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PAKISTAN WEATHER REVIEW 1958

Monthly Weather Report

February

PUBLISHED BY THE AUTHORITY OF THE GOVERNMENT OF PAKISTAN

Chief Features.—1. Wet weather practically over the whole of West Pakistan between the 24th and the 28th with pronounced rainfall activity in Quetta and Kalat divisions.

2. Pronounced wet spell over East Pakistan between the 20th and the 22nd.

West Pakistan.—Four western disturbances moved in close succession during the first week, the first and the third across the north of the region and the other two across. D.I. Khan division. They caused fairly widespread light rain in north Kalat, Quetta, Peshawar and D.I. Khan divisions and scattered elsewhere over the northern half of West Pakistan between the 1st and the 7th. A few snowfalls were also reported from Rawalpindi division on the 5th and the 6th.

Thereafter, except for scattered light rain in Quetta division on the 17th and the 18th under the influence of two western disturbances one of which moved across Quetta and Multan divisions and the other across the north of West Pakistan, the weather was dry over the region upto the 23rd.

Two western disturbances moved in close succession between the 24th and 28th, the first from Quetta division to Kashmir, the second from East Persian Gulf to Kumaon hills across Quetta division which induced a secondary over the North Arabian Sea which moved away to Rajashtan. They caused wet weather practically over the whole of West Pakistan during the above period with fairly widespread rain in Quetta and north Kalat divisions on the 26th.

Chief amounts of rainfall recorded during the month were Jiwani 2" ; Kalat 1½" on the 26th.

The total rainfall during the month was in large defect throughout the region outside D.I. Khan, Quetta Divisions and Federal Capital Area, where it was in moderate defect. Averaged over the region it was in large defect.

The mean maximum temperature was above normal over the entire region, while the mean minimum temperature was normal except in Federal Capital Area, where it was above normal.

The mean relative humidity was in defect in Lahore, Peshawar, D. I. Khan and Quetta Divisions and normal elsewhere.

Cloudiness was in defect over the entire region outside Khairpur Division where it was normal.

East Pakistan.—Except for scattered thunderstorms or showers in Chittagong division on the 6th under the influence of a westerly low pressure wave which moved across the sub-Himalyan West Bengal, the weather was dry over the region during the first fortnight.

Six westerly low pressure waves affected the weather over the region during the second fortnight. The first two moved in close succession towards the beginning of the fortnight, the next two between the 19th and the 23rd and the last two towards the end of the fortnight.

They caused local rain in Dacca division and scattered elsewhere over the region between the 14th and the 15th, fairly widespread rain with locally moderate to heavy falls in Dacca division and local in Rajshahi and Chittagong divisions between the 20th and the 22nd, local rain in Chittagong division alone on the 23rd and rain or thundershowers locally over East Pakistan on the 25th and at a few places in Chittagong division on the 26th.

Chief amounts of rainfall recorded during the month were :—Mymensingh 3", Sylhet 2", Narayanganj and Dacca 1½" each on the 20th, Sylhet 1½" on the 21st, Srimangal 1¼" ; and Comilla 2½" on 22nd.

The total rainfall during the month was normal in Rajshahi Division and in large excess elsewhere and over the region as a whole.

The mean maximum and mean minimum temperatures, mean relative humidity and cloudiness were all normal over the entire region except in Chittagong and Dacca Divisions where cloudiness was in excess.

Table I contains the divisional means of rainfall temperatures, humidity and cloud for the 15 divisions of Pakistan. These means are based on the observations at the stations whose monthly means are given in the subsequent tables.

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TABLE I—DIVISIONAL MEANS FOR FEBRUARY, 1958.

Division.	PRECIPITATION.				DEPARTURE FROM NORMAL OF				
							0300 hrs. G.M.T.		
	Actual	Normal.	Departure from normal.	Percentage departure from normal.	Maximum temperature.	Minimum temperature.	Vapour pressure.	Relative humidity.	Cloud.
1	2	3	4	5	6	7	8	9	10
	Inches	Inches	Inches		Degree	Degree	Mb.	%	
EAST PAKISTAN									
Chittagong	2·21	1·05	+1·16	+110	—0·3	+1·1	+1·7	+2	+0·6
Dacca	2·13	1·06	+1·17	+110	+0·8	+1·7	+1·6	+1	+0·7
Rajshahi	0·93	0·86	+0·07	+8	+1·4	+1·7	+1·3	0	+0·2
MEAN	1·68	0·98	+0·70	+71	+0·7	+1·5	+1·5	+1	+0·5
WEST PAKISTAN									
Kashmir (x)									
Lahore	0·03	1·32	—1·29	—98	+3·1	+1·1	—1·2	—13	—1·3
Rawalpindi	0·45	2·57	—2·12	—82	+3·6	—0·3	—0·7	—5	—0·8
Multan	0·05	0·48	—0·43	—90	+3·1	+0·5	—0·8	+1	—1·1
Bahawalpur	0·00	0·27	—0·27	—100	+2·9	+1·4	+0·9	+1	—1·3
Peshawar	0·69	2·19	—1·41	—67	+4·3	—0·6	—0·7	—11	—2·1
D. I. Khan	0·89	1·50	—0·71	—47	+3·6	—0·5	—0·4	—6	—1·5
Quetta	0·56	1·21	—0·52	—43	+2·7	—0·3	—1·2	—18	—1·2
Kalat	0·33	1·17	—0·83	—71	+2·6	—0·7	—1·1	—5	—1·3
Federal Capital Area	0·31	0·44	—0·13	—30	+3·6	+2·0	+1·0	+1	—1·0
Hyderabad	0·00	0·31	—0·31	—100	+5·8	—1·2	+0·2	+3	—1·5
Khairpur	0·02	0·30	—0·28	—93	+3·1	+0·3	—0·9	—4	+0·3
MEAN	0·31	1·04	—0·73	—70	+3·4	—0·3	—0·6	—5	—1·2
Junagadh (x)									

(x) Data not available.

TABLE II—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF FEBRUARY, 1958.

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 950 / 900 Mb. 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	oktas									
EAST PAKISTAN																							
CHITTAGONG																							
Cox's Bazar (PT)	0300	38	1013·6	0·0	1015·0	73·9	67·7	63·1	20·7	+2·3	72	+3	2·1	+0·6	4	6	11	5	0	0	0	1	1
	1200		1011·1		1012·5	77·1	69·8	66·0	21·2		67		3·3		1	1	0	0	3	4	9	9	1
Chittagong (Patenga)	0000	20	1012·6		1013·3	61·8	61·3	59·4	18·4		97		1·6		0	6	1	4	0	0	1	0	16
	0300		1014·5		1015·2	71·6	65·5	61·4	19.1		71		2·1		1	17	1	6	1	0	0	0	2
	1200		1011·4		1012·1	75·6	69·2	65·0	21·7		71		2·2		0	1	0	0	7	8	11	1	0
Chittagong	0300	46	1014·0	0·0	1015·6	72·3	66·4	62·7	19·1	+1·8	71	0	2·1	+0·3	3	7	9	6	1	0	0	0	2
	1200		1010·3		1011·9	74·8	68·2	64·5	20·9		70		2·1		1	1	0	0	3	10	11	1	1
Maijdi Court	0000	25	1012·3		1013·2	62·3	61·7	60.1	18·4		97		1·0		0	0	0	0	0	0	0	0	28
	0300		1013·9	—0·6	1014·8	71·7	67·4	63·9	21·0	+2·3	78	+5	2·6	+0·4	1	1	1	0	2	0	0	0	23
	1200		1010·5		1011·4	74·5	68·7	64·6	21·5		72		1·1		0	0	0	2	4	0	0	0	22
Comilla	0000	29	1012·2		1013·2	61·7	60·4	59·4	17·3		91		3·3		0	0	0	0	0	0	0	0	28
	0300		1013·9	—0·6	1014·9	70·7	65·4	61·9	19·0	+1·3	73	+2	2·8	+0·6	0	0	0	0	0	0	0	0	28
	1200		1010·3		1011·3	79·0	66·3	55·4	17·2		49		2·9		0	0	0	1	3	0	0	0	24
Brahmanbaria	0000	32	1011·9		1013·1	61·0	59·5	57·9	16·7		91		3·0		0	0	0	1	4	1	1	0	21
	0300		1014·1		1015·2	70·1	63·6	59·0	17·1	+1·2	68	+1	2·9		0	2	2	2	4	6	2	0	10
	1200		1010·2		1011·3	73·9	65·0	58·2	17·0		59		1·9		0	1	0	2	0	3	2	0	20
Srimangal	0000	69	1011·5		1014·0	54·3	53·8	53·1	13·7		97		3·0		0	1	0	0	0	0	0	0	27
	0300		1012·9	—0·1	1015·4	65·6	61·6	58·1	17·2	+1·6	79	+2	3·2	+1·1	0	1	0	1	3	0	1	0	22
	1200		1009·3		1011·7	68·3	63·9	58·5	18·0		61		2·8		0	0	0	0	1	0	0	0	27
Sylhet	0000	115	1008·7		1012·8	58·8	56·8	54·9	15·0		88		3·1		0	0	23	0	0	0	0	0	5
	0300		1011·0		1015·1	66·2	60·8	57·3	15·5		71		3·2		0	0	25	1	0	0	0	0	2
	1200		1007·3		1011·3	70·4	62·9	56·4	15·4		63		2·9		1	0	3	0	0	0	5	0	19
DACCA.																							
Mymensingh	0000	62	1011·1		1013·3	58·3	56·6	55·0	14·9		91		1·9		0	0	0	4	0	0	0	0	24
	0300		1013·1	—0·3	1015·3	64·3	60·1	56·7	15·9	+0·4	78	+4	2·4	+0·1	0	2	0	16	0	4	0	0	6
	1200		1009·5		1011·6	75·0	65·0	58·8	16·6		56		1·8		0	0	0	7	0	0	0	0	21
Narayanganj	0000	26	1012·1		1013·0	62·7	61·1	60·1	18·0		91		3·7		0	0	0	1	2	0	0	0	25
	0300		1014·3	—0·1	1015·2	70·9	64·8	59·6	18·4	+1·7	71	0	3·4	+0·9	2	0	2	1	2	4	3	1	13
	1200		1010·4		1011·4	75·2	65·8	59·0	17·2		58		2·1		0	0	2	0	3	0	0	1	22
Dacca (Tejgaon)	0000	27	1011·1		1012·1	59·7	58·6	57·6	16·6		94		2·7		2	0	2	4	2	6	0	2	10
	0300		1013·3		1014·3	68·9	63·9	59·9	18·1		70		3·2		1	1	5	1	0	7	3	2	8
	1200		1009·5		1010·5	74·2	64·1	55·6	15·9		57		2·3		1	0	3	3	2	1	6	5	7

GOVERNMENT OF PAKISTAN
PAKISTAN METEOROLOGICAL DEPARTMENT

ERRATA TO MONTHLY WEATHER REPORT FOR FEBRUARY 1958.

S.No.	Page.	Station	Col. No.	Hour.	Remarks. For	Read.
1.	1.	Text(line29)	-	-	Comila $2\frac{1}{2}$" on 22nd.	Comila $3\frac{1}{2}$" on 22nd
2.	2	Dacca.	4	-	+1.17	+107
3.	2	-do-	5	-	+110	+100
4.	2	Peshawar	3	-	2.19	2.10
5.	2	D.I.Khan.	4	-	-0.71	-0.81
6.	2	-do-	5	-	-47	-54
7.	2	Quetta	4	-	-0.52	-0.65
8.	2	-do-	5	-	-43	-54
9.	8	Karachi City.	4	-	1013.0	1013.9
10.	6	Bhawalpur	5	0300	-	+1.2
11.	6	-do-	5	1200	+1.2	-
12.	2	Kalat	4	-	-0.83	-0.84
13.	2	-do-	5	-	-71	-72
14.	2	Quetta.	1	-	Quetta	Quetta

TABLE II—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF FEBRUARY, 1958.

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 Direction Number of Observations From :—								
			Station level reduced to standard temperature and gravity.	Departure from normal.	Reduced to standard temperature and M.S.L. of Geopotential of 850 /700 Mbs. pressure level in C.P.M.	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
DACCA—Contd.	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas	oktas									
Faridpur	0000	46	1011·6		1013·3	59·3	58·3	57·1	16·0		91		3·1		2	2	0	2	1	1	0	0	20
	0300		1013·0	—0·5	1014·6	69·9	64·4	60·0	18·7	+2·4	73	—1	3·5	+1·5	1	0	0	1	3	4	2	2	15
	1200		1009·4		1011·0	76·2	66·5	56·0	17·9		59		2·2		1	1	0	2	4	1	0	1	18
Barisal	0000	11	1012·4		1012·8	63·5	61·8	60·4	18·0		91		1·6		0	0	0	0	2	0	0	0	26
	0300		1014·2	—0·5	1014·6	72·8	67·5	63·8	20·5	+2·0	74	+1	2·6	+0·5	4	2	0	1	7	0	0	0	14
	1200		1010·8		1011·2	79·3	69·5	63·3	19·7		58		2·6		2	0	2	3	2	0	0	0	19
RAJSHAHI																							
Khulna	0000	16	1012·0		1012·6	63·1	61·9	60·6	18·5		94		1·9		0	0	0	0	1	1	0	0	26
	0300		1014·5	—0·3	1015·1	70·3	65·9	63·5	19·4	+2·9	80	+14	2·9	+0·4	0	0	0	0	1	0	0	0	27
	1200		1010·9		1011·4	78·3	67·3	59·5	17·6		54		1·0		0	0	1	0	0	0	0	0	27
Satkhira	0000	16	1012·0		1012·5	60·1	59·7	57·9	17·1		97		0·4		0	0	0	2	0	0	0	0	26
	0300		1014·3	—0·3	1014·8	71·4	65·6	61·9	18·4	+1·3	71	—3	2·4	0·0	1	0	0	3	0	5	0	0	19
	1200		1011·2		1011·7	76·6	67·6	61·7	19·3		61		1·7		0	0	0	1	0	1	0	0	26
Jessore	0000	26	1010·9		1011·8	59·8	58·5	57·1	16·1		91		2·5		3	1	0	1	7	0	0	0	16
	0300		1013·5	—1·1	1014·4	68·6	64·1	60·9	18·7	+2·3	77	+6	3·0	+0·8	4	2	1	0	11	6	2	2	0
	1200		1010·2		1011·1	79·9	67·7	57·6	18·0		51		2·0		3	0	1	0	8	2	10	2	2
Pabna	0000	48	1010·7		1012·4	58·4	57·1	56·0	14·9		91		0·8		0	0	6	1	0	0	0	1	20
	0300		1012·4	—	1014·1	68·6	62·3	57·7	16·4	+0·5	67	—3	1·9	—	0	1	4	4	1	3	5	7	3
	1200		1009·3		1010·9	74·6	65·7	59·4	17·8		60		1·9		0	3	2	0	0	1	2	3	17
Sirajganj	0000	49	1009·5		1011·2	58·0	57·6	53·7	15·9		97		3·1		0	0	1	0	0	2	1	0	24
	0300		1011·4	—	1013·1	68·7	62·5	57·1	17·0	—	70	—	2·7	—	0	0	2	2	0	2	1	1	20
	1200		1008·6		1010·3	73·3	63·9	57·1	15·7		57		1·3		0	0	3	0	0	0	0	0	25
Rajshahi	0300												2·8										
Bogra (P.B.O.)...	0000	65	1010·0		1012·3	58·3	55·3	53·0	13·4		81		1·9		0	1	0	0	0	0	1	0	26
	0300		1012·1	—0·8	1014·4	66·9	61·1	55·9	15·6	+0·9	69	—3	2·0	+0·1	0	2	6	6	2	1	6	0	5 (d)
	1200		1008·7		1010·9	75·1	63·6	54·2	14·8		50		1·7		0	0	7	1	0	2	4	0	13
Dinajpur	0000	123	1007·9		1012·4	55·2	52·8	50·2	12·4		84		1·1		0	0	1	0	0	0	0	0	27
	0300		1010·0	—0·8	1014.4	66·0	59·0	52·5	13·9	—0·1	64	—9	1·7	—0·2	0	3	2	0	0	0	4	0	19
	1200		1005·9		1010·2	75·6	62·1	50·7	13·2		43		0·6		0	1	1	0	0	0	2	0	24
Rangpur	0000					56·0	54·2	52·4	13·3		87		1·8		2	2	2	1	0	1	10	4	6
	0300					64·3	59·4	56·0	14·8		73		2·2	—	3	12	6	2	1	3	1	0	0
	1200					73·2	62·5	54·0	14·6		53		1·6		0	1	2	0	4	4	4	2	11

(d) Data for 27 days.

TABLE II—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF FEBRUARY, 1958.

Division and Station.	Hours of observation.	Height of bar cistern above mean sea level.	Mean Pressure.			Mean Temperature of the Air and Humidity.							Total Cloud Amount.		Wind Direction Number of Observations From :—								
			Station level reduced to standard temperature and gravity.	Departure from normal.	Reduced to standard temperature and M.S.L. of Geopotential of 850 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	oktas									
KASHMIR																							
Jammu (x)	0300	1200																					
	1200																						
LAHORE																							
Lahore (P.B.O.)	0000	702	988·9		1014·6	47·9	45·3	42·3	9·2		84		1·1		0	2	0	0	0	0	0	0	26
	0300		990·2	—0·5	1015·8	51·0	46·8	41·9	9·0	—0·7	70	—5	1·5	—1·6	0	2	0	1	0	0	2	0	23
	1200		988·7		1013·4	70·6	56·2	41·4	8·9		35		2·1		3	1	1	0	0	0	7	10	6
Lahore (Cantt.)...	0000	703	988·3		1014·0	48·6	45·0	40·6	8·6		74		1·5		5	1	0	0	1	1	0	10	10
	0300		989·6	—	1015·1	51·8	46·7	39·6	8·6	—	66	—	1·7	—	2	2	2	1	2	1	1	9	8
	1200		988·1		1012·6	70·4	54·9	35·9	7·8		30		2·0		2	1	2	0	2	0	5	15	1
Lahore (Walter) (x)	0000	699	—		—	—	—	—	—		—		—										
	0300		989·6	—	1015·2	49·9	46·0	41·4	8·8	—	71	—	1·6	—	1	3	0	3	1	1	0	11	8
	1200		988·1		1012·7	70·7	55·9	40·5	8·6		33		2·1		0	2	1	0	0	1	1	23	0
Sialkot	0000	830	983·6		1014·0	48·7	45·9	42·1	9·3		79		0·7		0	1	0	0	0	0	0	0	27
	0300		985·4	—0·8	1015·5	53·5	47·9	41·3	8·9	—1·7	63	—20	1·7	—0·9	0	6	0	1	0	0	0	0	21
	1200		983·6		1012·6	71·0	57·0	42·1	9·6		37		1·7		0	3	0	3	0	4	1	10	7
RAWALPINDI																							
Jhelum	0000	765	986·5		(c) 1014·8	(c) 44·9	(c) 42·1	(c) 38·4	8·1		77		1·5		1	0	0	0	0	0	0	1	26
	0300		988·0	—	1016·0	47·8	44·0	39·3	8·1	—	72	—	2·5	—	3	1	0	1	0	0	0	5	18
	1200		985·9		1012·6	71·1	55·4	37·8	8·0		30		3·0		1	3	1	1	1	1	3	6	11
Chaklala	0000	1667	956·2		(d) 1016·7	(d) 42·5	(d) 39·9	(d) 36·8	7·2		79		2·3		9	0	0	2	0	0	2	4	11
	0300		957·0	—	1017·6	43·2	40·4	36·7	7·3	—	78	—	2·7	—	4	2	2	0	0	0	4	6	10
	1200		955·3		1013·1	66·1	51·7	35·5	6·7		33		2·7		0	1	1	0	0	3	21	0	2
Rawalpindi	0000	1675	955·5		1016·1	45·1	42·0	37·4	7·9		77		0·4		0	0	1	0	0	0	0	0	27
	0300		956·7	—0·5	1017·0	47·4	43·1	37·3	7·8	—0·7	69	—9	2·5	—0·8	3	1	0	0	0	1	1	0	22
	1200		954·8		1013·0	64·3	50·9	35·9	7·4		35		2·6		2	0	0	0	1	5	7	4	9
Khushab	0000	616	992·4		1014·6	45·5	42·0	37·2	7·9		72		1·0		5	5	2	1	2	1	3	0	9
	0300		993·7	—0·8	1016·2	48·9	43·8	36·1	7·5	—0·8	64	—1	2·0	—1·0	1	3	2	0	1	1	1	1	18
	1200		991·5		1013·0	73·0	58·3	38·3	7·6		25		2·0		3	2	2	1	2	4	8	1	5
Sargodha (R)	0000	614																					
	0300																						
	1200																						

(R) Readings not received. (c) Data not available. (a) Mean for 26 days. (d) Mean for 27 days.

TABLE II—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF FEBRUARY, 1958.

Division and Stations	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	oktas									
MULTAN																							
Lyallpur	0000	605	992·9		1014·8	47·0	44·7	41·4	9·1		83		0·7		2	1	1	0	0	0	0	9	15
	0300		993·8	—0·1	1016·2	46·9	44·1	41·8	8·6	—0·7	79	+4	2·2	—1·6	2	4	1	1	1	1	4	3	11
	1200		992·2		1013·4	71·1	56·5	40·5	9·1		35		2·5		2	3	1	0	1	3	3	3	12
Montgomery	0000	558	993·8		1014·2	48·9	46·3	43·1	9·4		81		1·3		0	2	0	0	0	0	0	1	25
	0300		995·3	—0·7	1015·7	49·1	46·0	42·4	9·1	—0·9	78	0	1·0	—1·4	0	1	0	0	0	0	0	0	27
	1200		993·7		1013·1	72·9	58·0	43·0	10·3		35		1·8		1	4	0	1	0	3	3	4	12
Multan (P.B.O.)	0000	404	999·8		1014·8	49·4	45·8	41·4	8·9		73		0·9		5	0	0	2	0	0	0	1	20
	0300		1001·4	—	1016·4	50·6	46·5	41·5	9·0	—	71	—	1·9	—	5	0	0	0	1	1	0	1	20
	1200		998·9		1013·3	73·7	57·1	39·4	8·5		30		2·3		2	7	1	3	8	1	0	1	5
Multan (S)	0300	413	1001·2	—0·1	1016·1	54·9	49·9	44·3	10·0	—0·7	68	—2	2·1	—0·4	10	3	0	3	3	1	0	1	7
	1200		999·1		1013·6	73·4	59·8	47·3	11·7		41		2·2		4	4	5	4	2	2	0	0	7
BAHAWALPUR																							
Leiah (R)	0000	487																					
	0300																						
	1200																						
Khanpur (Surf)	0300	297	1005·5	+0·7	1016·4	51·6	47·0	40·5	8·9	0·0	69	+3	0	—2·5	7	6	2	1	0	2	0	1	9
	1200		1002·8		1013·0	78·3	61·6	46·7	11·2		35		0		6	4	1	0	0	1	3	4	9
Khanpur (P.B.O.)	0000	290	1003·3		1014·1	48·2	44·7	40·6	8·5		74		1·2		0	6	1	1	1	0	0	0	19
	0300		1004·5	—	1015·2	52·5	47·0	40·3	8·5	—	64	—	1·8	—	4	4	1	0	1	1	0	1	16
	1200		1001·9		1012·1	76·3	57·9	38·6	8·2		26		1·9		3	5	1	0	1	2	2	1	13
Bahawalpur	0300	384	1002·9		1016·8	59·5	53·5	46·7	11·3	+1·8	65	—2	2·6		2	2	0	1	0	0	0	0	23
	1200		999·5	+1·2	1012·9	74·5	62·5	53·6	13·9		48		2·7	0·0	3	5	0	0	0	2	0	0	18
Fort Abbas	0000	475	996·1		1013·5	45·7	44·4	42·1	9·3		90		1·5		4	11	1	3	2	0	0	3	4
	0300		(x)	—	(x)	(x)	(x)	(x)	(x)	—	(x)		(x)	—	x	x	x	x	x	x	x	x	x
	1200		(x		(x)	(x)	(x)	(x)	(x)		(x)		(x)		x	x	x	x	x	x	x	x	x

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

TABLE II—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF FEBRUARY, 1958.

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 G.P.M.	Dry bulb.	Wet bulb.	Dew point.	Vapour pressure.	Departure from normal.	Relative humidity.	Departure from normal.	Mean amount.	Departure from normal.	N	NE	E	SE	S	SW	W	NW	Calm.
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas	oktas									
PESHAWAR																							
Chakdara	0000	2197	937·0		*	*	*	*	*		*		1·7		3	0	4	1	0	0	1	0	19
	0300		938·1	—	1017·5	41·3	38·9	35·3	6·9	—	63	—	2·3	—	7	2	1	4	0	0	0	0	14
	1200		935·0		1010·6	64·9	51·6	37·3	8·2		37		1·9		2	4	0	4	6	1	0	0	11
Peshawar	0000	1177	973·7		1016·5	46·0	43·4	39·6	8·4		79		1·9		0	1	0	3	9	9	0	0	6
	0300		974·8	—0·9	1017·7	46·4	43·6	39·7	8·4	+0·2	78	+2	2·0	—3·1	0	0	0	4	18	2	0	1	3
	1200		972·8		1013·9	67·7	56·3	44·8	10·3		44		2·2		3	1	0	9	5	2	0	6	2
Risalpur	0000	1009	979·7		1017·0	41·0	39·1	36·2	7·3		83		2·3		0	1	0	0	0	0	11	0	16
	0300		980·7	—	1017·9	42·7	40·7	37·8	7·7	—	83	—	2·1	—	1	4	1	0	0	2	5	0	15
	1200		978·2		1013·4	67·9	53·6	38·0	7·7		32		2·0		1	2	0	0	0	0	16	2	7
Haripur	0300	1757	953·9	—	1017·1	47·8	44·3	40·6	8·5	—	75	—	2·9	—	0	0	0	2	3	11	10	2	0
	1200		951·7		1012·3	67·0	55·6	45·8	10·5		46		2·4		0	7	0	5	0	5	0	11	0
Campbellpur	0300	1175	974·4	—	1017·1	47·2	42·9	36·0	7·5	—	68	—	3·0	—	2	11	6	0	0	0	0	1	8
	1200		972·0		1013·2	64·3	53·2	38·3	7·9		43		2·6		11	6	0	0	0	0	1	7	3
D. I. KHAN																							
Kohat	0000	1667	957·7		1017·3	51·5	44·6	35·8	6·5		56		1·7		2	0	0	0	0	0	2	19	5
	0300		958·5	—	1018·1	51·9	44·3	34·3	6·9	—	53	—	2·0	—	0	3	0	0	0	0	0	21	4
	1200		956·7		1014·3	67·6	53·9	40·1	8·7		38		1·9		2	6	1	4	5	2	1	2	5
Bannu	0000	1263	*		*	50·7	45·6	39·7	7·3		65		1·0		1	0	0	0	2	1	9	13	2
	0300		969·6	—	1015·3	50·6	45·6	39·0	8·2	+0·1	65	—1	1·1	—1·4	1	2	0	1	0	0	7	13	4
	1200		967·0		1011·5	68·4	55·7	42·3	9·6		40		1·1		3	0	3	18	3	0	0	0	1
D. I. Khan	0000	570	*		*	(c) 48·4	(c) 44·6	(c) 39·8	8·3		68		0·6		*	*	*	*	*	*	*	*	*
	0300		994·2	—1·9	1015·6	48·8	44·2	37·6	7·8	—0·9	67	—4	1·9	—0·7	*	*	*	*	*	*	*	*	*
	1200		993·9		1013·8	74·1	57·9	40·8	9·2		32		1·6		*	*	*	*	.	*	*	*	*
QUETTA																							
Sibi *	0000	441																					
	0300																						
	1200																						
KALAT (North)																							
Nokkundi	0000	2229	937·7		1016·7	50·4	42·0	29·7	5·7		45		0·0		13	6	2	0	0	1	0	6	0
	0300		939·2	—	1018·4	49·5	41·8	30·8	5·7	—1·7	49	0	0·0	—2·5	10	11	2	1	1	1	0	2	0
	1200		936·5		1011·9	70·9	55·2	30·3	8·5		33		0·0		4	0	5	2	4	5	4	4	0

(*) Data rejected. (c) Mean for 26 days.

TABLE II—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF FEBRUARY, 1958.

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.	oktas.									
KALAT (South)																							
Turbat (*)	0000	510																					
	0300																						
	1200																						
Jiwani	0000	185	1007·6		1014·2	63·3	59·4	56·0	15·6		78		0·9		4	6	1	0	1	1	8	5	2
	0300		1009·1		1015·7	64·8	58·7	52·7	14·2		67	—	1·1	—	9	5	1	1	0	0	7	1	4
	1200		1007·3		1013·7	76·2	63·0	51·1	13·6		44		1·4		0	0	0	4	6	10	8	0	0
Paeni	0000	28	1012·7		1013·7	60·8	56·8	52·8	14·0		77		2·6		0	1	0	0	0	0	0	3	24
	0300		1014·1	—0·8	1015·1	60·7	56·2	51·4	13·4	—1·2	74	—7	2·1	—0·2	1	1	1	0	0	1	1	2	21
	1200		1012·0		1013·0	78·4	66·5	58·0	16·8		50		1·8		2	0	0	1	9	14	1	0	1
Ormara	0000	15	1012·8		1013·3	62·6	60·5	58·7	17·1		88		0·5						x				
	0300		1014·2		1014·7	63·3	60·4	58·1	16·6	+0·4	84	+2	1·4	—1·4					x				
	1200		1011·8		1012·3	78·3	69·3	64·5	20·4		61		0·7						x				
Lasbela *	0000	292																					
	0300																						
	1200																						
FEDERAL CAPITAL AREA																							
Karachi (Manora)	0000	13	1012·9		1013·4	64·3	58·8	54·0	14·3		70		1·0		2	11	0	0	0	0	2	3	10
	0300		1014·3	—0·9	1014·8	66·2	60·6	56·0	15·5	+1·0	71	+1	1·1	—1·0	2	8	1	0	0	0	2	2	13
	1200		1011·7		1012·2	77·7	72·3	69·4	24·7		75		1·7		0	0	0	0	0	11	17	0	0
Karachi (Mauripur)	0000	52	1011·3		(d) 1013·1	(d) 62·0	(d) 58·7	(d) 56·0	15·4		81		0·5		9	4	1	0	0	1	4	0	9
	0300		1012·7		1014·5	61·3	57·3	53·5	14·3		77		1·1		7	9	2	0	0	1	3	3	3
	1200		1010·6		1012·4	78·0	66·3	57·5	16·8		51		2·4		0	0	0	0	2	16	8	2	0
Karachi (City)	0300	20	1013·0		1014·8	64·7	58·8	53·6	14·3		69		1·0	—	3	14	6	0	0	1	2	0	2
	1200		1011·2		1012·1	77·7	65·5	56·7	16·4		50		0·6		0	0	0	0	1	19	8	0	0
Karachi (PAF)	0000	24	1012·3		1013·2	61·5	57·5	53·4	14·4		77		0·5		8	4	0	0	0	2	3	2	9
	0300		1013·7		1014·6	61·7	56·7	51·4	13·4		72		0·7		9	8	0	0	0	3	2	1	5
	1200		1011·4		1012·3	79·1	65·8	55·7	15·7		46		1·0		0	0	0	0	3	21	4	0	0
Karachi (Airport)	0000	73	1010·7		1013·5	59·3	55·1	50·1	12·9		75		0·5		3	1	0	0	0	0	1	2	21
	0300		1012·5		1015·3	59·1	54·2	48·2	12·1		71		1·3		3	1	0	0	0	0	2	0	22
	1200		1009·8		1012·4	79·7	64·4	51·1	13·7		40		1·5		0	0	0	0	3	19	6	0	0
HYDERABAD																							
Badin	0000	31	1011·1		1012·1	57·6	53·2	48·0	11·9		73		0·0		22	0	0	0	1	2	3	0	0
	0300		1011·7	—1·9	1012·8	59·9	55·2	49·9	12·8	+0·4	72	+4	0·2	—1·7	24	0	0	0	1	2	1	0	0
	1200		1009·4		1010·5	85·9	62·5	39·6	8·7		21		0·2		22	0	0	0	0	0	6	0	0
Nagarparkar (x)...	0300	178 Prov.																					
	1200																						

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

TABLE II—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF FEBRUARY, 1958.

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 32°F at M.S.L. Mb. 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	oktas									
HYDERABAD—Contd.																							
Umarkot	0000	55	1010·0		1012·0	55·5	48·7	39·5	8·7		57		0·0		3	7	1	2	7	1	0	2	5
	0300		1012·1	—	1014·1	55·3	48·8	40·0	8·8	—	59	—	0·3		0	7	0	2	7	2	0	1	9
	1200		1008·6		1010·5	84·2	59·3	31·2	6·1		15		0·3		0	1	0	0	1	3	7	14	2
Chhor	0000	19	1011·8		1012·5	49·0	43·7	36·9	7·4		62		0·8		0	2	0	0	0	2	0	0	24
	0300		1013·9	—	1014·6	54·0	46·3	34·7	7·2	—	51		0·8		0	2	0	0	0	3	0	0	23
	1200		1010·9		1011·6	83·9	59·7	31·9	6·7		17		2·2		4	6	0	0	1	3	6	5	3
Hyderabad	0000	98	1009·6		1013·1	58·0	51·4	44·1	10·0		60		0·2		10	2	0	0	4	6	0	0	6
	0300		1011·4	—0·7	1015·0	58·3	51·7	44·1	10·1	0·0	60	+1	0·9	—0·8	12	0	0	0	1	5	0	3	7
	1200		1008·6		1012·0	82·8	61·2	39·8	8·8		23		0·9		13	7	0	1	0	6	0	1	0
KHAIRPUR																							
Pad Idan	0000	153	1007·9		1013·5	50·6	46·5	41·4	8·9		71		1·1		7	2	2	2	5	0	1	4	5
	0300		1009·7	—	1015·4	49·8	46·1	41·4	8·9	—	73	—	1·8	—	6	5	0	1	1	1	3	1	10
	1200		1007·1		1012·4	79·3	61·1	44·5	10·2		29		2·0		10	5	1	2	4	1	3	1	1
Nawabshah	0000	124	1009·5		1014·2	50·8	46·0	39·8	8·4		66		0·0		3	1	0	0	0	0	0	6	18
	0300		1011·4	—	1016·0	53·5	47·7	40·7	8·7	—	62	—	0·8	—	2	0	1	0	0	0	1	7	17
	1200		1008·7		1013·0	81·7	59·9	36·9	7·8		22		1·4		2	1	0	0	4	2	1	10	8
Sukkur	0300	221	1006·8	—0·2	1014·9	55·9	50·5	44·4	10·3	+0·6	65	+7	2·1	+0·5	2	5	8	5	2	0	0	1	5
	1200		1004·3		1011·9	78·2	60·2	42·8	9·6		29		1·9		2	3	1	2	0	1	5	2	12
Kashmore*	0000	255																					
	0300																						
Jacobabad	0000	183	(d) 1007·0		(d) 1013·7	(d) 55·7	(d) 46·5	33·5	6·7		44		1·1		6	1	8	2	0	0	2	4	5
	0300		1008·5	—0·7	1015·3	55·3	46·3	33·5	6·7	—2·4	44	—15	2·2	+0·2	0	2	6	3	0	2	2	6	7
	1200		1006·0		1012·5	79·4	57·5	31·0	6·3		18		2·1		4	4	2	3	3	2	2	5	3
JUNAGADH																							
Veraval (R)	0000	26																					
	0300																						
	1200																						
Jalalabad (R)	0000	1950																					
	0300																						
	1200																						
ARABIA.																							
Muscat	0300	20	1015·7		1016·4	69·0	63·5	59·4	17·5		73		0·9	—1·2	0	0	0	0	0	0	3	13	12
	1200		1013·2		1013·9	72·8	66·2	61·7	19·0		69		1·0		3	5	2	0	0	0	2	15	1

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

TABLE II—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF FEBRUARY, 1958.

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	oktas									
HILL STATIONS																							
KASHMIR																							
Srinagar (x)	0000	—																					
	0300																						
	1200																						
Gulmarg (x)	0300	8709																					
	1200																						
Gurez (x)	0300	—																					
	1200																						
Sonemarg (x)	0300	—																					
	1200																						
Dras (x)	0300	—																					
	1200																						
Kargil (x)	0300	—																					
	1200																						
Leh (x)	0000	—																					
	0300																						
	1200																						
Skardu (x)	0000	7250																					
	0300																						
	1200																						
Minimarg	0000	10190	*		*	10·7	*	*	*		*		1·5		0	0	0	0	0	0	0	0	28
	0300		699·4	—	3097·3	12·3	*	*	*	—	*	—	1·8	—	3	0	0	0	0	0	0	0	28
	1200		695·7		3054·5	28·5	*	*	*		*		1·7		0	0	1	1	0	0	0	0	26
Aliabad (x)	0300	—																					
	1200																						
Gilgit (x)	0000	4950																					
	0300																						
	1200																						

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

TABLE II—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF FEBRUARY, 1958.

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	oktas									
RAWALPINDI.																							
Murree	(×) 0000	7113	—		—	—	—	—	—		—		—										
	0300		782·7	—0·7	1494·8	36·4	31·3	22·2	4·2	—0·7	57	—4	3·3	—0·5	0	10	3	5	0	0	0	8	2
	1200		782·7		1486·9	43·5	37·0	27·7	5·5		53		4·0		0	0	1	12	0	0	1	7	7
PESHAWAR.																							
Drosh	0000	4806	855·9		1520·6	39·0	32·3	17·4	3·5		43		2·7		0	11	1	0	0	0	0	0	16
	0300		857·1	—0·7	1531·6	38·4	32·7	20·4	4·0	—1·3	50	—21	2·7	—1·2	0	4	5	3	0	0	0	0	16
	1200		853·9		1502·8	50·4	39·0	15·3	3·6		28		3·3		0	7	5	5	0	2	0	1	8
Chenar	(x) 0000	4272	—		—	—	—	—	—		—		—										
	0300		871·8	+0·9	1508·6	45·9	37·5	22·4	4·3	—1·1	41	—15	*	—	25	0	0	1	0	0	0	1	1
	1200		871·3		1506·7	53·8	43·4	28·3	5·4		38		*		13	1	0	1	0	0	0	11	2
Kakul	0000	4214	872·0		1491·5	42·8	37·7	29·4	5·7		61		2·1		4	8	1	1	0	0	0	14	0
	0300		872·9	—	1500·8	44·2	38·7	29·5	5·8	—	58	—	2·4	—	6	6	1	2	0	0	2	10	1
	1200		871·8		1494·2	55·0	45·5	33·1	6·5		43		3·1		0	2	0	6	9	3	3	5	0
Balakot (R)	0000	3226																					
	0300																						
	1200																						
Landikotal	0000	3503	895·7		1492·8	42·0	36·0	23·8	4·8		53		1·4		3	0	0	0	0	0	0	5	20
	0300		895·8	—	1495·1	44·0	36·9	22·5	4·6	—	48	—	1·4	—	4	0	0	0	0	1	0	6	17
	1200		894·3		1493·4	57·9	44·0	19·1	4·3		25		1·6		9	0	1	0	1	0	2	11	4
D. I. KHAN.																							
Parachinar	0000	5673	*		*	34·7	30·6	22·9	4·3		65		0·8		28	0	0	0	0	0	0	0	0
	0300		*		*	34·4	23·0	23·0	4·4	—0·6	64	—4	1·0	—2·4	0	0	0	0	0	0	0	0	28
	1200		*		*	53·5	25·2	25·2	4·9		35		1·3		0	0	0	28	0	0	0	0	0
Miranshah	0000	3026	909·6		1465·9	40·2	35·7	28·2	5·6		62		1·1		0	0	1	0	0	0	1	0	26
	0300		911·8	—	1497·6	45·3	39·7	31·1	6·3	+0·2	59	—11	1·3	—1·5	0	2	0	0	0	0	0	1	25
	1200		909·9		1501·6	62·4	50·9	38·9	8·4		41		1·7		0	7	3	0	0	0	0	2	16
Wana	0300	4503	863·8	—	1518·6	35·7	32·4	25·7	4·9	—0·7	68	—8	1·3	—1·5	0	0	0	0	0	1	1	0	26
	1200		861·8		1488·2	56·3	42·2	15·8	3·5		23		1·8		1	1	7	3	1	2	2	2	9
QUETTA.																							
Fortsandeman	0300	4614	861·4	+1·3	1513·4	43·2	35·5	18·5	4·0	—1·8	41	—33	2·1	—0·6	1	0	0	0	6	0	0	0	21
	1200		859·6		1499·9	59·5	43·7	14·9	3·4		19		3·3		4	0	4	0	2	4	2	0	12
Hindubagh	0000	5909	820·3		1512·6	33·3	30·9	27·2	5·2		77		1·9		0	0	0	0	0	0	15	0	13
	0300		821·3		1522·0	34·6	31·6	27·0	5·0		74		2·1		2	0	0	0	1	0	11	0	14
	1200		819·6		1494·4	53·2	44·8	35·9	7·2		52		2·3		1	0	0	0	0	1	25	0	1

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

TABLE II—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF FEBRUARY, 1958.

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 G.P.M.	Dry bulb.	Wet bulb.	Dew point.	Vapour pressure.	Departure from normal.	Relative humidity.	Departure from normal.	Mean amount.	Departure from normal.	N	NE	E	SE	S	SW	W	NW	Calm
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas	oktas									
QUETTA—Contd.																							
Loralai	0000	4699	856·3		1491·5	39·1	34·2	24·6	4·8		58		1·4		0	0	0	0	0	2	10	9	7
	0300		857·3		1501·3	38·4	33·7	24·3	4·7		58		2·2		1	0	0	0	0	2	8	14	3
	1200		855·3		1484·5	59·1	45·8	26·7	5·2		30		3·3		0	0	0	12	1	6	0	7	2
Harnai	0300	2861											1·3		0	0	0	0	0	0	28	0	0
	1200												1·5		0	0	27	0	0	0	1	0	0
Quetta (Samungli)	0000	5213	841·6		1506·2	31·1	30·1	28·4	5·3		90		1·9		0	0	10	5	1	0	1	1	10
	0300		842·2	—	1512·6	32·1	30·8	28·7	5·3		88		2·5	—	0	1	3	9	1	1	1	2	10
	200		840·5		1492·7	54·4	45·4	35·1	7·2		49		3·3		2	0	0	2	1	4	8	10	1
Quetta (g)	0300	5490	833·1	—0·5	1506·0	37·5	33·0	28·1	4·7	—0·8	63	—12	2·1	—1·1	2	1	0	2	4	2	0	0	13
	1200		830·4		1475·3	53·8	41·3	25·9	4·5		32		3·1		6	2	0	1	4	4	4	5	2
Chaman	0000	4311	869·4		1497·5	43·4	37·9	28·8	5·5		57		1·0		0	27	1	0	0	0	0	0	0
	0300		870·6	+0·5	1507·8	43·8	37·5	26·9	5·1	—1·0	53	—8	1·1	—2·0	0	0	3	20	1	1	0	0	3
	1200		869·5		1503·7	57·9	44·9	25·3	5·0		30		2·0		3	0	0	1	3	8	4	5	4
KALAT (North)																							
Kalat	0000	6616	799·2		1516·2	30·0	28·4	26·1	4·7		89		0·0		1	0	0	1	2	3	0	1	20
	0300		800·3	+1·1	1530·3	32·4	29·9	26·3	4·8	0·0	76	+8	0·7	—2·1	0	0	0	2	12	1	0	0	13
	1200		799·5		1497·3	50·3	39·6	24·1	4·5		36		0·4		7	0	1	0	4	3	1	11	1
Nushki	0000	3416	905·7		1562·9	51·1	41·7	25·7	5·2		41		0·6		2	12	8	0	1	1	2	2	0
	0300		906·1	—	1566·1	50·4	40·8	22·8	4·8	—	38	—	0·4	—	6	15	3	1	0	1	0	2	0
	1200		902·1		1544·9	65·7	47·5	17·9	3·9		22		0·4		11	1	0	0	2	4	2	2	0
Dalbandin	0000	2785	919·1		1486·1	45·7	39·3	29·5	5·7		54		1·6		0	9	4	0	0	1	0	1	13
	0300		920·3	+1·1	1493·9	43·6	38·2	29·9	5·7	—1·6	59	—7	2·2	—0·4	5	6	0	2	0	1	1	0	12
	1200		917·9		1503·1	68·2	52·3	34·6	7·0		29		2·7		1	4	5	3	0	7	0	0	10
KALAT (South)																							
Panjgur	0000	3177	906·5		1492·0	45·1	40·6	34·0	6·8		66		1·7		1	14	0	0	0	3	0	10	0
	0300		907·6	+1·6	1503·3	46·6	39·4	28·0	5·5	—2·3	49	—23	1·0	—1·1	1	15	5	2	1	1	0	1	2
	1200		905·3		1503·8	67·8	51·3	31·2	6·4		27		1·0		5	6	0	0	0	10	1	6	0
AFGHANISTAN																							
Kabul	0300	5955	824·9	—	1574·5	33·5	30·7	25·7	4·8	+1·5	74	+2	2·1	—2·2	3	0	4	1	3	3	7	4	5
	1200		823·3		1548·7	45·5	37·4	27·8	4·8		47		2·2		3	0	0	3	5	2	10	1	4
Kandahar	0300	3462	902·8	—	1538·5	37·7	35·0	31·2	5·6	—	76	—	1·7	—	2	4	1	2	0	1	0	0	18
	1200		900·8		1542·1	60·1	47·1	29·9	5·8		33		2·0		0	1	1	2	3	11	2	2	6

(g) Mean for 24 days.

TABLE III—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF FEBRUARY, 1958.

Division and Station.	Maximum Temperature of the Air °F				Minimum Temperature of the Air °F				PRECIPITATION (Inches).						Wind Velocity (Knots).		Weather Number of Days.				
	Mean.	Departure from normal.	Highest.	Date.	Mean.	Departure from normal.	Lowest.	Date.	Total of the month.	Departure from normal.	Heaviest fall in 24 hours.	Date.	Days with 0·10" or more.	Departure from normal.	Mean.	Departure from normal.	Thunder heard.	Hail.	Visibility Code Figure 93 or Less. Fog.	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
CHITTAGONG.																					
Cox's Bazar (P.T.)	82·9	+0·8	87	5,26	60·6	+1·1	54	1	0·30	—0·17	0·16	23	2	+1·1	1·9	—0·1					
Chittagong (Patenga)	81·7	—	85	5 days	61·0	—	55	12,13	0·18	—	0·15	23	1	—	x	—			2		
Chittagong	82·9	+0·6	88	28	60·5	+1·8	50	13	0·21	—0·89	0·21	23	1	—0·3	3·4	—1·0			2		
Maijdi Court	81·4	+0·3	86	27,28	59·9	—2·0	50	12	0·50	—0·47	0·50	23	1	—0·7		—			11		
Comilla	83·0	+0·8	88	28	58·8	+1·3	50	12	5·56	+4·34	3·50	22	2	+0·1	0·6	—0·9	1		2		
Brahmanbaria	80·9	—1·8	86	8	59·3	+3·8	50	11,12	1·59	+0·56	0·84	20	3	+1·1	2·2	—	2		3		
Srimangal	80·5	—2·2	87	28	52·3	+0·4	40	12	5·12	+3·62	1·51	22	6	+3·3	1·2	—0·8	5		3		
Sylhet	78·6	—	85	27	57·9	—	51	17	4·57	—	1·97	20	6	—	x	—	6		2		
DACCA.																					
Mymensingh	79·9	+0·3	85	28	57·2	+0·5	50	11,12	3·67	+2·81	2·77	20	3	+1·3	1·8	+0·8	2		1		
Narayanganj	82·6	+0·9	88	7,27	61·6	+2·6	52	1,2,11	2·49	+1·25	1·28	20	4	+2·1	1·9	+0·3	0		3		
Dacca (Tejgaon)	82·1	—	87	7,27,28	58·6	—	48	11,12	3·78	—	1·75	20	5	—	3·5	—	4		3		
Faridpur	81·0	+0·9	87	27	57·7	+1·5	47	11	1·90	+0·71	0·68	22	5	+2·9	1·9	0·0	3		4		
Barisal	82·9	+1·0	87	4 days	62·2	+2·1	53	2	0·46	—0·48	0·35	21	1	—0·8	x	—	0		2		
RAJSHAHI.																					
Khulna	85·5	+2·5	91	7,28	62·4	+2·6	53	2	0·00	—0·93	0·00	0	0	—2·2	x	—			5		
Sarkhira	84·4	—0·1	90	28	60·8	+2·5	50	3,11	0·90	—0·13	0·35	22	4	+2·2	x	—					
Jessore	84·4	+2·6	90	7,21,28	57·5	+2·0	46	12	0·90	—0·40	0·80	21	2	0·0	2·0	+0·7			2		
Pabna	81·6	—1·4	x		57·5	+1·7	x		1·03	+0·07	0·60	15	2	+0·1	x	—			1		
Sirajganj	81·3	—	88	28	56·9	—	47	11	2·58	+1·84	1·65	25	3	+1·3	2·1	—	2		7		
Rajshahi	—	—	—	—	—	—	—		0·83	+0·14	0·83	20	1	—0·7	—	—					
Bogra (P.B.O.)	82·5	+2·2	87	6,27	55·3	+0·4	46	11	1·99	+1·20	0·96	20	3	+1·4	2·1	+1·0	2		3		
Dinajpur	82·0	+2·7	89	28	54·4	+1·1	43	11	0·00	—0·61	0·00	0	0	—1·3	1·0	—0·7			2		
Rangpur	79·9	—	86	28	55·2	—	46	11,12	0·15	—0·55	0·15	25	1	—0·3	2·1	—	1		15		

(x) Data rejected.

TABLE III—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF FEBRUARY, 1958.

Division and Station	Maximum Temperature of the Air °F				Minimum Temperature of the Air °F				PRECIPITATION (Inches).						Wind Velocity (Knots).		Weather Number of Days.				
	Mean.	Departure from normal.	Highest.	Date.	Mean.	Departure from normal.	Lowest.	Date.	Total of the month.	Departure from normal	Heaviest fall in 24 hours.	Date.	Days with 0·10" or more.	Departure from normal.	Mean.	Departure from normal	Thunder heard.	Hail.	Visibility Code Figure 93 or Less. Fog.	Haze (dust)	Dust Storm
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
KASHMIR																					
Jammu (x)																					
LAHORE																					
Lahore (P.B.O.) ...	73·9	+1·8	80	24,26	45·6	+1·1	39	11,12	0·00	—0·97	0·00	—	0	—2·1	1·7	+0·2	1	0	0	0	0
Lahore (Cantt.)	73·7	—	80	24	45·2	—	38	12	0·00	—	0·00	—	0	—	3·4	—	0	0	0	0	0
Lahore (Walton)	74·5	—	80	4 days	44·4	—	37	10	0·00	—	0·00	—	0	—	4·1	—	0	0	0	0	0
Sialkot	73·9	+4·5	82	24	46·6	+1·1	39	10	0·07	—1·60	0·07	5	0	—3·0	(f) 1·7	+0·5	0	0	1	0	0
RAWALPINDI																					
Jhelum	74·5	—	82	24	(e) 42·3	—	35	10,12	0·07	—	0·03	7	0	—	2·2	—	1	0	0	0	0
Chaklala	68·9	—	76	24,25	39·3	—	35	9,12	0·26	—	0·10	2,5	2	—	4·3	—	1	0	0	0	0
Rawalpindi	69·7	+4·5	77	25	41·0	—0·7	36	1,9	0·24	—2·24	0·09	2,6	0	—4·4	2·5	+0·7	1	0	0	0	0
Khushab	76·1	+4·8	81	7 days	42·8	—3·2	36	11	0·08	—0·84	0·08	4	0	—2·1	2·5	—0·2	1	0	0	0	0
Sargodha (R)																					
MULTAN																					
Lyallpur	74·3	+3·0	81	23	44·4	—0·7	40	12,13,14	0·14	—0·43	0·14	5	1	—0·6	2·5	+0·8	1	0	2	0	0
Montgomery	75·2	+2·7	81	23,24,25	45·3	—1·1	40	4 days	0·00	—0·50	0·00	—	0	—1·5	1·1	—1·3	0	0	0	0	0
Multan (P.B.O.)	75·9	—	81	21,24,25	45·7	—	40	10	0·01	—	0·01	8	0	—	1·9	—	1	0	0	0	1
Multan (Surf)	76·3	+3·5	82	4 days	50·2	+3·4	44	13	0·00	—0·38	0·00	—	0	—1·3	2·2	+0·9	1	0	0	0	0
BAHAWALPUR																					
Leiah (R)																					
Khanpur (Surf)	81·0	+3·5	87	4 days	*	—	—	—	0·00	—0·29	0·00	—	0	—0·9	3·1	—0·6	1	0	0	0	1
Khanpur (P. B. O.)	79·1	—	86	25	44·7	—	36	11	0·00	—	0·00	—	0	—	4·7	—	0	0	0	0	0
Bahawalpur	78·0	+2·4	85	24	48·3	+1·4	41	14	0·00	—0·26	0·00	—	0	—0·8	1·6	—0·6	0	0	0	0	1
Fort Abbas	(x)	—	—	—	(x)	—	—	—	0·00	—	0·00	—	0	—	(x)	—	0	0	0	0	0

(R) Register not received. (*) Data rejected. (x) Data not available. (e) Mean for 26 days. (f) Mean for 25 days.

TABLE III—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF FEBRUARY, 1958.

Sub-Division and Station.	Maximum Temperature of the Air °F				Minimum Temperature of the Air °F				PRECIPITATION (Inches).						Wind Velocity (Knots).		Weather Number of Days.				
	Mean.	Departure from normal.	Highest.	Date.	Mean.	Departure from normal.	Lowest.	Date.	Total of the month.	Departure from normal.	Heaviest fall in 24 hours.	Date.	Days with 0·10" or more.	Departure from normal.	Mean.	Departure from normal.	Thunder heard.	Hail.	Visibility Code Figure 93 or Less. Fog.	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
PESHAWAR																					
Chakdara	65·8	—	73	22,24,25	38·5	—	35	5 days	0·55	—	0·30	4	3	—	x	—	0	0	0	0	0
Peshawar	69·9	+3·7	78	20	42·9	—1·1	36	9	0·21	—1·32	0·18	4	1	—2·3	2·6	+1·0	0	0	0	0	1
Risalpur	70·4	—	78	24,25	37·4	—	31	15	0·38	—	0·38	4	1	—	2·5	...	0	0	0	0	0
Haripur	70·2	—	76	5 days	42·8	—	39	12,16	1·77	—	0·97	6	4	—	(e) 5·7	—	0	0	0	0	0
Campbellpur	67·6	—	75	25	39·7	—	34	14	0·19	—	0·19	4	1	—	2·5	—	0	0	0	0	0
D. I. KHAN																					
Kohat	70·8	—	78	21	48·5	—	42	13	0·26	—	0·22	4	1	—	4·3	—	2	0	0	0	0
Bannu	71·5	+2·9	79	20	47·6	+2·4	42	11	0·25	—0·93	0·18	4	1	—2·1	1·5	—	0	2	0	0	0
D. I. Khan	76·4	+4·8	83	21,22,25	43·8	—1·1	36	11	0·00	—0·67	0·00	—	0	—1·7	*	—	0	0	0	0	0
QUETTA																					
Sibi	*	—	—	—	*	—	—	—	0·00	—0·87	0·00	—	0	—1·7	*	—			*		
KALAT (North)																					
Nokkundi	75·4	+2·7	85	25	45·8	—1·2	37	13	0·04	—0·36	0·04	25	0	—1·1	x	—	0	0	0	0	0
KALATN (South)																					
Turbat	*	—	—	—	*	—	—	—	0·82	—	0·67	25	2	—	x	—			*		
Jiwani	78·8	—	85	20	61·3	—	56	10,21	2·40	—	2·40	26	1	—	x	—	2	0	0	0	0
Pasni	80·6	+3·7	85	20	57·4	—0·8	50	10	0·00	—1·41	—	—	0	—2·0	4·6	—0·5	0	0	0	0	0
Ormara	80·0	+4·2	88	27	59·6	—0·6	54	10,12	0·07	—2·12	0·07	26	0	—3·3	5·6	+0·1	1	0	0	0	1
Las Bela	*	—	—	—	*	—	—	—	0·14	—0·74	0·14	27	1	—1·0	*	—			*		

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

TABLE III—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF FEBRUARY, 1958.

Division and Station.	Maximum Temperature of the Air °F				Minimum Temperature of the Air °F				PRECIPITATION (Inches).						Wind Velocity (Knots).		Weather Number of Days.				
	Mean.	Departure from normal.	Highest.	Date.	Mean.	Departure from normal.	Lowest.	Date.	Total of the month.	Departure from normal.	Heaviest fall in 24 hours.	Date.	Days with 0·10" or more.	Departure from normal.	Mean.	Departure from normal.	Thunder heard.	Hail.	Visibility Code Figure 93 or Less. Fog.	Haze (dust)	Dust Storm
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
FEDERAL CAPITAL AREA																					
Karachi (Manora)	80·5	+3·6	84	3,25	63·0	+2·0	57	4	0·31	—0·13	0·31	27	1	0·0	x		0	0	0	0	0
Karachi (Mauripur)	81·7		86	24	58·1		53	15	0·28		0·28	27	1		x		1	0	1	0	0
Karachi (City)	83·7		88	1,21	58·4		51	22	*				0		3·2		0	0	0	0	0
Karachi (P.A.F.)	83·3		88	24	57·9		50	12	0·14		0·14	27	1		6·2		1	0	0	0	0
Karachi (Airport)	83·7		88	21	55·4		50	12	0·10		0·09	27	0		3·7		0	0	2	0	0
HYDERABAD																					
Badin	89·2	+6·8	95	25,26	51·6	—2·9	46	4 days	0·00	—0·38	0·00	—	0	—0·9	3·0		0	0	0	0	0
Nagarparkar (x)																					
Umarkot	86·2	—	95	18	50·9	—	43	14	0·00	—	0·00	—	0	—	3·3		0	0	1	0	0
Chhor	86·4	—	94	18	46·0	—	38	12	0·00	—	0·00	—	0	—	2·2		0	0	1	0	0
Hyderabad	86·0	+4·8	95	18	55·0	+0·5	49	15	0·00	—0·24	0·00	—	0	—0·6	3·5	0·0	0	0	0	0	0
KHAIRPUR																					
Pad Idan	81·7	—	90	18	46·3	—	39	12,13,14	0·00	—	Tr.	27	0	—	3·4	—	0	0	0	0	0
Nawabshah	83·6	—	94	18	48·4	—	40	13	0·00	—	Tr.	27,28	0	—	2·7	—	0	0	0	0	0
Sukkur	80·9	+2·2	89	25	51·6	—0·4	45	11	0·04	—0·24	0·04	26	0	—0·8	2·0	—0·6	0	0	0	0	0
Kashmore	*	—	—	—	*	—	—	—	0·00	—	0·00	—	0	—	*	—			*		
Jacobabad	(d) 81·2	+4·1	88	25	(e) 51·6	+1·1	45	13	0·00	—0·33	Tr.	26	0	—0·9	(d) 3·8	+0·6	0	0	0	0	0
JUNAGADH																					
Veraval (R)																					
AFGHANISTAN.																					
Jalalabad (R)																					
ARABIA																					
Muscat	74·6	—1·2	85	26	67·5	+0·9	64	12	0·00	—0·71	0·00	—	0	—1·4	4·5	+0·8	0	0	0	0	0

(R) Registeer not received. (*) Data rejected. (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 FEBRUARY, 1958.

Division and Station.	Maximum Temperature of the Air °F				Minimum Temperature of the Air °F				PRECIPITATION (Inches).						Wind Velocity (Knots).		Weather Number of Days.					
	Mean.	Departure from normal.	Highest.	Date.	Mean.	Departure from normal.	Lowest.	Date.	Total of the month.	Departure from normal.	Heaviest fall in 24 hours.	Date.	Days with 0·10" or more.	Departure from normal.	Mean.	Departure from normal.	Thunder heard.	Hail.	Visibility Code Figure 93 or Less: Fog.	Haze (dust)	Dust Storm.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
HILL STATIONS.																					
KASHMIR																					
Srinagar (x)																					
Gulmarg (x)																					
Gurez (x)																					
Sonemarg (x)																					
Dras (x)																					
Kargil (x)																					
Leh (x)																					
Skardu (x)																					
Misgar	35·6	—	48	6	9·1	—	3	12,15	0·09	—	0·09	2	0	—	1·7	—	0	0	0	0	0
Aliabad (x)																					
Gilgit (x)																					
RAWALPINDI																					
Murree	48·1	+1·4	55	23,24	34·0	+2·9	30	5 days	1·02	—3·29	0·24	28	4	—2·4	5·3	0·0	1	2	3	0	0
PESHAWAR																					
Drosh	53·9	+4·9	69	25	36·2	+2·6	32	1	1·12	—0·43	0·45	2	5	+1·3	4·5	+2·0	0	0	0	0	0
Chetat	*	—	*	—	37·4	—3·3	32	5	0·73	—2·48	0·46	4	2	—2·7	(f) 10·3	+2·1	0	0	1	0	0
Kakul	59·5	—	66	4 days	40·9	—	38	5 days	0·72	—	0·31	28	3	—	(x)	—	1	2	0	0	0
Balakot (R)																					
Landikotal	58·6	—	68	25	37·6	—	34	11,12,22	0·07	—	0·05	26	0	—	2·3	—	0	0	0	0	0

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

TABLE III—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF FEBRUARY, 1958.

Division and Station.	Maximum Temperature of the Air °F				Minimum Temperature of the Air °F				PRECIPITATION (Inches).						Wind Velocity (Knots).		Weather Number of Days.				
	Mean.	Departure from normal.	Highest.	Date.	Mean.	Departure from normal.	Lowest.	Date.	Total of the month.	Departure from normal.	Heaviest fall in 24 hours.	Date.	Days with 0·10″ or more.	Departure from normal.	Mean.	Departure from normal.	Thunder heard.	Hail.	Visibility Code Figure 93 or Less. Fog.	Haze (dust).	Dust Storm.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
D.I. KHAN																					
Parachinar	57·2	+5·4	62	8 days	31·4	+0·1	25	9	2·10	—0·53	0·75	2	4	—1·4	(n) 2·6	+0·6	0	0	0	0	0
Miranshah	64·9	+3·8	72	21	(m) 39·1	—2·4	34	9,10	0·63	—0·93	0·23	2	2	—2·1	0·8	—2·7	0	0	0	0	0
Wana	59·4	+1·3	66	24	31·0	—1·5	23	3	1·48	0·00	0·59	26	4	+0·4	0·7	—	0	0	0	0	0
QUETTA																					
Fortsandeman	62·2	+2·9	69	23,24	33·5	—1·9	26	12	0·60	—0·48	0·35	27	3	—0·3	1·1	—1·1	0	0	3	0	0
Hindubagh	56·9		66	25	31·1		24	12	1·54		0·80	26	3		4·1		0	0	0	0	0
Loralai	61·4		67	24,25	33·5		28	10,11,12	0·51	—0·56	0·25	7	2	—0·6	3·7		0	0	0	0	0
Harnai									0·80	—0·53	0·45	26	2	—0·4	x		0	0	0	0	0
Quetta (Samungli)	55·0		66	25	26·7		18	12	1·02		0·68	26	2		4·6		3	0	0	0	0
Quetta	55·3		65	26	(g) 30·1		23	14	0·89		0·76	27	2		x		0	0	0	0	0
Chaman	59·7	+2·4	70	25	39·5	+1·4	33	10,12,13	0·87	—0·85	0·40	26	3	—1·4	x		1	1	0	0	0
KALAT (North)																					
Kalat	53·6	+0·8	62	25	27·5	—3·7	18	11,12,14	1·55	+0·16	1·30	26	2	—1·4	3·9	—0·5	0	1	0	0	0
Nushki	67·6		79	25	46·3		37	12	0·37		0·20	26	2		x	—0·5	0	1	0	0	0
Dalbandin	70·7	+3·2	81	25	40·1	+0·5	33	13,14	0·16	—0·80	0·16	26	1	—1·2	3·3	—0·2	1	1	0	1	0
KALAT (South)																					
Panjgur	69·0	+1·0	79	25	42·6	+0·1	37	13,14	0·35	—0·61	0·20	27	2	—0·1	3·8	—0·9	0	0	0	0	1
AFGHANISTAN																					
Kabul	47·3	+5·1	58	23,24	28·6	+4·6	24	6,10,11	1·37	—0·12	0·57	26	4	+0·6	0·9	—2·2	0	0	0	0	0
Kandahar	62·6	—	73	25	34·0	—	28	9,12,14	0·53	—	0·31	26	2	—	1·3	—	0	0	0	0	0

(*) Data rejected. (x) Data not available. (g) Mean for 24 days. (m) Mean for 18 days. (n) Mean for 17 days.

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PAKISTAN WEATHER REVIEW 1958

Monthly Weather Report

March

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U. S. DEPT. OF COMMERCE

PUBLISHED BY THE AUTHORITY OF THE GOVERNMENT OF PAKISTAN.

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Chief Features.—1. Frequent wet weather over the northern divisions of West Pakistan during the first fortnight with pronounced rainfall activity over there be' ween the 9th and the 12th.

2. A marked hot speel in East Pakistan during the last week with pronounced thunder storm activity in Dacca and Chittag gong Divisions on the last three days.

West Pakistan.—Eight western disturbances affected the weather over the region during the first fortnight.

Of these, the first three moved in close succession during the first four days and caused wet weather practically throughout the northern divisions of West Pakistan between the 2nd, and the 4th the rainfall being fairly widespread in Peshawar, Rawalpindi and Lahore divisions. The fourth moved across Peshawar divisions towards the end of the first week and caused only scattered light rain or drizzle in Quetta and D.I. Khan divisions on the 6th.

The remaining four western disturbances moved in close succession across the northern parts of the region during the second week and caused pronounced wet weather over there between the 9th and the 12th and local rain in Peshawar and Rawalpindi Divisions and scattered in Quetta division during the subsequent two days.

During the second fortnight of the month although four western disturbances moved across the northern parts, very little rainfall was experenced towards its end.

The first two which moved during the first half of the fourth week were feeble and caused only scattered light rain in Peshawar, D.I. Khan and Rawalpindi divisions between the 20th and the 25th. The other two moved in close succession towards the end of the fortnight and caused rain or thunderstorms locally in Quetta and Peshawar divisions and at a few places in D.I. Khan, Lahore and Rawalpindi divisions between the 28th and the 30th.

Outstanding amounts of rainfall were Murree 2" and Kakul 1½" on the 10th ; Parachinar 3" on the 3rd ; Rawalpindi Murree, and Haripur 1½" each on the 12th ; Landikotal 2" and Drosh 1½" on the 28th.

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

The mean maximum temperature was normal in Rawalpindi division and above normal elsewhere while the mean minimum temperature was nor mal in Peshawar, D.I. Khan and Hyderabad divisions and the Federal Capital Area and above normal over rest of the region.

The mean relative humidity was in defect in Lahore, Kalat and Khairpur divisions, normal in Rawalpindi, Multan, Peshawar, Quetta and Hyderabad divisions and above normal elsewhere.

Skies were more clouded than usual in Bahawalpur division, normal in Lahore, Rawalpindi, Multan, Peshawar and Quetta divisions and less than usual elsewhere.

East Pakistan.—Two westerly low pressure waves moved across the region during the first four days of the month. They caused local rain in Rajshahi division and scattered in Chittagong division on the Ist and scattered rainfall in Dacca and Chittagong divisions on the 4th and the 5th.

Thereafter, the weather remained dry till the 28th and excessively hot weather prevailed over the region during the last four days when temperatures were 6-12°F above normal.

The hot spell terminated under the influence of two lows which affected the weather towards the end of the month. The first of these moved away eastwards across the region while the other lay over there on the last day of the month.

They caused scattered rainfall over the region and pronounced thunderstorm activity in Dacca division on the 29th and the 30th and fairly widespread thunderstorms or showers in Dacca and Chittagong divisions on the31st.

Chief amounts of rainfall were :—Comilla 1½" on the 30th, and Chittagong 2" and Faridpur and Barisal 1½" each on the 31st.

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

The mean maximum temperature was above normal while the mean minimum temperature was normal everywhere.

The mean relative humidity and the cloudiness were all in defect over the whole region.

Table I contains the divisional means of rainfall, temperature, humidity and cloud amount for the 15 divisions of Pakistan. These means are based on the Observations at the stations whose monthly means are given in the subsequent table.

TABLE I—DIVISIONAL MEANS FOR MARCH, 1958.

Division.	PRECIPITATION.				DEPARTURE FROM NORMAL OF				
							0300 hrs. G.M.T.		
	Actual	Normal.	Departure from normal.	Percentage departure from normal.	Maximum temperature.	Minimum temperature.	Vapour pressure.	Relative humidity.	Cloud.
1	2	3	4	5	6	7	8	9	10
	Inches	Inches	Inches		Degree	Degree	Mb.	%	
EAST PAKISTAN.									
Chittagong	1·08	2·63	—1·55	—59	+2·9	—0·2	—0·7	—6	—1·1
Dacca	0·56	2·11	—1·55	—73	+3·9	—0·1	—2·2	—10	—1·1
Rajshahi	0·38	1·32	—0·94	—71	+2·9	+0·7	—2·1	—12	—0·8
MEAN	0·65	1·96	—1·31	—67	+3·2	+0·2	—1·7	—9	—1·0
WEST PAKISTAN.									
Kashmir (x)									
Lahore	0·67	1·15	—0·48	—42	+2·8	+2·9	—0·1	—7	—0·2
Rawalpindi	3·77	2·84	+0·93	+33	+1·3	+2·7	+1·0	+5	+0·3
Multan	0·08	0·46	—0·38	—83	+2·2	+2·4	+0·5	—1	—0·2
Bahawalpur	0·00	0·39	—0·39	—100	+4·5	+3·3	+3·2	+7	+1·3
Peshawar	3·15	3·49	—0·34	—10	+4·9	+1·7	+0·9	+1	—0·3
D. I. Khan	2·94	2·27	+0·67	+30	+3·9	+1·5	+1·9	+7	—1·1
Quetta	0·59	1·18	—0·59	—50	+5·6	+2·6	+1·4	—2	—0·1
Kalat	0·02	0·56	—0·54	—96	+5·6	+2·7	+0·2	—7	—1·0
Federal Capital Area	0·00	0·29	—0·29	—100	+4·5	+0·1	+3·9	+9	—0·5
Hyderabad	0·00	0·17	—0·17	—100	+5·3	+0·9	+0·5	+3	—0·7
Khairpur	0·01	0·23	—0·22	—96	+3·2	+2·9	—1·3	—6	—0·5
MEAN	0·72	1·02	—30	—29	+4·7	+2·4	+0·8	—1	—0·4
Junagad (x)									

(x) Data not available.

TABLE II—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF MARCH, 1958.

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	oktas									
EAST PAKISTAN																							
CHITTAGONG.																							
Cox's Bazar (P.T)	0300	38	1012·1	+0·7	1013·5	80·7	74·1	70·0	26·2	+1·5	72	—2	1·1	—1·1	7	4	6	6	2	2	1	3	0
	1200		1009·0		1010·3	80·8	76·0	73·1	28·4		78		2·0		1	1	0	0	2	7	14	6	0
Chittagong (Patenga)	0000	20	1010·7		1011·4	69·5	67·1	65·5	21·1		87		1·8		0	8	0	2	0	0	0	0	21
	0300		1012·7		1013·4	80·5	71·3	66·8	22·7		63		2·0		2	12	0	9	1	0	0	2	5
	1200		1008·9		1009·6	82·8	73·8	69·0	24·6		64		2·1		1	0	0	1	2	13	10	4	0
Chittagong	0300	46	1011·7	+0·3	1013·3	81·5	73·6	69·8	24·1	+0·6	67	—6	1·9	—0·6	7	7	3	10	2	0	0	0	2
	1200		1007·8		1009·3	83·7	75·1	71·2	26·3		66		2·0		3	0	0	0	2	13	10	3	0
Majdi Court	0000	25	1010·1		1011·0	68·2	67·2	66·4	22·1		95		0·4		0	0	0	0	0	0	0	0	31
	0300		1012·1	+0·4	1013·0	80·5	72·9	68·9	24·8	—1·0	68	—8	0·4	—2·2	0	0	0	0	0	0	0	0	31
	1200		1008·0		1008·9	84·2	74·5	70·0	24·9		62		1·6		0	0	1	0	3	0	0	0	27
Comilla	0000	29	1010·4		1011·4	68·9	66·4	64·8	21·1		87		2·5		0	0	0	0	0	0	0	0	31
	0300		1011·7	+0·3	1012·6	78·6	71·0	66·1	23·0	—1·7	68	—4	1·9	—1·0	0	0	0	1	5	0	0	0	25
	1200		1008·1		1009·1	86·3	71·7	63·5	19·8		47		2·6		0	0	0	0	6	0	0	0	25
Brahmanbaria	0000	32	1010·1		1011·2	67·1	63·8	63·0	18·4		81		2·7		0	0	2	2	6	0	0	0	21
	0300		1011·9		1013·0	79·7	69·7	64·0	20·5	—0·6	59	—8	1·6		0	0	1	1	6	5	3	0	15
	1200		1007·6		1008·7	84·8	69·3	59·5	17·6		43		2·1		0	0	0	0	4	4	0	0	23
Srimangal	0000	69	1009·3		1011·8	61·1	60·2	59·2	17·2		94		1·6		0	0	0	1	0	0	0	0	30
	0300		1010·8	+0·5	1013·2	76·9	68·9	63·2	18·1	—2·7	65	—9	1·6	—0·8	0	0	0	3	4	3	2	0	19
	1200		1006·6		1009·0	81·2	75·5	67·3	27·7		76		1·7		0	0	0	0	1	1	0	0	29
Sylhet	0000	115	1006·9		1010·9	65·4	61·0	57·5	16·0		76		1·8		0	0	25	0	0	0	0	0	6
	0300		1009·0		1013·0	75·9	66·8	60·8	18·5		60		1·6		0	1	25	0	0	0	1	0	4
	1200		1004·7		1008·6	82·2	68·7	59·7	17·7		47		2·5		1	0	2	0	0	1	7	0	20
DACCA.																							
Mymensingh	0000	62	1009·3		1011·5	66·8	63·7	61·7	19·0		84		0·6		0	0	0	5	0	1	0	0	25
	0300		1011·1	+0·7	1013·3	74·8	67·9	63·6	20·2	+0·2	68	—3	1·7	—1·7	0	0	2	16	0	5	0	0	8
	1200		1006·8		1009·0	87·0	71·3	61·4	19·3		44		1·5		0	0	0	7	0	2	1	0	21
Narayanganj	0000	26	1010·3		1011·2	69·1	65·6	63·5	19·9		82		2·2		2	0	2	1	4	0	3	1	18
	0300		1012·3	+0·8	1013·2	80·3	69·6	63·0	19·9	—2·5	57	—14	1·8	—1·5	0	0	3	0	6	4	6	5	7
	1200		1008·1		1008·9	86·3	69·5	58·7	16·4		39		3·0		0	0	0	3	6	1	0	2	19
Dacca (Tejgaon)	0000	27	1009·2		1010·2	66·3	63·3	61·1	18·3		84		2·0		3	0	2	4	3	7	0	1	11
	0300		1011·5		1012·5	78·9	68·5	61·6	19·1		56		2·1		5	0	2	3	3	7	4	6	1
	1200		1007·3		1008·3	85·5	68·2	55·9	15·1		37		2·7		1	0	0	3	5	2	2	11	7

TABLE II—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF MARCH, 1958.

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 G.P.M.	Dry bulb	Wet bulb.	Dew point.	Vapour pressure.	Departure from normal.	Relative humidity.	Departure from normal.	Mean amount.	Departure from normal.	N	NE	E	SE	S	SW	W	NW	Calm.
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas	oktas									
DACCA—Contd.																							
Faridpur	0000	46	1008·9		1010·6	64·6	62·6	59·5	18·8		89		2·0		4	0	0	2	6	1	0	4	14
	0300		1010·4	+0·1	1012·0	78·8	67·2	59·0	17·8	—4·2	52	—14	2·0	—0·2	4	1	0	2	5	2	0	2	15
	1200		1006·6		1008·2	82·4	68·4	53·0	17·1		46		2·8		6	1	0	2	3	1	0	5	13
Barisal (R)	0000	11																					
	0300																						
	1200																						
RAJSHAHI.																							
Khulna	0000	16	1010·4		1010·9	70·3	68·5	67·3	22·5		90		1·7		0	0	0	0	1	0	1	0	29
	0300		1012·6	+0·8	1013·2	79·5	71·9	67·4	23·0	+0·3	68	+2	1·0	—1·9	0	0	0	1	2	4	0	0	24
	1200		1008·5		1009·0	87·0	73·5	61·6	22·1		50		1·6		0	1	1	0	2	0	0	0	27
Satkhira	0000	16	1010·2		1010·7	69·6	67·6	65·8	22·5		90		0·5		0	0	0	0	0	10	1	0	20
	0300		1012·2	+0·8	1012·7	82·2	71·3	65·1	20·9	—2·0	56	—12	1·5	—0·4	1	1	0	0	0	16	1	0	12
	1200		1009·5		1010·0	87·4	71·3	63·5	18·7		42		2·2		0	0	0	2	0	8	0	1	20
Jessore	0000	26	1009·3		1010·2	66·3	64·1	62·5	19·1		89		2·4		1	1	1	1	10	6	3	2	6
	0300		1011·6	+0·3	1012·5	79·6	70·1	64·0	20·7	—1·5	61	—8	1·8	—0·7	1	1	1	2	5	9	8	4	0
	1200		1007·8		1008·7	89·9	71·2	59·7	17·7		37		2·5		5	1	1	2	5	0	11	4	2
Pabna	0000	48	*		*	65·4	61·4	58·5	16·5		78		1·2 (a)		0	3	5	1	0	3	1	0	18
	0300		1009·9		1011·6	79·6	67·0	57·6	17·3	—3·5	49	—17	1·2		0	0	3	3	0	15	0	9	1
	1200		1005·9		1007·5	86·3	70·4	60·0	17·8		42		1·9		0	0	3	2	1	5	1	8	9 (b)
Serajgonj	0000	49	1007·0		1008·8	65·9	63·4	58·8	18·9		87		2·4		0	0	0	1	0	0	0	0	30
	0300		1009·6		1011·3	80·0	67·4	59·5	17·3		49		1·9		0	0	1	3	1	2	0	1	23
	1200		1006·0		1007·7	84·8	69·3	59·0	17·6		43		1·6		0	0	0	1	0	0	0	0	30
Rajshahi	0000																						
	0300												1·4										
	1200																						
Bogra (P.B.O)	0000	65	1008·1		1010·4	66·1	60·8	56·8	15·5		71		1·3		1	0	1	1	0	0	0	0	28
	0300		1010·2	+0·7	1012·4	79·4	66·1	55·6	15·4	—2·7	45	—18	1·5	—0·5	2	6	5	2	0	4	4	4	4
	1200		1006·9		1008·2	88·5	67·7	51·8	13·9		30		2·0		0	0	2	0	1	3	10	3	12
Dinajpur	0000	123	1005·9		1010·2	63·0	57·4	53·1	13·7		69		1·0		0	0	0	0	0	0	0	0	31
	0300		1007·9	+0·6	1012·2	77·8	62·9	51·3	12·9	—3·0	39	—20	1·0	—0·7	0	0	0	0	0	0	1	0	30
	1200		1003·3		1007·4	88·6	67·3	49·4	13·3		28		0·8		0	0	1	0	0	0	2	0	28
Rangpur	0000					62·5	58·0	54·3	14·7		75		1·7		4	3	2	0	0	1	7	2	12
	0300					76·8	64·9	56·1	15·7		49		1·5		0	9	8	2	2	4	4	2	0
	1200					85·6	65·5	49·1	12·8		30		1·3		1	3	0	1	2	4	15	1	4

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

TABLE II—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF MARCH, 1958.

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 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	oktas									
KASHMIR.																							
Jammu (x)	0300	1200																					
	1200																						
LAHORE.																							
Lahore (P.B.O)...	0000	702	987·4		1012·5	59·2	54·5	50·2	12·4		72		1·3		2	3	0	2	0	0	0	3	21
	0300		988·5	+1·0	1013·4	65·2	56·9	49·6	12·1	+0·6	57	−2	2·5	−0·2	6	6	1	4	0	0	0	4	10
	1200		986·6		1010·7	81·9	63·1	47·4	11·3		30		3·5		2	2	0	2	0	1	7	11	6
Lahore (Cantt.)	0000	703	986·5		1012·0	59·4	54·1	49·0	12·2		70		1·8		7	4	2	0	0	1	1	12	4
	0300		988·0	—	1013·1	64·3	56·5	49·7	12·8	—	58	—	1·8	—	5	5	1	4	3	1	0	9	3
	1200		985·9		1010·2	81·7	63·2	47·8	11·4		31		3·3		2	1	1	4	1	1	1	19	1
Lahore (Walton)	0000	699	x		—	—	—	—	—		—		—		—	—	—	—	—	—	—	—	—
	0300		988·2	—	1013·1	63·7	56·9	51·0	12·8	—	63	—	2·0		4	4	0	8	0	0	1	11	3
	1200		986·1		1010·0	81·9	64·4	51·2	12·7		35		3·4		2	1	0	5	0	0	3	19	1
Sialkot	0000	830	982·8		1012·5	58·6	52·8	47·1	11·0		66		0·9		0	4	0	1	0	0	0	1	25
	0300		983·9	+0·8	1013·0	64·6	56·2	48·5	11·7	−0·8	56	−11	2·0	−0·2	0	5	0	0	0	0	0	2	24
	1200		981·9		1010·4	80·8	63·4	49·9	12·1		34		2·1		0	3	0	3	0	2	0	6	17
RAWALPINDI.																							
Jhelum	0000	765	(a) 985·2		(a) 1012·7	56·6	(b) 53·0	(b) 49·5	12·1		77		2·0		1	0	0	0	0	0	0	9	21
	0300		(a) 986·5	—	(a) 1013·7	(a) 62·3	(a) 55·2	(a) 48·9	11·7	—	61	—	3·3		1	3	1	2	1	1	1	9	12
	1200		984·4		1010·8	78·9	(a) 60·9	(a) 44·8	10·1		30		4·8		0	0	2	0	0	3	6	13	7
Chaklala	0000	1667	955·2		(a) 1014·5	(a) 53·1	(a) 50·3	(a) 47·9	11·3		82		3·1		3	1	1	1	0	0	6	6	13
	0300		956·3	—	1015·4	55·7	52·4	49·5	12·1	—	80	—	4·0		6	0	1	0	0	0	3	3	18
	1200		954·6		1011·6	73·1	60·1	50·5	12·5		45		5·3		0	3	1	1	0	0	22	3	1
Rawalpindi	0000	1675	954·9		1014·4	53·8	50·8	48·2	11·4		81		*		2	0	1	0	0	0	2	0	26
	0300		955·8	+1·0	1014·6	58·2	53·6	49·5	12·2	+1·5	73	+14	3·5	+0·5	4	3	0	0	0	0	2	2	20
	1200		(a) 954·6		(a) 1011·9	73·0	59·2	49·2	11·6		42		4·3		3	1	2	0	0	4	8	7	6
Khushab	0000	616	990·9		1013·0	59·5	54·7	50·6	12·4		70		1·8		4	8	2	1	1	2	3	1	9
	0300		992·0	+0·8	1013·9	65·4	57·5	50·8	12·6	+1·9	58	+2	2·5	−0·3	2	6	3	1	0	2	3	1	13
	1200		989·7		1011·0	81·5	62·7	47·0	10·9		29		3·6		4	7	3	2	1	1	4	0	9
Sargodha (R)	0000	614																					
	0300																						
	1200																						

(R) Register not received. (*) Data rejected. (x) Data not available. (a) Mean for 30 days. (b) Mean for 29 days.

TABLE II—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF MARCH, 1958.

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 Mlls. 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	oktas									
MULTAN.																							
Lyallpur	0000	605	990·6		1013·0	57·8	53·8	49·3	12·4		76		0·7		0	10	1	0	0	0	0	4	16
	0300		992·2	+1·3	1013·8	62·3	56·1	50·8	12·6	+0·9	65	+2	3·2	+0·1	2	8	2	3	2	1	3	5	5
	1200		990·2		1011·1	81·3	63·8	50·5	12·3		34		4·3		4	3	2	1	1	2	10	5	3
Montgomery	0000	558	992·0		1011·8	60·1	55·2	51·0	13·5		71		1·3		3	6	0	0	0	1	0	0	21
	0300		993·7	+1·2	1013·5	61·9	56·1	51·1	13·6	+1·0	66	—1	1·1	—1·0	1	5	1	0	0	1	0	0	23
	1200		991·6		1010·7	83·1	65·8	52·9	14·0		35		2·3		2	10	0	1	0	2	0	2	14
Multan (P.B.O)	0000	404	997·8		1012·4	61·6	55·7	50·6	12·5		67		1·1		8	1	2	2	1	1	0	0	16
	0300		999·6	—	1014·2	64·7	57·4	51·1	12·8	—	61	—	2·2	—	5	0	1	2	0	0	0	2	21
	1200		996·3		1010·2	85·3	64·3	47·2	11·1		26		2·6		6	4	1	6	6	0	0	0	8
Multan (S)	0300	413	999·5	+1·6	1014·2	66·8	58·5	51·3	12·9	—0·4	58	—4	2·5	+0·3	8	4	0	5	5	1	1	0	7
	1200		996·4		1010·4	85·5	65·6	49·4	12·6		29		3·1		3	9	2	6	3	3	0	0	5
BAHAWALPUR.																							
Leiah (R)	0000	487																					
	0300																						
	1200																						
Khanpur (S)	0300	297	1003·9	+1·8	1014·5	63·2	57·1	51·1	13·2	+2·5	67	+12	*	—	9	8	1	1	4	1	1	0	6
	1200		999·6		1009·8	90·6	69·1	54·0	14·6		30		*		1	4	1	1	1	1	4	3	13
Khanpur (P.B.O)	0000	290	(a) 1001·4		(a) 1011·9	59·6	54·7	50·3	12·4		71		0·5		3	12	1	0	0	3	0	0	12
	0300		1002·9	—	1013·3	66·0	57·8	51·2	13·7	—	58	—	1·8	—	5	14	0	1	0	2	1	0	8
	1200		999·3		1009·2	89·1	65·3	45·7	10·6		22		1·8		1	6	2	1	1	7	3	2	8
Bahawalpur	0300	384	1000·7	+1·8	1014·3	70·3	62·8	58·0	16·1	+3·9	64	+3	3·2	+1·3	1	2	0	0	0	0	0	0	28
	1200		996·4		1009·5	87·3	72·6	65·2	20·7		47		1·8		4	0	0	0	0	2	0	0	25
Fort Abbas	0000	475	*		*	59·7	55·2	51·6	13·9		73		0·4		1	4	0	18	0	7	0	1	0
	0300		997·0	—	1013·7	69·0	60·6	54·5	14·1	—	60	—	1·0	—	5	7	4	5	3	3	0	0	4
	1200		993·8		1010·0	87·1	69·7	59·1	17·7		40		1·7		6	6	0	0	0	10	3	5	1
PESHAWAR.																							
Chakdara	0000	2197	936·6		1014·0	52·2	49·1	45·4	10·6		80		2·7		2	3	2	6	1	0	1	3	13
	0300		937·7	—	1015·3	53·0	49·4	45·6	10·6	—	77	—	3·1	—	8	0	1	2	1	0	0	0	19
	1200		935·0		1009·6	70·5	57·5	46·5	10·9		43		4·1		1	3	0	5	5	4	0	0	13
Peshawar	0000	1177	972·6		1014·7	55·2	51·7	48·4	11·5		77		2·5		1	0	0	4	5	12	0	0	9
	0300		973·8	+0·8	1015·8	57·6	53·6	49·9	12·3	+1·4	76	+7	3·9	—0·3	0	1	0	6	3	9	0	2	10
	1200		972·0		1012·6	73·0	60·4	49·8	12·3		45		5·3		1	3	3	7	3	5	1	2	6

(a) Mean for 30 days (*) Data rejected. (R) Register not received.

TABLE II—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF MARCH, 1958.

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 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 G.P.M.	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	W	W	NW	Calm
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas	oktas									
PESHAWAR—Contd.																							
Risalpur	0000	1009	978·5		1014·9	52·3	49·8	47·2	11·1		83		2·8		2	1	2	0	0	0	10	4	12
	0300		979·7	—	1015·9	56·6	53·1	49·9	12·2		78	—	3·5	—	0	2	0	1	0	4	12	3	9
	1200		977·5		1012·4	74·3	60·7	49·0	12·0		41		5·0		2	3	1	3	1	1	7	7	6
Haripur	0300	1757	953·5	—	1015·2	58·9	53·2	49·4	11·5	—	68	—	3·0	—	0	0	0	2	1	16	6	5	(*) 0
	1200		952·3		1012·2	74·7	61·2	52·3	13·0		44		3·6		0	1	1	5	4	9	2	9	0
Campbellpur	0300	1175	973·6	—	1015·5	58·4	53·6	49·4	11·9	—	71	—	4·0	—	2	10	2	2	1	0	2	2	10
	1200		971·8		1012·4	73·2	59·8	47·9	11·5		41		5·6		15	8	1	1	0	0	2	3	1
D. I. KHAN.																							
Kohat	0000	1667	956·5		1015·2	58·8	52·4	46·5	10·5		64		2·5		2	1	0	0	0	1	0	24	3
	0300		957·8	—	1016·3	61·0	53·4	46·6	10·9	—	60	—	3·3	—	0	1	0	1	1	0	1	22	5
	1200		956·0		1013·1	72·8	58·2	46·1	10·7		39		5·0		6	9	2	4	1	0	0	5	4
Bannu	0000	1263	968·2		1013·0	59·1	54·1	49·9	12·1		70		1·7		5	3	0	1	2	0	9	7	4
	0300		968·7	—	1013·6	60·3	54·8	50·0	12·6	+2·8	68	+13	1·5	—0·9	3	2	2	0	0	1	10	7	6
	1200		967·0		1010·2	75·5	61·8	51·2	13·4		42		2·7		0	2	9	13	2	1	0	3	1
D. I. Khan	0000	570	*		*	61·0	54·9	48·8	12·0		66		0·6		0	2	0	0	0	0	0	1	28
	0300		992·8	0·0	1013·2	64·0	56·8	50·4	12·5	+0·4	61	—2	2·3	—0·3	0	2	0	0	0	0	0	0	29
	1200		991·7		1011·1	83·9	65·0	49·9	12·5		31		2·0		1	4	0	0	0	0	0	0	26
QUETTA.																							
Sibi	0000	441	996·7		1012·6	64·6	55·4	46·5	10·9		52		0·5		0	0	0	0	0	0	1	3	27
	0300		998·0	+2·6	1013·8	64·8	55·4	46·9	10·8	+2·6	51	+12	1·7	—0·1	0	1	0	0	0	0	0	2	28
	1200		995·4		1010·4	90·1	67·1	48·8	12·3		25		1·9		0	0	0	0	0	0	0	2	29
KALAT (North).																							
Nokkundi	0000	2229	934·9		1011·8	62·5	49·8	35·4	7·1		37		0·0		12	9	1	0	1	0	1	7	0
	0300		936·9		1013·7	63·3	50·9	36·8	7·8	—0·6	38	—8	0·0	—2·3	8	11	6	1	2	0	0	3	0
	1200		933·4		1006·9	84·5	59·7	33·4	7·5		18		0·0		5	1	2	8	6	2	1	6	0
KALAT (South).																							
Turbat	0000	510	*		*	63·4	52·2	40·0	8·2		41		x						*				
	0300		*		*	69·2	56·0	43·0	9·3		43		x						*				
	1200		*		*	92·6	64·5	40·0	8·4		16		x						*				
Jiwani	0000	185	1005·7		1012·2	69·3	67·2	65·8	21·8		89		0·7		1	1	0	0	1	8	11	0	9
	0300		1007·0		1013·6	70·7	68·1	66·6	22·4		87		1·6		0	1	0	1	2	2	5	1	19
	1200		1005·3		1011·7	81·0	69·7	62·6	21·0		54		1·2		0	0	0	0	11	12	8	0	0
Pasni	0000	28	1010·6		1011·5	66·4	63·7	61·7	18·6		87		1·0		0	1	0	0	0	0	10	9	11
	0300		1012·4	+0·4	1013·3	66·3	63·1	62·3	18·0	+0·5	84	+5	1·5	+0·1	1	1	1	0	0	0	6	7	15
	1200		1009·1		1010·0	83·2	72·8	67·3	22·3		58		1·1		0	0	0	1	4	22	3	0	1

(*) Data rejected. (x) Data not available. (s) Mean for 30 days.

TABLE II—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF MARCH, 1958.

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	oktas									
KALAT (South)—Contd.																							
Ormara	0000	15	1010·8		1011·3	69·6	67·4	65·7	22·0		89		0·6		0	0	1	0	0	(h) 5	5	0	12
	0300		1012·3		1012·8	71·2	68·1	66·4	22·1	+2·6	85	+2	1·1	—1·1	0	0	0	0	0	(f) 4	2	1	18
	1200		1009·8		1010·3	84·3	74·3	68·8	24·4		60		0·5		0	0	0	0	0	(o) 4	11	1	0
Lasbela	0000	292	1002·4		1012·6	66·5	62·2	56·4	17·3		75		0·0						*				
	0300		1003·3	+0·8	1013·6	74·3	65·4	58·8	17·0	+1·1	59	—10	0·0	—1·8					*				
	1200		1000·1		1009·9	95·5	73·5	59·3	17·7		31		0·0						*				
FEDERAL CAPITAL AREA.																							
Karachi (Manora)	0000	13	1011·2		1011·7	69·0	65·5	63·1	19·9		82		1·5		1	5	0	0	0	1	6	4	14
	0300		1012·6	+0·4	1013·1	70·1	67·2	64·8	21·3	+1·9	85	+9	1·5	—0·5	2	6	0	0	0	1	8	6	8
	1200		1010·1		1010·6	83·2	78·9	77·1	30·8		82		1·3		0	0	0	0	0	10	21	0	0
Karachi (Mauripur)	0000	52	1009·4		1011·2	69·7	67·1	64·5	21·5		87		1·1		2	3	1	0	0	0	9	7	9
	0300		1010·8		1012·6	70·8	66·6	63·5	20·4		79		1·9		6	3	2	0	0	0	8	5	7
	1200		1008·6		1010·4	83·8	72·6	65·8	22·3		56		0·9		0	0	0	0	2	16	9	4	0
Karachi (City)	0300	20	1011·9		1012·8	74·1	67·8	63·3	20·4		71		1·2		6	7	1	0	0	2	11	3	1
	1200		1009·1		1010·0	83·8	71·1	63·1	20·9		52		0·5		0	0	0	0	2	14	13	2	0
Karachi (PAF)	0000	24	1010·3		1011·2	69·8	65·8	62·6	19·9		80		0·7		1	4	0	0	0	4	6	4	12
	0300		1011·7		1012·6	71·1	66·1	62·1	19·7		75		1·0		6	4	1	0	0	1	7	2	10
	1200		1009·2		1010·1	85·9	72·4	63·7	21·0		49		0·7		0	0	1	0	1	26	3	0	0
Karachi (Airport)	0000	73	1008·7		1011·4	67·6	64·1	61·1	18·8		81		0·7		2	0	2	0	0	1	5	3	18
	0300		1010·6		1013·2	70·3	64·8	60·6	18·4		73		1·8		2	1	1	0	0	1	4	3	19
	1200		1007·8		1010·2	86·6	72·0	62·4	20·2		47		1·0		0	1	0	0	3	18	9	0	0
HYDERABAD.																							
Badin	0000	31	1008·7		1009·8	66·8	60·9	55·7	15·6		69		0·0		11	0	0	0	0	9	4	7	0	0
	0300		1010·6	—0·4	1011·7	68·9	63·1	58·2	17·1	+0·2	71	+5	0·0	—1·2	10	0	0	0	0	10	5	4	0	2
	1200		1007·0		1008·0	95·1	68·6	47·9	11·9		21		0·0		9	0	0	0	0	12	2	8	0	0
Nagarparkar (R) ...	0300	178											(h) 0·3		2	0	0	0	(h) 0	4	7	4	6
	1200	(Prov.)											(h) 0·8		0	0	0	0	(h) 0	4	7	0	12
Umakot	0000	55	1008·8		1010·7	66·3	60·5	55·5	15·4		69		0·0		2	3	1	2	5	8	1	0	9
	0300		1010·1		1012·1	69·0	62·5	56·0	16·4		67		0·2		1	2	3	1	8	7	1	0	8
	1200		1007·4		1009·2	95·7	70·0	51·5	13·5		24		0·1		1	0	0	1	2	6	8	11	2
Chhor	0000	19	1010·0		1010·7	62·7	56·3	49·8	12·6		65		0·8		0	2	0	0	0	7	1	0	21
	0300		1012·1		1012·8	68·9	60·9	53·3	14·6		61		1·6		0	5	0	1	0	13	3	0	9
	1200		1008·3		1009·0	94·7	66·5	42·0	9·5		18		2·0		2	3	0	2	0	12	8	2	2
Hyderabad	0000	98	1007·3		1010·8	67·0	59·9	53·6	14·4		64		0·1		4	2	0	0	3	15	0	1	6
	0300		1009·2	+0·6	1012·7	69·3	60·4	52·4	13·9	+0·9	37	+2	1·3	—0·1	7	1	1	0	1	14	0	2	5
	1200		1006·0		1009·3	94·5	67·0	44·3	10·2		19		1·0		2	5	1	1	2	16	0	2	2

(R) Register not received. (*) Data rejected. (h) Mean of 23 days. (f) Mean for 25 days. (o) Mean of 16 days.

TABLE II—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF MARCH, 1958.

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
	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas	oktas									
KHAIRPUR.																							
Pad Idan	0000	153	1005·6		1011·1	62·5	54·2	45·5	10·7		56		0·8		7	3	0	2	7	0	5	1	6
	0300		1007·4		1012·8	64·2	54·9	45·5	10·6		52		1·4		7	2	1	1	8	3	1	1	7
	1200		1004·3		1009·8	92·5	65·0	39·0	8·7		17		1·0		6	1	0	1	5	8	4	1	5
Nawabshah	0000	124	1007·0		1011·5	61·8	54·5	47·1	11·2		60		0·7		2	1	1	0	6	1	1	2	17
	0300		1009·0		1013·5	66·7	57·5	48·9	12·0		54		1·3		3	2	1	0	7	0	1	4	13
	1200		1005·8		1010·1	93·7	66·1	41·4	9·5		18		1·2		1	3	2	0	3	7	4	6	5
Sukkur	0300	221	1004·8	+0·6	1012·7	67·3	58·0	49·9	11·7	−0·2	54	+1	2·0	+0·7	2	4	7	8	1	2	0	1	6
	1200		1001·7		1009·2	89·4	66·3	48·0	11·5		24		2·0		4	4	0	0	2	7	1	3	10
Kashmore *	0000	255																					
	0300																						
	1200																						
Jacobabad	0000	183	1004·4		1011·0	65·5	54·8	43·7	9·9		45		0·7		1	2	11	4	1	1	1	5	5
	0300		1006·3	+0·9	1012·9	68·1	56·2	44·2	10·1	−2·4	42	−13	2·2	+0·4	4	5	10	3	1	0	0	2	6
	1200		1003·2		1009·6	91·2	64·9	41·4	9·1		18		1·9		0	2	2	3	13	3	1	3	4
JUNAGADH.																							
Veraval (R)	0000	26																					
	0300																						
	1200																						
Jalalabad (R)	0000	1950																					
	0300																						
	1200																						
ARABIA.																							
Muscat	0300	20	1012·5		1013·2	74·6	68·0	63·8	20·4		70		0·8	−1·0	1	0	0	0	0	1	0	12	17
	1200		1011·2		1011·9	78·2	71·4	67·7	23·2		70		0·7		7	2	10	0	0	0	1	10	1

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

TABLE II—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF MARCH, 1958.

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	oktas									
HILL STATIONS																							
KASHMIR.																							
Srinagar (x)	0000	—																					
	0300																						
	1200																						
Gulmarg (x)	0300	8709																					
	1200																						
Gurez (x)	0300	—																					
	1200																						
Sonemarg (x)	0300	—																					
	1200																						
Dras (x)	0300	—																					
	1200																						
Kargil (x)	0300	—																					
	1200																						
Leh (x)	0000	—																					
	0300																						
	1200																						
Skardu (x)	0000	7250																					
	0300																						
	1200																						
Misgar	0000	10190	*		*	24·1	23·1	21·1	3·8		89		2·7		0	0	0	0	0	0	0	0	31
	0300		699·9	—	3101·6	26·6	25·5	23·2	4·2	—	89	—	2·9	—	0	0	0	0	0	0	0	0	31
	1200		696·7		3065·6	41·4	34·5	24·3	4·6		51		2·7		1	0	7	2	1	0	1	0	19
Aliabad (x)	0300	—																					
	1200																						
Gilgit (x)	0000	4950																					
	0300																						
	1200																						
RAWALPINDI.																							
Murree	0000	7113	(x)		—	—																	
	0300		784·8	+0·9	1506·5	45·2	38·0	27·6	5·2	—0·4	51	—2	4·3	+0·7	0	10	3	10	0	0	0	5	3
	1200		784·7		1497·2	51·7	43·8	35·1	6·9		53		5·8		0	1	2	6	0	0	2	14	6

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

TABLE II—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF MARCH, 1958.

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 7850 / 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	Total Cloud Amount: Departure from normal	Wind Direction Number of Observations From :— N	NE	E	SE	S	SW	W	NW	Calm
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas	oktas									
PESHAWAR.																							
Drosh	0000	4806	856·1		1522·9	45·6	40·2	32·2	6·3		61		4·1		0	1	0	0	0	1	0	0	29
	0300		857·2	+1·9	1533·5	46·3	41·1	34·0	6·7	+0·4	62	—5	4·6	+0·8	0	3	0	0	0	0	0	0	28
	1200		854·1		1504·2	60·7	47·5	30·5	5·9		33		6·1		0	6	0	0	0	7	0	0	18
Cherat	0000	4272	(x)		—	—																	
	0300		870·6	−0·6	1500·6	53·5	46·5	38·5	8·0	+1·0	57	+1	*	—	20	0	0	0	0	0	1	7	3
	1200		870·1		1498·5	60·4	51·2	41·4	9·1		52		*		9	2	2	1	3	0	1	10	3
Kakul	0000	4214	872·6		1499·5	49·4	43·9	37·6	7·6		63		3·5		5	3	4	1	1	1	3	13	0
	0300		873·8	—	1512·4	52·2	44·7	39·0	7·1	—	53	—	4·8	—	5	3	3	2	1	0	3	14	0
	1200		872·5		1504·3	62·4	52·0	41·9	9·1		41		6·3		0	2	1	4	5	2	8	9	0
Balakot (R)	0000	3226																					
	0300																						
	1200																						
Landikotal	0000	3503	*		*	48·0	44·9	41·1	8·9		78		1·6		3	2	0	0	1	0	0	1	24
	0300		895·8	—	1501·9	52·4	47·2	41·2	9·0	—	67	—	2·7	—	2	1	0	0	0	1	0	1	26
	1200		894·5		1499·4	64·0	51·8	38·5	8·2		41		4·2		7	0	0	4	4	1	0	8	7
D. I. KHAN.																							
Parachinar	0000	5673	*		*	42·3	38·8 (e)	34·1 (e)	7·4		81		1·1 (c)		28	0	0	0	0	0	2	0	0 (g)
	0300		*		*	42·7	39·1 (e)	34·5 (e)	6·8	+1·8	73	+13	1·3 (c)	−2·0	0	0	0	0	0	0	0	0	24
	1200		*		*	59·3	47·8	35·9	8·6		58		3·6		0	0	0	30	0	0	0	0	1
Miranshah	0000	3026	909·3		1477·2	53·0	47·4	41·7	9·3		65		1·2		0	0	1	0	0	1	0	0	29
	0300		911·7	—	1504·3	55·8	50·3	44·6	10·6	+3·2	67	+8	1·2	−1·3	0	3	0	0	0	0	0	0	28
	1200		909·7		1502·4	68·1	57·4	49·9	12·4		51		2·8		0	15	4	2	0	0	0	0	10
Wana	0300	4503	863·8	—	1504·2	47·2	43·0	38·3	7·8	+1·1	69	+2	1·6	−1·0	0	0	0	0	0	0	0	0	31
	1200		861·4		1490·0	66·8	50·9	30·9	6·5		28		2·9		0	2	7	10	4	2	2	2	2
QUETTA.																							
Fort Sandeman	0300	4614	861·5	+1·9	1517·2	52·7	45·6	36·6	7·6	+1·1	57	−10	2·4	+0·1	0	0	1	0	1	2	0	0	27
	1200		859·4		1500·2	71·3	51·3	24·4	4·8		18		4·9		0	0	0	0	5	9	6	0	11
Hindubagh	0000	5909	821·3		1517·4	41·8	37·1	30·9	5·8		65		1·3		0	0	0	0	0	0	12	0	19
	0300		822·3		1525·2	45·7	40·2	33·4	6·5		63		1·8		0	0	0	0	0	0	17	1	13
	1200		820·4		1496·1	65·2	51·4	38·0	8·1		38		3·1		0	0	1	0	1	0	29	0	0
Loralai	0000	4699	856·7		1496·5	47·4	42·0	34·6	7·0		62		1·6		0	0	0	0	0	2	17	8	4
	0300		857·6		1504·4	46·7	41·6	34·6	6·9		63		2·7		1	0	0	0	0	1	16	8	5
	1200		855·5		1487·2	70·1	54·2	37·7	8·0		31		4·2		0	0	3	8	3	11	4	2	0

(R) Register not received. (*) Data rejected. (x) Data not available. (e) Mean for 30 days. (c) Mean for 26 days. (g) Data for 24 days.

TABLE II—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF MARCH, 1958.

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 f 700 mrds. pressure level in G.P.M.	Dry bulb.	Wet bulb.	Dew point.	Vapour pressure.	Departure from normal.	Relative humidity.	Departure from normal.	Mean amount.	Departure from normal.	N	NE	E	SE	S	SW	W	NW	Calm.
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas	oktas									
QUETTA—Contd.																							
Harnai	0300	2861											0·8		0	0	0	0	0	1	30	0	0
	1200												1·8		0	0	26	1	1	0	3	0	0
Quetta (Samungli)	0000	5213	(a) 841·6		1505·1	41·7	(b) 38·6	35·1	6·8		78		2·3		0	2	9	10	1	1	1	0	7
	0300		842·5		1513·2	46·1	42·3	38·1	7·8		74		2·9		1	2	5	10	2	1	1	1	8
	1200		(a) 840·5		1489·3	(a) 66·9	(a) 56·1	48·0	11·5		51		3·8		3	0	0	6	1	7	9	5	0
Quetta	0300	5490	833·3	—0·4	1509·9	50·3	45·3	37·9	8·2	+1·7	69	+2	3·1	+0·4	0	2	0	3	11	3	0	0	12
	1200		831·6		1485·0	65·7	52·9	39·0	8·2		43		3·2		3	2	0	1	4	9	6	4	2
Chaman	0000	4311	869·4		1502·5	56·0	45·9	33·0	6·4		42		0·5		0	30	1	0	0	0	0	0	0
	0300		870·4	+1·0	1511·2	58·7	47·8	33·3	7·0	+0·3	41	—13	2·1	—0·9	0	1	3	20	2	1	1	0	3
	1200		868·4		1498·0	71·5	54·8	36·5	7·9		29		4·0		2	1	0	4	2	11	5	4	2
KALAT (North).																							
Kalat	0000	6616	800·9		1526·6	39·3	34·0	30·6	4·9		59		0·2		0	0	0	4	5	0	0	0	22
	0300		802·1	+2·4	1533·7	47·2	39·9	30·5	5·0	0·0	52	—7	0·3	—1·9	2	1	0	5	15	0	1	0	7
	1200		800·1		1500·1	62·0	46·6	27·5	5·4		28		0·7		4	1	0	6	8	3	3	6	0
Nushki	0000	3416	903·8		1558·3	63·2	48·8	30·0	6·1		30		0·1		6	13	5	2	2	0	0	2	1
	0300		904·3		1561·9	62·4	48·0	29·0	5·7		29		0·0		6	18	4	2	1	0	0	0	0
	1200		(a) 900·0		1539·0	(a) 80·0	(a) 54·5	21·0	4·7		12		(a) 0·3		6	3	0	0	(a) 5	7	1	8	0
Dalbandin	0000	2785	917·2		1482·3	57·0	46·1	32·0	6·3		39		2·0		3	6	0	0	3	2	2	3	12
	0300		918·5	+0·3	1494·1	56·4	46·0	32·9	6·5	—1·5	41	—12	2·0	—0·3	1	6	2	3	3	1	0	2	13
	1200		915·6		1499·2	82·9	58·5	33·9	6·9		17		3·2		1	1	1	5	2	9	4	2	6
KALAT (South).																							
Panjgur	0000	3177	905·6		1492·4	54·0	46·6	41·0	7·8		55		0·8		0	6	0	0	0	2	0	23	0
	0300		906·6	+1·5	1505·4	56·6	46·8	35·6	7·1	—1·6	45	—18	0·5	—1·0	0	23	1	2	0	0	0	5	0
	1200		904·3		1507·2	80·2	57·7	35·2	7·1		20		0·5		1	4	0	1	0	16	6	3	0
AFGHANISTAN.																							
Kabul	0300	5955	825·9	—	1577·8	44·7	40·2	33·7	6·9	+2·2	70	+4	4·4	+0·9	0	0	2	1	5	4	9	0	10
	1200		823·3		1549·2	56·1	46·3	34·5	7·2		44		5·2		6	0	2	1	3	3	5	3	8
Kandahar	0300	3462	901·6	—	1542·2	52·6	45·8	37·3	7·8		57	—	2·7		2	4	3	3	0	1	0	0	18
	1200		899·2		1538·2	72·1	55·1	38·0	8·0		29		2·9		2	2	1	0	2	12	4	1	7

(a) Mean for 30 days. (b) Mean for 29 days.

TABLE III—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF MARCH, 1958.

Division and Station.	Maximum Temperature of the Air °F				Minimum Temperature of the Air °F				PRECIPITATION (Inches).						Wind Velocity (Knots).		Weather Number of Days.				
	Mean.	Departure from normal.	Highest.	Date.	Mean.	Departure from normal.	Lowest.	Date.	Total of the month.	Departure from normal	Heaviest fall in 24 hours.	Date.	Days with 0·10" or more.	Departure from normal.	Mean.	Departure from normal	Thunder heard.	Hail.	Visibility Code Figure 93 or Less. Fog.	Haze (dust)	Dust Storm
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
CHITTAGONG																					
Cox's Bazar (P.T.)	88·1	+1·8	73	3,26	67·1	−2·7	62	9	0·32	−1·17	0·32	31	1	−0·5	2·5	−0·2	1		7		
Chittagong (Patenga)	87·0		95	26	69·1		62	10	2·24		2·24	31	1		x		2		6		
Chittagong	92·0	+4·9	98	25,26	68·7	+1·5	62	7,8	2·20	−0·26	2·20	31	1	−1·5	5·1	−0·3	2		7		
Maijdi Court	90·8	+4·2	98	26	67·2	−3·3	58	8	0·90	−1·47	0·90	31	1	−2·1	x				2		
Comilla	92·6	+2·9	100	27,28,29	66·3	−0·8	59	7	1·74	−1·27	1·50	30	2	−1·5	0·6	−2·8	1		3		
Brahmanbaria...	92·1	+2·1	101	26	65·8	+1·8	59	7	0·80	−2·23	0·72	30	1	−2·7	2·3		2		1		
Srimongal	91·6	+1·4	100	29	58·4	−3·1	50	7	0·53	−2·86	0·51	1	1	−3·9	1·4	−1·9	3		3		
Sylhet	90·3		97	6 days	64·2		59	7	1·21		1·12	30	2		x		3				
DACCA																					
Mymensingh	91·4	+3·4	100	27	65·4	+0·7	59	7	0·04	−1·80	0·03	31	0	−3·0	2·6	−1·0	2				
Narayanganj	93·9	+4·1	102	27,28	68·3	+0·2	59	7	0·29	−2·10	0·17	31	2	−1·2	2·2	−0·6	1				
Dacca (Tejgaon)	93·3		103	27	65·7		55	7	0·18		0·14	31	1		4·1		3		2		
Faridpur	93·4	+4·1	102	27	64·7	−1·1	56	7	1·36	−0·74	1·35	31	1	−1·9	2·2	−1·1	2				
Barisal (R)																					
RAJSHAHI																					
Khulna	95·0	+3·4	103	27,28	70·0	+1·6	60	7	0·51	−1·13	0·51	29	1	−1·3	x				4		
Satkhira	95·7	+2·0	103	27,28	68·8	+0·9	57	7,8	0·82	−1·02	0·82	1	1	−1·5	2·0	−0·1					
Jessore	95·5	+3·6	103	27	64·9	+0·1	54	7	0·00	−1·93	0·00	0	0	−2·9	2·6	+0·8	1		6		
Pabna	x				x				0·30	−0·91	0·25	4	1	−0·9	x						
Serajganj	93·3		102	28	64·0		58	6,7	0·77	−0·51	0·44	1	3	+0·9	2·1		2		2		
Rajshahi									0·00	−1·17	0·00	0	0	−1·8							
Bogra (P.B.O)	94·9	+4·2	104	28	62·9	−0·1	55	14	0·00	−1·14	0·00	0	0	−2·0	3·0	+1·2					
Dinajpur	90·7	+1·5	102	28,29	61·7	+0·8	53	6	0·62	−0·07	0·62	1	1	−0·4	1·2	−1·2					
Rangpur	92·0		100	29	61·7		52	10	0·42	−0·58	0·42	1	1	−0·6	2·4		1				

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

TABLE III—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF MARCH, 1958.

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" 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
KASHMIR																					
Jammu (x)																					
LAHORE																					
Lahore (P.B.O)	84·5	+1·9	98	28	57·7	+4·5	45	4	0·33	—0·46	0·15	3	2	+0·1	2·8	+0·9	3	0		0	1
Lahore (Cantt.)	84·3	—	97	28	56·6	—	45	4	0·34	—	0·30	12	1	—	4·1	—	4	1	0	0	1
Lahore (Walton)	85·1	—	99	28	56·0	—	43	4	0·44	—	0·24	12	3	—	5·5	—	3	0	0	0	1
Sialkot	83·8	+3·7	97	28	55·6	+1·4	45	4,5	1·01	—0·50	0·42	4	3	—0·2	1·9	+0·4	0	0	0	0	2
RAWALPINDI.																					
Jhelum	82·4	—	96	28	54·4 (a)	—	42	4	1·52	—	0·86	12	4	—	2·8	—	6	0	0	0	1
Chaklala	75·7	—	90	28	50·1	—	40	4,5	3·74	—	1·32	12	4	—	5·3	—	9	0	0	0	0
Rawalpindi	76·7	+1·6	92	28	51·2	+0·8	41	4	4·20	+1·53	1·39	12	5	+0·3	x	—	3	0	0	0	0
Khushab	83·8	+2·5	97	27,28	57·1	+1·3	46	4,5	11·0	+0·06	0·77	3	2	—0·5	3·1	—0·6	3	0	0	0	0
Sargodha (R)																					
MULTAN.																					
Lyallpur	83·5	+1·9	95	27,28	55·8	+2·2	43	4	0·25	—0·31	0·25	4	1	—0·6	2·7	+0·8	2	0	1	0	0
Montgomery	85·2	+1·4	97	28	56·8	+0·8	43	5,6	0·00	—0·42	0·00	—	0	—1·3	1·6	—1·5	2	0	0	0	0
Multan (P.B.O)	87·1	—	100	28	57·9	—	49	3,5	0·00	—	0·00	—	0	—	2·2	—	1	0	0	0	0
Multan (Surf)	87·3	+3·4	100	29	61·4	+4·2	51	3	0·00	—0·40	0·00	—	0	—1·0	2·4	+0·9	1	0	0	0	0
BAHAWALPUR.																					
Leiah (R)																					
Khanpur (Surf)	92·3	+5·4	101	23,28	*	—	—	—	0·00	—0·38	0·00	—	0	—0·9	3·4	—0·6	0	0	0	0	0
Khanpur (P.B.O)	90·7	—	100	26,28	56·7	—	43	4	0·01	—	0·01	25	0	—	4·4	—	1	0	0	0	1
Bahawalpur	89·3 (a)	+3·7	102	27	58·5	+3·3	49	4,5	0·00	—0·40	0·00	—	0	—0·9	1·9	—0·7	0	0	0	0	0
Fort Abbas	91·5	—	102	27,28	57·0	—	44	4,5	0·00	—	0·00	—	0	—	3·9	—	0	0	0	0	0

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

TABLE III—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF MARCH, 1958.

Division and Station.	Maximum Temperature of the Air °F				Minimum Temperature of the Air °F				PRECIPITATION (Inches).						Wind Velocity (Knots).		Weather Number of Days.				
	Mean.	Departure from normal.	Highest.	Date.	Mean.	Departure from normal.	Lowest.	Date.	Total of the month.	Departure from normal.	Heaviest fall in 24 hours.	Date.	Days with 0·10" or more.	Departure from normal.	Mean.	Departure from normal.	Thunder heard.	Hail.	Visibility Code Figure 93 or Less. Fog.	Haze (dust)	Dust Storm.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
PESHAWAR.																					
Chakdara	72·7	—	86	28	48·1	—	38	4	3·42	—	1·20	3	7	—	x	—	1	0	0	0	0
Peshawar	76·5	+1·7	90	27,28	52·8	+0·4	41	4	1·77	—0·67	0·92	3	3	—1·6	2·6	+0·8	9	1	0	0	1
Risalpur	77·8	—	93	28	49·0	—	39	4	4·75	—	2·73	12	5	—	3·1	—	6	0	0	0	2
Haripur	76·3	—	90	29	50·2	—	41	6,12	2·16	—	1·44	12	3	—	(c) 4·5	—	0	0	0	0	0
Campbellpur	*	—	*		51·1	—	40	4	1·43	—	0·54	12	5	—	3·1	—	0	0	0	0	0
D. I. KHAN.																					
Kohat	77·2	—	92	28	56·9	—	43	3	2·66	—	0·80	3	8	—	4·8	—	10	1	0	0	1
Bannu	78·1	+0·1	90	27,28	56·3	+3·4	41	3	2·78	+1·20	1·58	3	5	+1·3	2·6	—	6	1	0	0	0
D. I. Khan	85·4	+3·6	98	28	57·7	+2·7	44	4	0·33	—0·63	0·20	12	1	—1·3	1·3	—0·2	0	0	0	0	0
QUETTA																					
Sibi	91·7	+5·7	103	28	61·1	+1·7	50	4	0·20	—0·12	0·18	12	1	+0·1	0·9	—2·2	0	0	0	0	0
KALAT (North)																					
Nokkundi	87·7	+9·6	96	22,24	57·6	+5·8	42	3	0·00	—0·12	0·00		0	—0·6	x		0	0	0	0	0
KALAT (South)																					
Turbat	95·4		104	23	x				0·00		0·00		0		x		0	0	0	0	0
Jiwani	84·3		91	24,29	66·6		62	1	0·00		0·00		0		x		0	0	1	0	0
Pasni	87·4	+2·8	99	24	63·5	+1·6	59	3,8	0·00	—0·51	0·00		0	—0·7	7·0	+1·5	0	0	7	0	0
Ormara	85·5	+3·6	94	30	67·1	+1·7	60	6,7	0·00	—0·23	0·00		0	—0·7	8·4	+0·7	0	0	1	0	0
Lasbela	98·1	+9·2	106	24	61·3	+4·3	51	1,2	0·00	—1·03	0·00		0	—1·4	*		0	0	0	0	0

(*) Data rejected. (x) Data not available. (c) Mean for 26 days.

TABLE III—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF MARCH, 1958.

Division and Station	Maximum Temperature of the Air °F				Minimum Temperature of the Air °F				PRECIPITATION (Inches).						Wind Velocity (Knots).		Weather Number of Days.				
	Mean.	Departure from normal.	Highest.	Date.	Mean.	Departure from normal.	Lowest.	Date.	Total of the month.	Departure from normal.	Heaviest fall in 24 hours.	Date.	Days with 0·10" or more.	Departure from normal.	Mean.	Departure from normal.	Thunder heard.	Hail.	Visibility Code Figure 93 or Less. Fog.	Haze (dust)	Dust Storm.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
FEDERAL CAPITAL AREA.																					
Karachi (Manora)	86·3	+4·5	94	21	68·2	+0·1	64	2,4,11	0·00	—0·29	0·00		0	—0·6	x		0	0	0	0	0
Karachi (Mauripur)	88·2		102	23	67·6		60	2	0·00		Tr	22	0		x		0	0	4	0	0
Karachi (City)	87·8		103	24	68·4		51	2	0·00		0·00		0		4·6		0	0	0	0	0
Karachi (P.A.F)	90·0		101	23	67·1		59	2	0·00		0·00		0		7·7		0	0	3	0	0
Karachi (Airport)	91·3		102	23	64·9		55	2	0·00		0·00		0		5·1		0	0	3	0	0
HYDERABAD.																					
Badin	97·9	+6·2	106	17,23,27	62·4	+0·7	50	5	0·00	—0·15	0·00		0	—0·2	3·7		0	0	0	0	0
Nagarparkar (h)									0·00		0·00		0		x		0	0	0	0	0
Umarkot	97·6		105	4 days	62·9		52	3	0·00		0·00		0		3·7		1	0	1	0	0
Chhor	97·0		104	4 days	59·9		48	4	0·00		0·00		0		3·0		0	0	1	0	0
Hyderabad	97·0	+4·5	105	23	65·0	+1·2	55	4	0·00	—0·20	0·00		0	—0·4	4·2	—0·1	0	0	0	0	0
KHAIRPUR.																					
Pad Idan	93·7		102	27,28	57·5		44	3	0·00		0·00		0		5·0		0	0	0	0	0
Nawabshah	95·5		103	23	59·2		47	2,3,4	0·00		0·00		0		3·8		0	0	0	0	0
Sukkur	91·5	+3·6	99	4 days	62·9	+3·3	53	2,3,6	0·00	—0·24	Tr	11	0	—0·9	2·8	—0·5	0	0	0	0	0
Kashmore	*				*				0·00		0·00		0		x		*				
Jacobabad	92·4	+2·8	102	28	63·0	+2·4	49	4	0·01	—0·21	0·01	11	0	—0·7	5·8	+1·8	0	0	0	0	0
JUNAGADH																					
Veraval (R)																					
AFGHANISTAN																					
Jalalabad (x)																					
ARABIA.																					
Muscat	80·2	—0·8	86	20,29,30	72·0	+0·1	68	1,4,18	0·00	—0·40	0·00		0	—1·1	2·6	—1·0	0	0	0	0	0

(R) Register not received. (*) Data rejected. (x) Data not available. (h) Mean for 23 days.

TABLE III—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF MARCH, 1958.

Division and Station.	Maximum Temperature of the Air °F				Minimum Temperature of the Air °F				PRECIPITATION (Inches).						Wind Velocity (Knots).		Weather Number of Days.				
	Mean.	Departure from normal.	Highest.	Date.	Mean.	Departure from normal.	Lowest.	Date.	Total of the month.	Departure from normal.	Heaviest fall in 24 hours.	Date.	Days with 0·10" or more.	Departure from normal.	Mean.	Departure from normal.	Thunder heard.	Hail.	Visibility Code Figure 93 or Less. Fog.	Haze (dust).	Dust Storm
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
HILL STATIONS																					
KASHMIR.																					
Srinagar (x)																					
Gulmarg (x)																					
Gurez (x)																					
Sonemarg (x)																					
Dras (x)																					
Kargil (x)																					
Leh (x)																					
Skardu (x)																					
Misgar	45·2	—	59	28	21·5	—	12	5·6	0·25	—	0·13	30	1	—	3·9	—	0	0	3	0	0
Aliabad (x)																					
Gilgit (x)																					
RAWALPIDI																					
Murree	55·5	—0·1	69	27,28	41·1	+3·3	27	3	6·02	+1·21	2·16	10	7	—0·3	7·0	+1·8	6	3	4	0	0
PESHAWAR.																					
Drosh	65·5	+7·4	82	28	43·4	+9·0	34	4	4·75	+1·02	1·19	28	7	—0·4	2·7	—0·4	0	0	0	0	0
Chitral	66·7	+5·5	78	27	*	—	*	—	2·92	—1·37	0·91	12	8	+2·4	*	—	0	2	3	0	0
Kakul	71·0	—	80	28	47·3	—	33	3	5·33	—	1·72	10	7	—	x	—	9	2	2	0	0
Balakot																					
Landikotal	66·7	—	82	28	44·6	—	30	4	3·64	—	1·76	28	5	—	1·9	—	3	0	2	0	0

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

TABLE III—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF MARCH, 1958.

Division and Station	Maximum Temperature of the Air °F				Minimum Temperature of the Air °F				PRECIPITATION (Inches).						Wind Velocity (Knots).		Weather Number of Days.				
	Mean.	Departure from normal.	Highest.	Date.	Mean.	Departure from normal.	Lowest.	Date.	Total of the month.	Departure from normal.	Heaviest fall in 24 hours.	Date.	Days with 0·10" or more.	Departure from normal.	Mean.	Departure from normal.	Thunder heard.	Hail.	Visibility Code Figure 93 or Less. Fog.	Haze (dust)	Dust Storm.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
HILL STATIONS—Contd.																					
D. I. KHAN.																					
Parachinar	(e) 66·1	+6·3	74	27,28,29	(c) 34·5	—4·1	22	11,14	8·50	+4·16	3·00	3	6	—2·3	x		0	0	0	0	0
Miranshah	72·4	+5·1	85	27,28	50·5	+2·8	35	3	1·99	—0·55	0·59	3	6	+0·6	2·7	—2·0	0	1	0	0	0
Wana	70·0	+4·3	80	26,27,28	42·7	+2·7	31	4,5	1·10	—0·83	0·59	10	2	—1·9	0·9	—	3	0	0	0	0
QUETTA.																					
Fort Sandeman	73·8	+3·9	89	18	45·0	+0·2	31	4	0·90	—0·48	0·49	11	2	—1·6	1·5	—1·5	0	0	0	0	0
Hindubagh	67·3		76	26	40·8		29	2	0·82		0·60	11	2		5·2		0	0	0	0	0
Loralai	72·1		80	23	41·9		31	3	0·75	—0·55	0·61	11	2	—1·1	3·9		2	0	0	0	0
Harnai									0·80	—0·61	0·80	11	1	—1·9	x		0	0	0	0	0
Quetta (Samungli)	(a) 69·1		76	22,23	(b) 37·9		27	1	0·76		0·42	11	2		5·4		1	0	0	0	0
Quetta	*				40·6		32	1,2	0·92		0·51	11	2		5·3	+2·5	0	0	0	0	0
Chaman	73·6	+7·1	85	24	51·8	+5·8	35	2,3	0·31	—1·18	0·31	28	1	—3·0	x		0	0	0	0	1
KALAT (South)																					
Kalat	64·5	+3·8	73	25,26	37·7	+1·7	20	3	0·10	—0·95	0·05	11,19	0	—3·0	4·3	—0·5	0	0	0	0	0
Nushki	81·9		90	24	57·6		39	4	0·12		0·12	11	1		x		0	0	0	0	1
Dalbandin	84·7	+6·9	92	24	51·7	+4·0	35	3	0·06	—0·34	0·06	11	0	—1·4	3·6	—0·4	1	0	0	1	1
KALAT (South)																					
Panjgur	81·1	+3·0	88	23,24	50·0	—0·2	40	9	0·00	—0·60	0·00		0	—1·3	4·0	—0·7	0	0	0	0	0
AFGHANISTAN.																					
Kabul	55·7	+2·9	71	27	37·0	+3·4	29	4	4·45	+0·86	0·97	7	7	—0·1	0·8	—1·8	5	0	0	0	1
Kandahar	76·1	—	87	26	47·0	—	32	3	0·37	—	0·25	28	2	—	1·8	—	1	1	1	0	2

(*) Data rejected. (x) Data not available. (a) Mean for 30 days. (b) Mean for 29 days. (c) Mean for 26 days.

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PAKISTAN WEATHER REVIEW 1958

Monthly Weather Report

April.

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Chief Features.—1. Heat wave over the northern parts of West Pakistan between the 24th and the 26th.

2. Pronounced wet weather in East Pakistan on the 1st and the 19th.

West Pakistan.—Although eleven western disturbances influenced the weather over the region during the month, most of these were feeble and the month was on the whole dry and hot.

Two western disturbances moved in close succession in the beginning of the first week, the first across the north of Kashmir and the second across the northern divisions of West Pakistan. They caused fairly widespread thunderstorms or showers in D. I. Khan and Rawalpindi divisions, local in Peshawar and Multan divisions and scattared elsewhere over the region outside south Kalat and Hyderabad divisions and the Federal Capital Area between the 1st and the 3rd.

Thereafter, towards the end of the first week and till the earlier part of the second week, four western disturbances moved in close succession across the north of the region. They caused local thunderstorms or showers in Peshawar division and scattered in D. I. Khan and Rawalpindi divisions between the 6th and the 10th.

Under the influence of another four western disturbances which moved in close succession across the northern half of the region during the third week, mainly scattered thunder-rain activity occurred over the region outside south Kalat and Khairpur divisions and the Federal Capital Area between the 15th and the 22nd.

A heat wave gripped the northern parts of the region between the 24th and the 26th and temperatures became 10-18°F above normal during the period.

A western disturbance which moved thereafter across Kashmir between the 25th and the 27th and a low which closely followed it and moved northeastwards across Rajasthan during the next three days caused local thunder-rain activity in Peshawar and Rawalpindi divisions and entered in Lahore, Multan and Bahawalpur divisions during the last days of the month.

Significant amounts of rainfall recorded were Drosh 1¼" on 8th and the 20th and Murree 1" on the 23rd.

The total rainfall during the month was in large defect over the region outside Peshawar and D. I. Khan divisions where it was normal. Averaged over the region, it was in moderate defect.

The mean maximum and mean minimum temperatures were above normal every where except in the Federal Capital Area and the Hyderabad divisions where the mean minimum temperature was normal.

The mean relative humidity was in excess in the Hyderabad division, normal in the Lahore, Rawalpindi, Bahawalpur, Peshawar and D. I. Khan Divisions and the Federal Capital Area and in defect elsewhere. Skies were more clouded than usual in the Peshawar division, as usual in the Lahore, Rawalpindi, Multan and Khairpur divisions and the Federal Capital Area and less than usual elsewhere.

East Pakistan—Thunder-rain activity was frequent during the month and practically normal rain fell over the region outside Chittagong division.

A low which had begun affecting East Pakistan towards the end of the previous month moved away across Assam on the 1st after causing pronounced wet weather in Dacca and Chittagong divisions and local rain in Rajshahi division. Thereafter, except for a few thunderstorms in Chittagong division under the influence of a bordering trough, the weather remined dry over the region during the rest of the first week.

The passage of two westerly lows across West Bengal and a trough of low across East Pakistan during the second week and the beginning of the third week caused mainly scattered thunder-rain activity over the region between the 9th and the 16th. However, on the 10th and the 13th fairly widespread thunderstorms or showers occurred in Dacca division.

The weather during the later part of the third week was influenced by two westerly lows which moved in close succession across the sub-Himalyan West Bengal and caused pronounced wet weather over the region on the 19th and scattered or local thunderstorms or showers in Dacca and Chittagong divisions on the 18th and the 20th.

Thereafter, two lows moved eastwards across Assam towards the end of the month and caused fairly widespread thunderstorms or showers in Dacca division and local elsewhere over the region between the 28th and the 30th.

Principal amounts of rainfall were: Chittagong 3" and Barisal 2" on the 1st; Satkhira 2" on the 15th; Sylhet 4"; Brahmanbaria 2" on the 19th and Mymensingh 2" on the 29th.

The total rainfall during the month was normal in Dacca Division and in slight to Moderate defect in the Rajshahi and Chittagong divisions Averaged over the region it was in slight defect.

The mean maximum temperature was above normal in the Rajshahi division and normal elsewhere. The mean minimum temperature, mean relative humidity and cloudiness were all normal over the region.

Table I contains the divisional means of rainfall, temperature, humidity and cloud amount for the 15 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 APRIL, 1958.

Division.	PRECIPITATION.				DEPARTURE FROM NORMAL OF				
							0300 hrs. G.M.T.		
	Actual.	Normal.	Departure from normal.	Percentage Departure from normal.	Maximum temperature.	Minimum temperature.	Vapour pressnre.	Relative humidity.	Cloud.
1	2	3	4	5	6	7	8	9	10
	Inches	Inches	Inches		Degree	Degree	Mb.	%	
EAST PAKISTAN.									
Chittagong	3·63	6·27	—2·64	—42	+1·6	+1·9	+2·2	0	—0·3
Dacca	4·55	4·95	—0·40	—8	+1·9	+1·7	+2·0	+3	—0·1
Rajshahi	2·32	2·70	—0·38	—14	+2·0	+1·3	+1·4	—1	—0·4
Mean	3·38	4·47	—1·09	—24	+1·8	+1·6	+1·8	+1	—0·3
WEST PAKISTN									
Kashmir ×									
Lahore	0·17	0·79	—0·62	—78	+6·3	+6·7	+1·5	—5	—0·1
Rawalpindi	1·01	3·32	—2·31	—70	+5·0	+4·1	+0·8	—5	+0·2
Multan	0·00	0·36	—0·36	—100	+6·3	+5·7	+0·2	—6	—0·4
Bahawalpur	0·00	0·21	—0·21	—100	+7·7	+5·1	+1·7	+1	—1·1
Peshawar	2·83	2·87	—0·04	—1	+5·5	+4·1	+1·5	—1	+0·9
D. I. Khan	1·72	1·74	—0·02	—1	+6·8	+4·5	+1·5	—4	—0·8
Quetta	0·17	0·70	—0·53	—76	+8·2	+5·9	+1·1	—8	—0·6
Kalat	0·01	0·45	—0·44	—98	+5·5	+3·8	—0·1	—8	—0·4
Federal Capital Area	0·00	0·15	—0·15	—100	+4·6	+0·7	+2·0	+5	+0·2
Hyderabad	0·00	0·03	—0·03	—100	+4·1	+1·7	+1·8	+7	—0·9
Khairpur	0·00	0·13	—0·13	—100	+6·1	+4·2	—1·3	—7	+0·1
Mean	0·43	0·80	—0·37	—47	+5·9	+4·2	+0·9	—4	—0·4
Junagad ×									

× Data not available.

TABLE II—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURNING THE MONTH OF APRIL, 1958.

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	oktas									
CHITTAGONG.																							
Cox's Bazar (P.T.)	0300	38	1010·8	+1·5	1012·1	86·1	79·6	76·1	31·5	+2·2	74		2·1	—1·2	1	0	1	4	12	10	2	0	0
	1200		1007·2		1008·5	84·3	79·3	77·0	31·6		79	—1	2·1		0	0	0	1	10	10	7	2	0
Chittagong (Patenga)	0000	20	1009·0		1009·7	77·3	75·9	75·1	29·5		93		3·2		0	0	3	14	2	1	0	0	10
	0300		1010·9		1011·6	85·5	79·1	76·5	30·3		76		3·7		1	1	0	10	12	3	0	2	1
	1200		1006·9		1007·5	85·4	79·9	77·6	34·9		77		2·9		0	0	0	0	9	15	6	0	0
Chittagong	0300	46	1009·5	+0·6	1011·1	83·9	78·3	76·3	30·8	+2·7	77		3·8	+0·4	0	1	0	10	10	2	2	1	4
	1200		1005·7		1007·3	85·3	79·0	76·8	30·3		73	+2	2·7		0	0	0	0	4	17	9	0	0
Maijdi Court	0000	25	1008·4		1009·3	77·4	75·4	74·3	28·7		91		3·3		0	0	0	5	3	0	0	0	22
	0300		1009·9	+0·9	1010·8	85·1	78·4	75·5	30·3	—0·8	73		3·2	—0·2	0	0	0	6	7	1	0	0	16
	1200		1006·2		1007·1	86·5	79·2	76·2	31·0		71	—2	2·8		0	0	0	7	17	0	0	0	6
Comilla	0000	29	1008·3		1009·3	76·7	75·4	74·8	29·0		93		3·3		0	0	0	0	1	0	0	0	29
	0300		1009·9	+1·3	1010·9	85·2	78·8	76·2	30·3	+1·5	73		3·0	—0·5	0	0	0	0	17	0	0	0	13
	1200		1005·5		1006·5	88·6	77·4	75·8	30·3		65	+2	4·0		0	0	0	0	18	0	0	0	12
Brahmanbaria	0000	32	1007·9		1009·0	77·0	75·1	74·3	28·7		91		4·5		0	0	3	1	9	0	0	0	17
	0300		1009·6		1010·7	84·0	77·3	74·4	29·3	+3·7	73		3·6		0	0	1	3	20	1	0	0	5
	1200		1005·1		1006·2	86·5	76·4	71·5	27·1		62	+4	3·6		0	1	0	1	17	0	0	1	10
Srimangal	0000	69	1007·3		1009·7	74·3	72·0	70·8	25·2		88		3·0		0	0	1	1	1	0	0	0	27
	0300		1008·7	+0·9	1011·1	82·6	76·0	72·6	28·2	+2·2	73		3·6	+0·1	0	0	5	1	5	4	0	0	15
	1200		1004·2		1006·6	83·2	76·6	72·9	28·2		73	—4	4·3		0	0	1	0	1	2	0	0	26
Sylhet	0000	115	1005·1		1009·1	72·5	69·9	68·3	24·3		88		5·2		1	1	20	0	0	0	1	0	7
	0300		1007·1		1011·1	79·0	73·1	70·3	25·0		74		5·0		0	3	21	1	1	0	1	0	3
	1200		1002·3		1006·2	82·9	75·6	71·9	26·7		69		4·3		1	2	4	1	0	0	2	0	20
DACCA.																							
Mymensingh	0000	62	1006·9		1009·1	75·2	73·2	72·2	26·8		90		4·1		0	1	2	14	1	0	0	0	12
	0300		1008·9	+1·3	1011·1	81·3	75·9	73·3	27·7	+2·3	76		4·7	0·0	0	0	3	24	0	2	1	0	0
	1200		1003·7		1005·9	88·3	77·5	72·1	26·7		59	+2	4·3		0	0	5	14	2	2	1	0	6
Narayanganj	0000	26	1008·1		1008·9	77·7	75·0	73·6	29·0		89		4·1		0	0	5	4	14	3	1	0	3
	0300		1009·8	+1·3	1010·7	85·8	77·4	73·5	28·3	+0·4	74		3·7	—0·5	0	0	2	2	14	5	2	1	4
	1200		1005·2		1006·0	89·2	78·1	72·5	27·7		73	—1	4·7		0	0	3	2	18	1	1	0	5
Dacca (Tejgaon)	0000	27	1007·0		1008·0	76·7	74·5	73·5	28·7		90		4·2		0	0	3	8	9	5	0	0	5
	0300		1009·0		1010·0	84·8	77·3	73·8	28·8		70		4·3		0	0	1	7	11	7	2	0	2
	1200		1004·3		1005·3	88·4	77·0	71·4	25·9		57		4·2		0	0	1	8	14	5	2	0	0

TABLE II—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF APRIL, 1958.

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.pm.	Mean Temperature of the Air and Humidity. Dry bulb.	Wet bulb.	Dew point.	Vapour pressure.	Departure from normal.	Relative humidity.	Departure from normal.	Total Cloud Amount. Mean amount.	Departure from normal.	Wind Direction Number of Observations From :— N	NE	E	SE	S	SW	W	NW	Calm
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas	oktas									
DACCA.																							
Faridpur	0000	46	1006·6		1008·2	75·6	74·3	73·4	28·0		93		3·8		1	0	0	8	13	1	0	0	7
	0300		1007·9	+0·9	1009·5	83·5	77·7	74·8	29·5	+1·4	75	+6	3·8	+0·7	0	0	0	8	15	2	2	0	3
	1200		1003·7		1005·3	88·7	76·3	69·6	25·5		71		4·4		1	0	0	6	11	3	1	0	8
Barisal	0000	11	1008·2		1008·6	78·1	77·3	76·9	31·3		95		2·6		0	0	3	5	4	0	0	0	18
	0300		1010·0	+1·0	1010·4	86·0	80·9	78·0	33·9	+4·0	80	+5	3·3	—0·5	0	0	2	4	7	0	1	0	16
	1200		1006·2		1006·6	89·0	82·8	80·7	35·8		77		3·2		0	0	1	8	12	0	0	0	9
RAJSHAHI.																							
Khulna	0000	16	1007·5		1008·1	77·4	76·0	75·4	29·5		93		3·3		0	0	0	4	9	0	0	0	17
	0300		1009·7	+1·3	1010·2	84·3	79·2	77·4	31·6	+2·8	77	+5	3·4	—0·7	0	0	0	6	14	1	0	0	9
	1200		1005·5		1006·0	89·7	78·8	73·5	28·8		74		3·4		0	0	0	5	17	0	0	0	8
Satkhira	0000	16	1007·7		1008·2	77·8	75·9	74·5	29·7		91		1·0		0	0	0	0	0	12	0	0	18
	0300		1009·7	+1·4	1010·2	86·6	79·2	78·9	30·5	+1·3	71	+1	2·1	—0·9	0	0	0	2	4	16	0	2	6
	1200		1006·4		1006·9	90·3	79·5	74·8	30·4		60		1·4		0	0	0	1	7	15	0	0	7
Jessore	0000	26	1006·6		1007·5	76·6	75·0	74·3	29·0		93		3·0		0	0	4	5	19	2	0	0	0
	0300		1008·5	+0·6	1009·4	84·3	78·7	76·1	30·8	+2·0	77	—4	3·7	+0·4	0	0	1	7	18	3	1	0	0
	1200		1004·6		1005·5	90·5	77·3	70·6	26·3		54		3·3		0	0	3	4	21	0	2	0	0
Pabna	0000	48	×		×	75·5	73·2	71·8	26·1		88		3·0		0	2	3	8	8	0	0	0	9
	0300		1007·5		1009·1	84·0	76·4	72·8	27·8	+0·3	69	—3	3·4		0	2	1	12	9	5	0	1	0
	1200		1002·7		1004·3	90·4	75·8	67·8	23·6		49		3·5 (c)		0	0	1	12	5	8	0	0	4
Sirajganj	0000	49	1004·9		1006·6	75·5	73·6	72·9	26·8		90		4·0		0	0	1	7	0	0	0	0	22
	0300		1007·7		1009·4	83·2	75·9	72·8	26·7	—	69		3·9		0	0	5	5	9	0	0	0	11
	1200		1002·5		1004·2	87·3	76·4	68·6	25·7		58		2·9		0	0	2	0	9	0	0	0	19
Rajshahi	0300												3·2										
Bogra P.B.O.	0000	65	1003·5		1007·7	75·7	71·0	68·4	24·3		79		3·1		0	0	1	6	4	1	0	0	18
	0300		1007·5	+1·0	1009·7	84·2	75·0	69·7	25·6	+0·9	64	—5	3·4	0·0	0	1	6	14	0	4	2	1	2
	1200		1002·3		1004·5	91·5	74·9	63·5	21·7		43		3·4		0	3	4	8	1	5	3	1	5
Dinajpur	0000	123	1003·3		1007·6	73·8	69·2	66·3	22·6		79		1·9		0	0	13	0	0	0	0	0	17
	0300		1005·2	+0·9	1009·4	84·0	72·9	65·7	22·7	+1·0	57	—8	2·2	—1·0	0	0	21	1	0	0	0	0	8
	1200		999·5		1003·6	93·2	73·3	59·9	18·7		35		1·1		0	0	11	0	0	0	4	0	15
Rangpur	0000					72·5	69·2	67·3	23·1		83		4·4		4	7	15	3	0	0	0	0	1
	0300					80·9	73·6	69·7	24·8		70		4·5		0	7	14	7	0	0	2	0	0
	1200					88·7	74·8	66·7	23·3		50		2·7		2	8	8	3	2	0	7	0	0

(×) Data not available.

(c) Mean for 27 days.

TABLE II—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF APRIL, 1958.

Division and Station.	Hours of observation.	Hight 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	oktas									
KASHMIR.																							
Jammu (x)	0300	1200																					
	1200																						
LAHORE.																							
Lahore P.B.O.	0000	702	982·4		1006·8	72·2	62·2	54·8	14·6		54		2·3		3	3	0	3	0	0	1	3	17
	0300		983·6	+0·2	1007·7	80·0	65·7	55·3	15.1	+1·7	43	—1	2·3	0·0	6	3	2	4	0	0	3	3	9
	1200		980·9		1004·2	97·2	70·7	52·2	13·7		22		2·6		2	2	1	2	0	1	4	12	6
Lahore (Cantt.)	0000	703	981·5		1006·0	72·2	62·6	55·5	17·9		56		2·1		4	3	3	1	0	0	0	8	11
	0300		983·0	...	1007·3	80·2	66·6	57·3	16·1	...	46	...	2·3	...	6	4	2	3	0	1	1	9	4
	1200		980·3		1003·8	97·3	71·9	55·2	15·2		25		2·5		2	2	3	2	0	2	3	15	1
Lahore (Walton)	0000	(x) 699	—		—	—	—	—	—		—		—		—	—	—	—	—	—	—	—	—
	0300		983·2	...	1007·2	79·8	67·0	58·4	16·8	...	48	...	2·0	...	3	3	3	5	1	0	1	8	6
	1200		980·5		1003·6	97·3	71·8	55·4	15·1		25		2·7		1	3	2	3	0	2	1	17	1
Sialkot	0000	830	977·6		1006·2	72·7	62·1	53·4	14·3		53		1·4		0	0	0	1	0	0	0	2	(f) 22
	0300		979·1	—0·1	1007·5	79·8	65·5	54·9	15·0	+1·3	42	—8	1·8	—0·1	1	10	0	4	0	0	0	0	(e) 11
	1200		975·9		1003·3	97·7	71·7	54·6	14·7		24		2·0		0	1	0	2	1	0	0	18	(c) 8
RAWALPINDI.																							
Jhelum	0000	765	980·2		1006·9	70·3	61·0	53·7	14·1		56		2·7		1	1	0	0	1	0	1	8	18
	0300		981·7	...	1008·0	78·2	64·4	54·1	14·5	...	44	...	2·7	...	0	2	1	2	0	0	1	14	9
	1200		978·5		1004·0	95·2	69·2	50·6	12·7		22		3·6		2	0	1	3	3	1	3	11	6
Chaklala	0000	1667	951·0		1008·6	65·5	58·2	52·6	13·6		63		2·8		2	1	1	0	0	0	6	7	13
	0300		952·3	...	1009·2	72·8	61·8	54·4	14·4	...	52	...	3·3	...	1	2	0	0	0	0	8	1	18
	1200		949·8		1004·7	89·4	66·4	50·4	12·8		27		4·2		0	1	3	4	0	1	16	2	3
Rawalpindi	0000	1675	*		*	65·8	58·3	52·3	13·6		63		(d) 1·6		4	0	0	0	1	3	3	2	17
	0300		*		*	75·9	62·5	53·5	13·9	+0·9	45	—3	3·1	+0·5	1	1	0	1	0	2	1	3	21
	1200		*		*	88·8	66·9	52·7	13·7		29		4·2		2	0	2	0	1	0	16	3	6
Khushab	0000	616	985·6		1006·9	73·6	62·0	52·9	13·7		49		1·4		6	12	4	1	0	1	2	0	4
	0300		985·1	0·0	1008·2	83·7	66·0	53·2	13·9	+0·9	36	—7	1·6	—0·6	5	10	4	1	1	0	2	0	7
	1200		983·9		1004·4	97·6	70·1	50·1	13·3		21		2·8		0	1	5	3	2	0	1	0	18
Sargodha (R)	0000	614																					
	0300																						
	1200																						
MULTAN.																							
Lyallpur	0000	605	985·5		1006·7	70·2	62·1	53·9	15·4		61		1·4		0	12	1	2	0	4	0	1	10
	0300		986·9	0·0	1007·7	78·0	64·3	54·3	14·4	+1·6	44	—2	2·3	—0·8	0	6	4	2	0	0	2	5	11
	1200		984·1		1004·3	96·9	70·1	51·2	13·0		21		2·6		1	4	2	3	2	1	4	5	8
Montgomery	0000	558	986·6		1005·6	73·5	63·6	56·3	15·7		55		1·8		1	3	1	4	0	1	0	0	20
	0300		988·1	—0·3	1007·1	76·8	65·1	56·6	15·9	+0·3	51	—5	0·8	—0·8	0	2	0	3	0	1	0	1	23
	1200		985·7		1003·5	95·7	73·1	57·8	17·7		31		1·4		0	2	1	0	0	0	0	2	25
Multan P.B.O.	0000	404	992·0		1006·1	73·7	63·1	54·6	15·0		53		1·5		5	1	2	0	2	0	0	1	19
	0300		993·8	...	1007·8	80·7	66·4	56·1	15·5	...	44	...	1·2	...	10	1	1	1	4	0	0	1	12
	1200		990·1		1003·5	100·9	71·7	51·3	13·3		20		1·6		0	2	0	0	7	5	0	2	14
Multan (Surface)	0300	413	993·7	+0·1	1007·9	81·0	65·8	54·3	15·0	—1·4	39	—12	2·0	+0·3	6	9	0	5	2	1	1	2	4
	1200		990·7		1003·8	100·2	70·9	50·2	12·6		18		2·5		4	10	0	6	1	3	0	0	6

(R) Register not received. (x) Data not available. (*) Data rejected. (c) Observations for 28 days. (d) Observations for 27 days. (e) Observations for 26 days. (f) Observations for 25 days.

TABLE II—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF APRIL, 1958.

Division and Station	Hours of observation	Hight 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	°F	oF	Mb.	Mb.	%	%	oktas	oktas									
BAHAWALPUR.																							
Leiah (R)	0000	487																					
	0300																						
	1200																						
Khanpur (Surface)	0300	297	998·2	+0·1	1008·5	80·4	67·4	58·7	17·0	+3·8	48	+6	0·0	—1·4	5	6	0	0	2	6	2	2	7
	1200		994·2		1004·0	104·0	72·9	51·7	13·6		18		0·0		2	1	0	0	1	2	5	5	14
Khanpur (P.B.O.)	0000	290	995·8		1006·0	72·1	61·7	53·9	14·1		52		0·5		1	4	0	1	0	3	1	0	20
	0300		997·1	...	1007·2	81·8	66·0	54·5	14·7	...	40	...	0·3	...	3	8	0	1	0	5	2	0	11
	1200		993·6		1003·2	102·8	71·2	47·6	11·8		17		1·4		1	0	2	0	2	7	10	3	5
Bahawalpur	0300	384	994·0	—1·0	1007·3	79·5	65·9	56·1	15·6	—0·4	45	—5	1·0	—0·8	0	0	0	0	0	0	0	0	30
	1200		991·0		1003·8	100·7	74·4	57·8	18·0		25		2·0		0	0	1	0	0	0	1	3	25
Fort Abbas	0000	475	(f) 989·4		1005·8	74·7	(h) 62·6	(h) 54·0	14·0		48		0·9		2	5	0	15	0	6	0	1	1
	0300		(h) 991·0	...	1007·1	85·3	67·7	55·5	15·2	...	37	...	0·9	...	1	4	2	9	5	5	2	0	2
	1200		987·6		1003·1	103·8	(e) 74·0	(e) 54·8	15·1		20		2·1		4	1	0	3	1	16	2	3	0
PESHAWAR.																							
Chakdara	0000	2197	933·1		1008·8	62·4	57·7	54·1	14·4		74		2·5		2	2	1	3	1	0	0	0	21
	0300		934·4	...	1009·6	65·6	59·0	54·6	14·4	...	67	...	3·3	...	1	4	2	3	0	0	2	0	18
	1200		931·3		1003·9	83·6	67·0	56·5	15·9		41		4·0		1	4	1	7	0	2	0	1	14
Peshawar	0000	1177	968·3		1009·2	66·6	(b) 60·0	(b) 54·6	14·7		66		2·6		1	0	0	1	5	13	1	0	9
	0300		969·6	+0·1	1010·1	73·7	64·4	58·0	16·4	+2·7	58	+2	3·9	+0·2	0	0	1	5	2	2	2	2	16
	1200		966·7		1006·1	86·9	67·7	54·0	14·5		24		4·0		4	11	1	1	3	1	1	5	3
Risalpur	0000	1009	973·8		1009·1	65·8	59·9	55·3	15·6		69		2·8		2	1	1	0	0	4	7	2	13
	0300		975·2	...	1010·0	73·7	63·1	54·9	15·0	...	53	...	3·2	...	1	0	0	0	0	3	17	2	7
	1200		(h) 972·0		1005·7	(b) 90·0	(b) 69·1	(b) 54·2	15·1		31		4·5		3	4	5	0	0	1	8	9	0
Haripur	0300	1757	(b) 949·6	...	(h) 1009·4	(h) 72·9	(h) 61·3	(b) 52·9	13·8	...	(b) 50	...	(h) 3·2	...	2	4	0	2	3	13	4	2	0
	1200		947·4		1005·3	88·9	*	*	*		*		3·6		0	3	1	7	2	9	0	8	0
Campbellpur	0300	1175	968·9	...	1009·4	74·3	62·5	52·9	14·5	...	50	...	3·4	...	3	11	3	4	0	1	0	2	6
	1200		966·0		1005·0	90·2	(h) 68·0	(h) 47·6	12·0		25		5·0		8	7	0	1	0	1	0	8	8
D. I. KHAN																							
Kohat	0000	1667	952·1		1009·2	71·5	59·3	50·0	12·3		46		2·3		4	5	1	0	0	1	1	16	2
	0300		953·6	...	1010·2	76·0	61·6	51·1	12·9	...	41	...	2·8	...	2	4	0	0	0	1	3	18	2
	1200		950·9		1005·9	88·6	65·3	48·6	11·9		26		4·5		5	9	2	3	2	1	4	1	3
Bannu	0000	1263	963·2		1006·8	70·0	62·1	55·5	15·4		61		0·8		4	0	0	0	0	1	18	2	5
	0300		964·1	...	1007·4	73·4	63·5	55·2	15·2	+2·2	55	+4	1·2	—0·5	4	0	0	0	2	0	13	5	6
	1200		962·0		1004·0	90·5	70·1	56·2	15·7		31		3·3		1	3	11	8	1	0	1	3	2
D. I. Khan	0000	570	*		1008·3	72·7	62·5	54·6	14·7		55		0·4		0	0	0	0	0	0	0	0	30
	0300		987·9	—0·8	1009·6	78·3	65·5	56·0	15·7	—0·3	46	—10	1·4	—0·8	0	7	0	0	0	0	0	3	20
	1200		986·7		1005·8	97·6	73·0	58·6	12·5		27		2·4		2	1	0	0	0	0	1	1	25

(R) Register not received. (*) Data rejected. (b) Mean for 28 days. (e) Mean for 26 days. (f) Mean for 25 days. (h) Mean for 23 days.

TABLE II—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF APRIL, 1958.

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	oktas									
QUETTA.																							
Sibi	0000	441	991·6		1006·8	77·3	61·6	47·7	11·7		36		0·8		0	0	0	0	0	0	1	0	29
	0300		992·4	0·0	1007·6	78·1	62·7	49·9	12·5	+2·7	38	+7	1·8	—0·1	0	0	0	0	0	0	0	1	29
	1200		989·9		1004·2	103·3	71·3	48·0	11·7		16		2·9		0	1	0	3	2	1	1	2	20
KALAT (North).																							
Nokkundi	0000	2229	932·2		1007·3	72·4	55·7	37·9	8·5		32		0·0		14	6	0	0	0	0	2	8	0
	0300		934·2		1008·8	77·5	58·5	41·4	8·8	—2·2	28	—17	0·0	—1·9	7	8	6	2	2	1	1	3	0
	1200		930·9		1002·7	96·4	63·4	33·0	6·3		11		0·0		7	2	3	5	5	2	1	5	0
KALAT (South).																							
Turbat *	0000	510																					
	0300																						
	1200																						
Jiwani	0000	185	1001·6		1008·0	75·2	72·9	71·6	26·6		89		1·3		0	0	2	1	2	7	6	2	10
	0300		1003·1		1009·5	78·5	74·1	71·8	27·0		80		2·2		3	0	7	3	1	2	8	1	5
	1200		1001·2		1007·5	86·5	75·2	69·2	24·7		57		1·6		0	0	0	2	16	9	3	0	0
Pasni	0000	28	1006·7		1007·7	73·4	70·3	68·3	23·6		85		1·2		0	1	0	1	0	0	13	7	8
	0300		1008·4	—0·3	1009·4	75·5	71·7	69·7	24·2	+0·5	82	+1	1·6	+0·2	1	0	0	0	0	1	9	9	10
	1200		1006·2		1007·2	88·1	76·4	70·6	25·7		56		1·5		0	0	0	0	6	24	0	0	0
Ormara	0000	15	1006·9		1007·4	77·0	74·7	73·5	28·3		89		2·0		0	0	0	0	0	8	11	0	11
	0300		1008·4		1008·9	79·8	75·8	73·7	28·6	+2·9	83	—1	2·8	+1·0	0	0	2	0	0	3	7	1	17
	1200		1006·8		1007·3	91·0	80·3	75·6	30·5		61		0·3		0	0	1	0	3	7	18	0	1
Lasbela	0000	292	*			77·8	71·4	67·3	23·8		71		0·0						*				
	0300		998·7	—0·7	1008·8	80·9	73·6	69·7	25·3	+3·2	69	+1	0·0	—1·4					*				
	1200		995·6		1005·7	101·9	80·5	70·6	25·7		37		0·0						*				
FEDERAL CAPITAL AREA.																							
Karachi (Manora)	0000	13	1007·2		1007·7	75·1	72·4	70·9	25·6		87		1·5		0	0	0	0	0	3	13	4	10
	0300		1008·6	—0·1	1009·1	77·1	74·5	73·1	28·0	+2·0	88	+5	2·3	+0·2	1	0	0	0	0	4	19	3	3
	1200		1006·4		1006·9	85·9	82·0	80·4	35·5		84		2·0		0	0	0	0	0	12	17	1	0
Karachi (Maoripur)	0000	52	1005·6		(b) 1007·4	(b) 76·2	(b) 74·2	(b) 73·1	28·0		91		1·2		0	0	0	0	0	4	19	4	3
	0300		1006·9		1008·8	78·2	75·4	74·2	28·8		87		2·5		1	0	0	0	0	3	19	5	2
	1200		1005·0		1006·8	85·2	78·5	75·4	30·2		73		1·5		0	0	0	0	0	23	7	0	0
Karachi (City)	0300	20	1008·1		1009·0	80·4	76·1	74·3	28·5		81		1·7		1	0	0	0	0	9	18	2	0
	1200		1005·6		1006·5	84·6	78·3	75·1	30·7		74		0·9		0	0	0	0	0	15	15	0	0
Karachi (P.A.F.)	0000	24	1006·5		1007·4	76·1	73·7	72·5	27·3		88		0·7		0	0	1	0	1	11	10	1	6
	0300		1007·9		1008·8	78·6	75·3	73·8	28·6		85		1·7		0	1	0	0	0	11	13	0	5
	1200		1005·6		1006·5	87·3	78·3	74·0	27·9		65		0·8		0	0	0	0	0	30	0	0	0
Karachi (Air Port)	0000	73	1005·1		1007·7	75·2	73·6	72·7	27·6		91		1·3		0	0	0	0	0	5	8	1	16
	0300		1006·6		1009·2	78·4	75·2	73·6	28·4		85		2·4		0	0	0	0	0	6	15	2	7
	1200		1004·3		1006·7	87·9	78·0	73·5	28·3		62		1·5		0	0	0	0	3	16	11	0	0
HYDERABAD.																							
Badin	0000	31	*			74·1	70·9	69·1	24·4		85		0·0		0	0	0	0	3	17	10	0	0
	0300		1006·0	—0·8	1007·1	76·6	68·7	63·0	20·4	—1·9	65	—1	0·0	—1·2	0	0	0	0	4	14	12	0	0
	1200		1003·7		1004·7	100·9	75·7	61·0	18·9		28		0·0		0	0	0	0	7	15	8	0	0
Nagarparkar	0000	178 (prov.)	999·4		1005·4	82·7	71·8	65·3	21·6		56		0·1		0	0	0	0	0	6	15	7	2
	0300		1000·9		1006·8	82·8	73·0	66·5	23·3		61		0·5		0	0	0	0	0	11	11	7	1
	1200		998·2		1004·0	103·1	76·4	60·8	18·9		27		0·8		0	1	0	3	0	10	8	7	1

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

TABLE II—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF APRIL, 1958.

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. (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.	oF	oF	oF	Mb.	Mb.	%	%	oktas	oktas									
HYDERABAD—Contd.																							
Umarkot	0000	55	1004·5		1006·4	74·0	72·0	70·8	25·9		90		0·0		0	0	0	0	7	18	0	0	5
	0300		1005·0		1006·9	77·2	74·0	72·3	27·2		85		0·5		0	0	0	1	6	22	0	0	1
	1200		1001·6		1003·4	104·9	76·5	59·8	18·2		24		0·0		0	0	0	0	1	19	2	4	4
Chhor	0000	19	1006·0		1006·7	72·5	68·4	65·6	21·9		81		1·1		0	0	0	0	2	19	2	0	7
	0300		1007·7		1008·4	79·3	73·5	70·5	25·6		75		1·2		0	0	0	0	1	24	3	0	2
	1200		1003·6		1004·2	103·7	73·4	53·1	14·3		19		1·4		2	0	0	0	0	18	8	1	1
Hyderabad	0000	98	1002·9		1006·3	74·8	69·6	66·5	22·6		76		0·0		0	1	0	0	4	21	0	0	4
	0300		1004·6	+1·6	1008·0	79·2	71·4	66·9	23·0	+5·5	67	+15	0·6	−0·6	0	1	0	1	4	23	0	0	1
	1200		1001·4		1004·7	102·2	72·3	51·1	13·5		19		1·0		0	0	0	0	1	25	1	0	3
KHAIRPUR.																							
Padidan	0000	153	1001·4		1006·7	72·5	62·3	53·4	14·6		55		0·6		4	1	2	5	11	0	2	0	5
	0300		1002·2		1007·5	79·2	65·0	54·0	14·5		43		1·2		0	0	1	8	14	0	2	1	4
	1200		998·7		1003·8	104·8	70·0	40·8	9·5		12		1·3		1	0	0	3	4	9	4	3	6
Nawabshah	0000	124	1001·9		1006·3	71·4	62·5	55·8	15·3		58		0·3		0	0	1	3	15	0	0	2	9
	0300		1003·6		1007·9	81·6	67·8	58·2	17·0		46		0·8		1	0	1	6	17	0	0	1	4
	1200		1000·4		1004·6	105·3	72·5	49·2	12·3		15		1·2		1	0	0	2	6	13	3	4	1
Sukkur	0300	221	999·3	−1·3	1006·9	80·9	67·1	57·4	16·5	+1·2	46	−5	1·2	−0·1	3	4	0	4	3	7	1	1	7
	1200		996·1		1003·5	101·9	72·9	53·2	14·6		21		1·5		1	1	0	0	6	10	0	2	10
Kashmore *	0000	255																					
	0300																						
	1200																						
Jacobabad	0000	183	999·0		1005·5	76·0	61·3	48·6	12·0		39		0·5		3	1	9	3	6	1	0	3	4
	0300		1001·0	−0·2	1007·4	81·8	64·6	51.1	13·0	−3·7	36	−10	1·4	+0·2	1	0	10	6	7	0	0	3	3
	1200		997·6		1003·7	104·1	71·3	46·2	11·7		15		1·9		0	0	2	5	7	8	4	1	3
JUNAGARH.																							
Veraval (R)	0000	26																					
	0300																						
	1200																						
AFGHANISTAN.																							
Jalalabad (×)	0000	1950																					
	0300																						
	1200																						
ARABIA.																							
Muscat	0300	20	1008·4		1009·1	83·0	73·9	68·6	24·5		64		0·7	−0·6	0	3	0	0	0	1	0	12	14
	1200		1007·1		1007·8	86·2	76·8	72·4	27·2		63		0·7		2	8	7	0	0	0	1	10	2
HILL STATION KASHMIR.																							
Srinagar (×)	0000	...																					
	0300																						
	1200																						

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

TABLE II—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF APRIL, 1958.

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. 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	oktas									
KASHMIR—Contd.																							
Gulmarg (x)	0300	8709																					
	1200																						
Gurez (x)	0300	—																					
	1200																						
Sonemarg (x)	0300	—																					
	1200																						
Dras (x)	0300	—																					
	1200																						
Kargil (x)	0300	—																					
	1200																						
Leh (x)	0000	—																					
	0300																						
	1200																						
Skardu (x)	0000	7250																					
	0300																						
	1200																						
Misgar	0000	10190	*		*	36·0	29·3	17·4	3·4		48		3·8		0	0	0	0	0	0	0	0	30
	0300		701·3	...	3119·1	42·3	33·0	18·0	3·5	...	38	...	3·3	...	0	0	0	0	0	0	0	0	30
	1200		698·4		3083·6	54·6	40·2	21·2	4·0		28		4·4		0	0	12	4	0	0	1	0	13
Aliabad (x)	0300	—																					
	1200																						
Gilgit (x)	0000	4950																					
	0300																						
	1200																						
RAWALPINDI.																							
Murree	0000	7113	784·4		1489·6	55·7	46·3	36·2	7·4		48		2·8		0	8	3	6	0	0	0	11	2
	0300		785·9 (b)	+1·8	1499·9 (b)	60·5 (b)	48·9 (b)	37·0 (b)	7·6	+0·5	44	—5	3·9 (b)	+0·8	4	5	3	4	1 (b)	0	4	2	7 (b)
	1200		785·2		1483·1	66·1	53·3	42·4	9·3		43		4·3		0	7	2	3	0	0	2	9	6
PESHAWAR.																							
Drosh	0000	4806	855·5		1518·1	55·0	49·1	43·0	9·5		65		3·5		0	4	2	0	0	0	0	0	24
	0300		856·4	+1·5	1527·3	57·0	50·4	43·9	9·8	+1·0	62	+3	4·6	+1·5	0	0	3	1	0	0	0	0	26
	1200		853·1		1495·1	70·9	56·0	42·0	9·3		36		5·6		0	8	1	0	0	2	0	0	19
Cherat	0000	4272	869·0		1488·4	64·2	53·9	44·5	10·1		48		*		*								*
	0300		870·1	+1·3	1499·3	65·9	54·5	44·5	9·9	+0·9	45	—9	*	—	*								*
	1200		868·9		1497·4	75·7	59·4	45·9	10·7		34		*		*								*
Kakul	0000	4214	870·9		1487·5	60·8	51·5	42·4	9·4		50		3·1		8	1	1	2	0	2	0	16	0
	0300		872·0	—	1500·5	65·2	54·6	45·1	10·3	—	49	—	4·1	—	1	2	1	2	1	1	7	12	3
	1200		870·3		1488·6	76·9	59·3	44·6	10·1		32		5·1		0	3	0	2	5	5	11	4	0
Balakot (R)	0000	3226																					
	0300																						
	1200																						
Landikotal	0000	3503	892·5		1476·5	58·1	53·4	48·8	12·1		73		2·5		5	4	0	0	1	1	0	1	18
	0300		893·3	—	1489·6	66·0	56·8	48·6	12·1	—	56	—	2·3	—	4	0	0	0	0	0	0	4	22
	1200		891·7		1484·3	77·2	60·5	46·2	11·2		35		3·4		6	2	0	2	4	3	0	7	6

(*) Data rejected. (b) Mean of 29 days. (R) Register not received. (x) Data not available.

TABLE II—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF APRIL, 1958.

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	Total Cloud Amount: Departure from normal	Wind Direction Number of Observations From :— N	NE	E	SE	S	SW	W	NW	Calm
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas	oktas									
D. I. KHAN.																							
Parachinar	0000	5673	(d) 825·7		(d) 1484·6	(c) 54·6	(c) 48·8	(c) 42·6	9·7		66		(c) 1·8		26	0	0	0	(e) 0	0	0	0	0
	0300		(d) 826·5	—0·6	(d) 1491·3	(d) 57·5	(d) 49·9	(d) 42·4	9·5	+1·1	59	+1	(d) 1·6	—1·3	0	0	0	0	0	0	0	0	(e) 26
	1200		825·5		1475·0	70·1	56·2	41·0	10·3		41		3·2		0	0	0	30	0	0	0	0	0
Miranshah	0000	3026	(m) 908·6		(m) 1483·0	(m) 62·0	(m) 54·4	(m) 47·4	11·5		61		1·2		0	3	1	1	0	1	0	0	24
	0300		908·9*	—	1493·5	70·0	59·2	51·6	13·5	+3·8	51	0	1·4	—0·7	0	4	0	0	0	2	0	2	22
	1200		906·6		1482·7	82·1	66·1	56·1	15·4		41		3·6		0	4	0	3	0	1	0	3	19
Wana	0300	4503	861·8	—	1487·3	61·9	51·8	41·8	9·1	+0·5	49	—10	1·6	—0·6	0	0	0	0	0	0	0	0	30
	1200		859·4		1468·1	79·7	56·8	32·5	7·5		18		3·2		0	2	2	8	3	4	4	0	7
QUETTA.																							
Fortsandeman	0300	4614	860·0	+1·2	1504·6	65·3	52·9	38·3	8·7	+0·7	43	—20	2·6	+0·6	0	0	1	0	1	1	0	0	27
	1200		857·5		1482·7	83·7	59·7	33·4	7·8		20		4·4		3	1	1	2	4	8	1	0	10
Hindubagh	0000	5909	820·9		1506·8	54·3	46·4	37·8	7·9		55		1·5		0	0	0	0	0	0	16	0	14
	0300		821·9		1513·3	60·0	50·3	41·4	8·9		51		0·8		0	0	0	0	1	0	13	1	15
	1200		819·7		1479·6	77·8	59·5	46·4	10·8		33		2·3		0	0	0	0	3	1	23	1	2
Loralai	0000	4699	855·0		1480·0	57·7	51·6	45·2	10·5		65		1·2		0	0	1	0	0	2	12	11	4
	0300		856·2		1492·4	58·7	52·7	46·9	11·2		66		2·1		0	0	0	0	0	0	20	7	3
	1200		853·6		1469·0	81·8	*						4·0		0	0	1	8	3	13	2	2	1
Harnai	0300												0·5		1	0	0	0	0	0	27	2	0
	1200												1·1		0	0	21	1	5	0	3	0	0
Quetta (Samungli)	0000	5213	(c) 840·6		(c) 1494·9	(c) 50·9	(c) 46·0	(c) 41·4	8·9		69		2·0		0	0	6	11	1	0	1	0	11
	0300		(b) 841·8		(b) 1504·3	(b) 58·3	(b) 51·5	(b) 45·6	10·6		64		2·3		0	1	5	7	4	0	2	0	11
	1200		839·3		1475·4	78·6	60·6	46·5	11·6		35		3·6		1	0	1	5	3	6	8	5	1
Quetta	0300	5490	832·7	—0·1	1495·0	61·4	51·9	43·8	9·6	+0·5	53	—10	2·1	0·0	0	0	0	1	7	2	0	0	20
	1200		830·3		1466·6	77·0	59·7	47·5	11·8		36		3·0		4	1	1	2	5	3	6	3	5
Chaman	0000	4311	868·1		1492·2	65·7	55·5	46·6	10·9		51		0·8		0	27	0	0	0	0	0	0	3
	0300		869·4	+1·4	1507·8	72·7	60·2	49·2	12·7	+4·0	47	+2	0·9	—1·5	0	2	1	16	1	5	0	0	5
	1200		867·1		1487·4	83·5	66·4	53·7	15·1		39		0·5		1	1	1	2	0	11	6	7	1
KALAT (North).																							
Kalat	0000	6616	801·1		1523·4	46·7	40·3	32·3	6·3		58		0·0		0	0	0	5	7	1	0	0	17
	0300		802·4	+2·8	1524·2	59·7	48·9	38·5	7·9	—1·1	46	—10	0·2	—1·6	1	1	0	6	14	1	1	0	6
	1200		800·0		1484·0	74·0	53·4	32·5	6·6		23		0·8		6	0	1	4	4	1	5	4	5
Nushki	0000	3416	901·8		1550·4	73·2	56·1	39·8	8·5		30		0·0		2	18	5	2	2	1	0	0	0
	0300		901·9		1551·6	73·0	56·0	38·6	8·5		30		0·0		5	10	12	2	1	0	0	0	0
	1200		898·0		1530·9	91·9	62·0	33·7	6·8		13		0·2		9	1	1	0	3	5	4	7	0
Dalbandin	0000	2785	914·5		1469·1	66·1	51·7	36·3	7·1		33		1·0		1	8	4	0	0	1	0	4	12
	0300		916·2	+0·4	1489·1	69·5	53·5	36·6	7·5	—1·7	30	—15	1·8	—0·1	0	5	0	0	0	0	2	2	21
	1200		913·1		1488·8	94·0	63·6	37·5	7·8		14		2·8		0	2	0	5	5	8	3	2	5
KALAT (South).																							
Panjgur	0000	3177	903·1		1479·2	62·8	53·3	44·2	10·2		52		2·5		2	17	0	0	0	2	0	9	0
	0300		904·4	+1·3	1492·5	64·8	52·3	38·3	8·5	—4·1	40	—23	0·8	—0·5	1	23	2	2	0	1	0	0	1
	1200		902·1		1495·8	90·7	63·3	39·7	8·8		18		1·4		2	2	0	1	0	11	2	9	3
AFGHANISTAN.																							
Kabul	0300	5955	824·8	—	1571·3	56·6	51·2	47·0	10·8	+3·4	70	+11	3·2	+0·2	0	0	4	1	6	0	7	1	11
	1200		823·2		1542·2	68·3	56·2	46·4	11·1		47		5·0		12	0	4	2	2	1	2	2	5
Kandahar	0300	3462	899·8	—	1535·1	62·4	55·5	50·4	12·2	—	63	—	2·2	—	1	0	2	5	1	1	0	0	20
	1200		896·9		1524·2	81·0	64·3	52·4	13·8		38		2·5		0	0	0	0	1	7	3	3	16

(*) Data rejected. (b) Mean for 29 days. (c) Mean for 28 days. (d) Mean for 27 days. (e) Mean for 26 days. (m) Mean for 18 days.

TABLE III—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF APRIL, 1958.

Division and Station.	Maximum Temperature of the Air °F				Minimum Temperature of the Air °F				Precipitation (Inches).						Wind Velocity (Knots).		Weather Number of Days.				
	Mean.	Departure from normal.	Highest.	Date.	Mean.	Departure from normal.	Lowest.	Date.	Total of the month.	Departure from normal.	Heaviest fall in 24 hours.	Date.	Days with 0·10" or more.	Departure from normal.	Mean.	Departure from normal.	Thunder heard.	Visibility Code Figure 93 or Less. Hail.	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.																					
Cox's Bazar (PT)	90·5	+1·8	94	20	75·9	+2·5	67	23	0·94	—3·26	0·94	23	1	—3·2	3·1	—0·4	2	0	0	0	0
Chittagong (Patenga)	90·1		93	16	76·5		67	23	3·04		1·56	1	2		x		3	0	0	0	0
Chittagong	90·0	+1·2	94	16,26,27	76·3	+3·1	66	1	3·57	—2·36	2·63	1	3	—2·8	6·1	—0·5	1	0	0	0	0
Maijdee Court	91·2	+2·2	97	26	76·3	—0·1	69	1,23	1·79	—3·68	0·83	23	3	—2·6	x		1	0	2	0	0
Comilla	94·3	+2·0	102	16	73·0	—0·3	66	2	3·98	—1·87	1·25	23	5	—1·5	3·9	—0·4	10	0	0	0	0
Brahmanbaria	94·1	+1·0	101	16,17	75·1	+4·9	65	17	4·26	—2·21	1·76	19	5	—1·9	3·5		3	0	0	0	0
Srimangal	93·4	+1·3	99	16	70·7	+1·4	64	19	6·03	—3·68	1·57	19	9	—0·9	1·0	—2·6	15	0	0	0	0
Sylhet	87·6		94	26	71·0		65	11	12·03		4·04	19	15		x		14	0	0	0	0
DACCA.																					
Mymensingh	93·3	+2·2	100	6	73·5	+1·8	67	19	3·08	—2·43	2·01	29	7	—0·1	2·5	+0·1	8	1	0	0	1
Narayanganj	95·2	+2·8	101	16	76·7	+2·7	69	19	2·35	—3·05	0·60	28	7	+0·3	3·6	—0·5	4	0	0	0	0
Dacca (Tejgaon)	95·5		103	16	76·0		68	19	2·75		0·90	23	7		7·3		11	0	2	0	0
Faridpur	94·6	+0·8	100	8,17	74·1	+1·1	68	1	7·70	+3·03	1·55	23	10	+3·7	5·7	—0·5	9	0	3	0	0
Barisal	93·7	+1·7	98	15,16	76·4	+1·3	68	23	5·06	+0·83	2·15	1	4	—1·3	4·3	+1·2	2	0	8	0	0
RAJSHAHI.																					
Khulna	96·1	+1·9	100	6	76·2	+0·9	69	23	4·26	+1·35	1·54	30	4	—0·2	x		0	0	2	0	0
Satkhira	97·8	+0·8	103	8	76·0	+0·4	65	15	4·83	+1·90	2·02	15	7	+3·0	3·9	+0·8	0	0	0	0	0
Jessore	98·2	+1·6	104	23	74·9	+1·3	65	23	2·82	—0·71	0·76	2	5	+0·2	3·2	+0·4	1	0	0	0	0
Pabna	97·2	+0·4	x		71·2	—0·4	x		1·72	—0·83	0·94	11	2	—2·5	x		1	0	0	0	0
Sirajganj	96·6		106	5	74·1		69	1,19	1·31	—1·96	0·46	19	4	—0·8	3·7		5	0	0	0	0
Rajshahi									1·03	0·62	1·03	28	1	+1·6							
Bogra P.B.O.	98·8	+3·2	105	15	74·3	+2·8	67	6	1·67	—0·57	1·08	29	4	+0·5	3·1	+0·7	4	0	0	0	0
Dinajpur	98·3	+4·0	105	16	73·1	+3·1	66	5	1·03	—1·11	0·81	28	2	—1·0	2·8	—0·3	2	0	0	0	0
Rangpur	93·4		100	6,7	72·1		66	4,19	2·17	—0·91	1·58	16	2	—2·4	3·2		5	0	0	0	0

(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″ 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
KASHMIR.																					
Jammu (x)																					
LAHORE.																					
Lahore (P.B.O.)	99·7	+5·2	111	25	70·8	+7·6	58	3	0·14	—0·43	0·05	3,29	0	—1·6	2·9	+0·9	5	0	0	0	3
Lahore (Cantl.)	98·7	...	110	25,27	(b) 69·9	...	57	3	0·09	...	0·05	2	0	...	3·6	...	6	0	0	0	3
Lahore (Walton)	100·2	...	111	25,27	69·1	...	57	3	0·17	...	0·08	29	0	...	5·5	...	4	0	0	0	0
Sialkot	99·9	+7·5	112	24	70·6	+5·9	57	3	0·19	—0·81	0·19	3	1	—1·1	(j) 2·5	+0·6	0	0	0	0	2
RAWALPINDI.																					
Jhelum	98·1	...	110	24	68·2	...	56	3	0·38	...	0·21	2	2	...	(c) 3·4	...	7	0	0	0	3
Chaklala	91·4	...	104	25	63·4	...	51	3	0·56	...	0·30	26	2	...	6·4	...	7	0	0	0	3
Rawalpindi	92·0	5·8	105	25	(b) 63·2	+3·9	47	13	0·38	—1·54	0·17	2	2	—2·1	[(x)	...	4	0	0	0	1
Khushab	99·8	+6·9	111	24	70·8	+4·1	57	3	0·04	—0·87	0·04	29	0	—2·1	4·0	—0·6	2	0	0	0	3
Sargodha (R)																					
MULTAN.																					
Layallpur	98·9	+6·0	109	25,26	69·1	+5·2	60	4	0·00	—0·47	0·00	...	0	—1·3	2·7	+0·5	5	0	0	0	3
Montgomery	100·9	+5·2	113	26	71·2	+4·6	59	4	0·00	—0·34	0·00	...	0	—0·9	1·7	—1·6	4	0	0	0	0
Multan (P.B.O.)	103·1	...	117	26	71·6	...	61	10	0·00	..	0·00	...	0	...	2·4	...	3	0	0	0	2
Multan (Surface)	103·1	+7·8	116	25,26	74·9	+7·4	65	10	0·00	—0·27	0·00	...	0	—0·8	2·0	+0·3	3	0	0	0	1
BAHAWALPUR.																					
Leiah (R)																					
Khanpur (Surface)	106·0	+7·3	118	25	(*)	...	...	...	0·00	—0·25	0·00	...	0	—0·5	(*)	...	1	0	0	0	1
Khanpur (P.B.O.)	104·5	...	117	24,25	69·7	...	57	4	0·26	...	0·26	2	1	...	4·2	...	1	0	0	1	5
Bahawalpur	104·5	+8·1	115	23,25	70·5	+5·1	61	3	0·00	—0·18	0·00	...	0	—0·5	1·8	—0·8	0	0	0	0	3
Fort Abbas	107·0	...	120	25	70·2	...	60	3,4	0·12	...	0·12	2	0	...	3·6	...	0	0	0	0	0
PESHAWAR.																					
Chakdara	85·2	...	99	29	59·0	...	50	3	0·90	...	0·70	2	2	...	(x)	...	0	0	0	0	0
Peshawar	89·3	+4·1	104	25	64·5	+4·0	54	3	0·63	—1·13	0·31	2	3	—0·8	3·0	+1·1	5	0	0	0	1
Risalpur	93·2	...	107	25	62·4	...	51	3	1·14	...	1·05	20	1	...	4·6	...	9	0	0	0	3
Haripur	(b) 91·4	...	102	28	(b) 62·0	...	50	3	0·05	...	0·05	26	0	...	(c) 4·4	...	0	0	0	0	0
Campbellpur	(*)	...	...	...	64·5	...	51	3	0·82	...	0 18	20	2	...	(c) 4·4	...	2	0	0	2	2
D. I. KHAN.																					
Kohat	91·7	...	106	25	69·4	...	57	2	0·74	...	0·28	9	4	...	4·8	...	9	0	0	0	2
Bannu	92·9	+4·5	106	25	67·9	+5·8	55	2	1·02	+0·04	0·45	26	2	—0·5	2·9	...	2	0	0	0	1
D. I. Khan	100·2	+7·6	114	25	69·6	+4·4	60	2	0·00	—0·69	0·00	...	0	—1·7	(*)	...	0	0	0	0	0
QUETTA.																					
Sibi	106·3	+8·6	121	25	75·7	+5·6	63	1	0·04	—0·07	0·04	2	0	—0·4	1·2	—2·1	0	0	0	0	0
KALAT (North).																					
Nokkundi	98·6	+8·4	111	23	69·9	+6·8	56	8	0·00	—0·35	0·00		0	—0·4	x		0	0	0	0	0
KALAT (South).																					
Turbat	*				*				0·00		0·00		0		*		0	0	0	0	0
Jiwani	91·0		103	28	73·1		68	3	0·00		0·00		0		6·8		0	0	0	0	0
Pasni	92·5	+1·8	105	27	70·7	+2·9	63	6	0·00	—0·40	0·00		0	—0·5	7·9	+1·3	0	0	0	0	0
Ormara	92·5	+2·9	108	28	74·9	+1·8	70	4 days	0·00	—0·60	0·00		0	—0·8	9·8	+0·2	0	0	3	0	0
Lasbela	106·5	+8·8	114	27	72·0	+7·2	66	11	0·00	—0·54	0·00		0	—1·2	*		0	0	0	0	0

(x) Data not available. (R) Register not received. (*) Data rejected. (b) Mean for 29 days. (c) Mean for 28 days. (j) Mean for 21 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" 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
FEDERAL CAPITAL AREA.																					
Karachi (Manora)	90·0	+4·6	98	17	74·9	+0·7	72	7 days	0·00	—0·15	0·00		0	—0·2	x		0	0	0	0	0
Karachi (Mauripur)	91·0		106	28	75·1		67	4	0·00		0·00		0		x		0	0	3	0	0
Karachi (City)	90·1		99	13	76·1		71	4	0·00		0·00		0		6·5		0	0	0	0	0
Karachi (P.A.F.)	92·3		103	13	74·6		68	3	0·00		0·00		0		10·7		0	0	1	0	0
Karachi (Air Port)	93·6		104	13	74·0		67	3,13	0·00		0·00		0		7·7		0	0	2	0	0
HYDERABAD.																					
Badin	104·4	+4·0	112	25,27	71·8	+1·7	60	8	0·00	0·00	0·00		0	0·0	5·6		0	0	0	0	0
Nagarparkar	104·6		116	25,27	78·3		71	1,2	0·00		0·00		0		7·6		0	0	0	0	0
Umarkot	106·8		117	26	72·4		63	3	0·00		0·00		0		6·1		0	0	0	0	0
Chhor	106·1		117	25	71·4		65	1,3,12	0·00		0·00		0		5·5		0	0	0	0	0
Hyderabad	106·0	+4·2	114	24,25,26	73·7	+1·8	69	3,4,5	0·00	—0·07	0·00		0	—0·2	6·9	+1·3	0	0	0	0	0
KHAIRPUR.																					
Padidan	106·8		119	24,25,26	70·6		57	3	0·00		Tr	2	0		5·7		1	0	0	0	0
Nawabshah	107·6		119	24	69·6		60	3	0·00		Tr	16	0		5·5		0	0	0	0	1
Sukkur	104·0	+5·8	114	24,25	74·0	+5·6	64	2,4	0·00	—0·10	0·00		0	—0·4	2·7	—0·7	0	0	0	0	1
Kashmore	*				*				0·00		0·00		0		*		0	0	0	0	0
Jacobabad	105·9	+6·3	118	24	(b) 73·5	+2·8	65	4 days	0·00	—0·17	0·00		0	—0·5	5·9	+1·2	0	0	0	0	1
JUNAGADH.																					
Veraval (R)																					
AFGHANISTAN.																					
Jalalabad (R)																					
ARABIA.																					
Muscat	90·2	+1·9	97	7,21	80·5	+1·8	74	1	0·00	—0·34	0·00		0	—0·8	3·3	—0·1	0	0	0	0	0
HILL STATION KASHMIR																					
Srinagar (x)																					
Gulmarg (x)																					
Gurez (x)																					
Sonemarg (x)																					
Dras (x)																					
Kargil (x)																					
Leh (x)																					
Skardu (x)																					

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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
Misgar	59·1	...	72	25	33·0	...	28	3,21	0·36	...	0·15	21	1	...	(b) 5·1	...	0	0	0	0	0
Ahabad (x)																					
Gilgit (x)																					
RAWALPINDI.																					
Murree	67·5	+2·2	82	25	51·3	+4·4	40	3	2·62	−1·51	0·93	23	7	−0·1	6·0	+0·8	9	1	0	0	0
PESHAWAR.																					
Drosh	74·3	+5·4	91	25	52·5	+4·1	43	8	6·88	+2·80	1·47	8	7	−1·1	1·6	−1·0	9	1	0	0	0
Cherat	79·0	+6·9	93	25	*	...	...	...	0·97	−1·81	0·40	1	3	−1·7	(*)	...	3	0	1	0	0
Kakul	80·8	...	95	25	59·1	...	47	3	0·81	...	0·17	27	4	...	(x)	...	10	1	0	0	2
Balakot (R)																					
Landikotal	79·2	...	95	25	55·6	...	45	3	2·86	...	0·87	1	6	...	1·9	...	7	0	1	0	0
D. I. KHAN.																					
Parachinar	(d) 76·0	+7·3	88	27	(d) 50·9	+4·0	32	1,2	4·10	+0·07	0·70	2,20	9	+0·3	x	0	0	0	0	0	0
Miranshah	85·1	+6·8	99	25	61·7	+4·5	50	2	2·77	+1·14	0·70	1	5	+1·1	(d) 2·9	−1·6	1	0	0	0	0
Wana	84·5	+7·8	100	23	53·4	−3·8	43	3	0·70	−0·67	0·51	2	1	−2·8	1·1	...	8	0	0	0	0
QUETTA.																					
Fortsandeman	87·4	+7·1	101	24	60·3	+5·8	50	2	0·19	−0·75	0·10	17	1	−2·1	2·5	−0·2	0	0	0	0	0
Hindubagh	80·6		92	24,25	52·1		43	2,3	0·12		0·12	20	1		4·7		0	0	0	0	0
Loralai	84·0		97	25	52·1		44	2	0·11	−0·84	0·11	2	1	−1·4	3·6		1	0	0	0	0
Harnai									0·05	−0·70	0·05	2	0	−1·9	x		0	0	0	0	0
Quetta (Samungli)	81·7		95	24	(b) 46·0		32	8	0·07		0·03	2,20	0		4·5		4	0	0	0	0
Quetta	81·6		94	23	47·6		35	8	0·28		0·11	17	1		*		0	0	0	0	0
Chaman	87·4	+8·8	101	24	62·3	+6·3	51	2,8	0·35	−0·42	0·18	1	1	−1·0	x		0	0	0	0	0
KALAT (North).																					
Kalat	77·9	+6·9	91	24,25	45·6	+2·1	35	3,4	0·05	−0·51	0·03	2	0	−1·8	4·3	−0·3	0	0	0	0	0
Nushki	94·6		107	24,25	67·2		54	3	0·00		0·00		0		x		0	0	0	0	0
Dalbandin	95·8	−6·6	107	24	62·8	+4·9	52	3	0·00	−0·30	0·00		0	−0·7	1·7	−2·6	1	0	0	0	2
KALAT (South).																					
Panjgur	91·7	+3·2	102	24,25	59·9	+0·7	52	4 days	0·00	−0·39	0·00		0	−0·8	4·1	−0·6	0	0	0	0	0
AFGHANISTAN.																					
Kabul	71·8	+6·5	85	24	46·8	+4·1	38	2	7·14	+3·84	1·26	20	12	+5·7	1·0	−1·0	0	0	0	0	0
Kandahar	86·6	...	96	24	55·9	...	47	8,9	0·41	...	0·33	16	1	...	1·3	...	1	0	0	0	4

(d) Mean for 27 days. (x) Data not available. (b) Mean for 29 days. (*) Data rejected.

GPPD—S-2—2 (Met) 62—7-5-64— 200.

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REGD. No. S - 1452

PAKISTAN WEATHER REVIEW, 1958

MONTHLY WEATHER REPORT

May

(PUBLISHED BY THE AUTHORITY OF GOVERNMENT OF PAKISTAN)

Chief Features:

1. Cyclonic storm in the north Bay of Bengal which moved northeastwards and influenced the weather over East Pakistan causing heavy rainfall and structural damage in Chittagong division during the third week.

2. Pronounced wet weather over East Pakistan with locally heavy rain in Chittagong division between the 9th and the 11th.

West Pakistan

Three western disturbances and a westerly low pressure wave influenced the weather over the northern parts of the region during the first fortnight and caused scattered dust or thunderstorms in Quetta, Lahore, Peshawar and Rawalpindi divisions between the 1st and the 3rd over the last two divisions between the 5th and 7th and in Peshawar and Quetta divisions on the 10th.

Under the influence of two western disturbances which moved thereafter across the northern divisions and a low pressure area which appeared over Khairpur division and weakened into a trough over there by 16th, dust or thunderstorm activity occurred practically over the whole of West Pakistan between the 14th and the 16th being pronounced in north Kalat, Quetta, Multan and Khairpur divisions on the first day.

Five western disturbances moved across the northern divisions during the rest of the month and caused scattered to local dust or thunderstorms and a few showers over the region outside Bahawalpur and Hyderabad divisions and the Federal Capital Area between the 20th and the 23rd and mainly over the northern parts of the region between the 25th and the 31st.

Chief amounts of rainfall recorded were Murree 3.4" on the 15th and Drosh 1-1/2" on the 23rd.

The total rainfall during the month was normal in Hyderabad division, in slight defect in Peshawar and Kalat Divisions, and in moderate defect in Rawalpindi and D. I. Khan divisions. Elsewhere it was in large defect. Averaged over the region the rainfall was in mode rate defect.

The mean maximum temperature was below normal in Rawalpindi division, above normal in Federal Capital Area and Hyderabad division and normal elsewhere.

The mean minimum temperature was normal over the whole region. The mean relative humidity was in defect in Bahawalpur, Peshawar, Quetta, Kalat and Khairpur Divisions and normal elsewhere.

The mean cloud amount was in defect in Quetta, Kalat, Hyderabad and Khairpur divisions, normal in Multan, Peshawar and D. I. Khan divisions and in excess elsewhere.

East Pakistan

Four westerly low pressure waves influenced the weather over the region during the first week and caused fairly widespread rain or thundershowers (locally moderate to heavy) over the whole region on the 4th and scattered to local thunderstorms or showers in Dacca, Chittagong and Rajshahi divisions on other days.

As a result of the passage of three westerly low pressure waves and two lows across East Pakistan or the sub-montane region during the second week, a marked spell of wet weather occurred over the whole region between the 8th and the 12th and scattered to local thunderstorms or showers in Rajshahi and Chittagong divisions during the next five days. Violent squalls also occurred during the same period and caused considerable damage as reported by newspapers.

Thereafter, a cyclonic storm formed in the north Bay of Bengal by 0300 GMT on the 18th morning it was centred within half a degree of latitude 21°N and longitude 90°E. It moved northeastwards crossed Chittagong coast by the following morning and repidly weakened into a shallow depression over Assam on the 19th. It caused pronounced wet weather in Dacca and Chittagong divisions and scattered to local rain in Rajshahi division between the 18th and the 20th and scattered thunder-rain activity over the region on the 21st. The storm was associated with violent winds and caused extensive damage to property in some of the districts of Chittagong division as reported by newspapers.

Three westerly low pressure waves moved across the sub-montane region during the rest of the month and caused scattered thunderstorms or showers in Rajshahi and Chittagong divisions between the 22nd and the 24th, fairly wide-spread thunder rain activity in Dacca division on the 29th and scattered elsewhere between the 28th and the 31st.

Outstanding amounts of rainfall were Chittagong 3" on the 4th; Srimangal 5", Sylhet 4" on the 9th; Sylhet 4" on the 10th and 6" on the 14th and Maijdee Court 4" on the 19th.

The total rainfall during the month was normal over the region outside Rajshahi division, where it was in moderate defect. Averaged over the region it was in slight defect.

The mean maximum temperature was above normal in Rajshahi division and normal elsewhere.

The mean minimum temperature was above normal over the region outside Rajshahi division where it was above normal.

The mean relative humidity was normal everywhere. The mean cloud amount was in excess in Chittagong division and normal elsewhere.

Table 1 contains the divisional means of rainfall, temperature, humidity and cloud amount for the 15 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, 1958.

Division	PRECIPITATION				DEPARTURE FROM NORMAL OF				
	Actual	Normal	Departure from normal	Percentage departure from normal	Maximum temperature	Minimum temperature	0300 hrs. G. M. T.		
							Vapour pressure	Relative humidity	Cloud
1	2	3	4	5	6	7	8	9	10
	"	"	"		o	o	Mb.	%	
EAST PAKISTAN									
Chittagong	11.30	12.43	—1.13	—8	+0.7	+2.6	-2.6	+1	+0.8
Dacca	9.99	9.99	0.00	0	+0.9	+2.0	—2.9	+4	+0.9
Rajshahi	5.15	7.80	—2.65	—34	+2.6	+1.9	+2.4	0	+0.2
Mean	8.47	9.88	—1.41	—14	+1.5	+2.1	+2.5	+1	+0.6
WEST PAKISTAN									
Kashmir *									
Lahore	0.04	0.79	—0.75	—95	0.0	+1.7	—2.1	—5	—0.7
Rawalpindi	0.89	1.54	—0.65	—42	—2.5	—1.7	—0.8	—1	—1.3
Multan	0.05	0.37	—0.32	—86	—1.3	—0.1	—3.3	—5	+0.2
Bahawalpur	0.00	0.17	—0.17	—100	—0.1	—0.3	—3.9	—9	+0.3
Peshawar	1.09	1.44	—0.35	—24	—1.7	—1.4	—2.1	—9	+0.1
D. I. Khan	0.96	1.05	—0.29	—28	—1.8	—1.7	—1.7	—5	—0.1
Quetta	0.08	0.46	—0.38	—83	0.0	—1.1	—0.2	—7	—0.3
Kalat	0.10	0.12	—0.02	—17	—0.3	—0.8	—4.1	—15	—0.4
Federal Capital Area	0.00	0.06	—0.06	—100	+4.6	+1.1	+1.0	—5	+0.6
Hyderabad	0.19	0.20	—0.01	—5	+3.7	+0.3	+0.4	+3	—0.6
Khairpur	0.00	0.14	—0.14	—100	—0.3	—1.8	—8.3	—17	+0.1
Mean	0.25	0.44	—0.19	—43	—0.1	—0.7	—2.8	—0.9	—0.1
Junagadh (x)									

(*) Data not available.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF MAY 1958.

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. in general (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 Direction Number of Observations From — N	NE	E	SE	S	SW	W	NW	Calm.
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas										
EAST PAKISTAN																							
Chittagong Division																							
Cox's Bazar (P.T.)	0000	38																					
	0300		1007.1	+1.3	1008.4	87.3	82.3	81.0	35.3	+3.9	80	+2	4.0	—0.4	0	0	1	9	17	3	1	0	0
	1200		1003.8		1005.0	85.4	82.8	80.0	36.9		89		3.0		1	0	0	5	17	6	1	0	1
Chittagong (Patenga)	0000	20	1005.3		1006.0	79.3 (a)	77.6 (a)	76.9 (a)	31.5 (a)		93 (a)		4.2		0	1	4	17	3	0	1	0	5
	0300		1007.0		1007.7	86.1	80.5	76.2	33.1		78		5.2		0	3	0	15	12	1	0	0	0
	1200		1003.3		1004.0	85.4	80.5	78.8	32.7		79		3.5		0	1	1	3	16	8	1	0	1
Chittagong	0000	46																					
	0300		1006.1	+0.5	1007.7	85.3	79.6	77.5	34.9	+4.5	77	0	4.6	+0.2	1	1	3	10	11	3	1	0	1
	1200		1002.4		1004.0	84.4	79.8	78.3	32.4		81		3.4		0	2	1	1	12	12	3	0	0
Maijdee Court	0000	25	1004.5		1005.4	80.4	78.2	77.4	31.9		91		4.5		0	0	1	2	14	0	0	0	14
	0300		1005.9	+0.1	1006.7	86.0	80.4	77.5	33.1	+1.3	78	—1	5.7	+1.8	0	1	0	10	16	2	0	0	2
	1200		1002.4		1003.3	85.3	80.0	78.1	34.9		77		3.3		0	1	0	0	23	2	0	0	5
Comilla	0000	29	1004.4		1005.4	79.5	78.2	77.9	31.5		93		3.6		0	0	0	0	3	0	0	0	28
	0300		1005.9	+0.2	1006.9	85.9	80.8	78.6	33.9	—2.9	80	—5	4.9	—1.1	0	0	0	0	18	0	0	0	13
	1200		1002.0		1003.0	86.4	81.3	79.0	33.9		80		3.8		0	0	0	0	19	0	0	0	12
Brahmanbaria	0000	32	1004.1		1005.2	79.4	77.6	76.9	30.8		91		5.6		0	1	2	5	11	0	0	0	12
	0300		1005.5		1006.6	84.9	79.5	77.4	31.9	+3.0	77	+2	5.0		0	2	0	9	16	2	0	0	2
	1200		1001.5		1002.6	86.8	80.1	77.4	32.6		74		4.0		1	0	0	6	11	4	0	0	9
Srimongal	0000	69	1003.9		1006.3	76.9	74.7	73.4	28.7		91		4.7		0	0	0	1	2	0	0	1	27
	0300		1004.9	+0.2	1007.3	82.6	77.3	74.7	29.7	+0.8	77	—4	5.4	+1.2	0	4	3	4	6	4	3	1	6
	1200		1000.4		1002.8	84.3	78.6	76.0	30.8		77		4.0		0	0	0	4	4	1	3	0	19
Sylhet	0000	115	1001.4		1005.4	74.6	73.2	72.5	27.5		93		5.8		0	2	16	0	2	0	1	0	10
	0300		1003.0		1007.0	79.3	75.4	73.0	27.8		82		6.3		0	4	16	0	0	1	0	1	9
	1200		998.9		1002.9	82.8	77.6	75.3	30.5		79		4.7		0	2	11	1	1	3	1	0	12
Dacca Division																							
Mymensingh	0000	62	1003.1		1005.3	77.6	75.8	75.2	29.7		91		6.3		0	0	3	16	1	0	0	0	11
	0300		1004.5	—0.3	1006.7	81.7	78.0	76.5	31.7	+3.1	85	+6	5.8	+0.6	0	0	2	23	2	0	2	0	2
	1200		1000.1		1002.2	85.9	80.2	78.0	33.1		78		5.4		0	0	1	18	1	0	1	0	10
Narayanganj	0000	26	1004.1		1004.9	80.4	78.1	77.2	31.1		89		6.5		0	0	5	7	15	1	0	1	2
	0300		1005.7	—0.2	1006.5	86.2	80.1	77.5	32.3	+1.5	76	—1	6.3	+1.5	0	1	3	5	16	3	1	0	2
	1200		1001.6		1002.4	87.3	80.6	77.5	32.6		74		4.0		0	1	2	5	20	2	1	0	0
Dacca (Tejgaon)	0000	27	1003.0		1004.0	79.6	78.4	77.8	33.4		96		5.9		0	2	4	9	10	2	0	0	4
	0300		1004.7		1005.7	85.1	80.3	78.4	32.7		79		6.6		0	2	4	6	14	4	1	0	0
	1200		1000.7		1001.7	86.8	80.4	77.7	32.6		74		4.4		0	1	1	6	17	4	1	1	0

(a) Mean for 30 days.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF MAY, 1958.

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.b	M	°F'	°F	°F	Mb.	Mb.	%	%	oktas										
Dacca Division																							
Faridpu	0000	46	1002.2		1003.8	79.2	77.7	77.2	31.5		93		4.9		1	0	2	10	14	1	1	0	2
	0300		1003.8	—0.5	1005.4	85.2	81.0	79.0	34.3	—3.0	83	+6	5.6	+1.5	1	0	1	6	20	2	1	0	0
	1200		999.8		1001.4	86.5	80.7	77.9	33.4		76		3.8		0	0	3	9	13	2	1	1	2
Barisal	0000	11	1004.1		1004.5	81.0	79.7	79.1	33.7		93		3.1		0	1	3	2	14	1	0	0	10
	0300		1005.8	0.0	1006.2	87.8	82.8	81.0	36.3	+4.0	80	+5	4.5	0.0	1	0	3	2	15	0	0	0	10
	1200		1001.9		1002.3	87.5	82.9	81.1	35.9		82		3.5		1	0	1	7	13	0	0	0	9
Rajshahi Division																							
Khulna	0000	16	1003.6		1004.1	80.5	79.1	78.7	33.1		93		4.5		0	1	1	3	14	1	0	0	11
	0300		1005.3	+0.1	1005.9	86.9	81.8	79.9	35.1	+3.2	80	+5	5.5	+0.4	0	1	0	6	19	0	0	0	5
	1200		1001.6		1002.1	88.8	81.4	79.0	33.3		71		2.3		1	0	0	5	20	0	0	0	5
Satkhira	0000	16	1004.0		1004.5	81.0	79.2	78.3	32.0		91		2.4		0	1	0	0	5	12	1	0	12
	0300		1005.5	+0.7	1006.0	88.5	82.1	78.6	35.0	+2.8	75	+1	4.1	+0.1	0	2	1	0	4	19	0	0	5
	1200		1002.5		1003.0	89.8	81.2	78.1	32.9		68		3.0		0	3	0	0	8	13	0	0	7
Jessore	0000	26	1002.4		1003.3	80.2	78.7	78.2	32.6		93		5.6		0	1	2	4	18	4	1	0	1
	0300		1004.2	—0.6	1005.1	86.4	81.7	76.5	34.7	+2.9	82	+5	4.9	+0.6	0	1	2	3	18	7	0	0	0
	1200		1000.8		1001.7	91.0	82.8	79.5	34.9		70		3.3		1	0	1	5	23	0	0	1	0
Pabna	0000	48	1001.9		1003.5	79.1	77.3	76.9	30.8		91		3.8		0	1	9	7	4	1	0	0 (a)	9
	0300		1002.7		1004.3	86.8	80.7	78.3	33.4	+2.2	76	—3	3.7		0	5	4	13	6	0	0	1 (b)	1
	1200		999.3		1000.9	89.3	79.2	74.5	29.3		63		3.9		0	5	6	15	3	0	0	0	0
Serajganj	0000	49	1000.9		1002.6	78.7	77.3	73.4	31.5		93		6.7		0	1	2	3	14	0	0	0	11
	0300		1003.0		1004.7	84.0	79.3	77.7	32.4		79		5.8		0	1	3	0	22	0	1	0	4
	1200		998.2		1000.1	86.8	80.7	78.2	33.4		76		3.4		0	0	2	3	18	0	0	0	8
Rajshahi	0300												4.5										
Bogra P.B.O.	0000	65	1001.4		1003.6	78.2	76.1	75.2	29.7		91		4.9		0	0	8	11	1	0	0	1	10
	0300		1002.9	—0.8	1005.1	85.1	79.3	77.0	31.1	+2.3	75	—2	5.0	+0.7	0	1	8	16	4	1	0	1	0
	1200		998.4		1000.6	88.8	80.9	77.6	32.5		69		3.8		0	2	11	10	2	1	0	0	5
Dinajpur	0000	123	998.6		1002.9	77.9	75.1	73.7	28.3		86		3.6		0	0	18	0	0	0	0	0	13
	0300		1000.8	—0.8	1005.0	85.1	77.7	74.2	28.8	+1.2	70	—7	3.4	—1.0	0	0	21	0	0	0	0	0	10
	1200		996.0		1000.2	91.5	79.8	74.2	29.2		59		2.0		0	0	15	0	1	0	0	0	15
Rangpur	0000					75.7	73.6	72.5	27.9		91		5.7		2	7	12	6	4	0	0	0	0
	0300					82.8	77.9	75.8	30.7		79		5.0		2	9	11	8	1	0	0	0	0
	1200					87.3	79.7	76.6	31.3		71		3.2		2	4	10	7	7	0	1	0	0

(a) observation for 30 days.

(d) observation for 29 days.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF MAY, 1958.

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 (P.B.O.)	0000	702	978.1		1002.2	76.1	62.9	52.5	13.6		44		2.2		4	6	2	0	0	0	0	2	17
	0300		979.7	−0.9	1003.5	84.3	66.0	51.7	13.6	+1.9	33	−3	1.6	+0.1	2	7	1	3	1	2	1	2	12
	1200		976.8		999.9	99.6	70.0	47.2	11.6		18		1.6		0	3	0	3	0	2	8	9	6
,, (Cantt.)	0000	703	977.5		1001.7	76.8	63.3	52.7	14.3		44		2.0		3	5	2	3	0	0	2	9	7
	0300		978.9	—	1003.0	85.1	67.7	55.0	15.3	—	37	—	1.4	—	8	5	3	4	2	1	1	7	0
	1200		976.2		999.6	99.5	70.8	51.3	12.8		20		1.5		2	1	0	2	2	5	3	15	1
,, (Walton)	0000 (*)	699																					
	0300		979.3	—	1003.0	85.4	66.8	52.9	14.1	—	34	—	1.4	—	4	4	2	8	1	0	1	11	0
	1200		976.5		999.4	99.8	70.9	50.9	12.7		19		1.1		1	1	0	4	1	0	5	19	0
Sialkot	0000	830	973.5		1001.8	78.3	63.3	51.8	13.1		39		2.1		1	9	0	1	0	0	0	0	20
	0300		974.7	0.0	1002.8	84.7	66.5	53.1	12.9	−2.4	32	−6	2.4	−1.2	2	16	1	0	0	0	0	4	8
	1200		971.9		999.3	100.2	69.9	48.2	11.3		17		2.5		0	3	0	1	0	2	1	18	6
RAWALPINDI																							
Jhelum	0000	765	976.1		1002.4	74.3	60.3	47.8	11.6		40		2.8		3	0	1	0	1	2	3	3	18
	0300		977.5	—	1003.4	83.5	63.7	46.6	11.3	—	28	—	2.8	—	5	1	4	3	1	4	1	7	5
	1200		974.4		999.5	97.9	66.9	36.5	8.5		14		3.1		1	0	0	2	1	9	5	8	5
Chaklala	0000	1667	947.3		1004.2	69.5	57.0	46.3	10.9		44		3.6		2	3	3	1	0	0	7	5	10
	0300		948.4	—	1004.2	80.4	62.0	47.4	11.6	—	32	—	2.8	—	0	3	7	1	1	0	3	4	12
	1200		946.0		1000.5	91.9	64.3	40.7	9.4		18		3.5		1	3	1	0	1	2	15	5	3
Rawalpindi	0000	1676	*		*	69.9	57.6	47.1	11.3		45		2.8		4	3	3	0	1	0	1	2	17
	0300		*		*	82.2	63.3 (a)	48.9 (a)	12.2 (a)	−2.0	32	−1	3.1	+1.4	2	3	1	0	2	1	3	1	18
	1200		*		*	91.4	65.8	46.4	11.3		22		4.2		0	4	1	0	1	3	8	2	12
Khushab	0000	616	981.5		1002.7	76.6	62.5	52.4	13.0		42		2.2		(a) 2	5	4	1	1	0	0	2	15
	0300		982.6	+0.4	1003.5	85.3	66.4	51.3	13.6	−1.1	32	−2	2.1	+0.8	(a) 2	4	4	1	0	1	1	0	17
	1200		979.9		1000.2	99.5	72.1	53.4	14.5		22		2.7		2	1	4	4	2	1	2	3	11
Sargodha (R)	0000	614																					
	0300																						
	1200																						
MULTAN																							
Lyallpur	0000	605	981.0		1001.8	75.9	63.7	53.7	14.7		48		1.5		0	10	1	2	0	0	0	2	16
	0300		982.6	+0.5	1003.2	81.1	66.0	55.1	15.1	+0.7	41	+5	2.3	+0.4	1	8	3	2	2	1	1	4	9
	1200		980.3		1000.2	99.0	72.0	53.6	14.6		23		1.6		0	1	0	5	3	2	3	9	8
Montgomery	0000	558	982.0		1000.9	77.0	64.6	55.5	15.1		47		0.5		0	5	2	3	0	1	0	2	18
	0300		983.5	0.0	1002.4	83.1	67.4	56.5	15.6	+5.5	41	−9	0.6	−0.3	0	4	1	2	0	0	0	2	22
	1200		981.5		999.7	100.3	74.3	58.7	17.2		26		0.3		1	1	0	3	0	3	0	2	21
Multan (P.B.O.)	0000	404	987.7		1001.7	78.1	64.8	54.8	14.9		45		1.4		3	0	2	4	1	1	2	1	17
	0300		989.7	—	1003.4	85.8	68.1	55.4	15.5	—	37	...	1.2	—	9	1	2	3	3	0	1	4	8
	1200		986.1		999.2	102.9	71.8	49.1	12.5		18		1.3		4	0	3	2	6	5	2	3	6
Multan	0300	413	989.5	+1.0	1003.6	84.9	67.4	54.9	15.0	+5.1	37	−10	1.2	+0.4	4	6	0	4	2	3	0	4	8
	1200		986.3		999.8	102.8	71.7	49.2	12.4		18		1.5		2	8	2	2	0	2	0	3	12

(x) Data not available. (*) Data Rejected. (a) Mean for 30 days. (R) Register not received.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF MAY, 1958.

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 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										
BAHAWALPUR																							
Leiah (x)	0000	487																					
	0300																						
	1200																						
Khairpur (Surface)	0300	297	993.9	+0.9	1004.1	85.3	67.6	55.6	15.1	—3.0	36	—7	*	—	6	4	3	1	1	6	5	4	1
	1200		990.5		1000.2	106.2	*	*	*		*		*		6	2	1	1	1	3	7	3	7
,, (P.B.O.)	0000	290	991.3		1001.5	75.1	61.9	50.6	13.0		44		0.4		1	4	0	0	0	4	3	0	19
	0300		992.8	—	1002.7	86.5	67.2	52.7	14.0	—	32	—	0.3	—	6	6	1	0	1	7	3	0	7
	1200		989.5		999.1	105.1	70.3	41.8	9.6		12		0.5		4	2	1	1	1	5	5	0	12
Bahawalpur	0300	384	989.8	+0.7	1002.8	86.2	68.2 (a)	55.1 (a)	15.6	—4.9	36	—10	1.4	+0.3	0	2	0	1	1	1	0	0	26
	1200		986.5 (c)		999.1 (c)	102.6	74.8	57.8	16.8		24		2.4		0	1	0	0	0	0	0	0	30
Fort Abbas	0000	475	984.9		1001.3	78.7	64.2	54.4	14.0		41		1.3		2		0	7	0	14	0	0	0
	0300		987.2	—	1003.3	88.4	68.5	53.7	14.8	—	32	—	1.9	—	0	8	3	9	5	5	1	0	1
	1200		983.8		999.6	104.7	74.2	55.0	15.0		20		2.4		5	2	0	2	3	14	3	2	0
PESHAWAR																							
Chakdara	0000	2197	929.0		1003.1	66.7	57.1	50.1	12.1		55		1.8		3	0	3	2	0	0	1	0	22
	0300		930.3	—	1003.9	72.7	60.0	50.0	12.5	—	47	—	2.2	—	2	0	5	8	0	1	0	0	15
	1200		927.2		998.6	87.3	62.7	42.1	9.5		21		3.1		3	6	0	6	3	4	1	0	8
Peshawar	0000	1177	963.8		1004.2	71.4	58.2	44.1	10.6		40		2.7		0	0	0	6	7	7	1	6	4
	0300		965.4	+0.7	1005.0	81.1	62.8	45.6	71.3	2.8	31	—5	2.5	0.0	2	2	3	6	0	2	2	5	9
	1200		962.3		1001.1	92.4	65.5	40.0	9.3		17		4.1		1	14	1	2	2	0	1	10	0
Risalpur	0000	1009	969.3		1004.0	70.7	58.1	45.8	10.9		43		2.7		4	2	0	2	0	1	10	4	8
	0300		970.7	—	1005.0	79.6	61.7	44.6	10.7	—	31	—	2.2	—	1	1	0	2	0	3	14	6	4
	1200		967.7		1001.3	94.6	65.0	35.4	7.7		14		3.9		1	5	3	0	0	1	6	10	5
Haripur	0300	1159	945.6	—	1004.4	79.3	66.9	59.5	17.4	—	50	—	4.0		2	1	0	8	6	9	4	1	0
	1200		943.6		1000.9	92.7	*	*	*		*		3.2		0	2	0	3	1	13	0	12	0
Campbellpur	0300	1175	964.6	—	1004.7	80.9	63.1	47.9	11.7	—	48	—	2.8	—	7	10	2	2	0	1	1	5	3
	1200		961.9		1000.5	94.5	66.8	44.2	10.0		19		4.3		4	10	0	3	1	2	4	3	4
D. I. KHAN																							
Kohat	0000	1667	948.0		1004.3	75.7	59.1	44.5	10.4		34		2.3		5	3	1	0	0	0	1	15	6
	0300		949.6	—	1005.3	81.5	61.7	45.9	10.9	—	29	—	2.4	—	2	0	2	2	0	1	1	12	11
	1200		947.1		1001.6	91.3	64.7	43.6	10.1		20		4.5		6	5	2	2	0	3	1	8	4
Bannu	0000	1263	959.1		1002.2	73.7	61.8	52.6	14.4		47		1.6		1	0	0	0	1	0	10	1	18
	0300		959.8	—	*	*	64.4	*	*		*	—7	1.5	+0.5	0	0	0	0	1	0	17	9	4
	1200		958.1		999.6	93.9	69.7	52.8	13.8		26		2.4		0	2	5	8	3	4	2	3	4
D. I. Khan	0000	570	*		*	76.7	64.1	55.4	14.8		47		0.4		0	0	0	0	0	0	0	1	30
	0300		*	—	*	84.5	68.1	57.1	16.0	—3.2	39	—8	1.3	+0.3	0	3	0	0	0	0	1	3	24
	1200		*		*	100.9	73.4	57.2	15.6		23		2.0		0	0	0	0	0	1	1	3	26

(x) Data not available. (a) Mean for 30 days. (c) Mean for 19 days. (*) Data rejected.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF MAY, 1958.

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										
QUETTA																							
Sibi	0000	441	987.3		1002.2	83.0	67.0	55.0	15.4		40		0.8		0	0	0	0	0	0	0	3	28
	0300		989.0	−1.7	1003.8	86.5	68.7	56.9	15.9	+3.3	37	−9	0.9	−0.1	1	0	0	0	0	0	0	1	29
	1200		985.3		999.3	109.6	79.1	62.5	20.1		23		1.4		0	1	0	0	0	6	1	3	20
KALAT (NORTH)																							
Nokkundi	0000	2229	931.0		1005.7	75.2	55.7	35.8	7.2		24		0.0		12	2	1	0	0	1	0	15	0
	0300		933.0		1006.8	82.6	58.5	34.3	7.3	−8.2	19	−21	0.0	−1.0	11	4	1	2	2	1	2	8	0
	1200		930.1		1001.9	96.7	63.0	30.0	6.2		11		0.0		14	2	1	1	2	2	2	7	0
KALAT (SOUTH)																							
Turbat	0000	510	986.2		1003.4	81.2	70.5	63.8	20.7		56		x		3	4	7	3	2	1	10	1	0
	0300		989.1		1006.5	86.7	73.1	65.5	21.7		50		x		0	11	5	1	0	3	10	1	0
	1200		984.9		1001.6	108.4	81.7	68.8	24.8		30		x		1	3	1	4	2	4	14	2	0
Jiwani	0000	185	998.5		1004.9	80.6	76.0	72.8	28.6		80		0.7		0	1	2	0	2	7	11	1	7
	0300		999.8		1006.2	85.0	76.7	71.4	27.6		67		1.0		1	2	2	3	1	6	9	2	5
	1200		997.5		1003.8	91.8	77.1	68.9	25.1		49		0.9		0	0	0	2	8	20	1	0	0
Pasni	0000	28	1003.3		1004.3	78.4	73.1	69.3	25.3		77		0.8		2	1	1	0	0	1	14	10	2
	0300		1004.8	−0.2	1005.8	82.6	76.3	72.7	28.2	−1.1	74	−7	0.9	−0.8	1	2	1	0	0	1	13	7	6
	1200		1001.9		1002.8	92.5	80.9	76.4	31.5		59		0.5		0	1	0	0	2	25	2	1	0
Ormara	0000	15	1003.0		1003.5	81.8	78.3	76.7	31.5		85		2.2		1	0	1	0	0	2	16	1	10
	0300		1004.6		1005.1	85.3	79.7	76.8	32.1	+1.5	77	−6	2.4	+0.4	0	0	2	0	0	2	16	0	11
	1200		1001.8		1002.3	97.2	82.2	77.1	30.7		51		0.8		0	0	0	1	3	7	20	0	0
Lasbela*	0000	292																					
	0300																						
	1200																						
FEDERAL CAPITAL AREA																							
Karachi (Manora)	0000	13	1003.2		1003.7	81.3	77.2	77.1	29.9		83		1.9		0	0	0	0	0	6	13	4	8
	0300		1005.0	0.0	1005.5	83.7	79.0	76.6	32.0	+1.0	80	−5	3.2	−0.6	1	0	0	0	0	7	15	4	4
	1200		1002.4		1002.9	88.8	85.2	82.2	40.2		86		3.2		0	0	0	0	0	12	19	0	0
Karachi (Mauripur)	0000	52	1001.6		1003.4	80.3	75.6	72.5	28.1		79		0.9		0	0	1	0	0	5	19	3	3
	0300		1003.2		1005.0	83.9	77.0	72.9	28.6		71		2.4		2	0	2	0	0	4	18	4	1
	1200		1000.8		1002.6	90.1	80.4	75.9	31.0		64		0.8		0	0	0	0	0	24	7	0	0
Karachi (City)	0300	20	1004.1		1005.0	85.5	79.7	76.5	31.1		80		1.9		3	0	0	0	0	8	14	3	3
	1200		1001.4		1002.3	92.1	82.3	79.7	32.8		64		1.2		0	0	0	0	0	22	9	0	0
Karachi (P.A.F.)	0000	24	1002.6		1003.5	80.3	76.1	72.5	28.8		81		1.3		0	0	0	0	0	12	10	2	7
	0300		1004.1		1005.0	84.1	77.4	73.0	29.1		72		1.9		0	0	0	0	0	14	10	0	7
	1200		1001.5		1002.4	92.0	80.3	76.0	30.0		58		0.6		0	0	0	0	0	30	1	0	0
Karachi (Airport)	0000	73	1001.2		1003.7	79.6	76.6	74.8	29.9		87		1.6		0	0	0	0	1	3	11	1	15
	0300		1002.9		1005.4	84.4	78.2	75.2	30.1		74		2.4		1	0	0	0	1	7	14	2	6
	1200		1000.2		1002.7	92.7	80.9	74.9	30.7		58		0.7		0	0	0	0	1	19	11	0	0
HYDERABAD																							
Badin	0000	31	1002.6		1003.7	80.3	76.3	74.1	29.1		83		0.0		0	0	0	0	0	31	0	0	0
	0300		1003.2	0.0	1004.3	82.1	77.6	75.5	30.3	+1.8	81	+11	0.0	−1.2	0	0	0	0	0	31	0	0	0
	1200		1000.4		1001.4	105.5	78.8	64.4	21.4		28		0.0		2	0	0	0	2	27	0	0	0
Nagarparkar	0000	178	996.5 (e)		1002.5 (e)	85.1	75.4	70.2	25.6		62		0.0		0	0	0	0	0	10	13	8	0
	0300		998.5 (e)		1004.5 (f)	87.4	77.2	71.4	27.2		61		0.0		1	0	0	1	0	9	14	4	2
	1200		994.9		1000.6	107.2	76.2	57.0	16.7		20		0.1		0	1	1	1	1	15	7	4	1

(e) Mean of 26 days. (*) Data rejected. (x) Data not available. (f) Mean of 25 days.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF MAY, 1958.

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										
Umarkot	0000	55	1000.4		1002.3	78.0	73.8	71.2	26.6		82		0.0		0	0	0	0	4	23	0	1	3
	0300		1002.9		1004.8	81.5	76.2	73.5	28.5		77		0.7		0	0	0	0	1	28	0	0	2
	1200		998.3		1000.1	108.4	77.1	58.8	17.5		21		0.3		0	0	0	0	0	15	4	11	1
Chhor	0000	19	1002.1		1002.8	76.5	71.1	67.9	23.6		75		0.8		0	0	0	0	0	23	4	1	3
	0300		1003.7		1004.4	83.9	75.1	70.0	27.2		68		0.7		1	0	0	0	1	25	3	0	1
	1200		999.5		1000.1	107.2	73.9	49.3	13.5		16		0.6		0	0	0	0	0	19	10	1	1
Hyderabad	0000	98	999.0		1002.4	79.7	71.9	66.3	23.2		67		0.4		0	0	0	1	2	25	0	0	3
	0300		1000.7	+0.2	1004.1	85.1	73.2	65.3	22.5	—1.0	54	—5	0.5	0.0	0	0	1	0	0	25	1	0	4
	1200		997.4		1000.7	104.9	72.9	49.2	12.4		17		0.8		1	5	0	1	0	21	1	0	2
KHAIRPUR																							
Padidan	0000	153	996.2		1001.5	77.4	63.2	50.7	13.2		41		0.3		1	2	1	7	6	2	1	0	11
	0300		998.1		1003.3	85.9	67.7	53.2	15.0		35		0.5		4	1	3	5	7	3	4	1	3
	1200		994.6		999.7	108.5	73.8	51.4	12.7		15		1.1		7	2	1	1	5	3	4	5	3
Nawabshah	0000	124	997.8		1002.2	77.7	66.5	58.4	17.2		53		0.3		2	0	1	0	15	1	0	1	11
	0300		999.7		1004.0	87.2	70.9	60.0	18.5		41		0.5		2	2	0	0	14	3	1	2	7
	1200		996.3		1000.4	108.8	73.0	45.8	11.5		13		0.9		1	2	0	2	4	8	6	8	0
Sukkur	0300	221	995.5	+0.4	1003.0	84.1	68.8	57.2	17.2	—3.7	43	—10	0.7	+0.3	3	2	0	1	0	1	1	4	19
	1200		992.0		999.3	105.9	74.8	53.5	15.6		20		1.0		1	1	0	1	3	9	2	1	13
Kashmore*	0000	255																					
	0300																						
	1200																						
Jacobabad	0000	183	995.3		1001.7	79.8	61.2	43.8	10.1		29		0.4		2	1	8	4	4	3	4	3	2
	0300		997.2	+0.9	1003.6	88.7	65.3	45.3	10.8	—12.9	23	—24	0.5	0.0	1	0	9	6	2	0	5	5	3
	1200		993.1		999.2	108.6	69.7	33.9	7.2		9		0.9		0	1	0	3	7	3	10	5	2
JUNAGADH																							
Veraval	* 0000	26																					
	0300		(m) 1006.9		1007.9	(n) 83.1 (l)	(n) 78.1 (l)	(n) 76.1 (l)	30.6		79		(m) 1.9 (k)		1	0	0	0	(m) 0 (l)	0	7	7	3
	1200		1004.0		1005.0	85.4	79.8	77.2	32.2		77		0.9		1	0	0	0	0	4	11	3	0
AFGHANISTAN																							
Jalalabad (x)	0300	1950																					
	1200																						
ARABIA																							
Muscat	0300	20	1005.3		1006.0	88.8	73.9	65.5	21.8		47		0.0	—0.6	1	1	1	0	2	3	3	8	12
	1200		1003.8		1004.5	91.5	76.8	68.9	24.8		49		0.5		1	8	2	0	0	0	5	12	3
HILL STATIONS																							
KASHMIR																							
Srinagar (x)	0000	5202																					
	0300																						
	1200																						

* Data rejected.
(x) Data not available.

(k) Mean for 20 days.
(l) Mean for 19 days.

(m) Mean for 18 days.
(n) Mean for 17 days.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF MAY, 1958.

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	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										
Gulmerg (x)	0300	8709																					
	1200																						
Gurez (x)	0300	...																					
	1200																						
Sonmarg (x)	0300	...																					
	1200																						
Drus (x)	0300	10059																					
	1200																						
Kargil (x)	0300	...																					
	1200																						
Leh (x)	0000	...																					
	0300																						
	1200																						
Skardu (x)	0000	7250																					
	0300																						
	1200																						
Minimum	0000	10190	*		*	30.6	25.8	17.6	3.3		57		3.5		0	0	0	0	0	0	0	0	31
	0300		699.4	....	3096.9	42.3	33.1	18.9	3.6	...	39	...	3.5	...	0	0	0	0	0	0	0	0	31
	1200		696.6		3061.9	53.5	38.9	17.7	3.6		25		4.6		1	0	10	2	0	0	5	0	13
Abbottabad (x)	0300	6850																					
	1200																						
Gilgit (x)	0000	4950																					
	0300																						
	1200																						
RAWALPINDI																							
Murree	0000	7113	*		*	55.7	47.7	39.7	8.5		56		4.1		0	8	2	10	0	0	0	10	1
	0300		783.0	—0.4	1465.1	62.0	51.3	40.8	9.1	+0.6	48	—7	3.7	—1.7	2	5	9	4	0	1	4	2	4
	1200		782.3		1451.0	66.4	54.4	44.5	10.1		46		4.9		1	5	3	7	0	1	6	8	0
PESHAWAR																							
Drosh	0000	4806	851.3		1476.8	59.1	48.8	35.7	7.6		44		2.5		0	0	3	0	0	0	0	0	28
	0300		852.4	+0.1	1487.9	65.2	52.7	38.4	8.6	—2.5	40	—17	2.3	+0.3	0	1	3	0	0	0	0	0	27
	1200		849.4		1457.1	57.3	55.1	30.5	6.7		22		4.9		1	2	0	0	0	9	2	0	17
Chenat	0000	4242	866.2		1460.6	67.3	55.2	41.3	10.0		44		*		20	0	0	1	1	0	0	3	6
	0300		867.2	+1.0	1469.9	69.5	55.2	41.9	9.2	+1.0	36	—5	*		20	2	0	2	0	1	1	5	0
	1200		865.9		1466.9	79.6	59.9	41.8	9.7		29		*		12	1	0	6	3	0	3	6	0
Kakul	0000	4214	867.5		1459.2	63.2	52.9	42.5	0.6		47		2.9		9	5	5	1	2	2	0	7	0
	0300		868.6		1469.2	70.4	56.6	44.6	10.0	...	40	...	3.1	...	5	3	1	1	1	1	5	14	0
	1200		867.4		1457.2	78.9	60.2	43.2	9.9		31		4.6		1	2	2	1	3	10	8	4	0
Balakot (R)	0000	3226																					
	0300																						
	1200																						
Landikotal	0000	3503	888.7		1452.3	64.9	55.5 (c)	45.6 (c)	11.4		55		1.9		10	4	0	1	1	0	0	6	9
	0300		890.1	—	1466.5	73.7	58.8 (b)	44.6	10.7	...	71	...	6.2	...	8	1	0	0	2	2	0	6	12
	1200		888.1		1453.9	82.2	62.0	45.2	11.0		44		3.5		10	2	0	3	2	1	0	10	3

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

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF MAY, 1958.

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										
D. I. KHAN																							
Parachinar	0000	5673	(g) 823.4		(g) 1456.5	(e) 55.3	(e) 48.2	(e) 40.3	8.8		58		(e) 0.8		25	0	0	0	0	0	(f) 0	0	0 (g)
	0300		(b) 823.0	—1.3	(b) 1466.2	(b) 62.0	(b) 51.2	(a) 40.4	9.5	—0.3	47	—1	(c) 1.1	—0.7	0	0	0	0	0	0	0	1	27
	1200		(a) 823.0		(a) 1446.0	(a) 74.1	(a) 56.4	(a) 41.3	9.2		33		(a) 3.8		0	0	0	(a) 30	0	0	0	0	0
Miranshah	0000	3026	906.1		1449.0	70.7	57.0	44.5	10.5		41		1.1		0	1	0	0	0	0	0	2	28
	0300		905.2	...	1464.8	75.6	59.8	46.2	11.3	—1.6	36	—4	0.9	—0.1	0	5	0	1	0	3	0	9	13
	1200		902.6		1451.5	86.3	62.6	42.6	10.0		24		2.8		0	14	0	2	0	0	0	8	7
Wana	0300	4503	859.3	...	1465.5	68.8	53.7	37.6	8.1	—2.0	34	—8	0.9	—0.6	0	0	0	0	0	0	1	2	28
	1200		857.2		1446.5	82.8	58.3	32.4	6.8		17		3.7		1	2	7	7	3	3	2	5	1
QUETTA																							
Fort sandeman	0300	4614	857.4	—1.0	1479.6	70.9	53.3	33.2	6.8	—2.3	26	—28	0.8	—0.4	2	1	1	0	2	0	2	1	22
	1200		854.5		1453.0	86.8	58.4	28.0	5.3		12		3.3		2	2	1	1	1	11	5	0	8
Hindubagh	0000	5909	818.5		1479.4	57.7	46.1	33.5	6.5		41		0.6		0	0	0	0	0	0	22	1	8
	0300		819.2		1481.5	67.7	52.8	39.0	8.2		36		0.2		0	0	2	0	0	0	17	0	12
	1200		817.3		1452.1	80.8	85.6	40.1	8.9		25		1.0		0	0	1	0	0	3	27	0	0
Loralai	0000	4699	852.1		1452.8	61.2	51.3	38.6	8.9		48		0.7		0	0	0	1	0	1	20	8	1
	0300		853.1		1462.2	66.1	54.9	42.0	10.2		46		0.8		2	0	0	0	1	3	14	10	1
	1200		850.8		1439.4	84.8	67.3	50.8	15.7		39		3.3		0	0	1	5	2	6	2	11	4
Harnai	0 300												0.2		0	0	0	0	0	0	30	1	0
	1200												1.5		0	0	17	0	0	1	13	0	0
Quetta (Samungli)	0000	5213	(a) 838.4		1472.3	49.2	43.8	37.2	7.6		63		0.5		0	0	11	10	1	2	2	0	5
	0300		839.4		1479.5	64.4	52.9	42.3	9.1		43		0.7		0	1	4	5	0	4	2	2	13
	1200		837.3		1453.6	81.7	60.2	42.4	9.1		25		1.8		1	1	0	0	0	5	13	10	1

(a) Mean for 30 days. (b) Mean for 29 days. (c) Mean for 28 days. (d) Mean for 27 days. (e) Mean for 26 days. (f) Mean for 25 days. (g) Mean for 24 days

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF MAY, 1958.

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 mlts. 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	0300	5490	830.6	−0.9	1476.0	67.3	54.3	42.6	9.4	−3.1	42	−12	1.0	0.0	3	3	0	1	2	2	1	0	19
	1200		828.5		1445.9	80.3	60.5	46.2	10.7		30		1.9		3	1	0	2	1	3	10	11	0
Chaman	0000	4311	866.0		1472.6	66.8	52.8	39.0	8.0		36		0.5		0	29	0	0	0	0	0	0	2
	0300		867.4	+1.0	1488.5	74.8	59.2	47.0	10.9	−1.4	37	+4	0.4	−0.6	0	1	0	14	0	10	2	0	4
	1200		865.2		1469.7	86.7	67.7	56.0	15.5		36		0.3		0	1	0	0	0	14	12	4	0
KALAT (North)																							
Kalat	0000	6616	799.1		1498.6	49.0	41.6	29.5	6.1		51		0.0		1	0	0	5	8	0	0	0	17
	0300		800.2	+1.3	1495.0	65.5	48.7	27.9	5.8	−4.8	26	−18	0.0	−0.8	1	0	1	3	8	0	0	0	18
	1200		798.7		1468.8	74.9	51.1	21.5	4.4		14		0.4		5	0	0	2	2	1	5	12	4
Nushki	0000	3416	(a) 900.4		1536.9	(a) 73.8	55.7	(a) 37.1	7.9		28		(a) 0.0		1	11	9	5	2	(a) 1	0	1	0
	0300		900.0		1532.8	73.9	56.2	37.5	8.3		29		0.0		1	13	9	5	3	0	0	0	0
	1200		896.4		1515.4	93.6	62.9	32.7	7.2		14		0.0		13	2	0	0	3	1	8	4	0
Dalbandin	0000	2785	913.1		1457.5	67.0	50.4	30.0	5.8		26		0.4		2	2	1	0	0	2	11	3	10
	0300		914.7	+1.3	1481.1	74.4	54.0	30.5	6.0	−4.4	19	−13	0.8	−0.1	3	4	1	2	0	1	1	0	19
	1200		911.8		1477.5	96.0	62.8	29.5	6.1		11		1.6		1	1	0	5	0	6	4	13	1
KALAT (South)																							
Panjgur	0000	3177	901.7		1468.7	67.7	55.6	44.7	10.4		45		1.8		1	17	0	0	0	2	0	11	0
	0300		902.6	+1.6	1480.8	70.1	54.2	37.3	7.7	−7.9	31	−23	0.5	−0.1	0	18	1	2	1	0	0	4	5
	1200		900.8		1485.8	93.7	64.0	38.5	8.3		16		1.0		2	5	0	0	0	3	4	16	1
AFGHANISTAN																							
Kabul (R)	0300	5955																					
	1200																						
Kandahar	0300	3462	897.4	...	1515.7	66.0	56.6	48.2	12.0	...	54	...	1.0	...	0	0	2	2	3	2	0	2	20
	1200		894.6		1505.8	85.5	65.9	52.3	13.9		33		1.0		0	0	1	0	2	13	4	5	6

(R) Register not received

(a) Mean for 30 days.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF MAY, 1958.

DIVISION AND STATION	Maximum Temperature of the Air °F				Minimum Temperature of the Air °F				Precipitation (inches)						Wind Velocity (knots)		Weather Number of Days				
	Mean.	Departure from normal.	Highest.	Date.	Mean.	Departure from normal.	Lowest.	Date.	Total of the month.	Departure from normal.	Heaviest fall in 24 hours.	Date.	Days with 0.10 inch or more.	Departure from normal.	Mean.	Departure from normal.	Thunder heard.	Hail.	Fog.	Haze (dust).	Dust Storm.
																	Visibility Code Figure 93 or less				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
CHITTAGONG DIVISION																					
Cox's Bazar (P. T.)	91.2	−2.4	94	31	78.7	+2.8	71	4,11	7.53	−5.21	2.64	11	7	−3.5	5.0	+1.4	5				
Chittagong (Patenga)	90.2		93	16,31	78.4		72	4,6,11	11.41		4.78	11	9		x		4				
Chittagong	89.5	−0.6	93	4 days	77.8	+2.3	71	4,6	11.29	+0.87	3.33	4	10	−0.8	4.5	1.9	6				
Maijdee Court	90.4	+1.3	94	1,30	78.9	+1.3	70	6,7	11.51	+0.06	3.59	10	9	−1.5	x						
Comilla	91.3	+0.2	97	3	78.2	+3.3	68	9	11.35	−1.04	2.30	4	9	−2.8	6.3	+1.9	7				
Brahmanbaria	91.3	−0.7	96	4	77.4	+4.6	67	8,9	9.64	−2.15	2.37	8	9	−2.7	4.9		4				
Srimangal	91.5	+0.4	97	30	73.5	+1.3	67	5,9	16.48	+0.69	6.96	9	13	−2.3	2.2	−1.1	12				
Sylhet	86.2		94	27,28,30	73.3		66	10	26.66		5.66	14	20		x		18				
DACCA DIVISION																					
Mymensingh	90.0	+0.7	96	26	74.9	+0.7	66	5	11.29	−1.17	2.11	4	11	−2.0	2.8	+0.5	10				
Narayanganj	92.7	+1.6	98	2	78.9	+3.1	70	8,9	9.26	−0.38	3.22	19	9	−2.0	5.1	+1.2	2				
Dacca (Tejgaon)	92.0		97	4	78.3		69	8	7.58		2.12	6	8		9.2		7				
Faridpur	92.5	+0.8	96	3,24	76.7	+1.8	70	9	6.68	−2.94	2.11	7	10	−1.0	3.2	−3.2	7				
Barisal	92.3	+0.6	97	3	79.2	+2.3	72	8,11	12.74	+4.49	4.28	18	8	−1.6	x		8				
RAJSHAHI DIVISION																					
Khulna	94.2	+1.3	98	2,31	78.9	+1.9	69	7	72.2	−0.53	2.13	18	8	−1.7	x		1				
Satkhira	96.9	+1.5	107	2	79.4	+2.0	68	8	5.55	−1.32	1.46	18	7	−1.2	5.1	+1.7					
Jessore	96.6	+2.7	103	26	74.1	−1.7	67	7	6.36	−1.76	2.18	7	9	−0.1	3.9	+0.8					
Pabna	97.7	+2.9	x		78.6	+4.2	x		3.32	−4.03	1.78	7	6	−3.8	x		3				
Serajganj	93.7		99	26	77.7		68	8	5.98	−2.10	1.98	8	6	−4.5	5.5		5				
Rajshahi									2.55	−2.94	1.26	8	3	−4.4							
Bogra (P.B.O.)	95.0	+2.6	111	26	76.7	+2.4	66	8	4.77	−3.63	1.96	8	8	−1.6	3.6	+1.2	1				
Dinajpur	96.6	+4.8	108	27	76.8	+2.6	67	8	3.85	−3.49	1.06	16	6	−2.7	3.4	+0.4	6				
Rangpur	90.9		103	26	74.9		67	5	6.76	−4.07	1.78	16	9	−2.5	4.0		1	1			

(x) Data not available.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF MAY, 1958.

DIVISION AND STATION	Maximum Temperature of the Air °F				Minimum Temperature of the Air °F				Precipitation (inches)						Wind Velocity		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
KASHMIR																					
Jammu (R)																					
LAHORE																					
Lahore (P.B.O.)	102.6	—1.1	108	20	74.6	+2.4	63	13	0.08	0.51	0.08	26	0	—1.3	2.5	+0.5	6	0	0	3	4
,, (Cantt.)	102.2	—	106	5,30	73.8	—	61	13	0.02	—	0.02	26	0	—	5.3	—	8	0	0	0	6
,, (Walton)	102.9	—	107	20,26	73.2	—	62	12	0.06	—	0.05	30	0	—	6.6	—	2	0	0	0	4
Sialkot	103.3	+1.1	107	4 days	75.4	+1.1	65	12	0.00	—0.99	0.00	—	0	—2.0	(x)	—	0	0	0	0	10
RAWALPINDI																					
Jhelum	101.2	—	105	10,25,26	72.5	—	64	13	0.32	—	0.13	31	2	—	3.3	—	10	0	0	4	6
Chaklala	95.3	—	101	20	68.1	—	60	16	0.14	—	0.08	6	0	—	7.1	—	11	0	0	0	7
Rawalpindi	95.4	—2.3	100	4 days	67.9	—0.8	56	6	0.21	—1.04	0.09	21	0	—2.5	(x)	—	4	0	0	0	2
Khushab	102.0	—1.7	107	29	74.0 (a)	—2.3	63	11,12,22	0.57	—0.19	0.47	31	1	—0.6	5.2 (b)	+0.4	2	0	0	0	1
Sargodha (R)																					
MULTAN																					
Lyallpur	101.0	—1.4	106	29	73.7	—0.2	62	12	0.03	—0.40	0.03	3	0	—1.2	3.3	+0.9	4	0	0	0	5
Montgomery	102.6	—2.8	108	5	75.9	—1.0	67	15	0.00	—0.36	0.00	—	0	—1.1	1.8	—1.9	0	0	0	0	0
Multan (P.B.O.)	105.4	—	111	14,29	75.2	—	67	15	0.03	—	0.03	22	0	—	2.7	—	2	0	0	0	4
,, (Surface)	105.2	+0.4	110	4 days	78.3	+0.9	67	19	0.12	—0.21	0.12	22	1	+0.3	2.0	+0.2	2	0	0	0	2
BAHAWALPUR																					
Leiah (R)																					
Khanpur (Surface)	108.6	0.0	114	10,14	*	—	—	—	0.00	—0.17	0.00	—	0	—0.4	3.6	—1.3	0	0	0	0	0
,, (P.B.O.)	107.1		113	10,14	73.3	—	61	12	0.36	—	0.20	22	2	—	4.2	—	2	0	0	2	3
Bahawalpur	105.9	—0.3	112	13	75.6	—0.3	68	12	0.00	—0.18	0.00	—	0	—0.5	1.9	—1.2	0	0	0	0	0
Fort Abbas	108.6	—	115	14	76.0	—	67	14	0.12	—	0.12	22	1	—	5.6	—	0	0	0	0	0
PESHAWAR																					
Chakdara	89.8	—	96	26,27,28	63.2	—	55	16	0.15	—	0.15	15	1	—	(x)	—	5	0	0	0	2
Peshawar	94.9	—2.1	100	4 days	69.6	—0.8	63	13,16	0.00	—0.77	0.00	—	0	—2.0	5.4	+3.1	6	0	0	0	6
Risalpur	97.8	—	103	19	67.1	—	58	16	0.71	—	0.69	15	1	—	6.0	—	7	0	0	0	4
Haripur	96.9	—	102	3,28	67.9	—	59	16	0.00	—	0.00	—	0	—	4.4 (d)	—	0	0	0	0	5
Campbellpur	98.1		102	19,20	70.0 (a)	—	59	16	0.38	—	0.18	15	2	—	5.2	—	0	0	0	0	2
D. I. KHAN																					
Kohat	96.0	—	102	19	73.0	—	67	5 days	0.20	—	0.20	27	1	—	6.1	—	14	0	0	0	3
Bannu	96.2	—3.6	101	9	70.8	—0.7	63	14,15	0.10	—0.51	0.10	14	1	—0.5	3.1	—	2	0	0	0	3
D. I. Khan	103.4	—0.1	108	26	74.3	—0.4	66	12	0.00	—0.39	0.00	—	0	—1.0	1.5	—0.3	0	0	0	0	5

(R) Register not received. (x) Data not available. (a) Mean for 30 days. (b) Mean for 29 days. (d) Mean for 27 days. (*) Data rejected.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF MAY, 1958.

DIVISION AND STATION	Maximum Temperature of the Air °F				Minimum Temperature of the Air °F				Precipitation (inches)						Wind Velocity (knots)		Weather Number of Days				
	Mean.	Departure from normal.	Highest.	Date.	Mean.	Departure from normal.	Lowest.	Date.	Total of the month.	Departure from normal.	Heaviest fall in 24 hours.	Date.	Days with 0.10 inch or more.	Departure from normal.	Mean.	Departure from normal.	Thunder heard.	Hail.	Fog.	Haze (dust).	Dust Storm.
																	Visibility Code Figures 93 or less				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
QUETTA																					
Sibi	111.3	+2.1	116	10,13	81.5	+0.2	76	31	0.00	—0.14	0.00		0	—0.5	2.0	—2.1	0	0	0	0	0
KALAT (NORTH)																					
Nokkundi	99.3	—3.1	107	5	72.2	—2.3	65	14	0.00	—0.02	0.00		0	0.0	x		0	0	0	0	0
KALAT (SOUTH)																					
Turbat	114.9		117	7 days	•				0.20		0.20	21	1		x		1	0	0	0	0
Jiwani	96.4		108	14	79.7		73	23	0.02		0.02	23	0		8.1		1	0	0	0	1
Pasni	97.8	+3.5	112	13	76.2	+2.0	69	6	0.00	—0.01	0.00		0	0.0	9.9	+2.8	0	0	0	0	0
Ormara	100.2	+7.5	113	13	80.7	+1.2	73	17	0.00	0.00	•	22	0	0.0	(d) 11.5	+0.9	1	0	0	0	1
Lasbela	•				•				0.21	—0.21	0.21	21	1	+0.1	•		3	0	0	0	1
FEDERAL CAPITAL AREA																					
Karachi (Manora)	93.2	+4.6	102	11	80.1	+1.1	74	1,3	0.00	—0.06	0.00		0	—0.1	x		0	0	0	1	0
Karachi (Mauripur)	95.9		107	12	79.0		74	11	0.00		0.00		0		x		0	0	0	0	0
Karachi (City)	97.3		107	11	80.0		75	12,15	0.00		0.00		0		6.9		0	0	0	0	0
Karachi (P.A.F.)	97.4		109	12	78.8		74	6,13	0.00		0.00		0		12.6		0	0	0	0	1
Karachi (Airport)	98.2		110	12	78.5		72	15	0.00		0.00		0		8.3		0	0	0	1	0
HYDERABAD																					
Badin	108.7	+4.8	117	13	78.0	—0.3	73	12	0.00	—0.22	0.00		0	—0.2	4.8		0	0	0	0	0
Nagarparkar	109.2		114	7,10,13	82.6		78	3	0.00		0.00		0		8.6		0	0	0	0	0
Umarkot	110.3		118	10	76.3		70	1	0.00		0.00		0		6.7		0	0	0	0	0
Chhor	109.4		117	10	75.4		62	12	0.00		0.00		0		6.6		0	0	0	4	0
Hyderabad	109.5	+2.5	118	10	79.1	+0.9	75	7	0.38	+0.19	0.38	30	1	+0.6	7.9	+0.2	1	0	0	0	0
KHAIRPUR																					
Padidan	110.6		120	14	74.8		66	12	0.00		0.00		0		5.8		0	0	0	0	1
Nawabshah	111.3		121	10	76.7		68	12	0.05		0.05	23	0		5.5		3	0	0	1	1
Sukkur	107.9	+0.5	113	9,30	77.9	—1.7	71	11	0.00	—0.14	0.00		0	—0.2	2.5	—0.9	0	0	0	0	0
Kashmore	•				•				0.00		0.00		0		•		0	0	0	0	0
Jacobabad	109.9	—1.2	119	14	77.9	—1.9	70	28	0.00	—0.14	0.00		0	—0.4	6.9	+2.6	0	0	0	0	0
JUNAGADH																					
Veraval	(n) 88.8				(n) 76.6				(m) 0.00		0.00		0		x		0	0	0	0	0
AFGHANISTAN																					
Jalalabad (x)																					
ARABIA																					
Muscat	96.0	—0.3	108	14	84.2	—1.5	77	5	—0.09	+0.09	0.09	22	0	0.0	3.4	+0.2	0	0	0	1	0
HILL STATIONS																					
KASHMIR																					
Srinagar (x)																					
Gulmarg (x)																					
Gurez (x)																					
Sonamarg (x)																					
Dras (x)																					
Kargil (x)																					
Leh (x)																					
Skardu (x)																					

* Data rejected.
(n) Mean for 17 days.
(b) Mean for 29 days.
(m) Mean of 18 days.
(d) Mean for 27 days.
(x) Data not available

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF MAY, 1958.

DIVISION AND STATION	Maximum Temperature of the Air °F				Minimum Temperature of the Air °F				Precipitation (inches)						Wind Velocity (knots)		Weather Number of Days				
	Mean.	Departure from normal.	Highest.	Date.	Mean.	Departure from normal.	Lowest.	Date.	Total of the month.	Departure from normal.	Heaviest fall in 24 hours.	Date.	Days with 0.10 inch or more.	Departure from normal.	Mean.	Departure from normal.	Thunder heard.	Hail.	Fog.	Visibility Code Figure 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
KASHMIR—(*continued*)																					
Misgar	58.2	—	68	1	*	—	—	—	0.13	—	0.05	23	0	—	(a) 5.3	—	0	0	0	0	0
Aliabad (x)																					
Gilgit (x)																					
RAWALPINDI																					
Murree	71.5	—3.6	77	27	53.7	—1.9	42	15	1.89	—0.73	0.81	15	4	—0.8	7.7	+3.2	9	0	0	0	1
PESHAWAR																					
Drosh	79.8	—1.7	93	19	57.0	- 2.0	50	10	2.68	+0.77	1.57	23	6	+1.5	1.2	—1.9	6	1	0	0	1
Cherat	83.9	—1.4	89	20,28	*	—	—	—	0.59	—1.06	0.24	15	3	+0.3	9.9	+3.0	1	0	0	0	0
Kakul	84.3	—	89	19,20,28	62.0	—	54	15	1.31	—	0.54	31	3	—	(x)	—	11	0	0	9	8
Balakot (R)																					
Landikotal	85.3	—	92	19	62.5	—	50	14	0.24	—	0.14	23	1	—	3.4	—	7	0	0	0	1
D. I. KHAN																					
Parachinar	(c) 78.9	—0.6	85	20	(g) 53.9	—1.7	47	14,17,22	2.61	+0.30	1.00	14	6	—0.7	x	—	0	0	0	0	0
Mirashah	89.7	—3.2	96	19,13	66.3	—3.1	57	15	1.02	—0.12	0.91	14	2	—0.4	3.6	—1.1	0	0	0	0	0
Wana	87.2	—1.7	93	6	57.6	—2.4	51	16	0.07	—0.75	0.19	22	1	—1 3	1.2	—	2	0	0	0	3
QUETTA																					
Fortsandeman	89.7	—0.8	94	10,13,29	63.0	—0.9	54	14	0.35	—0.56	0.30	22	1	—1.1	4.2	+1.4	0	0	0	0	0
Hindubagh	83.1		87	10,19,29	56.2		48	22	0.66		0.66	22	1		7.0		0	0	0	0	1
Loralai	87.6		92	5,10,13	56.4		48	16	0.07	—0.53	0.07	22	0	—1.3	5.2		2	0	0	0	0
Harnai									0.00	—0.50	0.00		0	—0.9	x		0	0	0	0	0
Quetta (Samungli)	84.7		90	9	46.7		39	16	0.14		0.07	21,22	0		6.0		2	0	0	0	1
Quetta	83.1		93	14	51.2		43	10,16	0.00		0.00		0		4.0	+1.6	0	0	6	0	0
Chaman	89.2	—1.2	99	29	62.5	—2.6	51	10,14	0.00	—0.13	Tr.	22	0	—0.4	x		0	0	0	0	1
KALAT (NORTH)																					
Kalat	78.5	—4.5	83	2,7	48.3	—3.7	42	11,14,20	0.33	+0.13	0.33	22	1	+0.3	4.3	— 0.5	0	0	0	0	0
Nushki	96.1		102	10	68.4		53	14,15	0.00		0.00		0		x		0	0	0	1	1
Dalbandin	98.3	—2.0	105	10	65.0	—1.0	58	4,27	0.00	—0.07	0.00		0	—0.2	2.4	—2.0	1	0	0	0	3
KALAT (SOUTH)																					
Panjgur	95.0	—2.9	103	11	*				0.16	+0.05	0.16	21	1	+0.7	5.1	+0.6	0	0	0	0	2
AFGHANISTAN																					
Kabul (R)																					
Kandahar	89.2	—	93	4 days.	58.4	—	52	11	0.00	—	0.00	—	0	—	(a) 1.7	—	0	0	0	0	3

(a) Mean for 30 days. (c) Mean for 28 days. (R) Register not received. (g) Mean for 24 days. (x) Data not available. (*) Date rejected.

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PAKISTAN WEATHER REVIEW 1958

Monthly Weather Report

June

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CHIEF FEATURES.

Chief Features.—Pronounced monsoon activity over East Pakistan between the 1st and the 22nd.

West Pakistan.—A low pressure wave which began affecting the region towards the end of the previous month moved away eastwards after causing fairly widespread dust or thunderstorms in Lahore division, Local in Bahawalpur division and scattered in Multan, D.I. Khan, Peshawar and Rawalpindi divisions during the first two days.

It was followed by eight western disturbances which moved in close succession across the north of the region between the 4th and the 19th and two lows which moved from Quetta division to (Indian) Punjab and Kashmir, the first between the 4th and the 7th and the other between the 11th and 14th. They caused scattered dust or thunderstorms over the whole region outside south Kalat division and the Federal Capital Area between the 4th and the 11th and scattered to local dust or thunderstorms and a few showers mainly over the northern divisions during the remaining period except between the 14th and the 17th when dust or thunderstorms occurred in Bahawalpur, Khairpur and Kalat divisions as well.

A low moved thereafter from D.I. Khan division to Kashmir and caused fairly widespread thundershowers in Lahore division and scattered to local dust thunderstorm activity in Peshawar, Rawalpindi, Multan and Bahawalpur divisions between the 21st and the 22nd.

The passage of a low from Multan division to Bahawalpur division and a western disturbance across Rawalpindi division towards the end of the month caused scattered to local thunderstorms or showers over the northern half of the region between the 26th and the 29th and fairly widespread thundershowers in Rawalpindi division, local in Peshawar division and scattered in Hyderabad division and the Federal Capital Area on the 30th.

Day temperatures generally remained above normal over the northern divisions during the last week.

Chief amounts of rainfall were Lahore 1½" on the 2nd and Kakul 1" on the 30th.

The total rainfall during the month was normal in Quetta division, in slight defect in Lahore, Peshawar and Kalat, divisions, in moderate defect in D.I. Khan division and in large defect elsewhere and over the region as a whole.

The mean maximum and mean minimum temperatures were normal over the region outside Lahore, Bahawalpur, Federal Capital Area and Hyderabad divisions where the mean maximum temperature was above normal.

The mean relative humidity was in excess in Federal Capital Area and Hyderabad division, normal in D.I. Khan and Quetta divisions and in defect elsewhere.

The mean cloud amount was in defect over the region outside Rawalpindi, Peshawar and Kalat divisions and the Federal Capital Area where it was normal.

East Pakistan.—Under the influence of a low pressure wave which moved from West Bengal to Assam only scattered thunderstorms or showers occurred over the region between the 1st and the 3rd.

Thereafter, rainfall activity increased over the region between the 5th and the 16th, at first under the influence of a bordering through and subsequently due to the passage of a low pressure wave from West Bengal to Assam between the 12th and the 16th. Fairly widespread rain fell in Dacca division between the 5th and the 7th, in Chittagong division between the 10th and the 11th and scattered to local rainfall elsewhere on other days.

Monsoon advanced into the region by the 18th and caused pronounced rainfall activity practically throughout the region upto the 22nd when fairly widespread rain with locally moderate to heavy falls occurred in Dacca and Chittagong Divisions. Thereafter, the activity slowly declined out local to fairly widespread rainfall continued in most of the divisions during the rest of the month.

Outstanding amounts of rainfall recorded were Cox's Bazar 4" on the 18th and 7" on the 19th ; Sylhet 13" and Cox's Bazar 5" on the 20th Srimangal and Rangpur 4" on the 21st ; Mymensingh 4" on the 22nd Maijdee Court 8" on the 26th Dinajpur 4" on the 27th and Barisal 4" on the 30th.

The total rainfall during the month was in moderate defect over the entire region.

The mean maximum temperature was above normal over the whole region.

The mean minimum temperature, mean relative Humidity and mean cloud amount were all normal every where except in Chittagong Division where the mean minimum temperature was above normal.

Table I contains the divisional means of rainfall, temperature, relative humidity and cloud amount for the 15 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 JUNE, 1958.

Division.	PRECIPITATION.				DEPARTURE FROM NORMAL OF				
							0300 hrs. G.M.T.		
	Actual	Normal.	Departure from normal.	Percentage departure from normal.	Maximum temperature.	Minimum temperature.	Vapour pressure.	Relative humidity.	Cloud.
1	2	3	4	5	6	7	8	9	10
	Inches	Inches	Inches		Degree	Degree	Mb.	%	
EAST PAKISTAN.									
Chittagong	13·66	20·73	—7·07	—34	+2·5	+2·2	+1·7	—3	+0·3
Dacca	9·59	14·71	—5·12	—35	+2·9	+1·7	+1·6	—3	+0·2
Rajshahi	7·89	12·91	—5·02	—39	+3·9	+1·9	+1·3	—4	0
MEAN	10·18	15·87	—5·69	—36	+3·2	+1·9	+1·5	—3	+0·1
WEST PAKISTAN									
Kashmir (x)									
Lahore	1·53	2·01	—0·48	—24	+2·1	+0·5	—2·3	—8	—0·5
Rawalpindi	0·38	2·57	—2·19	—85	+1·4	+0·2	—2·1	—8	+0·1
Multan	0·00	0·92	—0·92	—100	+1·4	—0·4	—3·5	—8	—0·9
Bahawalpur	0·10	0·27	—0·17	—63	+2·0	+1·1	—2·7	—6	—0·8
Peshawar	0·54	0·70	—0·16	—23	+1·9	+0·8	—3·3	—14	—0·2
D. I. Khan	0·57	0·97	—0·40	—41	+1·5	+0·1	—1·0	—5	—0·4
Quetta	0·43	0·41	+0·02	+5	+1·6	+0·1	—0·3	—2	—0·1
Kalat	0·12	0·15	—0·03	—20	+1·5	—0·1	—1·2	—8	—0·2
Federal Capital Area	0·00	0·72	—0·72	—100	+2·7	+0·3	+4·1	+9	+0·1
Hyderabad	0·07	0·52	—0·45	—87	+3·0	+0·5	+2·5	+8	—1·5
Khairpur	0·00	0·20	—0·20	—100	+0·3	+0·5	—2·3	—7	—0·1
MEAN	0·25	0·53	—0·28	—53	+1·7	+0·3	—1·2	—3	—0·5
Junagadh x									

(x) Data not available.

TABLE II—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF JUNE, 1958.

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	oktas									
EAST PAKISTAN																							
CHITTAGONG																							
Cox's Bazar (P.T)	0300	38	1002·2	+0·3	1003·5	85·3	80·5	78·1	32·7	+0·6	79	—6	5·2	+0·9	0	0	2	11	12	5	0	0	0
	1200		999·9		1001·1	84·2	79·6	77·1	32·4		81		5·9		0	0	0	10	14	4	1	0	1
Chittagong (Patenga)	0000	20	1001·1		1001·7	80·3	78·2	77·1	31·9		90		6·4		0	0	1	22	2	0	0	0	5
	0300		1002·4		1003·1	85·7	80·4	78·1	33·1		78		5·8		0	0	1	21	7	1	0	0	0
	1200		999·5		1000·2	86·0	81·9	78·7	33·9		80		6·1		0	0	0	4	16	8	0	1	1
Chittagong	0300	46	1001·6	0·0	1003·1	85·3	80·1	78·2	32·7	+1·2	79	—4	4·9	—1·1	0	0	3	14	12	1	0	0	0
	1200		998·7		1000·2	84·1	80·3	79·1	33·2		83		5·4		1	0	0	3	13	11	1	0	1
Maijdi Court	0000	25	1000·4		1001·3	81·3	79·5	78·9	32·9		91		6·5		0	0	2	6	5	0	0	0	17
	0300		1001·9	+0·3	1002·7	85·3	80·9	79·2	33·5	+0·4	81	—4	6·2	+1·0	0	0	0	11	11	0	0	0	8
	1200		998·8		999·6	85·0	80·5	78·8	33·5		81		5·7		0	0	0	3	17	0	0	0	10
Comilla	0000	29	1000·9		1001·9	80·6	79·3	79·2	33·7		93		4·0		0	0	0	0	1	0	0	0	29
	0300		1001·6	0·0	1002·6	85·6	81·2	78·8	34·7	+2·3	82	0	5·5	+0·1	0	0	0	0	1	0	0	0	29
	1200		998·7		999·7	85·6	81·2	79·2	34·7		82		4·9		0	0	0	0	5	0	0	0	25
Brahmanbaria	0000	32	1000·3		1001·4	81·3	79·7	78·5	33·7		93		5·7		0	0	0	9	8	0	0	0	13
	0300		1001·4	—	1002·5	86·1	81·1	79·0	33·9	+3·3	80	+1	5·1		0	1	0	23	3	0	0	0	3
	1200		998·3		999·4	85·2	80·6	79·4	33·5		81		5·3		0	0	0	7	8	0	0	0	15
Srimangal	0000	69	999·7		1002·1	79·7	78·0	77·0	32·0		92		4·6		0	0	0	1	5	0	0	0	24
	0300		1000·6	+0·3	1003·0	84·6	79·9	77·7	33·5	+2·2	80	—6	5·7	+0·4	0	2	2	9	6	2	0	1	8
	1200		997·1		999·5	84·2	80·5	78·4	34·0		84		6·1		0	0	0	3	3	1	0	1	22
Sylhet	0000	115	997·7		1001·5	78·0	76·9	76·4	31·3		95		6·8		0	2	9	4	2	0	2	0	11
	0300		999·0		1002·9	82·1	78·9	77·3	32·5		78		6·8		1	2	12	0	3	1	1	0	10
	1200		995·2		999·1	84·7	80·3	78·2	33·5		79		5·4		1	3	0	2	1	0	4	0	19
DACCA																							
Mymensingh	0000	62	999·2		1001·3	80·2	78·7	78·2	32·6		93		6·0		0	0	1	2	0	0	2	0	25
	0300		1000·6	+0·3	1002·7	83·9	80·6	79·2	34·0	+2·2	85	—1	6·5	—0·2	0	0	2	20	0	0	3	0	5
	1200		996·8		998·9	85·0	81·1	79·2	34·3		83		6·4		0	0	1	13	0	1	2	0	15
Narayanganj	0000	26	1000·3		1001·2	82·3	80·3	79·5	34·1		91		7·2		0	0	10	11	8	0	0	0	1
	0300		1001·5	+0·4	1002·4	87·3	81·4	78·7	33·4	+0·3	76	—9	7·0	+0·5	0	0	4	11	14	1	0	0	0
	1200		998·1		998·9	87·2	81·0	78·4	33·4		75		6·4		0	0	1	7	13	1	1	1	6
Dacca (Tejgaon)	0000		999·3		1000·2	81·5	80·4	79·9	34·5		96		6·3		0	1	0	21	6	0	0	0	2
	0300		1000·6		1001·6	86·6	81·8	79·9	35·1		80		6·9		0	0	1	20	7	1	0	0	1
	1200		997·3		998·3	85·8	80·6	78·2	33·9		80		6·3		1	0	2	12	10	3	0	1	1

TABLE II—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF JUNE, 1958.

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	oktas									
DACCA—Contd.																							
Faridpur	0000	46	998·9		1000·5	80·4	79·2	79·0	33·4		96		6·2		1	0	0	8	15	0	0	0	6
	0300		1000·0	0·0	1001·5	86·3	82·3	77·4	35·5	+1·6	84	0	6·3	+0·6	0	0	3	8	17	0	0	0	2
	1200		996·7		998·3	86·4	81·5	79·4	33·9		80		5·6		0	0	1	10	12	0	0	1	6
Barisal	0000	11	1000·5		1000·8	82·5	81·0	80·5	36·1		93		5·0		0	0	0	1	9	0	0	0	20
	0300		1001·5	+0·2	1001·9	86·7	82·2	80·0	35·9	+2·2	82	—3	5·8	—0·2	0	0	0	0	11	0	0	0	19
	1200		998·5		998·9	86·4	82·2	80·3	35·5		84		4·8		0	0	1	5	10	0	0	0	14
RAJSHAHI																							
Khulna	0000	16	999·5		1000·1	82·0	80·8	80·6	35·7		96		4·5		0	0	2	1	5	2	0	0	20
	0300		1001·1	+0·5	1001·6	87·5	82·8	81·3	35·9	+2·4	81	+1	5·8	+0·8	0	1	0	9	7	0	0	0	13
	1200		998·0		998·5	87·1	82·2	80·4	35·1		80		4·9		0	0	1	14	8	0	0	0	7
Satkhira	0000	16	999·5		1000·5	82·3	80·8	80·6	35·5		93		1·9		2	0	0	0	7	3	0	0	18
	0300		1000·7	+0·4	1001·2	88·8	83·2	80·7	36·7	+0·2	79	—3	4·7	+0·6	0	1	1	3	8	6	0	0	11
	1200		997·8		998·3	89·6	82·3	79·0	34·4		72		4·5		1	1	0	2	8	3	0	0	15
Jessore	0000	26	999·0		999·9	81·4	80·1	79·9	33·7		93		5·3		0	1	5	6	14	2	1	0	1
	0300		1000·2	—0·1	1001·1	87·3	82·9	81·3	35·9	+2·1	82	—1	5·9	+0·1	1	0	2	11	13	3	0	0	0
	1200		997·3		998·1	89·5	82·4	79·7	34·1		73		4·9		2	0	3	10	15	0	0	0	0
Pabna	0000	48	998·1		999·7	80·8	79·4	79·1	33·7		93		5·1		0	1	6	7	5	0	0	0	11
	0300		999·3		1000·9	87·1	82·2	80·4	35·1	+1·8	80	—4	4·5		0	4	6	17	1	1	0	1	0
	1200		995·9		997·5	87·7	81·0	78·4	33·8		75		5·3		0	0	13	16	1	0	0	0	0
Serajganj	0000	49	997·0		998·6	80·8	80·5	80·3	35·3		98		6·2		0	0	4	4	11	0	0	0	11
	0300		999·1		1000·8	86·4	82·9	78·3	36·3		86		6·0		0	0	5	3	12	1	0	0	9
	1200		995·4		997·0	85·2	82·2	80·4	36·0		87		6·2		0	0	2	4	12	0	0	0	12
Rajshahi	0300												6·0										
Bogra (P.B.O)	0000	65	997·9		1000·1	81·3	79·6	78·9	33·8		92		4·6		0	0	6	9	2	0	0	0	13
	0300		999·4	+0·1	1001·7	86·0	81·3	79·2	34·2	+1·9	80	—5	5·8	—0·1	0	0	5	20	2	2	0	0	1
	1200		995·4		997·6	87·7	81·1	78·5	34·6		75		5·9		0	0	5	16	2	1	0	0	6
Dinajpur	0000	123	995·5		999·7	79·3	77·0	75·9	30·0		89		4·5		0	2	9	0	0	0	0	0	19
	0300		997·4	+0·3	1001·6	84·9	79·1	76·6	31·1	—0·3	75	—11	4·5	—1·5	0	0	10	0	0	0	0	0	20
	1200		993·3		997·4	88·7	81·4	78·0	33·3		71		3·5		0	0	19	0	0	0	0	0	11
Rangpur	0000					77·8	76·6	75·4	31·3		94		6·4		2	4	13	6	1	1	0	0	3
	0300					82·3	78·8	77·3	33·9		85		5·6		2	4	10	10	2	1	1	0	0
	1200					87·4	82·0	79·8	34·2		78		4·0		3	4	8	13	2	0	0	0	0

TABLE II—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF JUNE, 1958.

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 G. or Geopotential of 980 / 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	oktas									
KASHMIR																							
Jammu (x)	0300	1200																					
	1200																						
LAHORE																							
Lahore (P.B. O)	0000	702	973·5		997·2	80·6	70·8	65·0	21·3		60		1·6		2	1	1	2	0	1	1	1	21
	0300		974·8	+0·3	998·2	89·6	73·7	64·7	21·2	—0·7	44	—3	1·0	—0·6	1	4	0	6	0	2	2	2	13
	1200		971·5		994·2	105·3	76·3	59·3	17·8		23		1·3		2	1	0	3	2	8	4	1	9
Lahore (Cantt.)	0000	703	972·6		996·0	82·1	70·9	64·0	20·7		55		1·2		2	4	5	2	3	2	1	4	7
	0300		974·5	—	998·2	89·8	74·7	66·4	22·5	—	47	—	0·8	—	3	0	4	6	4	4	1	6	2
	1200		970·9		993·8	105·1	77·4	62·1	19·5		26		1·1		3	0	2	3	2	5	5	7	3
Lahore (Walton)	0000	699																					
	0300		974·6	—	997·9	90·5	74·2	65·0	21·5	—	44	—	1·3	—	2	0	3	10	1	3	2	7	2
	1200		971·0		993·6	105·4	77·3	61·5	19·2		25		0·7		0	1	2	5	1	1	9	10	1
Sialkot	0000	830	(g) 968·8		(g) 996·7	83·4	69·3	59·1	18·2		46		0·7		1	9	0	1	0	0	0	1	18
	0300		(b) 969·9	—0·6	(b) 997·6	91·3	71·6	61·3	17·7	—3·9	35	—13	1·1	—0·3	0	14	0	1	0	0	0	1	14
	1200		967·1		993·8	104·2	75·2	57·3	17·4		23		1·4		(b) 2	1	0	3	0	5	1	12	5
RAWALPINDI																							
Jhelum	0000	765	971·0		996·9	80·9	66·2	55·6	15·4		42		1·5		1	3	1	1	1	2	1	3	17
	0300		972·6	—	998·1	91·1	70·0	55·4	15·5	—	31	—	1·8	—	1	4	0	6	1	1	3	2	12
	1200		968·7		993·5	103·8	72·7	51·0	13·4		18		2·7		0	1	3	6	5	10	2	2	1
Chaklala	0000	1667	942·9		998·6	77·2	61·8	50·4	11·9		39		2·0		3	4	0	0	1	0	2	5	15
	0300		944·0	—	998·5	89·4	67·5	53·0	9·5	—	29	—	1·5	—	2	4	5	7	1	2	1	0	8
	1200		941·0		994·1	102·4	70·2	48·6	10·6		17		2·6		1	2	2	2	4	3	14	2	0
Rawalpindi	0000	1676	*		*	(b) 77·5	(b) 68·0	(b) 52·1	13·7		42		(b) 2·2		(b) 4	0	1	0	1	1	0	1	21
	0300		*	—	*	91·3	68·5	52·8	14·5	—3·7	28	—9	2·2	+0·3	0	1	2	0	0	2	1	1	23
	1200		*		*	101·8	70·6	50·6	13·0		19		3·4		0	1	3	2	2	4	8	2	8
Khushab	0000	616	976·3		997·1	84·3	71·1	63·3	20·0		50		1·3		3	2	4	1	2	0	2	2	14
	0300		977·4	+0·1	998·0	91·0	74·0	65·2	21·0	+0·2	42	—1	1·2	—0·1	3	6	6	2	0	0	1	0	12
	1200		973·9		993·9	102·3	76·9	65·1	21·0		28		1·3		0	0	7	2	10	2	0	0	9
Sargodha (x)	0000	614																					
	0300																						
	1200																						
MULTAN																							
Lyallpur	0000	605	975·9		996·4	82·6	70·1	62·9	19·5		51		0·9		0	4	1	4	0	2	0	1	18
	0300		977·9	+1·1	998·1	89·2	72·9	62·6	20·3	—1·1	43	—3	0·7	—1·1	0	6	3	4	2	4	2	2	7
	1200		974·5		994·1	105·5	77·1	60·9	18·9		24		0·6		0	5	2	5	2	4	0	0	12
Montgomery	0000	558	977·4		996·2	82·8	71·4	64·7	21·0		55		0·0		1	1	1	0	0	1	1	5	30
	0300		979·1	+0·3	997·8	89·3	74·6	66·6	22·7	—4·1	49	—8	0·0	—1·0	0	0	0	0	0	1	0	0	29
	1200		975·9		993·9	107·3	79·7	66·0	22·1		27		0·4		1	0	0	3	0	3	0	1	22

(*) Data rejected. (x) Data not available. (b) Observation for 29 days. (g) Mean for 24 days.

TABLE II—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF JUNE, 1958.

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 M.S.L. temperature and N.S. Lat. (a Geopotential of 850/700 Mb. 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	oktas									
MULTAN—Contd.																							
Multan (P.B.O)	0000	404	982·4		996·0	86·2	72·7	55·3	21·3		49		0·0		2	0	1	2	9	4	0	0	12
	0300		984·0	—	997·5	92·3	75·6	66·7	22·7	—	44	—	0·1	—	2	2	1	2	8	8	0	2	5
	1200		980·2		993·2	108·3	77·9	66·9	18·8		21		0·5		1	3	1	0	10	9	0	2	4
Multan (Surf)	0300	413	983·8	+0·6	997·6	91·3	74·6	65·5	21·7	—5·2	43	—13	0·2	—0·6	4	4	1	6	2	9	0	0	4
	1200		980·3		993·7	108·2	77·4	59·9	18·8		21		0·4		3	3	0	1	1	12	4	0	6
BAHAWALPUR																							
Leish (R)	0000	487																					
	0300																						
	1200																						
Khanpur (Surf)...	0300	297	*	—	*	89·8	*	*	*	—	*	—	0·2	—0·8	1	1	1	1	2	10	11	0	3
	1200		*		*	110·0	*	*	*		*		0·2		3	1	0	0	2	7	6	1	10
Khanpur (P.B.O)	0000	290	986·5		996·3	86·5	75·4	69·4	25·4		58		0·1		1	2	0	0	5	15	1	0	6
	0300		988·1	—	997·9	90·3	77·4	70·6	26·2	—	54	—	0·1	—	3	0	1	0	3	18	5	0	0
	1200		983·8		993·2	100·3	77·9	60·3	18·3		21		0·8		0	3	0	0	0	10	8	3	6
Bahawalpur	0300	384	984·8	+0·2	997·5	91·9	77·3	70·1	25·3	—2·7	50	—6	0·2	—0·8	(b) 1	0	0	0	8	7	0	1	12
	1200		981·2		993·7	108·5	80·2	68·8	22·2		26		1·7		(b) 1	0	1	1	3	4	2	0	17
Fort Abbas	0000	475	980·3		996·6	89·7	(g) 73·0	63·7	20·1		42		0·1		0	3	0	3	0	23	0	0	1
	0300		982·2	—	998·0	95·6	(b) 76·0	(b) 66·4	21·8	—	39	—	1·1	—	0	3	1	3	1	21	0	0	1
	1200		978·5		993·8	110·7	77·6	61·3	18·0		20		1·4		0	6	0	1	0	21	0	2	0
PESHAWAR																							
Chakdara	0000	2197	924·8		997·6	73·8	59·7	47·7	11·8		41		1·5		10	0	4	3	0	0	2	0	11
	0300		925·9	—	997·6	81·0	64·5	51·6	14·0	—	39	—	1·5	—	2	0	1	4	1	0	0	0	22
	1200		921·5		990·6	98·6	69·3	49·4	12·5		21		2·4		4	3	0	0	7	5	2	1	8
Peshawar	0000	1177	958·1		997·7	78·7	63·2	49·7	12·8		39		1·5		3	1	1	7	3	8	2	1	4
	0300		959·5	+0·1	998·3	89·7	68·4	53·0	13·6	—3·3	29	—7	1·2	—0·5	4	1	5	6	1	1	0	3	9
	1200		955·9		993·8	102·3	70·8	46·1	11·5		16		3·1		0	13	7	2	3	2	1	0	2
Risalpur	0000	1009	963·8		998·2	76·8	62·8	51·4	13·3		42		1·3		2	6	1	1	0	2	3	0	15
	0300		965·0	—	999·2	88·8	66·8	49·9	12·5	—	27	—	1·1	—	3	4	0	2	0	3	7	1	10
	1200		961·5		993·7	105·9	70·9	39·3	9·9		12		3·0		1	0	1	1	0	6	9	4	8
Haripur	0300	1759	940·2	—	997·6	89·2	74·7	67·7	23·4	—	50	—	3·0	—	(e) 0	3	0	6	6	8	5	0	0
	1200		937·7		993·5	103·7	79·3	68·7	24·2		33		3·0		(e) 0	9	0	3	3	7	0	6	0
Campbellpur	0300	1175	959·3	—	998·1	90·4	(e) 68·9	(e) 53·8	14·4	—	29	—	1·5	—	3	5	7	3	0	0	1	0	11
	1200		955·9		993·1	106·0	(e) 72·5	(e) 48·0	12·1		15		3·5		1	3	1	5	2	3	4	9	0

(R) Register not received. (*) Data rejected. (b) Observation for 29 days. (c) Observation for 28 days. (e) Mean for 26 days. (f) Mean for 16 days. (g) Mean for 24 days.

TABLE II—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF JUNE, 1958.

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 mb. 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	oktas									
D. I. KHAN																							
Kohat	0000	1667	943·0		998·1	83·4	64·7	51·7	13·3		33		1·3		3	0	0	0	0	0	2	17	8
	0300		944·4	—	998·9	90·8	68·3	53·9	14·5	—	29	—	1·2	—	2	1	2	0	0	1	0	14	10
	1200		941·3		994·6	101·2	69·9	49·2	12·2		17		3·4		0	7	0	5	0	5	4	4	5
Bannu	0000	1263	953·4		994·0	81·2	68·5	61·8	18·2		50		1·5		4	0	2	0	0	0	11	3	10
	0300		954·3	—	996·6	84·1	71·2	65·8	20·0	+0·9	50	+8	1·6	+0·2	1	1	2	0	1	2	10	6	7
	1200		951·5		993·4	102·4	76·9	62·9	20·0		28		2·4		0	2	2	18	1	1	0	2	4
D. I. Khan	0000	570	*		*	83·6	70·3	62·8	19·3		49		0·4		0	0	0	0	0	0	0	0	30
	0300		*	—	*	91·4	75·1	66·5	22·4	—3·1	44	—9	1·0	—0·1	0	6	0	1	0	0	0	1	22
	1200		*		*	108·1	78·5	62·6	19·8		24		1·4		0	0	1	0	0	0	1	1	27
QUETTA.																							
Sibi	0000	441	981·8		996·6	89·5	74·8	66·8	22·8		48		0·3		0	0	0	0	0	0	0	0	30
	0300		983·5	+1·3	998·2	94·1	78·6	71·6	26·3	+5·3	48	+8	1·2	+0·7	0	0	0	2	0	0	0	0	28
	1200		980·1		994·0	111·6	85·5	72·7	29·8		33		1·4		1	0	1	3	0	9	1	0	15
KALAT (North).																							
Nokkundi	0000	2229	924·8		998·3	81·1	60·6	44·1	9·8		27		0·0		11	4	0	0	1	2	1	11	0
	0300		926·4		998·9	87·8	64·0	46·7	10·7	—8·5	24	—16	0·0	—0·6	6	6	4	3	0	1	3	7	0
	1200		923·5		993·3	107·8	68·1	36·1	7·3		09		0·0		8	1	1	1	0	1	5	13	0
KALAT (South)																							
Turbat*	0000	510																					
	0300																						
	1200																						
Jiwani	0000	185	992·4		998·7	82·1	80·6	79·5	35·0		93		2·2		0	0	0	4	7	8	5	0	6
	0300		993·7		1000·0	86·4	81·5	79·3	34·6		80		2·7		0	0	1	8	5	6	6	1	3
	1200		991·3		997·5	92·4	82·4	78·2	33·3		64		2·0		0	0	0	5	7	11	7	0	0
Pasni	0000	28	997·6		998·6	82·2	80·7	79·2	34·9		93		1·8		0	1	3	3	1	1	13	1	7
	0300		999·3	+0·1	1000·3	85·3	82·0	80·5	35·7	+2·7	86	+3	1·8	+1·2	0	3	5	1	3	1	12	1	4
	1200		997·0		997·9	92·2	84·1	80·7	36·2		70		1·0		0	0	1	0	7	19	3	0	0
Ormara	0000	15	998·2		998·7	83·9	78·7	76·4	31·2		78		3·6		0	0	1	0	0	10	11	0	8
	0300		1000·4		1009·9	86·7	79·5	76·2	31·2	—1·9	72	—12	4·3	+0·6	0	0	1	1	0	6	14	0	8
	1200		997·5		998·0	92·4	81·0	76·1	31·0		59		1·7		0	0	0	0	3	9	17	0	1
Las Bela	0000	292	*			84·4	77·3	74·1	28·8		71		0·3		0	0	0	2	0	0	0	0	28
	0300		990·7	+0·2	1000·5	87·7	80·8	77·8	33·3	+2·6	73	—2	0·7	—2·4	2	1	7	1	3	1	1	0	14
	1200		987·7		996·9	102·3	81·6	72·2	27·0		39		1·4		1	0	2	19	3	2	0	2	1

(*) Data rejected.

TABLE II—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF JUNE, 1958.

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 C.P.M.	Dry bulb.	Wet bulb.	Dew point.	Vapour pressure.	Departure from normal.	Relative humidity.	Departure from normal.	Mean amount.	Departure from normal.	N	NE	E	SE	S	SW	W	NW	Calm.
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas	oktas									
FEDERAL CAPITAL AREA																							
Karachi (Manora)	0000	13	998·0		998·5	82·9	80·9	80·3	35·3		91		4·6		0	0	0	0	0	11	16	2	1
	0300		999·4	—0·3	999·9	85·3	83·2	82·3	37·6	+4·1	92	+9	4·6	+0·1	0	0	0	0	0	11	15	3	1
	1200		997·5		998·0	90·0	86·3	85·2	41·3		85		4·3		0	0	0	0	0	13	17	0	0
Karachi (Mauripur)	0000	52	996·8		998·6	84·3	81·1	80·0	34·8		86		3·1		0	0	0	0	1	10	19	0	0
	0300		998·0		999·8	86·5	82·0	80·2	35·3		82		4·8		0	0	0	0	0	9	19	2	0
	1200		995·6		997·3	89·7	83·8	81·7	36·5		84		2·6		0	0	0	0	0	23	7	0	0
Karachi (City)	0300	20	1002·7		1003·6	87·2	82·0	79·7	34·4		80		4·0		0	0	0	0	0	18	10	2	0
	1200		995·6		996·5	88·6	83·0	81·0	36·7		79		3·6		0	0	0	0	0	23	6	1	0
Karachi (P.A.F)	0000	24	997·8		998·7	84·0	80·8	79·5	34·5		86		3·2		0	0	0	0	0	25	4	0	1
	0300		998·9		999·8	86·8	81·9	79·7	35·0		80		4·2		0	0	0	0	0	25	4	1	0
	1200		996·5		997·4	90·4	83·4	80·7	35·9		74		2·0		0	0	0	0	0	29	1	0	0
Karachi (Airport)	0000	73	996·4		998·9	84·0	81·5	80·5	35·6		89		4·1		0	0	0	0	0	16	12	0	8
	0300		997·7		1000·2	86·5	82·3	80·7	35·8		83		4·9		0	0	0	0	1	14	14	1	0
	1200		995·3		997·8	90·5	84·7	82·6	37·4		78		3·3		0	0	0	0	3	19	8	0	0
HYDERABAD.																							
Badin	0000	31	997·4		998·5	83·0	78·6	76·8	31·4		81		0·0		0	0	0	0	0	29	0	1	0
	0300		998·8	0·0	999·9	84·4	80·3	78·5	33·4	+2·4	83	+10	0·0	—3·1	0	0	0	0	0	30	0	0	0
	1200		996·3		997·3	100·6	82·1	74·1	29·0		43		0·0		1	0	0	0	0	29	0	0	0
Nagarparkar	0000	178	993·1		999·0	86·2	78·6	74·4	29·9		70		0·5		0	0	0	1	1	15	6	0	7
	0300	(Prov.)	993·2		999·1	87·8	79·5	75·2	30·6		69		0·5		0	0	0	4	3	13	4	2	4
	1200		989·3		995·1	104·2	81·6	70·8	26·5		36		0·8		0	0	0	1	2	19	2	4	2
Umarkot	0000	55	995·6		997·5	83·0	79·0	77·0	32·0		83		0·0		0	0	0	2	3	23	1	0	1
	0300		996·5		998·4	85·5	80·2	78·8	32·8		76		1·4		0	0	0	0	3	26	0	0	1
	1200		993·5		995·3	106·2	83·0	73·1	27·9		36		0·0		0	0	0	0	0	25	2	3	0
Chhor	0000	19	997·7		998·4	82·5	78·1	76·2	30·9		83		2·2		0	0	0	1	5	22	1	0	1
	0300		998·7		999·3	86·8	80·2	77·4	32·2		74		2·6		0	1	0	0	4	25	0	0	0
	1200		994·9		995·5	104·5	81·3	70·6	25·9		35		0·8		0	0	0	0	0	27	3	0	0
Hyderabad	0000	98	993·9		997·3	82·9	77·9	75·7	30·4		79		0·7		0	1	0	0	0	29	0	0	0
	0300		995·3	—0·1	998·7	86·8	79·2	75·9	30·6	+2·5	71	+6	1·8	—0·2	0	0	0	0	0	29	0	0	1
	1200		992·3		995·6	102·3	80·0	69·4	24·8		35		1·1		0	1	0	0	1	27	0	0	1

TABLE II—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF JUNE, 1958.

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
	G.M.T	Ft.	Mb.	Mb.	Mb	°F	°F	°F	Mb.	Mb.	%	%	oktas	oktas									
KHAIRPUR																							
Pad Idan	0000	153	990·5		995·7	83·6	73·7	68·1	24·1		61		0·4		0	0	0	11	15	1	1	0	2
	0300		992·0		997·2	88·4	76·6	70·4	25·1		56		0·3		0	1	1	17	9	0	1	0	1
	1200		988·7		993·6	111·9	81·5	67·0	22·8		24		0·3		5	1	0	6	8	1	3	0	6
Nawabshah	0000	124	992·4		996·7	83·2	76·4	73·1	28·0		72		0·5		0	0	1	2	22	0	0	0	5
	0300		993·9		998·1	89·0	78·9	74·3	29·2		63		0·5		0	0	0	2	25	0	0	2	1
	1200		990·6		994·7	109·7	81·6	67·6	24·0		28		0·9		1	1	0	4	16	5	0	2	1
Sukkur	0300	221	989·9	—0·2	997·4	87·8	77·8	72·8	28·2	—0·3	62	—5	0·5	0·0	0	1	0	4	2	13	0	2	8
	1200		986·1		993·3	109·0	82·4	70·3	25·8		30		0·5		0	1	0	0	1	12	0	0	16
Kashmore	0000	255	(c) 988·6		(c) 997·2	(c) 84·2	(c) 74·4	(c) 69·2	23·9		60		(c) 0·2		3	5	1	2	(c) 15	0	0	0	2
	0300		(c) 989·8		(c) 998·2	(c) 89·7	(c) 77·7	(c) 71·0	27·3		57		(c) 0·4		0	4	1	4	15	(c) 2	0	0	2
	1200		(c) 985·3		(c) 993·5	(c) 109·7	(c) 79·6	(c) 66·4	21·3		24		(c) 0·6		1	3	0	2	16	4	(c) 1	0	1
Jacobabad	0000	183	989·6		995·8	85·7	75·4	69·1	25·4		60		0·1		0	1	11	10	4	1	0	1	2
	0300		991·5	+0·5	997·7	91·2	78·1	71·3	26·9	—4·4	54	—9	0·4	—0·2	0	1	7	13	7	2	0	0	0
	1200		987·1		992·9	112·5	82·3	66·6	24·0		26		0·9		2	0	3	10	11	2	1	0	1
JUNAGADH																							
Veraval (R)	0000	26																					
	0300																						
	1200																						
Jalalabad (x)	0300	1950																					
	1200																						
ARABIA.																							
Muscat	0300	20	999·5		1000·2	93·0	78·6	70·9	26·9		50		0·6	—0·6	1	0	3	0	1	2	2	15	6
	1200		997·7		998·4	95·5	80·1	73·1	28·1		49		0·2		1	6	1	0	1	0	3	15	3

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

TABLE II—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF JUNE, 1958.

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	oktas									
HILL STATIONS.																							
KASHMIR.																							
Srinagar (x)	0000	5205																					
	0300																						
	1200																						
Gulmarg (x)	0300	8709																					
	1200																						
Gurez (x)	0300	—																					
	1200																						
Sonemarg (x)	0300	—																					
	1200																						
Dras (x)	0300	—																					
	1200																						
Kargil (x)	0300	—																					
	1200																						
Leh (x)	0300	—																					
	1200																						
Skardu (x)	0000	7250																					
	0300																						
	1200																						
Misgar	0000	10190	*		*	38·7	33·0	24·9	4·6		53		1·5		0	0	0	0	0	0	0	0	30
	0300		700·0	—	3103·5	51·1	38·0	21·1	4·3	—	32	—	1·5	—	0	0		0	0	0	0	0	30
	1200		697·5		3074·2	65·3	45·3	20·1	4·1		19		1·7		0	0	11	0	0	0	10	0	9
Aliabad (x)	0300	6850																					
	1200																						
Gilgit (x)	0000	4950																					
	0300																						
	1200																						
RAWALPINDI.																							
Murree	0000	7113	780·5		1435·3	63·8	51·8	41·6	8·8		44		2·7		0	1	2	4	0	[illegible]	0	22	1
	0300		781·5	0·0	1436·0	70·9	55·5	43·4	9·5	—2·7	37	—15	2·4	+0·2	1	3	3	4	[illegible]	[illegible]	14	3	2
	1200		780·2		1411·9	77·6	58·8	44·7	10·2		32		4·5		1	2	3	3	1	2	7	10	1

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

TABLE II—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF JUNE, 1958.

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. and height 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	oktas									
PESHAWAR.																							
Drosh	0000	4806	848·1		1444·2	70·9	53·7	34·2	7·2		28		1·5		1	3	1	1	0	0	0	0	24
	0300		849·1	+0·5	1454·5	77·2	57·8	39·1	8·5	—4·9	26	—24	1·6	+0·6	0	2	3	0	0	0	0	0	25
	1200		844·7		1408·1	91·2	61·3	31·2	6·3		12		3·7		1	3	0	0	0	12	1	1	12
Cherat	0000	4272	*		*	77·3	62·0	49·1	13·1		40		0·7		10	1	0	2	6	0	0	11	0
	0300		863·2	+0·5	1443·5	80·8	62·8	54·4	12·3	—1·6	34	—11	0·6	—0·8	9	2	0	2	3	0	2	12	0
	1200		862·3		1443·2	90·7	65·4	48·9	11·2		22		2·9		4	1	1	7	10	0	0	7	0
Kakul	0000	4214	864·5		1430·5	72·8	57·0	42·1	9·5		35		2·2		4	11	4	0	0	0	0	11	0
	0300		865·1	—	1440·4	84·6	60·6	44·7	8·4		21	—	2·3		2	0	2	3	1	2	4	16	0
	1200		863·0		1420·2	90·8	63·5	40·5	9·2		18		3·3		1	4	2	0	8	7	6	2	0
Balakot (R)	0000	3226																				*	
	0300																						
	1200																						
Landikotal	0000	3503	884·3		1416·7	75·7	59·9 (e)	46·8 (e)	11·2		36		0·8		7	2	0	0	0	0	0	5	16
	0300		885·9	—	1432·4	84·9	63·1 (b)	46·2 (b)	11·0	—	27	—	1·1	—	8	1	0	0	0	0	0	6	15
	1200		883·2		1414·7	94·6 (b)	66·3 (b)	44·0	9·3		15		2·4		11	3	0	1	1	0	0	9	5
D. I. KHAN																							
Parachinar	0000	5673	*		*	63·4 (d)	52·7 (d)	41·9 (d)	9·7		48		0·8 (d)		27 (d)	0	0	0	0	0	0	0	0
	0300		*	—	*	74·4 (d)	57·9 (d)	44·7 (d)	10·5	—1·5	35	—8	0·5 (d)	—0·9	0	0	0	0	0	0	0	0	27
	1200		*		*	85·3 (b)	61·8 (b)	43·7 (b)	10·4		25		2·8 (b)		0	0	0	29	0 (b)	0	0	0	0
Miranshah	0000	3026	899·6		1414·7	82·8	64·8	53·0	13·7		36		0·8		0	5	1	1	0	0	0	0	23
	0300		900·6	—	1436·6	86·1	69·1	59·3	17·4	+1·2	41	—5	0·4	—0·6	0	2	0	1	0	4	0	6	17
	1200		896·5		1421·4	96·3	66·7 (i)	54·7 (i)	10·2		19		1·3		0	16	0	3	0	3	0	0	8
Wana	0300	4503	855·8	—	1431·7	76·6	59·6 (e)	45·3 (e)	10·6	—2·6	34	—9	0·2	—0·8	0 (d)	0	1	0	0	0	0	0	26
	1200		853·5		1406·7	92·1	63·5	40·6	8·3		17		2·3		0 (i)	3	12	8	1	0	0	1	2
QUETTA.																							
Fort Sandeman	0300	4614	853·8	+1·5	1442·9	80·5	61·2	44·9	10·6	—2·2	30	—24	0·5	—0·2	1	1	2	1	1	0	2	0	22
	1200		851·1		1416·4	96·6	64·1	33·9	7·2		13		3·0		0	4	3	2	4	7	3	2	5
Hindubagh	0000	5909	815·4		1442·1	65·2	50·4	35·2	7·2		34		0·1		0	0	0	0	2	0	25	0	3
	0300		816·4		1443·6	78·3	58·3	42·4	9·5		28		0·0		0	0	0	0	0	0	11	2	17
	1200		814·2		1407·7	91·3	62·9	42·2	9·4		19		1·0		0	0	0	0	2	0	27	0	1
Loralai	0000	4699	848·6		1417·0	68·6	60·8	53·1	15·1		63		0·9		1	0	0	0	0	3	16	7	3
	0300		849·4		1425·0	74·3	65·1	57·0	17·4		60		0·7		2	0	1	0	0	2	10	11	4
	1200		846·9		1399·0	93·7	*	*					3·3		0	2	0	4	3	8	3	9	1

(R) Register not received. (*) Data rejected. (b) Observations for 29 days. (d) Observations for 27 days. (e) Mean for 26 days. (i) Mean for 22 days.

TABLE II—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF JUNE, 1958.

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	oktas									
QUETTA—Contd.																							
Harnai	0300												0·4		0	0	0	0	0	0	30	0	0
	1200												1·5		0	0	23	0	3	0	4	0	0
Quetta (Samungli)	0000	5213	(b) 834·7		(b) 1433·2	(d) 57·7	(f) 47·8	(f) 37·9	7·8		48		0·5		0	0	7	12	1	3	1	3	3
	0300		835·6		1437·1	74·5	58·3	45·9	10·8		37		1·1		1	0	4	5	1	3	5	0	11
	1200		832·9		1402·1	93·5	66·8	48·6	12·8		24		1·9		1	0	1	0	0	3	15	10	0
Quetta	0300	5490	826·6	—1·2	1425·8	74·6	68·6	64·4	21·7	+6·3	74	+20	0·7	+0·2	0	2	1	2	2	3	1	0	19
	1200		824·6		1397·3	91·1	79·6	74·7	30·3		61		1·8		6	1	1	0	1	2	7	11	1
Chaman	0000	4311	861·5		1429·9	76·5	57·9	42·0	8·9		29		0·0		0	28	0	0	0	0	0	0	2
	0300		826·8	+1·2	1444·9	85·7	64·8	50·0	12·5	+1·7	29	+1	0·0	—0·4	0	1	0	12	0	5	2	4	6
	1200		860·5		1427·4	97·7	70·6	54·0	14·6		24		0·5		0	0	0	0	0	8	9	13	0
KALAT (North).																							
Kalat	0000	6616	796·2		1459·4	59·0	49·5	40·4	8·7		51		0·0		0	0	0	7	8	0	0	0	15
	0300		797·3	+1·5	1455·4	74·8	58·9	46·8	11·3	+0·6	38	—2	0·0	—0·5	1	2	0	8	12	1	0	2	4
	1200		795·3		1420·7	85·1	61·1	41·3	9·8		24		0·3		8	1	0	3	5	0	2	11	0
Nushki	0000	3416	*		*	*	*	*	*		*		(b) 0·0		2	10	13	2	1	(b) 0	0	1	0
	0300		894·4		1489·0	83·8	61·6	43·1	9·8		25		0·0		6	9	10	2	2	0	0	1	0
	1200		891·0		1471·4	104·2	72·1	49·9	13·8		19		0·0		17	1	1	0	3	0	2	6	0
Dalbandin	0000	2785	907·2		1411·7	76·4	56·9	38·0	7·9		25		1·3		2	3	0	0	0	1	8	8	8
	0300		908·8	+0·4	1435·3	83·6	60·0	38·2	8·2	—2·7	21	—7	1·2	+0·6	0	5	2	3	1	4	3	3	9
	1200		905·6		1427·1	105·6	68·3	38·9	8·4		11		2·5		2	7	0	4	1	4	2	10	0
KALAT (South).																							
Panjgur	0000	3177	896·8		1433·2	78·0	61·3	47·5	11·8		36		2·6		11	9	0	0	1	1	1	7	0
	0300		897·6	+1·0	1443·0	79·3	60·5	44·7	10·4	—8·4	30	—21	0·3	—0·3	3	10	2	0	0	1	0	3	11
	1200		895·5		1441·7	102·6	66·2	35·2	7·2		10		1·6		2	3	0	1	0	3	1	18	0
AFGHANISTAN.																							
Kabul (x)	0300	5955																					
	1200																						
Kandahar	0300	3462	892·4	—	1475·1	73·9	62·5	54·5	14·7	—	51	—	0·7	—	0	3	1	6	1	2	1	1	15
	1200		889·1		1458·8	94·3	73·1	61·1	19·2		35		1·2		2	1	0	0	0	11	7	3	6

(*) Data rejected. (x) Data not available. (b) Observation for 29 days. (d) Observations for 27 days. (f) Mean for 22 days.

TABLE III—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF JUNE, 1958.

Division and Station	Maximum Temperature of the Air °F				Minimum Temperature of the Air °F				PRECIPITATION (Inches).						Wind Velocity (Knots).		Weather Number of Days.				
	Mean.	Departure from normal.	Highest.	Date.	Mean.	Departure from normal.	Lowest.	Date.	Total of the month.	Departure from normal.	Heaviest fall in 24 hours.	Date.	Days with 0·10" or more.	Departure from normal.	Mean.	Departure from normal.	Thunder heard.	Hail.	Visibility Code Figure 93 or Less. Fog.	Haze (dust)	Dust Storm.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
CHITTAGONG.																					
Cox's Bazar (P.T)	88·1	+1·8	95	6 days	78·0	+1·6	70	10	22·54	—8·60	6·36	19	14	—5·1	3·9	0·0	12				
Chittagon (Patenga)	90·0		95	8	79·4		73	20	11·53		5·30	18	10		x		8				
Chittagong	89·9	+3·0	96	7	79·4	+2·6	74	20	9·78	—11·21	3·33	18	9	—7·7	4·9	—2·1	8				
Maijdi Court	89·7	+2·7	94	4 days	79·0	+0·6	73	20	19·30	—1·26	8·38	26	17	—1·3	x						
Comilla	91·5	+3·2	97	4	78·9	+2·1	74	20,22	9·28	—9·00	1·21	20	12	—5·1	1·6	—3·5	2				
Brahmanbaria	91·8	+1·6	96	4 days	79·5	+4·9	73	21	4·27	—10·28	2·41	12	5	—11·0	3·4		3				
Srimangal	92·3	+2·4	98	3	76·8	+1·3	72	10	16·78	—2·08	4·00	21	16	—4·1	1·6	—1·6	15				
Sylhet	90·0		95	4 days	76·7		71	4	33·67		13·22	20	20		x		19				
DACCA.																					
Mymensingh	90·8	+3·0	97	3	77·7	+0·8	73	12	16·30	—1·36	3·50	22	16	—1·8	1·9	—0·3	8				
Narayanganj	92·4	+3·2	97	5 days	80·9	+2·8	74	9	6·65	—5·74	1·90	7	11	—3·5	3·9	—0·4	5				
Dacca (Tejgaon)	91·6		97	5,6	80·4		75	22	6·17		1·72	22	9		6·9		12				
Faridpur	92·3	+3·1	96	2	78·2	+0·8	74	2	4·89	—7·90	1·34	25	8	—7·2	3·2	—3·3	3				
Barisal	91·3	+2·5	96	7	80·6	+2·3	77	20,23	10·52	—5·53	2·49	28	12	—4·7	4·2	+1·2	4				
RAJSHAHI.																					
Khulna	92·9	+2·3	97	2,3,5	80·6	+1·7	75	8	9·02	—3·44	3·30	22	11	—3·7	x						
Satkhira	93·3	+1·5	104	5	79·1	+0·3	64	19	3·97	—8·23	1·10	19	6	—7·7	3·0	+0·1					
Jessore	95·0	+4·3	101	5	80·0	+2·1	72	10	2·91	—9·31	1·10	10	5	—9·0	3·1	+0·1					
Pabna	95·2	+5·6	100	5	80·1	+4·5	75	10	6·22	—5·05	1·25	9	7	—7·5	x						
Sirajganj	92·9		98	4 days	79·4		73	9	8·95	—3·37	2·52	18,26	7	—7·3	4·6		6				
Rajshahi									1·91	—9·31	0·65	14	5	—8·2							
Bogra (P.B.O)	95·8	+6·0	102	3,4	79·3	+2·1	72	6	6·38	—6·66	1·82	21	9	—5·5	2·9	+0·8	5				
Dinajpur	95·1	+5·6	107	4	78·0	+0·7	69	6	13·58	—0·06	3·69	27	10	—4·1	3·1	+0·5	9				
Rangpur	99·8		98	3	76·3		71	13	18·07	+0·29	3·82	21	16	+0·3	3·1		2				

(x) Data not available.

TABLE III—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF JUNE, 1958.

Division and Station	Maximum Temperature of the Air °F				Minimum Temperature of the Air °F				PRECIPITATION (Inches).						Wind Velocity (Knots).		Weather Number of Days.				
																			Visibility Code Figure 93 or Less.		
	Mean.	Departure from normal.	Highest.	Date.	Mean.	Departure from normal.	Lowest.	Date.	Total of the month.	Departure from normal.	Heaviest fall in 24 hours.	Date.	Days with 0·10" or more.	Departure from normal.	Mean.	Departure from normal.	Thunder heard.	Hail.	Fog.	Haze (dust)	Dust Storm
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
KASHMIR																					
Jammu (x)																					
LAHORE																					
Lahore (P.B.O)	106·8	+0·9	114	17,18	79·6	+0·6	66	1	2·13	+0·49	1·50	22	3	+0·2	2·2	0·0	5	0	0	4	5
Lahore (P.A.F)	106·5	—	114	17	79·8	—	67	1	1·80	—	0·83	22	3	—	5·0	—	6	0	0	2	8
Lahore (Walton)	106·9	—	113	4 days	79·5	—	65	1	2·80	—	1·90	13	3	—	5·7	—	3	0	0	3	5
Sialkot	108·3	+3·3	115	17	80·7	+0·4	68	1	0·92	—1·47	0·42	13	3	—0·5	(b) 2·7	+0·6	0	0	0	0	6
RAWALPINDI																					
Jhelum	107·3	—	114	17	79·1	—	66	1	0·73	—	0·32	9	3	—	2·8	—	10	1	0	0	5
Chaklala	104·5	—	112	16,17,26	75·0	—	60	1	0·41	—	0·23	30	2	—	5·8	—	10	0	0	0	8
Rwalpindi	105·0	+1·5	113	17,26	75·6	—0·3	61	1,10	0·36	—1·95	0·31	27	1	—2·3	(x)	—	3	0	0	0	1
Khushab	109·1	+2·5	116	16,17,27	82·2	—0·1	68	1	0·09	—1·32	0·03	8,17,18	0	—2·3	(b) 4·6	—0·4	3	0	0	0	0
Sargodha (x)																					
MULTAN																					
Lyallpur	106·9	+0·9	117	26	81·6	—0·1	63	1	0·00	—1·22	0·00	—	0	—2·1	2·7	—0·1	1	0	0	0	6
Montgomery	108·0	+0·2	115	16,22,27	80·8	—2·5	69	1,2	0·00	—0·98	0·00	—	0	—1·6	2·0	—2·8	0	0	0	0	0
Multan (P. B. O.)	110·1	—	116	26	84·4	—	68	1	0·00	—	0·00	—	0	—	4·4	—	3	0	0	11	8
Multan (Surf)	109·7	+3·1	115	27	86·2	+1·4	71	1	0·00	—0·55	0·00	—	0	—1·0	2·1	—0·2	2	0	0	3	3
BAHAWALPUR																					
Leiah (R)																					
Khanpur (Surf)	112·2	+2·4	116	4	*	—	—	—	0·00	—0·26	0·00	—	0	—0·6	4·4	—2·7	0	0	0	0	0
Khanpur (P. B. O.)	110·2	—	115	4	84·6	—	71	2	0·00	—	0·00	—	0	—	(b) 6·2	—	0	0	0	2	2
Bahawalpur	110·0	+1·6	115	4	84·6	+1·1	67	1	0·20	—0·08	0·20	14	1	+0·4	3·9	—0·6	0	0	0	0	2
Fort Abbas	113·0	—	118	4,26,27	87·8	—	67	1	0·00	—	0·00	—	0	—	(f) 6·0	—	0	0	0	0	0

(R) Register not received. (*) Data rejected. (x) Data not available. (b) Mean for 29 days. (f) Mean for 25 days.

TABLE III—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF JUNE, 1958.

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 norms'.	Highest.	Date.	Mean.	Departure from normal.	Lowest.	Date.	Total of the month.	Departure from normal	Heaviest fall in 24 hours.	Date.	Days with 0·10″ or more.	Departure from normal.	Mean.	Departure from normal	Thunder heard.	Hail.	Visibility Code Figure 93 or Less. Fog.	Haze (dust)	Dust Storm
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
PESHAWAR																					
Chakdara	100·2	—	109	15,24,25	71·8	—	64	1	0·00	—	0·00	—	0	—	(x)	—	4	0	0	0	0
Peshawar	104·6	—0·4	113	26	77·0	—0·2	67	1	0·29	—0·02	0·29	27	1	+0·1	3·5	+1·3	7	0	0	0	7
Risalpur	104·6	—	117	25	74·1	—	62	1	0·03	—	0·03	27	0	—	3·8	—	6	0	0	0	3
Haripur	107·1	—	114	26	76·5	—	62	2	0·00	—	0·00	—	0	—	(m) 4·5	—	0	0	0	0	0
Campbellpur	107·8	—	114	4 days	78·0	—	63	1	0·08	—	0·08	27	0	—	4·7	—	0	0	0	0	0
D. I. Khan																					
Kohat	106·3	—	114	16,26	80·8	—	70	5,6	0·31	—	0·14	6	2	—	5·2	—	13	0	0	0	3
Bannu	105·0	—1·1	116	26	79·1	—0·6	70	1	0·28	—0·63	0·21	9	1	—0·5	2·0	—	2	0	0	0	5
D. I. Khan	110·4	+2·6	118	17	82·1	+0·6	73	1,2	0·29	—0·32	0·20	18	1	—0·3	2·1	+0·3	0	0	0	0	0
QUETTA																					
Sibi	116·7	+4·0	121	5,27	87·3	—0·2	78	14	0·56	+0·26	0·56	14	1	+0·5	2·4	—2·5	0	0	0	0	0
KALAT (North)																					
Nokkundi	109·9	+0·6	116	13	78·3	—3·5	70	1	0·00	0·00	0·00		0	0·0	x		0	0	0	0	0
KALAT (South).																					
Turbat	*				x				0·00		0·00		0		x		1	0	0	0	0
Jiwani	96·0		107	18	82·1		78	20	0·00		0·00		0		9·1		0	0	0	0	1
Pasni	96·3	+2·5	108	4	79·8	+1·3	69	3	0·00	—0·26	0·00		0	—2·0	7·9	+1·3	0	0	0	0	1
Ormara	94·7	+2·0	103	2	83·2	+1·2	79	20	0·00	—0·03	0·00		0	—0·2	10·8	+2·0	0	0	0	0	1
Las Bela	110·7	+5·1	120	5	80·8	+0·4	74	3	0·48	+0·06	0·23	9	2	+0·8	3·3	0·0	5	0	0	0	0

(*) Data rejected. (x) Data not available. (m) Mean for 18 days.

TABLE III—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF JUNE, 1958.

Division and Station.	Maximum Temperature of the Air °F				Minimum Temperature of the Air °F				PRECIPITATION (Inches).						Wind Velocity (Knots).		Weather Number of Days.				
	Mean.	Departure from normal.	Highest.	Date.	Mean.	Departure from normal.	Lowest.	Date.	Total of the month.	Departure from normal.	Heaviest fall in 24 hours.	Date.	Days with 0·10″ or more.	Departure from normal.	Mean.	Departure from normal.	Thunder heard.	Hail.	Visibility Code Figure 93 or Less. Fog.	Haze (dust)	Dust Storm.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
FEDERAL CAPITAL AREA																					
Karachi (Manora)	93·1	+2·7	101	29	82·6	+0·3	80	1,12	0·00	—0·72	0·00		0	—0·6	x		0	0	0	0	0
Karachi (Mauripur)	93·8		103	6	83·7		81	19,20	0·00		Tr	15	0		x		0	0		0	0
Karachi (City)	92·5		97	5,6	83·1		81	15,19,20	0·00		0·00		0		7·5		0	0	0	0	0
Karachi (P. A. F.)	94·6		101	5,6	83·6		81	1	0·00		Tr	9	0		14·6		0	0	0	0	0
Karachi (Airport)	95·7		103	6	83·5		80	1	0·00		Tr	14,15	0		9·7		0	0	0	0	0
HYDERABAD																					
Badin	104·7	+3·7	116	1	82·2	+0·2	79	1	0·00	—0·65	0·00		0	—0·8	5·0		0	0	0	0	0
Nagarparkar	107·6		115	2	83·6		80	30	0·15		0·15	30	1		6·9		0	0	0	0	0
Umarkot	108·2		115	5,6,7	81·8		79	1	0·00		0·00		0		9·9		1	0	0	0	1
Chhor	106·7		114	5,7	82·1		79	1	0·00		0·00		0		9·1		1	0	0	6	1
Hyderabad	106·8	+2·3	117	5,7	82·7	+0·7	79	1	0·13	—0·26	0·09	7	0	—0·6	11·5	+1·7	2	0	0	0	2
KHAIRPUR																					
Pad Idan	113·2		118	11	81·8		73	17	0·00		0·00		0		9·1		0	0	0	0	1
Nawabshah	112·3		119	5	82·3		79	1,2,6	0·00		0·00		0		9·9		2	0	0	1	0
Sukkur	110·2	+1·1	116	4	83·9	+0·5	81	6	0·00	—0·14	0·00		0	—0·5	1·9	—2·3	0	0	0	0	1
Kashmore	*				*				0·00		0·00		0		(c) 5·4		0	0	0	1	0
Jacobabad	113·3	—0·6	118	4	(b) 85·3	+0·4	80	1,3	0·00	—0·26	0·00		0	—0·3	7·3	+1·1	0	0	0	0	0
JUNAGADH																					
Veraval (R)																					
APGHANISTAN																					
Jalalabad (x)																					
ARABIA																					
Muscat	101·2	+3·1	109	5,6,8	89·0	+0·9	83	30	0·00	—0·08	0·00		0	—0·1	4·4	+1·0	0	0	0	0	0

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

TABLE III—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF JUNE, 1958.

Division and Station.	Maximum Temperature of the Air °F				Minimum Temperature of the Air °F				PRECIPITATION (Inches).						Wind Velocity (Knots).		Weather Number of Days.				
	Mean.	Departure from normal.	Highest.	Date.	Mean.	Departure from normal.	Lowest.	Date.	Total of the month.	Departure from normal.	Heaviest fall in 24 hours.	Date.	Days with 0·10" or more.	Departure from normal.	Mean.	Departure from normal.	Thunder heard.	Hail.	Visibility Code Figure 93 or Less. Fog.	Haze (dust)	Dust Storm.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
HILL STATIONS																					
KASHMIR																					
Srinagar (x)																					
Gulmarg (x)																					
Gurez (x)																					
Sonemarg (x)																					
Dras (x)																					
Kargil (x)																					
Leh (x)																					
Skardu (x)																					
Mingar	68·7	—	75	15,16,26	*	—	—	—	0·00	—	0·00	—	0	—	5·8	—	0	0	0	0	0
Aliabad (x)																					
Gilgit (x)																					
RAWALPINDI																					
Murree	81·0	+0·3	89	16	61·6	+1·1	48	1	0·70	—3·28	0·43	27	2	—3·8	6·5	+2·5	10	0	0	0	0
PESHAWAR																					
Drosh	96·2	+4·3	105	16	68·6	+0·1	58	7	0·73	+0·08	0·56	7	1	—1·0	2·3	—1·4	4	0	0	0	0
Chitral	95·0	+1·8	103	28	(f) 75·8	+2·6	63	1	0·59	—0·85	0·45	27	1	—1·0	6·7	+1·0	0	0	0	0	0
Kakul	93·9	—	102	16,17,26	71·4	—	58	1	1·44	—	0·96	30	3	—	(x)	—	7	0	0	0	1
Balakot (R)																					
Landikotal (x)																					

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

TABLE III—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF JUNE, 1958.

Division and Station.	Maximum Temperature of the Air °F				Minimum Temperature of the Air °F				PRECIPITATION (Inches).						Wind Velocity (Knots).		Weather Number of Days.				
	Mean.	Departure from normal.	Highest.	Date.	Mean.	Departure from normal.	Lowest.	Date.	Total of the month.	Departure from normal.	Heaviest fall in 24 hours.	Date.	Days with 0·10" or more.	Departure from normal.	Mean.	Departure from normal.	Thunder heard.	Hail.	Visibility Code Figure 95 or Less. Fog.	Haze (dust).	Dust Storm
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
D. I. KHAN																					
Parachinar	90·4	+2·7	98	26	*	—	—	—	1·45	—0·55	0·70	27	4	—0·5	x	—	0	0	0	0	0
Miranshah	100·3	+1·4	110	27	76·8	—0·3	64	1	0·65	—0·26	0·26	29	3	+1·4	4·5	—0·7	10	0	0	0	0
Wana	96·4	+1·8	106	27	67·9	—0·4	56	1	0·19	—0·24	0·19	28	1	—0·5	1·3	—	4	0	0	0	2
QUETTA																					
Fort Sandeman	99·3	+0·1	106	27	73·3	+0·4	65	1	0·55	—0·09	0·50	14	1	—0·3	3·4	+0·6	0	0	0	1	0
Hindubagh	94·0		100	25	64·3		60	1,18,19	0·00		0·00		0		6·3		0	0	0	0	0
Loralai	97·0		104	24,27	63·8		50	1	0·19	—0·16	0·19	9	1	+0·9	3·9		0	0	0	0	0
Harnai					*				0·85	+0·10	0·65	14	2	+0·5	x		0	0	0	0	0
Quetta (Samungli)	95·3		100	14,23	54·7		41	1	0·00		0·00		0		5·6		1	0	0	0	3
Quetta	93·0		98	26	67·6		50	1	0·00		0·00		0		3·8	+1·6	0	0	0	0	0
Chaman	99·6	+0·8	104	4 days	72·3	+0·1	63	1	0·00	—0·02	0·00		0	0·0	x		0	0	0	0	0
KALAT (North)																					
Kalat	88·8	—1·5	94	4 days	57·4	—0·3	48	1	0·10	—0·09	0·10	15	1	+0·6	5·7	+1·3	0	0	0	0	0
Nushki	106·4		110	12,13,14	78·7		64	1	0·00		0·00		0		x		0	0	0	0	0
Dalbandin	108·2	+0·9	113	13	73·9	+0·9	66	1	0·23	+0·22	0·21	15	1	+1·0	4·4	—0·4	5	0	0	0	1
KALAT (South)																					
Panjgur	104·0	+0·8	106	5 days	74·0	—0·6	69	1	0·00	—0·12	0·00		0	—0·4	4·2	—0·6	0	0	0	0	0
AFGHANISTAN																					
Kabul (x)																					
Kandahar	94·3	—	103	28	65·1	—	56	1	0·00	—	0·00	—	0	—	1·2	—	0	0	0	0	0

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

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PAKISTAN WEATHER REVIEW, 1958

MONTHLY WEATHER REPORT

July

(PUBLISHED BY THE AUTHORITY OF GOVERNMENT OF PAKISTAN)

Chief Features:

1. Heat wave over the southern parts of West Pakistan during the first week.

2. Locally heavy rainfall in Hyderabad and south Kalat divisions and the Federal Capital Area between the 10th and the 14th.

3. Floods in rivers Indus, Ravi and Chenab.

4. Pronounced monsoon activity in East Pakistan during the fourth week.

West Pakistan

A western disturbance which had begun affecting the northern parts of the region towards the end of the previous month moved away eastwards by the 3rd after causing scattered to local thunderstorms or showers in D. I. Khan, Peshawar, Rawalpindi and Multan divisions on the first two days. The southern parts of the region however, experienced abnormally hot weather followed by scattered to local dust thunderstorm activity during the first five days of the month under the influence of depression which formed off the Kathiawar coast on the 1st, moved west northwestwards and filled up by the 5th. According to newspaper reports some deaths occurred due to the heat wave.

Thereafter, two western disturbances moved in close succession across the northern divisions and caused wet weather there as well as in Khairpur and south Kalat divisions between the 5th and the 9th the rainfall being fairly widespread in Lahore and Rawalpindi divisions and scattered to local elsewhere.

Under the influence of an easterly low which moved across south Rajasthan and north Arabian Sea to south Kalat division, local rain or thunderstorms occurred throughout the southern half of the region between the 10th and the 14th. Pronounced rainfall activity was, however, confined only to Hyderabad and south Kalat divisions and the Federal Capital Area.

In association with the passage of three western disturbances and four westerly low pressure waves across the north of West Pakistan frequent wet weather occurred over the northern half of the region between the 11th and the 31st the rainfall activity being pronounced in Peshawar, Rawalpindi and Lahore divisions and the neighbouring river catchment areas and causing floods in rivers Indus, Ravi and Chenab during the fourth week. As reported by newspapers large areas were inundated and extensive damage to property and crops occurred, in the districts of D. G. Khan, Sheikhupura and Sialkot. Outstanding amounts of rainfall were:—Murree 3″ on the 6th, Cherat 3-1/2″ and Campbellpur 3″ on the 16th: Lahore 3″ on 17th and Sialkot 4″ on the 26th.

The total rainfall during the month was in large excess in Lahore and Kalat divisions, in moderate excess in Rawalpindi, Peshawar, D. I. Khan, Hyderabad divisions and the Federal Capital Area and in slight excess in Quetta division. It was normal in Multan division and in large defect elsewhere. Averaged over the region as a whole it was in moderate excess.

The mean maximum and minimum temperatures and the mean relative humidity were all normal over the region except in Rawalpindi division where the mean relative humidity was in excess.

The mean cloud amount was in defect in Multan division, normal in Peshawar, D. I. Khan and Kalat divisions and the Federal Capital Area and in excess elsewhere.

East Pakistan

Except for the first day of the month when fairly widespread rainfall in Dacca division and local elsewhere, the monsoon activity was weak over the region and rainfall was only scattered to local during the first week.

Thereafter, the weather was influenced by two depressions which formed in the northwest region of the Bay of Bengal. The first formed on the 9th and was centred at 0300 GMT within half a degree of latitude 21 N and longitude 87-1/2°E. It moved northwestwards, weakened into a low and moved to Madhya Pradesh by the 17th morning. The other formed on the 15th and was centred at 0300 GMT within one degree of latitude 21°N and longitude 88°E. It also moved northwestwards and gradually weakened into a low over east Uttar Pradesh by the 20th morning. These were closely followed by a low pressure area which appeared over West Bengal on the 27th and moved to Bihar the next day. In their association local to fairly widespread rain fell practically throughout the period between the 8th and the 23rd.

Monsoon became active and caused fairly widespread rain with locally moderate to heavy falls over East Pakistan between the 24th and the 26th whereafter, the activity decreased and local to fairly widespread rain fell over the region on most of the days.

Principal amounts of rainfall were:—Cox's Bazar 4″ and Maijdee Court 3″ on the 11th, Bogra 7″, Maijdee Court 5″ and Barisal 4″ on the 24th and Cox's Bazar 5″ on the 27th.

The total rainfall during the month was in moderable defect over the entire region.

The mean maximum, the mean menimum temperatures, the mean relative humidity and the mean cloud amount were all normal everywhere.

Table 1 contains the divisional means of rainfall, temperature, humidity and cloud amount for the 15 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 JULY, 1958.

Division	PRECIPITATION				DEPARTURE FROM NORMAL OF				
	Actual	Normal	Departure from normal	Percentage departure from normal	Maximum temperature	Minimum temperature	0300 hrs. G. M. T.		
							Vapour pressure	Relative humidity	Cloud
1	2	3	4	5	6	7	8	9	10
	"	"	"		o	o	Mb.	%	
EAST PAKISTAN									
Chittagong	14.46	20.14	—5.68	—28	+1.3	+1.5	+1.0	—3	+0.1
Dacca	11.01	14.51	—3.50	—24	+1.0	+0.6	+0.1	—1	+0.4
Rajshahi	9.39	13.16	—3.77	—29	+1.4	+1.3	+0.7	—1	+0.2
Mean	11.06	15.72	—4.66	—30	+1.3	+1.2	+0.6	—2	+0.2
WEST PAKISTAN									
Kashmir x									
Lahore	10.57	6.90	+3.67	+53	—1.6	+0.7	+1.9	+3	+1.2
Rawalpindi	10.35	8.12	+2.23	+27	—0.6	+1.3	+2.6	+6	+0.7
Multan	2.19	2.43	—0.24	—10	—1.3	+0.6	—0.2	0	—0.5
Bahawalpur	*	—	—	—	+1.0	+0.8	+1.7	+5	X
Peshawar	2.47	1.83	+0.64	+35	+1.6	+1.7	+2.0	+1	—0.1
D. I. Khan	2.90	2.26	+0.64	+28	+0.6	+0.1	+1.8	+2	—0.2
Quetta	2.04	1.65	+0.39	+24	+1.1	+0.3	+1.7	+1	+0.4
Kalat	1.84	0.75	+1.09	+145	0.0	+0.6	—0.7	—5	—0.3
Federal Capital Area	4.16	3.20	+0.96	+30	+1.4	—1.3	+0.7	+1	+0.3
Hyderabad	4.58	3.47	+1.11	+32	0.0	+0.5	+1.5	+3	—0.7
Khairpur	0.52	1.19	—0.67	—56	+0.4	+1.3	—0.6	—2	+2.3
Mean	2.65	1.89	+0.76	+40	+0.3	+0.7	+1.2	0	+0.1
Junagadh (x)									

(x) Data not available.

(*) Data rejected

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF JULY, 1958.

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
EAST PAKISTAN																							
Chittagong Division																							
Cox's Bazar (P.T.)	0300	38	1000.8	—0.5	1002.1	81.9	78.7	77.0	32.5	+0.6	87	—1	6.1	—0.4	0	0	2	16	10	2	0	0	1
	1200		998.8		1000.1	81.0	78.5	77.0	32.2		89		6.6		0	0	1	13	16	1	0	0	0
Chittagong (Patenga)	0000	20	999.9		1000.6	78.8	76.6	75.9	30.8		91		5.9		0	0	0	27	1	1	0	0	2
	0300		1000.9		1001.6	84.1	79.1	77.2	31.6		79		5.8		0	0	1	25	5	0	0	0	0
	1200		998.5		999.2	83.3	79.4	77.3	32.0		83		6.7		0	0	0	10	19	2	0	0	0
Chittagong	0300	46	1000.1	—0.8	1001.7	83.1	79.6	78.2	32.8	+1.6	85	—1	5.8	—0.5	0	0	0	14	17	0	0	0	0
	1200		997.6		999.2	83.0	80.0	78.9	33.6		87		6.7		0	1	0	5	19	6	0	0	0
Maijdi Court	0000	25	996.0		996.8	78.9	77.7	77.5	32.3		95		(b) 6.0		0	0	0	6	4	0	0	(a) 0	20
	0300		998.2	—2.8	999.0	82.5	79.4	78.1	33.6	+1.0	87	—1	(b) 6.9	+1.3	0	0	0	10	7	0	0	(b) 0	12
	1200		997.6		998.5	83.9	79.3	77.7	32.4		81		7.1		0	0	0	21	3	0	0	0	7
Comilla	0000	29	999.4		1000.4	78.9	77.6	77.1	31.5		93		5.8		0	0	0	0	1	0	0	0	30
	0300		1000.3	—0.7	1001.3	84.3	79.7	78.0	32.4	+0.2	81	—4	5.5	—0.3	0	0	0	1	10	0	0	0	20
	1200		997.4		998.4	85.7	80.4	75.1	33.1		78		5.4		0	0	0	0	21	0	0	0	10
Brahmanbaria	0000	32	999.2		1000.3	79.8	77.9	77.2	31.9		91		7.0		0	0	6	17	5	0	0	0	3
	0300		1000.2	—	1001.3	85.1	79.9	77.7	32.7	+1.9	79	—2	5.3		0	0	2	22	5	0	0	0	2
	1200		997.5		998.6	85.0	80.4	78.5	33.5		81		5.9		0	0	1	16	9	0	0	1	4
Srimongal	0000	69	998.6		1001.0	79.1	77.6	76.8	31.5		93		5.5		0	0	0	3	1	0	0	0	27
	0300		999.3	—0.8	1001.7	84.6	79.6	77.1	32.7	+0.9	79	—7	6.0	+0.6	0	1	1	11	5	1	0	0	12
	1200		996.2		998.6	83.8	80.0	78.3	33.2		83		6.6		0	0	0	4	9	0	0	0	18
Sylhet	0000	115	996.8		1000.8	78.5	77.8	77.5	33.1		98		7.1		1	0	8	2	3	0	0	0	17
	0300		997.8		1001.8	83.2	79.7	78.3	32.8		78		7.2		2	3	9	7	2	0	1	0	7
	1200		994.5		998.4	85.6	80.4	78.2	33.9		79		6.2		1	1	2	4	3	0	4	1	15
Dacca Division																							
Mymensingh	0000	62	998.1		1000.3	80.5	79.0	78.4	33.8		93		6.3		0	0	1	12	0	0	0	0	18
	0300		999.2	—0.5	1001.3	83.5	79.8	78.2	33.0	+0.5	85	—2	7.2	+0.3	0	0	3	24	0	0	0	0	4
	1200		996.0		998.1	85.8	80.8	78.8	34.1		80		6.3		0	0	1	10	0	0	1	0	19
Narayanganj	0000	26	998.8		999.7	80.6	78.7	78.1	33.4		91		7.6		0	0	8	18	3	0	1	0	1
	0300		1000.0	—0.5	1000.8	84.1	79.6	77.8	32.4	—0.5	81	—4	7.8	+0.8	0	0	6	15	6	1	1	0	2
	1200		997.1		997.9	85.9	80.3	78.2	33.1		78		7.2		0	0	2	12	16	1	0	0	0
Dacca (Tejgaon)	0000	27	998.1		999.1	80.1	79.0	78.4	33.4		96		7.1		0	0	4	22	4	1	0	0	0
	0300		999.2		1000.2	83.4	80.0	78.5	32.8		85		7.5		0	0	2	22	5	2	0	0	0
	1200		996.4		997.4	84.7	79.7	78.5	32.7		79		6.6		0	0	01	7	13	0	0	1	0

(a) Observation for 30 days. (b) Observation for 29 days. (x) Data not available.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF JULY, 1958.

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
Dacca Division																							
Faridpur	0000	46	997.8		999.4	79.6	78.7	78.7	33.4		96		6.6		0	0	1	10	19	0	0	0	1
	0300		998.8	—0.5	1000.4	83.5	80.1	78.5	33.4	—0.3	85	0	7.0	+0.8	0	0	1	11	17	1	0	0	1
	1200		995.9		997.5	85.3	81.3	79.8	34.3		83		5.8		0	0	0	12	17	1	0	0	1
Barisal	0000	11	998.9		999.3	80.4	79.1	78.8	32.6		93		5.9		0	0	9	0	0	0	0	0	22
	0300		1000.3	—0.4	1000.7	83.5	80.5	79.3	33.6	+0.5	87	0	6.1	—0.2	0	0	11	0	3	0	2	0	15
	1200		997.4		997.8	84.7	80.8	79.3	34.3		83		5.8		0	0	3	4	4	0	2	0	18
Rajshahi Division																							
Khulna	0000	16	998.1		998.7	80.0	79.4	79.2	34.2		98		6.3		0	0	2	3	1	0	0	0	25
	0300		999.4	—0.4	999.9	83.5	80.8	79.8	34.4	+1.6	89	+6	7.1	+0.1	0	1	2	15	3	0	0	0	10
	1200		996.7		997.3	83.9	80.8	79.8	34.8		87		5.5		0	0	0	11	6	0	0	0	14
Satkhira	0000	16	997.8		998.3	79.9	79.3	79.0	34.2		98		3.6		0	3	2	0	1	0	0	0	25
	0300		999.0	—0.5	999.5	85.1	81.3	79.9	34.3	+0.6	83	—2	6.1	+0.2	0	0	4	1	2	1	1	0	22
	1200		996.9		997.4	84.5	81.3	79.8	36.0		87		5.7		0	0	1	2	3	5	0	0	20
Jessore	0000	26	997.3		998.2	79.8	79.1	79.0	33.7		97		6.5		0	1	12	9	6	2	0	0	1
	0300		998.6	—1.2	999.5	84.4	81.4	80.4	34.8	+1.2	87	+2	7.0	+0.6	0	0	6	14	10	1	0	0	0
	1200		996.0		996.9	84.9	81.5	80.2	35.1		85		6.2		1	0	1	7	21	0	0	1	0
Pabna	0000	48	996.9		998.5	79.9	78.8	78.6	33.4		96		5.3		0	0	14	9	0	0	0	0	8
	0300		998.3		999.8	84.7	80.3	78.7	33.5	—0.1	81	—3	6.7		1	1	6	21	0	1	0	1	0
	1200		995.2		996.9	85.5	80.8	79.0	33.5		81		6.0		1	0	8	20	2	0	0	0	0
Serajganj	0000	49	995.3		996.9	80.5	79.8	79.5	34.4		98		7.1		0	0	10	4	3	0	0	0	14
	0300		997.8		999.3	83.7	80.7	78.6	34.9		87		7.1		0	0	10	12	5	0	0	0	4
	1200		994.7		996.4	85.4	81.6	80.0	34.5		83		6.7		0	0	5	10	8	0	0	0	8
Rajshahi	0300												2.2										
(P.B.O.) Bogra	0000	65	996.8		999.0	80.9	79.7	79.3	34.5		96		6.6		0	0	11	7	0	1	0	0	12
	0300		998.0	—0.6	1000.2	85.0	80.6	78.8	33.5	+0.3	81	—4	6.8	+0.5	0	0	17	10	1	0	1	0	2
	1200		994.8		997.0	87.3	81.4	78.9	33.4		76		5.8		0	0	9	13	4	0	0	1	4
Dinajpur	0000	123	994.7		998.9	81.0	79.3	78.3	33.4		93		5.5		0	0	13	0	0	0	0	0	18
	0300		996.1	—0.4	1000.3	85.5	80.7	78.7	33.3	+0.5	79	—7	6.0	—0.2	0	0	12	0	0	0	0	0	19
	1200		992.7		996.9	86.8	81.5	79.0	34.2		78		4.7		0	0	3	0	0	0	0	0	28
Rangpur	0000					80.1	78.9	78.5	32.6		93		5.7		0	2	15	9	5	0	0	0	0
	0300					84.3	84.3	78.6	33.2		83		6.3		2	1	16	9	1	1	0	0	1
	1200					87.2	81.5	79.3	34.2		78		5.1		5	3	5	14	4	0	0	0	0

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF JULY, 1958.

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										
KASHMIR																							
Jammu (x)	0300	1200																					
	1200																						
LAHORE																							
Lahore P.B.O.	0000	702	972.8		996.5	82.4	78.5	76.8	31.5		83		4.8		0	2	2	8	1	0	1	0	17
	0300		973.9	—0.1	997.5	85.8	79.7	77.1	31.9	+2.5	76	+7	4.2	+1.0	0	1	2	14	1	1	0	0	12
	1200		970.8		993.9	95.0	82.4	77.3	32.0		57		4.3		0	2	2	7	2	2	0	1	15
,, (Cantt.)	0000	703	972.3		996.2	82.1	79.2	77.9	32.8		87		4.1		0	3	15	5	3	1	0	1	3
	0300		973.4	—	997.2	85.6	80.5	78.3	33.3	—	80	...	4.5	...	2	1	9	13	3	3	0	0	0
	1200		970.2		993.5	94.6	82.6	77.7	32.6		59		4.4		4	5	3	11	2	1	1	1	3
,, (Walton)	0000	699																					
	0300		973.6	—	997.0	86.5	80.2	77.3	32.4	...	75	...	4.5	...	0	0	3	22	1	1	0	0	4
	1200		970.3		993.3	95.6	83.0	76.5	32.8		57		4.5		5	1	1	15	0	2	2	4	1
Sialkot	0000	830	968.0		995.9	81.3	78.0	76.0	31.3		87		3.7		0	3	0	3	0	0	0	0	25
	0300		969.5	—0.5	997.2	85.6	79.2	78.0	31.1	+1.2	75	0	4.6	+1.4	0	8	0	3	0	1	0	0	19
	1200		966.2		993.3	95.8	83.0	78.0	32.7		56		3.1		0	2	0	4	0	5	1	4	15
RAWALPINDI																							
Jhelum	0000	765	970.6		996.5	81.5	77.6	75.8	30.6		83		4.6		0	1	1	7	1	2	0	1	18
	0300		971.9	—	997.6	84.7	78.3	75.4	30.2	...	73	...	4.7	...	1	1	3	6	4	1	0	3	12
	1200		968.1		939.3	94.3	81.4	76.1	30.7		55		3.4		0	1	0	11	3	7	0	0	9
Chaklala	0000	1667	942.0		997.4	79.8	75.3	73.3	28.1		81		4.6		0	2	7	5	2	0	1	0	14
	0300		942.9	—	998.0	83.4	76.1	73.0	27.8	...	71	...	3.6	...	1	2	9	6	3	0	1	0	9
	1200		939.9		993.8	93.6	78.6	72.3	27.3		51		3.1		0	1	1	7	12	3	4	1	2
Rawalpindi	0000	1676	*		*	80.1	75.4	73.1	28.1		80		3.7		1	1	3	3	0	0	2	1	20
	0300		*	—	*	85.5	77.4	73.6	28.8	+2.3	69	+3	4.2	+0.8	0	0	2	2	1	1	3	0	22
	1200		*		*	93.7	79.7	72.9	28.9		54		3.5		0	0	0	2	6	1	3	0	19
Khushab	0000	616	975.3		996.0	85.2	80.1	78.0	33.0		79		2.2		0	2	9	0	0	1	0	1	18
	0300		976.3	—0.4	996.9	88.1	80.7	77.3	32.5	+3.4	71	+5	1.7	—0.8	0	5	12	1	0	1	0	1	11
	1200		973.1		993.3	98.7	82.5	75.5	30.5		49		1.7		0	2	9	2	8	0	0	0	10
Sargodha(x)	0300	614																					
	1200																						
MULTAN																							
Lyallpur	0000	605	975.4		995.7	84.2	78.8	76.5	31.7		77		2.5		0	4	1	5	0	6	0	1	14
	0300		976.6	+0.1	996.8	87.7	80.0	76.7	31.5	+3.3	70	+7	2.2	—1.0	0	8	1	6	3	5	0	2	6
	1200		973.6		993.6	95.8	81.7	75.6	30.5		53		3.7		1	7	2	6	3	6	0	0	6
Montgomery	0000	558	976.4		995.1	85.1	78.1	75.1	29.7		72		0.4		0	1	2	3	0	5	0	1	19
	0300		977.5	—0.6	996.1	87.6	78.9	76.7	29.8	—1.9	66	—4	0.5	—1.4	0	0	1	1	0	3	0	0	26
	1200		975.6		993.8	98.4	82.3	75.7	30.3		49		0.8		0	3	0	4	0	3	0	2	19
Multan (P.B.O.)	0000	404	981.1		994.7	87.6	79.8	76.7	31.2		70		1.3		1	0	0	3	12	1	0	0	14
	0300		982.6		996.2	90.2	81.1	77.3	32.1	...	67	...	1.7	...	2	2	0	1	14	4	0	0	8
	1200		979.4		992.4	101.9	82.9	75.0	29.8		43		2.9		1	6	4	2	9	4	3	0	2
Multan (Surface)	0300	413	982.3	—0.2	996.1	89.2	79.8	75.6	30.5	—1.9	65	—3	2.6	+0.8	2	3	2	2	4	14	0	0	4
	1200		979.3		992.8	101.2	81.7	73.3	28.0		41		3.5		0	5	0	7	1	15	0	1	2

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

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF JULY, 1958.

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. on 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
	G.M.T.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	Oktas										
BAHAWALPUR																							
Leiah (x)	0000	487																					
	0300																						
	1200																						
Khanpur (Surface)	0300	297	(i) 986.9	+0.2	(i) 997.0	(i) 86.9	(i) 79.5	(i) 76.4	31.1	+1.7	71	+5	(*)	—	2	2	2	0	9	12	2	0	2
	1200		(i) 982.5		(i) 992.2	(h) 104.0	(h) 84.2	(h) 76.2	31.0		41		(*)		3	2	3	0	8	6	3	0	6
,, (P.B.O.)	0000	290	985.2		995.1	84.8	78.6	75.9	30.6		74		1.6		0	5	0	0	2	18	0	1	5
	0300		986.4	—	996.2	87.3	79.6	76.4	31.0	—	70	—	2.3	—	1	5	0	0	3	19	2	0	1
	1200		982.6		992.1	102.0	82.0	73.3	28.2		40		2.9		2	5	1	3	5	11	2	0	2
(R) Bahawalpur	0300	384																					
	1200																						
Fort Abbas	0000	475	979.6		995.6	86.0	(a) 78.7	(a) 74.4	30.0		70		0.9		0	5	0	7	0	19	0	0	0
	0300		981.0	—	996.9	90.0	79.8	75.3	33.7	—	62	—	1.5	—	0	8	0	3	0	20	0	0	0
	1200		977.6		993.4	100.7	81.7	72.9	28.3		42		4.1		1	8	0	4	0	14	0	0	4
PESHAWAR																							
Chakdara	0000	2197	922.1		994.7	79.1	71.7	69.6	23.5		70		4.6		3	0	2	7	0	2	4	0	13
	0300		923.3	-	995.6	82.3	74.8	71.1	26.4	—	70	—	4.1	—	3	0	2	2	1	0	1	0	22
	1200		920.2		990.2	94.2	79.2	72.8	27.9		51		3.6		2	0	3	2	0	0	9	1	14
Peshawar	0000	1177	956.3		995.5	83.1	76.2	72.6	27.7		71		3.2		10	2	1	0	0	2	2	12	2
	0300		957.7	—0.6	996.6	86.1	77.6	73.9	28.4	+3.0	67	+9	2.7	—0.1	10	7	0	1	0	2	0	11	0
	1200		953.2		991.1	99.7	79.8	70.5	25.7		39		3.1		0	24	1	3	1	1	1	0	0
Risalpur	0000	1009	961.9		995.9	84.6	75.8	71.3	26.5		65		3.4		1	6	16	3	1	0	0	0	4
	0300		963.1	...	996.6	88.9	77.3	71.6	26.7	—	57	—	2.8	—	1	3	10	9	1	1	0	2	4
	1200		959.1		991.5	101.8	78.6	66.6	22.7		33		2.2		2	3	14	6	0	0	0	0	6
Haripur	0300	1757	938.9		996.5	85.7	77.6	74.1	29.0	—	69	—	3.1		0	4	0	3	3	9	9	3	0
	1200		936.7		993.4	94.8	81.7	76.5	31.6		57		2.3		(a) 0	4	1	7	0	8	3	7	0
Campbellpur	0300	1175	957.6	—	996.6	87.6	79.9	76.7	31.3	—	71	—	4.3		1	1	5	16	1	2	2	1	2
	1200		953.8		*	*	84.2	*	*		*		3.7		1	1	2	16	5	2	1	1	2
D. I. KHAN																							
Kohat	0000	1667	941.4		996.3	84.7	75.4	71.1	26.3		64		2.8		1	2	5	1	2	1	0	6	13
	0300		942.8	—	997.4	88.2	77.3	72.9	26.6	—	60	—	2.9		2	1	3	6	4	1	2	2	10
	1200		939.2		992.8	96.9	77.7	69.2	24.6		42		4.8		0	3	2	6	8	4	4	1	3
Bannu	0000	1263	952.3		994.3	84.8	77.6	73.8	29.2		72		2.4		2	5	7	4	1	2	0	0	10
	0300		953.1		994.9	86.7	78.9	75.2	30.3	+3.8	69	+11	2.8	+0.7	0	3	7	6	4	1	0	1	9
	1200		950.7		991.4	100.0	80.0	70.3	25.9		39		3.1		0	2	3	18	4	1	0	0	5
D. I. Khan	0000	570	*		*	85.2	78.5	78.3	30.2		73		1.2		0	0	0	0	0	0	0	0	31
	0300		*	—	*	89.8	81.3	77.6	32.6	+1.7	68	—1	2.0	0.0	1	7	1	1	1	0	0	0	20
	1200		*		*	101.2	82.8	75.0	29.7		43		1.3		0	0	1	0	1	0	0	0	29

(*) Data rejected. (i) Mean for 22 days. (a) Mean for 30 days.
(h) Mean for 23 days. (R) Data not received.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF JULY, 1958.

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 850 mb. 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
QUETTA	G.M.T.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	Oktas										
Sibi	0000	441	980.2		995.0	91.5	80.1	74.9	29.9		59		1.7		0	1	0	1	0	0	0	0	29
	0300		981.8	+0.9	996.4	92.9	81.0	75.8	30.8	+3.7	58	+3	3.5	+1.9	0	1	1	5	1	1	0	0	22
	1200		977.7		991.8	103.2	81.7	68.8	24.4		28		2.2		0	1	0	7	5	7	0	0	11
KALAT (NORTH)																							
Nokkundi	0000	2229	921.6		994.1	85.9	63.7	45.0	11.3		27		0.1		13	5	2	0	1	0	1	9	0
	0300		923.1		995.2	90.3	66.4	47.8	12.2	—5.0	25	—13	0.3	—0.7	12	6	4	1	0	0	1	7	0
	1200		919.8		990.4	105.4	69.2	47.3	9.3		12		0.4		10	2	2	2	1	0	2	12	0
KALAT (SOUTH)																							
Turbat	0000	510																					
	0300																						
	1200																						
Jiwani	0000	185	990.5		996.8	83.2	80.2	79.0	33.8		87		4.2		1	0	2	8	6	4	1	0	9
	0300		991.5		997.8	85.1	81.2	79.5	34.6		83		5.6		1	0	7	12	4	5	0	0	2
	1200		989.1		995.3	88.6	82.7	80.3	35.5		77		3.5		0	0	0	12	10	8	1	0	0
Pasni	0000	28	995.8		996.7	83.1	80.9	79.9	34.6		90		5.3		0	3	2	1	1	8	7	1	8
	0300		997.5	—0.5	998.4	84.6	81.6	80.5	36.0	+3.4	87	+3	5.6	+0.6	0	4	2	2	1	9	3	2	8
	1200		994.4		995.3	89.8	83.4	80.6	36.0		76		3.4		0	0	1	1	12	16	1	0	0
Ormara	0000	15	996.0		996.5	82.7	79.1	77.5	32.3		85		6.9		0	0	1	0	0	4	18	0	8
	0300		997.0		997.5	84.8	79.6	77.4	32.2	+0.6	78	—5	6.7	—1.0	0	0	1	0	1	3	16	0	10
	1200		994.7		995.2	88.6	80.8	77.0	32.3		70		5.3		0	0	1	1	5	4	19	0	1
Lasbela	0000	292	(*)			82.8	77.4	74.4	29.8		77		1.1		0	0	1	0	2	0	0	0	28
	0300		987.2	—1.6	997.1	85.5	79.9	77.6	31.8	—1.1	77	—4	1.4	—4.0	1	0	5	1	5	6	1	0	12
	1200		985.1		994.7	94.7	82.5	75.3	32.0		59		1.8		0	0	1	12	7	9	1	0	1
FEDERAL CAPITAL AREA																							
Karachi (Manora)	0000	13	995.8		996.2	80.5	77.8	76.6	31.0		89		6.8		0	0	3	0	0	10	12	1	5
	0300		997.1	—1.4	997.5	82.9	79.8	78.5	33.5	+0.7	87	+1	6.4	+0.3	0	0	2	1	1	11	12	2	2
	1200		995.2		995.6	86.6	82.4	80.8	35.7		83		6.0		0	0	4	0	0	13	12	1	1
Karachi (Mauripur)	0000	52	994.7		996.5	82.9	79.5	78.2	32.9		85		5.9		1	0	1	0	1	6	19	3	0
	0300		995.7		997.5	84.5	80.3	78.5	33.4		82		6.7		1	1	1	2	0	6	18	2	0
	1200		993.7		995.5	87.4	81.6	79.3	34.2		77		5.8		0	0	2	0	1	12	15	0	1
Karachi (City)	0300	20	996.3		997.2	85.5	82.5	81.6	36.0		87		5.8		1	0	3	0	0	13	13	1	0
	1200		994.3		995.2	86.7	83.8	82.8	38.5		88		5.9		0	0	2	0	1	21	6	1	0
Karachi (P.A.F.)	0000	24	995.7		996.6	83.3	79.0	77.0	31.9		82		5.5		0	1	1	1	0	22	6	0	0
	0300		996.6		997.5	84.8	79.5	77.1	32.0		78		6.3		0	2	0	1	0	21	5	0	2
	1200		994.5		995.4	87.8	80.5	77.2	32.2		72		5.7		0	0	2	0	1	27	1	0	0
Karachi (Airport)	0000	73	994.2		996.7	82.9	78.6	76.7	31.4		82		6.5		0	2	0	0	0	11	14	1	3
	0300		995.4		997.9	84.7	79.3	77.0	31.8		77		7.0		1	0	0	0	0	11	12	1	6
	1200		993.3		995.8	87.5	80.6	77.4	32.5		72		6.5		0	0	2	1	1	17	9	0	1
HYDERABAD																							
Badin	0000	31	994.9		996.0	82.0	78.0	76.4	30.9		83		1.3		2	0	0	0	0	28	0	0	1
	0300		995.9	—1.2	997.0	83.6	79.7	78.1	32.9	+1.5	83	+14	2.5	—2.4	1	0	0	0	0	30	0	0	0
	1200		993.9		995.0	91.6	81.8	77.7	32.6		64		1.0		3	0	0	0	1	27	0	0	0
Nagarparkar	0000	178	990.0		995.9	83.7	76.6	72.7	28.1		71		4.6		0	0	0	0	0	17	6	0	8
	0300	(Prov)	990.7		996.6	84.9	77.6	73.8	29.0		71		4.9		0	0	0	2	0	17	6	1	5
	1200		987.9		993.8	93.0	80.4	74.6	29.7		56		4.5		0	0	0	5	0	18	6	1	1

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

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF JULY, 1958.

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 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										
Umarkot	0000	55	993.2		995.1	82.6	79.1	77.4	32.4		85		1.0		0	3	0	1	5	19	0	0	3
	0300		994.2		996.1	84.4	79.5	77.5	32.2		79		5.6		0	2	1	0	1	26	0	1	0
	1200		991.5		993.4	93.9	81.4	76.3	30.9		57		3.6		2	2	0	1	0	23	1	2	0
Chhor	0000	19	995.2		995.9	82.3	78.2	76.5	31.1		83		6.6		0	1	0	0	1	23	0	0	6
	0300		996.4		997.0	84.7	79.2	76.9	31.6		77		6.6		1	1	0	1	3	23	0	0	2
	1200		993.9		994.5	91.6	80.4	75.4	30.4		63		5.6		0	2	1	1	0	22	3	1	1
Hyderabad	0000	98	991.8		995.2	83.4	77.8	75.6	30.0		77		3.5		1	2	0	0	2	25	0	0	1
	0300		993.0	—1.1	996.4	85.3	78.5	75.6	30.2	+1.4	72	+1	4.5	+1.0	1	3	0	0	2	24	0	0	1
	1200		990.7		994.0	93.6	80.3	74.5	29.3		54		4.5		0	2	2	1	2	23	1	0	0
KHAIRPUR																							
Padidan	0000	153	989.6		994.8	84.0	77.9	75.0	29.8		75		2.2		1	0	2	8	17	1	0	1	1
	0300		990.0		995.2	86.9	78.9	75.5	30.2		69		2.5		1	5	2	9	13	0	0	0	1
	1200		986.9		991.9	103.0	80.9	70.2	26.1		36		3.2		2	1	3	9	12	1	1	1	1
Nawabshah	0000	124	990.3		994.6	83.2	78.3	76.2	30.9		79		4.0		0	0	0	2	17	1	0	1	10
	0300		991.7		996.0	87.3	79.9	76.7	31.5		71		4.5		2	0	1	2	19	2	0	0	5
	1200		988.8		992.9	100.0	82.2	74.6	29.4		44		4.7		0	1	3	4	15	7	0	0	1
Sukkur	0300	221	988.0	—0.9	995.4	87.0	79.8	76.5	31.3	—0.1	72	—3	4.4	+2.7	0	2	0	6	1	7	1	4	10
	1200		984.4		991.6	103.2	84.2	76.4	31.1		43		5.0		2	3	0	1	3	3	0	0	19
Kashmore	0000	255	986.0		994.5	82.1	73.5	68.8	24.2		65		1.1		5	1	0	6	15	2	0	0	2
	0300		987.7		996.4	88.6	80.3	76.6	32.0		68		1.7		0	4	0	1	20	4	1	0	1
	1200		983.4		991.2	103.6	82.9	74.0	29.7		40		1.6		1	4	0	3	19	3	0	0	1
Jacobabad	0000	183	988.2		994.3	88.9	80.4	77.0	31.6		67		2.0		1	1	5	17	5	1	0	0	1
	0300		989.7	—0.3	995.8	90.2	81.1	77.1	32.0	—1.1	67	—1	3.4	+1.9	2	0	5	17	7	0	0	0	0
	1200		985.7		991.6	105.8	83.5	74.1	29.0		37		3.4		0	1	5	8	16	1	0	0	0
JUNAGADH																							
Veraval (x)	0000	26																					
	0300		1001.4		(j) 1002.4	(j) 81.9	78.4	(k) 76.9	31.7		85		(k) 6.2		0	0	1	0	(n) 0	7	9	0	0
	1200		999.0		(l) 1000.0	(l) 82.7	79.0	(l) 78.1	32.4		84		(l) 6.3		0	0	0	0	(n) 1	6	8	0	2
Jalalabad (x)	0300	1950																					
	1200																						
ARABIA																							
Muscat	0300	20	996.0		996.7	90.2	83.3	80.5	36.1		74		3.3	+0.7	0	3	9	3	2	0	1	6	7
	1200		994.4		995.1	91.4	84.8	82.8	37.8		75		1.9		0	11	12	2	0	0	0	6	0
HILL STATIONS KASHMIR																							
Srinagar (x)	0000																						
	0300																						
	1200																						

(x) Data not available. (j) Mean for 21 days. (k) Mean for 20 days. (l) Mean for 19 days. (n) Observation for 17 days.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF JULY, 1958.

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 equivalent 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										
Gulmarg (x)	0300	8709																					
	1200																						
Gurez (x)	0300	...																					
	1200																						
Sonemarg (x)	0300																						
	1200																						
Dras (x)	0300																						
	1200																						
Kargil (x)	0300	...																					
	1200																						
Leh (x)	0300	...																					
	1200																						
Skardu (x)	0000	7250																					
	0300																						
	1200																						
Misgar	0000	10190	*		*	49.3	41.7	33.8	6.6		57		*		0	0	0	0	0	0	0	0	31
	0300		697.9	...	3078.8	61.1	46.1	30.5	5.9	...	32	...	*	...	0	0	2	0	0	0	2	0	27
	1200		695.7		3051.7	75.1	53.4	36.8	7.2		24		*		0	0	13	3	0	0	10	0	5
Allahbad (x)	0300	6850																					
	1200																						
Gilgit (Survace) (x)	0000	4950																					
	0300																						
	1200																						
RAWALPINDI																							
Murree	0000	7113	778.1		1409.5	63.4	62.0	60.8	18.5		93		6.2		0	4	0	3	0	0	0	20	4
	0300		779.9	—0.4	1425.3	66.1	63.5	62.0	19.1	+1.9	87	+9	6.3	+2.2	0	0	2	6	1	2	11	7	2
	1200		778.5		1402.2	71.2	66.6	64.1	20.6		79		7.1		0	1	1	6	0	0	10	10	3
PESHAWAR																							
Drosh	0000	4806	844.0		1402.0	78.9	65.2	56.3	15.7		46		1.9		0	0	1	0	0	4	0	0	26
	0300		845.0	—2.3	1411.3	84.3	68.3	58.6	17.1	—0.4	42	—14	1.5	+0.1	0	0	0	0	0	1	0	0	30
	1200		839.6		1352.5	97.5	68.6	48.7	12.1		19		3.1		0	0	0	0	0	31	0	0	0
Cherat	0000	4272	862.0		1422.4	73.6	70.0	68.0	23.5		84		3.2		2	0	4	13	7	0	1	4	0
	0300		862.1	+0.2	1424.8	75.8	71.2	68.1	24.0	+3.4	80	+8	2.7	—0.4	4	0	1	14	11	0	1	0	0
	1200		860.0		1406.9	87.1	73.0	66.5	21.4		50		2.7		1	0	1	19	9	0	1	0	0
Kakul	0000	4214	862.8		1412.5	72.9	68.3	65.9	21.8		79		5.2		7	4	7	6	4	0	0	1	2
	0300		863.6	...	1422.0	76.3	70.0	66.7	22.7	...	71	...	4.5	...	1	3	2	7	8	2	3	5	0
	1200		861.1		1397.5	84.2	72.8	67.5	22.9		57		4.4		2	0	1	3	10	10	3	2	0
Balakot (R)	0000	3226																					
	0300																						
	1200																						
Landikotal	0000	3503	883.5		1403.3	77.5	72.8	69.9	25.7		79		2.2		9	9	0	0	0	0	0	0	13
	0300		883.6	...	1409.1	83.5	75.8	71.7	27.3	...	69	...	1.4	...	10	10	0	0	0	0	0	0	11
	1200		880.3		1382.8	93.1	79.4	72.8	28.7		54		1.4		14	14	0	0	0	0	0	0	3

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

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF JULY, 1958.

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										
D. I. KHAN																							
Parachinar	0000	5673	*		*	(b) 68.9	(b) 64.2	(b) 61.1	18.2		79		1.6		26	0	0	0	0	0	3	(b) 0	0
	0300		*		*	(c) 75.8	(c) 67.2	(c) 61.5	19.6	+2.2	65	+5	1.3	—1.2	0	0	0	0	0	0	0	0	(b) 29
	1200		*		*	(a) 83.5	70.4	62.9	20.7		53		4.3		0	0	0	29	0	0	1	0	(a) 0
Miranshah	0000	3026	897.6		1397.0	78.5	70.0	66.0	21.7		65		2.2		0	2	0	2	0	0	0	0	27
	0300		899.1	—	1416.0	85.9	74.0	68.8	24.4	+1.3	57	—2	2.4	+0.2	0	3	0	1	0	0	0	1	26
	1200		896.2		1394.0	92.0	75.1	66.0	23.4		46		2.5		0	20	0	1	0	3	0	2	5
Wana	0300	4503	853.9	—	1412.1	79.0	68.4	62.5	19.4	—0.2	57	—5	0.9	—0.6	0	0	0	0	0	0	0	0	31
	1200		851.7		1389.0	87.0	70.4	61.7	18.7		43		3.0		1	3	10	10	2	0	0	0	5
QUETTA																							
Fort sandeman	0300	4614	851.5	+0.4	1420.9	81.4	69.9	62.9	19.4	+0.1	55	—6	1.6	+0.2	3	2	1	0	1	0	0	0	24
	1200		848.6		1389.6	94.0	72.0	56.5	17.8		32		3.8		7	0	11	3	3	3	0	0	4
Hindubagh	0000	5909	813.1		1413.9	70.7	55.7	43.5	9.7		38		0.5		0	0	1	0	0	3	14	0	13
	0300		814.3		1422.2	78.1	61.7	51.1	12.9		39		0.6		0	0	2	0	0	2	15	0	12
	1200		811.6		1381.8	92.2	68.8	55.2	15.6		30		2.4		0	1	6	0	1	1	19	0	3
Loralai	0000	4699	846.4		1394.0	72.5	67.9	65.2	21.7		80		1.9		0	0	1	0	2	1	10	3	14
	0300		847.3		1404.0	75.0	68.5	64.7	21.5		72		2.8		0	2	0	0	0	0	8	5	16
	1200		844.8		1376.0	91.8	*						4.5		0	2	0	15	3	10	0	0	1
Harnai	0300												1.1		0	0	0	0	0	0	31	0	0
	1200												2.3		0	0	28	0	1	0	2	0	0
Quetta (Samungli)	0000	5213	831.9		1400.6	69.9	59.1	51.2	13.2		53		1.7		0	0	12	13	1	1	1	1	2
	0300		832.7		1406.7	77.1	63.9	55.6	15.6		49		2.2		0	0	7	11	0	1	2	1	9
	1200		830.0		1371.5	93.9	64.9	44.1	10.5		20		2.9		2	4	2	3	1	2	13	4	0

(*) Data rejected. (a) Mean for 30 days. (b) Mean for 29 days. (c) Mean for 28 days.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF JULY, 1958.

DIVISION AND STATION	Hours of observation.	Height of bar cistern above mean sea level.	Mean Pressure: Station level reduced to standard 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	0300	5490	(a) 824.8	—1.2	1406.6	75.8	(a) 69.6	(a) 67.0	22.5	+4.4	73	+12	(a) 2.0	+0.9	1	1	0	(a) 2	9	2	0	0	15
	1200		(b) 822.3		1374.4	(a) 91.9	(a) 74.5	(a) 66.0	22.5		45		(c) 3.7		6	0	0	(a) 1	5	7	3	5	3
Chaman	0000	4311	859.2		1407.8	80.3	64.9	55.2	14.7		41		0.0		0	31	0	0	0	0	0	0	0
	0300		860.3	—0.6	1419.1	85.7	69.6	60.0	18.2	+5.3	43	+10	0.2	—0.5	0	0	0	16	0	10	3	0	2
	1200		857.8		1395.3	99.0	76.6	64.5	22.1		35		0.5		0	1	0	0	0	21	6	1	2
KALAT (NORTH)																							
Kalat	0000	6616	793.5		1423.9	63.4	55.0	49.0	11.8		59		0.6		0	1	1	0	10	0	0	0	19
	0300		794.2	+0.3	1420.2	74.3	59.6	48.9	12.2	—0.1	42	—5	0.5	—1.1	2	4	1	6	8	0	0	0	10
	1200		792.3		1386.4	84.7	61.5	42.7	10.3		26		1.2		3	4	3	0	1	3	7	8	2
Nushki	(x) 0000	3416	—		—	—	—	—	—		—		—										
	0300		891.2		1459.2	85.5	66.8	53.9	14.9		36		0.0		6	9	6	6	3	0	0	1	0
	1200		887.0		1430.6	104.3	73.4	53.5	15.5		20		0.0		16	2	3	0	6	2	1	1	0
Dalbandin	0000	2785	904.2		1388.0	81.3	61.6	44.7	11.4		29		1.6		0	3	0	3	0	9	7	4	5
	0300		905.2	—0.6	1402.0	85.5	64.1	47.1	11.8	—0.9	27	—6	1.8	—0.8	0	0	0	2	2	7	8	4	8
	1200		902.0		1390.1	104.8	70.4	46.2	11.4		15		2.7		0	1	2	5	1	17	4	1	0
KALAT (SOUTH)																							
Panjgur	0000	3177	894.2		1405.2	78.5	68.1	61.7	18.4		57		2.6		13	1	0	0	9	3	1	4	0
	0300		895.0	+0.5	1414.9	79.6	67.8	60.5	17.1	—5.9	53	—12	2.6	+0.8	3	2	0	0	4	4	1	1	16
	1200		892.0		1405.1	97.3	51.3	72.8	16.1		29		2.0		3	4	0	0	1	13	1	9	0
AFGHANISTAN																							
Kabul	(R) 0300	5955		—																			
	1200																						
Kandahar	0300	3462	889.0	—	1445.6	76.9	68.0	62.1	19.9	—	62	—	0.6	—	0	2	1	3	2	1	0	0	22
	1200		885.5		1422.6	93.7	77.3	69.5	25.3		47		0.7		0	0	1	1	0	4	1	0	24

(a) Mean for 30 days. (b) Mean for 29 days. (c) Mean for 28 days. (x) Data rejected. (R) Register not received.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF JULY, 1958.

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 DIVISION																					
Cox's Bazar (P. T.)	87.2	+1.9	93	2	77.0	+0.6	74	26	33.16	—2.36	4.85	27	20	—3.0	4.1	—0.2	2				
Chittagong (Patenga)	88.1		92	7,15	77.9		71	24	10.06		2.28	25	13		x						
Chittagong	87.0	+1.0	91	2,15	80.5	+3.8	75	9	11.19	—12.34	2.28	25	17	—1.9	4.5	—2.5					
Maijdi Court	86.3	+0.5	90	5, 8, 15	77.9	—0.3	69	14	(a) 25.22	x	x		x		x						
Comilla	89.7	+2.0	94	15	78.2	+1.1	76	24	9.48	—6.94	2.30	31	15	—3.8	x						
Brahmanbaria	90.5	+1.0	96	7	78.8	+3.0	77	26, 29	5.32	—5.99	1.63	15	12	—4.6	4.1		6				
Srimangal	91.5	+1.2	95	9	77.4	+1.0	76	6 days	13.13	—0.78	3.33	20	18	—2.8	1.5	—1.7	16				
Sylhet	90.5		94	17	78.3		77	9 days	10.89		1.90	28	22		x		15				
DACCA DIVISION																					
Mymensingh	89.9	+2.0	94	3, 15	79.0	+0.7	76	24,25,26	10.63	—5.39	2.63	24	17	—2.2	1.7	—0.6					
Narayanganj	89.5	+1.3	94	8	80.0	+1.1	78	8,24,28	10.00	—2.97	1.83	24	18	+0.3	5.3	+0.9					
Dacca (Tejgaon)	88.5		93	8	79.5		77	8,24	7.22		2.29	24	15		7.9		3				
Faridpur	88.4	+0.6	92	7, 8	78.3	—0.2	76	25	7.11	—5.63	1.44	24	13	—4.8	3.3	—2.0					
Barisal	87.5	+0.2	92	7	79.1	+0.7	77	13,24	16.30	—0.02	4.25	24	22	+0.9	3.3	+0.3					
RAJSHAHI DIVISION																					
Khulna	87.8	—0.1	95	26	79.3	+0.7	76	24,25	12.46	—1.98	2.93	25	16	—5.1	2.8	—0.9					
Satkhira	89.9	+1.4	99	1	79.1	+0.7	75	24	11.97	—1.53	2.60	28	17	—1.4	2.2	—0.2					
Jessore	89.4	+1.3	95	7	78.7	+0.7	72	27	10.67	—1.55	2.91	29	17	—0.7	3.0	+0.4			2		
Pabna	90.9	+1.2	94	7,8	79.8	+3.4	78	25,26,31	6.96	—4.13	1.49	24	14	—2.6	x						
Serajganj	89.2		94	8	79.6		78	5 days	7.36	—4.42	1.54	24	12	—4.1	3.8		1				
Rajshahi									5.23	—5.90	1.13	24	9	—6.3							
Bogra (P.B.O.)	91.5	+2.3	95	15	80.0	+1.5	76	24	14.22	+1.39	7.59	24	9	—7.8	3.1	+1.1	1				
Dinajpur	91.7	+2.5	95	3,15,21	79.9	+1.0	72	24	6.06	—9.41	1.40	25	10	—6.7	2.7	+0.2	3				
Rangpur	90.3		93	5 days	79.8		77	24	9.56	—6.45	2.38	24	16	+1.0	3.0						

(a) Mean for 30 days.

(x) Data not available.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF JULY 1958.

DIVISION AND STATION	Maximum Temperature of the Air °F				Minimum Temperature of the Air °F				Precipitation (inches)						Wind Velocity (knots)		Weather Number of Days				
	Mean.	Departure from normal.	Highest.	Date.	Mean.	Departure from normal.	Lowest.	Date.	Total of the month.	Departure from normal.	Heaviest fall in 24 hours.	Date.	Days with 0.10 inch or more.	Departure from normal.	Mean.	Departure from normal.	Thunder heard.	Hail.	Fog.	Haze (dust).	Dust Storm.
																	Visibility Code Figure 93 or less				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
KASHMIR																					
Jammu (x)																					
LAHORE																					
Lahore P.B.O.	97.7	—1.9	105	4	81.7	+1.6	74	17	5.93	+0.48	2.80	17	6	+0.1	—2.7	+0.5	7	0	0	1	1
„ (Cantt.)	96.7	—	104	7	80.8	—	73	27	68.4	—	2.67	8	7	—	5.5	—	6	0	0	0	1
„ (Walton)	98.3	—	106	4.7	81.0	—	74	18,19,27	4.23	—	2.07	17	7	—	6.6	—	5	0	0	0	0
Sialkot	96.1	—1.3	107	3	79.4	—0.2	71	21	15.21	+6.86	3.87	26	11	+2.0	*	—	0	0	0	0	0
RAWALPINDI																					
Jhelum	96.2	—	107	3.4	78.8	—	73	8	10.10	—	1.81	27	13	—	19	—	15	0	0	0	2
Chaklala	98.0	—	108	5	77.4	—	70	21	10.13	—	2.44	17	11	—	5.8	—	21	0	0	0	2
Rawalpindi	96.0	—1.8	109	5	77.8	+0.7	72	29	10.66	+2.59	2.15	8	11	+2.2	x	—	14	0	0	0	0
Khushab	104.3	+2.1	114	5	83.1	+0.7	73	17	7.70	+3.80	5.86	17	3	—1.3	5.3	0.0	3	0	0	0	0
Sargodha (x)																					
MULTAN																					
Lyallpur	98.4	—3.1	108	5	83.0	+0.3	73	9	5.36	+2.50	2.02	9	3	—0.8	2.7	—0.1	6	0	0	0	1
Montgomery	100.1	—2.8	109	5.7	83.2	—0.5	74	17	1.18	—1.24	0.97	10	2	—1.3	2.9	—1.9	0	0	0	0	0
Multan (P.B.O.)	104.4	—	113	5	85.7	—	80	18	0.03	—	0.03	9	0	—	4.6	—	3	0	0	0	3
„ (Surface)	104.3	+1.9	114	5	87.5	+2.0	82	9.18	0.02	+1.99	0.02	9	0	—2.3	1.3	—0.9	1	0	0	1	2
BAHAWALPUR																					
Leiah (x)																					
Khanpur (Surface)	106.4	+1.0	114	1.4	83.9	+0.8	81	14	*	—	*	—	*	—	(b) 6.4	—0.8	0	0	0	0	0
„ (P.B..O)	105.2	—	112	1	83.5	—	80	14	0.44	—	0.26	11	2	—	7.4	—	3	1	0	1	6
Bahawalpur (R)																					
Fort Abbas	104.7	—	113	5	84.8	—	73	9	2.04	—	1.40	9	2	—	6.8	—	0	0	0	0	0
PESHAWAR																					
Chakdara	96.5	—	107	4	72.6	—	63	21,22,23	4.60	—	0.90	15	2	—	(x)	—	1	0	0	0	0
Peshawar	101.7	—0.8	113	5	81.6	+1.4	75	8,16,17	0.96	—0.30	0.90	16	1	—1.0	4.0	+2.0	11	0	0	0	3
Risalpur	103.4	—	116	5	82.3	—	70	17	4.90	—	3.89	16	2	—	4.3	—	13	0	0	0	2
Haripur	99.8	—	111	5	79.7	—	71	8	3.91	—	1.71	26	9	—	(h) 4.4	—	4	0	0	0	0
Campbellpur	100.3	—	113	5.12	79.8	—	66	24	5.60	—	2.70	16	5	—	6.0	—	0	0	0	0	1
D. I. KHAN																					
Kohat	101.2	—	113	5	82.7	—	74	8.24	3.36	—	2.03	16	5	—	4.8	—	17	0	0	0	1
Bannu	101.4	—1.7	110	5	83.2	+0.7	77	17	1.26	—0.95	0.70	28	4	+0.8	3.0	—	2	0	0	0	2
D. I. Khan	103.4	+0.1	112	5	83.5	+0.8	75	1.17	4.25	+1.96	2.71	17	3	+0.2	1.1	—0.7	0	0	0	0	1

(x) Data not available. (b) Mean for 29 days. (R) Register not received. (*) Data rejected. (h) Mean for 23 days.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF JULY, 1958.

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 Figures 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
QUETTA																					
Sibi	111.3	+3.5	119	2	*				1.65	+0.25	0.71	9	4	+1.4	3.1	—2.1	0	0	0	0	0
KALAT (NORTH)																					
Nokkundi	108.1	—1.3	114	12	84.0	+0.4	77	16,17,20	0.10	—0.10	0.10	12	1	+1.0	x		0	0	0	0	0
KALAT (SOUTH)																					
Turbat	*				x				2.01		1.05	14	4		*		1	0	0	0	0
Jiwani	92.1		102	3	82.6		77	13	0.48		0.43	13	1		7.9		0	0	0	0	0
Pasni	92.7	+1.5	103	2,3	81.6	+2.7	79	6 days	1.42	+0.95	1.42	13	1	+0.4	8.2	+2.4	0	0	0	0	0
Ormara	91.7	+1.5	102	2,3	81.7	+0.5	76	8	4.59	+3.94	1.74	13	5	+3.7	9.7	+1.1	5	0	0	0	0
Lasbela	102.3	+1.5	114	1	80.7	0.0	77	3,4,12	1.90	—0.73	0.65	11	4	+0.5	2.7	—0.4	4	0	0	0	0
FEDERAL CAPITAL AREA																					
Karachi (Manora)	89.9	+1.4	108	2	79.8	—1.3	74	12	4.16	+0.96	3.57	11	3	+0.5	x		0	0	0	1	0
Karachi (Mauripur)	90.8		106	2	82.3		78	11	3.18		1.68	12	4		x		4	0	0	0	1
Karachi (City)	91.3		106	2	82.0		79	13,30,31	4.95		1.55	13	4		7.7		0	0	0	0	0
Karachi (P.A.F.)	(a) 92.2		107	3	82.4		79	13	4.54		2.05	12	3		16.7		2	0	0	0	0
Karachi (Airport)	91.7		108	3	82.2		79	11	5.17		2.43	13	4		10.8		2	0	0	0	0
HYDERABAD																					
Badin	95.4	—0.5	112	2	81.2	0.0	75	1,10	5.85	+1.88	2.30	11	5	+1.2	6.9		0	0	0	0	0
Nagarparkar	96.6		104	1,2	81.2		75	10	3.31		2.25	10	4		7.4		0	0	0	0	0
Umarkot	98.2		106	4,6	81.9		77	13	1.58		0.63	10	4		9.9		7	0	0	0	0
Chhor	96.5		106	1	81.4		77	10,13	3.50		1.10	11	7		9.0		5	0	0	1	1
Hyderabad	98.8	—0.5	109	3	82.3	+0.9	78	11,13,14	3.31	+0.33	1.49	11	4	+1.1	11.6	+2.3	5	0	0	0	0
KHAIRPUR																					
Padidan	105.8		113	1	83.1		77	13	1.53		0.50	6,12	4		8.3		4	0	0	0	0
Nawabshah	103.9		110	1,9	82.3		76	24	2.90		1.29	11	3		8.3		6	0	0	0	0
Sukkur	105.5	+1.2	112	1,7	83.5	+0.5	79	31	1.04	—0.40	1.04	6	1	—0.7	2.2	—2.2	0	0	0	0	2
Kashmore	106.8		111	5,19	*				0.00		0.00		0		x		0	0	0	0	0
Jacobabad	107.6	—0.4	115	1	87.0	+2.0	82	14	0.00	—0.95	0.00		0	—1.5	9.5	+3.0	0	0	0	0	0
JUNAGADH																					
Veraval (x)	x				(n) 80.5		x		x				x		x		x	x	x	x	x
AFGHANISTAN																					
Jalalabad (x)																					
ARABIA																					
Muscat	95.2	+0.1	109	21	87.1	—0.1	79	13	0.21	+0.20	0.21	13	1	+0.9	3.2	+0.1	0	0	0	0	0
HILL STATIONS																					
KASHMIR																					
Srinagar (x)																					
Gulmarg (x)																					
Gurez (x)																					
Sonamarg (x)																					
Dras (x)																					
Kargil (x)																					
Leh (x)																					
Skardu (x)																					

(*) Data rejected. (n) Mean for 17 days. (a) Mean of 30 days. (x) Data not available.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF JULY, 1958.

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
KASHMIR—(*continued*)																					
Misgar	78.6	—	90	15	—	—	—	—	0.05	—	0.05	17	0	—	(a) 4.7	—	0	0	0	0	0
Aliabad (x)																					
Gilgit (Surface) (x)																					
RAWALPINDI																					
Murree	74.0	—2.2	84	4	61.4	+2.5	56	8	12.68	+0.28	2.60	6	18	+4.7	4.6	+0.9	11	0	13	0	0
PESHAWAR																					
Drosh	102.3	+5.6	107	4	77.3	+3.8	67	19	0.07	—0.53	0.05	15	0	—1.5	4.5	+0.1	5	0	0	0	0
Cherat	89.6	—0.1	102	5	71.7	0.0	63	19	6.37	+2.73	3.40	16	8	+3.2	x	—	1	0	7	0	0
Kakul	87.5	—	99	5	70.5	—	65	1,8,15	1.96	—	2.50	15	15	—	x	—	18	0	0	0	1
Balakot (R)																					
Landikotal	95.6	—	104	5	76.3	—	71	18	0.21	—	0.21	16	1	—	3.1	—	0	0	0	0	0
D. I. KHAN																					
Parachinar	(c) 90.3	+3.2	96	8	—	—	—	—	4.05	+0.53	2.29	11	4	—2.9	x	—	0	0	0	0	0
Miransahah	96.5	—0.1	106	5	77.8	—1.3	70	17	3.23	+1.66	2.64	16	3	—0.3	(a) 4.4	—1.4	0	0	0	0	0
Wana	92.6	+0.8	100	5,15	71.4	+0.1	65	1	1.71	—0.02	0.63	22	6	+2.0	1.4	—	5	0	0	0	0
QUETTA																					
Fortsandeman	99.2	—0.1	104	31	75.6	+0.5	68	6	4.06	+1.92	1.35	8	6	+2.2	4.0	+1.6	0	0	0	1	0
Hindubagh	95.8		100	5	68.0		57	15	0.92		0.51	15	2		6.4		0	0	0	0	0
Loralai	94.7		99	25,31	68.5		63	2	0.15	—1.39	0.08	6	0	—2.9	3.4		0	0	0	0	0
Harnai									3.77	+0.67	1.40	9	4	—1.0	x		0	0	0	0	0
Quetta (Samungli)	96.2		100	8	67.0		58	21,24	0.01		0.01	15	0		6.6		3	0	0	0	0
Quetta	(a) 94.4		98	56	(a) 66.7		60	18	0.00		0.00		0		x		0	0	0	0	0
Chaman	100.9	—0.2	106	5	76.4	+0.1	70	16	0.57	+0.50	0.57	6	1	+0.8	x		0	0	0	0	0
KALAT (NORTH)																					
Kalat	89.7	—1.4	94	25,26	62.5	+0.3	57	4 days	1.55	+0.95	1.21	11	3	+1.5	4.6	+0.6	0	0	0	0	0
Nushki	108.3		120	29	82.1		76	17	0.00		0.00		0		x		0	0	0	0	0
Dalbandin	110.9	+2.2	112	11	79.0	+2.8	68	19	0.07	—0.05	0.07	12	0	—0.4	4.8	+0.1	3	0	0	3	2
KALAT (SOUTH)																					
Panjgur	99.6	—3.7	106	2	73.7	—2.6	66	19	3.28	+2.49	2.15	4	5	+3.7	4.2	—0.7	0	0	0	0	0
AFGHANISTAN																					
Kabul (R)																					
Kandahar	97.7	—	102	13	70.0	—	62	20,25	0.12	—	0.05	13	0	—	0.9	—	3	0	0	0	0

(R) Register not received. (a) Mean for 30 days. (*) Data rejected (x) Data not available. (c) Mean for 27 days

REGD. No. S - 1452

PAKISTAN WEATHER REVIEW, 1958

MONTHLY WEATHER REPORT

August

(PUBLISHED BY THE AUTHORITY OF GOVERNMENT OF PAKISTAN)

Chief Features:

1. Frequent occurrence of moderate to heavy rainfall in Lahore and Rawalpindi divisions during the first fortnight resulting in persistence of the last month's floods.

2. Fairly active monsoon in East Pakistan upto the third week followed by floods in some of the rivers during the 4th week.

West Pakistan

The axis of monsoon trough which lay close to the foot of the Himalayas on the first day of the month, shifted southwards and lay over the Gangetic plains between the 2nd and the 4th. Under its influence deflected monsoon air, in shallow layers reached upto Lahore division. This in association with a low pressure wave, a trough and a western disturbance that moved in close succession across Peshawar division and Kashmir caused scattered thunderstorms/showers in Peshawar, Rawalpindi and Lahore divisions occasionally during the first six days of the month and in Multan division on the 4th. Locally moderate to heavy falls also occurred in the first two named divisions during the week.

The monsoon trough again shifted southwards in the beginning of the second week and extended across west Rajistan to the north-west Bay of Bengal where it persisted till the middle of the month. Simultaneously an active western disturbance and five westerly low pressure waves moved across the north of West Pakistan and caused accentuation of the seasonal trough which in turn led to a thicker penetration of the Arabian Sea branch of monsoon current. As a consequence fairly widespread and locally moderate to heavy rain fell frequently in the northern divisions and occasionally in the central divisons between 7th and the 17th and in Khairpur division only on the 9th. As a result of the heavy rainfall floods in the rivers Indus, Ravi and Chenab which commenced during the fourth week of July persisted till the middle of August. According to news paper reports extensive areas remained in undated and considerable loss of life and property occurred in the districts of Sheikhupura and Sialkot.

An easterly low, which appeared over Madhya Bharat and filled up over there, was responsible for scattered light showers in Hyderabad division on the 18th and the 19th.

During the last ten days of the month the southwards shift of the monsoon trough occurred in association with the passage of five more westerly low Pressure waves which moved in close succession across Peshawar division and Kashmir. Threse caused scattered to local thunderstorms or showers over the northern divisions on most of the days except on the 21st, 23rd and 27th when fairly widespread thunder-rain activity occurred in Lahore and Rawalpindi divisons and scattered to local elsewhere. Some outstanding amounts of rainfall were Murree and Montgomery 2″ each on the 4th, Murree 2″ on the 5th, Murree 8″ and Kakul 4-1/2″ on 6th, Chakdara 5″, Jhelum and Chakdara 2″ each on the 7th, Sialkot 2″ on the 8th, Rawalpindi 3″ on the 11th and Montgomery and Parachinar 2″ each on the 28th.

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

The mean maximum and the mean minimum temperatures were normal over the region outside Bahawalpur, Quetta, Kalat and Hyderabad divisions and the Federal Capital Area where the mean maximum temperature was above normal. The mean relative humidity was in defect in Kalat and Khairpur divisons, in excess in Quetta division and normal elsewhere.

The mean cloud amount was in excess in Khairpur division, normal in Lahore, Rawalpindi, Multan, Bahawalpur, Peshawar and Quetta divisions and in defect elsewhere.

East Pakistan

Monsoon was fairly active and caused local to fairly widespread rain over East Pakistan practically throughout the first fortnight with locally heavy falls over the region between the 4th and the 7th. Thereafter pronounced rainfall activity continued under the influence of a depression which formed in the northwest Bay of Bengal and was centered at 0300 GMT on the 17th within one degree of Latitude 19-1/2°N and Longitude 87-1/2°E. It moved north-eastwards and weakened into a low over Madhya Pardesh by the 18th morning. It caused local to fairly widespread rainfall in East Pakistan between the 15th and the 20th. The pronounced rainfall activity in East Pakistan coupled with the heavy rainfall in the neighbouring Bharati region resulted in floods in some of the rivers which inundated large areas in Faridpur, Bakur Gunj and Pabna and caused considerable loss to Aus and Aman crops as reported by newspapers.

Monsoon became weak between the 21st and the 27th and except on the 24th and the 27th when fairly widespread rain fell in Dacca and Chittagong divisions, the rainfall was scattered to local over the region on other days. However, under the influence of a depression which formed in the northwest Bay of Bengal on the 29th morning and moved away westnorthwestwards during the next two days, fairly widespread rain fell in Dacca and Chittagong divisions and local or scattered in Rajshahi division between the 28th and the 31st.

Some of the more important amounts of rainfall recorded were:— Cox's Bazar 4″ on the 1st, Barisal 7″ on the 3rd, Mymensingh 5″ and Dinajpur 4″ on the 4th, Dacca 6″ and Narayanganj 4″ on the 5th, Maijdee Court 4″ on the 7th and Cox's Bazar 4″ on the 15th.

The total rainfall during the month was in slight defect in Chittagong division, normal in Dacca division and in slight excess elsewhere. Averaged over the region it was normal.

The mean maximum, the mean minimum temperatures, the mean relative humidity and the cloud amount were all normal everywhere.

Table 1 contains the divisional means of rainfall, temperature, humidity and the cloud amount for the 15 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, 1958.

Division	PRECIPITATION				DEPARTURE FROM NORMAL OF				
	Actual	Normal	Departure from normal	Percentage departure from normal	Maximum temperature	Minimum temperature	0300 hrs. G. M. T. Vapour pressure	0300 hrs. G. M. T. Relative humidity	0300 hrs. G. M. T. Cloud
1	2	3	4	5	6	7	8	9	10
	"	"	"		°	°	Mb.	%	
EAST PAKISTAN									
Chittagong	15.31	19.44	—4.13	—21	+0.3	+1.0	+0.3	—1	+0.4
Dacca	13.60	13.95	—0.35	—3	+0.6	+0.5	+0.6	—2	0.5
Rajshahi	14.28	12.11	+2.17	+18	+0.1	+1.0	+0.9	—1	+0.4
Mean	14.40	14.92	—0.52	—3	+0.3	+0.9	+0.7	—1	+0.4
WEST PAKISTAN									
Kashmir (x)									
Lahore	4.69	7.23	—2.54	—35	—0.5	—0.2	—0.3	—2	+0.3
Rawalpindi	11.27	8.83	+2.44	+28	+0.3	—0.8	—0.4	—1	+0.2
Multan	2.44	2.77	—0.33	—12	+1.3	—0.1	—1.5	—4	—0.4
Bahawalpur	0.00	1.33	—1.33	—100	+2.9	+1.6	+1.6	+1	0.0
Peshawar	2.33	2.54	—0.21	—8	—0.2	—1.5	—1.2	—5	—0.5
D. I. Khan	3.54	1.93	+1.61	+83	—0.6	—1.3	0.4	+5	—0.7
Quetta	0.40	1.28	—0.88	—69	+2.3	+0.5	+3.4	+8	—0.6
Kalat	0.00	0.31	—0.31	—100	+7.4	—0.7	—1.7	—7	—1.4
Federal Capital Area	0.08	1.56	—1.48	—95	+4.1	+0.2	+2.0	+1	—1.6
Hyderabad	0.00	2.17	—2.17	—100	+3.5	+1.0	+1.5	+1	—3.1
Khairpur	0.00	1.00	—1.00	—100	—1.6	+1.5	—1.9	—9	+0.6
Mean	1.19	1.76	—0.57	—32	+3.5	—0.5	—0.1	—2	—1.0
Junagad (x)									

(x) Data not available.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF AUGUST, 1958.

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 8000/7000 mbs. pressure level in Cgm	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
EAST PAKIPTAN	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas										
Chittagong Division																							
Cox's Bazar (P.T.)	0300	38	1005.0	+2.1	1006.3	82.7	79.3	77.2	32.0	+0.3	86	—2	5.1	—1.1	1	0	4	15	8	1	1	0	1
	1200		1002.7		1004.0	81.8	78.5	77.0	31.7		85		6.0		0	0	0	10	16	3	2	0	0
Chittagong (Patanga)	0000	20	1004.1		1004.7	78.1	76.6	75.8	30.5		93		6.6		0	0	1	20	3	1	0	0	6
	0300		1005.4		1006.0	83.0	78.3	76.4	31.3		81		6.6		0	0	1	27	3	0	0	0	0
	1200		1002.4		1003.1	83.4	79.4	77.2	32.0		83		6.9		0	0	0	6	20	3	2	0	0
Chittagong	0000	46																					
	0300		1004.6	+1.9	1006.2	82.2	78.2	76.2	30.9	—0.4	83	—3	6.7	+0.4	0	0	2	15	12	0	0	0	2
	1200		1001.5		1003.1	82.8	78.9	78.0	32.0		83		7.3		0	0	1	2	17	8	2	0	1
Maijdi Cour	0000	25	1003.8		1004.7	79.5	77.7	76.9	30.8		91		6.7		0	0	1	4	6	0	0	0	20
	0300		1004.8	+2.1	1005.8	82.8	79.2	77.8	32.8	+0.2	85	—2	6.7	+1.3	0	0	0	6	5	0	0	0	20
	1200		1000.4		1001.3	82.2	79.4	78.5	32.5		87		5.5		0	0	0	7	4	0	0	0	20
Comilla	0000	29	1003.4		1004.4	78.9	77.9	77.7	32.3		95		7.3		0	0	0	0	0	0	0	0	31
	0300		1004.6	+1.7	1005.6	83.1	79.5	78.0	32.8	+0.7	85	+1	6.0	+0.4	0	0	0	0	10	0	0	0	21
	1200		1001.4		1002.4	84.3	80.0	78.3	32.4		81		5.8		0	0	0	0	16	0	0	0	15
Brahmanbaria	0000	32	1003.2		1004.3	79.8	78.3	77.8	32.6		93		6.9		0	0	4	7	12	0	0	0	8
	0300		1004.4		1005.5	83.4	79.4	77.4	32.0	+1.4	83	+3	6.3		0	1	1	14	11	0	0	0	4
	1200		1001.2		1002.3	84.0	79.6	77.8	32.4		81		5.8		0	0	1	8	11	6	0	0	5
Srimongal	0000	69	1002.2		1004.6	77.7	76.4	75.9	30.5		93		6.1		0	0	0	7	8	0	0	0	16
	0300		1003.4	+1.7	1005.8	83.1	78.8	77.1	31.3	—0.5	81	—4	6.5	+1.2	0	2	2	12	10	1	0	0	4
	1200		1000.0		1002.4	81.8	78.8	77.8	32.5		87		6.5		0	0	0	1	5	2	2	0	21
Sylhet	0000	115	1000.3		1004.3	77.6	76.7	76.2	31.3		95		7.4		0	2	7	6	5	0	1	1	9
	0300		1001.6		1005.6	81.3	78.5	77.2	31.4		87		7.3		1	2	6	8	7	0	0	0	7
	1200		998.3		1002.2	81.7	79.0	78.0	33.3		89		6.7		0	1	1	0	3	0	5	2	19
Dacca Division																							
Mymensingh	0000	62	1001.8		1003.9	79.4	78.1	77.6	31.5		93		7.1		0	0	4	5	0	0	2	0	20
	0300		1003.1	+1.7	1005.2	83.0	79.5	78.5	32.8	+0.1	85	—2	7.2	+0.4	0	0	3	18	1	0	4	0	5
	1200		999.8		1002.0	84.4	79.9	78.2	32.4		81		7.0		0	0	3	12	1	0	2	0	13
Narayanganj	0000	26	1003.0		1003.9	80.8	78.6	77.8	32.9		91		7.8		0	0	3	6	13	5	0	0	4
	0300		1004.3	+2.0	1005.2	84.5	80.2	77.5	33.5	+0.7	81	—5	7.7	+0.8	0	0	5	6	15	2	2	0	1
	1200		1001.1		1002.0	84.5	79.6	77.5	32.7		79		7.3		0	0	2	7	18	1	0	0	3
Dacca (Tejgaon)	0000	27	1002.1		1003.1	80.0	78.7	78.2	32.6		93		7.5		0	0	1	11	11	6	0	0	2
	0300		1003.4		1004.4	83.5	79.9	78.5	33.1		85		7.3		0	0	2	10	8	11	0	0	0
	1200		1000.4		1001.4	83.4	79.4	77.4	32.5		83		6.7		0	0	1	9	18	2	1	0	0

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF AUGUST, 1958.

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										
Dacca Division																							
Faridpur	0000	46	1001.7		1003.3	80.8	79.4	78.8	33.7		93		6.8		1	0	1	12	13	1	0	0	3
	0300		1002.5	+1.2	1004.1	83.8	80.3	79.0	33.8	+0.5	85	—1	7.2	+1.2	0	0	1	5	18	1	0	0	6
	1200		1000.2		1001.8	84.1	80.4	78.9	33.8		85		6.4		0	0	3	11	14	1	0	0	2
Barisal	0000	11	1003.4		1003.8	80.1	79.2	78.5	33.4		96		6.0		0	0	2	3	4	0	0	0	22
	0300		1004.7	+2.2	1005.1	84.1	80.8	79.8	34.0	+1.2	85	—1	5.6	—0.6	0	0	7	6	6	0	2	0	10
	1200		1001.5		1002.0	84.9	81.1	79.6	34.3		83		5.0		0	0	4	7	8	1	1	0	10
Rajshahi Division																							
Khulna	0000	16	1002.5		1003.0	79.9	79.1	78.9	33.4		96		6.0		0	0	5	1	8	0	0	0	17
	0300		1004.0	+2.1	1004.5	84.1	80.7	79.4	34.0	+1.4	85	+1	6.4	—0.4	0	0	3	7	14	(a) 0	0	0	6
	1200		1000.9		1001.5	84.4	80.7	79.3	34.0		85		5.4		0	0	2	10	9	0	0	0	10
Satkhira	0000	16	1002.6		1003.1	80.0	78.9	78.6	33.4		96		4.0		0	1	3	0	8	0	0	0	19
	0300		1003.9	+2.4	1004.4	84.5	80.5	78.7	34.3	+0.7	83	—3	5.8	0	0	0	4	2	5	6	0	0	14
	1200		1001.0		1001.5	84.6	80.7	79.0	34.3		83		5.3		0	0	1	0	5	5	0	0	20
Jessore	0000	26	1001.9		1002.7	79.6	78.8	78.7	33.4		96		6.4		0	0	3	2	16	1	1	0	8
	0300		1003.3	+1.7	1004.3	83.6	80.7	80.0	34.8	+1.4	87	+1	6.9	+0.6	0	0	3	4	18	6	0	0	0
	1200		1000.7		1001.8	84.8	81.2	79.5	35.1		85		6.0		0	0	3	3	24	1	0	0	0
Pabna	0000	48	1000.6		1002.2	80.2	78.6	77.7	32.4		93		(a) 6.1		1	2	5	10	3	1	(a) 0	0	8
	0300		1002.6		1004.2	83.9	80.1	78.3	33.4	+0.1	83	—2	(a) 6.1		1	1	4	15	3	5	0	2	0
	1200		999.6		1001.2	84.7	80.1	78.4	32.7		81		6.3		0	2	5	18	0	5	(a) 0	0	0
Serajganj	0000	49	999.0		1000.6	80.3	79.1	78.9	33.4		96		7.9		0	0	3	1	12	1	0	0	14
	0300		1001.6		1003.3	82.5	79.6	78.3	33.6		87		7.7		0	0	4	6	8	2	0	0	11
	1200		998.4		1000.0	82.6	80.1	78.8	34.4		89		7.0		0	0	0	4	11	1	0	0	15
Rajshahi	0300												7.4										
(P.B.O.) Bogra	0000	65	1000.6		1002.8	79.7	78.9	78.6	33.4		96		7.0		0	0	4	3	2	6	0	0	16
	0300		1002.0	+1.6	1004.2	83.1	80.2	79.0	33.6	+1.4	87	0	7.0	+0.9	0	0	4	7	5	11	2	0	1
	1200		998.7		1000.9	84.7	80.7	79.0	34.3		83		6.4		0	0	5	7	7	7	0	0	5
Dinajpur	0000	123	997.8		1002.0	30.6	78.8	78.4	32.9		91		6.6		0	0	2	2	0	0	0	0	27
	0300		999.8	+1.6	1004.0	83.8	79.7	78.6	33.2	+0.2	83	—4	6.7	+0.8	0	0	3	0	0	0	0	0	28
	1200		996.2		1000.4	84.1	80.7	78.5	34.0		85		6.1		0	0	3	0	0	0	0	0	28
Rangpur	0000					79.2	78.3	78.0	32.3		95		7.3		1	2	3	18	5	2	0	0	0
	0300					81.9	79.5	57.0	78.6		89		7.4		1	2	3	12	9	3	1	0	0
	1200					83.7	80.3	79.0	33.1		85		6.1		1	2	4	14	9	0	1	0	0

(a) Observation for 30 days.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF AUGUST, 1958.

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.	M .	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas										
KASHMIR																							
Jammu (x)	0300	1200																					
	1200																						
LAHORE																							
Lahore (P.B.O.)	0000	702	975.7		999.6	80.0	77.1	75.5	30.5		87		3.4		0	0	2	8	0	1	0	1	19
	0300		977.0	+0.9	1000.7	84.1	78.2	75.6	30.3	+0.5	75	+2	3.2	+0.1	2	2	2	11	1	0	1	0	12
	1200		973.9		997.1	93.1	79.9	73.7	28.8		54		3.0		1	1	2	3	0	1	0	4	19
„ (Cantt.)	0000	703	974.7		998.8	79.8	77.2	75.8	30.7		89		3.3		0	1	9	7	4	0	1	1	8
	0300		976.2	—	1000.1	84.1	78.7	76.3	31.1	—	77	—	3.2	—	1	4	7	8	6	2	1	1	1
	1200		973.2		996.8	93.0	79.5	73.5	28.3		53		2.7		5	7	5	3	1	3	0	6	1
„ (Walton)																							
	0300	699	976.6	—	1000.2	84.8	78.8	76.1	30.9		75	—	3.1	—	1	1	4	19	1	0	1	1	3
	1200		973.3		996.5	93.6	80.3	74.5	29.3	—	54		2.5		4	4	4	5	2	0	1	10	1
Sialkot	0000	830	970.8		998.8	77.9	75.6	73.9	29.2		90		4.1		0	10	0	0	0	0	0	0	21
	0300		972.4	+0.1	1000.4	82.5	77.3	75.3	29.7	−1.2	78	−6	4.0	+0.6	0	10	0	5	0	0	0	0	16
	1200		969.3		996.6	91.1	80.9	76.4	31.4		62		2.1		0	8	0	2	0	0	0	5	16
RAWALPINDI																							
Jhelum	0000	765	973.4		999.4	78.9	76.0	74.7	29.3		87		3.3		1	0	3	4	2	0	0	0	21
	0300		975.0	—	1001.0	81.8	76.3	73.7	28.5	—	77	—	4.0	—	5	2	0	3	0	0	1	3	17
	1200		971.3		996.7	92.9	79.7	73.9	28.7		54		2.2		0	1	3	2	1	2	1	0	21
Chaklala	0000	1667	944.3		1000.3	75.9	72.9	71.6	26.4		86		3.3		3	2	7	4	3	0	1	1	10
	0300		945.7	—	1001.4	79.5	74.2	71.9	26.7	—	77	—	3.8	—	2	7	7	6	1	0	1	1	6
	1200		943.0		997.3	90.7	76.7	70.5	25.7		52		2.3		1	0	4	6	0	5	7	3	5
Rawalpindi	0000	1676	*		*	76.0 (a)	73.0 (a)	72.5	26.5		86		3.4		0	1	0	0	1	0	1	0	28
	0300		*	—	*	81.8	75.3	72.1	27.3	−0.5	73	−1	4.0	+0.6	1	2	4	2	0	0	1	0	21
	1200		*		*	90.7	77.9	72.3	27.4		55		2.3		1	0	0	4	3	1	0	1	21
Khushab	0000	616	978.3		999.3	81.1	77.6	75.9	30.7		85		1.9		0	3	10	2	1	0	1	0	14
	0300		979.6	−0.5	1000.4	84.5	78.8	76.5	31.0	+1.2	76	+6	2.2	−0.2	0	5	7	1	0	0	1	0	17
	1200		976.5		996.8	96.3	79.3	71.8	26.4		45		1.8		0	3	12	3	1	0	0	0	12
Sargodha (x) (Surface)	0300	614																					
	1200																						
MULTAN																							
Lyallpur	0000	605	978.6		999.2	81.6	76.7	74.4	29.2		79		2.1		0	6	2	5	1	4	1	0	12
	0300		979.1	+0.1	999.5	84.5	78.0	74.8	29.8	+0.7	73	+2	2.3	−1.1	0	8	1	2	2	6	1	3	8
	1200		976.8		996.9	94.7	79.6	72.5	27.6		44		2.9		1	2	0	8	3	6	2	0	9
Montgomery	0000	558	979.8		998.6	81.7	77.1	74.9	29.8		81		1.7		1	6	0	4	1	3	0	6	10
	0300		980.5	−0.1	999.2	84.8	77.9	74.6	29.5	−1.6	72	−3	1.5	−0.4	1	5	0	2	1	3	0	3	16
	1200		978.7		997.0	95.7	80.4	74.0	28.4		49		0.8		0	1	0	3	0	6	0	2	19
Multan (P.B.O.)	0000	404	984.2		997.9	85.1	77.6	74.2	28.9		70		1.8		0	2	0	1	9	2	0	0	17
	0300		985.6	—	999.3	88.3	78.6	74.3	29.0	—	63	—	1.8	—	1	0	1	5	10	3	0	0	11
	1200		982.5		995.7	100.4	81.8	73.6	29.0		43		2.5		1	2	0	0	5	12	2	0	9
Multan	0300	413	985.4	−0.4	999.3	88.3	78.1	73.5	28.2	−3.5	61	−12	2.0	+0.2	1	2	2	2	1	9	0	2	12
	1200		982.4		995.9	100.4	81.0	72.3	27.3		41		2.5		1	2	0	1	8	4	1	2	12

(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, 1958.

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	20	21	22	23
	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.		%											
BAHAWALPUR																							
Leiah (x)	0000	490																					
	0300																						
	1200																						
Khairpur	0300	297	991.2	+1.9	1001.3	86.0	78.3	74.6	29.6	+1.6	70	+1	*	...	2	2	0	0	8	9	4	0	6
	1200		986.2		995.9	103.8	82.5	73.3	28.2		38		*		8	1	0	0	3	3	5	1	10
Khanpur (P.B.O.)	0000	290	988.4		998.3	83.8	76.7	73.3	28.1		71		1.4		0	2	0	1	2	16	0	0	10
	0300		989.7	...	999.5	86.6	78.2	74.4	29.1	...	67	...	1.5	...	1	1	1	1	2	20	1	0	4
	1200		985.7		995.3	102.2	81.2	71.5	26.7		38		1.8		6	1	0	0	2	9	6	4	3
Bahawalpur (R)	0300	384																					
	1200																						
Fort Abbas	0000	475	981.8		997.8	86.2	77.1	72.1	27.7		65		0.7		1	4	0	4	0	22	0	0	0
	0300		984.0	...	999.8	90.5	78.2	71.7	27.4	...	56	...	1.1	...	1	3	0	5	1	19	0	2	0
	1200		980.7		996.3	101.0	80.0	71.4	25.4		38		2.6		1	6	2	6	2	10	0	4	0
PESHAWAR																							
Chakdara	0000	2197	925.0		998.2	74.8	68.2	64.0	20.8		71		3.5		8	0	0	0	0	0	3	0	20
	0300		926.1	...	999.1	77.3	70.4	67.0	23.6	...	70	...	3.5	...	1	0	2	3	1	0	0	0	24
	1200		922.9		993.8	90.1	76.5	71.1	25.6		53		3.3		1	1	0	0	0	0	5	0	24
Peshawar	0000	1177	959.2		998.8	79.5	73.4	70.2	25.4		74		1.8		6	3	0	0	2	3	1	9	7
	0300		960.7	+0.1	1000.1	83.1	75.2	71.3	26.2	−0.7	67	0	2.0	−1.2	7	3	0	1	0	2	0	12	6
	1200		957.4		995.8	94.5	77.5	68.7	24.4		44		3.4		2	22	1	2	0	2	0	0	2
Risalpur	0000	1009	964.8		998.9	80.3	73.5	67.8	25.1		71		2.9		0	3	8	5	0	0	1	2	12
	0300		966.4	...	1000.2	84.3	74.9	70.0	25.3	...	63	...	2.3	...	0	0	12	5	3	1	4	0	6
	1200		962.8		995.8	96.7	76.1	64.8	22.9		39		2.7		1	6	6	6	1	1	1	2	7
Haripur	0300	1757	941.7	...	1000.1	80.3	75.0	72.9	27.5	...	78	...	2.5	...	3	4	0	2	2	10	8	2	0
	1200		940.0		997.5	87.2	79.8	76.5	31.7		71		1.5		1	2	0	5	1	12	0	10	6
Campbellpur	0300	1175	960.8	...	1000.1	83.0	74.5	70.1	25.3	...	65	...	3.0	...	0	8	0	14	0	0	0	0	9
	1200		958.1		996.6	94.8	77.9	60.9	24.9		44		3.0		0	4	1	12	1	0	1	2	10
D. I. KHAN																							
Kohat	0000	1667	944.2		999.7	80.4	73.3	70.0	25.1		71		1.9		1	1	0	0	1	1	5	13	9
	0300		945.7	...	1001.0	83.8	74.9	71.1	25.9	...	65	...	2.9	...	0	0	3	3	3	1	3	8	10
	1200		942.8		997.0	93.4	77.1	69.6	25.1		46		3.7		0	2	2	3	5	4	4	4	7
Bannu	0000	1263	955.2		997.6	80.6	75.4	72.7	27.9		78		2.1		6	1	4	2	0	0	3	1	14
	0300		956.8	...	998.6	82.3	76.3	74.0	28.2	+0.9	75	+10	2.4	+0.3	2	6	4	5	0	0	3	2	9
	1200		954.1		995.3	93.6	79.9	69.5	28.8		53		2.7		0	7	3	18	0	0	0	1	2
D. I. Khan	0000	570	*		*	82.9	76.7	72.7	28.6		74		0.5		0	0	0	0	0	0	0	0	31
	0300		*	...	*	85.7	78.6	75.6	30.2	−0.8	72	−1	1.8	0.0	0	4	2	2	0	0	0	0	23
	1200		*		*	99.0	82.0	75.2	29.6		46		0.9		0	3	0	0	0	0	0	0	25

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

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF AUGUST, 1958.

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	5B	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	983.1		997.8	*	*						0.4		0	0	0	3	0	0	0	0	28
	0300		984.8	−1.4	999.5	90.5	79.4	74.5	29.3	+2.2	60	0	0.9	−0.5	0	1	0	2	0	0	0	0	28
	1200		980.9		995.1	107.6	84.1	74.1	29.2		36		1.1		0	0	0	3	4	5	0	0	19
KALAT (NORTH)																							
Nokkundi	0000	2229	924.6		997.8	82.3	59.0	37.3	7.5		20		0.0		9	1	1	0	0	1	1	18	0
	0300		926.3		999.1	86.5	61.9	42.3	9.3	−4.8	21	−10	0.0	−0.8	13	3	4	0	2	2	0	7	0
	1200		923.8		994.0	103.8	67.7	40.7	8.7		11		0.0		13	1	0	1	2	0	1	13	0
KALAT (SOUTH)																							
Turbat*	0000	510																					
	0300																						
	1200																						
Jiwani	0000	185	994.6		1000.9	79.2	76.7	75.5	30.2		89		3.9		0	0	0	5	6	5	1	0	14
	0300		995.5		1001.9	81.3	77.7	76.1	30.8		85		5.0		0	0	0	7	9	11	2	0	2
	1200		993.3		999.5	85.0	79.4	77.0	31.7		77		3.1		0	0	0	4	14	12	1	0	0
Pasni	0000 (a)	28	999.4		1000.3	78.7	76.2	75.1	30.0		89		3.0		0	0	1	2	0	7	10	1	9
	0300 (b)		1000.8	+0.1	1001.7	80.5	77.5	76.1	31.4	+1.6	87	0	3.6	−1.8	0	0	1	1	0	3	13	2	9
	1200 (b)		999.9		1000.8	86.4	79.7	76.7	31.5		74		0.7		0	0	0	1	2	20	5	1	0
Ormara	0000	15	999.9		1000.4	79.5	75.6	73.9	28.5		82		5.6		0	0	0	0	0	2	25	0	4
	0300		1001.1		1001.6	82.0	76.0	73.5	27.9	−1.2	75	−11	5.7	−0.5	0	0	0	0	0	2	22	0	7
	1200		999.2		999.7	86.7	77.7	73.7	28.4		65		1.2		0	0	0	0	0	5	26	0	0
Lasbela	0000	292	*			81.1	74.4	76.1	26.4		71		0.6		0	0	0	0	1	2	0	0	28
	0300		991.8	−0.4	1001.7	84.6	80.6	78.6	33.9	+3.5	83	+1	0.5	−4.3	0	0	0	3	2	0	0	0	26
	1200		988.8		998.5	98.2	84.2	78.2	33.7		54		0.0		0	0	2	9	4		8	0	1
FEDERAL CAPITAL AREA																							
Karachi (Manora)	0000	13	999.5		1000.0	79.4	76.9	75.9	30.4		85		5.2		0	0	0	0	0	12	17	0	2
	0300		1000.9	−0.1	1001.4	81.3	78.7	77.6	32.3	+2.0	89	+1	4.7	−1.6	0	0	0	0	0	13	18	0	0
	1200		998.7		999.1	88.3	84.2	82.9	38.2		84		4.4		0	0	0	0	0	13	18	0	0
Karachi (Mauripur	0000	52	998.5		(a) 1000.2	(a) 80.6	(a) 77.8	(a) 76.7	31.3		88		3.5		0	0	0	0	0	3	27	1	0
	0300		999.4		1001.2	81.8	78.4	76.9	31.7		85		5.4		0	0	0	0	0	4	24	3	0
	1200		997.2		999.0	85.6	80.1	77.7	32.6		78		4.4		0	0	0	0	0	11	17	3	0
Karachi (City	0300	20	1000.2		1001.1	82.7	79.6	78.5	33.6		87		5.4		0	0	0	0	1	18	11	1	0
	1200		998.0		998.9	84.7	81.1	79.4	35.1		85		4.2		0	0	0	0	0	18	13	0	0
Karachi (P.A.F.)	0000	24	999.3		1000.2	80.8	77.4	76.0	30.6		85		3.7		0	0	0	0	0	23	8	0	0
	0300		1000.2		1001.1	82.1	78.0	76.2	31.0		83		4.9		0	0	0	0	0	26	5	0	0
	1200		997.9		998.8	86.8	79.7	76.6	31.4		72		3.9		0	0	0	0	0	31	0	0	0
Karachi (Airport)	0000	73	997.8		1000.3	80.2	76.6	74.8	29.6		85		4.3		0	0	0	0	0	12	18	0	1
	0300		998.9		1001.4	82.0	76.9	74.7	29.3		79		5.4		0	0	0	0	0	9	21	1	0
	1200		996.6		999.1	86.6	78.1	74.1	29.0		67		4.5		0	0	0	0	0	22	9	0	0
HYDERABAD																							
Badin	0000	31	999.1		1000.2	81.0	76.8	75.0	29.6		83		0.0						*				
	0300		1000.7	+0.8	1001.8	82.2	78.2	76.5	31.1	+2.0	83	+3	0.0	−5.2					*				
	1200		997.7		998.7	93.9	83.8	79.3	35.0		65		0.2						*				
Nagarparkar	0000	178	994.9		1000.9	83.8	75.2	70.9	26.0		66		3.0		1	0	0	0	0	15	6	4	5
	0300		995.8		1001.8	84.2	75.4	70.8	26.1		65		2.6		0	0	0	0	0	15	5	4	7
	1200		992.8		998.6	95.8	80.9	74.1	29.2		50		3.3		0	0	0	0	0	17	8	3	3

*) Data rejected.

(a) Mean of 30 days
(b) Mean of 29 days

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF AUGUST, 1958.

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										
Umarkot	0000	55	997.4		999.3	80.4	76.8	75.2	29.8		85		0.5		0	0	0	0	4	25	0	0	2
	0300		998.2		1000.1	82.8	77.2	75.2	30.0		78		2.3		0	0	0	0	9	21	0	0	1
	1200		994.9		996.7	97.7	80.7	73.2	28.0		46		1.7		0	0	0	0	0	28	1	2	0
Chhor	0000	19	998.9		999.6	80.0	76.5	74.9	29.6		85		4.2		0	0	0	0	4	25	0	0	2
	0300		1000.1		1000.8	83.0	77.7	75.3	30.0		78		4.3		0	0	0	0	2	29	0	0	0
	1200		996.4		997.0	95.8	80.0	72.9	27.8		48		4.5		1	0	0	0	2	27	1	0	0
Hyderabad	0000	98	995.4		998.8	80.7	75.5	73.2	27.8		77		1.3		0	0	0	0	0	31	0	0	0
	0300		996.6	0.0	1000.0	83.0	76.6	73.7	28.4	+1.1	73	—1	2.5	—1.0	0	0	0	0	0	31	0	0	0
	1200		993.7		997.0	95.7	79.3	71.9	26.4		47		1.4		0	0	0	1	2	27	1	0	0
KHAIRPUR																							
Padidan	0000	153	922.2		997.4	82.4	76.2	73.0	28.0		74		0.6		0	1	0	11	18	0	0	0	1
	0300		993.5		998.7	84.7	77.1	73.5	28.4		70		1.0		0	1	0	17	11	0	0	0	2
	1200		900.2		995.2	103.5	80.3	69.3	26.4		34		1.8		0	1	0	11	16	0	1	1	1
Nawabshah	0000	124	994.0		998.3	81.6	76.2	73.8	28.6		77		1.2		0	0	0	3	22	1	0	0	5
	0300		995.2		999.5	84.8	77.6	74.3	29.1		71		2.3		0	0	1	3	26	1	0	0	0
	1200		992.2		996.4	101.1	81.7	73.3	28.1		41		1.6		0	0	2	1	24	2	0	0	2
Sukkur	0300	221	991.4	+1.1	998.8	86.1	78.3	74.8	29.5	+0.7	69	—5	2.3	+0.8	0	1	0	7	1	9	1	0	12
	1200		987.7		995.0	101.1	83.3	76.0	30.5		45		2.4		2	2	0	0	0	4	1	0	22
Kashmore	0000	255	996.0		994.6	81.6	73.1	68.7	22.3		65		0.2		8	3	0	1	8	11	0	0	0
	0300		987.7		996.2	86.4	79.4	75.7	30.7		72		0.6		5	2	0	9	11	4	0	0	0
	1200		985.1		993.2	103.9	86.2	79.8	40.8		47		0.4		8	5	1	7	5	4	0	1	0
Jacobabad	0000	183	991.5		997.8	85.2	77.7	74.2	29.0		70		0.4		0	4	4	18	3	1	0	1	0
	0300		993.0	+0.5	999.2	87.3	78.4	74.2	29.1	—4.5	65	—13	1.8	+0.4	0	1	3	22	4	0	0	0	1
	1200		989.1		995.1	102.6	80.9	70.8	26.1		37		1.3		0	0	1	18	12	0	0	0	0
JUNAGADH																							
Veraval	0300	26	(k) 1003.1		(k) 1004.1	81.5	79.5	78.2	33.0		91		(k) 5.6		2	0	0	0	(k) 1	2	9	4	2
	1200		(l) 1000.8		(l) 1001.8	83.7	80.2	78.6	34.1		85		(l) 6.0		1	0	0	0	(l) 1	5	11	1	0
AFGHANISTAN																							
Jalalabad (x)	0300	1950																					
	1200																						
ARABIA																							
Muscat	0300	20	998.8		999.5	84.5	81.0	79.7	34.5		85		1.7	—0.8	0	0	8	1	0	0	0	2	20
	1200		997.7		998.4	86.4	81.8	80.2	35.0		82		1.3		1	0	25	1	0	0	0	0	4
HILL STATIONS: KASHMIR																							
Srinagar (x)	0000	5205																					
	0300																						
	1200																						

(k) Mean of 20 days. (l) Mean of 19 days. (x) Data not available.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF AUGUST, 1958.

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 8000 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										
Gulmarg (x)	0300	8709																					
	1200																						
Gurez (x)	0300	...																					
	1200																						
Sonamarg (x)	0300	...																					
	1200																						
Dras (x)	0300	10059																					
	1200																						
Kargil (x)	0300	...																					
	1200																						
Leh (x)	0300	...																					
	1200																						
Skardu (x)	0000	7250																					
	0300																						
	1200																						
Misgar	0000	10190	*		*	46.5	40.2	33.7	6.5		61		3.1		0	0	0	0	0	0	0	0	31
	0300		696.1	...	3056.2	56.0	44.2	31.9	6.2	...	41	...	2.8	...	0	0	2	0	0	0	1	0	28
	1200		694.8		3039.6	68.4	50.7	35.5	7.1		30		3.6		0	0	17	0	0	0	8	0	6
Aliabad (x)	0300	6850																					
	1200																						
Gilgit (x)	0000	4950																					
	0300																						
	1200																						
RAWALPINDI																							
Murree	0000	7113	779.7		1429.7	60.7	58.3	56.3	15.8		87		4.6		0	4	1	4	0	0	0	16	6
	0300		781.6	0.0	1447.9	63.6	59.7	56.9	16.1	—1.8	80	—7	4.6	+0.1	0	1	3	7	0	0	7	6	7
	1200		780.4		1426.5	69.9	64.8	62.3	19.1		77		5.1		0	0	0	4	1	3	3	15	5
PESHAWAR																							
Drosh	0000	4806	946.9		1432.2	71.8	61.9	55.1	15.0		56		2.2		0	0	0	1	0	8	0	0	22
	0300		947.7	—0.9	1440.6	75.5	64.2	56.5	15.9	—2.4	51	—11	2.3	+0.5	0	0	0	0	0	1	0	0	30
	1200		943.5		1395.3	88.9	64.8	46.6	11.1		24		3.8		0	2	0	0	0	27	0	0	2
Cherat	0000	4272	*		*	72.0	66.6	63.7	20.1		74		2.4		15	0	0	2	14	0	0	0	0
	0300		*	...	*	72.8	67.7	65.3	21.1	—0.6	77	—3	2.5	—0.9	8	0	1	2	19	0	0	1	0
	1200		*		*	83.0	70.5	65.0	20.4		53		3.1		6	0	1	7	15	0	0	2	0
Kakul	0000	4214	865.0		1433.9	69.5	65.1	62.5	19.4		78		4.1		11	4	1	3	3	1	0	5	3
	0300		866.0	...	1443.7	72.9	67.2	64.1	20.5	...	74	...	3.9	...	3	2	1	4	5	2	4	8	2
	1200		863.9		1425.3	80.5	70.2	64.7	21.0		59		2.8		0	0	0	6	13	6	3	3	0
Balakot (x)	0000	3226																					
	0300																						
	1200																						
Landikotal	0000	3503	885.7		1423.2	72.9	68.1	64.9	21.4		78		1.7		10	10	0	0	0	0	0	0	11
	0300		886.3	...	1433.4	79.9	70.9	65.7	22.3	...	63	...	1.5	...	7	7	0	0	0	0	0	0	17
	1200		883.6		1413.1	87.7	73.5	65.8	22.4		50		2.6		14	14	0	0	0	0	0	0	3

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

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF AUGUST, 1958.

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										
D. I. KHAN																							
Parachinar	0000	5673	*		*	(f) 65.8	(f) 61.9	(f) 59.2	17.6		80		(f) 0.9		25	0	0	0	0	0	1	0	(c) 0
	0300		*	...	*	(c) 70.3	(c) 63.7	(c) 59.4	17.8	—0.1	71	+4	(c) 0.9	—1.6	0	0	0	0	0	0	0	0	(c) 28
	1200		*		*	79.2	67.0	60.2	18.3		54		3.3		0	0	0	31	0	0	0	0	0
Miranshah	0000	3026	900.4		1422.0	78.0	71.5	68.0	23.7		72		1.0		0	6	2	0	0	0	0	0	23
	0300		901.4	...	1435.0	81.6	73.9	70.3	25.5	+2.8	69	+8	0.9	—1.3	0	9	0	0	0	3	0	0	19
	1200		899.0		1418.8	88.7	*	*	*		*		1.7		0	26	1	0	0	1	0	1	2
Wana	0300	4503	856.4	...	1436.5	75.5	67.0	62.3	19.1	—0.7	63	—4	0.8	—0.9	0	0	0	1	4	2	0	0	24
	1200		854.1		1415.3	85.8	69.4	60.3	17.9		42		1.9		0	5	11	11	3	0	0	0	1
QUETTA																							
Fort Sandeman	0300	4614	853.7	+0.9	1444.0	78.4	68.1	62.9	19.2	—0.7	58	+2	1.0	—0.5	4	1	0	0	1	0	1	0	24
	1200		850.7		1412.0	95.4	66.9	46.8	10.9		19		3.1		2	0	7	2	8	2	2	0	8
Hindubagh	0000	5909	814.6		1432.4	67.3	51.8	37.5	7.6		33		0.2		0	0	0	0	0	0	28	0	3
	0300		815.5		1438.2	74.6	57.4	43.4	10.0		34		0.2		0	0	1	0	0	0	12	1	17
	1200		812.6		1393.1	92.5	63.7	42.7	9.5		19		0.5		0	0	0	0	1	1	28	0	1
Loralai	0000	4699	848.6		1417.0	70.4	65.3	62.3	19.3		76		1.1		1	0	0	2	2	3	11	0	12
	0300		849.4		1425.0	75.4	65.2	60.9	17.1		56		2.1		0	0	2	0	1	3	12	2	11
	1200		846.8		1398.0	90.9	*						3.9		(	0	0	16	2	13	0	0	0
Harnai	0300												1.4		1	0	1	0	0	0	29	0	9
	1200												1.9		0	0	24	0	3	0	4	0	0
Quetta (Samungli)	0000	5213	834.3		1426.6	65.2	56.1	48.8	12.1		57		0.9		0	0	9	18	0	0	1	0	3
	0300		834.9		1431.8	72.2	(a) 60.8	(a) 52.8	14.0		51		1.0		0	0	3	11	3	1	2	0	11
	1200		832.3		1396.5	92.8	(b) 63.6	(b) 41.8	9.6		19		1.4		3	0	1	1	1	4	10	11	0

(f) Mean for 25 days. (*) Data rejected. (a) Mean for 30 days. (b) Mean for 29 days. (c) Observation for 25 days.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF AUGUST, 1958.

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 DIRECTONS 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	0300	5490	826.8	—0.9	1432.6	72.8	64.3	59.7	17.3	+2.4	63	+7	0.1	−0.9	0	3	0	1	9	1	1	0	16
	1200		824.6		1399.6	90.4	68.4	54.2	15.4		32		1.5		9	2	0	1	3	5	4	6	1
Chaman	0000	4311	861.2		1426.5	75.5	67.1	61.9	19.2		63		0.0		0	26	0	0	0	0	0	1	4
	0300		862.5	+0.9	1441.2	82.3	70.9	64.4	21.2	+9.7	56	+24	0.0	−0.6	1	0	0	14	0	7	1	0	8
	1200		860.1		1419.0	96.3	80.6	72.1	29.0		50		0.0		0	0	0	1	0	14	6	7	3
KALAT NORTH																							
Kalat	0000	6616	795.3		1456.6	59.5	50.9	42.6	9.6		55		0.0		0	0	0	6	10	0	0	0	15
	0300		796.2	+0.8	1447.5	70.0	56.2	46.2	10.5	−0.4	42	−4	0.0	−1.4	1	0	0	3	21	1	0	0	5
	1200		794.2		1409.5	84.7	58.4	35.3	7.3		18		0.0		12	1	0	1	2	1	2	12	0
Nushki	0000 (a)	3416	893.6		1480.0	82.1	61.4	44.2	10.2		27		0.0		5	12	10	0	0	0	0	3	0
	0300		893.5		1479.0	82.5	2.1	46.2	10.7		28		0.0		12	13	5	0	0	0	0	1	0
	1200		891.0		1469.0	102.6	71.6	51.5	13.8		20		0.0		12	1	0	0	0	4	5	9	0
Dalbandin	0000	2785	906.9		1407.3	74.6	53.9	30.3	5.9		20		0.7		1	7	1	2	0	2	4	3	11
	0300		908.2	+0.2	1424.8	79.1	56.1	31.2	6.1	−5.9	18	−16	1.0	+0.1	1	6	0	3	0	2	2	1	16
	1200		905.3		1421.7	103.8	66.3	33.2	6.8		9		1.5		1	3	3	8	0	11	2	2	1
KALAT (SOUTH)																							
Panjgur	0000	3177	896.3		1425.7	74.8	64.8	57.7	17.0		57		0.1		19	0	0	0	0	1	3	5	3
	0300		897.4	+1.1	1436.9	75.6	64.2	55.8	16.0	−4.6	53	−9	0.0	−1.4	6	2	0	0	1	1	3	3	15
	1200		895.3		1436.5	99.4	72.5	41.5	15.8		25		0.1		8	0	0	0	1	3	1	18	0
AFGHANISTAN																							
Kabul (x)	0300	5955																					
	1200																						
Kandahar	0300	3462	891.9	...	1466.7	69.6	60.8	55.2	15.1	...	62	...	0.5	...	0	1	0	2	1	0	1	0	27
	1200		889.0		1454.6	90.9	72.1	62.3	19.3		39		0.4		0	0	0	0	2	6	6	0	17

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

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF AUGUST, 1958.

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
CHITTAGONG DIVISION																					
Cox's Bazar (P. T.)	87.2	+1.9	92	23,30	76.7	+0.6	74	3	18.71	—9.04	4.30	1	18	—3.9	3.9	+0.1	3				
Chittagong (Patanga)	87.4		91	4 days	77.0		74	1,2	18.40		3.72	5	16		x		5				
Chittagong	87.0	+1.1	94	23	77.7	+1.3	75	8,13	14.85	—5.57	1.79	5	17	—0.1	3.2	—3.2	5				
Maujdi Court	86.3	+0.6	91	22,23	78.0	—0.2	75	4 days	23.00	—1.33	3.90	7	21	—1.9	x						
Comilla	87.9	+0.4	93	5 days	78.1	+1.2	76	5,9,19	13.23	—3.95	2.01	5	21	+3.2	x						
Brahmanbaria	88.0	—1.4	91	8 days	78.5	+2.3	75	5	10.61	—2.05	3.11	5	11	—5.8	3.6		1				
Srimangal	89.2	—0.9	95	30,31	76.8	+0.7	74	22	11.45	—2.85	2.42	13	19	—1.1	2.6	—0.4	19				
Sylhet	86.6		94	30,31	77.0		75	4 days	25.45		2.76	31	25		x		12				
DACCA DIVISION																					
Mymensingh	87.8	+0.1	93	23	78.0	—0.3	74	5	19.44	+3.95	5.71	4	18	—0.7	1.9	0.0					
Narayanganj	88.5	+0.7	93	23	79.7	+0.9	76	5	14.66	+1.40	3.39	5	20	+2.4	3.8	—0.2					
Dacca (Tejgaon)	87.9		92	23	79.1		76	11	11.80		5.39	5	19		7.1		2				
Faridpur	87.7	+0.6	91	24	79.3	+0.6	75	5	8.87	—3.26	1.49	4	17	—0.1	2.7	+2.9					
Barisal	87.9	+0.9	92	13,23	79.0	+0.7	75	6	11.44	—3.50	7.03	3	17	—3.3	4.0	+1.5					
RAJSHAHI DIVISION																					
Khulna	88.5	+0.6	x	x	79.3	+0.8	x	x	7.51	—6.28	2.19	5	13	—5.4	2.8	—0.8					
Satkhira	89.4	+0.9	95	27	79.1	+0.7	74	6	10.21	—1.36	4.60	5	12	—5.2	2.6	+0.3					
Jessore	89.5	+1.4	94	13	78.5	+0.7	74	5,6	6.52	—4.52	2.47	5	10	—6.6	2.6	+0.2					
Pabna	88.9	—0.6	92	24	79.9	+3.6	74	11	17.95	+7.49	8.05	10	16	+0.2	x						
Serajganj	87.0		90	1	79.2		76	4 days	12.89	+1.56	3.58	4	14	—1.2	3.7						
Rajshahi									11.48	+1.17	3.00	11	12	—2.8							
Bogra (P.B.O.)	88.8	0	94	30	79.2	+0.6	75	4,11,12	17.36	+4.36	3.23	4	17	+0.6	2.7	+1.0	2				
Dinajpur	87.6	—1.4	94	30,31	78.5	—0.4	75	11	21.29	+7.58	4.02	4	21	+5.7	1.5	—0.8					
Rangpur	86.5		93	24	78.5		76	4,11	23.32	+9.57	3.34	4	23	+9.0	2.6						

(x) Data not available.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF AUGUST 1958.

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
KASHMIR																					
Jammu (x)																					
LAHORE																					
Lahore P.B.O.	96.5	—0.5	103	4 days	79.3	+0.6	72	28	2.46	—2.69	1.04	5	4	—1.7	2.1	+0.4	6	0	0	0	2
„ (Cantt.)	95.9	—	102	4 days	78.3	—	71	27	3.33	—	1.02	25	5	—	4.4	—	7	0	0	0	2
„ (Walton)	96.8	—	104	18	78.9	—	71	28	3.69	—	0.95	8	6	—	5.3	—	5	0	0	0	2
Sialkot	93.8	—0.4	101	19,20	77.2	—1.0	71	13,27	6.93	—2.37	1.94	8	7	—2.0	1.8	+0.2	1	0	0	0	0
RAWALPINDI																					
Jhelum	94.4	—	101	20	76.4	—	71	4 days	3.93	—	1.94	7	5	—	1.6	—	9	0	0	0	2
Chaklala	92.0	—	99	21	73.5	—	67	29	7.41	—	2.05	11	7	—	4.7	—	13	0	0	0	1
Rawalpindi	93.4	+0.3	100	21,22	73.8	—1.7	59	26	9.07	—0.10	3.00	11	8	—1.1	(x)	—	7	0	0	0	0
Khushab	101.3	+1.5	110	3	79.1	—2.0	71	27	4.31	+0.80	2.71	7	7	+3.3	4.7	+0.1	1	0	0	0	0
Sargodha (x)																					
MULTAN																					
Lyallpur	98.0	0.0	104	4 days	80.2	—0.3	69	28	2.52	—1.06	0.90	25	4	—1.3	3.1	+0.7	4	0	0	0	3
Montgomery	99.8	—0.3	106	22	80.2	—1.5	72	28,29	4.51	+1.61	2.00	28	3	—0.7	2.1	—2.2	0	0	0	0	0
Multan (P.B.O.)	102.8	—	111	22	83.1	—	75	22,28	0.12	—	0.12	22	1	—	2.9	—	5	0	0	0	2
„ (Surface)	103.0	+4.1	111	22	84.3	+1.4	77	22,28	0.28	—1.54	0.15	8	2	—0.5	0.9	—1.1	6	0	0	0	1
BAHAWALPUR																					
Leiah (x)																					
Khanpur (P.B.O.)	103.6	—	112	22	82.1	—	77	30	0.00	—	0.00	—	0	—	5.7	—	1	0	0	1	1
„ (Surface)	105.2	+2.9	114	22	82.9	+1.6	79	30	0.00	—1.93	0.00	—	0	—2.4	5.1	—1.3	0	0	0	0	1
Bahawalpur (R)																					
Fort Abbas	105.5	—	111	22	83.9	—	77	28	0.00	—	0.00	—	0	—	*	—	0	0	0	0	0
PESHAWAR																					
Chakdara	93.1	—	103	3	71.3	—	62	30,31	6.64	—	4.81	7	3	—	(x)	—	0	0	0	0	0
Peshawar	96.9	—1.3	106	4	77.7	—1.2	69	28	0.18	—1.85	0.11	7	1	—1.5	2.9	+1.2	8	0	0	0	4
Risalpur	98.6	—	107	3,21	78.0	—	68	28	2.80	—	1.92	15	4	—	3.8 (d)	—	12	0	0	0	5
Haripur	94.8	—	101	21	73.8	—	66	28	5.14	—	2.02	11	6	—	1.9	—	0	0	0	0	0
Campbellpur	*								1.55	—	0.49	22	5	—	3.7	—	0	0	0	0	0
D. I. KHAN																					
Kohat	97.4	—	105	3,21	78.6	—	69	28	2.33	—	0.60	12	6	—	4.3	—	14	0	0	0	1
Bannu	97.1	—2.9	105	4	78.5	—1.8	67	15,28	3.20	+1.31	1.51	28	3	—0.1	2.6	—	2	0	0	0	4
D. I. Khan	101.0	+0.5	108	1,22	80.5	—0.7	73	16	1.19	—0.71	0.72	15	3	+0.7	0.8	—0.7	0	0	0	0	0

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

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF AUGUST, 1958.

DIVISION AND STATION	Maximum Temperature of the Air °F				Minimum Temperature of the Air °F				Precipitation (inches)						Wind Velocity (knots)		Weather Number of Days				
	Mean.	Departure from normal.	Highest.	Date.	Mean.	Departure from normal.	Lowest.	Date.	Total of the month.	Departure from normal.	Heaviest fall in 24 hours.	Date.	Days with 0.10 inch or more.	Departure from normal.	Mean.	Departure from normal.	Thunder heard.	Hail.	Fog.	Haze (dust).	Dust Storm.
																	Visibility Code Figures 93 or less				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
QUETTA																					
Sibi	109.3	+4.4	118	20	89.2	+3.9	84	29	0.00	—0.58	0.00		0	—1.1	3.2	—1.8	0	0	0	0	0
KALAT (NORTH)																					
Nokkundi	107.1	+0.2	114	4	78.9	—2.2	66	28	0.00	0.00	0.00		0	0.0	x		0	0	0	0	0
KALAT (SOUTH)																					
Turbat	*				*																
Jiwani	87.9 (b)		90	28	78.5 (b)		77	7 days	0.00		Tr.	4days	0		7.3 (b)		0	0	0	0	0
Pasni	90.5	+2.3			77.0	+0.7			0.00	—0.17	0.00		0	—0.3	9.9	+4.2	0	0	0	0	0
Ormara	88.4	+1.4	92	9	79.2	+0.7	77	31	0.00	—0.11	0.00		0	—0.3	10.2	+1.6	0	0	0	0	0
Lasbela	103.6	+4.4	110	18	78.9	+1.2	76	4days	0.00	—1.06	0.00		0	—2.0	3.0	+0.1	0	0	0	0	0
FEDERAL CAPITAL AREA																					
Karachi (Manora)	89.9	+4.1	92	19,20,26	78.7	+0.2	76	22	0.08	—1.48	0.08	26	0	—1.6	x		0	0	0	0	0
Karachi (Mauripur)	88.8		93	20	80.0		78	7,17,27	0.03		0.02	26	0		x		0	0	0	0	0
Karachi (City)	88.4		91	19,20	78.9		77	17	0.02		0.02	27	0		7.5		0	0	0	0	0
Karachi (P.A.F.)	90.2		94	19,20	79.9		78	28	0.00		Tr.	6 days	0		14.7		0	0	0	0	0
Karachi (Airport)	90.0		95	19	79.5		78	5days	0.01		0.01	28	0		9.9		0	0	0	0	0
HYDERABAD																					
Badin	96.2	+4.0	104	19	(e) 80.0	+0.7	77	14,15	0.00	—2.32	0.00		0	—2.3	5.9		0	0	0	0	0
Nagarparkar	98.1		105	31	81.0		77	6	0.00		0.00		0		6.2		0	0	0	0	0
Umarkot	99.6		105	30	79.7		75	18	0.65		0.53	18	2		8.6		2	0	0	0	0
Chhor	97.5		105	20	78.9		71	31	0.63		0.60	31	1		7.7		2	0	0	0	0
Hyderabad	98.8	+3.0	111	20	80.5	—1.3	79	17	0.00	—2.03	0.00		0	—2.2	+10.8	—1.8	0	0	0	0	0
KHAIRPUR																					
Padidan	105.3		113	21	80.5		78	16,17	0.24		0.24	9	1		7.9		0	0	0	0	0
Nawabshah	103.5		111	20	80.7		78	17	0.00		0.00		0		9.0		0	0	0	0	0
Sukkur	104.0	+2.8	111	22	82.3	+1.5	79	1,2,16	0.00	—1.12	0.00		0	—1.0	1.7	—2.7	0	0	0	0	0
Kashmore	*				*				0.00		0.00		0		4.8		0	0	0	0	0
Jacobabad	104.1	+0.4	111	20,21,22	83.8	+1.6	80	10	0.00	—0.88	0.00		0	—1.3	7.7	+1.9	0	0	0	0	0
JUNAGADH																					
Veraval	(m) 86.2				(e) 79.0				*				*		*		0	0	0	0	0
AFGHANISTAN																					
Jalalabad (x)																					
ARABIA																					
Muscat	89.8	—0.9	97	1	82.4	—1.1	77	2,7	0.00	—0.02	0.00		0	—0.1	2.7	—0.3	0	0	0	0	0
HILL STATIONS KASHMIR																					
Srinagar (x)																					
Gulmarg (x)																					
Gurez (x)																					
Sonamarg (x)																					
Dras (x)																					
Kargil (x)																					
Leh (x)																					
Skardu (x)																					

(m) Mean for 18 days. (b) Mean for 29 days (e) Mean for 19 days (a) Mean for 30 days (x) Data not available. (*) Data rejected.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF AUGUST, 1958.

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
KASHMIR—(*continued*)																					
Misgar	72.5	—	88	5	*	—	—	—	—	0.18	—	0.05	30	0	4.4	—	—	0	0	0	0
Aliabad (x)																					
Gilgit (x)																					
RAWALPINDI																					
Murree	72.9	—0.3	76	11.19	58.6	+1.2	54	26,27	20.44	+6.63	8.31	6	13	—1.3	4.5	+1.3	12	0	12	0	0
PESHAWAR																					
Drosh	95.8	+0.6	106	2	69.9	—2.7	61	28,30	4.26	+3.61	2.07	11	5	+3.1	4.3	+0.1	12	0	0	0	0
Cherat	85.6	+0.2	95	21	69.2	—0.7	63	15.28	2.55	—2.39	1.66	15	4	—2.4	5.9 (a)	+1.4	0	0	6	0	0
Kakul	83.8	—	89	19	67.5	—	60	15	10.51	—	4.63	6	10	—	*	—	11	1	0	0	2
Balakot (x)																					
Landikotal	90.8	—	100	3	71.7	—	61	28	0.00	—	0.00	—	0	—	2.4	—	0	0	0	0	0
D. I. KHAN																					
Parachinar	86.0 (c)	—1.3	96	3	*	—	—	—	6.95	+3.25	2.00	6,28	6	—1.6	X	—	0	0	0	0	0
Miransahah	92.4	—1.1	100	3,4	75.4	—1.3	63	16	4.68	+3.47	1.50	16	5	+2.4	4.1	—1.3	0	0	0	0	0
Wana	90.8	—0.6	95	7 days	68.9	—1.2	54	16	1.69	+0.75	1.24	16	2	—1.2	3.0	—	2	0	0	0	0
QUETTA																					
Fortsandeman	99.0	+2.1	105	1	73.5	+0.2	62	29	0.30	—1.60	0.20	14	2	—1.8	3.7	+1.7	0	0	0	0	0
Hindubagh	94.7		102	3,4	66.0		58	29,30	0.00		0.00		0		6.1		0	0	0	0	0
Loralai	93.4		98	1,21	65.2		56	29	0.30	—0.92	0.30	29	1	—0.9	3.4		0	0	0	0	0
Harnai									1.41	—1.25	0.56	29	4	—0.3	*		0	0	0	0	0
Quetta (Samungli)	95.3		101	2,3,4	61.7		48	28	0.00		Tr	23	0		4.8		0	0	0	0	0
Quetta	93.3		99	1,2,3	62.3		52	28	0.00		0.00		0		3.6	+1.6	0	0	0	0	0
Chaman	98.7	+0.4	106	3	70.7	—2.6	61	29	2.00	—0.04	0.00		0	—0.1	*		0	0	0	0	0
KALAT (NORTH)																					
Kalat	89.9	+0.1	97	2.3	58.3	+0.1	50	30	0.00	—0.33	0.00		0	—0.9	4.7	+0.8	0	0	0	0	0
Nushki	105.1		116	5	78.7		72	30	0.00		0.00		0		*		0	0	0	0	0
Dalbandin	105.9	—0.2	112	4,5,21	71.3	—0.3	62	31	0.00	—0.13	0.00		0	—0.2	3.4	—0.9	0	0	0	0	0
KALAT (SOUTH)																					
Panjgur	102.6	+1.7	107	4	68.1	—5.1	61	30,31	0.00	—0.34	0.00		0	—0.7	3.5	—0.5	0	0	0	0	0
AFGHANISTAN																					
Kabul (x)																					
Kandahar	96.6	—	101	2,3,4	63.3	—	55	29	—	—	—	—	0	—	0.8	—	0	0	0	0	0

(a) Mean for 30 days. (c) Mean for 28 days (*) Data rejected (x) Data not available.

REGD. No. S - 1452

PAKISTAN WEATHER REVIEW, 1958

MONTHLY WEATHER REPORT

September

(PUBLISHED BY THE AUTHORITY OF GOVERNMENT OF PAKISTAN)

Chief Features:

Heavy rainfall in Lahore Division during the first week due to the passage of a depression from the Bay of Bengal.

West Pakistan

A depression which formed in the Bay of Bengal towards the end of the previous month moved west-north westwards upto Bhopal in Central India and then gradually changed its course north-wards. It finally weakened into a low and moved into the East Punjab hills (Inida) by the 5th. A western disturbance also moved across Kashmir during the same period. Under the combined influence of these, widespread rain with locally heavy falls occurred in Lahore division, while it fell locally in Multan division and at a few places in Peshawar, Rawalpindi, Bahawalpur and Khairpur divisions between the 2nd and the 4th. According to newspaper reports the heavy rain caused much loss of life and damage to property in Lahore and Bahawalpur divisions.

Two westerly low pressure waves moved in close succession across Peshawar division and Kashmir during the 2nd week and a low appeared over Hyderabad division on the 10th and filled up the next day. They caused fairly widespread rain or thundershower in Peshawar, Rawalpindi and Lahore divisions and scattered thundershowers in D. I. Khan, Multan and Hyderabad divisions and the Federal Capital Area between the 8th and the 11th.

Thereafter, a depression from the Bay of Bengal moved in a westerly direction and lay at 0300 GMT of the 13th about 30 miles to the south-east of Umerkot. It moved further westwards, weakened into a low over Hyderabad division and filled up there by the 16th. Simultaneously a low pressure wave moved across Peshawar division and Kashmir. Under their influence rain thundershowers occurred over the whole of West Pakistan outside Kalat division with pronounced rainfall activity over the northern parts between the 13th and the 16th.

In association with the passage of two westerly low pressure waves from Afghanistan to Kashmir, during the earlier part of the 4th week thunderstorms or showers occurred locally or at a few places in Peshawar division between the 21st and the 24th. During the rest of the month two westerly low pressure waves moved across Peshawar division and Kashmir and a low appeared over Hyderabad division, became well-marked, and moved away slowly northeastwards across the Bharati Punjab hills. Under their influence pronounced wet weather occurred in Lahore, Rawalpindi and Multan divisions and scattered in Peshawar, D. I. Khan and Hyderabad divisions, between the 26th and the 30th. The rains caused some damage to crops in Lahore division as reported by newspapers.

Outstanding amounts of rainfall were: Lahore 6″ on the 3rd, 8″ on the 4th; Sialkot 3″ on the 4th, Jharbari 3″ on the 13th, Haripur 11″, Jharbari 4″ and Durgai 3″ on the 14th, Harnai and Leiah 3″ each on the 15th, Depalpur 4″ on the 26th and Multan , Kasur and Jhang 3″ each on the 27th.

The total rainfall during the month was in large defect in Khairpur and Multan divisions, in moderate defect in Bahawalpur division and in slight defect in Rawalpindi division. It was in slight excess in Peshawar division, in moderate excess in Federal Capital Area, D. I. Khan and Kalat divisions and in large excess elsewhere. Averaged over the region it was in large excess.

The mean maximum temperature was above normal in Peshawar and Kalat divisions, normal in D. I. Khan, Quetta, Hyderabad, and Khairpur Divisions and below normal elsewhere.

The mean minimum temperature was normal in Lahore, Multan and Kalat divisions and the Federal Capital Area and above normal elsewhere.

The mean relative humidity was in defect in Kalat division, normal in the Federal Capital Area, Hyderabad and Khairpur divisions and in excess over rest of the region.

The mean cloud amount was in defect in D. I. Khan and Kalat divisions and the Federal Capital Area and in excess elsewhere.

East Pakistan

The monsoon was weak and only scattered or local rain fell over East Pakistan during the first five days of the month. However, the floods which occurred due to heavy rains towards the end of the previous month, continued unabated for some time causing considerable damage to property according to newspaper reports.

Thereafter the monsoon activity increased under the influence of two depressions which formed in the north Bay of Bengal. The first formed on the 7th night and lay with its centre at 0300 GMT on the 8th within one degree of latitude 20°N and longitude 89°E. It moved away in a westerly direction during the first four days. The second depression formed on the 13th morning and was centred at 0300 GMT within one degree of latitude 20-1/2 N and longitude 89-1/2 E. It moved initially northwestwards and then recurved and moved to northeast into Assam hills where it weakened into a low.

Under their influence, fairly widespread rain fell over East Pakistan between the 6th and the 19th with a few heavy falls on some of the days.

A well marked low pressure area developed in east central and adjoining north Bay of Bengal on the 23rd and moved away in a westerly direction causing the monsoon to weaken during the rest of the month when scattered to local rainfall occurred over the region.

Principal rainfall amounts were:—Bogra 4″ and Sirajgan 3″ on the 5th, Narayanganj 3″ on the 8th, Rangpur 3″ on the 13th and 4″ on the 16th, Rangpur 4″ and Sylhet 3″ on the 17th, Sylhet 6″ and Cox's Bazar 3-1/2″ on the 18th, Mymensingh 3″ on the 19th and Srimangal 3″ on the 29th.

The total rainfall during the month was normal in Chittagong division and in slight defect elsewhere. Averaged over the region it was in slight defect.

The mean maximum and the mean minimum temperatures, the mean relative humidity and the mean cloud amount were all normal everywhere.

Table I contains the divisional means of rainfall, temperature, relatives humidity and the cloud amount for the 15 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 SEPTEMBER, 1958.

Division	PRECEIPTATION				DEPARTURE FROM NORMAL OF				
	Actual	Normal	Departure from normal	Percentage departure from normal	Maximum temperature	Minimum temperature	0300 hrs. G. M. T. Vapour pressure	0300 hrs. G. M. T. Relative humidity	Cloud
1	2	3	4	5	6	7	8	9	10
	"	"	"		o	o	Mb.	%	
EAST PAKISTAN									
Chittagong	13.60	12.79	+0.81	+6	+1.2	+0.7	+0.5	0	+0.4
Dacca	8.43	10.80	—2.37	—22	+1.5	+0.6	+0.7	0	+1.0
Rajshahi	7.92	10.16	—2.24	—22	+0.5	+1.3	+0.8	+1	+0.2
Mean	9.83	11.16	—1.33	—12	+1.0	+0.9	+0.7	0	+0.5
WEST PAKISTAN									
Kashmir x									
Lahore	15.02	2.81	+12.21	+435	—6.0	+1.9	+3.6	+13	+2.7
Rawalpindi	2.99	3.56	—0.57	—16	—3.0	+2.0	+3.5	+13	+1.1
Multan	2.26	1.10	—1.16	—105	—4.2	+1.0	+2.6	+11	+1.1
Bahawalpur	0.11	0.16	—0.05	—31	—2.7	+2.7	+3.7	+12	+0.9
Peshawar	1.44	1.19	+0.25	+21	+2.0	+2.6	+2.8	+6	+0.4
D. I. Khan	1.31	0.92	+0.39	+42	—1.3	+2.1	+3.8	+11	—0.2
Quetta	1.47	0.32	+1.15	+359	+1.5	+2.1	+4.0	+8	+0.1
Kalat	0.14	0.10	+0.04	+40	+2.2	+1.8	—1.8	—11	—0.7
Federal Capital Area	0.69	0.52	+0.17	+33	+2.6	—0.5	+0.8	+3	—1.1
Hyderabad	2.49	0.76	+1.73	+228	+1.1	+2.1	+3.0	+5	—0.1
Khairpur	0.00	0.09	—0.09	—100	—1.0	+2.1	+0.1	—3	+1.3
Mean	1.41	0.63	+0.78	+124	+0.2	+2.0	+1.5	+2	+0.1
Junagad (x)									

(x) Data not available.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF SEPTEMBER, 1958.

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. (correction of 8.6 mbs. pressure level in Gyan	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										
EAST PAKISTAN																							
Chittagong Division																							
Cox's Bazar (P.T.)	0300	38	1006.1	—0.1	1007.4	83.5	79.7	78.2	32.0	+0.3	83	—1	4.1	—1.1	0	1	4	11	9	3	0	0	2
	1200		1003.2		1004.5	81.3	78.3	77.1	31.4		87		5.1		0	0	2	8	12	4	1	0	3
Chittagong (Patenga)	0000	20	1004.6		1005.3	78.5	77.3	76.8	32.3		94		6.6		0	3	1	12	3	1	0	0	10
	0300		1006.1		1006.8	83.4	79.5	77.7	32.0		83		6.1		0	4	7	12	3	1	0	0	3
	1200		1003.2		1003.9	83.5	79.5	77.7	32.0		83		6.4		0	2	0	5	11	7	3	0	2
Chittagong	0000																						
	0300	46	1005.4	—0.7	1006.9	83.0	79.6	78.1	32.8	+1.5	85	+1	6.3	+0.8	0	5	3	9	6	1	0	0	6
	1200		1002.2		1003.8	83.3	79.4	78.1	32.0		83		6.6		0	0	1	4	9	8	4	1	3
Maijdee Court	0000	25	1004.2		1005.1	79.9	78.1	77.7	31.9		91		6.1		2	0	0	1	2	0	0	0	25
	0300		1005.8	—0.6	1006.7	83.6	79.4	78.0	32.6	0.0	83	—3	5.8	+1.1	4	0	0	1	3	0	0	0	22
	1200		1002.2		1003.1	84.4	79.5	77.3	31.6		79		5.3		0	0	0	6	3	0	0	1	20
Comilla	0000	29	1004.1		1005.1	78.4	77.5	77.2	31.3		95		5.8		0	0	0	0	0	0	0	0	30
	0300		1005.6	—0.6	1006.6	84.4	80.2	78.2	33.2	0.0	83	+3	5.4	+0.5	0	0	0	0	1	0	0	0	29
	1200		1001.9		1002.9	85.3	80.5	78.8	32.7		79		5.5		0	0	0	0	1	0	0	0	29
Brahmanbaria	0000	32	1004.3		1005.4	80.2	78.1	77.2	31.9		91		6.7		0	0	0	8	2	3	0	0	17
	0300		1005.5		1006.6	84.1	79.5	77.5	32.4	+1.3	81	+2	5.1		0	2	0	11	7	0	0	0	10
	1200		1002.0		1003.1	85.2	80.2	78.0	32.7		79		5.3		0	2	0	2	7	2	1	0	16
Srimongal	0000	69	1003.2		1005.6	77.6	76.4	76.0	31.3		95		5.6		0	0	0	1	2	2	0	0	25
	0300		1004.6	—0.9	1006.9	83.5	78.8	77.1	31.3	—0.2	81	—4	5.5	+0.6	0	0	0	3	5	4	0	0	18
	1200		1000.7		1003.1	83.0	80.0	78.9	33.6		87		5.4		0	0	0	0	2	3	0	0	25
Sylhet	0000	115	1001.1		1005.1	77.5	76.6	76.1	30.2		95		6.1		0	2	6	5	2	0	0	0	15
	0300		1002.6		1006.5	82.4	79.0	77.5	31.7		85		6.3		0	1	13	1	3	0	2	0	10
	1200		998.8		1002.7	83.9	80.2	78.9	34.0		85		5.2		0	0	1	0	3	0	8	0	18
Dacca Division																							
Mymensingh	0000	62	1003.0		1005.2	80.0	78.3	77.7	32.7		96		5.6		0	0	9	0	1	1	2	0	17
	0300		1004.8	—0.4	1007.0	83.6	79.8	78.4	33.3	+0.8	83	—2	6.2	+0.2	0	0	18	1	0	0	4	0	7
	1200		1000.9		1003.0	86.5	80.6	78.3	33.7		76		5.3		0	0	8	2	0	0	5	0	15
Narayanganj	0000	26	1003.7		1004.6	81.2	78.8	77.7	32.2		89		7.5		0	0	9	5	1	6	0	0	9
	0300		1005.7	—0.3	1006.6	83.9	79.8	77.8	33.2	+0.7	83	+1	7.6	+1.5	1	0	9	5	6	4	3	0	2
	1200		1002.1		1002.9	85.6	80.2	77.7	33.1		78		7.2		0	0	2	6	7	4	3	1	7
Dacca (Tejgaon)	0000	27	1003.4		1004.3	80.0	78.7	78.2	32.6		93		6.6		0	0	6	7	2	5	0	0	10
	0300		1004.3		1005.3	84.1	79.9	78.1	33.2		83		6.8		0	1	5	13	2	3	3	1	2
	1200		1001.6		1002.5	84.6	80.0	78.1	33.5		81		6.3		0	0	2	5	7	7	3	1	5

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF SEPTEMBER, 1958.

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										
Dacca Division																							
Faridpur	0000	46	1003.0		1004.6	80.7	79.0	78.5	33.7		93		6.7		1	0	1	8	9	3	0	0	8
	0300		1004.0	—0.8	1005.6	83.7	80.4	78.4	34.0	+0.7	85	+4	6.7	+1.7	0	0	3	6	13	1	1	0	6
	1200		1001.5		1003.1	85.4	81.1	78.7	33.5		81		5.9		0	0	2	5	12	3	0	0	8
Barisal	0000	11	1004.3		1004.7	80.1	79.2	78.7	33.1		93		5.0		0	0	3	3	1	1	0	0	23
	0300		1005.9	—0.4	1006.3	84.8	80.5	79.0	33.5	+0.6	81	—2	5.9	+0.6	0	0	7	2	5	0	3	0	13
	1200		1002.7		1003.1	85.5	80.3	78.2	33.3		79		5.4		0	0	4	4	4	0	3	0	15
Rajshahi Division																							
Khulna	0000	16	1003.7		1004.3	80.0	78.9	78.6	33.5		96		5.3		0	0	3	1	3	0	0	0	23
	0300		1005.4	—0.7	1005.9	84.2	80.1	78.5	33.3	+0.7	83	+2	6.3	+0.6	0	2	4	5	4	1	0	0	14
	1200		1002.1		1002.7	84.3	79.7	78.2	32.6		81		6.1		0	1	2	5	6	0	0	0	16
Satkhira	0000	16	1003.8		1004.8	79.7	78.8	78.4	33.4		96		3.1		0	2	3	2	3	1	0	0	19
	0300		1005.3	—0.5	1005.8	84.8	80.7	78.8	34.3	+0.6	83	0	5.0	0.0	3	2	6	5	3	4	0	0	7
	1200		1002.3		1002.8	83.7	80.4	79.0	34.0		85		5.3		0	0	3	1	9	0	0	0	17
Jessore	0000	26	1002.9		1003.8	78.8	77.8	77.7	32.3		95		5.8		0	6	6	0	8	1	0	0	9
	0300		1004.7	—0.9	1005.6	82.7	80.2	79.2	34.4	+1.1	89	+5	6.1	+1.0	0	3	8	9	7	3	0	0	0
	1200		1002.1		1002.9	84.3	80.8	79.3	34.0		85		5.7		2	0	3	1	22	0	0	0	2
Pabna	0000	48	1002.5		1004.1	80.1	78.6	78.3	32.6		93		5.2		0	0	7	8	0	2	0	0	13
	0300		1003.9		1005.5	84.5	80.1	78.2	32.9	—0.4	81	0	4.9		0	5	3	13	2	5	0	2	0
	1200		1000.1		1001.7	85.3	80.3	78.2	32.7		79		5.2		0	1	4	16	0	7	0	2	0
Serajganj	0000	49	1001.2		1002.9	80.9	79.1	78.5	32.9		91		7.2		0	0	4	1	4	2	0	0	19
	0300		1003.6		1005.3	84.3	80.2	78.5	33.2		83		6.0		0	0	3	3	7	2	0	0	15
	1200		999.9		1001.7	84.4	79.7	78.4	32.4		81		5.3		0	0	3	2	6	0	0	0	19
Rajshahi	0000																						
	0300												6.4										
	1200																						
Bogra P.B.O.	0000	65	1001.9		1004.1	80.6	79.2	78.8	33.7		94		5.0		0	0	2	3	2	3	1	0	19
	0300		1003.6	—0.9	1005.8	85.2	80.9	79.2	33.5	+0.6	82	—2	5.8	+0.8	0	0	10	7	1	6	0	3	3
	1200		1000.1		1002.3	85.7	83.5	78.8	38.9		91		5.6		0	1	3	4	6	4	0	0	12
Dinajpur	0000	123	999.8		1004.0	80.1	78.5	77.7	33.7		93		3.9		0	0	1	0	0	0	0	0	29
	0300		1001.4	—0.8	1005.6	84.6	80.5	78.8	34.3	+2.0	83	—2	3.9	—1.2	0	0	0	0	0	0	0	0	30
	1200		997.6		1001.8	86.3	81.1	79.0	33.9		80		3.2		0	0	0	0	0	0	0	0	30
Rangpur	0000					80.2	79.0	78.8	33.4		96		5.5		0	2	3	10	4	1	0	0	10
	0300					84.4	80.6	79.0	33.2		83		5.1		0	4	2	12	8	2	0	1	1
	1200					85.1	80.7	79.3	33.5		81		4.5		0	0	4	14	7	2	0	1	2

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF SEPTEMBER, 1958.

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										
KASHMIR																							
Jammu (x)	0300	1200																					
	1200																						
LAHORE																							
Lahore Jail Road	0000	702	979.2		1003.3	76.9	75.1	74.1	29.0		92		3.8		0	6	2	0	0	0	0	0	22
	0300		980.4	—0.5	1004.4	79.6	75.6	73.6	28.4	—3.2	83	+17	4.1	+2.7	1	7	1	4	1	0	1	0	15
	1200		978.3		1001.9	86.3	77.8	73.9	28.6		67		4.3		0	6	3	4	0	0	2	2	13
,, (Cantt.)	0000	703	978.4		1002.5	77.5	76.0	75.3	30.0		93		3.7		4	5	4	1	2	3	0	1	10
	0300		979.9	—	1004.1	79.4	76.2	76.9	29.4		86		4.1		3	8	3	4	3	4	2	1	2
	1200		977.7		1001.6	86.1	78.6	75.3	30.0		70		4.4		1	5	5	6	2	4	4	2	1
,, (Walton)	0000	699																					
	0300		950.3	—	1004.2	79.8	76.0	74.7	28.9	—	84	—	4.3	—	2	6	3	9	2	1	2	0	5
	1200		977.7		1001.2	86.6	78.1	74.2	29.0		67		3.8		3	4	2	12	1	3	1	3	1
Sialkot	0000	830	974.8		1003.1	76.1	74.0	73.1	27.8		91		3.8		0	4	0	0	0	0	0	1	25
	0300		975.9	—0.9	1004.1	79.5	75.6	73.2	29.5	+4.0	83	+8	4.2	+2.6	0	7	0	2	0	0	0	1	20
	1200		973.6		1001.3	86.2	78.4	75.2	29.6		69		3.3		1	10	0	3	0	1	0	0	15
RAWALPINDI																							
Jhelum	0000	765	977.2		1003.5	76.1	73.9	72.7	27.7		90		3.7		1	2	0	1	1	1	0	1	23
	0300		978.5	—	1004.6	80.2	75.3	72.9	27.7	—	78	—	3.2	—	2	4	2	4	1	3	0	3	11
	1200		975.7		1001.3	88.1	77.7	73.2	27.7		60		2.6		0	0	2	5	5	3	1	1	9
Chaklala	0000	1667	947.7		1004.2	73.7	71.0	69.6	24.8		90		2.3		5	5	2	0	0	1	0	0	17
	0300		948.9	—	1005.0	78.0	72.5	69.2	25.0	—	76	—	3.1	—	2	5	3	6	1	0	1	0	12
	1200		946.4		1001.2	88.3	74.1	67.3	23.2		50		2.7		0	1	2	9	5	1	8	1	3
Rawalpindi	0000	1676	*		*	73.9	71.1	69.6	24.8		87		1.8		0	4	0	0	0	0	0	0	26
	0300		*	—	*	78.7	72.8	69.6	25.1	+3.3	75	+17	2.9	+1.3	0	0	0	2	1	0	1	0	26
	1200		*		*	84.3	73.0	67.7	23.1		57		2.4		0	0	2	2	3	1	1	1	20
Khushab	0000	616	982.0		1003.0	79.6	76.8	73.2	30.2		86		1.3		0	2	10	0	0	0	0	0	18
	0300		983.5	—0.5	1004.5	82.8	76.7	73.7	29.4	+5.6	75	+11	1.5	+0.4	0	2	7	0	0	0	0	0	21
	1200		980.5		1001.0	92.3	77.0	69.3	24.7		47		1.5		0	4	12	3	1	0	0	0	10
Sargodha (x)	0300	614																					
	1200																						
MULTAN																							
Lyallpur	0000	605	982.5		1003.3	77.1	75.1	73.9	28.8		91		2.0		0	3	0	4	0	3	0	4	16
	0300		983.7	0.0	1004.4	79.6	75.5	73.4	28.3	+4.7	83	+19	2.4	+0.9	0	5	2	3	1	2	2	2	13
	1200		981.3		1001.6	89.2	77.9	72.5	27.4		57		4.0		1	6	3	7	3	2	0	0	8
Montgomery	0000	558	983.2		1002.4	77.2	73.5	71.7	26.5		83		1.5		0	0	0	6	0	2	0	6	16
	0300		984.4	—1.0	1003.5	80.5	76.0	73.9	28.6	+2.7	80	+11	2.1	+1.2	0	0	0	4	0	1	0	5	20
	1200		982.5		1001.2	89.3	78.6	73.4	28.2		59		2.2		0	4	0	4	0	3	0	2	17
Multan (P.B.O.)	0000	404	988.2		1002.2	79.4	75.8	74.1	28.8		86		1.1		2	1	1	0	7	2	0	1	16
	0300		989.8	—	1003.7	83.2	77.2	74.5	29.2		75		1.7		3	3	0	0	7	2	0	1	14
	1200		987.1		1000.6	93.2	80.2	74.4	29.3		55		2.7		6	4	4	1	5	3	1	0	6
Multan	0300	413	989.4	—0.5	1003.5	83.3	76.3	73.1	27.8	+0.3	71	+2	1.9	+1.3	2	2	0	3	1	7	0	1	14
	1200		986.9		1000.7	93.8	78.0	70.9	25.6		47		2.4		1	5	3	1	1	1	0	1	17

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

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF SEPTEMBER, 1958.

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 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										
BAHAWALPUR																							
Lalah (x)	0000	490																					
	0300																						
	1200																						
Khanpur (Surface)	0300	297	994.1	+0.2	1004.3	83.2	76.8	73.8	28.6	+4.4	73	+8	1.3	+0.9	5	6	2	0	3	7	2	0	5
	1200		990.4		1000.1	97.9	80.0	71.6	26.9		43		0.9		3	5	4	0	1	2	1	0	14
,, P.B.O.)	0000	290	992.3		1002.3	73.7	75.1	73.6	28.1		84		1.0		0	9	0	1	1	9	0	0	10
	0300		993 5	—	1003.5	82.7	76.7	74.0	28.7	—	75	—	1.5	—	1	8	1	1	1	11	0	0	7
	1200		989.8		999.4	96.7	78.9	70.5	25.7		43		1.5		5	9	1	0	2	3	4	1	5
Bahawalpur	0300	384	990.6	—0.1	1003.6	81.7	77.5	76.8	30.3	+3.1	83	+16	*	—	3	2	1	0	4	5	0	0	15
	1200		987.7		1000.5	94.8	84.3	80.5	34.5		63		*		1	3	2	4	4	6	0	1	9
Fort Abbas	0000	475	985.5		1001.8	79.1	74.4	72.0	26.9		79		1.9		0	17	0	0	0	13	0	0	0
	0300		987.6	—	1003.8	83.2	76.2	73.5	27.7	—	71	—	2.8	—	0	16	0	0	0	14	0	0	0
	1200		984.7		1000.5	89.8	78.2	73.7	27.7		58		2.3		0	18	0	1	1	8	0	2	0
PESHAWAR																							
Chakdara	0000	2197	928.0		1001.6	73.2	67.7	64.8	21.0		75		3.0		0	0	1	0	0	0	3	0	26
	0300		929.3	—	1002.9	74.4	68.8	65.6	21.9	—	75	—	2.5	—	1	0	0	6	0	0	1	0	22
	1200		926.4		997.8	88.7	75.0	68.6	24.2		52		2.4		2	0	0	0	0	0	3	0	25
Peshawar	0000	1177	963.2		1003.2	76.7	71.3	68.3	23.7		75		1.3		4	3	1	1	1	1	0	7	12
	0300		964.8	—0.8	1004.6	79.5	72.7	69.3	24·4	+4.3	71	+11	1.7	+0.2	10	3	0	0	0	0	2	4	11
	1200		961.3		1000.0	92.3	76.1	68.0	23.4		45		2.1		1	19	6	3	0	0	0	1	0
Risalpur	0000	1009	968.9		1002.9	78.5	72.0	69.6	23.5		72		1.7		0	7	6	1	0	0	2	1	13
	0300		970.4	—	1004.5	81.6	73.3	62.2	24.5	—	66	—	2.1	—	1	3	4	1	1	1	6	3	10
	1200		966.7		1000.0	94.1	75.1	64.7	21.1		38		2.0		0	8	5	7	0	1	1	0	8
Haripur	0300	1757	945.5	—	1004.4	79.2	71.7	68.4	23.2	—	68	—	2.1		1	3	0	5	2	5	14	0	0
	1200		943.8		1001.4	91.5	78.2	74.2	27.1		54		1.5		1	2	0	2	2	14	3	6	0
Campbellpur	0300	1175	964.9	—	1004.5	80.8	75.8	73.8	28.4	—	79	—	2.0	—	1	6	0	12	0	0	0	0	11
	1200		961.4		1000.0	94.1	80.6	75.9	30.1		55		1.6		0	5	0	18	1	1	0	1	4
D. I. KHAN																							
Kohat	0000	1667	947.9		1003.9	78.1	72.2	69.1	24.6		74		1.8		1	1	0	3	0	2	3	14	6
	0300		949.4	—	1005.2	80.8	73.1	69.6	24.6	—	68	—	1.6	—	2	1	3	1	1	0	2	12	8
	1200		946.3		1000.7	92.7	76.5	69.1	24.5		47		2.3		0	1	3	10	4	3	1	3	5
Bannu	0000	1263	959.3		1001.8	77.5	72.8	70.4	25.5		79		0.3		3	4	1	0	1	1	1	3	16
	0300		960.2	—	1002.9	79.3	73.9	71.0	26.1	+4.6	78	+18	1.1	+0.2	3	0	3	4	1	0	3	0	16
	1200		958.1		1000.2	92.2	77.2	69.9	25.1		48		0.9		1	2	8	11	0	2	1	1	4
D. I. Khan	0000	570	*		*	81.2	73.4	69.1	24.6		67		0.2		0	0	0	0	0	0	0	0	30
	0300		(c) 984.3	—0.4	1003.7	83.2	76.0	72.1	27.4	+2.1	70	+1	1.1	+0.3	1	1	1	1	0	0	0	0	26
	1200		981.9		1000.8	96.3	78.4	69.4	25.1		42		0.6		0	2	1	0	0	0	0	0	27

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

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF SEPTEMBER, 1958.

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
QUETTA	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas										
Sibi	0000	441	987.5		1002.6	84.5	74.5	69.2	24.6		61		0.8		1	2	1	1	0	0	0	0	25
	0300		988.8	−0.3	1003.9	85.2	75.1	70.1	25.2	+4.7	61	+11	0.8	+0.3	0	1	0	2	2	0	0	0	25
	1200		984.8		999.2	103.5	78.6	65.6	22.0		30		0.5		0	0	0	2	5	5	0	0	18
KALAT (NORTH)																							
Nokkundi	0000	2229	928.2		1002.4	76.3	55.5	33.2	6.0		21		0.0		12	2	1	0	2	1	1	11	0
	0300		930.2		1004.2	79.7	57.8	36.3	7.5	−2.9	22	−11	0.0	−0.2	7	6	4	5	1	1	1	5	0
	1200		927.2		998.2	00.1	66.4	38.3	8.5		13		0.0		9	1	0	1	2	4	4	9	0
KALAT (SOUTH)																							
Turbat*	0000	510																					
	0300																						
	1200																						
Jiwani	0000	185	997.2		1003.6	77.9	75.0	73.6	28.3		87		4.1		0	0	0	2	4	10	1	0	13
	0300		998.5		1004.9	80.0	76.4	74.8	29.4	—	85		4.8		1	0	0	0	5	5	12	1	6
	1200		996.2		1002.5	84.8	77.8	74.6	22.5		73		3.2		0	0	0	2	13	15	0	0	0
Pasni	0000	28	1002.6		1003.5	*	*						2.2		0	0	1	0	0	1	3	0	25
	0300		1003.6	−1.9	1004.5	*	*					+	2.9	−0.4	0	2	0	0	0	1	3	0	24
	1200		1001.2		1002.1	85.2	79.6	76.7	31.9		77		0.4		0	0	0	0	2	23	5	0	0
Ormara	0000	15	1002.4		1002.9	77.5	72.0	68.9	24.4		75		4.8		0	1	0	0	0	4	21	0	4
	0300		1003.7		1004.2	80.0	72.8	68.7	24.3	−3.3	69	−17	4.4	−0.5	0	0	0	0	0	2	20	0	8
	1200		1001.1		1001.6	85.8	74.1	68.0	23.4		56		1.5		0	0	0	0	1	7	22	0	0
Lasbela	0000	292	*			80.1	75.8	74.3	28.4		81		0.4		0	0	1	0	1	0	1	0	27
	0300		994.5	−1.2	1001.5	82.8	77.5	75.6	29.8	+1.8	78	3	0.0	−2.5	0	0	0	1	2	1	1	0	25
	1200		990.6		1000.6	97.8	82.3	75.9	30.7		50		0.6		1	0	3	8	3	12	1	0	2
FEDERAL CAPITAL AREA																							
Karachi (Manora)	0000	13	1001.8		1002.3	77.5	74.8	73.5	28.2		89		3.5		0	0	0	0	0	3	10	3	14
	0300		1003.5	−2.3	1004.0	79.3	76.5	75.5	29.6	+0.8	89	+3	3.1	−1.1	0	0	0	0	0	3	16	3	8
	1200		1000.8		1001.3	86.4	82.7	81.3	36.5		86		3.3		0	0	0	0	0	5	23	2	0
Karachi (Mauripur)	0000	52	1000.7		1002.7 (b)	79.2 (b)	72.2 (b)	76.2 (b)	31.0		91		3.0		1	0	0	0	0	2	18	8	1
	0300		1002.1		1003.9	80.0	77.4	76.5	30.9		89		4.0		0	0	0	0	0	2	17	9	2
	1200		999.9		1001.7	85.4	79.5	77.0	31.8		75		3.0		0	0	0	0	0	16	11	2	1
Karachi (City)	0300	20	1003.0		1003.9	*	*						4.3		1	0	0	0	1	2	21	5	0
	1200		1000.2		1001.1	*	*						3.1		1	0	0	0	0	11	18	0	0
Karachi (P.A.F.)	0000	24	1001.7		1002.6	79.5	77.0	75.8	30.7		91		3.0		0	0	1	0	0	15	13	1	0
	0300		1002.8		1001.7	80.6	77.7	76.3	31.1		87		3.6		0	0	0	0	0	17	10	1	2
	1200		1000.5		1001.4	86.5	79.8	76.8	31.7		73		3.3		0	0	0	0	0	25	5	0	0
Karachi (Airport)	0000	73	1000.2		1002.7	79.3	76.4	75.1	29.7		87		2.7		0	0	0	0	0	5	17	3	5
	0300		1001.5		1004.1	80.6	76.7	75.0	29.6		83		4.3		0	0	0	0	0	5	19	1	5
	1200		999.3		1001.8	86.3	78.0	74.6	29.3		68		4.2		0	0	0	0	1	16	13	0	0
HYDERABAD																							
Badin	0000	31	1001.0		1002.1	79.8	76.1	74.5	29.1		84		1.7		1	0	0	0	0	27	0	2	0
	0300		1002.7	−1.7	1003.8	81.2	77.3	75.4	30.2	+3.0	83	+6	1.6	−1.3	1	0	0	0	0	28	0	1	0
	1200		1000.6		1001.6	92.4	82.7	78.8	33.8		65		0.8		2	0	0	0	1	27	0	0	0
Nagarparkar	0000	178	996.8		1002.5	*	*						2.3		3	0	0	0	0	1	10	12	4
	0300		997.5		1003.8	*	*						2.0		1	0	0	1	0	17	3	5	3
	1200		(b) 994.0		999.9	(b) 87.6	(b) 78.4	(b) 73.4	29.1		65		(b) 2.5		0	0	0	0	1	17	4	1	6

(*) Data rejected.

(a) Mean of 29 days.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF SEPTEMBER, 1958.

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										
Umarkot	0000	55	999.9		1001.8	78.8	76.3	75.3	29.8		89		1.4		1	2	0	1	7	10	0	1	8
	0300		1001.8		1003.7	80.6	77.1	75.6	30.2		85		3.5		3	1	2	1	8	10	1	0	4
	1200		997.9		999.8	93.5	79.2	72.5	27.5		51		2.7		3	2	2	2	2	13	1	2	3
Chhor	0000	19	1001.1		1001.8	78.6	75.9	74.6	29.3		88		4.7		0	4	0	1	2	14	1	0	8
	0300		1002.7		1003.3	81.1	76.9	75.1	29.7		82		5.1		1	4	2	1	0	17	2	1	2
	1200		999.6		1000.2	91.3	78.3	72.4	27.1		54		4.4		2	7	0	2	1	15	1	1	1
Hyderabad	0000	98	998.1		1001.5	80.1	75.3	73.1	27.8		79		1.7		7	0	0	0	3	18	0	1	1
	0300		959.6	—2.1	1003.0	82.0	76.2	73.4	28.2	+3.0	76	+4	2.5	1.2	7	2	1	0	0	20	0	0	0
	1200		996.7		1000.0	94.6	78.7	71.3	26.3		47		2.0		6	4	1	1	2	15	0	1	0
KHAIRPUR																							
Padidan	0000	153	996.1		1001.4	79.7	73.9	70.7	26.3		75		0.8		6	2	0	11	4	0	0	0	7
	0300		997.7		1002.9	82.2	75.5	71.8	27.2		72		1.2		2	6	1	11	7	0	0	3	0
	1200		994.4		999.5	98.7 (b)	77.6 (b)	66.8 (b)	23.2		36		1.4		9	2	0	6	5	0	0	3	5
Nawabshah	0000	124	997.7		1002.1	79.4	74.2	71.8	26.5		77		1.5		2	1	5	7	7	0	1	1	6
	0300		999.1 (b)		1003.1	82.0	75.6	72.6	27.3		73		2.5		6	0	2	9	8	0	0	2	3
	1200		995.8		1000.0	98.7	77.8	67.3	23.0		36		2.4		4	5	2	0	10	3	1	1	4
Sukkur	0300	221	995.3	—1.0	1002.8	82.7	76.4	73.1	28.5	+1.3	74	+1	1.7	+1.3	0	5	0	5	2	2	0	1	15
	1200		991.7		999.3	97.1	80.5	72.4	28.0		47		2.4		8	8	0	0	1	1	1	1	10
Kashmore*	0000	255																					
	0300																						
	1200																						
Jacobabad	0000	183	995.6		1001.9	82.3	75.3	71.9	26.8		71		0.6		1	4	7	12	5	0	1	0	0
	0300		996.9	—1.2	1003.2	84.8	76.5	72.5	27.4	—1.0	67	—6	1.8	+1.3	1	2	9	15	2	1	0	0	0
	1200		993.4		999.4	98.6	79.3	70.1	25.4		40		1.4		0	1	1	20	7	1	0	0	0
JUNAGADH																							
Veraval	(m) 0300	26	1005.3		1006.3	79.9	76.1	74.6	29.0		84		5.2		2	1	0	1	0	2	7	4	1
	(g) 1200		1003.7		1004.7	82.0	78.2	76.7	31.2		64		4.8		0	0	0	0	0	6	13	5	0
AFGHANISTAN																							
Jalalabad (x)	0300	1950																					
	1200																						
ARABIA																							
Muscat	0300	20	1002.8		1003.5	86.8	78.6	75.0	29.7		68		1.9	+0.9	0	1	0	0	0	0	1	3	25
	1200		1001.5		1002.2	89.0	80.4	77.1	31.5		67		1.3		2	3	6	0	0	0	1	5	13
HILL STATIONS																							
KASHMIR																							
Srinagar (x)	0000	5205																					
	0300																						
	1200																						

* Data rejected.
(x) Data not available.

(b) Means for 29 days.
(h) Register not received.

(m) Mean for 16 days.
(g) Mean for 24 days.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF SEPTEMBER, 1958.

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
Gulmarg (x)	0300	8709																					
	1200																						
Gurez (x)	0300	...																					
	1200																						
Sonemarg (x)	0300																						
	1200																						
Dras (x)	0300	10059																					
	1200																						
Kargil (x)	0300	...																					
	1200																						
Leh (x)	0300	...																					
	1200																						
Skardu (x)	0000	7250																					
	0300																						
	1200																						
Misgar	0000	10190	*		*	41.4	36.0	29.4	5.5		62		1.3		0	0	0	0	0	0	0	0	30
	0300		*	...	*	53.0	41.0	25.6	5.0	...	37	...	1.0	...	0	0	0	0	0	0	1	0	29
	1200		*		*	67.6	48.7	30.9	5.8		25		1.3		0	0	19	0	0	0	4	0	7
Aliabad (x)	0300	6850																					
	1200																						
Gilgit (Surface) (x)	0000	4950																					
	0300																						
	1200																						
RAWALPINDI																							
Murree	0000	7113	781.9		1456.8	58.4	55.4	53.0	13.9		83		3.6		0	3	1	9	0	0	0	15	2
	0300		783.8	—0.7	1473.8	61.9	57.4	54.2	14.5	+1.5	77	+10	3.9	+1.7	1	0	2	6	0	1	13	4	3
	1200		782.7		1455.5	66.5	61.8	59.0	17.1		77		5.0		0	0	2	4	0	0	9	12	3
PESHAWAR																							
Drosh	0000	4806	850.0		1463.8	69.8	59.3	51.4	13.0		53		2.1		0	0	0	0	0	3	0	0	27
	0300		850.9	—2.2	1473.2	70.8	60.0	52.0	13.3	+0.5	52	—6	2.1	+0.9	0	0	0	2	0	1	0	0	27
	1200		846.4		1426.0	87.1	63.2	44.3	10.1		23		2.9		0	0	0	0	0	27	0	0	3
Cherat	0000	4272	*		*	69.1	64.8	63.2	19.2		79		1.7		9	0	1	0	8	11	0	1	0
	0300		*	...	*	70.5	65.2	61.7	19.1	+3.5	75	+12	1.7	+0.2	14	0	0	6	10	0	0	0	0
	1200		*		*	79.8	68.3	62.8	18.9		55		2.2		6	1	0	10	10	1	2	0	0
Kakul	0000	4214	867.8		1460.0	66.9	62.5	59.7	17.6		78		2.8		5	12	6	0	1	0	0	6	0
	0300		868.9	...	1471.2	71.0	65.2	61.8	18.7	...	72	...	3.0	...	4	0	2	5	4	2	2	10	1
	1200		866.8		1453.8	78.3	68.1	62.7	19.4		58		3.0		1	0	0	6	12	6	1	4	0
Balakot (R)	0000	3226	x		x	66.8	63.2	61.0	18.4		82		3.3		6	0	0	0	2	1	0	5	16
	0300		x	...	x	69.3	65.1	62.6	19.5	...	77	...	3.5	...	2	2	2	1	2	1	1	0	19
	1200		x		x	82.6	72.2	67.0	22.8		60		4.2		1	0	0	3	3	13	0	1	9
Landikotal	0000	3503	*		*	71.0	68.0	66.0	22.2		85		1.1		10	10	0	0	0	0	0	0	10
	0300		889.5	...	1462.3	76.6	69.8	65.7	22.3	...	71	...	1.4	...	6	6	0	0	0	0	0	0	18
	1200		887.0		1443.4	84.4	74.9	69.7	25.7		63		1.4		9	10	0	2	2	0	0	0	7

(x) Data not available. * Data rejected

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF SEPTEMBER, 1958.

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 Open.	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										
D. I. KHAN																							
Parachinar	0000	5673	(g) 822.6		(g) 1442.7	61.8	57.7	54.4	14.8		79		0.9		19	3	1	0	0	0	1	0	6
	0300		(h) 823.5	—17	(h) 1457.3	65.0	59.3	55.1	15.2	+2.7	72	+16	0.4	—1.0	1	0	0	2	2	0	0	0	25
	1200		(h) 822.1		(h) 1435.4	78.9	63.8	54.7	14.8		44		2.3		0	0	3	25	1	0	0	0	1
Miranshah	0000	3026	904.0		1455.3	76.2	67.0	61.4	18.9		61		0.9		0	14	2	0	0	1	0	0	13
	0300		904.9	...	1465.1	78.3	69.7	65.2	21.0	+5.9	65	+13	0.5	—0.1	0	4	3	0	0	0	0	1	22
	1200		902.1		1447.1	86.9	72.1	64.4	20.8		48		0.6		0	22	3	3	0	1	0	1	0
Wana	0300	4503	859.1	...	1466.4	70.2	62.3	56.9	16.0	+3.5	63	+9	0.4	—0.4	0	0	1	1	3	2	0	0	23
	1200		857.0		1445.6	82.6	65.3	55.6	14.3		37		1.9		0	2	7	17	2	1	0	0	1
QUETTA																							
Fort Sandeman	0300	4614	856.9	+0.3	1476.0	73.6	63.8	56.3	16.2	+3.1	58	+7	1.1	+0.5	1	0	1	0	1	0	0	0	27
	1200		854.0		1447.0	89.9	64.3	42.7	10.2		21		2.1		8	2	3	0	3	1	3	1	9
Hindubagh	0000	5909	817.6		1468.9	60.4	46.2	29.5	5.6		31		0.1		0	0	0	0	0	0	26	0	4
	0300		818.5		1475.0	66.1	50.8	34.9	7.3		33		0.1		2	0	0	0	0	1	14	1	12
	1200		815.5		1427.3	87.6	63.6	48.9	11.4		26		0.4		0	1	2	0	3	0	22	0	2
Loralai	0000	4699	851.7		1448.0	63.6	59.3	56.9	15.5		77		1.0		0	1	0	0	0	2	11	0	16
	0300		852.6		1457.0	65.6	60.7	56.9	16.2		75		1.1		0	0	0	0	0	4	10	9	7
	1200		849.8		1429.0	85.5	*	*					1.8		0	1	1	15	6	7	0	0	0
Harnai	0300												0.6		2	0	0	0	0	0	28	0	0
	1200												1.0		0	0	19	2	9	0	0	0	0
Quetta (Samungli)	0000	5215	837.1		1458.0	54.8	48.2	41.7	9.1		62		0.2		0	0	9	11	0	0	0	0	10
	0300		837.8		1463.4	62.4	53.4	45.7	10.7		55		0.2		0	1	4	9	2	0	1	0	13
	1200		835.2		1429.8	87.7	61.6	40.4	9.3		21		0.5		1	0	0	0	0	0	15	12	2

(h) Mean for 23 days. (g) Mean for 24 days.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF SEPTEMBER, 1958.

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 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
	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas										
Quetta	0300	5490	829.3	—2.8	1455.6	69.1	58.8	51.5	13.2	+3.0	55	+3	0.0	—0.3	3	1	0	0	6	1	1	0	18
	1200		827.3		1432.6	87.4	64.8	50.7	12.5		29		1.3		11	1	3	0	1	0	5	8	1
Chaman	0000	4311	864.4		1457.1	69.8	58.0	48.4	11.8		48		0.0		0	29	0	0	0	0	0	1	0
	0300		865.5	—0.8	1469.7	76.1	61.9	52.5	13.2	+5.3	42	+11	0.0	—0.2	0	1	1	17	0	1	0	1	9
	1200		863.3		1451.4	90.7	72.2	62.0	19.4		40		0.0		0	1	0	1	0	7	6	12	3
KALAT (NORTH)																							
Kalat	0000	6616	797.8		1484.8	51.4	42.3	32.0	5.9		46		0.0		0	0	0	8	8	0	0	0	14
	0300		798.7	—0.3	1482.8	62.1	49.9	35.5	7.5	—1.2	40	—4	0.0	—0.3	0	0	0	8	17	0	0	0	5
	1200		796.7		1441.6	80.7	55.0	29.2	5.5		17		0.0		10	0	1	0	0	0	2	17	0
Nushki	0000	3416	896.7		1504.1	*	*						0.0		5	20	3	1	1	0	0	0	0
	0300		896.7		1504.3	75.9	57.3	39.9	8.5		28		0.0		5	14	8	1	1	0	0	1	0
	1200		894.6		1501.8	97.5	65.5	38.5	8.4		13		0.0		15	3	0	0	2	2	1	7	0
Dalbandin	0000	2785	910.5		1434.9	68.8	51.5	31.3	6.1		25		0.0		1	6	4	2	2	1	1	5	8
	0300		912.0	—1.3	1452.0	70.7	52.4	30.9	6.1	—2.0	24	—10	0.2	—0.2	1	8	3	3	1	0	3	1	10
	1200		908.9		1452.5	98.9	66.2	39.3	8.7		14		0.3		1	2	2	11	0	9	2	2	1
KALAT (SOUTH)																							
Panjgur	0000	3177	899.2		1448.6	69.2	55.5	42.5	9.4		39		0.0		20	9	0	0	0	0	0	0	1
	0300		900.6	—0.4	1463.7	70.9	55.9	40.2	9.3	—4.7	36	—17	0.0	—0.6	4	10	7	1	1	1	0	2	4
	1200		898.2		1463.5	94.3	63.7	35.5	7.7		14		0.0		18	2	1	1	0	2	1	5	0
AFGHANISTAN																							
Kabul (R)	0300	5955																					
	1200																						
Kandahar	0300	3462	895.5	...	1494.5	62.3	55.0	48.6	11.8		62		*		0	0	1	3	0	0	1	0	25
	1200		892.7		1487.1	86.1	66.9	54.3	14.7		35		*		0	0	0	1	1	13	6	0	9

(R) Register not received
(*) Data rejected

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF SEPTEMBER, 1958.

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
EAST PAKISTAN																					
CHITTAGONG DIVISION																					
Cox's Bazar (P. T.)	88.2	+1.8	92	10,30	76.8	+0.9	74	19	18.28	+3.03	3.37	18	20	+5.6	2.4	—0.2	15				
Chittagong (Patenga)	88.7		92	8,12	77.5		75	12,26,27	15.41		2.54	16	18		x		14				
Chittagong	88.3	+1.2	92	12	76.2	—0.2	75	5 days	14.14	+1.50	2.09	16	21	+8.0	2.5	—2.2	14				
Maijdi Court	88.3	+1.6	92	12,29	78.2	—0.1	75	4 days	11.07	—5.03	1.65	29	17	+1.0	x						
Comilla	90.5	+1.9	95	7	78.1	+1.2	75	4 days	10.24	—1.11	1.93	27	13	—0.7	1.1	—2.1	8				
Brahmanbaria	90.3	+0.1	92	8 days	78.1	+1.6	74	25,27,29	13.16	+3.56	2.49	7	17	+3.9	3.0			4			
Srimangal	91.0	+0.7	95	10,12	75.9	+0.6	72	30	14.69	—2.92	3.10	29	16	+0.1	1.0	—1.5	22				
Sylhet	89.1		95	10	77.0		75	7 days	17.95		5.47	18	13		x		19				
DACCA DIVISION																					
Mymensingh	89.9	+2.1	94	10,11	78.2	+0.4	74	29,30	7.59	—6.50	2.75	19	19	+4.3	1.1	—0.3	4				
Narayanganj	90.9	+2.2	95	15	79.8	+1.0	74	27	9.17	—0.59	2.73	8	14	+1.9	2.9	0.0					
Dacca (Tejgaon)	89.4		92	11,19	79.2		74	27	4.28		1.02	8	7		4.8		11				
Faridpur	88.3	+0.5	92	19	78.7	+0.2	73	19	3.88	—5.38	0.76	19	9	—3.0	1.4	—2.3	2				
Barisal	89.2	+1.1	94	7,8	78.9	+0.7	73	22	13.10	+3.02	2.32	30	12	—2.2	x		3				
RAJSHAHI DIVISION																					
Khulna	88.9	—0.1	95	19	78.8	+0.3	75	28	9.58	+1.66	2.31	14	15	+2.8	5.1	+2.5					
Satkhira	89.9	+0.3	95	5,7	78.6	+0.3	76	14	8.77	—0.01	1.62	20	15	+2.8	x						
Jessore	90.0	+0.7	94	5 days	77.8	+0.3	75	14,19,28	4.26	—4.22	1.41	14	9	—3.0	2.4	+0.5					
Pabna	90.8	0.0	93	5 days	79.8	+3.4	76	19	5.15	—3.22	1.05	17	13	—1.9	x						
Serajganj	89.2		93	19	79.6		76	22	7.61	—2.08	3.09	5	8	—3.8	2.5		6				
Rajshahi									3.99	—5.79	0.95	5	9	—2.6							
Bogra (P.B O.)	(m) 89.8	+0.7	x		79.7	+1.8	77	4 days	12.09	+0.80	4.38	5	11	—1.6	2.0	+0.6	5				
Dinajpur	90.1	+1.4	95	11,13	79.6	+1.7	75	17	6.64	—6.41	1.74	17	9	—3.5	0.4	—1.4	4				
Rangpur	89.4		95	11,	79.1		71	13	13.18	—0.92	3.75	17	10	—2.9	1.9						

(m) Mean for 17 days. (x) Data not available.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF SEPTEMBER 1958.

DIVISION AND STATION	Maximum Temperature of the Air °F				Minimum Temperature of the Air °F				Precipitation (inches)						Wind Velocity (knots)		Weather Number of Days				
	Mean.	Departure from normal.	Highest.	Date.	Mean.	Departure from normal.	Lowest.	Date.	Total of the month.	Departure from normal.	Heaviest fall in 24 hours.	Date.	Days with 0.10 inch or more.	Departure from normal.	Mean.	Departure from normal.	Thunder heard.	Hail.	Fog. Visibility Code Figure 93 or less	Haze (dust). Visibility Code Figure 93 or less	Dust Storm. Visibility Code Figure 93 or less
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
KASHMIR																					
Jammu																					
LAHORE																					
Lahore (Jail Road)	90.2	—7.1	99	4 days	75.7	+2.6	69	28	19.41	+17.21	8.07	4	7	+4.5	1.6	+0.3	7	0	0	0	1
„ (P.A.F.)	89.9	—	97	4 days	75.3	—	65	27	25.94	—	10.97	4	7	—	4.3	—	4	0	0	0	1
„ (Walton)	90.6	—	99	21	75.9	—	70	27,28,30	19.79	—	8.25	4	9	—	5.4	—	5	0	0	0	1
Sialkot	89.7	—4.9	100	1	75.0	+1·2	67	16,29	10.63	+7.20	2.69	4	9	+5.2	1.7	+0.5	0	0	0	0	0
RAWALPINDI																					
Jhelum	92.5	—	100	1,2	74.6	—	66	16	6.37	—	1.55	28	9	—	1.5	—	6	0	0	0	1
Chaklala	91.6	—	100	7,8	72.1	—	64	14	5.20	—	3.57	14	5	—	4.1	—	10	0	0	0	1
Rawalpindi	88.9	—4.5	101	8	72.7	+3.4	65	30	3.62	—0.27	2.12	14	4	—0.6	x	—	6	0	0	0	0
Khushab	95.6	—3.0	104	24	76.5	+0.4	70	28	0.11	—1.27	0.11	27	1	—1.0	(b) 4.3	+0.6	0	0	0	0	0
Sargodha (x)																					
MULTAN																					
Lyallpur	93.0	—5.1	101	23,25	76.3	+1.1	71	28,29 30	2.75	+1.26	0.86	4	3	+1.3	2.5	+0.5	1	0	0	0	1
Montgomery	93.0	—6.3	100	23,24	76.2	+0.3	72	21,28	1.09	—0.18	0.95	3	2	+0.4	(b) 1.8	—1.6	0	0	0	0	0
Multan (P.B.O.)	98.0	—	104	1,2	77.5	—	71	27,28	2.22	—	1.56	27	2	—	x	—	5	0	0	0	0
„ (Surface)	97.5	—1.2	104	1,24	79.4	+1.7	72	28	2.93	+2.39	2.75	27	1	+0.3	0.8	—0.9	4	0	0	0	1
BAHAWALPUR																					
Leiah (x)																					
Khanpur	100.6	—1.6	107	1	(i) 80.0	+3.0	74	21	0.00	—0.19	0.00	—	0	—0.2	5.1	0.0	2	0	0	0	2
„ (P.B.O.)	99.5	—	106	1	77.0	—	70	28	0.01	—	0.01	3	0	—	7.3	—	2	0	0	0	2
Bahawalpur	96.6	—3.8	104	8	78.0	+2.3	72	28,29	0.21	+0.08	0.21	17	1	+0.8	4.2	+1.1	0	0	0	0	0
Fort Abbas	94.3	—	105	1	77.4	—	72	26,27	4.34	—	1.68	3	4	—	4.6	—	0	0	0	0	0
PESHAWAR																					
Chakdara	90.9	—	98	8	68.4	—	61	1	4.55	—	1.30	11	5	—	(x)	—	5	0	0	0	0
Peshawar	94.8	—0.2	104	8	74.7	+2.9	68	26,27,28	0.42	—0.39	0.20	26,27	2	+0.5	2.7	+1.4	6	0	0	0	0
Risalpur	96.6	—	107	8	74.8	—	68	28,29	3.40	—	2.06	26	3	—	3.0	—	9	0	0	0	2
Haripur	93.0	—	102	8	72.0	—	65	30	14.01	—	11.22	14	3	—	3.3	—	0	0	0	0	0
Campbellpur	*				58.0	—	50	28	3.87	—	1.70	9,14	4	—	2.8	—	0	0	0	0	0
D. I. KHAN																					
Kohat	95.5	—	105	8	76.2	—	67	26	2.38	—	0.98	26	6	—	3.5	—	7	0	0	0	0
Bannu	93.7	—4.2	102	8	75.5	+1.8	68	27,30	1.26	—0.63	0.92	14	2	+1.0	2.2	—	4	0	0	0	0
D. I. Khan	98.2	—1.2	104	7,9	77.3	+1.7	70	27,28	0.12	—0.51	0.12	26	1	+0.1	1.0	—0.2	0	0	0	0	0

(x) Data not available. (a) Mean for 30 days. (*) Data rejected. (i) Mean for 21 days.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF SEPTEMBER, 1958.

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.	Visibility Code Figures 93 or less: Hail.	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
QUETTA																					
Sibi	105.5	+1.5	111	2	(b) 82.4	+3.5	72	29	0.19	+0.06	0.16	26	1	+0.7	1.9	—1.4	1	0	0	0	0
KALAT (NORTH)																					
Nokkundi	104.2	+3.7	112	2,3,4	72.0	+1.1	60	28	0.00	0.00	0.00		0	0.0	x		0	0	0	0	0
KALAT (NORTH)																					
Turbat	•				•				0.00		0.00		0		•		0	0	0	0	0
Jiwani	87.9		91	14	76.7		73	30	0.00		0.00		0		•		0	0	2	0	0
Pasni	89.3	+0.1	94	12	75.0	+2.5	69	30	0.00	0.00	0.00		0	0.0	9.0	+3.0	0	0	1	0	0
Ormara	87.8	+1.4	95	12	77.4	+1.1	74	30	0.00	—0.01	0.00		0	0.0	10.6	+1.3	0	0	0	0	0
Lasbela	104.1	+4.7	113	2	77.2	+3.6	67	30	0.97	+0.39	0.35	11	3	+2.5	2.7	+0.3	0	0	0	0	0
FEDERAL CAPITAL AREA																					
Karachi (Manora)	88.2	+2.6	91	2	76.2	—0.5	73	14	0.69	+0.17	0.51	13	2	+1.5	x		0	0	1	0	0
Karachi (Mauripur)	89.7		103	12	(b) 78.7		73	30	1.92		1.87	14	1		x		2	0	0	0	0
Karachi (City)	89.0		101	12	78.0		74	30	1.05		0.95	13	1		7.1		0	0	0	0	0
Karachi (P.A.F.)	90.8		103	12	78.5		73	30	1.57		1.22	14	3		13.5		1	0	0	0	0
Karachi (Airport)	90.9		104	12	78.2		72	30	1.26		1.06	14	2		9.2		1	0	0	0	0
HYDERABAD																					
Badin	94.9	+0.8	110	2	78.3	+1.1	73	22	4.01	+3.12	2.02	13	4	+3.1	5.2		0	0	0	0	0
Nagarparkar	96.0		105	1	78.8		75	19	5.36		1.55	13	8		5.6		0	0	0	0	0
Umarkot	96.1		108	2	77.6		74	23	2.53		1.78	13	2		6.3		3	0	0	0	0
Chhor	94.5		107	2	77.8		75	5 days	3.41		0.90	13	7		5.9		1	0	0	0	0
Hyderabad	98.6	+1.3	110	2	79.4	+3.0	75	29,30	0.96	+0.33	0.44	14	4	+3.2	7.7	+0.4	0	0	0	0	0
KHAIRPUR																					
Padidan	102.1		106	1,6,7	78.1		73	30	0.02		0.02	14	0		5.8		0	0	0	0	0
Nawabshah	101.5		109	2	78.5		72	29	0.17		0.17	11	1		5.6		1	0	0	0	2
Sukkur	100.1	—0.3	104	1	79.2	+0.5	75	4 days	0.00	—0.02	0.00		0	—0.1	1.5	—2.0	0	0	0	0	0
Kashmore	•				•				0.00		0.00		0		•		0	0	0	0	0
Jacobabad	100.6	—1.7	106	2	80.6	+3.6	73	29	0.00	—0.17	0.00		0	—0.3	6.7	+2.2	0	0	0	0	0
JUNAGADH																					
Veraval (z)	(b) 83.9				x				x				x		x				x		
AFGHANISTAN																					
Jalalabad (z)																					
ARABIA																					
Muscat	92.1	+0.4	102	8	84.1	+1.5	80	5	0.00	0.00	0.00		0	0.0	2.9	+0.1	0	0	0	0	0
HILL STATIONS KASHMIR																					
Srinagar (z)																					
Gulmarg (z)																					
Gurez (z)																					
Sonamarg (z)																					
Dras (z)																					
Kargil (z)																					
Leh (z)																					
Skardu (z)																					

• Data rejected. (b) Mean for 29 days. (z) Mean of 20 days. (x) Data not available.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF SEPTEMBER, 1958.

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
KASHMIR—(*Continued*)																					
Misgar	73.4	—	85	7	*	—	—	—	0.02	—	0.02	28	0	—	4.2	—	0	0	0	0	0
Aliabad (x)																					
Gilgit (x)																					
RAWALPINDI																					
Murree	70.2	—2.1	77	5	56.9	+2.1	48	16	5.23	—0.19	1.28	14	8	+0.8	5.1	+1.8	7	0	3	0	0
PESHAWAR																					
Drosh	93.7	+5.7	105	7	68.2	+3.8	55	27	0.91	+0.22	0.58	21	2	+0.1	4.4	+1.2	7	0	0	0	0
Cherat	84.4	+0.4	94	8	67.1	+1.0	59	26,27,28	3.00	+0.93	1.68	26	6	+3.1	(b) 4.7	+0.6	1	0	0	0	0
Kakul	82.8	—	90	8	65.4	—	57	30	5.57	—	1.45	11	9	—	x	—	13	0	0	0	0
Balakot	87.4	—	94	9	63.8	—	55	30	11.03	—	3.20	9	10	—	2.3	—	9	0	0	0	0
Landikotal	88.1	—	96	8	67.9	—	60	30	0.11	—	0.11	26	1	—	1.7	—	1	0	1	0	0
D. I. KHAN																					
Parachinar	82.8	+1.6	91	8	*	—	—	—	4.35	+2.24	1.50	10	8	+3.0	2.5	+0.4	0	0	0	0	0
Miranshah	89.9	—1.8	98	8	73.6	+2.5	64	30	0.22	—0.51	0.17	16	1	—0.7	5.6	+1.0	0	0	0	0	0
Wana	88.5	—1.1	95	6,7	63.6	+2.4	59	29	0.61	+0.12	0.33	26	2	+0.6	2.6	—	4	1	0	0	1
QUETTA																					
Fortsandeman	93.0	+0.3	103	7	67.3	+1.1	55	11,12	0.33	+0.01	0.30	16	1	+0.3	3.3	+1.6	0	0	0	0	0
Hindubagh	90.6		98	8,9	58.9		46	30	0.00				0		4.8		0	0	0	0	0
Loralai	89.0		96	7	59.1		50	30	1.90	+1.71	1.90	15	1	+0.5	2.7		0	0	0	0	0
Harnai									4.95	+4.01	3.30	15	3	+1.6	x		0	0	0	0	0
Quetta (Samungli)	90.3		97	9	(b) 50.0		37	30	0.00		0.00		0		3.4		0	0	0	0	0
Quetta	90.5		99	9	55.5		47	17,18	0.00		0.00		0		3.3	+1.7	0	0	0	0	0
Chaman	93.5	+2.7	104	1	65.5	+1.8	53	28	0.00	—0.03	0.00		0	—0.1	x		0	0	0	0	0
KALAT (NORTH)																					
Kalat	85.1	+1.1	92	9	49.5	+1.0	38	30	0.00	—0.09	0.00		0	—0.2	5.1	+1.4	0	0	0	0	0
Nushki	99.2		112	4	71.8		58	29	0.00		0.00		0		x		0	0	0	0	0
Dalbandin	101.5	+2.2	109	5,6,7	64.3	+2.7	49	30	0.00	0.00	0.00		0	0.0	3.2	0.0	0	0	0	0	0
KALAT (SOUTH)																					
Panjgur	97.6	+1.9	107	4	65.9	+0.9	53	30	0.00	—0.04	0.00		0	—0.2	3.6	+0.2	0	0	0	0	0
AFGHANISTAN																					
Kabul (R)																					
Kandahar	93.2	—	99	4 days	5.66	—	49	30	0.00	—	0.00	—	0	—	1.0	—	0	0	0	0	0

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

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PAKISTAN WEATHER REVIEW, 1958

MONTHLY WEATHER REPORT

October

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(PUBLISHED BY THE AUTHORITY OF THE GOVERNMENT OF PAKISTAN)

Chief Features:

Cyclonic storm from the north Bay of Bengal moved into East Pakistan and caused extensive damage to property and considerable loss of life during the fourth week.

West Pakistan

A low pressure wave over Kashmir moved away eastwards causing fairly widespread rain in Lahore Division on the 1st. Thereafter, four westerly low pressure waves moved across Peshawar Division and Kashmir during the first week and caused scattered thunderstorms or showers in Peshawar Division on the 2nd, 3rd, 7th and 8th.

A depression which formed in the South Bay of Bengal moved in a Westerly direction, emerged into east central Arabian Sea and lay with its centre at 0300 GMT of the 9th within half a degree of latitude 16°N and long 71°E. It became deep and moved initially northwestwards and then westwards, weakened gradually and filled up in the southwest sector of North Arabian Sea by the 18th. It caused scattered rain in Hyderabad Division on the 11th and the 14th and scattered thunderstorms over there on the 15th.

Five westerly low pressure waves moved thereafter across the northern parts of the region during the rest of the month. They caused scattered to local thunderstorms or showers in Peshawar, D. I. Khan and Rawalpindi Divisions between the 10th and the 15th and on the 18th, 21st and 22nd and pronounced thunder-rain activity in Peshawar, Rawalpindi and Lahore Divisions and scattered dust or thunderstorms in Multan, Bahawalpur and Khairpur Divisions, between the 19th and the 20th. A violent squall hit Lahore on the 19th and caused some damage as reported by newspapers.

Chief amounts of rainfall recorded were: Nagarparkar 2" on the 14th and Murree 1-1/2" on the 20th.

The total rainfall during the month was in large excess in Hyderabad, Multan and Rawalpindi Divisions, in slight excess in Lahore Division, and normal in Peshawar Division. It was in slight defect in D. I. Khan Division and in large defect elsewhere. Averaged over the region, it remained normal.

The mean maximum temperature was below normal in Lahore, Rawalpindi Divisions and normal elsewhere.

The mean minimum temperature was normal in Rawalpindi, Peshawar, D. I. Khan, Quetta, Kalat and Kairpur Divisions and above normal elsewhere.

The mean relative humidity was in defect in Kalat Division, normal in Peshawar, D. I. Khan, Quetta, and Khairpur Divisions and the Federal Capital Area and in excess over rest of the region.

The mean cloud amount was in defect in Rawalpindi, Multan, Bahawalpur, Quetta and Kalat Divisions, normal in Lahore, Peshawar and Hyderabad Divisions and in excess elsewhere.

East Pakistan

A low which developed in the west central and adjoining north Bay of Bengal towards the end of the previous month moved initially north west-wards and then northwards and filled up over Utter Pradesh by the 4th. Thereafter a westerlylow pressure wave moved across Sub-Himalayan West Bengal to Assam. In their association a scattered to local rain fell over the region between the first and the fifth.

Monsoon became active during the second week and caused local to fairly widespread rain in Chittagong Division on the 7th and the 8th and practically over the whole region between the 9th and the 14th.

A depression formed in west central Bay of Bengal on the 16th when it lay at 0300 G.M.T. within half a degree of latitude 13°N and longitude 85°E. It moved northwestwards and became unimportant by the 21st after causing fairly widespread thunderstorms or showers over the region between the 19th and the 21st and scattered during the preceding three days.

An easterly low pressure wave moved into east central Bay of Bengal and concentrated, into a depression on the 22nd centred at 0300 G.M.T. within half a degree of latitude 18°N and longitude 91°E. It moved into north Bay and concentrated into a cyclonic storm by the 23rd evening and thereafter recurved and moved into East Pakistan where it weakened into a low and moved away across Assam by the 26th. It caused fairly widespread rain with locally moderate to heavy fall in Chittagong Division and scattered to local rainfall elsewhere between the 23rd and the 25th and scattered over the whole region on the 26th. The storm was associated with a tidal wave and violent winds and caused extensive damage to property and considerable loss of life as reported by newspapers.

During the rest of the month the weather was dry except on the 30th when scattered thundershowers occurred in Chittagong Division under the influence of a westerly low pressure wave which moved across Assam.

Some of the more important amounts of rainfall were:—

Sylhet 4" on the 3rd, Faridpur 3" on the 9th, Mymensingh 3" on the 11th Sylhet and Faridpur 5" each on the 13th, Comilla and Dacca 3" each on the 14th, Barisal 6" and Maijdee Court 4" on the 24th and Srimangal 4" on the 25th.

The total rainfall during the month was in moderate excess over the region outside Rajshahi Division where it was in slight defect. Averaged over the region it was in slight excess.

The mean maximum temperature was normal everywhere, while the mean minimum temperature was above normal.

The mean relative humidity and the mean cloud amount was all normal except in Chittagong Division where the mean cloud amount was in excess.

Table I contains the Divisional means of rainfall, temperature, humidity and cloud amount for the 15 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 OCTOBER, 1958.

Division	PRECIPITATION				DEPARTURE FROM NORMAL OF				
	Actual	Normal	Departure from normal	Percentage departure from normal	Maximum temperature	Minimum temperature	0300 hrs. G. M. T.		
							Vapour pressure	Relative humidity	Cloud
1	2	3	4	5	6	7	8	9	10
	"	"			o	o	Mbs.	%	
EAST PAKISTAN									
Chittagong	10.02	7.08	+2.94	+41	+0.8	+2.3	+1.2	0	−0.7
Dacca	7.87	5.65	+2.22	+39	+1.7	+2.4	+1.7	+1	+1.3
Rajshahi	3.84	4.66	−0.82	−18	+1.0	+2.5	+1.6	+1	+0.2
Mean	6.93	5.70	+1.17	+21	+1.1	+2.4	+1.5	0	+0.7
WEST PAKISTAN									
Kashmir (x)									
Lahore	0.33	0.29	+0.04	+14	−2.9	+4.4	+4.3	+15	−0.1
Rawalpindi	1.18	0.77	+0.41	+53	−2.3	+0.9	+1.3	+8	−0.3
Multan	0.21	0.09	+0.12	+133	−0.8	+2.9	+2.2	+10	−0.2
Bahawalpur	0.00	0.04	−0.04	−100	+1.9	+5.0	+2.7	+9	−0.3
Peshawar	0.71	0.69	+0.02	+3	+1.0	+1.1	+0.9	+1	−01
D. I. Khan	0.21	0.25	−0.04	−15	+0.3	+1.7	+1.9	+4	+0.4
Quetta	0.00	0.12	−0.12	−100	+1.9	−0.2	+2.6	+5	−0.5
Kalat	0.00	0.02	−0.02	−100	+0.9	−0.1	−0.7	−8	−0.6
Federal Capital Area	0.00	0.02	−0.02	−100	+1.4	+2.5	+4.0	+3	+0.7
Hyderabad	0.17	0.03	+0.14	+467	−0.2	+3.3	+3.7	+8	+0.1
Khairpur	0.00	0.02	−0.02	−100	−0.2	+0.8	+0.6	+4	−0.2
Mean	0.16	0.15	+0.01	+7	+0.5	−0.1	+1.3	+6	−0.3
Junagad (x)									

(x) Data not available.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF OCTOBER, 1958.

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 mb. 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
	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	cktas										
EAST PAKISTAN																							
Chittagong Division																							
Cox's Bazar (P.T.)	0300	38	1010.7	+0.4	1012.0	84.7	79.7	77.7	32.7	+2.4	79	—1	3.0	—0.4	5	4	4	8	5	2	0	1	2
	1200		1007.2		1008.5	82.5	78.5	76.0	32.0		83		4.0		2	1	4	3	4	4	6	5	2
Chittagong (Patenga)	0000	20	1008.8		1009.5	77.3	76.0	75.6	29.5		94		4.7		2	5	2	2	1	1	1	0	17
	0300		1010.6		1011.3	82.8	78.7	76.8	32.0		83		4.3		0	9	4	4	2	2	0	0	10
	1200		1007.5		1008.1	83.1	78.7	76.5	31.3		81		4.5		1	1	1	1	2	3	7	5	10
Chittagong	0300	46	1009.8	—0.4	1011.4	83.1	78.5	76.9	31.3	+1.7	81	—2	4.2	+0.6	1	4	2	3	3	0	2	0	16
	1200		1006.6		1008.1	81.7	78.2	76.7	31.7		85		4.2		5	0	0	0	4	5	5	4	8
Maijdi Court	0000	25	1008.8		1009.6	78.0	76.7	76.3	30.5		93		3.2		0	0	0	1	0	0	0	0	30
	0300		1010.6	—0.2	1011.3	82.8	78.2	76.2	31.3	+0.7	81	—2	3.6	+0.6	3	1	0	0	0	0	0	0	27
	1200		1006.9		1007.7	83.0	78.1	76.0	30.5		79		2.8		1	0	0	0	0	0(a)	0	0	29
Comilla	0000	29	1008.1		1009.1	77.0	76.0	75.7	30.2		95		5.4		0	0	0	1	0	0	0	0	30
	0300		1010.2	—0.6	1011.2	83.1	77.8	76.0	29.7	—0.3	77	+1	4.3	+1.5	0	0	0	1	1	0	0	0	29
	1200		1006.9		1007.9	83.0	78.8	77.4	32.0		83		4.1		0	0	0	0	0	0	0	0	31
Brahmanbaria	0000	32	1008.4		1009.5	77.7	75.9	75.0	29.7		91		4.9		0	0	1	2	1	0	0	0	27
	0300		1010.1		1011.2	83.1	77.7	75.9	29.7	+0.5	77	+1	4.2		3	3	3	7	4	2	0	0	9
	1200		1006.7		1007.8	82.5	78.0	76.0	31.3		81		4.4		1	0	1	2	1	2	0	1	23
Srimangal	0000	69	1007.9		1010.4	75.7	73.3	72.8	27.1		88		4.2		0	1	0	0	1	1	0	0	28
	0300		1009.3	—0.6	1011.7	81.1	77.7	75.9	30.6	+2.2	85	+1	4.6	+1.4	0	2	0	2	2	0	0	0	25
	1200		1005.7		1008.1	79.5	77.3	76.5	30.8		91		3.8		0	0	0	0	0	0	0	0	31
Sylhet	0000	115	1005.2		1009.2	74.7	74.0	73.5	28.9		97		5.7		1	6	7	0	0	0	0	0	17
	0300		1007.0		1010.9	80.6	77.0	75.3	30.6		85		5.6		0	4	13	1	2	0	0	0	11
	1200		1003.6		1007.6	80.7	77.6	76.0	31.4		87		4.0		0	1	0	0	0	0	7	0	23
Dacca Division																							
Mymensingh	0000	62	1007.5		1009.6	76.4	74.5	74.1	27.8		91		3.4		0	0	2	1	0	0	2	0	26
	0300		1009.5	—0.5	1011.6	81.3	77.4	75.7	29.9	+1.1	83	+2	4.0	+0.5	0	1	17	2	0	1	3	0	7
	1200		1006.0		1008.1	82.9	77.8	75.4	30.5		79		3.9		0	0	5	4	0	0	3	0	19
Narayanganj	0000	26	1008.4		1009.3	78.3	76.5	75.8	29.7		91		5.3		0	0	3	0	4	0	0	1	23
	0300		1010.4	—0.5	1011.3	84.3	78.2	76.3	30.0	+0.9	75	—2	5.5	+2.1	2	2	8	2	2	3	3	3	6
	1200		1006.9		1007.8	83.1	77.5	75.1	29.7		77		5.9		0	0	7	0	4	1	1	0	18
Dacca (Tejgaon)	0000	27	1007.8		1008.7	76.5	75.7	75.2	30.2		96		5.0		3	2	0	4	3	3	1	1	14
	0300		1009.6		1010.5	83.5	78.0	75.5	29.7		77		5.1		3	4	3	2	3	3	6	4	3
	1200		1006.5		1007.4	81.5	77.3	75.5	29.9		82		5.4		0	2	3	4	2	2	1	2	15

(a) observation for 30 days.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF OCTOBER, 1958.

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 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										
Dacca Division																							
Faridpur	0000	46	1007.8		1009.4	77.9	76.7	76.4	30.9		95		4.9		5	2	2	2	4	0	0	0	16
	0300		1009.2	—0.6	1010.8	83.0	78.0	75.6	30.5	+1.3	79	+3	4.4	+2.0	9	3	2	4	4	1	3	1	4
	1200		1006.1		1007.7	82.8	78.2	76.4	31.3		81		5.2		1	1	2	4	5	1	0	0	17
Barisal	0000	11	1009.0		1009.4	78.5	76.8	77.0	31.5		93		2.0		1	0	2	0	0	0	0	0	28
	0300		1010.9	—0.1	1011.3	83.3	80.2	78.0	33.6	+3.4	79	0	3.7	+0.7	4	1	5	0	3	1	0	0	17
	1200		1007.3		1007.8	85.0	81.3	79.8	35.1		80		3.2		1	0	5	1	2	1	2	0	19
Rajshahi Division																							
Khulna	0000	16	1008.9		1009.4	77.8	76.4	76.0	30.5		93		2.8		0	1	0	0	0	0	0	0	30
	0300		1010.6	—0.6	1011.1	84.4	78.4	75.4	30.4	+1.9	75	+1	3.7	—0.3	0	4	1	0	2	0	0	0	24
	1200		1007.3		1007.8	83.1	77.7	75.4	29.7		77		3.3		0	1	0	2	2	0	0	0	26
Satkhira	0000	16	1009.1		1009.6	77.0	76.0	75.0	30.2		95		2.3		4	0	0	0	1	1	0	0	25
	0300		1012.8	+1.7	1013.3	84.0	79.0	77.0	31.6	+2.3	79	+1	2.6	—0.8	5	3	2	0	3	6	1	0	11
	1200		1007.5		1008.0	83.9	79.2	78.0	32.4		81		4.2		2	1	0	0	0	3	0	0	25
Jessore	0000	26	1008.1		1009.0	76.2	74.6	74.5	28.5		93		4.9		0	4	3	1	9	1	1	2	10
	0300		1009.8	—1.0	1010.7	81.6	78.1	76.6	31.7	+2.7	85	+7	4.2	+1.4	3	7	3	3	7	3	1	4	0
	1200		1007.1		1007.9	83.2	78.6	76.4	31.3		81		4.3		10	0	4	2	7	0	3	1	4
Pabna	0000	48	1007.0		1008.6	76.5	75.5	75.0	30.2		95		3.1		5	1	2	0	0	4	0	2	17
	0300		1008.8		1010.4	83.5	77.6	74.0	29.0	—0.4	75	—3	3.5		5	4	0	5	0 (a)	7	0	10	0
	1200		1005.7		1007.3	82.8	77.8	76.0	30.5		79		2.7		1	5	1	6	0	4	0	10	3
Serajganj	0000	† 51	1006.3		1008.0	76.4	75.7	75.4	29.2		98		4.5		0	0	0	0	3	0	0	1	27
	0300		1009.0		1010.7	83.0	78.2	76.0	30.8		79		4.0		3	0	0	2	2	1	0	2	21
	1200		1005.6		1007.3	81.3	77.1	75.1	29.6		83		3.4		0	0	1	0	4	0	0	0	26
Rajshahi	0300												4.0										
Bogra (P.B.O.)	0000	65	1006.8		1009.0	76.7	75.3	74.7	29.5		93		3.3		0	0	1	0	0	1	0	0	29
	0300		1008.6	—0.8	1010.8	82.3	77.6	75.5	30.2	+1.6	80	0	3.9	+1.3	5	2	3	3	1	11	0	1	5
	1200		1005.3		1007.5	83.4	77.8	75.3	29.7		77		3.9		2	1	1	5	0	3	1	0	18
Dinajpur	0000	123	1004.7		1009.0	75.2	73.9	73.0	27.5		93		2.0		0	0	0	0	0	0	0	0	31
	0300		1006.4	—1.1	1010.6	81.1	76.6	74.3	29.1	+1.6	80	—1	1.6	—1.0	0	0	0	0	0	0	0	0	31
	1200		1003.0		1007.2	83.6	78.1	75.2	30.8		77		1.9		0	0	0	0	0	0	0	0	31
Rangpur	0000					76.4	74.1	71.6	27.5		88		4.2		2	3	0	2	3	3	3	0	15
	0300					80.7	77.2	75.6	30.5		85		3.8		2	9	1	16	0	3	0	0	0
	1200					82.7	78.0	76.0	30.8		80		2.9		1	3	2	12	1	0	0	0	12

(a) Observation for 30 days.
(†) Hb. changed from 49' to 51' w.e.f. 10.10.58.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF OCTOBER, 1958.

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 P.B.O.	0000	702	985.3		1010.1	65.9	64.5	63.3	20.1		92		0.7		1	0	0	1	0	0	1	0	28
	0300		986.7	—0.1	1011.2	71.8	67.2	64.2	20.7	+4.8	78	+23	0.5	—0.1	1	1	0	2	0	0	3	0	24
	1200		984.5		1008.4	85.1	73.0	66.4	22.3		54		0.5		0	0	0	0	1	1	0	1	28
,, (Cantt.)	0000	703	984.7		1009.8	67.1	65.1	63.9	20.3		89		0.6		3	4	2	1	1	1	3	4	12
	0300		986.2	...	1010.8	72.3	67.7	64.9	21.1	—	78	...	0.5	...	4	3	4	3	4	1	2	4	6
	1200		983.8		1007.8	85.5	71.8	63.9	20.4		48		0.6		5	2	3	1	3	3	8	3	3
,, (Walton)	0000	699	(X)																				
	0300		986.7	...	1011.1	72.4	67.7	64.6	20.8	...	77	...	0.5		2	3	1	8	2	1	2	6	6
	1200		984.0		1007.7	86.4	72.3	64.7	20.7		48		0.5		2	0	0	7	1	1	4	11	5
Sialkot	0000	830	980.0		1009.0	67.5	63.7	61.1	18.5		79		0.2		0	0	0	0	0	0	0	0	31
	0300		982.1	—0.8	1010.9	73.4	66.9	62.6	19.6	+3.8	69	+7	0.5	+0.1	0	10	0	0	0	0	0	0	21
	1200		979.1		1007.2	84.9	71.2	62.8	19.8		49		0.5		0	2	0	0	0	0	0	3	26
RAWALPINDI																							
Jhelum	0000	765	983.0		1010.1	63.3	61.0	59.1	17.3		87		0.1		0	1	0	2	0	1	0	1	26
	0300		984.7	...	1011.4	69.9	63.4	58.5	17.3	...	68	...	0.4	...	1	2	0	0	0	2	2	10	14
	1200		981.6		1007.6	85.3	70.2	60.0	18.4		44		1.2		2	0	1	1	1	0	3	3	20
Chaklala	0000	1667	953.2		1011.6	60.5	56.9	54.1	14.3		80		0.4		6	9	0	0	0	0	2	5	9
	0300		954.6	...	1012.4	65.9	59.4	54.7	14.6	...	67	...	0.5	...	1	4	1	1	0	1	1	4	18
	1200		952.1		1007.7	83.8	64.9	51.9	13.4		34		1.2		0	0	1	3	0	1	17	4	5
Rawalpindi	0000	1676	X		x	60.4	57.0	54.0	14.5		80		0.3	...					*				
	0300		X	...	x	67.7	59.5	53.4	14.1	+1.3	61	+9	0.5	—0.4					*				
	1200		X		x	80.6	64.5	54.6	14.2		40		1.3						*				
Khushab	0000	616	988.9		1010.7	66.9	61.6	58.1	16.3		73		0.3		0	0	13	3	0	0	0	0	15
	0300		989.8	—0.4	(d) 1011.5	(d) 70.1	(d) 62.0	56.0	15.3	+1.9	61	+9	0.2	—0.4	0	3	7	1	0	0	0	0	20
	1200		987.2		1008.2	86.1	65.7	50.0	13.5		29		0.3		1	1	7	5	1	0	2	0	14
Sargodha (x)	0000	614																					
	0300																						
	1200																						
MULTAN																							
Lyallpur	0000	605	988.6		1010.0	66.8	62.9	60.7	18.1		79		0.3		0	2	1	3	1	2	1	0	21
	0300		989.6	—0.6	1011.2	68.4	63.7	60.8	18.1	+3.5	76	+21	0.6	—0.1	0	3	1	2	5	2	1	0	17
	1200		987.4		1008.2	87.7	70.6	58.3	17.9		40		0.5		0	1	0	2	5	3	2	1	17
Montgomery (x)	0000	558	988.5		1008.6	68.2	64.5	63.3	19.1		80		0.1		0	0	0	10	0	6	0	4	11
	0300		991.2	—0.3	1010.7	72.0	65.6	60.8	18.6	+2.3	69	+9	0.3	—0.1	0	0	0	0	0	1	0	1	29
	1200		989.2		1008.1	89.5	72.7	63.0	19.9		42		0.0		0	1	0	1	0	1	0	0	28
Multan (P.B.O.)	0000	404	995.1		1009.5	67.2	62.8	59.7	17.6		77		0.1		1	0	0	2	4	0	0	1	23
	0300		996.8	—	1011.0	72.9	65.9	61.2	18.6	...	67	...	0.1	...	1	1	0	6	3	2	1	1	16
	1200		993.9		1007.6	89.3	71.6	60.9	18.4		39		0.0		1	1	0	2	4	1	2	1	19
Multan	0300	413	996.8	+0.3	1011.3	75.5	66.4	60.1	17.9	+0.7	59		0.1	—0.3	2	3	0	5	0	1	0	0	20
	1200		993.3		1007.6	90.1	71.1	56.8	17.4		36		0.1		2	1	0	0	0	0	0	0	28

(x) Data not available. (d) Mean for 28 days. (*) Data rejected.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF OCTOBER, 1958.

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 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										
BAHAWALPUR																							
Lelah (z)	0000	490																					
	0300																						
	1200																						
Khanpur (Surface)	0300	297	1001.5	+0.6	1011.8	72.5	64.3	56.4	16.9	+2.5	63	+10	0.0	—0.2	3	1	1	2	5	6	5	0	8
	1200		998.3		1008.2	94.2	74.6	63.7	20.7		37		0.0		4	1	1	0	0	0	6	4	15
,, (P.B.O.)	0000	290	999.0		1009.4	66.1	61.8	58.4	16.9		77		0.1		0	2	0	0	2	7	0	0	20
	0300		1000.5	...	1010.8	73.9	65.8	60.3	18.0	...	63	...	0.3	...	1	2	0	2	1	10	5	0	10
	1200		997.5		1007.3	91.5	71.8	59.5	17.7		35		0.2		5	3	0	0	0	2	7	1	13
Bahawalpur	0300	384	997.5	—0.4	1010.7	75.9	67.7	62.5	19.4	+2.9	63	+8	0.0	—0.4	0	1	0	2	7	6	1	0	14
	1200		995.0		1007.9	90.6	*	*	*		*		0.2		1	2	0	0	1	10	1	4	12
Fort Abbas	(m) 0000	475	993.4		1010.2	64.8	60.0	56.2	15.6		75		0.0		0	4	0	3	0	10	(m) 1	0	0
	(m) 0300		995.8	...	1012.4	74.8	64.6	57.0	16.3	...	57	...	0.3	...	0	6	1	3	0	8	(m) 0	0	0
	(m) 1200		992.8		1008.9	91.0	67.9	52.7	13.0		28		0.4		0	9	0	1	0	8	(m) 0	0	0
PESHAWAR																							
Chakdara	0000	2197	934.7		1010.8	60.3	55.4	51.0	13.0		72		1.2		0	0	0	5	0	0	2	0	21
	0300		936.1	...	1011.8	62.1	55.7	50.6	12.6	...	66	...	1.6	...	0	0	4	5	0	0	0	0	22
	1200		932.6		1005.7	80.5	64.8	55.5	14.6		41		1.7		1	1	0	2	0	3	1	0	23
Peshawar	0000	1177	970.0		1011.3	64.4	57.2	50.2	12.7		61		0.4		3	1	0	1	3	9	5	0	9
	0300		971.4	—0.6	1012.5	67.5	59.4	52.9	13.7	+1.8	60	+8	0.4	—0.6	2	0	0	1	1	3	0	2	22
	1200		968.5		1008.2	83.2	66.5	54.3	14.7		38		1.4		2	11	1	4	0	0	0	0	13
Risalpur	0000	1009	976.0		1011.6	62.4	58.2	54.5	14.7		77		0.8		1	5	0	0	0	0	0	1	24
	0300		977.2	...	1012.5	67.3	58.3	54.5	12.6	...	55	...	0.9	...	1	0	0	2	0	2	5	5	16
	1200		974.2		1008.2	86.1	65.3	48.1	11.9		27		1.6		1	10	1	0	0	0	3	3	13
Haripur	0300	1757	951.2	...	1011.5	69.2	62.1	57.4	16.2	...	66	...	0.7	...	1	0	0	2	8	7	12	1	0
	1200		948.6		1007.3	82.7	*	*	*		*		1.1		0	2	0	6	1	12	5	5	0
Campbellpur	0300	1175	971.2	..	1012.1	68.1	*	*	*	...	*	...	0.4	...	2	3	2	2	0	1	0	1	20
	1200		968.5		1008.0	86.2	68.7	57.2	15.7		38		1.5		12	5	4	6	2	1	1	0	0
D. I. KHAN																							
Kohat	0000	1667	954.3		1011.6	68.7	59.7	56.7	13.7		58		0.3		1	0	0	0	0	0	3	24	3
	0300		955.5	...	1012.3	71.5	60.9	53.4	13.2	...	53	...	0.4	...	2	1	0	0	1	1	3	22	1
	1200		953.0		1008.4	84.9	67.0	55.9	15.2		37		1.4		2	5	1	7	3	2	2	1	8
Bannu	0000	1263	965.5		1009.5	65.2	58.4	53.3	13.6		63		0.0		0	0	0	0	0	0	0	0	31
	0300		965.9	...	1010.1	68.4	60.3	54.6	14.3	+2.0	60	+9	0.0	—0.6	0	1	1	0	0	0	5	5	19
	1200		964.1		1006.4	85.8	68.0	56.9	15.3		36		0.4		0	1	2	14	2	1	0	0	11
D. I. Khan	0000	570	*		*	67.5	60.8	56.6	15.4		67		0.0						*				
	0300		990.2	—1.2	1010.7	71.2	63.6	59.0	16.6	+1.3	64	+3	0.0	—0.5					*				
	1200		988.4		1008.2	90.2	71.7	61.5	18.2		37		0.1						*				

(m) Observation for 18 days. (z) Data not available.
(*) Data rejected.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF OCTOBER, 1958.

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 mb. or 850 mb. 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	*			*	*	*					0.0		1	3	1	3	0	3	0	2	18
	0300		995.3	+0.1	1011.0	68.5	58.1	48.3	12.1	+2.5	49	+15	0.0	—0.4	1	4	1	0	0	3	0	1	21
	1200		992.1		1006.9	97.3	68.9	46.5	10.9		18		0.0		0	2	0	5	4	16	0	1	3
KALAT (NORTH)																							
Nokkundi	0000	2229	935.6		1012.6	62.3	46.2	23.7	4.1		22		0.0		13	4	0	0	0	0	2	12	0
	0300		937.6		1014.4	64.9	48.3	25.3	4.9	—3.1	24	—20	0.0	—0.6	7	5	4	5	1	2	1	6	0
	1200		934.8		1012.1	88.7	58.9	25.3	5.2		10		0.0		6	1	5	6	3	2	3	5	0
KALAT (SOUTH)																							
Turbat*	0000	510																					
	0300																						
	1200																						
Jiwani	0000	185	1004.0		1010.4	72.7	70.0	68.4	23.8		87		0.9		3	1	3	0	1	2	4	0	17
	0300		1005.2		1011.7	75.6	71.1	68.1	24.0		79		1.7		5	4	3	1	3	1	5	0	9
	1200		1002.9		1009.2	85.6	72.4	63.7	21.2		50		0.5		0	0	0	3	10	13	5	0	0
Pasni	0000	28	1008.9		1009.9	70.6	67.1	64.4	21.1		83		0.2		7	0	0	0	0	0	4	5	15
	0300		1010.2	—1.0	1011.2	73.6	68.5	65.0	21.4	—0.3	76	—2	1.0	—0.7	3	2	0	1	0	0	5	6	14
	1200		1007.5		1008.4	86.1	77.1	72.7	27.7		65		1.2		1	0	1	1	9	13	2	3	1
Ormara	0000	15	1008.9		1009.4	73.7	71.0	69.3	24.7		88		1.1		0	0	1	1	0	2	9	0	18
	0300		1010.4		1010.9	75.6	71.6	69.5	24.6	+2.0	81	+2	1.5	—0.5	0	1	3	1	0	0	4	1	21
	1200		1007.6		1008.1	87.4	78.4	73.5	29.1		65		0.8		0	1	0	5	7	7	10	0	1
Lasbela	0000	292	*			*	*	*					*						*				
	0300		1001.3	—0.4	1011.2	81.6	70.6	63.6	20.6	+1.9	56	—6	0.0	—1.4	3	1	0	0	0	1	0	0	26
	1200		998.9		1008.6	96.7	75.5	63.7	20.5		35		0.0		1	0	1	4	3	7	1	0	14
FEDERAL CAPITAL AREA																							
Karachi (Manora)	0000	13	1008.3		1008.8	77.5	74.0	72.1	27.1		84		2.3		0	3	0	0	0	1	4	2	21
	0300		1010.0	—1.3	1010.5	79.6	75.6	73.7	28.4	+4.0	83	+3	2.1	+0.7	0	3	0	0	0	1	11	2	14
	1200		1007.6		1008.0	86.7	82.1	80.4	35.4		82		2.3		0	0	0	1	1	4	16	6	3
Karachi (Mauripur)	0000	52	1007.6		1009.4	75.5	71.5	72.8	34.6		81		1.0		5	3	1	0	1	0	8	3	10
	0300		1009.0		1010.8	77.3	71.8	72.2	24.2		75		2.3		7	4	1	0	0	1	7	4	7
	1200		1006.7		1008.4	87.4	76.6	71.4	26.4		59		1.8		0	0	0	0	5	15	7	3	1
Karachi (City)	0300	20	1009.6		1010.5	*	*						1.0		5	8	3	0	0	7	3	3	2
	1200		1009.2		1010.1	*	*						0.8		1	0	1	0	1	16	10	2	0
Karachi (P.A.F.)	0000	24	1008.5		1009.4	75.3	70.6	67.6	23.5		78		0.7		10	1	2	0	0	2	3	1	12
	0300		1009.8		1010.7	78.0	71.8	67.9	24.2		72		1.9		9	2	6	2	1	0	2	8	1
	1200		1007.1		1008.0	88.9	74.6	66.0	22.8		49		1.4		0	0	1	1	3	19	7	0	0
Karachi (Airport)	0000	73	1007.1		1009.7	74.4	69.3	65.8	22.1		76		0.6		1	1	0	0	0	0	4	2	23
	0300		1008.7		1011.3	77.5	70.7	66.5	22.6		70		2.5		1	1	0	0	0	1	5	0	23
	1200		1005.9		1008.4	89.0	72.6	61.5	19.9		43		1.9		0	2	0	2	5	12	8	1	1
HYDERABAD																							
Badin	0000	31	1007.6		1008.7	76.1	72.5	70.5	24.8		83		0.0		0	0	0	0	0	0	22	0	9
	0300		1009.4	—0.8	1010.5	77.7	73.8	71.7	26.7	+5.4	82	+14	0.1	—0.9	0	0	0	0	0	0	21	0	10
	1200		1006.3		1007.3	93.0	80.2	74.2	29.4		55		0.4		1	0	0	0	2	14	0	0	14
Nagarparkar	0000	178	1002.3		*	*	*	*					1.3		6	0	0	0	0	0	5	6	14
	0300		1003.0		1009.0	*	*						1.1		1	0	1	0	0	7	4	5	13
	1200		1000 6		1006.4	90.3	75.9	67.9	24.0		49		1.6		1	0	0	3	0	13	4	1	9

(*) Data rejected.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF OCTOBER, 1958.

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 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										
Umarkot	0000	55	1006.8		1008.7	73.2	68.9	66.1	22.2		79		0.2		0	2	2	1	3	5	0	1	17
	0300		1008.2		1010.1	75.8	70.3	66.7	22.8		75		1.0		1	1	3	1	4	4	0	0	17
	1200		1005.2		1007.1	93.8	73.5	61.7	19.0		35		0.9		1	0	3	2	4	8	5	4	4
Chhor	0000	19	1008.4		1009.1	70.4	66.9	64.6	20.9		82		2.3		1	2	0	0	0	4	1	0	23
	0300		1010.0		1010.7	76.8	69.7	65.1	21.6		69		2.5		3	2	1	1	2	11	1	0	10
	1200		1006.8		1007.4	89.3	72.0	59.4	19.0		40		2.1		1	2	2	2	2	15	3	1	3
Hyderabad	0000	98	1005.5		1009.0	73.6	67.4	63.3	20.1		71		0.6		6	0	0	0	5	10	1	0	9
	0300		1007.2	—0.5	1010.6	77.8	69.3	63.6	20.6	+2.1	63	+2	1.6	+1.1	5	1	1	0	4	10	0	1	9
	1200		1004.3		1007.6	93.1	71.1	56.3	16.0		30		1.8		5	1	3	0	8	12	1	0	1
KHAIRPUR																							
Padidan	0000	153	1003.4		1008.8	67.7	62.5	58.4	17.4		74		0.2		3	6	2	10	3	1	0	1	5
	0300		1005.3		1010.6	72.2	64.7	59.3	17.3		69		0.5		0	4	0	11	6	0	0	6	4
	1200		1002.4		1007.6	94.4	69.6	51.7	12.9		24		0.9		3	3	0	3	6	1	3	9	3
Nawabshah	0000	124	1004.9		1009.4	69.4	63.1	58.2	16.9		68		0.1		4	1	0	1	10	1	0	1	13
	0300		1006.4		1010.8	74.2	66.3	61.0	18.5		63		1.6		5	0	0	2	14	1	0	1	8
	1200		1004.1		1008.3	94.9	69.8	51.9	13.5		24		1.3		3	1	0	1	13	6	0	4	3
Sukkur	0300	221	1002.7	—0.7	1010.4	74.7	66.8	61.7	19.0	+1.4	64	+5	0.5	+0.3	1	1	1	4	0	3	1	0	20
	1200		(b) 999.9		1007.4	92.0	71.5	58.9	17.1		33		(b) 0.6		7	2	(b) 1	0	0	1	9	5	4
Kashmore*	0000	255																					
	0300																						
	1200																						
Jacobabad*	0000	183	1002.9		1009.4	68.1	61.1	55.7	15.3		65		0.0		4	0	12	7	5	0	0	0	3
	0300		1004.5	0.0	1010.9	73.7	64.2	57.9	16.2	—0.2	57	+3	0.4	+0.1	0	5	3	11	3	0	0	2	7
	1200		1001.2		1007.4	94.6	68.0	47.6	11.4		21		0.3		1	0	0	11	8	5	2	3	1
JUNAGADH																							
Veraval (R)	0000	26																					
	0300																						
	1200																						
AFGHANISTAN																							
Jalalabad (x)	0300	1950																					
	1200																						
ARABIA																							
Muscat	0300	20	1010.7		1011.4	80.5	72.6	68.2	23.6		67		0.5	—0.1	0	1	1	0	9	0	3	4	22
	1200		1009.0		1009.7	85.3	77.2	73.3	28.1		68		0.2		1	2	17	1	0	0	1	6	3
HILL STATIONS																							
KASHMIR																							
Srinagar (x)	0000	5205																					
	0300																						
	1200																						

(*) Data rejected. (R) Register not received. (x) Data not available. (m) Mean for 18 days. (b) Mean of 29 days.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF OCTOBER, 1958.

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										
Gulmerg (x)	0300	8709																					
	1200																						
Gurez (x)	0300	...																					
	1200																						
Sonmag (x)	0300	...																					
	1200																						
Dras (x)	0300	10059																					
	1200																						
Kargil (x)	0300	...																					
	1200																						
Leh (x)	0000	...																					
	0300																						
	1200																						
Skardu (x)	0000	7250																					
	0300																						
	1200																						
Mirpur	0000	10190	*		*	*	*	*	*		*		3.2		0	0	0	0	0	0	0	0	31
	0300		699.1	...	309.5*	38.5	30.9	19.6	3.6	...	50	...	2.6	...	0	0	1	0	0	0	1	0	29
	1200		698.4		308.4*	49.2	37.4	20.8	3.9		34		3.7		0	0	11	0	0	0	14	0	6
Allahabad (x)	0300	6850																					
	1200																						
Gilgit (x)	0000	4950																					
	0300																						
	1200																						
RAWALPINDI																							
Murree	0000	7113	*		*	51.4	44.6	37.0	7.7		58		0.8		0	1	0	4	0	0	0	26	0
	0300		786.2	—1.0	151.2*	54.9	46.4	37.2	7.7	+0.6	52	+6	1.0	—0.1	2	2	5	3	1	0	7	4	7
	1200		*		*	59.5	51.1	43.7	9.9		56		1.5		1	1	1	5	0	0	3	14	6
PESHAWAR																							
Drosh	0000	4806	855.7		15200	56.7	47.9	37.9	7.8		50		1.7		0	2	1	3	0	2	0	0	23
	0300		856.6	—1.3	152.9*	56.2	47.4	37.0	7.6	−0.3	49	—8	2.2	+0.8	0	1	3	0	0	0	0	0	27
	1200		853.0		149.4*	70.8	52.3	30.3	6.0		23		3.6		0	1	2	6	0	18	0	0	4
Chenar	0000	4272	*		*	61.4	53.2	45.5	10.5		57		0.6		7	1	0	9	13	0	1	0	0
	0300			*	*	64.1	54.0	43.9	10.2	+1.3	50	+2	0.4	−0.5	9	1	0	9	10	0	0	1	1
	1200		*		*	70.5	58.1	49.1	11.5		47		1.3		11	3	0	4	11	0	0	0	2
Kakul	0000	4214	871.8		14988	58.9	51.6	44.4	10.1		59		1.0		11	4	2	0	0	2	0	12	0
	0300		873.2	...	151.2*	63.1	54.2	45.9	11.1	...	56	...	1.3	...	3	2	2	2	2	3	5	12	0
	1200		871.6		15800	71.6	58.1	47.1	11.1		42		3.2		1	0	0	8	9	4	1	8	0
Balakot (R)	0000	3226	x		x	54.8	51.6	48.6	11.7		81		1.4		3	0	0	1	1	1	1	2	22
	0300		x	...	x	56.9	52.6	48.9	11.8	...	73	...	1.8		1	0	0	0	0	0	1	1	28
	1200		x		x	72.6	61.9	55.3	14.6		54		2.1		4	0	1	0	0	1	0	3	22
Landikotal	0000	3503	*		*	58.0	53.6	48.2	12.3		74		0.4		5	5	0	0	0	0	0	0	21
	0300		894.4	...	149.9*	65.4	57.0	47.7	12.5	...	58	...	0.3	...	1	1	0	0	1	0	0	0	28
	1200		892.8		149.2*	76.6	62.7	50.0	13.8		44		1.3		8	8	0	3	4	0	0	0	8

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

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF OCTOBER, 1958.

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 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										
D. I. KHAN																							
Parachinar	0000	5673	826.3		149[illegible]	51.4	44.7 (a)	37.8 (a)	7.7		60		0.0		15	4	0	0	0	0	0	2	10
	0300		827.4	—1.5	150[illegible]	55.1	47.0	38.8	8.1	+1.1	55	+10	0.8	—0.1	1	1	0	0	0	0	0	1	28
	1200		825.6		147[illegible]	70.3	52.0 (a)	33.8 (a)	6.7		25		2.1		0	1	8	17	0	0	0	0	5
Miranshah	0000	3026	909.0		149[illegible]	64.4	54.9	44.6	10.9		53		0.1		0	3	0	0	0	0	0	0	28
	0300		910.1	...	150[illegible]	68.0	55.7	45.2	10.5	+3.3	43	0	0.0	—0.5	0	4	0	0	0	0	0	1	26
	1200		908.0		149[illegible]	80.5	61.1	45.5	11.2		30		0.3		0	21	3	0	0	0	0	0	7
Wana	0300	4503	863.7	...	150[illegible]	55.0	45.2	31.5	8.4	+1.9	42	—4	0.1	—0.2	0	0	0	0	2	2	0	0	27
	1200		860.9		148[illegible]	77.6	55.1	29.6	6.2		18		0.3		0	0	4	11	7	3	0	1	5
QUETTA																							
Fort sandeman	0300	4614	861.5	+0.4	1519.2	61.1	49.2	37.7	7.1	+1.2	38	—11	0.0	—0.6	2	0	0	0	0	1	2	0	26
	1200		858.9		1496.3	81.2	58.2	38.0	7.3		20		0.4		0	3	1	3	2	4	6	5	7
Hindubagh	0000	5909	821.5		1515.7	49.4	39.0	23.7	4.4		37		0.0		0	0	0	0	0	0	24	1	6
	0300		822.5		1523.6	53.9	42.2	28.1	5.0		36		0.0		1	0	0	0	1	0	17	2	10
	1200		820.4		1488.2	76.1	57.4	42.5	10.0		31		0.1		0	0	1	0	2	2	22	0	4
Loralai	0000	4699	856.7		1497.0	51.6	41.9	26.2	5.1		40		0.0		0	0	0	0	1	8	12	9	1
	0300		857.7		1506.0	53.8	43.5	27.5	5.5		39		0.1		0	0	0	0	0	6	7	18	0
	1200		855.2		1484.0	76.3	57.9	38.8	9.0		28		0.5		0	0	0	19	5	5	1	1	0
Harnai	030 0												0.2		8	0	0	0	0	0	23	0	0
	1200												0.2		0	0	14	0	15	0	2	0	0
Quetta (Samungli)	0000	5213	842.3		1512.5	38.3	31.7	19.7	3.7		47		0.0		0	0	14	6	0	0	0	0	11
	0300		843.3		1521.1	45.4	36.0	21.1	3.9		38		0.2		0	1	9	6	0	0	0	0	15
	1200		840.8		1491.5	75.4	49.9	15.1	3.2		10		0.2		2	0	0	0	0	0	12	17	0

(a) Mean for 30 days.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF OCTOBER, 1958.

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										
Quetta	0300	5490	833.6	—2.5	1505.1	61.2	50.6	40.5	8.8	+2.7	48	—1	0.0	—0.5	7	0	0	0	1	2	0	2	19
	1200		831.8		1481.1	74.9	56.8	40.1	9.4		32		0.0		7	0	0	1	1	6	1	12	3
Chaman	0000	4311	870.2		1507.1	57.1	49.1	40.5	8.7		54		0.0		0	31	0	0	0	0	0	0	0
	0300		871.5	0.0	1523.6	62.5	53.0	43.0	10.1	+4.1	52	+19	0.0	—0.6	0	5	0	14	0	0	0	0	12
	1200		869.3		1509.2	78.3	63.8	52.8	14.2		43		0.0		1	0	0	0	0	7	8	10	5
KALAT (North)																							
Kalat	0000	6616	801.3		1528.4	41.3	33.5 (a)	17.7 (a)	3.6		41		0.0		0	0	0	0	20	1	0	1	9
	0300		802.6	+0.2	1535.9	50.4	39.0	21.9	3.9	—2.0	33	—12	0.0	—0.4	0	0	0	3	22	0	0	0	6
	1200		801.1		1502.2	69.1	48.2	22.9	3.9		17		0.2		10	0	0	0	0	2	2	16	1
Nushki	0000	3416	902.9		1552.2	60.2	47.9	33.0	6.5		36		0.0		8	12	8	1	1	0	0	1	8
	0300		903.1		1554.5	64.8	47.9	23.0	4.6		22		0.0		7	18	4	1	0	0	0	1	0
	1200		901.4		1555.3	85.1	55.6	15.6	3.3		07		0.0		10	1	0	0	1	5	2	12	0
Dalbandin	0000	2785	917.8		1484.8	54.5	42.8	25.5	4.7		32		0.1		1	10	2	3	1	0	3	1	10
	0300		919.4	+0.4	1500.7	55.9	43.2	23.5	4.3	—1.5	29	—9	0.2	—0.4	3	9	0	2	0	2	0	1	14
	1200		916.5		1511.2	86.5	59.6	32.9	6.6		15		0.2		0	5	1	8	3	7	2	2	3
KALAT (South)																							
Panjgur	0000	3177	905.8		1492.5	56.7	48.4	33.4	6.8		45		0.0		3	28	0	0	0	0	0	0	0
	0300		906.7	+0.3	1506.0	58.0	46.2	29.4	5.6	—2.2	36	—10	0.0	—0.4	1	24	5	0	0	0	0	1	0
	1200		904.3		1517.0	83.8	60.3	39.0	8.5		23		0.0		9	1	0	1	0	4	1	15	0
AFGHANISTAN																							
Kabul (R)	0300	5955																					
	1200																						
Kandahar	0300	3462	900.7	...	153.5*	49.8	43.6	35.6	7.1	...	60	...	0.2	...	0	0	0	0	3	0	0	0	28
	1200		898.4		152.9*	75.0	58.3	44.0	9.9		34		0.1		0	0	0	0	1	8	1	1	20

(R) Register not received

(a) Mean for 30 days.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF OCTOBER, 1958.

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 DIVISION																					
Cox's Bazar (P. T.)	89.3	+2.2	94	8	76.1	+2.5	71	30	6.77	—0.39	3.06	24	9	+1.5	0.1	—1.6	8				
Chittagong (Patenga)	88.2		95	7	76.5		71	28,30	5.93		1.91	24	7		x		8				
Chittagong	88.8	+1.9	94	7	76.0	+2.6	71	28,30	5.57	—1.52	1.57	4	8	+1.0	2.3	—0.8	5				
Maijdee Court	87.3	+0.7	93	7	76.6	+1.0	69	24,25	8.79	+0.66	4.40	24	8	+0.3	x		1				
Comilla	89.4	+1.2	95	6	75.9	+2.5	69	28	20.03	+13.31	10.10	24	7	+0.4	x		4				
Brahmanbaria	88.3	—0.9	93	7,23	77.2	+3.0	71	28	8.37	+2.03	2.98	24	9	+2.1	2.3		3				
Srimangal	88.8	+0.2	95	7	72.7	+2.5	66	30	10.57	+3.51	4.00	25	9	+0.9	0.5	—1.2	16				
Sylhet	87.0		95	7	74.3		66	28	15.33		4.68	13	10		x		13		6		
DACCA DIVISION																					
Mymensingh	88.3	+1.2	93	7	75.3	+1.4	66	29	5.33	—0.99	2.80	11	6	—0.1	0.8	—0.1	2				
Narayanganj	90.3	+2.1	95	7	77.6	+2.3	70	28,29	7.71	+2.44	1.88	24	7	+1.0	1.7	+0.2			1		
Dacca (Tejgaon)	88.5		93	7,8	75.8		66	29	8.24		2.96	14	9		2.8		7		4		
Faridpur	88.7	+1.4	93	7,8	76.5	+2.4	69	28	11.05	+6.20	5.13	13	7	+1.4	2.6	+0.6	5				
Barisal	89.7	+2.1	93	7	78.4	+3.5	73	29	7.38	+1.24	5.85	24	5	—1.9	x						
RAJSHAHI DIVISION																					
Khulna	89.3	+1.2	93	4,9,26	77.3	+2.3	71	28,29	3.44	—0.82	1.00	5	6	—0.2	1.7	0.0					
Satkhira	90.0	+0.3	96	13	76.3	+2.2	68	28	4.76	+0.26	1.94	14	7	+1.3	1.4	+0.4					
Jessore	90.3	+1.3	96	6	74.0	+1.5	65	28	2.02	—2.57	1.04	14	6	+0.2	2.6	+1.4					
Pabna	89.8	—0.5	94	7	76.1	+3.7	67	29	8.47	+4.08	3.40	21	5	—0.5	x		2				
Serajganj	89.3		93	7	76.1		69	27,28,29	1.95	—2.76	0.65	21	5	—0.2	1.5		3		1		
Rajshahi									3.82	+0.05	1.70	21	6	+1.5							
Bogra (P.B.O.)	89.9	+1.1	93	12	75.7	+2.6	67	27,28,29	3.24	—1.89	1.66	11	5	—0.5	1.7	+0.6	4		2		
Dinajpur	89.9	+2.5	93	9	74.6	+2.5	65	27	4.02	—0.73	1.72	11	4	—0.5	0.0	—1.2					
Rangpur	88.2		92	8	74.5		65	27	2.83	—2.99	1.28	12	5	+0.5	1.8				5		

(x) Data not available.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF OCTOBER, 1958.

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.	Visibility Code Figure 93 or less: Hail.	Fog.	Haze (dust).	Dust Storm.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
KASHMIR																					
Jammu (x)																					
LAHORE																					
Lahore (Jail Rd.)	89.1	−4.9	94	5,7	65.1	+5.3	56	4 days	0.53	+0.29	0.43	20	2	+1.5	1.1	+0.1	1	0	0	0	1
,, (Cantt.)	88.3	—	93	7,20	65.3	—	57	4 days	0.72	—	0.42	20	2	—	2.6	—	1	0	0	0	0
,, (Walton)	89.9	—	95	5 days	65.7	—	57	25,28	1.17	—	0.95	20	2	—	3.2	—	1	0	0	0	0
Sialkot	90.5	−0.9	95	6	65.6	+3.5	56	23,24	0.13	−0.21	0.13	1	1	+0.2	1.4	+0.3	0	0	0	0	0
RAWALPINDI																					
Jhelum	90.9	—	95	4,6	61.8	—	51	24	0.02	—	0.02	20	0	—	1.4	—	1	0	0	0	0
Chaklala	86.9	—	93	6	58.9	—	49	24	0.26	—	0.25	20	1	—	4.0	—	2	1	0	0	1
Rawalpindi	87.2	−1.4	93	6,7,8	59.5	+2.5	50	24	0.62	+0.02	0.33	19	2	+0.6	*	—	2	0	0	0	0
Khushab	91.0	−2.6	99	5,6	64.0	+0.6	53	28	0.22	+0.07	0.22	20	1	+0.6	2.6	−0.3	0	0	0	0	1
Sargodha (x)																					
MULTAN																					
Lyallpur	92.3	−0.9	97	6,7,12	65.0	+2.6	55	28	0.63	+0.51	0.63	20	1	+0.6	1.8	+0.4	1	0	0	0	1
Montgomery	93.2	−1.8	99	6,7	65.2	+1.7	56	26,28	0.00	−0.08	0.00	—	0	−0.3	1.3	−1.0	0	0	0	0	0
Multan (P.B.O.)	94.3	—	100	6	64.6	—	55	26,30	0.00	—	0.09	—	0	—	(h) 2.1	—	0	0	0	0	1
,, (Surface)	94.8	+0.4	100	4 days	68.0	+4.3	59	26,30	0.00	−0.08	0.00	—	0	−0.2	0.2	−0.9	0	0	0	0	1
BAHAWALPUR																					
Leiah (x)																					
Khanpur (Surface)	97.8	+0.9	103	5	*	—	—	—	0.00	−0.02	0.00	—	0	−0.1	3.1	−0.5	0	0	0	0	0
,, (P.B.O.)	95.2	-	101	5	63.9	—	52	26	0.00	—	0.00	—	0	—	3.3	—	0	0	0	0	1
Bahawalpur	(a) 98.4	+2.8	102	6	(m) 67.5	+5.0	58	25	0.00	−0.06	0.00	—	0	−0.2	2.2	+0.2	0	0	0	0	0
Fort Abbas	(m) 95.2	—	103	14	(m) 62.5	—	54	26	(m) 0.00	—	0.00	—	0	—	*	—	0	0	0	0	0
PESHAWAR																					
Chakdara	84.2	—	91	5	56.8	—	49	23	0.20	—	0.20	11	1	—	(x)	—	6	0	0	0	0
Peshawar	87.6	−0.2	94	6	62.5	+2.0	51	24	0.05	−0.18	0.05	19	0	−0.6	2.2	+1.1	3	0	0	0	2
Risalpur	89.8	—	97	6	59.6	—	47	29	0.25	—	0.25	19	1	—	1.9	—	4	0	0	0	0
Haripur	87.2	—	98	9	60.6	—	54	25,26	0.00	—	0.00	—	0	—	*	—	0	0	0	0	0
Campbellpur	*	—	—	—	46.3	—	36	31	0.41	—	0.26	19	2	—	2.3	—	0	0	0	0	0
D. I. KHAN																					
Kohat	89.1	—	95	4 days	67.2	—	57	20	0.06	—	0.03	19,20	0	—	4.7	—	5	0	0	0	0
Bannu	88.4	−2.2	95	6,8	(a) 63.8	+1.9	55	20	0.00	−0.04	Trace	20	0	−0.1	0.5	—	0	0	0	0	0
D. I. Khan	93.1	−0.2	99	6,7	63.6	+1.9	52	23	0.09	−0.02	0.09	20	0	−0.3	*	—	0	0	0	0	0

(x) Data not available. (h) Mean for 23 days. (*) Data rejected. (m) Mean for 18 days. (a) Mean for 30 days.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF OCTOBER, 1959.

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 Figures 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
QUETTA																					
Sibi	100.0	+2.4	106	11	66.0	+0.5	58	31	0.00	0.00	0.00		0	0.0	1 3	—1.0	0	0	0	0	0
KALAT (NORTH)																					
Nokkundi	91.2	—1.0	99	6	58.4	—1.7	47	24	0.00	0.00	0.00		0	0.0	x		0	0	0	0	0
KALAT (SOUTH)																					
Turbat	*				*				0.00		0.00		0				0	0	0	0	0
Jiwani	91.2		103	12	70.4		67	25,26,27	0.00		0.00		0		5.3		0	0	3	0	0
Pasni	92.6	+2.1	102	1	67.9	+0.6	59	25	0.00	0.00	0.00		0	0.0	6.1	+1.0	0	0	1	0	0
Ormara	91.5	+2.3	104	10	70.4	—0.4	60	24	0.00	0.00	0.00		0	0.0	6.1	—1.2	0	0	0	0	0
Lasbela	101.9	+2.2	108	9,11,12	68.0	+4.7	57	31	0.00	—0.01	0.00		0	0.0	1.9	0.0	0	0	0	0	0
FEDERAL CAPITAL AREA																					
Karachi (Manora)	88.7	+1.4	96	12	76.2	+2.5	72	27,31	0.00	—0.02	0.00		0	—0.1	x		0	0	0	0	0
Karachi (Mauripur)	91.1		102	12	73.4		66	28,31	0.00		0.00		0		x		1	0	0	0	0
Karachi (City)	91.8		104	10	74.2		65	29,31	0.00		0.00		0		3.2		0	0	0	0	0
Karachi (P.A.F.)	93.5		103	9,10,12	73.5		63	29	0.00		0.00		0		6.4		0	0	0	0	0
Karachi (Airport)	93.6		103	9	72.5		60	31	0.00		Tr	41	0		4.1		0	0	0	0	0
HYDERABAD																					
Badin	95.7	—0.3	102	10	73.7	+3.8	67	28,31	0.35	+0.32	0.35	14	1	+0.9	1.7		0	0	0	0	0
Nagarparkar	94.7		100	11	75.6		69	30	2 95		2 20	14	2		2.9		0	0	0	0	0
Umarkot	97.7		103	11	71.1		62	28	0.00		0.00		0		2.5		0	0	0	0	0
Chhor	96.6		102	9,11	69.1		58	27,28,31	0.00		0.00		0		2.3		0	0	0	1	0
Hyderabad	97.7	—0.1	105	20	73.0	+2.8	63	28	0. 00	—0.03	0.00		0	—0.1	4.1	—0.3	0	0	0	0	0
KHAIRPUR																					
Padidan	97.7		103	19	65.7		55	29	0.00		0.00		0		4.2		0	0	0	0	0
Nawabshah	98.2		105	4	67.4		58	28	0.00		0.00		0		4.1		1	0	0	1	0
Sukkur	95.9	—0.1	101	2,3	70.2	+1.3	61	30,31	0.00	—0.01	0.00		0	0.0	1.6	—0.9	0	0	0	0	1
Kashmore	*				*				0.00		0.00		0		*		0	0	0	0	0
Jacobabad	97.2	—0.3	102	13	65.9	+0.3	57	29,30	0.00	—0.03	0.00		0	—0.1	3.9	+1.1	0	0	0	0	0
JUNAGADH																					
Veraval (R)																					
AFGHANISTAN																					
Jalalabad (x)																					
ARABIA																					
Muscat	89.3	—1.7	94	9	78.5	—1.4	71	31	0.00	—0.14	0.00		0	—0.2	2.8	0.0	0	0	0	0	0
HILL STATIONS																					
KASHMIR																					
Srinagar (x)																					
Gulmarg (x)																					
Gurez (x)																					
Sonemarg (x)																					
Dras (x)																					
Kargil (x)																					
Leh (x)																					
Skardu (x)																					

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

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF OCTOBER, 1959.

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
KASHMIR—*(continued)*																					
Misgar	57.3	—	69	1	32.5	—	27	29	0.04	—	0.02	15	0	—	3.2	—	0	0	0	0	0
Aliabad (x)																					
Gilgit (P.B.O.) (x)...																					
RAWALPINDI																					
Murree	64.8	—2.8	70	20	49.0	—0.3	38	20	2.71	+1.15	1.69	20	3	+0.3	4.5	+0.9	4	2	1	0	0
PESHAWAR																					
Drosh	80.0	+3.3	93	2	54.1	+0.9	44	20,22	1.58	+0.31	0.46	13	4	+0.9	3.4	+1.4	6	0	0	0	0
Cherat	76.5	—0.1	84	5,7,9	58.8	+0.4	49	20	0.50	—0.06	0.40	20	2	+0.7	4.8	—0.3	0	0	0	0	0
Kakul	77.5	—	84	9	57.9	—	48	20,21	1.83	—	1.21	20	3	—	(x)	—	4	0	0	0	2
Balakot	81.1	—	86	5,7,9	53.2	—	49	4 days.	1.32	—	0.69	20	3	—	2.7	—	2	0	0	0	0
Landikotal	80.3	—	89	5,6	54.8	—	45	24	0.23	—	0.27	21	1	—	1.5	—	2	0	0	0	0
D. I. KHAN																					
Parachinar	76.4	+2.2	83	29	*	—	—	—	0.89	—0.06	0.72	21	1	—1.5	2.6	+0.4	8	1	0	0	0
Miransahah	84.0	+0.4	89	6	60.1	+1.8	51	20,26	0.00	—0.03	0.00	—	0	0.0	(b) 2.6	—1.3	0	0	0	0	0
Wana	81.1	+1.1	88	7	48.4	+1.4	39	29	0.02	—0.10	0.02	20	0	—0.3	1.0	—	1	1	0	0	0
QUETTA																					
Fortsandeman	84.5	+1.9	92	6	54.1	+1.2	46	28	0.00	—0.10	0.00		0	—0.2	2.1	+0.8	0	0	0	0	0
Hindubagh	79.0		87	5	46.2		37	29,31	0.00		0.00		0		5.1		0	0	0	0	0
Loralai	81.3		88	7	46.3		39	24,29,30	0.00	—0.11	0.00		0	—0.3	3.3		0	0	0	0	0
Harnai									0.00	—0.23	0.00		0	—0.4	x		0	0	0	0	0
Quetta (Samungli)	78.0		85	5,6	36.7		26	27	0.00		0.00		0		(f) 3.1		0	0	0	0	0
Quetta	x				44.1		37	1	0.00		0.00		0		2.3	+0.8	0	0	0	0	0
Chaman	81.3	+1.5	88	5,6	52.5	—1.0	43	23	0.00	—0.16	0.00		0	—0.2	x		0	0	0	0	0
KALAT (NORTH)																					
Kalat	74.8	—0.5	83	4	38.5	—2.5	27	23	0.00	—0.09	0.00		0	—0.2	4.7	+0.9	0	0	0	0	0
Nushki	86.5		94	6	56.0		47	23	0.00		0.00		0		x		0	0	0	0	0
Dalbandin	89.0	0.0	98	6	50.7	—0.2	40	24	0.00	—0.02	0.00		0	—0.1	2.4	—0.2	0	0	0	0	0
KALAT (SOUTH)																					
Panjgur	88.7	+1.5	95	7	54.0	—1.4	44	25	0.00	—0.01	0.00		0	—0.1	4.2	+0.6	0	0	0	0	0
AFGHANISTAN																					
Kabul (R)																					
Kandahar	79.4	—	88	6	44.6	—	36	26	0.00	—	0.00	—	0	—	0.7	—	0	0	0	0	0

(x) Data not available. (R) Register not received. (f) Mean for 25 days. (b) Mean for 29 days. (*) Data rejected.

REGD. No. S - 1452

PAKISTAN WEATHER REVIEW, 1958

MONTHLY WEATHER REPORT

November

(PUBLISHED BY THE AUTHORITY OF THE GOVERNMENT OF PAKISTAN)

Chief features:

1. A cyclonic storm between the 7th and the 10th in the Bay of Bengal.

2. Another cyclonic storm from the south Bay of Bengal emerged into east central Arabian Sea on the 24th and affected northeast Arabian Sea in the last week.

3. Cold wave in Quetta division in the second week.

West Pakistan

Two western disturbances moved across the northern parts of the province in the later part of the first fortnight. These caused local to fairly widespread thunderstorms or showers in Peshawar, Rawalpindi and Lahore Divisions and scattered in Bahawalpur Division on the 12th and mainly scattered rainfall in the first named division on the 10th and the 11th and in Lahore Division on the 13th. The passage of these disturbances was accomanied by influx of cold air into Quetta Division where unusually cold weather was experienced and Quetta (Samungli) recorded the lowest minimum temperature of 12°F on the 12th.

Thereafter three feeble western disturbances moved in close succession across the north of the province during the third week. Under their influence scattered thundershowers occurred in Peshawar Division on the 15th and the 20th, in Rawalpindi Division on the 16th, in Quetta Division on the 17th and the 18th and in north Kalat Division on the 17th. A few falls of light rain or drizzle also occurred sporadically in some of the northern divisions and also in Quetta and north Kalat Divisions between the 15th and the 19th while a few dust or thunderstorms occurred in the southern half of the province on the 17th.

A cyclonic storm which formed in the south Bay of Bengal moved westwards and weakened while crossing the Peninsula. It however emerged as a depression in the east central Arabian Sea on the 24th. It moved subsequently in a northwesterly direction and finally weakened into a trough of low off Kathiawar coast by the 29th. It caused scattered rainfall in Hyderabad Division on the 28th and a few falls of light rain or drizzle in the Federal Capital Area and Hyderabad and Khairpur Divisions between the 27th and the 29th.

Chief amounts of rainfall recorded during the month were:— Drosh 1-1/2" on the 11th, Drosh, Haripur and Kakul 1" each on the 12th and Nagarparkar 1-1/2" on the 28th.

The total rainfall during the month was in large excess in Peshawar Division, in moderate excess in Lahore Division, in moderate defect in Quetta and Kalat Divisions and in large defect elsewhere. Averaged over the region it was normal.

The mean maximum temperatures were above normal in the Federal Capital Area, below normal in Lahore and Kalat Divisions and normal over the rest of the region.

The mean minimum temperatures were above normal in Lahore, Multan, Bahawalpur and Hyderabad Divisions and the Federal Capital Area and normal elsewhere.

The mean relative humidity was in defect in Quetta Division, and normal elsewhere except in Lahore, Rawalpindi and Multan Divisions, where it was in excess.

The mean cloud amount was in defect in Kalat Division, normal in Quetta and Hyderabad Divisions and the Federal Capital Area and in excess elsewhere.

East Pakistan

A depression which formed in the southeast Bay of Bengal at the end of the previous month moved northwestwards and weakened into a low off the Coromandal-Circars Coast by the 3rd. Under its influence scattered thunderstorms or showers occurred over the region on the 1st and 2nd.

Another depression formed in West Central Bay of Bengal on the 6th evening; while moving northeastwards it concentrated into a cyclonic storm on the 7th night. Subsequently, it moved in an easterly direction, weakened rapidly and lay as a trough of low pressure in the north Bay of Bengal on the 10th. It caused only scattered light rain in Chittagong and Rajshai Divisions between the 7th and the 9th.

Thereafter during the rest of the month two westerly low pressure waves moved across the north of the region and caused scattered rain in Rajshahi Division on the 25th and in Chittagong Division on the 30th.

Chief amounts of rainfall were:—Cox's Bazar 1/2" on the 9th, Sylhet 3/4" and Rangpur 1/2" on the 30th.

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

The mean maximum and mean minimum temperatures were above normal over the region, except in Chittagong and Rajshahi Divisions where the mean maximum temperature was normal.

The mean relative humidity and the mean cloud amount were normal over the region outside Dacca Division where the mean cloud amount was in excess.

Table I contains the divisional means of rainfall, temperature, humidity and cloud amount for the 15 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, 1958.

Division	PRECIPITATION				DEPARTURE FROM NORMAL OF				
	Actual	Normal	Departure from normal	Percentage departure from normal	Maximum temperature	Minimum temperature	0300 hrs. G. M. T.		
							Vapour pressure	Relative humidity	Cloud
1	2	3	4	5	6	7	8	9	10
	"	"	"		°	°	Mb.	%	
EAST PAKISTAN									
Chittagong	0.13	1.78	—1.65	—93	+1.4	+2.1	0.0	—5	—0.4
Dacca	0.00	1.12	—1.12	—100	+2.0	+3.1	+1.1	—2	—0.4
Rajshahi	0.15	0.70	—0.55	—79	+1.6	+2.9	+2.2	+1	—0.3
Mean	0.10	1.16	—1.06	—91	+1.6	+2.7	+1.2	—1.7	—1.3
WEST PAKISTAN									
Kashmir (x)									
Lahore	0.19	0.13	+0.06	+46	—2.0	+3.4	+1.7	+7	+0.7
Rawalpindi	0.17	0.36	—0.19	—53	—0.2	+0.8	+0.9	+10	+0.6
Multan	0.01	0.07	—0.06	—86	+0.2	+2.7	+0.4	+7	+0.2
Bahawalpur	0.00	0.12	—0.12	—100	—1.2	+3.2	+0.5	+2	+0.5
Peshawar	0.95	0.34	+0.61	+179	—0.3	—0.8	+0.1	—2	+0.8
D. I. Khan	0.02	0.16	—0.14	—87	—1.1	+0.8	+0.4	+1	+0.3
Quetta	0.07	0.14	—0.07	—50	—0.9	—1.7	0.0	—9	—0.2
Kalat	0.04	0.07	—0.03	—43	—2.1	—0.4	—0.3	—3	—0.4
Federal Capital Area	0.00	0.00	—0.08	—100	+2.5	+2.1	+1.5	—3	0.0
Hyderabad	0.04	0.12	—0.08	—67	0.0	+2.6	+0.4	+1	+0.1
Khairpur	0.00	0.02	—0.02	—100	—1.3	+0.7	+0.3	+3	+0.7
Mean	0.12	0.13	—0.01	—8	—1.1	+0.8	+0.3	—1	+0.1
Junagad (x)									

(x) Data not available.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF NOVEMBER, 1958.

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 equivalent at 1/1000 mb. pressure level at 0 gm.	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
EAST PAKISTAN	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas										
Chittagong Division																							
Cox's Bazar (P.T.)	0300	38	1013.7	+1.0	1015.0	79.8	73.4	69.6	25.3	+0.4	72	—5	2.9	+0.2	7	5	6	6	1	0	0	4	1
	1200		1011.6		1012.9	78.6	72.9	70.5	25.7		76		3.1		6	2	0	1	2	4	7	6	2
Chittagong (Patanga)	0000	20	1012.8		1013.5	69.3	68.2	67.2	22.9		94		2.0		3	14	1	3	0	0	0	1	8
	0300		1014.6		1015.3	77.1	71.5	68.5	23.9		75		1.8		4	22	0	1	1	0	0	0	2
	1200		1011.5		1012.2	78.5	73.1	69.6	25.7		76		2.3		3	4	1	0	0	3	6	7	6
Chittagong	0300	46	1013.7	+0.6	1015.3	79.1	72.5	69.4	24.3	—0.9	72	—9	1.9	—0.7	1	11	8	5	2	0	0	0	3
	1200		1010.6		1012.2	77.6	72.1	69.4	24.8		75		1.9		8	3	1	0	1	1	5	4	7
Maijdee Court	0000	25	1012.8		1013.7	70.0	68.7	67.4	23.8		92		1.1		0	0	0	0	0	0	0	0	30
	0300		1014.5	+0.6	1015.3	78.0	71.6	68.2	23.4	—0.3	71	—9	1.0	—0.8	6	0	0	0	0	0	0	0	24
	1200		1011.0		1011.9	78.6	73.0	70.0	25.0		76		1.0		0	0	0	0	0	0	0	0	30
Comilla	0000	29	1012.8		1013.8	69.0	68.3	67.3	23.6		97		1.4		0	0	0	0	0	0	0	0	30
	0300		1014.2	+0.3	1015.2	77.9	71.4	67.8	23.4	+0.2	71	—4	1.3	—0.4	0	0	0	0	0	0	0	0	30
	1200		1011.3		1012.3	79.4	73.0	69.6	24.3		72		2.0		0	0	0	0	0	0	0	0	30
Brahmanbaria	0000	32	1013.3		1014.4	69.1	67.0	65.7	21.7		90		1.9		0	1	0	0	0	0	0	0	29
	0300		1014.7		1015.8	77.3	70.9	67.2	22.5	—0.6	71	+1	2.2		0	9	3	0	1	0	0	0	17
	1200		1011.0		1012.1	77.5	71.9	68.6	23.9		75		1.6		0	0	0	0	1	0	0	0	29
Srimangal	0000	69	1011.7		1014.2	60.4	59.9	57.7	17.1		97		1.3		0	0	1	0	0	0	0	0	29
	0300		1013.4	+0.6	1015.9	75.5	70.3	67.4	22.8	+1.4	77	—6	1.8	—0.2	0	0	0	0	0	0	0	0	30
	1200		1009.9		1012.4	71.7	69.8	68.4	24.1		90		1.4		0	0	0	0	0	0	0	0	30
Sylhet	0000	115	1009.5		1013.7	63.9	62.3	61.1	18.6		91		1.5		0	3	21	0	0	0	0	0	6
	0300		1011.4		1015.3	74.1	68.1	64.5	20.7		72		1.5		0	2	27	0	0	0	0	0	1
	1200		1007.9		1011.9	74.6	69.4	66.5	22.8		76		1.6		0	0	1	0	0	0	2	0	27
Dacca Division																							
Mymensingh	0000	62	1012.2		1014.3	66.2	64.7	63.7	20.0		72		0.9		0	1	3	0	0	0	1	0	25
	0300		1014.2	+1.0	1016.4	73.1	69.2	66.9	22.4	+0.6	81	+2	1.4	—0.5	1	1	20	0	0	0	1	0	7
	1200		1010.4		1012.6	78.5	71.8	68.1	24.3		72		1.0		0	0	1	0	0	0	2	0	27
Narayanganj	0000	26	1012.9		1013.8	69.2	66.5	66.3	21.2		87		3.0		1	2	3	0	0	0	0	2	22
	0300		1014.8	+0.8	1015.7	78.0	70.9	67.0	22.7	+0.8	69	—5	2.9	+0.8	1	6	4	0	0	0	1	3	15
	1200		1011.3		1012.2	78.7	70.8	66.4	22.3		66		1.8		0	1	3	0	0	0	0	1	25
Dacca (Tejgaon)	0000	27	1012.3		1013.3	65.6	64.8	64.0	20.6		95		2.5		3	6	1	0	0	1	0	1	18
	0300		1014.1		1015.1	76.6	70.6	67.7	23.2		73		2.9		3	8	9	1	0	0	0	2	7
	1200		1010.9		1011.8	76.6	70.3	66.5	22.5		72		3.3		4	4	2	0	0	0	0	3	17

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF NOVEMBER, 1958.

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										
Dacca Division																							
Faridpur	0000	46	1012.0		1013.6	68.3	67.3	66.4	22.1		95		1.8		7	4	0	0	1	0	0	1	17
	0300		1013.5	+0.2	1015.1	76.7	70.6	67.7	23.2	+1.3	73	—4	2.8	+1.4	14	9	1	0	0	0	0	0	6
	1200		1010.6		1012.2	79.4	72.5	69.0	23.6		70		2.1		2	0	0	0	0	1	0	0	27
Barisal	0000	11	1013.2		1013.7	71.3	69.6	68.8	22.7		87		1.7		4	0	0	0	0	0	0	0	26
	0300		1014.6	+0.3	1015.0	78.3	72.9	70.3	24.8	+1.5	75	0	1.8	0.0	10	5	0	0	0	0	3	0	13
	1200		1011.7		1012.1	80.3	77.9	72.0	31.1		89		1.6		5	1	0	1	1	0	0	0	23
Rajshahi Division																							
Khulna	0000	16	1013.2		1013.8	69.9	68.4	67.6	23.1		92		1.7		0	0	0	0	0	0	0	0	30
	0300		1015.2	+0.5	1015.7	78.2	71.4	68.3	22.7	+2.1	69	+2	1.1	—1.1	0	6	1	0	0	0	0	1	22
	1200		1011.4		1011.9	78.1	72.0	68.9	24.1		73		0.7		0	0	0	0	0	0	0	0	30
Satkhira	0000	16	1013.2		1013.8	68.1	66.9	66.2	22.1		95		1.8		5	1	0	0	0	0	0	0	24
	0300		1014.6	+0.1	1015.2	77.2	72.0	67.8	24.5	+3.7	77	+4	2.3	+0.1	11	4	0	0	0	2	0	1	12
	1200		1011.9		1012.4	78.3	72.2	69.5	24.1		73		2.7		0	0	0	0	0	0	0	0	30
Jessore	0000	26	1012.4		1013.3	66.4	65.1	64.1	20.0		92		3.6 (a)		5	5	1	0	0	0 (a)	1	5	12
	0300		1014.6	+0.2	1015.5	74.1	70.0	67.6	23.2	+2.3	81	+7	2.6	+1.0	9	6	7	1	1	0	0	6	0
	1200		1011.6		1012.5	81.0	72.3	64.2	23.4		65		1.4		17	2	6	0	2	0	0	1	2
Pabna	0000	48	1011.7		1013.4	66.3	65.3	64.7	20.6		94		1.0		2	3	0	0	0	0	0	8	17
	0300		1013.4		1015.1	76.3	70.9	67.7	23.0	+1.6	75	0	1.5		1	10	1	3	0	0	1	14	0
	1200		1010.2		1011.9	78.5	72.0	68.5	24.3		72		x		1	2	0	0	0	0	0	3	24
Serajganj	0000	51	1011.9		1013.7	66.7	66.2	65.7	22.0		97		1.6		0	0	0	0	0	0	0	0	30
	0300		1013.8		1015.6	76.4	71.2	68.8	23.7		77		1.9		1	0	0	0	0	0	0	0	29
	1200		1010.4		1012.3	75.5	71.8	70.0	24.8		83		0.1		0	0	0	0	0	0	0	0	30
Rajshahi																							
	0300												2.6										
Bogra (P.B.O.)	0000	65	1011.6		1013.9	65.8	64.6	63.8	20.6		93		1.2		2	1	2	0	0	0	0	1	24
	0300		1013.6	+0.6	1015.8	74.8	69.8	66.9	22.8	+2.4	77	0	1.0	—0.4	5	11	6	0	0	1	0	2	5
	1200		1010.0		1012.2	77.6	71.5	68.1	24.1		73		1.1		0	1	1	0	0	0	1	2	25
Dinajpur	0000	123	1009.5		1013.9	64.2	62.8	61.7	18.6		91		0.3		0	0	0	0	0	0	0	0	30
	0300		1012.0	+0.6	1016.3	74.3	68.5	65.0	20.7	+1.3	72	—5	0.1	—1.2	0	0	0	0	0	0	0	0	30
	1200		1007.7		1012.0	78.8	71.2	66.5	23.0		68		0.7		0	0	0	0	0	0	0	0	30
Rangpur	0000					64.0	63.0	61.9	19.2		91		0.6		0	4	0	0	0	0	0	0	26
	0300					73.4	69.2	66.9	22.4		81		0.2		1	19	7	2	1	0	0	0	0
	1200					76.0	71.1	68.4	23.7		77		0.8		0	0	0	0	0	0	0	0	30

(a) Observation for 29 days.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF NOVEMBER, 1958.

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.	M .	Mb.	°F	°F	°F	Mb.	Mb.	%	%	Oktas										
Jammu (x)	0300	1200																					
	1200																						
LAHORE																							
Lahore Jail Rd.	0000	702	990.7		1016.2	52.5	50.9	49.4	12.0		89		0.7		1	1	0	0	0	0	3	0	25
	0300		992.4	+1.1	1017.7	57.1	53.5	50.1	12.3	+1.5	78	+15	1.9	+0.8	1	1	0	0	0	0	1	0	27
	1200		990.4		1015.0	72.3	62.5	53.3	14.9		55		2.0		1	0	0	0	0	0	0	1	28
,, (Cantt.)	0000	703	990.1		1015.8	54.3	51.2	48.1	11.5		79		0.7		3	4	0	0	0	1	4	5	13
	0300		992.0	—	1017.5	57.8	53.6	49.4	12.2	—	75	—	1.8	—	3	1	1	1	0	3	2	2	17
	1200		989.7		1014.1	74.8	61.7	50.6	12.9		44		2.1		2	2	0	1	1	2	7	9	6
,, (Walton) (x)	0000	699																					
	0300		992.4	—	1017.6	57.9	53.9	50.7	12.4		76	—	1.8	—	0	1	0	2	1	0	1	8	17
	1200		989.9		1014.3	75.2	63.5	55.1	14.3	—	49		1.8		2	0	0	1	0	0	1	13	13
Sialkot	0000	830	(b) 984.7		(b) 1015.1	(b) 53.5	(b) 51.4	(b) 50.2	(b) 12.0		(b) 86		0.4		0	0	0	0	0	0	0	0	30
	0300		987.4	+0.3	1017.1	60.2	55.3	50.2	12.8	+1.8	71	—	1.6	+0.7	0	4	0	0	0	0	0	0	26
	1200		985.5		1014.1	71.8	52.9	56.3	15.6		58		1.5		0	0	0	0	0	0	0	0	30
RAWALPINDI																							
Jhelum	0000	765	988.3		1016.2	50.1	47.6	44.8	10.1		82		1.0		1	0	1	0	1	1	1	1	24
	0300		990.3	—	1017.9	55.1	50.1	45.1	10.1	—	68	—	2.4	—	2	2	2	2	0	0	0	1	21
	1200		987.5		1014.3	72.8	59.8	48.6	11.7		43		1.5		0	0	0	0	0	3	2	2	23
Chaklala	0000	1667	957.8		1018.0	47.3	44.1	40.4	8.6		77		1.1		12	2	0	0	0	0	2	7	7
	0300		959.4	—	1019.3	50.0	45.7	41.1	8.8	—	71	—	2.7	—	6	0	0	0	0	0	2	5	17
	1200		957.4		1014.3	71.0	55.6	41.2	8.9		34		2.1		0	0	1	0	1	2	19	1	6
Rawalpindi	0000	1676	*		*	47.4	44.8	42.1	9.8		82		0.1		4	2	0	0	0	0	0	2	22
	0300		*	—	*	50.3	46.6	42.7	9.4	+1.0	76	+14	1.6	+0.4	0	1	0	0	0	0	0	0	29
	1200		*		*	67.7	56.4	47.0	11.0		47		1.9		0	0	0	0	1	2	5	1	21
Khushab	0000	616	994.4		1017.0	53.7	49.6	45.0	10.3		74		0.1		0	0	4	0	0	0	0	0	26
	0300		995.4	+0.3	1017.8	55.4	50.0	44.5	9.9	+1.6	65	+14	0.9	—0.2	0	2	5	0	0	0	1	0	22
	1200		993.7		1015.1	75.7	60.8	48.0	9.6		38		1.2		0	0	1	0	0	1	1	0	27
Sargodha (x)	0000	614																					
	0300																						
	1200																						
MULTAN																							
Lyallpur	0000	605	994.5		1016.5	52.9	50.8	48.1	11.8		86		0.6		0	1	0	0	0	3	0	3	23
	0300		995.7	+1.0	1017.8	54.1	51.2	48.5	11.4	+1.3	80	+18	1.8	+0.5	0	0	1	0	2	2	2	1	22
	1200		994.1		1014.9	75.4	60.8	50.0	11.6		39		1.8		1	1	0	0	2	2	3	2	19
Montgomery	0000	558	996.3		1016.4	54.9	50.5	46.1	10.6		71		0.4		0	5	1	7	1	7	0	3	6
	0300		997.5	+0.9	1017.5	57.8	53.2	49.1	11.8	+0.7	73	+9	0.5	—0.3	0	2	0	1	0	1	0	1	25
	1200		995.7		1015.0	78.2	64.9	55.1	15.0		45		1.0		0	0	0	1	0	0	0	0	29
Multan (P.B.O.)	0000	404	1001.1		1016.0	54.0	51.8	49.6	12.1		85		0.8		3	0	0	0	1	0	0	0	26
	0300		1003.0	—	1017.8	58.1	53.6	49.2	12.1	—	73	—	1.6	—	3	1	0	1	0	0	0	0	25
	1200		1000.5		1014.7	76.3	63.1	53.2	13.8		44		1.0		2	0	0	1	3	0	0	0	24
Multan (Surface)	0300	413	1003.0	+1.4	1017.9	63.4	55.4	46.5	11.4	—0.7	57	—5	1.2	+0.4	1	2	0	1	2	1	0	0	23
	1200		1000.7		1015.1	78.1	62.8	50.6	12.6		39		0.8		1	0	0	0	0	0	0	0	29

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

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF NOVEMBER, 1958.

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										
BAHAWALPUR																							
Leiah (x)	0000	490																					
	0300																						
	1200																						
Khanpur Sarface (R)	0300	297																					
	1200																						
Khanpur (P.B.O.)	0000	290	1004.7		1015.3	54.1	51.3	48.4	11.7		81		1.3	...	1	7	0	0	1	1	0	0	20
	0300		1006.5	...	1017.1	59.9	54.3	49.1	11.9	...	67	...	1.9		4	5	0	1	2	2	0	0	16
	1200		1004.0		1014.1	79.7	63.6	50.9	12.9		38		0.9		2	5	0	1	0	0	0	0	22
Bahawalpur (R)	0300	384	1003.9	+1.6	1017.7	60.6	54.2	47.9	11.3	+0.5	67	+2	1.4	+0.5	0	5	1	8	4	3	0	2	7
	1200		1001.3		1014.6	79.6	65.1	54.6	14.6		42		1.2		1	4	1	0	1	2	2	5	16
Fort Abbas	0000	475	999.2		1016.0	52.7	(e) 49.3	(e) 46.9	(e) 10.4		(e) 80		0.4		0	20	0	0	0	8	1	1	0
	0300		1001.0	...	1017.8	63.0	56.4	50.8	12.6	...	65	...	0.6	...	1	19	0	1	0	8	0	1	0
	1200		997.8		1014.1	80.5	64.7	52.9	13.8		38		0.2		2	17	0	1	0	7	0	3	0
PESHAWAR																							
Chakdara	0000	2197	939.4		1017.8	48.8	45.0	41.8	8.7	*	74		1.0		0	0	0	1	0	0	0	0	29
	0300		940.7	...	1019.2	48.7	45.2	41.2	8.9	...	76	...	2.1	...	0	4	1	1	0	1	0	1	22
	1200		938.0		1013.0	68.6	56.3	45.2	10.6		45		2.3		2	0	1	0	0	8	7	1	11
Peshawar	0000	1177	975.2		1017.7	52.2	45.3	35.6	7.3		54		0.7		1	0	1	3	9	7	2	3	4
	0300		976.7	+0.5	1019.8	53.7	46.5	36.7	7.6	+0.4	53	0	2.5	+0.3	1	1	1	3	4	7	2	0	11
	1200		974.5		1015.2	71.1	57.3	43.7	9.9		38		1.8		3	2	2	1	3	0	0	2	17
Risalpur	0000	1009	981.7		1018.6	46.0	43.7	39.9	8.7		80		1.2		0	3	0	0	0	0	2	1	24
	0300		982.6	...	1019.4	49.9	46.2	41.9	9.0	...	73	...	2.0	...	0	3	1	1	0	0	2	1	22
	1200		980.1		1015.0	72.7	57.0	40.3	9.1		33		1.9		1	5	1	0	1	1	0	4	17
Haripur	0300	1757	956.0	...	1018.3	55.4	49.7	43.6	9.9	...	66	...	2.2	...	0	1	0	2	1	16	7	3	0
	1200		954.1		1014.1	73.7	57.5	42.7	9.6		34		2.8		2	2	0	3	1	10	1	11	0
Campbellpur	0300	1175	976.6	...	1019.1	52.1	47.6	42.5	9.3	...	69	...	2.2	...	2	4	1	2	0	0	0	0	21
	1200		974.1		1014.7	73.3	57.8	41.1	9.4		32		2.6		7	4	3	1	0	0	0	2	13
D. I. KHAN																							
Kohat	0000	1667	959.0		1017.9	58.6	48.4	36.2	7.5		46		0.6		0	1	1	1	0	0	0	25	2
	0300		960.3	...	1019.2	58.9	48.5	35.9	7.4	...	43	...	1.9	...	1	2	0	0	0	0	1	23	3
	1200		958.3		1015.5	72.7	56.6	41.2	10.1		34		1.8		1	3	4	7	3	1	0	1	10
Bannu	0000	1263	971.1		1016.4	54.9	49.7	43.1	10.1		68		0.4		0	1	0	0	0	0	2	0	27
	0300		971.1	...	1016.6	55.0	48.7	42.5	8.9	+0.8	60	+8	0.6	−0.4	1	1	0	1	1	2	12	6	6
	1200		967.3		1012.9	74.6	59.9	48.2	11.2		47		0.7		0	0	5	10	2	0	0	0	13
D. I. Khan	0000	570	*		*	54.4	49.7	45.2	10.1		69		0.2		0	0	0	0	0	0	0	0	30
	0300		996.6	+0.3	1017.2	57.5	51.3	45.3	10.2	+0.3	63	−3	1.0	0.0	1	0	0	0	0	0	0	2	27
	1200		994.8		1014.5	78.5	64.1	54.5	14.0		41		1.1		0	0	0	0	0	0	0	0	30

(x) Data not available. (*) Data rejected. (R) Register not received. (e) Mean for 26 days.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF NOVEMBER, 1958.

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 approximately 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 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
	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas										
QUETTA																							
Sibi (x)	0000	441																					
	0300																						
	1200																						
KALAT (NORTH)																							
Nokkundi	0000	2229	941.0		1020.6	47.9	38.0	21.4	3.9		29		0.0		9	4	1	1	0	1	3	11	0
	0300		942.9		1022.6	49.1	39.1	22.4	4.1	—1.6	31	—11	0.0	—1.6	11	6	4	0	0	2	1	6	0
	1200		939.9		1016.1	72.5	52.4	27.9	5.6		17		0.0		3	0	3	8	3	5	4	4	0
KALAT (SOUTH)																							
Turbat* (x)	0000	510																					
	0300																						
	1200																						
Jiwani	0000	185	1008.7		1015.3	66.6	59.1	50.4	13.8		62		0.4		12	4	0	0	0	0	2	3	9
	0300		1010.3		1016.8	67.7	57.6	46.1	11.7		51		0.8		13	7	0	1	0	0	1	1	7
	1200		1008.0		1014.4	80.7	65.3	52.4	14.4		54		1.3		0	1	1	7	9	7	4	1	0
Pasni	0000	28	1013.5		1014.5	66.8	58.8	51.1	13.4		60		0.5		8	1	0	0	1	2	4	11	3
	0300		1015.2	+0.3	1016.2	67.4	59.4	53.0	14.0	—1.2	60	—9	0.9	—0.1	8	3	0	0	0	2	5	10	2
	1200		1012.8		1013.8	82.3	69.4	60.3	18.7		49		0.6		0	0	0	6	12	11	1	0	0
Ormara	0000	15	1013.7		1014.2	65.1	62.3	60.3	17.9		84		1.1		0	1	2	3	2	1	1	0	20
	0300		1015.3		1015.8	69.2	64.5	61.2	18.6	+0.8	77	+4	0.9	—0.3	0	0	1	2	0	0	1	0	26
	1200		1012.7		1013.2	83.4	73.3	67.8	23.5		58		1.0		0	0	2	2	7	3	14	1	1
Lasbela	0000	292	*																				
	0300		1036.8	+1.4	1017.0	72.4	60.7	51.6	12.9	+1.3	47	—4	0.2	—0.4	8	1	0	2	0	2	4	2	11
	1200		1003.5		1013.4	89.2	69.9	56.8	16.3		34		0.6		2	1	0	3	4	8	3	0	9
FEDERAL CAPITAL AREA																							
Karachi (Manora)	0000	13	1013.2		1013.7	71.9	64.2	58.7	17.1		64		0.7		5	11	0	0	0	0	0	0	14
	0300		1015.0	—0.2	1015.5	73.5	65.2	59.3	17.5	+1.5	63	—3	1.2	0.0	2	10	0	0	0	0	0	1	17
	1200		1012.1		1012.6	83.0	74.9	70.3	26.0		67		0.8		0	5	2	2	0	0	10	11	0
Karachi (Mauripur)	0000	52	1012.0		1013.8	(b) 66.8	(b) 59.6	(b) 53.2	(b) 14.8		63		0.5		11	12	0	0	0	0	0	1	6
	0300		1013.6		1015.4	68.0	60.1	53.3	14.2		62		0.9		13	12	0	0	0	0	0	0	5
	1200		1011.1		1012.9	84.5	70.3	61.4	18.9		47		0.8		0	4	3	0	2	9	10	2	0
Karachi (City)	0300	20	1014.5		1015.4	73.3	66.0	60.9	18.5		66		0.8		5	17	5	0	0	2	0	1	0
	1200		1011.3		1012.2	82.5	70.8	63.0	20.5		54		0.7		2	7	1	0	1	12	5	2	0
Karachi (P.A.F.)	0000	24	1013.1		1014.0	66.6	58.5	51.4	13.1		59		0.6		8	10	1	0	0	0	1	1	9
	0300		1014.5		1015.4	69.1	58.7	49.7	12.3		50		0.9		12	13	0	0	0	0	0	0	5
	1200		1011.9		1012.8	85.4	67.2	53.8	14.6		35		0.7		0	7	4	0	0	16	3	0	0
Karachi (Airport)	0000	73	1011.6		1014.4	64.8	55.1	45.1	10.5		50		0.6		6	5	0	0	0	0	0	3	16
	0300		1013.3		1016 0	67.2	55.3	44.7	9.6		41		0.9		5	2	0	0	0	9	0	0	23
	1200		1010.6		1013.1	85.0	63.2	43.9	10.0		24		0.7		1	10	0	1	2	12	4	0	0
HYDERABAD																							
Badin	0000	31	1012.5		1013.6	65.7	59.6	53.5	14.7		69		0.9		18	0	0	0	0	6	0	0	6
	0300		1013.8	0.0	1014.9	67.7	60.3	55.3	14.5	+0.7	63	+3	0.9	—0.1	17	0	0	0	0	5	0	0	8
	1200		1011.8		1012.9	85.4	70.7	61.0	19.0		45		1.3		12	0	0	0	0	1	0	0	17
Nagarparkar	0000	178	1006.9		1013.0	68.3	59.7	52.7	13.6		58		0.9		1	0	0	0	0	0	0	0	29
	0300		1007 7		1013.8	68.0	59.6	52.6	13.6		58		1.1		0	1	1	0	0	3	0	0	25
	1200		1005.2		1011.2	86.9	68.4	55.2	15.3		35		0.7		0	4	5	4	1	1	0	0	15

(x) Data rejected. (b) Mean of 29 days.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF NOVEMBER, 1958.

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										
Umarkot	0000	55	1011.8		1013.8	62.6	55.5	48.4	9.0		47		0.8		7	9	4	1	0	1	0	2	6
	0300		1013.0		1015.0	62.2	54.9	47.7	11.4		59		1.4		11	9	5	0	0	0	0	0	5
	1200		1010.3		1012.3	85.7	66.7	52.1	13.8		33		1.0		8	2	0	0	0	1	5	9	5
Chhor	0000	19	1013.2		1013.9	58.0	53.5	48.7	12.0		73		1.4		1	7	0	0	0	0	0	0	22
	0300		1015.0		1015.7	65.3	56.1	46.9	11.3		52		1.6		8	12	2	1	0	0	0	1	6
	1200		1011.8		1012·5	84.9	64.6	47.9	11.6		28		1.3		7	10	1	0	0	3	7	1	1
Hyderabad	0000	98	1010.6		1014.1	63.8	56.0	48.7	11.8		59		0.6		17	1	0	0	0	0	0	1	11
	0300		1012.7	+0.5	1016.2	66.2	57.3	49.5	12.1	+0.1	55	0	1.1	+0.2	21	0	1	0	0	0	0	1	7
	1200		1009.8		1013.2	84.2	63.7	46.0	10.9		27		0.8		13	8	1	3	1	0	1	1	2
KHAIRPUR																							
Padidan	0000	153	1009.5		1014.9	55.9	52.4	48.7	11.9		78		0.6		9	5	2	0	0	0	0	9	5
	0300		1011.3		1016.9	60.3	54.1	48.4	11.4		63		0.9		3	6	6	1	0	1	0	8	5
	1200		1008.5		1013.8	83.0	63.1	45.2	10.8		27		0.7		13	1	0	1	2	3	1	3	6
Nawabshah	0000	124	1011.1		1015.7	57.7	52.4	46.9	11.1		68		0.5		1	1	1	0	0	0	0	11	16
	0300		1013.0		1017.6	60.9	54.7	49.0	11.9		65		1.1		1	2	0	2	0	0	0	15	10
	1200		1010.1		1014·4	83.6	63.4	46.4	10.9		28		0.9		6	1	1	1	4	1	1	9	6
Sukkur	0300	221	1008.8	+0.7	1016.7	63.8	57.3	51.6	13.3	+1.2	65	+7	1.4	+0.8	4	1	1	6	1	1	0	1	15
	1200		1006.1		1013.7	80.3	64.5	52.8	13.6		38		0.7		8	7	3	2	0	1	2	3	4
Kashmore *	0000	255																					
	0300																						
	1200																						
Jacobabad	0000	183	1008.8		1015.4	58.3	52.0	45.0	10.4		62		0.2		8	1	8	0	5	0	3	1	4
	0300		1010.6	+1.0	1017.2	61.4	53.8	45.9	10.7	—0.5	57	—1	1.2	+0.5	4	2	5	2	3	1	0	6	7
	1200		1007.7		1014.0	82.6	64.5	49.8	12.0		51		0.7		0	2	1	8	4	3	1	10	1
JUNAGADH																							
Veraval (R)	0000	26																					
	0300																						
	1200																						
AFGHANISTAN																							
Jalalabad (x)	0300	1950																					
	1200																						
ARABIA																							
Muscat	0300	20	1016.1		1016.8	73.1	65.5	61.0	18.1		65		1.3	0.0	0	0	1	0	1	2	3	6	17
	1200		1014.3		1015.0	77.9	68.0	62.3	19.5		60		1.1		3	9	5	0	0	0	0	10	3
HILL STATIONS:—KASHMIR																							
Srinagar (x)	0000	5205																					
	0300																						
	1200																						

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

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF NOVEMBER, 1958.

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										
Gulmarg (x)	0300	8709																					
	1200																						
Gurez (x)	0300	...																					
	1200																						
Sonamarg (x)	0300	...																					
	1200																						
Dras (x)	0300	10059																					
	1200																						
Kargil (x)	0300	...																					
	1200																						
Leh (x)	0300	...																					
	1200																						
Skardu (x)	0000	7250																					
	0300																						
	1200																						
Misgar	0000	10190	*		*	*	*	*	...		—		4.2		0	0	0	0	0	0	0	0	30
	0300		699.1	—	3092.5	30.1	27.4	22.6	4.2	—	77	...	3.0	...	0	0	0	0	0	0	0	0	30
	1200		697.9		3080.0	37.9	33.1	24.8	5.0		62		4.3		0	0	8	3	0	0	9	0	10
Aliabad (x)	0300	6850																					
	1200																						
Gilgit (Surface) (x)	0000	4950																					
	0300																						
	1200																						
RAWALPINDI																							
Murree	0000	7113	786.2*		1521.8	44.3	37.9	28.8	5.5		54		1.8		0	4	0	11	0	0	0	15	0
	0300		787.5	0.0	1536.5	47.0	37.9	23.8	4.5	0.0	42	+2	3.2	+1.6	1	4	6	12	0	0	1	2	4
	1200		786.9		1523.2	49.4	41.3	31.3	5.9		50		2.6		0	8	3	8	0	1	1	3	6
PESHAWAR																							
Drosh	0000	4806	859.1		1551.4	42.2	37.2	24.6	4.8		48		2.0		0	1	0	1	0	0	0	0	28
	0300		859.9	+0.7	1558.9	43.9	37.2	25.8	4.7	—0.4	50	—3	3.3	+1.6	0	1	1	0	0	1	0	0	27
	1200		857.4		1536.6	55.3	42.6	20.8	4.2		28		4.1		0	1	3	15	0	5	0	0	6
Chitral	0000	4272	*		*	52.6	43.6	32.1	6.0		45		0.3		4	2	0	16	7	0	1	0	0
	0300		875.2	+1.7	1550.8	54.4	44.3	31.3	5.9	+0.2	41	—3	1.8	+0.4	12	0	0	8	5	0	0	0	5
	1200		874.5		1545.5	60.3	48.4	34.0	6.8		37		1.3		5	0	1	17	5	0	0	0	2
Kakul	0000	4214	874.9		1522.0	50.4	43.6	31.6	6.2		48		1.4		9	9	2	0	0	0	0	10	0
	0300		876.2	—	1535.8	53.8	44.8	33.2	5.5	—	46	—	2.7	—	6	7	2	2	0	0	1	12	0
	1200		874.9		1527.1	60.1	48.9	35.1	7.3		42		2.5		0	0	1	6	10	3	1	9	0
Balakot	0000	3226	x		x	46.1	42.9	39.0	8.2		78		1.6		4	2	1	0	1	0	0	5	17
	0300		x	—	x	46.6	43.7	39.0	8.6		79		3.6		2	0	0	0	1	0	1	0	26
	1200		x		x	61.7	52.9	44.5	10.1		53		3.1		3	0	1	0	0	0	1	3	22
Landikotal	0000	3503	898.1		1515.8	44.9	39.5	31.3	6.1		59		1.0		3	4	0	0	0	0	0	1	22
	0300		899.8	—	1523.6	49.8	41.9	29.7	6.0	—	48	—	1.3	—	2	1	0	0	0	0	0	1	26
	1200		897.3		1518.3	62.3	50.4	35.7	7.7		39		1.9		4	4	0	2	1	0	0	2	17

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

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF NOVEMBER, 1958.

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										
D. I. KHAN																							
Parachinar	0000	5673	829.4		1524.0	41.0	34.2	24.1	4.2		49		0.9		11	2	0	0	0	0	0	5	12
	0300		830.5	+0.5	1536.8	43.1	35.7	23.9	4.4	—0.7	47	—1	1.2	—0.3	5	0	0	0	0	0	0	1	24
	1200		828.8		1515.4	58.3	46.0	20.9	5.9		38		1.5		0	0	5	19	0	0	0	4	2
Miranshah	0000	3026	913.0		1510.8	48.4	40.3	27.2	5.2		45		0.6		0	1	0	0	0	1	0	0	28
	0300		914.5	...	1531.0	54.1	43.6	28.0	5.4	+1.1	38	—1	0.5	—0.7	1	2	0	0	0	0	0	0	27
	1200		912.1		1526.2	69.0	52.6	34.5	6.8		28		0.3		0	13	3	2	0	0	0	0	12
Wana	0300	4503	866.4	...	1529.2	39.9	34.2	23.7	4.5	+0.3	53	0	0.6	—0.2	0	0	0	0	0	2	1	0	27
	1200		864.2		1504.3	62.6	45.3	18.1	3.3		17		1.1		0	0	2	10	4	3	1	0	10
QUETTA																							
Fort Sandeman	0300	4614	864.4	+1.0	1544.9	47.6	39.3	26.1	4.9	+0.8	42	—13	0.7	—0.3	0	0	2	1	3	2	1	0	21
	1200		862.2		1526.5	66.6	49.0	25.2	4.8		22		1.6		1	2	0	0	3	4	5	2	13
Hindubagh	0000	5909	823.5		1540.8	38.4	32.5	22.9	4.2		53		0.7		0	0	0	0	0	0	19	3	8
	0300		824.4		1549.3	39.0	32.7	22.8	4.1		51		0.7		0	0	0	0	0	1	16	1	12
	1200		822.6		1520.5	60.9	46.7	30.8	5.4		32		1.7		0	0	4	0	1	1	19	4	1
Loralai	0000	4699	859.3		1520.0	42.8	35.9	23.4	4.4		48		0.7		1	0	0	0	0	3	18	8	0
	0300		860.6		1532.0	41.8	35.0	23.0	4.2		47		1.4		1	0	0	0	0	2	12	13	2
	1200		858.4		1515.0	64.3	48.7	27.3	5.4		26		2.0		0	0	1	11	3	8	1	1	5
Harnai	0300												0.8		1	0	0	0	0	0	29	0	0
	1200												1.2		0	0	13	0	17	0	0	0	0
Quetta (Samungli)	0000	5213	844.7		1536.6	29.2	26.7	22.2	4.0		74		0.3		0	1	4	6	0	0	1	0	18
	0300		845.6		1544.7	32.3	29.4	24.7	4.5		73		1.4		0	2	4	8	1	0	1	0	14
	1200		843.5		1520.8	60.0	50.6	41.4	9.2		54		1.5		1	0	0	2	0	1	4	21	1

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF NOVEMBER, 1958.

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 (32°F) and 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	0300	5490	837.5	0.0	1548.8	47.5	37.7	23.5	4.1	—0.3	38	—17	1.7	+0.5	0	1	0	0	0	0	0	0	29
	1200		x		x	x	x	x					x							x			
Chaman	0000	4311	874.3		1543.4	43.6	36.5	24.0	4.5		47		0.0		0	30	0	0	0	0	0	0	0
	0300		875.7	+2.3	1556.6	45.1	37.5	24.2	4.5	—0.4	44	+2	0.2	—0.8	0	8	0	7	0	0	0	0	15
	1200		874.4		1546.8	61.8	48.1	29.2	5.9		32		0.5		1	0	0	0	0	10	7	10	2
KALAT (NORTH)																							
Kalat	0000	6616	802.7		1554.6	32.1	28.1	20.7	3.8		62		0.7		0	1	0	1	21	0	0	0	7
	0300		803.8	+0.5	1559.9	36.8	31.3	21.9	4.0	+0.5	55	+7	0.8	—0.2	0	0	0	5	12	0	0	0	13
	1200		802.5		1530.8	55.3	43.9	25.1	5.7		39		1.5		7	0	0	0	3	1	1	11	7
Nushki	0000	3416	907.0		1573.9	50.0	38.8	18.5	3.6		29		0.0		3	14	6	3	1	0	0	3	0
	0300		907.0		1573.0	49.1	37.5	16.7	3.0		25		0.0		8	11	6	4	1	0	0	0	0
	1200		904.5		1569.4	67.7	47.3	13.4	3.0		13		0.2		15	1	0	0	2	3	0	9	0
Dalbandin	0000	2785	922.5		1512.8	43.1	35.7	22.3	4.2		44		1.1		0	15	5	0	0	0	0	0	10
	0300		924.2	+1.8	1525.0	41.6	34.7	22.0	4.1	—0.8	46	—1	1.1	+0.1	0	10	2	0	0	0	0	0	18
	1200		921.5		1537.4	68.6	51.6	32.2	6.2		26		1.4		0	4	19	1	2	3	0	0	1
KALAT (SOUTH)																							
Panjgur	0000	3177	909.0		1523.5	48.3	40.2	27.9	5.3		44		0.1		5	21	0	0	0	0	2	2	0
	0300		910.3	+1.6	1529.2	48.8	39.4	24.1	4.3	—1.1	39	—10	0.3	—0.6	2	28	0	0	0	0	0	0	0
	1200		907.8		1531.0	69.7	51.9	31.5	5.1		24		0.2		11	2	0	0	1	3	3	10	0
AFGHANISTAN																							
Kabul (R)	0300	5953																					
	1200																						
Kandahar	0300	3462	905.8	...	1557.6	36.9	33.3	26.2	5.0	—	69	—	1.1	—	0	0	0	2	0	0	0	0	28
	1200		902.3		1555.7	60.2	48.7	35.5	7.1		39		1.6		1	0	0	0	0	7	6	2	14

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

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF NOVEMBER, 1958.

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 Figures 93 or less: Fog.	Visibility Code Figures 93 or less: Haze (dust).	Visibility Code Figures 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 DIVISION																					
Cox's Bazar (P. T.)	86.5	+2.1	90	19	70.1	+3.0	63	26	0.48	—2.78	0.41	9	1	—2.1	x						
Chittagong (Patenga)	85.7		90	11	69.0		65	25,26	0.00		0.00	0	0		x				2		
Chittagong	86.3	+2.7	89	4 days	67.8	+2.3	63	25	0.00	—2.17	0.00	0	0	—2.0	2.3	—0.8					
Maijdi Court	84.4	+1.1	90	2	68.6	+1.3	63	25	0.00	—1.53	0.00	0	0	—1.9	x						
Comilla	86.8	+2.8	90	1,2,3	67.7	+3.6	62	20	0.18	—1.11	0.18	2	1	—0.6	x						
Brahmanbaria	84.9	—0.3	88	1,10	68.2	+2.6	63	19,20,24	0.09	—0.95	0.09	29	0	—1.5	1.6						
Srimangal	85.6	+0.1	89	1	59.6	0.0	52	24	0.01	—1.40	0.00	7	0	—1.7	x				8		
Sylhet	84.8		89	19	63.4		57	21	0.83		0.83	30	1		x				2		
DACCA DIVISION																					
Mymensingh	84.6	+1.7	89	1	65.0	+0.5	61	4 days	0.00	—0.88	0.00	0	0	—1.0	0.5	—0.1			1		
Narayanganj	86.7	+2.8	90	1,2,18	69.7	+3.6	64	19,20,21	0.00	—0.95	0.00	0	0	—1.3	1.2	+0.1			8		
Dacca (Tejgaon)	84.9		88	4 days	65.1		58	19	0.00		0.00	0	0		1.7				3		
Faridpur	83.7	+1.4	88	1,2,4	67.3	+3.3	63	20,21	0.00	—1.10	0.00	0	0	—1.4	1.8	+0.4			1		
Barisal	85.3	+2.1	90	2,3	70.4	+4.8	65	20	0.00	—1.54	0.00	0	0	—1.7	2.4	+1.3			9		
RAJSHAHI DIVISION																					
Khulna	84.7	+1.2	88	1,27	69.7	+4.1	65	5 days	0.20	—0.92	0.20	9	1	—0.8	1.2	—0.4			1		
Satkhira	86.3	+1.1	91	1	67.7	+4.5	61	22	0.19	—0.55	0.19	1	1	—0.2	1.3	+0.4					
Jessore	86.1	+1.9	90	1	61.9	+1.1	59	19	0.06	—0.89	0.06	13	0	—1.1	1.8	+0.8			2		
Pabna	86.2	+0.7	90	2	66.3	+3.2	61	21	0.00	—0.70	0.00	0	0	—1.0	x				2		
Serajganj	85.6		90	1,2	66.2		62	21,22	0.02	—0.67	0.02	25	0	—0.8	1.1						
Rajshahi									0.00	—0.53	0.00	0	0	—0.8							
Bogra (P.B.O.)	84.7	+2.3	90	4	65.0	+2.2	61	5 days	0.21	—0.56	0.21	25	1	+0.2	1.6	+0.5			3		
Dinajpur	84.9	+2.4	88	4 days	63.3	+2.3	58	22,23,24	0.00	—0.44	0	0	0	+0.6	0.0	—1.1					
Rangpur	84.3		90	2	63.8		58	24	0.66	+0.26	0.66	10	1	+0.5	1.2				9		

(x) Data not available.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF NOVEMBER, 1958.

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.	Visibility Code Figure 93 or less: Hail.	Fog.	Haze (dust).	Dust Storm.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
KASHMIR																					
Jammu (x)																					
LAHORE																					
Lahore (Jail Road)	80.1	—2.8	89	2	51.1	+3.8	43	23,27	0.14	+0.04	0.08	18	0	—0.3	1.0	+0.2	2	0	0	0	0
,, (Cantt.)	79.4	—	87	5 days	51.8	—	42	27	0.00	—	Trace	12,13, 18	0	—	2.2	—	1	0	1	0	0
,, (Walton)	81.0	—	89	2	51.4	—	43	27,30	0.23	—	0.18	18	1	—	2.5	—	2	0	0	0	0
Sialkot	79.4	—1.2	90	1 2	52.1	+3.0	42	30	0.25	+0.08	0.25	13	1	+0.6	1.0	+0.4	0	0	0	0	0
RAWALPINDI																					
Jhelum	82.7	—	92	1	48.3	—	37	29	0.01	—	0.01	12	0	—	1.2	—	2	0	0	0	0
Chaklala	77.2	—	86	1,2	45.7	—	36	28,29	0.51	—	0.38	12	2	—	3.0	—	2	1	0	0	0
Rawalpindi	78.2	+0.5	88	1	45.5	+1.1	35	29	0.25	—0.03	0.20	12	1	+0.5	x	—	1	0	1	0	0
Khushab	83.6	+0.8	92	1	49.8	0.0	41	29,30	0.00	—0.08	0.00	—	0	—0.2	2.3	+0.3	0	0	0	0	0
Sargodha (x)																					
MULTAN																					
Lyallpur	82.3	+0.3	90	1	51.5	+2.4	44	26,27	0.04	—0.07	0.04	18	0	—0.2	1.4	+0.3	0	0	4	0	0
Montgomery	82.4	—1.0	90	5 days	52.2	+0.6	43	27	0.00	—0.05	0.00	—	0	—0.2	1.1	—0.6	0	0	0	0	0
Multan (P.B.O.)	82.5	—	90	1,2,10	50.8	—	42	26	0.00	—	Trace	18,28	0	—	1.0	—	0	0	0	0	0
,, (Surface)	84.1	+1.2	91	1,2,11	55.9	+5.0	48	29	0.00	—0.06	Trace	28	0	—0.1	0.3	—0.6	0	0	0	0	0
BAHAWALPUR																					
Leiah (x)																					
Khanpur (Surface) (R)																					
,, (P.B.O.)	84.2	—	92	9	51.0	—	43	24,26	0.00	—	Trace	28,29	0	—	2.5	—	0	0	3	0	0
Bahawalpur	84.2	—1.2	94	2	53.8	+3.2	47	23,26,29	0.00	—0.01	0.00	—	0	0.0	1.1	—0.2	0	0	0	0	0
Fort Abbas	85.7	—	94	6.9,10	50.5	—	40	26	0.00	—	Trace	17	0	—	*	—	0	0	0	0	0
PESHAWAR																					
Chakdara	75.1	—	85	1	44.0	—	38	25,26	0.00	—	0.00	—	0	—	*	—	0	0	0	0	0
Peshawar	78.0	+1.2	86	5	49.9	+1.0	41	30	0.02	—0.29	0.02	15	0	—0.6	1.9	+1.0	0	0	0	0	2
Risalpur	79.9	—	90	3	41.6	—	33	28	0.00	—	Trace	11,12, 15	0	—	1.6	—	2	0	0	0	0
Haripur	79.4	—	90	3	48.7	—	42	29	1.00	—	1.00	12	1	—	4.8	—	0	0	0	0	0
Campbellpur	74.7	—	85	1	35.8	—	30	6 days	0.30	—	0.25	12	1	—	1.6	—	0	0	0	0	0
D. I. KHAN																					
Kohat	78.8	—	87	1	55.7	—	48	28,29,30	0.18	—	0.10	15	1	—	4.7	—	3	0	0	0	0
Bannu	79.3	—0.9	86	1,2,5	51.4	+1.5	43	30	0.00	—0.16	0.00	—	0	—0.2	2.0	—	0	0	0	0	0
D. I. Khan	82.8	+0.9	89	4 days	50.9	+2.2	41	27,29	0.00	—0.15	0.00	—	0	—0.3	0.1	—0.4	0	0	0	0	0

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

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF NOVEMBER, 1958.

DIVISION AND STATION	Maximum Temperature of the Air °F				Minimum Temperature of the Air °F				Precipitation (inches)						Wind Velocity (knots)		Weather Number of Days				
	Mean.	Departure from normal.	Highest.	Date.	Mean.	Departure from normal.	Lowest.	Date.	Total of the month.	Departure from normal.	Heaviest fall in 24 hours.	Date.	Days with 0.10 inch or more.	Departure from normal.	Mean.	Departure from normal.	Thunder heard.	Hail.	Fog.	Haze (dust).	Dust Storm.
																	Visibility Code Figure 93 or less				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
QUETTA																					
Sibi	*				*				0.00	—0.02	0.00		0	—0.1	*		0	0	0	0	0
KALAT (NORTH)																					
Nokkundi	75.7	—4.3	92	1	44.8	—4.9	33	26,27	0.00	—0.03	0.00		0	—0.1	x		0	0	0	0	0
KALAT (SOUTH)																					
Turbat	*				*				0.00		0.00		0		*		0	0	0	0	0
Jiwani	84.8		93	5,6	64.0		54	26	0.00		0.00		0		4.4		0	0	0	0	0
Pasni	85.2	—0.2	93	6	63.1	+2.6	57	21	0.00	—0.14	0.00		0	0.0	5.4	+1.1	0	0	0	0	0
Ormara	86.9	+1.2	94	5	63.5	—0.3	58	22,23	0.00	0.00	0.00		0	0.0	3.2	—0.8	0	0	0	0	0
Lasbela	93.2	+0.4	101	4,6	57.1	+3.6	51	23,24,26	0.00	0.00	0.00		0	0.0	1.5	—0.1	0	0	0	0	0
FEDERAL CAPITAL AREA																					
Karachi (Manora)	87.7	+2.5	91	3,7,14	69.0	+2.1	64	30	0.00	—0.08	0.00		0	—0.3	x		0	0	0	0	0
Karachi (Mauripur)	88.4		94	4	64.9		59	25	0.00		Tr.	27,28	0		x		0	0	2	0	0
Karachi (City)	90.8		96	4	63.9		58	25	0.00		0.00		0		2.9		0	0	0	0	0
Karachi (P.A.F.)	89.5		96	4	64.8		58	24	0.00		Tr.	28	0		5.8		0	0	0	0	0
Karachi (Airport)	89.2		95	3,4,5	62.1		55	24	0.05		0.05	28	0		3.3		0	0	2	0	0
HYDERABAD																					
Badin	90.1	—0.1	97	6,7	61.5	+1.6	57	23	0.00	—0.18	0.00		0	—0.4	1.7		0	0	0	0	0
Nagarparkar	90.0		93	6 days	65.3		60	23	1.39		1.31	28	1		1.1		1	0	0	0	0
Umarkot	89.1		95	7 days	58.5		51	24,25	0.00		0.00		0		3.2		1	0	0	0	0
Chhor	89.7		95	7 days	55.7		48	23,25	0.25		0.25	17	1		2.3		0	0	0	0	0
Hyderabad	88.9	+0.1	98	6	62.4	+3.6	56	23,24	0.08	+0.02	0.06	28	0	—0.1	3.3	+0.2	0	0	0	0	0
KHAIRPUR																					
Padidan	86.0		94	6	53.5		46	24	0.00		0.00		0		3.5		0	0	0	0	0
Nawabshah	86.9		95	5	55.3		47	24	0.00		Tr.	27,28	0		2.8		0	0	0	0	0
Sukkur	83.0	—3.2	94	8	58.5	+0.4	52	26	0.00	0.00	0.00		0	0.0	1.9	—0.4	0	0	1	0	0
Kashmore	*				*				0.00		0.00		0		*		0	0	0	0	0
Jacobabad	86.5	+0.6	93	5 days	55.6	+1.1	50	20	0.00	—0.05	Tr.	28,29	0	—0.1	3.0	+0.8	0	0	0	0	0
JUNAGADH																					
Veraval (R)																					
AFGHANISTAN																					
Jalalabad (x)																					
ARABIA																					
Muscat	80.6	—3.7	86	5,7	71.2	—2.6	65	29	0.00	—0.39	0.00		0	—0.7	3.0	+0.3	0	0	0	0	0
HILL STATIONS KASHMIR																					
Srinagar (x)																					
Gulmarg (x)																					
Gurez (x)																					
Sonamarg (x)																					
Dras (x)																					
Kargil (x)																					
Leh (x)																					
Skardu (x)																					

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

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF NOVEMBER, 1958.

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
KASHMIR—(*continued*)																					
Misgar	43.6	—	60	1	25.7	—	19	17,21	0.11	—	0.05	18	0	—	3.4	—	0	0	0	0	0
Aliabad (x)																					
Gilgit (x)																					
RAWALPINDI																					
Murree	57.6	—1.9	66	1	42.4	+1.4	34	12	0.26	—0.47	0.13	12,16	2	+0.8	5.7	+2.4	1	2	1	0	0
PESHAWAR																					
Drosh	63.4	—0.7	83	1	42.3	—1.3	37	16	2.64	+2.30	1.41	11	4	+2.8	2.9	+1.3	2	0	0	0	0
Cherat	64.1	—1.3	77	1	47.7	—0.2	44	24	0.18	—0.19	0.10	11	1	+0.4	6.6	+0.5	0	0	6	0	0
Kakul	69.0	—	79	1	48.4	—	42	12	1.00	—	0.96	12	1	—	x	—	1	1	0	0	0
Balakot (x)	71.0	—	81	2,3	43.7	—	38	28,29	0.89	—	0.89	12	1	—	2.3	—	1	0	0	0	0
Landikotal	67.6	—	80	1,6	41.6	—	36	27,29	0.07	—	0.05	13	0	—	1.9	—	2	0	0	0	0
D. I. KHAN																					
Parachinar	65.2	—0.5	74	5	*	—	—	—	0.05	—0.35	0.05	11	0	—1.2	2.0	+0.2	2	0	0	0	0
Miranshah	71.1	—2.3	80	4 days	46.1	—0.3	39	28,29	0.00	—0.02	0.00	—	0	0.0	2.5	—0.7	0	0	0	0	0
Wana	67.4	—2.7	76	4,5	35.4	—0.1	29	4 days	0.04	—0.03	0.04	19	0	—0.2	0.8	—	0	0	0	0	0
QUETTA																					
Fortsandeman	71.3	—0.1	81	1,6,8	42.7	+1.6	35	29	0.34	+0.21	0.16	18	2	+1.8	1.5	+0.4	0	0	0	0	0
Hindubagh	65.6		79	7	33.9		21	25	0.21		0.12	17	1		4.8		0	0	0	0	0
Loralai	68.7		79	4	36.8		31	25	0.00	—0.16	Tr	17	0	—0.5	3.1		0	0	0	0	0
Harnai									0.00	—0.18	0.00		0	—0.3	x		0	0	0	0	0
Quetta (Samungli)	66.5		77	8	25.6		12	12	0.00		Tr	19,20	0		2.7		0	0	0	0	0
Quetta	64.2		81	1	30.1		19	25	0.00		0.00		0		*		0	0	0	0	0
Chaman	65.9	—1.7	81	1	38.5	—4.9	27	25	0.00	—0.23	0.00		0	—0.7	x		0	0	0	0	0
KALAT (NORTH)																					
Kalat	62.1	—1.6	74	1	29.9	—0.7	17	12,25	0.27	+0.04	0.13	17	1	+0.2	3.3	—0.1	0	0	0	0	0
Nushki	69.8		87	2,9	46.3		34	25	0.00		0.00		0		x		0	0	0	0	0
Dalbandin	70.7	—5.6	89	1	37.9	—2.6	27	27	0.00	—0.06	0.00		0	—0.2	2.6	+0.2	0	0	0	0	0
KALAT (SOUTH)																					
Panjgur	71.6	—4.3	84	3	44.8	—0.8	33	26	0.00	—0.05	0.00		0	—0.2	5.4	+1.5	0	0	0	0	0
AFGHANISTAN																					
Kabul (R)																					
Kandahar	64.0	—	76	8	33.0	—	26	26,27,28	0.00	—	Tr	10	0	—	1.2	—	0	0	0	0	0

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

REGD. No. S - 1452

PAKISTAN WEATHER REVIEW, 1958

MONTHLY WEATHER REPORT

December

(PUBLISHED BY THE AUTHORITY OF THE GOVERNMENT OF PAKISTAN)

Chief Features:

Fairly widespread rain with locally heavy falls in the northern divisions of West Pakistan between the 12th and 15th and again on the 21st and 22nd.

West Pakistan

Three western disturbances moved in close succession during the later half of the second week. The first one while moving across Russian Turkistan caused locally rain in Quetta, D. I. Khan and Peshawar divisions on the 12th and light rain or drizzle in the first two named divisions a day earlier. The other two, which closely followed the first one, were active and moved across the northern divisions of the province. These caused fairly widespread rain or thundershowers practically throughout the province on the 13th and 14th and fairly widespread in Lahore division with local rain in Rawalpindi division and scattered falls in Bahawalpur and Peshawar divisions on the 15th. Locally moderate to heavy rain also fell in the northern divisions on the 14th, while a few falls of snow occurred over the hills of Peshawar, Rawalpindi and D. I. Khan divisions on the 14th and the 15th.

Three more western disturbances moved across the north of West Pakistan during the third week while their secondaries moved northeastwards across south Kalat Division and the adjoining north Arabian Sea. The first two were feeble and caused scattered to local rain or thundershowers in south Kalat division between the 17th and 19th, in Quetta, Kalat and Khairpur divisions and in the Federal Capital Area on the 20th and light rain or drizzle in Quetta and north Kalat divisions a day earlier. The last western disturbance and its secondary were active and caused fairly widespread rain or thundershowers in the northern and central divisions both on the 21st and the 22nd, scattered to local in the southern divisions only on the 21st and fairly widespread in Peshawar division and scattered in Rawalpindi division on the 23rd. The falls were locally moderate to heavy in the northern divisions on the 22nd, while a few falls of snow also occurred in Peshawar and Rawalpindi divisions on the 23rd.

Threafter, under the combined influence of a secondary western disturbance which moved northeastwards across south Kalat division and a well marked low which moved from southeast Rajasthan and adjoining Hyderabad division to Uttar Pradesh, scattered rain fell in Lahore, Multan, Bahawalpur, Quetta and Hyderabad divisions and Federal Capital Area on the 27th and only in north Kalat and Lahore divisions on the 26th and the 28th respectively.

Outstanding amounts of rainfall were:—Chakdara 4", Cherat 3" and Campbellpur 2" on the 13th; Campbellpur 6", Murree 4", Cherat and Kakul 3" each and Drosh 2" on the 14th; Jhelum, Sialkot, Murree, Cherat and Campbellpur 2" each on the 22nd.

The total rainfall during the month was in large excess over the whole region outside Hyderabad Division, where it was in moderate excess. Averaged over the region, it was in large excess.

The mean maximum temperature was below normal in Lahore division, normal else where except in Quetta and Kalat divisions where it was above normal. The mean minimum temperature was normal in the Federal Capital Area and above normal over rest of the region.

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

The mean cloud amount was in defect in Hyderabad division, normal in Bahawalpur and Kalat divisions and in excess over rest of the region.

East Pakistan

The Weather was generally dry during the month. However, under the influence of two westerly low pressure waves which moved across the north of East Pakistan during the second week, scattered rain fell in Chittagong division on the 9th and the 11th and in Rajshahi division and on the 12th. Sylhet recorded 1/2" rain on the 9th and Srimangal 1/4" on the 11th.

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

The mean maximum temperature was normal over the whole region while the mean minimum temperature was above normal.

The mean relative humidity was normal every where and the mean cloud amount was in defect.

Table I contains the divisional means of rainfall, temperature, humidity and cloud amount for the 15 divisions of Pakistan. These means are based on the observations at the stations whose monthly are given in the subsequent tables

TABLE I.—DIVISIONAL MEANS FOR DECEMBER, 1958.

Division	PRECIPITATION				DEPARTURE FROM NORMAL OF				
	Actual	Normal	Departure from normal	Percentage departure from normal	Maximum temperature	Minimum temperature	0300 hrs. G. M. T.		
							Vapour pressure	Relative humidity	Cloud
1	2	3	4	5	6	7	8	9	10
	"	"	"		o	o	Mb.	%	
EAST PAKISTAN									
Chittagong	0.11	0.46	—0.35	—76	+1.3	+2.6	+1.4	—4	—0.4
Dacca	0.00	0.17	—0.17	—100	+1.6	+3.7	+2.1	—1	—0.6
Rajshahi	0.02	0.12	—0.10	—83	+1.7	+4.0	+2.5	+4	—0.6
Mean	0.04	0.24	—0.20	—83	+1.5	+3.5	+2.0	0	—0.5
WEST PAKISTAN									
Kashmir (x)									
Lahore	3.61	0.59	+3.02	+512	—2.7	+5.5	+2.7	+5	+0.5
Rawalpindi	6.67	1.16	+5.51	+475	—1.1	+3.1	+2.3	+16	+1.0
Multan	1.61	0.25	+1.36	+544	—0.7	+4.9	+2.4	+16	—0.8
Bahawalpur	1.32	0.13	+1.19	+915	—1.9	+5.4	+3.3	+12	—0.1
Peshawar	6.35	1.14	+5.21	+457	+1.2	+2.6	+1.5	+9	+0.7
D. I. Khan	2.60	0.65	+1.95	+300	—0.8	+3.5	+1.7	+8	+0.5
Quetta	1.92	0.70	+1.22	+174	+3.5	+4.5	+0.5	—7	+0.7
Kalat	1.15	0.62	+0.53	+85	+2.2	+3.7	+1.4	+5	+0.3
Federal Capital Area	0.31	0.20	+0.11	+55	+1.1	+1.6	+4.5	+13	+1.2
Hyderabad	0.18	0.12	+0.06	+50	+1.7	+2.6	+3.2	+17	—0.5
Khairpur	0.40	0.10	+0.30	+300	+1.0	+4.4	+2.9	+15	+1.2
Mean	1.95	0.53	+1.42	+268	+1.1	+3.9	+2.0	+8	+0.4
Junagadh (x)									

(x) Data not available.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF DECEMBER, 1958.

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 1000 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
EAST PAKISTAN	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas										
Chittagong Division																							
Cox's Bazar (P.T.)	0300	38	1016.5	+1.8	1017.8	72.7	66.3	62.4	19.3	+0.3	69	−9	1.8	+0.1	10	10	5	2	0	0	0	4	0
	1200		1013.5		1014.9	72.5	66.2	62.1	19.3		69		2.5		4	1	0	0	0	2	5	18	1
Chittagong (Patenga)	0000	20	1015.2		1015.9	61.5	60.6	59.6	17.2		94		1.4		0	19	0	0	0	0	0	2	10
	0300		1017.3		1018.0	69.1	64.4	61.3	18.7		77		1.5		7	18	1	0	0	0	0	0	5
	1200		1013.9		1014.6	72.7	66.2	61.8	19.3		69		1.1		1	1	0	0	0	0	6	10	13
Chittagong	0300	46	1016.6	+1.5	1018.2	71.6	66.1	63.0	19.7	+1.8	73	−9	1.4	−0.2	2	15	3	1	0	0	0	1	9
	1200		1013.1		1014.7	71.4	65.8	62.7	19.0		73		0.9		9	0	0	0	0	0	6	13	3
Maijdee Court	0000	25	1015.3		1016.1	61.2	60.3	58.3	17.2		94		0.3		1	0	0	0	0	0	0	0	30
	0300		1016.0	0.0	1016.9	70.1	65.0	61.1	18.8	+0.9	75	−6	0.5	−0.8	1	0	0	0	0	0	0	0	30
	1200		1013.6		1014.5	72.5	65.8	61.2	19.3		69		0.6		0	0	0	0	0	0	0	0	31
Comilla	0000	29	1014.9		1015.9	58.8	57.9	56.5	14.9		94		0.6		0	0	0	0	0	0	0	0	31
	0300		1016.7	+0.6	1017.7	69.2	64.0	61.0	18.4	+0.9	76	−1	0.5	−0.5	0	0	0	0	0	0	0	0	31
	1200		1013.5		1014.5	72.7	67.0	63.4	18.1		75		0.7		0	0	0	0	0	0	0	0	31
Brahmanbaria	0000	32	1015.4		1016.5	61.2	59.9	58.7	16.9		92		0.4		0	0	0	0	0	0	0	0	31
	0300		1017.4		1018.5	69.7	64.9	61.4	18.9	+1.9	76	+5	1.1		0	0	0	0	0	0	0	0	31
	1200		1013.6		1014.7	70.8	65.3	61.6	18.8		73		1.6		0	0	0	0	0	0	0	0	31
Srimangal	0000	69	1014.1		1016.7	53.0	52.8	52.6	13.5		99		0.6		0	0	0	0	0	0	0	0	31
	0300		1015.8	+1.1	1018.3	66.2	62.8	60.4	17.9	+2.4	81	−3	0.6	−0.7	0	0	0	0	0	0	0	0	31
	1200		1012.2		1014.7	65.4	63.5	62.9	18.1		89		1.3		0	0	0	0	0	0	0	0	31
Sylhet	0000	115	1011.6		1015.8	58.8	57.9	57.2	16.0		95		1.4		0	2	21	0	0	0	0	0	8
	0300		1013.7		1017.9	66.9	63.4	60.9	18.4		81		1.4		0	0	30	1	0	0	0	0	0
	1200		1010.1		1014.2	68.9	64.3	61.1	18.7		77		2.1		0	0	1	0	0	0	8	1	21
Dacca Division																							
Mymensingh	0000	62	1014.4		1016.6	60.0	58.8	57.7	15.6		88		1.0		0	1	1	0	0	0	1	0	28
	0300		1016.6	+1.2	1018.8	65.1	62.8	61.3	18.2	+1.8	86	+3	0.7	−0.8	0	2	16	0	0	0	4	0	9
	1200		1012.7		1014.9	72.5	66.2	62.2	19.3		69		1.1		0	0	2	0	0	0	4	0	25
Narayanganj	0000	26	1015.0		1015.9	61.5	60.2	59.1	17.0		91		1.0		0	0	0	0	0	0	0	0	31
	0300		1017.4	+1.1	1018.2	69.1	64.3	61.3	18.1	+1.5	75	+3	0.5	+1.0	2	1	2	0	0	1	1	7	17
	1200		1013.8		1014.6	71.7	65.4	60.3	18.5		69		1.0		0	0	0	0	0	0	0	2	29
Dacca (Tejgaon)	0000	27	1014.5		1015.5	57.3	56.9	56.5	15.4		97		9.0		3	0	0	1	0	1	0	3	23
	0300		1016.8		1017.8	67.6	64.3	62.0	19.1		82		1.0		4	3	0	0	0	0	1	5	18
	1200		1013.2		1014.2	70.3	64.6	59.7	18.2		73		2.6		1	0	0	0	0	0	4	2	24

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF DECEMBER, 1958.

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
Dacca Division	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas										
Faridpur	0000	46	1014.8		1016.4	60.2	59.1	58.4	16.6	+2.3	94		1.0		6	0	0	0	0	0	0	3	22
	0300		1017.1	+1.5	1018.7	69.1	64.5	61.2	18.7		77	—3	0.6	—0.4	19	0	0	0	0	0	1	2	9
	1200		1012.9		1014.6	73.5	67.0	61.6	19.3		69		2.3		4	0	0	0	0	0	0	2	25
Barisal	0000	11	1015.7		1016.1	64.9	61.5	60.7	17.1		81		1.0		1	0	0	0	0	0	0	0	30
	0300		1017.4	+1.0	1017.8	70.5	65.9	64.1	20.2	+2.6	78	—1	0.9	—0.2	11	4	0	0	0	0	0	0	16
	1200		1014.0		1014.4	75.9	67.7	62.8	19.8		64		0.7		0	3	0	0	0	0	0	0	28
Rajshahi Division																							
Khulna	0000	16	1015.7		1016.3	61.8	60.4	59.6	17.3		91		0.3		0	0	0	0	0	0	0	0	31
	0300		1018.0	+1.0	1018.6	71.0	65.1	61.2	18.4	+2.4	71	+4	0.4	—0.9	2	1	0	0	0	0	0	0	28
	1200		1014.3		1014.9	73.2	66.0	61.2	18.7		67		0.2		0	0	0	0	0	0	0	0	31
Satkhira	0000	16	1015.8		1016.4	59.9	58.8	57.5	16.6		94		0.0		0	0	0	0	0	0	0	0	31
	0300		1017.8	+1.0	1018.4	68.9	63.7	60.6	18.1	+2.3	75	0	0.6	—0.5	14	5	0	1	0	0	1	2	8
	1200		1014.7		1015.3	71.7	65.3	61.5	18.3		69		0.8		0	1	0	0	0	0	0	1	29
Jessore	0000	26	1015.0		1015.9	56.9	55.9	54.5	14.9		94		0.7		3	0	0	0	0	0	0	0	28
	0300		1017.5	+1.7	1018.4	66.1	63.2	61.2	18.3	+2.7	84	+10	0.2	—0.8	8	12	1	1	0	3	2	3	1
	1200		1014.0		1014.9	75.1	67.6	62.6	19.6		66		1.2		19	0	1	0	1	0	7	2	1
Pabna	0000	48	1014.5		1016.1	58.9	57.8	57.2	16.0		94		0.9		6	1	0	0	0	0	0	11	13
	0300		1015.8		1017.5	67.1	63.5	60.9	18.4	+2.2	81	+5	1.5		1	2	0	2	0	0	0	25	1
	1200		1012.5		1014.2	70.2	64.9	61.4	18.2		73		0.0		1	0	0	1	0	0	0	12	17
Serajganj	0000	51	1013.7		1015.6	59.9	59.5	59.3	17.1		97		1.1		0	0	0	0	0	0	0	0	31
	0300		1016.6		1018.4	69.1	65.1	62.6	19.3		80		0.4		0	0	0	0	0	0	0	2	29
	1200		1012.8		1014.7	68.9	66.5	64.9	21.1		87		0.0		0	0	0	0	0	0	0	0	31
Rajshahi	0300												3.3										
Bogra (P.B.O.)	0000	65	1013.8		1016.1	58.8	58.0	55.5	16.0		95		0.9		1	2	0	0	0	0	0	1	27
	0300		1016.1	+0.8	1018.4	66.5	63.4	60.5	19.0	+3.7	83	+7	1.0	—0.1	8	7	1	0	0	2	0	1	12
	1200		1012.3		1014.6	70.5	64.9	60.7	19.0		73		1.1		0	1	0	0	0	0	2	2	26
Dinajpur	0000	123	1011.6		1016.1	56.4	55.1	53.8	13.8		90		0.0		0	0	0	0	0	0	0	0	31
	0300		1013.8	+0.5	1018.2	65.5	61.4	58.7	16.5	+2.0	78	—3	0.3	—0.7	0	0	0	0	0	0	0	0	31
	1200		1009.9		1014.2	71.3	64.8	60.3	17.8		69		0.4		0	0	0	0	0	0	0	0	31
Rangpur	0000					57.6	56.9	56.0	15.9		97		0.5		2	2	0	0	0	0	3	0	24
	0300					63.9	61.7	60.0	18.1		89		1.5		9	13	1	1	0	2	0	3	2
	1200					69.2	64.6	61.4	18.7		77		1.4		0	1	0	1	0	0	1	0	28

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF DECEMBER, 1958.

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 Jail Rd.	0000	702	992.1		1017.9	48.9	48.5	48.0	11.4		97		2.3		0	0	1	1	0	0	0	2	27
	0300		993.4	+0.1	1019.1	50.1	49.4	48.7	11.7	+2.8	95	+10	3.1	+0.7	1	0	1	1	0	0	0	0	28
	1200		991.6		1016.5	63.4	58.6	54.7	14.6		73		4.3		0	1	0	2	0	0	3	2	23
,, (Cantt.)	0000	703	991.5		1017.5	49.5	48.3	46.9	11.0		91		2.1		3	1	2	1	0	0	1	7	16
	0300		992.8	—	1018.9	49.9	48.5	47.2	11.0	—	90	...	3.3	...	3	1	5	0	0	0	2	5	15
	1200		991.1		1016.2	64.5	57.6	52.0	13.2		63		4.5		0	3	2	3	1	2	5	7	8
,, (Walton)	0000	699	(x)																				
	0300		993.3	—	1018.9	49.9	48.8	47.8	11.3	...	92	...	3.4	...	1	1	2	2	0	0	1	3	21
	1200		991.2 (c)		1016.1 (c)	64.9	58.9	54.3	14.3		68		4.2		0	4	1	2	1	0	0	11	12
Sialkot	0000	830	986.7		1017.0	48.6	48.0	47.5	11.1		96		1.9						*				
	0300		988.6	—0.3	1018.6	53.8	51.5	49.9	11.9	+2.6	85	+1	2.5	+0.4					*				
	1200		986.4		1015.7	62.1	57.8	54.3	14.4		75		4.9						*				
RAWALPINDI																							
Jhelum	0000	765	989.7		1017.8	47.6	46.2	44.8	10.0		89		2.5		2	0	0	1	0	1	1	2	24
	0300		991.1	—	1019.2	48.4	46.7	45.0	10.1	...	87	...	4.3	...	1	0	2	1	1	0	2	4	20
	1200		989.0		1016.2	62.8	56.3	50.7	12.6		65		4.5		0	1	0	2	0	1	2	6	19
Chaklala	0000	1667	958.6		1019.1	44.8	43.8	42.6	9.3		92		3.7		7	0	2	0	0	0	2	4	16
	0300		959.8	—	1020.4	44.5	43.4	42.4	9.1	...	91	...	4.9	...	1	1	0	0	0	1	3	9	16
	1200		958.1		1016.8	60.1	53.2	47.0	11.3		62		5.0		1	1	2	2	1	2	13	2	7
Rawalpindi	0000	1676	(x)		(x)	44.9	43.7	42.8	9.2		91		1.3		9	0	0	0	1	1	0	3	17
	0300		(x)	—	(x)	45.1	44.3	42.9	9.3	+2.3	94	+18	4.3	+1.7	7	1	0	0	3	3	1	2	14
	1200		(x)		(x)	58.6 (d)	53.1 (d)	48.1 (d)	11.5 (d)		69 (d)		4.6		5	0	0	0	3	4	8	1	10
Khushab	0000	616	*		*	46.9 (a)	45.3 (a)	43.3 (a)	11.1 (a)		88 (a)		1.9		0	1	2	0	0	0	0	0	28
	0300		995.8	—1.4	1018.4	49.7	48.2	46.4	11.0	+4.4	89	+28	1.4	—1.1	0	1	3	0	0	1	0	1	25
	1200		994.1		1015.9	67.6	58.0	49.0	12.3		49		3.0		0	0	1	0	0	0	1	1	28
Sargodha (x)	0000	614																					
	0300																						
	1200																						
MULTAN																							
Lyallpur	0000	605	995.7		1017.9	48.9	47.5	45.9	10.7		89		1.7		0	3	0	2	0	5	0	0	21
	0300		996.7	—0.1	1019.0	49.5	48.3	47.7	11.4	+2.9	93	+17	4.5	+1.3	0	5	2	0	1	1	0	1	21
	1200		995.1		1016.6	66.6	58.3	52.1	14.5		57		4.3		1	1	1	1	1	1	1	3	21
Montgomery	0000	558	997.3		1017.8	48.2	46.7	44.8	10.2		89		0.7		0	1	0	9	0	1	0	3	17
	0300		998.7	0.0	1019.1	50.4	49.3	48.1	11.5	+2.7	93	+16	1.3	—0.5	0	0	0	1	0	0	0	0	30
	1200		997.0		1016.7	67.1	60.0	54.3	14.5		64		1.9		0	0	0	0	0	1	0	0	30
Multan (P.B.O.)	0000	404	1002.8		1017.9	48.9	47.9	46.9	10.9		93		2.1		1	2	0	1	1	0	0	1	25
	0300		1004.3		1019.3	49.4	48.3	47.1	11.0	...	88	...	3.4	...	2	1	0	0	0	0	0	1	27
	1200		1002.2		1016.8	65.9	59.4	54.3	14.0		66		3.3		2	0	0	0	1	2	0	0	26
Multan (Surface)	0300	413	1003.7	—0.4	1019.0	53.1	51.0	48.9	11.8	+1.6	86	+14	3.4	+1.6	5	3	1	3	4	0	0	0	15
	1200		1002.2		1016.9	67.9	60.1	54.4	14.2		60		3.2		2	0	0	0	2	0	0	0	27

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

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF DECEMBER, 1958.

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
	G.M.T.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas										
BAHAWALPUR																							
Lelah (R)	0000	490																					
	0300																						
	1200																						
Khanpur (Surface) (R)	0300	297																					
	1200																						
,, (P.B.O.)	0000	290	1006.5		1017.3	49.2	48.0	46.6	10.8		91		1.7		0	5	1	1	0	0	1	0	23
	0300		1008.1	—	1018.8	50.3	48.4	46.4	10.7	—	86	—	3.1	—	2	4	0	0	2	3	0	0	20
	1200		1005.6		1016.0	69.7	59.5	51.1	12.8		52		2.9		3	6	2	0	0	1	1	1	17
Bahawalpur	0300	384	1005.4	+0.5	1019.5	53.2	51.2	47.9	12.0	+3.3	86	+12	1.8	—0.1	0	0	0	3	1	0	0	0	27
	1200		1002.7 (m)		1016.3 (m)	69.1	60.2	53.1	13.8		56		2.3		1	2	2	1	1	1	0	2	21
Fort Abbas	0000	475	1000.3		1017.8	49.0	*	*	*		*		1.5		0	23	0	4	0	4	0	0	0
	0300		1001.7 (i)	—	1019.0 (i)	56.4 (h)	*	*	*	—	*	—	1.4	—	0	23	0	3	0	5	0 (i)	0	0
	1200		998.9		1015.8	66.7	*	*	*		*		0.9		0	11	0	1	0	10	0	0	0
PESHAWAR																							
Chakdara	0000	2197	940.1		1019.3	42.1	40.1	37.4	7.6		84		3.1		1	0	0	0	0	0	0	0	30
	0300		940.5	—	1020.0	42.3	40.5	38.3	7.9	—	86	—	4.0	—	0	1	0	0	0	1	0	0	29
	1200		938.5		1015.1	58.2	50.7	44.1	9.6		58		4.9		2	0	1	1	0	6	0	0	21
Peshawar	0000	1177	976.4		1019.3	47.2	44.4	40.8	8.7		79		3.4		0	0	0	1	8	6	0	1	15
	0300		977.4	—0.6	1020.4	46.7	43.9	40.5	8.5	+2.1	79	+14	4.5	+0.5	0	0	0	1	8	4	0	1	17
	1200		975.7		1017.6	60.4	53.7	47.7	11.1		61		5.4		1	1	0	2	2	2	1	0	22
Risalpur	0000	1009	982.8		1020.1	42.4	40.5	37.5	7.7		83		3.0		0	4	0	1	0	1	1	2	22
	0300		983.5	—	1020.7	44.8	42.5	40.5	8.2	—	81	—	3.9	—	0	0	0	0	0	0	1	2	28
	1200		981.4		1017.3	63.6	53.7	47.0	9.8		48		4.7		0	1	1	0	0	1	3	2	23
Haripur	0300	1757	956.0	—	1019.4	47.0	44.5	42.0	9.0	—	82	—	4.9		0	1	0	0	0	20	9	1	0
	1200		954.4		1015.9	60.6	54.9	50.3	12.4		69		4.9		1	2	0	2	3	13	2	8	0
Campbellpur	0300	1175	977.5	—	1020.5	47.4	44.2	42.2	8.5	—	77	—	4.0		0	9	0	0	0	0	0	0	22
	1200		975.5		1017.3	60.2	53.7	47.0	11.4		62		5.2		6	10	1	0	0	0	0	1	13
D. I. KHAN																							
Kohat	0000	1667	960.1		1020.1	49.5	44.9	39.2	8.3		69		3.0		0	1	0	0	1	0	0	21	8
	0300		960.9	—	1021.0	49.4	44.7	39.0	8.2	—	69	—	4.3		3	2	1	2	0	0	2	11	10
	1200		959.3		1017.9	61.5	52.4	44.3	9.8		52		4.8		1	2	2	1	1	0	2	4	18
Bannu	0000	1263	971.7		1017.7	47.6	45.4	43.7	9.4		85		1.6		0	0	0	0	0	0	2	1	28
	0300		972.5	—	1018.3	48.5	45.9	43.2	9.8	+3.2	81	+21	3.0	+0.8	3	0	1	0	1	1	6	2	17
	1200		970.9		1015.9	64.4	56.1	48.2	11.9		57		3.1		0	1	0	5	2	1	1	1	20
D. I. Khan	0000	570	*		*	48.5	47.3	44.9	10.5		91		1.0		0	0	0	0	0	0	0	0	31
	0300		997.2	—1.4	1018.1	49.7	48.3	46.7	10.9	+3.5	89	+17	2.8	+0.5	1	0	0	0	0	0	0	0	30
	1200		996.1		1015.9	65.8	59.0	54.5	14.0		64		3.1		0	0	0	0	0	0	0	1	30

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

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF DECEMBER, 1958.

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
QUETTA	G.M.T.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	Oktas										
Sibi *	0000	441																					
	0300																						
	1200																						
KALAT (NORTH)																							
Nokkundi	0000	2229	939.4		1018.6	51.1	44.4	36.8	7.2		58		1.0		7	12	1	1	2	0	1	7	0
	0300		940.8		1020.1	50.1	44.1	36.8	7.4	+1.5	60	+6	0.7	—2.0	8	13	3	0	0	2	2	3	0
	1200		938.2		1014.0	69.0	53.5	31.9	7.7		32		1.3		2	0	7	11	3	3	1	4	0
KALAT (SOUTH)																							
Turbat*	0000	510																					
	0300																						
	1200																						
Jiwani	0000	185	1010.2		1016.6	64.8	60.1	55.7	15.7		75		2.3		11	4	2	1	2	0	3	3	5
	0300		1011.4		1018.1	64.4	59.4	54.5	15.0		73		3.8		13	10	0	2	0	0	1	2	3
	1200		1009.2		1015.7	74.9	63.7	54.0	15.1		51		4.6		1	2	2	2	8	7	4	5	0
Pasni	0000	28	1014.6		1015.6	62.9	60.2	57.9	16.7		85		2.4		0	3	2	0	0	3	6	8	9
	0300		1016.0	—0.9	1017.0	62.9	60.5	57.5	16.7	+2.6	85	+10	4.2	+2.4	1	4	3	0	0	0	4	10	9
	1200		1013.9		1014.9	75.8	69.7	62.9	19.8		64		4.4		0	4	2	5	5	11	1	2	1
Ormara	0000	15	1015.4		1015.9	63.4	60.1	57.4	16.2		81		2.9		0	0	1	0	1	2	2	1	24
	0300		1016.8		1017.	63.8	60.0	57.5	15.9	+0.9	79	+2	3.3	+1.2	0	3	3	0	1	0	0	1	23
	1200		1014.6		1015.1	75.5	66.2	59.6	17.7		59		3.5		0	1	3	4	3	4	12	0	4
Lasbela	0000	292	*			*	*	*					0.0		0	0	1	0	1	0	0	0	29
	0300		1008.3	+0.9	1018.8	64.2	57.3	50.8	13.0	+2.0	62	+1	0.0	—1.3	8	1	0	0	0	1	1	3	17
	1200		1005.2		1015.3	80.5	65.2	52.9	14.4		40		0.4		1	0	0	5	1	11	2	0	11
FEDERAL CAPITAL AREA																							
Karachi (Manora)	0000	13	1015.3		1015.8	65.2	60.9	57.6	16.3		77		1.7		6	8	1	0	0	0	2	0	14
	0300		1017.0	—0.5	1017.5	66.4	61.7	58.2	16.4	+4.5	75	+13	3.0	+1.2	2	7	8	0	1	0	2	0	11
	1200		1014.2		1014.7	75.1	66.6	60.8	18.4		62		3.3		0	3	1	2	1	2	5	10	7
Karachi (Masripur)	0000	52	1014.1		1015.9	61.8	57.8	54.5	14.6		77		1.4		6	15	4	0	0	0	2	0	4
	0300		1015.6		1017.4	61.9	57.0	52.5	13.7		72		2.8		7	11	4	0	0	1	0	0	7
	1200		1013.1		1014.9	75.9	64.4	55.5	15.4		51		3.0		0	7	2	1	5	11	4	1	0
Karachi (City)	0300	20	1016.5		1017.4	64.9	59.8	55.3	15.4		73		2.2		3	17	4	0	0	2	1	0	4
	1200		1012.8		1013.7	74.8	64.8	56.6	16.3		56		2.2		0	4	2	0	1	17	4	0	3
Karachi (P.A.F.)	0000	24	1015.0		1015.9	62.4	57.7	53.3	14.1		73		1.4		6	11	2	0	0	3	1	0	7
	0300		1016.4		1017.3	61.9	56.9	52.5	13.6		72		2.5		3	10	2	0	0	2	0	0	14
	1200		1013.8		1014.7	76.4	63.8	53.4	14.5		47		2.8		2	6	2	2	4	11	0	0	4
Karachi (Airport)	0000	73	1013.6		1016.4	60.9	57.2	54.0	14.3		78		1.1		4	3	0	0	0	1	1	3	19
	0300		1015.2		1018.0	60.5	56.6	53.2	13.9		78		2.8		1	1	1	0	0	2	0	0	26
	1200		1012.5		1015.1	76.6	64.1	54.2	14.8		47		3.2		0	8	1	3	4	8	2	1	4
HYDERABAD																							
Badin	0000	31	1014.4		1015.5	57.2	53.7	49.7	12.5		78		0.3						*				
	0300		1016.6	+0.3	1017.7	59.9	54.8	51.0	12.8	+2.8	75	+14	0.7	—0.6					*				
	1200		1014.0		1015.1	78.7	67.5	59.4	17.8		52		0.3						*				
Nagarparkar	0000	178 (Prov)	x		x	x	x	x					x						x				
	0300		1010.2		1016.4	69.9	58.0	47.8	11.1		44		0.0		0	0	0	(b) 0	0	3	4	0	22
	1200		1007.9		1013.9	81.2	62.7	47.5	11.0		30		0.0		0	0	0	(a) 0	0	8	6	0	16

(a) Mean for 30 days. (x) Data not available. (*) Dat rejected. (b) Mean of 29 days.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF DECEMBER, 1958.

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 1,013.25 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										
Umarkot	0000	55	1013.4		1015.4	56.6	53.0	49.4	12.1		78		0.2		6	6	2	1	3	0	0	1	12
	0300		1015.2		1017.2	54.6	51.9	49.1	12.0		83		1.5		9	5	0	1	2	0	0	1	13
	1200		1012.3		1014.3	77.9	63.4	51.8	13.4		41		1.0		13	0	0	0	1	3	2	8	4
Chhor	0000	19	1015.3		1016.0	53.1	50.2	47.1	11.1		80		2.2		4	4	0	0	0	1	0	0	22
	0300		1017.2		1017.9	56.7	52.2	47.1	11.3		72		3.3		9	8	0	0	1	1	1	3	8
	1200		1013.9		1014.6	77.9	61.0	45.8	10.7		33		2.6		8	6	1	0	0	5	7	2	2
Hyderabad	0000	98	1012.8		1016.4	57.7	54.1	50.8	12.6		78		0.5		16	0	0	1	1	0	0	2	11
	0300		1014.6	—0.2	1018.1	57.9	54.2	50.7	12.7	+3.6	77	+19	1.0	—0.4	13	3	0	0	2	0	0	3	10
	1200		1011.7		1015.2	76.1	61.4	49.6	12.0		39		1.7		8	11	1	0	1	5	1	2	2
KHAIRPUR																							
Padidan	0000	153	1011.2		1016.9	52.3	50.4	48.4	11.3		86		1.6		6	4	2	1	1	0	1	5	11
	0300		1012.9		1018.6	52.1	50.2	48.4	11.3		86		2.5		6	1	2	1	0	1	2	5	13
	1200		1010.9		1015.6	75.6	60.6	49.3	11.6		38		2.8		11	4	0	2	3	0	1	2	8
Nawabshah	0000	124	1012.8		1017.4	53.5	50.8	48.2	11.5		82		1.3		5	2	0	0	0	0	0	4	20
	0300		1014.6		1019.3	54.0	51.0	48.0	11.4		80		3.1		3	0	0	2	0	0	0	7	19
	1200		1011.9		1016.3	74.4	61.5	49.9	13.1		42		3.5		10	2	0	2	3	0	0	1	13
Sukkur	0300	221	1010.3	—0.1	1018.4	55.9	53.8	50.4	12.3	+3.1	82	+17	2.9	+1.6	1	4	0	4	2	0	0	0	20
	1200		(a) 1001.6		(a) 1015.4	(a) 71.8	(a) 60.6	(a) 51.4	13.2		49		(a) 4.0		6	6	2	(a) 3	2	3	2	2	4
Kashmore*	0000	255																					
	0300																						
	1200																						
Jacobabad	0000	183	1010.5		1017.6	54.1	50.9	47.5	11.3		80		1.2		8	0	11	1	4	0	0	1	6
	0300		1011.9	—0.3	1018.7	54.3	51.2	48.0	11.5	+2.8	80	+12	2.4	+0.8	2	3	7	2	4	0	0	2	11
	1200		1009.3		1015.8	73.2	61.6	51.6	13.5		49		3.1		0	3	0	6	4	3	3	9	3
JUNAGADH																							
Veraval	0300																						
	1200	26	(b) 1014.9		(b) 1015.9	(b) 68.4	(b) 59.6	(b) 52.6	13.4		57		(c) 0.9		5	17	3	0	(b) 0	0	0	1	3
			1012.3		(a) 1013.3	(b) 80.1	69.1	(c) 62.0	19.3		55		(a) 1.3		0	3	1	1	(a) 5	7	7	6	0
AFGHANISTAN																							
Jalalabad (x)	0300	1950																					
	1200																						
ARABIA																							
Muscat	0300	20	1016.9		1017.6	69.8	63.9	60.0	17.7		71		2.8	+0.6	0	0	0	2	0	1	2	3	23
	1200		1014.9		1015.6	74.4	67.8	63.7	20.1		70		2.8		3	0	15	1	0	0	0	9	3
HILL STATIONS KASHMIR																							
Srinagar (x)	0000	5205																					
	0300																						
	1200																						

(x) Data not available. (*) Data rejected. (a) Mean for 30 days. (b) Mean for 29 days. (c) Mean for 28 days.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF DECEMBER, 1958.

DIVISION AND STATION	Hours of observation.	Height of bar cistern above mean sea level.	Mean Pressure: Station level reduced to temperature standard 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										
Gulmarg (x)	0300	8709																					
	1200																						
Gurez (x)	0300	...																					
	1200																						
Sonemarg (x)	0300																						
	1200																						
Dras (x)	0300	10059																					
	1200																						
Kargil (x)	0300	...																					
	1200																						
Leh (x)	0300	...																					
	1200																						
Skardu (x)	0000	7250																					
	0300																						
	1200																						
Misgar	0000	10190	699.9		31080	19.2	*	*	*		*		3.8		0	0	0	0	0	0	0	0	31
	0300		699.2	...	309.5	21.9	*	*	*	...	*	...	3.9	...	0	0	0	0	0	0	3	0	28
	1200		697.4		307.3	30.4	*	*	*		*		3.8		0	1	6	2	0	0	2	0	20
Aliabad (x)	0300	6850																					
	1200																						
Gilgit (P.B.O.) (x)	0000	4800																					
	0300																						
	1200																						
RAWALPINDI																							
Murree	0000	7113	784.6		15111	40.5	35.1	27.2	5.0		58		4.6		0	7	2	15	0	0	0	7	0
	0300		786.4	+0.3	1527	42.1	35.0	23.5	4.4	+0.1	49	+1	5.5	+2.4	1	3	4	12	0	0	2	2	7
	1200		785.5		151	44.1	37.3	27.0	5.1		51		5.3		0	8	5	7	0	0	2	4	5
PESHAWAR																							
Drosh	0000	4806	858.8	+0.3	1548	40.7	36.6	30.3	5.7		68		4.0		0	5	0	0	0	3	0	0	23
	0300		859.4	+.03	155	40.0	36.1	30.2	5.6	+0.4	67	+2	4.8	+1.3	0	1	4	0	0	0	0	0	26
	1200		857.3		153	47.3	40.4	30.5	5.8		52		5.8		0	3	5	6	0	1	0	0	16
Cherat (x)	0000	4272																					
	0300		*		*	48.7	42.8	35.5	7.0	+2.0	59	+11	3.3	+0.4	9	1	0	10	11	0	0	0	0
	1200		x		*	51.6	44.4	35.8	7.1		56		4.2		8	3	0	7	13	0	0	0	0
Kakul	0000	4214	874.6		1517	46.1	40.0	31.3	6.0		56		3.7		5	7	4	1	1	1	1	11	0
	0300		875.5	...	1526	46.4	40.4	31.6	6.1	...	57	...	5.1	...	7	9	3	3	0	0	0	9	0
	1200		874.2		151	52.2	45.1	36.9	7.4		55		4.8		2	3	3	7	5	1	2	7	1
Balakot	0000	3226	(x)		(x)	41.9	39.6	36.9	7.3		82		4.4		2	0	0	0	0	1	0	1	27
	0300		(x)		(x)	42.2	39.7	36.2	7.4		82		5.5		3	0	0	0	0	0	0	2	26
	1200		(x)		(x)	53.9	48.0	42.2	9.0		63		5.7		3	1	0	0	1	2	0	1	23
Landikotal	0000	3503	896.8		150	42.3	38.0	30.1	6.1		65		2.9		4	2	0	0	0	0	0	1	24
	0300		897.8	...	151	43.6	38.4	28.8	5.8	...	60	...	3.7	...	4	2	0	0	0	0	0	2	23
	1200		896.5		150	54.0	45.1	31.1	6.7		46		4.5		3	1	0	1	0	3	0	1	22

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

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF DECEMBER, 1958.

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 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
	GMT.	Ft.	Mb.	Mb.	Mb	°F	°F	°F	Mb.	Mb.	%	%	oktas										
D. I. KHAN																							
Parachinar	0000	5673	828.8		152.2	39.2	34.3	26.7	5.0		61		1.8		14	1	0	1	0	0	1	4	10
	0300		829.9	+0.7	153.3	39.9	34.9	27.4	5.1	—0.2	62	—1	4.0	+1.0	6	1	0	0	0	1	0	3	20
	1200		828.6		151.5	51.0	41.4	29.1	5.4		44		4.5		0	0	5	13	1	1	1	2	8
Miranshah	0000	3026	912.8		150.2	41.2	37.2	31.0	5.9		67		1.5		0	5	0	0	0	0	0	0	26
	0300		914.3	—	151.7	45.8	39.9	32.0	6.0	+1.3	57	+3	2.0	—1.0	0	2	0	0	0	0	1	1	28
	1200		912.2		151.5	60.5	49.4	35.7	7.6		42		1.3		0	5	2	2	0	0	0	0	22
Wana	0300	4503	865.8	—	152.0	37.2	33.9	28.1	5.3	+0.5	71	+1	2.8	+1.2	0	0	0	0	1	1	0	0	29
	1200		863.4		150.4	56.8	44.6	28.3	5.3		33		3.2		0	0	2	6	1	2	1	0	19
QUETTA																							
Forts Sandeman	0300	4614	863.6	+0.9	1534.3	42.6	37.8	31.2	5.8	+0.6	61	—12	3.6	+1.0	1	2	3	2	2	2	0	1	18
	1200		861.3		1517.1	59.0	45.9	29.6	5.3		31		3.4		5	2	1	1	2	0	3	2	15
Hindubagh	0000	5909	822.2		1529.8	37.5	33.7	28.2	5.2		69		3.1		0	0	1	0	0	5	7	2	16
	0300		823.0		1537.0	36.3	33.0	28.0	5.2		72		3.6		0	0	1	0	0	2	12	2	14
	1200		821.7		1514.7	53.7	44.0	33.3	6.4		46		4.3		0	0	3	0	0	5	18	0	5
Loralai	0000	4699	858.5		1512.0	40.2	36.7	30.8	6.0		71		2.7		0	0	0	0	0	2	21	2	6
	0300		859.4		1520.0	38.6	35.5	30.5	5.8		73		3.2		0	0	0	0	0	8	10	7	6
	1200		857.5		1505.0	57.5	46.9	33.4	6.7		41		3.6		0	1	7	14	3	1	0	3	2
Harnai	0300												2.1		0	0	0	0	0	0	31	0	0
	1200												2.5		0	0	11	0	17	0	3	0	0
Quetta (Samungli)	0000	5213	843.4		1523.4	33.5	32.3	30.5	5.7		89		2.8		0	0	4	3	1	0	0	0	23
	0300		844.2		1530.8	34.1	32.9	31.2	6.1		89		4.2		0	0	5	10	1	3	0	2	10
	1200		842.4		1509.7	54.1	48.8	44.2	9.9		69		5.0		3	0	1	1	2	0	5	17	2

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF DECEMBER, 1958.

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	0300	5490	835.2	—1.1	1533.3	41.5	36.8	30.2	5.7	+0.7	64	—9	3.7	+1.0	2	1	0	1	8	1	0	1	17
	1200		x		x	x	x	x					x						*				
Chaman	0000	4311	872.8		1530.9	45.3	40.1	33.0	6.1		61		2.6		0	13	0	7	0	0	0	4	7
	0300		873.8	+0.9	1540.3	45.9	40.4	33.3	6.1	+0.2	60	0	3.1	+0.2	0	7	0	12	0	1	1	3	7
	1200		872.1		1521.1	56.5	46.8	36.1	6.6		45		3.8		0	1	0	5	0	5	0	14	6
KALAT NORTH																							
Kalat	0000	6616	801.6		1540.4	34.3	32.0	28.4	5.3		79		2.8		1	0	0	1	17	4	0	1	7
	0300		802.9	+1.3	1552.8	35.0	32.4	28.5	5.3	+1.4	77	+13	3.5	+1.3	1	0	0	2	16	1	0	1	10
	1200		801.3		1522.4	50.6	42.8	33.4	6.6		53		4.0		7	0	0	0	4	6	0	8	6
Nushki	0000	3416	*		*	52.7	45.0	33.7	7.1		53		0.9		7	9	7	0	3	0	3	2	0
	0300		*		*	52.5	44.5	34.3	6.8		51		1.0		5	15	3	3	0	1	0	4	0
	1200		*		*	63.3	50.1	35.1	7.0		35		1.4		15	1	1	0	6	2	0	6	0
Dalbandin	0000	2785	920.9		1502.2	45.5	41.9	37.0	7.6		72		3.3		3	11	2	0	1	2	0	1	11
	0300		922.2	—0.1	1510.9	44.2	40.6	35.8	7.2	+0.6	72	+3	4.0	+1.7	3	9	1	1	1	1	1	0	14
	1200		920.0		1518.5	65.2	52.3	38.8	8.2		38		4.5		0	6	8	3	5	2	0	0	7
KALAT (SOUTH)																							
Panjgur	0000	3177	907.9		1506.8	46.2	42.6	37.7	7.8		75		2.3		12	2	0	0	2	12	1	2	0
	0300		909.3	+0.5	1516.7	47.6	42.5	35.8	7.4	+0.8	65	+2	1.1	—1.1	6	15	3	0	2	0	1	3	1
	1200		907.3		1519.6	65.8	52.4	37.8	8.1		37		2.0		7	0	0	0	0	18	3	3	0
AFGHANISTAN																							
Kabul (x)	0300	5955																					
	1200																						
Kandahar	0300	3462	903.1		1541.0	40.3	38.2	34.1	7.0	—	83	—	3.8	—	0	1	4	1	0	1	2	0	22
	1200		900.9		1540.0	57.7	51.0	44.7	9.3		63		4.1		0	0	1	1	2	3	3	0	21

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

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF DECEMBER, 1958.

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 Figures 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 DIVISION																					
Cox's Bazar (P. T.)	81.5	+1.8	87	5,6	60.4	+1.7	54	31	0.02	—0.96	0.02	9	0	—0.6	x						
Chittagong (Patenga)	79.8		86	5	60.7		54	31	0.05		0.05	8	0		x				7		
Chittagong	81.7	+2.7	87	5,6	59.5	+2.3	54	25,26,27	0.09	—0.55	0.09	8	0	—0.7	2.2	—0.9					
Maijdee Court	79.1	+0.6	84	6,7	59.9	+0.2	52	31	0.00	—0.28	0.00	0	0	—0.4	x						
Comilla	81.3	+2.1	86	6	59.4	+4.6	51	31	0.00	—0.30	0.00	0	0	—0.4	x				8		
Brahmanbaria	80.5	+0.7	85	6	59.7	+4.3	53	25,26,31	0.00	—0.31	0.00	0	0	—0.5	1.1				2		
Srimangal	80.1	—0.3	86	5	52.1	+2.6	45	25	0.53	+0.28	0.32	9	2	+1.5	x				16		
Sylhet	78.5		83	4 days	58.2		52	31	0.66		0.66	9	1		x				7		
DACCA DIVISION																					
Mymensingh	78.9	+1.2	84	6	58.4	+2.6	53	5 days	0.00	—0.09	0.00	0	0	—0.3	0.4	—0.1			4		
Narayanganj	81.0	+2.5	86	2	61.4	+3.9	54	31	0.00	—0.20	0.00	0	0	—0.4	1.0	—0.1			5		
Dacca (Tejgaon)	80.1		85	6	56.5		50	25,31	0.00		0.00	0	0		1.3				11		
Faridpur	77.8	+1.4	82	3,7	57.9	+3.0	51	31	0.00	—0.15	0.00	0	0	—0.3	1.4	+0.1			2		
Barisal	79.5	+1.4	84	8	62.0	+5.4	55	25,26,30	0.00	—0.25	0.00	0	0	—0.5	x				6		
RAJSHAHI DIVISION																					
Khulna	80.9	+2.2	85	1,3,7	61.3	+4.0	53	31	0.00	—0.19	0.00	0	0	—0.3	0.7	—1.0			2		
Satkhira	81.8	+1.2	85	7 days	59.0	+4.6	50	26,31	0.15	—0.02	0.15	12	1	+0.7	0.8	—0.1					
Jessore	82.0	+3.1	86	1,8	55.2	+3.7	46	26,31	0.00	—0.18	0.00	0	0	—0.4	1.6	+0.7					
Pabna	80.0	+0.2	84	4 days	58.3	+4.1	51	24,31	0.00	—0.15	0.00	0	0	—0.3	x				6		
Serajganj	80.3		87	1	58.8		53	24	0.00	—0.09	0.00	0	0	—0.3	1.1				2		
Rajshahi									0.00	—0.11	0.00	0	0	—0.2							
Bogra (P.B.O.)	78.6	+1.9	84	6	58.1	+3.6	52	19	0.00	—0.09	0.00	0	0	—0.2	1.5	+0.6			6		
Dinajpur	79.0	+1.9	84	4,5	56.2	+4.2	49	18,25,31	0.00	—0.06	0.00	0	0	—0.1	0.1	—1.0					
Rangpur	77.5		83	4	57.2		50	26	0.00	—0.08	0.00	0	0	—0.2	1.2				15		

(x) Data not available.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF DECEMBER, 1958.

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
KASHMIR																					
Jammu (x)																					
LAHORE																					
Lahore Jail Rd.	69.4	—2.9	79	10	46.9	+6.3	41	26	2.81	+2.34	0.98	22	6	+5.0	1.1	+0.3	1	0	3	0	0
„ (Cantt.)	69.2	—	78	10	46.7	—	38	26	2.49	—	0.70	22	6	—	2.4	—	1	0	17	1	0
„ (Walton)	70.2	—	79	8,9	46.7	—	39	26	2.89	—	0.66	22	6	—	2.8	—	1	0	11	0	0
Sialkot	66.9	—2.5	76	9,10	47.0	+4.8	42	26	4.42	+3.70	2.23	22	4	+2.7	*	—	1	0	6	0	0
RAWALPINDI																					
Jhelum	69.4	—	79	6,7,8	45.0	—	39	1	3.54	—	1.89	22	5	—	1.5	—	1	0	2	0	0
Chaklala	64.8	—	75	6,7	42.2	—	37	23,31	4.54	—	2.32	14	4	—	2.5	—	2	0	8	0	0
Rawalpindi	65.7	—1.1	78	29	42.3	+4.5	38	23	5.43	+4.19	2.87	14	4	+1.7	1.9	+0.7	0	0	1	0	0
Khushab	70.8	—0.9	79	4 days	43.2	+1.7	39	24	5.01	+4.58	1.73	22	4	+3.1	1.7	—0.2	0	0	0	0	0
Sargodha (x)																					
MULTAN																					
Lyallpur	70.6	—0.1	80	8,9	46.9	+4.7	42	25,26	1.98	+1.73	1.49	14	2	+1.2	1.5	+0.3	1	0	12	0	0
Montgomery	71.2	—0.8	81	1,8,9	46.2	+3.1	42	25,26, 27	2.22	+1.96	1.21	14	3	+2.2	0.8	—0.8	0	0	0	0	0
Multan (P.B.O.)	70.6	—	80	7,8	45.7	—	39	25,26, 31	1.31	—	0.61	14	4	—	1.4	—	1	0	13	0	0
„ (Surface)	70.5	—1.2	83	8	50.4	+7.0	43	26	0.63	+0.39	0.48	14	2	+1.3	1.6	+0.7	2	0	7	0	0
BAHAWALPUR																					
Leiah (R)																					
Khanpur (Surface) (R)																					
„ (P.B.O.)	73.6	—	84	9	45.5	—	36	29,31	0.55	—	0.36	14	2	—	2.8	—	1	0	11	0	0
Bahawalpur	72.1	—1.9	85	7	49.0 (a)	+5.4	42	31	1.32	+1.10	0.76	13	3	+2.4	0.8	—0.8	0	0	0	0	0
Fort Abbas	73.7	—	88	10	49.0	—	41	25	1.90	—	0.98	14	2	—	*	—	1	0	0	0	0
PESHAWAR																					
Chakdara	61.6	—	75	6	38.8 (a)	—	34	29	9.38	—	3.46	13	6	—	(x)	—	0	0	0	0	0
Peshawar	65.5	—1.2	78	6	44.3	+3.4	41	5 days	3.84	+3.17	1.63	13	4	+2.4	1.7	+0.6	0	0	3	3	0
Risalpur	65.9	—	79	8	38.1	—	33	17	11.81	—	3.95	14	5	—	1.1	—	0	0	3	7	0
Haripur	67.0	—	77	7,8	44.5	—	38	23	4.15	—	3.02	14	3	—	*	—	0	0	0	0	0
Campbellpur	*	—	*	*	*	—	—	—	10.34	—	5.65	14	5	—	1.1	—	0	0	0	0	0
D. I. KHAN																					
Kohat	66.8	—	77	6,7	47.2	—	43	27,30	4.55	—	2.11	13	5	—	2.8	—	0	0	0	0	0
Bannu	67.2	—2.9	77	1,6	45.2	+3.2	42	25,28	2.42	+2.02	1.07	13	5	+3.5	0.5 (g)	—	0	0	0	0	0
D. I. Khan	68.1	—3.1	79	1	46.0	+4.8	41	28	1.87	+1.63	0.91	13	4	+3.3	0.0	—0.6	0	0	0	0	0

(x) Data not available. (R) Register not received. (*) Data rejected. (g) Mean for 24 days. (a) Mean for 30 days

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF DECEMBER, 1958.

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
QUETTA																					
Sibi	*				*				0.00	—0.30	0.00		0	—0.7	*		0	0	0	0	0
KALAT (NORTH)																					
Nokkundi	71.6	+0.7	86	6	46.9	+3.5	35	27,28	0.43	+0.29	0.35	20	1	+0.7	x		0	0	0	0	0
KALAT (SOUTH)																					
Turbat	*				*				1.57		0.97	13	3		*		0	0	0	0	0
Jiwani	77.3		87	8	61.6		52	23	2.70		1.31	19	4		4.8		2	0	2	0	0
Pasni	78.6	+0.7	87	7	59.5	+2.9	53	28,29	1.44	+0.60	0.49	13	3	+1.5	5.1	+0.7	1	0	0	0	0
Ormara	78.7	+1.3	88	4	59.9	+1.0	53	23,30	2.63	+1.99	1.30	21	5	+3.8	3.2	—0.5	7	0	1	0	0
Lasbela	84.5	+1.2	93	7,8	53.7	+4.7	46	23,31	0.34	—0.22	0.25	13	1	+0.3	1.3	—0.2	0	0	0	0	0
FEDERAL CAPITAL AREA																					
Karachi (Manora)	79.8	+1.1	89	3	61.7	+1.6	53	30	0.31	+0.11	0.14	20	2	+1.5	x		0	0	0	0	0
Karachi (Mauripur)	78.9		87	3	59.2		52	22,24,28	3.86		2.07	21	4		*		3	0	2	0	0
Karachi (City)	80.9		90	3,4	58.3		50	24	1.13		0.65	21	3		2.8		0	0	0	0	0
Karachi (P.A.F.)	80.0		89	4,5	59.3		52	29,30	1.53		1.03	21	4		(i) 4.3		2	0	1	0	0
Karachi (Airport)	79.9		89	5	57.8		50	24,29,31	2.05		1.50	21	5		2.5		1	0	3	0	0
HYDERABAD																					
Badin	82.0	+1.5	90	5,11	54.1	+2.3	45	31	0.00	—0.15	0.00		0	—0.4	*		0	0	0	0	0
Nagarparkar	85.6		89	2	*				0.00		0.00		0		x		0	0	0	0	0
Umarkot	81.4		92	11	52.5		44	30,31	0.00		0.00		0		3.0		0	0	2	0	0
Chhor	81.5		89	5 days	51.1		39	30	0.07		0.07	21	0		2.2		0	0	2	0	0
Hyderabad	80.4	+1.8	91	7	55.5	+2.9	48	27	0.36	+0.26	0.30	21	1	+0.7	3.1	—0.4	0	0	0	0	0
KHAIRPUR																					
Padidan	78.5		87	7,8,9	49.0		41	24,25	0.62		0.53	14	1		2.9		1	0	0	0	0
Nawabshah	77.8		88	10	50.3		41	24,29	0.16		0.14	21	1		2.3		0	0	3	0	0
Sukkur	(a) 76.1	—0.1	84	7	52.4	+3.7	45	29	0.27	+0.24	0.12	21	2	+1.8	1.8	—0.4	0	0	0	0	0
Kashmore	*				*				0.03		0.03	20	0		*		0	0	0	0	0
Jacobabad	76.5	+2.1	89	8	51.6	+5.1	45	23	0.53	+0.36	0.26	20	3	+2.5	3.3	+1.3	0	0	1	0	0
JUNAGADH																					
Veraval (x)	(a) 85.6		93	15,16	(c) 61.6		53	29	x				x		x		0	0	0	0	0
AFGHANISTAN																					
Jalalabad (x)																					
ARABIA																					
Muscat	78.2	+0.1	85	1	68.0	—0.7	63	29,30	0.62	—0.08	0.32	21	2	+0.4	3.3	+0.2	0	0	0	0	0
HILL STATIONS																					
KASHMIR																					
Srinagar (x)																					
Gulmarg (x)																					
Gurez (x)																					
Sonamarg (x)																					
Dras (x)																					
Kargil (x)																					
Leh (x)																					
Skardu (x)																					

(x) Data not available. (*) Data rejected. (a) Mean for 28 days. (c) Mean of 30 days. (i) Mean for 23 days.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF DECEMBER, 1958.

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
KASHMIR—(*Continued*)																					
Misgar	37.1	—	47	5	17.3	—	11	19,24	0.35	—	0.15	23	1	—	1.1	—	0	0	0	0	0
Aliabad (x)																					
Gilgit P.B.O. (x)																					
RAWALPINDI																					
Murree	49.5	—1.2	64	5,7	38.0	+3.1	30	22,23,30	9.58	+7.78	4.25	14	6	+2.8	7.1	+2.7	1	0	5	0	0
PESHAWAR																					
Drosh	52.6	+2.1	67	6,7,8	38.1	+2.5	32	22,25,31	6.43	+5.23	2.41	14	6	+2.8	2.6	+0.8	0	0	0	0	0
Cherat	56.6	+2.8	69	6,7,8	44.2	+1.8	36	15,23	8.79	+7.23	2.92	14	5	+2.8	8.1	—0.4	0	0	0	0	0
Kakul	59.1	—	73	6	43.5	—	37	15,23	7.33	—	2.92	14	6	—	x	—	0	0	0	0	0
Balakot	60.6	—	76	6	38.6	—	35	5 days	7.82	—	2.22	13	6	—	1.7	—	0	0	4	0	0
Landikotal	58.3	—	74	6	39.2	—	32	30	3.47	—	1.23	22	5	—	1.6	—	0	0	0	0	0
D. I. KHAN																					
Parachinar	57.0	+2.2	77	6	*	—	—	—	2.89	+1.66	0.75	12	5	+2.1	2.1	+0.4	0	0	1	0	0
Miranshah	64.6	+0.6	78	5	40.4	+1.3	35	28	2.39	+1.69	0.80	21	5	+3.2	1.0	—1.6	0	0	0	0	0
Wana	59.2	—0.7	73	4	34.0	+4.5	29	29	3.43	+2.73	1.09	12	5	+3.2	0.2	—	0	0	0	0	0
QUETTA																					
Fortsandeman	62.2	+2.3	77	6	39.5	+6.1	33	15	2.24	+1.67	0.88	13	4	+3.8	1.8	+0.6	0	0	0	1	0
Hindubagh	58.2		74	9	32.5		25	28	2.83		1.46	21	4		4.4		0	0	0	0	0
Loralai	61.5		77	7	34.1		28	28,29,30	2.50	+2.00	1.08	13	3	+1.5	3.1		0	0	0	0	0
Harnai									3.07	+2.30	1.85	21	4	+2.6	x		0	0	0	0	0
Quetta (Samungli)	57.2		71	5	29.2		19	15	2.11		1.66	21	3		2.8		2	0	0	0	0
Quetta	57.9		71	5,6	33.2		24	28	1.81		0.67	21	5		*		0	1	0	0	0
Chaman	61.6	+4.6	75	6	39.8	+3.0	31	15	1.81	+0.46	0.92	21	3	+0.2	x		0	0	0	0	0
KALAT (NORTH)																					
Kalat	57.1	+1.8	70	1,2	30.7	+4.6	22	29	1.26	+0.32	0.80	13	3	+0.8	3.2	—0.2	0	0	0	0	0
Nushki	69.1		80	5	51.2		40	23	2.26		1.52	21	3		x		0	0	0	0	0
Dalbandin	70.3	+5.1	83	5	42.4	+7.4	32	23,29	0.87	+0.19	0.65	13	2	+0.2	1.7	—0.7	1	0	0	6	0
KALAT (SOUTH)																					
Panjgur	71.3	+4.8	83	2	41.5	+1.7	30	24	1.08	+0.51	0.93	13	2	+0.6	3.4	—0.7	0	0	0	0	0
AFGHANISTAN																					
Kabul (R)																					
Kandahar	60.6	—	75	6	37.4	—	30	15	1.95	—	0.82	21	4	—	1.0	—	0	0	1	0	0

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