52	0.20	20	1	—1.1	(x)	—	0	0	0	0	0
Fortsandeman P.B.O.	57.2	—	67	9,10	30.5	—	6	26.27	0.36	—	0.34	21	1	—	1.9	—	0	0	0	0	0
Hindubagh	53.6	—	65	10	*	—	*	—	0.00	—	0.00	—	0	—	*	—	0	0	0	0	0
Loralai	57.2		65	8	27.5	—		3	0.00	—0.76	0.00	—	0	—1.9	36	—	0	0	0	0	0
Harnai	(x)	—	(x)	—	(x)	—	(x)	—	0.00	—0.89	0.00	—	0	—2.0	(x)	—	0	0	0	0	0
Quetta (Samungli)	50.6	—	64	10,9	24.4	—	13	22	0.0	—	0.02	26	0	—	4.	—	0	0	0	0	0
Quetta (P.T.)	51.4	—	67	9	23.2	—	16	0,72	0.00	—	0.00	—	0	—	1.2	0.0	0	0	0	0	0
Quetta (P.B.O.)	52.6	—	67	10	26.0	—	16	20	0.04	—	0.04	26	0	—	2.1	—	0	0	0	0	0
Chaman	53.5	+1.1	65	10	32.9	—1.6	20	20	0.00	—1.64	0.00	—	0	—4.4	(x)	—	0	0	0	0	0
Nushki	60.6	—	75	10	40.0	—	24	20	0.20		0.20	25	1	—	(x)	—	0	0	0	0	0
Dalbandin	63.5	+2.0	77	10	28.5	—6.8	18	21	0.00	—0.88	0.00	—	0	—2.1	4.2	+1.4	0	0	0	0	0
KALAT																					
Kalat	51.5	+2.0	66	8	23.8	—2.1	10	21	0.00	—1.31	0.00	—	0	—3.5	(x)	—	0	0	0	0	0
Panjgur (P.B.O.)	63.5	—	74	8	35.7	—	27	22,27	0.17	—	0.17	25	1	—	4.4	—	0	0	0	0	0
Panjgur (P.T.)	61.6	—1.3	72	3 days.	35.3	—3.3	27	2, 3 days.	0.12	—0.71	0.10	25	1	—0.9	*	—	0	0	0	0	0

* Data rejected.
(x) Data not available.

Met. Dept.

REG. No. S-1452

PAKISTAN WEATHER REVIEW, 1962

MONTHLY WEATHER REPORT

FEBRUARY

(PUBLISHE BY THE AUTHORITY OF THE GOVERNMENT OF PAKISTAN)

Chief Features:

1. Dry weather in East Pakistan except on a few days of the second week and during the last week of the month.

2. Dry weather practically throughout the southern half of West Pakistan.

East Pakistan:

Weather remained dry during the first week. Thereafter, a westerly low pressure wave moved across the region in the earlier part of the second week. It caused widespread rain or thundershowers in Dacca division on the 9th scattered rain or local falls in Khulna division on the 8th and in Rajshahi and Chittagong divisions on both the days. A feeble westerly low pressure wave while moving away northeastwards across the northern areas of the region towards the middle of the second fortnight caused light rain in Rajshahi division on the 22nd. It was closely followed by another wave which moved across the region on the 23rd and the 24th. Under its influence, scattered thunderstorms or showers were reported from Dacca, Chittagong and Khulna divisions on the 24th and only from Dacca division on the next day. Dacca was hit by a duststorm accompanied with winds of speed of 30 kts on the afternoon of the 23rd as reported by newspapers. During the last three days of the month two more westerly low pressure waves approached the region from West Bengal and moved away eastwards to Assam by the end of the month. They caused scattered or local rain or thundershowers in Chittagong, Dacca and Rajshahi divisions on the 26th, widespread in Dacca division and local in Chittagong and Khulna divisions on the 27th and local only in Chittagong division on the 28th.

Chief amounts of rainfall recorded during the month were:—Sylhet 2″, Srimangal and Barisal 1¼″ each, Faridpur and Jessore 3/4″ each, on the 27 and Chittagong 1″ on the 28th.

The total rainfall during the month was in moderate defect over the region outside Khulna division where it was in large defect. Averaged over the region as a whole it was in large defect.

The mean maximum temperature was normal in Chittagong and Dacca divisions and above normal elsewhere.

The mean minimum temperature was above normal in Chittagong and Rajshahi divisions and normal over rest of the region.

The mean relative humidity was normal every-where.

The skies were less clouded than usual in Khulna and Rajshahi divisions and normal elsewhere.

West Pakistan

A western disturbance while moving away northeastwards across the extreme north of the region caused local rain or thundershowers in Sargodha and scattered in Rawalpindi division; light rain or drizzle in Lahore and Peshawar divisions also on the first day of the month. Thereafter a western disturbance approached the southern areas of Afghanistan on the 6th and moved away eastwards across Lahore division by the 8th. This caused fairly widespread rain or thundershowers in Rawalpindi and Peshawar divisions, local in D.I. Khan division and light rain or drizzle in Lahore and Sargodha divisions on the 7th and local rain or thundershowers in Lahore and Rawalpindi divisions on the 8th, Chakdara recorded 1½″ and Murree 1″ on the 7th. An active western disturbance moving across the north of Afghanistan induced a secondary over southeast Iran and adjoining Kalat division on the 9th. The system moved slowly eastnortheastwards and affected most of the province during the next three days. Under its influence rain or thundershowers were fairly widespread in Peshawar division on the 9th and the 11th and scattered on the 10th and the 12th; Cherat and Landikotal recorded 1″ each on 9th and 11th respectively. Local rain or thundershowers were reported from Rawalpindi division on the 9th and 11th from D. I. Khan division on the 10th and from Kalat and Khairpur divisions on the 12th. Scattered thunderstorms were also reported from Lahore division on 12th, and a few falls of snow from the hills of Rawalpindi and Peshawar dinisions respectively on the last two days.

On the first day of the second forthnight scattered rain fell in Multan division due to the passage of a feeble western disturbance across the northern parts of the region. Thereafter two active western disturbance moved across the northern parts of the region in close succession and each of them developed a secondary circulation in the southern parts of the province. They caused failrly widespread rain or thundershowers practically through out the northern and the central divisions on the 16th and the 17th except in Quetta division where these were scattered on both the days and also in Bahawalpur division when these occurred only on the 16th. Local thunderstorms or showers were also reported from Lahore, Rawalpindi and Peshawar divisions on the 18th with a few snow-fall on the hills of the last two divisions. Murree and Cherat recorded 1½″ each and Chakdara and Landikotal 1″ each on the 18th.

Three western disturbances and their associated troughs extending southwards brought in a marked spell of wet weather during the last week of the month. The first one which approached Afghanistan and Adjoining areas of West Pakistan on the 21st caused a few thunderstorms in Quetta divisions on the 22nd and scattered rain in Quetta and D. I. Khan divisions and light rain or drizzle in Kalat division the next day. It moved away eastwards across Lahore division by the 24th and was closely followed by the second. Under their combined influence rain or thundershowers were fairly widespread in Lahore and Rawalpindi divisions on the 24th and the 25th; local in Peshawar division on both these days and also on the 26th; in D.I. Khan division only on the 24th and scattered in Quetta division and in Rawalpindi division on the 26th. A few thunderstorms were also reported from Multan and Sargodha divisions respectively on the 24th and the 25th; Jhelum recorded 1½″ of rain on 24th. The third and the last western disturbance casued scattered thunderstorms or showers both in Rawalpindi and Peshawar divisions on the 27th and only in the latter division on the 28th.

The total rainfall during the month was in large excess in Lahore Sargodha, Bahawalpur and D. I. Khan divisions, in moderate defect in Multan division in slight defect in Rawalpindi and Peshawar divisions and in large defect elsewhere. Averaged over the region as a whole, it was in moderate defect.

The mean maximum temperature was above normal in Peshawar, Quetta, Kalat, Karachi and Hyderabad divisions and normal elsewhere. The mean minimum temperature was above normal in Lahore, Multan, Bahawalpur, Quetta, Kalat and Khairpur divisions and normal over rest of the region.

The mean relative humidity was in defect in Quetta division in excess in Sargodha, Bahawalpur, D.I. Khan, Hyderabad and Khairpur divisions and normal elsewhere.

The skies were less clouded than usual in Sargodha and Kalat Divisions, more clouded in Hyderabad and Khairpur divisions and normal over rest of the region.

Table I contains the divisional means of rainfall, temperature, relative humidity and cloud amount for the 18 chief political 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 MEANS FOR FEBRUARY 1962.—*contd.*

Division	PRECIPITATION				DEPARTURE FROM NORMAL OF				
	Actual	Normal	Departure from normal	Percentage departure from normal	Maximum temperature	Minimum temperature	03 hrs. G. M. T.		
							Vapoure pressure	Relative humidity	Cloud
1	2	3	4	5	6	7	8	9	10
EAST PAKISTAN	"	"	"	md	°	°	mb	%	
Chittagong	0 53	0.87	—0.34	—39	+1.2	+2.4	+0.6	—1	—0.0
Dacca	0.69	1.10	—0.41	—37	+2.6	+1.6	—1.0	—2	—0.3
Khulna	0.04	0.98	—0.94	—96	+0.1	+1.2	+1.0	—1	—0.5
Rajshahi	0.41	0.71	—0.30	—42	+3.3	+3.9	+1.4	—3	—0.7
Mean	0.42	0.91	—0.49	—54	+1.7	+2.3	+0.5	—2	—0.3
WEST PAKISTAN									
Kashmir (x)									
Lahore	1.59	0.97	+0.62	+64	—0.7	+5.4	+1.5	+5	—0.6
Rawalpindi	3.00	3.39	—0.39	—12	+1.1	+1.5	+0.5	+5	+0.6
Sargodha	1.17	0.75	+0.42	+56	+1.2	+0.7	+1.9	+14	—1.4
Multan	0.25	0.44	—0.19	—43	+0.8	+3.3	+0.6	+3	—0.2
Bahawalpur	0.53	0.26	+0.27	+104	+1.6	+3.5	+1.2	+7	—0.3
Peshawar	1.45	1.90	—0.45	—24	+2.9	+1.1	+0.6	+3	—0.1
D. I. Khan	2.13	1.22	+0.91	+75	+0.7	+1.6	+1.6	+9	+0.4
Quetta	0.15	1.77	—1.02	—87	+5.3	+3.7	—0.3	—10	—0.5
Kalat	0.04	1.04	—1.00	—96	+4.9	+2.5	—0.0	—3	—1.0
Karachi	0.00	1.31	—1.31	—100	+4.4	+0.4	+1.3	+1	0.0
Hyderabad	0.00	0.31	—0.31	—100	+4.9	—0.2	+0.9	+7	+0.7
Khairpur	0.10	0.31	—0.21	—68	+1.5	+3.3	+0.7	+7	+0.7
Mean	0.52	1.00	—0.48	—48	+3.4	+2.3	+0.5	+1	—0.3
Junagadh (x)									

(x) Data not available.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF FEBRUARY, 1962.

DIVISION AND STATION	Hours of observation.	Height of bar cistern above mean sea level.	Mean Pressure: Station level reduced to standard temperature and gravity.	Departure from normal.	Reduced to standard temperature and M.S.L. or geopotential of 850/700 mbs. pressure level in Gpm.	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
	GMT.	Ft.	Mb.	Mb.	Mb.	oF	oF	oF	Mb.	Mb.	%	%	oktas										
CHITTAGONG																							
Rangamati	0000	208	1008.0		1015.5	62.8	60.7	58.9	17.2		88		6.7		7	1	4	0	6	1	2	7	0
	0300		1010.2		1017.6	69.9	64.2	60.4	17.9		73		1.5		9	0	1	1	10	0	2	5	0
	1200		1006.3		1013.5	78.2	65.3	56.5	15.5		47		×		5	1	2	0	4	4	10	2	0
Cox's Bazar (P. T.)	0000	38																					
	0300		1014.2	+0.6	1015.5	71.7	66.1	62.4	19.4	+1.0	73	+4	1.5	0.0	4	4	8	4	2	1	0	5	0
	1200		1011.1		1012.4	75.6	69.4	65.6	21.8		72		2.3		5	1	0	0	1	2	5	14	0
Chittagong (Potanga)	0000	20	1013.5		1014.2	61.8	60.2	58.9	17.1		90		1.3		3	9	3	1	1	0	0	0	11
	0300		1015.5		1016.2	69.8	64.2	60.5	18.0		73		1.6		1	14	3	3	0	0	0	0	7
	1200		1012.3		1013.0	75.3	67.5	62.1	19.5		65		1.6		0	0	0	0	1	1	11	7	8
Chittagong (Surface)	0000	46																					
	0300		1014.4	+0.4	1016.1	72.6	64.3	58.8	16.8	—0.5	62	—9	1.8	0.0	2	13	4	4	0	0	0	0	5
	1200		1010.7		1012.4	75.0	66.1	60.4	17.9		61		1.5		1	0	1	0	1	3	9	7	6
Maijdi Court (R.)	0000	25																					
	0300																						
	1200																						
Comilla (R.)	0000	29																					
	0300																						
	1200																						
Brahmanbaria	0000	32	1013.2		1014.3	60.7	58.5	57.5	15.8		89		1.7		0	1	1	1	1	1	0	4	19
	0300		1015.4		1016.5	70.0	63.6	59.2	17.2	+1.3	69	+2	2.1		2	1	2	1	2	2	3	5	10
	1200		1011.5		1012.6	76.2	65.6	58.4	17.8		54		1.3		2	1	0	0	0	0	3	0	22
Sylhet	0000	115	1009.9		1014.1	58.5	56.5	54.7	14.7		87		2.3		0	0	18	2	0	0	0	1	7
	0300		1012.0		1016.2	67.4	61.8	57.7	16.3		72		2.4		0	1	26	1	0	0	0	0	0
	1200		1008.3		1012.3	73.8	63.9	56.7	16.2		57		1.5		0	0	2	0	1	3	9	0	13
Srimangal (R)	0000																						
	0300																						
	1200																						
DACCA																							
Mymensingh	0000	62	1012.1		1014.4	59.2	57.6	56.3	15.5		90		1.3		1	0	3	0	0	0	1	0	23
	0300		1014.5	+1.1	1016.7	66.1	61.9	58.8	17.7	+2.2	78	+4	1.8	—0.5	0	0	12	3	0	0	5	0	8
	1200		1010.6		1012.8	77.4	67.2	60.7	17.0		57		1.3		0	0	3	0	0	0	3	0	22
Jamalpur (R.)	0800	—																					
	0300																						
	1200																						
Narayanganj	0000	26	1013.4		1014.3	61.6	59.4	57.5	16.4		87		0.7		0	1	0	0	0	0	0	1	26
	0300		1015.4	+1.0	1016.3	71.1	63.5	58.3	16.6	—0.1	64	—7	2.0	—0.5	1	0	2	1	2	1	0	4	17
	1200		1011.7		1012.5	78.5	66.6	58.7	16.9		51		1.7		0	0	0	1	1	0	1	1	24
Dacca (Tejgaon) ...	0000	32	1012.4		1013.5	58.7	57.3	56.1	15.4		92		2.2		1	1	0	1	2	0	0	6	17
	0300		1014.7		1015.8	69.3	63.1	58.8	17.0		70		1.9		2	0	3	0	0	3	1	6	13
	1200		1011.0		1012.1	75.6	64.3	55.9	15.4		52		1.5		2	0	0	0	0	2	6	8	10

'R'— Register not received.
× Data not available.

Feb.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF ~~JANUARY~~, 1962.

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 geopotential of 850/700 mbs. pressure level in Gpm.	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	23
	GMT.	Ft.	Mb.	Mb.	Mb.	oF	oF	oF	Mb.	Mb.	%	%	oktas										
DACCA (Division)—contd.																							
Faridpur	0000	46	1013.1		1014.8	59.0	57.4	55.8	15.4		89		1.9		8	2	9	1	1	0	0	4	12
	0300		1015.5	+2.0	1017.1	69.5	63.4	59.0	17.2	+0.9	70	—4	2.1	+0.1	12	0	1	0	1	1	1	4	8
	1200		1011.4		1013.0	76.0	66.6	60.9	18.1		60		1.9		2	0	0	0	0	1	0	1	24
KHULNA																							
Barisal (R)	0000	11																					
	0300																						
	1200																						
Khulna	0000	16	1013.7		1014.3	62.0	60.8	59.8	17.5		93		1.7		0	0	0	0	0	0	0	0	28
	0300		1016.0	+1.2	1016.5	71.8	65.4	61.2	18.6	+2.1	70	+4	2.0	—0.5	1	4	0	0	1	0	0	0	22
	1200		1011.7		1012.3	79.1	68.7	62.4	20.1		57		1.0		0	1	0	0	1	1	0	0	25
Satkhira	0000	16	1014.6		1015.2	59.9	58.5	57.3	16.1		92		2.0		0	0	0	0	0	0	0	0	28
	0300		1016.4	+1.8	1017.0	70.3	63.6	58.6	17.1	0.0	68	—6	1.9	—0.5	3	0	0	0	0	2	0	0	23
	1200		1012.0		1012.6	80.2	68.2	60.4	18.2		52		2.4		0	0	0	0	0	1	0	0	27
Jessore (R)	0000	26																					
...	0300																						
	1200																						
RAJSHAHI																							
Pabna (R)	0000	48																					
	0300																						
	1200																						
Ishurdi	0000	—				57.0	55.5	54.1	14.4		91		2.6		7	1	3	1	4	3	2	4	3
	0300					68.9	62.4	57.4	16.3		68		2.1		12	1	2	4	4	0	3	2	0
	1200					76.0	65.3	58.0	16.5		55		2.1		2	3	0	0	1	3	9	10	0
Sirajgonj	0000	51	1012.5		1014.4	58.9	57.1	55.8	15.1		89		1.0		0	0	0	0	0	0	0	0	28
	0300		1014.3		1016.2	69.9	62.7	58.3	16.2		69		1.1		0	1	0	0	1	1	1	7	17
	1200		1010.4		1012.2	76.4	65.8	57.6	16.9		58		1.0		0	0	0	0	0	0	0	0	28
Rajshahi (R)	0000																						
	0300																						
	1200																						
Bogra	0000	65	1011.6		1014.0	58.7	57.3	56.0	15.3		92		1.5		0	0	1	0	0	0	2	1	24
	0300		1013.7	+0.8	1016.1	68.0	62.2	58.2	16.5	+1.8	77	+5	1.9	0.0	4	7	1	2	0	2	1	4	7
	1200		1009.9		1012.2	77.1	66.2	58.6	16.9		54		1.6		0	0	0	0	1	3	6	1	17
Dinajpur	0000	123	1009.8		1014.3	57.0	54.7	52.2	13.6		85		0.5		0	0	0	0	0	0	0	0	28
	0300		1012.0	+1.2	1016.4	68.6	61.2	55.2	15.0	+1.0	63	—10	0.6	—1.3	0	0	0	0	0	0	0	0	28
	1200		1007.6		1011.9	77.2	65.2	56.7	15.8		50		0.8					(x)					
Rangpur	0000	113	1010.7		1014.9	56.2	54.8	53.5	14.0		91		0.9		10	3	0	0	0	0	0	0	15
	0300		1012.6		1016.7	65.9	61.4	57.9	16.5		76		1.7		6	9	5	0	4	1	1	0	2
	1200		1008.1		1012.2	74.8	64.9	58.0	16.6		57		1.9		1	1	0	0	0	1	2	2	21

(R) — Rejected not received.
(x) + Data not availabe

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF ~~JANUARY~~ Feb, 1962.

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 geopotential of 850/700 mbs. pressure level in Gpm.	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	GMT.	Ft.	Mb.	Mb.	Mb.	oF	oF	oF	Mb.	Mb.	%	%	oktas										
Jammu (x)	1300																						
	1200																						
LAHORE																							
Lahore (Jail road)	0000	702	990.8		1016.4	52.7	50.2	47.5	11.2		83		1.9		2	3	2	0	0	0	0	9	12
	0300		992.1	+1.4	1017.6	53.7	50.7	47.7	11.2	+1.5	80	+5	2.5	—0.6	1	6	1	1	0	1	3	4	11
	1200		989.9		1014.6	69.3	58.4	48.5	11.8		47		3.1		0	4	1	1	0	0	5	11	6
Lahore (Cantt.)	0000	709	990.2		1015.9	52.2	49.9	47.5	11.2		84	—	2.1	—	1	2	0	0	0	0	3	5	17
	0300		991.4	—	1017.1	53.1	50.5	47.7	11.4	—	82	—	2.8	—	0	6	2	0	0	2	1	8	9
	1200		989.2		1014.1	69.3	58.1	47.7	11.5		47		3.7		1	7	1	2	0	0	6	8	3
Sialkot (R)	0000	830																					
	0300																						
	1200																						
RAWALPINDI																							
Jhelum	0000	767	988.2		1016.2	49.6	47.6	45.2	10.3		85		2.6		2	0	0	0	0	0	1	12	13
	0300		989.6	—	1017.7	50.2	47.7	44.9	10.2	—	82	—	3.3	—	3	3	2	3	1	0	2	7	7
	1200		987.6		1014.7	68.9	56.2	43.4	9.7		40		3.1		1	1	0	0	1	1	4	11	9
Chaklala	0000	1667	957.7		1018.1	45.3	43.8	42.2	9.1		89		2.2		10	1	0	1	0	0	3	1	12
	0300		958.9	—	1019.4	45.5	44.6	42.3	9.7	—	92	—	3.8	—	6	1	0	1	0	0	3	3	14
	1200		957.1		1015.1	63.9	52.7	41.2	9.1		46		4.3		2	2	2	0	1	0	17	3	1
Rawalpindi	0000	1675	957.3		1017.8	46.4	44.9	43.4	9.6		89		(g) 1.8		3	2	1	0	1	0	1	2	18
	0300		958.5	+1.3	1019.1	47.0	45.4	43.7	9.7	+1.2	89	+11	3.9	+0.6	2	3	0	0	2	2	3	0	16
	1200		956.6		1015.2	62.9	53.0	43.1	11.4		50		4.6		3	2	0	1	2	3	13	2	2
Campbellpur	0300	1175	975.6	—	1018.3	49.6	46.6	43.1	9.6	—	78	—	*	—	0	0	0	0	0	0	0	1	27
	1200		973.1		1014.4	65.2	54.5	43.4	10.2		44		*		1	4	1	0	0	0	0	2	20
SARGODHA																							
Khushab	0000	616	*		*	49.9	47.4	44.7	10.1		82		0.6		0	2	0	0	0	1	0	0	25
	0300		995.2	+0.7	1017.8	51.1	48.1	44.6	10.1	+1.8	79	+14	2.1	—0.9	0	1	1	0	0	0	0	0	26
	1200		993.1		1014.8	70.5	57.8	45.6	10.7		42		1.5		0	5	2	1	0	3	2	1	14
Sargodha	0000	617	994.1		1016.7	48.8	47.2	45.4	10.3		88		1.4		2	7	1	0	1	3	4	3	7
	0300		995.4	—	1018.0	50.0	47.9	45.5	10.4	—	85	—	4.1	—	4	5	1	0	0	5	1	3	9
	1200		993.4		1015.1	70.1	56.7	42.5	10.0		38		4.0		2	11	1	1	0	5	3	4	1
Mianwali	0000	679	*		*	*	*	—	—		—		*		*								*
	0300		*	—	*	49.4	46.7	43.7	9.7	—	80	—	*	—	*								*
	1200		*		*	68.5	56.7	45.6	10.4		44		*		*								*
Lyallpur	0000	605	994.5		1016.6	50.2	48.5	46.4	10.9		87		1.4		0	5	0	0	0	0	0	0	23
	0300		995.6	+1.7	1017.8	50.5	49.0	47.5	11.2	+1.9	89	+14	1.9	—1.9	2	0	0	1	1	0	1	0	23
	1200		993.4		1014.8	69.7	58.6	48.4	11.8		48		2.9		8	2	3	0	0	1	1	9	13
MULTAN																							
Montgomery	0000	558	(d) 995.6		(d) 1016.0	50.6	49.1	47.1	11.2		89		1.0		1	5	0	2	0	0	0	4	16
	0300		(a) 957.2	+1.2	1017.6	53.3	50.5	47.8	11.2	+1.2	82	+4	2.3	—0.1	1	9	0	1	0	0	0	2	18
	1200		995.1		1014.7	70.8	58.4	47.0	11.1		43		2.3		2	6	2	2	0	0	0	1	15
Multan (P. B. O.)	0000	404	1004.3		1016.3	52.1	49.0	45.8	10.4		79		1.3		4	1	0	1	0	0	0	2	20
	0300		1003.1	—	1018.1	51.1	48.3	44.6	10.3	—	79	—	2.3	—	7	1	0	1	1	0	0	1	17
	1200		1000.3		1014.6	72.7	57.7	43.6	9.5		35		2.9		7	4	6	3	3	1	1	0	3

(g) — Mean for 24 days.
(d) — Mean for 27 days.

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

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF FEBRUARY, 1962.

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 geopotential of 850/700 mbs. pressure level in G.p.m.	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
	GMT.	Ft.	Mb.	Mb.	Mb.	oF	oF	oF	Mb.	Mb.	%	%	oktas										
MULTAN—contd.																							
Multan (Surface)	0300	413	1002.8	+1.5	1017.9	55.7	51.1	46.4	10.7	0.0	71	+1	2.2	−0.3	6	0	5	0	0	0	0	0	17
	1200		999.8		1014.3	72.3	58.6	46.7	10.7		40		3.2		7	0	4	0	0	0	0	0	17
Leiah (*R*)	0000	487																					
	0300																						
	1200																						
BAHAWALPUR																							
Khanpur	0000	290	1005.4		1016.1	52.0	48.9	45.5	10.4		79		1.1		1	7	1	0	0	0	0	0	19
	0300		1006.9	—	1017.6	52.9	49.6	45.7	10.7	—	77	—	2.7	—	5	5	1	0	0	0	0	0	17
	1200		1003.8		1014.1	75.1	58.7	42.6	9.6		32		2.0 (*d*)		2	10	0	0	0	2	2	0	12
Bahawalpur	0300	384	1003.6	+1.9	1017.7	54.5	50.5 (*h*)	47.4 (*h*)	10.7	+1.2	74	+7	2.3	−0.3	4	3	0	3	0	3	0	1	14
	1200		*		*	71.6	58.8	49.8	11.2		42		0.5		4	4	0	0	0	0	0	0	20
Port Abbas	0000	475	999.2 (*g*) (*d*)		1016.8 (*g*) (*d*)	50.5	48.2	45.7	10.5		83		0.0		14	1	0	0	0	0	0	0	13
	0300		1000.4	—	1017.7	52.6	49.8	46.3	11.0	—	81	—	0.0	—	5	1	1	0	3	1	1	0	16
	1200		997.7		1014.3	72.8	59.2	46.3	11.1		41		0.0		15	3	1	0	0	0	3	3	3
PESHAWAR																							
Chakdara	0000	2197	938.8		1018.1	42.1	40.1	37.3	7.6		84		1.4		5	0	0	0	1	0	0	0	22
	0300		939.8	—	1019.0	43.8	41.7	38.7	8.1	—	84	—	2.0	—	3	0	0	0	1	0	0		24
	1200		937.9		1014.1	60.5	51.0	41.2	9.0		50		1.8		1	0	0	2	1	0	1	0	23
Peshawar	0000	1177	975.0		1018.0	48.1	46.1	43.9	9.7		85		3.1		0	2	0	2	4	9	0	1	10
	0300		976.3	+0.6	1019.1	48.5	46.2	43.5	9.7	+1.5	83	+7	4.5	−0.6	1	0	0	2	1	8	0	2	14
	1200		974.4		1015.8	64.7	54.7	44.4	10.1		49		4.3		3	3	2	2	2	1	0	2	13
Risalpur	0000	1047	979.5		1017.5	46.5	45.3	43.6	9.7		90		2.7		2	1	0	0	0	0	5	2	18
	0300		980.7	—	1018.7	46.4	45.3	44.0	9.8	—	91	—	3.7	—	0	0	0	0	0	2	6	0	20
	1200		978.6		1015.2	65.1	55.1	44.7	10.3		49		3.8		2	1	2	1	0	0	5	7	10
Haripur	0300	1757	*	—	*	48.1	44.7	40.7	8.7	—	76	—	4.1	—	0	3	0	2	1	13	5	4	0
	1200				*	62.6	53.9	46.3	10.7		55		3.0		0	4	0	10	0	10	0	4	0
Kohat	0000	1683	957.9		1018.2	50.9	45.2	38.3	8.0		63		3.4		3	1	0	0	0	0	0	19	5
	0300		959.1	—	1019.4	51.6	45.6	38.7	8.0	—	62	—	4.2	—	2	2	1	1	1	0	0	18	3
	1200		957.4		1016.1	64.3	51.0	37.9	7.5		36		4.6		4	5	2	1	2	1	2	1	10
D. I. KHAN																							
Bannu	0000	1263	971.1		1017.0	50.7	47.1	42.1	9.4		75		3.0		0	0	0	0	0	0	0	1	27
	0300		972.6	—	1018.3	50.9	47.3	42.6	9.5	+1.4	75	+9	3.8	+1.3	0	1	1	0	0	0	0	3	23
	1200		970.5		1014.7	66.3	55.6	43.4	11.2		46		4.4		1	0	2	7	2	0	0	1	15
D. I. Khan	0000	570	995.7		1016.5	51.3	49.5	47.8	11.2		87		1.7		1	1	0	0	0	0	0	0	26
	0300		997.1	+1.0	1017.9	51.9	49.8	48.0	11.3	+2.6	86	+15	3.1	+0.5	0	2	0	0	0	0	0	1	25
	1200		994.9		1015.0	70.9	*	—	—		—		3.0		0	2	0	0	0	0	0	0	26

(*h*) — Mean for 23 days
(*i*) — Mean for 22 days
(*g*) — Mean for 24 days
(*d*) — Mean for 27 days.

(*R*) — Date not received.
* — Date rejected.
(x) — Date not available.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF FEBRUARY, 1962.

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 geopotential of 850/700 mbs. pressure level in Gpm.	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
	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas										
QUETTA																							
Sibi	0000	441	1001.3		1017.6	51.8	47.7	42.7	7.4		73		1.0		0	0	0	0	2	1	0	7	18
	0300		1002.3	+2.9	1018.8	54.8	47.9	40.2	8.3	+0.7	57	+6	1.5	−1.0	5	1	0	3	0	6	0	6	7
	1200		999.8		1015.1	76.9	60.5	43.4	10.6		34		1.5		4	1	0	8	3	6	0	6	0
KALAT																							
Nokkundi	0000	2229	936.9		1015.0	54.7	46.4	36.3	6.9		51		0.0		5	9	6	1	2	1	0	3	1
	0300		938.6		1017.2	53.9	45.9	35.2	7.4	0.0	50	+1	0.0	−2.5	4	11	8	0	0	0	2	3	0
	1200		935.0		1009.9	77.1	56.5	35.0	7.1		23		0.0		2	1	5	5	7	1	4	2	1
Turbat	0000	510	996.7		1014.9	62.1	57.6	52.2	13.9		70		0.9		1	0	6	2	0	1	1	0	17
	0300		998.1		1016.4	62.8	56.6	49.8	12.9		67		0.9		0	1	10	1	2	0	0	0	14
	1200		994.8		1012.4	83.6	65.6	49.8	13.4		35		0.4		0	0	1	1	2	2	15	6	1
Jiwani	0000	185	1008.3		1014.9	64.9	61.9	59.5	17.6		84		1.2		4	1	0	2	0	2	6	2	11
	0300		1009.7		1016.3	64.8	61.5	58.4	17.2		82		2.5		10	3	1	1	0	0	2	2	9
	1200		1007.6		1014.1	74.9	66.1	60.0	17.9		61		2.3		0	0	2	7	9	6	4	0	0
Pasni	0000	28	1013.3		1014.3	63.0	59.9	58.2	16.2		82		1.8		2	2	1	1	0	0	10	12	0
	0300		1014.9	0.0	1015.9	62.6	59.3	56.2	15.8	+1.2	81	0	2.9	+0.6	2	3	2	0	0	0	8	10	3
	1200		1012.7		1013.7	76.0	66.7	61.0	18.1		59		2.3		0	0	4	10	9	4	1	0	0
KARACHI																							
Ormara	0000	15	1013.8		1014.3	62.5	60.6	58.1	17.2		86		2.1		0	0	0	0	0	0	6	0	22
	0300		1015.0		1015.5	64.3	61.6	59.1	17.5	+1.3	83	+1	2.5	−0.3	0	0	2	1	0	0	5	0	20
	1200		1012.8		1013.3	77.5	65.4	56.0	15.9		49		1.9		0	0	3	3	8	3	10	0	1
Lasbela (R)	0000	292																					
	0300					•																	
	1200																						
Karachi (Manora)	0000	13	1013.9		1014.4	*	*	*	*		*		2.4		0	10	5	0	0	0	5	2	6
	0300		1015.5	+0.3	1016.0	*	*	*	*		*		2.4	+0.3	1	10	7	0	0	0	4	2	4
	1200		1012.6		1013.1	*	*	*	*		*		*		0	1	3	2	1	11	10	0	0
Karachi (Mauripur)	0000	52	1012.3		1014.2	62.8	57.3	524	136		70		1.4		8	7	0	0	0	1	4	3	5
	0300		1013.9		1015.8	62.2	55.7	496	122		65		2.4		6	10	2	0	0	1	2	4	3
	1200		1011.9		1013.7	80.9	63.3	489	11.9		34		1.7		1	2	4	0	2	15	3	1	0
Karachi (City)	0300	20	1014.7		1015.4	63.3	56.8	51.2	12.9		65		2.2		—	—	—	—	—	—	—	—	—
	1200		1008.5		1009.2	79.2	63.6	51.8	13.8		39		1.6		—	—	—	—	—	—	—	—	—
Karachi (Air Port)	0000	73	1011.7		1014.4	60.3	54.8	49.0	12.2		69		0.7		8	10	0	0	0	1	3	1	5
	0300		1013.7		1016.5	61.5	54.9	48.1	11.7		63		2.3		6	6	1	0	0	0	4	1	10
	1200		1010.7		1013.3	80.3	62.6	46.4	11.4		34		1.9		0	5	3	0	1	14	4	0	1
Gadap	0300		x		x	61.8	56.5	51.9	13.2		71		1.2		9	10	0	0	0	3	5	0	1
	1200		x		x	79.6	62.4	46.5	11.4		34		1.0		4	5	0	0 (f)	0	10	8	1	0
HYDERABAD																							
Oadu (f)	0000	131	1010.6		1015.4	54.2	50.7	46.8	11.0		77		0.8		5	12	6	1	0	0	0	1	0
	0300		1012.8		1017.8	55.2	51.2	46.8	11.1		75		2.0		7	7	2	1	1	0	2	5	0
	1200		1008.3		1012.9	78.4	61.4	46.5	10.9		35		1.8		6	10	3	4	2	0	0	0	0

(f) Data for 25 days
(R) Register not received.
(x) Data not available.
* Data Rejected.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF FEBRUARY, 1962.

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 geopotential of 850/700 mbs. pressure level in G.p.m.	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
HYDERABAD—contd.	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas										
Mithi	0000	96	1011.3		1014.8	55.7	51.9	48.1	10.9		76		0.0		0	0	0	0	0	2	0	0	26
	0300		1013.4		1016.9	58.2	53.0	47.5	11.2		67		0.5		0	0	0	0	0	2	0	0	26
	1200		1009.6		1012.9	86.0	66.6	51.4	13.5		32		0.4		0	3	0	0	0	3	2	5	15
Nagarparker	0000	178	1006.8		1013.2	66.0	57.2	48.8	12.1		56		0.3		0	0	0	0	0	0	0	5	23
	0300		1009.1		1015.5	65.3	56.7	48.9	11.8		56		1.2		0	0	0	0	0	1	2	2	23
	1200		1005.7		1011.7	84.2	64.1	47.7	11.4		29		0.9		0	2	1	0	0	4	1	1	19
Umerkot	0000	55	1011.4		1013.4	55.3	51.5	47.4	11.3		75		0.6		6	5	2	0	4	5	0	0	6
	0300		1013.5		1015.4	56.5	52.0	47.1	11.2		72		3.4		8	4	0	0	3	4	0	0	9
	1200		1010.0		1011.9	84.0	66.1	53.0	13.8		35		3.4		7	4	0	0	0	4	6	5	2
Chhor	0000	19	1013.1		1013.8	53.4	48.7	43.0	9.6		69		0.6		0	0	0	0	0	2	0	0	20
	0300		1015.2		1015.9	55.6	50.2	43.8	10.0		66		2.1		0	0	0	0	0	1	0	0	27
	1200		1011.7		1012.4	83.8	61.6	39.8	8.8		22		1.9		6	6	0	0	0	8	5	0	3
Hyderabad	0000	98	1011.0		1018.1	60.2	53.9	47.8	11.3		63		1.5		15	0	0	0	0	1	1	0	11
	0300		1013.0	+0.9	1014.6	60.3	53.6	46.6	11.0	+0.9	62	+3	2.4	+0.7	13	1	0	0	0	0	0	0	14
	1200		1009.8		1016.4	83.0	62.6	27.1	10.2		27		1.6		9	2	1	0	3	2	0	0	11
Badin	0000	31	1013.4		1014.5	59.5	54.5	49.8	12.3		71		*		16	0	0	0	3	4	3	2	0
	0300		1015.6	+2.8	1016.7	58.1	54.9	51.7	13.3	+0.9	80	+12	*		18	0	0	0	0	4	1	1	4
	1200		1011.8		1012.9	84.8	64.4	45.7	11.5		28		*		19	0	0	0	0	4	1	2	2
KHAIRPUR																							
Padidan	0000	153	1009.3		1015.0	53.8	50.5	46.9	11.0		79		1.0		5	2	0	0	0	0	0	1	20
	0300		1011.4		1017.0	52.0	49.1	45.9	10.6		80		2.9		3	3	0	1	0	0	0	12	9
	1200		1008.4		1013.6	78.4	60.5	44.0	9.9		31		1.9		5	9	0	0	6	1	0	6	1
Nawabshah	0000	124	1011.4		1016.1	55.5	50.5	45.4	10.3		70		0.5		9	1	1	0	1	0	3	4	9
	0300		1013.5		1018.2	53.9	49.9	45.4	10.5		74		2.0		6	0	0	0	0	0	3	9	10
	1200		1010.0		1014.1	80.3	61.1	43.0	9.8		28		1.7		5	3	0	3	3	0	2	3	9
Sukkur	0300	221	1008.8	+1.8	1016.9	57.9	52.6	47.1	10.4	+0.7	68	+10	2.9	+1.3	4	10	0	7	3	1	0	0	3
	1200		1005.6		1013.3	77.5	61.6	47.7	11.5		35		2.9		6	7	1	3	1	5	3	2	0
Kashmore	0000	225	*		*	75.7	50.2	42.3	9.0		57		*		0	2	0	0	0	0	0	0	26
	0300		1008.8		1017.7	60.5	51.3	41.1	8.8		49		*		0	1	0	0	0	0	0	0	27
	1200		1007.0		1014.4	79.3	61.8	46.4	11.0		32		*		0	2	0	0	0	0	3	0	23
Jacobabad	0000	183	1008.7		1015.3	57.9	51.2	44.0	9.9		60		0.9		4	2	13	4	2	0	1	0	2
	0300		1010.7	—1.5	1017.5	57.0	50.7	43.9	9.8	+0.7	62	+3	2.2	+0.2	2	1	9	4	1	1	2	0	8
	1200		1007.6		1014.0	77.6	59.3	41.0	9.1		29		3.1		2	5	3	5	4	2	2	0	5
JUNAGADH																							
Veraval	0300	26	(f) 1013.7		(f) 1014.7	(f) 65.2	(n) 55.7	(n) 47.5	(n) 13.9		(n) 51		0.6		6	10	0	1	(f) 1	0	1	4	2
	1200		(f) 1010.9		(f) 1011.9	(f) 78.1	(f) 70.1	(f) 65.0	(f) 21.5		(f) 65		1.5		0	1	0	1	0	(i) 6	9	4	0
ARABIA																							
Muscat (X)	1200																						

(n) Data for 15 days.
(f) Data for 21 days.
(*) Data rejected.
(f) Data for 25 days.
(x) Observation suspended.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF FEBRUARY, 1962.

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 geopotential of 850/700 mbs. pressure level in Gpm.	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
	GMT.	Ft.	Mb.	Mb.	Mb.	oF	oF	oF	Mb.	Mb.	%	%	oktas										
HILL STATIONS																							
KASHMIR																							
Srinagar (X)	0000																						
	0300																						
	1200																						
Gulmarg (X)	0300	—																					
	1200																						
Gurez (X)	0300	—																					
	1200																						
Sonamarg (X)	0300																						
	1200																						
Dras (X)	0300																						
	1200																						
Kargil (X)	0300																						
	1200																						
Leh (X)	0000	—																					
	0300																						
	1200																						
Skardu	0000	7250	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	0300		779.4	—	1512.3	30.4	27.9	23.9	4.3	+0.4	75	—5	4.9	—0.4	0	0	0	0	0	1	3	0	24
	1200		776.6		1464.1	43.2	33.6	15.8	3.2		34		5.8		0	1	0	1	4	2	3	0	17
Misgar	X 0000	10190	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	0300		698.9	—	3091.8	18.5	17.0	13.8	2.6	—	81	—	3.4	—	1	4	1	0	0	1	5	1	15
	1200		697.0		3070.2	32.6	28.8	24.0	4.3		68		4.3		1	1	16	9	0	0	1	0	0
Aliabad (X)	0300	—																					
	1200																						
Gilgit	0000	4789	856.6		1520.9	35.9	32.1	24.3	4.7		65		3.7		0	0	1	0	1	1	9	1	15
	0300		858.0	—	1534.9	38.8	33.8	24.1	4.6	—	57	—	5.5	—	0	1	2	1	0	3	6	0	15
	1200		854.4		1502.3	52.4	41.3	23.2	4.4		33		5.7		0	1	0	2	3	7	6	0	9
RAWALPINDI																							
Murree (X)	0000	7113	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	0300		784.6	+1.2	1514.0	37.6	32.7	24.0	4.7	—2.0	61	0	4.4	+60	0	10	6	8	1	0	0	2	1
	1200		784.1		1503.2	42.2	37.1	30.3	5.7		64		5.3		0	3	4	6	0	1	2	4	8

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

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF FEBRUARY, 1962.

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 geopotential of 850/700 mbs. pressure level in G.p.m.	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
PESHAWAR	G.M.T.	E.T.	Mb.	Mb.	Mb.	uF	oF	oE	Mb.	Mb.	%	%	oktas										
Drosh	0000	4806	856.8		1528.7	39.8	35.3	27.7	5.2		62		3.5		0	0	4	2	0	1	0	0	21
	0300		857.7	+1.3	1538.2	39.1	34.9	27.9	5.2	—0.1	65	—6	4.4	+0.5	0	1	3	0	0	0	0	0	24
	1200		854.7		1509.6	51.5	41.7	26.5	4.9		39		4.9		0	6	2	5	0	6	0	0	9
Cherat	0000	4272	*		*	42.1	*	—	—		—		2.3		1	13	3	2	0	0	0	9	0
	0300		*	—	*	45.0	*	—	—	—	—		2.9	—0.6	0	15	0	0	0	0	0	13	0
	1200		*		*	49.3	*	—	—		—		2.6		3	8	6	2	0	0	0	9	0
Kakul	0000	4214	873.4		1504.8	43.0	39.2	33.7	6.6		70		2.7		8	6	1	1	1	0	2	9	0
	0300		874.3	—	1515.0	43.9	39.8	34.0	6.7	—	69	—	3.7	—	13	7	3	2	0	0	0	3	0
	1200		873.4		1509.2	53.2	45.7	37.1	7.5		54		4.3		3	2	1	2	8	6	1	5	0
Balakot	0000	3226	(x)		(x)	43.6	41.1	37.8	7.8		81		2.3		3	3	0	0	0	1	3	6	12
	0300		(x)	—	(x)	43.4	40.9	37.6	7.7	—	80	—	2.2	—	5	5	0	2	1	1	0	8	6
	1200		(x)		(x)	56.3	51.2	44.7	10.7		70		3.1		1	2	0	0	1	1	0	1	22
Landikotal	0000	3503	895.8		1491.6	40.8	38.9	36.6	7.2		87		3.9		0	0	0	0	0	2	0	0	26
	0300		896.4	—	1497.2	41.3	39.2	36.4	7.2	—	83	—	4.5	—	0	0	0	0	0	5	0	0	23
	1200		895.2		1497.5	55.4	47.8	39.0	8.0		56		3.6		0	3	0	2	0	19	0	0	4
Parachinar	0000	5673	*		*	*	*	—	—		—		4.0		0	0	0	0	0	0	0	0	28
	0300		*	—	*	36.8	33.9	28.6	5.5	+0.5	75	+7	3.6	+0.2	0	0	0	0	0	0	0	0	28
	1200		*		*	50.0	41.0	27.7	5.5		46		4.2		0	1	8	12	0	1	1	1	4
D. I. KHAN																							
Miranshah	0000	3026	*		*	*	*	—	—		—		1.8		0	0	0	0	0	0	0	0	28
	0300		*	—	*	44.4	41.4	37.6	7.7	+1.6	77	+7	2.1	—0.5	0	1	0	0	0	0	0	0	27
	1200		*		*	59.9	49.2	37.1	7.7		43		3.2		0	17	1	0	0	0	0	0	10
Wana	0300	4503	*	—	*	37.7	35.7	32.6	6.3	+0.7	82	+6	3.0	+0.2	0	0	0	0	0	0	0	0	28
	1200		*		*	56.0	46.5	33.5	7.0		45		3.7		0	1	0	2	0	1	1	1	22
QUETTA																							
Fortsandeman (Surface)	0300	4614	862.7	+2.6	1525.4	42.5	35.3	21.5	4.1	—1.7	46	+28	2.2	+0.5	0	1	0	2	2	1	3	0	19
	1200		859.8		1502.1	61.2	45.8	21.5	4.4		25		3.7		1	4	1	1	1	1	6	2	11
Fortsandeman (P.B.O.)	0000	4615	861.2		1511.6	41.4	36.9	28.9	5.6		64		0.7		0	2	0	0	4	0	0	0	22
	0300		1861.9		1524.1	41.6	37.1	29.3	5.7		32		2.9		0	0	0	0	2	1	1	1	23
	1200		859.8		1501.5	60.5	46.6	24.3	5.3		30		4.5		2	5	0	0	1	4	6	3	7
Hindubagh	0000	5909	819.3		1501.8	32.8	27.4	16.9	3.3		50		0.3		0	0	0	0	0	2	20	0	6
	0300		821.0		1518.2	38.0	31.0	18.0	3.4		43		1.3		0	0	0	0	0	4	19	0	5
	1200		817.8		1472.8	58.2	44.0	261.	4.8		31		4.1		0	0	7	0	0	9	12	0	0
Loralai	0000	4699	857.0		1497.5	3.88	34.7	26.9	5.1		65		1.7		3	5	4	1	0	1	1	1	12
	0300		858.5		1512.3	40.4	35.0	23.9	4.8		56		3.3		1	0	0	0	0	4	12	8	3
	1200		855.3		1483.6	60.2	4.66	27.8	5.3		31		4.4		0	1	1	11	8	2	1	3	1
Harnai	0300		*		*	*	*	*	*		*		1.5		*				*				*
	1200		*		*	*	*	*	*		*		2.0		*				*				*
Quetta (Samungli)	0000	5213	842.1		1511.0	37.3	33.4	27.6	5.1		67		2.9		0	0	2	10	1	2	1	0	12
	0300		843.0		1520.0	36.4	32.8	27.2	5.1		70		3.1		0	0	5	9	0	1	1	0	12
	1200		840.9		1496.8	59.5	44.5	23.5	4.7		27		4.3		1	1	0	5	0	3	7	6	5

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

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF EEBRUARY, 1962.

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 geopotential of 950/700 mbs. pressure level in G.p.m.	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
	G.M.T.	Et.	Mb.	Mb.	Mb.	oF	oF	oF	Mb	Mb	%	%	oktas										
Quetta (Surface)	0300	5490	834.8	+1.2	1522.4	44.8	40.3	35.1	6.9	+1.4	69	—6	2.7	—0.5	0	3	0	2	11	3	0	2	7
	1200		832.4		1494.1	58.9	47.0	34.8	68		41		4.2		1	1	0	1	7	6	2	5	5
Quetta (P.B.O.)	0000	5560	831.7		1551.4	39.7	34.1	25.9	4.6		59		0.9		0	0	2	0	0	1	0	0	25
	0300		832.3		1556.4	40.2	34.5	25.8	4.8		58		2.5		0	1	9	6	3	1	0	0	8
	1200		830.4		1530.5	59.7	44.4	25.4	4.6		28		5.0		1	0	0	0	1	10	5	3	8
Chaman	0000	4311	869.6		1503.1	48.6	*	*	*		*		2.1		0	0	20	5	1	2	0	0	0
	0300		870.5	0.4	1512.5	49.1	*	*	*		*		2.4	—0.7	0	0	10	7	7	2	2	0	0
	1200		868.1		1490.4	62.9	*	*	*		*		3.6		0	0	0	0	0	11	15	2	0
Nushki	0000	3416	902.9		1542.1	54.5	45.8	34.9	7.0		50		1.1		0	4	10	0	0	0	0	3	11
	0300		903.9		1550.5	55.6	46.3	33.9	7.0		45		2.4		0	2	12	0	0	0	0	2	12
	1200		901.3		1541.1	70.4	52.1	30.8	6.0		25		2.5		0	1	1	0	3	0	8	4	11
Dalbandin	0000	2788	919.0		1490.1	49.1	41.6	30.4	5.9		50		2.7		4	9	1	3	0	0	1	2	8
	0300		920.3	+1.1	1498.4	46.5	39.9	29.5	5.8	—1.5	53	—13	2.6	0.0	2	15	0	3	0	2	0	2	4
	1200		917.6		1507.8	73.5	54.6	33.6	6.9		24		3.6		0	4	2	7	1	9	2	1	2
KALAT																							
Kalat	0000	6616	797.9		1499.4	35.2	31.9	27.4	5.0		73		0.2		2	0	0	0	18	3	2	2	1
	0300		798.5	—0.7	1506.0	36.2	32.6	29.9	4.8	0.0	69	+1	0.0	—2.8	1	1	1	1	20	3	0	1	0
	1200		796.9		1469.5	56.4	44.9	30.7	6.1		40		0.0		3	0	0	0	5	7	8	5	0
Panjgur (P.B.O.)	0000	3180	906.2		1493.0	48.5	42.4	33.6	7.0		53		1.3		3	6	3	2	0	1	0	0	13
	0300		907.7		1506.4	48.0	42.1	33.5	7.0		59		2.6		0	11	4	2	0	1	0	0	10
	1200		904.9		1506.1	72.5	54.7	35.8	8.3		28		2.3		4	0	0	0	0	18	3	2	1
Panjgur (Surface)	0000	3177	906.3		1496.3	49.3	42.8	32.3	6.8		56		1.8		6	15	4	1	0	2	0	0	0
	0300		907.5	+1.5	1503.5	48.1	41.8	32.1	6.5	—1.3	56	—16	2.9	+0.8	3	18	5	0	0	1	0	0	1
	1200		905.1		1505.4	71.7	52.8	29.0	6.0		23		2.8		6	0	0	0	0	21	1	0	0

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF FEBRUARY, 1962.

DIVISION AND STATION	Maximum Temperature of the Air oF				Minimum Temperature of the Air oF				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
	GMT.	Ft.	Mb.	Mb.	Mb.	oF	oF	oF	Mb.	Mb.	%		oktas								
CHITTAGONG																					
Rangamati	85.2		92	21	62.0		54	1	0.03		0.03	28	0		x		0	0	24	0	0
Cox's Bazar	83.4	+1.3	88	17	60.9	+1.4	55	1,3	0.00	—0.47	0.0T	22	0	-0.9	x		0	0	0	0	0
Chittagong (Patenga)	82.5		87	22	61.0		54	1	1.92		1.92	28	1		x		0	0	1	0	0
Chittagong (surface)	84.2	+1.9	90	22	60.7	+2.0	53	1	1.24	+0.14	1.24	28	1	—0.3	x		0	0	0	0	0
Maijdee Court ("R")																					
Comilla("R")																					
Brahmanbaria	83.0	+0.3	88	21	59.2	3.7	53	1,25	0.34	—0.69	0.21	9	2	+0.1	1.7		2	0	2	0	0
Sylhet	82.1		87	20,21	54.0		52	1,2	2.61		1.78	27	3		x		2	0	1	0	0
Srimongal ("R")																					
DACCA																					
Mymensingh	82.1	+2.5	88	21	58.0	+1.3	51	1	0.35	—0.51	0.14	26	2	+0.3	x		2	0	1	0	0
Jamalpur ("R")																					
Narayanganj	85.1	+3.4	91	20	60.9	+1.9	53	3	0.48	—0.76	0.32	27	2	+0.1	1.5	—0.1	2	0	26	0	0
Dacca (Tejgaon)	83.7		89	20	57.6		49	1	0.59		0.36	9	2		3.0		2	0	4	0	0
Faridpur	82.0	+1.9	87	4 Days	57.8	+1.6	49	2	1.25	+0.06	0.79	27	2	—0.1	2.7	+0.8	1	0	0	0	0
KHULNA																					
Barisal ("R")																					
Khulna	83.5	+0.5	89	26,27	61.6	+1.8	55	1.2	0.00	—0.93	0.00		0	—2.2	0.7	—1.4	0	0	2	0	0
Satkhira	84.2	—0.3	90	27	58.9	+0.6	50	2	0.08	—0.95	0.08	8	1	—0.8	0.3	—1.0	0	0	4	0	0
Jessore ("R")																					
RAJSHAHI																					
Pabna ("R")																					
Ishurdi	81.4		89	27	55.8		50	2,17	0.64		0.60	9	1		x		0	0	1	0	0
Sirajgang	83.5		89	19,20,27	57.7		53	1,2,3	0.67	—0.07	0.35	8	2	+0.3	1.3		1	0	4	0	0
Rajshahi ("R")																					
Bogra	82.7	+2.4	88	18,22,27	57.9	+5.0	53	2.	0.71	—0.08	0.30	9	2	+0.4	1.7	+0.6	2	0	0	0	0
Dinajpur	83.5	+4.2	89	27	56.0	+2.7	51	1.4	0.10	—0.51	0.07	9	0	—1.3	x		0	0	0	0	0
Rangpur	81.0		87	22.23	55.6		51	1.4	0.16	—0.54	0.06	8	0	—1.3	1.7		0	0	0	0	0
KASHMIR																					
Jammu(x)																					
LAHORE																					
Lahore (P.B.O.)	71.4	—0.7	81	24	49.9	+5.4	43	8	1.59	+0.62	0.82	25	4	+1.9	2.5	+1.0	6	1	0	0	0
Lahore Cantt.	72.1	—	80	24	49.1	—	43	4,5,8	1.17	—	0.55	17	5	—	3·2	—	6	1	3	0	0
Sialkot (R)																					
RAWALPINDI																					
Jhelum	71.9	—	80	22	46.5	—	40	8	3.45	—	1.67	24	5	—	2.3	—	5	0	2	0	0
Chaklala	66.7	—	74	22	41.4	—	35	2	20.2	—	0.76	17	7	—	3.9	—	3	0	3	1	0
Rawalpindi	67.6	+2.4	74	21,22	43.1	+1.4	38	2	1.84	—0.64	0.59	17	6	+1.6	2.5	+0.7	2	0	0	0	0
Campbellpur	66.4	—	77	21	*	—	—	—	0.40	—	0.25	11	3	—	1.0	—	0	0	0	0	0

'R' — Registered not received. x — Data not available. (*)Data rejected.

TABLEI III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF FEBRUARY, 1962.

DIVISION AND STATION	Maximum Temperature of the Air oF				Minimum Temperature of the Air oF				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).	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
	GMT.	Ft.	Mb.	Mb.	Mb.	oF	oF	oF	Mb.	Mb.	%	%	oktas								
SARGODHA																					
Khushab	72.5	+1.2	82	23	45.4	—0.6	39	4	1.41	+0.49	0.80	25	2	—0.1	3.1	+0.4	0	0	0	0	0
Sargodha	71.4	—	80	23	45.7	—	39	14	1.44	—	0.65	24	3	—	3.8	—	2	0	1	0	0
Mianwali	70.1	—	80	4 Days	*	—	—	—	02.0	—	0.10	7.10	2	—	x	—	0	0	0	0	0
Lyallpur	*	—	—	—	47.0	+1.9	38	14	0.94	+0.37	0.50	24	3	+1.4	1.0	—0.7	2	2	1	0	0
MULTAN																					
Montgomery	72.8	+0.3	82	24	48.5	+2.1	43	4	0.22	—0.28	0.17	16	1	—0.5	(x)	—	1	0	0	0	0
Multan (P.B.O.)	74.7	—	85	24	48.2	—	39	4	0.32	—	0.20	15	2	—	2.3	—	1	0	1	0	0
Multan (surface)	74.1	+1.3	85	24	51.2	+4.4	44	2,13	0.28	—0.10	0.15	15	2	+0.7	(x)	—	1	0	0	0	0
Leiah (R)																					
BAHAWALPUR																					
Khanpur (P.B.O.)	77.3	—	88	24	49.4	—	41	1	0.00	—	0.00	—	0	—	3.2 (c)	—	0	0	0	1	0
Bahawalpur	77.2	+1.6	87	25	50.4	+3.5	43	3,4	0.53	+0.27	0.53	16	1	+0.2	2.4	+0.2	0	0	0	0	0
Fort Abbas	74.1	—	82	23	48.1	—	41	1,2	0.00	—	0.00	—	0	—	2.5	—	0	0	0	0	0
PESHAWAR																					
Chakdara	61.7	—	70	22	39.7	—	32	2	4.00	—	1.25	7	6	—	(x)	—	0	0	0	0	0
Peshawar	66.9	+0.7	74	22,24	45.8	+1.8	39	1	1.43	—0.10	0.75	17	4	+0.7	1.5	—0.1	0	0	1	1	0
Resalpur	67.4	—	75	6,23	42.0	—	35	1,2,8	1.97	—	0.92	17	4	—	2.5	—	0	0	1	0	0
Haripur	66.5	—	75	22,23	42.1	—	37	8	1.58	—	0.39	17	6	—	4.5	—	2	0	0	0	0
Kohat (P.A.F.)	66.3	—	74	22	47.8	—	38	1	1.48	—	0.62	17	3	—	5.2	—	2	0	0	0	0
D. I. KHAN																					
Bannu	68.8	+0.2	76	22,23,24	47.7	+2.5	40	1,2	1.11	—0.07	0.41	17	5	+1.9	1.3	—	0	0	0	0	0
D. I. Khan	72.6	+1.0	81	23	47.8	—2.9	39	1	1.17	+0.50	0.80	16	2	+0.3	0.5	—0.7	0	0	0	0	0
QUETTA																					
Sibi	78.7	+3.0	91	23	50.7	+1.0	43	2	0.00	—0.87	0.00	—	0	—1.7	*	—	0	0	0	0	0
KALAT																					
Nokhundi	77.7	+5.0	90	22,23	49.9	+2.9	34	1	0.00	—0.40	0.00	—	0	—1.1	(x)	—	0	0	0	0	0
Turbat	85.7	—	91	23	(x)	—	(x)	—	0.00	—	0.00	—	0	—	(x)	—	0	0	0	0	0
Jiwani	77.7	—	85	25	62.1	—	54	1	0.00	—	0.00	—	0	—	6.0	—	0	0	0	0	0
Pasni	79.5	+2.6	87	22,24	60.1	+3.5	53	2	0.00	—1.41	0.00	—	0	—2.0	(x)	—	0	0	0	0	0
KARACHI																					
Ormara	80.2	+4.4	87	23	60.6	+0.4	50	2,3	0.00	—2.19	0.00	—	0	—3.3	4.9	—0.6	0	0	0	0	0
Lasbela (R)																					
Karachi (Manora)	*	—	*	—	*	—	*	—	0.00	—0.44	0.00	—	0	—1.0	(x)	—	0	0	0	0	0
Karachi (Mauripur)	82.9	—	87	13,22	59.3	—	51	1	0.00	—	0.00	—	0	—	(x)	—	0	0	0	0	0
Karachi (City)	84.7	—	90	22,23	58.7	—	50	1	0.00	—	0.00	—	0	—	(x)	—	0	0	0	0	0
Karachi (Airport)	84.0	—	90	22	57.0	—	47	1,2	0.00	—	0.00	—	0	—	4.3	—	0	0	1	0	0
Gadap	83.6	—	91	23	57.2	—	52	2	0.00	—	0.00	—	0	—	4.0	—	0	0	0	0	0

(x) — Data rejected

(x) Dateotavailable.nv
R: Register not recieved.

(*) Data rejected

(a) Mean for 22 days.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF FEBRUARY, 1962.

DIVISION AND STATION	Maximum Temperature of the Air oF				Minimum Temperature of the Air oF				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
	GMT. (c)	Ft.	Mb.	Mb.	Mb. (c)	oF	oF	oF	Mb.	Mb.	%	%	oktas								
HYDERABAD																					
Dadu	79.2	—	89	23	51.0	—	43	2,3,5	(x)	—	(x)	—	(x)	—	(x)	—	0	0	0	0	0
Mithi	89.1	—	96	24	52.3	—	42	1	0.00	—	0.00	—	0	—	1.7	—	0	0	0	0	0
Nagarparker	86.4	—	92	24	63.1	—	54	2	0.00	—	0.00	—	0	—	(x)	—	0	0	0	0	0
Umerkot	85.5	—	94	24	53.0	—	45	1,2,3	0.00	—	0.00	—	0	—	(x)	—	0	0	0	0	0
Chhor	85.8	—	93	23,24	50.4	—	42	1,2,3	0.00	—	0.00	—	0	—	1.5	—	0	0	0	0	0
Hyderabad	85.1	+3.9	95	24	54.5	0.0	46	1,2,3	0.00	—0.24	0.00	—	0	—0.6	2.5	—1.0	0	0	0	0	0
Badin	88.4	+6.0	98	23	54.1	—0.4	43	2	0.00	—0.38	0.00	—	0	—0.9	(x)	—	0	0	1	0	0
KHAIRPUR																					
Padidan	80.0	—	90	24,25	48.6	—	39	3	0.00	—	0.00	—	0	—	3.2	—	0	0	0	0	0
Nawabshah	81.7	—	91	24	51.5	—	43	2,3	0.00	—	0.00	—	0	—	3.2	—	0	0	0	0	0
Sukkur	79.7	+1.0	88	23	54.8	+2.8	49	2,3	0.00	—0.28	0.00	—	0	—0.8	(x)	—	0	0	0	1	0
Kashmore	*	—	*	—	*	—	*	*	0.00 d	—	0.00 d	—	0	—	(x)	—	0	0	0	0	0
Jacobabad	79.2	+2.1	87.0	24,25	54.4	+3.9	46	3,4	0.20	—0.13	0.20	10	1	+0.1	5.0	+1.8	1	0	0	0	0
JUNAGARH																					
Veraval (x)																					
HILL STATIONS																					
KASHMIR																					
Srinagar (x)																					
Gulmarg (x)																					
Gurez (x)																					
Sonamarg (x)																					
Dras (x)																					
Kargil (x)																					
Loh (x)																					
Skardu	46.5	+8.3	53	(4 Days)	27.5	+8.3	2.0	2,3	0.19	—0.50	0.09	17	0	—2.2	1.9	+0.6	0	0	1	0	0
Misgar	38.1	—	47	21	15.4	—	9	1	0.23	—	0.11	24,25	2	—	3.8	—	0	0	0	0	0
Aliabad (x)																					
Gilgit P.B.O.	56.6	—	65	22,23	32.2	—	24	2	0.04	—	0.03	9	0	—	2.9	—	0	0	0	0	0
Gilgit (Surf) (x)																					
RAWALPINDI																					
Murree	46.5	—0.2	57	23	32.8	+1.7	25	8	4.16	—0.15	1.26	17	8	+1.6	6.5	+1.2	3	2	8	0	0
PESHAWAR																					
Drosh	55.6	+6.6	67	23	36.7	+3.1	32	11,12	1.27	—0.28	0.63	11	3	—0.7	28	+0.3	0	0	0	0	0
Cherat	53.1	+1.2	63	22,23	37.7	—3.0	33	10	*	—	—	—	—	—	*	—	0	2	2	0	0
Kakul	58.6	—	67	23	40.9	—	34	8	3.12	—	0.81	17	8	—	(x)	—	5	2	0	0	0
Balakot	61.0	—	71	23	39.3	—	31	13	3.78	—	0.96	7,11	8	—	2.7	—	0	0	0	0	0
Landikotal	57.1	—	68	24	37.2	—	29	1	3.52	—	1.92	17	4	—	(x)	—	0	0	3	0	0
Parachinar	53.8	+2.0	63	22,23,24	33.9	+2.6	28	1	1.64	—0.99	0.83	11	5	—0.4	2.5	+0.5	0	0	0	0	0

— Data rejected.
— Data not available.
(c) Mean for 28 Days.
(d) Mean for 27 Days.
(R) Register not received.
($) Observations suspended

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF FEBRUARY, 1962.

DIVISION AND STATION	Maximum Temperature of the Air oF				Minimum Temperature of the Air oF				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 Figur 9 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
D. I. KHAN	Mb.	oF	Mb.	Mb.	Nb.	oF	oF	oF	Mb.	Mb.	%	%	ok tas								
Miranshah	61.8	+0.7	75	24	41.0	—0.5	30	1,2	5.14	+3.58	1.46	7	6	+1.9	1.7	—1.8	0	0	0	0	0
Wana	59.2	+1.1	69	24	34.0	+1.5	24	1	1.10	—0.38	0.40	3	4	—0.4	0.2	—	0	0	0	0	0
QUETTA																					
Fortsandeman	64.1	+4.8	72	22,23	38.7	+3.3	31	1,2	0.18	—0.90	0.11	17	1	—2.3	(x)	—	0	0	0	0	0
Fortsandeman P.B.O.	62.6	—	70	9,22,23	37.7	—	30	1,12	0.19	—	0.06	16	—	0	2.3	—	2	0	0	0	0
Hindubagh	58.6	—	69	20,21,22	29.6	—	24	1,12,17	0.05	—	0.05	16	0	—	6.5	—	0	0	0	0	0
Loralai	63.1		71	23,24	34.9	—	27	2	0.18	—0.89	0.13	16	1	—1.6	3.4	—	0	0	0	0	0
Harnai	(x)	—	(x)	—	(x)	—	(x)	—	0.10	—1.23	0.10	16	1	—1.4	(x)	—	0	0	0	0	0
Quetta (Samungli)	62.0	—	74	23	33.3	—	19	1	0.30	—	0.28	23	1	—	5.6	—	2	0	0	0	0
Quetta (Surface)	60.5	—	72	9,23	33.0	—	21	1,12	0.57	—	0.31	24	2	—	3.0	+0.4	0	0	0	0	0
Quetta (P.B.O.)	62.2	—	75	23	35.3	—	23	1	0.19	—	0.12	23	1	—	2.7	—	0	0	0	0	0
Chaman	*	—	*	—	43.9	+5.8	32	15,16	0.05	—1.67	0.05	23	0	—4.4	(x)	—	1	0	0	0	0
Nushki	72.5	—	85	21	50.4	—	40	1,12	0.05	—	0.05	23	0	—	(x)	—	0	0	0	0	0
Dalbandin	75.5	+8.0	87	4	44.4	+4.8	25	2	0.40	—0.56	0.38	23	1	—1.2	4.5	+0.8	2	0	0	0	0
KALAT																					
Kalat	58.9	+6.1	69	8,9,20	32.2	+1.0	22	1	0.17	—1.22	0.13	11	1	—2.4	(x)	—	0	0	0	0	0
Panjgur (P.B.O.)	74.1	—	85	10	45.3	—	35	1	0.00	—	0.00	—	0	—	4.4	—	0	0	0	0	0
Panjgur (Surface)	74.1	+6.1	84	10	44.9	+2.4	35	1	0.00	—0.96	0.00	—	0	—1.9	x	—	0	0	0	0	0

* Data rejected.
(x) Data not available.

REGD. No. S-1452

PAKISTAN WEATHER REVIEW, 1962

MONTHLY WEATHER REPORT

MARCH

(PUBLISHED BY THE AUTHORITY OF THE GOVERNMENT OF PAKISTAN)

Chief Features:

1. Dry weather over East Pakistan during the month except towards the middle and end of the first fortnight.

2. Pronounced wet weather in the northen parts of West Pakistan with heavy snowfalls over the hills during the earlier part of the first week.

3. Locally heavy rainfall in the extreme north of West Pakista towards the end of the month.

East Pakistan:

Three western disturbance influenced the weather over the province during the first fortnight. The first one while moving from West Bengal to Assam towards the end of the first week caused local rain or thunder showers in Rajshahi division and scattered falls in Dacca division on the 6th and in Chittagong and Khulna divisions on the 7th. The other two moved across the northern parts towards the later part of the second week. One of these was active and caused widespread rain or thundershowers in Dacca division and scattered in Rajshahi division on the evening of the 10th and local and scattered falls respectively in Chittagong and Khulna divisions during the following night. Dacca was hit by a northwest squall with winds reaching 65 miles per hour on the 10th evening. The other one caused only scattered rain or thundershowers in Chittagong and Khulna divisions on the 12th. Pabna recorded the only noteworthy amount of rainfall of 1" on the 11th. Weather remained dry during the rest of the month.

The total rainfall during the month was in large defect over the whole region.

The mean maximum temperature was above normal over the whole region outside Khulna division where it was normal. The mean minimum temperature was normal every where excepting Chittagong division where it was above normal.

The mean relative humidity was in defect over the whole region.

The skies were considerably less clouded than usual throughout the region.

West Pakistan:

Four western disturbances influenced the Weather over the province during the first two weeks. Three of these moved across the north of West Pakistan and were associated with secondary circulations to their south while the remaining one moved across the northern parts of the provinces. They caused fairly widespread rain in Peshawar, Rawalpindi and Lahore divisions between the 3rd and 5th and in Sargodha division only on the 5th, scattered in Rawalpindi division on the 6th and in Quetta and D. I. Khan division on the 13th. The only noteworthy amount of rainfall recorded was 3" at Kakul on the 4th Rainfall was otherwise scattered to local over the northern half of the province practically through out the period and in Hyderabad division on the 4th. A few falls of snow also occurred in the hills of the northern region between the 3rd and the 5th. Murree recorded nearly two feet of snow on 3rd as reported by newspapers.

The Weather thereafter was influenced by the passage of 4 complex Western disturbances in close succession, two of these were associated with sceondaries which moved across North Arabian Sea. These caused fairly widespread rain or thundershowers in Quetta division on the 17th and 18th in Lahore division on the 18th, in Rawalpindi division on the 21st and in Kalat division on the 26th. Harnai recorded the heaviest amount of 2" of rain on the 17th. Scattered to local thunder-rain occurred in the northern half of the province between the 15th and the 28th and also extended to Khairpur division on the 21st, 22nd and 27th, to Hyderabad division on the 21st and almost to the whole of the southern half of the province between the 23rd and the 26th. Ormara recorded the heaviest amount of 1" of rain on the 25th. A few dust storm hit Karachi division on the 26th. In association with the last of these Western disturbances local thunderstroms or showers occurred in Peshawar and Quetta division on the 30th, a few falls of light rain on drizzle in Quetta and D. I. Khan divisions respectively on the 29th and the 30th, and widespread rain or thundershowers in D. I. Khan division, fairly widespread in Peshawar and Rawalpinidi divisions and local in Multan and Quetta divisions on the 31st when locally heavy falls, were also reported from Peshawar and D. I. Khan division. Noteworthy amounts of rain recorded were at Cherat 4" Landikotal 3" and Chakdara, Parachinar and Peshawar 1" each on the 31st.

The total rainfall during the month was in large defect in Kalat and Hyderabad divisions, in moderate defect in Bahawalpur and Khairpur divisions and in slight defect in Peshawar division. It was normal in Rawalpindi and Karachi divisions, moderate excess in Quetta divisions and in large excess elsewhere. Averaged over the region as a whole it was normal.

The mean maximum temperature was below normal in Lahore division above normal in Peshawar, Kalat, Karachi and Hyderabad divisions and normal over rest of the region. The mean minimum temperature was normal in Rawalpindi, Sargodha, Peshawar, Karachi and Hyderabad divisions and above normal elsewhere.

The mean relative humidity was in excess in Lahore, Rawalpindi, Sargodha, D. I. Khan and Kalat divisions and normal elsewhere.

The skies were normally clouded in Lahore, Rawalpindi, Peshawar, D. I. Khan and Kalat divisions, less clouded in Sargodha and Multan divisions and more elsewhere.

Table I contains the divisional means of rainfall, temperature, relative humidity and cloud amount for the 18 chief political divisions of Pakistan. These means are based on the observations at the stations whose monthly means are given in the subsequent tables.

E. S. S. A.

TABLE I.—DIVISIONAL MEANS FOR MARCH 1962.—*contd.*

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
EAST PAKISTAN	"	"	"		°	°	mb	%	
Chittagong	0.14	2.33	−2.19	−94	+2.2	+2.2	−2.5	−9	−1.1
Dacca	0.25	2.11	−1.86	−88	+4.1	−1.1	−4.7	−20	−2.5
Khulna	0.39	1.95	−1.56	−80	+1.8	−1.1	−3.5	−17	−1.4
Rajshahi	0.14	1.03	−0.89	−86	+3.0	0.3	−2.3	−15	−1.3
Mean	0.22	1.88	−1.66	−88	+2.7	+0.1	−3.2	−15	−1.5
WEST PAKISTAN									
Kashmir (x)									
Lahore	1.72	0.79	+0.93	+118	−2.9	+3.5	+2.2	+10	−0.1
Rawalpindi	4.05	3.74	+0.31	+8	−0.5	+1.1	+0.6	+9	+0.6
Sargodha	2.01	0.80	+1.21	+151	−1.5	+0.3	+2.9	+19	−0.7
Multan	0.97	0.41	+0.56	+137	−1.5	+2.1	+1.1	+4	−0.5
Bahawalpur	0.20	0.40	−0.20	−50	−0.5	+3.3	+1.2	+3	+1.0
Peshawar	3.05	3.50	−0.45	−13	+4.1	+0.8	+0.7	0	+0.2
D. I. Khan	3.11	1.75	+1.36	+78	−0.5	+2.0	+2.1	+13	+0.3
Quetta	1.56	1.05	+0.51	+49	0.0	+2.3	+0.9	−3	+0.6
Kalat	0.13	0.59	−0.46	−78	+2.6	+4.1	+1.2	+6	−0.1
Karachi	0.49	0.52	−0.03	−6	+3.1	+0.6	+1.3	−4	+1.0
Hyderabad	0.05	0.17	−0.12	−71	+2.7	+0.9	+0.5	+5	+1.1
Khairpur	0.14	0.23	−0.09	−39	+0.1	+2.0	+0.4	+4	+1.1
Mean	1.11	1.01	+0.10	+10	+1.0	+2.3	+1.1	+4	+0.3
Junagadh (x)									

(x) Data not available.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF MARCH, 1962

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 geopotential of 850/700 mbs. pressure level in Gpm.	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
	GMT	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb	Mb.	%	%	oktas										
CHITTAGONG																							
Rangamati	0000	208	1004.7		1012.1	69.5	66.0	63.8	20.3		83		2.2		1	1	0	0	23	0	2	4	0
	0300		1006.8		1014.0	80.0	70.3	64.2	20.9		60		1.0		6	0	0	0	23	2	0	0	0
	1200		1002.3		1009.4	85.9	68.9	57.5	16.3		40		1.1		3	2	0	0	12	5	8	1	0
Cox's Bazar (P.T.)	0300	38	1011.3	—0.1	1012.6	80.6	73.3	69.4	24.7	[illegible]	70	— 4	1.1	—1.1	6	3	3	6	5	1	1	6	0
	1200		1007.8		1009.1	80.6	75.4	72.8	27.7		78		2.0		2	0	1	1	0	8	7	12	0
Chittagong (PBO)	0000	20	1010.2		1010.9	68.6	66.9	65.7	21.9		91		1.6		0	5	1	7	0	0	0	0	18
	0300		1012.2		1012.9	78.1	71.0	66.7	22.6		69		1.5		1	7	2	6	4	0	0	1	10
	1200		1008.2		1008.9	81.9	73.3	68.5	24.1		65		1.5		0	0	0	0	2	9	15	3	2
Chittagong (PT)	0300	46	1010.7	—0.7	1012.4	80.5	70.6	65.4	21.1	—2.4	60	—13	1.4	—1.1	2	7	3	7	4	0	0	1	7
	1200		1006.6		1008.3	81.3	71.3	65.6	21.7		60		1.1		0	1	1	0	3	10	12	3	1
Maijdi Court (R)	0000	25																					
	0300																						
	1200																						
Comilla (R)	0000	29																					
	0300																						
	1200																						
Brahmanbaria	0000	32	1009.2		1010.3	66.2	63.0	61.3	18.2		84		0.9		1	2	0	1	5	4	5	1	12
	0300		1011.4		1012.5	78.6	68.2	61.8	18.9	—2.2	58	—9	1.3		1	5	3	1	5	12	2	0	2
	1200		1006.7		1007.8	86.1	67.4	54.5	14.5		35		1.4		4	0	0	0	3	4	8	0	12
Sylhet (PBO)	0000	115	1006.1		1010.2	63.3	58.8	55.1	14.9		75		0.9		0	0	22	0	0	0	0	0	9
	0300		1008.2		1012.2	75.9	65.3	57.5	16.5		55		1.2		0	0	29	1	1	0	0	0	0
	1200		1003.6		1007.6	83.3	66.6	54.6	14.8		39		1.3		0	0	0	0	0	2	18	0	11
Srimangal (R)	0000																						
	0300																						
	1200																						
DACCA																							
Mymensingh	0000	62	1008.4		1010.6	64.6	60.2	57.0	15.8		77		0.8		0	0	1	0	0	0	1	0	29
	0300		1010.5	+0.1	1012.7	75.9	64.6	56.5	15.6	—4.4	53	—18	0.5	—2.9	0	0	8	4	0	0	4	0	15
	1200		1005.8		1007.9	87.5	66.6	50.0	12.9		31		0.9		0	0	1	0	0	1	15	0	14
Jamalpur (R)	0000																						
	0300																						
	1200																						
Narayanganj	0000	26	1009.5		1010.4	68.0	64.1	61.5	18.7		79		1.0		0	0	1	0	1	2	2	2	23
	0300		1011.4	—0.1	1012.3	80.9	67.8	59.3	17.3	—5.1	49	—22	1.2	—2.1	0	0	2	1	1	2	13	2	10
	1200		1006.7		1007.5	89.0	69.5	56.2	15.8		34		1.2		0	0	0	1	1	0	4	5	20
Dacca Tejgaon	0000	32	1008.6		1009.7	65.2	61.5	58.7	17.1		80		1.5		2	0	0	0	0	7	1	1	20
	0300		1010.8		1011.9	81.0	67.3	57.8	15.7		47		1.3		1	3	1	1	1	5	14	3	3
	1200		1006.2		1007.3	86.8	66.9	52.3	13.6		31		1.3		1	0	0	0	2	1	13	4	10

(R) Register not received.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF MARCH, 1962.

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 geopotential of 850/700 mbs. pressure level in Gpm.	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.	IF	°F	°F	Mb.	Mb.	%	%	oktas										
DACCA—*contd.*																							
Faridpur (R)	0000	46																					
	0300																						
	1200																						
KHULNA																							
Barisal	0000	11	1010.4		1010.8	70.0	67.3	66.1	21.7		88		0.7		1	0	0	0	1	0	0	0	29
	0300		1012.2	+0.3	1012.6	84.0	71.7	64.5	21.0	—4.1	55	—21	0.6	—2.2	0	0	0	4	3	1	0	0	23
	1200		1008.0		1008.4	88.3	72.2	61.9	19.8		42		0.8		0	1	0	0	1	2	0	0	27
Khulna (R)	0000	16																					
	0300																						
	1200																						
Satkhira	0000	16	1010.9		1011.5	67.0	65.1	63.6	20.3		89		1.3		0	0	0	0	0	0	0	0	31
	0300		1012.4	+1.0	1012.9	81.9	70.2	63.0	19.9	—3.0	55	—13	1.3	—0.6	3	1	0	0	0	1	1	0	25
	1200		1007.6		1008.2	93.0	72.0	61.0	17.3		40		2.3		1	0	0	0	0	2	0	1	27
Jessore (PT)	0000	26																					
(R)	0300																						
	1200																						
RAJSHAHI																							
Pabna ( )	0000	48																					
	0300																						
	1200																						
Ishurdi	0000	—	—	—	—	61.8	56.8	52.6	13.5		75		1.6		1	1	2	1	8	10	3	5	0
	0300		—	—	—	80.7	64.6	53.0	13.6		41		1.0		1	0	1	4	3	9	11	2	0
	1200		—	—	—	85.5	65.8	50.4	12.8		32		1.3		2	0	1	1	0	1	13	13	0
Sirajganj	0000	51	1008.3		1010.1	63.9	58.4	53.7	14.2		72		0.5		0	0	0	0	1	0	0	0	30
	0300		1010.1		1011.9	79.8	65.2	55.3	14.7		45		0.5		0	2	0	0	1	10	0	4	14
	1200		1005.6		1007.3	86.0	69.6	58.3	17.3		41		0.7		0	0	1	0	0	1	0	7	20
Rajshahi (R)	0000																						
	0300																						
	1200																						
Bogra	0000	65	1007.4		1009.7	63.8	59.3	55.8	15.2		77		1.0		0	1	0	0	0	2	0	0	28
	0300		1009.5	0.0	1011.8	79.7	65.9	56.0	15.5	—2.6	46	—17	0.9	—1.1	1	5	1	3	0	8	9	2	2
	1200		1005.1		1007.3	86.6	66.8	52.4	13.5		33		1.6		0	1	0	0	0	3	18	4	5
Dinajpur	0000	123	1005.3		1009.7	62.4	57.0	52.4	13.4		71		0.3		0	0	0	0	0	0	2	0	29
	0300		1007.3	0.0	1011.6	76.9	63.4	52.6	13.8	—2.1	45	—14	0.3	—1.4	0	0	0	0	0	0	3	0	28
	1200		1003.7		1006.9	85.5	64.7	47.3	11.5		29		0.2		0	0	0	0	0	0	6	0	25
Rangpur (R)	0000																						
	0300																						
	1200																						

(R) Register not received.

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 geopotential of 850/700 mbs. pressure level in Gpm	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
	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas										
KASHMIR																							
Jammu (X)																							
	0300	1200																					
	1200																						
LAHORE																							
Lahore (PBO)	0000	702	987.1		1012.3	58.2	55.3	53.0	13.6		82		1.6		2	4	2	1	0	0	1	5	16
	0300		988.4	+0.9	1013.3	63.0	57.5	52.9	13.7	+2.2	69	+10	2.6	—0.1	2	5	1	2	0	0	1	5	15
	1200		986.3		1010.6	77.4	62.9	51.6	13.1		41		2.7		3	2	0	0	0	2	8	7	9
Lahore Cantt.	0000	709	986.6		1011.9	58.1	55.4	53.0	13.8		83		2.7		4	3	0	0	1	1	0	1	21
	0300		987.8		1012.9	62.3	57.6	53.8	14.1	—	73	—	3.2	—	3	4	0	1	1	0	0	7	15
	1200		985.6		1010.1	77.3	62.5	50.3	12.7		40		4.2		0	4	1	3	0	5	4	9	5
Sialkot (R)	0000	830																					
	0300																						
	1200																						
RAWALPINDI																							
Jhelum	0000	767	(a) 984.8		(a) 1012.3	56.5	53.7	51.2	12.9		82		2.8		8	0	0	3	1	0	1	5	13
	0300		986.1	—	1013.5	60.4	55.1	50.5	12.4	—	69	—	3.5	—	2	0	2	2	0	2	2	5	16
	1200		983.5		1010.0	77.3	61.5	47.8	11.5		36		3.5		2	2	2	4	2	5	1	6	7
Chaklala	0000	1667	954.6		1013.8	52.6	50.1	47.9	11.3		84		3.4		6	4	0	1	0	0	2	8	10
	0300		955.7	—	1014.6	56.2	52.2	48.8	11.7	—	76	—	3.8	—	2	3	0	1	0	1	5	4	15
	1200		953.9		1010.7	71.6	57.4	45.1	10.4		39		4.2		1	2	3	1	[illegible]	1	15	1	7
Rawalpindi	0000	1675	954.5		1014.1	53.3	50.9	48.6	11.7		84		(a) 2.6		7	1	0	1	0	2	0	1	19
	0300		955.3	+0.5	1014.4	57.3	53.3	49.8	12.2	+1.5	76	+17	3.6	+0.6	5	2	2	0	1	4	1	3	13
	1200		953.3		1010.7	71.7	58.3	47.1	11.2		42		4.1		0	3	3	2	2	2	11	3	9
Campbel pur	0300	1175	971.8	—	1013.6	58.6	54.2	50.1	12.4	—	74	—	4.4	—	0	2	0	0	0	1	1	3	24
	1200		969.3		1009.7	74.2	60.7	[illegible] 5	12.0		41		3.3		1	1	0	0	0	2	0	7	20
SARGODHA																							
Khushab	0000	616	990.1		1012.3	58.5	55.5	53.1	13.7		82		*		0	3	4	0	0	0	0	0	24
	0300		991.2	0.0	1013.3	61.9	57.3	53.3	14.0	+3.3	74	+18	2.2	—0.6	0	4	3	1	0	0	1	1	21
	1200		989.1		1010.4	77.1	63.1	51.9	13.5		42		1.7		1	6	2	0	2	3	3	0	14
Sargodha	0000	617	990.3		1012.4	57.7	55.3	53.2	13.8		84		2.6		3	4	4	1	1	4	5	1	8
	0300		991.6	—	1013.3	60.6	56.9	54.1	14.2	—	69	—	4.2	—	2	5	2	0	2	6	1	1	12
	1200		989.3		1010.7	76.5	62.4	50.7	12.9		42		4.3		6	6	1	1	2	8	3	1	3
Mianwali	0000	679	*		*	*	*	—	—		—		1.3		*	—	—	—	—	—	—	—	*
	0300		*	—	*	60.6	55.6	51.9	13.1	—	73	—	2.4	—	*	—	—	—	—	—	—	—	*
	1200		*		*	74.4	61.8	51.1	13.2		45		3.0		*	—	—	—	—	—	—	—	*
Lyallpur	0000	605	990.5		1012.3	56.9	55.0	53.4	13.9		88		1.6		0	1	0	1	0	0	0	2	27
	0300		991.7	+0.8	1013.5	58.9	56.2	54.0	14.2	+2.5	84	+21	2.4	—0.7	2	1	1	3	2	0	0	0	22
	1200		989.6		1010.5	77.4	63.6	53.1	13.9		43		4.0		8	1	1	4	4	1	2	3	7
MULTAN																							
Montgomery	0000	558	(d) 991.7		(d) 1011.7	53.4	56.1	53.4	13.9		80		1.4		3	6	1	0	0	1	0	4	16
	0300		993.5	+1.0	1013.3	63.9	58.1	53.2	13.9	+1.3	69	+2	2.1	0.0	3	5	2	1	2	1	0	4	13
	1200		(a) 991.4		(a) 1010.7	79.4	62.3	47.8	11.5		35		2.3		3	4	0	3	1	3	1	1	15
Multan P.B.O.	0000	404	997.4		1012.0	60.2	55.9	52.0	13.3		75		3.0		5	0	3	3	1	0	2	2	15
	0300		998.9	—	1013.5	63.0	57.3	52.3	13.5		68	—	2.9	—	10	1	0	2	2	0	3	0	13
	1200		996.0		1010.0	80.0	62.4	47.4	11.3		33		4.0		5	2	6	4	6	1	2	2	3

(a) — Mean for 30 days.
(d) — Mean for 27 days.

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

(R) — Registerd not received.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF MARCH, 1962.

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 geopotential of 850/700 mbs. pressure level in Gpm.	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: Relative humidity.	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										
MULTAN—*Contd.*																							
Multan Surj.	0300	413	998.8	+0.9	1013.5	65.1	58.9	53.8	14.3	+1.0	68	+6	3.3	+1.1	5	0	5	0	4	0	2	0	15
	1200		995.6		1009.8	80.0	64.7	52.5	13.9		40		(2) 4.6		6	0	5	0	9	0	2	0	9
Leiah (R)	0000	187																					
	0300																						
	1200																						
BAHAWALPUR																							
Khanpur P.B.O.	0000	290	1001.0		1011.5	59.2	55.0	51.0	12.9		76		1.5		5	7	1	0	0	1	0	0	17
	0300		1002.4	—	1013.2	63.9	57.1	50.8	12.9	—	63		0.5		4	10	0	0	0	1	0	0	16
	1200		999.1		1009.1	84.7	63.6	45.1	10.6		26		3.0		4	5	1	0	0	4	3	1	13
Bahawalpur	0300	384	999.4	+0.5	1013.0	64.6	57.9	51.7	13.4	+1.2	64	+3	2.9	+1.0	0	3	0	7	1	7	0	6	7
	1200		(i) 996.9		(i) 1010.1	80.6	(m) 67.5	54.7	17.3		59		2.3		1	2	0	1	0	0	0	4	23
Fort Abbas	0000	475	*		*	56.5	50.8	43.9	10.1		65		0.0		14	4	0	0	2	1	1	5	4
	0300		997.1	—	1013.8	66.2	58.2	50.6	13.0		59	—	0.1	—	4	4	4	2	6	2	1	0	8
	1200		993.4		1009.7	83.1	66.0	54.4	14.2		36		0.0		14	4	0	0	2	1	2	4	4
PESHAWAR																							
Chakdara	0000	2197	*		*	49.5	47.0	44.5	10.0		83		2.2		4	0	2	0	0	0	0	0	25
	0300		936.9	—	1014.3	52.7	48.9	44.9	10.3	—	76	—	1.6	—	8	0	3	0	1	0	2	0	17
	1200		934.3		1009.0	69.2	57.0	46.1	10.9		43		2.4		3	0	0	2	1	0	1	0	24
Peshawar	0000	1177	971.7		1013.8	54.5	51.8	49.2	12.0		82		2.5		0	3	0	4	6	8	0	4	6
	0300		972.8	—0.2	1014.8	57.1	53.7	50.5	12.5	+1.6	79	+10	4.1	—0.1	0	1	0	2	4	4	2	1	17
	1200		970.5		1011.1	72.1	61.6	53.4	13.8		52		5.1		5	8	0	3	3	2	0	3	7
Risalpur	0000	1047	975.8		1013.1	53.4	51.8	50.2	12.4		90		3.1		2	2	0	1	0	1	8	2	15
	0300		977.3		1014.5	56.4	53.5	51.1	12.7	—	82	—	4.2	—	0	1	0	0	0	4	6	1	19
	1200		974.6		1010.6	72.9	60.2	49.2	12.1		45		4.6		2	3	1	0	0	1	10	4	10
Haripur	0300	1757	952.3	—	1014.0	58.4	53.1	48.6	11.7	—	69	—	3.3	—	1	4	0	4	1	12	5	4	0
	1200		950.7		1010.6	71.8	59.6	50.3	12.5		48		3.2		2	4	1	8	0	13	1	2	0
Kohat	0000	1683	954.7		1013.9	58.7	51.3	44.0	9.9		59		3.3		2	2	1	0	0	0	1	21	4
	0300		956.0	—	1015.2	59.4	51.9	44.6	9.7	—	59		4.7	—	1	2	0	2	0	0	2	19	5
	1200		953.9		1011.7	71.2	56.9	43.6	10.0		39		4.8		1	6	1	4	2	3	4	5	5
D. I. KHAN																							
Bannu	0000	1263	967.7		1012.6	57.1	53.0	48.2	119.		74		1.9		0	0	0	0	0	0	0	0	31
	0300		969.0	—	1013.8	58.9	54.5	49.2	12.6	+2.8	74	+19	3.3	+0.9	3	2	1	0	0	1	3	4	17
	1200		967.1		1010.6	73.2	59.9	48.7	11.7		43		4.0		1	0	3	10	2	1	0	4	10
D. I. Khan	0000	570	991.7		1012.2	58.8	56.3	55.0	14.4		85		2.1		0	0	0	0	0	0	0	1	30
	0300		993.3	+0.5	1013.6	62.7	58.6	55.4	15.0	+2.9	79	+16	3.0	+0.4	0	2	0	0	0	0	0	0	29
	1200		990.5		1010.2	77.8	64.8	55.1	15.1		48		3.8		1	6	0	0	0	0	0	0	24

(a) — Mean for 30 days.
(i) — Mean for 22 days.
(m) — Mean for 17 days.

* — Data rejected.
(R) — Data not received
(X) — Data not available

TABLE II.—ABSTRACTS OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF MARCH, 1962.

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 geopotential of 850/700 mbs. pressure level in Gpm.	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
	GMT.	Ft.	Mb.	Mb.	Mb.	oF	oF	oF	Mb.	Mb.	%	%	Oktas										
QUETTA																							
Sibi	0000	441	996.0		1012.1	61.2	55.3	*	*		*		1.5		1	0	0	p	0	0	0	3	26
	0300		997.4	+2.0	1013.1	63.2	58.6	*	*		*	*	2.3	+0.5	7	3	0	1	0	0	0	12	8
	1200		994.4		1009.5	83.6	76.8	*	*		*		1.7		3	3	0	3	9	5	1	6	1
KALAT																							
Nokkund	0000	2229	934.5		1011.7	60.6	50.9	40.8	8.8		50		1.1		4	8	8	0	1	2	3	4	1
	0300		936.3		1013.2	61.2	53.1	44.4	10.5	+2.1	55	+9	1.2	—1.1	10	9	5	1	2	0	2	2	0
	1200		933.2		1007.1	81.9	61.4	43.7	10.2		27		0.8		5	1	4	4	3	3	7	4	0
Turbat	0000	510	992.9		1010.9	67.0	59.4	51.7	13.9		62		0.5		1	3	4	1	0	0	3	0	19
	0300		994.5		1012.5	68.7	60.0	51.2	13.8		58		0.7		1	1	9	0	0	0	0	0	20
	1200		990.7		1007.9	89.6	65.3	43.3	9.8		23		0.9		2	1	1	1	5	8	12	1	0
Jiwani	0000	185	1004.7		1011.3	69.1	65.4	62.5	19.8		82		1.6		2	2	0	5	2	3	6	2	9
	0300		1006.2		1012.7	70.2	65.7	62.0	19.6		78		2.9		6	2	2	2	1	1	7	1	9
	1200		1003.9		1010.3	79.1	69.1	62.7	19.6		59		2.6		0	0	0	-	12	9	4	0	0
Pasni	0000	28	1010.0		1010.0	67.4	63.5	0.7	18.3		79		4.0		2	2	1	1	1	1	10	11	2
	0300		1011.5	—0.5	1012.5	68.8	64.0	60.5	18.3	+0.8	78	—1	3.5	+2.1	3	1	3	1	0	0	8	12	3
	1200		1009.2		1009.9	80.8	70.3	63.1	20.5		56		3.3		1	0	1	6	12	9	2	0	0
KARACHI																							
Ormara	0000	15	1010.3		1010.8	68.3	5.3	62.6	19.9		84		2.8		0	0	1	0	0	0	8	4	18
	0300		1011.5		1012.0	71.0	67.0	63.0	20.8	+1.3	79	—4	3.2	+1.0	0	0	1	1	0	0	6	6	22
	12000		1008.9		1009.4	81.5	69.	61.4	19.3		54		2.4		0	0	1	1	10	4	15	0	0
Lasbela (R)	0000	292																					
	0300																						
	1200																						
Monora	0000	13	1010.6		1011.1	*	*	*	*		*		*		3	4	1	0	0	1	9	4	9
	0300		1011.9	—0.3	1012.4	*	*	*	*	*	*	*	*		2	2	1	0	0	1	10	5	10
	1200		1009.2		1009.7	*	*	*	*		-		*		0	0	0	0	1	15	15	0	0
Karachi (Mauripur)	0000	52	1008.9		1010.7	68.1	63.7	60.5	18.2		78		1.7		3	5	1	0	0	2	3	4	13
	0300		1010.3		1012.1	68.8	63.2	58.4	17.3		73		2.3		6	7	1	0	0	2	2	2	11
	1200		1007.8		1009.6	81.9	8.9	58.5	17.7		49		2.1		0	0	0	0	1	23	6	1	0
Karachi (City)	0300	20	1011.2		1011.9	71.6	64.8	60.1	17.8		70		2.1		*	*	*	*	*	*	*	*	*
	1200		1008.4		1009.1	81.4	69.7	62.0	20.1		56		1.7		*	*	*	*	*	*	*	*	*
Karachi (Airpor.)	0000	73	1008.4		1011.1	66.2	61.6	57.8	16.6		76		0.9		4	4	0	0	0	1	4	3	15
	0300		1010.2		1012.9	68.7	62.5	57.1	16.6		70		2.3		5	3	0	0	0	1	4	1	17
	1200		1007.1		1009.6	83.5	67.4	54.6	15.7		42		1.9		0	1	0	0	0	6	17	7	5
Gadap (R)	0300																						
	1200																						
HYDERABAD																							
Dadu	0000		*		*	*	*								*				*				
	0300		(o) 1008.5		(o) 1013.0	(o) 63.9	(o) 57.2	50.2	23.2		63		1.2		(o) 6	(o) 2	(o) 2	(o) 2	(o) 1	(o) 1	(o) 1	(o) 1	(o) 0
	1200		(o) 1005.4		(o) 1009.8	(o) 85.9	(o) 65.2	47.8	11.9		28		2.9		(o) 3	(o) 4	(o) 2	(o) 2	(o) 3	(o) 0	(o) 0	(o) 1	(o) 0

* — Data rejected.
(o) — Data for 16 days.

(X) — Data not available.
(R) Register not received.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF MARCH, 1962.

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 geopotential of 850/700 mbs. pressure level in Gpm.	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
	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas										
HYDERABAD— *contd*																							
Mith	0000	96	1004.6		1007.9	63.9	61.0	57.6	17.0		83		0.0		0	0	0	0	0	0	0	0	31
	0300		1007.8		1011.5	68.1	62.9	58.6	17.3		73		0.2		0	0	0	0	0	4	0	0	27
	1200		1003.4		1006.6	92.0	70.9	56.6	16.3		33		0.1		0	0	1	0	0	0	10	3	16
Nagar Parker	0000	178	1001.6		1007.8	71.2	61.5	52.8	14.3		55		*		0	0	0	0	0	1	0	15	15
	0300		1003.9		1010.1	74.1	63.0	54.3	15.4		54		*		0	0	0	0	0	0	3	4	24
	1200		1000.0		1006.0	91.9	66.4	43.1	10		21		*		0	0	0	0	0	2	1	5	23
Umerkot	0000	55	1007.6		1009.7	64.5	59.0	55.2	14.6		71		1.0		1	1	0	1	12	9	1	1	5
	0300		1009.5		1011.5	68.6	62.0	56.7	16.0		68		3.2		2	1	1	1	8	9	2	1	6
	1200		1005.9		1008.1	92.1	69.3	54.1	14.2		28		3.5		2	0	1	0	4	9	8	7	0
Chhor	0000	19	1009.4		1010.1	59.8	55.5	51.5	13.1		75		0.9		1	0	0	0	0	2	0	0	28
	0300		1011.2		1011.9	66.0	59.4	53.5	14.4		63		2.2		0	1	0	0	2	6	1	0	21
	1200		1007.3		1007.9	91.7	66.0	43.9	10.3		20		2.7		1	0	0	0	1	10	8	2	9
Hyderabad	0000	98	1007.2		1010.5	66.3	59.9	54.6	14.8		67		1.9		6	0	0	0	3	4	0	0	18
	0300		1008.9	+0.3	1012.4	68.5	60.6	54.2	14.5	+1.5	62	+7	2.5	+1.1	6	1	0	0	0	4	0	0	20
	1200		1005.3		1008.7	90.1	65.4	43.3	10.3		21		2.4		5	0	1	0	4	6	2	1	12
Badin	0000	31	1009.3		1010.4	65.3	60.9	57.6	16.3		77		*		*	*	*	*	*	*	*	*	*
	0300		1011.5	+0.5	1012.6	68.8	62.4	57.4	16.4	—0.5	69	+3	*		*	*	*	*	*	*	*	*	*
	1200		1007.8		1008.9	92.6	69.5	51.0	14.2		27		*		*	*	*	*	*	*	*	*	*
KHAIRPUR																							
Padidan	0000	153	1005.0		1010.5	61.4	55.2	48.6	12.1		65		1.8		4	4	0	2	0	0	0	1	20
	0300		1007.1		1012.6	63.2	56.0	49.3	12.1		62		2.6		5	6	3	0	2	1	1	11	2
	1200		1003.4		1008.6	87.0	63.8	42.9	9.8		23		2.8		2	7	0	5	4	3	2	7	1
Nawab Shah	0000	124	1007.0		1011.5	61.8	55.4	49.9	12.1		65		0.9		6	1	1	1	2	0	2	5	13
	0300		1009.1		1013.7	63.9	56.4	49.4	12.2		60		2.3		5	1	1	2	1	0	1	10	10
	1200		1005.5		1009.8	88.8	63.7	41.0	8.9		19		2.5		3	1	1	1	2	7	3	6	7
Sukkur	0000																						
	0300	221	1004.6	+0.4	1012.5	65.6	57.9	50.7	13.7	+1.8	60	+7	2.5	+1.2	4	10	0	7	6	1	0	1	2
	1200		1000.9		1008.4	87.1	65.6	48.4	12.8		27		2.9		9	7	2	0	4	6	1	2	0
Kashmore	0000	225	*		*	64.8	55.4	46.1	10.8		52		1.0		0	1	0	0	0	0	0	0	30
	0300		*		*	67.3	56.6	46.6	10.9		48		1.4		0	3	0	0	0	0	0	0	28
	1200		*		*	85.0	65.5	50.7	12.7		31		1.7		0	4	0	0	0	0	0	2	25
Jacobabad	0000	183	1004.5		1011.0	65.4	56.9	49.5	12.8		58		2.6		4	7	15	0	1	1	0	2	1
	0300		1006.1	+0.7	1012.8	67.8	58.2	49.9	11.5	—1.0	56	+1	2.8	+1.0	1	2	16	2	1	0	2	3	3
	1200		1002.8		1009.0	86.7	64.8	46.8	11.1		27		3.1		3	2	3	6	4	2	3	3	5
JUNAGURH																							
Veraval	0300	26	(e) 1011.9 (L)		(e) 1012.9 L	(e) 69.3 (L)	64.8	(T) 60.9	18.9		(e) 77 (L)		(e) 1.7 (L)		10	1	1	0	(e) 1 (L)	0	1	13	1
	1200		1008.8		1009.8	78.9	72.4	69.0	24.2		72		1.3		0	0	0	2	0	0	10	7	0
ARABIA																							
Muscat (S) ...																							

(S) — Observations suspended. (*) — Data rejected.
(e) — Observations for 28 days. (L) — Observations for 19 days.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF MARCH, 1962.

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 geopotential of 850/700 mbs. pressure level in Gpm.	Dry bulb.	Wet bulb.	Dew point.	Vapour pressure.	Departure from normal.	Relative humidity.	Departure from normal.	Relative humidity.	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.	M.	%	%	oktas										
HILL STATIONS																							
KASHMIR																							
Srinagar	0000																						
	0300																						
	1200																						
Gulmarg (X)	0300																						
	1200																						
Gurez	0300																						
	1200																						
Sonamarg (X)	0300																						
	1200																						
Dras (X)	0300																						
	1200																						
Kargil (X)	0300																						
	1200																						
Leh (X)	0000																						
	0300																						
	1200																						
Skardu (X)	0000	7250	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	0300		778.3	—	1482.4	42.9	34.5	20.7	3.7	—1.9	41	—32	4.3	—0.7	0	1	2	0	1	0	1	0	26
	1200		774.3		1421.5	55.0	38.8	9.6	2.3		17		5.1		0	0	3	0	11	2	5	0	10
Minimarg (X)	0000	10190	—		—	—	—	—	—	—	—		—		—	—	—	—	—	—	—	—	—
	0300		700.7	—	3111.5	28.0	24.4	18.4	3.3	—	65	—	2.2	—	7	4	6	0	0	0	8	0	6
	1200		698.2		3082.4	42.9	32.6	15.6	3.1		33		3.9		1	2	12	10	0	1	3	1	1
Aliabad (X)	0300																						
	1200																						
Gilgit	0000	4789	854.1		1466.2	43.6	38.0	29.3	5.4		58		3.0		0	0	1	2	2	1	4	5	16
	0300		855.7	—	1513.9	51.7	41.8	26.2	5.1	—	38	—	3.8	—	2	2	0	0	1	4	3	1	18
	1200		851.0		1469.1	66.3	4.77	18.9	3.8		17		5.3		0	1	5	3	1	1	10	2	8
RAWALPINDI																							
Murree (X)	0000	7113	—		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	0300		784.2	+0.3	1502.2	44.0	37.5	27.9	5.3	—0.3	54	+1	4.2	+0.6	0	5	7	9	0	0	0	2	8
	1200		783.5		1488.1	48.8	42.5	34.9	7.0		60		5.6		0	1	4	9	0	2	2	2	11
PESHAWAR																							
Drosh	0000	4806	854.6		1509.1	47.4	40.8	31.2	6.0		55		2.8		1	1	0	4	0	0	0	0	25
	0300		855.8	+0.5	1520.5	46.7	40.7	31.8	6.2	—0.1	57	—10	4.2	+0.4	0	1	1	2	0	1	0	0	26
	1200		852.5		1489.1	62.0	48.3	30.1	6.0		33		5.9		0	2	0	0	1	16	0	0	12

Data rejected.

(X) — Data not available.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF MARCH, 1962.

DIVISION AND STATION	Hours of observation.	Height of bar cistern above	Mean Pressure: standard temperature and gravity.	Mean Pressure: Departure from normal.	Mean Pressure: Reduced to standard temperature and M.S.L. or geopotential of 850/700 mbs. pressure level in Gpm.	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										
Cherat	0000	4272	*	*	*	47.9	*	—			—		*		2	11	4*	2	1	0	0	11	0
	0300		*	—	*	51.5	*	—	—	—	—	—	*	—	0	12	5	1	0	0	0	13	0
	1200		*		*	58.5	*	—	—		—		*		0	13	5	0	5	0	0	8	0
Kakul	0000	4214	871.8		1491.9	49.6	45.0	39.7	8.2		70		3.9		10	6	3	3	1	0	2	6	0
	0300		872.6	—	1500.9	51.9	46.3	40.0	8.2	—	65	—	3.7	—	8	2	5	0	1	1	4	10	0
	1200		871.2		1490.7	60.6	51.5	42.6	8.9		52		5.0		2	1	2	3	9	7	2	5	0
Balakot	0000	3226	(X)		(X)	*	*	—	—		—		2.4		9	3	0	1	1	0	0	7	10
	0300		(X)	—	(X)	51.1	48.1	44.7	10.2	—	80	—	2.5	—	6	4	0	1	2	1	2	5	10
	1200		(X)		(X)	64.8	59.2	54.4	14.9		72		3.9		1	1	0	0	0	4	0	0	25
Landi Kotal	0000	3503	893.2		1473.6	46.5	43.9	40.8	8.7		82		2.1		0	0	0	1	0	0	0	0	39
	0300		894.1	—	1483.5	48.9	45.7	41.8	9.2	—	79	—	3.3	—	0	0	0	1	0	2	0	0	28
	1200		892.3		1479·1	63.3	52.1	41.1	8.7		45		4.5		0	1	0	8	0	7	0	1	14
PESHAWAR																							
Parachinar	0000	5673	*		*	*	*	—	—		—		4.1		0	0	0	0	0	0	0	0	31
	0300		*	—	*	43.8	*	—			—	—	3.5	+0.2	0	0	0	1	0	0	0	0	30
	1200		*		*	54.1	*	—	—		—		5.0		0	4	4	11	0	3	0	1	8
D. I. KHAN																							
Miranshah	0000	3026	*		*	*	*	—	—		—		2.2		0	1	0	1	0	0	0	0	29
	0300			—	*	51.8	47.4	42.8	9.4	+2.0	71	+12	2.1	—0.4	0	2	0	0	0	0	0	0	29
	1200		*		*	65.5	53.7	42.1	9.5		43		4.2		0	16	1	0	1	1	0	0	12
Wana	0300	4503	*	—	*	47.5	43.3	38.8	7.5	+0.8	71	+4	2.7	+0.1	0	0	0	1	0	0	0	0	30
	1200		*		*	61.2	51.2	40.3	8.8		48		5.0		0	4	0	6	0	0	1	3	17
QUETTA																							
Fortsandeman (P.T.)	0300	4614	860.9	+1.3	1510.4	51.0	44.7	35.9	7.6	+1.1	60	—7	2.3	0.0	1	1	1	1	1	1	2	1	22
	1200		858.2		1487.3	64.6	49.4	29.7	5.9		31		5.1		4	4	3	1	2	4	5	3	5
Fortsandeman (P.B.O.)	0000	4615	859.7		1499.0	48.8	44.5	40.0	8.3		73		2.5		0	0	1	0	3	5	0	0	22
	0300		860.9		1510.7	50.8	45.9	39.9	8.6		68		3.0		1	1	0	0	3	3	0	0	23
	1200		858.1		1486.5	63.9	51.0	36.1	7.6		40		6.2		0	7	0	2	1	7	8	2	4
Hindubagh	0000	5909	*		*	38.6	34.7	29.0	5.4		68		1.2		0	0	0	0	0	2	16	0	13
	0300		819.5		1498.2	44.4	39.0	32.5	6.2		64		3.2		0	0	0	0	0	3	18	0	10
	1200		817.3		1465.1	58.7	46.2	39.5	6.1		40		5.6		3	1	3	1	0	7	12	2	2
Loralai (a)	0000	4699	855.4		1483.1	45.7	42.0	37.1	7.7		77		3.6		3	6	2	0	3	1	2	0	13
	0300		856.7		1494.5	48.2	44.1	37.3	8.2		71		4.6		1	1	0	0	0	0	12	12	5
	1200		854.2		1471.0	64.0	53.6	42.7	9.9		51		5.7		3	0	2	12	6	4	1	3	0
Harnai	0300	2861	*		*	*	*	*					2.1		0	0	0	0	0	0	31	0	0
	1200		*		*	*	*	*					3.1		0	0	25	0	0	0	6	0	0
Quetta (Sanzungli)	0000	5213	840.6		1496.0	42.9	39.7	35.4	7.2		76		3.2		0	0	4	14	1	1	0	0	11
	0300		841.7		1506.1	44.3	41.1	37.2	7.6		77		4.1		0	1	3	9	1	1	1	1	14
	1200		839.6		1482.8	60.7	49.2	36.0	7.8		46		5.4		1	0	1	7	4	6	7	4	1

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

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 geopotential to 850/700 mbs. pressure level in Gpm.	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
QUETTA—contd.	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas										
Quetta (P.T.)	0300	5490	833.1	—0.6	1504.3	49.1	43.1	35.2	7.3	+0.8	60	—7	3.8	+1.1	0	1	0	4	10	3	1	2	10
	1200		830.8		1477.1	59.4	46.2	31.3	6.0		36		5.2		2	2	0	2	4	5	8	5	3
Quetta (P.B.O.)	0000	5560	930.1		1530.5	44.7	39.6	31.7	6.4		62		2.3		0	0	1	0	2	2	0	0	26
	0300		930.9		1540.8	47.6	41.4	33.4	7.0		61		3.7		0	1	7	4	3	4	1	2	9
	1200		929.1		1518.0	60.6	47.6	32.8	7.6		39		5.8		0	0	0	1	5	9	7	2	7
Chaman	0000	4311	867.8		1485.6	53.1	46.1	38.3	7.8		58		3.9		0	0	23	7	0	0	1	0	0
	0300		868.4	—1.0	1491.9	55.7	47.3	37.6	7.8	+1.1	52	—2	3.9	+0.9	1	1	13	12	2	1	1	0	0
	1200		866.3		1473.7	65.6	52.5	39.1	8.3		40		3.9		0	0	2	3	2	10	12	2	0
Nushki	0000	3416	*		*	56.8	44.3	26.3	4.9		33		1.0		0	1	19	0	0	1	0	3	7
	0300		901.3		1530.9	60.9	49.4	35.2	7.3		41		2.9		0	2	18	4	0	0	0	2	5
	1200		899.3		1522.6	72.2	54.4	34.7	7.4		29		2.8		0	0	6	0	1	4	9	6	5
Dalbandin	0000	2788	916.8		1480.1	56.7	49.1	40.5	8.8		56		2.7		1	7	0	7	1	2	3	4	6
	0300		918.1	—0.1	1490.3	55.9	48.7	40.4	8.8	+0.8	58	+5	2.7	+0.4	2	10	1	3	1	3	0	2	9
	1200		915.0		1488.3	77.4	56.9	36.1	7.5		24		3.7		2	3	1	4	2	8	2	7	0
KALAT																							
Kalat	0000	6616	797.8		1494.3	40.7	37.5	33.1	6.5		76		1.0		1	0	1	1	20	2	1	0	5
	0300		798.1	—1.6	1500.8	43.9	39.3	34.3	6.5	+0.6	69	+10	0.8	—1.4	0	2	0	0	28	1	0	0	0
	1200		796.1		1461.7	56.5	46.4	35.8	3.9		49		3.9		7	1	3	1	4	3	8	4	0
Panjgur (P.B.O.)	0000	3180	903.9		1478.4	54.8	49.8	44.4	10.2		68		2.0		1	5	4	0	0	1	0	1	19
	0300		905.2		1491.6	55.9	50.3	45.0	10.2		68		2.1		3	6	6	1	0	0	2	0	13
	1200		902.5		1485.7	75.6	62.4	52.1	13.9		45		4.0		3	2	0	0	11	4	7	2	2

(a) — Data for 30 days.

* — Data Rejected.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF MARCH, 1962.

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
CHITTAGONG																					
Rangamati	93.9		100	29,31	69.1		62	2	0.06		0.06	1	0		x		0	0	14	0	0
Cox's Bazar (P.T.)	88.2	+1.9	94	15	66.8	+2.4	61	3	0.00	—1.49	0.00		0	—1.5	x		0	0	0	0	0
Chittagong (P.B.O.)	88.5		95	25,30	68.0		62	3	0.13		0.13	7	1		x		0	0	4	0	0
Chittagong (P.T.)	8.98	+2.7	97	25,26,30	68.0	+0.8	61	2,3	0.17	—2.29	0.17	7	1	—1.5	x		0	0	0	0	0
Maijdi Court (R)																					
Comilla (R)																					
Brahman Baria	91.9	+1.9	100	29,31	65.2	+1.2	58	2,8	0.25	—2.78	0.25	11	1	—2.7	25		1	0	0	0	0
Salhet (P.B.O.)	89.5		98	31	62.2		55	8	0.10		0.05	6	0		x		1	0	0	0	0
Srimangal (R)																					
DACCA																					
Mymensingh	91.7	+3.7	100	31	63.1	—1.6	55	2	0.04	—1.80	0.03	6	0	—3.0	x		2	0	0	0	0
Jamalpur (R)																					
Narayanganj	94.2	+4.4	102	31	67.4	—0.7	61	2	0.45	—1.94	0.45	11	1	—2.2	3.1	+0.3	1	0	0	0	0
Dacca (Tegaon)	94.1		102	30,31	64.5		55	8	0.22		0.22	11	1		3.9		1	0	0	0	0
Faridpur (R)																					
KHULNA																					
Barisal	92.6	+3.0	100	30,31	68.0	—0.8	60	17	0.00	—2.05	0.00		0	—3.1	x		0	0	3	0	0
Khulna (R)																					
Satkhira	94.4	+0.6	102	29,31	66.4	—1.5	58	2	0.78	—1.06	0.48	12	2	—0.5	0.5	—1.6	0	0	6	0	0
Jessore (P.T.) (R)																					
RAJSHAHI																					
Pabna (R)																					
Ishurdi	91.5		99	29,31	60.7		52	1,9	0.29		0.29	11	1		x		0	0	0	0	1
Sirajgonj	93.0		101	31	61.5		52	9	0.00	—1.28	0.00		0	—2.1	2.0		0	0	0	0	1
Rajshahi (R)																					
Bogra (P.B.O.)	93.7	+3.0	102	31	62.5	—0.5	54	9	0.02	—1.12	0.02	6	0	—2.0	2.9	+1.1	0	0	0	0	0
Dinajpur	92.2	+3.0	100	30	60.7	—0.2	52	1	0.39	—0.30	0.39	6	1	—0.4	x		0	0	0	0	0
Rangpur (R)																					
KASHMIR																					
Jammu (X)																					
LAHORE																					
Lahore P.B.O.	79.7	—2.9	90	30,31	56.7	+3.5	47	9	1.72	+0.93	0.84	4	4	+2.1	2.3	+0.4	6	0	0	0	1
Lahore Cantt.	79.6	—	91	30,31	5.61	—	46	6	1.91	—	1.06	4	3	—	3.2	—	3	1	1	0	0
Sialkot (R)																					
RAWALPINDI																					
Jhelum	80.5	—	92	30	54.0	—	45	8	0.82	—	0.38	21	2	—	2.4	—	7	0	0	0	1
Chaklala	74.7	—	87	30	50.5	—	39	8	2.70	—	1.13	21	4	—	4.6	—	10	1	0	0	1
Rawalpindi	75.6	+0.5	88	30	51.5 (a)	+1.1	42	8	2.50	—0.17	0.76	21	6	+1.3	2.7 (b)	+0.4	6	0	0	0	0
Campbellpur	75.4	—	89	30	52.0	—	47	16,17	0.00	—	0.00	—	0	—	1.5	—	0	0	0	0	0

(R) — Register not received.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF MARCH, 1962.

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.	Visibility Code Figure 93 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	22
SARGODHA																					
Khushab	79.8	—1.5	91	29,30	55.3	—0.5	47	6,7	2.20	+1.16	1.16	5	3	+0.5	3.4	—0.3	2	0	0	0	0
Sargodha	78.8	—	92	30	55.4	—	47	8,9,10	2.28	—	1.25	5	3	—	3.9	—	9	0	0	0	0
Mianwali	78.7	—	91	30	x	—	—	—	1.81	—	0.70	31	4	—	0.0	—	0	0	0	0	1
Lyallpur	*	—	—	—	54.6	+1.0	47	6	1.81	+1.25	0.82	18	4	+2.4	1.5	—0.4	3	0	1	0	0
MULTAN																					
Montgomery	81.7	—2.1	94	31	57.3	+1.3	48	9,10	1.26	+0.84	1.10	18	2	+0.7	(X)	—	4	1	2	0	1
Multan P.B.O.	83.1	—	95	30	57.0	—	47	5	1.00	—	0.43	18	3	—	3.1	—	7	0	0	1	0
Multan Surf.	82.9	—1.0	95	30	60.2	+3.0	50	5	0.69	+0.29	0.40	18	2	+1.0	(X)	—	5	0	0	0	1
Leiah (R)																					
BAHAWALPUR																					
Khanpur P.B.O.	87.1	—	97	30	(b) 57.2	—	44	6,7	0.55	—	0.27	17	2	—	(a) 3.7	—	5	0	0	0	0
Bahawalpur	85.1	—0.5	97	30,31	58.5	+3.3	42	7	0.20	+0.20	0.15	23	1	+0.1	2.8	+0.2	2	0	0	0	0
Fort Abbas	85.8	—	95	30,31	55.3	—	47	5	0.00	—	0.00	—	0	—	2.5	—	0	0	0	0	0
PESHAWAR																					
Chakdara	71.2	—	85	30	47.1	—	41	8	3.19	—	1.50	31	6	—	(X)	—	2	0	0	0	0
Peshawar	75.9	+1.1	87	29,30	52.6	+0.2	46	4 days	2.36	—0.08	1.74	31	2	—2.6	(a) 1.7	—0.1	5	0	0	0	0
Risalpur	76.0	—	89	30	49.6	—	41	9	2.61	—	1.67	31	6	—	2.1	—	7	0	3	0	0
Haripur	75.0	—	86	30	50.7	—	44	1,2	3.20	—	1.55	4	6	—	4.9	—	1	1	0	0	0
Kohat	75.0	—	87	29,30	54.7	—	43	5	2.43	—	1.28	31	5	—	5.6	—	13	0	0	0	0
D. I. KHAN																					
Bannu	76.5	—1.5	87	29,30	54.6	+1.7	47	9	0.93	—0.65	0.33	31	4	+0.3	2.0	—	0	0	0	0	0
D. I. Khan	80.8	—1.0	90	4 days	59.6	+1.9	48	5	1.10	+0.14	0.41	18	4	+1.7	0.9	—0.6	0	0	0	0	0
QUETTA																					
Sibi	86.2	+0.2	95	30	59.7	+0.3	49	6	0.63	+0.31	0.55	25	1	+0.1	2.1	—1.0	0	0	0	0	0
KALAT																					
Nokkundi	83.9	+5.8	94	29	57.0	+5.2	44	5	0.12	0.00	0.07	17	0	—0.6	x	—	0	0	0	0	1
Turbat	91.9		99	15	x	—	x	—	0.35		0.21	25	2	—	x	—	0	0	0	1	0
Jiwani	82.5	—	90	16	66.6	—	58	5	0.16	—	0.16	25	1	—	7.5	—	2	0	0	0	0
Pasni	85.3	+0.7	94	15	65.1	+3.2	74	24	0.00	—0.51	0.00	—	0	—0.7	x	—	1	0	0	0	0
KARACHI																					
Ormara	85.0	+3.1	94	15	66.0	+0.6	54	7	0.98	+0.75	0.98	25		+0.3	6.7	—1.0	0	0	2	2	0
Lasbela (R)																					
Karachi (Manora)	*		*	*	*	*	*	*	0.00	—0.29	0.00	—	0	—0.6	x	—	0	0	0	0	0
Karachi (Mauripur)	85.3	—	99	15	65.6	—	56	5	0.00	—	0.00	—	0	—	x	—	0	0	1	0	0
Karachi (City)	86.0	—	99	15	65.5	—	56	5, 6	0.00	—	0.00	—	0	—	x	—	0	0	0	0	0
Karachi (Airport)	88.0	—	99	15	63.6	—	53	5	0.00	—	0.00	—	0	x	5.4	—	0	0	1	0	1
GADAP (R)																					

(a) — observations for 30 days
(b) — Observations for 29 days.

(-) — Data not received.
(X) — Data not available.
(R) — Register not received.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF MARCH, 1962.

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
HYDERABAD																					
Dadu	(a) 86.6	—	93	13,29	(a) 59.2	—	47	7	0.20	—	0.12	25	1	—	x	—	0	0	0	0	0
Mithi	96.4	—	103	15*	61.0	—	44	6	0.00	—	0.00	—	0	—	1.9	—	0	0	0	0	0
Nagar Parker	93.4	—	99	30	69.0	—	58	7	0.00	—	0.00	—	0	—	x	—	0	0	0	0	0
Umerkot	94.7	—	104	15	61.5	—	49	5	0.15	—	0.15	—	1	—	x	—	1	0	0	0	0
Chhor	94.0	—	103	15	57.4	—	41	5	0.03	—	0.03	4	0	—	1.9	—	1	0	0	0	0
Hyderabad	92.9	+0.4	98	30	6.45	+0.7	53	5	0.09	—0.11	0.05	19	0	—0.4	2.9	—1.4	0	0	0	0	0
Badin	96.6	+4.9	98	25,30	62.7	+1.0	51	6	0.00	—0.15	0.00	—	0	—0.2	x	—	0	0	0	0	0
KHAIRPUR																					
Padidan	89.6	—	97	31	56.8	—	44	5	0.28	—	0.15	27	2	—	4.6	—	3	0	0	0	0
Nawabshah	90.8	—	96	30,31	59.5	—	44	5	0.38	—	0.24	22	2	—	3.9	—	3	0	0	0	0
Sukkur	89.1	+1.2	96	30	61.2	+1.6	52	5,6	0.00	—0.24	0.00	4	0	—0.9	x	—	1	0	0	0	0
Kashmore	*		*	*	*		*		0.00	—	0.00	—	0	—	x	—	0	0	0	0	0
Jacobabad	88.7	—0.9	97	31	63.0	+2.4	51	5	0.28	+0.06	013	17	2	+1.3	6.5	+2.5	0	0	0	0	0
JUNAGARH																					
Veraval	x	—	x	—	x	—	x	—	—	0.00	—	—	0	—	x	—	0	0	0	0	p
ARABIA																					
Muscat (X)																					
HILL STATIONS																					
KASHMIR																					
Srinagar (X)																					
Gulmarg (X)																					
Gurez (X)																					
Sonamarg (X)																					
Dras (X)																					
Kargil (X)																					
Leh (X)																					
Skardu	58.1	+7.8	68	29,30,31	36.5	+4.1	28	9	0.00	—1.02	0.00	—	0	—3.0	4.3	—1.4	0	0	0	0	0
Mbgar	48.6	—	59	29,30	23.5	—	13	6,7	0.32	—	0.28	4	1	—	3.7	—	0	0	0	0	0
Allabad (X)																					
Gilgit P.B.O.	68.6	—	81	30	40.7	—	30	9,10	0.13	—	0.13	4	1	—	3.0	—	0	0	0	0	0
RAWALPINDI																					
Murree	54.0	—1.6	65	30	38.8	+1.0	29	4,5	5.60	+0.79	1.61	4	10	+2.7	6.8	+1.6	9	9	4	0	0
PESHAWAR																					
Drosh	68.8	+10.7	83	29	44.3	+3.9	36	31	2.12	—1.61	1.18	31	5	—2.4	2.6	—0.5	1	0	0	0	0
Chitral	*	—	—	—	44.9	—2.8	39	6	*	—	—	—	—	—	*	—	1	0	0	0	0
Kakul	65.8	—	76	30	47.6	—	38	4,5	5.97	—	3.12	4	7	—	(X)	—	11	2	0	0	0
Balakot	69.9	—	80	27,30	47.2	—	37	5	5.06	—	2.70	4	5	—	3.1	—	0	0	0	0	0
Landikotal	67.0	—	79	28	43.4	—	35	8,9	5.39	—	3.34	31	5	—	(X)	—	2	0	0	0	0
Parachinar	60.3	+0.5	71	29	40.4	+1.8	32	5	4.68	+0.34	1.50	31	8	—0.3	2.4	0.0	0	0	0	0	0

(X) — Data not availble (*) — Data Rejected. (a) — Data for 16 days.

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	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 Figur 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
D. I. KHAN																					
Miranshah	*	—	—	*	*	—	—	—	4.54	+2.00	1.05	13	6	+0.6	1.9 (c)	− 2.8	0	0	0	0	0
Wana	66.8	+1.1	75	29	42.4	+2.4	33	5.9	5.89	+3.96	1.70	17	10	+6.1	1.6	—	1	0	0	0	0
QUETTA																					
Fortsandeman (P.T.)	67.1	−2.8	77	29	46.8	+2.0	41	8	2.38	+1.00	0.78	17	6	+2.4	x	—	10	0	0	0	0
Fortsandeman (P.B.O.)	65.4	—	76	29	46.5	—	40	1.8	2.72	—	0.82	17	7	—	2.8	—	10	0	0	0	0
Hindubagh	61.1	—	68	27	37.2	—	31	13	3.87	—	0.79	18	9	—	5.4	—	0	0	0	0	0
Loralia	67.8	—	74	30	41.8	—	33	8	3.54	+2.24	0.72	19	9	+5.9	3.5	—	0	0	0	0	0
Harnai	x	—	x	—	x	—	x	—	1.43	+0.02	0.60	20	5	+2.1	x	—	0	0	0	0	0
Quetta (Samungli)	64.0	—	71	2,29 & 30	39.3	—	25	5	3.07	—	0.87	30	9	—	6.6	—	11	0	0	0	0
Quetta (P.T.)	62.4	—	70	29,30	41.1	—	29	6	2.89	—	0.48	25	8	—	3.7	+0.9	2	0	0	0	0
Quetta (P.B.O.)	65.2	—	74	29	42.0	—	30	5	2.67	—	0.54	30	9	—	3.3	—	2	0	0	0	0
Chaman	66.7	+0.2	75	12	48.3	+2.3	35	4	0.88	−0.61	0.25	3	4	0.0	x	—	6	0	0	0	0
Nushki	76.0	—	83	1,29,30	55.5	—	44	6	1.36	—	0.46	16	5	—	x	—	0	0	0	0	0
Balbandin	80.1	+2.3	88	14	52.5	+4.8	31	5	0.51	+0.11	0.32	16	1	−0.4	5.2	+1.2	7	0	1	0	3
KALAT																					
Kalat	62.1	+1.4	68	6 days	39.8	+3.8	25	6	0.26	−0.79	0.16	17	2	−1.0	x	—	0	0	0	0	0
Panjgur (P.B.O.)	79.1	—	85	20	53.3	—	35	5	0.84	—	0.44	25	3	—	5.4	—	0	0	0	0	0

(X) — Data not avialable.

REGD. No. S-1452

PAKISTAN WEATHER REVIEW, 1962

MONTHLY WEATHER REPORT

APRIL

(PUBLISHED BY THE AUTHORITY OF THE GOVERNMENT OF PAKISTAN)

Chief Features :

1. Voilent Norwesters in East Pakistan at the end of the first week and during the later part of the third week.

2. Rain or thundershowers in the northern districts of West Pakistan towards the beginning and end of the month.

East Pakistan:

In the first fortnight of the month two western distrubances moved across the province. These caused accentuation of the seasonal trough of lowpressure which lay well marked over West Bengal and neighbourhood during most of the period. As a consequence widespread rain or thundershowers occurred in Dacca Division on the 10th and scattered to local otherwsie over the province outside Khulna Division between the 2nd and 12th and in Khulna Division as well on the 5th and 10th. According to the newspaper reports a violent Norwester swept over Srimangal in Sylhet district between the 6th and 7th night resulting in the death of a few person and injuring many. Maximum wind speed according to the reports reached was 100 miles per hour in village Lairkul. Dacca also reported a northeasterly squall of 42 miles per hour on the 8th evening and a southeasterly squall of 59 m.p.h. on the 9th evening. The heaviest rainfall of 2" was recorded at Sylhet on the 11th.

During the second fortnight three western disturbances moved across the northern divisions. The first one caused local thunderstorm or showers in Dacca and Chittagong Divisions on the 16th, a few falls of light rain or dirzzle in Khulna and Chittagong Divisions respectively on the 16th and 17th, widespread rain or thundershowers in Dacca division and local in Chittagong and Khulna divisions on the 18th and in Rajshahi and Chittagong Divisions the next day. Faridpur recorded the heaviest rainfall of 2" on the 18th. Scattered dust and thunderstorms were also reported from Rajshahi Division on the 18th and light rain from Chittagong Division a day before ; Dacca was hit by a north-westerly squall with maximum wind speed of 77 m.p.n. on the 17th afternoon.

The other two western disturbances caused fairly wide-spread rain or thundershowers in Dacca and Rajshshi Divisions on the 20th, in Khulna Division on the 21st and 23rd, only in Rajshahi Division on the 26th, over almost the whole province on the 27th and in Chittagong division on the 28th and scattered to local thunder rain otherwise over the province between the 20th and 23rd and 26th and 28th respectively. Noteworthy amounts of rainfall were 2" at Sylhet on the 20th and at Jessore on the 21st and 4" at Maijidee court, 3" each at Mymensingh and Pabna and 2" each at Fridpur and Dacca on the 27th. Towards the end of the month one more western disturbance started affecting the province and caused widespread or farily widesspread rain or thundershowers with a few moderate to heavy falls there on the 30th and scattered thunder-storms or showers in Rajshahi, Dacca and Khulna Divisions on the 29th Comila, Narayanganj, Dacca and Barisal recorded 2" each on the 30th.

The total rainfall during the month was normal in Dacca division, slight defect in Khulna divisions and large defect elsewhere. Averaged over the region as a whole it was in moderate defect.

The mean maximum temperature was above normal in Dacca and Rajshahi divisions and normal elsewhere. The mean minimum temperature was above normal in Chittagong division and normal over rest of the region.

The mean relative humidity was in defect in Rajshahi division and normal elsewhere.

The skies were less clouded than usual in Dacca and Rajshahi divisions and normally clouded over rest of the region.

West Pakistan:

Seven western disturbances influenced the weather over the province during the month. The first three which moved during the first half of the month were active. These caused fairly widespread rain or thundershowers in Peshawar and Rawalpindi Divisions on the 1st and between the 6th and 10th between and in Quetta Division between the 13th and 16th and scattered to local otherwise in the northern divisions between the 1st and 4th; in the northern and some of the central divisions between the 6th and 10th and in Peshawar, Rawalpindi, D. I. Khan and Kalat Divisions between the 13th and 16th. Scattered to local dust or thunderstorms were also reported from the west of the province during the later period. Noteworthy amounts of rainfall recorded were at cherat 3" and Murree and Khushab 1" each on the 1st, Cherat 2" on the 6th and 1½" on the 7th and Quetta and Fort Sandeman 1" each on the 13th.

The remaining four western disturbances moved during the second half of the month. Of them the first one caused scattered thunderstorms or showers in Rawalpindi and Peshawar divisions on the 17th; scattered rain in Peshawar and Quetta Divisions on the 18th, only in Peshawar Division on the 19th, local thunderstorms or showers in Peshawar Division and scattered in Rawalpindi and Sargodha Divisions on the 20th. The second one caused local rain or thundershowers in Preshawar division and scattered in Rawalpind and Multan divisions on the 24th and only in Rawalpindi Division on the 25th. According to newspaper reports Rawalpindi was struck by a violent squall during the night between the 24th and 25th with a maximum wind speed of 60 m.p.h. The third western disturbance which moved in close succession was associated with a secondary moving across the southern division. It caused local rain or thundershowers in Peshawar and D. I. Khan divisions on the 25th and a few dust-storms or thunderstorms also in Quetta and Kalat Divisions on the 25th, in Kalat and Karachi Divisions on the 26th and widespread in Sargodha Division, local in Multan Division and scattered in Karachi and Kalat Divisions with a few falls of light rain or drizzle in Lahore, Bahawalpur and Khairpur Divisions on the 28th. The last one caused local rain or thunderstorm in Rawalpindi and Peshawar Divisions and scattered in Lahore, Multan, D. I. Khan and Quetta Divisions on the 30th and scattered only in Peshawar Division on 29th. Drosh and Parachinar both recorded 1" each of rain on the 30th.

The total rainfall during the month was normal in Rawalpindi and Peshawar divisions, slight defect in Sargodha division, moderate defect in Kalat division and large defect elsewhere. Averaged over the region as a whole it was in slight defect.

The mean maximum temperature was above normal in Quetta, Kalat, Karachi, Hyderabad and Khairpur divisions and normal elsewhere. The mean minimum temperature was normal in Rawalpindi, Sargodha, Karachi and Hyderabad divisions, and normal over rest of the region.

The mean relative humidity was in excess in Sargodha and Peshawar divisions, defect in Bahawalpur and Karachi divisions and normal elsewhere.

The skies were more clouded in Rawalpindi, Multan, Peshawar, and Khairpur divisions less clouded in Sargodha and Kalat Divisions and normally elsewhere.

Table I contains the divisional means of rainfall, temperature relative humidity and the cloud amount for the 18 chief political divisions of Pakistan. These means are based on the observations at the stations whose montly means are given in the subsequent tables.

TABLE I—DIVISIONAL MEANS FOR APRIL 1962—*contd.*

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
EAST PAKISTAN	"	"	'	"	o	o	mb	%	
Chittagong	2.46	5.53	—3.07	—55	+0.4	+2.3	+0.9	—1	+0.5
Dacca	5.41	5.45	—0.04	—1	+3.0	+0.9	—0.1	—3	—1.0
Khulna	2.51	2.92	—0.41	—14	—0.1	+0.3	+1.7	+3	+0.3
Rajshahi	0.59	2.68	—2.09	—78	+3.7	+1.1	—1.8	—15	—0.8
Mean	2.67	4.21	—1.54	—37	+1.7	+1.2	+0.2	—4	—0.2
WEST PAKISTAN									
Kashmir (X)									
Lahore	0.06	0.79	—0.73	—92	+1.3	+3.2	+1.7	—1	—0.1
Rawalpindi	2.85	3.03	—0.18	—6	+0.1	+1.5	+0.4	+3	+1.7
Sargodha	0.55	0.69	—0.14	—20	+0.3	+1.5	+3.5	+13	—1.1
Multan	0.05	0.31	—0.26	—84	+0.8	+2.9	—0.7	—5	+0.5
Bahawalpur	0.00	0.18	—0.18	—100	+0.7	+3.4	—2.8	—10	+0.3
Peshawar	3.58	3.29	+0.29	+9	+0.2	+2.2	+1.8	+10	+1.7
D. I. Khan	0.37	1.17	—0.89	—68	+1.0	+2.4	+1.9	+2	+0.3
Quetta	0.27	0.64	—0.37	—58	+2.3	+2.6	+1.3	—3	—0.1
Kalat	0.27	0.44	—0.17	—39	+3.2	+3.3	0.0	—4	—0.9
Karachi	0.00	0.37	—0.37	—100	+2.2	+1.1	—0.1	—6	+0.6
Hyderabad	0.00	0.03	—0.03	—100	+2.3	+1.1	—2.7	—5	+0.2
Khairpur	0.01	0.13	—0.12	—92	+2.3	+4.5	+0.2	—1	+0.8
Mean	0.59	0.78	—0.19	—24	+1.8	+2.6	—0.1	—2	+0.1
Junagadh (X)									

(X) — Data not available

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF APRIL, 1962.

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 geopotential of 850 mbs. pressure level in Cpm.	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
	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas										
CHITTAGONG																							
Rangamati	0000	208	1002.5		1009.7	77.3	73.9	72.0	27.0		85		3.4		2	0	0	2	24	0	2	0	0
	0300		1004.6		1011.7	85.4	76.3	72.0	26.8		65		3.6		3	1	4	1	21	0	0	0	0
	1200		1000.5		1007.6	85.8	75.7	70.1	25.8		60		2.7		2	0	1	0	15	7	4	1	0
Cox's Bazar (P.T.)	0000	38																					
	0300		1009.2	—0.1	1010.5	84.7	78.4	75.6	30.3	+1.0	74	—1	3.1	—0.2	1	0	0	3	11	11	1	3	0
	1200		1006.1		1007.3	28.9	79.5	75.0	29.7		77		3.0		0	0	1	2	6	10	9	2	0
Chittagong (P.B.O.)	0000	20	1008.0		1008.7	76.5	75.0	73.9	29.0		93		4.6		0	0	5	15	1	0	0	2	7
	0300		1009.9		1010.6	84.3	78.7	76.3	30.9		77		4.3		1	3	1	9	10	2	0	1	3
	1200		1006.4		1007.1	84.0	78.7	76.2	31.1		78		3.7		0	0	2	1	8	14	5	0	0
Chittagong (P.T.)	0000	46																					
	0300		1008.5	—0.4	1010.1	83.9	76.6	73.4	27.9	—0.2	70	—5	4.5	+1.1	1	3	1	11	10	2	0	1	1
	1200		1004.8		1006.4	83.2	76.3	73.1	27.8		72		3.3		0	0	2	1	10	12	5	0	0
Maijdi court (R)	0000	25																					
	0300																						
	1200																						
Comilla (R)	0000	29																					
	0300																						
	1200																						
Brahmanbaria	0000	32	1006.5		1007.6	74.7	72.6	71.7	26.4		91		3.1		0	3	1	10	7	2	0	0	7
	0300		1008.7		1009.8	82.6	76.0	72.8	27.5	+1.9	73	+4	3.9		1	3	1	6	9	7	1	2	0
	1200		1004.4		1005.5	84.8	75.7	70.5	25.9		65		3.6		2	4	0	8	9	5	0	0	2
Sylhet (P.B.O.)	0000	115	1004.2		1008.2	71.5	69.3	67.9	23.5		89		4.5		0	1	13	1	0	0	0	0	15
	0300		1006.1		1010.1	79.4	73.1	69.8	25.0		73		5.1		0	1	22	3	2	0	0	0	2
	1200		1001.2		1005.2	83.8	75.1	71.3	25.8		67		4.2		1	2	7	0	2	4	1	1	12
Srimangal (R)	0000	77																					
	0300																						
	1200																						
DACCA																							
Mymensingh	0000	62	1005.9		1008.0	73.7	70.3	68.4	23.8		84		3.0		0	0	3	6	1	0	1	0	19
	0300		1008.0	+0.4	1010.1	80.6	73.9	70.4	25.5	+0.1	72	—2	3.7	+1.0	0	0	1	26	1	0	0	0	2
	1200		1003.0		1005.1	87.7	73.7	65.4	22.0		51		3.0		0	0	0	15	0	0	5	0	10
Jamalpur	0000	63	1005.5 (b)		1007.7 (b)	73.0	70.8	69.7	24.8		89		3.5		2	0	24	0	1	0	2	0	1
	0300		1006.9		1009.0	81.7	74.9	71.3	26.5		72		3.7		0	0	22	2	4	1	1	0	0
	1200		1001.7		1003.8	90.9	74.3	64.9	21.5		46		2.8		1	0	8	2	7	1	4	0	7
Naravanganj	0000	26	1007.0		1007.9	76.7	74.5	73.5	28.1		90		3.3		0	0	4	9	9	4	1	2	2
	0300		1008.7	+0.2	1009..	84.3	76.9	73.4	27.5	—0.4	70	—5	3.2	—1.0	0	0	5	3	13	3	2	1	3
	1200		1004.4		1005.3	86.1	76.4	71.7	26.7		63		3.8		0	1	1	6	15	4	2	1	0
Dacca (Tejgaon)	0000	32	1006.0		1007.0	75.4	73.5	72.5	27.3		91		3.5		0	0	2	0	9	2	0	1	16
	0300		1007.9		1009.0	84.3	76.4	72.6	27.5		69		3.1		1	1	2	7	10	5	2	1	1
	1200		1003.6		1004.6	85.8	74.4	68.4	23.5		58		3.7		0	1	2	1	13	6	4	1	2

R—Register not received.

(b) — Mean for 29 days.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF APRIL, 1962.

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 geopotential of 850/700 mbs. pressure level in Gpm.	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: Relative humidity.	Departure from normal.	Wind Directions ' Number of Obervations From:— N	NE	E	SE	S	SW	W	NW	Calm.
1	2	3	4	5	5	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.	%	%	ok	tas									
Faridpur (R)	0000	46																					
	0300																						
	1200																						
KHULNA																							
Barisal (R)	0000	11																					
	0300																						
	1200																						
Khulna	0000	16	1007.0		1007.6	76.7	*	*	*		*		3.3		0	0	0	1	4	2	0	0	23
	0300		1009.0	+0.6	1009.6	84.7	80.1	78.3	33.0	+4.2	81	+9	3.7	—0.4	0	0	0	3	0	6	0	0	15
	1200		1004.8		1005.4	86.6	78.6	75.4	29.8		71		3.2		0	0	1	4	12	3	0	0	10
Satkhira	0000	16	1007.2		1007.8	7..4	74.4	73 4	28.2		91		3.9		0	0	0	0	0	2	0	0	28
	0300		1009.0	+0:7	1009.6	85.3	77.3	73.5	27.4	—0.8	68	—2	3.9	+0.9	0	0	0	0	1	15	0	0	14
	1200		1004.8		1005.3	88.1	77.3	71.9	27.1		61		5.5		0	0	0	0	0	18	0	0	12
Jessore (PT) (R)	0000	26																					
	0300																						
	1200																						
RAJSHAHI																							
Pabnaj (R)	0000	48																					
	0:00																						
	1200																						
Ishurdi	0000	—	—	—	—	73.7	69.6	67.1	22.9		81		3.1		2	3	5	4	11	3	1	1	0
	0300		—	—	—	83.9	73.7	68.1	23.7		61		2.8		1	2	4	4	8	8	3	0	0
	1200		—	—	—	89.7	71.6	59.8	18.3		41		3.6		2	2	2	4	7	3	4	6	0
Sirajgonj	0000	51	1005.4		1007.2	73 4	71.0	69.4	24.7		89		1.2		0	0	1	0	0	0	0	0	29
	0300		1007.3		1009.0	83.1	74.5	70.1	25.3		66		3.2		0	2	1	6	2	9	1	0	9
	1200		1002.5		1004.2	89.7	74.2	65.7	21.8		48		2.6		0	1	0	3	4	5	0	0	17
Rajshahi (R)	0000																						
	0300																						
	1200																						
RAJSHAHI																							
Bogra (P.B.O.)	0000	65	1004.5		1006.8	73.3	69.5	67.5	22.9		81		2.9		1	2	5	5	1	1	2	0	13
	0300		1006.8	+0.3	1009.0	84.5	73.9	68.2	23.8	—0.9	59	—10	3.3	—0.1	0	2	7	14	1	2	2	0	2
	1200		1001.8		1004.0	90.6	72.5	60.5	19.1		40		3.1		0	1	2	4	2	4	7	3	7
Dinajpur	0000	123	1002.2		1006.5	73.9	66.1	60.3	18.3		65		2 1		1	0	3	1	0	1	1	1	22
	0300		1004.0	—0.3	1008.2	85 1	70.0	59.9	19.0	—2.7	46	—19	1.7	—1.5	0	0	3	0	0	0	8	1	18
	1200		(b) 999.2		(b) 1003.4	(b) 93.5	(b) 70.9	(b) 55.0	(b) 15.7		(b) 31		(b) 1.3		(b) 3	0	2	0	0	0	3	1	20
Rangpur	0000	113	10 3.8		1007.8	72 4	68.8	66.3	22.5		83		3.0		2	4	5	4	6	1	2	0	6
	0300		1005.3		1009.2	82.7	72.9	67.0	23.2		61		3.3		1	4	4	4	3	6	6	0	2
	1200		999.8		1003.7	91.0	74.0	64.4	21.0		44		2.0		6	0	3	1	1	2	11	0	12

R — Registerd not received. (b) — Observation for 29 days. * — Data rejected.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF APRIL, 1962

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. (a component of 8.30/700 mbs. pressure) level in Gpm.	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
	GMT.	Ft.	Mb.	Mb.	Mb	°F	°F	°F	Mb.	Mb.	%	%	oktas										
KASHMIR																					5		
Jammu (x)	0300	1200																					
	1200																						
LAHORE																							
Lahore P.B.O.	0000	702	981.8 (b)		1006.3 (b)	69.3	61.8	56.4	15.5		63		1.9		3	7	1	1	0	1	2	4	11
	0300		983.2	—0.2	1007.4	77.4	64.9	56.1	15.4	+2.0	48	—4	2.8	+0.5	3	11	0	2	0	1	0	5	8
	1200		980.6		1004.0	93.1	69.1	52.1	13.4		25		2.9		4	31	1	0	1	1	8	8	4
Lahore Cantt.	0000	709	981.2 (c)		1005.9 (c)	70.0	61.5	55.0	14.8		59		2.8		5	4	0	0	0	2	3	3	13
	0300		982.6	—	1007.0	76.7	64.5	56.0	15.3	—	48	—	2.8	—	4	9	2	0	1	3	0	2	9
	1200		980.0		1003.6	92.8	68.2	50.0 (i)	12.4		24		3.8		6	5	2	1	0	2	3	10	1
Sialkot	0000	830	977.1		1005.4	69.4	61.3	55.6	14.9		61		0.0		0	0	0	2	0	0	0	0	28
	0300		978.8	—0.4	1007.4	78.3	65.0	55.8	15.0	+1.3	45	—5	1.1	—0.8	0	0	0	1	1	0	0	1	27
	1200		976.4		1003.5	91.1	71.1	57.5	17.0		34		1.6		0	1	0	4	0	1	0	1	23
RAWALPINDI																							
Jhelum	0000	767	979.5		1006.5	67.1	59.3	52.9	13.8		61		3.1		2	1	0	1	1	1	1	18	5
	0300		981.1	—	1007.7	74.6	62.3	52.9	13.7	—	47	—	3.6	—	0	2	1	0	0	0	4	13	10
	1200		978.2		1003.9	91.2	66.7	47.2	11.3		2.2		4.0		1	2	2	3	0	8	2	8	4
Chaklala	0000	1667	950.3		1008.1	62.7	56.6	51.9	13.2		68		3.6		8	5	0	0	0	0	3	3	11
	0300		951.8	—	1008.9	70.0	60.1	53.1	13.7	—	57	—	4.3	—	3	3	0	0	0	0	7	4	13
	1200		949.6		1004.9	84.5	63.7	48.6	11.7		31		4.8	—	3	1	1	1	0	0	22	1	1
Rawalpindi	0000	1675	950.0		1008.1	63.6	57.1	52.0	13.3		66		3.1		8	1	1	1	0	0	5	2	12
	0300		951.3	—0.2	1008.8	70.1	60.4	53.6	14.1	+1.1	57	+9	4.0	+1.4	4	4	0	0	0	4	7	1	10
	1200		949.3		1005.0	84.3	64.7	50.9	12.9		32		4.7		2	1	0	0	1	2	18	4	2
Campbellpur (R)	0300	1175																					
	1200																						
SARGODHA																							
Khushab	0000	616	*		*	*	*	—	—		—		*		0	2	17	1	0	0	0	0	10
	0300		986.3	—0.8	1007.7	75.2	65.3	58.4	16.8	+3.8	56	+13	0.9	+1.3	0	6	6	0	1	1	2	0	14
	1200		983.7		1004.3	91.9	72.8	61.8	19.0		37		1.8		0	6	6	3	0	1	2	0	12
Sargodha	0000	617	985.0		1006.6	67.3	60.2	55.3	14.6		64		3.1		4	11	6	2	0	1	2	3	1
	0300		986.5	—	1007.9	74.7	64.2	56.6	15.8	—		—	3.8	—	5	9	3	1	0	2	3	1	6
	1200		984.1		1004.8	90.6	67.8	49.8	12.9		26		4.4		8	7	3	0	0	6	1	1	4
Mianwali	0000	679	*		*	* (d)	*	—	—		—		1.3		x	x	x	x	x	x	x	x	x
	0300		*	—	*	69.3	*	—	—	—	—	—	1.1	—	x	x	x	x	x	x	x	x	x
	1200		*		*	88.0	69.9 (l)	61.8 (l)	16.8		37		0.5		x	x	x	x	x	x	x	x	x
Lyallpur	0000		985.2		1006.3	6.9	61.1	55.9	15.3		66		1.2		0	2	0	0	0	0	0	2	26
	0300		986.4	—0.5	1007.5	72 0	63 3	57 4	16 0	+3 2	59	+13	2.3	+0.8	3	5	1	0	0	1	1	2	17
	1200		984.2		1004.4	93.6	68.4	49.5	12.4		24		2.9		5	3	3	0	0	1	2	5	11
MULTAN																							
Montgomary	0000	558	986.4 (c)		1005.9 (c)	70.6	61.5	5.41	14.4		58		1.3		2	5	0	2	0	1	0	4	16
	0300		988.0	—0.4	1007.2	77.5	64.2	54.4	14.4	—1.2	45	—11	1.9	+0.3	2	2	3	8	0	1	0	6	8
	1200		985.2		1003.9	93.2	68.6	49.8	12.8		24		2.3		2	3	0	6	1	1	0	8	9
Multan P.B.O.	0000	404	991.6		1005.8	71.0	60.9	52.7	13.7		53		2.2		10	3	2	1	3	0	0	1	10
	0300		993.5	—	1007.5	76.6	64.0	54.6	14.4	—	47	—	2.9	—	11	1	0	0	3	2	2	3	8
	1200		990.2		1003.6	95.8	67.4	44.2	10.0		18		3.4		6	2	2	4	6	5	0	1	4

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

(c) — Mean for 28 days
(R) — Data not received.

(d) — Mean for 27 days

(l) — Mean for 19 days.
(*) — Data rejected.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF APRIL, 1962.

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 at M.S.L. or to potential of 850/700 mbs. pressure level in Cpm.	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	1	13	14	15	16	17	18	19	20	21	22	32
	GMT.	Ft.	Mb.	Mb.	Mb.	°I	°F	°F	Mb.	Mb.	%	%	oktas										
MULTAN																							
Multan Surf.	0300	413	993.1	—0.5	1007.5	77.0	65.4	57.4	16.2	—0.2	51	0	2.5	+0.8	9	0	0	0	3	0	1	1	16
	1200		989.7		1003.5	95.7	70.6	53.3	14.2		25		3.0		7	0	0	0	2	0	1	0	20
Lelah (R)	0000	487																					
	0300																						
	1200																						
BAHAWALPUR																							
Khanpur P.B.O.	0000	290	995.1		1005.4	70.9	60.1	51.1	12.8		49		1.7		1	5	0	1	0	5	2	0	16
	0300		997.0	—	1007.1	78.4	63.6	52.1	13.4	—	39		1.7	—	3	8	0	1	0	3	1	0	14
	1200		993.5		1003.2	98.2	66.5	41.3	7.9		13		1.4		0	5	1	0	0	5	6	2	11
Bahawalpur	0300	384	994.4	—0.6	1007.8	77.4	63.0	51.8	13.2	—2.8	40	—10	2.1	+0.3	0	5	0	11	1	0	0	4	9
	1200		992.1		1005.0	95.1	69.8	53.0	13.4		24		1.0		1	2	0	2	1	2	0	1	21
Fort Abbas	0000	475	*		*	71.8(c)	59.5(c)	46.3	11.8		45		0.0		5	5	1	0	1	0	7	2	9
	0300		991.4	—	1007.1	79.7	62.5	49.2	11.6	—	33	—	0.0	—	4	3	2	2	8	3	4	0	4
	1200		987.5		1003.8	97.0	70.4	51.4	13.4		22		0.1		9	1	0	0	1	3	11	2	3
PESHAWAR																							
Chakdara	0000	2197	*		*	59.5	55.0	51.5	13.0		74		1.8		9	0	1	0	0	0	2	0	18
	0300		933.5	—	1009.1	62.9	57.1	52.8	13.6	—	69	—	1.9	—	7	0	1	0	0	0	0	0	22
	1200		931.3		1005.4	78.0	63.4	53.9	14.0		43		2.9		8	0	0	3	1	0	0	0	18
Peshawar	0000	1177	967.5		1008.7	64.3	59.3	55.5	15.0		73		4.3		0	2	0	4	12	3	1	1	7
	0300		968.9	—0.6	1009.7	69.8	62.8	58.2	16.4	+2.7	66	+10	5.2	+1.5	0	1	1	4	10	4	0	2	8
	1200		966.5		1006.3	81.7	65.0	52.7	13.6		37		5.1		7	3	0	4	2	1	2	8	3
Risalpur	0000	1047	971.6		1008.2	62.3	*	—	—		—		4.3		1	0	0	0	0	2	11	1	15
	0300		973.2	—	1009.3	*	—	—	—	—	—	—	5.2	—	2	0	0	0	0	6	17	2	3
	1200		970.5		1005.7	82.5	*	—	—				5.2		5	2	0	1	0	3	6	7	6
Haripur	0300	1757	948.8	—	1009.1	69.6	59.9	53.7	14.1	—	60	—	4.0	—	4	4	0	3	2	11	4	2	0
	1200		946.7		1005.2	81.9	64.1	51.7	13.2		36		3.9		6	4	0	1	6	9	1	3	0
Kohat	0000	1683	950.9		1008.9	66.7	59.2	53.8	14.1		63		4.4		5	6	0	0	0	1	1	11	6
	0300		952.4	—	1010.1	70.3	61.4	55.2	15.0	—	59	—	4.9	—	2	3	0	0	0	2	1	13	9
	1200		950.1		1006.2	82.5	64.9	52.9	13.8		37		4.9		12	7	0	2	1	0	0	3	5
D. I. KHAN																							
Bannu	0000	1263	962.9(c)		1006.7(c)	66.2	60.5(c)	54.6	15.4		70		1.8		0	4	0	1	0	0	0	6	19
	0300		964.0	—	1007.3	72.0	62.2(c)	53.4	14.7	+1.7	55	+4	2.4	+0.7	0	2	0	1	1	0	0	8	18
	1200		961.4		1003.6	86.4	66.4(c)	51.9	13.1		31		2.5		1	3	1	6	1	1	0	4	13
D. I. Khan	0000	570	987.0		1007.0	70.2	62.3	56.5	56.5		61		1.1		1	3	0	0	0	0	1	1	24
	0300		988.4	—0.3	1008.2	76.4	66.0	59.1	17.1	+1.1	55	—1	2.9	+0.7	0	5	0	0	0	0	0	0	25
	1200		985.3(b)		1004.4(b)	91.5	70.1	55.8	15.4		31		1.9		0	7	0	0	0	0	1	0	22

(b) — Means for 29 days. (c) — Mean for 28 days. (R) — Data not received (x) — Data not available * — Data rejected

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF APRIL 1962.

DIVISION AND STATION	Hours of observation.	Height of barcistern above mean sea level.	Mean Pressure: standard temperature and gravity.	Mean Pressure: Departure from normal.	Mean Pressure: Reduced to standard temperature and M.S.L. or geopotential of 850/700 mbs. pressure level in Opm.	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
	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas								7		
QUETTA																							
Sibi	0000	441	989.8		1005.2	76.2	64.5	56.5	15.5		52		1.2		0	1	0	1	0	0	0	3	25
	0300		992.0	—0.4	1007.4	78.8	64.1	54.7	13.9	+4.1	42	+11	2.2	+0.3	1	3	0	2	1	6	0	12	5
	1200		988.6		1003.2	100.1	70.3	47.0	11.8		18		2.8		0	2	0	3		10	0	9	0
KALAT																							
Nokkundi	0000	2229	9315		1006.5	71.2	57.6	45.4	10.7		40		0.0		5	4	5	1	1	1	0	11	2
	0300		933.1	—	1008.1	74.8	59.8	48.0	11.5	+0.5	40	—5	0.0	—1.9	6	3	4	0	2	3	2	5	5
	1200		930.4		1002.4	92.9	68.8	52.2	14.2		27		0.0		4	1	2	1	5	6	6	3	2
Turbat	0000	510	957.2		1006.5	754	652	579	167	...	56	—	0i	—	1	1	1	4	3	0	1	0	19
	0200		990.6	—	1007.9	80.1	66.7	57.6	16.3	—	48	—	0.4	—	0	0	4	1	0	1	0	0	24
	1200		986.5		1003.5	100.5	68.9	42.8	9.9		16		0.3		0	0	1	1	3	11	11	2	1
Jiwani	0000	185	1000.7		1007.1	74.8	71.3	69.4	24.6		83		1.3		0	1	1	2	2	3	12	2	7
	0300		1002.3	—	1008.7	77.4	72.7	70.3	22.7	—	79	—	1.8	—	3	2	2	3	4	2	10	0	4
	1200		1000.3		1006.7	85.7	72.7	65.2	21.5		52		1.7		0	0	0	0	13	9	8	0	0
Pasni	0000	28	1005.8		1006.8	73.5	69.6	67s0	22.9		82		1.7		1	0	0	0	1	4	12	8	4
	0300		1007.5	—1.2	1008.4	76.6	71.1	67.8	23.5	—0.2	75	—6	1.8	+0.4	1	0	1	1	0	2	11	10	4
	1200		1005.1		100o.0	86.5	75.1	69 4	24.6		58		1.9		0	0	0	2	9	13	6	0	0
KARACHI																							
Ormara	0000	15	~~1006.0~~ ~~0108.0~~		1006.5	75.2	71.4	69.2	24.6		83		2.5		0	1	0	0	0	2	13	0	14
	0300		1007.5	—	1008.0	79.8	74.2	71.3	26.4	+0.7	77	—7	2.4	+0.6	0	1	1	0	0	1	11	1	15
	1200		1004.9		1005.4	86 6	74.3	66.7	23.4		56		1.7		0	0	0	1	4	5	20	0	0
Lasbela (*R*)	0000	292																					
	0300																						
	1200																						
Karachi (Manora)	0000	13	100~~6~~.4		1006 9	76.4	71.8	69.~	24.5		79	—	2.7		0	0	0	0	0	5	17	2	6
	0300		1007.8	—0.9	1008.3	77.5	72.6	70.1	25.1	—0.9	78	—5	2.7	+0.6	0	0	1	0	0	5	20	4	0
	1200		1005.5		1006.0	86.0	80.5	78.0	33.1		77		2.3		0	0	0	0	0	10	20	0	0
Karachi (Manripur)	0000	52	1004.8		1006.6	75.1	71.9	70.0	25.3		85		1.6		0	0	0	0	0	4	13	4	9
	0300		1006.2	—	1008.0	77.2	73.3	71.2	27.2	—	82	—	2.6	—	2	1	0	0	0	4	14	4	5
	1200		1004.0		1005.7	85.4	75.7	70.4	25.9		63		1.9		0	0	0	0	0	20	9	1	0
Karachi (City)	0300	20	1007.0	—	1007.7	79.2	73.9	71.0	26.2	—	77	—	4.0	—	x	x	x	x	x	x	x	x	x
	1200		1005.0		1005.7	84.5	74.9	69.6	25.2		64		1.6		x	x	x	x	x	x	x	x	x
Karachi (Airport)	0000	73	1004.1		100b.7	74.4	71.9	70.4	25.6	—	88		1.3		1	0	0	0	1	4	11	1	12
	0300		1005.9	—	1008.5	78.2	73.7	71.2	26.4	—	80	—	2.2	—	1	0	0	0	0	3	17	1	8
	1200		1003.4		1005.9	87.1	75.6	69.0	25.0		58	—	1.6		0	0	0	0	1	19	8	2	0
Gadap	0300		x	—	x	77.2	70.8	66.6	22.8	—	70	—	3.0	—	0	1	0	0	0	10	11	0	8
	1200		x		x	89.8	71.1	58.9	17.5		38		1.5		0	0	0	0	0	18	12	0	0
HYDERABAD																							
Dadu	0000	131																					
	0300																						
	1200																						

(*R*) — Data not received.

(x) — Data not available.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF APRIL, 1962.

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 geopotential of 850/700 mbs. pressure level in Gpm.	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
	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas								8		
HYDERABAD																							
Mithi	0000	96	1003.2		100a.6	74.7	72.0	70.1	25.6		87		0.0		0	0	0	0	0	3	0	0	27
	0300		1005.0	—	1008.2	79.2	73.8	70.6	26.0	—	77	—	0.0	—	0	0	0	0	0	11	0	0	19
	1200		1000.3		1003.4	102.0	77.3	63.1	20.8		30		0.0		0	1	0	0	1	12	1	6	9
Nagarparker	0000	178	1000.2		1006.2	78.8	69.1	62.3	19.9		59		0.0		0	0	0	0	0	18	1	3	8
	0300		1001.8	—	1007.9	81.1	70.1	63.1	20.2	—	57	—	0.3	—	0	0	0	1	2	9	4	3	11
	1200		997.4		1003.3	99.9	71.5	50.9	13.4		21		0.5		1	0	0	0	0	16	2	3	9
Umerkot	0000	55	1003.5		1005.4	71.0	68.5	65.6	22.7		84		3.0		0	0	0	0	13	17	0	0	2
	0300		1005.3	—	1007.2	78.2	72.0	68 4	24.0	—	73	—	2.7		0	0	0	0	10	16	2	0	2
	1200		1001.7		1003.5	101.9	74.2	56.9	16.3		23		2.5		0	0	0	0	4	15	8	2	1
Chhor	0000	19	1005.1		1005.8	70.3	66.3	63.3	20.2		80		0.9		0	0	0	0	4	11	0	0	15
	0300		1007.0	—	1007.7	77.0	70.4	65.9	22.4	—	71	—	1.3		0	0	0	0	3	18	2	0	7
	1200		1003.1		1003.7	100.5	70.9	48.7	12.4		19		1.1		0	0	0	0	0	22	6	0	2
Byderabad	0000	98	1002.3		1005.7	73.8	63.9	56.3	15.9		56		1.5		0	0	0	0	4	17	0	0	9
	0300		1004.1	+1.1	1007.5	78.4	65.9	56.3	16.1	−1.4	49	−3	1.4	+0.2	1	0	0	0	3	18	0	0	8
	1200		1000.7		1004.0	98.5	69.4	41.9	11.4		22		1.9		1	1	0	1	7	16	1	0	3
Badin	0000	31	1005.4		1006.5	72.8	64.3	57.8	16.8		60		*		0	0	0	0	7	23	0	0	0
	0300		1007.0	−0.8	1008.1	76.4	67.3	61.4	18.4	−3.9	60	−6	*		0	0	0	0	1	24	0	0	5
	1200		1003.8		1005.1	99.2	72.1	52.7	14.3		24		*		0	0	0	0	8	22	0	0	0
KHAIRPUR																							
Padidan	0000	153	999.3		1004.7	72.0	62.4	54.9	15.4		55		1.2		0	1	0	5	5	0	0	0	19
	0300		1001.4	—	100-.7	77.0	65.3	56.7	16.5	—	61	—	1.8	—	1	0	3	12	4	2	1	4	3
	1200		998.1		1003.3	101.4	67.9	37.4	8.2		13		1.8		3	3	0	6	11	7	0	0	0
Nawabshah	0000	124	1001.4		1005.8	71.2	63.3	57.5	16.3		63		0.8		1	0	4	7	8	8	1	0	4
	0300		1003.6	—	1007.9	77.5	66.9	59.8	17.8	—	55	—	1.4		1	3	2	8	6	2	1	2	5
	1200		1000.1		1004.3	101.9	70.4	46.6	11.1		16		2.0		1	1	3	6	7	4	5	3	0
Sukkur	0300	221	9991.	−1.5	1006.7	78.6	65.3	55.4	15.3	0.0	46	−5	1.9	+0.6	2	2	0	7	9	6	1	2	1
	1200		995.7		1003.2	99.9	70.9	50.6	12.7		20		2.5		4	1	1	2	4	7	2	6	3
Kashmore	0000	225	996.1		1005.0	77.3	65.4	58.6	17.5		52		0.0		0	4	0	0	0	0	2	0	24
	0300		998.3	—	1006.9	80.4	67.9	58.9	17.6	—	48		0.0	—	0	5	0	0	0	0	3	0	22
	1200		995.7		1003.2	98.9	77.4	66.1	22.3		35		0.3		0	7	0	0	1	0	4	0	18
Jacobabad	0000	183	998.3		1004.7	77.0	64.6	55.8	15.5		48		1.3		2	0	12	5	2	2	1	4	2
	0300		1000.6	−0.6	1006.8	80.5	67.5	58.5	17.1	−0.4	48	+2	2.2	+1.0	5	2	8	7	1	0	0	3	4
	1200		996.9		1002.9	100.6	75.9	61.1	19.3		29		2.1		2	2	2	1	13	2	4	1	3
JUNAGAGH																							
Veraval	0300	26	1009.2	—	1010.2	78.2	72.7	69.8	2.50	—	76	—	1.4	—	5	1	0	1	1	1	2	10	6
	(g)		(d)		(d)																		
	1200		1006.8		1007.8	82.3	77.3	75.2	29.7		79		0.7		0	0	0	0	2	3	12	7	0
ARABIA																							
Muscat																							

(S) — Observations suspended

(g) — Data for 24 days.

(d) — Data for 27 days.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF APRIL, 1962.

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 geopotential of 850/700 mbs pressure level in Gpm	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 Obervations 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									9	
HILL STATIONS																							
KASHMIR																							
Srinagar (x)	0000																						
	0300																						
	1200																						
Gulmarg (x)	0300																						
	1200																						
Gurez (x)	0300	—																					
	1200																						
Sonamarg (x)	0300	—																					
	1200																						
Dras (x)	0300	—																					
	1200																						
Kargil (x)	0300	—																					
	1200																						
Leh (x)	0000	—																					
	0300																						
	1200																						
Skardu	0000	7250	777.1		1464.3	46.7	40.0	31.5	6.0		57		5.7		0	1	0	0	3	3	11	0	12
	0300		778.2	—	1470.2	51.4	42.2	30.7	6.0	—1.1	47	—1	5.8	+1.5	0	1	0	1	0	3	6	0	19
	1200		775.2		1425.0	59.3	43.7	21.5	4.1		25		5.7		0	1	3	0	9	2	10	0	5
Misgar	0000	10190	*		*	35.2	3.13	25.6	4.6		68		4.6		1	2	8	1	0	1	3	3	11
	0300		699.7	—	3101.3	40.8	34.4	25.9	4.8	—	56	—	4.5	—	0	3	6	4	0	0	6	0	11
	1200		698.3		3083 0	43.7	37.9	21.7	4.1		34		5?2		1	2	12	11	0	2	1	1	0
Aliabad (x)	0300	—																					
	1200																						
Gilgit P.B.O.	0000	4789	853.3		1491.2	52.7	47.9	42.7	9.5		69		6.0		1	0	4	0	1	1	5	1	17
	0300		854.4	—	1502.5	58.6	61.0	43.5	9.7	—	59	—	6.0	—	1	3	0	1	0	1	7	0	16
	1200		850.5		1465.0	68.9	53.2	35.2	7.5		32		6.6		0	0	2	5	3	3	11	1	5
RAWALPINDI																							
Murree	0000	7113	783.2		1480.9	52.0	45.1	38.0	7.8		59		4.9		0	9	3	11	0	0	1	6	0
	0300		784.1	0.0	1485.9	55.6	45.6	34.7	6.8	—0.3	46	—3	5.2	+2.1	2	7	6	6	0	0	2	1	6
	1200		783.5		1473.5	60.8	49.6	39.2	8.1		46		5.7		0	5	4	4	1	0	6	5	5

(x) — Data not available.

* — Data rejected.

TABLE II.—ABSTRACT OF OBSERVATIONS REORDED AT FIXED HOURS DURING TE ONTH OF APRIL, 1962.

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 geopotential of 850/700 mbs. pressure level in Cpm.	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							10			
PESHAWAR																							
Drosh	0000	4806	853.6		1509.1	52.2	47.5	42.8	9.3		70		5.1		0	2	1	4	0	0	0	0	23
	0300		854.8	—0.1	1510.8	54.3	49.1	44.1	9.7	+0.9	69	+10	5.4	+2.3	0	2	1	1	0	1	0	0	25
	1200		852.0		1484.2	65.8	53.7	42.5	9.2		43		6.3		0	5	1	0	0	9	0	0	15
Cherat	0000	4272	*		*	*	*	—	—		—		*		0	13	5	1	1	0	0	10	0
	0300		*	—	*	6.05	*	—	—	—	—	—	*	—	0	12	4	1	1	0	0	12	0
	1200		*		*	68.7	*	—	—		—		*		0	18	5	0	0	0	0	6	0
Kakul	0000	4214	869.7		1474.6	56.7	50.8	45.1	10.3		65		4.2		13	3	2	3	1	1	0	7	0
	0300		870.8	—	1486.9	60.5	53.6	47.6	11.3	—	63	—	5.1	—	10	3	0	0	2	1	5	9	0
	1200		869.4		1477.4	70.8	57.9	47.6	11.6		43		5.3		7	2	0	1	2	7	1	10	0
Balakot	0000	3220	x		x	59.2	55.0	51.2	13.0		76		3.5		2	7	0	1	1	0	0	10	9
	0300		x	—	x	59.3	54.9	51.1	12.9	—	74	—	3.9	—	2	4	0	1	1	1	2	5	14
	1200		x		x	73.0	*	—	—		—		5.2		3	0	1	0	1	3	0	2	20
Landikotal	0000	3503	891.2		1461.9	55.2	52.2	49.6	12.1		81		4.1		0	0	0	0	0	3	0	0	27
	0300		892.3	—	1477.1	61.3	55.2	50.6	12.4	—	67	—	4.6	—	0	0	0	0	0	6	0	0	24
	1200		890.5		1469.6	72.0	58.5	47.6	11.3		42		4.6		0	3	0	5	0	11	0	0	11
Parachinar	0000	5673	*		*	*	*	—	—		—		5.5		0	0	0	0	0	*	0	0	30
	0300		*	—	*	53.2	*	—	—	—	—	—	4.3	+1.4	0	0	0	0	0	0	0	2	28
	1200		*		*	64.5	*	—	—		—		4.9		0	1	8	9	1	0	0	0	11
D. I. KHAN																							
Miranshah	0000	3026	*		*	*	*	—	—		—		0.9		0	0	0	0	0	0	0	0	30
	0300		*	—	*	65.4	57.4	50.2	12.9	+3.2	60	+9	1.6	—0.5	0	3	0	0	0	1	0	2	24
	1200		*		*	79.2	65.4	54.7	15.7		45		2.1		0	17	2	1	0	0	0	0	10
Wana	0300	4503	*	—	*	61.4	52.8	44.6	10.2	+1.6	55	—4	2.5	+0.3	0	1	0	0	0	0	1	0	28
	1300		*		*	74.7	58.4	43.3	10.0		33		4.2		0	5	1	7	2	0	0	1	14
QUETTA																							
Fortsandeman (P.T.)	0300	4614	859.6	+0.8	1501.0	64.0	56.1	50.5	11.6	+3.6	63	0	1.6	—0.4	0	2	2	1	0	5	4	1	15
	1200		856.5		1470.9	78.3	60.7	46.6	10.7		36		4.0		2	3	3	2	2	6	9	3	0
Fortsandeman (P.B.O.)	0000	4615	858.0		1483.9	58.5	52.8	47.7	11.3		68		2.0		0	0	0	0	0	1	1	0	28
	0300		859.5	—	1499.9	63.9	55.2	47.5	11.1	—	57	—	2.4	—	1	2	1	1	0	7	2	0	16
	1200		856.0		1468.4	78.2	63.4	53.2	13.9		43		4.8		2	3	0	3	2	7	4	3	6
Hindubagh	0000	5909	*		*	52.1	45.6	39.1	8.1		62		0.5		0	0	;	0	0	3	15	0	12
	0300		818.9	—	1483.0	58.5	49.4	41.3	8.9	—	54	—	1.8	—	0	0	0	1	1	2	13	0	13
	1200		816.5		1448.5	73.6	57.2	43.6	10.3		38		3.7		0	0	1	2	9	8	18	0	0
Loralai	0000	4699	853.8		1468.5	55.8	51.3	47.2	11.1		74		2.7		4	5	3	1	0	2	1	0	16
	0300		855.3	—	1483.1	61.8	56.2	5.15	13.2	—	70	—	3.3	—	1	2	0	0	0	3	11	12	1
	1200		852.2		1453.3	77.5	64.6	55.9	15.6		50		4.8		0	0	1	7	8	6	2	5	1
Harnai	0300		*				*				*				*					*			*
	1200		*				*				*				*					*			*

(x) — Data not available.

(*) — Data rejected.

DIVISION AND STATION	Hours of observation.	Height of barometer 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 geopotential of 850/700 mbs pressure level in Gpm.	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									11	
Quetta (Samungali)	0000	5213	839.4		1482.1	51.9	46.2	40.5	8.6		68		2.1		0	1	6	6	0	1	0	0	16
	0300		840.6	—	1494.2	56.7	49.4	42.9	9.4	—	62	—	2.7	—	0	1	5	5	3	2	0	0	14
	1200		838.3		1466.1	74.4	54.5	36.0	7.4		27		3.8		0	0	1	4	1	5	9	7	3
Quetta (P.T.)	0300	5490	832.2	—0.6	1490.6	59.0	50.3	42.2	9.3	+0.2	55	—8	1.9	—0.2	1	2	0	2	1	1	0	3	15
	1200		830.4		1467.4	74.2	57.3	42.0	10.3		35		3.4		1	0	2	2	4	5	2	8	6
Quetta (P.B.O.)	0000	5560	829.8		1528.5	52.4	45.0	37.0	7.5		58		0.7		0	0	0	0	0	1	0	1	28
	0300		830.3	—	1528.9	60.4	49.1	38.0	7.9	—	44	—	2.4	—	0	3	4	3	5	2	1	0	2
	1200		828.7		1508.2	74.0	53.7	33.7	6.9		25		4.6		0	0	0	1	3	5	8	4	9
Chaman	0000	4311	866.2		1473.6	62.4	49.5	34.3	6.9		35		2.5		0	0	25	4	1	0	0	0	0
	0300		867.0	—0.1	1482.4	68.8	52.8	37.5	7.2	—1.5	32	—13	2.1	—0.3	0	0	15	9	3	2	1	0	0
	1200		864.3		1459.6	80.6	60.2	41.4	9.6		26		2.4		0	0	1	0	1	14	13	01	0
Nushki	0000	3416	*		*	66.1	51.4	33.6	7.1		34		0.9		0	0	21	1	0	0	0	1	7
	0300		899.1	—	1524.2	72.8	56.9	40.8	9.4	—	34	—	1.4	—	1	1	15	0	1	0	0	0	12
	1200		896.4		1509.4	85.6	60.0	37.1	7.4		21		2.4		0	0	3	0	2	3	16	1	5
Dalbandin	0000	2788	914.1		1465.8	65.6	52.9	40.2	8.6		41		2.2		2	11	3	2	2	2	1	1	9
	0300		915.5	—0.3	1481.9	68.3	54.9	42.4	9.3	+0.1	41	—4	1.8	—0.1	2	14	1	0	1	5	2	0	5
	1200		912.4		1477.0	89.2	64.0	44.0	10.1		22		3.1		0	6	0	5	0	14	2	2	1
KALAT																							
Kalat	0000	6616	796.8		1476.7	48.7	42.7	36.5	7.2		62		0.5		1	1	0	1	18	3	2	3	1
	0300		798.2	—1.4	1482.8	57.6	49.1	41.4	8.8	—0.2	56	0	0.5	—1.3	1	0	2	1	21	2	1	2	0
	1200		795.3		1438.8	68.9	53.9	39.7	8.9		38		1.5		3	2	0	2	7	8	3	4	1
Panjgur P.B.O.	0000	3180	901.5		1466.7	65.0	56.2	48.9	12.0		57		1.0		2	4	0	0	0	3	0	1	20
	0300		903.1	—	1484.8	68.0	57.7	49.2	12.1	—	52	—	1.2	—	1	10	0	1	0	2	0	0	16
	1200		899.9		1473.6	88.9	66.6	50.8	13.2		31		2.2		4	1	0	0	0	18	1	3	3

(*— Data rejected.

TABLE III.—SUMMARY OF TEMPERATURE PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF APRIL, 1962.

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.	Velocity Code Figure 93 or less: Fog.	Velocity Code Figure 93 or less: Haze (dust).	Velocity Code Figure 93 or less: Dust Storm.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
CHITTAGONG																					
Rangamati	95.6		101	15	76.2		71	30	3.59		1.14	29	4		x		8	0	0	0	0
Cox's Bazar P.T.	89.5	+0.8	91	8 days	75.0	+1.6	71	23	0.75	—3.45	0.34	27	3	—1.2	x		6	0	0	0	0
Chittagong P.B.O.	89.3		93	20,26	75.5		69	8	2.20		1.10	30	4		x		10	0	0	0	0
Chittagong P.T.	89.3	+0.5	92	18,20,22	75.2	+2.0	70	30	~~19.3~~ 1.93	—4.00	0.88	8	5	—0.8	x		6	0	0	0	0
Matdi Court (R)																					
Comilla (R)																					
Brahmanbaria	93.1	0.0	101	1	73.4	+3.2	65	3	4.70	—1.77	1.45	3	8	+1.1	4.5		10	0	0	0	0
Sylhet P.B.O	90.1		98	1,2	70.5		64	11,20	8.56		2.07	11	11		x		8	0	0	0	0
Sreemongal (R)																					
DACCA																					
Mymensingh	94.6	+3.5	103	1	72.2	+0.5	66	20	4.33	—1.18	2.67	27	6	—1.1	x		7	3	0	0	0
Jamalpur	97.1		105	16	72.1		67	20	1.47		1.24	27	2		x		4	0	0	0	1
Narayangonj	94.9	+2.5	104	15	75.2	+1.2	69	30	6.48	+1.08	1.86	30	5	—1.7	4.0	—0.1	10	1	0	0	0
Dacca (Tejgaon)	96.6		105	1	74.6 (b)		69	20,21,28	6.53		2.13	30	5		x		12	0	0	4	0
Faridpur (R)																					
KHULNA																					
Barisal (R)																					
Khulna	94.7	+0.5	102	1	76.1	+0.8	70	21	2.34	—0.57	1.30	28	5	+0.8	3.5	—0.4	0	0	0	0	1
Satkhira	96.4	—0.6	104	16	75.3	—0.3	69	19	2.69	—0.24	0.95	23	5	+1.0	2.2	—0.9	5	0	0	0	0
Jessore P.T. (R)																					
RAJSHAHI																					
Pabna (R)																					
Ishurdi	96.6		104	18	72.5		65	21	2.35		1.51	27	3		x		3	0	0	0	3
Sirajgonj	97.3		104	1,16	71.8		67	1	0.77	—2.50	0.40	27	3	—1.8	2.9		0	0	1	0	1
Rajshahi (R)																					
Bogra (P.B.O.	98.1 (b)	+2.5	102	2	72.4	+0.9	64	21	0.28	—1.96	0.11	19	1	—2.5	2.9	+0.5	6	0	0	0	0
Dinajpur	99.3	+5.0	106	17	71.4	+1.4	63	5	1.12	—1.02	1.04	26	1	—2.0	x		2	0	0	0	1
Rangpur	98.0		104	15,16	71.0		63	5	0.17	—2.91	0.16	16	1	—3.4	3.7		1	0	0	0	0
KASHMIR																					
Jammu (x)																					
LAHORE																					
Lahore P.B.O.	94.9 (b)	+0.4	106	24,25,26	67.8	+4.6	59	1,2	0.00	—0.57	0.00	—	0	—1.6	2.8	+0.8	6	0	0	0	5
Lahore Cantt.	94.7	—	107	25	68.2	—	59	1	0.09	—	0.09	9	0	—	3.5	—	8	1	0	0	1
Sialkot	94.7	+2.3	106	24	66.5	+1.8	53	2	0.12	—0.88	0.12	10	1	—1.1	(x)	—	0	0	0	0	2
RAWALPINDI																					
Jhelum	93.4	—	106	30	65.2	—	55	1,3	1.21	—	0.94	9	2	—	3.3	—	7	0	0	0	3
Chaklala	86.7	—	100	24,25	59.7	—	50	2	1.02	—	0.36	1	5	—	5.8	—	13	0	0	0	3
Rawalpindi	87.4	+1.2	102	23	61.8	+2.5	50	2	~~00.8~~ 0.98	—0.94	0.40	1	3	—1.1	3.3	+0.9	7	0	0	0	1
Campbellpur (R)																					

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

(b) — Mean for 29 days.
(R) — Data not received.
(e) — Data for 26 days.

(x) — Data not available

TABLE III.—SUMMARY OF TEMPERATURE PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF APRIL, 1962. 13

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.	Velocity 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
SARGODHA																					
Khushab	93.2	+0.3	106	25,30	67.7	+1.0	56	2	0.11	—0.80	0.11	1	1	—1.1	4.0	—0.6	4	0	0	0	3
Sargodha	92.6	—	105	24,25	65.4	—	56	2	0.01	—	0.01	6	0	—	4.8	—	7	0	0	0	3
Mianwali	90.7	—	105	24	*	—	—	—	0.00	—	0.00	—	0	—	(x)	—	0	0	0	0	0
Lyallpur	*	—	—	—	65.9	+2.0	56	1	0.00	—0.47	0.00	6days	0	—1.3	2.0	—0.2	4	1	0	1	
MULTAN																					
Montgomry	95.3	—0.4	108	24	68.5	+1.9	57	2	0.09	—0.25	0.08	9	0	—0.9	(x)	—	2	1	0	0	1
Multan P.B.O.	97.5	—	111	24	68.5	—	56	2	0.04	—	0.04	24	0	—	3.2	—	4	0	0	2	3
Multan Surf.	97.3	+2.0	110	24	71.4	+3.9	60	1	0.00	—0.27	0.00	—	0	—0.8	1.6	—0.1	1	0	0	2	2
Leiah (R)																					
BAHAWALPUR																					
Khanpur PB.O.	99.8	—	110	24	68.6	—	55	2	0.00	—	0.00	—	0	—	3.5	—	0	0	0	2	3
Bahawalpur	97.1	+0.7	110	25,30	68.8	+3.4	59	3	0.00	—0.18	0.00	—	0	—0.5	2.8	+0.2	1	0	0	0	1
Fort Abbas	99.0	—	113	25	6.81	—	56	1	0.00	—	0.00	—	0	—	1.7	—	0	0	0	0	0
PESHAWAR																					
Chakdara	79.8	—	96	24	56.3	—	48	2	3.92	—	1.08	17	8	—	(x)	—	4	0	0	0	0
Peshawar	84.1	—1.1	99	23	62.0	+1.5	52	2	0.48	—1.28	0.20	1	2	—1.8	2.5	+0.6	11	0	0	0	1
Risalpur	84.9	—	102	24	60.0	—	52	2,3	0.60	—	0.37	1	2	—	2.9	—	5	0	0	0	
Haripur	84.2	—	98	29,30	56.9	—	48	2,26	0.80	—	0.42	1	3	—	5.6	—	0	0	0	0	1
Kohat PAF	84.7	—	99	24,29	64.3	—	54	1	1.45	—	0.75	2.0	4	—	6.5	—	14	1	0	0	0
D. I. KHAN																					
Bannu	87.9	—0.5	101	24	64.9	+2.8	56	2	0.40	—0.58	0.13	4	2	—0.5	3.1	—	0	0	0	0	0
D. I. Khan	93.0	+0.4	107	24	68.0	+2.8	58	1 2	0.00	—0.69	0.00	—	0	—1.7	1.2	—0.5	0	1	0	0	0
QUETTA																					
Sibi	101.6	+3.9	113	22	74.3	+4.2	67	2	0.18	+0.07	0.18	14	1	+0.6	2.1	—1.2	0	0	0	0	0
KALAT																					
Nokkundi	94.1	+3.9	103	30	68.1	+5.0	55	10	0.00	—0.35	0.00	—	0	—0.4	x	—	0	0	0	0	0
Turbat	103.3	—	114	30	X	—	—	—	0.00	—	0.00	—	0	—	x	—	0	0	0	0	1
Jiwani	89.5	—	103	30	72.9	—	67	9	0.00	—	0.00	—	0	—	8.4	—	0	0	0	0	0
Pasni	92.2	+1.5	104	25	71.8	+4.0	68	1.3	0.00	—0.40	0.00	—	0	—0.5	9.1	+2.5	0	0	0	1	0
KARACHI																					
Ormara	90.9	+1.3	101	29,30	74.2	+1.1	66	2	0.00	—0.60	0.00	—	0	—0.8	9.8	+2.0	0	0	0	0	0
Lasbela (R)																					
Karachi(Manora)	88.5	+3.1	96	2	75.4	+1.2	72	1	0.00	—0.15	0.00	—	0	—0.2	x	x	0	0	0	0	0
Karachi (Mauripur)	89.4	—	99	2,28,30	73.9	—	67	2	0.00	—	0.00	—	0	—	x	x	0	0	0	0	0
Karachi (City)	89.1	—	100	2	74.3	—	68	3	0.00	—	0.00	—	0	—	x	x	0	0	0	0	0
Karachi (Airport)	92.0	—	100	30	71.8	—	63	2	0.00	—	0.00	—	0	—	7.6	—	0	0	0	0	0
Gadap	94.2	—	104	30	68.6	—	63	2,12	0.00	—	0.00	—	0	—	5.8	—	0	0	0	0	0

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF APRIL, 1962.

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.	Velocity 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
HYDERABAD																					
Dadu(x)																					
Mithi	104.9	—	113	30	71.0	—	59	2,3	0.00	—	0.00	—	0	—	3.1	—	0	0	0	0	0
Nagarparker	101.5	—	107	24,30	76.5	—	73	2,14	0.00	—	0.00	—	0	—	x	x	0	0	0	0	0
Umerkot	103.7	—	111	30	70.1	—	54	2	0.00	—	0.00	—	0	—	x	x	0	0	0	0	0
Chhor	101.9	—	109	30	69.0	—	55	2	0.00	—	0.00	—	0	—	3.9	—	1	0	0	0	0
Hyderabad	102.9	+1.1	111	27,28,30	73.1	+1.2	65	1,2	0.00	—0.07	0.00	—	0	—0.2	5.3	—0.3	1	0	0	0	0
Badin	104.0	+3.6	112	30	71.0	+0.9	63	1,2	0.00	0.00	0.00	—	0	0	x	—	0	0	0	0	0
KHAIRPUR																					
Padidan	102.6	—	111	24	69.2	—	55	2	0.00	—	0.00	—	0	0	—	—	0	0	0	0	0
Nawabshah	103.2	—	111	30	69.5	—	59	1,2	0.00	—	0.00	—	0	0	—	—	1	0	0	0	0
Sukkur	101.4	+3.2	111	24	73.7	+5.3	64	10,11	0.00	—0.10	0.00	—	0	—0.4	—	—	0	0	0	0	0
Kashmore	*	—	*	—	*	—	*	—	0.00	—	0.00	—	0	0	—	—	1	0	0	0	0
Jacobabad	101.1	+1.5	111	24,25	74.4	+3.7	64	2	0.01	—0.16	0.01	2.8	0	—0.5	—	—	1	0	0	0	0
JUNAGURH																					
Veraval																					
ARABIA																					
Muscat (s)																					
HILL STATION																					
KASHMIR																					
Srinagar (X)																					
Gulmarg X																					
Gurez(X)																					
Sonamarg (X)																					
Dras (X)																					
Kargil (X)																					
Leh (X)																					
Skardu	63.3	+0.5	77	24	45.0	+2.6	32	9	2.53	+1.56	1.83	9	3	+0.5	5.0	+0.8	0	0	0	0	0
Misgar	54.7	—	69	24	34.5	—	24	3	0.41	—	0.15	9	2	—	4.4	—	0	0	0	0	0
Aliabad (X)																					
Gilgit P.B.O.	72.8	—	88	23	50.3	—	42	3	1.42	—	0.26	8,9	7	—	3.9	—	0	0	0	0	0
RAWALPINDI																					
Murree	64.2	—1.1	78	25	47.4	+0.5	37	1	4.72	+0.59	1.11	1	9	+1.9	7.3	+2.1	11	6	0	0	0
PESHAWAR																					
Drosh	69.5	+0.6	91	23	50.5	+2.1	39	1	42.9	+0.21	0.54	14	14	+5.9	2.7	+0.1	7	0	0	0	0
Cherat	73.1	+1.0	90	24	*	—	—	—	xxx	—	xxx	—	0	—	*	—	3	1	0	0	0
Kakul	74.9	—	88	24,30	54.8	—	46	1,2	31.9	—	0.81	1	9	—	(x)	—	13	0	0	0	0
Balakot	75.9	—	91	24,25	55.5	—	43	2,3	5.59	—	1.57	9	10	—	4.0	—	1	1	0	0	0
Landikotal	73.8	—	89	23,24	52.8	—	43	2	1.18	—	0.44	1	3	—	x	—	7	1	0	0	0
Parachinar	69.1	+0.4	82	23	49.8	+2.9	39	2	5.97	+1.97	1.00	30	19	+10.3	2.3	—0.1	0	0	0	0	0

(R) — Data not received. (s) — Observations suspended (x) — Data not available. (*) — Data rejected.

TABLE III.—SUMMARY OF TEMPERATURE RPRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF APRIL, 1962.

DIVISION AND STATION	Maximum Temperature of the Air °F				Min mum 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.	Velocity 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
D. I. KHAN																					
Miranshah	81.0	+2.7	95	23,24	59.3	+2.1	48	2	0.18	—1.45	0.13	13	1	—2.9	5.4	+0.9	0	0	0	0	0
Wana	78.2	+1.5	92	24	51.4	+1.8	44	1,2	0.90	—0.47	0.45	14	3	—0.8	20	—	0	0	0	0	3
QUETTA																					
Fortsandeman P.T.	81.2	+0.9	92	24	54.2	—0.3	48	1,11	0.63	—0.31	0.50	14	2	—1.1	—	—	5	0	0	0	0
Fortsandeman (P.B.O.)	80.5	—	93	23	52.8	—	45	11	0,70	—	0.54	14	2	—	3.3	—	5	0	0	0	0
Hindubagh	74.4	—	90	29	50.2	—	38	13	0.82	—	0.27	14	4	—	—	—	0	0	0	0	0
Loralai	80.8	—	89	24,30	52.6	—	43	11	0.24	—0.71	0.24	16	1	—1.4	3.7	—	0	0	0	0	0
Harnai	*	—	*	—	—	—	*	—	0.00	—0.75	0.00	—	0	—1.9	*	—	—	—	*	—	—
Quetta (Samungli)	75.7	—	87	29	48.2	—	35	2	2.35	—	1.18	13	4	—	6.3	—	4	0	0	0	0
Quetta (P.T.)	76.0	—	88	25	49.5	—	39	2	1.32	—	0.91	13	3	—	2.9	+0.1	4	0	0	0	0
Quetta (P.B.O.)	76.3	—	87	29	50.6	—	39	1	1.48	—	0.17	17	4	—	2.9	—	4	0	0	0	0
Chaman	81.2	+2.6	90	24,29	59.0	+3.0	45	1	0.50	—0.27	0.20	13	3	+1.0	*	—	3	0	0	0	0
Nushki	87.2	—	97	29	65.0	—	50	14	0.82	—	0.70	14	2	—	*	—	1	0	0	0	0
Dalbandin	91.1	+1.9	99	23,29	61.3	+3.4	47	1	0.07	—0.23	0.07	14	0	—0.7	5.9	+1.6	2	0	0	1	0
KALAT																					
Kalat	75.2	+4.2	85	30	44.5	+1.0	34	2	0.82	+0.26	0.69	15	2	+0.2	x	—	0	0	0	0	0
Panjgur	90.3	—	99	30	52.3	—	50	10	0.00	—	0.00	—	0	—	5.3	—	0	0	0	0	0

(X) — Data not available.

(*) — Data rejected.

REGD. No. S-1452

PAKISTAN WEATHER REVIEW, 1962

MONTHLY WEATHER REPORT

MAY

(PUBLISHED BY THE AUTHORITY OF THE GOVERNMENT OF PAKISTAN)

Chief features:

1. Fairly widespread thundershowers in East Pakistan between the 3rd and the 12th and again between the 16th and the 18th in association with the passage of a series of western disturbances.

2. Formation of a depression in East Central Bay of Bengal on the 24th and advance of monsoon into East Pakistan in its wake on the 27th after the depression had crossed in-land on the 25th evening.

3. Fairly widespread thunderstorms or showers in some of the northern divisions of West Pakistan towards the middle of the first and the second weeks.

East Pakistan:

Four westerly low pressure waves moved across the province during the first fortnight. The first one caused mainly scattered thunderstorms or showers over there on the 2nd, only in Chittagong and Rajshahi divisions on the 1st and widespread in the province on the 3rd with a few heavy falls in Chittagong, Dacca and Rajshahi divisions on the second days. Rangpur and Mymensingh recorded 3″ each of rain on 2nd. The remaining three were active and caused local to fairly widespread rainfall over most of the province between the 4th and the 12th. A few moderate to heavy falls were also experienced in the province on the 3rd, 9th and 12th.

An active westerly low pressure wave which influenced the weather over the province at the beginning of the second fortnight caused fairly widespread rain or thundershowers over there between the 17th and the 18th and scattered to local on the preceding day. A voilent norwester hit Pabna district on the 17th evening. Rangpur recorded 3″ on 16th, Pabna 3″ on 17th and Bogra 4″ and Sirimangli 3″ on the 18th. Thereafter two westerly low pressure waves moving across the northern parts of the region towards the middle of the second fortnight caused mainly scattered to local thunder-rain in most of the province outside Khulna division between the 19th and the 23rd and only in Chittagong division on the 24th.

Towards the later part of the second fortnight a depression formed in East Central and adjoining Southeast Bay of Bengal and was centred at 24,0300 hours GMT within one degree of latitude 16°N and longitude 91°E. It intensified into a deep depression on the same evening and moving northnortheastwards crossed coast near Akyab by the following evening. Mansoon advanced into the province in its wake on the 27th and simultaneously two westerly low pressure waves moved across the northern parts. Under their combined influence generally fairly widespread rain or thundershowers with locally moderate to heavy falls occurred over the province between the 27th and the 31st and mainly scattered to local between the 24th and the 26th. Voilent Norwesters lashed over Bogra and Rajshahi districts on the night between 27th and 28th and over Saidpur the next night damaging Kutcha houses and other property and killing persons as reported by newspapers. Noteworthy amounts of rainfall recorded were Cox's Bazar 5″, Maijdee Court 4″ and Chittagong 3″ on the 27th and Barisal 3″ on the 29th.

The total rainfall during the month was in moderate defect in Khulna division, slight defect in Chittagong division and slight excess over rest of the region. Averaged over the region as a whole it was normal.

Both the mean maximum and minimum temperatures and the relative humidity were normal over the region.

The skies were normally clouded except in Dacca division where they were more clouded than usual.

West Pakistan:

Four western disturbances, one of which influenced the weather over the province during the first fortnight and caused fairly widespread thunderstorms or showers in Sargodha, Rawalpindi, Peshawar, Lahore and Bahawalpur divisions on the 3rd and 4th with Parachinar and Khanpur recording the heaviest rainfall of 1″ each on the 3rd; in the first two divisions on the 13th and 14th and generally scattered dust or thunderstorms mainly in the northern parts of the province during the rest of the fortnight. However, dust and thunderstorms extended to the southern parts on some of the days and were scattered in Kalat division on 1st and 2nd, in Khairpur and Quetta divisions on the next days, local in Khairpur division and scattered in Quetta division on the 5th scattered in the former on the 7th, in Quetta and Kalat divisions on the 8th and 9th, in Hyderabad, Khairpur and Quetta divisions on the 10th and 11th and in the last two divisions on the 13th. Chief amounts of rainfall recorded were Cherat 1¼″ and Murree, Haripur and Kakul 1″ each on the 10th; Cherat 1¼″ on the 13th and Kakul 1″ on the 14th.

Four western disturbances or westerly troughs moved across the province during the rest of the month. Under their influence scattered thunderstorms or showers occurred in Peshawar and Rawalpindi divisions between the 17th and 20th, local in Peshawar division and a few dust or thunderstorms in Sargodha and Rawalpindi divisions on the 24th, in Rawalpindi and Peshawar divisions on the 27th and local thunderstorms in Rawalpindi division and a few dust-storms in Bahawalpur, D. I. Khan and Quetta divisions on the 31st.

A moderate heat wave affected the southern half of the province between the 17th and the 23rd where Badin recorded the highest Maximum Temperature of 121° F on the 21st.

The total rainfall during the month was in large excess in Hyderabad and Peshawar divisions, slight excess in Khairpur division and normal in Rawalpindi division. It was in moderate defect in Sargodha and D.I. Khan divisions and large defect elsewhere. Averaged over the region as a whole it was normal.

The mean maximum temperature was below normal in Rawalpindi division, above normal in Karachi and Hyderabad divisions and normal elsewhere. The mean minimum temperature was above normal in Karachi division and normal elsewhere.

The mean relative humidity was normal over the region outside Multan division where it was in defect.

The skies were normally clouded in Bahawalpur and Quetta divisions, less clouded in Lahore, Sargodha, Peshawar, D.I. Khan and Kalat divisions and more elsewhere.

Table I contains the divisional means of rainfall, temperature relative humidity and the cloud amount for the 18 Chief political 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 MEANS FOR MAY, 1962.—*contd.*

Division	PRECIPITATION				DEPARTURE FROM NORMAL OF				
							0300 hrs. G. M. T.		
	Actual	Normal	Departure from normal	Percentage departure from normal	Maximum temperature	Minimum temperature	Vapoure pressure	Relative humidity	Cloud
1	2	3	4	5	6	7	8	9	10
EAST PAKISTAN	"	"	"		°	°	mb	%	
Chittagong	11.74	13.44	—1.70	—13	+0.2	+0.8	—0.8	—3	+0.1
Dacca	11.79	10.57	+1.22	+12	—0.3	—0.9	—0.6	+1	+1.1
Khulna	5.13	7.62	—2.49	—33	+0.1	0.0	+1.0	+2	+0.2
Rajshahi	10.62	8.66	+1.96	+23	—0.5	—0.5	—0.3	—2	+0.5
Mean	9.94	10.30	—0.36	—3	—0.1	—0.1	—0.2	—1	+0.4
WEST PAKISTAN									
Kashmir (x)									
Lahore	0.29	0.79	—0.50	—63	—0.3	+1.7	+0.5	+1	—0.3
Rawalpindi	2.04	1.93	+0.11	+6	—2.0	—0.7	—1.3	—1	+1.0
Sargodha	0.42	0.59	—0.17	—29	—0.9	—1.9	+0.6	+2	—0.7
Multan	0.03	0.35	—0.32	—91	—0.3	—1.1	—4.7	—10	+0.5
Bahawalpur	0.00	0.18	—0.18	—100	+0.8	—0.5	—2.9	—4	+0.2
Peshawar	2.85	1.66	+1.19	+72	—0.4	—0.1	+0.1	2	—0.5
D. I. Khan	0.55	0.74	—0.19	—26	—0.7	—1.1	—1.0	—5	—0.3
Quetta	0.12	0.39	—0.27	—69	+0.1	+1.2	+0.5	+2	+0.1
Kalat	0.00	0.08	—0.08	—100	—0.6	—1.0	—1.4	—4	—0.4
Karachi	0.00	0.16	—0.16	—100	+3.9	+2.4	—0.8	—3	+0.6
Hyderabad	0.36	0.20	+0.16	+80	+3.1	+0.1	+1.3	+2	+0.5
Khairpur	0.17	0.14	+0.03	+21	—0.6	+0.2	—1.3	—1	+0.6
Mean	0.46	0.46	+0.00	0	+0.2	—0.2	—0.8	—3	0.0
Junagadh (X)									

(X) Data not available.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF MAY, 1962

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 geopotential of 850/700 mbs. pressure level in Gpm.	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
	GMT.	Ft.	Mb.	Mb.	Mb.	oF	oF	oF	Mb.	Mb.	%	%	oktas										
CHITTAGONG																							
Rangamati	0000	208	999.8		1006.9	79.0	75.8	74.2	29.0		86		4.4		1	0	0	0	23	2	2	2	1
	0300		1001.4		1008.5	85.4	77.8	74.2	29.1		70		4.0		1	1	1	0	23	1	1	3	0
	1200		997.1		1004.1	87.7	77.5	72.6	27.6		62		3.5		1	0	0	1	14	9	4	1	1
Cox's Bazar (P. T)	0000	38																					
	0300		1006.0	+0.2	1007.2	85.9	78.5	74.8	30.0	—1.4	71	—7	4.2	—0.2	4	1	1	3	6	9	3	4	0
	1200		1002.4		1003.6	85.0	79.1	76.1	31.3		75		3.6		0	0	2	4	6	8	10	1	0
Chittagong (P.B.O)	0000	19																					
(R)	0300																						
	1200																						
Chittagong (P.T)	0000	46																					
	0300		1005.0	—0.6	1006.6	84.1	77.4	74.5	29.1	—1.3	74	—3	4.8	+0.4	4	0	2	9	7	3	0	0	6
	1200		1001.3		1002.9	84.8	78.1	75.4	29.8		73		3.5		2	0	0	2	5	13	9	0	0
Maijdi Court (R.)	0000	25																					
	0300																						
	1200																						
Comilla (R)	0000	29																					
	0300																						
	1200																						
Brahmanbaria	0000	32	1003.9		1005.0	76.5	74.3	72.5	28.0		90		3.9		1	2	2	14	3	0	1	0	8
	0300		1005.5		1006.6	82.5	77.1	74.8	29.2	+0.3	77	+2	4.8		0	2	1	11	14	1	1	0	1
	1200		1001.4		1002.5	85.2	78.2	75.2	29.8		73		4.2		0	1	0	4	10	4	2	0	10
Sylhet (P.B.O.)	0000	115	1001.4		1005.4	73.4	71.7	70.8	25.8		91		5.5		0	1	13	0	0	0	0	0	17
	0300		1002.8		1006.8	79.0	74.2	71.8	26.7		79		6.0		1	1	18	1	1	1	0	0	8
	1200		998.6		1002.6	82.7	76.4	73.6	28.2		75		5.1		0	4	10	0	1	0	2	0	14
		77																					
Srimangal (R)	0000																						
	0300																						
	1200																						
DACCA																							
Mymensingh	0000	62	1003.1		1005.2	75.0	72.4	71.0	26.0		80		4.1		0	0	1	6	0	0	2	0	22
	0300		1004.7	—0.1	1006.8	79.5	74.8	72.6	27.3	—1.3	72	+1	5.6	+0.4	0	0	0	22	0	0	2	0	7
	1200		1000.4		1002.5	84.6	67.3	73.4	28.8		57		5.2		0	0	0	16	0	0	2	0	13
Jamalpur (R.)	0000	63																					
	0300																						
	1200																						
Narayanganj	0000	26	1003.9		1004.8	77.3	75.7	74.7	29.4		90		4.8		0	1	8	10	4	2	0	3	3
	0300		1005.2	—0.3	1006.1	84.3	77.8	75.4	29.6	—1.2	75	—2	5.8	+1.0	0	1	6	6	12	1	1	0	4
	1200		1001.3		1002.2	86.4	79.1	75.9	30.6		72		4.6		1	0	5	12	10	0	0	0	3
Dacca (Tejgaon) ...	0000	27	1003.4		1004.3	76.8	75.2	74.4	29.1		92		5.3		2	0	4	9	7	0	0	0	9
	0300		1004.6		1005.5	82.8	77.5	75.2	29.8		78		5.4		1	0	2	8	9	7	2	0	2
	1200		1001.6		1001.5	85.8	78.5	75.3	30.0		72		4.6		2	1	1	3	19	1	1	0	3

'R'— Register not received.

Mean for 30 days

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF MAY, 1962.

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 geopotential of 850/700 mbs. pressure level in Gpm.	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	Clam
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										
DACCA (Division)—contd.																							
Faridpur	0000	46	10026.		10042	77.1	75.8	75.1	299		93		4.7		1	1	1	9	11	2	0	1	5
	0300		10042	+0.1	10058	839	79.2	77.0	370	+0.7	80	+3	6.1	+2.0	2	0	1	13	12	2	0	1	0
	1200		10000		1001.6	859	79.4	76.7	31.4		74		4.8		2	2	0	8	10	1	0	1	7
KHULNA																							
Barisal (R)	0000	11	10046 (a)		10050 (a)	79.2 (a)	77.2 (a)	76.2 (a)	31.0 (a)		91 (a)		3.2 (a)		1	0	2	4	3	0	0	0	21
	0300		10060 (a)	+0.2	1006.4 (a)	868 (a)	79.8 (a)	77.1 (a)	31.6 (a)	—0.7	71 (a)	—4	5.0 (a)	+0.5	2	1	4	8	7	0	4	0	4
	1200		1002.4		10028	860	80.4	72.7	31.9		72		3.9		0	0	2	14	6	0	3	0	5
Khulna	0000	16	1003.9		10045	79.3	*	*	*		*		3.6		0	1	0	2	7	1	0	0	20
	0300		1005.1	—0.1	1005.7	85.7	82.2	81.1	35.9	+4.0	86	+11	4.7	—0.4	0	1	0	6	8	2	0	0	14
	1200		1001.3		1001.9	87.4	82.5	80.5	35.8		80		3.4		0	3	0	5	12	0	0	0	11
Satkhira	0000	16	1001.4		1004.7	79.7	75.5	70.9	31.3		91		4.5		1	0	0	0	1	3	0	0	26
	0300		1005.5	+0.7	1006.1	87.7	80.3	77.1	32.0	—0.2	72	—2	4.5	+0.5	0	0	1	1	2	16	1	0	10
	1200		1001.2		1001.7	89.9	79.7	75.4	30.0		64		4.9		1	0	0	0	2	14	0	0	14
Jessore (R)	0000	26																					
...	0300																						
	1200																						
RAJSHAHI																							
Pabna (R)	0000	48																					
	0300																						
	1200																						
Ishurdi	0000	—				76.6	75.0	74.5	28.5		93		5.2		0	1	7	15	6	0	2	0	0
	0300					83.0	78.5	76.4	31.3		81		4.3		1	2	4	9	9	3	3	0	0
	1200					85.9	77.4	73.4	28.2		67		4.4		2	0	5	14	9	0	1	0	0
Sirajgonj	0000	51	1002.5		1004.3	76.0	74.2	73.2	28.1		93		3.5		0	0	1	6	0	0	0	0	24
	0300		1004.0		1005.7	81.8	77.4	75.2	30.1		81		5.6		0	0	1	11	6	1	0	0	12
	1200		999.6		1001.3	84.8	78.6	75.6	30.6		75		4.5		0	2	1	7	4	0	0	0	17
Rajshahi (R)	0000																						
	0300																						
	1200																						
Bogra	0000	73	1001.7		1004.0	75.2	73.3	72.5	27.1		91		5.5		0	2	10	6	3	0	0	2	8
	0300		1003.2	—0.5	1005.5	82.2	77.2	74.8	29.6	+0.8	80	+3	5.4	+1.1	3	2	10	11	2	1	0	0	2
	1200		998.7		1000.9	84.1	77.4	74.4	29.1		74		5.4		1	0	8	12	3	1	1	0	5
Dinajpur	0000	123	999.3		1003.6	75.6	72.3	70.3	25.6		84		4.6		1	7	13	1	0	0	0	0	9
	0300		1001.0	—0.6	1005.3	82.9	75.1	71.7	26.2	—1.4	70	—7	4.3	—0.1	0	1	14	0	0	0	1	0	15
	1200		996.1		1000.4	87.1	78.2	74.5	28.1		67		2.4		0	4	12	0	0	0	0	0	15
Rangpur	0000	113	1000.9		1004.8	73.9	72.1	71.1	26.1		91		5.1		1	8	12	4	1	0	0	0	5
	0300		1002.1		1006.0	78.6	74.8	72.9	27.7		83		5.4		0	3	19	9	0	0	0	0	0
	1200		997.4		1001.2	84.0	78.4	76.0	31.4		78		3.8		1	2	6	14	3	0	0	0	5

(R) — Register not received.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF MAY, 1962.

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. geopotential of 8,500 mbs. pressure level in Gpm.	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	GMT.	Ft.	Mb.	Mb.	Mb.	oF	oF	oF	Mb.	Mb.	%	%	ok	tas									
Jammu (x)	0300	1200																					
	1200																						
LAHORE																							
Lahore (P.B.O.)	0000	702	977.5		1001.7	74.9	64.6	57.2	16.1		55		1.8		5	6	1	1	0	1	0	3	14
	0300		978.8	0.0	1002.5	85.0	68.6	57.9	16.4	+0.9	39	+3	1.9	+0.4	2	7	0	3	0	3	1	7	8
	1200		976.2		999.2	99.4	71.9	53.3	14.3		22		1.6		2	4	0	4	0	1	10	6	4
Lahore (Cantt.)	0000	709	976.6		1000.9	75.4	64.1	55.5	15.4		51		2.0		3	4	0	1	1	1	1	6	14
	0300		978.2(a)	—	1002.1(a)	84.8	67.2	54.6	14.8	—	37	—	1.9	—	4	7	2	1	3	2	0	8	4
	1200		975.7		999.0	99.2	70.1	48.3	12.0		19		2.0		5	5	1	4	1	0	3	11	1
Sialkot	0000	830	*		*	*	*	—	—		—		—		0	1	0	3	0	0	0	1	26
	0300		974.1	—0.6	1001.9	86.3	68.3	55 9	15.5	+0.2	36	—2	0.3	—0.9	0	1	0	1	0	0	0	2	27
	1200		971.6		998.7	9 8.6	73.3	59.0	16.5		26		0.9(b)		0	1	0	3	0	1	0	3(b)	21
RAWALPINDI																							
Jhelum	0000	767	975.0		1001.5	73.8	60.7	49.1	12.3		43		2.0		1	5	0	0	0	2	1	14	8
	0300		976.5	—	1002.5	83.9	64.4	48.5	11.8	—	30	—	2.3	—	0	2	4	3	0	4	3	14	1
	1200		973.8		998.9	98.5	68.1	41.6	9.7		16		2.9		1	3	2	4	1	9	0	9	2
Chaklala	0000	1667	946.3		1003.2	70.7	58.4	49.0	11.7		47		2.9		3	6	3	1	0	0	6	2	10
	0300		947.7	—	1003.4	80.1	63.5	51.8	13.2	—	38	—	2.2	—	3	1	1	2	0	0	5	2	17
	1200		945.6		999.9	92.5	65.2	44.0	10.1		19		2.9		2	2	4	0	1	0	12	9	1
Rawalpindi	0000	1675	946.2		1003.2	70.8	59.4	50.4	12.7		49		2.7		3	1	3	0	0	3	1	1	19
	0300		947.6	+0.1	1003.5	81.7	63.6	50.5	12.8	—1.4	35	+2	2.3	+0.6	3	1	2	0	3	3	3	1	15
	1200		945.2		999.1	92.9	65.1	42.6	9.8		18		3.1		1	4	2	0	0	1	15	5	3
Campbellpur (R)	0300	1175																					
	1200																						
SARGODHA																							
Khushab	0000	616	980.6		1001.7	77.7	*	—	—		—		0.6		2	6	9	0	0	0	0	0	14
	0300		981.8	—0.4	1002.5	86.5	*	—	—				0.3	—1.0	4	8	5	0	1	2	1	0	10
	1200		979.1		999.3	100.9	*						0.4		1	4	5	4	3	2	4	1	7
Sargodha	0000	617	980.6		1001.9	74.3	63.3	55.1	16.6		51		0.2		7	7	6	0	1	1	2	2	5
	0300		981.9	—	1002.8	82.4	67.8	58.1	14.9	—	44	—	2.4	—	4	6	6	3	0	2	3	4	3
	1200		993.4		1015.1	70.1	56.7	42.5	10.0		38		4.0		2	11	1	1	0	5	3	4	1
Mianwali	0000	679																					
	0300																						
	1200																						
Lyallpur	0000	605	980.6		1001.4	77.2	66.2(a)	58.8(a)	17.0		53		1.2		1	1	1	0	0	0	2	2	24
	0300		981.9	—0.2	1002.5	83.9	67.1	55.7	15.0	+0.6	38	+2	1.4	—0.5	0	2	0	7	2	9	1	2	8
	1200		98.7		999.0	100.9	71.9	51.8	13.6		20		1.5		1	2	1	3	3	3	1	5	12
MULTAN																							
Montgomery	0000	558	982.0		1001.2	76.9	64.6	56.0	15.2		46		0.9		0	3	0	4	0	3	0	0	21
	0300		983.7	+0.2	1002.5	95.6	67.7	55.4	15.1	—6.0	36	—14	0.8	—0.1	0	2	0	7	2	9	1	2	8
	1200		980.7		999.0	100.9	58.4	71.9	51.8		20		1.5		1	2	1	3	3	3	1	5	12
Multan P.B.O.	0000	404	987.1		1001.1	76.6	64.0	54.6	14.7		47		1.8		5	0	2	2	1	5	0	2	14
	0300		988.7	—	1002.4	84.5	67.7	56.0	15.5	—	39	—	1.9	—	8	2	0	2	3	6	2	0	6
	1200		985.5		998.6	103.3	70.8	45.2	11.0		15		2.5		4	7	1	1	7	6	0	3	2

(a) — Mean for 24 days.
(b) — Mean for 27 days.

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

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF MAY, 1962.

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 geopotential of 850/700 mbs. pressure level in G.p.m.	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
	GMT.	Ft.	Mb.	Mb.	Mb.	oF	oF	oF	Mb.	Mb.	%	%	oktas										
MULTAN—contd.																							
Multan (Surface)	0300	413	988.3	—0.2	1002.3	84.8	68.7	59.2	16.7	—3.4	41	—6	1.8	+1.0	10	0	0	0	4	0	0	0	17
	1200		984.9		998.5	103.4	74.0	55.4	15.3		21		2.2		6	1	1	0	2	0	0	1	20
Leiah (R)	0000	487																					
	0300																						
	1200																						
BAHAWALPUR																							
Khanpur P.B.O.	0000	290	990.8		1000.9	77.1	65.4	57.4	16.1		51		1.4		2	6	0	0	0	10	0	1	12
	0300		992.7	—	1002.6	85.7	69.1	59.2	16.7	—	41	—	1.1	—	4	5	2	0	0	11	2	0	7
	1200		989.0		998.5	103.9	70.8	44.8	10.8		15		1.1		4	6	0	0	1	10	4	1	5
Bahawalpur	0300	384	*		*	86.0	69.8	58.9	17.6	—2.9	42	—4	1.3	+2.0	0	6	0	7	2	6	0	2	8
	1200		*		*	104.2	74.5 (e)	57.8 (e)	15.7		21		0.8		0	5	0	4	0	9	0	8	5
Fort Abbas	0000	475	985.3 (e)		1000.6 (e)	78.8	65.3	55.7	15.2		45		0.1		5	3	3	2	6	4	1	0	7
	0300		986.7	—	1002.6	88.8	69.8	56.1	16.3	—	35	—	0.1	—	5	2	4	4	4	3	4	0	5
	1200		982.8		998.3	105.2	73.3	51.1	13.5		17		0.2		7	4	1	1	2	1	10	4	1
PESHAWAR																							
Chakdara	0000	2197	928.7		1003.1	66.5	56.0 (a)	46.5 (a)	11.6		51		0.9		22	0	0	0	0	0	1	0	8
	0300		930.9	—	1003.7	73.9	59.7	48.2	11.7	—	41	—	0.6	—	12	0	1	1	1	0	0	0	16
	1200		926.9		998.3	89.4	65.4	46.4	11.4		24		1.4		4	0	1	2	1	0	1	0	22
Peshawar	0000	1177	968.6		1003.3	72.8	61.1	50.8	13.2		48		2.5		1	0	1	6	8	1	4	1	9
	0300		964.5	—0.2	1004.1	82.0	66.3	54.8	15.0	+0.9	40	+4	1.5	—1.0	1	0	3	1	4	1	1	5	15
	1200		961.7		1000.5	92.2	67.7	47.6	12.1		23		3.5		6	4	5	1	1	3	3	6	2
Risalpur	0000	1047	967.0		1002.8	71.0	61.0	52.5	13.8		53		2.7		1	2	0	0	0	2	14	3	9
	0300		968.6	—	1003.8	81.3	64.6	50.8	13.3	—	37	—	1.6	—	0	2	0	0	0	2	20	3	4
	1200		965.7		1000.1	94.4	67.0	42.9	10.2		19		1.5		2	0	1	1	0	5	10	7	5
Haripur	0300	1757	944.4	—	1003.0	81.0	64.4	52.5	14.5	—	39	—	1.9	—	1	10	0	2	0	11	2	5	0
	1200		942.4		999.7	92.1	63.5	45.9	10.6		21		2.5		2	4	0	3	2	16	0	4	0
Kohat	0000	1683	946.7		1003.4	75.4	63.0	53.8	14.6		48		1.9		5	4	0	0	0	0	1	14	7
	0300		948.1	—	1005.5	81.3	66.2	55.6	15.8	—	44	—	1.7	—	7	2	1	0	0	0	0	10	11
	1200		945.8		1000.9	92.8	67.5	49.1	12.7		25		3.6		6	14	0	1	1	0	0	1	8
D. I. KHAN																							
Bannu	0000	1263	*		*	37.1	61.3	49.9	13.1		48		09		1	0	0	0	0	0	0	0	30
	0300		*		*	84.5	65.8	50.1	13.3	—1.1	34	—5	1.0	0.0	0	1	0	0	0	0	2	2	26
	1200		*		*	96.2	68.4	45.4	11.2		18		3.6		0	3	4	6	0	0	2	1	15
D.I. Khan	0000	570	(a) 981.7		(a) 1001.3	75.7	69.9	56.6	16.1		54		0.0		1	1	0	0	0	0	0	0	25
	0300		983.5	—0.1	1002.9	85.3	69.7	59.5	17.7	—1.5	43	—4	1.5	+0.5	0	5	0	0	0	0	0	0	26
	1200		980.1		998.8	100.1	72.6	54.5	14.9		—		0.9		0	5	2	2	0	0	0	2	20

Mean for 30 days
Mean for 26 days

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

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF MAY, 1962.

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 geopotential of 850/700 mbs. pressure level in Gpm.	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										
QUETTA																							
Sibi	0000	441	*	—	*	*	*	*	*		73		0.3		0	1	0	1	0	2	0	3	24
	0300		988.1	+0.8	1003.0	87.4	66.7	51.2	13.1	+0.5	31	+3	1.8	+0.8	1	4	0	4	0	2	0	12	8
	1200		948.4		998.6	108.0	72.7	47.3	11.4		14		2.1		1	0	0	7	3	13	2	5	0
KALAT																							
Nokkundi	0000	2229	929.0		1003.1	78.0	61.5	49.0	17.0		36		0.6		10	3	2	1	1	1	3	9	1
	0300		930.9	—	1004.2	84.1	65.6	52.0	14.0	—1.5	33	—7	0.5	—0.5	10	3	2	2	2	3	1	7	1
	1200		928.2		999.3	100.6	67.4	39.0	9.2		12		0.4		8	2	1	0	3	3	4	8	0
Turbat	0000	510	985.6		1003.2	79 8	69.8	63.2	20.3		59		0.2		0	0	1	2	1	2	4	0	21
	0300		987.2	—	1004.3	86.7	72.3	63.3	20.5	—	48	—	0.3	—	0	1	3	0	0	0	4	1	22
	1200		983.1		999.8	108 9	75.4	53.4	14.8		18		0.6		0	3	0	3	1	7	16	1	0
Jiwani	0000	185	997.1		1003.5	78.4	75.5	74.0	28.7		87		0.6		1	0	3	1	3	6	6	1	10
	0300		998.6	—	1004.9	82.6	77.4	75.0	30.0	—	79	—	1.9	—	2	1	2	6	3	5	8	2	2
	1200		996.6		1002.9	89.5	78.1	72.6	27.5		60		0.9	—	0	0	0	2	9	17	3	0	0
Pasni	0000	28	1002.3		1003.2	77.6	74.4	72.0	27.3		85		1.0		2	0	2	3	1	2	8	6	7
	0300		1003.7	—1.0	1004.7	82.6	75.9	73.9	27.7	—1.6	76	—5	1.7	0.0	2	2	2	1	0	2	10	9	3
	1200		1001.3		1002.3	88.5	78.7	73.9	28.2		60		0.8		0	0	0	1	10	14	6	0	0
KARACHI																							
Ormara	0000	15	1002.2		1002.7	79.5	76.4	74.7	29.2		87		2.8		0	0	0	0	0	1	20	1	9
	0300		1003.8	—	1004.3	83.0	78.2	75.2	30.8	+0.2	77	—6	2.6	+0.6	0	0	4	0	0	1	18	1	7
	1200		1000.9		1001.4	90.6	78.8	73.0	28.3		59		1.7		0	0	0	0	0	2	3	26	0
Lasbela (R)	0000	292	*		*	82.6	76.0	72.5	27.2		73		1.5		0	0	0	1	0	0	0	0	30
	0300		*	—	*	85.6	78.1	74.6	29.5	—0.1	70	—5	1·5	+0.1	0	0	0	2	0	3	0	0	26
	1200		*		*	104.9	84.5	75.8	31.6		43		1.5		0	0	0	10	2	14	0	0	5
Karachi (Mauora)	0000	13	1002.2		1002.7	81.1	78.3	77.1	27.5		88		4.0		0	0	0	0	0	2	18	2	9
	0300		1003.6	—1.4	1004.1	82.3	79.5	78.4	28.5	—2.5	88	+3	3.6	+1.0	1	0	0	0	0	4	19	4	3
	1200		1001.5		1001.9	88.3	81.8	79.9	34.2		75		2.8		0	1	3	2	1	12	19	0	0
Karachi (Mauripur)	0000	52	1001.1		1002.9	79.9	76.8	75.4	30.1		87		1.9		0	1	0	0	0	4	14	3	9
	0300		1002.6	—	1004.4	83.3	78 4	76.2	31.0	—	80	—	3.0	—	0	1	0	0	1	1	18	7	3
	1200		1000.2		1001.9	89.5	80.2	75.6	31.0		67		1.1		0	0	0	0	0	21	10	0	0
Karachi (City)	0300	20	1002.8	—	1003.5	83.9	78.2	76.0	30.4	—	77	—	2.1	—	*	—	—	—	*	—	—	—	*
	1200		1000.9		1001.6	88.9	79.6	76.0	30.3		66		1.3		*	—	—	—	*	—	—	—	*
Karachi (Air Port)	0000	73	1000.6		1003.1	79.0	76.1	74.4	28.5		85		2.0		0	0	0	0	0	2	16	2	11
	0300		1002.1	—	1004.6	84.1	77.4	74.3	28.9	—	72	—	2.9	—	0	0	0	0	0	2	18	8	3
	1200		999.4		1031.9	91.4	77.7	70.0	26.6		52		0.8		0	0	0	0	0	15	15	1	0
Gadap (R)	0300		x	—	x	82.2	75.0	72.1	26.4	—	71		1.3		2	0	0	0	0	13	15	0	1
	1200		x		x	93.9	74.4	63.9	20.2		39		0.6		0	0	0	0	0	16	15	0	0
HYDERABAD																							
Dadu	0000																						
	0300																						
	1200																						

(f) Data for 22 days
(R) Register not received.
(x) Data not available.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF MAY, 1962.

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 geopotential of 850/700 mbs. pressure level in C.p.m.	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
HYDERABAD—contd.	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb	Mb.	%	%	ok tas										
Mithi	0000	96	1000.2		1003.5	80.5	77.5	76.4	30.9		86		0.0		0	0	0	0	0	17	0	0	14
	0300		1000.8	—	1004.5	86.8	80.0	76.5	31.5	—	71	—	0.0	—	0	0	0	0	0	19	0	1	11
	1200		997.1		1000.1	105.5	81.3	71.0	25.7		35		0.0		0	0	0	0	0	25	0	0	6
Nagarparker	0000	178	995.0 (i)		1001.2	80.6	76.1	73.2 (i)	28.7		80		0.0		0	0	0	0	0	12	1	8	10
	0300		996.2 (i)	—	1002.3	83.8 (i)	78.2 (i)	72.0	30.5		65		0.0 (i)	—	0	0	1	0	1	8	2	4	15
	1200		993.2		998.6	97.9	78.5	67.6	24.2	—	33		0.0		0	0	0	0	0	7	4	7	13
Umerkot	0000	55	999.6		1001.1	78.4	74.2	72.5	27.4		82		3.5		1	0	0	1	9	19	1	0	0
	0300		1001.2	—	1003.1	85.2	77.4	73.7	28.1	—	69	—	2.4	—	1	0	0	0	8	21	1	0	0
	1200		997.6		999.4	107.2	78.4	63.3	19.5		25		3.0		1	0	1	0	1	18	10	0	0
Chhor	0000	19	1001.3		1002.0	77.7	72.6	69.6	25.1		77		1.1		0	0	0	0	3	16	1	0	11
	0300		1002.9		1003.5	84.6	76.2	72.1	27.0		67		1.5		0	0	0	0	3	22	4	0	2
	1200		998.7		999.3	105.6	75.5	56.7	16.5		22		1.4		0	0	0	0	0	18	9	1	3
Hyderabad	0000	98	998.4		1001.8	79.8	74.3	71.6	26.5		74		1.6		0	0	0	0	3	14	0	0	14
	0300		1000.0	—0.5	1003.4	85.4	74.8	70.0	24.7	+1.2	61	+2	1.0	+0.5	1	0	0	0	0	17	1	0	12
	1200		996.6		999.9	103.5	75.7	58.9	17.7		26		2.0		0	0	1	0	7	12	1	0	10
Badin	0000	31	1001.2		1002.3	79.1	75.5	74.0	29.4		84		*		1	0	0	0	2	25	1	0	2
	0300		1003.3	+0.1	1004.3	86.0	78.5	74.9	29.9	+1.4	72	+2	*		0	0	0	0	2	25	2	0	2
	1200		999.3		1000.4	102.7	83.2	74.7	28.7		42		*		0	1	0	0	0	30	0	0	0
KHAIRPUR																							
Padidan	0000	153	995.4		1000.8	78.5	66.7	58.4	17.3		52		0.4		2	1	0	9	6	1	0	0	12
	0300		997.2		1002.5	85.4	69.1	57.8	17.1		41		0.8	—	0	3	3	7	5	3	1	2	7
	1200		993.9		990.0	108.6	71.5	41.8	9.1		12		1.5		6	3	1	3	7	1	3	6	1
Nawabshah (R)	0000	124																					
	0300																						
	1200																						
Sukkur	0300	221	994.9	—0.2	1002.4	85.5	70.9	61.5	19.2	—1.7	46	—7	0.9	+0.5	2	3	0	4	8	9	0	1	4
	1200		991.5		998.7	106.5	74.2	53.5	15.4		20		1.2		2	2	0	2	9	7	1	5	3
Kashmore	0000	225	991.9		1000.7	86.9	76.1	70.7	26.4		59		0.3		0	2	0	0	0	0	1	0	30
	0300		994.1		1002.6	89.8	77.6	71.2	26.0		55		0.1		0	0	0	0	0	0	0	0	31
	1200		990.2		998.3	109.6	86.7	77.7	33.2		37		0.2		0	5	0	0	0	0	8	1	17
Jacobabad	0000	183	994.5		1000.8	81.9	70.8	64.5	20.4		57		0.1		5	1	8	2	5	4	0	4	2
	0300		996.3	0.0	1002.7	88.1	74.6	66.4	22.7	—1.0	52	+5	1.2	+0.7	5	1	8	1	2	6	1	3	4
	1200		992.5		998.4	108.3	81.4	66.2	24.4		31		1.3		4	1	2	5	9	3	1	5	1
JUNAGADH																							
Veraval	0300	26	(h) 1005.5		(h) 1006.5	(p) 84.1	(p) 79.4	(p) 77.2	(p) 31.9		(p) 81		1.0		1	0	0	1	(d) 2	2	6	10	0
	1200		(m) 1003.2		(m) 1004.2	(m) 86.3	(m) 79.4	(m) 76.1	(m) 31.6		(m) 73		1.4		0	0	0	0	0	(l) 4	6	3	0
ARABIA																							
Muscat (S)	1200																						

(e) Data for 19 days. (m) Data for 18 days. (p) Data for 15 days. (l) Data for 22 days. (*) Data rejected. (f) Data for 23 days. (s) Observations suspended. (R) Data not received.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF MAY, 1962.

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 geopotential of 850/700 mbs. pressure level in Gpm.	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
	GMT.	Ft.	Mb.	Mb.	Mb.	oF	oF	oF	Mb.	Mb.	%	%	oktas										
HILL STATIONS																							
KASHMIR																							
Srinagar (X)	0000																						
	0300																						
	1200																						
Gulmarg (X)	0300	—																					
	1200																						
Gurez (X)	0300	—																					
	1200																						
Sonamarg (X)	0300																						
	1200																						
Dras (X)	0300																						
	1200																						
Kargil (X)	0300																						
	1200																						
Leh (X)	0000	—																					
	0300																						
	1200																						
Skardu	0000	7250	775.9	—	144.59	50.5	42.8	32.8	6.5	—	58	—	4.4	—	0	1	1	0	1	1	15	0	12
	0300		776.8	—	144.28	59.8	47.2	33.5	6.5	—2.4	39	—18	4.3	+0.9	1	1	8	0	1	1	4	0	15
	1200		773.2		1389.5	66.7	47.3	22.6	4.3		23		5.9		0	0	2	0	21	2	2	0	4
Misgar	0000	10190	*	—	*	39.7	34.1	25.9	4.9	—	59	—	2.8	—	7	3	4	1	0	1	3	2	10
	0300		700.5	—	3110.0	46.8	38.1	26.5	5.1	—	46	—	3.0	—	2	10	4	3	0	2	3	2	5
	1200		698.5		3087.2	57.2	41.1	20.1	3.8		24		4.5		0	6	8	9	0	3	1	4	0
Allahbad (X)	0300	—																					
	1200																						
Gilgit	0000	4789	851.4		1472.0	55.0	49.8	45.1	10.1		69		4.9		0	1	0	0	0	1	6	0	23
	0300		852.4	—	1483.4	67.3	54.8	43.7	9.7	—	42	—	4.5	—	2	5	1	0	0	0	7	1	15
	1200		848.4		1442.5	77.8	56.9	34.6	7.4		22		6.0		0	0	6	3	1	1	11	1	8
RAWALPINDI																							
Murree	0000	7113	782.0	—	1460.8	56.7	46.2	34.5	6·9	—	44	—	3.6	—	0	10	4	5	0	1	1	9	1
	0300		782.9	—0.5	1462.1	63.3	49.6	36.2	7.3	—1.2	36	—5	3.4	+1.4	6	5	4	5	1	0	4	1	5
	1200		782.2		1448.7	67.2	52.5	39.8	8.2		36		4.3		2	6	3	2	0	3	7	7	1

(i) Mean for 22 days
(n) Mean for 17 days

(x) Data not available.
* Data rejected.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF MAY, 1962.

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 geopotential of 850/700 mbs. pressure level in Gpm.	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
PESHAWAR	G.M.T.	F.T.	Mb.	Mb.	Mb.	°F	°F	°E	Mb.	Mb.	%	%	oktas										
Drosh	0000	4806	851.5		1478.4	80.5	51.7	43.3	9.5		53		2.6		0	3	2	5	0	3	0	0	18
	0300		852.5	+0.2	1488.5	65.1	54.6	45.3	10.3	—0.8	49	—8	2.3	+0.3	0	1	7	1	0	0	0	0	22
	1200		848.5		1448.2	78.4	59.4	43.1	9.6		29		4.8		1	3	1	0	0	11	2	0	13
Cherat	0000	4272	*		*	67.8	*	—	—		—		*		1	10	3	0	2	1	0	14	0
	0300		*	—	*	70.3	*	—	—	—	—		*	—	0	15	4	1	0	1	0	10	0
	1200		*		*	80.7	*	—	—		—		*		0	16	8	1	0	0	0	6	0
Kakul	0000	4214	867.0		1451.3	64.6	53.7	43.0	9.7		47		2.9		9	6	4	2	0	0	1	9	0
	0300		868.0	—	1463.0	70.4	57.8	46.9	11.2	—	45	—	2.0	—	6	1	3	2	2	0	6	11	0
	1200		866.5		1451.1	79.2	60.3	34.4	10.2		29		3.6		2	4	1	1	3	9	8	3	0
Balakot	0000	3226	(x)		(x)	66.9	54.9 (f)	47.8 (f)	9.9		44		2.0		4	4	0	0	0	0	1	9	13
	0300		(x)	—	(x)	69.7	57.3 (i)	50.0 (i)	11.0	—	45	—	1.2	—	3	2	0	2	4	1	0	6	13
	1200		(x)		(x)	82.3	60.4	45.4	9.1		24		3.4		6	4	0	1	0	0	1	6	13
Landikotal	0000	3503	888.1		1439.5	64.7	57.3	51.4	13.1		63		1.5		0	0	0	0	0	9	0	0	22
	0300		889.0	—	1454.0	72.6	61.3	52.7	13.9	—	51	—	1.3	—	0	0	0	0	0	12	0	0	19
	1200		886.9		1440.5	83.3	66.1	53.6	14.9		38		3.2		0	0	0	7	0	17	0	0	7
Parachinar	0000	5673	*		*	*	*	—	—		—		4.4		0	0	0	0	0	1	0	0	30
	0300		*	—	*	6.24	*	—	—	—	—	—	1.0	—0.8	0	0	0	0	0	1	0	0	30
	1200		*		*	74.8	*	—	—		—		4.7		0	1	1	12	0	0	0	8	9
D. I. KHAN																							
Miranshah	0000	3026	*		*	*	*	—	—		—		0.7		0	11	0	0	0	0	0	0	20
	0300		*	—	*	76.1	*	—	—	—	—	—	0.5	—0.5	0	6	0	0	0	0	1	1	23
	1200		*		*	90.9	*	—	—		—		2.5		0	25	3	1	0	0	0	0	2
Wana	0300	4503	*	—	*	71.5	56.7	43.1	9.8	—0.3	37	—5	0.3	—1.2	0	0	0	0	0	0	0	0	31
	1200		*		*	83.8	61.0	41.9	9.1		23		4.1		0	10	0	6	0	5	1	5	4
QUETTA																							
Fortsandeman (P.T.)	0300	4614	857.2	+0.8	1477.9	72.7	61.6	52.8	13.9	+4.8	52	—2	0.7	—0.5	1	1	0	0	1	3	4	0	21
	1200		854.4		1451.8	87.7	60.6	31.8	6.5		17		3.0		2	1	1	1	1	7	9	5	4
Fortsandeman (P.B.O.)	0000	4615	855.8		1462.8	65.7	53.9	41.2	9.4		47		1.1		0	2	0	1	4	1	0	0	23
	0300		857.0		1475.4	73.3	57.1	40.3	9.3		37		1.1		0	2	0	0	1	10	8	1	9
	1200		853.8		1444.1	87.2	62.3	36.3	9.1		23		3.9		1	1	0	1	2	7	10	8	1
Hindubagh	0000	5909	*		*	63.5	53.5	43.5	9.0		49		0.0		0	0	0	1	0	3	17	0	10
	0300		816.9		1455.0	69.5	56.5	43.0	9.2		41		0.7		0	0	2	0	1	4	10	1	13
	1200		814.7		1425.6	80.7	58.3	32.4	6.4		21		2.6		1	0	0	0	1	4	23	3	0
Loralai	0000	4699	851.8		1448.7	61.6	54.5	47.0	11.6		65		2.2		2	4	1	2	0	6	3	2	11
	0300		853.1		1462.5	72.1	63.3	57.0	16.3		64		2.2		1	1	3	0	1	1	9	11	4
	1200		850.1		1431.5	84.2	71.1	61.6	20.7		57		5.1		4	1	0	5	7	4	6	4	0
Harnai	0300		*		*	*	*	*	*		*		*		*				*				*
	1200		*		*	*	*	*	*		*		*		*				*				*
Quetta (Samungli)	0000	5213	837.8		1465.8	54.4	46.0	36.9	7.5		52		0.7		0	0	2	12	1	0	1	1	14
	0300		839.0		1475.8	66.4	5.30	40.9	9.0		41		1.3		0	2	4	7	1	0	4	1	12
	1200		836.9		1449.7	83.0	57.0	31.2	6.6		19		2.8		0	0	2	1	0	4	11	12	1

* Data rejected.
(x) Data not available.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF MAY, 1962.

DIVISION AND STATION	Hours of observation.	Height of Barometer 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 geopotential of 850·700 mbs. pressure level in Gpm.	Dry bulb.	Wet bulb.	Dew point.	Vapour pressure.	Departure from normal.	Relative humidity.	Departure from normal.	Relative humidity.	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
	G.M.T.	Ft.	Mb.	Mb.	Mb.	oF	oF	oF	Mb.	Mb.	%	%	oktas										
Quetta (P.T.)	0300	5490	830.3	—1.2	1469.4	66.4	55.0	47.3	10.7	—1.8	50	—4	1.0	0.0	1	6	0	0	4	1	1	5	13
	1200		828.0		1438.8	81.2	61.2	45.6	11.2		34		3.2		1	2	0	4	0	2	4	16	2
Quetta (P.B.O.)	0000	5560	882.8		1473.3	58.8	46.0	31.0	6.0		37		0.5		0	1	1	0	0	1	0	1	27
	0300		828.8		1472.5	73.7	53.9	34.8	7.1		26		1.3		0	0	2	4	3	4	2	1	15
	1200		827.3		1453.6	82.2	56.0	29.9	6.0		17		2.5		0	1	0	0	1	11	5	12	1
Chaman	0000	4311	864.6		1459.7	68.4	54.6	41.1	90		38		1.5		0	0	20	8	2	1	0	0	0
	0300		865.3	—1.1	1469.3	77.9	59.4	44.3	9.8	+0.3	31	—2	1.1	+0.1	0	2	11	13	2	2	1	0	0
	1200		863.0		1449.2	89.4	64.7	46.1	10.8		24		2.1		0	0	0	0	0	4	25	1	1
Nushki	0000	3416	*		*	73.5	55.9	38.5	8.2		29		0.3		1	0	15	0	1	0	0	1	13
	0300		896.8		1509.0	81.8	60.3	39.9	9.2		26		1.0		0	0	17	1	1	0	0	1	11
	1200		894.4		1497.4	94.6	66.0	42.0	10.2		19		1.9		0	0	1	0	1	0	28	0	1
Dalbandin	0000	2788	911.5		1448.6	71.4	55.0	38.9	8.2		32		1.1		4	11	1	2	0	2	3	3	5
	0300		913.2	—0.2	1472.2	78.4	58.8	41.3	9.0	—1.4	28	—4	1.2	+0.3	0	10	0	8	0	5	0	0	8
	1200		910.1		1464.2	97.5	66.5	42.0	9.6		16		3.0		2	3	1	2	1	11	4	7	0
KALAT																							
Kalat	0000	6616	796.7		1471.1	53.8	42.2	28.2	5.0		37		0.2		1	0	0	1	21	3	3	1	1
	0300		797.7	—1.2	1467.8	66.7	53.8	43.2	9.5	—1.1	43	—1	0.2	—0.6	2	0	0	1	19	1	4	4	0
	1200		796.3		1441.5	76.5	57.9	43.0	9.7		32		0.2		5	0	1	1	2	2	7	13	0
Panjgur (P.B.O.)	0000	3180	899.1		1448.9	70.5	60.9	52.8	14.4		58		0.2		1	1	1	0	0	1	0	1	13
	0300		900.6		1469.0	76.5	63.4	53.4	14.6		49		0.3		3	10	1	0	0	1	0	1	10
	1200		897.6		1457.9	96.3	74.7	63.1	20.6		37		2.1		6	2	0	0	0	7	1	7	1

TABLE III.—SUMMARY OF TEMPERATURE, RPECITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF MAY, 1962.

DIVISION AND STATION	Maximum Temperature of the Air °F				Minimem 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		
																			F	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
	GMT.	Ft.	Mb.	Mb.	Mb.	oF	oF	oF	Mb	Mb.	%		oktas								
CHITTAGONG																					
Rangamati	94.5		103	24	77.3		68	3	8.25		2.27	27	8		x		6	0	0	0	0
Cox's Bazar (P.T)	90.4	+1.6	95	24	75.9	0.0	69	27	9.49	—3.25	5.34	27	4	—4.5	x		4	0	0	0	0
Chittagong (P.B.O)																					
Chittagong (P.T)	89.7	+0.8	99	24	76.1	+0.6	67	3.5	11.23	+0.90	2.68	27	9	—1.8	x		5	0	0	0	0
Maijdee Court ("R")																					
Comilla("R")																					
Brahmanbaria	90.1	—1.9	96	25.26	74.6	+1.8	66	2	1440	+2.61	4.36	31	12	+0.3	3.8		11	0	0	0	0
Sylhet (P.B.O)	86.8		95	24,25	72.0		65	2	14.67		2.33	17.31	18		x		9	0	0	0	0
Srimongal ("R")																					
DACCA																					
Mymensingh	88.7	—0.6	96	26	72.1	—2.1	64	4	15.31	+2.85	4.20	31	13	0	x		14	0	0	0	0
Jamalpur ("R")																					
Narayanganj	91.7	+0.6	99	25.26	75.5	—0.3	67	5	9.30	—0.34	2.12	31	10	—1.0	4.3	+0.4	9	0	0	0	0
Dacca (Tejgaon)	90.4		97	25	75.0		65	5	80.7		3.57	31	11		x		13	0	0	0	0
Faridpur	90.9	—0.8	96	4 Days	74.6	—0.3	66	12	10.76	+1.14	2.15	9	10	—1.0	4.3	—2.1	12	0	0	0	0
KHULNA																					
Barisal ("R")	(a) 91.8	+0.1	97	25.27	(a) 76.0	—0.9	69	7	7.09	—11.6	2.70	29	8	—1.6	x		4	0	0	0	0
Khulna	93.4	+0.5	97	4 days	77.6	+0.6	68	3	4.99	—2.67	1.65	5	7	—2.7	4.1	—0.1	0	0	0	0	0
Satkhira	95.1	—0.3	102	26	77.8	+0.4	68	3	3.30	—3.57	2.47	3	4	—4.2	2.5	—0.9	4	0	2	0	0
Jessore (P.T) ("R")																					
RAJSHAHI																					
Pabna ("R")				22																	
Ishurdi	93.0		99	23,27	74.6		66	17	7.68		1.51	17	9		x		4	0	1	0	3
Sirajgang	90.5		97	25	72.9		64	3	9.87	+1.70	2.34	18	15	+4.5	2.5		5	0	2	0	0
Rajshahi ("R")				8																	
Bogra (P.B.O)	91.1	—1.3	96	27	73.8	—0.5	67	3	11.22	+2.82	3.65	18	15	+5.4	3.0	+0.6	19	0	0	0	0
Dinajpur	92.0	+0.2	99	22, 23	73.7	—0.5	66	2,3	5.43	—1.91	2.48	31	6	—2.7	x		11	0	0	0	0
Rangpur	88.8		94	9,26	72.1		65	3	16.06	+5.23	3.36	16	16	+4.5	3.2		6	2	0	0	0
KASHMIR																					
Jammu(x)																					
LAHORE																					
Lahore (P.B.O.)	102.1	—1.6	113	28, 30	739	+1.7	66	10	0.59	0.00	0.59	10	1	—0.3	2.7	+0.7	4	0	0	2	1
Lahore Cantt.	102.0	—	113	28	74.4	—	66	10	0.57	—	0.57	10	1	—	3·8	—	6	0	0	2	1
Sialkot (R)	1033	+1.1	113	5 days	*	—	—	—	000	—099	000	—	0	—2.0	(*)	—	0	0	0	0	0
RAWALPINDI																					
Jhelum	102.0	—	113	28,29,30	71.5	—	63	10	0.61	—	0.41	1	1	—	37	—	10	0	0	0	2
Chaklala	95.3	—	106	23,27	67.5	—	56	10	0.94	—	0.47	10	2	—	6.6	—	9	0	0	0	0
Rawalpindi	96.3	—1.4	108	27	69.3	+0.6	57	10	0.80	—0.45	0.43	10	3	+0.5	3.4	+1.1	8	0	0	0	4
Campbellpur																					

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

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION WIND VELOCITY AND WEATHER DURING THE MONTH OF, MAY 1962.

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
	GMT.	Ft.	Mb.	Mb.	Mb.	oF	oF	oF	Mb.	Mb.	%	%	oktas								
SARGODHA																					
Khushab	102.5	—1.2	115	29,30	73.4	—2.9	61	4	0.40	—0.36	0.40	4	1	—0.6	4.8	0.0	2	0	0	1	2
Sargodha	101.6	—	114	29	71.7	—	64	4	0.47	—	0.24	4	2	—	5.3	—	4	0	0	6	2
Mianwali (x)																					
Lyallpur	101.8	—0.6	113	29	73.0	—0.9	65	4	0.44	+0.01	0.42	10	1	—0.2	2.0	—0.4	5	0	0	0	2
MULTAN																					
Montgomery	103.9	—1.5	114	29,30	74.6	—2.3	68	19	0.02	—0.34	0.02	10	0	—1.1	(x)	—	4	0	0	0	4
Multan (P.B.O.)	105.8	—	118	29	74.5	—	66	14	0.23	—	0.19	10	1	—	3.9	—	5	0	0	2	3
Multan (surface)	105.6	+0.8	119	29	77.4	0.0	70	4,10	0.05	—0.28	0.03	10	0	—0.7	1.2	—0.6	6	0	0	0	0
Leiah (R)																					
BAHAWALPUR																					
Khanpur (P.B.O.)	106.9	—	116	23,28	75.5	—	65	19	0.00	—	0.00	—	0	—	5.8	—	2	0	0	4	2
Bahawalpur	107.0	+0.8	117	29	75.4	—0.5	69	19,29	0.00	—0.18	0.00	—	0	—0.5	4.1 (c)	+1.0	0	0	0	0	1
Fort Abbas	108.0	—	118	29	75.4	—	70	3	0.12	—	0.10	3	1	—	3.6	—	0	0	0	0	1
PESHAWAR																					
Chakdara	91.9	—	103	27,29,30	64.3	—	53	10	0.68	—	0.43	13	2	—	(x)	—	1	0	0	0	0
Peshawar	95.6	—1.4	109	29	71.0	+0.6	59	10	0.90	+0.13	0.21	10	6	+4.0	3.4	+1.1	7	0	0	0	1
Risalpur	97.5	—	110	29	68.5	—	57	10	1.05	—	0.39	10	3	—	4.0	—	7	0	0	0	3
Haripur	95.0	—	106	29	63.5	—	41	10	1.18	—	0.89	10	2	—	5.6	—	1	0	0	0	0
Kohat (P.A.F.)	95.6	—	108	29	73.0	—	61	10	2.19	—	0.95	10	5	—	6.5	—	10	1	0	0	0
D. I. KHAN																					
Bannu	98.1	—1.7	109	29,30	71.5	—0.0	63	4	0.15	—0.46	0.15	13	1	—0.5	2.2	—	0	0	0	0	0
D. I. Khan	102.1	—1.4	115	29,30	73.5	—1.2	66	4	0.68	+0.29	0.65	13	1	0.0	1.4	—0.4	0	0	0	0	0
QUETTA																					
Sibi	109.7	+0.5	120	2829	*	—	*	—	0.00	—0.14	0.00	—	0	—0.5	2.9	—1.2	0	0	0	0	0
KALAT																					
Nokkundi	102.4	0.0	113	29	72.1	—2.4	61	8	0.00	—0.02	0.00	—	0	0.0	(x)	—	0	0	0	0	0
Turbat	111.1	—	119	22	(x)	—	(x)	—	0.11	—	0.11	9	1	—	(x)	—	0	0	0	0	0
Jiwani	93.2	—	105	23	76.9	—	72	14	0.00	—	0.00	—	0	—	8.7	—	0	0	3	0	0
Pasni	95.9	+1.6	111	22	76.5	+2.3	72	34	0.00	—0.01	0.00	—	0	0.0	3.9	—3.2	0	0	0	1	0
KARACHI																					
Ormara	95.1	+2.4	111	19	78.7	—0.8	70	4	0.00	0.00	0.00	—	0	0.0	10.6	0.0	0	0	0	1	0
Lasbela (R)	110.4	+4.4	118	21	80.1	+6.8	73	8	0.00	—0.42	0.00	—	0	—0.9	(x)	—	0	0	0	0	0
Karachi (Manora)	93.4	+4.8	106	23	80.1	+1.1	78	48,22	0.00	—0.06	0.00	—	0	—0.1	(x)	—	0	0	0	0	0
Karachi (Mauripur)	94.8	—	111	22	79.0	—	74	4.56	0.00	—	Tr	30	0	—	(x)	—	0	0	0	0	0
Karachi (City)	93.2	—	111	19,22	7.92	—	73	5	0.00	—	0.00	—	0	—	(x)	—	0	0	0	0	0
Karachi (Airport)	97.1	—	114	22	77.4	—	72	5	0.00	—	0.00	—	0	—	8.6	—	0	0	1	0	0
Gadap	97.5	—	105	20	75.5	—	68	4	0.00	—	0.00	—	0	—	7.2	—	0	0	0	0	0

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

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF MAY, 1962.

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
HYDERABAD																					
Dadu (R)																					
Mithi	109.9	—	119	22	78.5	—	73	5	0.00	—	0	—	0	—	39	—	0	0	0	0	0
Nagarparker	(i) 104.2	—	114	22,1	(i) 77.1		70	27	0.00	—	0	—	0	—	(x)	—	0	0	0	0	0
Umerkot	109.5	—	119	21	77.4		71	9	0.00	—	0	—	0	—	x	—	0	0	0	0	0
Chhor	108.0	—	117	22	76.9	—	71	5,6,9	x	—	x	—	x	—	51	--	0	0	0	0	0
Hyderabad	108.4	+1.4	118	22	79.1	+0.9	73	5	0.72	+0.53	0.46	9	2	+1.6	5.7	—2.0	0	0	0	0	0
Badin	108.7	+4.8	121	22	77.7	—0.6	70	5	0.00	—0.22	0.00	—0.0	0	—0.2	x	—	0	0	0	0	0
KHAIRPUR																					
Padidan	109.8	—	118	29	76.6	—	65		0.30	—	0.30	5	1	—	5.8	—	1	0	0	0	0
Nawabshah (R)																					
Sukkur	107.8	+0.4	116	28,29	79.6	0.0	71	7	0.00	—0.14	0.00	—	0	—0.2	x	—	0	0	0	1	0
Kashmore	*	—	*	—	*	—	*	*	0.00	—	0.00	—	0	—	x	—	0	0	0	0	0
Jacobabad	109.5	—1.6	119	4 days	80.2	+0.4	68	7	0.34	+0.20	0.25	7	1	+0.6	7.1	+2.8	0	0	0	0	0
JUNAGARH																					
Veraval (x)	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*
Arabia																					
Muscat (S)																					
HILL STATIONS																					
KASHMIR																					
Srinagar (x)																					
Gulmarg (x)																					
Gurez (x)																					
Sonamarg (x)																					
Dras (x)																					
Kargil (x)																					
Leh (x)																					
Skardu	72.3	—0.3	79	24	49.0	—0.4	42	11	0.23	—0.56	0.18	31	1	—1.0	70	+2.6	1	0	0	0	0
Misgar	61.9	—	68	9,23,29	38.4	—	32	16	0.12	—	0.05	24,31	0	—	4.5	—	0	0	0	0	0
Allabad (x)																					
Gilgit P.B.O.	82.5	—	94	30	53.3	—	47	2.16	0.42	—	0.13	13	1	--	4.2	—	2	0	0	0	5
... ...																					
RAWALPINDI																					
Murree	72.5	—2.6	83	27,30	53.6	—2.0	42	10	3.28	+0.66	1.04	9	7	+2.2	6.7	+2.2	6	3	0	0	0
PESHAWAR																					
Droah	81.4	—0.1	96	23, 28	59.0	0.0	48	4	3.25	+1.34	0.94	1	7	+2.5	3.6	+0.5	7	2	0	0	0
Cherat	86.1	+0.8	100	30	*	—	—	—	1.61	—0.04	0.83	13	3	+0.3	*	—	4	0	0	0	0
Kakul	83.5	—	95	27	62.6	—	53	4,10	3.12	—	1.10	10	4	—	(x)	—	11	0	0	0	0
Balakot	87.5	—	98	29	64.0	—	54	8	1.62	—	0.53	14	4	—	4.1	—	0	0	0	0	0
Landikotal	86.2	—	98	29	61.6	—	47	4	1.14	—	0.48	3	3	—	(x)	—	6	0	0	0	0
Parachinar	78.6	—0.9	91	29,30	54.7	—0.9	48	4 days	5.65	+3.34	2.10	13	8	+1.3	2.5	—0.1	0	0	0	0	0

Data rejected.
Data not available.

(c) Mean for 28 Days.
(d) Mean for 27 Days.

(R) Register not received.
(S) Observations suspended

Data for 22 days.

TABLE III.—SUMMARY OF TEMPERATURE, PRECEIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF MAY 1962.

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
D. I. KHAN																					
Miranshah	92.8	—0.1	107	30	67.1	—2.3	51	13	0.74	—0.40	0.61	2	2	—0.4	4.3	—0.4	0	0	0	0	0
Wana	89.5	+0.6	100	29	59.3	—0.7	51	6	0.65	—0.17	0.65	13	1	—1.3	2.0	—	0	0	0	0	1
QUETTA																					
Fortsandeman (P.T) (P.B.O)	90.3	—0.2	101	29	65.3	+1.4	53	5	0.23	—0.68	0.13	13	2	—0.1		—	3	0	0	0	0
Fortsandeman P. T.	89.6 (a)	—	100	29,30	64.2	—	52	5	0.17	—	0.08	6	0	—		—	3	0	0	0	0
Hindubagh	86.6	—	93	28,29,23	*	—	*	—	0.00	—	0.00	—	0	—	x	—	0	0	0	0	0
Loralai	88.3	—	99	29,30	58.4	—	49	5,7	0.25	—0.35	0.25	13	1	—0.3	3.9	—	0	0	0	0	0
Harnai	(x)	—	(x)	—	(x)	—	(x)	—	0.03	—0.47	0.03	13	0	—0.9	7.0	—	0	0	0	0	0
Quetta (Samungii)	85.7	—	97	29	51.8	—	42	16	0.21	—	0.21	3	1	—	4.2	—	3	0	0	0	0
Quetta (P. T)	83.6	—	95	29	54.6	—	44	19	0.05	—	0.03	4	0	—	x	+0.6	2	0	0	0	0
Quetta (P.B.O.)	85.6	—	96	29	57.2	—	50	7	0.00	—	Tv	13	0	—	5.8	—	2	0	0	0	0
Chaman	90.3	—0.1	102	29	65.6	+0.5	60	4 days	0.05	—0.08	0.03	3	0	—0.4	3.0	—	1	0	0	0	1
Nushki	97.3	—	110	30	72.5	—	65	7	0.02	—	0.02	3	0	—	3.5	—	1	0	0	0	0
Dalbandin	100.4	+0.1	111	29, 30	67.7	+1.7	57	6	0.14	+0.07	0.10	6	1	+0.8	x	+0.6	2	0	0	0	2
															x						
															5.0						
KALAT DIVISION																					
Kalat	79.5	—3.5	93	30	49.2	—2.8	39	6	0.00	—0.20	0.00	—	0	—0.7		—	0	0	0	0	0
Panjgur (P.B.O.)	98.8	—	109	28, 29	68.8	62	62	9	0.16	—	0.10	9	1	—		1	0	0	0	0	0
															x						
															4.7						

* Dsta rejected.
(x) Data not available.

(a) Data for 30 Days

REGD. No. S-1452

PAKISTAN WEATHER REVIEW, 1962

MONTHLY WEATHER REPORT

JUNE

(PUBLISHED BY THE AUTHORITY OF THE GOVERNMENT OF PAKISTAN)

Chief features:

1. Heavy rainfall in the southern parts of Chittagong division on the 11th and in the beginning of the third week.
2. Scanty rainfall in West Pakistan outside Lahore, Rawalpindi and Peshawar divisions.

East Pakistan:

Incursion of moist air continued at the beginning of the month and fairly widespread rain or thundershowers occurred in the region excluding Chittagong division on the 2nd. Locally moderate to heavy falls were also reported on these days and, according to newspaper reports, a severe squall hit Mymensingh town in early morning of the 1st giving a rainfall of 4" and resulting in the dislocation of power and damage to vegetation. With the passage of an easterly low pressure area in the east central Bay of Bengal the rainfall registered a decline and scattered to local rain or thundershowers were reported from the region on the 3rd and the 4th except in Rajshahi and Dacca divisions where the weather remained dry. The low became well marked and concentrated into a depression on the 5th with its centre at 0300 hours GMT within one degree of latitude 18°N and longitude 87½°E. Moving next morning northwards it lay with its centre near latitude 20½°N and longitude 87½°E. Continuing to move in the same direction it crossed coast on the 7th and was centred the same day at 0300 hours GMT about 60 miles to the northwest of Calcutta. Thereafter it weakened into a well marked low while moving across the northern areas of East Pakistan. Fairly widespread rain or thundershowers occurred under its influence in the region between the 5th and the 10th. Locally moderate to heavy falls were also recorded in Dacca and Khulna divisions on the 9th and the 10th. Cox's Bazar recording 4" on the 9th and Chittagong 12" and Maijdee Court, Srimangal, Khulna and Sylhet 4" each on the 10th. As a consequence the sourthern parts of Chittagong division were flooded, which caused considerably damage to life and property. A temporary slackening occurred in the monsoon on the 11th and 12th when scattered to local rain fell in the province except in Chittagong division where rainfall was fairly widespread on the 11th. A westerly low pressure wave moved between the 13th and the 15th and simultaneously monsoon became active from the 14th, resulting in local thunderstorms or showers in the province on the 13th and fairly widespread rain or thundershowers with locally moderate to heavy falls between the 14th and the 18th. Cox's Bazar recorded 6" on the 12th and again on the 17th.

The floods were further aggravated due to these heavy falls. According to newspaper reports, twenty two persons lost their lives and more than a thousand were rendered homeless. There was also a considerable loss of livestock and property. An easterly low pressure wave entering into the northeast Bay of Bengal on the 18th brought in some relief and a decline in monsoon was noticed from thence till the 22nd when scattered to local rain or thundershowers occurred in most of the parts of the province. Thereafter another low pressure area appeared over north Bihar and adjoining areas on the 23rd and remained there till the 25th when it merged into the seasonal trough and caused local to fairly widespread rain or thundershowers in the province between the 23rd and the 25th. Monsoon became active in its wake as a result of which fairly widespread rain fell between the 25th and 27th and locally heavy downpours occurred in Chittagong division on the 27th. Sylhet recorded 4" on the 26th, 8" on the 27th and again 4" on the 29th, Rangamati and Mymensingh 5" each and Rangpur 4" on the 28th. Monsoon remained subdued during the last three days of the month when scattered to local rain fell in the region except for Chittagong and Dacca divisions where the rainfall was fairly widespread on the last two days of the month.

The total rainfall during the month was in moderate excess in Chittagong division, slight defect in Rajshahi division and normal elsewhere. Averaged over the region as a whole it was normal.

The mean maximum and the mean minimum temperatures and the mean relative humidity were normal over the region.

Skies were also normally clouded.

West Pakistan:

Last month's western disturbance while moving away eastwards across Kashmir caused scattered thunderstorms in Rawalpindi and Peshawar divisions and light showers in Lahore division on the 1st. Another western disturbance, while moving away northeastwards, caused local thunderstorms or light showers in Peshawar division, scattered in Rawalpindi and Sargodha division with a few duststorms in Quetta division on the 3rd and 4th and scattered only in Peshawar division on the 5th. Three westerly low pressure waves affected the northern parts of the region thereafter between the 9th and 13th. The first of these caused local thunderstorms in Rawalpindi division on the 10th and the second caused local dust or thunderstorms in Peshawar division and scattered in Rawalpindi, Multan, Bahawalpur and Quetta divisions on the 12th. The last low pressure wave was quite active and was associated with cyclonic circulation extending upto 10,000 ft. This caused widespread dust or thunderstorms in Lahore and Rawalpindi divisions, local in Sargodha, Multan, Bahawalpur and Peshawar divisions and scattered in Quetta division on the 13th. Noteworthy amounts of rainfall recorded were 1½" at Murree and 1" each at Jhelum, Rawalpindi and Cherat on the 13th. A violent squall with winds reaching 110 miles per hour hit Rawalpindi town on the 12th evening and caused large scale devastation and killed as many as nine persons according to newspaper reports. Lahore was also hit by a squall the same night but it did not cause any appreciable damage. Yet another squall hit Rawalpindi on the 13th evening. Another low pressure wave which followed in their wake caused widespread thunderstorms or showers in Rawalpindi and Sargodha division scattered in Peshawar, D. I. Khan and Quetta divisions and a few duststorms in Multan, Bahawalpur and Peshawar divisions on the 14th and scattered dust or thunderstorms in Peshawar and Quetta divisions and only light rain in Rawalpindi division on the 15th. Fort Sandeman recorded ½" of rain on the 14th. After a brief spell of dry weather which lasted till the 19th, scattered rain or thunderstorms again occurred in Quetta and Peshawar divisions on the 20th in association with a low pressure wave, which approached Afghanistan and neighbourhood on the 19th and moved away eastwards across Rawalpindi division the next day. In its wake scattered to local thunderstorms or showers in Lahore, Rawalpindi, Peshawar and D. I. Khan divisions were reported on the 21st and a few dust or thunderstorms in Sargodha, Multan and Peshawar division on the 22nd. A complex western disturbance which moved across the northern divisions between the 24th and 27th caused fairly widespread rain or thundershowers in Lahore division, scattered in Quetta division and light rain and thunderstorms respectively in Rawalpindi and Peshawar divisions on the 24th. Local rain or thunderstorms were reported from Rawalpindi division, a few thunderstorms from Lahore and Peshawar divisions and duststorms from D. I. Khan and Quetta divisions on the 25th and scattered or local rain or dust and thunderstorms from Rawalpindi and Peshawar divisions on the 26th. Fairly widespread duststorms occurred in Sargodha division on the 27th and a few thunderstorms or duststorms respectively in Peshawar and Quetta divisions on the 28th. Another western disturbance affected the northern parts of the region on the last day of the month and caused widespread thunderstorms in Sargodha division, fairly widespread thunderstorms or showers with a few dustsorms in Lahore, Rawalpindi and Multan divisions and local rain or thundershowers in Peshawar and D. I. Khan divisions on the same day. Chief amounts of the Rainfall recorded were Fort Sandeman 1" on the 24th, Jhelum and Murree 1" each on the 25th, Haripur 1" and Rawalpindi 3" on the 26th Jhelum 1" and Parachinar 3/4" on the 27th and Wana 1½" and Drosh, Landikotal and Parachinar ½" each on the 30th.

The total rainfall during the month, was in slight excess in D. I. Khan division, slight defect in Rawalpindi and Quetta divisions, moderate defect in Lahore division and in large defect elsewhere. Averaged over the region it was in moderate defect.

Both the maximum and minimum temperatures were normal over the region outside Kalat division, where the maximum temperature alone was below normal.

The mean relative humidity was in defect in Rawalpindi, Multan and Karachi divisions and normal elsewhere.

The skies were normally clouded in Multan, Peshawar and Karachi divisions and less than usual over rest of the region.

Table I contains the divisional means of rainfall, temperature, relative humidity and the cloud amount for the 18 chief political divisions of Pakistan. These means are based on the observations at the stations whose monthly means are given in the subsequent tables.

Sd/- (K. U. Siddiqui)
for Director,
Meteorological Services.

TABLE I.—DIVISIONAL MEANS FOR JUNE, 1962.—*contd.*

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
EAST PAKISTAN	"	"	"		"	"	mb	%	
Chittagong	28.79	23.88	+4.91	+35	—1.2	+0.7	+0.3	+3	0.0
Dacca	14.75	14.90	—0.24	—2	—0.1	+0.4	+0.1	0	+0.5
Khulna	13.72	13.57	+0.15	+1	—1.2	—0.3	—0.1	+4	+0.5
Rajshahi	10.71	14.19	—3.48	—25	0.0	+0.1	+0.5	—3	+0.3
Mean	1.78	1.64	+0.14	+8	—0.7	+2.2	+0.2	+1	+0.3
WEST PAKISTAN									
Kashmir (x)									
Lahore	1.24	2.01	—0.77	—38	+0.9	+0.7	—0.3	—2	—0.6
Rawalpindi	2.59	3.15	—0.56	—18	+0.2	—0.2	—2.1	—7	—0.5
Sargodha	0.30	1.31	—1.01	—77	+1.1	—0.3	—0.8	—1	—0.9
Multan	0.17	0.77	—0.60	—78	+0.8	—0.1	—3.7	—8	—0.1
Bahawalpur	0.00	0.28	—0.28	—100	+0.9	+0.6	—1.3	0	—0.8
Peshawar	1.12	1.03	+0.09	+ 9	—1.2	+0.7	+0.7	+1	—0.1
D. I. Khan	0.84	0.71	+0.13	+18	+0.7	—1.5	—0.6	—3	—0.4
Quetta	0.26	0.34	—0.08	—24	—1.2	—0.7	—1.3	—4	—0.5
Kalat	0.00	0.15	—0.15	—100	—2.2	—1.9	—1.5	—5	—0.3
Karachi	0.00	0.37	—0.37	—100	+1.3	—0.2	—1.5	—8	—0.1
Hyderabad	0.00	0.52	—0.52	—100	+1.1	+0.2	+1.1	+3	—1.5
Khairpur	0.00	0.20	—0.20	—100	—0.3	+0.2	—2.2	—4	—0.3
Mean	0.33	0.62	—0.29	—47	—0.4	—0.5	—1.1	—3	—0.5
Junagadh (X)									

(X) Data not available.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF JUNE, 1962

DIVISION AND STATION	Hours of observation.	Height of barcistern 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 geopotential of 850/700 mbs. pressure level in Gpm.	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										
CHITTAGONG																							
Rangamati	0000	208	995.0		1002.1	78.5	76.4	75.3	30.1		91		5.9		1	1	0	1	25	0	2	0	0
	0300		996.2		1003.3	82.8	78.4	76.5	31.2		82		6.1		2	0	0	0	27	0	0	0	1
	1200		993.7		1000.7	82.0	78.3	76.6	31.4		85		6.5		0	0	0	0	25	1	1	1	2
Cox's Bazar (P. T)	0000	38																					
	0300		1000.8	—1.1	1002.1	81.5	78.7	77.6	32.3	+0.2	89	+4	5.5	—0.6	1	0	1	6	13	7	1	1	0
	1200		998.7		1000.0	80.7	78.3	77.1	32.0		90		5.4		0	1	0	9	11	7	1	1	0
Chittagong (P.B.O.) (R)	0000	19																					
	0300																						
	1200																						
Chittagong (P.T)	0000	46																					
	0300		1000.1	—1.5	1001.7	81.9	77.8	76.2	30.7	—0.8	83	—0	7.0	+1.0	0	1	0	20	6	1	0	0	2
	1200		997.4		999.0	81.3	78.1	76.7	31.4		87		7.1		1	0	0	4	13	9	2	0	1
Maijdi Court (R.)	0000	25																					
	0300																						
	1200																						
Comilla (R.)	0000	29																					
	0300																						
	1200																						
Brahmanbaria	0000	32	998.8		999.9	78.9	77.2	76.5	31.1		93		5.4		2	2	1	11	10	1	0	0	3
	0300		1000.4		1001.5	82.1	78.7	77.2	32.0	+1.4	85	+6	6.7		0	1	4	11	13	1	0	0	0
	1200		997.6		998.7	83.4	79.0	77.3	31.8		83		6.1		0	1	2	2	17	2	1	0	5
Sylhet (P.B.O.)	0000	115	996.3		1000.3	77.3	76.3	75.9	30.5		95		7.4		0	1	14	3	2	0	1	1	8
	0300		997.7		1001.6	80.6	78.0	76.8	31.6		88		7.2		0	1	12	1	1	0	0	1	14
	1200		994.5		989.3	82.5	78.9	77.2	32.1		85		6.8		0	1	11	0	3	1	4	2	8
Srimangal	0000	77	997.6		1000.2	77.2	75.1	74.4	28.8		90		5.4		0	1	3	0	1	0	0	0	25
	0300		999.0	—1.3	1001.5	81.9	78.5	76.9	31.8	+0.5	86	0	5.0	—0.3	0	0	5	1	1	0	0	0	23
	1200		995.9		998.4	84.1	80.1	78.5	33.3		84		4.6		0	0	1	0	0	0	0	0	29
DACCA																							
Mymensingh	0000	62	998.3		1000.4	79.3	77.8	76.9	31.8		93		5.2		0	0	0	9	0	0	4	0	17
	0300		999.5	—0.8	1001.6	81.6	78.6	77.3	32.1	+0.3	87	+1	6.7	0.0	0	0	0	26	0	0	1	0	3
	1200		996.3		998.4	84.3	80.0	78.2	33.0		83		6.0		0	0	0	11	0	0	2	0	17
Jamalpur (R)	0000	63																					
	0300																						
	1200																						
Narayangani	0000	26	998.8		999.8	80.5	78.8	78.0	32.9		91		7.4		0	1	3	13	9	2	0	0	2
	0300		1000.0	—1.1	1000.9	83.6	79.8	78.4	33.0	—0.1	84	—1	7.5	+1.0	0	0	11	10	7	0	0	0	2
	1200		997.3		998.2	84.5	79.9	78.4	32.7		83		7.2		0	0	0	10	14	1	5	0	0
Dacca (Tejgaon)	0000	27	998.2		999.1	79.8	78.5	77.6	32.7		94		7.3		0	0	3	11	7	1	0	0	8
	0300		999.5		1000.4	82.9	79.5	78.0	32.9		85		6.9		0	0	4	11	8	2	0	0	5
	1200		996.7		997.6	83.6	79.6	77.7	32.7		84		7.0		1	0	0	8	8	2	1	1	9

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF JUNE 1962.

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 geopotential of 850/700 mbs. pressure level in Gpm.	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
	GMT.	Ft.	Mb.	Mb.	Mb.	oF	oF	oF	Mb.	Mb.	%	%	oktas										
DACCA (Division)—contd.																							
Faridpur (R)	0000	46																					
	0300																						
	1200																						
KHULNA																							
Barisal	0000	11	999.5		999.9	80.6	79.1	78.5	33.3		93		6.2		0	0	5	2	7	0	1	0	15
	0300		1000.6	—0.7	1001.0	85.0	80.6	78.7	33.7	0.0	83	—2	6.6	+0.6	0	0	4	15	7	0	2	0	2
	1200		998.2		998.6	84.6	80.2	78.1	33.3		82		6.7		0	0	4	12	8	0	4	0	2
Khulna	0000	16	998.6		999.2	80.3	79.6	79.4	34.2		98		5.5		0	0	2	0	4	0	0	0	24
	0300		1000.1	—0.5	1000.7	84.0	81.3	80.7	35.3	+1.8	91	+11	6.5	—0.1	0	0	0	4	4	0	0	0	22
	1200		997.6		998.1	83.0	80.7	79.9	34.8		91		6.0		0	0	1	1	4	0	0	0	24
Satkhira	0000	16	998.5		999.1	80.4	79.1	78.7	33.3		95		6.7		0	3	0	1	1	1	0	0	24
	0300		1000.6	+0.3	1001.1	85.0	81.1	79.7	34.5	—2.0	84	+2	6.4	+1.1	0	0	1	0	4	6	0	0	19
	1200		998.4		998.9	83.9	79.7	77.9	32.8		82		6.7		0	0	0	4	2	0	0	0	24
Jessore (PT) (R)	0000	26																					
...	0300																						
	1200																						
RAJSHAHI																							
Pabna (R)	0000	48																					
	0300																						
	1200																						
Ishurdi	0000					78.8	77.8	77.4	32.1		95		6.6		1	3	10	8	6	1	1	0	0
	0300					83.3	80.0	78.0	33.5		86		6.8		2	1	7	11	4	3	1	1	0
	1200					84.0	80.1	78.6	33.2		84		7.1		1	1	5	12	9	1	1	0	0
Sirajgonj	0000	51	997.7		999.5	79.0	78.1	77.9	32.5		96		5.6		0	0	0	2	2	0	0	0	26
	0300		998.9		1000.6	82.1	79.5	7.94	33.2		89		6.3		0	1	0	4	6	1	0	2	16
	1200		995.8		997.5	83.5	80.6	79.5	34.3		88		6.1		0	0	0	1	9	1	0	1	18
Rajshahi (R)	0000	73																					
	0300																						
	1200																						
Bogra (BPO)	0000	65	996.9		999.1	79.0	77.9	77.6	32.1		95		6.8		1	1	5	11	1	0	1	0	10
	0300		998.2	—1.1	1000.4	82.8	79.5	77.9	32.9	+0.6	86	+1	6.9	+1.0	0	2	9	13	0	2	0	1	3
	1200		995.2		997.4	83.8	80.3	78.8	33.8		85		6.9		0	0	6	13	0	1	1	0	9
Dinajpur	0000	123	994.7		998.0	79.4	77.6	76.4	31.5		91		6.0		0	1	6	0	0	0	0	0	23
	0300		995.8	—1.3	1000.0	84.0	79.1	76.9	31.8	+0.4	80	—6	5.5	—0.5	0	0	10	0	0	0	0	0	20
	1200		992.5		996.7	86.5	81.2	77.9	30.7		78		5.4		0	0	9	0	0	0	0	0	21
Rangpur	0000	113	996.0		999.9	78.3	77.1	76.6	31.3		94		5.8		3	5	11	5	2	0	0	0	4
	0300		996.9		1000.7	82.1	79.3	78.1	32.9		88		5.9		0	7	9	11	1	2	0	0	0
	1200		993.5		997.3	84.9	80.6	78.8	33.7		83		5.1		1	3	3	18	2	0	0	0	3

(R) — Register not received.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF JUNE, 1962.

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 geopotential of 850/700 mbs. pressure level in Gpm.	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	GMT.	Ft.	Mb.	Mb.	Mb.	oF	oF	oF	Mb.	Mb.	%	%	oktas										
Jammu (x)	0300	1200																					
	1200																						
LAHORE																							
Lahore (P.B.O.)	0000	702	972.7		996.3	82.2	71.3	64.7	21.1		56		1.2		1	5	2	3	0	4	3	0	12
	0300		974.1	—0.4	997.5	89.4	74.7	66.6	22.7	+0.8	48	+1	0.7	—0.9	1	5	1	6	0	1	4	2	10
	1200		970.9		993.6	104.1	77.9	63.8	20.7		28		1.0		1	4	0	3	2	7	5	5	3
Lahore (Cantt.)	0000	709	971.7		995.7	82.3	70.9	64.1	20.6		54		1.8		1	0	3	4	0	5	2	2	13
	0300		973.5 (a)	—	997.1	89.6	73.2	63.7	20.4	—	43	—	1.3	—	0	6	0	5	2	7	4	2	4
	1200		970.3		993.2	103.8	76.3	60.3	18.5		25		1.6		0	2	2	3	5	5	3	8	2 (e)
Sialkot	0000	830	*		*	*	*	—	—		--		0.2		0	1	0	1	0	1	0	1	24
	0300		969.2	—1.3	997.0	89.5	73.0	61.6	20.3	—1.3	43	—5	1.1	—0.3	0	0	0	5	0	0	0	0 (c) 4	25
	1200		966.1		992.8	104.6	79.3	65.7	22.7		29		0.8		0	0	0	1	0	3	0		20
RAWALPINDI																							
Jhelum	0000	767	969.7		995.8	79.5	68.4	60.7	18.7		54		1.7		2	2	3	2	0	0	1	6	14
	0300		971.5	—	997.2	89.1	71.1	5.90	17.9	—	38	—	1.1	—	2	2	3	3	4	2	1	7	6
	1200		967.9		992.7	104.7	74.0	52.9	14.8		20		1.5		1	0	0	4	2	15	2	2	4
Chaklala	0000	1667	941.3		997.1	77.3	64.9	56.6	16.0		49		1.1		1	6	2	1	0	0	2	5	13
	0300		942.7	—	997.4	86.9	68.0	57.0	15.9	—	36	—	1.2	—	1	5	4	3	1	0	4	2	10
	1200		940.0		993.2	100.7	70.5	50.6	13.2		20		1.8		0	3	0	4	1	0	13	6	3
Rawalpindi	0000	1675	941.1		997.1	78.1	65.5	58.1	16.4		50		1.2		4	4	5	0	3	1	0	2	11
	0300		942.3	+0.8	997.0	89.3	69.4	57.1	16.4	—1.8	35	—2	1.1	—0.8	3	7	4	1	0	0	4	2	9
	1200		939.8		993.4	100.5	71.7	53.1	14.8		23		1.8		2	3	1	5	2	1	12	4	0
Campbellpur (R)	0300	1175																					
	1200																						
SARGODHA																							
Khushab	0000	616	975.0		995.8	83.0	*	—	—		—		0.8		0	2	6	0	1	0	1	1	19
	0300		976.5	—0.8	997.0	90.2	*	—	—		...		0.5	—0.8	0	7	7	1	2	1	0	0	12
	1200		973.5		993.4	105.5	*	—	—		...		0.7		0	1	11	5	5	4	0	0	4
Sargodha	0000	617	975.3		996.2	81.1	70.2	63.9	20.3		55		1.3		1	6	3	5	1	4	2	1	7
	0300		976.4	—	997.0	89.2	73.4	65.3	21.5	—	45	—	1.0	—	2	7	4	3	1	6	2	1	4
	1200		973.9		993.9	104.7	75.4	56.8	16.7		22		1.3		2	5	3	3	3	8	1	2	3
Mianwali	0000	679	*		*	82.6	*	—	—		—		0.1		1	0	0	0	0	0	0	0	29
	0300		*		*	89.7	*	—	—		—		0.0		1	0	0	0	0	0	0	0	29
	1200		*		*	105.5	*	—	—		—		0.7		0	2	0	0	1	1	2	1	23
Lyallpur	0000	605	975.4		995.8	83.7	69.8	60.9	18.6		47		0.8		1	4	1	2	0	3	0	1	18
	0300		976.9	+0.1	997.2	88.3	72.9	64.3	20.6	—0.8	45	—1	0.9	—0.9	1	4	2	1	1	4	5	3	9
	1200		974.3		993.9	105.2	75.2	56.1	16.2		21		0.5		1	2	1	2	1	8	5	3	7
MULTAN																							
Montgomery	0000	558	976.9		995.7	84.5	71.5	63.6	20.5		51		0.6		1	3	0	3	0	9	1	0	13
	0300		978.6	—0.2	997.2	89.8	74.4	66.4	22.0	—4.8	46	—11	0.9	—0.1	2	2	0	0	0	16	3	2	5
	1200		975.4		993.5	104.5	77.1	61.3	19.3		25		0.7		0	4	0	2	1	14	0	4	5
Multan P.B.O.	0000	404	981.5		995.2	86.2	71.9	63.5	20.9		47		0.7		3	1	0	0	17	3	0	1	5
	0300		983.1	—	996.2	89.8	74.3	65.7	21.9	—	46	—	0.6	—	4	1	1	1	16	5	0	0	2
	1200		980.1		993.1	107.3	75.5	55.4	15.6		19		1.2		2	1	3	2	14	4	0	0	4

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

(c) Data for 28 days

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF JUNE, 1962.

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 geopotential of 8,50,700 mbs. pressure level in G.p.m.	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
	GMT.	Ft.	Mb.	Mb.	Mb.	oF	oF	oF	Mb.	Mb.	%	%	oktas										
MULTAN—contd.																							
Multan (Surface)	0300	413	982.4	—0.8	996.2	89.6	75.9	68.7	24.3	—2.6	51	—5	0.6	—0.2	3	0	1	0	17	1	1	1	6
	1200		979.7		993.1	107.0	77.6	61.2	18.9		23		0.9		1	0	0	0	13	3	0	0	13
Leiah (*R*)	0000	487	(x)		(x)	(b) 76.2	(b) 64.6	56.1	15.6		51		0.5		2	0	2	2	11	7	0	4	(b) 1
	0300		(x)	—	(x)	(b) 91.3	(b) 77.0	69.4	25.2	—	50	—	0.7	—	2	1	2	3	11	5	0	3	(b) 2
	1200		(x)		(x)	107.4	*	—	—		—		1.3		2	3	1	3	12	5	1	2	1
BAHAWALPUR																							
Khanpur P.B.O.	0000	290	986.1		996.0	84.3	74.2	68.1	24.3		60		00		4	0	0	0	13	18	1	1	3
	0300		987.2	—	997.4	87.4	76.1	70.0	25.6	—	57	—	0.0	—	1	4	0	0	1	22	0	0	3
	1200		983.8		992.8	107.0	76.1	56.6	16.7		20		03		2	2	0	1	3	16	2	2	2
Bahawalpur	0300	384	985.2	+0.6	998.0	89.2	77.4	71.8	26.7	—1.3	56	0	02	—0.8	0	1	0	7	2	14	0	2	4
	1200		*		*	(c) 106.5	(f) 79.0	62.5	21.3		27		(c) 0.2		0	2	0	8	1	6	0	1	(c) 10
Fort Abbas	0000	475	980.8		996.7	8.66	73.9	67.0	22.8		53		0.0		1	2	2	1	8	14	2	0	2
	0300		(c) 982.0	—	(c) 997.9	91.3	76.4	68.4	24.3	—	48	—	0.0	—	1	2	2	0	5	15	4	0	1
	1200		978.5		993.7	106.5	(c) 78.1	(c) 61.2	19.9		25		0.1		2	1	1	1	6	8	8	1	2
PESHAWAR																							
Chakdara	0000	2197	922.8		995.8	74.8	60.5	49.5	12.2		42		0.6		24	0	3	0	0	0	0	0	3
	0300		924.2	—	996.5	81.2	64.3	52.2	13.7	—	37	—	0.5	—	15	0	1	0	1	0	0	0	13
	1200		921.2		991.2	97.6	69.3	50.2	12.9		22		0.4		11	0	0	1	2	0	0	0	16
Peshawar	0000	1177	956.8		996.2	80.3	65.0	52.9	14.1		40		1.6		2	1	2	9	3	1	2	2	8
	0300		958.4	—1.0	997.1	89.3	70.3	52.9	16.7	—0.2	35	—1	1.5	—0.2	4	2	3	5	0	1	1	4	10
	1200		955.4		993.3	101.1	72.0	51.1	13.7		20		3.2		3	10	6	1	2	4	2	1	1
Risalpur	0000	1047	960.8		995.8	79.1	65.6	55.6	15.5		45		2.3		1	3	0	3	0	1	7	1	14
	0300		962.7	—	997.2	88.7	68.6	53.9	14.8	—	32	—	1.6	—	0	1	2	2	1	5	7	3	9
	1200		959.4		993.0	103.8	71.7	47.5	12.2		16		2.5		1	3	2	1	0	2	15	4	2
Haripur	0300	1757	939.2	—	996.8	87.7	67.9	55.4	15.3	—	34	—	1.5	—	2	11	0	1	0	5	1	10	0
	1200		936.7		992.5	102.1	70.9	51.6	13.9		19		0.9		2	2	0	1	2	20	0	3	0
Kohat	0000	1683	941.1		997.0	81.2	65.0	53.8	14.5		40		1.3		6	3	0	1	0	1	1	10	8
	0300		942.6	—	997.7	89.1	68.1	54.6	15.0	—	32	—	1.2	—	7	3	0	0	0	0	0	10	10
	1200		940.5		994.3	100.0	70.0	49.6	12.8		19		2.8		3	4	3	3	0	4	3	2	8
D. I. KHAN																							
Bannu	0000	1263	953.2		995.3	81.4	68.1	58.7	17.5		47		0.3		0	1	1	0	0	0	0	0	28
	0300		(b) 954.6	—	(b) 996.1	89.8	72.1	60.0	18.9	—0.2	39	—3	0.7	—0.7	2	0	1	2	1	0	1	1	22
	1200		951.5		992.3	102.6	72.8	53.6	14.0		20		0.7		0	3	6	8	2	2	1	1	7
D.I. Khan	0000	570	(c) 975.9		(c) 995.1	82.5	72.5	66.8	22.7		60		0.7		0	5	0	1	0	0	0	0	24
	0300		977.5	—0.6	99.66	89.5	75.9	68.7	21.3	—1.2	51	—2	1.2	+0.1	0	9	0	1	0	0	0	0	20
	1200		974.5		992.9	105.5	80.4	68.4	23.0		31		1.0		0	8	0	5	0	0	0	0	17

(b) — Mean for 29 days
(c) — Mean for 28 days
(f) — Means for ..5 days

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

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF JUNE, 1962

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 geopotential of 850/700 mbs. pressure level in Gpm.	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										
QUETTA																							
Sibi	0000	441	*	—	*	93.4	74.8	64.6	21.0		46		0.0		0	0	0	2	0	1	0	7	20
	0300		981.8	—0.4	996.4	94.4	77.4	64.9	24.4	+3.4	47	+7	0.0	—0.5	1	1	0	8	4	1	1	10	4
	1200		978.4		992.1	113 3	*	*	*		*		0.5		0	1	0	9	8	4	1	7	0
KALAT																							
Nokkundi	0000	2229	926 0		999.8	79.8	*	*	*		*		0.0		11	4	1	0	0	0	0	14	0
	0300		927.6	—	1000.5	85.5	*	*	*	—	*	—	0.0	—0.6	11	0	4	0	0	0	3	11	1
	1200		924.6		995.3	102.6	*	*	*		*		0.0		12	0	0	0	0	2	5	11	0
Turbat	0000	510	982.2		999.1	84 9	72.8	64.2	22.2		52		0.2		0	2	1	2	1	5	11	1	7
	0300		983.9	—	1001.0	90.3	73.8	61.9	21.0	—	43	—	0.0	—	1	3	1	0	1	3	4	4	13
	1200		978.6		995.2	109.3	76.0	49 9	15 4		17		0.0		3	2	0	0	3	10	9	3	0
Jiwani	0000	185	993.5		999.5	82.2	79.6	78.6	33.3		89		2.0		0	0	2	2	8	5	3	1	9
	0300		994.9	—	1001.2	85.2	80.7	78.9	33.7	—	82	—	2.3	—	0	0	3	6	9	5	3	1	3
	1200		992.3		998.6	90.5	81.1	77.1	31.8		66		0.8	—	0	0	0	1	19	10	0	0	0
Pasni	0000	28	998.7		999.7	81.0	77.7	76.1	31.1		86		2.6		0	1	1	1	2	8	12	8	0
	0300		1000.0	+0.8	1001.0	84.9	79.4	76.5	31.8	—1.2	79	—4	3.1	+0.1	0	1	2	2	1	4	12	0	0
	1200		996.7		997.6	91.1	81.8	77.2	31.6		71		0.5		0	1	0	0	7	14	8		0
KARACHI																							
Ormara	0000	15	998.2		998.7	81.9	78.6	77.2	32.0		88		3.0		0	0	0	0	0	3	21	1	5
	0300		999.6	—	1000.1	86.0	80.0	75.8	32.3	—0.8	77	—7	3.4	—0.3	0	0	1	0	0	1	20	0	8
	1200		996.7		997.2	91.6	81.8	76.9	32 2		66		1.2		0	0	0	0	0	5	21	4	0
Lasbela	0000	292	*		*	85.0	78.9	72.5	30.9		68		2.0					*		—			
	0300		*	—	*	87.0	80.4	75.1	3.24	+1.7	65	—10	2.0	—1.1				*					
	1200		*		*	102.9	86.0	76.6	34.2		42		0.8		0	0	0	11	2	8	0	0	9
Karachi (Manora)	0000	13	998.1		998.6	80.1	74.5	71.7	26.5		76		6.1		0	0	0	0	0	6	21	0	3
	0300		999.6	—0.1	1000.0	81.6	76.0	73.3	28.1	—5.4	76	—7	5.5	+1.0	0	0	0	0	0	6	23	0	1
	1200		997.7		998.1	88.2	81.0	77.4	30.0		73		4.5		0	0	0	0	1	11	18	0	0
Karachi (Mauripur)	0000	52	997.3		999.1	83.0	79.6	78.2	33.0		85		3.1		0	0	0	0	0	9	18	1	2
	0300		998.4	—	1000.2	85.2	80 1	77.9	32.7	—	80	—	4.3	—	0	0	0	0	0	10	17	3	0
	1200		996.3		997.9	89.9	81.4	77.7	32.9		70		3.0		0	0	0	0	0	17	13	0	3
Karachi (City)	0300	20	998.7	—	999.5	85.5	80.1	78.1	33.9	—	78	—	5.4	—	*	—	—	—	*	—	—	—	*
	1200		996.6		997.2	88.5	80.4	77.7	32.4		70		4.9		*	—	—	—	*	—	—	—	*
Karachi (Air Port)	0000	73	996.7		999.2	83.2	79.9	86.1	33.3		86		3.3		0	0	0	0	0	11	16	1	2
	0300		998.0	—	1000.5	85.7	80.4	78.1	33.9	—	79	—	4.6	—	0	0	0	0	0	11	17	1	1
	1200		995.6		998.1	90.2	81.7	69.1	33.1		69		3.9		0	0	0	0	0	19	11	0	0
Gadap (R)	0300																						
	1200																						
HYDERABAD																							
Dadu	0000																						
	0300																						
	1200																						

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

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF JUNE, 1962.

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. at geopotential of 8,370 mbs. pressure level in G.p.m.	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
HYDERABAD—contd.	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb	Mb.	%	%	oktas										
Mithi	0000	96	996.5		999.5	84.6	83.5	83.2	46.1		95		0.0		0	0	0	0	0	22	0	0	8
	0300		997.3	—	1000.7	86.7	82.4	80.1	44.6	—	82	—	0.2	—	0	0	0	0	0	25	0	0	5
	1200		994.3		997.0	98.9	82.2	74.1	40.1		49		0.0		1	0	0	0	0	27	0	1	1
Nagarparker	0000	178	993.8		999.8	83.3	77.4	74.4	29.9		74		1.7		0	0	0	0	0	19	0	3	8
	0300		994.5	—	1000.6	85.6	78.7	75.0	30.2		73		4.1	—	0	0	1	0	0	18	4	8	0
	1200		990.7		996.9	100.6	79.4	68.2	24.9	—	42		1.5		1	0	0	0	1	17	1	9	1
Umerkot	0000	55	996.2		997.9	81.	77.9	76.1	30.9		86		5.0		0	0	0	0	2	28	0	0	0
	0300		997.4	—	998.3	86.2	79.6	76.6	31.5	—	73	—	6.5	—	0	0	0	0	7	23	0	0	0
	1200		995.0		995.7	103.4	79.7	67.9	23.8		34		6.4		0	0	0	0	4	21	4	1	0
Chhor	0000	19	997.6		998.3	81.8	77.6	75.8	30.3		82		1.7		0	0	0	0	2	24	0	0	4
	0300		998.7	—	999.4	85.8	79.6	76.7	31.6		74		2.3		0	0	0	0	3	27	0	0	0
	1200		995.1		995.5	101.4	79.1	67.3	23.9		36		0.7		0	0	0	0	1	26	3	0	0
Hyderabad	0000	98	994.2		997.6	83.2	77.4	74.7	29.7		75		1.7		0	0	0	0	5	22	1	0	2
	0300		995.5	+0.1	998.9	86.5	78.3	74.7	29.3	+1.2	69	+4	2.1	+0.1	0	0	1	0	5	22	1	0	1
	1200		992.8		996.1	99.6	78.2	66.1	23.2		36		1.0		0	0	0	0	4	72	0	0	4
Badin	0000	31	998.1		999.0	82.1	78.2	76.3	31.2		83		0.0		0	0	0	0	0	30	0	0	0
	0300		999.9	+1.1	1001.0	86.0	79.8	77.4	32.0	+1.0	76	+3	0.0	—3.1	0	0	0	0	0	30	0	0	0
	1200		997.2		998.1	98.4	80.8	73.0	27.4		45		0.0		0	0	0	0	0	30	0	0	0
KHAIRPUR																							
Padidan	0000	153	990.3		995.5	82.8	72.2	66.0	21.5		58		0.0		1	0	0	17	7	3	1	0	1
	0300		991.7	—	987.0	88.3	75.4	68.5	25.2	—	53		0.0	—	0	0	0	18	5	3	2	0	2
	1200		988.7		993.6	110.5	74.8	48.9	13.1		15		0.0		4	0	1	9	10	1	2	3	0
Nawabshah (R)	0000	124																					
	0300																						
	1200																						
Sukkur	0300	221	989.6	—0.5	997.0	87.7	76.6	70.6	25.2	—3.3	59	—8	0.2	—0.3	2	2	0	2	10	12	0	1	1
	1200		986.1		993.3	108.5	77.8	59.1	18.6		23		0.4		1	1	1	2	7	14	1	3	0
Kashmore	0000	225	*		*	96.2	84.5	80.4	35.3		60		0.0		*				*				*
	0300		*	—	*	98.8	86.2	81.3	37.0	—	57		0.4		*				*				*
	1200		*		*	*	*	*	*		*		0.0		0	3	0	0	11	0	1	1	14
Jacobabad	0000	183	989.7		995.6	87.2	78.5	74.2	29.5		66		0.1		1	0	4	10	10	1	1	2	1
	0300		991.3	+0.3	997.2	90.8	80.0	75.8	30.2	—1.1	63	0	0.4	—0.2	0	1	3	16	6	1	0	2	1
	1200		987.6		993.4	110.8	83.2	69.2	26.2		30		0.1		4	1	2	9	6	5	0	3	0
JUNAGARH																							
Veraval	0300	26	(e) 1003.8	—	(e) 1004.8	*	*	*	*	—	*		4.1	—	0	0	0	0	(e) 1	5	20	0	0
	1200		(k) 1002.1		(k) 1003.1	86.8	80.7	77.9	33.1		75		4.0		1	1	0	0	1	(k) 9	7	0	1
ARABIA																							
Muscat (S)	0300																						
	1200																						

(*) Data rejected.

(s) Observations suspended.
(R) Data not received.

(e) Data for 21 days.
(k) Data for 20 days.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF JUNE, 1962

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 geopotential of 850/700 mbs. pressure level in Cipm.	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
	GMT.	Ft.	Mb.	Mb.	Mb.	oF	oF	oF	Mb	Mb.	%	%	oktas										
HILL STATIONS																							
KASHMIR																							
Srinagar (X)	0000																						
	0300																						
	1200																						
Gulmarg (X)	0300	—																					
	1200																						
Gurez (X)	0300	—																					
	1200																						
Sonamarg (X)	0300																						
	1200																						
Dras (X)	0300																						
	1200																						
Kargil (X)	0300																						
	1200																						
Leh (X)	0000	—																					
	0300																						
	1200																						
Skardu	0000	7250	772.7		1396.8	58.3	47.8	37.3	7.6		45		2.4		0	0	1	0	1	5	6	0	17
	0300		773.4	—	1390.6	68.2	52.7	38.9	7.8	—2.8	34	—20	2.7	+0.1	0	0	5	1	0	1	3	0	20
	1200		770.1		1335.7	77.9	53.2	26.5	5.0		17		3.5		0	0	0	2	7	7	8	1	5
Misgar	0000	10190	*		*	47.7	38.8	28.9	5.3		47		3.1		5	7	2	0	1	2	4	6	3
	0300		698.8	—	3089.2	55.1	43.7	31.0	6.2	—	41	—	3.1	—	6	5	6	3	1	0	3	5	1
	1200		697.0		3066.5	64.5	46.0	26.4	4.8		24		4.1		1	4	3	13	0	0	5	3	1
Aliabad (X)	0300	—																					
	1200																						
Gilgit	0000	4789	846.9		1428.3	61.4	54.3	47.9	11.5		63		3.1		0	1	1	0	0	1	5	2	20
	0300		848.0	—	1438.9	73.3	59.4	48.2	11.7	—	41	—	3.3	—	1	1	3	1	0	0	6	1	17
	1200		844.0		1394.6	87.1	60.9	36.4	7.7		17		4.9		1	1	8	3	1	1	9	0	6
RAWALPINDI																							
Murree	0000	7113	779.4		1423.6	63.1	52.4	41.8	9.6		48		2.2		1	4	0	7	0	4	0	11	3
	0300		780.5	—1.0	1424.9	70.3	55.7	43.6	9.9	—2.3	39	—13	2.1	—0.1	1	2	4	4	0	1	8	2	8
	1200		779.7		1407.3	77.0	59.3	46.3	10.9		34		3.6		1	3	2	2	0	1	11	10	0

(x) Data not available.
* Data rejected.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF JUNE, 1962

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 geopotential of 850/700 mbs. pressure level in Gpm.	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
PESHAWAR	G.M.T.	F.T.	Mb.	Mb.	Mb.	°F	°F	°E	Mb.	Mb.	%	%	oktas										
Drosh P.B.O.	0000	4806	847.2		1436.5	71.0	60.2	52.1	13.4		52		1.3		0	6	0	2	0	1	0	0	21
	0300		848.2	—0.4	1445.2	76.7	63.8	55.0	15.1	+1.7	47	—3	1.4	+0.4	0	0	6	3	0	0	0	0	21
	1200		844.6		1406.2	88.9	69.6	57.4	16.8		36		4.2		0	3	0	1	0	14	4	0	8
Cherat	0000	4272	*		*	76.9	*	—	—		—		*		0	11	3	0	0	1	0	15	0
	0300		*	—	*	79.1	*	—	—	—	—	—	*	—	0	17	2	0	0	0	0	11	0
	1200		*		*	89.4	*	—	—		—		*		0	16	8	0	0	1	0	5	0
Kakul	0000	4214	863.3		1417.5	71.9	58.7	47.8	11.5		44		1.7		9	5	4	2	2	1	1	5	1
	0300		864.2	—	1427.5	78.0	62.3	50.6	12.8	—	39	—	1.6	—	10	0	2	0	1	2	5	10	0
	1200		862.5		1412.3	88.5	64.7	46.2	11.2		24		2.3		3	3	1	1	1	9	9	3	0
Balakot	0000	3226	(x)		(x)	74.7	63.4 (l) (k)	51.6 (l) (k)	15.4		52		1.4		6	4	0	2	0	1	0	10	7
	0300		(x)	—	(x)	77.6	63.0 (l)	54.0 (l)	13.7	—	43	—	1.2	—	3	4	0	1	1	0	0	3	18
	1200		(x)		(x)	91.6	66.5	49.6	12.0		24		2.7		3	1	0	6	1	2	0	3	14
Landikotal	0000	3503	883.4		1401.2	75.4	63.8	55.7	15.5		51		0.9		0	1	0	0	0	7	0	0	22
	0300		884.3	—	1414.9	82.5	67.8	59.0	17.3	—	46	—	1.2	—	0	1	0	0	0	15	0	0	14
	1200		882.9		1402.5	92.7	74.7	65.6	22.0		42		2.8		0	0	0	20	0	5	0	0	5
Parachinar	0000	5673	*		*	*	*	—	—		—		2.4		0	0	0	0	0	0	0	0	30
	0300		820.2	—1.3	1421.6	70.5	58.7 (b)	49.4 (b)	12.6	+0.6	49	+6	0.8	—0.6	0	0	0	0	0	0	0	0	30
	1200		819.1		1399.9	83.4	61.5	44.4	10.8		27		5.1		0	2	0	17	0	1	0	0	10
D. I. KHAN																							
Miranshah	0000	3026	*		*	*	*	—	—		—		0.7		0	11	0	0	0	0	0	0	19
	0300		*	—	*	83.7	*	—	—	—	—	—	0.4	—0.6	0	6	0	0	0	0	0	0	24
	1200		*		*	96.7	*	—	—		—		2.3		0	18	3	1	0	0	0	1	7
Wana	0300	4503	*	—	*	78.1	62.4	50.1	12.9	—0.3	40	—3	0.5	—0.5	0	1	0	0	0	1	0	0	28
	1200		*		*	92.7	67.3	47.9	12.5		24		2.1		0	7	4	6	0	3	0	1	9
QUETTA																							
Fortsandeman (P.T.)	0300	4614	853.3	+1.0	1439.2	81.5	69.9	59.1	10.9	—1.9	49	—5	0.0	—0.7	1	1	0	0	0	1	1	0	26
	1200		851.5		1431.3	94.8	64.1	36.2	8.0		15		1.3		2	2	5	5	2	4	4	2	4
Fortsandeman (P.B.O.)	0000	4615	851.6		1421.2	73.6	59.3	47.1	11.1		38		0.2		0	4	0	3	3	2	0	1	17
	0300		852.8	—	1433.1	81.3	61.8	44.9	10.3	—	30	—	0.1	—	1	4	0	0	1	8	6	1	9
	1200		849.6		1401.7	94.5	64.5	38.2	7.3		16		2.2		0	3	3	4	0	2	7	9	2
Hindubagh	0000	5909	*		*	71.9	61.0	55.4	14.7		54		0.0		0	0	0	0	0	4	23	1	2
	0300		813.8	—	1417.7	76.7	61.2	51.7	12.9	—	42	—	0.0	—	0	0	0	0	0	5	17	0	8
	1200		811.3		1380.6	89.6	66.5	52.3	13.5		31		0.6		0	0	1	0	0	7	18	3	1
Loralai ("R")	0000	4699																					
	0300																						
	1200																						
Harnai	0000	2861	x		x	82.2	63.0	46.1	11.0		31		0.0		3	0	0	1	1	0	0	8	17
	0300		x	—	x	88.5	67.2	49.6	13.1	—	30	—	0.3	—	3	3	0	0	0	0	0	11	13
	1200		x	—	x	100.4	71.3	46.9	13.0		19		1.2		2	0	1	8	8	2	1	7	1
Quetta (Samungli)	0000	5213	834.5		1430.9	60.2	46.3	29.4	5.8		34		0.0		0	2	9	9	2	0	2	0	6
	0300		835.7	—	1439.8	71.1	52.2	33.5	6.5	—	26	—	0.0		0	0	2	4	1	4	4	2	13
	1200		833.3		1408.8	89.6	56.9	19.5	4.1		9		0.3		0	0	0	0	0	5	19	6	0

(R) Register not received.

* Data rejected.

(x) Data not available.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF JUNE, 1962

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 geopotential of 850/700 mbs. pressure levels in Gpm.	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: Relative humidity.	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
	G.M.T.	Ft.	Mb.	Mb.	Mb.	oF	oF	oF	Mb.	Mb.	%	%	oktas										
Quetta (P.T.)	0300	5490	826.8	—1.0	1431.2	72.7	59.4	49.2	12.5	—2.9	44	—10	0.0	—0.5	0	0	0	0	2	1	0	4	23
	1200		826.4		1418.1	88.4	63.0	44.7	10.5		23		0.2		0	0	0	0	1	3	9	13	4
Quetta (P.B.O.)	0000	5560	825.4		1441.2	63.3	47.8	26.0	5.8		29		0.0		0	0	0	0	0	0	0	1	29
	0300		825.8	—	1440.2	77.1	56.1	32.2	7.9	—	24	—	0.0	—	3	0	5	0	3	3	0	1	15
	1200		824.3		1417.6	89.4	59.0	30.9	6.1		14		0.3		0	0	0	0	0	5	13	10	2
Chaman	0000	4311	860.3		1420.0	72.4	53.9	34.1	6.7		26		0.0		0	0	22	5	2	1	0	0	0
	0300		861.2	—0.4	1426.7	79.6	57.7	36.5	7.5	—3.3	21	—7	0.0	—0.4	0	0	16	5	5	2	2	0	0
	1200		859.1		1406.3	95.4	66.1	44.1	10.0		17		0.2		0	0	0	0	2	6	22	0	0
Nushki	0000	3416	894.1		14802	77.3	56.1	32.4	6.9		23		0.0		0	0	9	0	1	0	0	2	18
	0300		893.9	—	1483.2	82.9	60.4	39.0	8.8	—	23		0.1	—	2	0	9	0	0	2	0	6	11
	1200		891.0		1465.9	98.6	66.5	38.1	9.2		15		0.2		0	0	0	0	0	0	22	3	5
Dalbandin	0000	2788	907.8		1416.4	74.5	56.5	38.9	8.3		28		0.1		2	1	2	0	0	10	8	1	6
	0300		909.3	+0.9	1438.1	80.9	59.7	40.7	8.9	—2.0	25	—3	0.1	—0.5	1	4	0	1	0	10	4	3	7
	1200		906.3		1431.4	102.5	69.9	46.1	11.7		17		0.4		2	1	1	3	0	8	4	11	0
KALAT Division																							
Kalat	0000	6616	793.8		1432.5	58.3	44.8	28.4	5.3		31		0.0		0	0	0	2	18	0	2	6	2
	0300		795.1	—0.7	1434.2	71.3	54.8	40.6	8.8	—1.9	34	—6	0.0	—0.5	3	0	2	2	14	0	4	3	2
	1200		793.1		1403.1	83.4	58.9	40.9	8.2		22		0.0		3	0	1	0	0	2	7	17	1
Panjgur (P.B.O.)	0000	3180	896.2		1426.0	75.1	62.0	52.1	13.7		46		0.3		1	2	0	0	0	1	0	7	19
	0300		897.4	—	1442.0	80.5	63.8	51.2	13.4	—	40	—	0.1	—	3	4	0	0	0	3	1	8	11
	1200		894.4		1429.0	98.9	72.2	56.5	16.1		25		0.7		8	0	0	0	0	3	0	15	4

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF JUNE, 1962

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
CHITTAGONG																					
Rangamati	88.3		96	3,4	77.1		72	3	31.16		13.08	10	17		x		10	0	0	0	0
Cox's Bazar (P.T)	86.1	—0.2	92	4	76.0	—0.4	72	12,13	42.56	+11.42	5.90	12	21	+1.9	x		7	0	0	0	0
Chittagong (P.B.O) ("R")																					
Chittagong (P.T)	85.6	—1.3	92	3,4	76.9	+0.1	73	10,11,13	28.84	+7.85	12.05	10	21	+4.3	x		6	0	0	0	0
Maijdee Court ("R")																					
Comilla("R")																					
Brahmanbaria	87.3	—2.9	95	5	77.3	+2.7	70	1	15.16	+0.61	2.33	12	19	+3.0	3.8		12	0	0	0	0
Sylhet (P.B.O)	86.3		95	5	76.7		72	28	39.26		7.92	27	21		x		12	0	0	0	0
Srimongal	89.5	—0.4	95	5	76.1	+0.6	71	1	28.61	+9.75	3.44	1	20	—0.1	3.6	+0.4	0	0	0	0	0
DACCA																					
Mymensingh	87.8	0. 0	96	5,11	77.0	+0.1	70	1	18.14	+0.54	5.20	28	13	—4.8	x		8	0	0	0	0
Jamalpur ("R")																					
Narayanganj	89.1	—0.1	97	5	78.8	+0.7	74	1	11.36	—1.03	1.47	9	16	+1.5	4.7	+0.4	8	0	0	0	0
Dacca (Tejgaon)	87.6		95	5	78.6		72	1	7.50		1.20	14	11		x		10	0	0	0	0
Faridpur ("R")																					
KHULNA																					
Barisal ("R")	88.7	—0.1	94	5	78.4	+0.1	73	14	13.50	—2.55	2.80	9	19	+2.3	x		3	0	0	0	0
Khulna	88.8	—1.8	94	2,4	78.6	—0.3	73	18	14.42	+1.96	3.98	10	13	—1.7	1.9	—2.0	0	0	0	0	0
Satkhira	90.1	—1.7	99	2	78.0	—0.8	72	11	13.23	+1.03	3.39	19	17	+3.3	1.5	—1.4	4	0	0	0	0
Jessore (P.T) ("R")																					
RAJSHAHI																					
Pabna ("R")																					
Ishurdi	88.9		96	5	77.0		72	13	12.39		3.98	25	15		x		9	0	0	0	0
Sirajganj	88.6		96	5	76.5		72	1,13	8.21	—4.11	2.14	25	13	—1.3	2.1		1	0	0	0	0
Rajshahi ("R")																					
Bogra (P.B.O)	89.2	—0.6	94	5,6	77.9	—0.7	72	1	8.81	—4.23	2.64	25	13	—1.5	2.6	+0.5	6	0	0	0	0
Dinajpur	90.1	+0.6	94	5 days	76.9	—0.4	71	1,2	7.55	—5.09	1.81	26	11	—3.1	x		4	0	0	0	0
Rangpur	88.4		95	4.56	77.2		73	1	18.25	+0.47	4.40	28	18	+2.3	2.8		3	0	0	0	0
KASHMIR																					
Jammu(x)																					
LAHORE																					
Lahore (P.B.O.)	106.1	+0.2	115	8	81.1	+2.1	72	2	0.00	—1.64	000	—	0	—2.8	3.4	+1.2	3	0	0	3	5
Lahore Cantt.	105.7	—	114	8,9	81.5	—	71	1	0.07	—	0.07	25	0	—	5.2	—	3	0	0	3	2
Sialkot	106.7	+1.7	115	8,9,10	79.6	—0.7	70	1,13	2.48	+099	1.85	24	3	—0.5	(*)	—	0	0	0	0	3
RAWALPINDI																					
Jhelum	107.0	—	117	9	77.7 (c)	—	69	1	3.14	—	1.06	25,27	3	—	3.5	—	5	0	0	0	5
Chaklala	102.5	—	113	10	75.3	—	66	1.26	2.06	—	1.05	13	3	—	5.1	—	8	0	0	0	1
Rawalpindi	104.3	+0.8	115	10	76.4	+0.5	65	13	1.66	—0.65	0.89	13	2	—1.3	3.4	+1.3	3	0	0	0	3
Campbellpur (R)																					

(b) Data for 29 days.
(i) Data for 22 days

'R' — Register not received.

(x) Data not available.

(*) Data rejected.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION WIND, VELOCITY AND WEATHER DURING THE MONTH OF, JUNE 1962

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	19		20	21	22
SARGODHA																					
Khushab	108.4	+1.8	117	9	(b) 80.9	−1.4	74	1,15	0.13	−1.28	0.13	30	1	−1.3	5.0	0.0	3	0	0	0	5
Sargodha	107.8	—	117	9	(c) 79.1	—	72	1	0.20	—	0.22	30	1	—	6.2	—	5	0	0	0	5
Mianwali	108.9	—	116	8,9	79.7	—	71	6,8,13	0.00	—	0.00	—	0	—	(x)	—	0	0	0	0	1
Lyallpur	106.4	+0.4	115	8	82.4	+0.7	72	14	0.47	−0.75	0.37	14	2	−0.1	2.9	+0.1	4	0	0	1	6
MULTAN																					
Montgomery	106.9	−0.9	116	8	82.3	−1.0	72	2	0.33	−0.65	0.33	30	1	−0.6	(x)	—	3	0	0	0	4
Multan (P.B.O.)	109.5	—	117	8,9	84.3	—	78	1,2	0.00	—	0.00	—	0	—	6.2	—	3	0	0	2	1
Multan (surface)	109.1	+2.5	118	8	85.5	+0.7	78	29	0.00	−0.55	0.00	—	0	−1.0	2.1	−0.2	0	0	0	0	1
Leiah	111.9	—	118	4 day	*	—	—	—	0.39	—	0.39	16	1	—	(x)	—	0	0	0	0	2
BAHAWALPUR																					
Khanpur (P.B.O.)	108.9	—	115	8,11	82.6	—	76	2	0.00	—	0.00	—	0	—	6.3	—	0	0	0	5	2
Bahawalpur	(c) 107.3	+0.9	117	9	84.1	+0.6	78	4	0.00	−0.28	0.00	—	0	−0.6	5.1	+0.6	0	0	0	0	5
Fort Abbas	108.6	—	116	8,9	83.8	—	73	18	0.00	—	0.00	—	0	—	5.9	—	0	0	0	0	5
PESHAWAR																					
Chakdara	101.8	—	113	12	71.0	—	61	21	0.34	—	0.21	21	2	—	(x)	—	4	0	0	0	0
Peshawar	104.9	−0.1	113	9,10	(b) 78.8	+1.6	70	13,15,30	0.04	−0.27	0.03	30	0	−0.9	3.2	+1.0	8	0	0	0	8
Risalpur	107.0	—	116	9	76.5	—	68	13	2.51	—	1.73	30	2	—	3.9	—	9	1	0	0	5
Haripur	104.3	—	114	10,11	74.6	—	65	2	2.12	—	1.20	26	3	—	5.5	—	1	0	0	6	1
Kohat (P.F.)	104.9	—	113	9	79.4	—	64	13	1.46	—	0.72	13	3	—	5.9	—	12	0	0	0	4
D. I. KHAN																					
Bannu	105.0	−1.1	114	9	77.6	−2.1	69	1	0.34	−0.57	0.12	30	2	−0.5	2.3	—	0	0	0	0	3
D. I. Khan	107.6	−0.2	116	9	80.1	−0.7	76	1	0.10	−0.51	0.10	3	1	−0.3	1.8	0.0	0	0	0	0	0
QUETTA Division																					
Sibi	114.9	+2.2	123	10	90.4	+2.9	81	4	0.00	−0.30	0.00	—	0	−0.5	4.3	−0.6	0	0	0	0	0
KALAT Division																					
Nokkundi	103.8	−5.5	113	7,8,11	76.3	−5.5	69	13,20	0.00	0.00	0.00	—	0	0.0	x	—	0	0	0	0	0
Turbat	112.9	—	120	20	x	—	x	—	0.00	—	0.00	—	0	—	x	—	0	0	0	3	0
Jiwani	94.0	—	103	4,5	81.3	—	79	6,15	0.00	—	0.00	—	0	—	9.1	—	0	0	0	0	0
Pasni	95.4	+1.6	111	3	80.5	+2.0	78	4,5	0.00	−0.26	0.00	—	0	−0.2	11.4	+4.8	0	0	0	5	1
KARACHI Division																					
Ormara	94.8	+2.1	112	5	81.6	−0.4	79	6	0.00	0.03	0.00	—	0	−0.2	11.7	+2.9	0	0	0	6	0
Lasbela	108.3	+2.7	116	1,4	83.3	+2.9	69	30	0.00	−0.42	0.00	—	0	−1.2	x	—	0	0	0	0	0
Karachi (Manora)	89.5	−0.9	99	4	79.1	−3.2	76	2,7	0.00	−0.72	0.00	—	0	−0.6	x	—	0	0	0	0	0
,, (Mauripur)	93.1	—	109	4	82.5	—	78	4	0.00	—	Tr	9	0	—	x	—	0	0	0	0	0
,, (City)	92.0	—	108	4	82.9	—	77	4	0.00	—	0.00	—	0	—	x	—	0	0	0	0	0
,, (Airport)	94.3	—	110	4	81.4	—	77	4	0.00	—	Tr	5 days	0	—	13.0	—	0	0	0	0	0
Gadap (R)																					

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

(*) Data rejected

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF JUNE, 1962.

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
HYDERABAD Division																					
Dadu (R)																					
Mithi	102.4	—	114	3	81.5	—	79	16	0.00	—	0.00	—	0	—	5.7	—	0	0	0	0	0
Nagarparker	102.0	—	108	6,9.15	*	—	—	—	0.00	—	0.00	—	0	—	x	—	0	0	0	0	0
Umerkot	105.5	—	115	1	81.4	—	78	16	0.00	—	0.00	—	0	—	x	—	0	0	0	0	0
Chhor	103.4	—	113	2	81.4	—	78	4,16	0.00	—	0.00	—	0	—	7.8	—	0	0	0	0	0
Hyderabad	104.5	0.0	112	5,6	82.7	+0.7	79	4	0.00	—0.39	0.00	—	0	—0.6	10.9	+1.1	0	0	0	3	0
Badin	103.2	+2.2	116	3,4	81.7	—0.3	79	17	0.00	—0.65	0.00	—	0	—0.8	x	—	0	0	0	0	0
KHAIRPUR Division																					
Padidan	112.1	—	119	12	80.7	—	74	2,3	0.00	—	0.00	—	0	—	7.3	—	0	0	0	0	0
Nawabshah (R)																					
Sukkur	110.1	+1.0	118	11	83.2	—0.2	80	16,18	0.00	—0.14	0.00	—	0	—0.5	x	—	0	0	0	1	0
Kashmore	*	—	—	—	*	—	—	—	0.00	—	0.00	—	0	—	x	—	0	0	0	0	0
Jacobabad	112 3	—1.6	121	9	85.5	+0.6	81	10,30	0.00	—0.26	0.00	—	0	—0.3	4.5	—1	0	0	0	0	0
JUNAGARH Division																					
Veraval	x	—	x	—	x	—	x	—	x	—	x	—	—	—	x	—	0	0	0	0	0
ARABIA (S)																					
Muscat																					
HILL STATIONS																					
KASHMIR																					
Srinagar (x)																					
Gulmarg (x)																					
Gurez (x)																					
Sonamarg (x)																					
Dras (x)																					
Kargil (x)																					
Leh (x)																					
Skardu	82.0	+0.7	93	12	56.9	+0.8	47	2	0.13	—0.11	0.10	15	1	+0.3	5.0	+1.1	2	0	0	0	0
Misgar	67.8	—	79	11,12	46.3	—	38	2	0.17	—	0.17	21	1	—	4.2	—	0	0	0	0	0
Aliabad (x)																					
Gilgit	90.8	—	104	12.	59.8	—	50	4	0.18	—	0.08	14	0	—	3.7	—	1	0	0	0	3
... ...																					
RAWALPINDI																					
Murree	80.3	—0.4	89	9	59.6	—0.9	53	1	3.52	—0.46	1.59	13	5	—0.8	6.7	+2.7	8	1	0	0	0
PESHAWAR																					
Drosh	95.7	+3.8	105	11	69.5	+1.0	58	4	0.81	+0.16	0.43	30	2	0.0	3.8	+0.1	12	1	0	0	0
Cherat	94.4	+1.2	105	12	*	—	—	—	1.00	—0.14	1.00	13	1	—1.0	*	—	2	0	0	0	0
Kakul	92.7	—	102	9	69.9	—	60	13,15	1.56	—	0.97	13	4	—	(x)	—	12	0	0	0	2
Balakot	96.0	—	104	9,10	71.7	—	58	1	3.03	—	1.19	13	5	—	3.9	—	0	0	0	0	0
Landikotal	96.5	—	104	9,11	71.7	—	60	30	0.51	—	0.40	30	1	—	(x)	—	8	0	0	4	0
Parachinar	87.5	—0.2	96	9	63.1	—0.6	55	2	2.64	+0.64	0.95	13	5	+0.5	2.3	—0.1	0	0	0	0	0

* Data rejected.
x Data not available.
(c) Mean for 28 Days.
(d) Mean for 27 Days.
(R) Register not received.
(S) Observations suspended
(i) Data for 22 days.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF JUNE 1962

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.	Visibility Code Figure 93 or less: Haze (dust).	Visibility Code Figure 93 or less: Dust Storm.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
D. I. KHAN																					
Mianshah...	100.1	+1.2	108	9,10,12	75.2	—1.9	56	28	0.78	—0.13	0.53	27	2	+0.4	2.4	—2.8	0	0	0	0	0
Wana	97.3	+2.7	105	12	67.1	—1.2	57	2	2.15	+1.72	1.50	30	3	+1.5	2.6	—	2	0	0	0	1
QUETTA																					
Fortsandeman (P.T)	97.9	—1.3	105	11	73.4	+0.5	63	14	1.03	+0.39	0.60	14	2	+0.7	x	—	7	0	0	0	1
Fortsandeman (P.B.O.) ...	97.3	—	105	12	72.0	—	63	14	1.15	—	0.65	24	2	—	4.0	—	7	0	0	0	1
Hindubagh	91.4	—	97	12,13,19	68.6	—	61	2	0.00	—	0.00	—	0	—	6.9	—	0	0	0	1	0
Loralai (R)																					
Harnai	102.2	—	110	11,12	79.5	—	73	2	0.25	—0.50	0.25	20	1	—0.5	x	—	0	0	0	0	0
Quetta (Samungii)	94.2	—	97	8,12	57.3	—	47	3	0.00	—	0.00	—	0	—	5.1	—	0	0	0	0	0
Quetta (P. T)	89.8	—	95	12,20	57.4	—	48	4	0.00	—	0.00	—	0	—	2.2	0.0	0	0	0	0	0
Quetta (P.B.O.)	91.4	—	97	12	62.0	—	49	1	0.00	—	0.00	—	0	—	3.4	—	0	0	0	0	0
Chaman	96.3	—2.5	102	12	67.3	—4.9	63	3,14	0.00	—0.02	0.00	—	0	—	x	—	0	0	0	0	0
Nushki	101.3	—	108	4 days	75.2	—	69	2,13	0.00	—	0.00	—	0	—	x	—	0	0	0	0	0
Dalbandin	104.0	—3.3	111	12	71.6	—1.4	63	15	0.00	—0.01	0.00	—	0	0.0	5.5	+0.7	0	0	0	4	0
KALAT DIVISION																					
Kalat	87.5	—2.8	93	2	55.5	—2.2	42	4	0.00	—0.19	0.00	—	0	—0.4	x	—	0	0	0	0	0
Panjgur (P.B.O.)	100.8	—	107	8,11,12	73.2	—	65	15,16	0.01	—	0.01	30	0	—	7.0	—	0	0	0	1	1

(x) Data not available.

(R) Register not received.

PAKISTAN WEATHER REVIEW, 1962

MONTHLY WEATHER REPORT

JULY

(PUBLISHED BY THE AUTHORITY OF THE GOVERNMENT OF PAKISTAN)

Chief Features:

1. Formation of a depression in the north Bay of Bengal and of a deep depression in the eastern sector of the north Arabian Sea.

2. Floods in Cox's Bazar sub-Division of East Pakistan towards the end of the month following heavy rains in the province during the third week.

3. Locally heavy rain in Lahore, Rawalpindi and Peshawar divisions during the second fortnight.

East Pakistan:

The Monsoon remained generally weak and only scattered to local rain fell over the province during the first week of the month. Thereafter, two easterly low pressure waves moved into the north Bay of Bengal. The first one moved away westwards after causing scattered to local rainfall in Rajshai, Khulna and Chittagong divisions between the 7th and 9th. The second concentrated into a depression centred at 0300 hours GMT on the 11th near latitude 19° N and longitude 86½° E. The depression moved in a northwesterly direction, crossed coast and was centred next morning about 100 miles west of Gopalpur. It then moved away rapidly in a westnorthwesterly direction, weakened and ultimately merged into the seasonal trough by the 14th morning. Except for local to fairly widespread rain that fell in its association in Chittagong and Dacca divisions on the 10th and 11th, monsoon continued to remain week over the region during the second week also when mainly scattered rain or thundershowers occurred in the region outside Rajshahi division. The third low presure wave that entered the North Bay of Bengal on the 15th, developed into a well marked low by next morning and slowly moved away westwards to west Uttar Pradesh by the 18th. In its wake monsoon became active over the region and generally fairly widespread rain fell in the province between the 15th and 19th. The falls were locally moderate to heavy in Chittagong division during the first four days and in Rajshahi division only on the 18th. Outstanding amounts of rainfall recorded were Chittagong 5" on the 14th; Comilla 4" and Dacca 3" on the 15th; Maijdee Court 3" on the 16th and Comilla on the 17th; Sirajganj 6" Brahmanbaria and Srimangal 5" each, Pabna and Bogra 4" each, Comilla and Mymensingh 3" each on the 18th. The monsoon again weakened consequent upon the passage of another easterly low pressure wave, as a result which only scattered to local thunder-rain was experienced in the coastal areas of the province on the 20th. This wave also developed into a well-marked low pressure area over the northwest Bay of Bengal during the next 24 hours and caused mainly scattered to local rainfall in the province till the 22nd. As it moved away westwards, monsoon again became active and caused generally fairly widespread rainfall in the province between the 22nd and 29th. The falls were locally moderate to heavy in Chittagong division on the 24th, 25th and 28th, in Dacca division on the 25th and 28th and in Khulna division only on the 25th. Outstanding amounts of rain were Cox's Bazar and Chittagong 4" each and Maijdee Court 3" on the 24th; Cox's Bazar 5", Faridpur, Barisal and Satkhira 4" each and Chittagong 3" on the 25th; Chittagong 4" on the 26th; Cox's Bazar 3" on the 27th and Maijdee Court 5", Comilla 4" and Mymensingh 3" on the 28th. According to the newspaper reports, these heavy downpours caused devastating floods in Cox's Bazar sub-Division where 400 houses were reported to have collapsed. During the last two days of the month monsoon gradually slackened following the development of an upper air cyclonic circulation over the north Bay of Bengal. As a result only local rain fell in the province on these days.

The total rainfall during the month was in slight defect over the region outside Chittagong division where it was normal. Averaged over the region as a whole, it was in slight defect.

The mean maximum temperature was normal in Chittagong and Rajshahi divisions and normal elsewhere. The mean minimum temperature was normal over the region.

The mean relative humidity was normal over the region and so was the cloudiness.

West Pakistan:

The chief features of the month was the formation of a deep depression in the eastern sector of the North Arabian Sea on the 9th consequent upon the rapid intensification of a well-marked low pressure area which moved from the east to Kutch and Saurashtra on the 8th. The deep depression was centred at 0300 hours GMT on the 9th near latitude 21½°N and longitude 69°E. It moved northwestwards and weakened into a depression by the evening of 10th centred near latitude 22°N and longitude 67°E. It further weakened into an extended low pressure area lying over Kutch and adjoining areas of the Arabian Sea on the 11th morning. This low pressure area persisted for another two days when a fresh surge of the Arabian Sea monsoon resulted in its revival and re-intensification into a depression. It lay at 0300 hours GMT of the 13th with its centre close to Jamnagar. Moving westnorth-westwards it lay near latitude 23°N and longitude 68°E on the next morning and started weakening rapidly thereafter and became unimportant by the 17th. In association with this depression and the west-northwestwards passage of another depression from the Bay of Bengal during the second week, monsoon established itself over West Pakistan. It was active and caused fairly widespread rain or thundershowers in Lahore division on the 9th and 10th and in Lahore and Rawalpindi divisions on the 12th and scattered to local otherwise over the province frequently during the socond week and the early part of the third week. Noteworthy amounts of rainfall during this period were Lahore 2" on the 12th and Umerkot 3" on the 14th. However, earlier during the month a western disturbance which had started affecting the region at the end of the previous month moved away across the northern areas of the province by the 2nd. Thereafter, the seasonal trough of low pressure which extended from Kalat division to D.I. Khan division and remained well marked till the 8th. In their association scattered to local dust and thunderstorms or showers occurred practically throughout the northern and central divisions on the 1st, in Peshawar, Rawalpindi and D. I. Khan divisions on the 2nd, in Lahore, Rawalpindi, Multan, Bahawalpur, Peshawar and Quetta divisions on the 3rd and in Rawalpindi Bahawalpur, Peshawar and Multan division on the 4th, local thunderstorms or showers in Rawalpindi and Peshawar divisions on the 8th scattered in Lahore division on the 6th and 7th, in Multan and Peshawar divisions respectively on the 5th and 7th and in Sargodha and D. I. Khan divisions on the 8th. At the end of the second week a well marked easterly low pressure wave moved to Lahore division on the 21st. It recurved and moved away northeastwards the next day. Under its influence monsoon again strengthened and caused local to widespread rain or thundershowers in Lahore, Rawalpindi, Peshawar and Sargodha divisians and scattered to local in the rest of the province excluding the southern areas practically throughout the period between the 19th and 22nd. Scattered rain also fell in Rawalpindi, Peshawar, D. I Khan, Quetta and Khairpur divisions on the 23rd Locally moderate to heavy falls were reported from Rawalpindi division on the 20th, 21st and 22nd, from Lahore division on the 21st and from Peshawar division on the 21st and 22nd. Noteworthy amounts of rainfall recorded were at Montgomery and Haripur 4" each; Lahore and Kakul 3" each and Murree and Cherat 2" each on the 21st and Cherat 4", Murree 3" and Campbellpur, Chakdara and Kakul 2" each on the 22nd. According to the newspaper reports more than a dozen houses collapsed in Lahore due to the heavy downpours. Towards the end of the month a well-marked low pressure area moving westwards from the northwest Bay of Bangel caused monsoon activity to increase over the province between the 26th and the 31st. As a consequence fairly widespread rain or thundershowers occurred in Rawalpindi and Peshawar divisions on the 27th and 28th and only in Rawalpindi division on the 31st and scattered to local otherwise in the northern divisions and in Quetta division during the last six days of the month. The outstanding amounts of rainfall were Rawalpindi 2" on the 28th and Sialkot 3" on the 29th.

The total rainfall during the month was in slight excess in Multan division, normal in Lahore, Rawalpindi, Bahawalpur, Peshawar, Quetta and Karachi divisions, moderate defect in Sargodah, D. I. Khan and Hyderabad division and in large defect elsewhere.

Averaged over the region as a whole it was in slight defect.

The mean maximum and the mean minimum temperatures were normal everywhere except in Karachi and Hyderabad divisions where the mean maximum temperature was above normal.

The mean relative humidity was in defect in Rawalpindi and Quetta divisions and normal elsewhere.

The skies were less clouded in Hyderabad division more clouded in Multan, Bahawalpur, and Khairpur divisions and normally elsewhere.

Table I contains the divisional means of rainfall, temperature, relative, humidity and the cloud amount for the 18 chief political divisions of Pakistan. These means are based on the Observaions at the Stations whose monthly mean are given in the subsequent tables.

TABLE I.—DIVISIONAL MEANS FOR JULY 1962.—*contd.*

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
EAST PAKISTAN	"	"	"		°	°	mb	%	
Chittagong	19 42	21.69	—2.27	—10	+1.2	+1.0	+2.0	—1	—0.4
Dacca	12.40	14.49	—2.09	—14	+2.3	+0.9	+1.2	—3	—0.4
Khulna	12.92	14.91	—1.99	—13	+2.1	+1.3	+1.4	—3	—0.1
Rajshahi	11.50	14.02	—2.52	—18	+1.3	0.0	+0.9	—3	—0.4
Mean	1.45	1.67	—0.22	—13	+1.7	+0.8	+1.4	—2	—0.3
WEST PAKISTAN									
Kashmir (x)									
Lahore	7.31	6.90	+0.41	+6	+0.8	+0.6	—0.2	—1	—0.2
Rawalpindi	9.98	10.23	—0.35	—3	+0.3	+1.3	—0.7	—8	—0.1
Sargodha	1.85	3.38	—1.53	—45	—0.6	+0.3	+1.3	—4	—0.5
Multan	2.74	2.21	+0.53	+24	+0.5	—0.6	—2.7	—5	+0.6
Bahawalpur	2.33	2.44	—0.11	—5	+1.8	*	—2.1	—4	+0.7
Peshawar	2.45	2.25	+0.20	+9	—0.3	—1.5	—1.0	—1	+0.4
D. I. Khan	1.19	1.95	—0.76	—39	+0.4	—0.9	—0.7	—3	—0.1
Quetta	1.26	1.39	—0.13	—9	+0.8	+0.7	—2.4	—8	—0.1
Kalat	0.00	0.47	—0.47	—100	—1.3	+0.2	—1.1	—5	+0.5
Karachi	1.95	1.93	+0.02	+1	+2.7	—0.9	—0.7	—5	+0.3
Hyderabad	1.83	3.47	—1.64	—47	+2.3	+0.3	+0.7	0	—0.9
Khairpur	0.52	1.19	—0.67	—56	+1.1	+1.4	—0.4	—3	+0.9
Mean	1.81	2.23	—0.42	—19	+0.4	+0.1	—1.0	—4	+0.1
Junagadh (x)									

(x) Data not available.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF JULY, 1962

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 geopotential of 850/700 mbs. pressure level in Gpm.	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
	GMT	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb	Mb.	%	%	oktas										
CHITTAGONG																							
Rangamati	0000	208	994.9		1002.2	79.5	76.9	75.8	30.4		91		5 8		1	0	0	0	28	1	1	0	0
	0300		995.6		1002.6	85.5	79.9	77.3	32.3		77		5.5		2	0	0	1	28	0	0	0	0
	1200		992.8		999.8	84.4	79 7	77.3	32.5		81		6.4		1	0	0	0	27	2	0	1	0
Cox's Bazar (P.T.)	0000	38																					
	0300		1000.6	−0.7	1001.9	82.6	79.7	78.3	33.4	+1.5	87	−1	5.0	−1.5	0	0	1	8	14	7	1	0	0
	1200		998.3		999.4	82.1	79.5	78.1	33.2		89		5.1		0	0	0	9	14	5	3	0	0
Chittagong (PBO)	0000	19	1000.0		1000.7	79.1	78.1	77.7	32.4		95		6.6		0	0	3	19	2	0	0	0	7
	0300		1001.0		1001.7	83.5	79.8	78.3	33.1		85		6.2		0	0	3	20	5	0	0	0	3
	1200		998.3		999.0	83.6	80.6	79.5	34.3		87		6.9		0	0	0	8	13	6	3	0	1
Chittagong (PT)	0000	46																					
	0300		999.7	−1.2	1001.5	82.8	78.3	76.5	32.2	+1.0	81	−5	6.0	−0.3	0	0	4	21	4	1	0	0	1
	1200		996.9		998.5	82.6	78.8	77.5	31.9		84		6.7		0	0	0	9	12	6	3	0	1
Maijdi Court (R)	0000	25																					
	0300																						
	1200																						
Comilla	0000	29	999.3		1000.3	79.1	78.2	78.0	32.5		96		6.3		0	0	0	0	24	0	0	0	7
	0300		1000.5	−0.5	1001.5	84.6	80.7	79.3	34.1	+1.9	84	—	6.5	+0.7	0	0	0	0	22	0	0	0	9
	1200		997.0		998.0	85.7	81.2	77.3	34.3		82		5.6		0	0	0	0	18	0	0	0	15
Brahmanbaria	0000	32	999.0		1001.1	80.4	78.9	78.2	33.0		93		5.1		1	0	0	16	12	1	0	0	1
	0300		1000.1		1001.2	84.6	80.7	78.7	34.4	+3.6	83	+2	5.2		3	0	0	12	15	0	0	0	1
	1200		996.9		998.0	85.8	80.6	78.9	33.9		81		4.9		0	1	0	7	14	2	2	2	3
Sylhet (PBO)	0000	115	996.6		1000.5	79.3	77.9	77.6	32.0		94		6.9		1	1	11	4	2	0	1	0	11
	0300		997.5		1001.4	84.1	80.0	78.1	33.1		82		6.6		0	0	14	3	8	1	0	1	4
	1200		994.0		997.9	85.7	80.6	78.8	33.5		80		6.0		0	2	2	6	2	0	9	1	9
Srimangal (R)	0000	77																					
	0300																						
	1200																						
DACCA Division																							
Mymensingh	0000	62	998.0		1000.1	81.1	79.1	78.3	33 0		92		5.6		0	0	0	8	0	0	0	0	23
	0300		999.4	−0 3	1001.5	83.7	80.5	79.0	34.1	+1.6	86	−1	6.1	−0.8	0	0	0	14	0	0	3	0	14
	1200		996.0		998.1	86.1	81.4	79.3	34.5		81		6.1		0	0	1	14	0	1	1	0	15
Jamalpur (R)	0000	63																					
	0300																						
	1200																						
Narayangan	0000	26	998.9		999.8	81.5	79.6	78.7	33.7		91		7.1		0	0	1	16	8	3	0	0	3
	0300		999.6	−0.9	1000.5	85.6	80.8	79.0	33.7	+0.8	81	−4	7.0	0.0	0	0	2	18	8	0	1	0	2
	1200		996.6		997.5	86.3	80.9	78.5	33.6	.	78		6.3		0	0	0	12	15	2	0	0	2
Dacca (Tejgaon)	0000	27	998.2		999.1	80.6	79.2	78.6	33.5		94		6.8		0	0	1	8	8	2	0	0	12
	0300		999.1		1000.0	84.0	80.4	78.9	33.8		85		6.7		0	1	2	11	12	1	0	0	4
	1200		996.1		997.0	85.7	80.5	78.4	33.2		79		5.5		0	0	1	9	11	2	1	0	7

(R) Register not received.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDD AT FIXED HOURS DURING THE MONTH OF JULY, 1962.

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 geopotential of 2,50,700 mils. pressure level in Gpm.	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
	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	ok tas										
DACCA—*contd.*																							
Faridpur (R)	0000	46																					
	0300																						
	1200																						
KHULNA																							
Barisal	0000	11	999.5		999.9	81.5	79.5	78.8	33.5		92		5.9		0	0	9	0	2	0	0	0	20
	(a)0300		1000.0	—0.7	1000.4	85.3	80.8	79.1	34.9	+1.8	83 (a)	—4	5.7 (a)	—0.6	0	0	7	10	8	0	1	0	4
	1200		997.6		998.0	86.1	80.8	79.1	33.5		80		5.6		0	0	4	7	9	0	4	0	7
Khulna (R)	0000	16																					
	0300																						
	1200																						
Satkhira	0000	16	998.8		999.4	81.2	80.0	79.5	34.4		94		6.1		0	0	0	2	0	0	0	0	29
	0300		1000.0	+0.5	1000.5	85.6	81.4	79.6	34.7	+1.0	83	—2	6.3	+0.4	0	1	0	4	5	0	0	0	21
	1200		997.7		998.2	85.4	81.2	79.3	34.5		82		5.6		0	0	0	1	2	1	0	0	27
Jessore (PT) (R)	0000	26																					
	0300																						
	1200																						
RAJSHAHI																							
Pabna (R)	0000	48																					
	0300																						
	1200																						
Ishurdi	0000	—	—	—	—	80.0	79.2	78.9	33.7		97		6.9		1	1	8	15	2	3	1	0	0
	0300		—	—	—	84.3	81.0	79.6	34.7		86		7.0		0	1	3	17	5	3	2	0	0
	1200		—	—	—	85.5	81.4	79.8	34.7		84		6.5		1	0	11	13	3	2	0	1	0
Sirajgonj	0000	51	997.7		999.4	81.1	79.8	79.2	34.1		94		5.5		0	0	0	10	0	0	0	0	21
	0300		998.6		1000.3	84.0	80.8	79.4	34.5		87		6.0		0	0	0	13	6	1	0	0	11
	1200		995.4		996.9	86.0	81.8	80.4	35.2		84		4.8		0	1	0	5	5	0	0	0	20
Rajshahi (R)	0000	73																					
	0300																						
	1200																						
Bogra	0000	65	996.9		999.1	80.8	79.3	78.8	33.5		94		6.3		0	1	5	8	4	0	1	0	12
	0300		997.9	—0.7	1000.1	84.8	81.0	79.4	34.4	+1.2	84	—1	6.8	+0.5	0	1	5	12	5	2	0	1	5
	1200		994.7		996.9	86.5	81.3	79.2	34.2		80		6.0		0	1	3	17	2	0	0	0	8
Dinajpur	0000	123	994.3		999.0	81.1	79.4	78.4	33.5		93		5.7		0	0	5	1	0	0	0	0	25
	0300		995.7	—0.8	999.9	84.9	80.4	78.4	33.4	+0.6	82	—4	4.9	—1.3	0	0	6	0	0	0	0	0	25
	1200		992.2		996.4	88.0	81.8	79.6	34.3		77		4.6		0	0	8	0	0	0	6	0	23
Rangpur (R)	0000	113	996.2		1000.1	80.8	79.6	79.3	34.0		95		5.7		1	2	18	1	1	0	0	0	8
	0300		997.2		1001.0	84.4	80.9	79.5	34.4		85		5.3		0	1	16	13	1	0	0	0	0
	1200		993.5		997.3	86.6	81.5	79.5	34.4		80		4.9		0	0	6	16	3	0	0	0	6

(R) Register not received.

(a) Mean for 30 Days

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF JULY 1962.

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: Departurre from normal.	Mean Pressure: Reduced to standard temperature and M.S.L. or geopotential of 850/700 mbs. pressure level in Gpm	Mean Temperature of the Air and Humidity: Dry bulb.	Wet bulb.	Dewpoint.	Vapour pressure.	Departurre 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
	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas										
KASHMIR																							
Jammu (X)	0300	1200																					
	1200																						
LAHORE																							
Lahore (PBO)	0000	702	972.4		996.0	83.5	77.8	75.1	29.9		76	0	2.8		0	2	6	5	0	0	1	1	16
	0300		974.0	0.0	997.5	86.6	78.5	74.8	29.6	+0.2	69		2.6	+0.1	0	3	1	10	1	2	1	0	13
	1200		970.8		993.8	96.9	80.4	72.7	27.9		47		2.7		0	1	4	6	2	4	2	4	8
Lahore Cantt.	0000	709	971.6		995.5	83.3	77.8	75.2	30.0		77		3.4		0	3	5	9	0	0	1	2	11
	0300		973.4	—	997.2	86.1	78.2	74.5	29.4	—	68	—	3.3	—	3	3	1	9	0	4	1	0	10
	1200		970.2		993.5	86.1	80.2	73.1	27.9		48		3.0		1	2	3	4	2	7	1	3	8
																					(b)		
Sialkot	0000	830	(c) 967.0		(c) 995.4	(b) 82.5	(b) 76.2	(b) 73.1	28.0		73		(c) 2.2		0	6	0	3	0	0	0	1	19
	0300		969.5	—0.5	997.2	85.4	78.3	74.6	29.3	—0.6	73	—2	2.7	—0.5	0	4	0	6	1	0	0	1	19
	1200		966.2		993.3	95.6	81.0	73.9	29.4		52		2.3		0	1	1	6	1	2	0	0	20
RAWALPINDI																							
Jhelum	0000	767	970.1		996.0	84.1	75.3	72.4	26.2		74		3.4		2	2	6	6	0	0	0	3	12
	0300		971.4	—	997.1	87.1	77.0	72.1	21.7	—	61	—	3.1	—	3	1	2	11	4	2	3	2	3
	1200		967.9		993.1	97.0	79.3	70.6	26.1		33		2.8		2	0	1	11	5	7	3	0	2
Chaklala	0000	1667	941.4		996.9	79.6	72.8	69.3	24.7		72		3.6		1	4	4	2	0	0	0	3	17
	0300		942.5	—	997.4	85.0	74.4	69.2	24.8	—	60	—	2.7	—	1	4	6	7	1	0	2	0	10
	1200		939.4		993.2	94.7	76.2	66.5	23.3		41		2.3		0	3	2	6	6	1	9	1	3
Rawalpindi	0000	1675	941.1		996.9	79.7	73.6	69.7	25.8		75		3.5		0	6	5	0	0	0	1	1	19
	0300		942.1	—0.2	997.0	86.8	76.0	71.1	26.3	—0.2	60	—6	2.7	—0.7	1	5	7	3	3	0	2	1	9
	1200		939.0		993.0	95.3	77.7	69.4	25.2		45		2.3		1	2	6	8	2	2	8	2	0
Campbellpur	0300	1175	956.9	—	995.9	85.4	75.1	69.7	25.1	—	60	—	2.3	—	0	1	0	6	0	0	0	0	24
	1200		953.0		990.8	100.0	79.0	67.5	24.3		37		2.7		0	1	1	7	1	6	0	3	12
SARGODHA																							
Khushab	0000	616	975.2		995.9	85.0	*	—	—		—		1.5		0	3	9	2	0	0	1	0	16
	0300		976.3	—0.4	996.9	89.1	*	—	—	—	—	—	1.9	—0.6	0	5	16	4	0	2	0	0	4
	1200		793.1		993.2	100.5	*	—	—		—		1.5		1	1	7	11	5	3	1	0	2
Sargodha	0000	617	975.1		995.8	83.7	77.0	73.9	28.7		72		3.1		2	5	11	2	0	3	0	1	7
	0300		976.3	—	996.9	87.2	78.2	73.9	28.9	—	65	—	2.5	—	1	8	11	4	1	3	1	0	2
	1200		973.4		993.6	99.1	79.7	70.0	25.8		40		2.4		1	6	9	7	0	3	1	1	3
			(a)		(a)																		
Mianwali	0000	679	971.3		994.0	85.3	77.6	74.4	28.8		70		0.5		0	1	0	0	0	0	0	0	30
	0300		(a) 972.7	—	(a) 995.3	90.3	78.6	76.5	28.1	—	58	—	1.2	—	0	0	0	0	0	0	0	0	31
	1200		970 2		991 6	101.0	81.2	72.2	27.3		40		1.3		0	0	0	5	1	2	0	1	22
Lyallpur	0000	605	975.3		995.6	84.2	77.6	74.5	29.3		73		1.7		0	4	1	4	0	1	0	0	21
	0300		276.8	+0.3	997.0	86.9	78.5	74.7	29.5	+1.3	67	+4	2.8	—0.4	0	3	1	4	1	2	3	1	16
	1200		973.8		993.6	99.5	80.5	71.5	26.9		42		3.0		0	4	2	8	2	2	2	0	11
MULTAN																							
Montgomery	0000	558	976.4		995.2	83.9	76.9	73.6	28.7		72		1.6		0	3	0	1	1	6	0	3	17
	0300		978.1	0.0	996.8	87.9	78.7	74.6	29.8	—1.9	66	—4	2.0	+0.1	0	2	1	3	0	12	1	0	12
	1200		974.9		993.1	99.1	81.3	73.5	29.1		45		1.8		0	2	3	3	1	1	1	1	19
Multan P..B.O.	0000	404	981.3		994.9	86.2	76.9	72.4	27.4		63		2.8		1	0	2	2	13	1	1	0	11
	0300		982.6	—	996.2	89.5	78.3	73.0	27.9	—	58	—	2.7	—	1	1	5	0	14	3	0	1	6
	1200		979.5		992.6	102.8	79.9	68.8	24.5		34		3.3		3	4	2	3	8	8	1	1	1

(a) — Mean for 30 days.
(b) — Mean for 28 days.
(c) — Mean for 29 days.

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

(R) — Register not received.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF JULY, 1962.

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 geopotential of 850/700 mbs. pressure level in Gpm.	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: Relative humidity.	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										
MULTAN—*contd.*																							
Multan (Surf).	0300	413	982.1	—0.4	995.9	88.9	78.7	74.1	28.9	—3.5	26	—6	2.9	+1.1	2	0	4	0	16	0	0	0	9
	1200		978.9		992.3	102.7	80.4	70.0	25.2		35		2.7		1	0	4	0	15	1	0	0	10
Leiah	0000	487	*		*	83.4	72.3	66.7	22.1		56		1.7		2	3	1	5	10	3	0	6	1
	0300		*	—	*	92.3	79.6	73.1	28.8	—	55	—	1.6	—	2	5	0	6	9	1	0	3	3
	1200		*		*	102.9	*	—	—		—		1.8		6	1	5	0	10	2	0	5	2
BAHAWALPUR																							
Khanpur P.B.O.	0000	290	985.2		995.4	83.8	77.0	73.9	28.6		71		3.0		3	2	0	0	4	17	0	1	4
	0300		986.2	—	996.2	87.7	78.4	74.1	29.0	—	64	—	2.0	—	0	2	1	1	2	21	1	0	3
	1200		982.7		992.2	102.3	80.0	69.1	24.8		35		3.0		2	6	0	0	4	12	3	1	3
Bahawalpur	0300	384	*	—	*	89·0	79.3	75.1	29.8	—2.1	64	—4	2.9	+0.7	0	0	1	8	1	9	1	0	11
	1200		*		*	101.7	83.0	75.5	29.5		44		2.0		0	4	0	1	1	8	0	0	20
Fort Abbas	0000	475	980.0		996.1	85.4	77.4	73.4	28.5		68		0.1		0	3	4	2	9	6	4	0	3
	0300		981.2	—	997.1	88.6	79.1	74.7	29.7	—	65	—	0.1	—	3	2	3	0	10	5	6	1	1
	1200		977.5		992.7	102.8 (a)	80.5	70.1	25.4		36		0.3		4	2	5	1	8	5	4	0	2
PESHAWAR																							
Chakdara	0000	2197	*		*	76.3	68.9	64.2	21.0		67		1.0		16	0	0	0	0	0	1	0	14
	0300		923.0	—	995.1	81.1	71.1	66.2	21.9	—	60	—	0.9	—	8	0	2	0	2	0	0	0	19
	1200		919.1		989.7	94.3	76.5	67.6	23.9		44		0.8		12	0	0	0	3	0	0	0	16
Peshawar	0000	1177	956.6		995.9	81.6	72.8	67.7	23.5		64		2.9		4	4	0	0	1	0	2	12	8
	0300		958.0	—0.3	997.0	86.5	75.0	68.7	24.4	—1.0	57	—1	2.5	—0.3	9	1	0	1	2	0	1	8	9
	1200		953.9		992.0	98.4	77.1	65.5	22.1		36		3.4		5	12	3	2	2	6	1	0	0
Risalpur	0000	1047	960.6		995.4	82.1	73.0	67.9	23.7		63		3.2		2	5	12	3	1	0	1	1	6
	0300		962.1	—	996.8	87.2	75.0	68.2	24.1	—	55	—	2.5	—	1	1	6	7	0	1	3	1	11
	1200		957.9		991.6	~~10.4~~ 101.4	77.9	65.4	21.9		32		3.1		1	4	9	1	2	2	6	1	5
Haripur	0300	1757	938.7	—	996.4	85.8	73.9	68.0	23.7	—	56	—	2.7	—	8	4	4	2	1	4	1	7	0
	1200		935.6		991.9	97.2	77.0	67.3	23.4		39		1.8		1	0	0	4	10	13	2	1	0
Kohat	0000	1683	941.0		996.9	80.5	70.6	64.9	21.5		60		2.0		0	1	0	4	0	0	1	9	16
	0300		942.4	—	997.6	86.9	73.5	66.5	22.7	—	51	—	2.4	—	2	3	2	3	1	2	0	8	10
	1200		939.1		993.3	95.9	75.3	64.4	21.6		38		3.6		1	2	0	3	3	2	8	3	9
D. I. KHAN																							
Bannu	0000	1263	952.7		994.8	83.3	74.4	68.9	25.0		64		2.4		0	0	1	1	0	0	0	0	29
	0300		954.0	—	995.9	89.2	76.2	69.2	24.9	—1.6	53	—5	2.0	—0.1	0	0	0	2	0	0	0	0	29
	1200		950.8		991.5	99.6	77.1	64.6	21.6		33		3.3		1	2	5	4	3	0	1	0	15
D. I. Khan	0000	570	(a) 976.4		(a) 995.6	83.6	76.1	72.4	27.4		69		0.0		0	1	1	0	0	0	0	1	29
	0300		977.2	—0.1	996.3	88.6	79.0	74.5	29.5	—1.4	65	—4	1.8	—0.2	1	13	1	0	0	0	0	0	16
	1200		973.7		992.3	102.7	80.5	69.6	25.4		36		2.0		0	5	2	1	1	1	0	0	21

(a) — Mean for 30 days.

(*) — Data not received
(X) — Data not available

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 Observation From:—								
			Station level reduced to standard temperature and gravity.	Departure from normal.	Reduced to standard temperature and M.S.L. or geopotential of 850/700 mbs. pressure level in Gpm.	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										
QUETTA																							
Sibi	0000	441	980.8		995.7	90.0	77.1	70.3	25.8		54		1.6		1	0	0	1	0	0	0	2	27
	0300		981.3	+0.4	996.2	90.8	77.7	73.1	26.8	+0.3	55	0	0.7	−0.9	1	4	0	11	4	5	1	1	4
	1200		978.3		992.4	106.9	78.4	65.2	20.3		27		0.9		1	2	0	10	13	5	0	0	9
KALAT																							
Nokkundi	0000	2229	922.3		994.8	87.0	65.5	50.7	12.7		30		*		15	1	0	0	0	0	0	14	1
	0300		923.7	—	995.6	90.7	68.5	54.2	14.8	−2.4	30	−8	*		15	1	2	0	0	0	0	11	2
	1200		921.2		991.4	104.9	69.0	35.7	9.2		09		*		14	2	0	0	0	1	1	13	0
Turbat	0000	510	980.0		997.1	84.8	*	*	*		*		3.2		1	1	0	0	4	9	15	1	0
	0300		981.4	—	998.5	87.6				—			3.3		0	0	0	1	2	11	14	3	0
	1200		977.7		994.6	104.5							2.0		0	0	0	1	5	16	7	2	0
Jiwani	0000	185	991.2		997.5	82.2	78.5	77.0	31.6		84		0.5		0	0	1	4	6	10	0	1	9
	0300		992.3	—	998.6	84.1	79.0	77.2	31.6	—	79	—	0.5		1	1	5	8	6	8	0	0	2
	1200		989.8		996.0	87.5	80.4	77.3	32.3		73		0.3		0	0	1	3	20	7	0	0	0
Pasni	0000	28	996.5		997.5	82.2	79.0	77.7	32.5		86		5.6		1	2	3	2	2	8	9	4	0
	0300		997.5	−0.5	998.4	84.0	79.7	78.0	32.8	+0.2	82	−2	6.2	+1.2	0	2	3	1	3	8	9	5	0
	1200		994.8		995.7	88.3	80.9	77.5	32.1		72		5.6		0	1	2	2	7	12	7	0	0
KARACHI																							
Ormara	0000	15	996.6		997.4	81.7	80.0	79.2	34.1		92		5.7		0	0	0	1	1	4	19	0	6
	0300		997.3		997.8	84.2	80.6	78.0	34.0	+2.4	80	−3	6.2	+0.5	0	1	0	0	0	3	20	0	7
	1200		994.9		995.4	89.1	81.5	78.5	33.2		70	%	3.6		0	0	2	0	1	10	16	1	1
Lasbela (R)	0000	292																					
	0300																						
	1200																						
Karachi (Manora)	0000	13	996.1		996.6	80.3	75.8	73.6	28.4		80		6.5		1	2	0	0	0	5	15	0	8
	0300		997.4	−1.1	997.9	81.4	76.5	74.3	28.9	−3.9	79	−7	6.3	+0.2	2	1	1	0	1	5	16	1	4
	1200		995.2		995.7	87.5	81.1	78.4	31.7		75		6.1		0	0	2	1	0	12	14	1	1
Karachi (Mauripur)	0000	52	995.0		996.8	82.4	79.1	77.7	32.7		86		4.6		0	3	2	0	1	7	15	3	0
	0300		996.2	—	998.0	83.7	79.7	77.8	32.8		83	—	6.3	—	0	4	1	0	0	6	17	2	1
	1200		994.0		995.8	87.9	81.2	78.5	33.4		73		5.5		0	2	1	0	2	16	9	1	0
Karachi (City)	0300	20	997.2	—	998.0	84.1	79.5	74.4	33.5	—	81		5.4		*	*	*	*	*	*	*	*	*
	1200		994.8		995.4	87.4	80.8	72.9	36.6		74		5.6		*	*	*	*	*	*	*	*	*
Karachi (Airport)	0000	73	994.5		997.1	82.3	79.1	77.9	39.5		87		5.4		1	1	0	0	0	6	17	3	3
	0300		995.8	—	998.3	84.1	79.7	77.8	32.7	—	81	—	6.1		0	2	0	0	0	4	18	1	6
	1200		993.3		995.8	88.3	80.8	77.5	32.5		72		5.5		0	1	2	0	0	15	12	1	0
Gadap (R)	0300		*	—	*	(h) 83.4	(h) 77.0	(h) 73.6	(h) 28.8	—	(h) 73	—	(h) 7.5		0	5	1	0	(h) 0	7	10	0	0
	1200		*	—	*	(h) 86.7	(h) 78.3	(h) 74.3	(h) 29.2		(h) 68		7.0		0	4	0	0	(h) 0	9	10	0	0
HYDERABAD																							
Dadu (R)	0000																						
	0300																						
	1200																						

(h) — Data for 23 days.

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

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF JULY, 1962.

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 geopotential of 8,500,700 mbs. pressure level in Gpm.	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 OBSERVATION 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										
HYDERABAD—*contd.*																							
Mithi	0000	96	994.3		997.5	84.3	83.0	82.5	37.9		95		0.0		0	0	0	0	0	11	0	0	20
	0300		995.3	—	998.3	85.0	81.3	79.7	34.9	—	84	—	3.2	—	0	0	2	0	1	15	0	0	13
	1200		991.8		994.8	95.2	82.7	77.5	32.5		59		4.0		0	1	4	2	0	18	1	1	4
Nagar Parker	0000	178	*		*	82.5	78.0	76.0	30.7		81		4.5		0	1	0	1	1	9	3	1	15
	0300		991.0		997.0	84.1	79.1	75.9	31.6		77		5.1		2	0	0	4	3	5	12	2	2
	1200		988.6		994.8	93.0 (a)	81.9	74.4	32.3		59		4.3		1	0	0	4	2	7	11	4	2
Umerkot	0000	55	99.41		996.0	81.9	77.9	76.1	30.9		84		6.1		1	2	0	1	3	20	0	0	3
	0300		995.4	—	997.2	81.7	79.2	76.6	33.0		76	—	6.7	—	0	1	3	2	7	18	0	0	0
	1200		992.4		994.1	96.2	82.1	76.8	33.3		55		6.5		1	0	2	3	2	20	3	0	0
Chhor	0000	19	995.5		996.2	81.7	77.8	73.0	37.7		83		4.2		0	1	0	0	2	15	0	0	13
	0300		99.68	—	997.4	84.9	79.3	77.0	31.6	—	78	—	4.9	—	0	1	1	1	5	16	0	0	7
	1200		993.4		994.0	95.2	81.8	76.3	31.0		55		4.0		1	0	2	2	3	20	1	0	2
Hyderabad	0000	98	992.5		995.9	82.7	77.3	75.4	29.7		79		7.6		2	0	1	0	3	20	0	0	1
	0300		993.7	—0.4	997.1	85.4	78.1	75.5	29.6	+0.8	73	+2	4.7	+1.2	1	0	3	2	2	21	0	0	2
	1200		991.0		994.3	95.6	80.3	73.5	30.9		51		3.6		1	1	3	1	3	20	0	0	2
Badin	0000	31	996.0		997.1	81.9	77.7	75.8	30.4		82		1.3		0	2	0	0	0	25	0	0	4
	0300		997.5	+0.4	998.4	84.6	79.2	76.7	32.1	+0.7	77	—2	20	—2.9	0	2	0	0	0	25	0	0	4
	1200		994.9		996.0	95.8	81.2	74.8	29.3		52		2.5		0	1	0	0	0	26	0	1	3
KHAIRPUR																							
Padidan	0000	153	989.2		994.3	83.0	77.3	74.0	28.7		74		2.1		1	1	0	20	6	0	0	1	2
	0300		990.7	—	995.9	86.6	78.3	74.6	28.6	—	68	—	2.4	—	0	3	1	24	1	0	1	0	1
	1200		987.5		992.5	103.9	80.0	68.3	23.5		35		2.1		3	0	2	4	13	1	1	3	4
Nawab Shah (R)	0000																						
	0300																						
	1200																						
Sukkur	0300	221	988.3	—0.6	995.8	87.8	79.1	75.2	30.0	—1.4	68	—7	2.6	+0.9	1	2	0	3	12	9	0	0	4
	1200		984.8		992.0	104.3	83.3	74.7	28.3		40		3.6		2	2	0	5	11	11	0	0	0
Kashmore	0000	225	x		x	92.9	82.4	78.2	33.6		62		1.4		*	*	*	*	*	*	*	*	*
	0300		*	—	*	95.8	83.9	79.1	34.9	—	59	—	1.3	—	*	*	*	*	*	*	*	*	*
	1200		*		*	119.1	92.5	83.7	39.3		36		2.3		0	6	0	0	0	0	2	0	23
Jacobabad	0000	183	988.1		994.2	87.5	80.5	77.8	32.4		74		2.0		1	1	6	9	9	1	0	2	2
	0300		990.0	0.0	995.9	90.0	82.0	7.86	33.7	+0.6	70	+2	2.4	+0.9	0	4	6	13	4	1	0	1	2
	1200		986.1		992.2	106.4	85.7	77.4	32.4		42		2.1		1	4	2	16	7	1	0	0	0
JUNAGARH																							
Veraval	0300	26	(f) 999.9	—	(f) 1000.9	* (b)	* (b)	* (b)	* (b)	—	* (b)	—	(f) 7.0	—	1	2	0	0	(f) 0	3	14	14	1
	1200		(h) 999.6		(h) 1000.6	83.6	80.1	78.8	33.8		87		(g) 6.7		1	0	0	0	(g) 1	5	14	2	1
ARABIA																							
Muscat (x)	0300																						
	120																						

(a) Observation for 30 days,
(R) Data not received.
(b) Observations for 23 days.
(g) Observations for 24 days,
(f) Observations for 25 days.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF JULY 1962.

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 geopotential of 850/700 mbs. pressure level in Gpm.	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: Relative humidity.	Departure from normal.	WIND DIRECTIONS NUMBER OF OBSERVATION FORM:— 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.	M.	%	%	ok	tas									
HILL STATIONS																							
KASHMIR																							
Srinagar (x)	0000																						
	0300																						
	1200																						
Gulmarg (X)	0300																						
	1200																						
Gurez	0300																						
	1200																						
Sonamarg (X)	0300																						
	1200																						
Dras (X)	0300																						
	1200																						
Kargil (X)	0300																						
	1200																						
Leh (X)	0000																						
	0300																						
	1200																						
Skardu	0000	7250	770.7		1366.4	63.9	53.4	44.5	10.2		51		4.1		0	0	0	0	4	3	7	0	17
	0300		771.7	—	1366.7	70.5	56.6	46.1	10.7	—2.1	42	—14	3.9	+1.0	0	6	1	0	2	3	6	0	13
	1200		767.5		1297.2	83.4	59.7	40.3	9.0		23		4.6		0	1	0	2	2	3	10	1	12
Minimarg	0000	10190	*		*	53.5	44.7	35.9	7.3		52		4.0		2	9	4	0	0	1	2	5	8
	0300		698.6	—	3088.0	58.7	48.3	39.5	8.3	—	49	—	3.8	—	1	10	6	1	2	0	2	8	1
	1200		696.2		3057.2	69.2	51.3	35.7	7.4		29		4.1		1	2	7	8	0	3	4	6	0
Aliabad (X)	0300																						
	1200																						
Gilgit P.B.O.	0000	4789	844.6		1404.5	66.0	60.3	55.8	15.6		72		4.3		1	1	1	2	0	0	2	1	23
	0300		845.9	—	1415.9	75.1	63.5	56.5	15.3	—	51	—	3.8	—	1	0	0	0	0	0	2	3	25
	1200		841.2		1364.7	89.8	66.2	50.1	12.4		26		5.7		0	1	5	1	0	0	5	4	15
RAWALPINDI																							
Murree	0000	7113	779.2		1421.3	63.1	58.6	55.2	15.2		77		4.9		0	1	2	12	0	4	0	11	1
	0300		780.0	—0.3	1423.1	68.4	61.3	56.8	16.0	—1.2	68	—10	4.5	+0.4	1	1	4	8	0	0	8	3	6
	1200		778.8		1402.1	73.1	65.5	60.9	18.7		68		6.0		0	4	4	2	0	2	9	7	3
PESHAWAR																							
Drosh	0000	4806	845.7		1419.8	72.7	62.0	54.5	14.7		53		2.9		0	0	1	2	0	2	0	0	26
	0300		846.5	—0.8	1427.8	77.3	65.1	57.3	16.2	—1.3	51	—5	2.7	+1.3	0	0	0	0	0	1	0	0	30
	1200		841.9		1378.0	91.8	66.5	48.9	11.9		23		3.5		0	2	0	0	0	1	3	0	3

* — Data rejected.

(X) — Data not available.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF JULY, 1962.

DIVISION AND STATION	Hours of observation.	Height of bar cistern above mean sea level.	Mean Pressure: standard temperature and gravity.	Mean Pressure: Departure from normal.	Mean Pressure: Reduced to standard temperature and M.S.L. or geopotential of 850/700 mbs. pressure level in Gpm.	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										
Cherat	0000	4272	*		*	*	*	—			—		*		0	9	2	5	0	0	0	15	0
	0300		*		*	76.0	*	—	—	—	—	—	*	—	0	10	1	10	0	2	0	4	4
	1200		*		*	87.3	*	—	—		—		*		0	6	2	14	0	5	0	4	0
Kakul	0000	4214	863.3		1414.1	71.5	65.3	61.2	16.5		62		3.3		4	7	9	1	2	0	1	7	0
	0300		863.7	—	1421.7	77.3	68.5	63.3	20.1	—	63	—	3.3	—	3	1	2	4	4	4	6	7	0
	1200		861.4		1401.1	84.8	71.3	63.8	20.7		50		4.0		1	2	0	3	0	15	2	2	0
Balakot	0000	3226	(x)		(x)	73.2	66.3	62.1	19.2		68		2.5		0	2	0	0	0	0	0	9	20
	0300		(x)	—	(x)	75.7	65.3	63.5	20.6	—	67	—	2.2	—	2	1	0	1	0	0	0	1	26
	1200		(x)		(x)	85.3	72.3	65.5	21.6		52		4.0		2	1	0	2	1	0	0	2	23
Landi Kotal	0000	3503	882.9		1397.6	76.1	68.9	64.9	21.2		69		2.8		0	8	0	2	0	0	0	0	21
	0300		883.6	—	1407.0	82.6	71.6	65.9	21.9	—	58	—	3.5	—	0	9	0	1	0	3	0	0	18
	1200		882.4		1401·6	92.1	76.8	70.1	25.2		49		2.9		0	1	0	25	0	2	0	0	3
PESHAWAR																							
Parachinar	0000	5673	*		*	*	*	—	—		—		3.0		0	0	0	0	0	0	0	0	31
	0300		819.8	—0.6	1415.5	71.9	63.6	57.9	16.6	—0.8	64	+4	2.6	+0.1	0	0	0	0	0	0	0	1	30
	1200		818.1		1389.0	82.7	67.6	58.4	17.7		47		5.1		0	1	0	24	0	0	0	0	6
D. I. KHAN																							
Miranshah	0000	3026	*		*	(a) 80.3	(a) 72.0	(a) 67.9	23.4		66		3.3		0	15	0	0	0	0	0	0	16
	0300		898.8	—	1413.5	83.4	73.5	68.5	24.2	+1.1	61	+2	2.1	—0.1	0	6	0	0	0	0	0	0	25
	1200		896.4	—	1398.6	94.5	(m) 77.5	(m) 72.3	25.2		46		3.4		0	2	0	0	0	1	0	0	8
Wana	0300	4503	*	—	*	78.3	67.7	62.8	18.5	—0.8	57	—5	1.5	0.0	0	0	0	0	0	0	0	0	31
	1200		*		*	86.9	71.6	62.7	20.2		46		3.6		0	3	0	6	0	1	0	0	21
QUETTA																							
Fortsandeman (P.T.)	0300	4614	852.0	+0.9	1425.2	79.9	66.7	56.5	16.7	—2.6	51	—10	1.3	- 0.1	0	2	0	0	0	1	0	0	28
	1200		850.0		1402.4	93.3	67.9	55.5	15.7		33		3.8		2	5	5	5	3	3	1	0	7
Fortsandeman (P.B.O.)	0000	4615	850.8		1413.4	73.9	65.8	60.2	18.0		64		1.4		1	3	2	0	2	0	0	0	23
	0300		851.7	—	1422.2	79.5	68.3	60.3	18.9	—	54	—	1.2	—	0	9	0	0	2	3	4	1	12
	1200		849.1		1395.5	89.7	68.6	55.1	15.0		36		4.8		0	8	9	4	7	1	2	0	0
Hindubagh	0000	5909	*		*	70.0	60.9	55.1	14.6		60		0.3		0	0	1	2	0	3	17	0	8
	0300		812.0	—	1399.5	76.0	63.4	57.1	15.4	—	50	—	1.6	—	0	0	3	4	0	7	8	0	9
	1200		809.5		1362.2	89.7	67.6	53.5	15.1		33		3.4		0	0	5	8	0	6	8	1	3
Loralai	0000	4699	846.8		1399.0	69.7	64.2	60.0	18.3		75		2.7		2	1	2	2	2	2	3	2	15
	0300		847.6	—	1404.4	78.2	69.5	64.2	21.1		65	—	3.7		0	5	2	2	0	2	7	7	5
	1200		845.2		1380.1	88.4	72.1	62.9	20.2		47		6.1		0	0	5	13	8	1	1	3	0
Harnai	0000	2861	(o) 913.4		(o) 1372.3	81.2	68.0	59.5	17.4		50		1.0		1	0	0	0	0	0	0	6	24
	0300		(p) 894.5	—	(p) 1334.7	85.3	70.3	60.5	18.5	-	44	—	1.4		1	0	0	2	1	0	0	9	18
	1200		( ) 898.8		(p) 1371.0	95.7	71.7	58.0	15.6	—	31		3.1		1	0	0	11	4	5	1	2	7
Quetta (Samungli)	0000	5213	832.6		1407.5	70.6	59.7	51.5	13.6		54		1.6		0	1	5	17	1	0	0	0	7
	0300		833.6	—	1415.9	76.4	62.7	53.3	14.9	—	47		1.7		0	1	4	11	1	1	1	0	12
	1200		830.9		1381.8	92.4	62.8	36.9	8.9		19		2.5		1	1	3	3	3	4	11	5	0

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

(o) — Means for 16 days.
(a) — Means for 30 days.
(m) — Means for 18 days.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF JULY, 1962.

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 Observation From:—								
			Station level reduced to standard temperature and gravity.	Departure from normal.	Reduced to standard temperature and M.S.L. pressure level in Gpm. mbs.	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
QUETTA—*Contd.*	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas										
Quetta (P.T.)	0300	5490	825.2	—0.8	1411.4	77.2	65.7	59.5	17.5	—0.6	55	—6	1.1	0.0	0	1	0	3	3	6	0	0	18
	1200		823.4		1386.3	89.9	69.6	58.5	17.4		37		3.4		1	1	0	1	4	10	6	8	0
Quetta (P.B.O.)	0000	5560	823.0		1412.9	70.7	60.0	51.5	13.8		53		0.7		0	0	1	0	0	1	0	0	28
	0300		823.9	—	1418.9	79.4	63.5	52.9	14.3	—	41	—	1.0		0	1	7	3	4	1	1	0	14
	1200		821.9		1391.0	90.7	63.3	43.6	10.0		23		2.6		1	0	1	3	1	8	8	6	3
Chaman	0000	4311	857.7		1391.9	80.5	57.8	35.4	7.2		20		1.1		0	0	24	4	1	0	0	0	2
	0300		858.8	—0.9	1492.3	85.4	60.4	37.5	7.8	—5.1	19	—14	0.7	0.0	0	0	14	8	6	3	0	0	0
	1200		855.9		1378.3	98.8	66.3	39.6	8.9		14		0.9		1	1	1	0	2	9	17	0	0
Nushki	0000	3416	887.9		1425.3	83.6	62.9	45.4	11.2		29		0.8		0	0	9	0	1	0	1	0	20
	0300		889.1	—	1438.1	89.8	67.6	50.8	14.1	—	29	—	0.7		0	0	11	0	7	0	0	4	9
	1200		886.3		1419.0	102.1	70.7	51.3	12.8		21		1.2		0	0	4	0	5	1	16	3	2
Dalbandin	0000	2788	904.5		1392.0	81.4	59.5	38.8	8.5		23		1.3		1	1	0	0	2	9	10	4	4
	0300		905.7	—0.1	1408.5	86.0	62.0	40.4	9.3	—3.4	22	—11	1.4	+0.4	2	0	0	0	2	13	7	0	7
	1200		902.8		1399.1	104.8	68.8	41.3	9.3		13		1.4		2	1	1	5	3	11	7	1	0
KALAT Division																							
Kalat	0000	6616	792.8		1417.6	63.0	*	*					1.9		0	0	1	3	24	2	1	0	0
	0300		793.6	—0.3	1415.8	74.1	*	*	—		—		1.5	—0.1	1	0	2	2	19	3	2	2	0
	1200		791.7		1382.8	86.1	*	*					2.6		3	2	3	4	2	3	6	8	0
Panjgur (P.B.O.)	0000	3180	893.3		1401.9	78.3	69.0	63.5	20.4		63		1.1		1	1	0	0	0	3	2	1	23
	0300		894.5	—	1415.2	81.6	68.8	60.4	18.6		50		1.7		1	0	1	1	0	4	1	3	20
	1200		891.2		1394.2	100.2	69.8	48.0	12.5		21		1.8		4	0	1	0	0	5	2	18	1

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF JULY, 1962.

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.	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
CHITTAGONG																					
Rangamati	91.1		96	11	78.3		73	26,28	10.82		2.19	11	16		x		10	0	0	0	0
Cox's Bazar (P.T.)	86.5	+1.2	93	9,10,11	76.7	+0.3	73	1	24.81	—10.71	4.31	25	18	—5.0	x		2	0	0	0	0
Chittagong (P.B.O.)	88.5		93	9,12	78.2		76	14,22	24.25		4.64	24	1o		x		4	0	4	0	0
Chittagong (P.T.)	87.5	+1.5	93	11,12,14	77.7	+1 0	75	14	23.54	+0.01	4.48	14	18	—0.9	x		4	0	0	0	0
Maijdi Court (R)																					
Comilla	90.1	+2.4	98	15,16	76.6	—0.5	73	9	18.09	+1.67	3.85	15	13	—5.8	3		2	0	0	0	0
Brahmancaria	89.2	—0.3	96	15	79.1	+3.3	75	18	11.23	—0.08	4.85	18	11	—5.6	4.5		5	0	0	0	0
Sylhet (P.B.O.)	90.1		97	15	78.4		73	3	16.01		3.07	17	18		x		9	0	0	0	0
Srimangal (R)																					
DACCA																					
Mymensingh	90.3	+2.4	97	15	78.7	+0.4	74	15	12.14	—3.88	2.74	18	14	—5.2	x		6	0	0	0	0
Jamalpur (R)																					
Narayanganj	90.3	+2.1	97	15	80.3	+1.4	75	15	12.66	—0.31	2.81	28	18	+0.3	5.3	+0.9	9	0	0	0	0
Dacca (Tejgaon)	88.9		95	15	79.7		73	15	13.90		2.91	15	15				9	0	0	0	0
Faridpur (R)																					
KHULNA																					
Barisal	(a) 89.1	+1.8	94	14,15	(a) 79.8	+1.4	77	5,19	17.09	+0.77	(a) 3.82	27	19	—2.1	x		1	0	3	0	0
Khulna (R)																					
Satkhira	91.0	+2.5	99	31	79.6	+1.2	77	17,28	8.75	—4.75	1.65	16	17	—1.4	0.6	—1.8	0	0	6	0	0
Jessore (P.T.) (R)																					
RAJSHAHI																					
Pabna (R)																					
Ishurdi	89.2		95	13	78.6		74	17	11.46		2.22	18	14		x		0	0	0	0	0
Sirajgonj	89.5		97	15	78.8		75	18,19	15.18	+3.40	6.01	18	13	—3.1	2.6		1	0	0	0	0
Rajshahi (R)																					
Bogra (P.B.O.)	89.9	+0.7	96	15	79.4	+0.9	72	18	15.03	+2.20	3.90	18	15	—1.8	2.6	+0.6	0	0	0	0	0
Dinajpur	91.0	+1.8	101	15	78.0	—0 9	74	2,17	7.14	—3.33	2.42	17	10	—6.7	x		2	0	0	0	0
Rangpur	90.1		98	16	79.0		75	5 days	8.64	—7.37	1.89	18	13	—2.0	2.8		0	0	0	0	0
KASHMIR																					
Jammu (X)																					
LAHORE																					
Lahore P.B.O.	98.7	—0.9	112	6	81.3	+1.2	72	12,13	6.46	+1.01	3.44	21	4	—1.9	2.9	+0.7	8	0	0	0	2
Lahore Cantt.	97.8	—	111	6	81.0	—	72	12.13	7.03	—	3.59	12	5	—	4.9	—	5	0	0	2	1
Sialkot	(b) 99.9	+2.5	112	6	(d) 79.6	0.0	73	20,21	8.17	—0.18	2.55	29	10	+1.0	(o) 2.5	+0.6	0	0	0	0	0
RAWALPINDI																					
Jhelum	99.5	—	112	6	80.3	—	73	19	5.09	—	3.07	19	5	—	3.6	—	12	0	0	0	2
Chaklala	97.3	—	109	6	78.1	—	69	28	7.92	—	2.35	28	7	—	(g) 5.9	—	15	0	0	0	1
Rawalpindi	98.4	+0.6	110	6	78.2	+1.1	70	9,12	8.09	+0.02	1.90	28	8	—0.8	3.1	+1.4	10	0	0	0	0
Campbellpur	101.3	—	113	6,7	80.0	—	70	22	4.71	—	1.50	22	8	—	(x)	—	0	0	0	0	0

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

(a) Mean for 30 days.
(b) Mean for 29 days.
(d) Mean for 27 days.
(g) Mean for 24 days.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF JULY, 1962.

DIVISION AND STATION	Maximum Temperature of the Air oF				Minimum Temperature of the Air oF				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.	Visibility Code Figure 93 or less: Has (dust).	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
SARGODHA																					
Khushab	102.5	+0.3	113	6	82.6	+0.2	75	22	0.93	—2.97	0.41	17	3	—1.3	5.3	0.0	3	0	0	0	3
Sargodha	100.8	—	113	6	82.1	—	71	19,21	7.92	—	2.72	21	4	—	5.8	—	6	0	0	3	2
Mianwali	105.7	—	113	6	*	—	—	—	0.63	—	0.43	29	2	—	(x)	—	0	0	0	0	1
Lyallpur	100.0	—1.5	110	6	83.2	+0.5	74	19	2.77	—0.09	1.49	19	4	+0.2	2.4	—0.4	4	0	1	0	2
MULTAN																					
Montgomery	101.0	—1.9	110	6,7	82.7	—1.0	73	21	5.23	+2.81	3.71	21	4	+0.7	1.7	—3.1	3	0	0	0	2
Multan P.B.O.	105.2	—	114	6,7	84.6	—	75	1	0.19	—	0.15	13	1	—	4.9	—	5	0	0	3	0
Multan Surf.	105.4	+3.0	115	7	85.3	—0.2	76	1	0.25	—1.76	0.25	1	1	—1.3	1.0	—1.2	4	0	0	0	4
Leiah	*	—	—	—	82.5	—	75	15	1.50	—	1.50	15	1	—	(x)	—	0	0	0	0	0
BAHAWALPUR																					
Khanpur P.B.O.	105.1	—	114	7	82.1	—	74	18	3.27	—	2.14	18	4	—	5.3	—	7	0	0	3	5
Bahawalpur	105.1	+1.8	112	6	*	—	—	—	2.33	—0.11	1.30	1	2	—1.2	4.4	—0.1	0	0	0	0	0
Fort Abbas	105.7	—	113	5,7	83.7	—	73	1	0.60	—	0.50	12	2	—	5.4	—	0	0	0	0	0
PESHAWAR																					
Chakdara	97.2	—	107	6	74.2	—	65	22	6.09	—	3.30	22	5	—	(X)	—	3	0	0	0	0
Peshawar	101.2	—1.3	110	6,17	80.4	+0.2	73	22	0.13	—1.13	0.09	9	0	—2.0	3.1	+1.1	8	0	0	0	2
Risalpur	102.9	—	113	6,17	79.3	—	67	18	4.04	—	1.75	22	4	—	4.5	—	8	0	0	0	6
Haripur	99.0	—	109	,7	76.6	—	69	21,22	10.10	—	3.74	21	6	—	4.6	—	0	0	0	0	0
Kohat	101.6	—	111	6,7	79.1	—	71	9,22,29	2.92	—	1.13	8	6	—	5.4	—	17	0	0	0	2
D. I. KHAN																					
Bannu	102.4	—0.7	110	6,7	81.4	—1.1	73	3,8	0.41	—1.80	0.24	8	2	—1.2	1.8	—	0	0	0	0	0
D. I. Khan	104.2	+0.9	113	7	82.6	—0.1	76	1,21	0.79	—1.50	0.60	21	2	—0.8	1.8	0.0	0	0	0	0	0
QUETTA																					
Sibi	110.3	+2.5	118	7	87.7	+0.5	73	18	1.60	+0.20	1.35	18	2	—0.6	3.8	—1.5	0	0	0	0	0
KALAT																					
Nokkundi	107.9	—1.5	113	6,7	83.5	—0.1	72	30	0.00	0.00	0.00	—	0	0.0	x	—	0	0	0	0	0
Turbat	108.5	—	118	12	x	—	x	—	0.85	—	0.65	15	2	—	x	—	0	0	0	0	0
Jiwani	90.5	—	95	14	81.1	—	76	15	1.16	—	1.09	15	3	—	8.4	—	1	0	0	0	0
Pasni	91.9	+0.7	96	13	80.7	+1.8	78	3,30,31	0.00	—0.47	0.00	—	0	—0.6	9.5	+3.7	1	0	0	0	0
KARACHI																					
Ormara	92.2	+2.0	103	14	81.2	0.0	79	5days	0.99	+0.34	0.86	16	3	+1.7	10.4	+1.8	0	0	0	0	0
Lasbela (R)																					
Karachi (Manora)	92.0	+3.5	101	9	79.4	—1.7	76	27	2.90	—0.30	1.33	14	2	—0.5	x	—	4	0	0	0	0
Karachi (Mauripur)	91.3	—	103	13	81.3	—	75	9	2.54	—	0.9			—	14.8	—	6	0	1	0	1
Karachi (City)	92.5	—	102	10,15	81.1	—	75	9	*	—	*	—	x	—	x	—	4	0	0	0	1
Karachi (Airport)	92.6	—	106	9	81.3	—	76	14	3.20	—	1.69	14	5	—	10.7	—	4	0	1	0	0
Gadap	(r) 89.0	—	100	12	78.6	—	74	14,15,16	(h) 2.95	—	2.60	14	4	—	(h) 9.6	—	4	0	0	0	0

(a) — observations for 30 days
(b) — Observations for 29 days.
(s) — Data not received.
(X) — Data not available.
(R) — Register not received.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF JULY, 1962.

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 6 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
HYDERABAD DIVISION																					
Dadu (R)																					
Mithi	98.8	—	113	7	82.7	—	73	7	2.55	—	2.25	7	3	—	3.8	—	0	0	0	0	0
Nagar Parker	*	—	*	—	*	—	*	—	2.24	—	1.30	7	3	—	x	—	0	0	0	0	0
Umerkot	99.5	—	109	5, 6	80.9	—	76	7	3.28	—	2.96	14	6	—	x	—	0	0	0	0	0
Chhor	98.0	—	107	6,13	81.2	—	77	7	2.33	—	1.51	13	6	—	4.8	—	4	0	0	0	0
Hyderabad	99.6	+0.3	109	5	82.4	+1.0	79	14	2.42	—0.56	1.62	13	4	+1.1	10.0	+0.7	1	0	0	0	1
Badin	99.2	+4.3	109	12	80.9	—0.3	78	14	1.23	—2.74	0.50	9	3	—0.8	x	—	0	0	0	0	0
KHAIRPUR DIVISION																					
Padidan	105.9	—	115	27	82.6	—	77	15	2.02	—	0.96	15	3	—	7.0	—	0	0	0	0	0
Nawabshah (R)																					
Sukkur	106.4	+2.1	113	6, 26	84.4	+1.4	82	4 days	0.90	—0.54	0.90	15	3	+1.3	70	—	0	0	0	0	0
Kashmore	*	—	*	—	*	—	*	—	0.46	—	0.46	23	1	—	x	—	1	0	0	0	0
Jacobabad	108.0	0.0	115	7	86.4	+1.4	80	18	0.14	—0.81	0.06	14	0	—1.5	7.8	+1 3	0	0	0	0	2
JUNAGARH DIVISION																					
Veraval	x	—	x	—	x	—	x	—	0.25	—	0.25	22	1	—	x	—	0	0	1	0	p
ARABIA																					
Muscat (X)																					
HILL STATIONS																					
KASHMIR																					
Srinagar (X)																					
Gulmarg (X)																					
Gurez (X)																					
Sonamarg (X)																					
Dras (X)																					
Kargil (X)																					
Leh (X)																					
Skardu	86.0	—1.6	97	26,28	61.4	—0.4	53	1, 3	0.48	+.0.09	0.22	21	2	+1.1	4.0	+0.3	2	0	0	0	0
Misgar	72.7	—	85	25	51.5	—	45	15	0.39	46	0.25	21	1		4.6	—	0	0	0	0	0
Aliabad (X)																					
Gilgit P.B.O.	90.7	—	109	17	64.2	—	54	2	1.29	—	0.40	21	6	—	2.8	—	3	0	0	0	2
RAWALPINDI																					
Murree	76.3	+0.1	87	17	60.4	+1.5	56	12	11.87	—0.53	2.93	22	15	+1.7	5.6	+1.9	12	0	13	0	0
PESHAWAR																					
Drosh	96.5	—0.2	108	7,17	71.3	—2.2	60	8	2.15	+1.55	0.63	22	5	+8.5	3.9	—0.5	15	0	0	0	0
Charat	90.8	+1.1	102	7	*	—	—	—	3.00	—0.64	1.51	22	3	—1.8	(X)	—	3	0	6	0	0
Kakul	88.9	—	99	7	70.0	—	63	21,22	11.51	—	3.06	21	13	—	(X)	—	18	0	0	0	2
Balakot	91.7	—	101	7	70.9	—	62	22	14.53	—	2.33	29	16	—	2.6	—	3	0	0	0	0
Landikotal	95.8	—	104	6,26	73.5	—	66	1	0.00	—	0.00	—	0	—	(X)	—	3	0	5	7	0
Parachinar	86.3	—0.8	94	7	65.4	—1.0	59	4 day	4.50	+0.98	0.81	15	10	+3.1	2.4	+0 2	0	0	0	0	0

(X) — Data not available. (*) — Data rejected. (h) — Data for 23 days. (R) Register not received

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF JULY, 1962.

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 Figur 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
D. I. KHAN																					
Miranshah	97.2	+0.6	106	7, 17	77.7	—1.4	70	1	0.86	—0.71	0.25	9,22	4	+0.7	(a) 3.4	— 2.4	0	0	0	0	0
Wana	92.6	+0.8	102	25	70.3	—1.0	63	3	2.96	+0.96	0.85	19	7	+3.0	2.1	—	0	0	0	0	1
QUETTA																					
Fortsandeman (P.T.)	97.0	—2.8	105	27	73.9	—1.2	67	1	1.87	—0.27	0.49	20	5	+1.2	x	—	15	0	0	0	0
Fortsandeman (P.B.O.)	96.2	—	104	28	72.0	—	66	1	2.17	—	0.60	13,20	5	—	3.5	—	15	0	0	0	0
Hindubagh	93.1	—	101	8	x	—	x	—	0.89	—	0.80	9	1	—	5.6	—	0	0	0	0	0
Loralai	93.7	—	101	7	66.8	—	60	1	1.10	—0.44	0.50	17	4	+1.1	3.1	—	0	0	0	0	0
Harnai	99.6	—	110	16	79.3	—	65	21	2.93	—0.17	1.15	21	6	+1.0	x	—	2	0	0	0	0
Quetta (Samungli)	95.0	—	101	7, 8	68.3	—	59	24,25	0.10	—	0.10	17	1	—	7.1	—	5	0	0	0	0
Quetta (P.T.)	92.7	—	100	8	64.4	—	60	4, 5, 7	0.00	—	0.00	—	0	—	3.1	+0.7	3	0	0	0	0
Quetta (P.B.O.)	94.8	—	102	8	69.5	—	63	25	0.00	—	Tr	11	0	—	4.3	—	3	0	0	0	0
Chaman	99.6	—1.5	106	7,17,18	77.0	+0.7	70	23	0.01	—0.06	0.01	15	0	—0.2	x	—	1	0	0	0	0
Nushki	104.3	—	111	7	82.6	—	75	1, 2, 3	0.00	—	0.00	—	0	—	x	—	0	0	0	0	0
Dalbandin	106.9	—1.8	113	7	78.9	+2.7	70	2	0.04	+0.08	0.04	15	0	—0.4	x	—	0	0	*	4	3
KALAT																					
Kalat	88.0	—3.1	91	4	61.1	—1.1	85	5 days	0.00	—0.60	0.00	—	0	—1.5	x	—	0	0	0	0	0
Panjgur (P.B.O.)	102.5	—	110	7	77.0	—	70	31	0.28	—	0.28	15	1	—	5.3	—	0	0	0	1	0

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

M 06.1/54
D 152 pw

REGD. No. S-1452

PAKISTAN WEATHER REVIEW, 1962

MONTHLY WEATHER REPORT

24 JAN 1969
Copy
SURPLUS
DUPLICATE

AUGUST

(PUBLISHED BY THE AUTHORITY OF THE GOVERNMENT OF PAKISTAN)

Chief Features :

1. Strong monsoon in East Pakistan during the later part of the third week causing devastating floods towards the end of the month.

2. Generally weak monsoon in West Pakistan.

East Pakistan:

Under the influence of a well marked low which moved from the north Bay of Bengal to Orissa and neighbourhood in the early part of the first week, fairly widespread rain fell in East Pakistan between the 2nd and 7th, with heaviest falls in the northern districts on the first two days when Dinajpur recorded 3″ on each day. The monsoon was generally weak thereafter upto the end of the second week when rain fell locally in different parts of the province.

The monsoon gradually strengthended in the third week following the northwards shift of a well marked trough of low pressure which had formed in the north Bay of Bengal towards the end of the second week. As a consequence fairly widespread rain fell in Chittagong division and local rain elsewhere between the 14th and 17th and fairly widespread with locally moderate to heavy falls practically throughout East Pakistan during the next five days. Outstanding amounts of rainfall during the period were Chittagong 3″ on the 11th, Maijdee Court 4″ on the 14th, Cox's Bazar 5″ and Maijdee Court 4″ on the 15th, Maijdee Court 4″ on the 16th, Dinajpur 4″ on the 18th, Dinajpur 5″ and sylhet, Mymensingh and Rangpur 4″ each on the 19th, Brahamanbaria 4″ and Rangamati, Chittagong, Sylhet, Narayangunj, Dacca, Jessore and Rangpur 3″ on the 20th, Chittagong 4″ and Cox's Bazar, Khulna and Satkhira 3″ each on the 21st. These heavy down pours resulted in submerging of some of the low lying areas and, according to newspaper reports, 129 families had to be evacuated from Dacca city to relief centres. During the rest of the month the monsoon was generally moderate and rainfall was fairly widespread to widespread in Dacca division on the 23rd, in Khulna division on the 24th and 30th and in Chittagong division on the 29th; it was otherwise scattered to local during the period. The weather was dry in Dacca division on the 25th and 26th and in Rajshahi division also on the latter date. 3″ of rain was recorded on the 30th and 31st respectively at Dinajpur and Bogra. Due to the heavy rainfall in the catchment areas of the rivers flowing across East Pakistan devastating floods gripped the whole of East Pakistan towards the end of the month and a state of emergency had to be declared by the Government.

The total rainfall during the month was normal in Rajshahi division, slight defect in Khulna division and in moderate defect elsewhere. Averaged over the region, as a whole it was in slight defect.

The means of maximum and minimum temperatures, the relative humidity and the cloudiness were all normal in the region.

West Pakistan:

Three westerly low pressure waves moved across the northern parts of the province between the 1st and 9th. These caused local thunderstorms or showers in Lahore division on the 9th, in Rawalpindi division on the 4th, 7th and 9th; in Peshawar division between the 6th and 9th and scattered in the former division on the 6th and 8th; in the later division on the 1st and 5th and in D. I. Khan division only on the 6th. Kakul recorded 2″ of rain on the 6th. A few duststorms also occurred in Lahore, D. I. Khan and Quetta divisions on the 4th; in Quetta and Kalat divisions on the 5th and in D. I. Khan and Sargodha divisions on the 9th. Thereafter another westerly low pressure wave influenced the weather over the northern parts of the province between the 10th and 12th when fairly widespread rain or thunder showers were recorded in Rawalpindi division on the first two days. Rawalpindi recording 4″ of rain in three hours on the 9th morning. Local rain also occurred in Lahore division on the 10th and 11th and in Peshawar division on all the three days. Local thunderstorm or showers were also recorded in Sargodha, Multan and Peshawar divisions and scattered in D.I. Khan, Quetta and Bahawalpur divisions on the 11th only. A few dust or thunder storms were also reported from Sargodha and Bahawalpur divisions on the 10th. Kakul recorded 4″ and Haripur and Murree 1″ each on the 10th.

Rainfall extended to the southern divisions of the province towards the middle of the month due to the formation of a well marked low pressure area over the Kutch and Saurasthra between the 14th and 15th. It, however, remained practically stationary and filled up by the 18th. Under the influence of this low, which accentuated while merging in the seasonal trough, fairly wisespread thunder-rain occurred in Lahore division on the 13th, 14th, 15th and 18th; in Karachi, Hyderabad and Khairpur divisions on the 15th and 16th; in the last named division on the 17th: in Peshawar and Rawalpindi divisions on the 16th and 18th and in Sargodha division only on the last day. Rainfall was otherwise scattered over the province outside D. I. Khan division during most of the above period. Lahore recorded the heaviest rain of 2″ on the 18th.

The last of the westerly low pressure waves moved away eastwards by the 20th and was followed by another one which moved across the northern parts of the province between the 21st and 31st. This caused pronounced rainfall practically throughout the northern divisions between the 19th and 21st; in Peshawar, Rawalpindi and Lahore divisions on the 28th, only in Rawalpindi division on the 30th and in Lahore, Multan and Peshawar divisions as well on 31st. Scattered thunder-rain occurred otherwise in the northern divisions frequently during this period and occasionally in the central divisions. Noteworthy amounts of rainfall recorded were at Campbellpur 2″ on the 20th, Rawalpindi and Lyallpur 2″ each on the 21st, Sialkot and Jhelum 3″ each and Kakul 2″ on the 31st.

The total rainfall during the month was in slight excess in D.I. Khan division, in moderate excess in Khairpur division and normal in Lahore, Rawalpindi, Peshawar and Hyderabad division. It was in slight defect in Sargodha and Multan divisions and in large defect elsewhere. Averaged over the region it was in slight defect.

The mean maximum temperature was below normal in Kalat division, above in Multan and Karachi divisions and normal elsewhere. The mean minimum temperature was below normal in Kalat division and normal elsewhere.

The mean relative humidity was in defect in Multan, Bahawalpur, and Kalat divisions and normal over rest of the region.

The skies were less clouded in Bahawalpur and Kalat divisions, more clouded in Khairpur division and normal elsewhere.

Table I contains the divisional means of rainfall, temperature, relative humidity and the cloud amount for the 18 chief political 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 MEANS FOR AUGUST 1962—(*contd.*)

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
EAST PAKISTAN	"	"	'		o	o	mb	%	
Chittaong	14.51	19.50	—4.99	—26	—0.5	—0.5	+0.5	+1	0.0
Dacca	9.86	13.63	—3.77	—28	+0.1	+0.2	+0.1	—2	+0.5
Khulna	11.65	13.25	—1.65	—12	+0.5	+0.3	+0.7	—1	+0.3
Rajshahi	14.16	12.95	+1.21	+9	—0.7	—0.9	+0.5	—1	+0.6
Mean	1.27	1.52	—0.25	—17	—0.2	—0.3	+0.5	—1	+0.3
WEST PAKISTAN									
Kashmir (X)									
Lahore	6.83	7.23	—0.40	—6	—0.7	—0.3	+0.5	+1	+0.2
Rawalpindi	11.91	11.49	+0.42	+4	—0.3	+0.3	—0.5	—2	+0.7
Sargodha	3.09	3.55	—0.46	—13	—0.5	+0.3	+1.1	+4	+0.1
Multan	1.83	2.36	—0.53	—22	+1.9	+0.3	—1.9	—6	+0.3
Bahawalpur	0.40	1.33	—0.93	—70	+2.7	*	—2.3	—7	—0.9
Peshawar	2.64	2.83	—0.19	—7	—0.1	—0.1	+0.8	+3	—0.1
D. I. Khan	1.75	1.49	+0.26	+17	+0.7	+0.2	+0.1	—2	+0.4
Quetta	0.26	1.09	—0.83	—76	—0.3	+1.4	—0.4	—3	—0.1
Kalat	0.04	0.17	—0.13	—76	—3.5	—3.4	—8.0	—16	—0.8
Karachi	0.37	0.83	—0.46	—55	+3.2	+0.7	+0.8	—3	—0.1
Hyderabad	1.90	2.03	—0.13	—6	+0.1	+0.7	+0.9	0	—0.2
Khairpur	1.31	1.00	+0.31	+31	+0.8	+0.3	+1.7	+3	+0.8
Mean	1.63	1.94	—0.31	—16	—0.4	—0.4	—1.8	—5	—1.8
Junagadh (X)									

(X) — Data not available.

(*) Data rejected.

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: Departurre from normal.	MEAN PRESSURE: Reduced to standard temperature and M.S.L. or isopotential of 850/700 mbs. pressure level in Cpm.	MEAN TEMPERATURE OF THE AIR AND HUMIDITY: Dry bulb.	Wet bulb.	Dew point.	Vapour pressure.	Departurre 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										
CHITTAGONG																							
Rangamati	0000	208	998.8		1005.9	78.2	76.4	75.5	29.7		91		6.2		0	0	1	3	24	3	0	0	0
	0300		999.7		1006.8	82.9	78.6	76.8	31.3		81		5.9		1	0	1	0	26	3	0	0	0
	1200		996.8		1003.9	81.4	78.5	77.5	30.8		87		6.7		0	0	0	2	27	1	0	0	1
Cox's Bazar (P.T.)	0000	38																					
	0300		1004.6	+1.7	1005.9	81.5	78.7	77.0	32.2	+0.5	88	0	4.9	−1.3	0	0	0	11	14	5	1	0	0
	1200		1001.9		1003.2	81.1	78.4	77.0	32.0		89		5.3		0	0	0	4	13	11	3	0	0
Chittagong (P.B.O.)	0000	19	1003.7		1004.4	77.7	77.1	76.8	31.6		97		7.0		1	0	4	20	0	1	0	0	5
	0300		1005.0		1005.7	81.9	78.9	77.6	32.4		87		6.9		1	0	0	25	1	1	0	0	3
	1200		1002.2		1002.9	82.4	79.5	78.4	33.1		88		7.3		0	0	0	8	15	6	0	0	2
Chittagong (P.T.)	0000	46																					
	0300		1003.5	+0.8	1005.1	81.5	77.4	75.6	30.2	−1.1	83	−3	6.2	−0.1	0	2	0	24	2	1	1	0	1
	1200		1000.7		1002.3	81.6	77.9	76.6	31.0		85		6.9		0	0	0	10	14	6	1	0	0
Maijdi Court (R)	0000	25																					
	0300																						
	1200																						
Comilla	0000	29	x			78.8	76.7	75.9	30.5		91		7.0		0	0	2	1	25	0	0	0	3
	0300		x			82.4	79.4	78.0	32.9	+0.8	86	+2	7.0	+1.4	0	0	0	0	27	0	0	0	4
	1200		x			82.6	79.4	77.8	32.9		86		7.0		0	0	0	1	19	0	0	0	11
Brahmanbaria	0000	32	1002.3		1003.4	79.4	77.7	77.0	31.6		93		5.4		0	0	0	17	11	0	0	0	3
	0300		1003.9		1005.0	82.7	79.2	77.9	32.5	+1.9	86	+6	5.8		0	1	0	14	13	3	0	0	0
	1200		1000.8		1001.9	83.4	79.9	78.5	33.3		86		5.7		0	1	0	8	14	3	0	0	5
Sylhet (P.B.O.)	0000	115	999.8		1003.8	77.3	76.5	76.1	31.2		96		7.4		0	2	8	4	4	0	0	0	13
	0300		1001.2		1005.1	80.5	78.0	77.1	31.7		89		7.4		0	3	10	3	3	0	0	0	12
	1200		997.7		1001.6	82.8	79.3	77.9	32.3		86		6.5		1	0	1	1	5	1	1	0	21
Srimangal (R)	0000	77																					
	0300																						
	1200																						
DACCA																							
Mymensingh	0000	62	1001.6		1003.7	79.7	78.1	77.5	32.2		93		6.9		0	0	0	9	0	0	1	0	21
	0300		1003.0	+1.6	1005.1	81.7	79.2	78.0	33.0	+0.3	89	+2	6.3	−0.5	0	0	1	20	0	0	0	0	10
	1200		999.8		1001.9	84.0	79.9	78.2	33.0		83		6.2		0	0	0	12	0	0	1	0	18
Jamalpur (R)	0000	63																					
	0300																						
	1200																						
Naravangun	0000	26	1002.3		1003.2	80.6	78.3	77.6	32.1		90		7.1		0	0	3	13	12	2	0	0	1
	0300		1003.7	+1.4	1004.6	83.5	79.6	77.8	32.8	0.0	81	−5	7.5	+0.6	0	0	6	12	9	1	2	0	1
	1200		1000.6		1001.5	84.4	79.7	78.0	32.5		83		7.3		0	0	1	12	13	2	0	0	3
Dacca (Tejgaon)	0000	27	1001.6		1002.5	79.6	78.3	77.8	32.5		94		7.2		0	0	2	9	5	2	0	0	13
	0300		1003.2		1004.1	78.2	79.2	77.7	32.5		85		7.0		0	0	1	13	8	6	0	0	3
	1200		1000.9		1000.9	83.5	79.4	77.7	32.5		83		6.7		0	0	0	11	9	6	0	0	5

R—Register not received.

* Data rejected

(b) — Mean for 29 days.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF AUGUST 1962.

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 geopotential of 850/700 mbs. pressure level in Gpm.	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: Relative humidity.	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
DACCA—Contd.	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas										
Faridpur	0000	46	1000.9		1002.5	80.4	79.0	78.5	33.2		93		6.8		0	0	0	11	13	2	0	0	5
	0300		1002.6	−1.3	1004.2	83.3	79.8	78.0	33.2	−0.1	84	−2	7·5	+1.5	0	0	0	10	14	4	0	1	2
	1200		999.2		1000.8	84.3	80.7	79.1	34.1		84		6.8		0	0	0	13	15	3	0	0	0
KHULNA																							
Barisal	0000	11	1003.3		1003.7	80.3	78.7	78 2	32.8		93		5.7		0	0	5	1	0	0	0	0	25
	0300		1004.3	+1.8	1004.7	83.8	80.4	79.0	34.0	+1.2	86	0	6.2	0.0	0	0	5	7	13	0	1	0	5
	1200		1001.0		1001.4	83.9	80.1	87.7	33.4		84		5.9		0	0	2	10	5	0	3	0	11
Khulna (R)	0000	16																					
	0300																						
	1200																						
Satkhira	0000	16	1002.4		1003.0	79.9	78.9	78.5	33.3		95		6.4		0	0	0	0	0	1	0	0	30
	0300		1004.2	+2.7	1004.8	84.1	80.5	79.5	33.9	+0.2	85	−1	6.5	+0.7	0	0	1	0	1	3	0	0	26
	1200		1001.3		1001.9	83.6	80.1	78.4	33.5		85		6.0		0	0	0	0	1	3	0	0	27
Jessore (PT) (R)	0000	26																					
	0300																						
	1200																						
RAJSHAHI																							
/Pabnaj (R)	0000	48																					
	0300																						
	1200																						
Ishurdi	0000					79.1	78.3	78.0	32.2		96		7.6		0	3	9	11	7	1	0	0	0
	0300					83.0	80.0	78.7	33.6		87		7.6		0	0	8	10	11	2	0	0	0
	1200					83.2	79.7	78.0	33.0		85		7.3		0	0	10	11	9	1	0	0	0
Sirajgonj	0000	51	1001.2		1003.0	80 5	78.8	78.2	32.8		93		6.7		0	0	0	7	6	1	0	0	18
	0300		1002.5		1004.2	82.3	79.5	77.7	33.1		88		6.7		0	0	1	7	8	1	0	0	14
	1200		999.0		1000.7	83.1	79.9	78.7	33.4		87		6.2		0	0	0	5	8	0	0	0	18
Rajshahi (R)	0000	73																					
	0300																						
	1200																						
Bogra (P.B.O.)	0000	65	1000.2		1002.4	80.8	78.8	78.4	33.1		75		7.0		0	0	8	4	1	4	0	0	14
	0300		1001.8	+1.4	1004.0	82.7	79.8	78.3	33.5	+1.3	88	+1	7.3	+1.2	0	0	8	6	3	7	0	0	7
	1200		998.5		1000.7	84.1	80.2	78.5	33.5		84		6.6		0	0	8	7	3	7	0	0	12
Dinajpur	0000	123	998.0		1002.3	79.9	78.5	77.8	23.7		93		6 6		0	0	8	0	1	0	0	0	22
	0300		999.3	+1.1	1003.5	83.0	79.5	77.9	32.8	−0.2	85	−2	5.9	0.0	0	0	5	0	0	0	0	0	26
	1200		995.9		1000.1	85.0	80.4	78.3	33 3		82		5.2		0	0	5	0	0	0	0	0	26
Rangpur	0300	113	999.5		1003.3	79.5	78.4	78.2	32.6		95		6.5		0	2	17	2	4	1	1	0	4
	0300		1000.8		1004.6	82.2	79.5	78.3	33.2		88		6.3		0	0	14	8	7	0	2	0	0
	1200		996.8		1000.6	84.8	80.4	68.6	33.5		82		5.1		1	0	5	15	9	0	0	1	0

R — Registerd not received. (b) — Observation for 29 days. • — Data rejected.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF AUGUST, 1962

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 geopotential of 850/700 mbs. pressure level in Gpm.	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	GMT.	Ft.	Mb.	Mb.	Mb	°F	°F	°F	Mb.	Mb.	%	%	oktas										
Jammu (s)	0300	1200																					
	1200																						
LAHORE																							
Lahore P..B.O.	0000	702	975.6 (b)		999.4 (b)	80.8	77.7	76.2	31.0		85		2.8		0	3	7	4	1	1	2	0	13
	0300		976.8	+0.7	1000.6	83.9	78.4	76.2	30.7	+0.9	77	+4	3.6	+0.5	0	4	1	14	3	3	2	0	4
	1200		974.3		997.6	93.2	81.0	75.8	30.6		58		2.8		1	4	1	4	0	4	4	0	13
Lahore Cantt.	0000	709	974.8		998.8	80.5	77.5	76.1	30.8		87		3.6		0	2	3	11	1	0	1	0	13
	0300		976.2	—	1000.2	83.5	7.83	76.2	30.7	—	78	—	4.2	—	0	0	5	13	3	5	1	1	3
	1200		973.7		997.2	92.5	80.3	74.8	29.7		57		3.6		1	5	3	5	0	2	3	5	7
Sialkot	0000	830	970.3		998.2	80.5	76.4	74.6	29.2		83		1.2		0	3	0	1	0	0	0	0	27
	0300		972.4	+0.1	1000.3	82.7	78.2	76.6	31.0	+0.1	83	—1	3.3	—0.1	0	3	0	2	0	0	0	0	26
	1200		968.1		996.6	91.1	81.3	76.9	32.0		63		1.8		0	4	0	2	1	0	0	0	24
RAWALPINDI																							
Jhelum	0000	767	973.9		999.0	80.5	76.6	74.8	29.5		83		3.8		1	1	5	8	1	0	0	2	13
	0300		974.4	—	1000.3	83.3	77.5	74.7	29.6	—	76	—	4.3	—	2	2	4	6	1	3	0	2	11
	1200		971.6		997.1	92.4	79.3	73.5	28.2		54		2.6		0	1	1	14	0	7	0	1	7
Chaklala	0000	1667	944.1		1000.0	77.2	74.2	72.8	27.7		86		4.6		2	3	3	6	1	1	1	3	11
	0300		945.3	—	1001.0	79.6	74.6	72.8	27.2	—	79	—	4.0	—	0	8	7	6	0	0	0	1	9
	1200		942.8		997.3	89.7	77.5	72.5	27.2		57		2.7	—	0	3	2	10	2	3	1	0	10
Rawalpindi	0000	1675	943.8		999.9	77.7	74.8	73.2	28.3		87		4.5		4	6	7	2	0	0	1	1	10
	0300		944.8	+0.4	1000.6	81.6	75.7	73.0	27.9	+0.1	75	+1	3.6	+0.2	4	4	14	2	2	1	0	1	3
	1200		942.2		996.9	90.6	79.0	73.9	29.2		60		2.3		0	3	6	13	1	2	0	0	6
Campbellpur	0300	1175	*	—		(c) 83.7	(c) 76.9	74.4	28.5	—	72	—	1.5	—	0	4	2	13	0	3	(b) 0	1	6
	1200		*		*	(c) 95.2	79.3	71.6	26.9		47		1.1		0	2	0	16	0	5	(c) 0	0	5
SARGODHA																							
Khushab	0000	616	978.1		998.9	83.9	*	—	—	—	—		0.9		0	6	7	1	0	0	0	0	17
	0300		979.2	+0.1	1000.0	85.6	*	—	—	—	—	—	3.0	+0.6	0	4	16	2	1	0	0	0	8
	1200		976.7		997.0	96.9	*	—	—		—		1.1		0	2	11	9	5	1	0	0	3
Sargodha	0000	617	978.0		998.8	82.0	77.7	75.8	30.5		80		3.0		0	8	10	4	3	1	0	0	5
	0300		979.2	—	1000.1	84.2	77.8	76.4	31.2	—	77	—	3.5	—	0	13	10	3	0	3	0	0	2
	1200		976.9		997.3	95.1	80.5	74.1	28.8		51		2.8		0	6	13	4	1	6	0	0	1
Mianwali	0000	679	*		*	83.1	*	—	—		—		1.6		x	x	x	x	x	x	x	x	x
	0300		975.3	—	(a) 998.1	(a) 86.6	*	—	—	—	—	—	0.6		x	x	x	x	x	x	x	x	x
	1200		973.5		996.1	98.2	*	—	—		—		0.7		x	x	x	x	x	x	x	x	x
Lyallpur	0000	605	978.3		998.9	82.2	76.9	74.2	29.2		78		1.5		0	6	1	1	0	0	0	0	23
	0300		979.7	+0.7	1000.2	84.5	78.3	75.8	30.2	+1.1	75	+4	3.1	0.3	1	1	1	11	7	1	2	1	6
	1200		977.3		997.3	96.1	80.6	73.5	28.6		49		3.0		1	5	0	7	3	2	2	1	14
MULTAN																							
Montgomary	0300	558	979.3		998.1	83.2	76.8	74.5	29.6		73		1.0		1	1	0	10	2	3	0	0	14
	0300		981.1	+0.5	999.9	85.8	78.4	74.9	29.8	—1.3	70	—5	1.9	0.0	0	2	2	11	3	6	2	0	5
	1200		978.3		996.7	97.2	81.2	74.5	29.0		48		1.7		0	0	1	8	1	3	0	0	18
Multan P.B.O.	0000	404	984.2		997.9	85.3	77.4	73.6	28.5		68		2.5		0	0	2	4	16	2	0	0	7
	0300		985.5	—	999.2	87.2	78.4	74.5	29.0	—	66	—	2.5	—	1	1	1	4	12	9	0	0	3
	1200		982.8		996.0	100.7	80.7	71.5	26.7		40		3.5		0	3	2	2	18	4	1	0	1

(b) — Mean for 29 days
(c) — Mean for 28 days
(d) — Mean for 27 days
(a) — Mean for 30 days

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

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF AUGUST, 1962.

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 at M.S.L. or geopotential of 8,90,700 mbs. pressure level in Cpm.	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	32
	GMT.	Ft.	Mb.	Mb.	Mb.	°I	°F	°F	Mb.	Mb.	%	%	oktas										
MULTAN																							
Multan (Surf.)	0300	413	985.0	0.0	998.9	87.0	78.3	74.2	29.1	—2.6	66	—7	2.4	+0.6	0	0	0	0	19	0	0	0	12
	1200		982.2		995.8	100.4	80.2	71.0	26.0		39		2.9		1	0	2	0	18	0	0	0	10
Leiah	0000	487	*	1	*	81.8	72.7	68.3	23.4		63		1.5		3	2	4	0	11	6	2	0	3
	0300		*	—	*	91.0	79.3	73.1	28.6	—	56	—	1.7	—	2	0	5	3	10	5	0	0	6
	1200		*		*	99.9	81.1	71.1	27.6		42		2.5		4	2	4	1	10	7	0	1	2
BAHAWALPUR																							
Khanpur P.B.O.	0000	290	988.2		998.2	82.4	76.4	73.7	28.3		75		2.1		0	1	1	0	6	19	1	0	3
	0300		989.6	—	999.5	84.9	77.0	73.9	28.5	—	68		1.8	—	0	2	0	0	0	25	1	0	3
	1200		986.8		995.9	100.1	79.9	70.1	25.7		39		2.1		0	3	1	2	3	16	4	0	2
Bahawalpur	0300	384	987.3	+1.0	1000.2	87.2	78.3	74.3	29.1	—2.3	65	—7	1.3	—0.9	0	0	0	10	6	7	0	0	8
	1200		*		*	99.8	82.2	74.5	29.5		45		1.1		0	1	0	7	2	10	4	0	7
Fort Abbas	0000	475	983.5		999.6	84.6	77.9	74.4	29.6		73		0.0		0	1	1	2	10	13	1	0	3
	0300		984.3	—	1000.4	87.8	78.8	74.4	29.5	—	65	—	0.0	—	0	1	1	1	9	12	3	0	4
	1200		980.3		996.1	101.8	81.4	72.3	27.5		40		0.1		4	1	5	1	7	9	3	0	1
PESHAWAR																							
Chakdara	0000	2197	924.7		998.1	74.2	70.7	68.2	24.3		84		0.8		9	0	1	0	2	0	0	0	19
	0300		926.1	—	999.0	77.9	72.3	69.9	24.8	—	76	—	0.6	--	12	0	1	0	6	0	1	0	11
	1200		923.1		993.9	90.5	77.0	70.5	26.2		53		0.7		8	0	0	1	2	0	0	0	20
Peshawar	0000	1177	959.1		998.6	80.6	75.6	73.1	28.0		78		2.6		9	2	0	0	2	0	0	8	10
	0300		960.7	+0.1	1000.1	83.3	77.3	74.5	29.3	+2.4	75	+8	2.6	+0.6	12	1	1	2	0	0	0	8	7
	1200		957.4		995.8	94.2	79.9	73.3	28.3		51		3.0		10	12	1	1	1	1	1	3	1
Risalpur	0000	1047	963.2		998.2	81.6	76.1	73.2	28.4		77		3.3		0	4	10	2	0	0	0	0	15
	0300		964.9	—	999.8	84.5	76.6	72.7	27.7	—	68	—	3.5	—	0	3	3	5	0	0	0	0	14
	1200		961.5		995.6	96.5	78.7	70.6	25.4		43		2.6		0	5	14	8	0	1	0	1	2
Haripur	0300	1757	941.7	—	1000.2	80.4	74.3	71.5	26.5	—	75	—	3.5	—	5	16	1	1	0	1	0	7	0
	1200		938.9		995.9	92.2	79.6	73.9	29.5		57		1.2		2	3	0	4	3	18	0	1	0
Kohat	0000	1683	943.3		999.4	80.1	73.1	69.7	25.0		71		2.4		2	1	2	0	1	1	0	7	17
	0300		944.8	—	1000.5	84.3	74.5	70.0	25.2	—	62	—	2.5	—	5	0	4	3	1	3	0	5	10
	1200		942.0		996.5	94.1	75.8	67.4	23.0		42		3.4		1	2	2	0	4	2	2	5	13
D. I. KHAN																							
Bannu	0000	1263	954.3		996.8	80.8	74.0	70.3	25.6		71		1.2		0	0	0	0	0	0	0	0	31
	0300		956.5	—	998.2	86.7	77.4	72.5	27.9	+0.6	63	—2	2.6	+0.5	0	0	1	0	0	0	0	0	30
	1200		954.0		995.1	96.9	79.1	69.7	25.9		43		3.5		0	1	6	8	4	1	0	0	11
D. I. Khan	0000	570	978.8		998.0	83.8	77.1	73.9	28.0		72		0.2		1	0	4	0	1	0	1	0	25
	0300		980.0	+0.3	999.3	85.7	79.3	76.8	31.3	+0.3	74	+1	3.6	+1.8	0	12	2	0	0	0	0	0	17
	1200		977.1		995.8	98.1	82.2	76.0	30.5		49		2.4		0	5	0	0	0	0	1	0	26

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

Data not rejected.

DIVISION AND STATION	Hours of observation.	Height of barometer cistern above mean sea level.	Mean Pressure: Reduced to standard temperature and gravity.	Mean Pressure: Departure from normal.	Mean Pressure: Reduced to standard temperature and M.S.L. or geopotential of 850/700 mbs. pressure level in Gpm.	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
	GMT	Ft.	b.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas								7		
QUETTA																							
Sibi	0000	441	976.6		998.2	87.3	76.9	72.4	26.8		62		1.1		0	0	0	3	0	0	0	0	28
	0300		984.3	+0.9	999.3	88.9	77.5	72.7	27.0	—0.1	60	0.0	0.9	—0.5	1	5	0	10	7	5	2	1	2
	1200		981.8		995.1	106.1	79.0	65.5	21.5		31		2.1		0	1	0	3	18	6	1	0	2
KALAT																							
Nokkundi	0000	2229	926.2		999.8	81.5	56.4	29.0	5.4		15		*		16	0	0	0	0	1	0	14	0
	0300		927.5	—	1000.6	84.9	58.5	31.5	6.1	—8.0	15	—1.6	*	—	15	4	0	1	0	0	0	11	0
	1200		924.8		995.4	101.9	64.9	25.9	6.0		8		*		13	1	0	0	0	1	1	15	0
Turbat	0000	510	983.6		1000.5	82.3	77.9	75.7	30.6		81		0.6		0	2	0	0	2	8	7	1	11
	0300		985.0	—	1001.2	85.5	79.3	76.1	31.3	—	77	—	0.5	—	0	1	0	0	1	3	6	1	19
	1200		981.8		996.3	105.0	84.1	71.5	30.4		42		0.5		0	1	1	0	2	11	12	3	1
Jiwani	0000	185	974.7		1001.1	79.6	76.1	74.3	29.1		85	—	5.2		0	0	1	6	12	8	0	0	4
	0300		995.9	—	1002.3	80.9	75.5	75.1	29.1	—	81	—	5.4	-	0	1	1	8	11	8	0	0	2
	1200		993.4		999.7	84.8	77.8	75.2	29.5		72		3.5		0	0	0		18	10	1	0	0
Pasni (R)	0000	28																					
	0300																						
	1200																						
KARACHI DIVISION																							
Ormara	0000	15	1000.1		1000.6	79.7	77.6	77.0	31.3		91		6.8		0	0	0	0	0	8	20	0	3
	0300		1001.0	—	1001.5	81.8	78.4	77.0	31.6	+2.5	80	0.0	6.7	+0.5	0	0	0	0	1	6	23	0	1
	1200		998.5		99.	86.0	79.5	76.7	31.5		74		4.3		0	1	0	0	4	7	19	0	0
Lasbela	0000	292	*		*	83.4	80.7	79.4	35.0		88		4.2		*				*				*
	0300		*	—	*	83.6	80.9	79.8	35.0	+4.6	88	+6	3.9	—0.9	*				*				*
	1200		*		*	97.5	86.3	80.8	38.1		60		4.6		*				*				
Karachi (Manora)	0000	13	999.5		1000.0	79.9	75.3	73.5	27.9		80		6.7		0	0	0	0	0	3	20	3	5
	0300		1000.8	—0.2	1001.3	81.3	76.3	74.1	28.7	—1.6	80	—8	6.5	+0.2	0	0	0	0	0	3	23	2	3
	1200		999.2		999.7	85.7	80.0	77.5	32.5		79		5.4		0	0	0	0	0	10	21	0	0
Karachi (Mauripur)	0000	52	998.8		1000.6	79.8	76.6	75.1	30.1		86		6.1		0	0	0	0	0	10	18	2	1
	0300		999.8	—	1001.6	81.1	77.1	75.4	30.2	—	84	—	6.6	—	0	0	0	0	0	9	19	3	0
	1200		998.1		999.9	84.6	78.3	75.6	30.2		75		5.3		0	0	1	0	1	20	8	1	0
Karachi (City)	0300	20	1000.0	—	1001.3	81.6	77.4	75.6	30.2	—	82	—	5.6	—	x				x				x
	1200		999.1		999.8	84.7	78.4	76.0	30.3		74		4.7		x				x				x
Karachi (Airport)	0000	73	998.2		1000.7	79.8	77.0	75.7	30.5		88		5.4		0	0	0	0	0	8	16	3	4
	0300		999.3	—	1001.8	81.2	77.7	76.2	30.8	—	85	—	6.2	—	0	0	0	0	0	7	20	4	0
	1200		997.5		1000.0	85.0	78.6	75.7	30.4		74		6.1		0	1	0	0	0	16	13	0	0
Gadap	0300		x		x	80.2	75.9	73.4	30.8	—	81	—	7.3	—	0	3	0	0	0	15	13	0	0
	1200		x		x	85.1	76.1	71.3	26.6		66		6.4		0	2	0	0	0	17	12	0	0
HYDERABAD																							
Dadu (x)	0000	131																					
	0300																						
	1200																						

(R) — Data not received.

(x) — Data not available.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF AUGUST, 1962.

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: Departurre from normal.	Mean Pressure: Reduced to standard temperature and M.S.L. to geopotential of 850 mbs. pressure level in Gpm.	Mean Temperature of the Air and Humidity: Dry bulb.	Wet bulb.	Dew point.	Vapour pressure.	Departurre 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										
HYDERABAD—Contd																							
Mithi	0000	96	997.4		1000.6	81.5	80.1	79.7	34.5		92		3.4		0	0	0	0	0	12	0	0	19
	0300		998.9	—	1002.1	82.8	79.3	77.9	32.6	—	85	—	4.2	—	0	0	0	0	0	13	0	0	18
	1200		995.7		999.0	29.0	82.4	77.8	33.4		65		5.7		0	0	0	0	0	16	1	1	13
Nagarparker	0000	178	993.9		999.9	80.3	76.5	74.6	28.8		81		4.0		0	0	0	0	0	7	0	12	12
	0300		994.8	—	1000.7	82.5	76.4	76.5	28.5	—	76	—	4.6	—	0	0	0	4	4	2	7	9	5
	1200		992.5		998.0	91.4	79.0	73.1	28.1		59		4.4		1	1	2	7	1	5	5	6	3
Umerkot	0000	55	997.5		997.4	79.1	76.2	74.8	29.3		88		5.1		0	0	0	0	5	21	1	0	4
	0300		948.8	—	1000.7	82.2	77.3	75.1	29.4	—	79	—	5.9		1	0	0	0	6	21	0	1	2
	1200		996.2		998.1	92.8	74.8	74.0	29.1		55		6.2		0	1	0	1	3	21	2	2	1
Chhor	0000	19	998.9		999.3	79.5	73.5	74.1	25.5		83		4.4		0	0	0	0	1	15	0	0	15
	0300		1000.3	—	1001.0	82.1	77.1	75.2	29.4	—	79	—	5.2		0	0	0	0	3	21	0	0	7
	1200		997.4		997.7	91.6	78.9	73.4	28.1		56		4.0		0	1	0	0	1	20	1	0	8
Hyderabad	0000	98	995.9		999.3	80.5	75.8	73.5	28.3		80		2.7		0	0	0	0	3	25	0	0	3
	0300		997.1	+0.5	1000.5	82.6	76.4	73.5	28.2	+0.9	74	0	3.3	−0.2	0	0	0	0	1	26	1	0	3
	1200		995.2		998.4	92.3	78.8	72.7	27.4		55		2.8		0	0	0	0	8	19	0	0	4
Badin	0000	31																					
	0300																						
	1200																						
KHAIRPUR																							
Padidan	0000	153	992.3		997.8	80.8	75.5	73.1	28.1		77		1.2		0	0	1	22	5	0	0	2	1
	0300		994.0	—	999.2	83.6	76.6	73.5	28.4	—	72	—	1.5	—	0	0	0	24	3	0	1	1	2
	1200		991.1		996.2	101.9	79.7	69.0	25.4		36		2.0		1	1	2	12	13	0	2	0	0
Nawabshah	0300	124																					
	0300																						
	1200																						
Sukkur	0300	221	991.6	+1.3	999.1	84.2	77.4	74.0	29.6	+0.8	72	−2	2.5	+1.0	0	0	0	8	12	9	0	0	2
	1200		988.5		995.7	101.6	82.6	74.6	29.4		43		3.0		1	1	0	5	8	13	2	0	1
Kashmore	0000	225	x		x	81.3	71.5	66.5	22.4		61		0.8		x				x				
	0300		x	—	x	84.5	73.8	67.8	23.5	—	58		0.6	—	x				x				
	1200		x		x	103.9	81.3	70.3	26.5		34		1.3		0	4	0	0	6	0	1	0	20
Jacobabad	0000	183	991.5		997.8	84.3	81.9	80.9	36.2		89		1.5		0	0	6	15	7	1	0	1	1
	0300		992.9	+0.4	999.2	85.5	82.3	80.9	36.2	+2.6	85	+7	2.0	+0.6	0	2	7	14	5	1	1	0	1
	1200		989.6		995.7	100.6	84.9	86.3	42.3		65		1.7		1	0	4	6	19	0	1	0	0
JUNAGARH																							
Veraval	0300	26	(g) 1004.2	—	(g) 1005.2	(o) 80.0	(o) 77.2	75.7	(o) 30.8	—	(o) 86	—	(f) 6.3	—	1	0	0	0	(f) 0	4	11	6	3
	(g) 1200		(i) 1001.5		(g) 1002.5	(j) 81.7	(j) 78.4	(i) 76.8	(j) 31.9		(j) 86		(h) 6.4		0	0	0	0	(f) 0	5	12	3	1
ARABIA																							
Muscats (S)	0300																						

(S) — Observations suspended.

(T) — Data for 21 days.
(10) — Data for 20 days

(o) — Data for 16 days.
(f) — Data for 25 days.

(R)—Data not received.
(x)—Data rejected.
(g)—Data for 24 days.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF AUGUST, 1962.

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 geopotential of 850/700 mbs pressure level in Gpm	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	W	S	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										
HILL STATIONS																							
KASHMIR																							
Srinagar (x)	0000																						
	0300																						
	1200																						
Gulmarg (x)	0300																						
	1200																						
Gurez (x)	0300	—																					
	1200																						
Sonamarg (x)	0300	—																					
	1200																						
Dras (x)	0300	—																					
	1200																						
Kargil (x)	0300	—																					
	1200																						
Leh (x)	0000	—																					
	0300																						
	1200																						
Skardu	0000	7250	770.9		1369.0	63.6	53.7	45.4	10.5		53		3.2		0	1	1	0	0	6	9	1	19
	0300		771.9	—	1368.6	70.5	57 0	47.0	11.1	—2.4	44	—21	3.3	+0.2	0	3	4	0	0	2	6	1	15
	1200		768.2		1306.8	82.2	59.7	42 9	9.4		25		4.6		0	0	0	3	4	6	9	0	9
Misgar	0000	10190	699.8		3100.9	53.2	44.7	36.7	7.4		53		4.0		11	5	1	0	0	3	2	9	0
	0300		699.8	—	3101.2	59.7	48.1	37.5	7.8	—	45	—	3.6	—	4	9	2	6	1	2	1	5	1
	1200		696.8		3063 6	70.3	52.0	36.9	7.5		30		4ɔ1		0	7	2	13	0	0	4	5	0
Aliabad (x)	0300	—																					
	1200																						
Gilgit P.B.O.	0000	4789	844.9		1407.2	66.1	60.8	57.1	16.1		72		4.0		0	0	0	2	2	0	2	0	25
	0300		846.0	—	1417.8	76.3	64.8	57.5	16.3	—	52	—	3.1	—	0	1	1	2	0	0	2	1	24
	1200		841.8		1372.0	89.2	67.2	52.6	13.9		29		5.1		0	0	8	4	0	0	6	3	10
RAWALPINDI																							
Murree	0000	7113	780.8		1441.6	61.3	59.3	57.8	16.5		89		6.1		0	3	1	3	0	5	0	18	1
	0300		781.7	+0.1	1447.3	64.1	60.6	58.4	16.8	—1.1	82	—5	5.8	+1.3	0	4	4	3	0	0	6	4	10
	1200		780.7		1428.0	69.7	65.2	62.8	19.6		79		6.9		0	2	3	6	0	1	9	5	

(x) — Data not available.

* — Data rejected.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF AUGUST, 1962.

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: Departurre from normal.	Mean Pressure: Reduced to standard temperature and M.S.L. or geopotential of 850/700 mbs. pressure level in Gpm.	Mean Temperature of the Air and Humidity: Dry bulb.	Wet bulb.	Dew point.	Vapour pressure.	Departurre 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							10			
PESHAWAR																							
Drosh	0000	4806	847.0		1433.6	73.1	63.6	57.5	16.3		58		1.8		0	1	0	0	0	2	0	0	28
	0300		848.0	—0.6	1443.7	75.5	65.2	59.0	17.1	—1.2	56	—6	2.3	+0.5	0	1	0	0	0	2	0	0	28
	1200		843.7		1397.2	90.4	67.5	52.3	13.6		27		3.3		2	0	0	0	1	27	0	0	1
Cherat	0000	4272	*		*	*	*	—	—		—		*		3	1	0	6	17	0	0	4	0
	0300		*	—	*	73.1	70.3	69.3	24.2	+2.5	87	+7	*	—	5	4	0	6	9	4	1	2	0
	1200		*		*	82.2	74.8	71.5	26.4		70		*		0	3	2	7	16	2	0	1	0
Kakul	0000	4214	864.8		1431.3	70.0	66.7	65.0	21.0		83		4.2		8	8	4	3	2	1	2	3	0
	0300		865.9	—	1442.9	73.2	68.7	66.5	22.2	—	79	—	3.7	—	2	0	6	5	9	4	2	3	0
	1200		864.0		1425.8	80.4	71.8	67.6	23.1		67		3.4		1	0	2	7	8	10	1	2	0
Balakot	0000	3226	(x)		(x)	71.9	68.7	67.3	22.7		84		4.3		1	0	0	3	0	0	0	3	24
	0300		(x)	—	(x)	72.9	69.7	67.9	23.5	—	85	—	3.9	—	1	2	0	0	1	0	0	1	26
	1200		(x)		(x)	84.5	75.1	70.1	25.9		64		3.6		3	0	0	0	0	5	0	2	21
Landikotal	0000	3503	884.7		1413.6	74.5	70.3	68.3	23.6		81		2.1		0	14	0	0	0	0	0	0	17
	0300		885.8	—	1427.7	79.0	71.9	68.9	23.9	—	70	—	1.9	—	0	15	0	0	0	0	0	0	16
	1200		883.2		1407.5	87.6	75.1	69.6	24.6		55		2.9		0	3	0	27	0	0	0	0	1
Parachinar	0000	5673	*		*	*	*	—	—		—		3.3		0	0	0	0	0	*	0	0	31
	0300		821.4	—0.5	1432.5	69.2	63.1	58.7	17.5	—0.4	72	+5	2.4	—0.1	0	0	0	0	0	0	0	0	31
	1200		820.2		1416.3	79.4	66.4	58.7	17.4		51		5.5		0	1	0	22	0	1	0	1	6
D. I. KHAN																							
Miranshah	0000	3026	*		*	80.0	71.9	68.0	23.4		67		1.2		0	9	0	0	0	0	0	0	22
	0300		901.0	—	1431.0	81.4	72.7	68.9	23.9	+1.2	66	+5	2.0	—0.2	0	3	0	0	0	0	0	0	28
	1200		899.2		1422.5	92.0	78.0	71.8	27.0		53		4.5		0	24	1	1	0	0	0	0	5
Wana	0300	4503	*	—	*	77.7	67.0	60.5	18.3	—1.5	55	—11	1.2	—0.5	0	1	0	0	0	0	0	0	30
	1300		*		*	87.1	71.6	63.4	20.3		46			3.6	0	4	3	9	0	0	0	2	13
QUETTA																							
Fortsandeman (P.T.)	0300	4614	854.1	+1.3	1445.0	80.4	68.1	60.3	18.5	—1.4	53	—3	1.1	—0.4	2	2	1	0	0	1	2	1	22
	1200		850.9		1411.5	94.4	67.5	48.6	12.0		23		2.3		1	4	5	3	2	5	4	2	5
Fortsandeman (P.B.O.) (R)	0000	4615																					
	0300																						
	1200																						
Hindubagh	0000	5909	*		*	70.4	59.2	54.6	13.1		52		0.1		0	0	0	1	0	8	15	0	7
	0300		814.0	—	1420.5	75.5	61.2	51.3	13.3	—	43	—	0.9	—	0	0	1	1	0	8	15	0	6
	1200		811.2		1377.8	91.0	67.9	53.3	15.0		31		2.2		0	0	3	5	0	9	14	0	0
Loralai	0000	4690	848.8		1420.6	69.1	61.0	54.0	15.1		62		1.8		4	4	0	0	0	6	3	2	12
	0300		849.6	—	1425.7	77.8	65.4	56.9	16.4	—	51	—	3.3	—	2	4	2	0	1	1	11	6	4
	1200		847.4		1403.6	90.6	69.3	56.6	15.8		35		5.0		0	0	4	14	10	2	0	1	0
Harnai	0000	2861	903.3		1404.1	80.6	70.4	65.7	21.2		60		0.9		0	1	0	0	1	0	0	11	18
	0300		905.8	—	1415.8	83.3	80.0	66.1	34.1	—	57	—	1.2	—	1	1	1	4	2	0	0	5	17
	1200		879.2		1402.2	95.7	72.3	58.9	17.2		32		2.1		0	1	1	8	12	4	0	3	2

(x)— Data not available

(*) — Data rejected.

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 geopotential of 850/700 mbs pressure level in Gpm.	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										
Quetta (Samungali)	0000	5213	835.1		1435.3	65.5	53.6	42.6	9.7		46		0.4		0	0	6	9	1	2	0	0	13
	0300		836.1	—	1444.3	72.2	56.3	43.7	9.8	—	40	—	1.1	—	1	0	6	6	0	2	1	0	15
	1200		833.5		1411.3	90.6	61.0	34.2	7.7		16		1.3		0	0	0	2	1	3	17	8	0
Quetta (P.T.)	0300	5490	827.5	—0.2	1436.4	74.5	64.7	59.2	17.3	+2.4	59	+8	0.9	—0.1	0	1	0	0	0	2	0	0	28
	1200		825.5		1409.6	88.3	66.3	54.2	14.4		32		1.5		1	1	0	1	1	7	6	12	2
Quetta (P.B.O.)	0000	5560	825.6		1441.9	67.3	53.7	41.9	9.3		42		0.6		0	0	4	1	0	0	0	0	26
	0300		826.3	—	1446.3	75.6	58.6	43.5	10.8	—	37	—	1.0	—	2	1	9	4	0	0	0	0	15
	1200		824.2		1417.1	89.3	60.3	37.0	7.5		17		1.2		0	0	0	0	1	4	11	14	1
Chaman	0000	4311	861.2		1427.3	76.3	60.4	48.1	11.5		37		0.8		0	0	27	2	0	1	0	0	1
	0300		862.0	+0.4	1437.2	81.2	61.8	46.8	11.0	—0.5	31	—1	1.0	+0.4	0	0	21	3	1	4	1	0	1
	1200		859.3		1413.3	95.2	63.8	35.6	7.5		14		0.6		0	0	1	1	0	5	19	5	0
Nushki	0000	3416	890.5		1446.1	78.5	61.5	48.2	11.8		36		0.5		3	0	6	0	0	0	0	3	19
	0300		892.1	—	1465.9	82.9	63.9	50.3	12.6	—	33	—	0.5	—	7	0	11	2	1	0	0	6	4
	1200		889.4		1449.6	98.3	69.4	50.6	12.7		21		0.3		6	0	0	0	2	0	9	13	1
Dalbandin	0000	2788	907.9		1420.0	77.0	56.5	36.3	7.3		23		1.0		2	5	0	1	1	8	4	7	3
	0300		909.4	+1.4	1437.4	79.9	58.0	36.8	7.6	—4.4	21	—13	0.8	—0.1	2	7	1	4	1	7	1	3	5
	1200		906.5		1432.1	101.6	67.3	40.1	8.9		13		1.1		0	3	4	5	2	7	6	4	0
KALAT																							
Kalat	0000	6616	795.4		1448.7	59.8	*	*	*		*		0.9		1	0	0	0	21	3	3	3	0
	0300		796.3	+0.9	1450.3	68.6	*	*	*	—	*	—	0.6	—0.8	1	1	2	0	18	1	2	6	0
	1200		794.0		1411.0	83.0	*	*	*		*		0.8		7	0	1	0	2	0	5	16	0
Panjgur P.B.O.	0000	3180	896.4		1429.3	77.2	63.5	52.3	15.1		47		0.9		2	2	0	0	0	3	2	0	22
	0300		897.5	—	1442.6	78.4	63.8	52.1	15.0	—	45	—	1.3	—	6	0	1	1	0	2	0	2	19
	1200		894.7		1431.9	98.2	67.2	44.6	11.6		17		1.5		10	0	0	0	0	3	0	17	1

(*) — Data rejected.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF AUGUST, 1962.

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.	Velocity 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
CHITTAGONG																					
Rangamati	89.0		93	3,5	77.3		72	3	20.88		5.88	20	25	—	x	—	13	0	0	0	0
Cox's Bazar P.T.	85.1	—0.2	89	25,27,31	76.0	—0.1	73	14,15,21,	19.83	—7.92	5.23	15	22	+0.1	x	—	1	0	0	0	0
Chittagong P.B.O.	87.0		90	4	77.2		74	15	10.81		3.90	21	16		x		2	0	0	0	0
Chittagong P.T.	85.7	—0.2	91	4	76.9	+0.5	72	20	15.14	—5.28	3.98	21	16	—1.1	x		0	0	0	0	0
Maijdi Court (R)																					
Comilla (R)	88.9	+1.4	93	6	72.9	—4.0	60	8 days	9.79	—7.39	1.15	8	15	—2.8	x		0	0	0	0	0
Brahmanbaria	87.6	—1.8	91	6,13.	78.0	+1.8	74	19,20	13.27	+0.61	3.55	20	19	+2.2	3.8	—	5	0	0	0	0
Sylhet P.B.O.	86.4		93	4,6,14	76.8		74	20	32.43		4.19	19	26		x		11	0	0	0	0
Sreemongal (R)																					
DACCA																					
Mymensingh	87.2	—0.5	93	13	77.8	—0.5	73	20	13.85	—1.64	4.20	19	17	—1.7	x		6	0	0	0	0
Jamalpur (R)																					
Narayangonj	88.9	+1.1	92	4 days.	79.5	+0.7	74	20	9.72	—3.54	3.18	20	14	—3.6	5.1	+1.1	0	0	0	0	0
Dacca (Tejgaon)	87.3		91	4,13	78.8		74	20	10.59		2.59	20	16		x		4	0	0	4	0
Faridpur (R)	86.9	—0.2	90	11	79.1	+0.4	74	20	6.02	—6.11	1.81	20	13	—4.1	6.9	+1.3	2	0	0	0	0
KHULNA																					
Barisal (R)	87.5	+0.5	90	4 days,	79.0	+0.7	74	5	9.91	—5.03	1.02	4	18	—2.3	x		0	0	0	0	0
Khulna (R)																					
Satkhira	89.1	+0.6	92	1.6	78.3	—0.1	73	21,22	13.39	+1.82	3.20	21	20	+2.8	0.6	—1.7	1	0	0	0	0
Jessore P.T. (R)																					
RAJSHAHI																					
Pabna (R)																					
Ishurdi	88.0		92	2	77.9		72	24	4.75		1.03	20	15	x	x		1	0	0	0	0
Sirajgonj	87.0		99	1.3	78.2		75	20.21	7.04	—4.29	1.52	20	16	+0.8	2.3		2	0	0	0	0
Rajshahi (R)																					
Bogra (P.B.O.	87.9	—0.9	92	4	79.1	+0.5	75	20.21	10.85	—2.15	2.53	31	14	—2.4	2.6	+0.9	6	0	0	0	0
Dinajpur	88.4	—0.6	94	13	76.5	—2.4	73	19,31	25.37	+11.66	4.90	19	13	—2.3	x		2	0	0	0	0
Rangpur	88.7		93	11	78.6		75	18,19 20	13.37	—0.38	4.15	19	15	+1.0	2.9		0	0	0	0	0
KASHMIR																					
Jammu (x)																					
LAHORE																					
Lahore P.B.O.	95.9	—1.1	105	8	79.0	+0.3	71	21	4.60	—0.55	2.10	18	8	+2.3	2.6	+0.9	8	0	0	0	0
Lahore Cantt.	95.2	—	104	8	78.7	—	69	21	5.59	—	2.05	18	7	—	4.1	—	10	0	0	0	1
Sialkot	94.0	—0.2	104	8	77.4	—0.8	69	20,21	9.07	—0.23	2.51	28	9	0.0	2.5	+0.9	0	0	0	0	1
RAWALPINDI																					
Jhelum	95.4	—	105	4,8	78.2	—	71	4 days	9.57	—	2.62	28	9	—	3.1	—	15	0	0	0	1
Chaklala	91.7	—	100	2,4	74.1	—	66	20	16.60	—	3.58	10	13	—	4.2	—	19	0	0	0	0
Rawalpindi	93.6	—0.1	101	4	75.4	—0.1	66	20	13.99	+4.82	3.95	9	13	+3.9	2.0	+0.6	14	0	0	0	0
Campbellpur	*	—	—	—	80.1	—	72	20	3.50	—	1.90	20	6	—	3.8	—	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 AUGUST, 1962.

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.	Velocity Code Figure 93 or less: Fog.	Velocity Code Figure 93 or less: Haze (dust).	Velocity Code Figure 93 or less: Dust Storm.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
SARGODHA																					
Khushab	99.5	—0.3	107	8	81.3	+0.2	71	21	3.79	+0.28	1.74	21	4	+0.3	4.7	+0.1	5	0	0	0	1
Sargodha	97.5	—	106	9	80.2 (f)	—	70	21	4.64	—	1.80	19	5	—	5.7	—	10	0	0	0	0
Mianwali	100.4	—	109	9	79.0	—	63	21	4.24	--	1.70	21	4	—	(x)	—	0	0	0	0	1
Lyallpur	97.2	—0.8	104	8,9	80.8	+0.3	71	21,22	2.40	—1.18	1.85	21	3	—2.3	2.5	+0.1	3	0	0	0	1
MULTAN																					
Montgomery	100.0	—0.1	107	9	81.0	—0.7	71	21	2.51	—0.39	1.15	30	3	—0.7	1.7	—2.6	4	0	0	0	5
Multan P.B.O.	102.6	—	109	10	83.5	—	75	31	0.85	—	0.85	30	1	—	5.3	—	5	0	0	1	1
Multan Surf.	102.8	+3.9	110	10	84.2	+1.3	75	31	1.15	—0.67	1.15	31	1	—1.5	0.7	—1.3	4	0	0	0	4
Leiah	106.0	--	113	1,2	80.2	—	72	22	0.17	—	0.17	20	1	—	(x)	—	1	0	0	0	6
BAHAWALPUR																					
Khanpur P.B.O.	102.4	—	110	10	80.5	—	77	2,3,20	0.12	—	0.09	16	0	—	5.3	—	5	0	0	1	2
Bahawalpur	103.3	+2.7	108	10	•	—	—	—	0.40	—0.93	0.40	31	1	—1.3	5.1	+1.3	0	0	0	0	0
Fort Abbas	105.2	—	110	9	83.5	—	75	31	0.00	—	0.00	—	0	—	5.4	—	0	0	0	0	0
PESHAWAR																					
Chakdara	92.8	—	100	2.4	72.5	—	66	30	6.83	—	3.85	30	8	—	(x)	—	6	0	0	0	0
Peshawar	96.7	—1.5	103	2.4	79.4	+0.5	72	21	1.52	—0.51	1.34	19	2	—0.5	3.0	+1.3	9	0	0	0	3
Risalpur	98.5	—	106	2.4	79.3	—	69	31	2.29	—	0.94	21	5	—	4.4	—	11	0	0	0	4
Haripur	93.9	—	101	4	73.9	—	65	30	8.53	—	2.04	10	13	—	3.8	—	0	0	0	0	0
Kohat	97.8	—	105	4	78.5	—	71	21	3.75	—	1.40	19	5	—	4.5	—	14	0	0	0	1
D. I. KHAN																					
Bannu	99.7	—0.3	106	9	79.8	—0.5	71	30,31	1.58	—0.31	1.24	16	3	—0.1	1.9	—	0	0	0	0	0
D. I. Khan	100.6	+0.1	108	2	81.2	0.0	72	19,21	4.16	+2.26	3.20	19	2	—0.3	1.5	0.0	0	0	0	0	0
QUETTA																					
Sibi	107.2	+2.3	115	1.2	86.0	+0.7	78	11	0.00	—0.58	0.00	—	0	—1.1	4.6	—0.4	0	0	0	0	0
KALAT																					
Nokkundi	103.5	—3.4	111	23,24	77.7	—3.4	66	31	0.00	0.00	0.00	—	0	0.0	x	—	0	0	0	0	0
Turbat	107.5	—	117	30	X	—	x	—	x	—	x	—	x	—	x	—	0	0	0	0	1
Jiwani	87.0	—	93	18	78.7	—	76	30,31	0.00	—	0.00	—	0	—	8.5	—	0	0	0	0	0
Pasni (R)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		—	—	—	—	—
KARACHI																					
Ormara	80.0	+2.0	91	10,18	79.4	+0.9	77	28	0.00	—0.11	TV	16	0	—0.3	9.7	+1.1	0	0	0	0	0
Lasbela	103.7	+4.5	108	24	x	—	x	—	0.00(e)	—	0.00(e)	—	0 (e)	—	3.1	+0.2	0	0	0	0	0
Karachi (Manora)	88.8	+3.0	93	31	78.9	+0.4	76	16	0.75	—0.81	0.00	16	2	+0.4	x	—	0	0	0	0	0
Karachi (Mauripur)	87.5	—	93	11,16	79.3	—	76	11,16	1.03	—	0.85	16	2	—	13.3	—	1	0	0	0	0
Karachi (City)	87.3	—	92	16.17	78.6	—	75	16	0.00(e)	—	0.00(e)	—	—	—	x	—	1	0	0	0	0
Karachi (Airport)	88.9	—	96	11	78.9	—	77	5 days	1.68	—	1.22	16	3	—	10.6	—	2	0	0	0	0
Gadap	88.1	—	98	11	76.6	—	75	4 days	3.20	—	2.50	16	3	—	9.7	—	0	0	0	0	0

(e) Data for 28 days (R) Register not received. (x) Data not available.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF AUGUST, 1962.

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.	Velocity 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
HYDERABAD																					
Dadu	x	—	x	=	x	—	x	—	—	—	—	—	—	—	+	—	0	0	0	0	0
Mithi	95.6	—	104	9	78.6	—	75	1,4	1.38	—	1.22	16	2	—	2.4	—	0	0	0	0	0
Nagarparker	93.2	—	101	9,11	*	—	*	—	2.40	—	1.80	15	3	—	x	—	0	0	0	0	0
Umerkot	96.1	—	103	10	78.3	—	75	14	1.99	—	0.91	16	4	—	x	—	0	0	0	0	0
Chhor	94.8	—	101	11	78.3	—	75	14,26	3.60	—	2.17	17	4	—	4.0	—	5	0	0	0	0
Hyderabad	95.9	+0.1	103	11	79.9	+0.7	77	15,16	1.90	—0.13	1.02	16	2	—0.2	9.9	+0.9	0	0	0	0	0
Badin (R)																					
KHAIRPUR																					
Badidan	103.0	—	110	2	79.7	—	78	11 day	0.21	—	0.16	16	1	—	7.6	—	4	0	0	0	0
Nawabshah (R)																					
Sukkur	102.9	+1.7	108	11	80.7	+0.1	77	15	1.78 (c)	+0.66	0.75 (c)	11	4 (c)	+3.0	+	—	3	0	0	0	1
Kashmore	*	—	*	—	*	—	*	—	0.00	—	0.00	—	0	—	+	—	1	0	0	0	1
Jacobabad	103.6	—0.1	111	2	82.9	+0.7	78	17	0.84	—0.04	0.69	17	2	+0.7	7.4	+1.6	4	0	0	0	0
JUNAGARH																					
Veraval	x	—	x	—	x	—	x	—	x	—	x	—	x	—	x	—	0	0	0	0	0
ARABIA																					
Muscat (s)																					
HILL STATIONS																					
KASHMIR																					
Srinagar (X)																					
Gulmarg (X)																					
Gurez (X)																					
Sonamarg (X)																					
Dras (X)																					
Kargil (X)																					
Leh (X)																					
Skardu	87.0	—0.3	96	9	61.8	+0.3	49	29	0.17	—0.17	0.11	22	1	—0.1	4.5	+0.8	1	0	0	0	0
Misgar	76.3	—	85	6,7	51.6	—	44	22,29	0.89	—	0.25	10,31	4	—	4.8	—	0	0	0	0	0
Allahabad (X)																					
Gilgit P.B.O.	94.5	—	105	6	64.6	—	57	25	0.87	—	0.26	21	3	—	(a) 2.9	—	7	0	0	0	0
RAWALPINDI																					
Murree	72.8	—0.4	78	3	58.2	+0.8	53	21	9.84	—3.97	1.87	30	15	+0.7	4.4	+1.2	10	0	20	0	0
PESHAWAR																					
Drosh	96.6	+1.4	103	18	71.7	—0.9	62	21	0.78	+0.13	0.35	6	5	+1.1	4.4	+0.2	15	0	0	0	0
Chera	*	—	—	—	*	—	—	—	3.37	—1.57	0.68	28,29	9	+2.6	4.6	+0.1	6	0	13	0	0
Kakul	84.2	—	90	4	68.1	—	61	30,31	10.70	—	2.26	6	15	—	(x)	—	18	0	0	0	0
Balakot	89.1	—	96	13	69.7	—	63	30	7.62	—	1.87	21	14	—	1.5	—	4	0	0	0	0
Landikotal	91.9	—	100	4	72.3	—	63	21,31	1.52	—	1.28	21	2	—	x	—	6	0	0	0	0
Parachinar	84.5	—0.2	90	4,9	64.9	+0.1	55	20	4.90	+1.20	1.20	20	7	—0.6	2.3	+0.2	0	0	0	0	0

(R) — Register not received. * — Data rejected. (x) — Data not available. (a) — Mean for 30 days. (s) — Observations suspended.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF AUGUST, 1962.

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.	Velocity 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
D. I KHAN																					
Miranshah	94.8	+1.3	101	2	76.8	+0.1	69	21	1.26	+0.55	0.64	2	3	+0.4	*	—	0	0	0	0	0
Wana	93.3	+1.9	99	4,89	71.4	+1.3	64	22,24	0.00	—0.94	0.00	—	0	—3.2	3.3	—	0	0	0	0	0
QUETTA																					
Fort sandeman (P.T.)	97.8	+0.9	102	18	75.1	+1.8	68	28	0.86	—1.04	0.73	28	2	—1.8	x	—	0	0	0	0	0
Fortsandeman (P.B.O.) (R)																					
Hindubagh	93.1	—	99	5	68.4	—	59	14	0.00	—	0.00	—	0	—	6.7	—	0	0	0	0	0
Loralai	94.7	—	99	3.8	66.4	—	62	12	0.00	—1.22	0.00	—	0	—1.9	3.1	—	0	0	0	0	0
Harnai	97.4	—	103	8	78.5	—	68	31	0.70	—1.96	0.50	15	2	—2.3	x	—	0	0	0	0	0
Quetta (Samungli)	93.1	—	98	5,26	63.5	—	56	13	0.00	—		16	0	—	4.6	—	1	0	0	2	1
Quetta (P.T.)	90.9	—	96	5	63.8	—	57	13	0.00	—	0.00	—	0	—	2.5	+0.5	2	0	0	2	0
Quetta (P.B.O.)	93.1	—	9.8	5	66.4	—	61	14	0.02	—	0.02	16	0	—	3.0	+1.0	2	0	0	2	0
Chaman	96.3	—2.0	104	5	74.2	+0.9	69	12	0.00	—0.04	0.00	—	0	—0.1	x	—	0	0	0	0	0
Nushki	99.9	—	106	5	77.5	—	74	6	0.00	—	0.00	—	0	—	x	—	0	0	0	0	0
Dalbandin	103.7	—2.4	109	5.25,27	73.9	+2.3	65	30	0.00	—0.13	0.00	—	0	—0.2	5.1	+0.8	0	0	0	7	0
KALAT																					
Kalat	86.1	—3.7	96	5	*	—	*	—	0.08	—0.25	0.08	17	0	+0.9	x	—	0	0	0	0	0
Panjgur (P.B.O.)	100.1	—	105	5	74.2	—	63	31	0.00	—	0.00	—	0	—	5.7	—	0	0	0	0	0

(X) — Data not available. (R) Register not received. (*) — Data rejected.

REGD. No. S-1452

PAKISTAN WEATHER REVIEW, 1962

MONTHLY WEATHER REPORT

SEPTEMBER

(PUBLISHED BY THE AUTHORITY OF THE GOVERNMENT OF PAKISTAN)

Chief Features:

1. Generally weak monsoon in East Pakistan.

2. Torrential rainfall in Karachi and Hyderabad divisions and floods in Sialkot district of West Pakistan towards the end of the second weeks.

East Pakistan

The monsoon was generally weak and caused rainfall locally or at a few places in the province during the first week. It strengthened, however, temporarily between the 8th and 11th in the wake of a depression which formed in the central Bay of Bengal on the 8th and crossed the Circars coast by the 9th evening. Fairly widespread rain was experienced in the province on the 8th and 9th with locally heavy falls in Dacca and Chittagong divisions on the latter date, when Dacca recorded 5" and Brahmanbaria 3", Jessore and Sirajganj also recorded 3" each on the 13th. Despite deficient rainfall the province faced a grave flood situation during the first fortnight due to heavy downpours in the upper catchment areas of the rivers flowing across East Pakistan.

A wave of low pressure moved into Andaman Sea on the 14th. It moved north-westwards and developed into a depression in West Central Bay of Bengal by the evening of the 16th when it was centred within half a degree of latitude 17½°N and longitude 86°N. The depression deepened rapidy, and was centred at 03 hrs. GMT about 30 miles to the southwest of Gopalpur on the 17th and moved away northwest wards without cuasing any substantial increase in monsoon activity over East Pakistan where rainfall occurred locally or at few places between the 15th and 19th. Another depression moved from across Burma into northeast Bay and was centred at 03 hrs.GMT on the 20th within one degree of latitude 20° N and longtitude 90° E. It intensified into a cyclonic storm and was centred about 40 mile east-southeast of Calcutta at 03 hrs. GMT on the 21st. It moved northwestwards and became unimportant by the 26th over Uttar Pardesh. This storm caused fairly widespread rain, with locally heavy falls in Khulna division, on the 20th and over the whole province during the next three days except in Chittagong division where local rain fell throughout this period. The heavy rainfall associated with the cyclone was preceded by winds of gale force and the flights operating from and to Dacca were adversely affected as reported in the press.

A low pressure area lying in central and south Bay of Bengal caused scattered thunder-rain activitity in Chittagong Division and fairly widespread rain-fall in Dacca division on the 30th.

The total rainfall during the month was in large defect in Chittgong division moderate defect in Rajshahi division and normal elsewhere. Average over the region as a whole it was in moderate defect.

The mean maximum and the mean minimum temperatures were normal except in Rajshahi division, where the mean maximum temperature alone was above normal.

The mean relative humidity was normal over the region. The skies were more clouded than usual in Khulna division and normally clouded over rest of the region.

West Pakistan.

The depression formed in the northeast Arabian Sea on the 11th morning with centre near Dwarka, it deepened and moved slowly northwestwards lay at 03 hrs. GMT on the 12th about 40 miles from Dawarka. At about the same time a wave of low pressure crossed the northern parts of the province. It weakened thereafter into a depression by the 13th morning and became unimportant by the 16th under the combined influence of these monsoon strengthened and torrential rainfell in Karachi and Hyderabad divisions, with local falls in Khairpur, Bahawalpur, Rawalpindi and Lahore divisions, between the 10th and 13th. Principal amounts of rainfall were Parachinar 2" on the 6th, Rawalpindi 2" on the 11th, Jhelum and Nagarparkar 3" each on the 12th, Hyderabad 10", Karachi (Airport) 5" and Karachi (Manora) 4" on the 13th.

During the remaining part of the first fortnight three westerly low pressure waves affected the weather over West Pakistan. These caused scattered to local thunderstorms or showers in Peshawar, Rawalpindi, D. I. Khan, Quetta and Bahawalpur divisions between the 1st and 4th, in the first three divisions between the 6th and 9th, in Lahore and D. I. Khan divisions on the 8th and in Sargodha, Multan and Khairpur divisions on the 9th and fairly widespread in Peshawar and Rawalpindi divisions on the 5th and in Lahore division only on the 7th.

Another westerly low pressure wave moved across the northern parts of West Pakistan in the beginning of the third week and caused scattered thundershowers in Peshawar and Rawalpindi divisions between the 17th and 19th.

While it was still moving away northeastwards, the depression that formed in the Bay of Bengal moved westnorthwestwards to Rajasthan on the 19th. Thereafter it recurved slowly towards north-northeast and finally moved away across the East Punjab hills by the 23rd. Simultaneously another western disturbance moved across the northern parts of West Pakistan. Under their combined influence widespread and locally heavy rain fell in Lahore division on the 22nd. Sialkot and Lahore recorded falls of 5" and 2" respectively. As a result of the heavy donwpours in Lahore division and the Punjab hills, the river Ravi overflew its banks inundating large areas in Sialkot district and causing some loss of life and considerable damage to property, while in Lahore some houses cllapsed and air services were paralysed, as reported by newspapers. Rain or thundershowers were generally airly widespread in Rawalpindi and Peshawar divisions on the 20th, 23rd and 25th and scattered to local in D. I. Khan division on all the days, in Sargodha division on the 20th and 23rd, in Lahore and Multan divisions on the 23rd and in Peshawar division again on the 24th. Scattered light rain also fell in Lahore division on the 20th.

Between the 26th and 29th another western disturbance affected the province and caused fairly widespread thundershowers in Lahore and Rawalpindi divisions and local in Peshawar, D.I. Khan and Sargodha divisions on most of the days and in Quetta and Multan divisions only in the 27th and 28th.

The total rainfall during the month was in large defect in Kalat division, in moderate defect in Sargodha division and in slight defect in Multan division. It was in slight excess in Rawalpindi division and in large excess elsewhere. Averaged over the region as a whole it was in large excess.

The mean maximum temperature was above normal in Karachi division, normal in Hyderabad division and below it elsewhere. The mean minimum temperature was below normal in Kalat division and normal elsewhere.

The mean relative himidity was in defect in Kalat and Karachi divisions, normal in Multan, Quetta, Hyderabad and Khairpur divisions and excess elsewhere.

The skies were less clouded in Kalat division, normal in Karachi division and more elsewhere.

Table I contains the divisional means of rainfall, temperature, relative humidity and the cloud amount for the 18 Chief political divisions of Pakistan. These means area based on the observations at the Stations whose monthly means are given in the subsequent tables.

TABLE I.—DIVISIONAL MEANS FOR SEPTEMBER, 1962.

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
EAST PAKISTAN	"	"	"		°	°	mb	%	
Chittagong	5.50	12.12	—6.62	—55	+1.5	+1.7	+1.1	—2	—0.9
Dacca	10.95	11.04	—0.09	—1	+1.3	+0.4	0.0	0	+0.4
Khulna	8.39	8.78	—0.39	—4	+0.6	0.0	—0.6	—2	+1.0
Rajshahi	6.02	12.03	—6.01	—50	+2.1	—0.1	+0.5	—5	—0.7
Mean	7.49	11.09	—3.60	—32	+1.4	+0.6	+0.3	—2	—0.1
WEST PAKISTAN									
Kashmir (x)									
Lahore	6.05	2.81	+3.24	+115	—5.5	+0.5	+1.3	+7	+0.8
Rawalpindi	5.49	4.65	+0.84	+18	—3.7	—0.7	0.0	+11	+1.7
Sargodha	0.75	1.43	—0.68	—48	—5.5	+0.4	+2.9	+15	+0.6
Multan	0.80	0.91	—0.11	—12	—2.9	+0.1	—0.8	0	+0.6
Bahawalpur	1.17	0.13	+1.04	+800	—4.0	X	+0.4	+8	+0.2
Peshawar	3.34	1.42	+1.92	+135	—2.5	—1.2	+0.8	+10	+0.4
D. I. Khan	1.73	0.62	+1.11	+179	—3.8	—1.9	+0.8	+6	+0.3
Quetta	0.45	0.13	+0.32	+246	—3.2	—1.1	—1.3	—4	—0.2
Kalat	0.00	0.05	—0.05	—100	—5.3	—3.7	—4.5	—14	—0.3
Karachi	1.78	0.37	+1.41	+381	+4.5	+1.5	+0.1	—11	—0.4
Hyderabad	11.26	0.76	+10.50	+1382	—1.6	+1.4	+2.0	+5	+1.8
Khairpur	0.53	0.09	+0.44	+489	—2.9	+1.8	+2.6	+4	+0.9
Mean	2.35	0.70	+1.65	+236	—3.4	—0.9	—0.3	—1	+0.4
Junagadh (X)									

(X) Data not available.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF SEPTEMBER, 1962

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 geopotential of 850/700 mbs. pressure level in Gpm.	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 Observation 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										
CHITTAGONG																							
Rangamati	0000	208	999.4		1006.5	78.8	76.9	76.1	30.7		92		5.9		4	0	4	2	19	0	1	0	0
	0300		1000.4		1007.5	85.2	79.5	76.8	31.8		76		5.1		8	0	2	0	15	0	4	0	1
	1200		997.0		1004.0	84.3	79.3	77.1	31.9		80		6.0		2	0	1	0	17	3	3	0	4
Cox's Bazar (P. T) (g)	0000																						
	0300	38	1004.4	—1.8	1005.6	83.6	79.7	77.4	32.9	+1.2	82	—2	4.1	—1.1	1	0	0	8	7	3	1	2	2
	1200		1001.6		1002.9	82.3	79.0	77.5	32.3		86		4.4		0	0	1	2	8	7	3	2	1
Chittagong (P.B.O.)	0000	19	1004.6		1005.3	78.6	77.6	77.2	31.9		91		6.2		1	3	3	5	0	1	0	1	16
	0300		1005.9		1006.6	84.4	79.9	78.0	32.8		81		5.7		3	4	4	6	2	0	0	1	10
	1200		1002.7	4.0	1003.4	84.0	79.8	78.4	32.9		83		6.5		0	0	2	3	8	4	5	2	6
Chittagong (P.T.)	0000																						
	0300	46	1004.1	—2.0	1005.7	84.6	79.2	77.1	31.7	+0.4	79	—5	5.1	—0.4	4	4	3	9	1	0	0	0	9
	1200		1001.1		1002.7	82.7	78.7	77.4	31.7		84		5.6		1	0	3	2	6	7	4	2	5
Maijdee Court (R.)	0000	25																					
	0300																						
	1200																						
Comilla	0000	29	1003.8		1004.8	78.9	77.4	77.0	31.4		95		6.6		0	0	16	1	10	0	0	0	3
	0300		1004.6	—1.6	1005.6	84.6	80.3	78.2	33.4	+1.2	82	+2	5.7	+0.8	0	0	0	3	5	0	0	0	22
	1200		1000.8		1001.8	85.9	81.2	79.6	34.2		84		5.3		0	0	0	1	6	0	0	0	23
Brahmanbaria	0000	32	1003.7		1004.8	81.1	78.8	78.0	32.6		90		4.6		0	0	1	12	7	0	1	0	9
	0300		1005.5		1006.6	85.1	80.4	78.3	33.3	+2.2	81	+2	4.8		2	2	0	17	6	0	1	0	2
	1200		1001.7		1002.8	86.1	81.6	79.9	34.8		82		4.5		0	0	0	4	5	2	2	0	17
Sylhet (P.B.O.)	0000	115	1001.2		1005.2	78.1	76.8	76.1	30.9		94		6.2		0	2	2	3	0	1	0	0	22
	0300		1002.5		1006.4	83.7	79.2	77.3	32.1		82		5.8		0	2	17	4	0	0	0	0	7
	1200		998.4		1002.3	84.8	80.2	78.4	33.1		81		5.2		0	0	5	0	0	0	7	1	17
Srimangal	0000	77	1002.8		1005.5	77.4	76.0	75.4	30.0		93		3.0		0	0	0	0	0	0	0	0	30
	0300		1004.0	—1.5	1006.6	84.8	79.6	77.4	32.2	+0.7	79	—6	2.2	—2.7	0	1	2	0	1	0	0	0	26
	1200		1000.3		1002.9	85.8	80.6	78.5	33.4		79		1.9		0	0	0	0	0	0	0	0	30
DACCA																							
Mymensingh	0000	62	1003.0		1005.1	80.2	78.6	78.0	32.7		92		5.2		0	0	0	8	0	0	1	0	21
	0300		1005.0	—0.2	1007.1	83.4	79.3	77.6	32.3	—0.2	83	—2	5.5	—0.5	0	0	0	26	0	0	2	0	23
	1200		1000.9		1003.0	86.4	80.5	78.1	32.9		77		5.4		0	0	0	9	0	0	4	0	17
Jamalpur (R)	0000	64																					
	0300																						
	1200																						
Narayangonj	0000	26	1003.9		1004.8	80.9	79.1	78.2	33.1		91		6.2		0	2	2	7	2	1	0	0	16
	0300		1005.5	—0.5	1006.4	85.3	80.0	77.5	32.6	+0.1	80	—2	6.2	+0.1	0	0	6	5	2	2	0	0	16
	1200		1001.6		1002.5	88.9	80.4	78.0	31.8		78		5.6		0	0	1	6	2	0	0	0	21
Dacca (Tejgaon)	0000	27	1003.3		1004.2	79.5	78.1	77.7	32.3		94		5.9		1	0	0	6	2	0	0	0	21
	0300		1004.9		1005.8	83.2	79.2	77.5	32.2		83		6.2		2	1	0	6	1	5	0	2	13
	1200		1001.2		1002.1	84.5	79.7	77.7	32.5		80		4.9		1	0	0	6	2	2	1	0	18

"R"— Register not received.
(g)— Mean for 24 days.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF SEPTEMBER 1962.

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 geopotential of 850/700 mbs. pressure level in Gpm.	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.	oF	oF	oF	Mb.	Mb.	%	%	oktas										
DACCA—contd.																							
Faridpur	0000	46	1003.0		1004.6	80.7	79.2	78.7	33.4		93		6.1		2	1	0	6	5	1	0	1	14
	0300		1004.4	—0.4	1006.0	83.4	79.9	78.5	33.3	0.0	85	+4	6.6	+1.6	3	1	0	7	8	0	0	1	10
	1200		1000.6		1002.2	85.2	80.6	78.7	33.5		81		5.1		4	1	0	8	9	1	0	3	4
KHULNA																							
Barisal (R)	0000	11																					
	0300																						
	1200																						
Khulna (R)	0000	16																					
	0300																						
	1200																						
Satkhira	0000	16	1003.7		1003.4	79.5	78.5	78.9	32.8		95		6.3		0	1	0	1	0	0	0	0	28
	0300		1006.0	+0.2	1006.6	84.9	80.2	78.1	33.1	—0.6	81	—2	6.0	+1.0	0	3	0	0	1	0	0	0	26
	1200		1003.4		1004.0	83.9	79.9	78.2	33.1		84		5.9		0	1	0	0	0	0	0	0	29
Jessore (PT) (R)	0000	26																					
	0300																						
	1200																						
RAJSHAHI																							
Pabna (R)	0000	48																					
	0300																						
	1200																						
Ishurdi	0000					79.0	78.1	77.7	32.3		96		6.1		2	1	10	8	3	2	1	3	0
	0300					84.1	79.8	78.0	32.8		82		6.8		6	2	6	7	5	2	0	2	0
	1200					84.6	79.6	77.3	32.2		80		5.7		4	3	8	10	2	1	2	0	0
Sirajganj	0000	51	1003.0		1004.7	80.2	78.9	78.3	33.1		94		2.9		0	0	0	3	1	0	0	0	26
	0300		1004.4		1006.1	83.9	79.9	78.0	33.1		83		5.0		0	1	1	4	1	0	0	1	22
	1200		1000.4		1002.1	85.3	78.1	78.0	32.8		80		4.7		0	0	1	1	7	0	1	1	19
Bogra (P.B.O)	0000	65	1002.2		1004.4	79.8	78.5	78.0	32.7		94		4.6		0	0	0	3	2	0	0	0	25
	0300		1003.8	—0.7	1006.0	85.0	80.3	77.9	33.2	+0.3	81	—	5.7	+0.7	0	5	5	9	0	0	0	1	10
	1200		1000.0		1002.2	86.3	80.5	78.2	32.9		77		5.4		0	0	5	6	1	0	0	1	17
Dinajpur	0000	123	1000.2		1004.4	79.6	78.0	77.1	32.1		92		3.3		0	1	2	0	0	0	0	1	26
	0300		1001.6	—0.6	1005.8	86.0	80.5	78.3	33.1	+0.8	78	—7	3.1	—2.0	0	1	3	0	0	0	0	0	26
	1200		997.7		1001.9	86.3	80.8	78.5	33.4		78		3.5		0	0	3	0	0	0	0	0	27
Rangpur	0000	113	1001.3		1005.2	79.7	78.6	78.3	32.9		95		3.5		0	2	19	3	0	0	0	0	6
	0300		1002.7		1006.6	84.7	80.7	79.2	34.0		82		3.9		1	2	19	7	0	0	1	0	0
	1200		998.5		1002.3	85.5	81.1	79.3	34.3		82		3.9		0	1	8	11	1	3	0	0	6

(R) — Register not received

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF SEPTEMBER, 1962.

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 geopotential of 850/700 mbs. pressure level in Gpm.	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
KASHMIR	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	ok/tas										
Jammu (x)	0300	1200																					
	1200																						
LAHORE																							
Lahore (P.B.O.)	0000	702	979.8		1004.0	75.5	73.3	72.0	27.0		89		2.8		1	3	1	2	0	4	1	1	17
	0300		981.1	+0.2	1005.2	79.4	74.5	72.1	26.9	+1.7	78	+12	3.1	+1.7	1	3	0	5	1	3	0	1	16
	1200		978.7		1002.3	86.8	76.5	71.4	26.4		61		2.5		0	7	0	6	0	2	1	2	12
Lahore Cantt.	0000	709	979.2		1003.5	75.3	73.3	72.3	27.1		90		3.4		2	3	0	4	1	3	0	2	15
	0300		980.5	—	1004.8	78.4	74.4	72.3	27.3	—	82	—	3.4	—	1	5	2	4	4	2	1	2	9
	1200		978.1		1001.9	86.3	76.7	72.1	27.0		63		2.8		0	3	1	8	1	1	0	3	13
Sialkot	0000	830	(a) 974.1		(e) 1002.3	(c) 76.1	(c) 72.2	70.4	25.2		81		0.0		0	1	0	0	0	0	0	0	29
	0300		976.7	—0.1	1004.8	79.0	74.0	71.6	26.4	+0.9	78	+3	1.5	—0.1	0	1	0	2	0	0	0	0	27
	1200		973.9		1001.7	87.7	76.8	71.5	26.5		59		1.8		0	1	0	6	0	2	0	3	18
RAWALPINDI																							
Jhelum	0000	767	977.2		1003.7	74.1	71.2	69.6	24.8		86		2.0		0	0	1	2	0	1	3	6	17
	0300		978.7	—	1005.1	78.1	72.5	69.5	24.7	—	75	—	3.0	—	2	1	2	0	1	1	2	7	14
	1200		975.9		1001.6	89.3	75.6	68.5	24.0		51		2.8		1	1	3	5	2	1	3	2	12
Chaklala	0000	1667	948.0		1004.9	70.6	67.7	66.3	22.1		85		2.6		3	2	0	3	0	0	4	2	16
	0300		949.2	—	1005.7	74.5	69.2	66.8	22.2	—	76	—	3.0	—	2	4	2	1	1	0	1	4	15
	1200		946.6		1001.6	85.8	72.0	64.5	21.2		49		2.4		0	3	3	3	3	1	6	3	8
Rawalpindi	0000	1675	947.5		1004.6	71.3	67.7	66.3	21.5		82		2.3		4	6	2	0	0	0	4	0	14
	0300		948.6	—0.4	1005.3	75.6	69.7	66.8	22.1	+0.3	74	+16	2.9	+1.3	2	9	4	0	0	4	2	1	8
	1200		946.3		1001.6	85.8	73.3	66.4	23.3		54		2.6		0	0	4	4	4	2	7	0	9
Campbellpur (R)	0300	1175	*		*	*	*	—	—		—		2.3		1	4	3	4	0	2	1	0	15
	1200		*		*	*	*	—	—		—		2.3		0	2	0	16	2	2	0	0	8
SARGODHA																							
Khushab	0000	616	(b) 982.3		(b) 1003.5	77.0	*	—	—		—		*		0	4	7	2	0	0	0	0	17
	0300		983.8	—0.2	1004.9	79.4	*	—	—		—		1.9	+0.8	1	6	8	1	1	1	0	1	11
	1200		980.9		1001.5	91.9	*	—	—		—		1.2		1	1	13	6	5	0	0	0	4
Sargodha	0000	617	982.6		1003.8	75.5	72.2	70.3	25.5		85		1.6		3	3	9	3	0	1	1	0	10
	0300		983.9	—	1005.0	79.2	73.6	70.6	26.0	—	76	—	2.0	—	1	4	7	3	2	3	1	2	7
	1200		981.3		1002.0	90.8	76.1	68.7	24.1		49		1.7		2	3	9	6	1	5	0	2	2
Mianwali	0000	679	(f) 979.1		(f) 1002.6	76.1	71.8	68.9	24.7		79		0.9		*	*	*	*	*	*	*	*	*
	0300		979.1		1002.9	80.5	73.7	70.2	25.4		70		0.7		*	*	*	*	*	*	*	*	*
	1200		977.4		(b) 999.3	(b) 92.0	78.0	70.2	26.4		51		0.1		*	*	*	*	*	*	*	*	*
Lyallpur	0000	605	982.9		1003.7	77.9	73.6	71.6	26.4		81		1.2		1	3	0	5	0	0	0	0	21
	0300		984.2	+0.5	1004.9	78.8	74.0	71.7	26.5	+2.9	79	+1.5	1.9	+0.4	2	1	1	1	1	0	0	0	24
	1200		981.7		1001.9	*	75.9	68.0	23.6		48		3.9		4	1	1	3	3	0	2	1	15
MULTAN																							
Montgomery	0000	558	984.0		1003.1	76.7	73.2	71.2	26.3		84		1.3		3	3	1	1	1	0	0	0	21
	0300		985.7	+0.3	1004.8	80.4	74.0	71.2	26.8	+0.9	73	+4	1.3	+0.4	0	7	0	2	4	5	0	0	12
	1200		983.0		1001.7	89.7	76.6	70.4	25.4		54		2.0		2	2	1	2	8	1	0	1	15
Multan P.B.O.	0000	404	988.9		1002.8	78.4	72.6	69.5	24.8		74		1.0		2	2	2	7	6	6	0	0	11
	0300		990.1	—	1004.0	81.9	74.7	71.0	26.1	—	71	—	1.3	—	2	4	2	7	9	9	0	0	5
	1200		987.4		1000.8	95.4	75.6	65.1	21.3		37		2.3		4	3	2	2	9	3	0	0	5

(c) Mean for 28 days.
(e) Mean for 26 days.
(b) Mean for 29 days.
(f) Mean for 30 days.
(x) — Data not available.
(R) — Register not received.
* — Data rejected.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF SEPTEMBER, 1962.

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 pressure level of 850/700 mbs. pressure level in G.p.m.	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										
MULTAN—contd.																							
Multan (Surface)	0300	413	989.9	0.0	1004.0	82.7	74.2	70.0	25.0	—2.5	65	—4	1.4	+0.8	6	0	4	0	9	0	0	0	11
	1200		987.0		1000.7	95.4	75.4	65.1	21.0		36		1.8		3	0	2	0	11	0	0	0	14
Leiah	0000	487	(x)		(x)	76.2	75.6	74.5	30.0		98		1.1		7	0	0	2	0	0	0	0	21
	0300		(x)	—	(x)	82.8	75.2	71.7	26.4	—	69	—	1.7	—	2	2	0	1	5	0	0	0	20
	1200		(x)		(x)	94.2	77.8	69.7	25.1		45		3.4		2	1	0	5	6	1	0	0	15
BAHAWALPUR																							
Khanpur P.B.O.	0000	290	992.5		1002.6	77.6	73.2	70.7	25.9		80		1.2		1	5	0	0	1	11	0	0	12
	0300		994.0	—	1004.0	81.3	75.0	71.9	26.8	—	73	—	1.2	—	2	7	1	1	1	11	0	0	7
	1200		990.9		1000.6	94.1	76.8	67.9	23.8		43		1.3		2	9	0	0	0	6	4	1	8
Bahawalpur	0300	384	991.6	+0.9	1004.7	81.8	75.7	73.0	27.6	+0.4	75	+8	0.6	+0.2	0	1	0	5	3	4	0	1	16
	1200		*		*	94.0	79.3	72.7	27.5		49		1.1		0	1	0	2	0	6	0	1	20
Fort Abbas	0000	475	*		*	77.8	73.3	71.1	26.0		80		0.6		4	4	3	0	3	1	1	0	14
	0300		988.5	—	1004.8	82.2	74.9	71.0	26.3	—	70	—	0.4	—	4	5	2	1	7	5	3	0	3
	1200		985.1		1000.9	92.5	76.3	67.6	23.6		46		0.5		6	10	2	2	2	3	1	2	2
PESHAWAR																							
Chakdara	0000	2197	*		*	68.7	64.3	62.1	18.8		78		0.4		7	0	0	0	0	0	1	0	22
	0300		929.9	—	1004.0	71.3	65.9	62.6	19.5	—	74	—	0.9	—	12	0	0	0	0	0	0	0	18
	1200		926.9		998.9	84.6	71.6	64.8	21.1		52		0.8		2	0	1	0	20	0	1	0	6
Peshawar	0000	1177	963.8		1004.1	73.3	68.3	65.2	21.3		76		1.7		2	0	0	3	5	1	1	5	13
	0300		965.3	—0.3	1005.3	76.3	70.1	66.5	22.3	+2.2	72	+12	1.8	+0.3	4	3	0	1	3	0	0	5	14
	1200		962.1		1001.2	88.0	72.1	62.7	19.7		43		3.2		4	10	5	2	0	2	2	1	4
Risalpur	0000	1047	967.9		1003.5	78.9	69.8	67.6	23.0		81		1.7		1	4	6	2	0	1	2	0	14
	0300		969.4	—	1004.9	76.8	70.9	67.7	23.2	—	73	—	2.5	—	0	2	5	2	0	2	4	1	14
	1200		966.3		1001.0	89.8	72.8	63.1	13.8		41		2.6		1	2	10	4	1	2	4	0	6
Haripur	0300	1757	945.5	—	1004.9	75.2	68.8	65.3	21.4	—	71	—	2.9	—	1	16	5	4	0	1	0	3	0
	1200		943.0		1000.9	86.5	73.7	67.3	23.2		53		1.9		1	3	0	2	0	21	1	2	0
Kohat	0000	1683	947.8		1004.8	73.0	66.7	62.9	19.8		71		1.3		3	2	0	0	0	0	0	11	14
	0300		949.1	—	1005.8	77.7	68.1	62.6	19.6	—	60	—	1.7	—	2	1	2	1	0	0	0	16	8
	1200		946.4		1001.8	89.5	71.1	60.9	18.5		39		2.8		0	1	2	5	1	2	3	2	14
D. I. KHAN																							
Bannu	0000	1263	(b) 959.6		(b) 1002.7	73.2	68.5	65.1	21.7		78		1.1		0	0	0	0	0	0	0	0	30
	0300		961.0	—	1003.7	78.6	71.1	66.5	22.6	+1.1	68	+8	1.5	+0.6	0	1	1	0	1	0	0	0	27
	1200		958.4		1000.1	90.5	73.0	62.9	19.8		41		2.4		0	3	1	5	1	0	1	1	18
D.I. Khan	0000	570	(b) 983.5		(b) 1003.0	77.6	71.6	68.4	23.9		73		0.0		5	1	2	0	0	0	0	0	22
	0300		(b) 984.7	0.0	(b) 1004.3	80.0	74.0	71.1	26.0	+0.7	74	+5	1.3	+0.5	1	12	2	2	1	1	0	1	10
	1200		981.6		1000.5	93.1	77.2	69.4	24.3		47		1.9		1	4	3	1	0	1	0	1	9

(b) —Means for 29 days

(x) Data not available
* Data rejected

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF SEPTEMBER, 1962

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 geopotential of 850/700 mbs. pressure level in Gpm.	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.	%	%	okta										
QUETTA																							
Sibi	0000	441	*	—	*	81.1	68.9	60.9	18.6		55		1.5		1	2	0	1	0	0	1	2	23
	0300		989.1	+0.6	1004.2	81.7	70.0	64.3	19.3	—1.2	54	+4	1.6	+1.1	3	4	1	5	1	3	0	4	9
	1200		978.4		999.7	100.8	72.9	53.2	15.0		23		1.3		0	4	1	8	10	6	1	0	1
KALAT																							
Nokkundi	0000	2229	930.3		1006.0	70.9	50.8	26.7	4.6		20		0.0		16	4	0	0	1	0	2	7	0
	0300		932.2	—	1007.4	73.3	53.3	25.7	5.9	—4.5	19	—14	0.0	—0.2	13	3	2	1	0	2	0	9	0
	1200		929.8		1002.3	90.0	59.6	23.6	5.2		10		0.0		14	1	1	0	0	1	1	12	0
Turbat	0000	510	986.5		1003.7	77.2	69.0	61.9	20.7		64		0.0		0	3	5	0	0	0	8	2	12
	0300		989.5	—	1005.5	80.7	70.0	61.6	20.3	—	57	—	0.0	—	0	3	3	1	0	0	5	1	17
	1200		983.5		1000.4	103.4	75.3	57.7	17.2		24		0.0		2	4	5	0	0	1	12	2	4
Jiwani	0000	185	988.0		1004.3	77.0	72.3	67.9	24.9		79		1.9		3	1	2	1	1	6	3	1	12
	0300		999.3	—	1005.7	79.1	72.8	68.6	24.7	—	74	—	2.4	—	3	2	4	2	1	9	4	0	5
	1200		996.6		1002.9	86.0	75.8	70.1	25.8		61		0.9		0	0	0	0	11	17	2	0	0
Pasni (R)	0000																						
	0300																						
	1200																						
KARACHI																							
Ormara	0000	15	1002.7		1003.2	78.6	74.0	70.4	26.0		80		3.0		0	0	0	2	1	4	16	0	7
	0300		1003.7	—	1004.2	80.6	74.3	69.9	26.4	—1.2	74	—12	3.1	—1.8	0	0	1	2	0	1	17	0	9
	1200		1000.8		1001.3	87.6	75.7	68.3	24.9		58		1.6		0	0	0	0	4	3	21	2	0
Lasbela	0000	292	*		*	*	*	*	*	—	*		3.7		*				*				*
	0300		*	—	*	87.1	80.7	77.9	32.8	+4.8	72	—9	3.4	+0.9	*				*				*
	1200		*		*	97.5	83.5	76.5	32.8		56		3.8		*				*				*
Karachi (Manora)	0000	13	1002.2		1002.7	79.1	72.6	68.3	24.4		73		4.0		0	2	1	0	0	2	12	0	13
	0300		1003.7	—2.1	1004.2	80.3	73.7	70.0	25.5	—3.3	73	—1.3	3.8	—0.4	0	3	1	1	0	2	16	2	5
	1200		1001.3		1001.8	85.3	77.9	74.0	29.3		71		3.0		1	1	2	1	1	6	17	1	0
Karachi (Mauripur)	0000	52	1001.1		1002.9	78.8	75.0	73.1	28.6		82		3.0		3	1	1	1	0	1	15	7	1
	0300		1002.4	—	1004.1	79.6	75.6	73.6	28.4	—	83	—	4.1	—	3	2	1	1	0	3	13	5	2
	1200		1000.2		1001.9	85.7	75.8	71.7	26.6		61		3.0		1	1	1	2	2	15	6	2	0
Karachi (City)	0300	20	1003.0	—	1003.8	80.7	75.8	73.9	28.2	—	79	—	5.5	—	*	—	—	—	*	—	—	—	*
	1200		1000.6		1001.3	85.4	75.8	72.9	26.1		63		4.5		*	—	—	—	*	—	—	—	*
Karachi (Air Port)	0000	73	1000.4		1003.0	78.7	75.4	73.7	28.6		85		2.9		1	2	0	0	0	3	9	5	10
	0300		1002.0	—	1004.5	80.5	76.0	73.8	28.6	—	81	—	3.7	—	1	1	1	2	0	1	12	5	7
	1200		999.6		1002.1	86.4	95.5	68.9	25.2		60		2.9		0	2	0	2	1	17	6	1	11
Gadap	0300		*	—	*	(b) 80.9	(b) 73.8	(b) 71.0	25.3	—	71	—	3.0	—	3	2	0	0	0	(b) 7	11	1	5
	1200		*		*	(b) 87.7	(b) 73.1	(b) 65.0	21.2		49		9.8		2	2	0	1	1	(b) 15	8	0	0
HYDERABAD																							
Dadu	0000	131	*	—	*	(c) 80.2	(c) 74.4	(c) 71.5	26.5		75		0.2		0	0	0	0	(c) 0	— 0	0	0	28
	0300		999.0	—	1003.5	83.7	74.5	70.2	24.9	—	65		0.3	—	4	2	3	0	(b) 0	1	0	0	20
	1200		*		*	(b) 95.1	(b) 77.6	(b) 67.3	24.4		43		0.6		3	8	2	6	0	0	0	0	10

(a) Data rejected.
(b) Data for 29 days
(c) Mean for 28 days

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

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF SEPTEMBER 1962.

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 geopotential of 850/700 mbs. pressure level in G.p.m.	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
HYDERABAD—contd.	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb	Mb.	%	%	oktas										
Mithi	0000	96	998.9		1002.1	77.6	76.2	75.4	30.2		94		2.1		0	0	0	0	0	1	0	0	29
	0300		1000.2	—	1003.5	80.9	77.5	75.0	30.7	—	85	—	2.0	—	0	0	0	0	0	2	0	0	28
	1200		997.5		1000.6	93.6	81.0	75.7	30.4		58		2.2		0	0	0	1	0	5	1	3	20
Nagarparkar	0000	178	996.2		1002.2	78.8	75.2	73.0	28.2		83		1.6		0	0	0	2	0	0	1	14	13
	0300		998.1	—	1004.2	81.9	76.0	73.3	28.1		76		2.5	—	3	3	0	4	0	0	0	9	11
	1200		994.5		1000.5	91.2	77.5	70.6	25.8	—	52		1.9		1	4	0	5	0	4	1	4	11
Umerkot	000	55	1000.4		1002.2	76.8	74.8	73.7	28.5		91		2.9		0	1	1	0	8	12	1	0	7
	0300		1002.0	—	1003.9	80.5	76.4	74.4	29.2	—	82	—	4.8	—	0	2	2	2	7	13	0	0	4
	1200		998.8		1000.7	93.4	78.4	71.1	26.3		50		4.2		1	0	2	1	2	16	4	2	2
Chhor	0000	19	1002.0		1002.7	76.7	74.0	72.6	27.4		88		1.9		0	0	0	0	0	3	0	0	27
	0300		1003.7	—	1004.4	79.9	75.4	73.2	28.0		80		3.0		0	1	0	1	1	10	0	0	17
	1200		1000.2		1000.8	92.6	76.8	68.7	24.4		47		2.5		1	1	0	0	1	7	1	0	19
Hyderabad	0000	98	999.0		1002.5	78.4	74.1	71.9	26.7		82		3.1		1	3	0	0	7	13	0	0	6
	0300		1000.2	—1.5	1003.9	80.5	75.1	72.7	27.2	+2.0	77	+5	3.1	+1.8	3	2	0	0	7	10	1	0	7
	1200		998.4		1000.7	92.1	76.3	68.1	23.4		49		2.6		0	3	0	0	9	9	0	0	9
Badin	0000	31																					
	0300																						
	1200																						
KHAIRPUR																							
Padidan	0000	153	996.7		1002.0	77.6	72.2	69.1	25.2		75		0.8		2	2	2	12	3	0	1	2	6
	0300		998.5	—	1003.8	80.1	73.8	70.5	26.2	—	74		0.8	—	4	3	0	18	0	2	0	1	2
	1200		995.5		1000.8	93.1	75.8	63.8	23.1		37		1.5		6	1	2	3	11	1	0	4	2
Nawabshah (R)	0000																						
	0300																						
	1200																						
Sakkur	0300	221	996.1	—0.2	1003.6	82.5	75.7	72.1	27.8	+0.6	71	—2	1.5	+1.1	3	2	0	3	8	11	0	0	3
	1200		993.0		1000.4	96.4	78.8	70.4	43.3		44		1.5		7	4	0	5	3	6	1	4	0
Kashmore	0000	225	*		*	80.6	71.8	66.7	22.7		63		0.7		*	—	—	—	—	*	—	—	*
	0300		*	—	*	83.9	73.7	68.3	23.6	—	60		0.6		*	—	—	—	—	*	—	—	*
	1200		*		*	95.7	76.1	65.8	22.6		38		1.1		0	8	0	0	1	0	1	0	20
Jacobabad	0000	183	996.0		1002.3	81.6	79.3	78.9	33.5		88		0.7		0	3	6	9	5	0	0	2	5
	9300		997.6	+0.5	1003.9	83.2	79.4	77.8	33.0	+4.6	83	+10	1.2	+0.7	2	3	5	7	2	3	0	0	8
	1200		994.9		1000.8	95.8	84.5	80.0	35.7		53		0.9		2	0	3	9	10	4	0	1	1
JUNAGARH																							
Veraval	0300	26	(d) 1005.6	—	(d) 1005.6	(n) 80.0	(n) 76.8	(n) 75.1	29.9	—	86		(d) 3.0	—	3	1	0	0	(d) 0	4	8	4	7
	1200		(j) 997.7		(j) 1000.7	(n) 82.0	(n) 77.8	(n) 75.8	30.2		83		(j) 4.1		0	1	0	0	(j) 1	2	11	5	2
ARABIA																							
Muscat (S)	0300																						
	1200																						

(S) Observations suspended.
(R) Register not received.

(d) Data for 27 days.
(n) Data for 17 days.
(j) Data for 21 days.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF SEPTEMBER, 1962

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. in accordance with M.S.L. 760 mbs. pressure level in Opm.	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
	GMT.	Ft.	Mb.	Mb.	Mb.	oF	oF	oF	Mb	Mb.	%	%	oktas										
HILL STATIONS																							
KASHMIR																							
Srinagar (X)	0000																						
	0300																						
	1200																						
Gulmarg (X)	0300	—																					
	1200																						
Gurez (X)	0300	—																					
	1200																						
Sonamarg (X)	0300																						
	1200																						
Dras (X)	0300																						
	1200																						
Kargil (X)	0300																						
	1200																						
Leh (X)	0000	—																					
	0300																						
	1200																						
Skardu	0000	7250	774.0		1415.0	56.2	48.8	42.1	9.3		59		5.5		0	0	1	0	1	5	7	1	15
	0300		775.1	—	1420.5	60.6	50.9	42.8	9.2	—1.3	52	—9	5.1	+2.6	0	1	2	1	1	5	4	0	16
	1200		772.0		1369.4	70.7	53.0	36.5	7.3		30		6.0		0	0	2	1	4	2	8	0	13
Misgar	0000	10190	*		*	43.8	38.1	31.2	6.0		62		4.5		2	2	1	4	1	2	2	16	0
	0300		700.6	—	3110.2	47.3	40.4	32.8	6.4	—	58	—	4.3	—	5	11	1	3	0	5	1	3	1
	1200		698.6		3087.0	57.0	44.1	30.8	5.9		36		4.2		0	0	2	10	1	6	4	6	1
Allabad (X)	0300	—																					
	1200																						
Gilgit (PBO)	0000	4789	848.9		1448.3	59.1	54.3	50.4	12.5		71		4.3		0	0	2	0	0	0	5	1	22
	0300		850.3	—	1461.8	66.2	58.2	52.0	13.3	—	61	—	4.0	—	0	0	1	0	1	1	3	2	22
	1200		846.3		1420.4	77.3	61.8	50.2	12.7		40		5.6		1	0	7	3	1	5	4	1	8
RAWALPINDI																							
Murree	0000	7113	782.5		4170.7	55.6	52.4	49.5	12.3		82		3.4		0	1	0	6	0	0	0	23	0
	0300		783.3	—12	1472.1	59.0	54.2	50.3	12.7	—0.3	74	+7	4.2	+2.0	0	1	2	5	0	0	8	4	10
	1200		782.4		1456.0	63.9	58.7	55.6	15.0		74		5.2		0	2	2	3	0	2	8	6	7

(b) — Mean for 29 days.

(x) Data not available.
* Data rejected.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF SEPTEMBER, 1962

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 geopotential of 850/700 mbs. pressure level in Gpm.	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
PESHAWAR	G.M.T.	F.T.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas										
Drosh	0000	4806	850.3		1467.3	65.0	56.2	48.5	11.9		56		1.4		0	0	0	0	0	4	0	0	26
	0300		8516.	—1.5	1480.2	64.8	56.8	50.5	12.6	—0.2	60	+2	2.5	+1.3	0	0	0	0	0	0	0	0	30
	1200		847.8		1440.8	80.5	60.5	43.6	9.9		28		4.0		0	1	0	1	0	24	0	0	4
Cherat	0000	4272	*		*	*	*	—	—		—		1.3		0	2	0	2	11	1	1	1	12
	0300		*	—	*	*	*	—	—	—	—	—	1.8	+0.3	5	2	0	1	7	0	1	5	9
	1200		*		*	*	*	—	—		—		2.1		3	0	0	4	9	1	0	0	13
Kakul	0000	4214	867.8		1459.3	64.5	60.2	57.0	16.1		78		2.6		9	13	2	0	1	1	1	3	0
	0300		868.9	—	1471.2	67.7	63.0	59.8	17.8	—	76	—	3.1	—	1	1	1	4	10	4	5	4	0
	1200		866.9		1454.0	75.7	66.1	60.2	18.0		60		3.1		1	2	2	4	10	4	3	4	0
Balakot	0000	3226	(x)		(x)	(b) 65.3	(b) 61.3	58.5	16.9		79		1.5		1	5	0	0	0	1	1	0	23
	0300		(x)	—	(x)	65.5	(b) 61.6	58.8	16.9	—	79	—	2.3	—	2	0	0	0	0	1	0	1	26
	1200		(x)		(x)	80.9	68.7	62.4	19.0		52		2.7		2	0	1	1	0	1	0	1	25
Landikotal	0000	3503	888.3		1441.7	65.7	62.1	59.6	17.6		82		0.9		0	4	0	0	0	1	0	0	25
	0300		889.3	—	1457.0	72.5	65.0	60.4	18.1	—	66	—	1.0	—	0	0	0	1	0	1	0	0	28
	1200		886.8		1437.6	80.9	66.9	58.0	16.8		47		2.5		0	1	0	18	0	5	0	0	6
Parachinar	0000	5673	823.6		*	*	*	—	—		—		2.6		0	0	0	0	0	0	0	0	30
	0300		824.8	—0.4	1472.7	60.5	55.2	50.7	13.0	+0.5	71	+15	1.1	—0.3	0	0	0	0	0	0	0	0	30
	1200		823.2		1449.2	72.8	59.4	49.5	12.5		45		4.3		0	3	0	14	0	0	0	0	13
D. I. KHAN																							
Miranshah	0000	3026	(b) 903.5		(j) 1443.3	(h) 71.0	*	—	—		—		0.5		0	3	0	0	0	0	0	0	27
	0300		905.4	—	1465.2	74.0	*	—	—	—	—	—	0.8	+0.2	0	1	0	0	0	0	0	0	29
	1200		902.3		1451.0	84.3	*	—	—		—		1.5		0	18	0	1	0	0	0	0	11
Wana	0300	4503	*	—	*	67.4	50.9	52.4	13.1	+0.6	59	+5	0.9	+0.1	0	0	0	0	0	0	0	0	30
	1200		*		*	79.8	64.4	53.6	13.7		41		2.8		0	3	0	1	0	0	0	1	25
QUETTA																							
Fortsandeman (P.T.)	0300	4614	857.4	+0.8	1480.0	71.1	60.1	49.5	13.3	—0.2	50	—1	0.6	—0.0	1	2	1	0	0	2	2	0	22
	1200		854.0		1446.0	86.4	60.1	33.1	7.1		17		1.1		0	1	4	4	0	2	2	0	17
Fortsandeman (P.B.O.)	0000	4615																					
	0300																						
	1200																						
Hindubagh	0000	5909	*		*	59.4	50.6	42.6	9.5		55		0.0		0	0	0	0	0	7	18	0	5
	0300		*	—	*	65.1	53.4	41.9	9.7	—	45	—	0.6	—	0	0	0	0	0	7	18	2	3
	1200		*		*	84.5	60.6	43.6	9.8		28		1.1		0	0	0	2	1	12	13	2	0
Harnai (R)	0000	2861																					
	0300																						
	1200																						
Loralai	0000	4699	852.2		1451.1	61.0	52.8	44.7	10.3		56		1.5		5	5	1	0	4	6	3	0	
	0300		853.0	—	1461.5	68.7	57.8	48.2	11.9	—	50	—	2.3	—	1	2	1	0	0	1	10	11	
	1200		850.0		1430.9	82.6	66.0	55.4	15.1		41		4.1		0	0	4	10	11	4	1	0	
Quetta (Samungli)	0000	5213	833.1		1469.4	52.5	43.7	31.7	6.6		47		0.2		0	0	5	7	0	2	0	0	1
	0300		839.1	—	1478.7	58.4	46.9	32.3	6.9	—	38	—	0.4		0	0	5	5	0	0	0	0	2
	1200		836.6		1445.8	81.4	53.2	19.0	3.7		11		0.6		1	0	1	0	0	0	15	12	

(R) Register not received.

* Data rejected.

(x) Data not available.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF SEPTEMBER, 1962

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 geopotential of 850/700 mbs. pressure level in Gpm.	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: Relative humidity.	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										
Quetta (P.T.)	0300	5490	830.7	—1.4	1474.3	64.5	54.6	46.8	11.0	+0.8	52	0	0.2	—0.1	0	1	0	1	0	2	0	3	23
	1200		827.6		1437.9	78.9	58.2	40.8	9.1		28		0.8		4	0	0	0	2	1	2	20	1
Quetta (P.B.O.)	0000	5560	828.1		1473.9	55.9	45.6	32.7	6.8		44		0.1		1	0	14	1	1	0	0	0	13
	0300		828.8	—	1476.6	64.8	50.3	35.1	7.2	—	35		0.5		1	2	11	2	2	0	0	0	12
	1200		827.0		1451.2	80.0	55.3	30.9	7.9		18		0.7		0	0	0	0	0	4	5	16	5
Chaman	0000	4311	864.4		1457.2	64.5	47.5	23.6	4.4		21		0.0		0	0	0	0	5	4	5	16	5
	0300		865.1	—1.2	1464.4	69.9	50.4	25.4	4.7	—3.2	19	—12	0.0	—0.2	0	0	23	2	5	0	0	0	0
	1200		862.2		1436.5	85.3	57.6	27.0	5.1		12		0.1		5	1	16	3	6	0	5	0	0
Nushki	0000	3416	895.2		1482.0	67.6	53.2	39.7	8.1		37		0.0		5	1	16	0	0	0	0	3	5
	0300		897.8	—	1510.8	72.8	56.9	42.8	9.4	—	36		0.0		5	1	14	0	0	0	1	3	6
	1200		894.9		1496.4	88.6	63.1	42.4	9.4		21		0.3		1	0	0	0	1	0	20	8	0
Dalbandin	0000	2788	912.3		1448.7	63.5	49.6	32.8	6.5		33		0.3		3	10	0	0	0	5	2	3	7
	0300		913.9	+0.6	1463.3	65.6	49.4	28.6	5.5	—2.6	25	—9	0.4	0.0	1	5	4	0	0	1	4	1	14
	1200		911.2		1467.9	91.9	63.2	37.0	8.2		15		0.4		1	4	5	10	1	6	1	0	2
KALAT																							
Kalat	0000	6616	797.7		1479.6	47.7	*	*	*		*		0.0		0	2	0	0	27	0 (b)	1	0	0
	0300		798.1	—0.9	1480.6	57.9	*	*	*	—	*		0.0	—0.3	3	1	0	2	21	0	1	1	0
	1200		796.6		1449.2	74.2	*	*	*		*		0.0		10	1	2	0	2	1	2	12	0
Panjgur (P.B.O.)	0000	3180	899.8		1451.1	65.4	51.4	35.4	7.5		35		0.4		3	7	3	0	0	0	2	2	13
	0300		901.1	—	1464.6	67.2	52.4	35.4	7.2	—	32		0.6		1	9	5	0	1	0	3	1	10
	1200		898.5		1458.7	88.3	61.8	37.4	6.4		19		0.6		20	0	0	0	0	1	1	7	1

* — Data rejected.

(R) — Data not received.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF SEPTEMBER, 1962

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		
																			For.	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
CHITTAGONG																					
Rangamati	92.2		95	5days	78.0		74	17,27	18.58		5.78	3	12		x		22	0	0	0	0
Cox's Bazar (P.T) (g)	88.4	+2.0	92	7,9	77.0	+1.1	73	21,22	8.12	—7.13	4.75	21	11	—3.4	x		8	0	0	0	0
Chittagong (P.B.O.)	89.6		95	8	77.8		74	21	9.31		2.65	10	11		x		11	0	0	0	0
Chittagong (P.T)	89.2	+2.1	94	8	77.3	+0.9	74	21,22	9.03	—3.61	2.07	27	14	+1.0	x		0	0	0	0	0
Maijdee Court (R)																					
Comilla	90.9	+2.3	96	9	78.0	+1.1	74	5	3.82	—7.53	1.09	11	9	—4.7			6	0	0	0	0
Brahmanbaria	89.9	—0.3	93	9	79.9	+3.4	75	23	5.66	—3.94	2.85	10	5	—8.1			9	0	0	0	0
Sylhet (P.B.O.)	89.9		95	20	77.4		74	6,24	6.91		2.09	14	12				12	0	2	0	0
Srimangal	91.9	+1.6	95	3,9,10	77.2	+1.9	75	7	0.89	—10.88	0.72	18	2	—13.9	1.1	—1.4	0	0	0	0	0
DACCA																					
Mymensingh	89.7	+1.9	95	9	77.8	0.0	72	23	8.59	—5.50	1.99	22	10	—4.7	x		9	0	0	0	0
Jamalpur (R)																					
Narayanganj	90.9	+2.2	94	5	79.6	+0.8	74	8	13.91	+4.15	3.13	22	14	+1.9	3.2	+0.3	6	0	0	0	0
Dacca (Tejgaon)	89.0		93	9	78.0		72	8	15.55		4.57	9	11		x		15	0	0	0	0
Faridpur	87.7	—0.1	91	19	78.9	+0.4	75	22,23,30	10.34	+1.08	3.58	22	18	+6.0	x		7	0	0	0	0
KHULNA																					
Barisal (R)																					
Khulna (R)																					
Satkhira	90.2	+0.6	94	3	78.3	0.0	75	10	8.39	—0.39	1.65	23	11	—1.2	0.8	—0.7	6	0	0	0	0
Jessore ("R")																					
RAJSHAHI																					
Pabna (R)																					
Ishurdi	89.5		94	9	78.2		73	23,24	2.73		1.32	22	5		x		0	0	0	0	0
Sirajganj	88.8		94	9	77.7		73	13	12.30	+2.61	2.67	13	9	—2.8	1.7		4	0	0	0	0
Bogra (P.B.O.)	90.3	+1.2	94	26	79.1	+1.2	74	22	2.51	—8.78	0.99	22	5	—7.6	2.0	+0.6	0	0	0	0	0
Dinajpur	91.6	+2.9	96	9	76.6	—1.3	72	22,23	3.90	—9.15	1.03	21	7	—5.5	x		0	0	0	0	0
Rangpur	91.3		95	9	78.4		74	10	5.38	—8.72	1.04	22	10	—2.9	2.1		1	0	0	0	0
KASHMIR																					
Jammu(x)																					
LAHORE																					
Lahore (P.B.O.)	89.9	—7.4	99	4.6	74.5	+1.4	63	30	5.64	+3.44	2.16	22	5	+2.5	1.9	+0.6	7	0	0	0	0
Lahore Cantt.	89.1	—	98	4	74.1	—	64	29	6.45	—	3.30	22	6	—	3.4	—	9	0	0	0	0
Sialkot	91.0	—3.6	99	17	73.5	—0.3	60	28	6.47	+3.04	4.49	22	4	+0.2	1.3	+0.1	0	0	0	0	0
RAWALPINDI																					
Jhelum	92.7	—	101	20	73.0	—	59	30	3.85	—	2.66	12	6	—	2.3	—	11	0	0	0	
Chaklala	88.8	—	96	20	69.0	—	56	29,30	3.07	—	1.06	6	7	—	3.7	—	12	0	0	0	
Rawalpindi	89.7	—3.7	98	19	69.9	+0.6	57	29,30	4.51	+0.62	2.24	11	7	+2.4	2.6	+1.3	12	0	0	0	
Campbellpur (R)	*								031		0.14	23	1		(f) 2.4		1	0	0	0	

(b) Mean for 29 days.
(i) Data for 22 days

'R' — Register not received.

(x) Data not available.

(*) Data rejected.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF SEPTEMBER, 1962

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
SARGODHA																					
Khushab	93.9	—4.7	103	19	75.8	—0.3	59	29	0.88	—0.50	0.47	20	2	0 0	3.6	—0.1	2	0	0	0	1
Sargodha	93.0	—	101	19, 20	74.2	—	60	29	0.23	—	0.18	20	1	—	4.5	—	2	0	0	0	3
Mianwali	95.6	—	103	5	*	—	—	—	2.35	—	0.69	12	5	—	(x)	—	0	0	0	0	0
Lyallpur	91.7	—6.4	100	19	76.3	+1.1	63	30	0.62	—0.87	0.31	9	3	+1.3	2.1	+0.1	3	0	0	0	3
MULTAN																					
Montgomery	94.1	—5.2	103	6	75.1	—0.8	62	29	1.47	+0.20	0.73	23	4	+2.4	(b) 1.3	—2.1	2	0	0	0	2
Multan (P.B.O.)	97.7	—	104	4 days	77.2	—	65	29	0.09	—	0.08	26	0	—	3.8	—	3	0	0	1	0
Multan (surface)	98.1	—0.6	106	8, 9	78.6	+0.9	67	28,29	0.13	—0.41	0.13	26	1	+0.3	0.9	—0.8	2	0	0	1	0
Leiah	99.8	—	109	1	75.1	—	59	30	0.05	—	0.04	28	0	—	(x)	—	1	0	0	0	2
BAHAWALPUR																					
Khanpur (P.B.O.)	97.3	—	104	5 day	75.5	—	65	29, 30	2.92	—	2.15	12	2	—	3.9	—	3	0	0	1	2
Bhawalpur	96.4	—4.0	104	6	*	—	—	—	1.17	+1.04	0.77	12	2	+1.8	3.0	—0.1	0	0	0	0	0
Fort Abbas	97.7	—	107	5	76.3	—	66	82, 29	1.37	—	0.78	21	3	—	3.7	—	0	0	0	0	0
PESHAWAR																					
Chakdara	87.8	—	94	19	66.0	—	54	28	1.80	—	0.61	26	4	—	(x)	—	5	0	0	0	0
Peshawar	91.8	—3.2	97	4 days	71.8	0.0	58	28	0.67	—0.14	0.28	25	2	+0.5	2.7	+1.4	10	0	0	0	3
Risalpur	93.1	—	100	19	70.7	—	53	30	1.43	—	0.94	9	3	—	2.7	—	10	0	0	0	3
Haripur	89.3	—	97	20	67.9	—	56	29	2.83	—	1.05	6	4	—	4.0	—	0	0	0	6	0
Kohat (P.A.F.)	92.9	—	100	5	71.6	—	58	28	2.37	—	0.74	26	6	—	4.7	—	13	1	0	0	2
D. I. KHAN																					
Bannu	94.0	—3.9	102	5	71.0	—2.7	58	28	0.62	—0.01	0.49	23	2	+1.0	1.4	—	0	0	0	0	0
D. I. Khan	95.3	—4.1	104	5	75.1	—0.5	63	28	0.73	+0.10	0.43	26	2	+1.1	1.8	+0.6	0	0	0	0	0
QUETTA																					
Sibi	103.2	—0.8	111	20	.4	—0.5	64	3 days	2.04	+1.91	1.14	27	3	+2.7	2.6	—0.7	0	0	0	0	0
KALAT																					
Nokkundi	94.7	—5.8	103	3 days	65.6	—5.3	50	2'6	0.00	0.00	0.00	—	0	0.0	x	x	0	0	0	0	0
Turbat	105.2	—	114	9.10	x	—	x	—	0.00	—	0.00	—	0	5.7	—	—	0	0	0	2	0
Jiwani	90.5	—	106	11	75.0	—	69	13,24	0.00	—	0.00	—	0	—	6.7	—	0	0	1	0	0
Pasni (R)																					
KARACHI																					
Ormara	91.9	+5.5	105	11	77.7	+1.4	65	28	0.00	—0.01	0.00	—	0	0.0	5.6	—3.7	0	0	0	0	0
Lasbela	*	—	*	—	*	—	*	—	0 00	—0.58	0 00	—	0	—0.5	2.8	+0.4	0	0	0	0	0
Karachi (Manora)	89.2	+3.6	106	11	78.2	+1.5	74	13,27	5.33	+4.81	3.99	13	2	+1.5	—	—	3	0	0	7	0
" (Mauripur)	89.5	—	103	11	77.6	—	72	30	4.85	—	2.68	13	2	—	10.7	—	3	0	0	4	0
" (City)	89.3	—	106	11	77.1	—	71	30	6.82	—	5.15	13	3	—	x	—	2	0	0	4	0
" (Airport)	91.1	—	108	10	77.7	—	70	26 30	5.85	—	5.04	13	2	—	6.8	—	1	0	0	3	0
Gadap	(b) 91.4	—	(b) 106	10	(b) 74.4	—	(b) 67	26	2.50	—	2.10	14	2	—	(b) 5.6	—	1	0	0	5	0

(b) Means for 29 das

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

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF SEPTEMBER, 1962.

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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
HYDERABAD																					
Dadu	(c) 96.6	—	105	9	x	—	x	—	(c) 0.00	—	0.00	—	0	—	—	—	0	0	0	0	0
Mithi	97.1	—	106	9	76.1	—	67	28	5.09	—	2.55	13	5	—	1.4	—	0	0	0	0	0
Nagarparker	94.5	—	103	11	*	—	*	—	5.14	—	3.28	12	3	—	x	x	0	0	0	0	0
Umerkot	96.8	—	104	7,8	75.8	—	68	29	2.53	—	1.29	12	5	—	x	—	3	0	0	0	0
Chhor	95·4	—	105	9	75.3	—	65	29	2.25	—	0.29	20	4	—	1.5	—	3	0	0	0	0
Hyderabad	95.7	—1.6	107	8	77.8	+1.4	69	30	11.26	+10.63	9.87	12	3	+2.2	5.6	—1.7	0	0	0	0	0
Badin																					
KHAIRPUR																					
Padidan	97.8	—	105	3 days	76.0	—	67	26	0.56	—	0.23	12	3	—	5.1	—	0	0	0	0	0
Nawabshah (R)																					
Sukkur	99.3	—1.1	106	20	79.3	+0.6	71	30	0.05	+0.03	0.05	12	0	—0.1	x	—	0	0	0	0	0
Kashmore	*	—	*	—	*	—	*	—	0.00	—	0.00	—	0	—	x	—	0	0	0	0	0
Jacobabad	97.7	—4.6	105	9	80.0	+3.0	71	30	1.00	+0.83	1.00	13	1	+0.7	5.6	+1.1	0	0	0	0	0
JUNAGARH																					
Veraval	x	—	x	—	(m) 76.2	—	70	29	(i) 0.00	—	0.00	—	—	—	—	—	1	0	0	0	0
ARABIA																					
Muscat ($)																					
HILL STATIONS																					
KASHMIR																					
Srinagar (x)																					
Gulmarg (x)																					
Gurez (x)																					
Sonamarg (x)																					
Dras (x)																					
Kargil (x)																					
Leh (x)																					
Skardu	75.8	—2.7	91	5	54.1	+0.8	45	28,30	1.26	+0.86	0.62	23	4	+3.1	3.8	+0.2	1	0	0	0	0
Misgar	63.6	—	78	6	42.2	—	31	30	1.16	—	0.17	25	5	—	4.5	—	0	0	0	0	0
Aliabad (x)																					
Gilgit (P.B.O.)	80.8	—	100	5	56.6	—	43	30	0.52	—	0.15	27	2	—	2.9	—	2	0	0	0	2
RAWALPINDI																					
Murree	68.5	—3.8	75	5	52.7	—2.1	43	26	6.47	+1.05	1.60	18	12	+4.8	4.4	+1.1	14	0	0	0	0
PESHAWAR																					
Drosh	87.4	—0.6	96	8	62.4	—2 0	42	27	1·37	+0.68	0.43	26	4	+2.1	3.7	+0.5	11	0	0	0	*
Cherat	*		—	—	*	—	—	—	2.14	+0.07	0.85	25	6	+3.1	45	+0.4	6	1	6	0	0
Kakul	80.5	—	86	17	62.4	—	50	28	4.02	—	1.16	28	10	—	(x)	—	18	1	0	0	0
Balakot	85.3	—	101	11	62.6	—	51	29,30	4.68	—	1.94	11	9	—	(b) 1.7	—	0	0	0	0	0
Landikotal	85.5	—	96	5	63.7	—	47	28	2.57	—	2.25	12	2	—	(x)	—	5	1	0	0	0
Parachinar	77.5	—3.7	85	5,6	57.1	—1.5	41	28	8..8	+6.07	2.06	6	11	+6.0	2.2	+0.1	0	0	0	0	0

(b) Mean for 29 days.

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

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	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
D. I. KHAN																					
Miranshah	87.8	—3.9	97	5	66.8	—4.3	52	28	4.45	+3.72	2.70	8	2	+0.3	2.5	—2.1	0	0	0	0	0
Wana	86.3	—3.3	92	4 days	6.13	+0.1	46	29	1.12	+0.63	0.42	9	3	+1.6	0.4	—	0	0	0	0	0
QUETTA																					
Fortsandeman (P.T)	89.5	—3.2	96	4	66.2	0.0	53	30	0.23	—0.09	0.23	13	1	+0.3	x	—	0	0	0	0	0
Fortsandeman (P.B.O.)	x	x	x	—	x	—	x	—	x	—	x	—	x	—	x	—	x	x	x	x	x
Hindubagh	*	—	*	—	*	—	*	—	0.00	—	0.00	—	0	—	6.4	—	0	0	0	0	0
Loralai	87.2	—	93	5,8	58.5	—	47	30	0.00	—0.19	0.00	—	0	—0.5	2.8	—	0	0	0	0	0
Harnai (R)																					
Quetta (Samungli)	84.3	—	92	5	49.9	—	31	30	0.00	—	0.00	—	0	—	3.8	—	0	0	0	1	0
Quetta (P. T.)	83.3	—	90	4	51.3	—	34	30	0.00	—	0.00	—	0	—	1.6	0.0	0	0	0	0	0
Quetta (P.B.O.)	84.6	—	94	19	55.1	—	41	30	0.00	—	0.00	—	0	—	3.1	—	0	0	0	0	0
Chaman	87.0	—3.8	98	1,2	61.3	—2.4	47	26	0.00	—0.03	0.00	—	0	—0.1	x	—	0	0	0	0	0
Nushki	90.6	—	100	6,7	66.6	—	52	26	0.00	—	0.00	—	0	—	x	—	0	0	0	0	0
Dalbandin	94.2	—5.1	103	5	60.3	—1.3	46	30	0.00	0.00	0.00	—	0	0.0	4.4	+1.2	0	0	0	7	0
KALAT																					
Kalat	79.1	—4.9	86	10	46.3	—2.2	31	27,30	0.00	—0.09	0.00	—	0	—0.2	—	—	0	0	0	0	0
Panjgur (P.B.O.)	91.3	—	99	3	62.9	—	48	29	0.00	—	0.00	—	0	—	5.2	—	0	0	0	3	0

(x) Data not available.

(R) Register not received.

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PAKISTAN WEATHER REVIEW, 1962

MONTHLY WEATHER REPORT

NOVEMBER

(PUBLISHED BY THE AUTHORITY OF THE GOVERNMENT OF PAKISTAN)

Chief Features:

1. Dry weather over East Pakistan.

2. Fairly widespread rain or thundershowers in the northern parts of West Pakistan between the 19th and the 20th.

East Pakistan:

Weather remained dry over the province throughout the month. The total rainfall during the month was in large defect.

The mean maximum temperature was above normal in Dacca and Rajshahi Division and normal elsewhere. The mean minimum temperature was normal over the whole region.

The mean relative humidity was normal in Chittagong and Khulna Divisions and in defect elsewhere. Skies were clouded more than usual in Chittagong division and less elsewhere.

West Pakistan:

Except on the 1st, when scattered rain of thundershowers with a few duststorms occurred in Rawalpindi division in association with the passage of a western disturbance across Peshawar division, the weather remained dry over the province during the first week of the month.

Towards the later part of the second week a secondary western disturbance moved across the northern parts of the province. It caused scattered rain or thundershowers in Peshawar Division on the 13th and 14th and in Rawalpindi division on the 14th with local thunderstorms or showers in Peshawar Division and scattered in Rawalpindi and Lahore Divisions on the 15th. Chief amount of rain was 3/4" at Drosh recorded on the 14th.

In the second fortnight three active western disturbances moved in close succession across the northern divisions. Under their influence fairly widespread rain or thundershowers occurred practically throughout the northern divisions on the 19th, in Rawalpindi division both on the 19th and the 20th in Peshawar division only on the 20th and the Lahore division on the 21st. Rain or thundershowers were mainly scattered otherwise in the northern and central divisions between the 18th and the 21st in Peshawar, Kalat and Quetta divisions on the 17th, in Khairpur Division on the 19th and in Peshawar and Rawalpindi Divisions on the 22nd. Note worthy amount of rain recorded during this period were 3/4" each of Montgormery, on the 19th and at Jhelum, Rawalpindi, Chakdara and Haripur on the 20th.

Weather remained dry there-after during the rest of the month except on the 24th when a western disturbance moving across the extreme north of the province caused scattered thunderstorms or showers in Rawalpindi and Peshawar divisions.

A mild cold wave set in over Kalat and Quetta divisions on the 20th and gradually extended to the whole of the province towards the end of the month. The lowest temperatures were reached on the 30th, which were about 10-18°F below normal in Quetta and Kalat divisions.

The total rainfall during the month was in large defect in Bahawalpur, Karachi and Hyderabad divisions moderate defect in Quetta and Kalat divisions, normal in Rawalpindi division and in large excess elsewhere. Averaged over the region as a whole it was in large excess.

The mean maximum temperature was normal in Multan, Peshawar, Karachi, Hyderabad and Khairpur divisions and below normal elsewhere. The mean minimum temperature was above normal in Lahore and Sargodha divisions below normal in Kalat division and normal elsewhere.

The mean relative humidity was normal in Lahore, Multan, Kalat, Karachi and Hyderabad divisions, defect in Quetta division and excess elsewhere.

Skies were normally clouded in Lahore, Peshawar and Hyderabad divisions, more than usual in Rawalpindi, Multan and Karachi divisions and less elsewhere.

Table I contains the divisional means of rainfall temperature, relative humidity and the cloud amount for the 18 chief political 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 MEANS FOR NOVEMBER 1962

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
EAST PAKISTAN	"	"	'		o	o	mb	%	
Chittagong	0.00	1.61	—1.61	—100	—0.7	—1.3	—1.1	—3	+0.8
Dacca	0.00	0.98	—0.98	—100	+2.7	+0.1	—1.5	—9	—1.5
Khulna	0.00	1.13	—1.13	—100	+0.4	—0.6	—1.3	—5	—1.7
Rajshahi	0.00	0.57	+0.57	—100	+2.9	—1.9	—0.7	—9	—1.3
Mean	0.00	1.10	—1.10	—100	+1.2	—1.0	—1.1	—6	—0.8
WEST PAKISTAN									
Kashmir (X)									
Lahore	0.51	0.13	+0.38	+292	—3.5	+2.6	+0.7	+1	—0.1
Rawalpindi	1.51	0.51	+1.00	+2	—4.2	—0.9	—0.5	+11	+0.6
Sargodha	0.31	0.09	+0.22	+244	—4.1	+2.0	+1.3	+14	—0.4
Multan	0.53	0.05	+0.48	+960	—1.7	+1.9	—0.5	+2	+0.2
Bahawalpur	0.00	0.01	—0.01	—100	—3.5	*	+0.5	+7	—0.4
Peshawar	0.87	0.35	+0.52	+149	—1.4	—1.5	+0.7	+8	—0.1
D. I. Khan	0.29	0.10	+0.19	+190	—2.7	—0.1	+1.0	+9	—0.2
Quetta	0.08	0.13	—0.05	—38	—2.5	—1.9	—0.7	—7	—0.4
Kalat	0.07	0.13	—0.06	—46	—4.9	—4.5	—0.6	0	—0.7
Karachi	0.00	0.04	—0.04	—100	—0.1	—1.7	—0.4	—3	+2.0
Hyderabad	0.00	0.06	—0.06	—100	—0.3	+1.1	—0.1	+3	+0.1
Khairpur	0.05	0.03	+0.02	+67	—0.7	+0.9	+0.3	+6	+0.5
Mean	0.25	0.13	+0.12	+92	—2.7	—1.1	—0.1	+2	—0.1
Junagadh (X)									

(X) — Data not available.

(*) Data rejected.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FXIED HOURS DURING THE MONTH OF NOVEMBER 1962

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 geopotential of 850/700 mbs. pressure level in Gpm.	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										
CHITTAGONG																							
Rangamati	0000	208	1007.1		1014.5	68.4	67.1	67.0	22.0		93		5.0		8	3	3	0	0	2	9	4	1
	0300		1009.2		1016.5	72.6	68.6	66.5	22.1		81		2.5		18	3	3	0	0	0	2	4	0
	1200		1005.5		1012.7	76.7	70.3	66.7	22.4		72		0.6		5	1	2	0	0	1	17	3	1
Cox's Bazar (P.B.O.)	0000	10	1012.4		1012.7	66.5	65.2	64.3	20.6		93		2.0		3	14	9	0	0	0	0	0	4
	0300		1014.3		1014.6	76.0	69.9	66.3	22.2		73		1.7		11	13	4	1	0	0	0	0	1
	1200		1011.3		1011.6	76.3	70.2	66.7	22.4		73		1.4		16	0	0	0	0	1	1	4	8
Chittagong (P.B.O.)	0000	19	1012.9		1013.6	66.0	65.2	64.6	20.8		96		1.4		2	16	0	0	0	0	0	1	11
	0300		1014.8		1015.5	73.4	69.1	66.5	22.4		80		1.4		6	19	2	0	0	0	0	0	3
	1200		1011.7		1012.4	76.3	70.9	67.8	23.4		75		0.7		1	1	0	0	0	0	1	6	21
Chittagong (P.T.)	0000	46																					
	0300		1013.5	+0.4	1014.1	75.7	69.8	66.6	22.2	−1.2	73	−8	3.4	+0.8	6	15	2	0	0	0	0	0	7
	1200		1010.4		1012.0	75.1	68.1	64.2	21.1		69		0.3		3	1	0	0	0	0	0	8	17
Maijdee Court (R)	0000	25																					
	0300																						
	1200																						
Comilla (R)	0000	29																					
	0300																						
	1200																						
Brahmanbaria	0000	32	1012.3		1013.4	66.2	64.8	63.7	20.3		93		0.5		1	2	1	0	1	1	1	2	21
	0300		1014.7		1015.8	75.7	69.7	66.3	22.1	−1.0	73	+3	0.6		5	5	1	1	2	1	1	4	10
	1200		1011.1		1012.2	76.6	70.8	67.6	23.1		74		0.7		0	1	0	0	0	0	0	0	29
Sylhet (P.B.O.)	0000	115	1009.3		1013.4	63.4	62.4	61.5	18.8		94		0.9		0	1	27	1	0	0	0	0	1
	0300		1011.3		1015.3	72.2	67.4	64.4	20.7		77		1.0		0	0	29	0	0	0	0	0	1
	1200		1007.7		1011.7	73.7	68.1	64.7	20.9		75		1.1		0	1	1	0	0	0	4	2	22
Srimangal (R)	0000	77																					
	0300																						
	1200																						
DACCA																							
Mymensingh (R)	0000	62																					
	0300																						
	1200																						
Jamalpur	0000	64	1010.8		1013.0	62.9	62.4	61.8	19.0		97		0.1		7	3	15	0	0	2	3	0	0
	0300		1013.5		1015.7	72.2	69.0	67.1	22.8		85		0.0		9	1	15	0	0	2	0	2	0
	1200		1009.4		1011.6	77.6	75.4	74.1	29.0		90		0.4		11	1	12	0	0	2	1	3	0
Narayangang	0000	62	1012.6		1013.5	66.5	64.6	63.3	20.0		89		0.7		0	0	0	0	0	2	0	0	30
	0300		1014.8	+0.8	1015.7	76.9	68.8	64.0	20.4	−1.5	65	−9	0.6	−1.5	0	0	0	0	0	1	2	0	29
	1200		1011.2		1012.1	77.6	68.0	63.3	19.8		61		0.9		0	0	0	0	0	2	0	0	30
Dacca (Tejgaon)	0000	27	1012.0		1012.9	62.2	61.3	606.	18.1		95		0.6		1	1	0	0	0	0	0	0	28
	0300		1014.2		1015.1	74.5	68.4	64.7	21.0		72		0.5		3	1	1	0	0	1	0	2	22
	1200		1010.9		1011.8	74.9	68.1	64.0	20.4		69		0.7		1	0	0	0	0	0	0	2	27

R—Register not received.

* Data rejected

(b) — Observation for 29 days.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF NOVEMBER 1962

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 geopotential of 850/700 mbs. pressure level in Gpm.	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	29	21	22	23
DACCA—contd.	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas										
Faridpur (R)	0000	46																					
	0300																						
	1200																						
KHULNA																							
Barisal	0000	11	1013.8		1014.2	66.3	64.9	63.8	20.3		92		0.2		1	0	0	1	0	0	0	0	28
	0300		1015.1	+0.8	1015.5	76.7	69.4	65.3	21.3	—2.0	69	—6	0.4	—1.4	5	1	0	0	2	0	1	0	21
	1200		1011.7		1012.1	79.5	70.7	65.9	21.7		64		0.2		1	0	0	0	0	0	0	0	29
Khulna	0000	16	1013.0		1013.6	65.3	64.4	63.3	20.2		93		0.1		0	0	0	0	0	0	0	0	30
	0300		1015.3	+0.6	1015.9	77.3	69.0	64.1	20.4	—0.2	64	—3	0.2	—2.0	0	0	0	0	0	1	0	0	29
	1200		1011.6		1012.1	77.0	69.8	65.9	21.6		68		0.2		0	0	0	0	0	0	0	0	30
Satkhira	0000	16	1014.1		1014.7	62.8	61.7	60.6	18.3		94		0.4		0	0	0	0	0	0	0	0	30
	0300		1017.0	+2.5	1017.6	74.9	67.5	62.6	19.2	—1.6	66	—7	0.4	—1.8	0	0	0	0	0	0	0	0	30
	1200		1013.3		1013.9	77.5	70.2	66.0	21.9		69		0.9		0	0	0	0	0	0	0	0	30
Jessore (PT) (R)	0000	26																					
	0300																						
	1200																						
RAJSHAHI																							
Pabna (R)	0000	48																					
	0300																						
	1200																						
Ishurdi	0000		x x x		x x x	59.6	58.6	57.5	16.4		94		1.2		6	3	2	3	2	5	3	6	0
	0300		x x x		x x x	72.8	66.4	62.2	19.2		70		0.7		5	5	0	0	2	4	6	8	0
	1200		x x x		x x x	73.8	66.3	61.7	18.7		66		1.2		4	4	1	4	5	2	7	3	0
Sirajgonj	0000	51	1012.1		1014.0	63.6	62.2	60.9	18.5		92		0.2		0	0	0	0	0	0	0	0	30
	0300		1013.8		1015.6	74.7	68.2	64.2	20.7		70		0.1		0	0	0	0	0	1	0	1	28
	1200		1009.9		1011.7	75.5	69.4	65.9	21.8		72		0.0		0	0	0	0	0	0	0	0	30
Bogra (P.B.O.)	0000	65	1011.3		1013.6	62.7	61.5	60.4	18.1		93		0.2		0	0	0	0	0	0	0	0	30
	0300		1013.4	+0.4	1015.7	73.9	67.3	63.1	19.9	—0.5	69	—8	0.2	—1.2	0	3	1	1	0	2	1	3	19
	1200		1009.8		1012.0	77.5	69.9	65.5	21.5		67		0.7		0	0	0	0	0	0	1	0	29
Dinajpur	0000	123	1009.2		1013.7	59.9	58.2	56.6	15.8		89		0.0		0	0	0	0	0	0	0	0	30
	0300		1011.2 (b)	—0.2	1013.6 (b)	73.2 (b)	65.9 (b)	61.1 (b)	18.3 (b)	—1.0	66 (b)	—11	0.0 (b)	—1.3	0	0	0	0	0	0	0	0	30 (b)
	1200		1017.3		1011.6	75.1	67.9	63.5	19.7		65		0.2		0	0	0	0	0	0	0	0	29
Rangpur	0300	113	1010.2		1014.3	61.1	60.1	59.1	17.3		94		0.8		1	0	1	0	0	0	3	0	25
	0300		1012.0		1016.1	72.2	67.5	64.5	21.0		78		0.2		3	14	3	0	3	0	3	1	3
	1200		1008.1		1012.1	74.9	69.7	66.7	22.5		76		0.4		0	0	0	0	0	0	1	0	29
Lalmunirhat	0000	—	1010.5	—	x x x	61.2	60.9	60.7	18.1		98		0.2		0	0	0	0	0	0	0	0	30
	0300		1013.6		x x x	70.6	67.1	65.0	21.1		82		0.3		0	1	0	9	0	0	0	0	20
	1200		1009.3		x x x	74.2	68.9	65.4	21.7		75		0.8		0	0	0	0	0	0	0	0	30

x x x Data not available. · Registerd not received. (b) — Observation for 29 days. — Data rejected.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF NOVEMBER 1962

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 geopotential of 850 (Hk) mbs. pressure level in dpm.	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
	GMT.	Ft.	Mb.	Mb.	Mb	°F	°F	°F	Mb.	Mb.	%	%	oktas										
KASHMIR																							
Jammu (x)	0300	1200																					
	1200																						
LAHORE																							
Lahore P.B.O.	0000	702	990.6		1016.1	52.0	50.0	48.0	11.4		86		1.0		1	2	1	0	0	0	0	2	24
	0300		992.0	+0.7	1017.4	56.5	52.6	48.9	11.8	+1.0	76	+12	1.0	—0.1	1	3	1	3	0	0	1	3	18
	1200		989.9		1014.5	72.5	60.9	51.2	13.0		48		1.1		1	2	0	0	0	0	2	7	18
					(b)	(b)	(b)	(b)															
Lahore Cantt.	0000	709	990.1		1015.8	52.8	50.7	48.4	11.7		85		0.9		0	0	0	0	1	0	1	2	26
	0300		991.4	—	1016.9	57.7	53.1	48.7	11.8	—	72	—	1.2	—	7	1	0	2	0	0	0	5	15
	1200		989.4		1014.1	72.5	59.7	48.2	11.7		44		1.4		3	1	0	2	0	1	1	10	12
			(d)		(e)	(b)	(b)																
Sialkot	0000	830	985.5		1015.4	52.6	49.1	45.8	10.5		76		0.5		0	2	0	0	0	0	0	0	28
	0300		987.6	+0.5	1017.2	60.2	53.6	47.5	11.4	+0.4	62	—10	0.9	0.0	0	2	0	0	0	0	0	0	28
	1200		984.9		1013.6	72.3	60.9	50.7	13.3		91		0.8		0	3	0	2	0	0	0	0	25
RAWALPINDI																							
Jhelum	0000	767	988.2		1016.2	50.0	47.2	44.1	9.8		80		1.4		2	0	1	0	1	0	0	7	19
	0300		989.7	—	1017.6	54.3	49.3	43.7	9.7	—	67	—	1.6	—	1	0	1	2	0	0	2	6	18
	1200		987.3		1014.2	71.7	58.8	47.1	11.2		42		1.1		2	1	2	1	1	2	5	6	10
Chaklala	0000	1667	957.0		1017.8	47.1	43.9	40.7	8.4		77		1.6		1	3	0	1	0	2	4	5	14
	0300		958.9	—	1018.8	50.1	45.6	40.5	8.6	—	70	—	1.7	—	0	3	1	0	0	1	4	3	18
	1200		957.0		1014.8	68.3	53.9	39.8	8.4		35		1.6		0	0	2	4	0	0	17	1	6
Rawalpindi	0000	1675	957.3		1017.4	47.6	45.1	42.4	9.2		82		1.4		3	1	1	2	0	0	2	1	22
	0300		958.5	+0.2	1018.7	50.1	46.5	42.7	9.3	+0.9	76	+14	1.7	+0.5	7	2	0	0	0	2	1	1	17
	1200		956.7		1014.9	66.1	54.8	44.6	10.2		45		1.5		0	1	2	1	0	1	13	2	10
Campbellpur	0300	1175	976 3	—	1018.8	50.6	45.9	40.2	8.6	—	67	—	0.2	—	0	1	0	0	0	1	0	0	28
	1200		973 7		*(b) 1014 6	(b) 71.3	(b) 56.2	40.3	9.2		32		1.0		1	0	0	0	0	0	0	0	29
SARGODHA																							
Khushab	0000	616	994.1		*	*	*	—	—		—		0.0		0	2	1	0	0	0	0	0	27
	0300		995.1	0.0	1017.6	52.9	*	—	—	—	—	—	0.7	—0.4	5	4	1	1	1	0	2	0	18
	1200		993.0		1014.4	75.9	*	—	—		—		0.2		2	1	9	1	1	1	6	2	7
Sargodha	0000	617	993.7		1016.3	50.2	48.4	46.6	10.8		87		1.4		1	3	7	0	0	6	3	2	8
	0300		995.2	—	1017.5	53.3	50.1	46.8	10.8	—	78	—	1.5	—	0	4	4	1	1	5	3	0	12
	1200		993.1		1014.6	72.9	60.6	50.0	12.5		46		0.9		2	2	3	1	0	9	3	4	6
Mianwali	0000	679	*		*	*	—	—	—		—		0 2		*	*	*	*	*	*	*	*	*
	0300		*	—	*	*	—	—	—	—	—	—	0.2	—	*	*	*	*	*	*	*	*	*
	1200		*		*	*	—	—	—		—		0 2		*	*	*	*	*	*	*	*	*
Lyallpur	0000	605	(b) 994.3		(e) 1016 0	(d) 53.3	(d) 51.2	49.0	11.9		86		0.7		1	3	1	1	1	0	0	2	21
	0300		995.8	+1.1	1017.8	55 3	51·7	48.3	11.4	+1.3	76	+14	0.9	—0.4	1	2	2	0	1	0	0	0	24
	1200		993.6		*	*	*	—	—		—		1.3		1	2	1	0	0	0	1	1	25
MULTAN																							
Montgomery	0000	558	(c) 995.4		(c) 1015.3	53.8	51.6	49.5	12.0		87		0.3		0	1	1	1	0	0	0	0	27
	0300		997.0	+0.4	1017.2	58.3	52.6	47.8	10.9	—0.2	67	+3	0.9	+0.1	0	2	2	5	1	0	0	0	20
	1200		995.0		1014.4	74.6	63.2	54.7	14.6		49		0.8		1	0	0	0	1	0	0	0	28
Multan P.B.O.	0000	404	1001.1		1016.0	52.9	50.1	47.6	11.1		81		0.9		2	1	2	0	0	0	0	0	25
	0300		1002.6	—	1017.5	54.9	51.4	48.0	11.3	—	77	-	1.2	—	4	2	0	0	0	0	1	0	23
	1200		1000.2		1014.4	75.6	61.2	48.7	12.0		39		1.3		1	1	1	1	2	1	0	1	22

(b) Mean for 29 days
(d) Mean for 27 days
(e) Mean for 26 days
(c) Mean for 28 days

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

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF NOVEMBER 1962

DIVISION AND STATION	Hours of observation.	Height of barometer cistern above mean sea level.	Mean Pressure: Reduced to station level reduced to standard temperature and gravity.	Mean Pressure: Departure from normal.	Mean Pressure: Reduced to standard temperature and M.S.L. or geopotential of 850/700 mbs. pressure level in Gpm.	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 on 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										
MULTAN																							
Multan (Surf.)	0300	413	1002.5	+0.9	1017.4	60.4	53.8	47.3	11.2	—0.9	63	+1	1.1	+0.3	1	0	2	0	0	0	0	0	27
	1200		999.9		1014.2	76.3	61.1	47.9	11.6		38		1.1		0	0	3	0	1	0	0	0	26
Lciah	0000	487	*		*	*	*	*					0.8		6	0	0	0	0	0	0	0	24
	0300		*	—	*	52.5	48.0	42.5	9.4	—	69	—	1.4	—	9	0	0	0	1	0	1	1	18
	1200		*		*	*	*	—	—	—			2.1		8	0	0	1	4	0	0	0	17
BAHAWALPUR																							
Khanpur P.B.O.	0000	290	1004.6		1015.3	52.6	49.9	47.0	11.0		83		0.8		1	3	1	0	0	3	0	0	22
	0300		1006.3	—	1016.9	57.2	52.7	48.5	11.6	—	72		1.0	—	4	1	0	0	0	2	0	0	23
	1200		1004.0		1014.2	77.4	62.8	51.0	13.0		40		1.2		2	6	0	0	0	2	1	0	19
Bahawalpur	0300	384	1003.6	+1.3	1017.6	(c) 58.5	(c) 53.1	48.5	11.3	+0.5	68	+7	0.5	—0.4	0	1	0	5	2	1	0	0	21
	1200		*		*	76.8	63.4	51.9	13.9		44		0.8		1	4	0	7	1	8	3	3	3
Fort Abbas	0000	475	997.8		1015.1	55.3	48.9	41.9	8.9		59		0.0		9	7	3	1	4	1	0	0	5
	0300		1000.4	—	1017.4	63.2	54.2	45.4	10.3	—	52	—	0.0	—	1	3	8	8	2	3	0	0	5
	1200		997.6		1014.0	77.5	62.0	48.8	12.0		37		0.0		10	6	0	0	0	2	1	1	10
PESHAWAR																							
Chakdara	0000	2197	938.9		1017.6	46.0	43.2	39.7	8.4		79		0.6		14	0	0	0	0	0	0	0	16
	0300		940.0	—	1018.4	48.5	44.4	39.1	8.3	—	72	—	0.7	—	15	0	2	0	0	0	0	0	13
	1200		937.3		1013.1	64.9	54.1	45.0	10.3		50		0.4		3	0	4	0	18	0	0	0	5
Peshawar	0000	1177	975.1		1017.5	51.9	46.7	40.0	8.6		65		1.4		0	0	1	8	10	1	0	2	8
	0300		976.4	+0.2	1018.9	52.4	46.9	39.3	8.5	+1.3	63	+10	1.8	0.4—	0	0	0	5	13	2	2	1	7
	1200		973.8		1014.9	69.4	57.4	45.8	10.7		43		2.1		2	1	0	1	4	4	0	3	15
Risalpur	0000	1047	979.3		1017.2	47.6	45.6	43.3	9.5		85		1.2		2	1	0	1	0	2	4	2	18
	0300		980.7	—	1018.4	50.3	46.7	42.3	9.2	—	75	—	1.9	—	2	1	0	1	2	2	6	1	15
	1200		978.0		1014.2	70.1	55.6	40.3	8.6		34		1.7		0	7	3	0	0	1	6	1	12
Haripur	0300	1757	955.8	—	1018.2	55.2	47.6	39.6	8.2	—	55	—	1.7	—	0	24	0	2	0	1	0	3	0
	1200		953.7		1014.0	70.6	57.3	46.3	10.7		41		1.4		0	3	0	3	2	18	1	3	0
Kohat P.A.F.	0000	1683	957.8		1017.6	54.5	47.7	40.3	8.6		60		1.1		1	0	0	0	0	0	1	28	0
	0300		959.2	—	1018.9	56.6	47.9	38.0	7.8	—	51	—	1.6	—	1	1	0	1	0	0	0	23	4
	1200		957.0		1014.9	71.2	55.3	39.7	8.5		32		1.4		0	3	3	2	2	0	0	1	19
D. I. KHAN																							
Bannu	0000	1263	970.9		1016.5	51.5	47.0	41.5	9.0		69		0.5		0	0	0	0	0	0	0	1	29
	0300		972.7	—	1018.3	52.6	47.8	42.1	9.2	+1.1	68	+16	1.1	+0.1	0	0	0	0	0	0	0	0	30
	1200		969.9		1013.7	71.6	59.2	47.6	11.6		43		0.4		0	0	0	4	0	0	0	0	26
D. I. Khan	0000	570	995.0		1015.8	53.0	49.2	44.8	10.3		74		0.4		0	0	0	0	0	0	0	0	30
	0300		996.6	+0.3	1017.4	54.6	50.6	46.2	10.8	+0.9	74	+8	1.4	+0.4	0	0	0	0	0	0	0	3	27
	1200		993.9		1013.9	74.5	62.8	53.8	14.3		49		0.4		0	0	0	0	0	0	0	0	30

(c) — Mean for 28 days. (c) — Mean for 27 days. (x) — Data not available * — Data rejected.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF NOVEMBER 1962

DIVISION AND STATION	Hours of observation.	Height of barcistern 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 gravity and to corresponding (80.7°F) mean pressure level in Gpm.	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										
QUETTA																							
Sibi ...	0000	441	1002.8		1019.1	53.0	44.4	34.1	7.1		49		0.7		0	0	0	0	0	0	0	1	29
	0300		1002.6	+2.8	1017.0	55.3	46.7	34.1	7.0	+0.6	46		1.0	—0.2	1	2	0	2	1	2	0	6	16
	1200		998.7		1013.9	84.0	59.6	30.2	6.5		18		1.8		0	1	0	2	17	4	1	4	1
KALAT																							
Nokkundi ...	0000	2229	940.0		1019.5	47.3	39.5	26.2	5.2		44		0.6		10	0	2	0	2	2	0	14	0
	0300		942.3	—	1021.5	48.1	40.0	26.3	5.1	−0.6	42	—	0.8	—0.8	11	2	4	0	1	1	1	10	0
	1200		940.5		1015.7	72.6	55.7	39.0	8.4		31		1.0		7	1	4	1	5	2	0	9	1
Turbat	0000	510	997.5		1015.2	64.0	52.5	35.2	8.3		43		x		0	8	6	0	0	1	0	0	15
	0300		998.2	—	1015.5	65.0	53.2	35.2	8.6	—	40	—	x	—	0	13	2	0	0	0	0	0	15
	1200		994.2		1012.1	84.5	61.9	38.5	8.8		23		x		0	14	0	0	0	0	4	0	12
Jiwani ... - ...	0000	185	1009.1		1015.7	65.5	57.0	46.4	12.1		55	—	0.9		16	6	0	1	0	0	1	1	5
	0300		1010.5	—	1017.1	65.2	54.6	40.0	9.8	—	51	—	2.1	-	15	7	1	0	0	0	0	0	7
	1200		1008.3		1014.6	80.1	63.6	46.4	12.6		57		2.2		3	4	1	5	9	6	0	1	1
Pasni (R) - -	0000	28																					
	0300																						
	1200																						
KARACHI DIVISION																							
Ormara	0000	15	1014.2		1014.7	64.3	60.4	57.0	16.2		80		1.7		0	0	2	4	2	2	0	0	20
	0300		1015.3	—	1015.8	68.7	62.1	56.4	16.1	−1.7	68	—5	2.1	+0.9	0	1	5	6	0	2	0	0	16
	1200		1012.8		1013.3	81.6	69.4	60.3	19.1		56		1.8		0	2	1	3	10	1	11	0	2
Lasbela	0000	292	*		*	67.7	57.4	47.7	10.7		50		3.9		*	*	*	*	*	*	*	*	*
	0300		*	—	*	72.1	61.0	51.0	13.4	+1.8	49	—2	3.7	+3.1	*	*	*	*	*	*	*	*	*
	1200		*		*	83.4	66.4	52.7	16.4		35		3.7		*	*	*	*	*	*	*	*	*
Karachi (Manora)	0000	13	1013.8		1014.3	65.7	58.7	52.6	13.7		63		3.1		7	15	1	0	0	1	2	0	4
	0300		1015.3	—0.1	1015.8	67.6	60.5	54.6	14.8	−1.2	63	—3	3.1	+1.9	5	13	2	0	0	1	2	0	7
	1200		1012.7		1013.2	81.9	72.8	66.8	23.5		62		3.3		0	4	4	1	0	3	17	1	0
Karachi (Mauripur)	0000	52	1012.5		1014.3	64.4	56.9	47.3	12.4		60		1.5		8	12	2	0	0	0	1	3	4
	0300		1014.0	—	1015.9	65.5	56.8	45.9	11.9	—	56	—	2.7	—	9	10	2	0	0	0	1	0	8
	1200		1011.4		1013.2	82.2	65.4	49.6	13.8		40		2.6		0	5	3	0	4	14	3	1	0
Karachi (City)	0300	20	1014.5	—	1015.2	66.5	60.2	54.7	15.0	—	67	—	3.1	—	*	*	*	*	*	*	*		x
	1200		1011.7		1012.4	81.0	68.5	59.4	18.1		51		3.0		*	*	*	*	*	*	*		x
Karachi (Airport)	0000	73	1011.9		1014.6	61.6	55.3	47.4	12.1		64		1.4		7	3	0	0	0	0	0	1	19
	0300		1013.8	—	1016.5	64.4	56.6	47.3	12.1	—	57	—	2.6	—	2	7	0	0	0	0	0	0	21
	1200		1010.9		1013.5	82.1	65.9	51.3	14.5		40		2.5		0	5	4	0	3	15	1	0	2
Gadap	0300		x		x	69.4	59.4	51.0	12.8	—	53	—	1.9	—	11	10	0	0	0	0	1	0	8
	1200		x		x	82.0	62.7	46.0	10.7		31		2.1		5	9	1	0	1	11	1	0	2
HYDERABAD																							
Mithi	0000	96	1011.4		1014.9	57.0	53.9	51.0	12.8		81		0.0		0	0	0	0	0	0	0	0	30
	0300		1012.4		1015.8	63.4	57.6	52.3	13.6		65	—	0.5	—	0	0	0	0	0	0	0	0	30
	1200		009.3		1012.6	86.7	67.7	56.0	14.6		6/3		0.3		2	6	0	1	0	2	0	2	18

** — Data less than 15 days hence no means.

* — Data rejected.

(x) — Data not available.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF NOVEMBER, 1962

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 geopotential of 850/700 mbs. pressure level in Gpm.	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										
HYDERABAD—Contd																							
Nagarparker	0000	178	1007.0		1013.4	65.1	57.3	50.0	12.6		60		0.0		0	0	0	0	0	0	0	0	30
	0300		1008.8	—	1015.1	70.8	58.5	49.7	11.2	—	42	—	0.5	—	2	3	0	0	0	0	0	0	25
	1200		1005.3		1011.3	87.4	65.0	48.2	11.0		25		0.5		1	0	1	0	0	0	1	0	27
Dadu	0000	131	(c) 1011.4		(c) 1014.7	(d) 58.4	(d) 53.6	(d) 49.7	12.3		75		0.0		x	x	x	x	x	x	x	x	x
	0300		1013.2	—	1015.6	59.2	54.5	50.6	12.6	—	75	—	0.0	—	13	4	4	0	0	2	3	1	3
	1200		(b) 1010.5		(b) 1014.4	(b) 79.0	(b) 65.9	(b) 52.4	(b) 17.9		51		0.0		12	9	7	0	1	0	0	0	0
Umerkot	0000	55	1011.9		1013.9	59.4	52.5	44.6	10.4		60		1.3		3	2	1	0	1	3	0	0	20
	0300		1013.7	—	1015.7	62.5	55.3	47.3	11.7	—	60	—	2.6	—	7	4	0	0	1	2	0	1	15
	1200		1010.6		1012.5	84.8	65.9	51.2	13.2		33		2.3		6	2	0	0	0	4	4	14	0
Chhor	0000	19	1013.5		1014.2	54.6	49.6	42.9	9.9		68		1.0		0	1	0	0	0	0	0	0	29
	0300		1015.4	—	1016.1	62.6	53.6	42.5	10.0	—	51	—	2.2		1	0	0	0	0	0	0	0	29
	1200		1012.1		1012.8	83.6	62.7	42.9	10.0		26		2.3		0	2	0	0	0	0	0	0	28
Hyderabad	0000	98	1011.1		1014.6	63.3	56.5	48.9	12.6		62		1.4		14	0	0	1	1	2	0	1	11
	0300		1013.1	+0.9	1016.6	64.7	57.2	49.4	12.6	+0.6	60	+5	1.9	+1.1	15	0	0	1	2	3	0	0	9
	1200		1010.7		1014.2	82.7	64.5	48.7	12.6		31		2.5		15	0	1	0	4	3	0	0	7
Badin	0000	31	1013.5		1014.3	60.5	55.8	51.2	13.4		71		0.0		14	0	0	0	0	0	0	1	15
	0300		1016.2	+2.4	1017.3	62.9	57.5	60.7	13.1	—0.7	61	+1	0.0	—1.0	14	0	0	0	0	0	0	0	16
	1200		1013.1		1014.2	85.8	65.2	50.4	12.2		28		0.0		18	0	0	0	1	4	1	1	5
KHAIRPUR																							
Padidan	0000	153	1009.8		1015.4	54.6	51.8	46.6	14.0		80		0.7		6	1	2	1	0	0	0	3	17
	0300		1011.5	—	1017.0	58.5	53.6	47.9	11.7	—	70	—	1.1	—	5	2	1	6	0	0	0	4	12
	1200		1008.6		1013.9	82.1	61.7	42.1	9.6		25		1.2		12	0	0	2	4	0	0	7	5
Nawabshah	0000	124	1011.5		1016.1	56.2	52.2	47.1	11.5		75		1.0		4	1	0	5	2	2	0	7	9
	0300		1013.3		1017.9	58.5	53.6	48.1	13.0		67		2.0		3	2	1	7	0	1	1	12	3
	1200		1010.5		1014.9	83.1	63.1	46.0	10.7		26		2.1		6	2	1	5	3	1	1	8	3
Sukkur	0300	221	1008.6	+0.5	1016.6	62.9	56.4	50.3	12.6	+0.5	65	+7	1.7	+1.1	1	2	0	5	2	1	1	2	16
	1200		1005.9		1013.6	82.2	65.3	52.0	12.2		36		2.2		12	5	2	1	2	4	1	3	0
Kashmore	0000	225	*		*	64.4	53.9	42.8	10.7		45		0.6		0	0	0	0	0	0	0	0	30
	0300		*	—	*	68.3	57.3	46.6	14.0	—	47	—	0.7	—	0	1	0	0	0	0	0	0	29
	1200		*		*	84.0	63.3	46.6	80 0		25		1.3		1	5	0	0	0	0	6	0	18
Jacobabad	0000	183	1008.6		1015.1	58.8	53.1	45.9	11.2		66		0.9		6	2	3	1	0	0	1	6	11
	0300		1010.3	+0.7	1017.0	60.4	54.1	47.7	11.4	+0.2	63	+5	0.7	+0.0	5	1	4	3	1	0	1	7	8
	1200		1007.1		1014.1	81.3	65.3	52.6	14.1		38		1.4		4	0	0	5	4	4	5	2	6
JUNAGARH																							
Veraval (R)	0300	26		—																			
	1200																						
ARABIA																							
Muscat (s)	0300																						

(S) Observations suspended.

(b) — Data of 28 days.
(c) — Data of 27 days

(e) — Data for 16 days.
(f) — Data for 25days.

(R)—Data not received.
(x)—Data rejected.
(d)—Data for 26 days.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF NOVEMBER 1962

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 geopotential of 850/700 mbs pressure level in Gpm.	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
	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas										
HILL STATIONS																							
KASHMIR																							
Srinagar (x)	0000																						
	0300																						
	1200																						
Gulmarg (x)	0300																						
	1200																						
Gurez (x)	0300	—																					
	1200																						
Sonamarg (x)	0300	—																					
	1200																						
Dras (x)	0300	—																					
	1200																						
Kargil (x)	0300	—																					
	1200																						
Leh (x)	0000	—																					
	0300																						
	1200																						
Skardu	0000	7250	—		—	—	—	—	—														
	0300		781.0	—	1525.2	33.2	28.9	21.1	3.9	—1.0	62	—10	3.4	+0.6	0	0	0	0	2	2	1	0	25
	1200		778.1		1476.6	46.0	35.4	16.6	3.2		32		3.8		0	0	0	0	5	4	5	0	16
Misgar	0000	10190	—																				
	0300		704.4	—	3151.8	24.8	23.0	20.1	3.5	—	81	—	3.2	—	6	3	1	1	1	6	6	6	0
	1200		702.4		3133.6	35.3	31.7	26.5	4.9		70		3.5		0	5	8	7	1	3	2	2	2
Allabad (x)	0300	—																					
	1200																						
Gilgit P.B.O.	0000	4789	857.3		1528.1	37.1	33.5	27.7	5.0		69		2.0		0	0	0	1	0	1	4	0	24
	0300		858.8	—	1543.7	42.0	36.6	28.1	5.2	—	58	—	3.9	—	2	3	0	0	0	2	4	0	19
	1200		855.2		1509.1	49.5	40.9	28.5	5.2		43		4.0		0	0	0	2	1	5	4	1	17
RAWALPINDI																							
Murree	0000	7113	785.0		1513.1	42.1	36.1	27.5	5.1		55		2.0		0	0	3	10	0	3	5	9	0
	0300		787.0	—0.5	1531.9	43.6	36.3	25.0	4.7	+0.2	49	+9	2.3	+0.7	1	8	6	7	0	0	2	2	4
	1200		786.1		1519.5	47.0	39.2	28.8	5.4		49		2.3		0	2	5	4	0	2	5	7	5

(x) — Data not available.

* — Data rejected.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF NOVEMBER 1962

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 geopotential of 850/700 mbs. pressure level in Gpm.	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										
PESHAWAR																							
Drosh	0000	4806	857.9		1539.6	44.5	39.1	29.3	6.0		59		2.2		0	2	1	0	2	3	0	0	22
	0300		859.1	—0.1	1550.8	43.3	37.8	27.9	5.5	+0.4	57	+4	2.4	+0.7	0	0	2	2	0	1	0	0	25
	1200		855.8		1518.8	56.2	45.8	29.6	6.4		41		3.2		0	1	2	8	1	7	0	0	11
Chenar	0000	4272	872.2		1514.3	50.8	43.3	34.4	6.9		55		1.0		10	1	1	0	2	2	2	0	12
	0300		873.3	—0.2	1525.5	51.4	44.1	34.4	7.0	+1.3	54	+10	1.5	+0.1	12	0	0	0	3	1	2	10	2
	1200		872.0		1515.6	58.2	48.7	37.6	7.9		47		0.9		9	0	0	6	11	0	2	2	0
Kakul	0000	4214	874.4		1516.6	48.2	41.4	31.6	6.1		53		1.5		6	10	4	0	1	0	0	9	0
	0300		875.6	—	1528.4	50.1	43.0	33.7	6.6	—	54	—	1.9	—	12	4	3	1	1	0	1	8	0
	1200		874.1		1517.9	55.7	48.0	35.5	7.1		42		1.7		1	0	0	7	9	3	2	8	0
Balakot	000_0	3226	(x)		(x)	45.5	41.3	35.7	7.1		68		1.4		1	0	0	0	0	0	0	1	28
	030_0		(x)	—	(x)	44.8	40.7	35.2	6.9	—	69	—	1.2	—	1	1	0	1	0	0	0	0	27
	120_0		(x)		(x)	59.3	49.0	37.4	7.7		44		1.3		2	0	0	0	0	0	0	1	27
Landikotal	000_0	3503	896.1		1497.6	44.3	41.3 (b)	37.1	7.6		77		1.0		0	1	0	0	0	0	0	0	29
	030_0		897.5	—	1512.0	47.0	42.5 (b)	36.8	7.5	—	67	—	1.5	—	0	2	0	1	0	0	0	0	27
	120_0		895.0		1503.7	61.8	51.2	40.2	8.6		46		2.0		1	2	0	6	0	5	0	0	16
Parachinar	0_{000}	5673	829.1		1525.3	40.8	34.1	23.1	4.4		51		1.6		0	0	0	0	0	0	0	1	29
	0_{300}		830.8	+0.8	1540.2	42.7	36.5	26.7	5.1	0.0	55	+7	0.9	—0.6	0	0	0	0	0	0	0	1	29
	1_{200}		828.9		1515.3	58.1	44.0	25.8	4.7		30		2.1		6	9	2	0	0	0	0	0	13
D. I. KHAN																							
Miranshah	0_{000}	3026	*		*	*	*	—	—		—		0.3		0	3	0	0	0	0	0	0	27
	0_{300}		913.5	—	1514.8	49.8	42.2	30.6	6.1	+1.8	51	+12	0.3	—0.9	0	3	0	0	0	0	0	1	26
	1_{200}		911.5		1515.4	68.1	53.8	38.9	8.5		35		0.8		0	16	0	0	0	0	0	0	14
Wana	0_{300}	4503	*	—	*	41.1	35.1	24.4	4.5	+0.3	52	—1	0.3	—0.5	0	0	0	0	0	0	0	1	29
	1_{200}		*		*	63.9	46.7	23.5	4.0		21		1.1		0	0	0	1	0	0	1	1	27
QUETTA																							
Fortsandeman (P.T.)	0_{300}	4614	864.4	+1.0	1543.4	47.5	40.4	29.7	5.7	+1.6	50	—5	0.5	—0.5	0	0	0	0	0	1	1	0	28
	1_{200}		862.3		1522.1	66.6	47.0	14.6	3.2		14		0.9		1	1	0	0	1	4	4	1	18
Fortsandeman (P.B.O.)	0000	4615	863.0		1527.6	42.7	35.0	20.0	3.9		41		0.5		0	0	1	1	2	3	1	0	22
	0300		864.6		1541.6	45.7	36.6	18.1	3.4	—	34		0.7	—	0	0	0	0	3	4	1	0	22
	1200		861.6		1520.1	64.8	46.9	18.1	3.1		17		1.6		0	0	0	2	1	3	8	5	11
Hindubagh	0000	5909	822.1		1537.2	36.4	32.0	20.2	4.5		37		0.0		0	0	0	0	0	6	12	0	12
	0300		822.4	—	1540.6	41.4	34.1	21.2	3.6	—	44	—	0.4	—	0	0	0	0	0	4	10	0	16
	1200		821.7		1533.3	57.8	42.4	21.0	2.6		23		0.9		0	0	1	1	0	10	18	0	0
Loralai	0000	4699	859.3		1517.4	41.5	39.4	36.2	7.4		82		1.0		4	10	3	1	0	0	1	2	9
	0300		860.1	—	1526.6	44.4	41.3	36.8	7.5	—	77	—	1.5	—	1	1	0	0	0	4	9	14	1
	1200		857.7		1505.4	61.6	56.7	53.1	13.6		77		2.2		0	0	4	11	8	1	1	1	4
Harnai	0000	2861	915.8		1488.0	52.1	41.9	26.0	5.0		37		0.5		4	0	0	0	0	2	0	23	1
	0300		917.2	—	1502.1	53.9	43.6	29.0	5.6	—	39	—	0.5	—	2	0	0	0	0	0	0	28	0
	1200		914.3		1498.3	72.2	56.8	41.1	9.4		36		0.9		0	0	0	22	0	5	0	2	1

(x)— Data not available

(*) Data rejected.
(o) Mean for 29 days.

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 geopotential of 850/700 mbs.pressure level in Gpm.	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.	%	%	oktae										
Quetta (Samungali)	0000	5213	845.0		1540.1	28.3	24.4	17.3	3.0		64		0.6		0	0	8	4	0	1	0	1	16
	0300		846.2	—	1551.6	31.0	26.2	17.6	3.0	—	59	—	0.9	—	0	0	5	5	0	0	2	0	18
	1200		844.1		1526.5	59.2	42.3	16.0	3.1		20		1.4		1	0	0	0	0	0	7	21	1
Quetta (P.T.)	0300	5490	837.4	—0.1	1548.8	43.9	35.1	21.0	3.9	—0.5	41	—14	0.4	—0 8	3	1	0	0	0	1	0	4	21
	1200		834.8		1518.4	59.1	42.6	19.0	3.3		22		1.1		5	0	0	0	1	2	3	18	1
Quetta (P.B.O.)	0000		834.7		1547.1	34.4	28.5	17.9	3.1		52		0.1		0	0	7	0	1	0	0	0	22
	0300	5560	835.2	—	1550.1	35.6	29.5	17.3	3.4	—	52	—	0.7	—	1	2	9	4	0	0	0	0	14
	1200		833.5		1526.4	54.4	38.5	19.6	2.1		23		1.0		0	0	0	0	0	2	4	18	6
Chaman	0000	4311	872.6		1527.9	43.3	32.5	4.9	1.8		22		0.7		0	0	14	15	1	0	0	0	0
	0300		873.3	—0.1	1533.7	46.3	33.5	7.1	1.2	—3.7	21	—2.1	1.6	—0.4	0	1	13	14	0	1	1	0	0
	1200		870.8		1516.3	60.9	45.0	18.3	3.8		18		0.6		0	0	0	0	0	13	15	2	0
Nushki	0000	3416	905.1		1554.0	48.0	38 0	20.5	3.8		33		0.0		0	6	3	0	0	0	3	14	4
	0300		907.1	—	1576.1	51 0	40.7	21 0	4.5	—	34	—	0 2	—	2	7	8	1	0	1	1	7	3
	1200		905.3		1575.1	65.6	48 8	22.0	4.8		22		0.0		5	4	3	0	0	5	5	8	0
Dalbandin	0000	2788	923 1		1513.5	40.0	32.3	17.6	3.2		40		0.8		0	17	3	1	0	0	1	1	7
	0300		924.5	+2.1	1525.2	39.6	31.8	16.6	3.2	—1.7	42	—5	0.8	—0.2	2	14	0	2	0	0	1	1	10
	1200		920.0		1543.1	69.4	51.0	27.0	5.7		23		0.9		0	5	8	8	0	3	3	1	2
KALAT																							
Kalat	0000	6616	802.3		1544.2	29.2	*	*	*		*		0.4		0	0	0	0	29	1	0	0	0
	0300		803.1	—0.2	1549.3	34.5	*	*	*	—	*	—	0.4	—0.6	2	1	0	1	23	2	1	6	0
	1200		801.5		1512.8	53.7	*	*	*		*		0.5		10	0	0	0	2	3	4	11	0
Panjgur P.B.O.	0000	3180	909.1		1515.6	45.7	38.5	27.5	4.7		50		0.5		0	15	11	0	0	0	0	0	4
	0300		910.5	—	1529.4	45.9	38.9	28.5	5.0	—	52	—	0.8	—	0	20	7	0	0	0	0	0	3
	1200		908.0		1530.8	68.2	52.6	31.9	6.6		32		1.1		12	5	0	0	0	4	1	3	5

(*) — Data rejected.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF NOVEMBER, 1962

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
CHITTAGONG																					
Rangamati	85.1		88	13 2	67.9		62	27	0.00		0.00		0		x		0	0	19	0	0
Cox's Bazar P.B.O.	83.5		88	2,	66.0		60	24	0.00		0.00		0		x		0	0	0	0	0
Chittagong P.B.O.	83.7		86	17,	65.3		60	27	0.00		0.00		0		x		0	0	1	0	0
Chittagong P.T.	84.3	+0.7	86	5 days	63.6	—1.9	58	27,28	0.00	—2.17	0.00		0	—2.0	x		0	0	1	0	0
Maijdi Court (R)																					
Comilla (R)																					
Brahmanbaria	83.2	—2.0	86	3	64.8	—0.8	57	27	0.00	—1.04	0.00		0	—1.5	1.1		0	0	2	0	0
Sylhet P.B.O.	82.5		85	13	62.8		57	27	0.0T		0.01	1	0		x		0	0	4	0	0
Sreemangal (R)																					
DACCA																					
Mymensingh (R)																					
Jamalpur (R)	83.5		86	5 days.	61.9		54	27	0.00		0.00		0		x		0	0	6	0	0
Narayangonj	86.6	+2.7	91	3	66.0	—0.1	58	27	0.00	—0.95	0.00		0	—1.3	0.7	—0.4	0	0	0	0	0
Dacca (Tejgaon)	83.3		88	3	62.0		55	27,30	0.00		0.00		0		x		0	0	3		0
Faridpur (R)																					
KHULNA																					
Barisal	83.8	+0.6	88	14	65 6	0.0	60	4 days	0.00	—1.54	0.00		0	—1.7	x		0	0	9	0	0
Khulna	84.7	+1.2	89	3	65.0	—0.6	58	29	0.00	—1.12	0 00		0	—1.8	x		0	0	8	0	0
Satkhira	84.6	—0.6	90	3	61.1	—1 1	55	28,29,30	0.00	—0.74	0,00		0	—1.2	0.1	—0 8	0	0	0	0	0
Jessore P.T. (R)																					
RAJSHAHI																					
Pabna (R)																					
Ishurdi	83.9		88	3	58.8		51	26,30	0.00		0.00		0	—0.8	x		0	0	0	0	0
Sirajgonj	85.3		88	3	61 7		53	26	0.00	—0.69	0.00		0	—0 8	1.1		0	0	0	0	0
Bogra P.B.O.	85.2	+2.8	91	3	61.3	—1.5	53	26	0.00	—0.77	0.00		0	—0.8	0.8	—0.1	0	0	0	0	0
Dinajpur	85.5	+3.0	89	2,3	58.8	=2.2	48	26	0.00	—0.44	0 00		0	—0.6	x		0	0	0	0	0
Rangpur	83.8		87	2	60.3		50	26	0.00	—0.40	0.00		0	—0.5	1.1		0	0	19	0	0
Lalmonirhat	83 4		86		60.8		50	26	0.00		0.00		0		x		0	0	22	0	0
KASHMIR																					
Jammu (x)																					
LAHORE																					
Lahore P.B.O.	78.8	—4.1	87	11,14,15	50.2	+2.9	35	30	0.54	+0.44	0.34	19	2	+1 7	1.4	+0.6	2	0	0	0	0
Lahore Cantt.	78.0	—	86	6 days.	50.8	—	35	30	0.48	—	0.35	21	2	—	2.3	—	3	0	0	0	0
Sialkot	77.7	—2.9	87	14	51.4	+2.3	38	28	0.47	+0.30	0.25	20	2	+1.6	0.9	+0.3	0	0	0	0	1
RAWALPINDI																					
Jhelum	79.0	—	88	8,9	47.9	—	36	29,30	1.19	—	0.68	20	3	—	1.7	—	3	0	0	0	0
Chaklala	74.1	—	82	10,11,14	44.7	—	33	30	1.05	—	0.77	20	2	—	4.0	—	1	0	1	0	0
Rawalpindi	74.4	—3.3	84	11	45.5	+1.1	33	30	1.11	+0.83	0.79	20	2	+1.5	2.0	+0.9	1	0	0	0	0
Campbellpur	75.4	—	86	10,11	44.9	—	32	29,30	0.36	—	0.36	20	1	—	x	—	0	0	0	0	0

(R) Register not received. (x) — Data not available. (B) — Observation for 29 days.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF NOVEMBER, 1962.

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.	Visibility Code Figure 93 or less: Haze (dust).	Visibility Code Figure 93 or less: Dust Storm.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
SARGODHA																					
Khushab	79.8	—3.0	90	3	*	—	—	—	0.25	+0.17	0.25	19	1	+0.8	2.6	+0.6	0	0	0	0	0
Sargodha	78.2	—	87	8	48.2	—	33	30	0.38	—	0.30	19	1	—	3.5	—	0	0	0	0	0
Mianwali	*	—	—	—	*	—	—	—	0.90	—	0.90	19	1	—	(x)	—	0	0	0	0	0
Lyallpur	76.7	—5.3	85	11,14	51.1	+2.0	38	29,30	0.37	+0.26	0.32	19	1	+0.8	1.1	0.0	1	0	0	0	0
MULTAN																					
Montgomery	81.1	—2.3	90	10	52.3	+0.7	37	29	0.77	+0.72	0.77	19	1	+0.8	0.1	—1.6	1	1	0	0	0
Multan P.B.O.	80.8	—	89	15	49.6	—	33	30	0.47	—	0.37	19	2	—	1.2	—	3	0	0	0	0
Multan Surf.	81.7	—1.2	91	6	54.1	+3.2	38	30	0.30	+0.24	0.25	19	1	+0.9	(x)	—	1	0	0	0	0
Leiah	83.2	—	97	2	47.2	—	38	26,28	0.09	—	0.09	20	0	—	(x)	—	1	0	0	0	0
BAHAWALPUR																					
Khanpur P.B.O.	83.7	—	93	6	49.0	—	33	30	0.05	—	0.05	21	0	—	2.0	—	1	0	4	0	0
Bahawalpur	81.9	—3.5	92	11,12	*	—	—	—	0.00	—0.01	0.00	—	0	0.00	0.9	—0.4	0	0	0	0	0
Fort Abbas	80.5	—	91	4,7	51.4	—	37	30	0.00	—	0.00	—	0	—	2.0	—	0	0	0	0	0
PESHAWAR																					
Chakdara	67.8	—	80	9	43.8	—	33	28	1.03	—	0.68	20	3	—	(x)	—	2	0	0	0	0
Peshawar	74.8	—2.0	85	9	49.3	+0.4	38	39	0.19	—0.12	0.18	20	1	+0.4	2.2	+1.3	3	0	0	0	0
Risalpur	75.4	—	85	7	44.7	—	31	30	0.82	—	0.70	20	2	—	(x)	—	1	0	1	0	0
Haripur	75.8	—	85	9,10,11	47.5	—	37	26,30	0.72	—	0.72	20	1	—	5.5	—	0	0	0	0	0
Kohat P.A.F.	75.1	—	85	1,9,10	51.9	—	39	24	0.76	—	0.44	20	2	—	6.0	—	0	0	0	0	0
D. I. KHAN																					
Bannu	73.9	—6.3	85	10	49.6	—0.3	37	24	0.68	+0.52	0.68	20	1	+0.8	1.1	—	1	1	0	0	0
D. I. Khan	79.7	—2.2	89	10	50.1	+1.4	36	27,30	0.03	—0.12	0.03	19	0	—0.3	0.2	—0.3	0	0	0	0	0
QUETTA																					
Sibi	87.2	+0.8	96	3 days,	51.8	—1.3	33	30	0.30	+2.28	0.30	17	1	+0.9	1.9	+0.2	0	0	0	0	0
KALAT																					
Nokkundi	75.1	—4.9	90	10,11	44.2	—5.5	24	29	0.00	0.03	0.00	—	0	—0.1	x	—	0	0	0	0	0
Turbat	87.5	—	97	3 days.	x	—	x	—	x	—	x	—	x	—	x	—	0	0	0	2	0
Jiwani	83.4	—	93	5	62.2	—	51	3 days.	0.00	—	0.00	—	0	—	5.0	—	0	0	0	1	0
Pasni (R)	.	—	.	—	.	—	.	—	.	—	.	—	.	—	.	—	0	0	0	0	0
KARACHI																					
Ormara	85.1	—0.6	92	3 days.	62.7	—1.1	53	30	0.00	—0.00	0.00	—	0	0.0	4.0	0.0	0	0	0	0	0
Lasbela	*	—	*	—	*	—	*	—	(x)	—	(*)	—	*	—	*	—	0	0	0	0	0
Karachi (Manora)	85.6	+0.4	91	5,8	64.6	—2.3	56	25	0.00	—0.08	0.00	—	0	—0.3	*	—	0	0	0	0	0
Karachi (Mauripur)	86.1	—	98	3	62.2	—	53	30	0.03	—	0.00	—	0	—	6.4	—	0	0	0	0	0
Karachi (City)	87.5	—	98	7	61.6	—	52	22,28	0.00	—	0.00	—	0	—	x	—	0	0	0	0	0
Karachi (Airport)	87.0	—	97	7	59.4	—	48	22	0.00	—	0.00	—	0	—	2.7	—	0	0	0	0	0
Gadap	86.8	—	97	6	61.2	—	54	3days	0.00	—	0.00	—	0	—	3.6	—	0	0	0	0	0

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

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF NOVEMBER, 1962.

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
HYDERABAD																					
Dadu	x	—	x	—	x	—	x	—	—	—	—	—	—	—	x	—	0	0	0	0	0
Mithi	91.4	—	100	7	52.4	—	44	28,29	0.00	—	0.00	—	0	—	0.6	—	0	0	0	0	0
Nagarparker	*	—	*	—	*	—	*	—	0.00	—	0.00	—	0	—	x	—	0	0	0	0	0
Umerkot	89.9	—	98	1	56.0	—	44	38.30	0.00	—	0.00	—	0	—	x	—	0	0	0	0	0
Chhor	89.8	—	97	3	52.4	—	40	29,30	0.00	—	0.00	—	0	—	0.5	—	0	0	2	0	0
Hyderabad	87.5	−1.3	99	8	61.8	+3.0	52	30	0.00	−0.06	0.00	—	0	−0.1	3.2	+0.1	0	0	0	0	0
Badin	91.0	+0.8	99	2	59.0	−0.9	47	29	x	—	x	—	x	—	x	—	0	0	0	0	0
KHAIRPUR																					
Padidan	84.2	—	94	6,8	.	—	.	—	0.00	—	0.00	—	0	—	2.2	—	0	0	0	0	0
Nawabshah	89.0	—	96	7,8,9	54.0	—	41	29,30	0.00	—	0.00	—	0	—	3.1	—	0	0	0	1	0
Sukkur	85.8	−0.4	95	11	57.7	−0.4	47	3 days	0.00	0.00	0.00	—	0	0	x	—	0	0	0	0	0
Kashmore	86.0	—	91	10,11	*	—	*	—	0.00	—	0.00	—	0	—	x	—	0	0	0	1	0
Jacobabad	84.8	−1.1	93	6,10	56.6	+2.1	41	30	0.09	+0.04	0.09	19	0	−0.1	3.2	+1.0	1	0	0	0	0
JUNAGARH																					
Veraval (R)																					
ARABIA																					
Muscat (s)																					
HILL STATIONS																					
KASHMIR																					
Srinagar (X)																					
Gulmarg (X)																					
Gurez (X)																					
arg (X)																					
Sonam (X)																					
Drasrgil (X)																					
KaLeh (X)																					
Skardu	52.5	−1.0	61	5	28.8	+0.3	17	26	0.03	−0.03	0.01	20,21, 22	0	−0.1	3.4	+1.7	0	0	1	0	0
Misgar	41.6	—	52	12	22.0	—	12	23	0.04	—	0.04	14	0	—	(b) 3.9	—	0	0	0	0	0
Aliabad (X)																					
Gilgit P.B.O.	62.6	—	71	4,10	33.7	—	21	28	0.07	—	0.07	20	0	—	2.6	—	0	0	0	0	0
RAWALPINDI																					
Murree	54.4	−5.1	66	10	38.2	−2.8	26	24	1.92	+1.19	0.48	20	7	+5.8	6.3	+3.0	4	2	0	0	0
PESHAWAR																					
Drosh	64.2	+0.1	77	4	41.8	−1.8	33	6 days	2.19	+1.85	0.69	14	6	+4.8	2.4	+0.8	1	0	0	0	0
Cherat	63.2	−2.2	79	10	46.8	−2.9	36	22	0.82	+0.45	0.41	19,20	2	+1.4	6.7	+0.6	1	0	2	0	0
Kakul	66.5	—	80	10	46.0	—	35	24	0.83	—	0.59	20	1	—	(x)	—	1	0	0	0	0
Balako	69.0	—	81	10	42.2	—	33	28,29,30	0.78	—	0.66	20	1	—	0.9	—	0	0	0	0	0
Landikotal	65.8	—	78	14	40.8	—	30	25	1.38	—	0.64	15	3	—	x	—	2	0	0	0	0
Parachinar	63.2	−1.5	75	10	37.8	−1.5	28	28,30	0.30	−0.10	0.21	14	1	−0.2	2.5	+0.7	0	0	0	0	0

(P) — Register not received. (*) — Data ejected (x) — Data not available. (a) — Mean for 15 days. (s) — Observations suspended.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF NOVEMBER, 1962.

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
D. I. KHAN																					
Miranshah	71.1	—2.3	83	10	44.8	—1.6	33	30	0.45	+0.43	0.45	19	1	+1.0	2.8 (b)	—0.4	0	0	0	0	0
Wana	70.0	—0.1	80	10,11	35.4	—0.1	20	30	0.00	—0.07	0.00	—	0	—0.2	2.0	—	0	0	0	0	0
QUETTA																					
Fort sandeman (P.T.)	70.0	—1.4	80	9	41.2	+0.1	25	30	0.00	—0.13	0.00	—	0	—0.2	x	—	0	0	0	0	0
Fortsandeman (P.B.O.)	67.1	—	78	10	39.4	—	24	30	0.00	—	Tr	19	0	—	2.0	—	0	0	0	0	0
Hindubagh	*	—	*	—	*	—	*	—	0.00	—	0.00	—	0	—	5.1	—	0	0	0	0	0
Loralai	67.8	—	81	9	38.4	—	23	29	0.16	0.00	0.16	17	1	+0.5	2.8	—	0	0	0	0	0
Harnai	74.1	—	84	8,9	48.0	—	35	28	0.00	—0.18	0.00	—	0	—0.3	x	—	0	0	0	0	0
(Samungli)	62.9	—	73	10	25.4	—	8	29,30	0.00	—	Tr	17	0	—	3.2	—	0	0	0	0	0
Quetta (P.T.)	61.5	—	72	3 days	27.5	—	9	30	0.00	—	0.00	—	0	—	1.5	0.0	0	0	0	0	0
Quetta (P.B.O.)	63.8	—	74	12,13	32.2	—	16	30	0.00	—	0.00	—	0	—	2.5	—	0	0	0	0	0
Chaman	62.2	—5.4	77	5	40.9	—2.5	22	29,30	0.00	—0.23	0.00	—	0	—0.7	x	—	0	0	0	0	0
Nushki	68.7	—	86	1	47.1	—	29	29,30	0.00	—	0.00	—	0	—	x	—	0	0	0	0	0
Dalbandin	72.5	—3.8	87	5 days	36.5	—4.0	18	30	0.00	—0.06	Tr	17	0	—0.2	4.1	+1.7	0	0	0	0	0
KALAT																					
Kalat	58.8	—4.9	69	9	27.0	—3.6	9	29	0.15	—0.08	0.15	17	1	+0.2	x	—	0	0	0	0	0
Panjgur (P.B.O.)	70.1	—	85	9,12	43.4	—	26	30	0.00	—	0.00	—	0	—	5.1	—	0	0	0	0	0

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

REGD. No. S-1452

PAKISTAN WEATHER REVIEW, 1962

MONTHLY WEATHER REPORT

DECEMBER

(PUBLISHED BY THE AUTHORITY OF THE GOVERNMENT OF PAKISTAN)

Chief Features:

1. Scattered rainfall in Rajshahi division only on one day.

2. Pronounced rainfall activity over West Pakistan outside Hyderabad division between the 16th and the 18th and only in the northern divisions on the 27th.

East Pakistan:

Except for scattered rain in Rajshahi division on the 9th weather remained dry over East Pakistan.

The total rainfall during the month was in large defect over the whole region.

The mean maximum temperature was normal in Chittagong and Khulna divisions and above normal elsewhere. The mean minimum temperature was normal everywhere. The mean relative humidity was in defect in Khulna division and normal over rest of the region.

Skies were less clouded than usual over Chittagong division and normally clouded elsewhere.

West Pakistan:

The weather was dry and unusually cold over the Province till the middle of the second week. The spell of cold and dry weather was broken as a result of the passage of two feeble western disturbances which moved across the northern part of the Province towards the end of the second week and caused scattered light rain or drizzle in Peshawar, Quetta and Karachi divisions on the 13th, practically throughout the northern and central divisions on the 14th and in Lahore and Peshawar divisions on the 15th Local rain or snow also occurred in Kalat division on the 15th.

In the early part of the second fortnight three active western disturbances moved across the northern parts of the Province. The first one was associated with a secondary wich formed over the north Arabian Sea on the 15th, and moved away north eastward by the 17th. Under their combined influence fairly widespread rain or snow with locally heavy falls were received in the whole of West Pakistan on the 16th and outside Karachi and Hyderabad divisions on the 17th with the local rain or snow in Lahore, Rawalpindi, Peshawar and Karachi divisions on the 18th. Scattered light rain or drizzle also fell in Hyderabad and Khairpur divisions on the 16th. According to newspaper reports a number of Kutcha houses collapsed in the villages surrounding Peshawar.

Noteworthy amounts of rainfall recorded in this spell were. Pasni 2", and Ormara 3" on the 16th; Campbellpur and Cherat 2" each on the 17th and Campbellpur 2! on the 18th.

Again towards theend of the second fortnight an active western disturbance moved northeastwards across Peshawar division while its secondary moved across Quetta divisions. These caused local to fairly widespread rain or snow in Peshawar, Rawalpindi and Lhore divisions and scattered in D.I. Khan and Quetta divisions between the 26th and the 27th. Cherat recorded 2", of rain on the 27th, when according to newspaper reports, the snow drift in Murree caused dislocation in traffic.

During the rest of the month two feeble western disturbances influenced the weather over the province and caused a few falls of light rain or snow in Kalat division on the 19th and in Peshawar and Rawalapindi divisions on the 28th. The total rainfall during the months was in slight defect in Quetta division in large defect in Hyderabad division; normal in D.I. Khan division; in slight excess in Mulatan division; moderate excess in Lahore and Khairpur divisions and in large excess elsewhere. Averaged over the region as a whole it was in large excess.

The mean maximum temperature was normal in Peshawar, D. I. Khan, Quetta, Kalat, Karachi and Khairpur divisions and below normal elsewhere. The mean minimum temperature was above normal in Bahawalpur division, below normal in Quetta and Karachi division and normal elsewhere.

The mean relative humitidy was in excess in Sargodha, Multan and Bahawalpur divisions, defect in Peshawar division and normal over rest of the region.

Skies were clouded more than usual over Lahore and Karachi divisions, less than usual over Sargodha, Peshawar and Kalat divisions and as usual elsewhere.

Table 1 contains the divisional means of rainfall, temperature, relative humidity and the cloud amount for the 18 chief puolitical divisons 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 MEANS FOR DECEMBER, 1962.

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
EAST PAKISTAN	"	"	"		"	"	mb	%	
Chittagong	0.00	0.40	—0.40	—100	+0.1	+0.1	+0.7	—4	—0.7
Dacca	0.00	0.20	—0.20	—100	+2.8	+0.8	+0.2	—5	+0.2
Khulna	0.00	0.20	—0.20	—100	+0.4	+0.9	—0.1	—6	+0.1
Rajshahi	0.00	0.08	—0.08	—100	+2.8	+0.7	+0.6	—5	—0.1
Mean	0.00	0.23	—0.23	—100	+1.4	+0.6	+0.4	—5	—0.3
WEST PAKISTAN									
Kashmir (x)									
Lahore	0.75	0.59	+0.16	+27	—4.1	+0.9	+0.7	+1	+0.5
Rawalpindi	2.55	1.52	+1.03	+68	—2.3	—0.4	—0.1	+5	+0.3
Sargodha	0.69	0.34	+0.35	+103	—2.5	—0.1	+2.1	+29	—1.1
Multan	0.75	0.22	+0.35	+24	—2.5	+1.7	+0.1	+6	+0.2
Bahawalpur	0.89	0.13	+0.76	+585	—2.0	+2.7	+0.8	+8	—0.1
Peshawar	2.19	1.17	+1.02	+87	—0.1	—1.3	—0.9	—6	—0.7
D. I. Khan	0.55	0.51	+0.04	+8	—1.0	—1.0	—0.1	+2	—0.4
Quetta	0.58	0.69	—0.11	—16	—1.1	—2.9	—1.3	—3	—0.3
Kalat	1.21	0.64	+0.57	+89	—1.9	—1.7	—0.6	+1	—0.9
Karachi	1.88	0.42	+1.46	+348	—0.3	—3.3	—0.5	+4	+0.7
Hyderabad	0.04	0.10	—0.06	—60	—2.7	—0.3	+0.1	+4	+0.1
Khairpur	0.15	0.10	+0.05	+50	—1.5	0.0	+3.3	+3	—0.1
Mean	0.94	0.54	+0.40	+74	—1.7	—0.8	—0.1	+3	—0.3
Junagadh (X)									

(X) Data not available.

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TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF DECEMBER, 1962

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 geopotential of 850/700 mbs. pressure level in Gpm.	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 Observation 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										
CHITTAGONG																							
Rangamati	0000	208	1009.0		1016.2	62.3	61.4	60.5	18.2		95		4.8		26	1	1	0	0	0	3	0	8
	0300		1010.6		1018.0	66.5	63.4	61.3	18.5		85		2.9		24	2	0	0	1	0	1	3	0
	1200		1007.2		1014.6	72.4	65.4	60.3	18.2		67		1.6		19	1	1	0	0	0	4	6	0
Cox's Bazar (P.B.O.)	0000	10	1013.5		1013.8	60.9	59.6	58.3	16.8		92		1.7		5	22	2	1	0	0	0	0	1
	0300		1015.8		1016.1	70.1	64.7	61.1	18.4		73		1.9		10	20	1	0	0	0	0	0	0
	1200		1012.8		1013.1	71.9	66.4	62.9	19.6		73		2.3		19	1	0	0	0	0	0	6	5
Chittagong (P.B.O.)	0000	19	1014.4		1015.1	58.8	58.1	57.4	15.2		96		1.3		0	17	0	0	0	0	0	0	14
	0300		1016.3		1017.0	66.7	62.8	59.9	17.8		79		1.9		2	24	0	0	0	0	0	0	5
	1200		1013.3		1014.0	71.3	65.2	61.1	18.5		71		1.5		1	0	0	0	0	0	5	11	14
Chittagong (P.T.)	0000	46																					
	0300		1014.9 (a)	—0.2	1016.5 (a)	70.2 (a)	64.3 (a)	61.0 (a)	17.9 (a)	0.0	71 (a)	—11	1.4 (a)	—0.2	2	23	0	0	0	0	0	1	5
	1200		1011.9		1013.5	70.6	63.9	59.3	17.1		67		1.1		1	0	0	0	0	0	4	12	13
Maijdee Court	0000	25	1014.6 (a)		1015.5 (a)	56.5 (a)	55.8 (a)	55.1 (a)	14.9 (a)		95 (a)		0.0 (a)		0	0	0	0	0	0	0	0	31
	0300		1016.3	+0.3	1017.2	68.4	63.2	59.5	17.4	—0.5	74	—7	0.8	—0.5	2	0	0	0	0	0	0	2	26
	1200		1012.8		1013.7	69.7	64.3	60.8	18.1		74		0.2		0	0	0	0	1	0	1	1	28
Comilla	0000	29	1014.8 (a)		1015.8 (a)	56.5 (a)	55.6 (a)	54.6 (a)	14.7 (a)		93 (a)		0.0		0	0	0	0	0	0	0	0	31
	0300		1015.9 (a)	—0.2	1016.9 (a)	68.1 (a)	64.0 (a)	61.2 (a)	18.6 (a)	+1.1	79 (a)	+2	0.0	—1.0	0	0	0	0	0	0	0	0	31
	1200		1012.4 (a)		1013.4 (a)	72.8 (a)	8.6 (a)	6.2 (a)	22.0 (a)		80 (a)		0.1		0	0	0	0	0	0	0	0	31
Brahmanbaria	0000	32	1014.5		1015.6	58.4	57.3	56.4	15.5		94		2.0		0	0	0	0	0	0	0	0	31
	0300		1016.5		1017.6	68.0	63.4	60.4	17.9	+0.9	77	+6	1.3		4	4	0	0	0	0	0	3	21
	1200		1012.9		1014.0	70.3	64.6	60.8	18.2		72		1.5		0	0	0	0	0	0	0	0	31
Sylhet (P.B.O.)	0000	115	1010.8		1014.8	57.0	55.7	54.5	14.6		91		1.2		0	1	30	0	0	0	0	0	0
	0300		1012.9		1017.0	66.2	61.3	58.1	16.3		75		1.7		0	0	31	0	0	0	0	0	0
	1200		1009.3		1013.4	68.7	62.5	58.0	16.6		69		1.3		0	1	0	0	0	1	7	1	21
Srimangal	0000	77	1012.8		1015.7	48.6	48.2	47.7	11.3		96		0.0		0	0	0	0	0	0	0	0	31
	0300		1014.7	0.0	1017.5	65.7	61.5	58.6	16.8	+1.3	78	—6	0.1	—1.2	0	0	0	0	0	0 (a)	0	0	31
	1200		1011.6		1014.4	62.9	59.7	57.3	16.0		82		0.0		0	0	0	0	0	0	0	0	31
DACCA																							
Mymensingh	0000	62	1013.5		1015.8	58.3	57.4	56.6	15.7		94		0.8		0	1	0	0	0	0	1	0	29
	0300		1015.7	+0.3	1017.9	64.1	61.4	59.7	17.4	+1.0	87	+4	0.5		0	1	2	3	0	0	8	0	17
	1200		1011.5		1014.1	71.6	66.0	62.4	19.3		75		0.3	—1.0	0	0	0	1	0	0	4	0	26
Jamalpur	0000	64	1013.0		1015.3	56.9	56.2	55.3	15.1		95		0.1		10	3	0	2	0	4	7	5	0
	0300		1015.4		1017.7	65.2	63.5	62.1	19.2		91		0.3		9	2	0	0	0	6	4	10	0
	1200		1011.6		1013.8	67.7	65.9	64.5	20.9		91		0.3		9	0	0	0	0	5	5	12	0
Narayanganj	0000	26	1014.3		1015.2	59.2	57.7	56.5	15.6		90		1.0		0	0	0	0	0	0	0	0	31
	0300		1016.5	+0.2	1017.4	67.5	62.3	58.5	16.8	+0.2	73	—5	1.3	—0.2	1	0	0	0	0	0	0	3	27
	1200		1013.0		1013.8	71.6	63.6	58.0	16.5		63		1.1		0	0	0	0	0	0	0	0	31
Dacca (Tejgaon)	0000	27	1013.7		1014.6	54.7	53.9	53.1	13.9		95		0.7		1	0	0	0	0	0	0	0	30
	0300		1016.0		1016.9	65.3	61.2	58.3	16.6		78		1.2		13	1	0	0	0	0	0	1	16
	1200		1012.6		1013.5	69.5	62.9	58.2	16.7		67		1.2		0	0	0	0	0	0	1	3	27

(a)— Mean for 30 days.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF DECEMBER 1962.

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 geopotential of 850/700 mbs. pressure level in Gpm.	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										
DACCA —contd.																							
Faridpur	0000	46	1013.6		1015.3	57.0	55.9	54.7	14.8		92		1.1		7	1	0	0	0	0	0	3	20
	0300		1016.2	+0.6	1017.8	66.0	61.1	56.7	16.0	—0.4	74	— 6	1.7	+0.7	14	1	0	0	0	0	0	8	8
	1200		1012.3		1013.9	71.7	64.1	58.2	17.0		64		1.4		3	1	0	0	0	0	0	0	27
KHULNA																							
Barisal	0000	11	1015.4		1015.8	58.8	57.1	55.7	15.3		91		0.7		0	0	0	0	0	0	0	0	31
	0300		1017.0	+0.6	1017.4	70.5	63.9	59.1	17.3	—0.3	68	—11	0.9	—0.2	10	2	0	0	0	0	0	0	19
	1200		1013.6		1014.0	73.3	64.1	57.6	16.3		59		0.9		2	1	0	0	0	0	0	0	28
Khulna	0000	16	1015.1		1015.7	58.7	57.1	55.7	15.2		90		0.6		0	0	0	0	0	0	0	0	31
	0300		1017.4	+0.4	1017.9	69.4	62.2	56.9	15.9	—0.1	65	—2	1.0	—0.3	0	0	0	0	0	0	0	0	31
	1200		1013.5		1014.0	71.9	64.1	58.8	16.9		63		0.5		0	0	0	0	0	0	0	0	31
Satkhira	0000	16	1015.7		1016.3	55.5	54.4	53.1	13.9		93		1.0		0	0	0	0	0	0	0	0	31
	0300		1018.6	+1.8	1019.2	67.1	61.3	56.8	15.9	+0.1	70	—5	1.3	+0.2	3	2	0	0	0	0	0	0	26
	1200		1014.8		1015.4	71.1	65.3	61.3	18.7		73		1.5		0	0	0	0	0	0	0	0	31
Jessore (PT) (R)	0000	26																					
	0300																						
	1200																						
RAJSHAHI																							
Pabna	0000	48	1013.6		1015.3	56.1	55.0	54.2	14.3		93		1.0		0	0	0	0	0	0	0	4	27
	0300		1015.7		1017.4	65.5	60.3	56.2	15.5	—0.7	72	—4	1.2		1	1	0	0	0	0	1	23	5
	1200		1012.0		1013.7	70.5	62.3	56.1	15.5		61		0.4		0	0	0	0	0	0	0	0	31
Ishurdi	0000	—				52.6	51.8	51.0	12.8		94		2.2		8	2	1	0	2	4	9	5	0
	0300					64.3	59.6	55.8	15.4		75		2.0		7	3	1	1	0	1	6	12	0
	1200					67.4	60.6	55.2	15.0		65		2.1		4	1	0	0	1	6	7	12	0
Sirajganj	0000	51	1013.9		1015.8	56.6	55.2	53.7	14.3		91		0.6		0	0	0	0	0	0	0	0	31
	0300		1015.8		1017.7	67.3	61.6	57.3	16.2		71		0.8		0	0	0	0	0	0	1	4	26
	1200		1011.7		1013.5	69.9	63.6	59.2	17.2		69		0.7		0	0	0	0	0	0	0	0	31
Bogra (P.B.O)	0000	65	1013.1		1015.5	56.3	55.2	54.1	14.4		93		1.1		0	1	0	0	0	0	0	2	28
	0300		1015.3	0.0	1017.6	65.8	60.9	57.0	16.1	+0.8	74	—2	1.6	+0.5	3	2	0	0	0	0	1	5	20
	1200		1011.7		1014.0	71.5	64.1	58.9	17.1		65		1.6		0	1	0	0	0	0	0	2	28
Dinajpur	0000	123	1010.9		1015.4	54.1	52.8	51.5	13.1		91		0.5		0	0	0	0	0	0	0	0	31
	0300		1013.1	—0.2	1017.5	64.8	59.4	55.5	14.9	+0.4	72	—9	0.4	—0.6	0	0	0	0	0	0	0	0	31
	1200		1009.3		1013.6	70.1	63.0	58.1	16.5		65		0.8		0	0	0	0	0	0	0	0	31
Rangpur	0000	113	1011.8		1016.0	54.2	53.4	52.5	13.6		94		0.8		0	0	0	0	0	0	1	1	29
	0300		1013.9		1018.0	62.7	60.3	58.4	16.8		86		1.0		2	9	5	1	1	0	7	4	2
	1200		1009.9		1014.0	69.7	65.1	62.2	19.1		77		1.1		0	0	0	0	0	0	0	0	31
Lalmanirhat	0000	—	1012.2		x	55.0	54.7	54.3	14.5		98		4.8		0	0	0	0	0	0	0	0	31
	0300		1016.7		x	63.1	60.3	58.6	16.5		86		1.0		0	4	3	5	0	0	0	3	16
	1200		1011.2		x	69.1	64.1	61.0	18.1		76		1.6		0	0	0	0	0	0	0	0	31

(x) — Data not available
(R) — Register not received.
(a) — Mean for30 days

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF DECEMBER, 1962.

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 geopotential of 850/700 mbs. pressure level in Gpm.	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
KASHMIR	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	ok/tas										
Jammu (x)	0300	1200																					
	1200																						
LAHORE																							
Lahore (P.B.O.)	0000	702	992.2		1018.2	45.0	43.9	42.7	9.2		91		1.9		2	3	0	0	0	0	0	2	24
	0300		993.7	+0.4	1019.6	46.4	44.6	42.7	9.3	+0.4	86	+1	3.1	+0.7	3	2	0	2	0	0	1	1	22
	1200		992.0		1017.0	63.0	55.1	47.2	11.3		57		2.5		0	1	0	0	0	0	4	4	22
Lahore Cantt.	0000	709	(a) 991.7		(a) 1017.9	(a) 45.1	(a) 43.7	42.2	9.0		89		1.3		2	2	0	0	0	0	1	2	24
	0300		993.3	—	(a) 1019.5	(a) 46.3	(b) 44.3	42.2	9.0	—	84	—	3.1	—	4	3	0	2	0	1	0	0	21
	1200		991.5		1016.8	62.9	54.0	45.0	10.3		52		2.9		0	3	2	0	0	0	0	5	21
Sialkot	0000	830	*		*	(e) 44.7	(e) 42.6	40.4	8.3		84		(e) 3.1		x	x	x	x	x	x	x	x	x
	0300		(e) 989.1	+0.2	(e) 1019.4	(e) 49.6	(e) 47.5	44.7	10.4	+1.1	85	+1	(e) 2.5	+0.4	x	x	x	x	x	x	x	x	x
	1200		(e) 986.8		(e) 1016.3	(e) 61.0	(e) 55.5	50.1	12.6		69		(e) 2.4		x	x	x	x	x	x	x	x	x
RAWALPINDI																							
Jhelum	0000	767	990.0		1018.5	43.8	42.3	40.7	8.5		88		1.9		3	1	0	1	0	0	0	7	19
	0300		991.4	—	1019.8	45.0	42.8	40.0	8.3	—	82	—	2.8	—	2	4	0	3	0	0	1	6	15
	1200		989.5		1016.9	61.2	53.5	45.5	10.5		56		2.6		0	0	1	1	0	0	4	9	16
Chaklala	0000	1667	958.9		1020.0	39.9	38.2	35.7	7.2		83		2.7		2	3	0	0	0	0	5	3	18
	0300		960.3	—	1021.4	40.1	38.4	36.3	7.2	—	83	—	2.9	—	2	1	0	0	0	0	6	4	18
	1200		95.86		1017.5	58.4	48.2	35.9	7.4		45		3.1		1	1	1	0	1	1	20	0	6
Rawalpindi	0000	1675	958.5		1019.9	40.5	39.2	37.6	7.6		87		1.7		1	2	0	0	0	0	0	0	28
	0300		959.8	+0.2	1021.2	40.7	39.2	37.4	7.5	+0.5	87	+11	3.0	+0.4	2	2	1	0	0	1	3	1	21
	1200		958.3		1017.7	56.6	48.5	39.9	8.4		54		3.1		0	1	1	0	1	6	13	0	9
Campbellpur (R)	0300	1175	*		*	41.1	39.1	35.3	7.2	—	82	—	1.8	—	5	7	4	8	2	1	2	10	0
	1200		(a) 975.9		(a) 1017.8	(a) 59.7	(a) 50.8	40.1	4.7		49		2.1		13	7	1	0	0	0	2	7	(a) 0
SARGODHA																							
Khushab	0000	616	995.7		(c) 1018.5	(c) 44.0	(c) 42.7	41.0	8.8		90		*		1	4	2	0	0	1	2	0	21
	0300		997.0	—0.2	1020.0	43.8	42.5	40.7	8.7	+2.1	90	+29	1.7	—0.8	0	1	1	0	2	2	0	0	25
	1200		995.2		1017.2	65.4	56.1	47.2	11.4		52		1.7		4	5	0	2	2	2	4	1	11
Sargodha	0000	617	995.6		1018.5	42.4	41.6	40.5	8.6		93		1.8		4	6	1	0	2	3	3	2	10
	0300		997.1	—	1020.0	42.8	41.6	40.2	8.3	—	90	—	2.5	—	2	6	2	0	1	5	3	2	10
	1200		995.3		1017.2	63.2	54.8	46.7	10.9		55		3.0		0	4	3	3	0	6	4	5	6
Mianwali	0000	679	*	*	*	*	*	—	—		—		0.8		*	*	*	*	*	*	*	*	*
	0300		*	*	*	*	*	—	—		—		1.4		*	*	*	*	*	*	*	*	*
	1200		*	*	*	*	*	—	—		—		0.5		*	*	*	*	*	*	*	*	*
Lyallpur	0000	605	*	*	*	*	*	—	—		—		0.5		1	1	0	0	0	0	0	0	29
	0300		997.7	+0.9	1020.1	45.0	*	—	—	—	—	—	1.8	—1.4	1	0	0	0	0	0	1	0	29
	1200		995.9		*	*	*	—	—		—		2.2		6	1	0	0	0	0	2	0	22
MULTAN																							
Montgomery	0000	558	(b) 995.9		(b) 1018.5	45.4	44.5	43.6	9.6		92		0.7		1	4	0	0	0	0	1	1	24
	0300		999.0	+0.3	1019.7	47.8	45.8	43.6	9.6	+0.8	85	+8	1.5	—0.3	1	3	1	1	1	0	1	2	21
	1200		997.0		1016.9	65.0	55.9	47.9	11.3		53		1.9		0	2	0	0	0	1	0	1	27
Multan P.B.O.	0000	404	1003.4		1018.6	45.6	43.9	41.9	9.0		87		1.3		4	0	0	1	0	0	0	0	26
	0300		1004.8	—	1020.1	45.3	43.4	41.1	8.8	—	84	—	2.3	—	4	0	0	0	0	3	0	1	23
	1200		1002.8		1017.3	65.5	56.4	47.1	11.8		52		3.3		2	6	0	2	2	1	0	1	17

(a) Mean for 30 days.
(b) Mean for 29 days.
(c) Mean for 28 days.
(e) Mean for 26 days.
— Data not available.
— Data rejected.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF DECEMBER, 1962.

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 geopotential of 850/700 mbs. pressure level in G.p.m.	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										
MULTAN—contd.																							
Multan (Surface)	0300	413	1004.8	+0.7	1020.1	50.3	47.0	42.4	9.6	—0.6	76	+4	2.5	+0.7	4	0	1	0	0	0	0	0	26
	1200		1002.2		1017.0	66.1	55.8	45.6	10.6		48		3.7		4	0	0	0	0	0	0	0	27
Leiah	0000	487	*		*	*	*	—	—		—		1.5		7	0	0	0	0	0	0	1	23
	0300		*	—	*	*	*	—	—	—	—	—	1.3	—	4	0	0	0	0	0	0	0	27
	1200		*		*	*	*	—	—		—		2.9		8	0	0	0	0	0	0	0	23
BAHAWALPUR																							
khanpur(P.B.O)	0000	290	1007.0		1017.9	45.3	44.0	42.3	9.2		88		1.4		4	9	0	0	2	0	0	0	16
	0300		1008.5	—	1019.3	46.8	44.8	42.4	9.2	—	85	—	1.5	—	6	4	0	0	1	0	0	0	20
	1200		1006.2		1016.6	68.2	57.0	45.8	10.8		47		1.9		3	12	0	0	0	1	0	0	15
Bahawalpur	0300	384	1005.7	+0.8	1019.9	48.4	46.0	43.3	9.5	+0.8	82	+8	1.8	—0.1	0	1	0	1	0	0	0	0	29
	1200		1003.0		1016.6	66.1	56.7	47.9	11.5		52		1.3		1	2	1	1	0	0	0	0	26
Fort Abbas	0000	475	*		*	*	—	—	...		...		0.8		10	8	3	0	0	0	0	4	6
	0300		1002.4	—	1019.9	52.4	48.2	42.6	9.6	—	71	—	0.7	—	4	8	5	3	3	0	1	0	7
	1200		999.6		1016.5	66.2	56.8	47.7	11.6		52		0.5		10	4	1	0	1	0	2	0	13
PESHAWAR																							
Chakdara	0000	2197	940.0		1020.2	38.3	36.5	33.6	6.6		84		0.7		11	0	0	0	0	0	0	0	20
	0300		941.0	—	1020.9	39.4	37.2	33.6	6.6	—	80	—	1.0	—	10	1	0	0	0	0	0	0	20
	1200		938.5		1015.5	54.8	47.6	39.5	8.3		57		1.1		5	0	0	0	4	0	0	0	22
Peshawar	0000	1177	976.8		1019.7	42.7	39.6	34.5	6.9		74		2.1		0	1	0	13	14	0	0	1	2
	0300		978.2	+0.2	1021.6	42.2	39.0	33.7	6.7	+0.3	72	+7	2.6	—1.4	0	0	1	12	6	1	0	1	10
	1200		976.4		1018.3	59.6	51.0	41.1	8.9		52		3.5		2	0	0	3	5	0	1	0	20
Risalpur	0000	1047	981.1		1019.7	38.7	37.8	36.3	7.3		92		2.0		0	0	0	0	0	3	9	1	18
	0300		982.4	—	1021.0	39.1	37.8	35.8	7.1	—	87	—	2.8	—	1	1	0	1	0	0	6	2	20
	1200		980.6		1017.5	59.2	50.4	39.5	8.6		48		3.6		1	3	1	0	1	2	10	4	9
Haripur	0300	1757	956.9	—	1020.7	44.0	39.7	33.6	6.6	—	67	—	1.3	—	0	27	1	0	0	1	0	2	0
	1200		955.2		1017.2	58.1	50.5	41.9	9.5		58		1.6		0	15	0	3	0	13	0	0	0
Kohat	0000	1683	(c) 959.2		(c) 1020.5	45.3	40.7	34.5	6.8		66		1.8		1	0	0	1	1	0	0	21	7
	0300		960.4	—	1021.4	46.1	41.1	34.0	6.7	—	63	—	2.5	—	1	1	0	1	0	1	1	15	11
	1200		959.0		1018.3	60.0	50.4	40.0	8.6		49		2.8		1	5	0	2	1	1	1	1	19
D. I. KHAN																							
Bannu	0000	1263	(b) 972.8		(b) 1019.3	43.0	39.9	35.2	7.0		67		1.0		0	0	0	0	0	0	0	1	30
	0300		973.8	—	1020.4	43.6	39.8	33.5	6.7	+0.1	68	+8	1.8	—0.4	0	0	0	0	0	0	0	2	29
	1200		(c) 972.4		(c) 1017.4	61.4	53.6	44.9	10.6		55		1.6		0	1	0	2	1	1	0	1	25
D. I. Khan	0000	570	(a) 996.8		1018.0	43.2	41.3	38.7	8.0		83		0.9		0	0	0	0	0	0	0	0	31
	0300		998.1	—0.5	1019.3	44.1	(f) 41.1	36.6	7.4	0.0	76	+4	1.9	—0.4	0	2	0	0	0	0	0	1	28
	1200		995.8		1016.2	64.4	(f) 55.7	47.8	11.2		54		1.5		0	1	0	0	0	0	0	0	30

(a) Means for 30 days
(b) Means for 29 days
(c) Means for 28 days
(f) Means for 25 days

* Data rejected

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF DECEMBER, 1962

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 geopotential of 850/700 mbs. pressure level in Gpm.	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										
QUETTA																							
Sibi	0000	441	1003.3		1020.2	41.6	36.8	26.9	5.3		59		1.2		*	*	*	*	*	*	*	*	*
	0300		1001.6	+2.4	1021.0	44.5	40.1	32.4	6.4	—0.1	62	+12	2.2	—0.1	*	*	*	*	*	*	*	*	*
	1200		1001.5		1016.7	72.5	54.9	34.3	7.0		29		2.7		*	*	*	*	*	*	*		*
KALAT																							
Nokkundi	0000	2229	939.1		1020.1	41.8	*	*	*		*		0.8		11	2	1	1	0	0	0	14	2
	0300		941.1	—	1022.6	43.9	*	*	*	—	37	—	1.4	—1.3	8	1	1	0	1	1	1	14	4
	1200		938.3		1015.1	65.1	50.1	33.7	6.3		33		2.2		4	1	9	4	5	3	0	5	0
Turbat	0000	510	996.7		1014.8	56.4	52.0	34.9	11.3		55		*		0	8	6	0	1	0	0	0	16
	0300		997.2	—	1015.4	55.7	52.8	33.6	12.3	—	53	—	*	—	0	10	8	0	0	1	0	1	11
	1200		995.4		1013.2	76.4	61.3	39.:	11.7		29		*		0	9	5	0	1	2	4	0	10
Jiwani	0000	185	1009.8		1016.8	61.2	56.0	50.0	13.0		70		1.3		15	4	2	1	0	0	2	1	6
	0300		1011.2	—	1018.2	60.5	54.9	46.7	12.2	—	67	—	2.0	—	17	6	2	0	0	0	1	1	4
	1200		1009.4		1016.0	73.1	61.3	51.1	13.2		50		2.5		0	3	3	4	5	5	9	1	1
Pasni	0000	28	1015.1		1016.1	60.5	56.7	53.2	14.0		78		1.1		5	2	5	0	0	0	1	9	9
	0300		1016.1	—0.8	1017.1	59.8	55.9	51.9	13.5	—0.6	76	+1	1.2	—0.6	0	0	6	6	6	11	0	0	2
	1200		1013.9		1014.9	74.0	66.1	61.0	18.1		63		1.5		0	0	6	6	6	11	0	0	2
KARACHI																							
Ormara	0000	15	1015.5		1016.0	58.2	56.4	54.6	14.7		89		1.1		0	0	3	4	1	0	1	1	21
	0300		1016.8		1017.3	59.7	57.5	55.4	15.2	+0.2	87	+10	1.9	—0.2	0	1	7	1	0	0	1	0	21
	1200		1014.5		1015.0	72.6	64.5	59.3	17.1		64		2.1		0	0	2	8	1	2	17	0	1
Lasbela	0000	292	*		*	59.6	*	*	*	—	*		4.0		*	*	*	*	*	*	*	*	*
	0300		*	—	*	62.3	*	*	*	—	.	—	3.8	+2.5	*	*	*	*	*	*	*	*	*
	1200		*		*	72.9	*	*	*		.		3.8		*	*	*	*	*	*	*	*	*
Karachi (Manora)	0000	13	1015.6		1016.1	57.6	52.2	46.4	10.9		67		1.9		4	13	3	0	0	0	1	0	10
	0300		1017.0	—0.5	1017.5	59.6	52.9	45.7	10.7	—1.2	60	—2	1.7	—0.1	6	16	5	0	0	0	0	0	4
	1200		1014.2		1014.7	74.8	62.7	54.1	14.1		48		1.6		1	4	4	1	0	8	11	1	1
Karachi (Mauripur)	0000	52	1014.2		1016.1	56.9	51.3	44.1	10.4		66		1.1		5	21	3	0	0	0	1	0	1
	0300		1015.8	—	1017.6	57.1	51.0	42.9	10.0	—	64	—	1.9	—	3	23	1	0	0	0	0	0	4
	1200		1013.1		1014.9	75.5	60.9	46.8	11.7		40		1.8		1	5	4	0	8	8	5	0	0
Karachi (City)	0300	20	1016.4	—	1017.1	57.4	51.7	46.8	10.5	—	68	—	1.1	—	x	x	x	x	x	x	x	x	x
	1200		1013.4		1014.1	74.4	62.3	52.5	13.8		48		2.0		x	x	x	x	x	x	x	x	x
Karachi (Air Port)	0000	73	1013.8		1016.6	53.8	48.7	42.0	9.4		66		1.2		7	8	1	0	0	0	0	0	15
	0300		1015.7	—	1018.5	54.8	49.5	42.4	9.7	—	66	—	1.7	—	2	6	2	0	0	0	0	1	20
	1200		1012.5		1015.2	75.5	60.1	44.8	10.8		40		1.9		2	8	2	0	4	9	4	0	2
Gadap	0300		x	--	x	(d) 60.6	(d) 54.2	(d) 48.0	(d) 11.5	—	(d) 64	—	(d) 0.9		12	11	0	0	(d) 0	0	0	0	4
	1200		x		x	(d) 74.5	(d) 59.1	(d) 45.0	(d) 10.2		(d) 35		(d) 1.4		8	12	1	0	(d) 0	2	2	0	2
HYDERABAD																							
Mithi	0000	96	1013.0	—	1016.6	49.2	45.9	41.7	9.1		75		0.0		0	0	0	0	0	0	0	0	31
	0300		1014.1	—	1017.7	52.7	47.4	40.5	8.8	—	63		0.5	—	0	2	0	0	0	0	0	0	29
	1200		1010.9		1014.3	78.2	65.5	56.2	15.9		50		0.2		3	2	0	0	0	0	0	9	17

(*) Data rejected.
(x) Data not available.
(d) Mean for 27 days.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF DECEMBER 1962

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 geopotential of 850/700 mbs. pressure level in C.p.m.	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
HYDERABAD—contd.	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	Oktas										
Nagarparker	0000	178	1008.4		1014.9	58.5	54.2	49.7	12.5		75		0.1		1	0	0	0	0	0	0	0	30
	0300		1009.9	—	1016.4	61.1	54.9	48.7	12.0	—	64	—	0.3	—	1	1	0	0	0	0	0	1	28
	1200		1006.8		1012.9	77.7	63.8	51.6	14.0		43		0.3		5	3	0	0	1	0	0	1	21
Dadu	0000	131	.		.	(b)	(b)	(b)	(b)		(b)		0.0		16	0	1	0	0	0	4	0	10
	0300		.	—	.	46.7	42.9	38.0	7.8	—	71		0.0	—	15	0	3	1	1	0	8	1	2
	1200		.		.	(b) 74.6	(b) 61.1	(b) 50.0	(b) 12.3		(b) 42		0.0		19	1	1	0	1	1	5	1	2
Umerkot (R)	0000	55																					
	0300																						
	1200																						
Chhor	0000	19	1015.3		1016.0	46.6	43.1	38.0	7.9		73		1.4		1	1	0	0	0	0	0	0	29
	0300		1017.2	—	1017.9	51.4	45.9	37.5	8.1		62		1.4		1	3	0	0	0	0	0	0	27
	1200		1014.0		1014.7	75.7	57.6	37.5	8.1		28		1.4		3	3	0	0	0	1	0	2	22
Hyderabad	0000	98	1013.2		1016.9	54.9	49.1	42.0	9.4		63		1.0		25	0	0	0	1	0	0	0	5
	0300		1015.1	+0.3	1018.7	55.1	49.1	41.7	9.2	+0.1	62	+4	1.5	+0.1	26	0	0	0	0	0	0	0	5
	1200		1012.5		1016.0	73.5	58.5	44.4	10.0		37		1.4		23	0	1	0	0	1	0	0	6
Badin (R)	0000	31																					
	0300																						
	1200																						
KHAIRPUR																							
Padidan	0000	153	1012.1		1017.4	46.7	44.5	41.7	9.2		83		0.8		13	2	0	0	0	0	0	5	11
	0300		1013.7	—	1019.7	46.7	44.2	41.0	8.8	—	81		0.7	—	5	1	0	0	0	0	2	8	15
	1200		1010.8		1016.2	70.8	56.5	42.0	9.4		36		1.2		16	2	0	0	0	1	0	7	5
Nawabshah (R)	0000	124	1013.9		1018.6	47.3	44.8	41.6	9.0		81		1.2		4	1	0	0	0	0	0	20	6
	0300		1015.6		1020.1	46.8	44.3	40.0	8.8		80		1.3		7	0	0	1	0	0	2	18	3
	1200		1012.7		1017.2	72.5	57.8	43.0	9.8		36		2.4		12	4	0	1	2	0	0	8	4
Sakkur	0300	221	1010.9	+0.5	1019.0	52.0	48.0	43.0	9.6	+0.4	73	+8	2.1	+0.8	3	6	0	4	3	2	0	0	13
	1200		1008.1		1016.0	71.8	58.3	45.5	10.6		39		2.1		9	7	0	5	1	2	1	5	1
Kashmore	0000	225	*		*	56.0	46.0	32.0	8.5		40		0.5		0	4	0	0	0	0	0	0	27
	0300		*	—	*	60.6	49.6	35.3	8.7	—	39		0.8		0	5	0	0	0	0	0	0	26
	1200		*		*	71.7	53.6	30.3	8.9		21		1.4		2	10	0	0	0	0	2	1	16
Jacobabad	0000	183	1011.0		1017.9	50.2	47.0	45.0	9.8		78		0.8		1	2	7	3	0	0	0	5	13
	0300		1012.7	+0.5	1019.3	50.0	45.0	40.0	15.0	+6.3	65	−3	0.7	−0.9	5	0	3	0	3	0	3	7	10
	1200		1010.3		1016.8	71.1	59.5	51.3	10.0		50		2.6		6	1	2	2	3	3	4	6	4
JUNAGARH																							
Veraval	0300	26	(f) 1014.9	—	(f) 1015.9	(m) 67.4	(m) 57.9	(m) 49.8	(m) 11.7	—	(m) 55	—	(f) 0.5	—	5	15	2	0	(f) 1	0	0	2	0
	1200		(d) 1011.8		(d) 1012.8	(o) 80.3	(o) 69.3	(o) 61.9	o 19.5		o 53		(d) 1.5		3	1	1	0	(c) 5	2	6	8	3
ARABIA																							
Muscat (S)	0300																						
	1200																						

a) Data rejected.

(b) Mean for 29 days.
(c) Mean for 28 days.
(d) Mean for 27 days.

(f) Mean for 25 days.
(m) Mean for 18 days.
(o) Mean for 17 days.
(R) Data not received.

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 geopotential of 850/700 mbs. pressure level in Opn.	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
	GMT.	Ft.	Mb.	Mb.	Mb.	oF	oF	oF	Mb	Mb.	%	%	oktas										
HILL STATIONS																							
KASHMIR																							
Srinagar (X)	0000																						
	0300																						
	1200																						
Gulmarg (X)	0300	—																					
	1200																						
Gurez (X)	0300	—																					
	1200																						
Sonamarg (X)	0300																						
	1200																						
Dras (X)	0300																						
	1200																						
Kargil (X)	0300																						
	1200																						
Leh (X)	0000	—																					
	0300																						
	1200																						
Skardu	0000	7250	—		—	—	—	—	—		—		—		—	—	—	—	—	—	—	—	—
	0300		783.1	—	1561.6	21.8	21.1	19.4	3.5	—0.9	91	+13	6.1	+1.2	0	0	0	0	0	1	1	0	29
	1200		780.9		1527.1	30.7	27.2	20.7	3.8		66		4.0		0	0	0	0	0	0	1	0	30
Misgar	0000	10190	—		—	—	—	—	—		—		—		—	—	—	—	—	—	—	—	—
	0300		708.6	—	3197.3	13.8	12.5	9.4	2.0	—	82	—	3.8	—	3	4	1	0	2	2	5	12	2
	1200		707.1		3183.4	23.3	21.5	17.8	3.2		79		3.5		0	5	4	3	1	3	10	4	1
Aliabad (X)	0300	—																					
	1200																						
Gilgit (PBO)	0000	4789	859.8		1551.0	31.4	29.2	24.3	4.6		79		4.3		0	0	0	1	0	0	9	1	20
	0300		861.3	—	1564.3	32.7	29.8	24.0	4.5	—	78	—	4.8	—	0	0	1	1	1	4	2	1	21
	1200		858.1		1538.1	39.3	33.8	23.8	4.4		53		4.3		0	0	1	0	4	3	2	0	21
RAWALPINDI																							
Murree	0000	7113	784.7		1514.8	38.2	32.6	22.8	4.3		55		3.6		0	1	7	15	0	1	3	4	0
	0300		780.0	—0.1	1528.9	38.1	31.5	18.5	3.7	—0.6	47	—1	3.4	+0.3	0	6	13	9	0	0	0	1	2
	1200		785.4		1518.1	41.7	35.0	24.1	4.5		51		3.9		0	3	5	10	0	0	3	5	5

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF DECEMBER, 1962

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 geopotential of 850/700 mbs. pressure level in Gpm.	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
PESHAWAR	G.M.T.	F.T.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas										
Drosh	0000	4806	858.6		1545.3	37.2	31.6	19.7	3.8		50		2.4		0	3	1	1	0	1	0	0	25
	0300		859.9	+0.8	1557.7	36.5	31.1	19.9	3.8	—1.4	52	—13	3.3	—0.2	0	1	3	1	0	1	0	0	25
	1200		857.0		1531.1	46.2	36.1	14.4	3.2		31		3.8		0	2	5	10	0	2	0	0	12
Cherat	0000	4272	872.2		1512.5	45.5	36.3 (d)	18.0	3.6		35		1.5		21	0	1	0	1	0	0	0	8
	0300		873.4	+0.2	1523.5	45.3	36.3 (c)	18.9	3.7	—1.3	35	—13	2.6	—0.3	15	1	1	0	0	0	0	9	5
	1200		872.6		1517.4	48.9	39.3 (d)	23.5	4.4		38		2.3		20	0	0	0	5	1	3	2	0
Kakul	0000	4214	874.2		1511.1	41.6	36.1	26.5	5.0		57		3.0		6	13	2	0	0	0	0	6	4
	0300		875.4	—	1523.0	42.4	36.3	26.1	4.9	—	53	—	3.0	—	10	3	5	0	1	0	0	9	3
	1200		874.4		1516.5	49.9	42.4	32.5	6.3		51		3.2		2	1	1	4	7	1	2	8	5
Balakot	0000	3226	(x)		(x)	39.3	35.9	30.3	5.9		70		2.1		0	0	0	0	0	0	0	1	30
	0300		(x)	—	(x)	38.5	34.9	30.2	5.4	—	69	—	2.2	—	0	0	0	0	0	0	0	0	31
	1200		(x)		(x)	52.4	44.2	34.0	6.6		49		2.1		1	0	0	0	0	0	0	1	29
Landikotal	0000	3503	896.8		1497.8	37.3	33.8	27.7	5.2		69		2.0		0	1	0	0	0	2	0	0	28
	0300		897.7	—	1505.3	37.3	33.4	27.2	4.9	—	65	—	2.0	—	0	0	0	0	0	2	0	0	29
	1200		896.7		1509.5	52.1	44.3	32.9	6.6		50		2.8		0	0	0	0	0	16	0	0	15
Parachinar	0000	5673	(x)		(x)	*	*	—	—		—		2.7		0	0	0	0	0	0	0	0	31
	0300		(x)	—	(x)	34.7	29.8	19.3	3.9	—1.4	57	—6	2.3	—0.7	0	0	0	0	0	0	0	0	31
	1200		(x)		(x)	49.6	37.9	18.4	3.6		31		2.6		6	2	1	0	0	0	0	0	22
D. I KHAN																							
Miranshah	0000	3026	*		*	*	*	—	—		—		1.9		0	1	0	0	0	0	0	0	30
	0300		913.4	—	1500.5	39.2	33.9	24.2	4.5	—0.2	53	—1	1.6	—1.4	0	0	0	0	0	0	0	0	31
	1200		911.6		1507.8	59.8	48.2	34.1	6.8		39		2.5		0	12	0	0	0	1	0	0	18
Wana	0300	4503	*	—	*	33.4	30.1 (k)	25.4	4.4	—0.4	66	—4	2.2	+0.6	0	0	0	0	0	0	0	0	31
	1200		*		*	55.2	47.5 (k)	31.8	8.1		53		2.3		0	0	0	0	0	0	0	0	31
QUETTA																							
Fortsandeman (P.T.)	0300	4614	863.2	+0.7	1532.3	36.1	31.2	21.2	3.9	—1.3	59	—14	2.2	—0.4	0	0	9	1	0	1	0	1	28
	1200		861.7		1518.7	56.2	42.0	19.0	3.5		23		2.7		0	1	1	0	0	1	1	0	27
Fortsandeman (P.B.O.)	0000	4615	862.6		1523.5	34.8	30.5	21.0	4.0		58		1.4		0	1	0	0	0	2	0	0	28
	0300		863.8	—	1535.6	35.5	31.0	21.3	4.0	—	58	—	2.6	—	0	0	0	1	0	1	0	1	28
	1200		861.6		1512.7	54.6	42.2	21.1	4.9		29		3.3		0	7	1	0	1	2	1	3	16
Hindubagh (R)	0000	5909																					
	0300																						
	1200																						
Loralai	0000	4699	858.8		1514.4	33.6	31.8	28.5	4.6		82		1.1		7	9	3	0	0	1	1	0	10
	0300		859.7	—	1527.3	46.2	33.7	28.6	1.6	—	74	—	2.6	—	2	0	1	0	1	5	10	11	1
	1200		857.6		1509.6	53.9	48.6	41.8	9.6		69		3.3		0	0	3	16	9	1	1	0	1
Harnai	0000	2861	916.1		1478.1	43.1	36.5	26.6	4.6		51		1.0		0	0	0	0	0	0	0	27	4
	0300		917.4		1492.8	44.1	37.9	25.6	5.3	—	50	—	1.2	—	0	2	0	0	0	0	0	28	1
	1200		914.8		1490.0	62.0	51.4	45.2	8.5		45		2.5		0	0	0	21	6	3	0	0	1
Quetta Samungli)	0000	5213	843.7		1524.5	27.0	25.5	23.0	4.1		85		1.5		0	0	2	5	1	0	0	0	23
	0300		844.9	—	1536.1	25.9	24.6	22.0	3.9	—	87	—	2.4	—	0	0	9	7	0	0	1	0	14
	1200		843.2		1513.6	51.6	41.7	26.0	5.5		45		3.0		4	0	0	2	0	2	4	14	5

(x) Data not available.
(b) Mean for 27 days.
(c) Mean for 8 days.

(*) Data rejected.
(k) Mean for 20 days.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF DECEMBER, 1962

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. (pressure at 32°F and mean pressure level in c/pm. mbs.)	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: Relative humidity.	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										
Quetta (P.T.)	0300	5490	836.2	−0.1	1538.1	37.3	33.2	27.0	5.1	+0.1	65	−8	2.7	0.0	1	0	0	1	2	0	0	1	26
	1200		833.8		1511.0	51.9	41.2	25.8	5.0		40		1.8		5	0	0	0	2	0	1	3	20
Quetta (P.B.O.)	0000	5560	832.9		1530.1	31.2	27.4	20.3	4.0		64		1.2		0	0	4	0	1	1	0	0	25
	0300		833.4	—	1535.1	31.1	27.8	21.7	4.0	—	68		2.1	—	1	2	7	6	0	1	0	1	13
	1200		832.3		1519.0	50.1	39.8	25.2	4.7		40		2.2		0	0	0	0	0	3	6	5	17
Chaman	0000	4311	871.4		1513.0	38.1	32.5	20.6	5.6		52		1.5		0	0	18	3	2	8	0	0	0
	0300		871.8	−1.1	1517.0	38.4	33.5	29.5	4.5	−1.4	59	−1	1.6	−1.3	0	1	15	6	2	6	1	*	*
	1200		869.9		1505.1	51.4	42.9	27.7	6.0		43		2.1		1	0	0	1	1	19	8	1	0
Nushki	0000	3416	905.1		1554.0	45.8	38.9	26.5	5.4		46		0.9		0	10	9	0	2	1	1	7	1
	0300		906.4	—	1564.0	46.9	38.4	21.2	4.5	—	41		1.1		0	13	15	0	0	2	0	0	1
	1200		904.4		1559.0	58.6	42.4	18.7	6.0		25		2.1		1	6	5	0	2	4	6	7	0
Dalbandin	0000	2788	921.8		1497.1	36.3	32.4	24.8	4.6		61		1.7		6	11	4	1	1	1	0	0	7
	0300		923.1	+0.8	1507.0	35.0	28.3	24.4	2.6	−4.0	66	−3	2.4	+0.1	2	18	0	1	1	2	0	0	7
	1200		921.0		1523.1	61.4	44.1	27.7	2.8		31		3.4		0	17	8	1	0	1	1	1	2
KALAT																							
Kalat	0000	6616	800.7		1536.9	25.6	*	*	*		*		0.6		0	0	0	0	10	1	0	0	0
	0300		801.2	−0.4	1543.8	28.9	*	*	*	—	*	—	1.3	−0.9	1	0	0	2	24	*	1	1	0
	1200		799.8		1512.4	47.9	*	*	*		*		2.8		10	0	0	0	8	2	*	9	0
Panjgur (P.B.O.)	0000	3180	908.1		1502.0	40.6	36.9	30.0	6.0		68		1.3		0	8	10	0	0	0	0	0	3
	0300		909.5	—	1514.9	40.2	36.9	31.0	6.2	—	30	—	1.9	—	1	16	10	0	0	0	0	0	1
	1200		907.1		1515.9	62.3	50.2	36.5	7.5		42		2.5		10	4	0	1	1	6	3	3	5

* — Data rejected.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF DECEMBER, 1962

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
CHITTAGONG																					
Rangamati	82.0		87	7	61.6		56	30	0.00		0.00	0	0		x		0	0	31	0	0
Cox's Bazar (P.B. O.)	80.3		85	5	60.3		54	31	0.00		0.00	0	0		x		0	0	0	0	0
Chittagong (P.B.O.)	79.6		83	4 days	58.4		52	31	0.00		0.00	0	0		x		0	0	2	0	0
Chittagong (P.T)	81.2	+2.2	85	9, 10	57.2	0.0	51	31	0.00	—0.64	0.00	0	0	—0.7	x		0	0	0	0	0
Maijdee Court	(a) 78.9	+0.4	85	3	(a) 55.5	—4.2	48	31	0.00	— 0.28	0.00	0	0	0.4	x		0	0	0	0	0
Comilla	(a) 80.8	+1.6	85	1	(a) 55.5	+0.7	50	31	0.00	—0.30	0.00	0	0	—0.4	x		0	0	0	0	0
Brahmanbaria	78.5	—1.3	82	7	57.1	+1.7	51	30	0.00	—0.31	0.00	0	0.5		0.9		0	0	9	0	0
Sylhet (P.B.O.)	78.9		84	9	56.1		51	25,29,31	0.00	—	0.00	9	0		x		0	0	0	0	0
Srimangal	79.9	—0.5	85	7	48.1	—1.4	41	30	0.00	—0.25	0.00	0	0	—0.5	0.8	—0.3	0	0	0	0	0
DACCA																					
Mymensingh	78.9	+1.2	84	6, 9	56.9	+0.9	49	30	0.00	—0.09	0.00		0	—0.3	x		0	0	19	0	0
Jamalpur	80.3		83	8, 9, 26	54a9		46	30	0.00		0.00		0		x		0	0	15	0	0
Narayanganj	81.3	+2.8	85	7 days	58.3	+0.8	52	30, 31	0.00	—0.20	0.00	0	0	—0.4	0.9	—0.2	0	0	0	0	0
Dacca (Tejgaon)	78.2		82	6 days	54.2		46	30	0.00		0.00	0	0		x		0	0	12	0	0
Faridpur	76.5	+0.1	81	4, 6	53.5	+0.6	49	30	0.00	—0.15	0.00		0	—0.3	x		0	0	1	0	0
KHULNA																					
Barisal	78.6	+0.5	82	8 days	57.6	+1.0	52	31	0.00	—0.25	0.00	0	0	—0.5	x		0	0	3	0	0
Khulna	80.2	+1.5	85	5 days	58.4	+1.3	51	31	0.00	—0.19	0.00	0	0	—0.3	x		0	0	2	0	0
Satkhira	79.8	—0.8	85	5	54.7	+0.3	46	31	0.00	—0.17	0.00	0	0	—0.3	0.6	—0.3	0	0	0	0	0
Jessore P. T. ("R")																					
RAJSHAHI																					
Pabna	73.3	—0.5	84	2	55.9	+1.7	47	31	0.02	—0.13	0.02	9	0	—0.3	x		0	0	2	0	0
Ishurdi	77.9		83	5, 6	51.5		43	30, 31	0.02		0.02	9	0		x		0	0	0	0	0
Sirajganj	80.3		88	7	54.4		46	30	0.00	—0.09	0.00	0	0	—0.3	1.4		0	0	0	0	0
Bogra (P.B.O.)	79.7	+3.0	84	5 days	55.3	+0.8	48	30	0.00	—0.09	0.00	6	0	—0.2	1.3	+0.4	0	0	0	0	0
Dinajpur	79.7	+2.6	84	3, 8	52.5	+0.5	47	14, 29	0.00	—0.06	0.00	0	0	—0.1	x		0	0	0	0	0
Rangpur	78.1		83	1, 9	53.0		49	27,28,30	0.00	—0.08	0.00	0	0	—0.2	1.2		0	0	1	0	0
Lalmonirhat	78.2		83	11	54.8		49	28	0.00		0.00	0	0		x		0	0	0	0	0
KASHMIR																					
Jammu(x)																					
LAHORE																					
Lahore (P.B.O.)	68.1	—4.2	74	4	42.4	+1.8	34	31	0.29	—0.18	0.15	17	1	0.0	1.6	+0.8	2	0	5	0	0
Lahore Cantt.	67.6	—	74	4	(a) 41.9	—	34	31	0.12	—	0.12	17	1	—	2.1	—	1	0	16	4	0
Sialkot	(d) 65.5	—3.9	73	4	(e) 42.2	0.0	36	31	1.12	+0.49	06.8	17	3	+1.7	x	—	0	0	3	0	0
RAWALPINDI																					
Jhelum	68.7	—	77	5	41.3	—	35	31	2.18	—	1.35	27	2	—	1.7	—	1	0	1	0	0
Chaklala	65.7	—	73	3, 4. 5,	37.5	—	32	31	3.23	—	1.32	17	4	—	3.1	—	1	1	9	0	0
Rawalpindi	64.9	—1.9	75	5	38.0	+0.2	31	31	2.81	+1.57	1.53	17	4	+1.7	1.6	+0.4	0	0	0	0	0
Campbellpur	63.0	—	72	4	37.0	—	30	31	4.55	—	2.22	17	3	—	x	—	0	0	0	0	0

(b) Mean for 29 days.
(j) Data for 22 days

(x) — Data not available.

(d) Mean for 27 days.
(e) Mean for 26 days.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF DECEMBER, 1962

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
SARGODHA																					
Khushab	69.2	—2.5	76	4	(c) 40.5	—1.0	33	30	0.86	+0.43	0.86	17	1	+0.1	2.1	+0.2	0	0	2	0	0
Sargodha	67.7	—	74	4	38.6	—	32	1	0.77	—	0.56	17	2	—	3.2	—	1	0	4	0	0
Mianwali	69.9	—	74	10, 11	*	—	—	—	0.87	—	0.87	17	1	—	x	—	0	0	0	0	0
Lyallpur	*	—	—	—	42.9	+0.7	35	2	0.52	+0.27	0.48	17	1	+0.2	1.1	—0.1	0	0	0	0	0
MULTAN																					
Montgomery	68.7	—3.3	74	10, 12, 14	43.8	+0.7	36	1, 2	0.69	+0.43	0.69	17	1	+0.2	0.3	—1.3	0	0	0	0	0
Multan (P.B.O.)	69.7	—	75	4, 10	41.8	—	33	2	0.78	—	0.76	17	1	—	1.6	—	0	0	4	0	0
Multan (surface)	69.9	—1.8	76	5 days	46.2	+2.8	38	1	0.82	+0.58	0.80	17	1	+0.3	x	—	0	0	0	0	0
Leiah	*	—	—	—	*	—	—	—	0.25	—	0.25	17	1	—	x	—	0	0	2	2	0
BAHAWALPUR																					
Khanpur (P.B.O.)	71.5	—	79	10	42.3	—	32	1	0.86	—	0.82	17	1	—	2.9	—	0	0	5	1	0
Bahawalpur	72.0	—2.0	78	11, 12	(d) 46.3	+2.7	40	20	0.89	+0.67	0.89	17	1	+0.4	1.4	—0.2	0	0	0	0	0
Fort Abbas	69.8	—	79	12	43.4	—	33	3	0.26	—	0.26	17	1	—	2.5	—	0	0	0	0	0
PESHAWAR																					
Chakdara	*	—	—	—	36.0	—	31	31	4.04	—	1.76	17	4	—	x	—	0	0	0	0	0
Peshawar	65.4	—1.3	74	4, 6	39.6	+1.3	34	31	2.09	—14.2	1.19	17	4	+2.4	2.1	+1.0	0	0	3	0	0
Risalpur	64.6	—	73	3, 4, 5,	35.1	—	29	12, 31	2.87	—	1.89	17	4	—	x	—	0	0	4	0	0
Haripur	65.5	—	74	5	39.2	—	34	29, 30 31	2.14	—	1.09	17	4	—	5.8	—	0	0	0	0	0
Kohat	64.4	—	74	5	42.0	—	35	27	2.97	—	2.16	17	5	—	5.4	—	0	0	0	0	0
D. I. KHAN																					
Bannu	*	—	—	—	40.4	—1.6	33	30	0.47	+0.07	0.47	17	1	—0.5	0.9	—	0	0	0	0	0
D. I. Khan	69.4	—2.1	79	11	40.4	—0.8	33	1	0.47	+0.23	0.40	17	1	+0.3	0.2	—0.4	0	0	0	0	0
QUETTA																					
Sibi	75.4	+0.5	81	5, 6	40.1	—5.4	33	1	0.20	—0.10	0.20	17	1	+0.1	1.2	—0.3	0	0	0	0	0
KALAT																					
Nokkundi	68.2	—2.7	75	11, 24, 25,	39.6	—3.8	28	4	0.09	—0.05	0.09	15	0	—0.3	x	—	0	0	0	0	0
Turbat	80.3	—	85	4 days	x	—	x	—	0.80	—	0.50	16	2	—	x	—	0	0	0	0	0
Jiwani	75.2	—	79	23	57.5	—	47	5	2.02	—	1.19	16	2	—	4.3	—	0	0	0	0	0
Pasni	76.8	—1.1	81	14, 15	57.2	+0.6	49	7, 8	3.36	+2.52	2.33	15	2	+0.5	x	—	0	0	0	0	0
KARACHI																					
Ormara	76.1	—1.3	80	2, 15, 31	56.0	—2.9	50	5 days	3.35	+2.71	2.60	16	3	+1.8	3.8	+0.1	0	0	0	0	0
Lasbela	*	—	*	—	*	—	*	—	x	—	x	—	x	—	*	—	0	0	0	0	0
Karachi (Manora)	79.5	+0.8	85	13	56.4	—3.7	49	17	0.43	+0.23	0.43	16	1	+0.5	x	—	0	0	0	0	0
,, (Mauripur)	78.5	—	82	8	54.3	—	45	2	0.18	—	0.15	16	1	—	6.7	—	0	0	1	0	0
,, (City)	78.0	—	85	14	53.5	—	44	3	0.54	—	0.24	16	3	—	x	—	0	0	0	0	0
,, (Airport)	79.3	—	82	5 days	51.3	—	41	2, 4	0.24	—	0.18	16	1	—	3.0	—	0	0	0	0	0
Gadap	(d) 78.6	—	83	23	(d) 52.1	—	46	17	0.15	—	0.15	16	1	—	(d) 3.0	—	0	0	0	0	0

(c) Means for 28 days
(d) Mean for 30 days.
(d) Means for 27 days
(c) Means for 26 days.
(x) Data not available.
(*) Data rejected

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF DECEMBER, 1962

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.
	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
HYDERABAD																					
Mithi	81.4	—	88	26	44.8	—	35	31	0.00	—	0.00	—	0	—	1.1	—	0	0	0	0	0
Nagarparker	*	—	*	—	*	—	*	—	x	—	x	—	0	—	x	—	0	0	0	0	0
Dadu	79.5	—	83	28	*	—	*	—	0.00	—	0.00	—	0	—	x	—	0	0	0	0	0
Umerkot (R)										—											
Chhor	79·2	—	85	11	44.1	—	31	4	0.15	—	0.15	15	1	—	0.6	—	0	0	0	0	0
Hyderabad	75.9	—2.7	83	14	52.9	+2.3	49	2, 3	0.04	—0.06	0.03	16	0	—0.3	3.2	—0.3	0	0	1	0	0
Badin (R)																					
KHAIRPUR																					
Padidan	72.6	—	77	8, 9	x	—	x	—	0.22	—	0.20	17	1	—	2.7	—	0	0	0	0	0
Nawabshah	75.0	—	80	9	44.3	—	37	1	0.11	—	0.08	16	0	—	4.6	—	0	0	0	0	0
Sukkur	74.0	—2.2	80	10	47.7	—1.0	41	2, 3	0.07	+0.04	0.07	17	0	—0.2	x	—	0	0	0	0	0
Kashmore	73.5	—	78	2, 3, 4,	*	—	*	—	0.20	—	0.20	17	1	—	x	—	0	0	0	0	0
Jacobabad	73.5	—0.9	79	23	47.5	+1.0	40	2	0.24	+0 07	0.23	17	1	+0.5	2.2	+0.2	0	0	0	0	0
JUNAGARH																					
Veraval	x	—	x	—	(n) 60.0	—	48	7	x	—	x	—	x	—	x	—	0	0	0	0	0
ARABIA																					
Muscat (x)																					
HILL STATIONS																					
KASHMIR																					
Srinagar (x)																					
Gulmarg (x)																					
Gurez (x)																					
Sonamarg (x)																					
Dras (x)																					
Kargil (x)																					
Leh (x)																					
Skardu	38.7	—1.9	47	1, 3.	18.6	—3.2	10	24	1.03	+0.65	0.42	18	4	+2.6	0.9	—0.1	0	0	2	0	0
Misgar	30.8	—	41	1	10.4	—	0	31	0.19	—	0.10	17	1	—	1.7	—	0	0	0	0	0
Aliabad (x)																					
Gilgit (P.B.O.)	51.2	—	58	10	27.9	—	18	31	0.07	—	0.07	14	0	--	1.4	—	0	0	0	0	0
RAWALPINDI																					
Murree	48.0	—2.7	58	23	33.9	—1.0	24	30	2.30	+0.50	1.04	27	5	+1.8	8.4	+4.0	0	0	4	0	0
PESHAWAR																					
Drosh	52.0	+1.5	62	12	34.4	—1.2	30	29 30 31	1·29	+0.09	0.84	17	3	—0.2	2.1	+0.3	0	0	0	0	
Cherat	53.1	—0.7	63	8	41.1	—1.3	33	17	3.08	+1.52	1.92	17	3	+0.8	11.3	+2.8	0	0	3	0	0
Kakul	57.7	—	65	1, 4, 9,	39.4	—	32	30	3.44	—	1.26	27	5	—	(x)	—	0	0	0	0	0
Balakot	59.5	—	68	1, 9	35.4	—	32	31	3.78	—	0.84	14	6	—	(x)	—	0	0	0	0	0
Landikotal	55.2	—	61	5, 8, 24,	33.5	—	29	12	2.07	—	1.16	17	4	—	(x)	—	0	0	0	0	0
Parachinar	54.9	+0.1	65	22	31.1	—1.4	24	28	2.28	+1.05	0.83	17	4	+1.1	2.1	+0.4	0	0	0	0	0

(x) Data not available. (R) Register not received. (*) Data rejected (d) Mean for 29 days. (n) Mean for 17 days.

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TABLE II—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTHS OF JULY-DECEMBER 1962

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 geopotential of 700/850 mbs. pressure level in Gpm.	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
	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas										
JULY 1962																							
CHITTAGONG (Division)																							
Maijdee Court	0000	25'	999.4		1000.3	80.4	78.7	78.0	32.7		92		6.3		1	0	1	9	9	0	0	0	11
	0300		1000.3	—0.7	1001.1	83.1	79.5	78.2	32.7	+0.1	85	—3	6.4	+0.8	1	1	1	15	8	1	0	0	4
	1200		997.3		998.1	84.9	80.5	78.5	33.6		81		6.1		0	0	1	12	18	0	0	0	0
Srimangal	0000	77'	997.8		1000.5	78.4	76.7	76.2	30.6		93		3.5		0	0	1*	6	0	0	0	0	24
	0300		998.9	—0.9	1001.5	85.0	80.3	78.4	33.2	+1.4	81	—5	3.6	—1.8	0	0	1	8	5	0	0	0	17
	1200		995.5		998.1	85.0	81.0	79.6	34.3		84		3.9		0	0	0	4	2	1	0	0	24
DACCA (Division)																							
Jamalpur	0000	64'	997.2		999.4	80.5	78.9	78.1	33.0		93		*		0	0	1	0	30	0	0	0	0
	0300		998.3		1000.4	84.0	80.9	79.9	34.6		88		*		0	0	1	0	30	0	0	0	0
	1200		994.2		997.0	85.8	81.6	79.9	35.0		83		*		0	0	0	0	31	0	0	0	0
Faridpur	0000	46'	997.3		998.9	80.6	79·5	79.2	33.9		95		6.4		1	0	0	12	12	1	0	0	5
	0300		998.5	—0.8	1000.1	84.6	80.9	79.3	34.4	+0.7	84	—1	6.8	+0.6	1	1	0	13	13	1	0	0	2
	1200		995.5		997.1	85.8	81.6	80.0	35.0		83		5.6		0	0	0	12	13	3	0	0	3
KHULNA (Division)																							
Khulna "R"	0000	16'																					
	0300																						
	1200																						
Jessore (P/T) "R"...	0000	26'																					
	0300																						
	1200																						
RAJSHAHI (Division)																							
Pabna	0000	48'	997.3		998.9	80.7	79.8	79.5	34.4		96		5.5		0	0	4	15	5	3	0	0	4
	0300		998.1		999.7	85.2	81.3	79.7	34.7	+1.1	84	0	5.9		0	1	1	21	3	2	0	1	2
	1200		994.9		996.5	86.5	82.0	79.8	35.3		81		5.2		1	1	4	16	3	2	0	0	4
AUGUST 1962																							
CHITTAGONG (Division)																							
Maijdee Court	0000	25'	1002.9		1003.8	78.9	77.5	77.1	31.5		94		6.9		0	1	1	12	6	0	0	0	11
	0300		1004.2	+1.5	1005.1	81.3	78.5	77.2	31.4	—1.2	88	+1	7.2	+1.8	0	1	1	17	7	0	1	0	4
	1200		1001.2		1002.1	83.1	78.9	77.4	32.0		83		6.3		0	0	1	12	16	1	0	0	1
Srimangal	0000	77'	1001.4		1004.1	77.1	75.7	75.2	29.7		93		4.2		0	0	0	0	3	0	0	0	28
	0300		1002.6	+1.2	1005.2	82.0	78.3	76.8	31.4	—0.4	84	—1	4.0	—1.3	0	0	5	3	7	0	1	0	15
	1200		999.5		1002.1	81.9	78.7	77.5	32.1		87		4.7		0	0	0	0	0	0	0	0	31
DACCA (Division)																							
Jamalpur	0000	64'	1000.8		1003.0	79.7	78.6	78.4	33.8		95		*		0	0	17	0	14	0	0	0	0
	0300		1002.3		1004.5	81.6	79.7	78.6	34.1		90		*		0	0	18	0	13	0	0	0	0
	1200		998.9		1001.0	83.7	80.6	79.3	34.8		87		*		0	0	18	0	13	0	0	0	0

(a) — Observations for 30 days.

"R" — Register not received.
* — Data rejected.

TABLE II— ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTHS OF JULY-DECEMBER 1962

SGH-DIVISION AND STATION	Hours of observation.	Height of barcistern 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 geopotential of 850/700 mbs. pressure level in Gpm.	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
	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	ok	ts									
KHULNA (Division)																							
Khulna	0000	16'	1002.3		1002.9	79.7	78.9	78.8	33.4		96		4.9		0	0	0	0	1	2	0	0	28
	0300		1003.7	+1.8	1004.3	83.4	80.4	79.3	33.6	+1.0	87	+3	6.0	—0.8	0	0	1	5	6	1	0	0	18
	1200		1000.8		1001.3	83.0	80.0	78.9	33.6		87		5.6		0	0	0	4	5	0	0	0	22
Jessore (P.T) "R"	0000																						
	0300																						
	1200	26'																					
RAJSHAHI (Division)																							
Pabna	0000	48'	1000.7		1002.3	79.7	78.7	78.5	33.1		96		6.1		0	2	1	15	8	1	0	0	4
	0300		1002.1		1003.7	83.5	80.2	78.8	33.7	+0.4	86	+1	6.5		0	1	3	18	8	1	0	0	0
	1200		998.5		1000.1	84.3	80.3	78.7	33.7		85		6.5		0	0	3	13	8	1	0	0	6
SEPTEMBER 1962																							
CHITTAGONG (Division)																							
Maijdee Court	0000	25'	1004.2		1005.0	79.7	78.3	77.2	32.5		93		5.9		2	1	0	6	2	0	0	1	18
	0300		1005.6	+0.8	1006.4	83.4	79.7	77.8	33.0	—0.4	83	—3	5.4	—0.7	3	2	0	10	(b) 4	0	2	2	7
	1200		(b) 1002.0		(b) 1002.8	(b) 84.9	(b) 79.8	(b) 77.7	(b) 32.4		(b) 80		(b) 5.0		0	0	0	6	9	0	2	1	11
DACCA (Division)																							
Jamalpur	0000	64'	1002.8		1005.0	80.3	78.8	78.4	32.9		93		*		0	0	30	0	0	0	0	0	0
	0300		1004·1		1006.2	83.7	80.2	79.0	33.6		86		*		0	0	30	0	0	0	0	0	0
	1200		1000.2		1002.3	85.7	81.6	80.1	34.9		84		*		0	0	30	0	0	0	0	0	0
KHULNA (Division)																							
Barisal	0000	11'	1004.6		1005.0	80.6	78.9	78.3	33.0		93		5.2		0	0	4	0	0	0	0	0	26
	0300		1015.8	—0.5	1006.2	85.1	80.5	78.9	33.4	+0.5	83	0.0	5.8	+0.5	0	0	5	9	9	0	3	0	4
	1200		1002.5		1002.9	84.7	79.8	77.6	32·6		80		5.0		0	0	2	4	9	0	1	0	14
Khulna	0000	16'	1003.8		1004.4	79.9	78.8	78.7	33.1		96		5.0		0	0	4	0	0	0	0	0	26
	0300		(b) 1005.3	—0.8	(b) 1005.9	(b) 84.3	(b) 80.4	(b) 78.9	(b) 33.7	+1.1	(b) 84	+3	(b) 5.6	—0.1	0	1	1	1	0	0	(b) 0	0	26
	1200		1001.6		1002.2	83.3	80.0	78.9	33.5		87		5.0		0	0	1	3	0	0	0	0	26
Jessore (P.T) "R"	0000	26'																					
	0300																						
	1200																						

(a) —Observations for 30 days. (b) Observation for 29 days. *Data rejected. "R" — Register not received.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF JUY-DECEMBER, 1962.

DIVISION AND STATION	Hours of observation.	Height of bar cistern above mean sea level.	Mean Pressure: Station level reduced to standard temperature and gravity.	Departure from normal.	Reduced to standard temperature and M.S.L. geopotential of 1,000 mbs. pressure level in Gpm.	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
	GMT	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas										
RAJSHAHI (Division)																							
Pabna	0000	48'	1002.5		1004.1	80.1	78.8	78.4	33.0		95		4.6		0	0	6	2	3	1	0	1	17
	0300		1003.9		1005.5	84.5	80.4	78.8	32.5	—0.8	83	+2	5.5		3	2	3	10	5	2	0	4	1
	1200		1000.3		1001.9	85.3	80.3	78.3	33.1		80		5.0		0	1	1	12	1	0	0	0	15
CHITTAGONG (Division)					**OCTOBER ' 1962**																		
Cox's Bazar (P.B.O.)	0000	10.	1009.1		1009.4	75.7	74.0	73.1	27.9		92		5.3		6	5	10	1	0	0	0	0	9
	0300		1010.8		1011.1	82.1	77.0	74.1	29.4		79		4.7		10	5	2	3	2	2	1	1	5
	1200		1007.8		1008.1	81.6	77.7	75.0	30.6		81		5.0		10	1	3	2	2	1	2	5	5
Majidee Court	0000	25	1009.4 (a)		1010.3 (a)	75.9 (a)	74.5 (a)	73.8 (a)	28.5 (a)		93 (a)		3.8 (a)		1	2	0	3	0	0	0	1	24
	0300		1011.2	+0.4	1012.1	88.8	75.7	73.5	28.3	—2.3	79	—4	3.0	0.0	17	2	1	2	1	3	0	1	3
	1200		1007.6		1008.4	81.8	76.8	74.7	29.2		80		1.4		3	0	1	1	2	0	2	2	20
DACCA (Division)																							
Mymensingh	0000	62	1008.6		1010.7	74.0	72.7	72.0	26.6		73		3.8		0	0	0	6	0	0	2	1	22
	0300		1011.3	+0.3	1012.4	79.8	75.0	72.6	27.4	—1.4	73	—8	3.3	—0.2	1	0	0	15	0	0	0	0	15
	1200		1006.5		1008.6	83.5	77.3	74.9	30.0		75		3.6		0	0	0	5	1	0	2	1	22
RHULNA (Division)																							
Jessore P/T. "R"	0000	26																					
	0300																						
	1200																						
RAJSHAHI (Division)																							
Pabna	0000	48	1008.2		1010.0	73.9	72.3	71.8	26.4		93		2.8		0	1	1	1	0	1	0	0	27
	0300		1010.0		1011.7	81.0	74.9	72.0	26.8	—2.6	75	—3	2.6		3	1	0	2	3	1	0	7	14
	1200		1006.3		1007.9	82.9	75.6	71.7	26.9		70		2.7		0	0	1	2	0	0	0	0	28
CHITTAGONG (Division)					**NOVEMBER, 1962**																		
Majidee Court	0000	25	1012.8		1013.7	64.0	63.4	62.8	19.8		95		0.0		0	0	0	0	0	0	0	0	30
	0300		1014.7	+0.8	1015.5	75.3	69.9	66.9	22.1	—1.6	75	—5	0.2	—1.6	4	2	0	0	1	0	0	1	22
	1200		1010.2		1011.0	74.8	70.8	68.2	24.0		82		0.0		0	0	0	0	0	0	0	0	30
Comilla	0000	29	1013.0		1014.0	*	*	*	*		*		0.2		2	0	2	1	0	0	0	0	25
	0300		1014.3	+0.4	1015.3	75.6	69.8	66.5	22.2	—1.0	73	—2	0.0	—1.7	0	0	0	0	1	0	0	0	29
	1200		1010.7		1011.7	76.5	72.0	69.5	24.7		79		0.6		0	0	0	0	1	0	0	0	29
Srimangal	0000	77	1010.8		1013.6	58.0	57.0	55.5	15.4		94		0.1		0	0	0	0	0	0	0	0	30
	0300		1012.5	0.0	1015.3	74.7	68.1	63.9	20.6	—0.8	69	—14	0.2	—1.8	1	0	0	1	1	0	0	0	27
	1200		1009.3		1012.0	69.8	66.2	63.7	20.4		82		0.3		0	0	0	0	0	0	0	0	30

(*) aData rejected. "R" Registers not received.

TABLE II—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTHS OF JULY-DECEMBER 1962

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 geopotential of 850/700 mbs. pressure level in Gpm.	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
	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	ok	tas									
DACCA (Division)																							
Mymensingh	0000	62	1011.7		1013.9	65.5	64.8	64.1	20.6		95		0.8		0	0	1	1	0	0	0	1	27
	0300		1013.9	+0.7	1016.1	72.8	69.6	67.4	23.2	+1.4	85	+6	0.3	—1.6	0	10	3	13	0	0	0	0	4
	1200		1010.2		1012.4	78.5	71.4	67.6	23.1		70		0.5		0	0	0	1	0	0	1	2	26
Faridpur	0000	46	1012.3		1013.9	64.9	63.7	62.5	19.6		92		0.4		2	4	0	0	1	1	0	2	20
	0300		1014.2	+0.9	1015.8	74.2	67.9	64.1	20.5	—1.4	71	—6	0.5	—0.9	9	2	1	0	2	1	0	7	8
	1200		1010.3		1011.9	76.7	69.4	64.8	21.3		67		0.3		3	0	0	0	0	0	0	2	25
KHULNA (Division)																							
Jessore (P.T.) "R"	0000	26																					
	0300																						
	1200																						
RAJSHAHI (Division)																							
Pabna	0000	48	1011.7		1013.5	63.2	61.7	60.1	18.2		92		0.5		0	0	0	0	1	0	0	0	29
	0300		1013.8		1015.5	73.4	66.3	62.2	19.1	—2.3	68	—7	0.3		1	0	0	0	1	3	1	11	13
	1200		1010.2		1011.9	77.3	68.3	63.6	19.5		62		0.3		0	0	0	0	0	0	0	0	30

"R" Registers not received.

(a) Observations for 29 days.

Addenda to M.S.S. Table from July—December 1962

TABLE III—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH. JULY-DECEMBER, 1962

SUB-DIVISION AND STATION	Maximum Temperature of the Air °F				Minimum Temperature of the Air °F				Precipitation (inches)						Wind Velocity (knots)		Weather Number of D.				
	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 in. or more.	Departure from normal.	Mean.	Departure from normal.	Thunder heard.	Hail.	Velocity 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
JULY, 1962																					
Chittagong Division																					
Maijdee Court	87.9	+2.1	94	15	78.5	+0.3	76	4 days	23.80	+0.24	5.15	28	18	—5.0	(x)		0	0	0	0	0
Srimangal	91.0	+0.7	98	15	77.5	+1.1	72	5	14.95	+1.04	5.15	18	17	—3.8	30	—0.2	1	0	0	0	0
Dacca Division																					
Jamalpur	89.5		96	15,16	79.1		76	4 days	6.48		3.43	18	9		(x)		0	0	0	0	0
Faridpur	89.1	+1.3	96	15	79.1	+0.6	76	16,19	14.61	+1.87	3.76	25	15	—2.8	4.5	—0.8	0	0	0	0	0
Khulna Division																					
Khulna "R"																					
Jessore P/T. "R"...																					
Rajshahi Division																					
Pabna	90.5	+0.8	96	15	79.6	+3.2	76	18	12.41	+1.32	4.19	18	18	+1.4	(x)		11	0	0	0	0
AUGUST, 1962																					
Chittagong Division																					
Maijdee Court	86.8	+0.3	89	4,16,27	77.7	—0.5	73	20	27.10	+2.77	4.30	16	24	+1.1	(x)		0	0	0	0	0
Srimangal	88.7	—1.4	94	4,13	76.9	+0.8	73	1,20	12.75	—1.55	1.92	20	19	—1.1	3.1	+0.1	9	0	0	0	0
Dacca Division																					
Jamalpur	86.4		91	1	77.9		73	19	12.75		4.33	19	11		(x)		0	0	0	0	0
Khulna Division																					
Khulna	88.0	+0.1	90	6 days	78.9	+0.4	74	21	9.01	—4.78	2.54	21	16	—2.4	(a) 2.1	—1.5	0	0	0	0	0
Jessore P/T "R"																					
Rajshahi Division																					
Pabna	89.1	—0.4	94	2	79.1	+2.8	75	21,22	8.58	—1.88	2.20	11	14	—1.8	(x)		10	0	0	0	0
SEPTEMBER, 1962																					
Chittagong Division																					
Maijdee Court	89.4	+2.7	93	9	78.2	—0.1	71	3	10.00	—6.10	1.80	26	17	+1.0	(x)		0	0	0	0	0
Dacca Division																					
Jamalpur	89.3		94	30	77.5		70	13	10.41		4.00	5	11		(x)		0	0	0	0	0
Khulna Division																					
Barisal	89.4	+1.3	93	13	79.3 (b)	+1.1	73	22	12.35 (b)	+2.27	4.56	22	13	—1.2	(x) (f)		0	0	0	0	0
Khulna	89.1	+0.1	94	2	79.0	+0.5	75	22	9.55	—	3.88	22	9	—	1.2	—1.4	0	0	0	0	0
Jessore P/T	"R"																				
Rajshahi Division																					
Pabna	90.2	—0.6	93	3,9,20	79.4	+3.0	75	24	6.34	—2.03	1.29	22	8	—3.1	(x)		15	0	0	0	0
OCTOBER, 1962																					
Chittagong Division																					
Cox's Bazar P.B.O.	86.6		90	12	75.4 (a)		73	30,31	9.06		3.93	30	6		(x)		3	0	0	0	0
Maijdee Court	85.8	+0.8	90	1,6,7	74.8	—0.8	67	31	16.53	+8.40	6.75	30	5	—2.7	(x)		0	0	0	0	0

(x)— Data not availble.

(a)—Observations for 30 days
(x)— " " 25

"R."—Register not received.
(b) —Observation for 29 days,

Addenda to M.S.S. Table from July to December 1962

TABLE III—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTHS OF JULY-DECEMBER 1962

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.	Visibility Code Figure 93 or less: 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
Dacca Division																					
Mymensingh	87.8	+0.7	93	14	72.9	—1.0	68	30,31	4.07	—2.25	1.30	1	7	+0.9	(x)		1	0	0	0	0
Khulna Division																					
Jessore P/T "R"																					
Rajshahi Division																					
Pabna	88.0	—2.3	93	1	73.0	+0.6	69	30,31	3.17	—1.22	0.85	2	7	+1.5	(x)		1	0	1	0	0
NOVEMBER 1962																					
Chittagong Division																					
Maijdee Court	82.6	—0.7	85	2,3	63.4	—3.9	55	27	0.00	—1.53	0.00		0	—1.9	(x)		0	0	0	0	0
Comilla	84.6	+0.6	88	3	62.8	—1.3	56	27	0.00	—1.29	0.00		0	—1.6	(x)		0	0	0	0	0
Srimangal	84.5	—1.0	87	2,3	57.4	—2.2	49	27	0.00	—1.41	0.00		0	—1.7	1.0	—0.2	0	0	0	0	0
Dacca Division																					
Mymensingh	83.7	+0.8	86	2	64.0	—0.5	55	27	0.00	—0.88	0.00		0	—1.0	(x)		0	0	2	0	0
Faridpur	8.22	—0.1	87	3	63.5	—0.5	56	29,30	0.00	—1.10	0.00		0	—1.4	(x)		0	0	1	0	0
Khulna Division																					
Jessore P/T "R"																					
Rajshahi Division																					
Pabna	85.0	—0.5	89	3,4	62.7	—0.4	55	26,30	0.00	—0.70	0.00		0	—1.0	(x)		0	0	0	0	0

(x) — Data not rvrilble.

(a) Observations for 30 days.

(R) Registers not received.