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MONTHLY WEATHER REPORT

JANUARY

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Chief Features—(1) Frequent spells of wet weather over north Baluchistan and the northern region of West Pakistan.
(2) A cold wave which affected Baluchistan and Sind on the first four days of the month.
(3) Mainly dry weather in East Pakistan.

West Pakistan—Eight western disturbances moved across south Baluchistan and the southern regions of West Pakistan during the month and caused frequent spells of wet weather over there.

The first disturbance appeared over the extreme north on the 1st and was being followed by another disturbance which approached the North-West Frontier Province on the next day. The former moved away north-eastwards by the 3rd morning and the latter moved into Kashmir and the adjoining upper North-West Frontier Province persisted there and moved away northeastwards by the 5th. They were responsible for the first spell of wet weather which occurred over the north Punjab and the North-West Frontier Province between the 1st and the 5th. Simultaneously, a cold wave also affected Baluchistan and Sind on the first four days of the month. It abated thereafter as a result of the approach of a trough of low across Central Iran and the Gulf of Oman on the 4th. This trough concentrated into a depression over southeast Iran and the Gulf of Oman the next day and moving eastwards lay in northeast Arabian Sea on the 6th with its associated primary over northeast Baluchistan and the north Punjab, on the same day. A cold front was running across Central Iran to the Gulf of Oman. By the next day the depression in northeast Arabian Sea moved away northeastwards into the Indian region while its primary after moving across Kashmir and the north Punjab filled up over Kumaon hills on the 8th. The associated cold front also moved away northeastwards across north Baluchistan, Kashmir and the upper North-West Frontier Province by the 9th. The passage of these disturbances caused a marked spell of wet weather over Baluchistan, the north Punjab and the upper North-West Frontier Province hills during the period 6th to 8th.

The fifth active western disturbance moved northeastwards across north Baluchistan and the extreme north of West Pakistan by the end of the first fortnight and caused moderate falls of rain/snow in north Baluchistan, the north Punjab and the hills of the North-West Frontier Province.

The sixth disturbance travelling across the Persian Gulf and the Gulf of Oman, affected Baluchistan on the 19th and 20th and moving northeastwards caused rain/snowfall over the extreme north between the 20th and 23rd. It filled up over Kashmir and the upper North-West Frontier Province on the 23rd. Thereafter two western disturbances caused light spell of wet weather over Baluchistan and the North-West Frontier Province hills. The first bordering Baluchistan on the 26th, moved to northeast Baluchistan and the North-West Frontier Province the next day with its secondary over the Gulf of Oman. The primary moving east-northeastwards filled up over the upper North-West Frontier Province and Kashmir on the 28th, while its secondary moved across Baluchistan into Rajputana where it became unimportant.

The second one, moving northeastwards across north Baluchistan and the North-West Frontier Province filled up over Kashmir on the last day of the month.

Some of the noteworthy amounts of rainfall recorded during the month were:—Murree 1", on the 3rd; Dalbandin 1" on the 6th ; Sialkot and Cherat 1" each on the 7th ; Murree 1-1/2" on the 8th ; Quetta and Dalbandin 1" each on the 13th; Turbat 1-1/2" on the 20th.

The mean actual rainfall was in slight excess over north Baluchistan, in moderate defect over south Baluchistan and the Punjab, and in large defect elsewhere over West Pakistan. The mean maximum temperature was normal over north Punjab and south Baluchistan and in excess elsewhere over West Pakistan. The mean minimum temperature was in excess over the north Punjab and the lower North-West Frontier Province, in defect over south Baluchistan and normal elsewhere over West Pakistan. The mean Relative humidity was in excess over the south Punjab, and upper Sind, normal over the north Punjab, the North-West Frontier Province and north Baluchistan, and in defect over south Baluchistan and lower Sind. Skies were less clouded than usual over the south Punjab, the lower North-West Frontier Province, south Baluchistan and lower Sind and as usual elsewhere over West Pakistan.

East Pakistan —Except for a few thunderstorms/showers in the Eastern sub-division on the 3rd and 12th and in the Deltaic sub-division on the 3rd, weather remained dry over East Pakistan.

Some of the noteworthy amounts of rainfall recorded during the month were:—Barisal 1/4" on the 3rd ; Srimangal and Comilla 1/2" each on the 12th.

The mean actual rainfall was in large defect. Both the mean maximum and mean minimum temperatures were in excess over the Northern sub-division and normal elsewhere over East Pakistan. The mean Relative humidity was in excess over the Deltaic sub-division, normal over the Eastern sub-division and in defect over the Northern sub-division of East Pakistan. Skies were less clouded than usual over the Northern and Eastern sub-divisions and as usual over the Deltaic sub-division.

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

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TABLE I.—DIVISIONAL AND SUB-DIVISIONAL MEANS—JANUARY 1952

Division	PRECIPITATION				DEPARTURE FROM NORMAL OF				
							0300 hrs. G. M. T.		
	Actual	Normal	Departure from normal	Percentage departure from normal	Maximum temperature	Minimum temperature	Vapour pressure	Relative humidity	Cloud
1	2	3	4	5	6	7	8	9	10
	"	"	"	.	°	°	Mbs.	%	
East Pakistan	0·06	0·35	—0·29	—83	+1·6	+1·6	+1·2	0	—0·3
Mean of East Pakistan	0·06	0·35	—0·29	—83	+1·6	+1·6	+1·2	0	—0·3
Punjab	0·57	0·93	—0·36	—40	+2·1	+2·3	+0·7	+6	—0·4
N.-W. F. P.	0·26	0·80	—0·54	—67	+3·1	+2·8	+0·6	—1	—0·9
Baluchistan	1·00	1·02	—0·02	—2	—0·2	0·0	—0·2	+2	—0·2
Sind	0·00	0·24	—0·24	—100	+2·5	+0·1	—1·0	—5	—0·6
Mean of West Pakistan excluding Baluchistan	0·32	0·67	—0·35	—52	+2·4	+1·6	+0·1	+1	—0·6
Sub-Division									
East Pakistan (North)	0·00	0·39	—0·39	—100	+3·4	+2·0	+1·0	—8	—1·1
East Pakistan (East)	0·13	0·28	—0·15	—54	+1·3	+1·2	+0·9	—1	—0·4
East Pakistan (Deltaic)	0·04	0·41	—0·37	—90	+1·1	+1·9	+1·7	+6	0·0
Kashmir*	...	...	...	...	...	...	...	...	...
North Punjab	0·91	1·32	—0·41	—31	+1·7	+2·5	+0·7	+5	—0·1
South Punjab	0·01	0·28	—0·27	—96	+2·8	+1·9	+0·5	+6	—0·9
N.-W.F.P. (Upper)	0·77	1·44	—0·67	—47	+2·3	+1·1	+1·0	+2	+0·1
N.-W.F.P. (Lower)	0·00	0·49	—0·49	—100	+4·0	+4·5	+0·5	—3	—1·3
Baluchistan (North)	1·10	0·97	+0·13	+13	+0·2	+0·7	+0·1	+5	—0·1
Baluchistan (South)	0·67	1·19	—0·52	—44	—1·5	—2·3	—1·3	—7	—0·5
Sind (Upper)	0·00	0·21	—0·21	—100	+2·7	—0·4	—1·4	+6	+0·1
Sind (Lower)	0·00	0.26	—0·26	—100	+2·3	+0·4	—0.8	—8	—1·0

*Data incomplete.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF JANUARY 1952 —*contd.*

Sub-Division and Station	Hours of Observation	Height of bar. cistern above mean sea level	Mean pressure: Stn. level reduced to standard temp. and gravity	Mean pressure: Departure from normal	Mean pressure: Reduced to standard temp. & M.S.L. or nearest Gpkm level	Mean temperature of the air & humidity: Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Total Cloud amount: Mean amount	Departure from normal	Wind direction, Number of observations from :— N	NE	E	SE	S	SW	W	NW	Calm
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	GMT	Ft.	Mbs.	Mbs.	Mbs.	°F	°F	°F	Mbs.	Mbs.	%	%	Oktas										
EAST PAKISTAN (North)																							
Pabna	0300					66·9	61·0	57·0	15·6	+1·1	69	—8											
Sirajganj	0000	49	1014·1		1015·9	56·6	55·9	55·2	15·4	...	97		0·5		4	1	0	0	0	0	0	0	26
	0300		1016·0		1017·8	63·8	60·8	58·3	17·0	...	83		1·2		3	0	0	1	1	0	1	8	17
	1200		1012·3		1014·1	70·5	64·9	61·0	19·0	...	73		1·6		0	0	0	0	1	0	0	1	29
Bogra	* 0000	65	1013·0		1015·4	56·3	54·5	52·5	13·3	...	87		0·6		0	0	0	0	0	0	0	0	31
	0300	63	1015·5	+0·1	1017·8	64·0	60·2	57·2	15·9	+1·7	78	—2	0·9	—0·9	3	7	4	1	0	1	1	2	12
	1200		1011·4		1013·6	74·3	63·9	57·2	15·3		54		1·1		0	0	0	0	0	1	4	0	26
Dinajpur	0000	123	1012·2		1016·8	52·3	50·7	49·3	11·8	...	90		0·2	...	0	0	0	0	0	0	0	0	31
	0300		1014·2	+1·1	1018·6	63·5	58·2	54·0	13·7	+0·2	69	—15	0·3	—1·2	0	0	0	0	0	0	1	0	30
	1200		1010·8	...	1015·1	71·3	62·3	55·5	14·9	...	58		0·0		0	0	0	0	0	0	1	0	30
EAST PAKISTAN (East)																							
Cox's Bazar	0000	38	1014·1		1015·4	57·0	56·1	55·7	14·9	...	94		0·9		1	0	0	0	0	0	0	0	30
	0300		1015·6	+0·3	1016·9	69·5	63·3	58·9	17·0	—0·1	70	—3	1·0	—0·4	0	0	0	0	0	0	0	0	31
	1200		1012·7	...	1013·8	72·5	64·8	59·5	18·1		65		1·2		0	0	0	0	0	0	0	0	31
Chittagong	0300	87	1014·2	+0·2	1017·3	68·9	62·1	57·5	15·8	—0·3	65	—12	1·0	—0·4	7	8	4	0	0	0	0	1	11
	1200		1010·7	...	1013·8	71·5	65·9	56·1	19·0		73		1·3		8	1	0	0	0	3	12	5	2
Noakhali (Maijdee) ...	0000	25	×		×	60·4	57·8	55·7	15·0		85		0·3		×								
	0300		×		×	64·3	61·5	58·7	17·0	+0·3	83	+6	0·9	—0·7	×								
	1200		×		×	71·8	65·1	60·2	18·5		69		0·9		×								
Comilla	0000	29	1014·3		1015·3	56·9	56·4	55·7	15·4	...	97		1·5		2	0	1	0	0	0	0	0	28
	0300		1016·1	0·0	1017·1	63·3	60·6	58·7	16·9	+0·9	86	+11	1·5	+0·2	4	2	1	3	1	0	0	2	18
	1200		1012·8		1013·8	72·8	66·2	61·9	19·3		69		1·5		7	0	0	1	2	0	2	2	17
Narayanganj	0000	26	1013·9	...	1014·8	58·0	56·7	55·6	14·9	...	91	...	1·3	...	0	0	0	0	0	0	0	0	31
	0300	...	1015·6	—0·9	1016·5	68·4	62·6	58·6	16·3	+0·9	70	—6	1·0	—0·8	0	1	1	0	0	0	0	2	27
	1200	...	1012·0	...	1012·9	72·3	63·5	57·2	15·6	...	58	...	0·9	...	0	0	0	0	0	0	0	0	31
Brahmanbaria	0000	32	1015·0	...	1016·1	57·1	56·2	55·3	14·9	...	94	...	1·0	...	0	0	0	0	0	0	0	0	31
	0300	...	1016·7	...	1017·8	68·6	63·1	59·1	16·2	+1·5	71	+1	1·4	...	4	2	2	0	1	0	1	0	21
	1200		1013·4	...	1014·5	73·1	64·7	58·9	16·9	...	61	...	0·1	...	0	0	0	0	0	0	0	0	31
Srimangal...	0000	69	1013·6	...	1016·2	49·1	48·8	48·8	11·4	...	96	...	1·5	...	0	0	0	0	0	0	0	0	31
	0300	...	1015·1	—0·2	1017·5	62·4	60·1	59·0	16·2	+2·0	85	+1	1·3	—0·1	0	0	0	0	0	0	0	0	31
	1200	...	1011·3	...	1013·8	67·7	64·5	62·3	19·7	...	84	...	1·3	...	0	0	0	0	0	0	0	0	31
Mymensingh	0000	62	1013·4	...	1015·7	50·6	49·3	47·9	11·4	...	89		0	...	0	0	0	0	0	0	0	0	31
	0300	...	1015·8	+0·3	1018·0	63·5	60·6	58·1	16·3	+1·4	83	+2	1·0	—0·9	1	0	0	0	0	0	0	0	30
	1200	...	1012·7	...	1014·9	73·1	62·0	53·5	14·0	...	51	...	0·5	...	0	0	0	0	0	0	0	0	31
East Pakistan (Deltaic)																							
Faridpur	0000	46	1013·8	...	1015·4	54·9	54·4	53·4	14·3	...	97	...	0·6	...	0	0	0	0	0	0	0	0	[illegible]
	0300	...	1015·3	—0·1	1016·9	63·8	61·3	59·0	17·5	+2·6	86	+9	1·2	—0·1	7	1	0	0	1	0	0	4	[illegible]
	1200	...	1012·6	...	1014·2	72·0	65·1	60·2	17·9	...	67	...	1·2	...	2	0	0	0	0	1	0	1	[illegible]
Barisal	0000	11	1014·5	...	1014·9	58·4	57·4	56·5	15·4	...	94	...	1·7	...	0	0	0	0	0	0	0	0	[illegible]
	0300	...	1016·6	—0·4	1017·1	64·5	61·6	59·5	17·6	+1·2	84	+8	2·0	+0·6	4	3	0	0	0	0	0	7	[illegible]
	1200	...	1013·3	...	1013·7	73.2	64·6	58·8	16·9	...	61	...	2·5	...	2	0	1	0	0	0	0	2	[illegible]
Khulna	0000	16	1014·8	...	1015·4	58·0	57·0	55·6	15·4	...	94	...	1·0	...	0	0	0	0	0	0	0	1	[illegible]
	0300	...	1017·3	+0·1	1017·8	66·5	61·4	57·4	16·7	+2·0	74	+7	1·2	—0·4	0	2	0	1	0	1	0	5	[illegible]
	1200	...	1014·1	...	1014·6	71·6	64·1	59·1	17·3	...	65	...	1·0	...	0	0	0	0	0	1	0	1	[illegible]

* Observation at 0000 hours. recorded from a distant site by P.B.O. staff.

× Data not available.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF JANUARY 1952 —*contd.*

Sub-Division and Station	Hours of Observation	Height of bar. cistern above mean sea level	Mean pressure: Stn. level reduced to standard temp. and gravity	Mean pressure: Departure from normal	Mean pressure: Reduced to standard temp. & M.S.L. or nearest Gpkm level	Mean temperature of the air & humidity: Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Total Cloud amount: Mean amount	Departure from normal	Wind direction, Number of observations from :—: N	NE	E	SE	S	SW	W	NW	calm
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	GMT	Ft.	Mbs.	Mbs.	Mbs.	°F	°F	°F	Mbs.	Mbs.	%	%	Oktas										
Jessore	0000	26	1014·9	...	1015·8	52·6	51·9	51·0	13·3	...	97	...	1·6	...	2	0	0	0	0	0	0	0	29
	0300	...	1016·9	0·0	1017·7	65·5	61·3	58·0	16·5	+2·0	78	+3	0·8	—0·7	5	3	0	0	1	0	2	6	14
	1200	...	1013·6	...	1014·5	68·3	62·9	69·0	16·8	...	72	...	0·0	...	0	0	0	0	0	0	0	0	31
Satkhira	0000	16	1014·9	...	1015·5	56·2	54·7	53·9	13·8	...	90	...	2·1	...	1	0	0	1	0	0	0	3	26
	0300		1016·1	—0·9	1016·7	63·1	59·4	56·9	15·3	+0·7	78	+4	2·2	+0·8	9	0	0	4	1	0	0	7	10
	1200		1013·4	...	1014·0	73·1	66·7	63·2	19·9	...	72	...	2·2	...	2	0	0	0	0	0	0	0	29
KASHMIR																							
Srinagar *	0000	5,205																					
	0300																						
	1200																						
Gulmarg *	0000	8,709																					
	0300																						
	1200																						
Dras *	0000	10,059																					
	0300																						
	1200																						
Leh *	0000	11,529																					
	0300																						
	1200																						
Skardu *	0000	7,505																					
	0300																						
	1200																						
Gilgit *	0000	4,890																					
	0300																						
	1200																						
Misgar	0000	10,190	699·6	...	703·9	15·5	13·8	9·6	2·1	...	78	...	4·5	...	0	0	0	0	0	0	3	0	28
	0300	...	700·3	...	704·6	15·4	13·2	9·3	1·9	...	71	...	5·1	...	0	0	1	0	0	0	4	0	26
	1200	...	698·8	...	702·3	25·2	20·8	12·4	2·4	...	53	...	5·5	...	0	0	18	0	0	0	2	0	11
NORTH PUNJAB																							
Lahore	0000	702	992·2	...	1018·1	45·2	44·4	43·3	9·5	...	92	...	1·2	...	1	3	0	0	0	0	0	0	27
	0300	...	993·3	+0·5	1019·2	46·2	44·9	43·5	9·5	+0·9	88	+4	2·6	—0·4	1	5	1	1	0	0	3	1	19
	1200	...	991·7	...	1016·7	66·1	55·8	45·8	10·6	...	47	...	2·3	...	3	1	1	0	0	0	2	6	18
Sialkot	0000	830	986·7	...	1017·3	47·9	46·6	45·3	10·2	...	91	...	2·7	...	1	7	1	0	0	0	1	4	17
	0300	...	988·0	—0·4	1018·4	48·2	46·5	40·5	10·0	+0·9	88	+1	3·5	+0·9	2	3	2	0	1	0	4	5	14
	1200	...	986·6	...	1012·1	62·6	56·1	50·5	12·5	...	65	...	4·0	...	1	4	0	0	0	0	6	6	14
Jhelum	0000	765	990·3	...	1018·7	46·3	44·3	41·9	9·0	...	84	...	2·5	...	1	0	1	1	0	0	0	5	23
	0300	...	991·6	...	1020·0	46·4	44·2	41·5	8·7	...	83	...	4·0	...	0	0	1	0	1	0	2	6	21
	1200	...	989·8	...	1017·1	62·9	53·8	44·3	10·1	...	53	...	4·3	...	1	0	0	1	0	1	5	11	12
Rawalpindi	0000	1676	959·1	...	1020·2	43·0	41·7	40·5	8·5	...	88	...	*	...	0	2	0	0	0	0	1	0	28
	0300	...	959·7	+0·7	1021·5	43·6	41·9	40·3	8·4	+1·0	88	+6	3·1	—0·1	0	1	0	0	1	1	1	0	27
	1200	...	957·9	...	1018·1	57·7	50·3	43·0	9·5	...	58	...	3·1	...	0	0	0	0	0	1	10	1	19
Khushab	0000	616	995·2	...	1018·0	44·8	41·9	38·9	7·7	...	77	...	1·1	...	3	5	4	1	1	1	4	3	9
	0300	...	996·8	+0·1	1019·6	47·7	43·7	38·5	7·9	+0·9	70	+4	2·6	—0·1	6	6	5	2	2	3	2	1	4
	1200	...	994·9	...	1016·8	67·0	54·9	42·4	9·3	...	41	...	2·3	...	6	6	5	2	3	2	1	1	5
Lyallpur	0000	605	995·8	...	1018·1	45·4	43·3	41·2	8·6	...	84	...	2·8	...	1	2	0	1	0	2	3	2	20
	0300	...	996·8	+0·2	1019·2	43·9	42·4	40·8	8·5	0·0	88	+11	2·6	—1·0	2	2	1	1	2	2	5	2	14
	1200	...	995·2	...	1016·7	66·1	55·0	44·1	9·9	...	45	...	2·6	...	5	6	2	0	0	1	4	2	11

* Data not available.

TABLE II.—ABSTRACT OF OBSERAVTIONS RECORDED AT FIXED HOURS DURING THE MONTH OF JANUARY 1952 —*contd.*

Sub-Division and Station	Hours of Observation	Height of bar. cistern above mean sea level	Mean pressure: Stn. level reduced to standard temp. and gravity	Mean pressure: Departure from normal	Mean pressure: Reduced to standard temp. & M.S.L. or nearest Gpkm level	Mean temperature of the air & humidity: Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Total Cloud amount: Mean amount	Departure from normal	Wind direction, Number of observations from :—: N	NE	E	SE	S	SW	W	NW	calm
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	GMT	Ft.	Mbs.	Mbs.	Mbs.	°F	°F	°F	Mbs.	Mbs.	%	%	Oktas										
SOUTH PUNJAB																							
Montgomery	0000	558	997·1	...	1017·8	44·7	43·0	41·0	8·7	...	87	...	1·2	...	1	0	0	0	0	3	2	8	17
	0300	...	998·5	+0.3	1019·3	44·9	42·4	39·4	8·1	+0·2	82	+5	1·6	—0·8	0	1	0	0	0	4	1	8	17
	1200	...	996·6	...	1016·2	69·0	56·7	44·9	10·2	...	43	...	1·4	...	1	3	2	0	0	1	1	3	20
Multan ... ... (P.B.O.)	0000	405	1003·2	..	1018·4	45·2	41·9	37·4	7·5	...	72	...	0·8	...	4	0	0	0	0	1	0	2	24
	0300	...	1005·0	...	1020·2	45·1	41·3	35·8	7·2	...	68	...	1·9		3	1	0	0	1	0	0	3	23
	1200	...	1002·7	...	1017·1	69·8	55·2	39·4	9·0	...	37	...	1·9	...	7	4	1	0	4	2	1	2	10
Fort Abbas	0000	475	1000·6	...	1018·4	40·6	37·0	30·7	5·9	...	69	...	0·2	...	0	8	0	12	0	9	0	2	0
	0300	...	1001·4	...	1019·0	45·6	41·6	35·9	7·2	...	69	...	0·8	...	0	3	0	4	0	6	0	1	17
	1200	...	998·7 (f)	...	1015·4	70·2	61·4	54·4	14·6	...	57	...	1·0	...	1	3	0	2	0	9	0	1	15
Bahawalpur																							
	0300	384	1004·6	—0·4	1018·9	44·6	42·1	39·0	8·0	+0·4	80	+7	1·4	—1·2	3	5	4	1	1	2	0	2	13
	1200	...	1002·4	...	1016·0	70·4	56·8	44·1	9·7	...	38	...	1·3	...	4	4	0	0	0	3	0	1	19
Khanpur																							
	0300	297	1008·3	+0.1	1019·3	45·8	42·1	36·8	7·5	+0·9	73	+7	1·5	—0·7	9	8	3	1	2	2	2	1	3
	1200	...	1006·0	...	1016·5	72·0	56·5	40·8	8·7	...	32	...	1·1	...	5	11	3	2	2	1	6	1	0
N.-W.F.P. UPPER																							
Chakdara	0000	2,197	939·7	...	1019·9	43·5	41·0	37·8	7·7	...	80	...	2·9	...	1	1	8	3	1	0	1	2	14
	0300	...	940·9	...	1021·4	42·5	39·8	36·3	7·2	...	78	...	5·4	...	13	4	3	1	0	1	0	4	5
	1200	...	939·3	...	1017·3	56·5	49·0	41·1	8·9	...	57	...	4·6	...	6	0	4	0	5	2	3	3	8
Peshawar	0000	1,175	977·1	...	1020·1	45·6	42·1	37·3	7·5	...	72	...	3·3	...	1	0	1	8	8	5	0	1	7
	0300	...	978·3	+0·7	1021·3	45·5	41.8	36·5	7·4	+1·0	73	+2	4·7	+0·1	1	1	0	8	8	4	0	2	7
	1200	..	976·8	...	1018·6	60·7	51·5	40·8	8·9	...	50	...	5·3	...	1	3	0	2	2	0	1	6	16
Landikotal	0000	3,503	897·2	...	902·4	41·5	37·7	32·4	6·2	...	68	...	3·8	...	0	1	0	0	0	2	0	5	23
	0300	...	898·4	...	903·7	42·0	38·3	33·0	6·4	...	72	...	4·7	...	0	0	0	1	0	1	0	12	17
	1200	..	897·3	...	902·3	50·8	44·0	35·5	7·1	...	55	...	5·0	...	0	1	0	1	0	3	1	17	8
N.-W.F.P. LOWER																							
Bannu	0000	1,264	973·5	...	1019·2	49·6	42·6	30·5	6·2	...	51	...	0·9	...	7	[illegible]	3	1	2	2	4	2	7
	0300	..	973·9	..	1020·0	47·8	41·9	32·0	6·4	+0·3	56	—4	1·9	—0·5	0	0	0	0	1	3	7	4	16
	1200	..	973·3	...	1017·9	65·4	51·9	35·8	7·2	...	33	...	2·8	...	0	1	3	6	5	1	1	3	11
Miranshah ...	0000	3,026	*	...	*	38·5	34·4	28·0	5·1	...	66	...	2·3	...	1	6	5	6	3	8	0	0	2
	0300	...	*	...	*	41·9	36·5	28·2	5·2	+0·4	57	0	3·5	+0·9	2	7	0	0	0	1	1	4	16
	1200	...	*	...	*	58·2	47·4	34·3	7·6	...	40	...	4·4	...	0	2	9	11	0	2	1	0	6
D.I. Khan	(a) 0000	570	996·9	...	1018·0	45·2	43·8	42·0	9·1	...	88	...	0·3	...	1	4	0	0	0	0	1	2	22
	0300	...	998·1	—0·1	1019·3	47·2	43·0	38·0	7·6	+0·6	70	—1	0·4	—2·2	0	1	1	0	0	1	1	1	26
	1200	...	996·5	...	1016·5	68·4	55·4	42·0	9·2	...	38	...	1·5	...	6	4	0	0	1	0	0	0	20
BALUCHISTAN (North)																							
Fort Sandeman																							
	0300	4,614	863·5	+1·8	905·4	35·3	32·1	26·5	4·7	—0 3	69	—8	2·9	+0·1	0	0	0	0	0	1	0	0	30
	1200	...	862·1	...	901·8	54·4	41·7	20·6	4·1	...	28	...	3·5	...	0	0	0	0	0	4	1	0	26
Hindu-bagh	0000	5,909	821·4	...	797·6	31·0	29·5	27·8	5·0	...	85	...	2·2	...	0	0	0	0	0	1	0	2	28
	0300	...	822·7	...	798·9	30·7	29·5	28·0	5·2	...	88	...	3·1	...	0	0	0	0	0	0	2	2	27
	1200	...	820·6	...	796·9	47·0	42·0	35·8	7·3	...	67	...	3·8	...	0	0	1	0	0	1	9	3	17
Loralai	0000	4,699	859·2		904·0	32·3	30·7	28·0	5·2		81		1·2		0	0	0	2	0	1	22	1	5
	0300	...	859·0		903·7	32·8	31·5	28·8	5·5		87		2·4		0	0	0	1	0	5	10	3	12
	1200	...	858·3		901·1	52·2	45·1	36·1	5·0		48		2·8		0	0	1	7	3	4	2	1	13

* Data rejected. (R) Register not received. (a) Mean for 30 days. (f) Mean of 25 days.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF JANUARY 1952 —*contd.*

Sub-Division and Station	Hours of Observation	Height of bar. cistern above mean sea level	Mean pressure: Stn. level reduced to standard temp. and gravity	Mean pressure: Departure from normal	Mean pressure: Reduced to standard temp. & M.S.L. or nearest G pkm level	Mean temperature of the air & humidity: Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Total Cloud amount: Mean amount	Departure from normal	Wind direction, Number of observations from :— N	NE	E	SE	S	SW	W	NW	calm
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	GMT	Ft.	Mbs.	Mbs.	Mbs.	°F	°F	°F	Mbs.	Mbs.	%	%	Oktas										
Sibi	0000	441	1001·7	...	1018·1	48·3	40·9	28·5	5·3	...	45	...	1·1	...	0	0	0	0	0	1	0	4	26
	0300	...	1003·1	+0·8	1019·5	48·0	41·3	30·7	5·9	+0·4	50	...	1·8	—0·8	1	0	0	1	0	0	0	2	27
	1200	...	1000·7	...	1016·3	71·5	52·7	28·9	5·0	...	19	...	2·6	...	0	2	0	4	0	5	0	5	15
Quetta	0300	5,490	834·5	—0·3	798·1	33·2	31·6	29·3	5·4	+0·5	86	+8	3·6	+0·1	0	1	1	4	7	1	0	1	16
	1200	...	832·8	...	796·2	46·7	40·8	34·0	6·4	...	61	...	4·4	...	6	1	0	3	6	4	2	5	4
Quetta (Samungli)	0000	5,253	843·8	...	798·0	30·0	27·6	23·7	4·2	...	75	...	1·7	...	0	0	3	18	1	0	1	0	8
	0300	...	844·3	...	799·0	31·5	29·6	26·9	4·7	...	81	...	3·8	...	0	1	3	12	0	0	2	3	10
	1200	...	843·1	...	799·0	47·8	41·0	32·7	6·3	...	55	...	4·1	...	0	0	2	8	2	2	5	7	5
Chaman	0000	4,311	871·3	...	902·9	40·5	36·7	30·5	5·8	...	67	...	2·4	...	2	2	11	9	4	1	1	1	0
	0300	...	872·5	+0·9	904·3	40·0	35·8	29.3	5·5	—0·6	63	—3	3·3	—0·1	1	2	12	8	1	3	0	2	2
	1200	...	871·8	...	902·7	50·7	42·7	30·6	6·2	...	49	...	3·3	...	1	0	1	1	1	9	7	10	1
Nushki	0000	3,416	904·9	...	906·5	44·7	40·7	35·4	7·0	...	70	...	(b) 0·4	...	0	1	0	2	0	3	2	20	1
	0300	...	905·9	...	907·6	45.1	40·8	34·8	7·0	...	66	...	1·2	...	1	5	7	4	0	3	3	5	3
	1200	...	903·6	...	905·3	55·6	48·0	39·0	8·4	...	56	...	1·8	...	3	0	0	1	0	2	7	16	2
Kalat	0000	6,616	800·3	...	797·9	29·7	28·2	25·5	4·5	...	83	...	2·3	...	1	0	0	0	12	0	0	1	17
	0300	...	801·3	+0·9	798·8	28·1	26·6	24·3	4·3	—0·1	84	+14	2·0	—1·0	1	0	1	0	17	0	0	2	10
	1200	...	800·2	...	797·6	46·8	38·3	27·8	4·9	...	45	...	3·3	...	6	0	0	0	13	2	0	6	4
Dalbandin	0000	2,785	921·5	...	902·2	40·1	39·3	36·0	7·8	...	91	...	2·3	...	1	6	2	2	0	2	0	2	16
	0300	...	922·6	+1·0	903·3	38·3	37·1	35·4	6·9	0·0	88	+15	3·0	0·0	1	9	0	1	0	2	0	1	17
	1200	...	920·7	...	901·8	57·2	48·4	39·0	8·9	...	55	...	3·6	...	1	4	10	4	3	0	1	0	8
Nokkundi	0000	2,229	939·9	...	1020·6	44·0	38·9	31·8	5·4	...	55	...	0·7	...	7	11	3	1	0	0	0	7	2
	0300	...	941·2	...	1021·9	43·2	38·0	32·1	6·2	+0·7	65	+12	3·5	+0·9	9	10	2	1	0	0	0	7	2
	1200	...	939·0	...	1016·9	61·1	48·2	33·8	6·2	...	34	...	4·0	...	1	1	8	10	4	3	1	1	2
BALUCHISTAN (South)																							
Las Bela (R)	0000	292																					
	0300																						
	1200																						
Ormara	0000	15	1015·7	...	1016·2	57·8	53·8	49·8	12·5	...	76	...	0·5	...	0	0	2	2	2	0	2	0	23
	0300	...	1017·1	...	1017·6	58·9	53·0	46·4	11·1	—2·0	65	—11	0·9	—1·7	0	2	5	6	1	0	1	0	16
	1200	...	1015·0	...	1015·5	73·0	63·2	55·6	15·2	...	55	...	1·3	...	1	0	4	8	6	3	8	0	1
Pasni	0000	10	1017·0	...	1017·3	55·8	52·1	47·3	11·9	...	78	...	(b) 2·1	...	3	4	3	1	0	(b) 0	3	9	6
	0300	...	1017·5	...	1018·0	58·6	53·3	47·6	11·5	...	68	...	(b) 1·8	...	3	3	4	1	(b) 0	0	4	9	5
	1200	...	(d) 1015·3	...	(d) 1015·8	71·8	61·0	50·6	13·4	...	52	...	(c) 2·4	...	2	2	3	7	(c) 0	9	4	1	0
Turbat	0000	510	999·9	...	1019·1	53·7	48·6	43·3	19·4	...	67	...	1·1	...	0	29	0	0	(b) 1	0	0	0	1
	0300	...	1001·5	...	1020·1	55·5	51·0	46·1	10·7	...	71	...	1·7	...	0	26	0	3	1	0	0	0	1
	1200	...	999·1	...	1017·1	73·8	61·2	50·4	12·9	...	45	...	2·3	...	2	8	2	0	1	7	3	8	0
Panjgur	0000	3,177	907·4	...	901·8	43·2	38·7	31·0	6·1	...	65	...	2·5	...	7	13	1	0	1	6	2	1	0
	0300	...	908·5	+0·6	902·9	40·8	37·2	30·9	6·2	—0·7	71	—3	3·5	+0·8	7	18	2	1	0	1	1	1	0
	1200	...	906·2	...	900·5	59·2	47·5	31·7	6·5	...	38	...	4·1	...	5	5	0	0	0	11	2	8	0
SIND (Upper)																							
Reti	0000	280	1008·2	...	1018·7	44·7	39·6	31·2	6·0	...	61	...	0·0	...	14	4	2	0	0	0	5	2	4
	0300	...	1009·9	...	1020·4	43·6	38·7	30·4	5·8	...	60	...	0·8	...	8	5	0	2	1	0	3	1	11
	1200	...	1007·4	...	1017·4	74·0	54·4	30·8	5·7	...	20	...	0·3	...	10	8	1	0	1	2	3	2	4
Jacobabad	0000	183	1010·9	...	1017·8	49·8	41·3	26·5	5·0	...	41	...	1·5	...	7	1	2	1	1	0	4	12	3
	0300	...	1012·5	+0·6	1019·5	48·6	40·9	27·4	5·4	—2·8	47	—23	2·1	0·0	4	0	3	4	1	0	7	7	5
	1200	...	1010·0	...	1016·6	72·1	53·4	28·1	5·5	...	21	...	1·9	...	5	1	2	2	1	1	3	15	1

(b) Register not received. (b) Mean of 29 days. (c) Mean of 28 days. (d) Mean of 27 days.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF JANUARY 1952 *(contd.)*

Sub-Division and Station	Hours of Observation	Height of bar. cistern above mean sea level	Mean pressure: Stn. level reduced to standard temp. and gravity	Mean pressure: Departure from normal	Mean pressure: Reduced to standard temp. & M.S.L. or nearest Gpkm level	Mean temperature of the air & humidity: Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Total Cloud amount: Mean amount	Departure from normal	Wind direction, Number of observations from :— N	NE	E	SE	S	SW	W	NW	calm
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	GMT	Ft.	Mbs.	Mbs.	Mbs.	°F	°F	°F	Mbs.	Mbs.	%	%	Oktas										
Sukkur	0300	221	1010·8	+0·1	1019·1	48·0	43·6	37·5	7·7	0·0	67	+6	1·8	+0·2	8	10	1	6	3	1	1	0	1
	1200	...	1008·3	...	1016·1	71·5	55·2	37·7	18·3	...	69	...	2·4	...	6	7	2	3	1	0	1	2	9
Pad Idan	0000	153	1012·0	...	1017·7	45·0	41·4	36·0	7·3	...	72	...	0·5	...	3	1	0	0	0	0	0	0	27
	0300	...	1013·7	...	1019·5	44·4	40·6	34·8	6·9	...	68	...	1·1	...	4	1	0	0	0	0	0	0	26
	1200	...	1011·3	...	1016·7	72·6	55·0	34·1	7·0	...	25	...	1·2	...	12	3	0	0	0	0	0	0	16
SIND (LOWER)																							
Umarkot	0000	55	1014·2	...	1016·2	48·9	43·9	36·8	7·6	...	64	...	0·2	...	16	4	0	0	0	0	0	3	8
	0300	...	1015·5	...	1017·5	51·3	45·9	39·2	8·0	...	62	...	0·5	...	10	5	0	0	0	0	0	1	15
	1200	...	1012·4	...	1014·3	78·1	64·5	54·5	14·6	...	45	...	1·0	...	13	2	0	0	0	1	0	10	5
Chhor	0000	19	1015·3	...	1016·0	48·9	43·2	35·2	7·0	...	60	...	0·8	...	6	2	0	0	1	1	0	0	21
	0300	...	1017·0	...	1017·7	50·2	43·8	34·6	6·9	...	54	...	1·4	...	4	10	0	0	0	0	0	1	16
	1200	...	1014·0	...	1014·7	78·2	59·3	40·3	8·7	...	24	...	1·8	...	7	13	0	0	0	3	4	4	0
Hyderabad	0000	96	1012·7	...	1016·3	54·2	46·6	37·0	7·4	...	52	...	0·0	...	27	0	0	0	0	0	0	0	4
	0300	...	1014·6	—0·2	1018·1	53·4	46·0	35·8	7·3	—1·1	51	—9	0·5	—1·3	27	0	0	0	2	0	0	1	1
	1200	...	1012·4	...	1015·8	74·6	57·1	38·9	8·1	...	28	...	1·4	...	10	14	3	0	0	0	1	1	2
Karachi (Air Port) †	0000	73	1013·6	...	1016·4	55·3	47·9	38·4	8·0	...	53	...	0·6	...	10	9	1	0	0	0	1	2	8
	0300	...	1015·6	...	1018·3	54·9	47·5	38·1	7·9	...	53	...	1·5	...	11	10	0	0	0	0	0	1	9
	1200	...	1012·6	...	1015·2	76·7	60·2	43·7	10·4	...	33	...	2·0	...	1	9	6	2	0	8	2	1	2
Karachi (Manora)	0000	13	1015·7	...	1016·2	61·1	53·0	43·6	10·1	...	55	...	0·9	...	7	13	1	0	0	0	0	2	8
	0300	...	1017·5	+0·1	1018·0	61·1	52·1	42·8	9·2	—1·4	50	—12	2·1	—0·2	9	14	1	0	0	0	0	1	6
	1200	...	1014·7	...	1015·2	73·8	62·3	52·1	14·0	...	49	...	2·0	...	1	6	3	2	1	9	8	1	0
Badin	0000	31	1014·9	...	1016·5	53·1	46·8	38·6	7·3	...	57	...	0·0	...	17	2	0	0	1	(a) 1	0	0	(a) 9
	0300	...	1017·2	+0·6	1018·6	51·5	44·9	36·2	8·1	+0·2	55	—3	0·3	—1·5	20	1	0	1	0	0	0	3	6
	1200	...	1013·7	...	1015·0	78·8	58·7	37·3	8·0	...	24	...	0·8	...	11	9	0	1	0	2	0	6	2
HILL STATIONS excluding Kashmir and Baluchistan																							
Murree	*0000	7,113	...																				
	0300	...	785·2	+0·8	797·4	37·2	32·2	23·8	4·4	—0·3	59	—1	5·1	+1·3	0	3	7	15	1	1	0	0	4
	1200	...	784·6	...	796·8	39·8	34·7	26·4	5·0	...	61	...	5·6	...	0	5	8	11	0	0	2	1	4
Cherat	*0000	4,272	...																				
	0300	...	873·9	+1·6	904·5	45·4	38·7	29·9	5·3	+0·5	52	—1	×	×	30	0	1	0	0	0	0	0	0
	1200	...	(d) 873·4	...	(d) 903·4	47·9	41·0	30·0	5·9	...	52	...	×	×	26	0	2	0	1	0	0	2	0
Drosh	0000	4,806	859·3	...	907·5	35·5	31·3	23·0	4·3	...	60	...	5·6	...	0	2	2	1	0	0	0	0	26
	0300	...	860·2	+2·3	908·4	35·6	32·8	27·7	5·2	—0·1	74	—2	6·4	+2·6	0	1	3	3	0	1	0	0	23
	1200	...	858·5	...	906·0	42·3	36·2	24·4	4·8	...	52	...	6·4	...	0	1	5	4	1	0	0	0	20
Parachinar	0000	5,673	828·2	...	796·5	33·9	30·9	26·0	4·8	...	73	...	3·1	...	8	4	2	0	0	0	0	5	12
	0300	...	829·6	+1·7	797·5	34·7	31·5	26·6	4·9	0·0	74	+5	4·1	+0·8	5	1	0	0	0	1	1	5	18
	1200	...	828·1	...	797·3	48·1	38·5	25·2	4·5	...	40	...	5·2	...	1	2	4	5	5	3	1	2	8
Wana	0300	4,503	861·5	...	899·7	32·9	30·5	26·2	4·8	—0·1	76	—4	3·0	+0·7	0	0	0	1	1	1	5	1	22
	1200	...	861·0	...	897·5	50·9	41·4	26·4	5·1	...	40	...	3·1	...	0	0	1	4	4	4	5	2	11

(a) Mean of 30 days.

* 0000 GMT. observation not recorded during winter season.

× Data rejected.

† The same observatory was previously designated as "Karachi (Drigh Road)".

(d) Mean of 27 days.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF JANUARY 1952 —*concld.*

Sub-Division and Station	Hours of Observation	Height of bar. cistern above mean sea level	Mean pressure: Stn. level reduced to standard temp. and gravity	Mean pressure: Departure from normal	Mean pressure: Reduced to standard temp. & M.S.L. or nearest Gpkm level	Mean temperature of the air & humidity: Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Total Cloud amount: Mean amount	Departure from normal	Wind direction, Number of observations from :— N	NE	E	SE	S	SW	W	NW	calm
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	GMT	Ft.	Mbs.	Mbs.	Mbs.	°F	°F	°F	Mbs.	Mbs.	%	%	Oktas										
AFGHANISTAN																							
Jalalabad	0300	1,950	950·9	...	1021·2	46·2	40·5	33·7	6·0	...	63	...	5·0	...	0	0	1	0	0	9	5	3	13
	1200	...	948·6	...	1016·8	59·9	49·2	37·8	7·7	...	47	...	4·9	...	0	0	2	2	1	1	5	8	12
Kabul	0300	5,955	824·2	...	801·9	26·7	25·2	22·5	4·0	+0·8	84	+11	5·8	+2·1	0	0	0	0	9	10	3	2	7
	1200	...	823·5	...	801·6	36·4	32·3	26·3	4·8	...	68	...	5·9	...	4	3	1	1	5	9	3	3	2
Kandahar	0300	3,462	898·8	...	902·5	35·9	34·0	30·8	5·9	...	82	...	3·4	...	0	4	0	0	0	0	0	0	27
	1200	...	897·2	...	900·7	53·5	45·3	35·3	7·0	...	50	...	3·1	...	0	5	0	0	0	5	0	0	21
IRAN																							
Jask	0300	13	1018·3	...	1018·7	62·8	57·0	53·0	13·3	...	67	...	2·9	+0·3	3	3	20	1	0	0	2	2	0
	1200	...	1016·3	...	1016·5	71·2	64·5	59·6	17·7	...	69	...	2·3	...	0	0	7	1	3	6	12	2	0
ARABIA																							
Muscat	0300	20	1017·1	...	1017·6	67·4	62·1	58·6	16·8	...	71	...	3·1	+0·6	1	2	0	0	1	5	8	3	11
	1200	...	1015·5	...	1016·0	71·2	63·8	58·8	16·8	...	64	...	1·7	...	7	6	3	0	0	0	0	13	2
Kuwait†	0500	16	1019·5	...	1020·0	54·2	50·3	54·7	10·7	...	74	...	2·4	...	2	1	1	3	2	3	8	7	4
	1200	...	1016·9	...	1017·3	61·3	55·2	49·5	15·5	...	66	...	2·6	...	3	3	2	5	0	0	2	6	10

† Recorded at 0500 hrs. G.M.T. instead of 0300 hrs. G.M.T.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF JANUARY, 1952.

Sub-Division and Station	Maximum temperature of the air °F: Mean	Departure from normal	Highest	Date	Minimum temperature of the air °F: Mean	Departure from normal	Lowest	Date	Precipitation (Inches): Total of the month	Departure from normal	Heaviest fall in 24 hours	Date	Days with 0·10" or more	Departure from normal	Wind velocity (Knots): Mean	Departure from normal	Weather Number of days: Thunder heard	Hail	Visibility Code figure 93 or less: Fog	Haze dust	Dust storm
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
EAST PAKISTAN (North)																					
Pabna ...	80·9	+1·8	85	24, 26, 30	54·7	+2·8	48	13	0·00	—0·40	0·00	...	0	—0·9	×	...	0	0	0	0	0
Rajshahi ...	...	...	...	...	...	...	...	...	0·00	—0·45	0·00	...	0	—1·0	...	...	0	0	0	0	0
Sirajganj ...	73·3	...	81	30	54·3	...	50	13, 14, 18	0·00	—0·38	0·00	0	0	—0·8	1·3	0	0	0	2	0	0
Bogra ...	79·5	+3·7	84	31	54·1	+2·0	49	13	0·00	—0·43	0·00	0	0	—1·0	1·2	+0·3	0	0	1	12	0
Dinajpur ...	80·2	+4·8	84	29	50·7	+1·1	44	13	0·00	—0·36	0·00	0	0	—0·9	0·7	—0.4	0	0	0	0	0
Rangpur ...	...	...	...	...	...	...	...	...	0·00	—0·34	0·00	0	0	—0.8	...	...	0	0	0	0	0
EAST PAKISTAN (East)																					
Cox's Bazar ...	81·2	+1·6	87	4	56·5	+0·3	50	8	0·00	—0·14	0·00	0	0	—0·3	1·7	+0·2	0	0	0	0	0
Chittagong ...	81·3	+2·5	83	10 day's	56·1	+1·1	51	14	0·00	—0·24	0·00	0	0	—0·4	2·7	—1·0	0	0	4	0	0
Noakhali ...	79·4	+1·3	82	26	55·2 (as)	—2·3	51	14, 15	0·11	—0·14	0·11	3	1	+0·5	×	—	0	0	0	0	0
Comilla ...	79·2	—3·3	82	24	56·1	+3·2	...	...	0·39	+0·07	0·39	12	1	+0·2	1·7	+0·6	0	0	0	0	0
Narayanganj ...	81·4	+3·5	85	25, 31	56·9	+1·4	52	13, 14	0·00	—0·32	0·00	0	0	—0·8	*	...	0	0	3	2	0
Brahmanbaria ...	80·8	+2·4	87	19	56·1	+4·6	51	14	0·00	—0·22	0·00	0	0	—0·7	×	...	0	0	3	0	0
Srimangal ...	79·2	—0·3	84	29	48·2	+0·7	43	13	0·51	+0·09	0·51	12	1	0·0	0·3	—1·1	1	0	2	0	0
Mymensingh ...	78·5	+2·4	81	30	50·4	—3·2	49	6 day's	0·00	—0·32	0·00	0	0	—0·9	1·7	+1·0	0	0	0	0	0

(as) Extrapolated from Brahmanbaria. *Data rejected. × Data not available.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF JANUARY, 1952—*contd.*

Sub-Division and Station	Maximum temperature of the air °F				Minimum temperature of the air °F				Precipitation (Inches)						Wind velocity (Knots)		Weather Number of days				
	Mean	Departure from normal	Highest	Date	Mean	Departure from normal	Lowest	Date	Total of the month	Departure from normal	Heaviest fall in 24 hours	Date	Days with 0·10" or more	Departure from normal	Mean	Departure from normal	Thunder heard	Hail	Visibility Code figure 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
EAST PAKISTAN (Deltaic)																					
Faridpur	73·2	—2·7	79	24, 30 31	54·0	+1·5	47	13	0·00	—0.43	0·00	0	0	—0·9	0.3	—1·2	0	0	0	0	0
Barisal	79·3	+1·5	82	31	57·8	+2·4	51	14	0·19	—0.23	0·19	3	1	+0·3	1·3	+0·2	0	0	7	0	0
Khulna	81·3	+2·8	87	31	57·4	+2·2	51	14	0·00	—0.44	0·00	0	0	—0·8	1·1	—0·6	0	0	4	0	0
Jessore	81·1	+2·5	85	26,27,30	×	...	×		0·00	—0.37	0·00	0	0	—0·9	1·4	+0·4	0	0	2	0	0
Satkhira	81·5	+1·3	85	25,26,31	54·5	+1·7	48	13	0·00	—0.38	0·00	0	0	—0·9	1·2	+0·2	0	0	0	0	0
KASHMIR																					
Srinagar*																					
Gulmarg*																					
Sonamarg*																					
Dras*																					
Leh*																					
Skardu*																					
Gilgit*																					
Misgar	30·2	...	42	22	11·7	...	6	18,19	1·19	...	0·35	7	6	...	1·6	...	0	0	0	0	0
Kargil*																					
Gurez*																					
NORTH PUNJAB																					
Lahore	69·9	+1·9	82	23	43·0	+2·9	38	5	0·41	—0·63	0·31	2	1	—1·0	1·8	+0·7	4	0	4	0	0
Sialkot	65·6	0·0	75	22,23,24	45·9	+3·7	40	5	1·54	—0·42	0·92	7	3	+0·1	1·5	+0·6	3	0	0	0	0
Jhelum	71·8	...	77	30	43·4	...	39	3,18,20	1·34	...	0·46	7	3	...	1·7	...	2	1	0	0	1
Rawalpindi ...	63·8	+1·5	75	23	40·1	+2·2	36	9,11, 12	1·89	—0·60	0·74	7	5	+1·2	2·2	+0·6	1	0	0	0	0
Khushab	70·9	+3·2	82	22	42·8	+2·1	36	5	0·26	—0·43	0·24	7	1	—0·5	3·1	+0·9	0	0	0	0	0
Lyallpur	69·1	+2·0	79	21	41·7	+1·8	35	5	0·45	+0·05	0·28	2	2	+1·0	1·5	+0·2	2	1	9	0	0
SOUTH PUNJAB																					
Montgomery ...	71·0	+2·9	81	31	42·4	+0·7	37	5, 12	0·04	—0·42	0·02	7,13	0	—0·3	...	...	1	0	0	0	0
Multan (P.B.O.) ...	72·2		80	21, 30	40·9		32	4	0·04		0·03	7	0	...	1·9	...	0	0	0	0	0
Fort Abbas ...	73·0	...	85	22	76·7	...	34	11	0.00	...	0·00	...	0	...	×	...	0	0	0	0	0
Bahawalpur ...	73·1	+3·2	85	21	42·6	+2·3	36	5	0·00	—0·16	0·00	...	0	—0·6	1·2	—0·5	0	0	0	0	1
Khanpur	74·2	+2·3	85	21	42·6	+2·7	36	15	0·00	—0·23	0·00	7	0	—0·8	3·2	—0·2	0	0	0	0	0
N.-W.F.P. (Upper)																					
Chakdara ...	60·0	...	70	4 days	39·4	...	34	25	1·31	...	0·63	7	4	...	3·6	...	0	0	0	0	0
Peshawar	65·3	+2·3	75	21,24,30	41·5	+1·1	37	5 days	0·77	—0·67	0·31	16	4	+1·1	2·5	+1·3	0	0	1	0	0
Landikotal ...	53·5	...	63	30	37·5	...	29	1	0·60	...	0·28	7	3	...	2·3	...	0	0	1	0	0
N.-W. F. P. (Lower)																					
Bannu	69·5	+4·0	79	24	44·4	+4·5	38	11, 12	0·00	—0·52	0·00	...	0	—1·2	2·6	...	0	0	0	0	0
Miranshah	61·1	+4·4	73	19	×	×	×	×	0·08	—0·72	0·08	8	0	—1·9	×	×	0	0	0	0	0
D. I. Khan ...	×	...	...	...	×	...	...	...	0·00	—0·45	0	...	0	—1·2	1·4	+0·4	0	0	0	0	0
BALUCHISTAN (North)																					
Fort Sandeman ...	56·0	+1·3	66	26	32·5	+1·9	24	3	0·72	0.00	0·36	7	3	+0·9	1·6	0·0	0	0	0	0	0
Hindubagh ...	50·9	...	61	25,26	26·9	...	13	3	*	...	*	...	*	...	*	...	0	0	0	0	0
Loralai ...	55·1	...	64	31	29·7	...	22	3	0·62	—0·14	0·40	7	2	+0·1	3·3	...	1	0	0	0	0
Harnai	...	...	...	...	...	...	...	...	0·97	+0.08	0·33	6	3	+1·0	...	...	0	0	0	0	0
Sibi	73·5	+3·4	84	23	43·5	+1·5	34	4	0·12	—0.32	0·12	7	1	—1·0	1·3	—0·8	0	0	0	0	0

× Data rejected. * Data not available.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF JANUARY 1952—*concld.*

Sub-Division and Station	Maximum temperature of the air °F				Minimum temperature of the air °F				Precipitation (Inches)						Wind velocity (Knots)		Weather Number of days				
	Mean	Departure from normal	Highest	Date	Mean	Departure from normal	Lowest	Date	Total of the month	Departure from normal	Heaviest fall in 24 hours	Date	Days with 0.10" or more	Departure from normal	Mean	Departure from normal	Thunder heard	Hail	Visibility Code figure 93 or less: Fog	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
Quetta	48·8	...	63	26	28·4	...	9	3	2·20	...	1·10	13	5	...	5·1	+2·9	0	0	17	0	0
Quetta (Samungli) ...	50·0	...	62	19	27·1	...	11	3	1·26	...	0·69	11	2	...	5·5	...	0	0	1	0	0
Chaman	53·5	+1·1	67	29	35·2	+0·7	20	2, 3	1·14	—0.50	0·36	20	4	—0·4	4·0	+0·3	0	0	0	0	0
Nushki	57·1	...	73	26	39·4	...	22	2, 3, 4	1·49	...	0·75	13	3	...	7·3	...	0	0	0	0	0
Kalat	49·2	—0·3	61	19	25·5	—0·4	13	2, 3	1·74	+0.43	0·67	6	6	+2·5	4·0	+0·3	0	0	0	0	0
Dalbandin ...	58·2	—3·3	73	29, 30	34·8	—0·5	21	3, 4	1·62	+0.74	1·01	6	3	+0·9	3·1	+0·3	0	0	3	0	1
Nokkundi ...	62·3	—1·1	78	26	39·5	+1·2	29	2, 3	1·38	+0.49	0·78	6	3	+1·0	4·8	—0·1	0	0	0	0	0
BALUCHISTAN (South)																					
Las Bela (R) ...																					
Ormara	73·6	—0·2	80	29	55·5	—1·0	45	3	0·26	—1·29	0·22	6	1	—0·8	4·5	+0·5	0	0	0	0	0
Pasni	73·6	...	84	31	53·9	...	47	8	2·56	...	1·65	6	3	...	6·8	...	0	0	0	0	0
Turbat	76·0	...	85	29	51·3	...	43	3	2·95	...	1·20	20	3	...	5·1	...	0	0	0	0	0
Panjgur	60·2	—2·7	72	26	35·1	—3·5	24	3	1·08	+0·25	0·58	6	2	+0·1	4·9	+0·5	0	0	0	0	0
SIND (Upper)																					
Reti	75·0	...	85	21, 31	38·8	...	32	18, 19	0·00	...	0·00	...	0	...	5·8	...	0	0	0	0	0
Jacobabad ...	74·0	+2·6	83	22, 31	45·0	+0·1	36	3	0·00	—0·23	0·00	...	0	—0·7	3·9	+1·3	0	0	0	0	1
Sukkur	75·2	+2·9	85	23, 25, 31	44·1	—0·9	34	3	0·00	—0·18	0·00	...	0	—0·4	×	...	0	0	0	0	0
Pad Idan	73·2	...	82	21, 31	40·4	...	29	3	0·00	...	0·00	...	0	...	1·3	...	0	0	0	0	0
SIND (Lower)																					
Umarkot	80·4	...	92	31	46·8	...	37	3	0·00	...	0·00	...	0	...	3·4	0	0	0	0	0	0
Chhor	79·8	...	90	21, 31	45·1	...	32	3	0·00	...	0·00	...	0	...	3·0	0	0	0	0	0	0
Hyderabad ...	76·6	+0·8	87	31	50·6	0·0	45	4 days	0·00	—0·17	0·00	...	0	—0·5	3·4	—0·2	0	0	0	0	0
Karachi (Air Port) ‡	79·0	...	90	31	51·1	...	39	3	0·00	...	0·00	...	0	...	4·6	...	0	0	0	0	4
Karachi (Manora) ...	77·3	+1·8	85	28	58·2	+0·8	48	3	0·00	—0·46	0·00	...	0	—1·0	6·2	+0·8	0	0	2	0	0
Badin	80·6	+4·3	91	31	47·5	+0·3	36	3	0·00	—0·15	0·00	...	0	—0·4	3·7	...	0	0	0	0	0
HILL STATIONS excluding Kashmir and Baluchistan																					
Murree	44·9	—0·3	62	20	33·5	+2·8	24	3, 11	4·97	+1·18	1·48	8	7	+0·9	9·0	+4·0	2	0	9	0	0
Cherat	50·2	+1·0	60	30	41·2	+2·3	33	5, 6	2·64	+0·31	1·17	7	4	+0·5	...	...	0	0	1	0	0
Drosh	44·6	—1·1	54	29, 30	32·9	+1·5	29	4 days	3·82	+2·45	0·79	13	10	+6·6	3·1	+0·6	0	0	0	0	0
Parachinar ...	51·6	+1·8	68	19	31·5	+2·9	22	14	1·02	—1·01	0·42	7	3	—1·6	2·8	+1·1	0	0	0	0	0
Wana	56·3	+3·0	65	5 days	28·4	+1·6	19	3	0·38	—1·01	0·28	7	1	—2·0	1·5	...	0	0	0	0	0
AFGHANISTAN																					
Jalalabad	61·4	...	70	23, 24	40·7	—	33	1	0·40	...	0·40	8	1	...	1·7	...	0	0	0	0	0
Kabul	38·3	+1·1	50	29	22·9	+3·7	7	17	2·11	+0·82	0·46	13	6	+2·9	5·3	+2·2	0	0	0	0	0
Kandahar ...	56·1	...	70	26	30·2	...	18	2, 3	2·03	...	0·46	7	6	...	1·7	...	0	0	0	0	0
IRAN																					
Jask	71·6	—2·9	76	12, 13	61·1	+0·6	53	2	1·97	+0·80	1·15	18	4	+1·9	8·9	+1·8	0	0	0	0	0
ARABIA																					
Muscat	72·7	—2·6	80	13	65·8	—0·8	61	7, 8, 15	2·04	+1·06	1·25	19	4	+2·4	4·4	+0·9	0	0	0	0	0
Kuwait (†) ...	62·2	...	68	20, 27	49·1	...	40	7	0·29	...	0·21	28	1	...	5·8	...	0	0	0	0	0

(R) Register not received.

× Data not available.

(†) Recorded at 0500 hrs. G.M.T. instead of 0900 hrs. G.M.T.

‡ Same observatory was previously designated as "Karachi (Drigh Road)"

GPPK—H 30 Met. Service—11-4-52—200

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PAKISTAN WEATHER REVIEW, 1952

MONTHLY WEATHER REPORT

FEBRUARY

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Chief Features :—(1) Four active western disturbances affected the weather over West Pakistan.

(2) Except for a few days dry weather prevailed over East Pakistan.

West Pakistan :—Four active disturbances from the West and one low over Rajputana affected the weather over West Pakistan during the month.

The first disturbance was a secondary which appeared over south Baluchistan and off Mekran coast on the 2nd. Simultaneously a trough which was extending from Kathiawar to north Rajputana on the 1st appeared as a low over Rajputana. The former moved eastnortheastwards and lay extended from northeast Baluchistan to Rajputana on the 3rd while the latter had moved north-north-eastwards into the Punjab (India). The two combined into a low which lay over the Punjab on the 4th and became unimportant by the 6th.

In their association entire West Pakistan experienced a marked spell of wet weather between the 2nd and 6th.

The second western disturbance which moved north-eastwards across Baluchistan and the extreme north of West Pakistan towards the end of the first fortnight was less active and caused moderate rainfall activity in north Baluchistan on the 12th and 13th and in the North-West Frontier Province and the Punjab from 12th to 14th.

It was closely followed by a western depression which approached Baluchistan on the 14th and moving east-northeastwards extended from the North-West Frontier Province to upper Sind on the next day with its pressure centre over the north Punjab. It moved north-northwestwards and filled up finally by the 17th. It was responsible for (1) a spell of wet weather and marked thunderstorm activity over West Pakistan (2) mild cold wave which affected Baluchistan and Sind on the 16th and 17th.

The last active western disturbance approaching Baluchistan on the 20th moved away across the north Punjab and adjoining Kashmir by the last day and caused a light spell of wet weather over north Baluchistan, the North-West Frontier Province hills and the Punjab.

Besides these western disturbances low pressure waves caused light precipitation on the extreme north of West Pakistan on the 1st and 22nd and a few duststorms in Baluchistan on the 24th and 25th and in south Baluchistan and upper Sind on the 26th.

Some of the noteworthy amounts of rainfall recorded during the month were:—Quetta 1″ on the 2nd ; Karachi (Airport) 1-1/2″, Chakdara, Cherat, Loralai, Quetta and Karachi (Manora) 1″ each on the 3rd ; Rawalpindi and Murree 2″ each, Chakdara and Cherat 1-1/2″ each, Drosh 1″ on the 4th ; Parachinar 1-1/2″ on the 15th ; Drosh 1-1/2″, Murree and Chakdara 1″ each on the 16th.

The mean actual rainfall was in large excess over Sind, in moderate excess over the North-West Frontier Province, in slight defect over the north Punjab and north Baluchistan, in moderate defect over the south Punjab and in large defect over south Baluchistan and upper Sind. The mean maximum temperature was normal over the lower North-West Frontier Province and in excess elsewhere over the region. The mean minimum temperature was normal over Sind, south Baluchistan and the upper North-West Frontier Province and in excess elsewhere over the region. The mean relative humidity was in excess over the north Punjab, the lower North-West Frontier Province and lower Sind, in defect over south Baluchistan and normal elsewhere over the region. Skies were more clouded than usual over upper Sind, as usual over the Punjab, and Baluchistan and less clouded than usual over the North-West Frontier Province and lower Sind.

East Pakistan :—Low pressure waves moving eastwards across East Pakistan caused scattered thunderstorms/showers over there on the 5th and between the 22nd and 24th ; otherwise dry weather prevailed during the month.

Some of the noteworthy amounts of rainfall recorded during the month were :—Chittagong reported 1/4″ of rainfall on the 24th.

The mean actual rainfall was in large defect over the Northern and Eastern sub-divisions, while no rain fell over the Deltaic sub-division. The mean maximum and minimum temperatures were generally in excess over the region except that the mean minimum temperature was normal over the Eastern sub-division. The mean relative humidity was in defect over the Northern sub-division and normal elsewhere over the region. Skies were clouded as usual over the region.

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

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TABLE I—DIVISIONAL AND SUB-DIVISIONAL MEANS FEBRUARY, 1952.

Division	Precipitation				Departure from Normal of				
							0300 Hrs. G. M. T.		
	Actual	Normal	Departure from normal	Percentage departure from normal	Maximum temperature	Minimum temperature	Vapour pressure	Relative humidity	Cloud
1	2	3	4	5	6	7	8	9	10
	"	"	"		°	°	Mbs.	%	
East Pakistan	0·03	0·96	—0·93	—97	+3·6	+2·0	+1·1	—4	—0·1
Mean of East Pakistan	0·03	0·96	—0·93	—97	+3·6	+2·0	+1·1	—4	—0·1
Punjab	0·75	0·96	—0·21	—22	+3·0	+3·8	+1·4	+7	—0·2
N.-W.F.P.	1·51	1·13	+0·38	+34	+1·4	+2·5	+1·0	+4	—1·4
Baluchistan	0·67	1·27	—0·60	—47	+2·9	+1·0	—0·5	—3	0·0
Sind	0·49	0·33	+0·16	+48	+3·5	+1·3	+0·3	+4	+0·1
Mean of West Pakistan excluding Baluchistan	0·79	0·77	+0·02	+3	+2·9	+2·7	+1·0	+5	—0·3
SUB-DIVISION									
East Pakistan (North)	0·05	0·75	—0·70	—93	+4·6	+2·9	+0·5	—10	—0·3
East Pakistan (East)	0·04	1·06	—1·02	—96	+3·4	+1·4	+1·2	—2	—0·2
East Pakistan (Deltaic)	0·00	1·08	—1·08	—100	+3·1	+2·3	+1·4	—2	0·0
Kashmir*	...	...	...	...	...	...	...	...	...
North Punjab	1·06	1·32	—0·26	—20	+3·3	+4·0	+1·9	+9	—0·3
South Punjab	0·23	0·35	—0·12	—34	+2·4	+3·5	+0·6	+3	0·0
N.-W.F.P. (Upper)	2·07	1·53	+0·54	+35	+2·1	+1·7	+1·1	—1	—1·8
N.-W.F.P. (Lower)	1·23	0·93	+0·30	+32	+1·1	+3·4	+1·0	+7	—1·1
Baluchistan (North)	0·87	1·15	—0·28	—24	+3·4	+2·7	—0·1	—1	+0·2
Baluchistan (South)	0·27	1·52	—1·25	—82	+2·2	—1·9	—1·2	—7	—0·4
Sind (Upper)	0·09	0·31	—0·22	—71	+3·7	+1·8	—0·5	—1	+1·6
Sind (Lower)	0·75	0·35	+0·40	+114	+3·4	+0·9	+0·9	+7	—0·9

*Data incomplete.

TABLE II—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF FEBRUARY, 1952

Sub-Division and Station	Hours of Observation	Height of bar cistern above mean sea level	Mean pressure: Stn. level reduced to standard temp. and gravity	Mean pressure: Departure from normal	Mean pressure: Reduced to standard temp. & M.S.L. or nearest Gpkm level	Mean temperature of the air and humidity: Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Total Cloud amount: Mean amount	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 (North)	GMT	Ft.	Mbs.	Mbs.	Mbs.	°F	°F	°F	Mbs.	Mbs.	%	%	Oktas	Oktas									
Pabna	0300	...	...	...	...	73·2	63·3	56·0	15·2	—0·7	55	—15	...	...	...	...	...	...	...	...	...	...	...
Sirajganj	0000	49	1010·1	...	1012·0	59·9	58·0	56·5	15·6	...	88	...	1·4	...	1	0	0	0	1	5	3	5	14
	0300	...	1012·3	...	1014·1	70·6	63·6	58·7	17·2	...	66	...	2·3	...	1	1	2	2	0	4	6	5	8
	1200	...	1008·5	...	1010·3	77·6	66·7	59·0	17·6	...	54	...	2·6	...	0	0	0	0	1	1	3	3	21
Bogra*	0000	65	1009·5	...	1011·9	60·2	57·0	53·7	14·5	...	82	...	1·7	...	0	0	0	0	0	0	0	1	28
	0300	63	1011·7	—1·3	1013·9	69·0	62·1	57·2	15·8	+1·1	65	—7	1·7	—0·2	1	4	8	0	0	7	2	4	3
	1200	...	1007·8	...	1010·1	81·1	65·5	53·9	14·5	...	40	...	2·3	...	3	0	0	0	0	0	12	8	6
Dinajpur	0000	123	1008·9	...	1013·3	56·5	54·4	52·5	13·9	...	87	...	1·2	...	0	0	0	0	0	1	0	2	26
	0300	...	1010·7	—0·1	1015·1	67·9	60·8	55·1	15·2	+1·2	65	—8	1·5	—0·4	4	1	1	0	0	2	4	1	16
	1200	...	1007·1	...	1011·3	76·8	64·5	55·4	15·1	...	47	...	1·8	...	1	1	0	0	0	1	0	0	26
EAST PAKISTAN (East)																							
Cox's Bazar	0000	38	1011·3	...	1012·6	61·4	59·8	58·4	16·7	...	91	...	2·4	...	0	0	0	0	0	0	0	0	29
	0300	...	1012·8	—0·8	1014·1	73·8	66·7	61·5	19·4	+1·0	68	—1	2·3	+0·8	0	2	0	0	0	0	0	0	27
	1200	...	1010·0	...	1011·3	75·9	68·0	63·4	19·8	...	64	...	2·0	...	0	0	0	0	0	0	0	0	29
Chittagong	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	0300	87	1011·2	—1·4	1014·2	73·6	65·0	59·5	17·6	+0·3	62	—9	2·3	+0·5	9	7	7	1	0	0	0	0	5
	1200	...	1007·6	...	1010·7	77·9	66·7	59·6	17·6	...	53	...	2·3	...	5	1	0	0	0	10	8	3	2
Noakhali (Maijdee)	0000	25	†	...	†	64·0	61·2	59·3	17·0	...	83	...	1·0	...	†	...	...	...	...	...	...	...	...
	0300	...	†	...	†	69·2	65·0	62·3	17·3	+0·6	80	+7	1·7	—0·5	†	...	—	...	...	...	...	...	...
	1200	...	†	...	†	77·6	68·4	62·1	20·1	...	61	...	1·7	...	†	...	...	...	...	...	...	..	...
Comilla	0000	29	1011·1	...	1012·1	59·0	58·2	57·3	16·0	...	94	...	3·3	...	0	2	0	0	6	0	1	0	20
	0300	...	1013·0	—1·5	1014·0	69·0	64·5	61·9	18·7	+1·0	77	+6	1·7	—0·5	2	1	1	3	8	0	3	2	9
	1200	...	1009·5	...	1010·4	81·1	68·4	60·1	18·1	...	50	...	2·5	...	2	0	0	1	2	2	4	8	10
Narayanganj	0000	26	1010·9	...	1011·7	63·1	60·7	59·0	16·9	...	86	...	2·0	...	0	0	0	1	0	1	0	0	27
	0300	...	1012·3	—2·1	1013·2	73·0	64·7	59·0	16·9	+0·2	61	—10	2.3	—0·2	1	1	0	0	1	3	1	3	19
	1200	...	1008·5	...	1009·4	79·9	65·9	56·3	15·5	...	44	...	1·7	...	0	0	0	0	0	0	1	0	28
Brahmanbaria	0000	32	1011·8	...	1012·8	61·4	59·6	58·1	16·2	...	88	...	1·6	...	0	0	0	0	4	0	0	0	25
	0300	...	1013·2		1014·3	73·6	66·1	61·2	18·8	+2·9	65	—2	1·6		4	0	2	1	6	5	2	0	9
	1200	...	1009·7	...	1010·8	79·4	66·8	58·3	16·6	...	49	...	0·7	...	0	0	0	0	0	0	2	0	27
Srimangal	0000	69	1010·1	...	1012·6	54·6	53·9	52·7	14·3	...	97	...	2·1	...	0	0	0	1	0	0	0	0	28
	0300	...	1011·7	—1·3	1014·2	67·2	62.5	59·4	17·8	+2·2	77	0	2·0	—0·1	0	0	0	1	2	3	0	0	23
	1200	...	1007·8	...	1010·2	76·0	68·0	63·6	19·8	...	64	...	2·0	...	0	0	0	0	0	0	0	0	29
Mymensingh	0000	62	1010·5	...	1012·8	52·3	50·4	48·3	11·4	...	86	...	1·8	...	0	0	2	0	0	0	0	0	27
	0300	...	1012·5	—0·9	1014·7	66·4	61·9	58·7	16·6	+1·1	76	+2	0·8	—1·5	0	1	15	0	0	0	3	0	10
	1200	...	1008·7	...	1010·9	76·1	65·9	58·8	17·3	...	57	...	2·2	...	0	0	2	0	0	0	1	0	26
EAST PAKISTAN (Deltaic).																							
Faridpur	0000	46	1010·8	...	1012·4	59·2	58·1	56·9	16·0	...	94	...	2·0	...	2	0	0	0	0	1	0	0	26
	0300	...	1012·3	—1·2	1013·9	71·5	65·0	60·4	17·8	+1·5	69	—5	2·4	+0·4	3	0	0	0	5	0	0	4	17
	1200	...	1010·0	...	1011·6	79·6	68·5	61·5	19·2	...	55	...	2·6	...	3	2	0	0	0	0	0	3	21
Barisal	0000	11	1011·4	...	1011·8	63·5	61·9	60·5	18·0	...	91	...	2·4	...	0	0	0	0	0	0	0	1	28
	0300	...	1013·5	—1·2	1013·9	71·1	65·9	62·5	19·6	+1·1	75	+2	2·5	+0·4	3	0	0	1	0	4	3	3	15
	1200	...	1009·9	...	1010·3	81·4	67·8	59·0	61·9	...	47	...	2·7	...	2	0	0	1	1	0	0	2	23
Khulna	0000	16	1011·6	...	1012·4	62·6	61·9	60·0	19·1	...	97	...	1·5	...	0	0	0	0	0	0	0	0	29
	0300	...	1013·7	—1·1	1014·2	72·0	65·9	61·7	19·1	+2·6	71	+5	2·0	—0·5	0	1	0	0	0	3	4	2	19
	1200	...	1011·0	...	1011·5	79·7	67·3	59·0	17·3	...	49	...	1·7	...	0	0	0	1	0	2	2	1	23
Jessore	0000	26	1011·8	...	1012·8	58·1	56·6	55·3	14·9	...	91	...	0·8	...	0	0	1	0	1	0	0	0	27
	0300	...	1013·2	—1·4	1014·2	72·0	64·8	60·5	17·9	+1·5	67	—4	1·1	—1·1	2	2	0	0	2	4	2	1	16
	1200	...	1010·2	...	1011·1	76·1	66·8	61·1	17·9	...	59	...	0·5	...	1	0	0	0	0	1	1	0	26
Satkhira	0000	16	1012·5	...	1013·1	61·9	60·3	59·1	17·3	...	91	...	2·7	...	0	0	0	0	0	0	0	0	29
	0300	...	1013·6	—1·0	1014·2	71·1	64·1	60·3	17·2	+0·1	66	—8	3·0	+0·6	3	2	0	0	0	4	0	9	11
	1200	...	1010·7	...	1011·2	80·4	76·4	71·4	28·8	...	83	...	3·0	...	0	0	0	0	0	0	0	1	28

* The observations at 0000 hrs. have been taken from a distant site by the F. B. O. Staff.

† Data not available.

TABLE II—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF FEBRUARY, 1952

Sub-Division and Station	Hours of Observation	Height of bar cistern above mean sea level	Mean pressure: Stn. level reduced to standard temp. and gravity	Mean pressure: Departure from normal	Mean pressure: Reduced to standard temp. & M.S.L. or nearest Gpkm level	Mean temperature of the air and humidity: Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Total Cloud amount: Mean amount	Departure from normal	Wind direction, Number of observations from:— N	NE	E	SE	S	SW	W	NW	Calm
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	G.M.T.	Ft.	Mbs.	Mbs.	Mbs.	°F	°F	°F	Mbs.	Mbs.	%	%	Oktas	Oktas									
KASHMIR																							
Srinagar*	0000	5205																					
	0300																						
	1200																						
Gulmarg*	0000	8709																					
	0300																						
	1200																						
Dras*	0000	10059																					
	0300																						
	1200																						
Leh*	0000	11529																					
	0300																						
	1200																						
Skardu*	0000	7505																					
	0300																						
	1200																						
Gilgit*	0000	4890																					
	0300																						
	1200																						
Misgar	0000	10190	696·1	...	699·9	22·9	20·9	17·0	3·1	...	77	...	4·7	...	0	0	0	0	0	0	4	0	25
	0300	...	696·8	...	700·6	22·1	20·5	17·3	3·1	...	82	...	5·7	...	1	0	5	0	0	0	7	0	16
	1200	...	695·4	...	699·1	32·1	22·2	14·9	1·2	...	22	...	6·1	...	0	0	17	0	0	0	8	0	4
NORTH PUNJAB																							
Lahore	0000	702	989·0	...	1014·6	51·3	49·6	47·7	11·3	...	86	...	2·6	...	1	3	1	0	0	0	1	2	21
	0300	...	990·1	—0·6	1015·7	51·4	50·6	47·9	12·3	+2·6	94	+19	2·9	—0·2	1	1	3	1	0	0	1	3	19
	1200	...	988·0	...	1012·5	72·6	59·4	47·9	11·4	...	43	...	3·5	...	1	0	2	2	0	0	2	8	14
Sialkot	0000	830	983·7	...	1013·8	53·2	50·5	48·0	11·3	...	79	...	3·8	...	0	9	4	0	0	0	2	3	11
	0300	...	984·9	—1·3	1014·9	53·9	50·9	47·9	11·3	+0·7	80	—3	3·9	+1·3	6	3	2	1	0	1	3	5	8
	1200	...	983·3	...	1012·3	69·7	59·0	49·7	12·2	...	48	...	4·1	...	1	3	2	2	1	5	7	2	6
Jhelum	0000	765	986·8	...	1014·8	51·3	48·9	46·4	10·7	...	84	...	3·2	...	1	1	0	2	0	0	1	5	19
	0300	...	988·4	...	1016·4	52·7	47·8	46·8	9·2	...	81	...	3·8	...	1	1	1	2	0	1	1	8	14
	1200	...	986·2	...	1013·1	70·2	57·6	45·6	10·6	...	43	...	4·1	...	1	0	1	4	1	0	6	11	5
Rawalpindi	0000	1676	956·1	...	1016·2	47·7	46·2	44·6	10·1	...	89	...	*	...	1	0	0	0	0	0	2	0	26
	0300	...	957·2	✗0·0	1017·3	49·5	47·5	44·4	10·4	+1·9	86	+8	2·5	—0·8	1	0	0	0	0	0	4	0	24
	1200	...	955·1	...	1013·5	62·0	54·7	47·0	11·7	...	61	...	3·2	...	0	0	0	0	0	1	10	3	15
Khushab	0000	616	992·4	...	1014·8	52·0	49·6	47·1	11·0	...	84	...	2·3	...	4	6	2	2	2	1	5	3	4
	0300	...	993·7	—0·8	1016·1	53·4	50·6	47·8	11·3	+3·0	81	+16	2·2	—0·8	2	4	5	2	0	3	4	3	6
	1200	...	991·3	...	1012·9	73·0	62·8	55·2	15·0	...	54	...	3·3	...	4	12	3	3	1	0	1	4	1
Lyallpur	0000	605	992·5	...	1014·6	51·8	48·9	45·7	10·5	...	83	...	2·5	...	5	4	1	1	1	2	2	0	13
	0300	...	993·2	—0·7	1015·3	51·1	48·8	46·6	10·7	+1·4	82	+7	2·6	—1·2	2	4	2	0	3	0	2	2	14
	1200	...	991·4	...	1012·6	71·4	58·1	45·5	10·5	...	40	...	2·9	...	3	7	2	2	2	1	3	5	4
SOUTH PUNJAB																							
Montgomery	0000	558	993·6	...	1013·9	51·5	48·7	45·4	10·5	...	80	...	2·7	...	3	0	0	0	1	5	1	3	16
	0300	...	995·1	—0·9	1015·3	52·3	49·1	45·6	10·5	+0·5	79	+1	3·1	+0·7	0	2	0	1	0	5	1	5	15
	1200	...	992·7	...	1012·2	73·3	59·7	47·1	11·4	...	42	...	2·4	...	0	1	1	0	0	2	1	3	21
Multan	0300	413	1000·4	—0·9	1015·4	54·0	49·1	43·3	9·8	—0·9	68	—2	3·2	+0·7	7	1	0	2	6	0	0	5	8
	1200	...	998·2	...	1012·7	74·9	57·6	39·1	8·5	...	31	...	4·3	...	7	2	0	3	5	2	1	3	6
Fort Abbas	0000	475	×	...	×	50·1	44·6	37·5	7·5	...	61	...	0·4	...	2	3	1	7	0	6	0	0	10
	0300	...	×	...	×	57·9	50·4	41·0	9·1	...	56	...	1·1	...	3	4	3	3	3	4	0	1	8
	1200	...	×	...	×	74·6	66·7	60·4	18·8	...	64	...	1·6	...	2	9	0	3	0	2	1	5	7
Bahawalpur	0300	384	1001·1	—0·6	1015·1	52·1	48·2	43·3	9·7	+0·2	73	+6	1·8	—0·8	5	8	0	4	0	1	0	1	10
	1200	...	998·7	...	1012·1	75·8	60·2	46·0	10·8	...	36	...	2·8	...	11	4	0	0	0	1	1	0	12
Khanpur	0300	297	1004·7	—0·1	1015·6	54·7	49·9	43·9	10·1	+1·2	68	+2	2·7	+0·2	10	8	2	1	4	1	0	2	1
	1200	...	1002·0	...	1012·4	77·3	59·4	42·3	8·7	...	33	...	2·6	...	6	9	3	0	2	4	2	2	1

* Data not available. × Data rejected.

TABLE II—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF FEBRUARY, 1952

Sub-Division and Station	Hours of Observation	Height of bar. cistern above mean sea level	Mean pressure: Sin. level reduced to standard temp. and gravity	Mean pressure: Departure from normal	Mean pressure: Reduced to standard temp. & M.S.L. or nearest Gpkm level	Mean temperature of the air and humidity: Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Total Cloud amount: Mean amount	Departure from normal	Wind direction, Number of observations from:— N	NE	E	SE	S	SW	W	NW	Calm
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	GMT	Ft.	Mbs.	Mbs.	Mbs.	°F	°F	°F	Mbs.	Mbs.	%	%	Oktas.	Oktas.									
N.-W. F. P. (UPPER).																							
Chakdara	0000	2197	937·1	...	1016·5	46·2	43·9	40·1	8·8	...	83	...	2·4	...	4	6	2	3	0	0	0	0	14
	0300	...	937·9	...	1017·4	47·0	43·7	41·0	8·4	...	77	...	3·6	...	13	4	3	0	0	2	1	1	5
	1200	...	935·9	...	1012·7	61·7	53·0	45·2	10·3	...	55	...	4·2	...	1	1	4	1	11	4	3	1	3
Peshawar	0000	1175	973·9	...	1016·5	49·3	46·0	41·7	9·1	...	74	...	3·2	...	1	0	1	3	6	4	1	0	13
	0300	...	975·2	—0·5	1017·7	49·8	46·5	42·3	9·3	+1·1	75	—1	3·3	—1·8	0	0	0	5	9	3	0	0	12
	1200	...	973·2	...	1014·5	65·4	53·5	40·2	8·7	...	40	...	4·8	...	5	1	1	2	1	1	2	5	11
Landi Kotal	0000	3503	894·5	...	899·7	42·7	39·6	34·9	7·0	...	76	...	3·3	...	0	0	0	0	0	1	0	3	25
	0300	...	895·5	...	900·7	44·2	40·3	34·4	6·9	...	69	...	3·1	...	0	0	0	0	0	0	0	6	23
	1200	...	894·6	...	889·3	55·0	46·1	34·9	7·1	...	47	...	4·3	...	1	3	0	2	0	3	0	14	6
N.-W.F.P. (LOWER)																							
Bannu	0000	1264	971·2	...	1016·9	50·5	46·0	39·6	8·6	...	68	...	1·4	...	3	2	1	4	2	0	3	6	8
	0300	...	971·6	...	1017·3	51·1	46·5	40·5	8·7	+0·6	68	+2	1·7	—0·8	1	0	2	0	2	0	7	7	10
	1200	...	970·0	...	1014·3	67·2	54·7	40·1	9·0	...	39	...	1·8	...	1	0	1	4	8	2	3	2	8
Miranshah	0000	3026	911·8	...	900·9	44·5	40·9	35·4	7·3	...	73	...	2·4	...	0	4	4	6	1	4	1	0	9
	0300	...	911·2	...	900·3	46·2	42·4	37·3	7·6	+1·5	71	+1	3·1	+0·5	1	2	0	0	0	2	1	5	18
	1200	...	909·7	...	899·1	60·3	52·6	45·2	10·5	...	57	...	4·7	...	2	2	9	9	0	1	1	2	3
D. I. Khan	0000	570	994·2	...	1015·0	51·2	47·5	43·0	9·5	...	75	...	0·6	...	2	5	0	0	0	0	1	1	20
	0300	...	994·9	—1·2	1015·9	50·3	47·7	45·0	10·1	+1·4	82	+11	1·1	—1·5	1	0	0	0	0	0	4	3	21
	1200	...	992·8	...	1012·8	72·0	58·3	46·0	10·5	...	40	...	1·7	...	3	3	4	4	0	0	1	1	13
BALUCHISTAN (North).																							
Fort Sandeman	0300	4614	860·8	+0·7	902·0	43·4	38·8	31·8	6·2	+0·4	65	—9	3·3	+0·6	1	0	0	1	0	0	0	0	27
	1200	...	858·7	...	898·4	59·8	44·8	21·6	4·2	...	23	...	4·1	...	0	1	0	0	0	6	3	0	19
Hindubagh	0000	5909	819·0	...	796·0	38·9	36·9	34·5	6·7	...	84	...	1·4	...	0	0	0	0	0	0	3	0	26
	0300	...	820·8	...	797·2	37·8	36·2	34·0	6·8	...	88	...	1·7	...	0	0	0	0	0	0	5	0	24
	1200	...	819·1	...	795·0	54·9	49·8	46·3	10·1	...	71	...	3·3	...	0	0	0	0	0	0	14	0	15
Loralai (R)	0000	4699	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	0300	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	1200	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sibi	0000	441	997·5	...	1013·5	56·0	49·2	40·0	8·7	...	57	...	1·6	...	1	0	0	0	0	0	0	2	26
	0300	...	998·6	—0·8	1015·0	55·0	47·9	38·3	8·3	+0·7	56	+5	3·0	+0·5	0	4	0	0	0	0	0	2	23
	1200	...	996·6	...	1011·9	77·0	58·3	37·1	9·0	...	27	...	1·8	...	0	1	0	4	4	5	2	0	13
	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Quetta	0300	5490	832·6	—1·0	795·4	38·4	36·3	33·6	6·6	+1·1	83	+8	3·3	+0·1	2	1	0	3	8	2	0	1	12
	1200	...	830·4	...	794·5	54·8	45·0	33·6	6·8	...	45	...	3·6	...	5	0	1	0	4	6	2	7	4
Quetta (Samungli)	0000	5253	841·8	...	796·7	35·7	33·2	29·3	5·6	...	79	...	2·7	...	0	0	2	17	1	1	0	0	8
	0300	...	842·6	...	797·7	37·3	34·4	30·8	5·6	...	75	...	3·3	...	0	1	3	9	1	1	1	1	12
	1200	...	840·1	...	797·4	55·7	46·3	36·9	7·4	...	48	...	3·8	...	1	1	0	8	0	0	7	9	3
Chaman	0000	4311	868·5	...	899·6	46·6	40·7	32·3	6·1	...	57	...	2·1	...	0	1	13	12	1	0	1	1	0
	0300	...	869·7	—0·4	900·8	46·1	40·2	32·0	6·0	—0·1	57	—4	3·2	+0·1	0	2	15	10	2	0	0	0	0
	1200	...	868·1	...	898·4	58·9	48·3	35·8	7·4	...	43	...	2·8	...	3	0	1	2	1	11	3	8	0
Nushki	0000	3416	902·6	...	904·3	52·7	45·6	37·8	7·6	...	57	...	0·0	...	1	2	0	0	0	0	0	26	0
	0300	...	902·1	...	903·8	53·7	45·5	35·7	7·1	...	52	...	0·0	...	0	4	7	3	0	2	1	9	3
	1200	...	899·8	...	901·4	66·8	52·9	38·2	9·1	...	36	...	0·3	...	1	0	1	0	0	10	6	11	0
Kalat	0000	6616	798·8	...	796·1	33·6	30·8	26·6	4·7	...	72	...	2·0	...	0	0	0	0	20	0	0	1	8
	0300	...	799·7	+0·5	797·0	33·3	30·0	26·2	4·3	—0·5	73	+5	3·2	+0·4	1	0	0	0	23	1	0	0	4
	1200	...	798·2	...	795·5	53·4	42·7	30·6	5·6	...	41	...	3·1	...	2	0	0	1	13	0	2	11	0
Dalbandin	0000	2785	918·0	...	898·9	48·8	43·8	37·4	8·1	...	66	...	2·4	...	1	5	4	4	0	0	0	2	13
	0300	...	919·0	—0·2	899·9	46·6	42·5	37·3	7·7	+0·4	71	+5	3·1	+0·5	0	1	2	2	2	0	1	0	21
	1200	...	916·8	...	898·6	70·2	54·6	39·0	8·4	...	33	...	3·0	...	0	3	5	3	5	9	3	0	1
Nokkundi	0000	2229	935·1	...	1013·7	52·6	44·2	30·5	6·4	...	47	...	0·1	...	9	9	1	1	0	0	0	7	2
	0300	...	936·9	...	1015·5	52·8	42·5	30·6	5·4	—2·0	37	—12	2·1	—0·4	7	13	2	1	1	0	0	4	1
	1200	...	934·4	...	1009·4	72·7	53·2	30·1	6·1	...	22	...	2·2	...	5	0	3	9	3	1	0	6	2

(R) Register not received.

TABLE II—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF FEBRUARY, 1952

Sub-Division and Station	Hours of Observation	Height of bar. cistern above mean sea level	Mean pressure: Stn. level reduced to standard temp. and gravity	Mean pressure: Departure from normal	Mean pressure: Reduced to standard temp. & M.S.L. or nearest Gpkm level	Mean temperature of the air and humidity: Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Total Cloud amount: Mean amount	Departure from normal	Wind direction, Number of observations from:— N	NE	E	SE	S	SW	W	NW	Calm
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	GMT	Ft.	Mbs.	Mbs.	Mbs.	°F	°F	°F	Mbs.	Mbs.	%	%	Oktas.	Oktas.									
BALUCHISTAN (South)																							
Las Bela (R)	0000 0300 1200	292																					
Ormara	0000	15	1012·3	...	1012·8	61·6	58·4	56·3	15·2	...	82	...	0·0	...	1	0	1	0	0	0	6	0	21
	0300	...	1013·9	...	1014·4	62·8	57·7	52·9	14·2	—2·0	72	—10	0·3	—2·5	2	0	0	1	0	1	4	0	21
	1200	...	1011·6	...	1012·1	75·7	65·3	57·7	16·3	...	54	...	0·4	...	0	0	0	2	3	6	17	0	1
Pasni	0000	10	1013·9	...	1014·0	57·8	56·1	53·6	14·9	...	91	...	2·2	...	1	0	0	0	0	1	9	10	8
	0300	...	1014·8	—0·7	1015·0	59·2	56·9	54·9	14·5	—0·1	85	+4	2·4	+0·1	2	0	0	0	0	1	6	14	6
	1200	...	1012·1	...	1012·5	76·4	67·1	60·7	18·3	...	59	...	1·9	...	0	0	0	1	4	21	2	1	0
Turbat	0000	510	997·0	...	1015·1	58·3	53·8	49·6	12·0	...	73	...	1·1	...	1	22	1	4	1	0	0	0	0
	0300	...	998·2	...	1016·7	60.6	54·1	45·4	11·3	...	62	...	1·6	...	1	15	2	10	0	1	0	0	0
	1200	...	994·4	...	1012·3	82·8	65·4	52·3	13·6	...	35	...	1·8	...	0	1	0	1	0	3	9	14	1
Panjgur	0000	3177	905·0		899·1	48·6	42·1	32·7	6·3	...	55	...	2·4	...	13	4	0	0	1	6	2	3	0
	0300	...	905·5	—0·5	899·7	46·9	40·7	31·7	6·3	—1·5	57	—15	3·3	+1·2	3	20	2	0	2	2	0	0	0
	1200	...	903·3	...	897·8	69·7	50·7	26·6	4·9	...	20	...	3·1	...	2	1	0	0	0	16	3	7	0
SIND (Upper)																							
Reti	0000	280	1004·5	...	1014·7	53·2	47·6	40·4	8·8	...	64	...	0·4	...	14	7	3	0	1	0	0	0	4
	0300	...	1006·2	...	1016·5	53·6	46·8	37·4	7·9	...	55	...	1·0	...	11	7	2	1	3	0	1	0	4
	1200	...	1003·1	...	1012·8	79·5	60·7	41·9	9·6	...	27	...	1·0	...	8	4	5	1	1	2	6	1	1
Jacobabad	0000	183	1006·6	...	1013·3	57·6	48·5	36·0	7·6	...	47	...	2·0	...	2	3	14	3	1	0	1	4	1
	0300	...	1008·2	—1·0	1015·0	56·6	48·2	36·2	7·6	—1·5	49	—10	3·4	+1·4	2	3	8	3	3	3	3	3	1
	1200	...	1005·3	...	1011·7	79·5	58·5	34.9	7·4	...	21	...	2·7	...	4	0	4	6	2	4	3	5	1
Sukkur	0300	221	1006·6	—0·4	1014·7	56·5	50·9	44·8	10.2	+0·5	67	+9	3·4	+ ·8	1	6	12	8	0	1	0	0	1
	1200	...	1003·9	...	1011·5	79·0	60·9	45·7	10·1	...	30	...	3·0	...	5	7	2	3	4	3	0	2	3
Pad Idan	0000	153	1007·2	...	1012·8	51·9	48·3	43·8	10·4	...	76	...	1·2	...	2	1	0	0	0	0	0	0	26
	0300	...	1009·3	...	1014·9	52·2	48·3	43·9	9·7	...	73	...	2·2	...	1	2	0	1	0	0	1	2	22
	1200	...	1006·6	...	1011·9	79·9	61·8	45·8	10·8	...	31	...	2·4	...	5	1	0	2	1	2	0	1	17
SIND (Lower)																							
Umarkot	0000	55	1010·3	...	1012·3	57·5	53·7	50·0	12·4	...	75	...	0·0	...	9	4	3	0	7	2	0	0	4
	0300	...	1011·7	...	1013·7	59·7	55·6	51·5	13·3	...	76	...	0·0	...	5	1	2	1	1	5	1	0	13
	1200	...	1008·7	...	1010·2	83·3	71·8	64·8	21·4	...	55	...	0·7	...	11	3	0	0	0	4	4	7	0
Chhor	0000	19	1011·6	...	1012·3	54·4	49·8	43·9	10·2	...	70	...	1·0	...	2	5	1	0	0	4	1	1	15
	0300	...	1013·4	...	1014·1	56·2	51·1	44·4	10·5	...	69	...	1·7	...	3	4	1	0	0	6	0	0	15
	1200	...	1010·3	...	1011·0	83·2	63·8	46·6	10·4	...	47	...	2·2	...	4	11	0	0	0	7	5	2	0
Hyderabad	0000	96	1009·0	...	1012·5	59·0	53·2	46·9	12·2	...	70	...	0·5	...	8	2	1	0	0	7	2	2	7
	0300	...	1010·8	—1·4	1014·4	57·9	52·3	45·8	11·0	+0·9	67	+8	0·4	—1·3	11	0	1	0	2	5	2	0	8
	1200	...	1009·2	...	1012·1	82·4	62·9	42·2	10·8	...	28	...	1·5	...	5	10	3	2	1	6	0	2	0
Karachi (Airport) * ...	0000	73	1010·4	...	1013·1	60·3	56·0	51·6	13·4	...	73	...	0·9	...	8	1	0	1	0	0	2	1	16
	0300	...	1012·2	...	1014·9	60·1	55·6	51·1	13·1	...	73	...	1·9	...	6	1	0	0	0	0	1	2	19
	1200	...	1009·3	...	1012·1	78·8	64·1	50·5	13·9	...	41	...	2·0	...	0	1	1	1	1	16	9	0	0
Karachi (Manora) * ...	0000	13	1012·5	...	1013·0	65·7	61·5	58·2	16·5	...	79	...	1·5	...	1	3	3	0	0	1	5	0	16
	0300	...	1014·1	—1·1	1014·6	66·3	61·2	56·9	16·3	+1·8	74	+4	2·4	+0·3	1	5	1	0	0	0	3	2	17
	1200	...	1011·7	...	1012·2	75·7	66·3	60·0	17·8	...	59	...	2·3	...	0	0	0	0	1	12	14	1	1
Badin	0000	31	1012·7	...	1013·6	56·6	51·0	45·5	10·3	...	67	...	0·6	...	10	1	0	0	2	3	2	2	9
	0300	...	1013·7	+0·1	1015·3	57·6	53·6	49·3	12·3	—0·1	76	+8	0·2	—1·7	8	0	0	0	0	6	1	6	8
	1200	...	1010·5	...	1011·6	84·0	68·8	60·0	17·0	...	44	...	0·2	...	7	7	0	0	1	4	2	4	4

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1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	GMT	Ft.	Mbs.	Mbs.	Mbs.	°F	°F	°F	Mbs.	Mbs.	%	%	Oktas.	Oktas.									
HILL STATIONS excluding Kashmir and Baluchistan.																							
Murree	0000*	7113																					
	0300	...	783·4	0·0	795·5	39·4	34·6	26·5	5·1	+0·2	62	+1	4·5	+0·7	0	1	9	14	0	0	0	3	2
	1200	...	782·9	...	794·9	43·4	38·8	32·9	6·4	...	66	...	5·5	...	0	1	5	13	0	0	4	3	3
Cherat	0000*	4272																					
	0300	...	870·9	0·0	900·9	46·1	40·6	32·7	6·4	+1·0	60	+4	2·8	—0·7	28	0	0	0	0	0	0	0	1
	1200	...	870·2	...	899·8	51·4	44·7	36·2	7·4	...	58	...	4·4	...	21	0	0	0	4	0	0	4	0
Drosh	0000	4806	856·3	...	904·0	38·1	33·7	25·9	4·9	...	61	...	4·2	...	0	5	2	2	1	0	0	0	19
	0300	...	857·3	+0·9	905·1	38·6	35·0	28·7	5·5	+0·2	69	—2	5·7	+1·8	0	3	5	3	1	2	0	0	15
	1200	...	854·7	...	901·5	47·9	38·9	23·4	4·5	...	39	...	5·5	...	1	5	5	5	0	3	3	0	7
Parachinar	0000	5673	826·4	...	798·2	35·9	33·2	28·5	5·5	...	77	...	1·7	...	11	5	0	1	0	0	1	2	9
	0300	...	827·4	+0·7	799·3	38·5	34·3	27·8	5·2	+0·2	67	—1	2·6	—0·8	0	2	0	2	0	0	2	2	21
	1200	...	826·7	...	799·3	49·6	40·7	29·7	5·5	...	46	...	4·8	...	0	0	0	12	0	4	0	1	12
Wana	0300	4503	†	...	†	40·9	37·7	32·9	6·4	+0·8	73	—3	3·2	+0·4	0	0	0	1	1	4	1	1	21
	1200	...	†	...	†	54·5	45·4	34·3	6·7	...	46	...	3·7	...	2	0	0	4	5	2	4	3	9
AFGHANISTAN																							
Jalalabad	0300	1950	946·8	...	1016·3	49·4	44·2	38·6	7·8	...	65	...	3·4	...	0	0	0	0	0	13	2	5	9
	1200	...	944·1	...	1011·5	63·9	52·6	41·3	9·0	...	46	...	4·5	...	0	1	2	2	0	1	4	2	17
Kabul	0300	5955	821·8	...	799·9	32·3	29·6	24·7	4·6	+1·3	76	+4	4·1	—0·2	0	1	0	0	10	10	3	2	3
	1200	...	824·0	...	799·1	44·7	38·3	29·7	5·5	...	55	...	4·6	...	3	4	2	1	7	6	2	1	3
Kandahar	0300	3462	895·1	...	898·8	39·7	37·9	35·6	7·0	...	85	...	2·5	...	0	3	0	0	0	0	0	0	26
	1200	...	893·2	...	896·6	63·0	51·1	38·8	8·0	...	41	...	2·5	...	0	5	0	0	0	5	0	1	18
IRAN																							
Jask	0300	13	1014·9	...	1015·4	65·6	62·1	59·8	17·4	...	81	...	1·5	—0·9	6	0	12	4	0	0	5	1	1
	1200	...	1013·1	...	1013·5	75·1	68·6	64·2	20·9	...	70	...	1·2	...	0	0	1	1	4	12	11	0	0
ARABIA																							
Muscat	0300	20	1014·4	...	1014·9	68·2	62·6	57·7	16·9	...	72	...	1·5	—0·6	0	0	1	1	4	7	8	4	4
	1200	...	1012·5	...	1013·0	73·3	66·9	62·2	19·5	...	69	...	1·2	...	4	2	2	0	3	2	2	14	0
Kuwait ‡	0300	16	1017·1	...	1017·7	60·0	55·2	50·0	12·7	...	71	...	1·4	...	2	0	1	4	0	1	10	6	5
	1200	...	1014·5	...	1014·8	66·4	58·7	52·2	13·6	...	61	...	1·1	...	0	3	1	8	0	0	2	5	10

* Observations at 0000 hrs. G.M.T. not recorded during winter season. † Data rejected. ‡ Observations recorded at 0500 hrs. G. M. T. instead 0300 hrs. G. M. T.

TABLE III—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF FEBRUARY, 1952

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	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
EAST PAKISTAN (North)																					
Pabna	87·1	+4·1	97	21	59·5	+3·7	53	26	000	—0·96	0·00	...	0	—1·9	*	...	0	0	0	0	0
Rajshahi ...	...	...	...	...	...	...	...	...	000	—0·69	0·00	...	0	—1·7	...	...	0	0	0	0	0
Sirajganj... ...	79·2	...	84	4 days	58·1	...	53	13,25	003	—0·71	0·03	5	0	—1·7	1·9	...	1	0	0	0	0
Bogra	85·3	+5·0	94	20,21	58·2	+3·3	52	13,25	000	—0·79	0·00	...	0	—1·6	1·5	+0·4	1	0	0	0	0
Dinajpur ...	84·1	+4·8	92	20,21	55·1	+1·8	48	13	000	—0·61	0·00	...	0	—1·3	1·4	—0·3	0	0	0	0	0
Rangpur ...	...	...	...	...	...	...	...	...	026	—0·44	0·10	22, 23	2	+0·7	...	...	0	0	0	0	0
EAST PAKISTAN (East)																					
Cox's Bazar ...	84·8	+2·7	93	14	60·7	+1·2	55	25 ~~52~~	003	—0·44	0·03	24	0	—0·9	1·9	—0·1	0	0	0	0	0
Chittagong ...	86·7	+4·4	93	20,21,22	60·9	+2·2	56	2,25	023	—0·87	0·21	24	1	—0·3	2·4	—2·0	0	0	0	0	0
Noakhali ...	85·6	+4·5	92	20,21,22	60·3	—1·6	53	25	†	...	...	...	†	...	†	...	0	0	0	0	0
Comilla	81·1	—1·1	93	19	*	...	...	...	000	—1·22	0·00	...	0	—1·9	1·6	+0·1	0	0	0	0	0
Narayanganj ...	87·8	+6·1	96	20,21	62·4	+3·4	57	13,25	000	—1·24	0·00	...	0	—1·9	†	...	0	0	2	0	0
Brahmanbaria ...	86·9	+4·2	95	19,20,21	60·3	+4·8	54	25	000	—1·03	0·00	...	0	—1·9	2·0	...	0	0	0	0	0
Srimangal ...	85·4	+2·7	93	19,20,21	53·1	+1·2	46	9	001	—1·49	0·01	23	0	—2·7	0·8	—1·2	0	0	0	0	0
Mymensingh ...	84·6	+5·0	92	22, 29	52·3	—4·4	48	5	000	—0·86	0·00	...	0	—1·7	2·0	—1·0	0	0	0	0	0
EAST PAKISTAN (Deltaic)																					
Faridpur ...	80·1	0·0	92	21	58·1 ~~85·1~~	+1·9	52	25	000	—1·19	0·00	...	0	—2·1	†	...	0	0	2	0	0
Barisal	85·3	+3·4	93	18,19,22	63·1	+3·0	57	1	000	—0·94	0·00	...	0	—1·8	2·0	+0·6	0	0	7	0	0
Khulna	88·2	+5·2	97	19	62·0	+2·2	55	25	000	—0·93	0·00	...	0	—2·2	2·0	—0·1	0	0	4	0	0
Jessore	87·6	+5·8	98	21	*	...	...	...	000	—1·30	0·00	...	0	—2·0	2·0	+0·7	0	0	0	3	0
Satkhira ...	85·6	+1·1	94	19, 22	60·4	+2·1	53	1	000	—1·03	0·00	...	0	—1·8	1·4	+0·1	0	0	1	0	0
KASHMIR																					
Srinagar † ...																					
Gulmarg † ...																					
Dras †																					
Leh †																					
Skardu†																					
Gilgit†																					
Misgar	37·0	...	45	27	19·7	...	12	2·7	1·06	...	0·60	4	4	...	3·5	...	0	0	0	0	0
Jammu †... ...																					
Kargil †... ...																					
NORTH PUNJAB																					
Lahore	75·4	+3·3	84	29	49·2	+4·7	41	20	0·18	—0·79	0·14	4	1	—1·1	1·9	+0·4	3	0	0	0	0
Sialkot	73·5	+4·1	83	29	50·7	+5·2	46	18, 19	1·11	—0·56	0·58	4	4	+1·0	2·2	+1·0	2	0	0	0	0
Jhelum	73·3	...	82	27, 29	48·0	...	43	10, 19	1·07	...	0·40	16	2	...	2·5	...	3	0	0	0	0
Rawalpindi ...	67·8	+2·6	77	11, 28	45·1	+3·4	39	1	3·43	+0·95	1·75	4	7	+2·6	2·1	+0·3	1	0	0	0	0
Khushab ...	75·4	+4·1	83	27,28	49·0	+3·0	43	19	0·40	—0·52	0·16	4	3	+0·9	3·5	+0·8	1	0	0	0	0
Lyallpur... ...	73·9	+2·6	82	28	48·6	+3·5	40	19	0·17	—0·40	0·17	4	1	—0·6	1·8	+0·1	2	0	0	0	0
SOUTH PUNJAB																					
Montgomery ...	75·1	+2·6	84	27	49·3	+2·9	44	5 days	0·63	+0·13	0·30	13	3	+1·5	...	...	1	0	0	0	0
Multan	77·0	+4·2	83	26	51·2	+4·4	43	19	0·00	—0·38	0·00	...	0	—1·3	2·4	+1·1	0	0	0	0	0
Fort Abbas ...	79·0	...	87	28, 29	*	...	...	...	0·00	...	0·00	...	0	...	*	*	0	0	0	0	0
Bahawalpur ...	78·1	+2·5	87	25	50·4	+3·5	43	18, 19	0·00	—0·26	0·00	...	0	—0·8	2·3	+0·1	0	0	0	0	0
Khanpur ...	79·7	+2·2	88	27	50·8	+4·1	43	22	0·07	—0·22	0·07	4	0	—0·9	4·0	+0·3	0	0	0	0	0
N.-W. F. P. (Upper)																					
Chakdara ...	63·8	...	74	27	42·6	...	38	1,10	4·98	...	1·92	4	6	...	4·4	...	0	0	0	0	0
Peshawar ...	68·3	+2·1	78	27	45·7	+1·7	40	17, 21	2·07	+0·54	0·63	3	4	+0·7	2·4	+0·8	0	0	0	0	1
Landikotal ...	57·1	...	66	27	38·9	...	34	1, 2, 16	2·23	...	0·82	16	3	...	2·1	...	1	0	0	0	0
N.-W. F. P. (Lower).																					
Bannu	69·9	+1·3	79	27	48·6	+3·4	43	22	2·36	+1·18	0·62	15	5	+1·9	2·8	...	0	0	0	0	0
Miranshah ...	62·7	+1·6	70	26, 27	43·1	+1·6	37	19	2·41	+0·85	0·75	3	6	+1·9	*	*	0	0	0	0	0
D. I. Khan ...	72·4	+0·8	80	27	*	...	...	...	0·13	—0·54	0·05	16, 29	0	—1·7	1·7	+0·5	0	0	0	0	0

* Data rejected. † Data not available.

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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-storm
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
BALUCHISTAN (North)																					
Fort Sandeman ...	61·4	+2·1	72	24	40·0	+4·6	32	18, 19	1·67	+0·59	0·68	29	3	—0·3	1·2	—1·0	0	0	0	0	0
Hindubagh ...	57·7	...	67	24, 25	33·4	...	22	18	*	...	*	...	*	...	*	...	0	0	0	0	0
Loralai R ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Harnai	...	...	...	...	...	...	...	...	2·00	+0·67	0·78	2	4	+1·6	...	...	...	...	...	...	...
Sibi	79·2	+3·5	87	26	51·6	+1·9	41	19, 21	0·37	—0·50	0·26	3	2	+0·3	1·0	—1·4	0	0	0	0	0
Quetta	57·2	...	69	25	34·1	...	23	18	2·62	...	0·96	3	4	...	4·6	+2·0	0	0	9	0	0
Quetta (Samungli)	57·7	...	70	25	32·7	...	20	16	2·38	...	0·85	3	5	...	4·8	...	2	0	0	0	0
Chaman	62·4	+5·1	72	12,24, 27	42·5	+4·4	30	17, 18	0·72	—1·00	0·31	3	3	—1·4	5·0	+0·6	0	0	0	0	0
Nushki	72·7	...	79	27	47·7	...	32	16	0·00	...	0·00	...	0	...	9·5	...	0	0	0	0	0
Kalat	56·8	+4·0	66	27	30·1	—1·1	15	17	0·52	—0·87	0·15	2	4	+0·6	4·9	+0·5	0	0	1	0	0
Dalbandin ...	71·8	+4·3	82	24	43·5	+3·9	30	17, 18	0·01	—0·95	0·01	2	0	—2·2	3·8	+0·3	0	0	0	7	5
Nokkundi ...	74·1	+1·4	84	25	48·8	+1·8	36	16, 17	0·32	—0·08	0·22	3	2	+0·9	5·5	—0·2	1	0	0	0	0
BALUCHISTAN (South)																					
Las Bela R ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Ormara	77·6	+1·8	82	9,12,25	56·4	—3·8	51	18	0·51	—1·68	0·44	15	1	—2·3	6·5	+1·0	0	0	0	0	0
Pasni	79·0	+2·1	84	23	56·5	—0·1	48	18	0·00	—1·41	0·00	...	0	—2·0	6·3	+1·2	0	0	0	0	2
Turbat	84·5	...	92	28	55·2	...	46	18	0·31	...	0·31	2	1	...	4·4	...	0	0	0	4	0
Panjgur	70·7	+2·7	80	27	40·7	—1·8	29	17, 20	0·00	—0·96	0·00	...	0	—1·9	4·4	—0·3	0	0	0	0	2
SIND (Upper)																					
Reti	81·9	...	91	25	48·9	...	40	18	0·00	...	0·00	...	0	...	4·4	...	0	0	0	0	0
Jacobabad ...	81·2	+4·1	89	27	53·3	+2·8	43	17	0·19	—0·14	0·13	4	1	+0·1	4·4	+1·2	0	0	0	2	0
Sukkur	82·1	+3·4	92	27	52·8	+0·8	41	17	0·00	—0·28	0·00	...	0	—0·8	*	...	0	0	0	1	0
Pad Idan... ...	80·3	...	93	25	48·5	...	39	17, 19	0·00	...	0·00	...	0	...	1·1	...	0	0	0	0	0
SIND (Lower)																					
Umarkot ...	86·1	...	94	1, 25	54·7	...	45	21	0·36	...	0·36	3	1	...	3·3	...	0	0	0	0	0
Chhor	84·5	...	92	25, 26	52·1	...	43	22	0·18	...	0·18	3	1	...	3·3	...	0	0	1	0	0
Hyderabad ...	84·6	+3·4	94	3	55·9	+1·4	48	3	0·28	+0·04	0·28	3	1	+0·4	2·7	—0·8	0	0	0	2	0
Karachi (Airport)	82·3	...	89	25	57·3	...	50	17, 18	1·38	...	1·32	3	1	...	4·2	...	0	0	0	0	0
Karachi (Manora)...	79·0	+2·1	84	9	63·8	+2·8	57	3, 17	1·73	+1·29	0·93	3	2	+1·0	4·8	—1·1	0	0	1	7	0
Badin	87·0	+4·6	95	26, 28	53·1	—1·4	44	17	0·25	—0·13	0·25	3	1	+0·1	3·6	...	0	0	0	4	0
HILL STATIONS excluding Kashmir and Baluchistan.																					
Murree	48·2	+1·5	56	26, 28	35·6	+4·5	30	22	5·65	+1·34	1·96	4	9	+2·6	9·9	+4·6	4	3	7	1	0
Cherat	54·3	+2·4	67	28	42·8	+2·1	37	4	4·26	+1·05	1·70	4	6	+1·3	*	...	1	0	3	0	0
Drosh	50·4	+1·4	58	26	36·1	+2·5	31	4, 16	4·83	+3·28	1·50	16	10	+6·3	3·9	+1·4	0	0	0	0	0
Parachinar ...	52·8	+1·0	63	27	34·0	+2·7	26	16	4·52	+1·89	1·37	15	9	+3·6	2·7	+0·7	1	0	1	0	0
Wana ...	58·6	+0·5	66	26, 27	35·6	+3·1	29	4 days	2·10	+0·62	0·77	3	6	+2·4	2·0	...	2	0	1	0	0
AFGHANISTAN																					
Jalalabad ...	66·4	...	77	27	43·3	...	37	1, 16	2·65	...	1·34	16	3	...	2·2	...	0	0	0	0	0
Kabul	46·5	+4·3	57	27	30·2	+6·2	22	17	2·63	+1·14	0·87	14	5	+1·6	5·6	+2·5	0	0	0	0	0
Kandahar ...	66·2	...	76	12,13,24	34·9	...	26	16, 17	1·07	...	0·63	14	3	...	1·6	...	0	0	0	0	0
IRAN																					
Jask	76·1	+0·7	90	5	57·7	—4·1	49	16	0·00	—0·96	0·00	...	0	—1·8	9·0	+1·2	0	0	1	3	0
ARABIA																					
Muscat	74·7	—1·1	83	14	66·6	+0·0	63	4 days	0·00	—0·71	0·00	...	0	—1·4	3·6	—0·1	0	0	0	1	0
Kuwait §... ...	67·2	...	74	9	55·3	...	47	17	0·76	...	0·46	11	3	...	5·0	...	0	0	0	2	0

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

§ Observations recorded at 0500 hrs. instead 0300 hrs. G.M.T.

GPPK—H 29 Met. Service—20-5-58—200

~~MET 27~~

Regd. No. S. 1452

PAKISTAN WEATHER REVIEW, 1952

Monthly Weather Report

MARCH

Published by the authority of the Government of Pakistan

Chief features :—(1) Deficient rainfall over West Pakistan outside the Punjab where it was in excess.

(2) Frequent thundershower activity over East Pakistan during the second fortnight.

WEST PAKISTAN—Out of the five western disturbances which affected the weather over West Pakistan during the first fortnight, the first, third and the fifth moved eastwards across the extreme northern regions and caused thunderstorms/showers mainly over the hills of the north Punjab on the 3rd and 10th and over the North-West Frontier Province hills on the 3rd, 9th, 10th, and 13th. The second western disturbance which approached Baluchistan on the 4th with its primary over the North-West Frontier Province, moved away eastnortheastwards by the 8th after causing scattered rainfall in Baluchistan on the 4th and 5th and thunderstorms/showers in the north Punjab and the upper North-West Frontier Province hills from the 4th to 8th. The fourth disturbance appearing over Oman on the 10th moved away eastwards across the north Arabian Sea and lower Sind into the Indian region by the 11th evening and caused scattered rain/drizzle in south Baluchistan on the 11th and over coastal Sind on the 12th.

The sixth and the most active western disturbance of the month bordered Baluchistan on the 13th and moved away slowly north-eastwards across the Punjab and Kashmir by the 17th. It was responsible for a well marked spell of wet weather and thunderstorm activity over West Pakistan outside Sind during the period 14th to 17th.

It was followed by three more western disturbances which moved across West Pakistan thereafter and caused light to moderate thunderstorm/shower activity in Baluchistan, the north Punjab and the North-West Frontier Province between the 21st and the 29th.

Some of the noteworthy amounts of rainfall recorded during the month were :—Parachinar 1-1/2″ and Kalat 1/2″ on the 4th ; Parachinar 3/4″ and Chakdara 1/2″ on the 5th ; Lyallpur, Murree 1″ each, Sialkot, Jhelum, Rawalpindi, Drosh, Landi Kotal 1/2″ each on the 7th ; Murree, Drosh and Cherat 1/2″ each on the 10th ; Drosh 3/4″ and Parachinar 1/2″ on the 13th ; Drosh 2″, Chakdara 1-1/2″, Parachinar 1″ on the 14th ; Bahawalpur 3/4″, Lahore, Murree, Parachinar and Harnai 1/2″ each on the 15th ; Murree 1″, Lahore, Jhelum, Rawalpindi, Peshawar 1/2″ each on the 16th ; Lahore 1/2″ on the 17th ; Parachinar 1/2″ on the 21st ; Drosh 1-1/2″, Chakdara 1″, Cherat and Bannu 1/2″ each on the 22nd ; Chakdara 3/4″ on the 23rd ; Parachinar and Fort Sandeman 1/2″ each on the 27th ; Rawalpindi and Murree 1/2″ each on the 28th.

The mean actual rainfall was in moderate excess over the north Punjab, in slight excess over the south Punjab, in moderate defect over the upper North-West Frontier Province and north Baluchistan and in large defect over the lower North-West Frontier Province and south Baluchistan. No rain fell over Sind. The mean maximum temperature was in excess over north Baluchistan, normal over Sind, south Baluchistan and the south Punjab, and in defect over the north Punjab and the upper North-West Frontier Province. The mean minimum temperature was in excess over the south Punjab and normal elsewhere over the region. The mean relative humidity was in excess over the North-West Frontier Province, the north Punjab and lower Sind, normal over the south Punjab and in defect over Baluchistan and upper Sind. Skies were clouded more than usual over south Baluchistan and upper Sind, as usual over the Punjab, the North-West Frontier Province and north Baluchistan and less clouded than usual over lower Sind.

EAST PAKISTAN—Two secondary western disturbances moved across East Pakistan and the adjoining regions during the second fortnight and caused moderate thunder-rain activity over there on the 17th and 18th, 25th and 26th. They were preceded and followed by low pressure waves which were responsible for frequent light spells of wet weather over there.

A 40-miles per hour gale followed by heavy showers ~~below~~ blew down a number of bamboo houses and poles at Dacca in the early morning of the 9th. Some damage was also done to telephone and electric wires.

Some of the noteworthy amounts of rainfall recorded during the month were :—Narayanganj, Srimangal, Sirajganj 1″ each on the 17th ; Chittagong 2″ on the 18th ; Cox's Bazar 1″ on the 19th ; Comilla 1″ on the 26th ; Srimangal 1″ on the 30th ; Faridpur 2″ on the 31st.

The mean actual rainfall was in large excess over the Northern sub-division, in slight defect over the Eastern sub-division, and in moderate defect over the Deltaic sub-division. The mean maximum temperature was normal over the Eastern sub-division and in defect elsewhere over the region. The mean minimum temperature was normal over the region. The mean relative humidity was also normal over the region. Skies were more clouded than usual over the Northern sub-division and as usual elsewhere over the region.

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

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TABLE I.—DIVISIONAL AND SUB-DIVISIONAL MEANS MARCH 1952

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
	"	"	"		°F	°F	Mbs.	%	
East Pakistan	1·86	1·87	—0·01	—1	—1·5	—0·8	—1·1	—2	+0·2
Mean of East Pakistan	1·86	1·87	—0·01	—1	—1·5	—0·8	—1·1	—2	+0·2
Punjab	1·14	0·89	+0·25	+28	—0·9	+0·9	+0·9	+7	+0·3
N.-W. F. P.	0·97	1·66	—0·69	—42	—2·8	—0·1	+0·5	+8	+0·1
Baluchistan	0·35	0·75	—0·40	—53	+2·3	+1·7	—0·7	—8	0·0
Sind	0·00	0·22	—0·22	—100	+1·7	+0·5	+0·1	0	+0·1
Mean of West Pakistan excluding Baluchistan	0·72	0·79	—0·07	—9	—0·3	+0·6	+0·6	+5	+0·2
SUB-DIVISION									
East Pakistan (North)	1·91	1·08	+0·83	+77	—2·7	+0·3	+1·0	+3	+1·0
East Pakistan (East)	2·22	2·52	—0·30	—12	—0·6	—1·2	—2·0	—5	—0·1
East Pakistan (Deltaic)	1·32	1·91	—0·59	—31	—2·1	—0·9	—0·9	0	+0·3
Kashmir*									
North Punjab	1·62	1·27	+0·35	+28	—2·1	—0·1	+1·6	+11	+0·3
South Punjab	0·49	0·40	+0·09	+23	+0·6	+2·4	+0·1	+2	+0·3
N.-W. F. P. (Upper)	1·75	2·44	—0·69	—28	—3·4	—1·5	+1·4	+9	+0·5
N.-W. F. P. (Lower)	0·57	1·27	—0·70	—55	—2·5	+1·2	+0·1	+7	—0·1
Baluchistan (North)	0·47	0·88	—0·41	—47	+2·7	+1·7	—0·5	—7	—0·1
Baluchistan (South)	0·08	0·45	—0·37	—82	+1·3	+1·8	—1·4	—11	+0·4
Sind (Upper)	0·00	0·23	—0·23	—100	+1·5	—0·1	—3·0	—14	+0·9
Sind (Lower)	0·00	0·21	—0·21	—100	+1·8	+0·8	+2·1	+9	—0·4

*Data incomplete.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF MARCH, 1952.

Sub-Division and Station	Hours of Observation	Height of barometer cistern above mean sea level	Mean Pressure: Stn. level reduced to standard temperature and gravity	Mean Pressure: Departure from normal	Mean Pressure: Reduced to stand temp. and m.s.l. or nearest Gpkm level.	Mean temperature of the air and humidity: Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Total Cloud amount: Mean amount	Departure from normal	Wind direction, Number of Observations from :— N	NE	E	SE	S	SW	W	NW	Calm
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	G.M.T.	Ft.	Mbs.	Mbs.	Mbs.	°F.	°F.	°F.	Mbs.	Mbs.	%	%	Oktas.										
EAST PAKISTAN (NORTH)—																							
Pabna	0300	...	...	...	...	76·6	68·8	...	21·2	+0·4	67	+1	...	...	...	...	...	...	...	...	...	...	...
Sirajganj	0000	49	1008·0	...	1009·8	64·6	62·9	61·5	19·3	...	92	...	4·1	...	1	2	4	5	8	2	0	2	7
	0300	...	1010·1	...	1011·8	75·0	68·0	63·7	20·2	...	68	...	3·8	...	2	0	5	8	6	1	2	2	5
	1200	...	1006·0	...	1007·7	81·0	69·9	62·6	20·1	...	55	...	2·1	...	1	0	1	3	8	1	1	3	13
Bogra *	0000	65	1007·1	...	1009·6	65·3	62·0	59·7	17·1	...	81	...	3·4	...	0	0	0	1	0	0	0	0	30
	0300	63	1009·4	—0·2	1011·7	72·8	66·3	61·9	19·8	+1·7	69	+6	3·4	+1·4	2	5	12	4	2	4	1	0	1
	1200	...	1005·2	...	1007·3	83·2	68·2	57·5	16·6	...	43	...	2·9	...	4	2	7	2	0	3	6	3	4
Dinajpur	0000	123	1006·7	...	1011·1	62·4	59·9	58·0	16·2	...	85	...	2·3	...	3	5	3	0	1	0	1	0	18
	0300	...	1008·4	+1·1	1012·7	72·4	64·6	59·1	16·8	+0·9	62	+3	2·3	+0·6	2	9	5	1	1	1	1	0	11
	1200	...	1004·9	...	1009·1	80·2	66·8	57·6	16·7	...	46	...	1·9	...	1	2	2	0	1	0	2	1	22
EAST PAKISTAN (EAST)—																							
Cox's Bazar	0000	38	1009·5	...	1010·9	66·9	64·8	63·4	20·2	...	89	...	1·9	...	0	1	1	0	1	0	0	0	28
	0300	...	1011·4	0	1012·8	79·4	70·3	64·9	21·0	—3·7	62	—12	1·1	—1·1	0	0	0	4	4	0	0	1	22
	1200	...	1008·3	...	1009·7	79·2	71·4	67·1	22·3	...	66	...	1·7	...	1	0	0	0	4	0	0	0	26
Chittagong	0300	87	1009·2	—0·8	1012·2	78·6	69·5	63·3	21·0	—2·5	62	—11	2·1	—0·4	3	12	8	6	1	0	0	0	1
	1200	...	1005·5	...	1008·5	80·5	71·8	66·4	23·4	...	65	...	3·1	...	1	0	1	0	4	15	6	4	[illegible]
Noakhali (Maijdee)	0000	25	×	...	×	68·2	65·2	63·0	19·7	...	84	...	1·9	...	×	×	×	×	×	×	×	×	[illegible]
	0300	...	×	...	×	75·5	69·7	66·1	21·5	—4·3	72	—4	2·4	—0·2	×	×	×	×	×	×	×	×	[illegible]
	1200	...	×	...	×	80·6	71·0	64·9	22·1	...	61	...	3·1	...	×	×	×	×	×	×	×	×	[illegible]
Comilla	0000	29	1009·3	...	1010·3	65·4	64·3	63·6	19·9	...	94	...	3·2	...	2	5	3	3	1	0	0	1	16
	0300	...	1010·9	—0·5	1011·9	73·4	66·3	61·5	18·7	—6·0	67	—5	2·5	—0·4	5	3	3	5	8	1	0	2	[illegible]
	1200	...	1007·5	...	1008·5	83·4	71·2	63·3	20·5	...	53	...	3·3	...	5	1	1	0	12	4	2	2	4
Narayanganj	0000	26	1009·0	...	1009·8	68·2	65·0	63·1	19·7	...	84	...	3·0	...	1	0	3	1	4	1	1	1	19
	0300	...	1010·5	—1·0	1011·4	78·3	69·3	63·7	20·1	—2·3	61	—10	3·1	—0·2	1	1	2	4	3	4	1	1	14
	1200	...	1006·3	...	1007·2	82·7	69·2	60·4	18·5	...	48	...	2·9	...	0	0	0	4	4	2	1	2	18
Brahmanbaria	0000	32	1009·8	...	1010·9	66·0	63·9	62·5	19·5	...	89	...	2·5	...	0	0	4	2	0	0	1	0	24
	0300	...	1011·1	...	1012·2	76·6	69·0	64·3	21·2	+0·1	67	0	2·9	...	3	3	5	1	3	4	1	0	10
	1200	...	1007·9	...	1009·0	81·1	69·8	62·9	20·1	...	64	...	2·7	...	4	1	1	4	2	0	0	0	19
Srimangal	0000	69	1008·1	...	1010·6	60·8	59·8	58·5	17·2	...	94	...	3·0	...	0	1	0	1	0	0	0	0	29
	0300	...	1009·7	—0·6	1012·1	72·7	67·2	63·9	20·5	—0·3	74	0	3·5	+1·1	1	2	5	0	5	2	0	0	18
	1200	...	1005·8	...	1008·2	78·7	70·3	65·6	21·6	...	64	...	3·5	...	0	0	1	3	3	1	2	1	29
Mymensingh	0000	62	1009·3	...	1011·6	64·5	62·6	58·3	18·8	...	89	...	3·3	...	0	0	7	0	0	0	0	0	24
	0300	...	1010·5	+0·1	1012·6	72·5	67·0	64·4	20·5	+0·5	74	+3	3·9	+0·5	0	0	20	0	1	0	0	0	19
	1200	...	1006·3	...	1008·3	80·5	70·8	64·8	22·1	...	61	...	2·9	...	0	0	13	1	0	0	1	0	16
EAST PAKISTAN (DELTAIC)																							
Faridpur ...	0000	46	1008·3	...	1009·9	64·6	63·1	61·5	19·3	...	92	...	3·4	...	2	1	0	2	1	0	0	0	25
	0300	...	1009·6	—0·7	1011·3	75·4	68·4	63·1	20·2	—1·8	68	+2	3·1	+0·9	3	0	0	3	12	4	1	0	8
	1200	...	1006·2	...	1007·8	83·4	69·5	59·7	17·9	...	46	...	3·0	...	6	1	1	3	6	2	0	5	7
Barisal	0000	11	1009·3	...	1009·7	68·1	66·6	65·4	21·5	...	92	...	3·0	...	1	2	1	0	3	2	0	0	22
	0300	...	1011·4	—0·5	1011·8	77·9	71·0	67·1	22·7	—2·4	69	—7	2·7	—0·1	4	3	2	0	8	4	0	1	[illegible]
	1200	...	1007·7	...	1008·1	83·0	70·5	62·8	19·8	...	51	...	3·5	...	3	0	2	3	7	7	0	0	[illegible]
Khulna	0000	16	1009·1	...	1009·7	68·0	66·4	65·6	21·5	...	92	...	2·0	...	0	2	2	3	0	1	0	0	23
	0300	...	1011·6	—0·2	1012·1	77·1	70·6	66·6	22·5	—0·2	71	+5	2·5	—0·4	3	2	1	3	1	11	2	0	8
	1200	...	1008·0	...	1008·6	83·1	70·6	62·5	19·8	...	51	...	1·6	...	0	0	0	4	9	5	0	2	11
Jassore	0000	26	1009·1	...	1009·9	65·5	63·5	62·5	18·8	...	89	...	2·3	...	0	3	1	1	7	0	0	0	19
	0300	...	1010·5	—0·8	1011·4	78·3	70·2	65·2	21·4	—0·8	65	—4	2·2	—0·3	3	1	2	3	11	0	0	1	19
	1200	...	1007·2	...	1008·3	81·5	66·1	61·4	14·5	...	40	...	1·8	...	0	0	0	1	7	0	0	0	23
Satkhira	0000	16	1009·4	...	1010·0	67·8	65·9	64·5	20·9	...	89	...	3·0	...	0	0	0	3	0	3	0	1	24
	0300	...	1010·9	—0·5	1011·5	77·8	71·1	66·7	23·4	+0·5	71	+3	3·4	+1·5	1	3	0	11	4	7	1	2	[illegible]
	1200	...	1008·4	...	1008·9	84·6	70·9	62·0	20·2	...	49	...	3·6	...	0	1	0	8	2	8	0	1	[illegible]

× Data not available.

* Observations at 0600 hrs. have been recorded from a distant Site by P. B. O. Staff.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF MARCH, 1952—*contd.*

Sub-Division and Station	Hours of Observation	Height of bar. cistern above mean sea level	Mean Pressure: Station level reduced to standard temp. and gravity	Mean Pressure: Departure from normal	Mean Pressure: Reduced to standard temp. & M.S.L. or nearest Gpkm level	Mean temperature of the air and humidity: Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Total cloud amount: Mean amount	Departure from normal	Wind direction Number of observations from:— N	NE	E	SE	S	SW	W	NW	Calm
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	G.M.T.	Ft.	Mbs.	Mbs.	Mbs.	°F	°F	°F	Mbs.	Mbs.	%	%	Oktas										
KASHMIR—																							
Srinagar*	0000	5205	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	0300	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	1200	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Gulmarg*	0000	8709	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	0300	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	1200	...	...																				
Dras*	0000	10059	...																				
	0300	...	...		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	1200																						
Leh*	0000	11529	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	0300	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	1200	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Skardu*	0000	7505	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	0300				...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	1200																						
Gilgit*	0000	4890	...																				
	0300	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	1200	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Misgar	0000	10,190	698·7	...	699·6	26·1	23·1	17·8	3·2	...	69	...	3·8	...	0	0	2	0	0	0	6	0	23
	0300	...	699·7	...	699·9	24·7	22·3	18·5	3·3	...	75	...	4·5	...	0	0	5	0	0	0	2	0	24
	1200	...	693·8	...	697·5	39·1	29·1	14·1	2·5	...	29	...	5·3	...	0	0	24	0	0	0	4	0	3
NORTH PUNJAB—																							
Lahore	0000	702	985·4	...	1010·6	56·9	54·1	51·5	13·0	...	82	...	2·3	...	4	2	1	2	0	0	1	1	20
	0300	...	986·5	—1·0	1011·4	62·3	56·9	51·6	13·4	+1·9	71	+12	3·5	+0·8	4	6	4	4	0	0	2	1	10
	1200	...	984·5	...	1008·7	77·1	62·5	50·6	12·7	...	40	...	4·6	...	4	2	3	2	0	1	4	7	8
Sialkot	0000	830	980·9	...	1010·4	58·9	54·5	50·9	12·5	...	73	...	4·2	...	1	14	3	0	1	1	2	2	7
	0300	...	981·4	—1·7	1010·9	57·6	55·5	50·7	14·1	+1·6	87	+20	4·0	+1·8	4	12	2	0	1	0	4	4	4
	1200	...	979·9	...	1008·5	75·4	62·0	52·3	13·0	...	43	...	5·0	...	1	3	2	0	4	5	7	5	4
Jhelum...	0000	765	983·4	...	1011·1	56·0	53·1	50·3	12·5	...	81	...	3·6	...	0	2	2	2	1	0	1	8	15
	0300	...	984·8	...	1012·3	59·8	54·8	50·3	12·4	—	71	—	4·7	...	1	0	1	1	2	2	2	9	13
	1200	...	982·7	...	1009·1	76·0	60·1	45·5	10·6	...	34	—	5·3	...	2	2	3	1	2	2	2	11	6
Rawalpindi	0000	1,676	953·2	...	895·4	51·1	49·2	47·2	11·1	...	86	...	*	...	0	2	2	0	0	1	0	0	26
	0300	...	954·1	—0·7	896·9	56·2	52·2	48·5	11·7	+1·0	76	+17	3·3	+0·3	3	0	0	0	1	2	2	0	23
	1200	...	952·4	...	896·6	68·5	57·2	47·8	11·5	...	49	...	4·4	...	0	2	0	0	0	3	9	2	15
Khushab	0000	616	988·6	...	1010·6	57·2	52·1	50·0	11·0	...	69	...	2·1	...	4	11	8	2	0	0	2	2	2
	0300	...	990·1	—1·1	1012·1	60·8	55·5	50·7	12·7	+2·0	51	—5	2·9	+0·1	3	8	7	1	1	2	1	0	8
	1200	...	987·6	...	1008·9	77·5	61·5	48·4	11·5	...	49	...	4·1	...	6	7	5	1	2	4	3	2	1
Lyallpur	0000	605	988·4	...	1010·2	56·8	54·1	51·4	13·1	...	84	...	2·1	...	4	7	4	2	0	1	1	2	10
	0300	...	989·6	—1·3	1011·3	58·5	55·1	52·2	13·3	+1·6	81	+18	3·2	+0·1	2	5	3	5	1	0	2	2	11
	1200	...	987·7	...	1008·6	76·7	63·2	52·7	13·7	...	44	...	3·6	...	9	6	1	2	3	2	1	3	4
SOUTH PUNJAB—																							
Montgomery	0000	558	989·8	...	1009·8	58·7	54·4	50·5	12·5	...	75	...	2·1	...	0	0	0	0	0	11	2	7	11
	0300	...	991·0	—1·5	1010·8	62·3	55·9	50·3	12·4	—0·2	66	—1	2·9	+0·8	0	0	0	0	1	7	1	7	15
	1200	...	988·9	...	1008·1	79·5	63·8	51·4	13·1	...	39	...	2·9	...	2	0	0	2	1	2	0	3	21
Multan	0300	413	996·4	—1·5	1011·2	61·4	56·2	51·1	13·1	—0·2	70	+8	3·2	+1·0	12	2	0	0	6	0	0	5	6
	1200	...	993·7	...	1007·9	81·4	64·6	49·4	13·2	...	36	...	4·1	...	5	5	3	6	7	1	1	2	1

* Data not available.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF MARCH, 1952.—*contd.*

Sub-Division and Station	Hours of Observation	Height of bar. cistern above mean sea level	Mean Pressure: Stn. level reduced to standard temp. and gravity	Mean Pressure: Departure from normal	Mean Pressure: Reduced to standard temp. & m.s.l. or nearest Gpkm level	Mean temperature of the air 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.	Mbs.	Mbs.	Mbs.	°F	°F	°F	Mbs.	Mbs.	%	%	Oktas										
SOUTH PUNJAB—*contd.*																							
Fort Abbas	0000	475	996·6	...	1013·8	57·4	51·1	44·8	9·9	...	60	...	0·7	...	1	2	8	3	1	1	0	4	11
	0300	...	996·8	...	1013·6	64·4	54·7	43·6	10·3	...	50	...	0·7	...	0	2	9	8	1	1	1	3	6
	1200	...	991·1	...	1007·3	84·3	*	*	*	...	*	...	1·8	...	3	9	1	2	0	12	0	3	1
Bahawalpur	0300	384	996·9	—2·0	1010·7	60·9	54·5	47·9	11·7	—0·5	63	+2	1·8	—0·1	3	0	5	1	1	1	0	1	19
	1200	...	994·3	...	1007·5	84·4	64·3	47·8	11·6	...	28	...	2·4	...	2	6	1	1	2	5	0	1	13
Khanpur	0300	297	1000·3	—1·8	1010·9	62·9	55·3	47·0	11·6	+0·9	59	+4	2·4	+0·3	8	10	4	2	2	1	1	2	1
	1200	...	998·9	...	1008·7	87·3	65·2	46·2	11·3	...	27	...	0·6	...	6	7	1	0	3	8	3	3	0
N.-W. F. P. (UPPER)																							
Chakdara	0000	2197	933·8	...	897·0	50·6	47·7	44·6	10·1	...	80	...	2·5	...	1	3	5	3	0	0	1	1	17
	0300	...	934·9	...	898·1	52·1	48·8	46·2	10·4	...	77	...	4·5	...	4	7	4	2	3	1	1	1	8
	1200	...	933·2	...	897·4	64·6	55·8	48·8	11·7	...	55	...	5·8	...	3	4	2	2	4	5	6	1	4
Peshawar	0000	1,175	970·1	...	(b) 1012·2	53·3	50·2	46·7	11·1	...	80	...	3·8	...	0	0	0	3	7	6	3	1	(b) 9
	0300	...	971·7	—1·3	1013·5	56·7	53·0	48·8	12·3	+1·4	78	+9	4·7	+0·5	1	2	0	1	9	4	2	0	12
	1200	...	969·9	...	1010·8	68·6	57·0	45·3	11·2	...	45	...	5·9	...	6	4	2	7	3	2	0	3	4
Landikotal	0000	3,503	891·7	...	898·9	46·5	43·8	40·8	8·6	...	82	...	4·4	...	0	0	0	0	0	0	0	2	29
	0300	...	892·6	...	899·8	51·6	46·7	41·0	8·9	...	68	...	4·3	...	0	2	0	1	0	0	0	4	24
	1200	...	891·5	...	898·6	59·8	51·7	44·6	9·8	...	57	...	5·5	...	0	10	0	2	0	1	0	10	8
N.-W. F. P. (LOWER)																							
Bannu	0000	1,264	966·7	...	1011·6	55·8	51·7	45·1	10·8	...	75	...	2·0	...	5	3	0	1	0	1	4	3	14
	0300	...	967·8	...	1012·7	58·5	52·4	45·5	10·7	+0·9	65	+10	1·9	—0·5	0	0	0	1	0	3	5	8	14
	1200	...	965·3	...	1008·8	72·7	57·0	41·1	8·9	...	32	...	3·4	...	3	6	3	7	4	2	1	2	3
Miranshah	0000	3,026	903·0	...	899·5	52·3	47·6	42·3	9·4	...	71	...	2·0	...	1	3	7	8	2	5	1	1	3
	0300	...	907·7	...	899·2	51·8	48·3	45·3	10·1	+2·7	77	+18	3·0	+0·5	1	9	0	2	0	2	1	6	10
	1200	...	906·8	...	898·5	66·5	56·9	50·1	12·0	...	55	...	5·2	...	2	7	9	9	0	1	0	2	1
D. I. Khan	0000	570	990·3	...	1010·8	58·1	53·1	48·2	11·6	...	70	...	2·1	...	3	4	2	1	0	0	3	1	17
	0300	...	991·8	—1·0	1012·3	58·5	53·1	47·7	11·3	—0·8	68	+5	3·0	+0·4	4	6	1	0	0	2	4	2	12
	1200	...	988·9	...	1008·5	78·6	62·9	50·4	12·5	...	39	...	2·7	...	2	6	3	4	2	2	0	1	11
BALUCHISTAN (NORTH)																							
Fort Sandeman	0300	4,614	858·7	—0·9	901·1	51·2	42·7	29·9	5·9	—0·6	46	—21	3·6	+1·3	×	×	×	×	×	×	×	×	×
	1200	...	856·0	...	896·7	62·8	48·7	20·5	6·2	...	32	...	5·6	...	×	×	×	×	×	×	×	×	×
Hindubagh	0000	5,909	817·8	...	798·2	45·4	39·4	28·1	5·9	...	59	...	2·0	...	0	0	3	0	0	4	10	1	13
	0300	...	819·2	...	799·5	48·6	41·5	32·6	6·6	...	56	...	2·7	...	0	0	2	0	0	10	8	2	9
	1200	...	817·3	...	798·2	62·0	47·7	32·7	6·0	...	32	...	3·3	...	0	0	8	1	3	9	9	0	1
Loralai	0000	4,699	853·7	...	899·3	45·9	40·6	33·1	6·6	...	68	...	1·6	...	0	0	0	0	1	11	8	0	11
	0300	...	854·3	...	899·7	48·1	42·1	33·7	6·7	...	58	...	1·7	...	0	0	0	4	0	10	4	0	13
	1200	...	853·0	...	896·8	66·8	52·8	37·4	8·1	...	36	...	3·7	...	0	2	0	7	2	12	2	2	4
Sibi	0000	441	993·1	...	1008·5	64·9	51·9	35·2	7·4	...	35	...	1·0	...	0	0	0	0	0	1	0	5	25
	0300	...	994·4	—1·0	1010·1	64·9	51·9	36·0	7·4	—0·8	35	—4	1·5	—0·3	1	4	2	3	0	0	1	5	15
	1200	...	991·5	...	1006·3	87·2	62·1	36·9	7·7	...	18	...	2·8	...	1	1	1	4	3	9	4	4	4
	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Quetta	0300	5,490	831·0	—2·7	798·8	48·8	44·2	38·3	8·4	+1·9	71	+4	3·0	+0·3	2	2	0	3	5	2	1	1	15
	1200	...	829·0	...	797·8	63·9	51·6	39·7	8·5	...	41	...	4·6	...	3	1	1	1	4	6	4	9	2
Quetta (Samungli) ...	0000	5,253	840·1	...	800·0	42·2	37·3	31·0	5·7	...	63	...	2·0	...	0	3	5	9	0	3	1	0	10
	0300	...	841·1	...	800·9	43·5	39·0	32·8	6·4	...	67	...	(a) 3·0	...	0	1	2	14	1	0	1	1	11
	1200	...	838·6	...	800·3	65·2	51·4	38·6	7·8	...	37	...	4·5	...	1	0	0	3	1	9	8	8	1

(R) Register not received. * Data rejected. (b) Mean and frequencies for 29 days. × Data not available. (a) Mean of 30 days.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF MARCH, 1952—*contd.*

Sub-Division and Station	Hours of Observation	Height of bar. cistern above mean sea level	Mean pressure: Stn. level reduced to standard temp. and gravity	Mean pressure: Departure from normal	Mean pressure: Reduced to standard temp. & M.S.L. or nearest Gpkm level	Mean temperature of the air 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.	Mbs.	Mbs.	Mbs.	°F	°F	°F	Mbs.	Mbs.	%	%	Oktas										
BALUCHISTAN (NORTH)—*contd.*																							
Chaman	0000	4,311	864·6	...	897·4	52·9	43·4	29·9	5·8	...	42	...	2·3	...	1	0	13	8	7	1	1	0	0
	0300	...	865·8	—3·6	898·6	55·0	44·9	31·3	6·2	—0·5	42	—12	2·3	—0·7	1	1	4	13	6	4	1	1	0
	1200	...	864·1	...	895·9	68·2	51·7	33·8	6·4	...	27	...	3·6	...	0	0	1	1	2	7	15	5	0
Nushki	0000	3,416	*	...	*	58·2	49·1	39·4	8·3	...	50	...	0·4	...	0	9	1	0	0	(b) 0	0	19	0
	0300	...	900·0	...	904·3	60·1	50·1	39·1	8·3	...	47	...	0·3	...	0	9	6	4	4	(a) 0	0	7	0
	1200	...	897·4	...	901·2	75·5	56·0	35·8	7·5	...	24	...	1·0	...	0	0	1	2	2	8	5	13	0
Kalat	0000	6,616	798·3	...	800·9	49·4	34·5	27·5	5·0	...	61	...	2·1	...	0	0	0	1	14	0	1	0	15
	0300	...	799·5	—0·2	802·1	42·5	36·7	27·6	5·2	—0·7	56	—3	1·8	—0·4	0	0	0	3	17	0	0	0	11
	1200	...	797·8	...	800·4	60·4	45·2	26·6	5·1	...	28	...	3·4	...	3	0	0	0	10	3	7	7	1
Dalbandin	0000	2,785	915·4	...	898·9	53·8	45·4	33·8	7·0	...	49	...	1·5	...	1	2	3	2	0	1	2	3	17
	0300	...	916·7	—1·5	900·1	54·6	45·5	33·7	6·8	—1·2	47	—6	1·9	—0·4	1	2	2	1	0	0	2	1	22
	1200	...	914·1	...	898·3	79·5	58·0	36·5	7·8	...	23	...	1·3	...	1	0	3	5	2	7	6	6	1
Nokkundi	0000	2,229	933·0	...	896·3	59·8	49·0	34·8	7·2	...	42	...	0·0	...	10	12	1	0	1	0	0	6	1
	0300	...	934·4	+0·3	899·3	60·4	49·3	36·4	7·1	—1·3	42	—4	1·8	—0·5	9	10	1	0	2	1	1	6	1
	1200	...	931·4	...	895·0	82·8	60·7	41·6	8·1	...	23	...	3·2	...	4	1	2	7	4	4	2	4	3
BALUCHISTAN (SOUTH)—																							
Lasbela (R)	0000	292	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	0300	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	1200	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Ormara	0000	15	1009·0	...	1009·4	69·7	65·5	62·5	19·7	...	79	...	0·3	...	0	0	0	0	0	0	14	0	17
	0300	...	1010·7	...	1011·2	71·2	64·3	59·0	17·2	—2·3	66	—17	0·3	—1·9	1	0	2	0	0	0	12	2	14
	1200	...	1007·9	...	1008·4	81·5	68·4	59·5	17·9	...	48	...	0·3	...	0	0	0	1	3	6	21	0	0
Pasni	0000	10	1010·4	...	1010·7	64·6	61·8	59·5	17·6	...	84	...	3·1	...	1	0	0	0	0	2	18	6	4
	0300	...	1011·3	—1·3	1011·6	67·3	63·4	60·2	17·9	+0·4	79	0	2·7	+1·3	2	0	0	0	0	1	10	10	8
	1200	...	1008·8	...	1009·1	80·8	71·3	65·6	22·1	...	59	...	2·4	...	1	0	0	1	1	24	3	1	0
Turbat	0000	510	*	...	*	60·5	47·7	30·5	5·7	...	29	...	2·4	...	1	16	3	4	0	1	0	5	1
	0300	...	996·2	...	1014·0	69·8	56·0	40·7	9·4	...	36	...	2·7	...	2	4	6	7	2	0	2	0	8
	1200	...	991·6	...	1008·7	92·1	69·3	54·0	13·8	...	27	...	1·7	...	3	0	0	0	1	7	10	9	1
Panjgur	0000	3,177	903·5	...	897·8	54·9	46·5	33·0	8·2	...	55	...	2·9	...	6	4	2	0	0	11	2	6	0
	0300	...	904·0	—1·1	898·2	53·6	44·8	31·4	6·4	—2·3	46	—17	3·2	+1·7	7	9	6	0	1	3	1	4	0
	1200	...	901·8	...	896·3	77·7	58·9	32·3	9·1	...	28	...	3·5	...	2	1	0	0	3	16	2	7	0
SIND (UPPER)—																							
Reti	0000	280	999·1	...	1009·1	62·4	53·3	43·5	9·8	...	51	...	0·3	...	8	9	4	1	2	0	3	4	0
	0300	...	1000·8	...	1010·8	64·5	54·8	44·8	10·3	...	49	...	1·3	...	11	11	3	0	2	0	2	1	1
	1200	...	998·0	...	1007·4	89·9	65·4	44·6	10·4	...	21	...	1·4	...	4	5	3	2	4	5	7	0	1
Jacobabad	0000	183	1001·9	...	1008·5	64·3	51·3	33·6	7·1	...	34	...	1·7	...	4	4	7	8	3	0	2	3	0
	0300	...	1004·0	—1·4	1010·5	65·4	52·0	34·7	7·2	—5·3	33	—22	2·3	+0·5	4	2	9	5	2	1	3	4	1
	1200	...	1000·7	...	1007·1	88·8	61·1	27·4	6·0	...	14	...	2·5	...	1	1	3	10	6	5	2	2	1
Sukkur	0300	221	1002·3	—1·9	1010·2	64·0	55·5	47·3	11·2	—0·7	47	—6	2·7	+1·4	2	1	7	16	2	1	(a) 1	0	0
	1200	...	999·3	...	1006·8	88·2	65·2	46·1	10·7	...	23	...	2·6	...	3	2	3	9	7	5	0	2	0
Pad Idan	0000	153	1002·8	...	1008·2	62·0	54·5	46·6	11·1	...	59	...	1·4	...	3	0	0	3	2	0	0	1	22
	0300	...	1004·7	...	1010·2	63·7	55·4	47·5	11·3	...	55	...	2·5	...	5	1	0	0	3	0	1	4	17
	1200	...	1001·8	...	1007·0	90·0	65·1	42·2	9·8	...	20	...	2·5	...	3	1	0	2	2	3	1	2	17
SIND (LOWER)—																							
Umarkot	0000	55	1006·6	...	1008·5	64·3	61·8	59·3	18·4	...	86	...	0·0	...	0	0	2	0	13	10	0	0	6
	0300	...	1008·9	...	1009·6	69·4	66·1	63·6	20·4	...	82	...	0·0	...	1	0	1	1	9	12	0	1	6
	1200	...	1005·1	...	1007·1	93·8	81·0	75·2	30·3	...	55	...	0·1	...	0	0	0	0	4	12	2	12	1

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

TABLE—II. ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF MARCH, 1952—*concld.*

Sub-Division and Station	Hours of Observation	Height of bar. cistern above mean sea level	Mean pressure: Stn. level reduced to standard temp. and gravity	Mean pressure: Departure from normal	Mean pressure: Reduced to standard temp. & m.s.l. or nearest Gpkm level	Mean temperature of the air 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.	Mbs.	Mbs.	Mbs.	°F	°F	°F	Mbs.	Mbs.	%	%	Oktas										
SIND (LOWER)—*contd.*																							
Chhor	0000	19	1007·8	...	1008·5	61·4	57·8	54·0	14·6	...	80	...	1·4	...	0	2	0	0	3	15	0	0	11
	0300	...	1009·6	...	1010·3	66·6	61·4	56·5	16·6	...	76	...	2·8	...	0	4	0	1	3	13	1	1	8
	1200	...	1006·1	...	1006·8	92·4	73·5	61·3	19·5	...	37	...	2·2	...	3	1	0	0	0	18	5	4	0
Hyderabad	0000	96	1004·8	...	1008·7	66·3	60·0	53·7	14·9	...	66	...	0·2	...	1	0	0	0	2	13	4	0	11
	0300	...	1006·7	—2·0	1010·2	67·0	59·7	53·0	14·2	+1·2	62	+7	0·8	—0·6	4	0	0	0	1	16	2	1	7
	1200	...	1004·7	...	1007·9	91·9	66·8	42·4	11·2	...	21	...	1·1	...	3	6	2	0	1	16	0	1	2
Karachi (Air Port) (×) ..	0000	73	1006·9	...	1009·5	67·7	64·3	61·6	19·0	...	82	...	0·5	...	3	1	0	0	0	1	10	3	13
	0300	...	1008·7	...	1011·3	69·8	64·6	60·6	18·5	...	75	...	2·4	...	2	1	0	0	0	1	8	3	16
	1200	...	1006·3	...	1008·8	82·6	68·3	56·9	16·9	...	45	...	1·6	...	0	0	0	0	0	18	12	1	0
Karachi (Manora) ...	0000	13	1009·0	...	1009·5	71·4	67·5	65·5	21·2	...	80	...	1·4	...	0	0	0	0	0	4	12	2	13
	0300	...	1010·5	—1·7	1011·0	73·0	68·7	65·5	22·0	+2·6	81	+5	2·6	+0·6	2	0	0	0	0	3	11	5	10
	1200	...	1008·3	...	1008·5	79·0	72·4	68·6	24·2	...	72	...	1·8	...	0	0	0	0	0	13	16	2	0
Badin	0000	31	*	...	*	69·8	65·1	63·5	19·0	...	77	...	0·0	...	2	0	0	0	1	16	0	0	12
	0300	...	1010·4	—0·6	1011·5	68·4	64·9	62·5	19·5	+2·6	82	+16	0·0	—1·2	2	0	0	0	0	21	3	3	2
	1200	...	1006·8	...	1008·0	92·8	68·9	57·0	13·1	...	25	...	0·0	...	0	1	0	1	0	16	5	3	5
HILL STATIONS EXCLUDING KASHMIR AND BALUCHISTAN—																							
Murree	0000	7,113	...	...		Observations not recorded during winter months.																	
	0300	...	781·9	—2·0	798·0	43·6	37·3	27·3	5·4	—0·2	56	+3	5·1	+1·5	0	6	5	12	0	2	2	3	1
	1200	...	781·5	...	797·5	47·3	41·6	34·8	6·9	...	63	...	6·1	...	1	2	3	10	1	4	3	2	5
Cherat	0000	4,272	...	...		Observations not recorded during winter months.																	
	0300	...	868·8	—1·2	900·8	50·4	44·5	37·4	7·6	+0·6	60	+4	3·9	+0·8	12	1	0	1	2	0	0	11	4
	1200	...	868·1	...	899·7	55·3	47·5	38·1	8·1	...	53	...	5·1	...	12	1	0	1	10	0	0	7	0
Drosh	0000	4,806	853·5	...	902·8	42·5	37·1	27·9	5·3	...	57	...	4·6	...	0	8	5	1	1	0	0	0	16
	0300	...	854·5	—0·8	903·8	43·1	37·7	27·7	5·5	—0·8	57	—10	5·4	+1·6	0	5	7	4	0	1	0	0	14
	1200	...	852·0	...	900·1	53·5	42·7	24·2	5·0	...	35	...	6·3	...	1	7	7	1	2	5	2	1	5
Parachinar	0000	5,673	824·4	...	796·6	40·7	37·8	34·0	6·7	...	70	...	3·3	...	12	0	0	1	0	2	2	4	10
	0300	...	825·4	—1·1	797·7	44·5	39·9	33·6	6·7	+1·7	69	+9	3·5	+0·2	1	4	0	1	0	0	2	3	20
	1200	...	825·1	...	797·9	55·4	46·5	37·3	7·6	...	51	...	5·4	...	0	1	0	23	1	2	0	2	2
Wana	0300	4,503	859·7	...	899·0	47·6	43·1	36·6	7·7	+1·0	68	+1	1·8	—0·8	0	0	0	1	3	6	0	1	20
	1200	...	858·3	...	896·4	61·6	47·0	33·7	5·1	...	28	...	3·6	...	0	1	1	16	3	2	2	4	2
AFGHANISTAN—																							
Jalalabad	0300	1,950	942·8	...	896·0	54·8	48·8	43·0	9·3	...	68	...	4·4	...	0	3	0	0	0	5	7	0	16
	1200	...	940·8	...	895·5	68·6	55·3	43·0	9·6	...	43	...	5·0	...	0	3	2	2	1	2	4	2	15
Kabul	0300	5,955	819·7	...	800·9	38·6	35·1	29·3	5·7	+1·0	72	+6	4·6	+1·1	3	1	1	2	8	7	2	3	4
	1200	...	818·4	...	800·1	50·6	41·5	30·0	5·7	...	47	...	5·8	...	8	7	2	1	3	5	2	1	2
Kandahar	0300	3,462	892·1	...	898·1	46·7	42·3	35·6	7·4	...	67	...	1·6	...	0	0	0	0	0	1	0	0	30
	1200	...	889·7	...	895·4	68·4	58·6	50·6	12·9	...	53	...	2·1	...	0	1	0	0	0	5	0	0	25
IRAN—																							
Jask	0300	13	1009·7	...	1010·2	70·2	66·1	63·2	20·0	...	80	...	2·0	+0·1	2	4	10	2	0	1	8	1	2
	1200	...	1008·8	...	1009·3	80·0	71·8	68·0	23·0	...	66	...	2·3	...	2	0	2	1	1	10	14	0	0
ARABIA—																							
Muscat	0300	20	1010·6	...	1011·1	74·7	66·3	60·5	18·3	...	62	...	2·3	+0·5	0	0	0	3	1	0	4	14	9
	1200	...	1009·4	...	1009·9	78·3	69·9	65·5	21·1	...	63	...	2·9	...	3	2	0	7	3	0	2	14	0
Kuwait†	0500	16	1014·0	...	1014·7	65·6	58·6	51·8	13·7	...	64	...	1·8	...	6	2	0	1	1	1	8	5	7
	1200	...	1011·5	...	1012·1	71·8	62·4	55·0	14·9	...	56	...	2·0	...	4	4	6	3	1	0	0	5	8

(a) Mean of 30 days. (*) Data rejected. † Observations recorded at 0500 hrs. G. M. T. instead of 0300 hrs. G.M.T.

(×) Same observatory was previously designated as "Karachi (Drigh Road)".

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF MARCH, 1952

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	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
EAST PAKISTAN (North)																					
Pabna ...	89·8	—2·5	98	30	64·9	+1·3	56	4	2·06	+0·85	1·12	17	4	+2·1	...	...	0	0	0	0	0
Rajshahi ...	...	...	...	...	...	...	...	...	0·85	—0·32	0·45	17	2	+0·2	...	...	0	0	0	0	0
Sirajganj ...	81·0	...	91	30	63·5	...	55	4, 5	3·56	+2·28	2·00	31	4	+1·9	2·8	...	1	0	0	0	2
Bogra ...	88·1	—2·6	99	30	62·9	—0·1	56	4	0·90	—0·24	0·52	25	3	+1·0	2·5	+0·7	8	5	0	0	0
Dinajpur ...	86·2	—3·0	95	30	60·7	—0·2	52	12	2·06	+1·37	0·65	25	4	+2·6	2·2	—0·2	2	0	0	0	0
Rangpur ...	...	...	...	...	...	...	...	...	2·74	+1·74	0·78	25	6	+4·4	...	...	0	0	0	0	0
EAST PAKISTAN (East)																					
Cox's Bazar ...	88·1	+1·8	96	10, 11	66·2	+1·8	60	22	1·59	+0·10	0·89	19	2	+0·5	2·6	—0·1	5	0	2	0	0
Chittagong ...	87·5	+0·4	95	10	66·2	—1·0	60	26	4·00	+1·54	2·32	18	4	+1·5	4·9	—0·5	5	0	0	0	0
Noakhali ...	87·4	+0·8	92	2, 11, 22	65·2	—5·3	58	21	1·45	—0·92	0·60	26, 31	3	—0·1	†	...	0	0	0	0	0
Comilla ..	86·7	—3·0	94	23	64·6	—2·5	59	12	2·45	—0·56	1·12	26	6	+2·5	4·0	+0·6	0	0	0	0	0
Narayanganj ...	89·7	—0·1	95	4 days	66·8	—1·3	61	5	1·79	—0·60	0·90	17	5	+1·8	†	...	0	0	2	0	0
Brahmanbaria ...	88·5	—1·5	97	3	64·5	+0·5	58	12	1·21	—1·82	0·50	17	3	—0·7	2·8	...	2	0	0	0	0
Srimangal ...	86·8	—3·4	96	23	59·5	—2·0	52	13, 14, 20	3·66	+0·27	1·14	30	7	+2·1	1·3	—2·0	8	0	0	0	0
Mymensingh ...	89·3	+1·3	93	8, 16	60·9	—3·8	50	4	0·82	—1·02	0·43	17	3	0·0	2·7	+1·1	2	0	0	0	0
EAST PAKISTAN (Deltaic)																					
Faridpur ...	87·7	—1·6	94	29, 31	64·1	—1·7	55	13	3·20	+1·10	1·80	31	5	+2·1	1·7	—1·6	8	0	0	0	0
Barisal ...	88·3	—1·3	92	2	68·2	—0·6	63	3, 21	1·44	—0·61	0·55	18	5	+1·9	2·9	+0·7	3	0	3	0	0
Khulna ...	90·1	—1·5	94	2	67·4	—1·0	61	4, 19, 21	0·32	—1·32	0·16	17	1	—1·3	3·0	0·0	2	0	2	0	1
Jessore ...	90·8	—1·1	97	30	65·0	+0·2	...	...	1·47	—0·46	0·50	17	4	+1·1	3·6	+1·8	1	0	0	0	0
Satkhira ...	88·7	—5·0	95	9, 30	66·7	—1·2	58	4	0·16	—1·68	0·10	17	1	—1·5	2·5	+0·4	0	0	1	0	0
KASHMIR—																					
Srinagar †																					
Gulmarg †																					
Dras †																					
Leh †																					
Skardu †																					
Gilgit †																					
Misgar	42·4	...	55	25, 27	21·5	...	14	30	0·46	...	0·18	1	2	...	4·5	...	0	0	0	0	0
Jammu †																					
Kargil †																					
NORTH PUNJAB																					
Lahore ...	80·6	—2·0	88	14, 29, 31	55·7	+2·5	45	17	1·63	+0·84	0·56	15	3	+1·1	3·0	+1·1	7	2	0	0	0
Sialkot ...	79·0	—1·1	87	31	56·2	+2·0	45	18	1·24	—0·27	0·65	8	2	—1·2	2·8	+1·3	5	0	0	0	0
Jhelum ...	78·7	...	87	21	53·9	...	46	2	1·60	...	0·65	16	3	...	2·2	...	7	0	0	0	1
Rawalpindi ...	72·7	—2·4	80	28	48·0	—2·4	42	1, 17, 19	2·84	+0·17	0·50	16	8	+3·3	2·3	0·0	5	1	0	0	1
Khushab	79·9	—1·4	89	31	54·8	—1·0	45	2	1·09	+0·05	0·35	16	4	+1·5	3·3	—0·4	0	0	0	0	2
Lyallpur ...	79·1	—2·5	87	27, 31	54·0	+0·4	46	2, 17	1·17	+0·61	1·00	7	2	+0·4	2·4	+0·5	3	0	0	0	0
SOUTH PUNJAB																					
Montgomery ...	81·7	—2·1	91	2, 7	57·5	+1·5	49	18, 19	0·45	+0·03	0·28	15	1	—0·3	*	...	2	0	0	0	2
Multan ...	83·8	—0·1	93	21, 29	57·3	+0·1	49	16	0·19	—0·21	0·13	15	1	0·0	2·8	+1·3	3	0	0	0	1
Fort Abbas ...	87·0	...	98	26	*	...	...	...	0·23	...	0·18	7	1	...	*	...	0	0	0	0	0
Bahawalpur ...	86·9	+1·3	97	21, 26	57·3	+2·1	49	16, 17	0·95	+0·45	0·85	15	2	+1·1	2·5	—0·1	0	0	0	0	1
Khanpur ...	89·5	+2·6	98	25	57·7	+3·5	49	8, 17	0·07	—0·31	0·07	15	0	—0·9	4·0	0	0	0	0	0	0
N.-W. F. P. (Upper)																					
Chakdara ...	66·8	...	79	30	47·0	...	40	2, 10, 17	5·09	...	1·40	14	9	...	5·1	...	1	0	0	0	0
Peshawar ...	71·4	—3·4	81	30, 31	50·9	—1·5	43	2	1·75	—0·69	0·38	16	6	+1·4	2·3	+0·5	2	2	0	0	1
Landikotal ...	62·7	...	73	20, 25	43·7	...	33	10	2·44	...	0·68	21	6	...	2·4	...	3	3	2	0	0

† Data not available. * Data rejected.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF MARCH, 1952—*concld.*

Sub-Division and Station	Maximum temperature of the air °F				Minimum temperature of the air °F				Precipitation (Inches)						Wind velocity (knots)		Weather Number of days				
	Mean	Departure from normal	Highest	Date	Mean	Departure from normal	Lowest	Date	Total of the month	Departure from normal	Heaviest fall in 24 hours	Date	Days with 0.10" or more	Departure from normal	Mean	Departure from normal	Thunder heard	Hail	Visibility Code figure 93 or less: Fog	Haze	Dust-storm
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
N.-W. F. P. (LOWER)																					
Bannu ...	75·3	—2·7	86	29	54·1	+1·2	45	16	1·03	—0·55	0·62	22	2	—1·7	2·9	...	0	0	0	0	0
Miranshah ...	68·7	+1·4	80	26, 29	49·4	+1·7	41	17	0·80	—1·74	0·17	14	5	—0·4	4·5	—0·2	0	0	0	0	0
D. I. Khan	79·5	—2·3	89	21, 29	*	...	...	...	0·12	—0·84	0·09	14	0	—2·3	2·0	—0·5	0	0	0	0	0
BALUCHISTAN (NORTH)																					
Fort Sandeman	69·4	—0·5	81	25	46·6	+1·8	40	7, 8, 10	0·71	—0·67	0·43	27	3	—0·6	×	...	3	0	0	0	0
Hindubagh ...	65·5	...	77	24, 26	41·3	...	32	10	×	...	...	...	×	...	×	...	0	0	0	0	1
Loralai ...	69·9	...	77	26,29	42·6	...	32	8	0·42	0·88	0.27	15	2	1·1	4·6	...	4	0	0	0	0
Harnai ...									1·15	—0·26	0·82	15	3	+0·1							
Sibi ...	88·2	+2·2	97	28	59·6	+0·2	47	8	0·21	—0·11	0·18	15	1	+0·1	2·7	—0·4	0	0	0	0	0
Quetta ...	65·9	...	79	25	39·4	...	27	7, 8	0·58	...	0·32	27	2	...	5·4	+2·6	0	0	0	0	0
Quetta (Samungli)	67·3	...	86	26	36·5	...	21	7	0·45	...	0·14	26	2	...	6·6	...	2	0	0	1	0
Chaman ...	70·3	+3·8	84	26	48·5	+2·5	33	7	0·43	—1·06	0·25	26	2	—2·0	7·1	+2·0	0	0	0	0	0
Nushki ...	78·6	...	91	25	52·4	...	37	7	0·22	...	0·13	4	1	...	10·1	...	0	0	0	0	0
Kalat ...	63·2	+2·5	76	25	36·4	+0·4	21	1	0·69	—0·36	0·40	4	1	—2·0	6·1	+1·3	0	0	0	0	0
Dalbandin ...	80·9	+3·1	94	25	48·8	+1·1	31	7	0·06	—0·34	0·06	4	0	—1·4	4·8	+0·8	0	0	0	1	4
Nokkundi ...	83·5	+5·4	96	26, 27	55·8	+4·0	40	7	0·05	—0·07	0·05	4	0	—0·6	5·9	—0·2	0	0	0	0	0
BALUCHISTAN (SOUTH)																					
Lasbela (R) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Ormara ...	84·5	+2·6	99	29	67·7	+2·3	59	17, 18	0·06	—0·17	0·06	11	0	—0·7	9·8	+2·1	0	0	0	0	0
Pasni ...	84·9	+0·3	95	29, 30	63·2	+1·3	57	5 days	0·04	—0·47	0·04	11	0	—0·7	7·4	+1·9	0	0	0	0	0
Turbat ...	93·8	...	106	28	60·2	...	52	14, 30	0·00	...	0·00	...	0	...	5·7	...	0	0	0	0	0
Panjgur ...	79·0	+0·9	89	4 days	42·3	—7·9	38	7, 17	0·13	—0·47	0·13	21	1	—0·3	5·3	+0·6	0	0	0	0	1
SIND (UPPER)																					
Reti ...	91·3	...	100	26	56·9	...	45	2	0·00	...	0·00	...	0	...	4·7	...	0	0	0	0	0
Jacobabad ...	90·0	+0·4	99	27	60·4	—0·2	51	2	0·00	—0·22	0·00	...	0	—0·7	5·7	+1·7	0	0	0	0	0
Sukkur ...	90·5	+2·6	100	26	59·7	+0·1	52	2	0·00	—0·24	0·00	...	0	—0·9	×	...	0	0	0	0	0
Pad Idan ...	88·0 (b)	...	97	21	57·5	...	47	17	0·00	...	0·00	...	0	...	2·0	...	0	0	0	1	0
SIND (LOWER)—																					
Umarkot ...	96·3	...	105	31	61·9	...	53	2	0·00	...	0·00	...	0	...	4·5	...	0	0	0	0	0
Chhor ...	93·8	...	103	29, 31	59·0	...	49	18	0·00	...	0·00	...	0	...	4·3	...	0	0	0	1	0
Hyderabad ...	94·3	+1·8	104	27	63·6	—0·2	52	2	0·00	—0·20	0·00	...	0	—0·4	3·6	—0·7	0	0	0	2	0
Karachi (Air port) (††)	87·8	...	103	29	65·0	...	57	17	0·00	...	0·00	...	0	..	6·6	...	0	0	2	0	5
Karachi (Manora)	81·7	—0·1	93	29	70·6	+2·5	64	17	0·00	—0·29	0·00	...	0	—0·6	6·9	—0·2	0	0	0	0	0
Badin ...	95·3	+3·6	105	29	61·9	+0·2	51	18	0·00	—0·15	0·00	...	0	—0·2	4·4	...	0	0	0	0	2
HILL STATIONS EXCLUDING KASHMIR AND BALUCHISTAN																					
Murree ...	50·7	—4·9	62	21	38·1	+0·3	28	16	5·73	+0·92	0·99	16	14	+6·7	7·5	+2·3	10	0	0	0	0
Cherat ...	59·6	—1·6	70	21	46·3	—1·4	38	17	1·85	—2·44	0·61	22	5	—0·6	6·9	—0·8	4	2	2	0	0
Drosh ...	56·2	—1·9	68	28	39·7	—0·7	31	14	7·74	+4·01	1·99	14	12	+4·6	4·9	+1·8	1	0	0	0	0
Parachinar ...	58·5	—1·3	69	19	39·0	+0·4	31	16	5·92	+1·58	1·35	4	10	+1·7	3·2	+0·8	1	0	0	0	0
Wana ...	66·9	+1·2	77	19	40·9	+0·9	34	1, 2, 17	1·54	—0·39	0·35	31	6	+2·1	3·2	...	0	0	0	0	0
AFGHANISTAN																					
Jalalabad ...	71·6	...	83	30	48·8	...	39	1, 10	0·90	...	0·32	4	4	...	2·5	...	0	0	0	0	0
Kabul ...	53·0	+0·2	68	25	34·4	+0·8	24	15	4·79	+1·20	1·94	13	7	—0·1	3·7	+1·1	1	0	0	0	0
Kandahar ...	73·2	...	83	19	39·5	...	25	9	1·02	...	0·70	14	3	...	2·1	...	0	0	0	0	0
IRAN																					
Jask ...	80·6	+0·1	89	30	60·4	—6·2	54	7	0·00	—0·65	0·00	...	0	—1·2	8·0	+0·4	0	0	0	0	0
ARABIA																					
Muscat ...	80·4	—0·6	87	4 days	72·3	+0·4	66	7	0·00	—0·40	0·00	...	0	—1·1	3·9	+0·3	0	0	0	0	0
Kuwait † ...	74·0	...	90	17	58·3	...	43	7	0·03	...	0·03	2	0	...	5·2	...	0	0	0	0	0

(R) Register not received. *Date rejected. (b) Mean of 23 days only. (×) Data not available.

(†) Recorded at 0500 hrs. G. M. T. instead of 0300 hrs. G. M. T. (††) The same observatory was previously designated as "Karachi (Drigh Road)."

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PAKISTAN WEATHER REVIEW 1952

MONTHLY WEATHER REPORT

APRIL

PUBLISHED BY THE AUTHORITY OF THE GOVERNMENT OF PAKISTAN

Chief Features :—(1) Nine western disturbances affected West Pakistan.

(2) A heat wave swept over Sind and Baluchistan in the beginning of the second fortnight.

(3) Marked rain/thundershowers activity prevailed over East Pakistan particularly in the second fortnight.

West Pakistan

The first three western disturbances moved in quick succession during the first week across Baluchistan, Sind into the Indian region with their primaries moving across the extreme north of West Pakistan. The first western disturbance caused scattered rain/thunderstorms over North Baluchistan, North-West Frontier Province hills and the North Punjab. The next two western disturbances also caused scattered rain/thunderstorm activity over Punjab, North-West Frontier Province hills, Baluchistan and Upper Sind. The next four western disturbances again moved in quick succession across West Pakistan from the 17th to 20th. They caused a light spell of Wet Weather in the Nort-West Frontier Province, North Punjab and North Baluchistan. The eighth western disturbance moving across upper Sind and the Punjab from 25th to 26th caused scattered light rain/drizzle and a few duststorms in Baluchistan on the 25th. It was closely followed by another western disturbance moving across North Baluchistan and the Punjab between the 26th and 29th. It caused a spell of wet weather and also dust/thunderstorm activity in the North-West Frontier Province and Baluchistan from 26th to the end of the month. It also caused a few dust/thunderstorms in Sind. According to available press reports two persons were killed and eleven injured, as a result of house collapse caused by a severe duststorm, accompanied by heavy downpour which swept over Hyderabad in the afternoon of 30th. Several Kutcha houses were reported to have collapsed and hundred of trees uprooted. Telephone and telegraph lines were broken or damaged.

Due to the formation of a shallow low pressure area over the North Arabian Sea, hot winds blowing from the Thar desert areas towards the sea, caused a heat wave which affected Sind and Baluchistan during the first four days of the second fortnight.

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

Parachinar, Landikotal 1/2" each on the 1st ; Parachinar 3/4", Landikotal 1/2", Drosh, Bannu, Fort-Sandeman 1/4" each on the 4th ; Chaman, Kalat 1/2" each, Drosh, Quetta 1/4" each on the 5th ; Chakdara 1/2", Fort-Sandeman, Loralai 1/4" each on the 6th ; Drosh 1/4" on the 17th and 1/2" on the 18th ; Cherat 1", Drosh, Chakdara, Parachinar 1/2" each on the 19th ; Drosh, Fort-Sandeman 1/2" each on the 20th, Murree 1", Parachinar, Landikotal 3/4", Drosh 1/2", Landikotal 1/4" on the 28th ; Peshawar 1/2", Landikotal 1/4" on the 29th.

The mean actual rainfall during the month was in slight defect in the lower North-West Frontier Province, in moderate defect in Baluchistan and the Upper Sind, and in large defect elsewhere. Averaged over West Pakistan, outside Baluchistan it was in large defect.

The mean maximum and minimum temperatures were above normal over the region except South Baluchistan where they were normal.

Mean relative humidity was in excess in Upper Sind, normal in Lower Sind, North Baluchistan, lower North-West Frontier Province and the Punjab and in defect in the Upper North-West Frontier Province and South Baluchistan.

Skies were clouded more than usual in Upper Sind and less than usual in the North Punjab, Lower Sind. They were clouded as usual elsewhere.

East Pakistan

Due to the passage of low pressure waves across East Pakistan and a well marked trough of low over East Pakistan, rain/thunder showers activity was well marked in the first week and again during the second fortnight, when locally heavy rainfall was reported on a few days. According to available press reports, a violent hailstorm swept over Comilla and its suburbs on the 16th causing damage to boro crop and jute sowing. A man was killed by lightning at Hazaripara.

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

Noakhali 1 1/2", Comilla 1" on 1st ; Comilla 1 1/2", Narayanganj 1" on 2nd ; Satkhira 1 1/2" on 5th, Comilla 3", Narayanganj, Faridpur, Barisal 1" each on the 17th ; Bogra 2", Sirajganj 1 1/2", Srimangal 1" on 19th ; Satkhira and Sirajganj 1" each on 20th, Dinajpur 2", Bogra 1 1/2", on the 21st, Comilla 5" Mymensingh 2", Noakhali, Brahmanbaria, Bogra, Rangpur 1" each on the 22nd ; Chittagong 5", Faridpur 3", Cox's Bazar 2", Comilla, Barisal 1 1/2" each, Noakhali 1" on 23rd, and also on 24th, 25th and 30th.

The mean actual rainfall during the month was in large excess in the Northern and the Eastern sub-division and in moderate excess in Deltaic sub-division.

Mean maximum and minimum temperatures, mean relative humidity and cloudiness were normal except in the Northern sub-division where the mean maximum temperatures and cloudiness were below normal.

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

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TABLE I.—DIVISIONAL AND SUB-DIVISIONAL MEANS APRIL 1952

Division	PRECIPITATION				DEPARTURE FROM NORMAL OF				
							0300 hrs. G. M. T.		
	Actual	Normal	Departure from normal	Percentage departure from normal	Maximum temperature	Minimum temperature	Vapour pressure	Relative humidity	Cloud
1	2	3	4	5	6	7	8	9	10
	"	"	"	.	°	°	Mbs.	%	
East Pakistan	6.75	4.24	+2.51	+59	—1.1	—0.2	—0.6	0	—0.8
Mean of East Pakistan	6.75	4.24	+2.51	+59	—1.1	—0.2	—0.6	0	—0.8
Punjab	0.05	0.51	—0.46	—90	+5.3	+3.7	+1.6	—3	—0.4
N.-W. F. P.	0.85	1.27	—0.42	—33	+5.4	+5.1	+0.7	—5	—0.1
Baluchistan	0.30	0.53	—0.23	—43	+3.4	+3.3	+0.6	—5	0.0
Sind	0.04	0.10	—0.06	—60	+3.4	+3.1	0.0	+4	—0.5
Mean of West Pakistan excluding Baluchistan	0.18	0.50	—0.32	—64	+5.2	+4·2	+0.6	—1	—0.4
Sub-Division									
	"	"	"				mb.	%	
East Pakistan (North)	4.37	2.49	+1.88	+75	—2.0	+1.0	+0.5	0	—1.7
East Pakistan (East)	9.16	6.15	+3.01	+49	—0.5	—0.3	—0.6	—1	—0.7
East Pakistan (Deltaic)	6.22	3.65	+2.57	+70	—1.6	—0.7	—1.1	+1	—0.6
Kashmir*									
North Punjab	0.09	0.97	—0.88	—91	+5.5	+3.2	+1.1	—3	—0.7
South Punjab	0.00	0.26	—0.26	—100	+5.1	+4.4	+2.2	—3	0.0
N.-W. F. P. (Upper)	0.75	1.76	—1.01	—57	+4.9	+3.0	+0.1	—10	—0.3
N.-W. F. P. (Lower)	0.88	1.10	—0.22	—20	+5.6	+6.1	+0.8	—4	0.0
Baluchistan (North)	0.37	0.54	—0.17	—31	+4.5	+4.0	+1.5	—4	0.0
Baluchistan (South)	0·15	0·46	—0·31	—47	+1·1	+1·3	—1·4	—8	—0·1
Sind (Upper)	0.09	0.13	—0.04	—31	+4.7	+4.3	—1.6	+8	+0.5
Sind (Lower)	0.00	0.07	—0.07	—100	+2.5	+2.4	+1.0	+3	—0.8

* Data in complete.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF APRIL 1952—*contd.*

Sub-Division and Station	Hours of observation	Height of bar. cistern above mean sea level	Mean pressure: Station level reduced to standard temp. and gravity	Mean pressure: Departure from normal	Mean pressure: Reduced to standard temp. & M. S. L. or nearest Gpkm. level	Mean temperature of the air and humidity: Dry bulb	Wet Bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Total Cloud amount: Mean amount	Departure from normal	Wind direction, Number of observations from :— N	NE	E	SE	S	SW	W	NW	Calm
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	GMT.	Ft.	Mbs.	Mbs.	Mbs.	°F	°F	°F	Mbs.	Mbs.	%	%	Oktas	Oktas									
East Pakistan (North)																							
Pabna	0300	...	...	...	...	82·8	76·1	...	28·2	+0·7	73	+1	...	...	...	...	...	...	...	...	...	...	...
Sirajganj	0000	49	1006·3	...	1008·1	72·7	71·2	70·4	25·7	...	93	...	4·6	...	2	0	10	8	0	2	5	2	1
	0300	...	1008·5	...	1010·2	80·8	75·2	72·4	27·7	...	76	...	4·1	...	0	0	11	11	1	2	1	1	3
	1200	...	1003·5	...	1005·2	86·9	75·6	68·6	24·9	...	57	...	4·2	...	1	0	4	11	1	0	1	1	11
Bogra†	†0000	65	1005·8	...	1008·1	73·4	69·6	67·2	23·1	...	83	...	4·4	...	0	0	1	5	1	1	0	0	22
	0300	63	1007·7	+1·1	1009·9	80·9	73·5	69·5	24·8	+0·1	68	—1	4·0	+0·6	0	2	14	6	0	3	4	0	1
	1200	...	1003·0	...	1005·1	89·4	73·8	63·4	21·2	...	45	...	3·5	...	0	4	9	5	1	5	6	0	0
Dinajpur	0000	123	1005·1	...	1009·4	72·1	68·3	65·9	21·6	...	80	...	2·3	...	1	8	3	1	0	0	1	0	16
	0300	...	1006·7	+2·4	1011·2	80·3	71·9	66·8	22·5	+0·8	64	—1	2·1	—1·1	0	2	14	0	0	0	2	0	12
	1200	...	1002·5	...	1006·6	87·9	74·7	66·8	23·7	...	52	...	1·6	...	0	2	5	1	0	0	2	0	20
East Pakistan (East)																							
Cox's Bazar	0000	38	1008·9	...	1010·3	74·7	73·0	72·5	27·5	...	93	...	2·9	...	0	1	1	5	2	0	0	0	21
	0300	...	1010·6	+1·3	1012·0	84·2	77·2	74·1	28·5	—0·8	73	—2	3·7	+0·4	0	0	0	6	3	0	0	2	19
	1200	...	1007·3	...	1008·7	82·5	76·8	74·2	29·7	...	79	...	2·4	...	0	0	1	3	6	1	1	1	17
Chittagong	0300	87	1008·3	+0·8	1011·2	83·1	75·4	72·2	26·7	—1·4	69	—6	4·4	+1·0	2	5	3	12	5	1	0	1	1
	1200	...	1004·5	...	1007·5	81·9	75·6	73·3	27·2	...	73	...	3·7	...	2	0	1	3	9	11	3	0	1
Noakhali (Maijdee)	0000	25	×		×	75·4	73·6	70·2	26·8		90		3·6		×								
	0300		×		×	80·6	75·7	73·6	28·4	—1·1	78	+3	4·0	+0·6	×								
	1200		×		×	84·3	76·9	76·9	27·8		69		2·7		×								
Comilla	0000	29	1008·0	...	1009·0	73·8	72·1	71·8	26·6	...	93	...	5·3	...	3	1	5	5	8	1	0	0	7
	0300	...	1010·2	+1·6	1011·2	79·4	74·6	72·2	26·4	—2·4	78	+7	4·4	+0·9	2	1	5	5	15	0	0	1	1
	1200	...	1006·1	...	1007·1	85·3	77·5	73·4	28·1	...	75	...	3·2	...	0	1	1	5	15	4	0	1	3
Narayanganj	0000	26	1007·6	...	1008·6	75·4	69·3	71·4	21·5	...	72	...	4·3	...	1	1	5	5	5	4	0	0	9
	0300	...	1009·1	+0·6	1010·0	82·5	75·5	71·8	27·5	—0·4	71	—4	4·1	—0·1	0	0	7	4	9	3	0	1	6
	1200	...	1004·8	...	1005·7	86·2	76·8	72·5	26·9	...	63	...	3·3	...	0	0	1	5	11	1	0	0	12
Brahmanbaria	0000	32	1008·9	...	1010·0	73·9	71·7	70·5	25·9	...	90	...	4·0	...	0	0	0	2	4	0	1	0	23
	0300	...	1009·7	...	1010·8	82·1	74·9	71·1	26·5	+0·9	71	+2	3·5	...	1	1	5	3	11	4	1	0	4
	1200	...	1006·0	...	1007·2	86·0	76·1	70·1	26·1	...	61	...	2·2	...	0	1	2	4	10	4	0	0	9
Srimangal	0000	69	1007·4	...	1009·8	69·6	68·4	67·4	23·8	...	95	...	4·4	...	0	0	3	0	1	0	0	0	26
	0300	...	1008·9	+1·1	1011·3	79·3	73·7	71·0	25·7	—0·3	76	—1	4·9	+1·4	3	1	2	10	7	1	1	0	5
	1200	...	1004·2	...	1006·5	85·5	75·8	71·2	25·8	...	63	...	3·9	...	3	0	0	1	9	0	0	0	17
Mymensingh	0000	62	1008·2	...	1010·3	71·0	69·1	68·0	23·3	...	90	...	6·6	...	0	0	11	0	0	0	0	0	19
	0300	...	1009·2	+1·6	1011·2	80·3	73·8	71·1	25·3	—0·1	72	—2	5·3	+0·6	0	0	17	0	0	0	0	0	13
	1200	...	1004·4	...	1006·3	86·2	75·1	69·4	24·7	...	58	...	4·0	...	0	0	14	0	0	0	0	0	16
East Pakistan (Deltaic)																							
Faridpur	0000	46	1006·8	...	1008·5	77·0	72·4	71·3	25·2	...	79	...	3·7	...	1	1	2	6	9	1	0	0	10
	0300	...	1008·6	+1·6	1010·1	81·3	75·6	73·0	27·7	—0·4	76	+7	3·7	+0·6	3	1	1	6	12	4	1	0	2
	1200	...	1004·0	...	1005·5	87·8	76·9	71·0	26·7	...	59	...	4·4	...	0	0	1	7	9	2	1	0	10
Barisal	0000	11	1007·9	...	1008·3	76·1	74·2	73·5	27·8	...	91	...	5·0	...	2	0	1	4	4	7	2	0	10
	0300	...	1010·1	—1·1	1010·5	83·0	76·8	74·0	29·0	—0·9	75	0	3·8	0·0	1	3	1	4	8	7	1	1	4
	1200	...	1006·2	...	1006·6	85·7	77·3	73·4	28·3	...	67	...	4·4	...	0	0	2	6	16	4	0	1	1
Khulna	0000	16	1007·9	...	1008·4	76·2	74·9	74·2	28·5	...	93	...	3·6	...	0	3	0	7	1	6	0	0	13
	0300	...	1009·8	+1·4	1010·3	83·0	77·5	75·1	29·7	+0·9	77	+5	4·3	+0·2	1	3	0	8	0	13	0	0	5
	1200	...	1006·1	...	1006·6	86·5	78·1	74·4	29·4	...	67	...	3·5	...	1	1	0	9	5	4	0	0	10
Jessore	0000	26	1007·7	...	1008·6	75·3	72·9	72·3	26·1	...	88	...	3·4	...	2	1	3	3	12	1	0	0	8
	0300	...	1008·5	+0·6	1009·4	84·5	73·7	70·5	23·7	—5·1	59	—14	2·7	—0·6	0	0	2	4	12	5	2	0	4
	1200	...	1005·3	...	1006·2	85·7	74·7	71·5	24·7	...	58	...	3·4	...	2	0	0	3	13	0	0	0	12
Satkhira	0000	16	1007·9	...	1008·6	77·2	74·5	73·2	28·0	...	88	...	5·0	...	0	3	0	7	0	7	0	1	12
	0300	...	1009·4	+1·1	1010·0	83·1	77·0	73·8	29·0	—0·2	75	+5	4·7	+1·7	0	3	0	11	0	14	0	1	1
	1200	...	1006·2	...	1006·8	87·3	77·9	71·6	29·0	...	63	...	5·5	...	1	1	0	7	0	13	0	3	5

× Data not available.

† 0000 hrs. Observations recorded at distant site by P. B. O. staff.

Sub-Division and Station	Hours of observation	Height of bar. cistern above mean sea level	Mean Pressure: Station level reduced to standard temperature and gravity	Mean Pressure: Departure from normal	Mean Pressure: Reduced to standard temp. and M.S.L. or nearest 6pkm. level	Mean temperature of the air and humidity: Dry Bulb	Wet Bulb	Dew Point	Vapour Pressure	Departure from normal	Relative humidity	Departure from normal	Total cloud amount: Mean Amount	Departure from normal	Wind direction, Number of observations from:— N	NE	E	SE	S	SW	W	NW	Calm
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	GMT.	Feet	Mbs.	Mbs.	Mbs.	°F	°F	°F	Mbs.	Mbs.	%	%	Oktas	Oktas									
KASHMIR																							
Srinagar*	0000	5,205																					
	0300																						
	1200																						
Gulmarg*	0000	8,709																					
	0300																						
	1200																						
Dras*	0000	10,059																					
	0300																						
	1200																						
Leh*	0000	11,529																					
	0300																						
	1200																						
Skardu*	0000	7,505																					
	0300																						
	1200																						
Gilgit*	0000	4,890																					
	0300																						
	1200																						
Misgar	0000	10,190	702·1		708·0	36·5	30·6	20·9	4·0	...	54	...	2·5		0	0	1	0	0	0	3	0	26
	0300		702·7	...	708·4	37·2	30·5	18·5	3·7	...	50	...	2·9	...	0	0	4	0	0	0	2	0	24
	1200		699·5		705·5	55·1	39·1	14·5	3·1	...	21	...	3·5		0	0	25	0	0	0	5	0	1
Jammu*	0000																						
	0300																						
	1200																						
Kargil*	0000																						
	0300																						
	1200																						
NORTH PUNJAB																							
Lahore	0000	702	982·5	...	1007·1	68·7	61·4	56·1	15·2	...	63	...	1·7	...	5	5	1	1	0	0	0	1	1
	0300	...	983·8	+0·4	1007·9	79·3	66·1	57·0	16·0	+2·6	47	+3	2·0	—0·3	1	6	2	1	1	1	1	6	1
	1200	...	981·1	...	1004·3	97·1	71·8	55·7	15·3	...	26	...	2·2	...	4	3	1	1	0	0	4	7	1
Sialkot	0000	830	978·0	...	1006·7	72·7	60·9	50·9	13·0	...	47	...	2·6	...	2	16	3	0	0	0	0	3	
	0300	...	979·2	0·0	1007·6	79·0	64·2	52·6	13·8	+0·1	41	—9	2·8	+0·9	4	9	2	0	0	0	1	5	
	1200	...	976·6	...	1004·1	91·0	69·7	50·2	15·1	...	31	...	3·1	...	0	3	0	1	0	1	7	11	
Jhelum	0000	765	980·8	...	1007·5	67·4	58·3	50·5	12·5	...	55	...	2·0	...	0	0	1	0	0	0	2	6	2
	0300	...	982·2	...	1008·6	77·3	61·7	48·3	11·8	...	37	...	3·0	...	1	0	1	1	2	0	2	11	1
	1200	...	979·0	...	1004·4	95·1	66·5	41·2	9·3	...	17	...	3·1	...	1	1	1	2	1	4	5	8	
Rawalpindi	0000	1,676	950·8	...	894·7	64·6	56·4	49·7	12·3	...	60	...	(f) 1·4	...	0	0	0	0	0	0	4	0	2
	0300	...	952·3	+0·8	897·3	74·3	61·4	51·9	13·4	+0·4	45	—3	2·0	—0·6	2	1	0	0	1	2	4	1	1
	1200	...	950·1	...	896·6	88·8	66·2	50·8	13·0	...	28	...	2·2	...	1	1	1	1	0	1	8	4	1
Khushab	0000	616	985·4	...	1006·8	73·0	61·3	51·9	13·3	...	48	...	1·8	...	4	8	6	1	2	3	3	2	
	0300	...	987·0	—0·1	1008·1	81·8	65·3	53·1	13·9	+0·9	37	—6	1·6	—0·6	5	8	8	1	2	1	2	2	
	1200	...	983·8	...	1004·1	97·9	70·8	52·0	13·5	...	22	...	2·5	...	6	6	5	3	2	2	2	4	
Lyallpur	0000	605	985·3	...	1006·4	69·3	59·5	51·1	13·0	...	53	...	2·2	...	6	5	3	1	3	2	1	2	
	0300	...	987·0	+0·1	1007·8	76·3	62·6	52·1	13·1	+0·3	42	—4	1·8	—1·3	5	7	1	1	4	0	2	1	
	1200	...	984·2	...	1004·3	96·0	68·7	48·1	11·6	...	19	...	2·0	...	5	2	0	2	4	1	4	5	

* Data not available.

(f) Mean for 25 days.

Sub-Division and Station	Hours of observation	Height of bar. cistern above mean sea level	Mean pressure: Station level reduced to standard temperature and gravity	Mean pressure: Departure from normal	Mean pressure: Reduced to standard temp. and M.S.L. or nearest Gpkm. level	Mean temperature of the air and humidity: Dry Bulb	Wet Bulb	Dew Point	Vapour Pressure	Departure from normal	Relative humidity	Departure from normal	Total cloud amount: Mean amount	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.	Feet	Mbs.	Mbs.	Mbs.	°F	°F	°F	Mbs.	Mbs.	%	%	Oktas	Oktas									
SOUTH PUNJAB																							
Montgomery	0000	558	986·9	...	1006·4	70·3	62·7	57·3	16·0	...	63	...	2·2	...	0	0	0	5	0	9	1	0	15
	0300	...	988·3	—0·1	1007·5	79·4	65·9	56·7	15·7	+0·1	47	—9	2·0	+0·4	0	1	2	11	4	3	0	0	9
	1200	...	985·9	...	1004·3	97·8	73·1	56·8	16·6	...	28	...	2·4	...	0	3	0	6	0	1	0	2	18
Multan	0300	413	993·5	—0·1	1007·7	79·2	70·2	64·2	21·2	+4·8	62	+11	2·0	+0·3	8	0	0	1	5	3	0	6	7
	1200	...	990·5	...	1004·1	100·4	81·7	72·4	28·5	...	46	...	2·4	...	4	2	1	1	2	7	1	2	10
Fort Abbas	0000	475	993·5	...	1010·2	72·7	63·1	58·4	15·4	...	57	...	0·4	...	0	2	1	4	1	2	0	1	19
	0300	...	993·4	...	1009·7	79·6	65·4	55·5	15·0	...	44	...	0·4	...	0	1	4	5	1	8	0	1	10
	1200	...	988·2	...	1004·1	100·6	*	*	*	...	*	...	1·3	...	1	5	1	2	0	14	0	6	1
Bahawalpur	0300	384	994·2	—0·8	1007·4	76·9	65·8	58·4	16·7	+0·7	53	+3	1·2	—0·6	1	6	0	0	2	1	0	1	19
	1200	...	991·2	...	1003·9	100·6	75·0	60·0	18·0	...	27	...	0·9	...	2	4	0	0	0	1	4	0	19
Khanpur	0300	297	997·4	—0·7	1007·7	79·1	*	*	*	...	*	...	1·5	+0·1	3	4	0	2	0	8	3	3	7
	1200	...	994·2	...	1004·1	101·6	*	*	*	...	*	...	1·9	...	5	4	0	0	3	6	5	4	3
N.-W. F. P. (Upper)																							
Chakdara	0000	2,197	933·4	...	897·4	62·1	54·4	49·0	11·3	...	60	...	1·9	...	*	*	*	*	*	*	*	*	*
	0300	...	934·3	...	898·7	67·1	57·7	51·5	12·3	...	54	...	3·0	...	*	*	*	*	*	*	*	*	*
	1200	...	931·4	...	897·0	83·8	66·5	55·0	15·2	...	38	...	4·0	...	*	*	*	*	*	*	*	*	*
Peshawar	0000	1,175	968·5	...	1009·5	65·5	56·8	48·3	10·9	...	56	...	2·6	...	1	0	1	2	13	7	2	0	4
	0300	...	970·7	+1·2	1010·5	75·1	62·6	52·5	13·8	+0·1	46	—10	3·3	—0·4	1	2	1	2	4	4	0	2	14
	1200	...	966·7	...	1005·9	87·8	65·5	47·2	11·4	...	25	...	4·4	...	4	7	6	3	1	0	2	4	3
Landikotal	0000	3,503	892·3	...	899·4	59·5	53·5	48·1	11·5	...	67	...	2·5	...	0	0	0	0	0	1	0	4	25
	0300	...	893·5	...	900·4	67·5	58·0	50·4	12·6	...	55	...	2·9	...	0	1	0	1	0	0	0	12	16
	1200	...	891·4	...	898·2	78·3	63·3	52·0	13·8	...	40	...	3·5	...	1	3	0	5	0	0	0	14	7
N.-W. F. P. (Lower)																							
Bannu	0000	1,264	963·9	...	1007·6	70·5	59·2	49·2	12·1	...	47	...	2·0	...	8	0	2	3	3	2	8	1	3
	0300	...	965·5	...	1008·7	76·8	62·7	50·2	13·1	+0·1	42	—9	1·6	—0·1	2	1	0	0	1	1	7	15	3
	1200	...	962·6	...	1004·6	90·2	67·9	50·0	13·2	...	27	...	3·1	...	1	2	7	9	3	0	3	3	2
Miranshah	0000	3,026	908·1	...	899·9	68·2	58·2	51·7	12·5	...	53	...	2·5	...	0	5	1	5	6	7	1	2	3
	0300	...	908·6	...	900·4	68·8	58·9	51·1	13·0	+3·3	54	+3	2·3	+0·2	1	2	4	2	1	0	1	9	10
	1200	...	906·0	...	898·2	84·2	68·2	58·4	17·1	...	42	...	4·8	...	2	4	11	8	1	2	0	1	1
D. I. Khan	0000	570	987·3	...	1007·3	70·7	61·2	54·0	14·2	...	55	...	1·2	...	3	7	1	2	0	0	4	3	10
	0300	...	989·5	+0·8	1009·3	74·4	63·5	55·0	15·1	—0·9	51	—5	2·1	—0·1	3	12	0	0	1	1	2	2	9
	1200	...	985·1	...	1004·0	97·0	73·7	58·0	18·0	...	29	...	1·4	...	1	1	0	4	2	2	1	2	17
BALUCHISTAN (North)																							
Fort Sandeman	0300	4,614	860·1	+1·3	901·9	65·0	54·2	41·4	10·0	+2·0	47	—16	2·3	+0·3	×	×	×	×	×	×	×	×	×
	1200	...	858·4	...	898·3	80·6	60·7	42·3	9·9	...	28	...	4·6	...	×	×	×	×	×	×	×	×	×
Hindubagh	0000	5,909	820·4	...	800·9	53·3	46·6	39·9	8·6	...	62	...	2·0	...	0	0	1	0	0	10	7	3	9
	0300	...	821·8	...	802·5	62·0	51·9	43·3	9·7	...	51	...	2·4	...	0	1	1	0	0	6	3	1	18
	1200	...	819·6	...	800·9	74·0	54·4	34·6	7·3	...	26	...	4·1	...	2	0	7	2	6	0	6	5	2
Loralai (R)	0000	4,699																					
	0300	...		...						...		...		...									
	1200	...		...						...		...		...									

* Data rejected.

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

Sub-Division and Station	Hours of observation	Height of bar. cistern above mean sea level	Mean Pressure: Station level reduced to standard temperature and gravity.	Mean Pressure: Departure from normal.	Mean Pressure: Reduced to standard temp. and M.S.L. or nearest 6pkm. level.	Mean temperature of the air and humidity: Dry Bulb.	Wet Bulb.	Dew Point.	Vapour Pressure.	Departure from normal.	Relative humidity.	Departure from normal.	Total Cloud amount: Mean amount.	Departure from normal.	Wind direction, Number of observations from:— N	NE	E	SE	S	SW	W	NW	Calm.
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	GMT.	Feet	Mbs.	Mbs.	Mbs.	°F	°F	°F	Mbs.	Mbs.	%	%	Oktas	Oktas									
BALUCHISTAN (North)—*contd.*																							
Sibi	0000	441	990·7	...	1005·9	77·8	63·6	53·1	14·1	...	43	...	1·0	...	0	0	0	1	0	1	0	0	28
	0300	...	992·1	—0·3	1007·2	80·7	65·3	54·4	14·1	+4·3	40	+9	1·8	—0·1	1	1	0	2	0	1	2	2	21
	1200	...	988·8	...	1003·2	102·5	76·1	59·7	18·6	...	26	...	3·2	...	0	2	1	5	5	10	2	3	2
Quetta	0300	5,490	832·7	—0·1	801·1	59·8	53·8	49·2	12·1	+3·0	69	+6	1·9	—0·2	1	0	1	1	6	2	0	1	18
	1200	...	830·5	...	799·9	75·6	61·8	52·0	13·6	...	45	...	4·4	...	2	1	0	2	8	3	2	7	5
Quetta (Samungli)	0000	5,253	841·4	801·7	49·2	43·4	35·8	...	7·3	...	62	...	1·9	...	0	0	8	8	2	0	0	0	12
	0300	...	842·4	803·3	57·5	49·8	43·1	...	9·4	...	59	...	2·3	...	0	0	9	10	0	2	1	0	8
	1200	...	840·3	802·8	76·6	57·9	42·4	...	9·6	...	32	...	4·2	...	0	0	0	10	0	3	8	8	1
Chaman	0000	4,311	866·5	...	898·6	64·8	52·6	40·9	8·8	...	42	...	1·3	...	0	2	15	8	2	0	1	1	1
	0300	...	867·9	—0·1	899·7	70·5	56·1	42·9	9·4	+0·7	37	—8	1·4	—1·0	3	5	4	3	6	3	1	1	4
	1200	...	865·8	...	896·8	81·5	61·7	44·5	11·9	...	28	...	1·7		1	2	0	2	1	3	13	8	0
Nushki	0000	3,416	899·9	...	903·8	70·5	56·2	41·8	9·7	...	38	...	1·1	...	1	3	20	3	0	(b) 0	0	1	1
	0300	...	903·0	...	906·0	75·6	59·4	46·1	10·7	...	36	...	1·6	...	2	3	16	3	2	2	0	0	2
	1200	...	987·5	...	901·0	88·7	68·4	52·8	14·5	...	33	...	2·1	...	1	0	4	0	0	2	15	8	0
Kalat	0000	6,616	799·9	...	798·3	48·1	40·5	31·1	5·9	...	52	...	1·1	...	0	0	1	4	20	0	2	0	3
	0300	...	801·3	+1·7	799·7	55·8	44·9	32·2	6·3	—2·7	41	—15	1·6	—0·2	0	0	2	3	19	0	0	0	6
	1200	...	798·6	...	797·1	72·1	51·8	30·7	5·7	...	21	...	2·9	...	0	0	3	1	6	2	5	8	5
Dalbandin	0000	2,785	915·0	...	898·8	65·0	53·7	43·3	9·7	...	46	...	1·7	...	4	4	0	3	0	3	3	1	12
	0300	...	916·5	+0·7	900·4	68·0	55·8	45·1	10·3	+1·1	44	—1	2·2	+0·3	0	5	2	0	0	1	0	0	22
	1200	...	913·5	...	898·1	90·2	65·2	46·0	11·0	...	23	...	3·5	...	1	2	2	6	2	8	5	1	3
Nokkundi	0000	2,229	932·2	...	898·1	70·6	58·3	45·1	11·4	...	45	...	0·0	...	11	9	2	0	0	0	0	7	[illegible]
	0300	...	933·5	...	899·9	75·4	61·2	50·1	13·0	+2·0	42	—3	3·0	+1·1	6	7	0	2	1	1	1	10	[illegible]
	1200	...	930·7	...	898·1	93·6	68·8	51·4	13·6	...	25	...	3·1	...	4	2	1	3	6	7	1	5	[illegible]
BALUCHISTAN (South)																							
Lasbela (R)	0000	292		...						...		...		...									
	0300	...																					
	1200	...		...						...		...		...									
Ormara	0000	15	1006·5	...	1007·0	77·3	73·1	70·7	26·4	...	82	...	0·0	...	0	0	2	0	0	0	22	1	
	0300	...	1008·4	...	1008·9	77·9	72·2	69·0	24·0	—1·7	75	—9	0·0	—1·8	0	4	2	0	0	0	17	0	
	1200	...	1005·7	...	1006·2	87·8	73·5	62·0	21·4	...	47	...	0·0	...	0	1	0	0	4	5	20	0	
Pasni	0000	10	1007·7	...	1008·0	70·3	66·4	63·6	20·4	...	80	...	2·2	...	1	1	0	1	0	1	20	3	
	0300	...	1009·0	—0·3	1009·3	74·6	70·5	66·6	23·6	—0·1	81	0	2·1	+0·7	1	0	1	1	0	3	10	12	
	1200	...	1006·2	...	1006·5	86·6	75·4	60·5	25·2	...	58	...	1·4	...	0	0	0	3	0	21	6	0	
Turbat	0000	510	995·6	...	1013·5	71·1	56·9	42·6	9·4	...	37	...	1·1	...	1	18	2	2	0	1	0	4	
	0300	...	993·4	...	1011·0	80·9	63·9	50·7	12·7	...	35	...	1·4	...	0	8	5	2	2	0	1	3	
	1200	...	990·2	...	1006·7 ~~1009·6~~	100·7	75·9	60·4	19·7	...	29	...	1·3	...	0	1	1	1	2	10	9	6	
Panjgur	0000	3,177	903·1	...	900·2	65·7	54·8	52·4	10·3	...	47	...	1·7	...	6	6	1	0	3	7	4	3	
	0300	...	903·6	+0·5	901·5	64·5	54·2	50·3	10·3	—2·3	49	—14	2·2	+0·9	5	16	2	0	1	2	1	3	
	1200	...	901·3	...	897·8	87·4	67·8	53·4	15·1	...	34	...	3·4	...	2	0	1	0	1	15	3	8	
SIND (Upper)																							
Reti	0000	280	997·2	...	1007·0	75·2	69·0	65·2	21·4	...	72	...	0·7	...	4	5	3	2	6	3	4	1	
	0300	...	999·2	...	1008·9	80·7	73·7	70·0	25·2	...	70	...	1·0	...	2	7	1	1	8	3	2	2	
	1200	...	995·5	...	1005·0	103·2	83·6	80·8	30·3	...	42	...	1·4	...	3	4	0	3	2	2	7	4	
Jacobabad	0000	183	999·3	...	1005·8	76·8	60·8	45·5	11·0	...	35	...	1·8	...	1	2	5	3	5	1	1	6	
	0300	...	1001·4	+0·2	1007·8	85·6	63·5	47·7	10·1	—6·6	24	—22	1·7	+0·5	5	0	9	7	2	1	1	3	
	1200	...	997·6	...	1003·8	102·7	68·1	36·1	8·0	...	11	...	(b) 2·7	...	2	0	2	7	8	7	3	1	

(b) Mean for 29 days. (c) Mean for 28 days. (R) Register not received.
(b) Mean for 29 days.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF APRIL 1952—*contd.*

Sub-Division and Station	Hours of observation	Height of bar. cistern above mean sea level	Mean pressure: Station level reduced to standard temperature and gravity	Mean pressure: Departure from normal	Mean pressure: Reduced to standard temp. and M.S.L. or nearest 6pkm. level	Mean temperature of the air and humidity: Dry Bulb	Wet Bulb	Dew Point	Vapour Pressure	Departure from normal	Relative humidity	Departure from normal	Total cloud amount: Mean amount	Departure from normal	Wind direction, Number of observations from:— N	NE	E	SE	S	SW	W	NW	Calm
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	GMT.	Feet	Mbs.	Mbs.	Mbs.	°F	°F	°F	Mbs.	Mbs.	%	%	Oktas	Oktas									
SIND (Upper)—*contd.*																							
Sukkur	0300	221	999·7	—0·9	1007·4	77·0	67·4	61·0	18·7	+3·4	59	+8	1·9	+0·6	3	4	0	8	7	3	2	0	3
	1200	...	996·3	...	1003·6	101·7	74·8	59·1	17·1	...	25	...	2·4	...	1	5	1	3	2	7	6	4	1
Pad Idan	0000	153	1000·3	...	1005·4	74·8	63·6	55·2	15·1	...	52	...	0·7	...	2	3	1	8	5	2	1	0	8
	0300	...	1002·0	...	1007·2	76·6	67·0	58·1	18·3	...	59	...	1·3	...	3	3	0	7	6	3	3	1	4
	1200	...	998·9	...	1003·9	102·7	72·0	49·1	13·0	...	19	...	1·9	...	1	4	0	6	2	1	6	5	5
SIND (Lower)																							
Umarkot	0000	55	1004·4	...	1006·4	73·4	69·8	67·2	23·4	...	83	...	0·0	...	0	1	0	0	8	16	0	0	5
	0300	...	1005·9	...	1007·8	80·8	73·5	69·7	24·9	...	68	...	0·2	...	0	1	0	0	5	18	0	0	6
	1200	...	1002·2	...	1004·1	102·8	81·3	70·8	26·7	...	37	...	0·0	...	1	1	0	1	2	15	4	3	3
Chhor	0000	19	1005·7	...	1006·4	72·5	67·6	64·3	20·7	...	76	...	0·4	...	0	0	0	0	14	6	1	1	8
	0300	...	1007·4	...	1008·1	78·3	71·1	67·0	23·0	...	69	...	(c) 0·7	...	2	1	1	0	9	12	0	0	5
	1200	...	1003·4	...	1004·0	102·0	79·0	67·2	23·4	...	33	...	1·2	...	0	1	0	1	7	16	2	1	2
Hyderabad	0000	96	1002·6	...	1005·6	75·4	67·7	62·5	21·4	...	65	...	0·2	...	5	0	0	1	1	19	0	1	3
	0300	...	1004·3	+1·2	1007·6	78·3	69·0	62·6	19·9	+2·4	62	+10	0·2	—1·0	3	2	0	2	1	17	1	0	4
	1200	...	1001·6	...	1004·8	100·4	71·9	52·7	13·8	...	22	...	0·8	...	2	3	1	2	0	18	1	2	1
Karachi (Air Port) † ...	0000	73	1004·7	...	1007·2	74·8	70·0	67·2	22·8	...	77	...	0·6	...	0	0	0	0	0	3	10	1	16
	0300	...	1006·4	...	1009·0	78·7	71·6	67·3	23·3	...	70	...	1·3	...	2	0	2	1	0	6	8	1	10
	1200	...	1003·9	...	1006·4	89·1	74·7	66·6	22·6	...	49	...	1·2	...	0	0	0	0	5	18	7	0	0
Karachi (Manora)	0000	13	1006·7	...	1007·2	77·2	74·0	71·8	27·3	...	86	...	0·5	...	0	0	0	0	0	2	14	1	13
	0300	...	1008·3	—0·4	1008·8	79·3	74·9	72·7	26·1	+0·1	76	—7	1·8	—0·3	0	2	1	0	0	8	9	1	9
	1200	...	1006·0	...	1006·4	83·8	78·3	75·8	30·4	...	66	...	1·3	...	1	0	0	0	0	14	15	0	0
Badin	0000	31	1006·5	...	1007·7	78·2	70·2	64·6	21·6	...	65	...	0·0	...	1	0	0	0	0	15	0	0	14
	0300	...	1008·1	+0·3	1008·8	77·2	70·9	67·4	22·9	+0·6	71	+5	0·0	—1·2	0	0	0	0	0	22	1	0	7
	1200	...	1004·1	...	1005·1	100·6	70·5	50·6	12·0	...	18	...	0·0	...	3	1	0	0	0	20	0	2	4
HILL STATIONS (excluding Kashmir and Baluchistan)																							
Murree	0000	7,113	784·3	...	800·1	55·1	44·1	30·5	5·9	...	41	...	2·9	...	0	12	6	2	0	1	2	5	2
	0300	...	785·8	+1·7	801·5	60·5	47·1	32·0	6·3	—0·8	35	—14	3·7	+0·6	2	6	5	4	0	1	5	2	5
	1200	...	784·9	...	800·4	65·6	50·6	35·5	7·2	...	34	...	4·2	...	0	4	6	5	0	0	5	8	2
Chorat	0000	4,272	868·5	...	899·7	63·3	52·2	40·1	8·9	...	45	...	2·6	...	16	0	0	0	3	2	0	8	1
	0300	...	869·8	+1·0	900·9	65·6	53·5	41·4	9·1	+0·1	43	—11	2·5	—0·2	13	0	0	0	4	1	0	10	2
	1200	...	868·7	...	898·9	76·6	58·2	41·1	9·2	...	29	...	3·0	...	5	1	0	2	6	5	0	10	1
Drosh	0000	4,806	856·1	...	904·2	55·5	48·7	40·5	9·0	...	60	...	3·3	...	0	2	4	8	1	2	1	0	12
	0300	...	857·1	+2·2	905·2	56·3	49·3	41·3	9·1	+0·3	59	0	3·5	+0·4	0	2	2	1	0	2	1	0	22
	1200	...	852·8	...	899·2	72·2	54·7	34·4	7·6	...	27	...	4·1	...	2	4	2	0	0	8	5	1	8
Parachinar	0000	5,673	826·5	...	799·2	53·4	46·4	39·0	8·0	...	57	...	1·9	...	8	2	1	0	0	2	1	5	11
	0300	...	827·4	+1·5	800·5	60·9	51·0	42·3	9·1	+0·7	50	—8	2·1	+0·8	0	4	0	0	0	0	1	5	20
	1200	...	826·4	...	800·0	70·1	56·0	44·8	9·6	...	41	...	4·3	...	1	1	1	16	0	3	1	3	4
Wana	0300	4,503	860·8		898·9	61·9	52·9	44·9	10·1	+1·5	53	—6	2·0	—0·2	0	0	0	1	0	1	0	0	28
	1200	...	859·6		896·4	77·8	59·4	42·0	9·9		30		3·0		1	1	4	5	1	6	0	7	5

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

(†) Same observatory was previously designated as Karachi (Drigh Road).

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF APRIL 1952—*concld.*

Sub-Division and Station	Hours of observation	Height of bar. cistern above mean sea level	Mean Pressure: Station level reduced to standard temperature and gravity	Mean Pressure: Departure from normal	Mean Pressure: Reduced to standard temp. and M.S.L. or nearest Gpkm. level	Mean temperature of the air and humidity: Dry Bulb	Wet Bulb	Dew Point	Vapour Pressure	Departure from normal	Relative humidity	Departure from normal	Total cloud amount: Mean amount	Departure from normal	Wind direction, Number of observations from:— N	NE	E	SE	S	SW	W	NW	C
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	2
	GMT.	Feet	Mbs.	Mbs.	Mbs.	°F	°F	°F	Mbs.	Mbs.	%	%	Oktas	Oktas									
AFGHANISTAN																							
Jalalabad	0300	1,950	941·9	...	896·4	67·8	58·7	51·7	13·4	...	57	...	2·6		0	1	0	0	0	3	9	3	1
	1200	...	938·2	...	894·5	84·2	64·4	50·0	12·6	...	31	...	3·9	...	0	2	8	3	0	1	8	0	
Kabul	0300	5,955	822·6	...	804·4	55·1	47·4	39·9	8·4	+1·0	57	—2	3·8	+0·8	0	0	1	0	7	10	5	1	
	1200	...	820·2	...	802·6	68·2	52·6	38·2	7·9	...	34	...	5·0	...	10	9	1	2	2	3	1	2	
Kandahar	0300	3,462	892·6	...	898·5	60·6	54·4	48·9	11·5	...	67	...	1·8	...	0	0	0	0	0	0	0	0	
	1200	...	890·0	...	895·6	83·5	66·8	55·2	15·7	...	40	...	2·4	...	0	1	0	0	0	8	0	1	
IRAN																							
Jask	0300	13	1008·3		1008·7	75·8	71·9	70·1	24·9		81		0·8	—0·6	2	4	10	0	0	2	11	1	
	1200	...	1007·3	...	1007·7	86·0	80·6	77·8	33·3	...	78	...	1·0		1	0	2	0	1	9	17	0	
ARABIA																							
Muscat	0300	20	1009·0	...	1009·5	82·3	74·1	68·6	25·0	...	67	...	1·0	—0·3	1	2	2	0	3	2	4	7	
	1200	...	1007·6	...	1008·1	85·0	75·9	71·2	26·6	...	65	...	1·5		5	4	0	2	5	1	1	8	
Kuwait†	0500	16	1011·0	...	1011·6	77·2	66·5	59·1	17·5	...	55	...	2·4	...	3	3	1	3	4	5	3	3	
	1200	...	1009·0	...	1009·4	80·8	70·1	61·8	20·3	...	57	...	3·0	...	2	5	6	6	0	1	1	3	

† Observations recorded at 0500 hrs. G.M.T. instead of 0300 hrs. G.M.T.

(c) Mean of 28 days.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF APRIL 1952.

Sub-Division and Station	Maximum temperature of the air °F: Mean	Departure from normal	Highest	Date	Minimum temperature of the air °F: Mean	Departure from normal	Lowest	Date	Precipitation (inches): Total of the month	Departure from normal	Heaviest fall in 24 hrs.	Date	Days with 0·10" or more	Departure from normal	Wind velocity (Knots): Mean	Departure from normal	Weather Number of days: Thunder heard	Hail	Visibility code figure 93 or less: Fog	Haze	Dust-
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	2
EAST PAKISTAN (North)																					
Pabna	94·1	—2·7	107	12	72·8	+1·2	66	2	2·52	—0·03	0·76	23	6	+1·5	...	...	0	0	0	0	
Rajshahi	...	...	...	...	...	...	...	...	0·70	—0·95	0·40	19	2	—0·6	...	...	...	...	...	...	
Sirajganj	86·9	...	98	4 days	71·5	...	63	26	6·28	+3·01	1·79	24	7	+2·2	4·2	...	0	1	0	0	
Bogra	94·0	—1·6	107	12	72·1	+0·6	66	4	7·86	+5·62	1·92	19	7	+3·5	3·0	+0·6	10	0	0	0	
Dinajpur	92·7	—1·6	103	12	71·1	+1·1	63	4	4·52	+2·38	2·32	21	6	+3·0	3·0	—0·1	5	0	0	0	
Rangpur	...	...	...	...	...	...	...	...	4·36	+1·28	1·06	24	7	+2·6	...	...	...	...	...	...	
EAST PAKISTAN (East)																					
Cox's Bazar	90·2	+1·5	93	4 days	73·4	0·0	67	23, 29	7·10	+2·90	3·83	28	6	+1·8	3·7	+0·2	10	0	0	0	
Chittagong	88·4	—0·4	95	14, 15	73·6	+0·4	66	23	13·48	+7·55	4·95	28	8	+2·2	4·6	—2·0	14	0	0	0	
Noakhali	88·1	—0·9	94	14	72·9	—3·5	67	23	11·90	+16·43	3·40	28	9	+3·4	×	...	...	...	...	...	
Comilla	86·9	—5·4	99	14	72·2	—1·1	62	24	18·76	+12·91	4·61	22	12	+5·5	8·9	+4·6	0	0	0	0	
Narayanganj	92·0	—0·4	104	15	72·6	—1·4	65	17	7·79	+2·39	2·32	22	11	+4·3	×	...	0	0	0	0	
Brahmanbaria	92·5	—0·6	102	15	72·0	+1·8	65	24	8·88	+2·41	4·48	27	9	+2·1	3·6	...	8	0	0	0	
Srimangal	91·9	—0·2	101	15	69·6	+0·3	64	4	4·34	—5·37	0·90	19	9	—0·9	1·2	—2·4	15	0	0	0	
Mymensingh	93·1	+2·0	103	15	69·6	—2·1	64	2	3·76	—1·75	0·82	25	9	+1·9	2·9	+0·5	6	0	0	0	
EAST PAKISTAN (Deltaic)																					
Faridpur	92·3	—1·5	103	12	72·5	—0·5	63	22	8·29	+3·62	2·68	23	9	+2·7	2·0	—4·2	8	0	0	0	
Barisal	91·7	—0·3	101	15	74·6	—0·5	68	17	6·83	+2·60	1·88	28	9	+3·7	3·8	+0·7	6	0	1	0	
Khulna	93·9	—0·3	103	9, 11	74·5	—0·8	69	4,17,26	4·13	+1·22	1·37	26	7	+2·8	3·8	—0·1	3	0	0	0	
Jessore	95·5	—1·1	105	9	*	...	...	...	4·79	+1·26	1·95	26	6	+1·2	4·6	+1·8	3	0	0	0	
Satkhira	92·4	—4·6	103	11	74·4	—1·2	66	26	7·05	+4·12	2·70	26	6	+2·0	3·9	+0·8	0	0	0	0	

× Data not available. *Data rejected

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF APRIL 1952—*contd.*

Sub-Division and Station	Maximum temperature of the air °F				Minimum temperature of the air °F				Precipitation (inches)						Wind velocity (Knots)		Weather Number of days				
	Mean	Departure from normal	Highest	Date	Mean	Departure from normal	Lowest	Date	Total of the month	Departure from normal	Heaviest fall in 24 hrs.	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	Visibility Code figure 93 or less: Duststorm
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
KASHMIR																					
Srinagar*																					
Gulmarg*																					
Dras*																					
Skardu*																					
Gilgit*																					
Misgar	57·0	...	70	24	32·3	...	20	1	0·26	...	0·10	20, 27	2	...	4·9	...	0	0	0	0	0
Jammu*																					
Kargil*																					
Gurez*																					
NORTH PUNJAB																					
Lahore	99·7	+5·2	110	25, 26, 27	67·6	+4·4	57	2	0·05	—0·52	0·03	5	0	—1·6	2·8	+0·8	3	0	0	0	0
Sialkot	98·7	+6·3	108	26	72·5	+7·8	58	2	0·08	~~0·27~~ 0·92	0·08	5	0	~~—0·8~~ —2·1	2·7	+0·8	2	0	0	0	1
Jhelum	97·3	...	107	26	65·5	...	53	2	0·33	...	0·17	27	1	...	2·8	...	5	0	0	0	3
Rawalpindi	91·8	+5·6	104	25, 26	61·4	+2·1	50	2	0·16	—1·76	0·16	28	1	—3·1	2·7	+0·3	0	0	0	0	0
Khushab	99·2	+6·3	108	4 days	69·3	+2·6	56	2	0·13	—0·78	0·11	28	1	—1·1	5·0	+0·4	0	2	0	0	3
Lyallpur	97·9	+5·0	107	25, 26, 27	67·5	+3·6	56	2	0·00	—0·47	Trace	5, 6, 7	0	—1·3	3·0	+0·8	0	0	0	0	1
SOUTH PUNJAB																					
Montgomery	99·8	+4·1	109	18, 25, 26	69·4	+2·8	59	3	0·00	—0·34	0·00	...	0	—0·9	2·0	—1·3	0	0	0	0	0
Multan	101·9	+6·6	111	18, 25, 26	72·6	+5·1	61	1	0·00	—0·27	0·00	...	0	—0·8	2·6	+0·9	0	0	0	0	0
Fort Abbas	103·5	...	113	26	*	...	...	...	0·00	...	0·00	...	0	...	2·6	—3·4	0	0	0	0	0
Bahawalpur	102·6	+6·2	112	26	70·3	+4·9	59	2	0·00	—0·18	0·00	...	0	—0·5	1·7	—0·9	0	0	0	0	0
Khanpur	103·8	+5·1	114	26	70·3	+5·6	60	2	0·00	—0·25	0·00	...	0	—0·5	4·0	—0·1	0	0	0	0	0
N.-W. F. P. (Upper)																					
Chakdara	87·4	...	98	24, 25	58·5	...	47	2	1·15	...	0·60	19	2	...	*	...	3	0	0	0	0
Peshawar	90·1	+4·9	100	24, 25, 26	63·5	+3·0	50	1	0·75	—1·01	0·44	29	3	—0·8	3·5	+1·6	0	0	0	0	4
Landikotal	81·0	...	92	6 days	56·9	...	41	1	2·42	...	0·77	28	6	...	2·5	...	10	1	0	0	2
N.-W. F. P. (Lower)																					
Bannu	92·7	+4·3	103	26	67·3	+5·2	54	1, 2	0·80	—0·18	0·24	19	4	+1·5	3·6	...	1	0	0	0	1
Miranshah	86·3	+8·0	97	17, 25, 26	64·3	+7·1	51	1	1·85	+0·22	0·85	28	4	+0·1	(g) 4·6	+0·1	3	0	0	0	1
D. I. Khan	97·1	+4·5	107	25	*	...	...	...	0·00	—0·69	0·00	...	0	—1·7	2·5	+0·8	2	0	0	0	3

* Data rejected. × Data not available. (g) Mean for 24 days.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF APRIL 1952—*concld.*

Sub-Division and Station	Maximum temperature of the air °F				Minimum temperature of the air °F				Precipitation (inches)						Wind velocity (knots.)		Weather Number of days				
	Mean	Departure from normal	Highest	Date	Mean	Departure from normal	Lowest	Date	Total of the month	Departure from normal	Heaviest fall in 24 hrs.	Date	Days with 0·10" or more	Departure from normal	Mean	Departure from normal	Thunder heard	Hail	Visibility Code figure 93 or less: Fog	Haze	Dust-storm
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
BALUCHISTAN (North)																					
Fort Sandeman	84·1	+3·8	94	4 days	58·2	+3·7	45	1	0·75	—0·19	0·50	20	3	—0·1	×	...	0	0	0	0	0
Findubagh	78·3	...	88	24	49·7	...	38	1	×	...	...	...	×	...	×	...	0	0	0	0	0
Loralai ... (19). ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Barnai	...	...	...	...	...	...	...	...	0·27	—0·48	0·14	19	1	—0·9	...	...	...	...	...	...	...
Sibi	103·6	+5·9	113	26	73·7	+3·6	64	1	0·03	—0·08	0·03	1	0 ~~0·4~~	-0.4	3.2 ~~3·7~~	-1.1 ~~+0·9~~	0	0	0	0	0
Quetta	78·4	...	87	17, 25	46·0	...	36	22	0·39	...	0·26	5	1	...	3·7	+0·9	0	0	0	0	0
Quetta (Samungli)	79·5	...	87	25	44·6	...	33	21	0·06	...	0·05	5	0	...	4·7	...	4	0	0	0	1
Chaman	83·8	+5·2	93	24, 25	62·0	+6·0	49	6	0·64	—0·13	0·55	5	1	—1·0	5·3	+0·3	0	0	0	0	0
Nushki	91·4	...	100	24, 25	68·1	...	52	1	0·94	...	0·94	5	1	...	9·2	...	0	0	0	0	0
Kalat	75·2	+4·2	85	17	46·5	+3·0	36	21	0·64	+0·08	0·56	5	1	—0·8	5·2	+0·6	0	0	1	0	0
Dalbandin	91·9	+2·7	100	24	61·3	+3·4	50	5	0·25	—0·05	0·16	5	1	+0·3	4·1	—0·2	2	0	0	0	3
Nokkundi	95·7	+5·5	107	17	67·4	+4·3	57	2	0·00	—0·35	0·00	...	0	—0·4	5·5	—0·9	0	0	0	0	0
BALUCHISTAN (South)																					
Las Bela (R)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Ormara	90·7	+1·1	99	18, 23	74·2	+1·1	64	6	0·02	—0·58	0·02	6	0	—0·8	11·4	+1·8	0	0	0	0	0
Pasni	91·7	+1·0	107	18	69·4	+1·6	61	8	0·00	—0·40	0·00	...	0	—0·5	8·7	+2·1	0	0	3	1	5
Turbat	105·4	...	113	17, 24	70·1	...	58	9	0·00	...	0·00	...	0	...	5·5	...	0	0	0	0	0
Panjgur	89·6	+1·1	98	28	*	...	...	...	0·44	+0·05	0·44	6	1	+0·2	4·7	0·0	0	0	0	0	0
SIND (Upper)																					
Reti	104·9	...	115	26	71·9	...	62	2	0·00	...	0·00	...	0	...	5·6	...	0	0	0	0	0
Jacobabad	104·1	+4·5	114	26	74·0	+3·3	65	2	0·19	+0·02	0·07	6, 20	0	—0·5	5·9	+1·2	2	0	0	1	0
Sukkur	103·0	+4·8	113	18	73·6	+5·2	63	5, 7	0·00	—0·10	0·00	...	0	—0·4	2·6	—0·8	0	0	0	4	0
Pad Idan	109·8	...	114	25, 26	71·8	...	62	2	0·00	...	0·00	...	0	...	5·4	...	0	0	0	1	0
SIND (Lower)																					
Umarkot	106·0	...	114	28	72·0	...	65	8	0·00	...	0·00	...	0	...	6·4	...	0	0	0	0	0
Chhor	103·7	...	110	17, 23	70·9	...	64	4 days	0·00	...	0·00	...	0	...	5·9	...	0	0	0	3	1
Hyderabad	104·3	+2·5	112	23, 24, 26	74·0	+2·1	66	7	0·00	—0·07	0·00	...	0	—0·2	4·5	—1·1	2	0	0	0	0
Karachi (Air Port) ‡ ...	95·0	...	109	17	72·9	...	65	7	0·00	...	0·00	...	0	...	7·6	...	1	0	2	6	5
Karachi (Manora)	87·2	+1·8	93	2	76·9	+2·7	70	7	0·00	—0·15	0·00	...	0	—0·2	6·8	—1·6	0	0	0	5	1
Badin	103·7	+3·3	114	23	72·4	+2·3	62	10	0·00	0·00	0·00	...	0	0·0	5·5	...	0	0	0	0	0
HILL STATIONS (excluding Kashmir and Baluchistan.)																					
Murree	68·8	+3·5	79	26	52·7	+5·8	41	1	1·32	—2·81	1·07	28	1	—6·1	6·5	+1·3	3	0	0	0	0
Cherat	78·6	+6·5	91	25	60·3	+4·5	45	1	1·56	—1·22	0·98	19	3	—1·7	(g) 7·3	+0·2	3	0	0	0	0
Drosh	74·3	+5·4	87	16	53·3	+4·9	44	1, 2	3·82	—0·26	0·61	19	9	+0·9	4·2	+1·6	10	0	0	0	0
Parachinar	74·4	+5·7	83	4 days	51·2	+3·9	38	1	3·25	—0·78	0·73	28	7	—1·7	3·3	+0·9	11	1	0	0	0
Wana	82·0	+5·3	92	17	52·7	+3·1	40	1	1·29	—0·08	0·60	5	3	—0·8	3·1	...	0	0	0	0	0
AFGHANISTAN																					
Jalalabad	88·0	...	100	23	60·9	...	45	1	1·24	...	0·38	19	3	...	3·0	...	4	0	0	0	0
Kabul	71·6	+6·3	82	16, 25	47·1	+4·4	36	1	2·89	—0·41	0·85	19	8	+1·7	3·4	+1·4	6	2	0	0	0
Kandhar	87·9	...	96	15, 23,	52·2	...	42	8	0·22	...	0·17	5	1	...	1·0	...	0	0	0	0	0
IRAN																					
Pashk	87·0	+0·4	96	24	72·4	0·0	63	3	0·00	—0·24	0·00	...	0	—0·5	9·4	+2·2	0	0	0	2	1
ARABIA																					
Muscat	88·7	+0·4	104	25	79·0	+0·3	73	3, 5, 6	0·02	—0·32	0·02	27	0	—0·8	4·2	+0·8	0	0	0	0	0
Kuwait †	85·0	...	103	10	68·5	...	60	24	3·01	...	1·59	23	3	...	4·7	...	0	0	0	0	0

† Observation recorded at 0500 instead of 0300 hrs. GMT. (R) Register not received. × Data not available. * Data rejected. (g) Mean of 24 days.

‡ Same observatory was previously designated as Karachi (Drigh Road).

GPPK—27 Met. Service.—23-9-58—200.

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WEATHER BUREAU

PAKISTAN WEATHER REVIEW, 1952

MONTHLY WEATHER REPORT

MAY

PUBLISHED BY THE AUTHORITY OF THE GOVERNMENT OF PAKISTAN

Chief Features :—(1) Advance of monsoon in East Pakistan.

(2) Two depressions in the Bay of Bengal.

(3) Ten western disturbances across West Pakistan.

(4) Heat wave over Sind and Baluchistan.

West Pakistan :—Ten western disturbances affected the region.

The trough of low induced by a previous western disturbance moved away northeastwards after causing local thundershowers in the North-West Frontier Province and the north Punjab and isolated in the upper Sind on the 1st.

The first western disturbance moved across north Baluchistan and upper Sind into the Indian region while its primary affected the extreme north of the region. It was responsible for scattered dust/thunderstorms and light rain/drizzle over West Pakistan outside lower Sind and south Baluchistan between the 3rd and 5th. According to press reports, Bahawalpur and Baghdadul-Jadid were hit by a severe dust and hailstorm followed by heavy rain on the 4th evening. All telegraph, telephone and electric lines were cut off. Several roads were blocked due to falling of trees and mud walls of collapsed houses.

The next two disturbances were more active and were responsible for well marked rain/thundershower activity over the North-West Frontier Province and the Punjab between 9th and 11th and slight activity over north Baluchistan on the 10th and 11th.

Duststorms or dust-raising winds were experienced elsewhere over the region. The fourth western disturbance caused a few thunderstorms/showers over the North-West Frontier Province and the north Punjab on 13th and 14th and scattered duststorms in north Baluchistan and upper Sind on the 14th. The fifth, seventh and eighth western disturbances moved across the extreme north of the region causing scattered dust/thunderstorms or light rain over the north Punjab between 15th and 17th and over the north Punjab and the upper North-West Frontier Province on the 23rd and 24th. The sixth one, however moved across Baluchistan and the Punjab between 18th and 20th and caused scattered dust/thunderstorms in the North-West Frontier Province and the Punjab.

The last two western disturbances were responsible for well marked thunderstorm or shower activity over North-West Frontier Province and the north Punjab and scattered dust/thunderstorms over the upper Sind, south Baluchistan and the south Punjab on the 27th and 28th. The last one finally moved into the Indian region on the 29th after causing local to fairly widespread dust/thunderstorm and a few showers in the north Punjab and the North-West Frontier Province.

A heat wave swept over south Baluchistan and lower Sind for two days by the middle of the month. It was caused by hot and dry north westerly winds in the rear of the fourth western disturbance. The highest maximum temperature of 114°F was recorded at Karachi on the 13th.

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

Hyderabad 1" on 1st ; Drosh, Parachinar 1/4" each on the 3rd ; Drosh 1/2" on 4th ; Bahawalpur 1/2", Drosh 1/4" on 5th ; Landikotal ¼" on 9th, Cherat, Parachinar ½" each ; Rawalpindi, Murree, Fort Sandeman ¼" each on 10th;" Lyallpur, Khushab ½" each; Montgomery, Miranshah, Fort Sandeman ¼" each on 11th ; Murree ¾" on 29th.

The mean actual rainfall was normal over lower Sind, in moderate defect over the north Punjab and in large defect elsewhere. Averaged over the region outside Baluchistan, it was in moderate defect.

The mean maximum temperature was above normal over the north Punjab, south Baluchistan and lower North-West Frontier Province and normal elsewhere. The mean minimum temperature was above normal over the north Punjab and lower North-West Frontier Province and normal elsewhere.

The air was more humid than normal over the south Punjab and less humid over Baluchistan and upper Sind.

Skies were clouded as usual over the region.

East Pakistan :—Two low pressure waves moving eastwards across East Pakistan during the first week caused pronounced rain/thundershower activity over the region on the 2nd and again from 4th and 6th and light to moderate activity on the rest of the days.

According to available press reports, about two hundred houses were blown up in a tornado which swept over a part of Faridpur district on the 4th afternoon. Besides destruction of the standing crop, one person was killed and over two hundred received injuries.

Monsoon advanced temporarily into East Pakistan during the second week and remained fairly active throughout the week and caused locally heavy falls on the 14th. It, however, withdrew in the beginning of the second fortnight due to the formation of a depression in the south-east Bay of Bengal, on the 16th. Two low pressure waves caused scattered rain/thundershowers in the northern sub-division. The depression weakened into a trough of low by the 19th but the next day another depression formed in the southwest Bay of Bengal. It intensified into a storm and crossed the Circars coast by the 22nd night when monsoon advanced afresh into East Pakistan and continued fairly active till the end of the month with locally heavy falls on the last day.

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

Srimangal 2" on 2nd ; Comilla 2" on 4th; Bogra 2" on 6th; Comilla 2" on 8th; Khulna 2" on 10th ; Comilla 5" ; Chittagong, Narayanganj, 3" each, Brahmanbaria and Barisal 2" each on the 14th ; Cox's Bazar, Faridpur, 3" each on 24th ; Rangpur 2" on 26th ; Rangpur 3", Dinajpur 2" on 28.

The mean actual rainfall was in slight excess over the northern sub-division and normal elsewhere. Averaged over the region as a whole, it was normal.

The mean maximum and minimum temperatures, mean relative humidity and cloudiness were all normal everywhere except maximum temperature in the Northern sub-division which were below normal.

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

TABLE I.—DIVISIONAL AND SUB-DIVISIONAL MEANS—MAY, 1952

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		°	°	Mbs	%	
East Pakistan	9·80	9·58	+0·22	+2	—1·1	+0·2	+0·5	0	+0·4
Mean of East Pakistan	9·80	9·58	+0·22	+2	—1·1	+0·2	+0·5	0	+0·4
Punjab	0·30	0·59	—0·29	—49	+2·0	+1·6	+1·1	+1	+0·3
N.-W. F. P.	0·24	0·71	—0·47	—66	—0·1	+1·6	—0·7	—3	+0·3
Baluchistan	0·07	0·24	—0·17	—71	+0·9	+0·5	—1·4	—7	—0·2
Sind	0·23	0·15	+0·08	+53	+2·3	+1·0	—1·2	—4	—0·3
Mean of West Pakistan excluding Baluchistan	0·27	0·45	—0·16	—35	+1·7	+1·4	0·0	—1	+0·1
East Pakistan (North)	9·02	7·91	+1·11	+14	—2·6	—0·3	+0·4	—1	+0·7
East Pakistan (East)	12·38	12·47	—0·09	—1	—0·6	+0·5	+0·7	+1	+0·5
East Pakistan (Deltaic)	7·65	8·12	—0·47	—6	—0·8	+0·1	+0·5	+1	+0·2
Kashmir*									
North Punjab	0·43	0·80	—0·37	—46	+2·3	+2·0	+0·2	—2	0·0
South Punjab	0·09	0·24	—0·15	—63	+1·4	+1·1	+2·6	+6	+0·6
N.-W. F.P. (Upper)	0·20	0·77	—0·57	—74	+0·1	+0·6	—1·3	—5	—0·5
N.-W. F.P. (Lower)	0·29	0·71	—0·42	—59	—0·2	+2·1	—0·5	—2	+0·5
Baluchistan (North)	0·09	0·28	—0·19	—68	—0·3	+0·3	—1·4	—7	+0·1
Baluchistan (South)	0·01	0·21	—0·20	—95	+3·5	+1·2	—1·4	—7	—0·9
Sind (Upper)	0·02	0·14	—0·12	—86	+1·1	+0·5	—5·7	—11	+0·7
Sind (Lower)	0.37	0·16	+0·21	+1·31	+3·1	+1·3	+1·8	+3	—0·7

*Data incomplete.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF MAY, 1952

Sub-Division and Statoin	Hours of Observation	Height of bar. cistern above mean sea level	Mean pressure: Stn. level reduced to standard temp. and gravity	Mean pressure: Departure from normal	Mean pressure: Reduced to standard temp. & M.S.L. or nearest Gpkm. level.	Mean temperature of the air & humidity: Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Total Cloud amount: Mean amount	Departure from normal	Wind direction, Number of observations from :—: N	NE	E	SE	S	SW	W	NW	Calm
1	2	3	4	5	5 (a)	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	GMT	Ft.	Mbs.	Mbs.	Mbs.	°F.	°F.	°F.	Mbs.	Mbs.	%	%	Oktas										
EAST PAKISTAN (North)																							
Pabna	0300					84·7	79·2	77·0	31·9	+0·7	77	—2											
Sirajganj	0000	49	1002·3	...	1004·0	76·3	75·3	75·4	29·2	...	95	...	4·5	...	3	3	9	5	1	0	0	2	8
	0300	...	1004·3	...	1006·0	81·9	78·4	76·5	31·7	...	85	...	6·0	...	1	1	9	16	0	0	0	0	4
	1200	...	1000·3	...	1002·1	83·6	78·2	77·9	30·8	...	77	...	4·2	...	1	0	4	20	0	0	0	0	6
Bogra	0000×	65	1002·1	...	1004·4	75·6	73·7	72·9	27·8	...	91	...	6·2	...	1	1	1	0	1	0	0	0	27
	0300	63	1003·9	+0·1	1006·0	81·1	76·4	74·3	29·1	+0·3	78	+1	5·6	+1·3	0	2	18	6	1	4	0	0	0
	1200	...	999·7	...	1001·8	85·4	78·6	75·5	29·6	...	71	...	4·0	...	0	0	13	14	0	3	1	0	0
Dinajpur	0000	123	1001·7	...	1005·9	74·5	72·3	71·1	26·8	...	90	...	4·9	...	4	8	4	1	0	0	0	0	14
	0300	...	1003·2	+1·5	1007·5	80·5	75·1	72·7	27·7	+0·1	76	—1	4·5	+0·1	0	4	16	0	0	0	0	0	11
	1200	...	999·3	...	1003·4	85·3	77·5	74·5	28·1	...	68	...	2·7	.	0	6	9	0	2	0	1	0	13
EAST PAKISTAN (East)																							
Cox's Bazar	0000×	10	1005·3		1005·6	78·4	76·4	76·0	29·7	...	91	...	4·2	...	0	2	14	4	5	1	0	0	5
	0300	38	1006·7	+0·9	1008·0	84·6	79·1	76·8	31·9	+0·5	77	—1	4·1	—0·3	0	0	0	6	10	1	0	0	14
	1200		1003·7	...	1005·0	84·8	79·5	77·1	31·9	...	77		3·0	...	0	0	0	2	11	2	0	0	16
Chittagong	0300	87	1003·8	—0·4	1006·7	84·5	77·9	75·0	30·3	—0·1	73	—4	4·2	—0·2	2	2	6	14	4	1	0	1	1
	1200	...	1000·6	...	1003·5	84·5	78·7	76·1	31·1	...	75	...	4·0	...	0	0	0	3	13	14	1	0	0
Noakhali (Maijdee) ...	0000	25	(h) 1003·3		(h) 1004·1	79·5	77·1	75·6	30·0		89		4·7		0	2	0	5	11	0	0	0	13
	0300		(g) 1005·2		(g) 1006·0	83·7	78·6	76·2	31·6	—0·2	(a) 79	0	5·0	+1·1	0	3	0	0	(e) 20	0	0	0	5
	1200		(F) 1002·1		(F) 1002·9	85·4	79·5	77·0	31·1		75		4·3		0	0	0	5	17	0	0	2	7
Comilla	0000	29	1004·4	...	1005·4	77·6	76·4	75·8	31·3	...	95	...	6·0	...	0	1	6	10	7	1	0	0	6
	0300	...	1005·4	—0·3	1006·5	83·1	78·4	76·1	31·3	+0·3	81	+6	4·2	+0·4	1	0	8	6	12	2	0	1	1
	1200	...	1002·2	...	1003·2	86·3	80·3	77·7	32·3	...	76	...	4·2	...	0	1	0	3	20	4	1	1	1
Narayanganj	0000	26	1003·6	...	1004·5	78·9	76·7	75·7	30·8	...	91	...	4·1	...	0	1	8	3	6	1	0	0	12
	0300	...	1004·7	—0·8	1005·8	85·4	79·0	76·0	31·5	+0·7	74	—3	5·4	+0·6	0	0	9	7	13	1	0	0	1
	1200	...	1001·2	...	1002·1	85·1	78·9	76·3	31·1	..	75	...	4·5	...	0	0	1	10	11	1	0	0	8
Brahmanbaria	0000	32	1005·1	...	1006·2	78·0	76·3	76·0	30·5	...	93	...	4·5	...	1	0	6	4	3	0	0	0	17
	0300	...	1005·7	...	1006·8	84·1	78·5	76·1	30·8	+1·9	77	+2	4·2	...	0	0	5	6	15	2	1	0	2
	1200	...	1002·7	...	1003·8	85·1	79·7	77·2	31·9	...	77	...	3·1	...	1	2	0	3	8	0	0	0	17
Srimangal	0000	69	1003·6	...	1004·0	74·0	73·1	72·3	27·3	...	95	...	5·3	...	0	3	2	2	5	1	0	2	16
	0300	...	1004·8	+0·1	1007·2	80·7	76·0	74·0	29·1	—0·7	80	—1	5·4	+1·2	1	5	5	9	6	0	0	0	5
	1200	...	1001·0	...	1003·3	83·0	78·0	75·9	30·5	...	79	...	5·2	...	1	3	2	2	6	0	1	0	16
Mymensingh	0000	62	1005·0	...	1007·3	72·2	70·5	69·5	24·8	...	93	...	5·7	...	0	0	9	0	0	0	0	0	22
	0300	...	1005·0	+0·2	1007·2	80·6	76·9	74·6	30·6	+2·0	85	+6	6·5	+1·3	0	0	17	1	0	0	0	0	13
	1200	...	1000·8	...	1003·1	84·4	78·5	75·7	30·0	...	75	...	6·9	...	0	0	15	0	0	0	0	0	16
EAST PAKISTAN (Deltaic).																							
Faridpur	0000	46	1003·5	...	1004·8	77·0	75·7	75·1	29·5	...	93	...	3·7	...	0	0	1	4	9	0	0	0	17
	0300	...	1005·1	+0·8	1006·5	84·3	79·4	76·8	31·6	+0·3	79	+2	4·8	+0·7	1	0	0	8	22	0	0	0	6
	1200	...	1001·2	...	1002·8	84·7	79·4	76·9	31·9	...	77	...	4·6	...	1	0	0	7	10	1	0	0	12
Barisal	0000	11	1004·3	...	1004·7	78·5	77·1	76·7	31·5	...	93	...	5·0	...	0	0	0	7	4	5	1	1	12
	0300	...	1005·7	—0·1	1006·1	85·8	80·1	79·7	33·1	+0·8	78	+3	5·1	+0·6	0	2	0	8	15	5	1	0	6
	1200	...	1002·4	...	1002·9	85·4	79·2	76·7	31·1	...	75	...	4·7	...	1	0	2	5	15	5	1	1	1

× The Observations at 0000 hrs. have been recorded from a distant site by P.B.O. staff.

(F) Mean for 25 days. (g) Mean for 24 days. (h) Mean for 23 days.

(e) Mean for 28 days

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF MAY, 1952

Sub-Division and Station	Hours of Observation	Height of bar. cistern above mean sea level	Mean pressure: Stn. level reduced to standard temp. and gravity	Mean pressure: Departure from normal	Mean pressure: Reduced to standard temp. & M.S.L. or nearest Gpkm Level	Mean temperature of the air and humidity: Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Total Cloud Amount: Mean amount	Departure from normal	Wind direction. Number of observations from:— N	NE	E	SE	S	SW	W	NW	Calm
1	2	3	4	5	5 (a)	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	2
	GMT	Ft.	Mbs.	Mbs.	Mbs.	°F	°F	°F	Mbs.	Mbs.	%	%	Oktas.										
Khulna	0000	16	1003·8	...	1004·3	78·2	76·9	76·6	31·3	...	93	...	3·1	...	0	3	1	13	1	1	0	1	1
	0300	...	1005·6	+0·4	1006·1	85·4	80·0	78·3	31·9	0·0	77	+2	4·1	—1·0	0	1	0	17	3	6	0	1	
	1200	...	1002·1	...	1002·6	86·2	79·5	77·0	31·5	...	74	...	3·4	...	0	1	0	23	2	1	0	0	
Jessore	0000	26	1003·5	...	1004·4	78·0	76·1	75·6	29·7	...	91	...	2·3	...	0	1	1	4	14	0	0	1	
	0300	...	1004·7	—0·1	1005·5	86·7	79·9	77·0	31·8	0·0	72	—5	3·6	—0·7	1	0	1	2	23	1	0	1	
	1200	...	1001·4	...	1002·3	88·8	79·1	75·0	30·1	...	65	...	4·7	...	1	0	1	4	25	0	0	0	
Satkhira	0000	16	1003·6	...	1004·2	78·4	76·5	75·0	29·7	...	91	...	4·8	...	0	6	0	9	1	2	0	1	
	0300	...	1004·9	+0·1	1005·5	86·9	80·7	78·2	33·4	+1·2	76	+2	5·4	+1·4	0	2	0	22	0	5	0	1	
	1200	...	1002·5	...	1003·1	86·5	79·9	76·2	32·6	...	74	...	6·0	...	0	7	0	22	0	1	0	0	
KASHMIR																							
Srinagar*	0000	5,205																					
	0300																						
	1200																						
Gulmarg*	0000	8,709																					
	0300																						
	1200																						
Dras*	0000	10,059																					
	0300																						
	1200																						
Leh*	0000	11,529																					
	0300																						
	1200																						
Skardu*	0000	7,505																					
	0300																						
	1200																						
Gilgit*	0000	4,890																					
	0300																						
	1200																						
Misgar	0000	10,190	699·9	...	709·0	41·2	34·8	25·2	5·0	...	55	...	3·0	...	0	0	2	0	0	0	2	0	
	0300	...	700·5	...	709·6	44·6	36·6	25·7	4·9	...	49	...	3·4	...	0	0	5	0	0	0	3	0	
	1200	...	698·1	...	706·9	57·8	41·6	19·2	3·9	...	25	...	4·0	...	0	0	21	0	0	0	10	0	
Jammu*	0000																						
	0300																						
	1200																						
Kargil*	0000																						
	0300																						
	1200																						
NORTH PUNJAB																							
Lahore	0000	702	976·7	...	1000·7	77·0	66·6	59·5	17·6	...	55	...	1·7	...	2	4	0	3	0	0	1	1	
	0300	...	978·2	—0·6	1001·8	87·7	71·6	62·1	19·2	+3·7	43	+7	1·6	+0·1	3	8	3	3	0	1	4	1	
	1200	...	975·3	...	998·2	103·1	76·7	61·6	19·4	...	27	...	2·3	...	2	5	1	1	1	0	7	4	
Sialkot	0000	830	972·5	...	1000·6	80·8	64·8	52·5	13·8	...	38	...	3·6	...	4	18	2	0	0	0	0	1	
	0300	...	973·6	—1·1	1001·2	88·9	68·6	54·8	14·7	—0·6	31	—7	2·8	+1·6	8	13	2	1	0	0	1	3	
	1200	...	970·8	...	997·6	103·5	72·9	52·7	13·7	...	19	...	3·4	...	2	2	0	0	0	4	6	9	

* Data not available.

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Sub-Division and Station	Hours of Observation	Height of bar. cistern above mean sea level	Mean Pressure: Stn. level reduced to standard temp. and gravity	Mean Pressure: Departure from normal	Mean Pressure: Reduced to standard temp. and M.S.L. or nearest Gpkm level	Mean temperature of the air and humidity: Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Total Cloud amount: Mean amount	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
NORTH PUNJAB—contd.	GMT	Ft.	Mbs.	Mbs.	Mbs.	°F	°F	°F	Mbs.	Mbs.	%	%	Oktas										
Jhelum	0000	765	975·2	...	1001·5	76·1	62·9	52·7	13·6	...	45	...	2·4	...	3	0	0	0	0	0	3	3	22
	0300	...	976·6	...	1002·3	87·7	66·6	50·5	12·8	...	29	...	1·6	...	2	2	2	0	3	1	3	10	8
	1200	...	973·1	...	997·8	102·3	71·4	49·2	12·3	...	18	...	3·5	...	0	1	0	2	4	6	7	9	2
Rawalpindi	0000	1,676	945·9	...	890·9	71·7	61·2	50·0	14·2	...	54	...	1·9	...	1	0	3	0	0	0	3	0	24
	0300	...	947·2	—0·3	893·5	85·0	64·9	50·4	12·9	—1·3	31	—2	1·5	—0·2	1	0	1	0	0	0	3	1	25
	1200	...	944·7	...	892·2	97·0	67·4	45·6	10·9	...	18	..	2·5	...	1	1	1	0	1	1	16	1	9
Khushab	0000	616	980·0	...	1000·9	78·5	63·8	51·7	13·7	...	40	...	1·1	...	4	13	7	1	0	0	3	3	0
	0300	...	981·3	—0·9	1001·9	90·3	68·2	51·6	13·7	—1·0	28	—6	1·0	—0·3	5	10	7	3	0	1	1	3	1
	1200	...	977·9	...	997·9	103·6	71·8	47·3	12·2	...	16	...	2·5	...	3	4	5	8	4	2	3	2	0
Lyallpur	0000	605	979·6	...	1000·5	77·5	64·1	53·8	14·4	...	45	...	1·5	...	5	6	4	4	3	1	1	2	5
	0300	...	981·2	—0·9	1001·8	84·3	66·7	53·9	14·4	0·0	36	0	0·9	—1·0	3	8	2	3	5	2	4	0	4
	1200	...	978·3	...	998·1	102·2	70·8	47·0	11·5	...	16	...	1·5	...	2	4	0	3	3	2	8	2	7
SOUTH PUNJAB																							
Montgomery	0000	558	981·1	...	1000·2	77·5	68·4	62·7	19·6	...	61	...	2·3	...	0	0	0	13	0	6	0	0	12
	0300	...	982·4	—1·1	1001·2	87·4	72·2	63·4	20·1	—1·0	46	—4	1·3	+0·4	0	3	0	18	4	2	0	0	4
	1200	...	979·6	...	997·8	103·7	78·0	64·9	21·1	...	29	...	3·5	...	0	1	0	11	0	1	0	0	18
Multan	0000																						
	0300	413	987·4	—1·1	1001·4	85·7	74·5	67·7	24·1	+4·0	57	+10	2·0	+1·2	3	1	0	1	4	7	0	6	9
	1200	...	984·4	...	998·0	106·0	82·8	72·3	27·7	...	36	...	2·5	...	2	1	0	1	2	12	2	7	4
Fort Abbas	0000	475	994·1	...	1010·4	80·9	65·5	51·9	14·7	...	40	...	0·4	...	1	3	1	3	4	7	0	3	9
	0300	...	994·1	...	1010·3	88·5	67·6	49·2	13·6	...	30	...	0·8	...	2	3	4	2	6	8	0	3	3
	1200	...	982·3	...	997·7	106·6	*	*	*	...	*	...	0·6	...	2	4	0	2	0	16	0	4	3
Bahawalpur	0000																						
	0300	384	988·3	—0·8	1001·3	84·4	72·6	65·5	22·0	+1·5	53	+7	1·0	—0·1	2	4	0	1	3	9	0	1	11
	1200	...	985·2	...	997·7	105·7	78·3	62·8	20·6	...	27	...	1·6	...	2	0	0	0	0	4	5	0	20
Khanpur	0000																						
	0300	297	991·6	—1·4	1001·7	86·8	74·1	67·3	23·0	+4·9	56	+13	0·8	+0·2	6	5	1	0	2	8	6	2	1
	1200	...	987·9	...	997·6	107·9	82·4	68·9	26·2	...	32	...	1·0	...	6	2	0	0	2	3	10	6	2
N.-W. F. P. (UPPER)																							
Chakdara	0000	2,197	928·4	...	893·1	68·1	59·0	51·7	13·4	...	57	...	1·7	...	1	1	5	3	0	0	3	3	15
	0300	...	979·7	...	895·0	77·0	62·3	51·8	13·2	...	42	...	1·4	...	3	9	2	0	0	1	1	4	11
	1200	...	926·6	...	892·8	91·2	69·2	57·0	15·5	...	31	...	2·8	...	5	2	2	4	1	7	2	3	5
Peshawar	a 0000	1,175	962·9	...	1003·0	73·2	59·4	45·6	11·1	...	39	...	2·7	...	2	1	0	4	11	7	3	0	2
	0300	...	964·2	—0·5	1003·6	84·4	65·4	49·6	12·8	—1·3	31	—5	2·0	—0·5	1	5	3	4	2	1	0	4	11
	1200	...	961·0	...	999·5	95·6	67·1	42·7	9·8	...	17	...	4·5	...	4	14	1	1	1	2	2	5	1
Landikotal	0000	3,503	888·1	...	895·0	67·6	57·9	50·0	12·5	...	55	...	2·3	...	1	0	0	0	0	0	0	7	23
	0300	...	889·0	...	895·8	77·0	61·9	50·1	12·9	...	40	...	1·8	...	0	0	0	2	0	0	0	13	16
	1200	...	886·8	...	893·4	85·9	67·0	54·6	14·9	...	35	...	3·6	...	1	7	0	5	0	5	0	7	6
N.-W. F. P. (LOWER)																							
Bannu	0000	1,264	958·6	...	1001·5	75·8	61·5	48·5	12·3	...	40	...	1·3	...	0	1	0	2	0	1	17	8	2
	0300	...	959·9	...	1002·2	82·6	66·1	53·7	14·5	+0·1	38	—1	0·8	—0·2	1	3	1	0	0	1	8	12	5
	1200	...	957·0	...	998·4	97·5	70·3	49·3	13·0	...	23	...	2·6	...	2	2	2	15	6	1	0	1	2

(a) Mean for today

* Data not available.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF MAY, 1952

Sub-Division and Station	Hours of Observation	Height of bar. cistern above mean sea level	Mean pressure: Stn. level reduced to standard temp. and gravity	Mean pressure: Departure from normal	Mean pressure: Reduced to standard temp. & M.S.L. or nearest Gpkm level.	Mean temperature of the air humidity: Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Total Cloud amount: Mean amount	Departure from normal	Wind direction. Number of observations from:— N	NE	E	SE	S	SW	W	NW
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
	GMT	Ft.	Mbs.	Mbs.	Mbs.	°F.	°F.	°F.	Mbs.	Mbs.	%	%	Oktas									
Miranshah	0000	3,026	903·8		895·8	79·3	63·4	52·1	12·8	...	39	...	1·5	...	1	6	5	5	4	6	2	2
	0300		904·1		896·1	79·1	63·9	52·7	13·5	+0·6	42	+2	2·0	+1·0	1	2	3	3	2	5	2	3
	1200		901·4		893·8	91·5	70·9	57·8	17·4	...	34	...	4·2	...	4	5	9	7	1	2	0	3
D. I. Khan	0000	570	981·4	...	1000·9	81·4	(a) 66·5	(a) 53·0	15·4	...	41	...	0·9	...	8	10	3	1	1	1	1	2
	0300	...	983·4	—0·2	1002·7	85·4	(a) 69·2	(a) 58·5	17·0	—2·2	41	—6	1·8	+0·8	6	6	1	0	0	1	2	0
	1200	...	979·1	...	997·7	103·2	74·8	57·7	16·5	...	23	...	1·2	...	5	8	5	2	3	1	0	1
BALUCHISTAN (North)																						
Fort Sandeman	0000																					
	0300	4,614	856·9	+0·5	897·5	73·7	58·0	43·6	10·1	+1·0	36	—18	2·3	+1·1	*	*	*	*	*	*	*	*
	1200	...	855·4	...	895·1	88·1	65·0	41·7	11·7	...	26	...	4·6	...	*	*	*	*	*	*	*	*
Hindubagh	0000	5,909	817·4	...	798·3	59·8	48·5	37·5	7·5	...	43	...	1·8	...	0	0	0	0	0	7	9	3
	0300	...	818·5	...	799·8	72·4	55·6	42·2	8·7	...	33	...	1·5	...	0	0	1	0	0	5	8	0
	1200	...	818·6	...	797·9	83·3	55·5	23·6	4·8	...	13	...	2·5	...	0	0	0	0	4	11	13	2
Loralai	0000	4,699	851·4	...	895·6	63·4	49·6	35·1	6·7	...	34	...	1·4	...	0	0	0	0	0	4	16	1
	0300	...	852·9	...	896·1	71·9	55·2	37·4	8·2	...	30	...	0·6	...	0	0	0	0	0	9	3	2
	1200	...	850·8	...	892·4	87·4	61·3	35·9	8·0	...	18	...	2·6	...	1	0	0	1	4	10	6	1
Sibi	0000	441	985·2	...	1000·0	85·3	66·0	50·8	12·7	...	31	...	1·5	...	1	0	0	3	0	0	0	7
	0300	...	986·7	—0·6	1001·4	90·3	69·0	53·9	14·1	+1·5	29	+1	2·0	+1·0	3	0	0	1	4	1	1	8
	1200	...	982·7	...	996·5	109·5	77·7	61·0	17·6	...	20	...	2·3	...	0	1	1	8	6	4	3	5
Quetta	0300	5,490	829·7	—1·8	793·7	67·8	58·9	52·1	13·7	+1·2	59	+5	0·9	—0·1	1	0	0	0	1	2	1	2
	1200	...	827·5	...	797·6	83·7	62·5	47·7	12·1	...	30	...	2·4	...	7	0	0	1	1	2	5	14
Quetta (Samungli)	0000	5,253	838·6	...	799·1	52·0	45·4	41·4	8·1	...	61	...	0·9	...	0	0	1	15	0	3	1	2
	0300	...	839·1	...	800·9	64·9	53·4	43·0	9·9	...	47	...	1·2	...	1	0	2	9	0	1	4	2
	1200	...	836·8	...	800·0	83·9	63·8	48·3	13·2	...	33	...	2·1	...	1	0	0	2	0	3	14	11
Chaman	0000	4,311	863·4	...	895·1	67·7	51·7	33·3	6·8	...	29	...	0·8	...	0	0	17	9	1	3	0	1
	0300	...	864·9	—1·5	896·4	76·7	56·9	34·1	7·8	—1·7	25	—8	0·6	—0·4	0	2	2	5	5	7	6	1
	1200	...	862·7	...	893·4	89·5	62·9	41·3	8·6	...	18	...	0·5	...	1	0	0	0	1	4	15	10
Nushki	0000	3,416	897·6	...	903·8	75·6	58·1	42·9	9·4	...	31	...	0·7	...	0	2	17	5	(a) 0	0	0	0
	0300	...	900·0	...	906·0	80·6	61·8	46·9	10·8	...	31	...	0·7	...	0	3	14	4	0	1	4	4
	1200	...	894·3	...	901·0	96·9	68·0	47·3	11·6	...	19	...	1·1	...	1	0	0	1	1	2	10	14
Kalat	0000	6,616	798·0	...	796·4	51·6	41·6	28·4	5·5	...	41	...	0·3	...	0	0	1	5	19	0	0	1
	0300	...	799·1	+0·2	797·5	64·1	49·2	33·0	6·5	—4·1	32	—12	0·3	—0·5	0	0	1	0	18	0	0	2
	1200	...	797·4	...	795·8	77·5	54·0	31·4	5·6	...	18	...	1·9	...	2	1	1	0	2	2	4	18
Dalbandin	0000	2,785	911·7	...	895·7	69·9	54·9	39·2	8·7	...	35	...	0·6	...	0	6	1	2	3	3	1	2
	0300	...	913·0	—0·4	897·2	77·3	58·1	40·8	8·8	—1·6	28	—4	0·7	—0·2	1	4	1	0	1	3	1	1
	1200	...	910·0	...	894·9	98·1	68·8	48·3	11·8	...	19	...	2·2	...	2	3	3	2	1	5	4	9
Nokkundi	0000	2,229	929·3	...	895·4	76·7	57·3	37·5	8·3	...	26	...	0·1	...	15	4	0	0	0	1	0	11
	0300	...	930·6	...	897·4	84·4	62·1	45·0	9·5	—6·0	24	—16	0·9	—0·1	9	6	2	3	1	1	1	8
	1200	...	927·4	...	895·6	99·9	70·6	49·3	13·5	...	21	...	2·1	...	9	0	0	1	2	1	3	15

(a) Mean for 30 days.

(*) Data not available.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF MAY, 1952

Sub-Division and Station	Hours of Observation	Height of bar. cistern above mean sea level	Mean pressure: Stn. level reduced to standard temp. and gravity	Mean pressure: Departure from normal	Mean pressure: Reduced to standard temp. and M.S.L. or nearest Gpkm level	Mean temperature of the air and humidity: Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Total Cloud amount: Mean amount	Departure from normal	Wind direction. Number of observations from:— N	NE	E	SE	S	SW	W	NW
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
	GMT	Ft.	Mbs.	Mbs.	Mbs.	°F.	°F.	°F.	Mbs.	Mbs.	%	%	Oktas									
BALUCHISTAN (South)																						
Lasbela	0000	292	993·5		1003·5	89·0	74·5	70·5	26·7	...	76	...	1·1	...	0	0	1	0	0	0	0	0
	0300	...	994·7	—0·3	1004·6	84·3	77.2	73·4	28·5	—1·1	71	—4	0·5	—0·9	2	0	0	0	0	1	0	1
	1200	...	989·7		999·3	105·7	79·7	65·7	22·8	...	29	...	0·8	...	0	0	(b) 0	16	1	7	0	2
Ormara	0000	15	1001 9	...	1002·4	82 1	78·5	76·4	31·7	...	85		0·0	...	0	1	0	0	1	0	16	0
	0300	...	1003 5	...	1004·0	83·5	77·4	74·1	29·0	—1·6	75	—8	0·3	—1·7	1	2	6	2	0	0	18	0
	1200	...	1000 2	...	1000·7	91·8	79·7	74·0	29·5	...	57	...	0·0	...	0	0	0	0	1	3	27	0
Pasni	0000	10	1002·9	...	1003·2	76·8	73·3	71·2	26·8	...	86	...	2·1	...	1	1	2	3	0	2	15	3
	0300	...	1003 8	—1·4	1004·1	82·5	76·1	70·1	27·7	—1·6	73	—8	1 6	—0·1	0	2	3	1	0	4	10	8
	1200	...	1002·1	...	1002·4	91·7	79·1	68·7	28·1	...	56	...	0·3	...	0	0	0	1	0	24	5	1
Turbat	0000	510	*	...	*	83 7	68 0	55·8	16 8	...	42	...	0 0	...	0	3	2	6	0	0	1	0
	0300	...	988·8	...	1005·5	89·9	73·9	64·2	21·4	...	44	...	0 0	...	1	9	4	0	0	0	4	2
	1200	...	983·5	...	999·5	111·5	81·0	63·9	21·6	...	24	...	0 0	...	0	4	0	0	0	7	14	6
Panjgur	0000	3,177	899·7	...	896·3	71·4	55·6	38·8	8·3	...	32	...	1·2	...	1	10	0	0	0	8	2	2
	0300	...	900·6	—0·4	898·2	72·0	56·4	40·0	9·3	—6·2	35	—9	0·5	—0·1	3	14	0	0	2	3	0	2
	1200	...	896·6	...	895·1	95·7	65·9	41·4	9·7	...	17	...	1·4	...	0	1	0	0	0	8	1	21
SIND (Upper)																						
Reti	0000	280	991·8	...	1001·5	79·4	72·0	67·3	23 5	...	68	...	0 6	...	1	8	3	2	3	4	3	1
	0300	...	993 6	...	1003·1	88·1	79·7	74·5	30 8	...	67	...	0 9	...	1	6	0	2	11	1	3	3
	1200	...	989 8	...	999 0	108 4	94·3	89 0	48 6	...	58	...	0 8	...	0	3	1	0	3	3	9	11
Jacobabad	0000	183	993·5	...	999 9	83 1	62·9	42·1	10 5	...	27	...	0 9	...	2	1	10	5	4	2	1	5
	0300	...	995 5	—0·8	1001·8	89 5	66·6	44·1	11·9	—11 8	24	—23	1 1	+0 6	1	1	7	10	5	1	0	5
	1200	...	991·5	...	997 6	109·7	70 5	34 8	7 8	...	9	...	1·3	...	2	1	3	4	8	3	7	3
Sukkur	0000	221																				
	0300	...	994·1	—1 0	1001·6	84 7	72 2	64·7	21·3	+0·4	53	0	1·2	+0 8	5	3	1	6	8	6	0	1
	120	...	990 5	...	997·7	108 5	77·1	58 7	17·3	...	21	...	0·9	...	1	2	1	3	9	7	4	4
Pad Idan	0000	153	995 0	...	1000·3	81·7	67 7	57·5	16 9	...	46	...	0·7	...	3	7	2	6	5	1	1	1
	0300	...	996 7	...	1002·2	88 7	71 4	60 0	18·1	...	40	...	0·8	...	0	7	0	8	5	5	1	0
	1200	...	993·2	...	998·2	109 9	73·3	45·8	11 6	...	13	...	1·1	...	6	3	0	2	6	1	3	2
SIND (Lower)																						
Umarkot	0000	55	999 4	...	1001·3	79 6	75·3	73 3	27·9	...	80	...	(b) 0·4		1	0	0	0	7	13	(b)3	0
	0300	...	1000 5	...	1002·6	86 4	79·4	76 6	31·1	...	72	...	(b) 0·4		0	0	0	0	2	21	(b)1	0
	1200	...	996·9	...	998·3	108 6	80 5	64·2	22·8	...	27	...	(b) 0·0		3	0	0	0	1	14	(b)6	0
Chhor	0000	19	1000·7	...	1001·4	79 0	76·0	74·4	29·3	...	87	...	0·7	...	0	0	1	0	7	20	0	0
	0300	...	1002 2	...	1002·9	84 0	78 9	76·5	31·4	...	79	...	0·8	...	0	1	0	0	3	23	2	0
	1200	...	997 8	...	998 4	107·3	83 0	71·6	27·3	...	56	...	0·0	...	0	1	0	0	0	17	12	1
Hyderabad	0000	96	997 8	...	1001·1	80 6	73·8	* 70·0	25·4	...	70	...	0·2	...	0	0	0	0	0	27	0	0
	0300	...	999·2	—1·4	1002·5	85·5	76·2	71·1	26·7	+3·2	63	+4	0·1	—0·4	1	0	0	0	0	27	0	1
	1200	...	996·2	...	999·3	105·8	75·1	56·1	15·9	...	21	...	0·3	...	1	2	0	2	0	24	1	0
Karachi (Air Port)	0000	73	1000·3	...	1002·8	81·0	77·2	75·0	30·1	...	83	...	1·8	...	0	0	0	0	1	11	9	1
	0300	...	1001·7	...	1004·2	84·3	78·0	74·1	29·8	...	73	...	2·5	...	0	0	0	0	0	10	17	3
	1200	...	999 0	...	1001·5	92·0	79·6	70·3	28·7	...	56	...	0·4	...	0	0	0	0	3	19	8	1

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

Sub-Division and Station	Hours of Observation	Height of barometer cistern above mean sea level	Mean Pressure: Stn. level reduced to Standard temp. and gravity	Mean Pressure: Departure from normal	Mean Pressure: Reduced to Standard temp. and M.S.L. or nearest Gpkm level	Mean temperature of the air and humidity: Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Total Cloud amount: Mean amount	Departure from normal	Wind direction. Number of observations from :— N	NE	E	SE	S	SW	W	NW	Calm
1	2	3	4	5	5(a)	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
SIND (Lower)—Contd	Ft	GMT	Mbs.	Mbs.	Mbs.	°F	°F	°F	Mbs.	Mbs.	%	%	Oktas										
Karachi (Manora)	0000	13	1002·2	...	1002·7	81·8	78·8	77·1	32·2	...	87	...	1·9	...	0	0	0	0	0	8	20	1	2
	0300	...	1003·6	—1·4	1004·0	83·7	80·0	78·0	33·4	+2·4	85	0	2·1	—0·5	1	0	0	0	0	8	17	1	4
	1200	...	1001·0	...	1001·4	87·4	82·6	80·4	36·2	...	80	...	0·8	...	0	0	0	0	0	14	17	0	0
Badin	0000	31	1002·5	...	1003·7	84·9	77·7	74·1	29·2	...	72	...	0·0	...	0	0	0	0	0	20	0	0	11
	0300	...	1003·7	+0·5	1004·7	83·5	77·0	70·5	28·2	—0·3	73	+3	0·0	—1·2	0	0	0	0	0	29	2	0	0
	1200	...	999·3	...	1000·2	103·3	75·6	58·8	17·4	...	25	...	0·0	...	0	0	0	0	0	25	1	1	4
HILL STATIONS EXCLUDING KASHMIR AND BALUCHISTAN.																							
Murree	0000	7,113	781·8	...	797·4	57·8	47·3	36·5	7·4	...	45	...	3·1	...	0	6	4	4	2	1	2	12	0
	0300	...	782·9	—0·5	798·4	64·8	50·9	37·4	7·7	—0·8	37	—4	2·5	+0·5	2	5	7	2	1	0	7	6	1
	1200	...	782·2	...	797·5	70·1	53·6	39·4	8·1	...	32	...	5·2	...	2	5	3	1	0	3	9	4	4
Cherat	0000	4,272	864·8	...	895·3	70·7	55·2	38·6	8·7	...	34	...	1·5	...	24	0	0	0	4	0	0	3	0
	0300	...	866·1	—0·1	896·6	73·1	55·6	40·0	8·1	—2·1	28	—13	1·5	—0·2	23	2	0	0	2	1	0	3	0
	1200	...	864·7	...	894·4	83·7	60·9	40·1	9·0	...	23	...	3·5	...	16	1	0	0	8	2	0	3	1
Dresh	0000	4,806	851·7	...	899·1	60·8	50·8	39·6	8·6	...	48	...	2·6	...	0	0	2	2	1	0	0	0	26
	0300	...	852·7	+0·4	899·9	64·0	53·2	42·5	9·5	—1·6	46	—11	2·1	+0·1	0	2	2	2	0	0	1	0	24
	1200	...	848·9	...	894·4	79·0	56·7	32·4	6·3	...	19	...	4·2	...	1	2	0	0	0	11	11	2	4
Parachinar	0000	5,673	823·4	...	796·5	58·7	50·2	42·4	9·3	...	56	...	1·3	...	4	6	0	3	0	1	0	6	11
	0300	...	824·4	+0·1	797·9	67·5	55·1	46·0	10·4	+0·6	45	—1	1·5	—0·3	0	3	0	5	1	1	0	2	19
	1200	...	823·4	...	797·6	77·2	62·2	52·1	13·7	...	43	...	4·1	...	0	2	0	19	0	1	0	3	6
Wana	0000																						
	0300	4,503	857·4	...	894·7	71·8	55·1	38·3	8·1	—2·0	31	—11	1·5	0·0	0	0	0	2	1	3	1	2	22
	1200	...	855·4	...	891·4	84·4	58·6	31·4	6·4	...	15	...	2·8	...	1	0	2	8	0	3	0	3	14
AFGHANISTAN																							
Jalalabad	0000																						
	0300	1,950	935·9	...	891·9	79·1	62·6	50·1	12·7	...	39	...	1·4	...	0	1	1	1	0	2	4	7	15
	1200	...	932·4	...	889·9	93·2	66·9	47·7	11·9	...	23	...	3·5	...	0	2	7	1	0	4	5	3	9
Kabul	0000																						
	0300	5,955	819·2	...	801·3	59·4	49·8	40·6	8·9	0·0	51	+4	2·0	+0·2	2	2	0	0	9	10	5	3	0
	1200	...	817·9	...	800·5	74·0	55·7	40·0	8·6	...	31	...	4·0	...	14	13	0	1	1	1	0	1	0
Kandahar	0000																						
	0300	3,462	888·6	...	894·1	69·0	58·7	50·0	12·7	...	53	...	0·6	...	0	0	0	0	0	0	0	1	30
	1200	...	886·4	...	891·9	88·7	68·7	55·3	15·9	...	35	...	0·6	...	0	0	0	0	0	9	0	0	22
IRAN																							
Jask	0300	13	1003·4	...	1003·9	82·7	77·2	74·2	29·4	...	77	...	0·5	—0·1	3	3	9	0	0	2	12	1	1
	1200		1001·9	...	1002·3	93·0	83·0	79·5	34·0	...	64		0·0	...	1	0	0	0	0	10	20	0	0
ARABIA																							
Muscat	0300	20	1004·0	...	1004·5	91·0	73·7	62·7	20·5	...	41	...	0·2	—0·4	2	0	0	2	2	1	7	8	9
	1200	...	1002·7	...	1003·2	92·9	77·1	69·7	20·6	...	46	...	0·5	...	3	3	1	1	1	0	5	16	1
Kuwait†	0600	16	1007·2	...	1007·8	83·5	70·7	61·5	18·3	...	50	...	(c) 1·0	...	3	3	0	1	(c)1	4	6	9	1
	1200	...	1004·9	...	1006·4	91·1	74·4	64·1	21·7	...	43	...	(c) 1·1	...	2	8	8	3	(c)1	0	0	2	4

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

(c) Mean of 28 days.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF MAY, 1952

Sub-Division and Station	Maximum temperature of the air °F				Minimum temperature of the air °F				Precipitation (Inches)						Wind velocity (Knots)		Weather Number of days				
	Mean	Departure from normal	Highest	Date	Mean	Departure from normal	Lowest	Date	Total of the month	Departure from normal	Heaviest fall in 24 hours	Date	Days with 0·10" or more	Departure from normal	Mean	Departure from normal	Thunder heard	Hail	Visibility Code figure 93 or less: Fog	Haze	Dust storm
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
EAST PAKISTAN (North)																					
Pabna	91·9	—2·9	96	1, 2, 31	75·4	+1·0	67	8	6·63	—0·72	1·31	30	13	+3·2	*	...	0	0	0	0	0
Rajshahi ...	...	...	...	...	...	...	...	...	0·80	—4·69	0·50	2	2	—5·4	...	...	2	0	0	0	0
Sirajganj ...	85·4	...	90	4 days	74·8	...	67	8	10·55	+2·47	2·73	30	12	+1·5	*	...	0	1	0	0	2
Bogra	90·2	—2·2	95	1, 23	73·8	—0·5	68	7	4·53	—3·87	1·18	14	8	—1·6	3·2	+0·8	17	0	0	0	0
Dinajpur ...	89·1	—2·7	94	22	72·8	—1·4	67	5	12·43	+5·09	2·50	28	15	+6·3	3·5	+0·5	14	0	0	0	0
Rangpur ...	...	...	...	...	...	...	...	...	19·16	+8·33	2·08	31	17	+5·5	...	...	0	0	0	0	0
EAST PAKISTAN (East)																					
Cox's Bazar ...	90·5	+1·7	94	20, 21, 22	75·6	—0·3	70	6 days	10·84	—1·90	2·68	24	15	+4·5	(a) 4·4	+0·8	17	0	0	0	0
Chittagong ...	89·3	+0·4	93	4 days	76·6	+1·1	69	2, 4	(i) 4·29	...	1·05	14	7	...	5·0	—1·4	15	0	0	0	0
Noakhali ...	88·8	—0·3	93	4 days	77·2	—0·4	68	4	10·28	—1·17	3·28	30	13	+2·5	*	...	...	0	0	0	0
Comilla ...	87·4	—3·7	93	18	77·2	+2·3	69	2	21·24	+8·85	5·30	14	14	+2·2	5·2	+0·8	* 0	0	0	0	0
Narayanganj ...	91·5	+0·4	97	21	76·6	+0·8	68	2, 9	8·25	—1·39	2·94	14	13	+2·0	*	...	1	6	0	0	0
Brahmanbaria ...	90·7	—1·3	95	20, 21	75·6	+2·8	67	7	10·48	—1·31	2·40	14	14	+2·3	*	...	9	0	0	0	0
Srimangal ...	90·5	—0·6	96	20	72·8	+0·6	64	2	15·76	—0·03	4·76	31	15	—0·3	2·0	—1·3	19	0	0	0	0
Mymensingh ...	88·1	—1·2	94	22	70·4	—3·8	64	2	7·72	—4·74	1·75	6	10	—3·0	2·7	+0·4	11	0	0	0	0
EAST PAKISTAN (Deltaic)																					
Faridpur ...	90·4	—1·3	94	21, 23	75·2	+0·3	68	2	11·91	+2·29	2·98	24	14	+3·0	2·5	—3·9	8	0	0	0	0
Barisal	91·6	—0·1	96	17, 21	77·2	+0·3	66	4	10·77	+2·52	2·15	29	11	+1·4	4·0	+0·9	7	0	0	0	0
Khulna ...	92·5	—0·4	95	7 days	77·0	0·0	68	8	8·56	+0·81	2·25	10	10	+0·3	4·1	—0·1	3	0	0	0	1
Jessore	94·0	+0·1	98	31	76·2	+0·4	70	6, 10, 12	3·71	—4·41	0·94	15	11	+1·9	4·7	+1·6	5	0	0	0	0
Satkhira... ...	93·0	—2·4	101	20	77·0	—0·4	68	15	3·28	—3·59	1·30	15	6	—2·2	3·5	+0·1	0	0	0	0	0
KASHMIR																					
Srinagar* ...																					
Gulmarg* ...																					
Dras*																					
Leh*																					
Skardu* ...																					
Gilgit*																					
Misgar	63·0	...	70	22	38·8	...	31	15	0·55	...	0·20	10	3	...	5·8	...	0	0	0	0	0
Jammu* ...																					
Kargil*... ...																					
Gurez*																					
NORTH PUNJAB																					
Lahore	106·4	+2·7	116	27, 28	75·3	+3·1	69	6	0·10	—0·49	0·10	10	1	—0·3	2·9	+0·9	7	0	0	0	4
Sialkot	105·3	+3·1	115	28	79·2	+4·9	69	6	0·15	—0·84	0·15	15	1	—1·0	3·3	+1·3	4	0	0	0	3
Jhelum	105·0	...	114	27	73·4	...	67	8	0·01	...	0·01	11	0	...	2·9	...	6	0	0	0	9
Rawalpindi ...	100·2	+2·5	112	27	68·8	+0·1	55	5	0·77	—0·48	0·40	29	3	+0·5	2·9	+0·6	4	0	0	0	0
Khushab ...	106·1	+2·4	116	27	75·9	—0·4	60	5	0·59	—0·17	0·55	11	1	—0·6	4·6	—0·2	1	0	0	0	4
Lyallpur ...	103·4	+1·0	113	27, 28	76·0	+2·1	65	5	0·54	+0·11	0·50	11	1	—0·2	2·9	+0·5	0	0	0	0	6
SOUTH PUNJAB																					
Montgomery ...	105·2	—0·2	114	27, 28	75·7	—1·2	68	11	0·24	—0·12	0·24	11	1	—0·1	2·3	—1·4	1	1	0	0	0
Multan	108·4	+3·6	116	24, 27, 28	79·9	+2·5	71	6, 7	0·00	—0·33	0·00	...	0	—0·7	2·6	+0·8	0	0	0	0	0
Fort Abbas ...	109·3	...	117	27, 28	**	...	...	...	0·00	...	0·00	...	0	...	3·0	—4·4	0	0	0	0	0
Bahawalpur ...	107·3	+1·1	116	27	76·8	+0·9	68	5, 16	0·00	—0·18	0·00	...	0	—0·5	2·5	—0·6	0	0	0	0	0
Khanpur ...	109·5	+0·9	116	24, 26, 27	78·2	+1·9	65	17	0·02	—0·15	0·02	3	0	—0·4	4·4	—0·5	3	0	0	0	2

* Data not available. (a) Mean for 30 days. ** Data rejected. (i) Rain fell for 22 days.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF MAY, 1952.—*contd.*

Sub-division and Station	Maximum temperature of the air °F.				Minimum temperature of the air °F.				Precipitation (Inches)						Wind velocity (Knots)		Weather Number of days				
	Mean	Departure from normal	Highest	Date	Mean	Departure from normal	Lowest	Date	Total of the month	Departure from normal	Heaviest fall in 24 hours	Date	Days with 0.10" or more	Departure from normal	Mean	Departure from normal	Thunder heard	Hail	Visibility Code figure 93 or less: Fog	Haze	Dust storm
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
N.-W.F.P. (UPPER)																					
Chakdara ...	94·5	...	106	27	65·5	...	58	10	0·37	...	0·13	28	3	...	4·9	...	3	0	0	0	5
Peshawar ...	97·1	+0·1	107	26, 27	71·0	+0·6	61	5	0·20	—0·57	0·18	10	1	—1·0	3·6	+1·3	9	0	0	0	5
Landikotal ...	88·7	...	98	26, 28	63·9	...	52	5	0·61	...	0·22	9	2	...	3·2	...	9	0	0	0	2
N.-W. F. P. (LOWER)																					
Bannu	99·0	—0·8	110	27	73·9	+2·4	63	5	0·27	—0·34	0·11	4	1	—0·5	3·7	...	0	0	0	0	4
Miranshah ...	93·0	+0·1	104	27	71·3	+1·9	63	5, 17	0·59	—0·55	0·27	11	2	—0·4	(a) 4·5	—0·2	1	0	0	0	1
D. I. Khan ...	103·5	0·0	115	27	×	...	...	...	0·00	—0·39	0·00	...	0	—1·0	2·8	+1·0	0	0	0	0	0
BALUCHISTAN (NORTH)																					
Fort Sandeman ...	92·0	+1·5	101	27	66·2	+2·3	59	11	0·52	—0·39	0·22	10	2	—0·1	×	...	0	0	0	0	0
Hindubagh ...	85·4	...	94	26	56·6	...	48	17, 18	*	...	...	...	...	...	6·7	...	1	1	0	0	1
Loralai	89·4	...	97	26, 27	60·3	...	52	15	0·22	—0·38	0·12	11	2	+0·7	4·6	...	5	0	0	0	0
Harnai	...	...	...	...	...	...	...	...	0·00	—0·50	0·00	...	0	—0·9	...	...	...	...	...	...	...
Sibi	110·6	+1·4	119	25	82·4	+1·1	75	16, 17	0·00	—0·14	0·00	...	0	—0·5	2·5	—1·6	0	0	0	0	1
Quetta	85·4	...	93	26	52·0	...	40	16	0·02	...	0·02	3	0	...	3·8	+1·4	0	0	0	0	0
Quetta (Samungli)	86·7	...	94	26	47·7	...	36	16	0·03	...	0·02	2	0	...	5·1	...	2	0	0	0	0
Chaman ...	90·2	—0·2	99	26	65·4	+0·3	54	14	0·02	—0·11	0·02	2	0	—0·4	5·7	+0·7	0	0	0	0	0
Nushki	98·7	...	107	25, 27	73·3	...	60	14	0·00	...	0·00	...	0	...	8·1	...	0	0	0	0	0
Kalat	80·5	—2·5	98	23, 26	50·4	—1·6	39	14, 16	0·08	—0·12	0·08	3	0	—0·7	5·5	+0·7	0	0	0	0	0
Dalbandin ...	99·4	—0·9	107	26	66·1	+0·1	53	14	0·00	—0·07	0·00	...	0	—0·2	5·0	+0·6	0	0	0	4	4
Nokkundi ...	101·2	—1·2	111	25	74·0	—0·5	57	13	0·00	—0·02	0·00	...	0	0·0	6·8	—1·2	0	0	0	0	0
BALUCHISTAN (SOUTH)																					
Las Bela ...	112·6	+6·6	121	30	×	...	...	...	0·04	—0·38	0·04	19	0	—0·9	3·1	+0·1	0	0	0	0	0
Ormara ...	95·0	+2·3	108	14	79·7	+0·2	76	1, 7, 16	0·00	0·00	0·00	...	0	0·0	13·1	+2·5	0	0	0	0	0
Pasni	95·8	+1·5	107	14	76·5	+2·3	72	1, 29	0·00	—0·01	0·00	...	0	0·0	9·6	+2·5	0	0	5	0	0
Turbat	113·3	...	119	21, 22	80·9	...	74	4	0·00	...	0·00	...	0	...	6·4	...	0	0	0	0	0
Panjgur ...	97·3	—0·6	106	26	*	...	*	...	0·00	—0·11	0·00	...	0	—0·3	4·3	—0·2	0	0	0	0	0
SIND (UPPER)																					
Reti	111·6	...	118	26	76·7	...	65	7	0·00	...	0·00	...	0	...	7·1	...	0	0	0	0	1
Jacobabad ...	110·9	—0·2	118	26	80·5	+0·7	72	17	0·05	—0·09	0·04	4	0	—0·4	7·2	+2·9	2	0	0	1	1
Sukkur	109·9	+2·5	117	23, 26	79·9	+0·3	73	17	0·00	—0·14	0·00	...	0	—0·2	2·9	—0·5	1	0	0	8	1
Pad Idan ...	111·5	...	118	9, 26	79·0	...	65	14	0·00	...	0·00	...	0	...	5·7	...	0	0	0	0	2
SIND (LOWER)																					
Umarkot ...	111·2	...	116	8, 23, 24	78·5	...	72	15	(b) 0·00	...	0·00	...	0	...	(c) 6·0	...	0	0	0	0	0
Chhor	109·7	...	115	23	78·3	...	74	4	0·00	...	0·00	...	0	...	7·9	...	1	0	0	3	1
Hyderabad ...	110·6	+3·6	117	2, 3	80·0	+1·8	72	1	1·10	+0·91	1·10	1	1	+0·6	6·7	—1·0	0	0	0	0	2
Karachi (Air Port)	98·3	...	114	14	80·1	...	76	12	0·00	...	0·00	...	0	...	9·7	...	0	0	0	3	0
Karachi (Manora)	90·3	+1·7	107	14	81·5	+2·5	79	1, 6	0·00	—0·06	0·00	...	0	—0·1	×	...	0	0	0	3	1
Badin	108·0	+4·1	116	23	77·9	—0·4	71	3, 16	0·00	—0·22	0·00	...	0	—0·2	7·7	...	0	0	0	0	0
HILL STATIONS EXCLUDING KASHMIR AND BALUCHISTAN.																					
Murree	73·5	—1·6	85	27	55·7	+0·1	46	5	1·58	—1·04	0·43	29	5	+0·2	6·9	+2·4	14	0	0	0	0
Cherat	87·1	+1·8	100	27	67·4	+1·0	55	10	0·51	—1·14	0·40	10	1	—1·7	×	...	9	0	0	0	0
Drosh	81·6	+0·1	94	26	59·0	0·0	50	5	1·51	—0·40	0·63	4	5	+0·5	3·8	+0·7	11	0	0	0	1
Parachinar ...	80·5	+1·0	90	25, 26	56·7	+1·1	48	5	1·95	—0·36	0·74	5	4	—2·7	3·3	+0·7	10	0	0	0	0
Wana	89·4	+0·5	100	27 27	60·7	+0·7	51	5	0·14	—0·68	0·14	5	1	—1·3	4·1	...	0	0	0	0	1

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

(b) Mean of 29 days. (c) Mean for 28 days. (n) Mean of 17 days.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF MAY, 1952—*contd.*

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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 storm
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
AFGHANISTAN																					
Jalalabad ...	95·9	...	105	26	69·3	...	58	5	0·54	...	0·44	10	2	...	2·8	...	3	0	0	0	0
Kabul	77·5	—0·7	89	28	50·0	—1·1	40	14	1·26	+0·41	0·43	3	4	+1·5	3·2	+1·2	14	0	0	0	2
Kandahar ...	91·8	...	99	25, 26	56·1	...	44	14	0·00	...	0·00	0	0	...	1·3	...	0	0	0	0	0
IRAN																					
Jask	94·4	+1·7	99	13	79·4	+1·2	75	2, 3, 11	0·00	—0·01	0·00	...	0	0·0	8·7	+1·5	0	0	0	0	0
ARABIA																					
Muscat	97·3	+1·0	107	26	86·6	+0·9	81	19	0·00	0·00	0·00	...	0	0·0	4·0	+0·8	0	0	0	0	0
Kuwait* ...	94·1	...	104	28	77·6	...	61	10	(c) 0·00	...	0·00	...	0	...	(c) 5·9	...	0	0	0	2	0

(*) Recorded at 0500 hrs. G. M. T. instead of 0300 hrs. G. M. T.
(c) Mean of 28 days.

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PAKISTAN WEATHER REVIEW 1952

MONTHLY WEATHER REPORT

JUNE

PUBLISHED BY THE AUTHORITY OF THE GOVERNMENT OF PAKISTAN

Chief features :—(1) A depression formed in the head Bay of Bengal.

(2) Eight western disturbances affected West Pakistan.

(3) A heat wave affected some districts of Upper Sind at the end of the month.

West Pakistan :—Two western disturbances moved across the extreme north of the region during the first week, the first one inducing a secondary over the Punjab on the 4th. They caused fairly widespread thunder-storms/showers in the north Punjab from 5th to 7th and local dust/thunderstorms with a few showers in the north Punjab on the 3rd and 4th and in the North-West Frontier Province and the south Punjab on the 5th.

Six western disturbances moving in quick succession during the last ten days of the month and caused a marked spell of wet weather and thunderstorm activity over the north Punjab from the 22nd till the end of the month and over the North-West Frontier Province between 21st and 28th. Of these six western disturbances, the third one appeared over Baluchistan on the 22nd and induced a secondary over north Arabian Sea the next day. It moved across the Punjab and its secondary moved across north Arabian Sea into the Indian region. It was responsible for scattered to local thunderstorms/snowers or dust/thunderstorms over Baluchistan between 22nd and 25th and isolated light rain in lower Sind on the 23rd.

According to available press reports, about fifty persons died in Rohri town during the fourth week due to a heat wave. The spell of excessive heat also took heavy toll of life among animals and birds.

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

Murree 1½", Sialkot, Rawalpindi 1" each, Lahore, Jhelum ¾" each on the 5th; Murree and Khushab ¼" each on the 6th; Rawalpindi 3", Jhelum 1", Sialkot, Khushab ¾" each, Murree ½", Lahore ¼" on the 22nd ; Turbat 1" on the 23rd; Landikotal, Turbat, Jiwani ½" each, Murree ¼" on the 24th; Sialkot ½" on the 25th; Jhelum 2", Sialkot 1½", Rawalpindi ½" on the 27th; Montgomery 1½", Leiah 1", Lyallpur ¾" on the 28th; Murree ½" on the 29th.

The mean actual rainfall was in large excess over the north Punjab and the lower North-West Frontier Province and normal over the south Punjab. It was in slight defect over lower Sind and in large defect elsewhere. Averaged over the region, outside Baluchistan, it was in slight excess.

The mean maximum and minimum temperatures were normal. The mean relative humidity was above normal in the north Punjab and the lower North-West Frontier Province and below normal in Baluchistan. It was normal elsewhere.

Skies were more clouded than usual in the south Punjab, the lower North-West Frontier, north Baluchistan and upper Sind and less clouded in the north Punjab, the upper North-West Frontier Province and lower Sind and normally clouded in south Baluchistan.

EAST PAKISTAN

Monsoon remained active over the region practically throughout the month, with locally heavy falls on the 12th , 17th, 18th and 29th. Its activity, however, was less marked between the 22nd and 25th due to the formation of a depression, at the head Bay of Bengal, with its central region near latitude 21°N and longitude 88½°E on the 25th morning. It moved inland into the Indian region by the same evening, thereby strengthening the monsoon activity over East Pakistan.

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

Comilla 4", Narayanganj 2" on the 1st; Comilla 3", Cox's Bazar and Rangpur 2" each on the 2nd; Comilla 4" on the 4th; Noakhali 3" on the 8th; Comilla 2" on the 10th; Narayanganj 3" on the 11th; Comilla 5" on the 12th; Noakhali 3", Narayanganj and Barisal 2" each on the 16th; Mymensingh 7", Noakhali 6", Narayanganj 5", Comilla 4", Cox's Bazar Satkhira and Sirajganj 3" each, Khulna and Bogra 2" each on the 17th; Dinajpur 6", Rangpur 4" on the 18th; Noakhali 3", Comilla and Barisal 2" each on the 19th; Rangpur 2" on the 20th; Sirajganj 2" on the 21st; Cox's Bazar 3" on the 26th; Cox's Bazar 4" on the 27th; Cox's Bazar 3", Chittagong 2" on the 28th; Khulna 5", Cox's Bazar and Chittagong 3" each, Jessore, Sirajganj and Bogra 2" each on the 29th; Chittagong and Comilla 4" each, Barisal and Bogra 3" each, Dinajpur 2" on the 30th.

The mean actual rainfall was in slight excess over the Eastern sub-division. It was normal over the remaining two sub-divisions taken separately and also over the region as a whole.

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

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

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TABLE I.—DIVISIONAL AND SUB-DIVISIONAL MEANS—JUNE 1952.

Division	PRECIPITATION				DEPARTURE FROM NORMAL OF				
							0300 hrs. G. M. T.		
	Actual	Normal	Departure from normal	Percentage departure from normal	Maximum temperature	Minimum temperature	Vapour pressure	Relative humidity	Cloud
1	2	3	4	5	6	7	8	9	10
	"	"	"		°	°	Mbs.	%	
East Pakistan	15·95	15·46	+0·49	+3	+0·8	+1·0	+0·7	—1	+0·1
Mean of East Pakistan	15·95	15·46	+0·49	+3	+0·8	+1·0	+0·7	—1	+0·1
Punjab	1·94	1·35	+0·59	+44	+0·4	+0·8	+1·3	+4	0·0
N.-W. F. P.	0·88	0·61	+0·27	+44	—0·4	+1·4	+0·6	+3	+0·5
Baluchistan	0·05	0·27	—0·22	—81	+1·4	+0·5	—0·9	—7	+0·1
Sind	0·28	0·43	—0·15	—35	+1·0	+1·3	+1·4	+2	—0·4
Mean of West Pakistan excluding Baluchistan	1·20	0·91	+0·29	+24	+0·5	+1·1	+1·2	+3	—0·1
Sub-Division	"	"	"		°	°	Mbs.	%	
East Pakistan ... ...(North)	13·11	13·21	—0·10	—1	+1·1	+1·8	+1·1	—4	—1·1
East Pakistan ... ...(East)	21·20	19·07	+2·13	+11	+0·8	+1·1	+0·8	—1	+0·4
East Pakistan ... ...(Deltaic)	12·03	13·14	—1·11	—8	+0·7	+0·4	+0·4	—1	+0·2
Kashmir *									
North Punjab	2·74	1·79	+0·95	+53	—0·2	+0·3	+1·8	+5	—0·4
South Punjab	0·61	0·60	+0·01	+2	+1·3	+1·6	+0·5	+2	+0·7
N.-W. F. P. ... ...(Upper)	0·00	0·31	—0·31	—100	0·0	+1·3	+0·1	0	—0·6
N.-W. F. P. ... ...(Lower)	1·31	0·76	+0·55	+72	—0·7	+1·5	+0·9	+5	+1·1
Baluchistan ... ...(North)	0·02	0·27	—0·25	—93	+1·2	+0·9	—1·5	—9	+0·2
Baluchistan ... ...(South)	0·09	0·21	—0·12	—57	+1·8	—0·6	+0·1	—5	—0·1
Sind ... ...(Upper)	0·00	0·20	—0·20	—100	+0·3	+1·1	—0·1	0	+0·8
Sind ... ...(Lower)	0·47	0·59	—0·12	—20	+1·4	+1·4	+2·4	+3	—1·2

* Data incomplete.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF JUNE 1952

Sub-Division and Station	Hours of Observation	Height of bar. cistern above mean sea level	Mean pressure: Stn. level reduced to standard temp. and gravity	Mean pressure: Departure from normal	Mean pressure: Reduced to standard temp. & M.S.L. or nearest Gpkm level	Mean temperature of the air & humidity: Dry bulb	Wet bulb	Dew point	Vpour 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.	Mbs.	Mbs.	Mbs.	°F	°F	°F	Mbs.	Mbs.	%	%	Oktas	Oktas									
EAST PAKISTAN (North)																							
Pabna	0300					85·5	81·0	79·0	33·5	+0·2	81	—3											
Sirajganj	0000	49	998·9		1000·6	79·9	78·8	78·4	33·4		96		6·8		0	0	6	6	4	0	1	0	13
	0300		1000·3		1002·0	84·3	80·7	79·3	34·0		85		6·0		0	0	9	8	5	0	1	0	7
	1200		997·2		998·9	84·6	80·4	78·8	34·3		83		6·1		0	0	4	5	6	1	2	0	12
Bogra ×	0000	65	998·3		1000·6	79·9	78·7	78·1	33·4		96		6·4		0	0	2	4	1	0	0	0	23
	0300	63	999·4	0·0	1001·5	84·6	80·1	78·3	33·5	+1·2	81	—4	5·6	—0·3	0	1	12	6	4	4	1	1	1
	1200		996·3		998·3	85·8	81·0	79·2	33·9		80		6·0		0	0	8	17	2	1	0	1	1
Dinajpur	0000	123	997·7		1001·9	79·8	78·3	77·8	32·6		93		4·4		0	4	1	0	0	0	0	0	25
	0300		998·8	+1·7	1003·0	84·3	79·8	77·7	32·4	+1·0	81	—5	4·2	—1·8	1	1	8	2	0	0	0	0	18
	1200		995·0		999·2	87·6	80·8	78·2	32·9		73		4·0		0	6	5	2	0	0	0	0	17
EAST PAKISTAN (East)																							
Cox's Bazar ×	0000	10	1001·9		1002·2	79·2	77·8	77·5	31·5		93		6·9		0	1	15	6	4	2	0	0	2
	0300	38	1002·5	+0·6	1003·8	82·8	79·3	74·3	33·0	+0·9	85	0	5·7	—0·4	0	0	0	10	5	2	0	0	13
	1200		999·7		1001·0	82·8	79·7	75·4	33·8		87		6·5		0	0	0	12	7	0	0	0	11
Chittagong	0300	87	999·9	—0·3	1002·9	83·4	78·7	76·7	31·3	—0·2	81	—2	6·3	+0·3	0	0	3	17	9	0	0	0	1
	1200		997·1		999·9	83·3	79·1	77·3	32·0		83		6·6		3	0	1	8	12	4	2	0	0
Maijdee Court ... ... (Noakhali)	0000	25	999·0		1000·8	81·1	79·1	78·2	32·9		91		5·1		0	(d) 0	0	5	9	0	0	0	13
	0300		1001·3	—0·4	1002·1	83·4	80·0	78·4	32·8	—0·3	85	0	6·3	+1·1	0	0	0	7	12	0	0	0	11
	1200		997·7		998·4	84·5	82·0	76·3	36·8		89		6·1		1	0	0	11	7	1	0	0	10
Brahmanbaria	0000	32	1001·1		1002·2	79·8	78·5	78·1	32·6		93		5·7		0	0	3	8	4	0	0	0	15
	0300		1001·7		1002·8	84·8	80·3	78·5	33·5	+2·9	81	+2	5·6		1	1	2	8	11	1	1	0	5
	1200		999·2		1000·3	84·8	80·4	78·6	33·5		81		5·8		0	0	0	3	7	0	0	0	20
Comilla	0000	29	1000·3		1001·3	78·9	78·0	77·6	32·3		95		7·0		0	0	5	17	4	0	0	0	4
	0300		1001·3	—0·3	1002·3	84·0	80·1	78·8	33·2	+0·8	83	+1	6·1	+0·7	0	0	7	9	11	0	1	1	1
	1200		998·4		999·5	85·4	80·7	78·9	33·5		81		6·2		2	1	2	7	12	1	3	1	1
Narayanganj	0000	26	999·7		1000·6	81·3	79·3	78·3	32·9		91		6·3		0	0	3	8	6	1	2	0	10
	0300		1000·6	—0·5	1001·6	85·5	80·6	78·4	32·7	—0·4	79	—6	6·6	+0·1	0	0	3	8	7	3	2	1	6
	1200		997·9		998·8	85·0	79·9	77·9	32·7		79		6·3		0	0	2	5	13	0	0	1	9
Srimangal	0000	69	999·7		1002·1	76·9	76·1	75·4	30·2		95		6·8		0	0	1	3	8	0	1	0	17
	0300		1000·5	+0·2	1002·9	81·6	78·5	77·2	32·5	+1·2	87	+1	6·5	+1·2	1	2	5	8	10	0	1	0	3
	1200		997·2		999·6	83·2	79·8	78·4	32·8		85		6·5		1	3	2	6	8	2	4	0	4
Mymensingh	0000	62	999·4		1001·6	80·3	78·9	78·4	32·6		83		6·7		0	0	13	0	0	0	0	0	17
	0300		1000·4	+0·1	1002·6	85·0	80·6	79·3	33·5	+1·7	86	0	6·7	0·0	0	0	11	0	0	0	0	0	19
	1200		997·0		999·1	85·5	81·2	79·4	33·5		83		6·1		0	0	13	0	0	0	0	0	17
EAST PAKISTAN (Deltaic)																							
Faridpur	0000	46	999·5		1001·1	80·0	78·9	78·5	33·5		96		5·9		0	0	2	6	7	1	0	0	14
	0300		1000·8	+0·8	1002·4	85·2	81·2	79·3	34·7	+0·8	83	—1	6·0	+0·3	0	0	1	6	12	1	1	0	9
	1200		997·8		999·4	85·3	80·9	78·7	33·9		81		6·8		1	1	1	8	7	0	0	1	11
Barisal	0000	11	1000·2		1000·6	80·8	79·3	78·9	33·7		93		6·8		0	0	0	7	5	2	0	0	16
	0300		1001·6	+0·3	1002·0	84·8	80·7	79·1	34·3	+0·6	83	—2	6·8	+0·8	1	1	5	8	8	4	0	0	3
	1200		998·7		999·1	84·3	80·2	78·8	33·2		83		7·4		0	1	3	11	6	2	2	0	5
Khulna	0000	16	999·6		1000·2	80·6	78·7	79·1	31·9		91		5·6		0	4	1	9	3	2	0	0	11
	0300		1001·2	+0·6	1001·8	85·9	81·6	79·8	34·7	+1·2	82	+2	5·6	—1·0	0	5	0	16	0	6	0	0	3
	1200		998·0		998·6	85·3	80·9	78·9	33·5		81		6·3		0	1	1	20	1	3	0	0	4

× The observation of 0000 hrs. have been taken from a distant site by P.B.O. staff.

(d) Data for 27 days.

Sub-Division and Station	Hours of Observation	Height of bar. cistern above mean sea level	Mean pressure: Stn. level reduced to standard temp. and gravity	Mean pressure: Departure from normal	Mean pressure: Reduced to standard temp. & M.S.L. or nearest 6pkm level	Mean temperature of the air and humidity: Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Total Cloud amount: Mean amount	Departure from normal	Wind direction, Number of observations from :— N	NE	E	SE	S	SW	W	NW	Calm
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
EAST PAKISTAN Deltaic—contd.	G.M.T.	Ft.	Mbs.	Mbs.	Mbs.	°F	°F	°F	Mbs.	Mbs.	%	%	Oktas	Oktas									
Jessore	0000	26	999·4		1000·3	80·1	78·9	78·8	33·4		96		4·4		0	1	3	3	10	1	0	0	12
	0300		1000·5	+0·2	1001·4	86·7	81·7	79·7	35·1	+1·3	80	—3	5·6	—0·2	1	3	0	4	18	2	0	0	2
	1200		997·9		998·8	86·0	81·2	79·6	33·9		80		6·1		0	1	0	2	24	0	0	0	3
Satkhira	0000	16	998·9		999·5	80·6	79·4	78·5	34·5		96		6·2		0	3	0	11	0	2	0	0	14
	0300		1000·7	+0·4	1001·2	86·4	81·8	79·6	34·7	—1·8	82	0	6·3	+1·0	0	2	0	18	1	4	0	2	3
	1200		998·1		998·6	87·1	81·4	79·3	34·2		78		6·7		0	12	0	15	0	0	0	1	2
KASHMIR																							
Srinagar *	0000	5,205																					
	0300																						
	1200																						
Gulmarg *	0300	8,709																					
	0300																						
	1200																						
Dras*	0000	10,059																					
	0300																						
	1200																						
Leh*	0000	11,529																					
	0300																						
	1200																						
Skardu *	0000	7,505																					
	0300																						
	1200																						
Gilgit*	0000	4,890																					
	0300																						
	1200																						
Misgar	0000	10,190	699·0		708·0	49·5	38·6	23·6	4·6		37		1·4		0	0	0	0	0	0	10	0	20
	0300		699·7		708·6	52·9	40·3	24·0	4·6		34		1·4		0	0	4	0	0	0	6	0	20
	1200		696·2		704·8	67·6	45·5	17·2	3·6		16		2·8		0	0	10	0	0	0	18	0	2
Jammu *	0000																						
	0300																						
	1200																						
Kargil *	0000																						
	0300																						
	1200																						
NORTH PUNJAB																							
Lahore	0000	702	973·0		996·8	80·9	73·0	68·9	24·0		67		1·6		1	5	1	5	2	0	0	2	14
	0300		974·6	+0·1	998·0	88·2	75·9	69·7	25·0	+3·1	54	+7	1·0	—0·6	0	2	3	13	2	1	5	0	4
	1200		971·1		993·9	102·5	79·2	67·5	23·4		33		0·7		2	2	1	4	2	2	9	4	4
Sialkot	0000	830	969·2		997·1	82·9	71·1	63·7	20·6		53		2·1		2	8	10	1	0	0	1	3	5
	0300		970·1	—0·4	997·7	88·4	73·4	65·1	21·3	—0·3	46	—2	2·2	+0·8	3	5	7	3	2	0	0	1	9
	1200		966·9		993·8	101·2	77·3	64·3	21·1		30		2·6		1	2	7	3	0	2	4	6	5
Jhelum	0000	765	971·0		996·9	80·8	70·8	64·8	21·2		59		1·5		0	0	0	6	0	1	0	0	23
	0300		972·7		998·2	88·3	72·7	63·6	20·4		45		1·4		0	0	3	11	2	0	2	0	12
	1200		968·9		993·6	101·1	76·9	63·4	20·6		31		1·7		1	0	5	7	5	5	2	0	5
Rawalpindi	0000	1,676	941·7		887·8	78·6	68·9	63·1	20·1		61		1·5		0	1	2	0	1	0	1	0	25
	0300		942·8	—0·3	889·5	78·7	72·3	64·2	20·8	+2·6	46	+9	1·6	—0·3	0	1	0	2	2	0	1	1	23
	1200		939·6		887·7	100·3	76·0	63·1	20·7		31		1·4		0	0	1	2	3	1	7	1	15

* Data not available.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF JUNE 1952

Sub-Division and Station	Hours of Observation	Height of bar. cistern above mean sea level	Mean pressure: Stn. level reduced to standard temp. and gravity	Mean pressure: Departure from normal	Mean pressure: Reduced to Standard temp. M.S.L. or nearest Gpkm level	Mean temperature of the air and humidity: Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Total Cloud amount: Mean amount	Departure from normal	Wind direction. Number of observations from :— N	NE	E	SE	S	SW	W	NW	Calm
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	GMT	Ft.	Mbs.	Mbs.	Mbs.	°F	°F	°F	Mbs.	Mbs.	%	%	Okts										
NORTH PUNJAB—contd.																							
Chushab	0000	616	975·4		996·2	83·5	73·4	68·0	23·6		60		0·9		2	7	10	2	2	3	2	1	1
	0300		976·8	—0·5	997·4	88·8	74·9	67·4	23·2	+2·4	50	+7	0·4	—0·9	1	5	11	5	2	2	3	1	0
	1200		973·2		993·1	105·1	78·9	65·5	21·8		29		0·7		1	4	6	6	6	4	0	2	1
Lyallpur	0000	605	975·5		995·9	82·8	71·6	64·6	21·4		56		0·9		0	0	5	6	7	2	0	1	9
	0300		976·6	—0·2	996·9	88·4	74·5	67·1	22·8	+1·4	49	+3	1·0	—0·8	1	3	3	5	9	4	1	1	3
	1200		974·2		993·8	99·7	78·2	63·2	23·2		36		1·0		1	2	3	4	9	5	2	1	3
SOUTH PUNJAB																							
Montgomery	0000	558	976·9		995·7	84·6	73·2	67·0	22·8		56		1·8		0	0	1	7	0	9	0	0	13
	0300		978·5	—0·3	997·1	89·3	75·7	67·9	24·2	—2·6	51	—6	1·7	+0·7	0	1	1	12	1	11	0	0	4
	1200		975·7		993·7	104·2	78·9	65·9	22·3		29		3·3		0	0	0	9	0	6	0	1	14
Multan	0300	413	982·4	—0·8	996·2	90·1	79·1	74·2	28·9	+2·0	60	+4	2·5	+1·7	0	1	2	2	2	14	0	1	8
	1200		980·1		993·4	108·2	83·4	71·9	27·7		33		0·8		2	1	0	3	4	13	0	1	6
Port Abbas	0000	475	986·7		1002·6	92·5	76·1	65·5	23·2		45		0·0		2	6	2	2	1	16	0	0	1
	0300		989·3		1005·3	93·2	75·8	66·1	22·5		42		0·0		2	6	2	3	1	15	0	0	1
	1200		978·5		993·9	107·9	*	*	*		*		0·0		0	2	0	4	0	23	0	1	0
Bahawalpur	0300	384	984·3	—0·3	997·2	89·6	79·7	75·3	30·1	+2·1	63	+7	0·6	—0·4	*	*	*	*	*	*	*	*	*
	1200		980·7		993·1	108·6	82·3	68·8	25·7		30		0·1		*	*	*	*	*	*	*	*	*
Khanpur (R)	0300	297																					
	1200																						
N.-W. F. P. (Upper)																							
Shakdara	0000	2,197	923·5		888·7	74·7	61·5	50·7	13·3		46		1·3		12	3	2	0	0	1	0	4	8
	0300		924·9		890·7	83·4	66·2	54·4	15·0		39		0·9		0	9	4	2	2	1	0	0	12
	1200		920·9		887·6	97·3	70·6	54·1	14·7		25		2·0		1	2	2	2	2	17	1	1	2
Peshawar	0000	1,175	957·2		996·6	80·4	64·7	51·6	13·8		39		1·5		2	2	0	0	2	5	2	4	13
	0300		958·7	—0·7	997·4	89·8	70·7	57·2	17·0	+0·1	36	0	1·1	—0·6	6	3	1	3	0	0	0	4	13
	1200		954·6		992·3	102·9	71·5	47·5	12·6		17		2·7		4	9	8	2	2	3	1	1	0
Landikotal	0000	3,503	883·6		890·4	78·2	68·9	62·0	20·3		60		1·6		0	2	0	2	0	0	0	8	18
	0300		884·8		891·5	85·8	71·6	63·3	20·7		49		1·3		1	6	0	1	0	0	0	17	5
	1200		881·6		888·1	95·8	80·5	73·7	29·3		50		2·5		0	2	0	13	0	0	0	14	1
N.-W. F. P. (Lower)																							
Bannu	0000	1,264	954·0		996·1	83·1	70·2	60·7	19·4		50		3·5		1	1	0	2	2	3	4	10	7
	0300		954·7		996·7	86·6	72·9	64·0	21·5	+2·4	49	+7	4·1	+2·7	1	1	1	4	1	2	8	7	5
	1200		952·0		992·6	102·0	74·0	54·0	16·0		23		5·0		3	3	3	16	4	0	0	0	1
Miranshah (R)	0000	3,026																					
	0300																						
	1200																						
D. I. Khan	0000	570	976·7		996·0	81·6	69·6	64·4	19·3		53		0·6		4	9	1	0	0	1	0	0	15
	0300		977·9	—0·2	997·1	88·6	75·9	69·8	24·8	—0·7	55	+2	0·5	—0·6	3	11	5	2	0	1	0	0	8
	1200		974·3		992·8	105·0	79·3	66·8	22·5		30		0·3		3	4	5	6	3	2	0	0	7
BALUCHISTAN (North)																							
Port Sandeman	0300	4,614	853·1	+0·8	892·8	81·2	63·8	50·7	12·9	+0·1	36	—18	0·9	+0·2	0	2	0	0	0	0	0	0	28
	1200		850·2		888·7	97·5	68·8	48·3	12·2		20		3·1		1	3	0	1	0	2	1	1	21
Quindubagh	0000	5,909	814·1		795·4	70·6	55·4	42·2	9·9		38		0·9		0	0	0	0	1	5	7	5	12
	0300		815·2		796·8	82·5	62·6	48·0	12·5		32		0·6		0	0	1	0	0	8	4	2	15
	1200		812·4		794·6	93·6	63·1	38·8	9·0		17		1·5		0	0	2	0	0	11	12	1	4
Sibi	0000	4,699	847·9		891·0	70·6	61·2	54·4	14·5		57		0·7		0	0	0	1	0	3	10	2	14
	0300		849·1		891·4	79·7	67·3	59·7	17·7		51		0·0		0	0	0	0	0	7	4	4	15
	1200		848·4		889·3	95·3	76·7	68·0	23·8		42		1·4		0	0	0	2	0	18	1	0	9
Jacobabad	0000	441	980·8		995·5	91·6	75·6	66·3	22·9		45		1·0		0	0	2	6	0	2	0	1	19
	0300		981·9	—0·3	996·5	94·6	78·5	70·7	26·0	+5·0	47	+7	1·4	+0·9	1	0	2	3	9	5	1	0	9
	1200		977·3		988·2	113·8	82·4	66·7	23·5		24		1·0		0	0	0	6	14	8	2	0	0

(R) Register not received * Data rejected

Sub-Division and Station	Hours of Observation	Height of bar. cistern above mean sea level	Mean pressure: Stn. level reduced to standard temp. and gravity	Mean pressure: Departure from normal	Mean pressure: Reduced to standard temp. and M.S.L. or nearest Gpkm level	Mean temperature of the air and humidity: Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Total Cloud amount: Mean amount	Departure from normal	Wind direction. Number of observations from :— N	NE	E	SE	S	SW	W	NW	Calm
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	GMT	Ft.	Mbs.	Mbs.	Mbs.	°F	°F	°F	Mbs.	Mbs.	%	%	Oktas										
BALUCHISTAN (North)—*contd.*																							
Quetta	0300	5,490	826·6	—1·2	796·3	76·1	62·2	52·2	13·9	—1·5	45	—9	0·8	+0·3	0	0	0	0	2	1	0	0	27
	1200		824.1		794·8	92·0	63·6	43·0	9·7		19		1·3		8	2	0	0	0	3	2	14	1
Quetta (Samungli)	0000	5,253	834·8		796·3	60·7	53·1	46·7	11·3		62		5·6		0	1	6	14	0	3	0	0	6
	0300		835·6		798·2	76·3	60·3	48·6	11·9		39		5·8		0	1	1	8	0	2	1	1	16
	1200		833·3		797·2	90·6	69·3	49·0	16·9		34		1·4		0	0	1	3	0	3	6	16	1
Chaman	0000	4,311	859·2		890·0	77·0	57·5	37·8	8·3		26		0·0		0	1	12	9	4	3	1	0	0
	0300		860·8	—0·8	891·0	86·0	62·0	41·3	9·3	—1·5	22	—6	0·0	—0·4	0	0	1	4	3	12	5	2	3
	1200		858·5		888·2	99·5	69·0	45·7	11·4		18		0·0		1	0	0	0	0	7	11	11	0
Nushki	0000	3,416	894·9		896·7	82·2	63·5	49·3	12·4		33		0·8		0	3	12	5	0	1	1	0	8
	0300		897·5		899·2	89·0	68·4	55·1	15·4		33		0·4		2	3	8	6	0	1	3	(b) 6	0
	1200		892·6		894·4	105·4	74·9	56·0	17·1		22		0·4		3	0	0	1	0	0	10	16	0
Kalat	0000	6,616	795·5		793·9	58·7	45·1	29·5	5·6		33		0·6		0	0	0	1	25	1	0	0	3
	0300		796·7	+0·9	795·1	71·7	53·3	36·5	7·4	—3·3	27	—13	0·4	—0·1	0	0	1	1	18	0	0	0	10
	1200		794·6		793·0	86·6	57·7	37·7	5·8		14		1·1		10	0	1	1	0	1	6	9	2
Dalbandin	0000	2,785	906·8		891·1	78·5	58·8	40·2	9·5		28		0·6		0	2	1	4	0	6	3	3	11
	0300		908·0	—0·4	892·5	85·2	61·8	41·5	9·1	—1·8	22	—6	0·9	+0·3	0	3	3	0	0	3	3	1	17
	1200		905·3		890·5	106·5	71·9	49·3	12·7		16		0·9		1	8	6	2	1	2	1	6	3
Nokkundi	0000	2,229	923·3		891·3	85·5	61·0	39·9	8·4		19		0·0		13	1	1	0	1	0	0	14	0
	0300		925·2		893·4	91·9	66·5	47·3	11·9	—7·3	23	—17	0·6	0·0	8	5	1	3	2	0	0	9	2
	1200		921·9		890·8	107·7	75·7	53·2	17·2		21		0·6		11	0	0	0	1	1	2	15	0
BALUCHISTAN (South)																							
Lasbela	0000	292	989·1		999·1	83·8	79·1	76·9	32·4		81		1·7		0	0	0	0	0	0	0	0	30
	0300		990·4	—0·1	1000·1	88·7	81·0	77·2	33·3	+2·6	71	—4	1·8	—1·3	1	1	0	11	1	2	0	0	14
	1200		986·1		995·7	103·1	81·8	70·2	26·9		37		0·8		0	0	0	25	2	3	0	0	0
Ormara	0000	15	997·8		998·3	85·2	81·6	80·2	35·1		85		1·1		0	0	3	1	0	2	17	0	7
	0300		999·1		999·6	86·4	81·6	79·5	33·9	+0·8	80	—4	2·9	—0·8	0	1	3	1	0	2	20	0	3
	1200		996·1		996·6	91·9	83·0	79·4	34·5		67		0·0		0	0	0	0	11	8	11	0	0
Pasni	0000	10	998·8		998·9	81·8	79·2	78·3	33·3		89		5·1		1	0	4	0	1	2	11	0	11
	0300		999·6	—0·2	999·9	86·3	81·1	78·3	33·9	+0·9	80	—3	4·1	+1·1	1	1	4	3	0	3	9	5	4
	1200		994·1		996·8	91·6	82·0	78·6	33·6		65		1·7		0	0	1	4	6	18	1	0	0
Turbat	0000	510	983·7		1001·1	85·3	77·7	73·7	28·8		70		0·5		0	1	1	2	2	3	1	1	19
	0300		983·9		1001·1	88·6	81·0	77·5	33·3		71		0·5		0	2	1	2	2	5	5	6	7
	1200		979·3		995·8	109·9	87·3	77·2	34·2		39		0·2		1	2	0	0	0	18	1	3	5
Panjgur	0000	3,177	895·9		892·2	78·0	64·0	50·0	14·7		45		1·1		3	3	0	1	0	5	5	11	2
	0300		896·7	+0·1	893·8	79·9	65·0	52·6	15·0	—3·8	43	—8	1·4	+0·8	4	5	2	0	0	5	3	10	1
	1200		894·8		891·4	101·0	67·1	39·2	8·8		13		2·0		2	1	1	1	1	3	2	19	0
SIND (Upper)																							
Reti	0000	280	987·6		997·1	86·4	79·6	76·4	31·4		72		0·5		0	1	2	0	22	3	1	0	1
	0300		989·2		998·7	89·7	81·8	78·1	33·2		70		0.8		1	3	0	0	17	8	0	0	1
	1200		985·1		994·2	111·2	88·8	79·0	29·8		39		0·0		1	3	0	2	12	8	3	0	1
Jacobabad	0000	183	989·2		995·5	88·1	75·2	68·0	23·7		52		1·0 (f)		1	1	10	11	7	0	0	0	0
	0300		990·9	—0·1	997·2	90·7	77·5	70·4	26·6	—4·7	54	—9	1·0 (d)	+0·4	0	0	7	13	7	1	1	1	0
	1200		986·5		992·6	111·5	78·8	56·0	18·7		20		0·5 (b)		0	0	0	6	18	4	1	1	0
Sukkur	0300	221	989·5	—0·6	997·0	87·1	78·9	75·3	3·1	+4·6	76	+9	1·7	+1·2	0	1	1	5	10	10	1	0	2
	1200		985·7		992·8	109·3	84·1	73·4	28·8		33		1·3		3	2	1	1	12	11	2	0	0
Pad Idan	0000	153	990·6		995·8	84·4	75·3	70·4	26·0		64		1·1		0	2	0	15	9	0	0	0	4
	0300		991·9		997·1	88·8	77·5	72·1	26·7		57		1·2		0	2	0	14	8	3	0	0	3
	1200		989·0		993·7	110·0	77·7	58·1	17·6		20		1·2		0	3	0	10	10	0	0	1	6

(b) Mean for 29 days. (d) Mean for 27 days. (f) Mean for 25 days.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF JUNE 1952

Sub-Division and Station	Hours of Observation	Height of bar. cistern above mean sea level	Mean pressure: Stn. level reduced to standard temp. and gravity	Mean pressure: Departure from normal	Mean pressure: Reduced to standard temp. & M.S.L. or nearest Gpkm level	Mean temperature of the air & humidity: Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Total Cloud amount: Mean amount	Departure from normal	Wind direction. Number of observations from :— N	NE	E	SE	S	SW	W	NW	Calm
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	GMT	Ft.	Mbs.	Mbs.	Mbs.	°F	°F	°F	Mbs.	Mbs.	%	%	Oktas										
SIND (Lower)																							
Umarkot	0000	55	996·0		998·0	82·6	79·3	77·8	32·6		85		2·0		0	0	0	0	2	23	1	0	4
	0300		997·4		999·3	88·3	81·9	79·2	34·3		75		2·0		0	0	0	0	0	28	0	1	1
	1200		993·7		995·5	104·7	83·9	75·1	30·0		40		1·7		0	0	0	0	3	18	2	0	7
Chhor	0000	19	997·3		998·0	83·0	79·7	78·5	33·0		85		2·7		0	0	0	0	6	22	0	0	2
	0300		998·5		999·2	86·5	82·0	80·0	35·2		82		4·1		0	0	0	0	5	23	1	0	1
	1200		994·5		995·1	103·2	86·5	80·1	35·4		50		1·7		0	0	0	1	3	22	4	0	0
Hyderabad	0000	96	994·0		997·3	83·5	78·4	76·3	30·8		79		0·7		0	0	0	0	0	29	1	0	0
	0300		995·2	—0·3	998·5	87·8	80·0	76·9	31·7	+3·6	69	+4	0·2	—1·8	0	0	0	0	0	30	0	0	0
	1200		992·7		995·9	102·0	80·8	70·7	26·5		38		0·5		0	0	0	1	0	29	0	0	0
Karachi(Air Port)†	0000	73	996·3		998·9	84·1	81·1	79·9	34·8		87		3·4		0	0	0	1	0	13	13	1	2
	0300		997·4		999·9	86·4	81·9	80·2	34·7		82		4·5		0	0	0	1	0	13	13	2	1
	1200		995·1		997·6	91·1	83·2	80·1	34·8		70		3·4		0	0	0	0	6	21	3	0	0
Karachi(Manora)	0000	13	998·3		998·7	84·7	81·8	80·7	35·8		87		5·7		0	0	1	0	0	9	17	1	2
	0300		999·3	—0·4	999·7	86·6	82·3	80·6	35·7	+2·2	82	—1	5·0	+0·5	1	0	0	1	0	9	14	3	2
	1200		998·7		997·4	88·8	83·8	81·8	37·3		80		4·0		0	0	0	0	1	17	12	0	0
Badin	0000	31	998·7		999·6	86·3	79·7	77·9	31·5		72		0·3		0	0	0	0	0	19	0	0	11
	0300		999·9	+1·1	1001·2	85·6	80·0	77·2	32·5	+1·5	78	+5	0·9	—2·2	0	0	0	0	2	26	0	0	2
	1200		995·8		996·8	99·1	80·2	71·1	26·3		41		0·1		0	0	1	0	0	27	0	0	2
HILL STATIONS EXCLUDING KASHMIR AND BALUCHISTAN																							
Murree	0000	7,113	779·7		795·1	63·3	53·5	44·6	10·5		52		3·0		0	0	1	7	2	1	5	11	3
	0300		780·8	—0·7	796·1	69·5	55·7	44·2	10·3	—1·9	41	—11	2·6	+0·4	2	1	2	5	0	0	8	5	7
	1200		779·7		794·8	75·3	59·3	45·9	11·5		38		3·4		1	0	3	4	2	0	7	11	2
Cherat	0000	4,272	861·5		891·5	77·6	63·4	53·5	14·2		45		1·6		6	2	0	0	13	3	0	3	3
	0300		862·7	0·0	892·5	79·9	65·2	55·3	15·3	+1·4	44	—1	1·2	—0·2	6	0	0	3	11	2	0	8	0
	1200		860·9		890·0	92·2	68·5	51·8	14·1		28		1·8		3	2	0	6	12	4	1	1	1
Drosh	0000	4,806	847·1		893·2	73·2	55·5	34·4	7·9		28		0·8		0	2	7	12	1	1	0	0	7
	0300		848·1	—0·5	893·8	77·4	58·2	38·8	8·8	—4·6	28	—22	0·7	—0·3	0	2	7	2	0	2	1	0	16
	1200		843·1		887·2	92·1	61·8	28·9	6·6		12		2·3		2	1	2	1	1	11	6	1	5
Parachinar	0000	5,673	820·6		794·3	67·3	55·9	46·1	11·2		48		1·3		8	6	0	0	0	0	1	4	11
	0300		821·1	—0·4	795·3	76·0	59·6	47·2	11·6	—0·4	37	—6	0·7	—0·7	0	1	1	1	2	1	3	3	18
	1200		819·1		794·0	86·0	64·5	47·4	13·0		31		2·9		0	2	0	23	0	0	1	1	3
Wana	0300	4,503	853·6		890·0	80·2	65·2	53·9	15·1	+1·9	43	0	0·5	—0·5	0	0	1	2	1	2	0	0	24
	1200		851·4		886·7	91·6	69·8	55·6	16·0		31		2·3		0	7	3	10	1	1	2	2	4
AFGHANISTAN																							
Jalalabad	0300	1,950	929·6		886·7	87·5	76·3	71·7	26·4		59		1·2		0	1	0	2	0	3	8	0	16
	1200		925·2		883·9	102·7	*	*	*		*		1·9		0	3	7	2	0	2	10	0	6
Kabul	0300	5,955	816·5		799·1	67·1	52·4	39·0	8·2	—1·1	37	—1	0·4	—0·2	1	1	0	2	4	4	9	9	0
	1200		814·9		797·9	82·2	61·2	38·5	10·9		29		2·4		14	12	0	1	1	0	0	2	0
Kandahar	0300	3,462	883·1		888·6	75·2	63·9	55·7	15·7		51		0·2		0	0	0	0	0	0	0	0	30
	1200		880·0		885·4	96·3	72·3	58·9	17·3		29		0·3		0	1	0	0	0	6	0	1	22
IRAN																							
Jask	0300	13	997·9		998·4	88·1	82·2	79·8	34·6		76		0·2	—0·6	5	0	11	0	2	4	4	2	2
	1200		997·0		997·4	95·1	84·9	81·2	36·2		65		0·0		1	0	5	0	1	11	11	0	1
ARABIA																							
Muscat	0300	20	998·1		998·6	90·1	82·1	77·5	33·7		70		0·2	—1·2	2	4	0	3	5	0	1	7	8
	1200		996·7		997·2	91·9	82·2	77·7	33·6		65		0·2		5	5	1	4	2	1	1	9	2
Kuwait ‡	0600	16	1002·8		1003·3	89·2	73·9	65·1	21·5		45		0·0		3	1	0	0	0	0	7	19	0
	1200		1000·8		1001·3	92·2	75·5	64·7	22·4		44		0·4		7	3	2	1	0	0	0	16	1

(†) Same observatory was previously designated "Karachi (Drigh Road)." * Data rejected. (‡) Observation recorded at 0600 instead of 0300 hours G. M. T.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF JUNE 1952

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	Visibility Code figure 93 or less: Duststorm
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
EAST PAKISTAN (North)																					
Pabna	92·1	+0·5	98	15	78·4	+2·8	72	3	6·94	—4·33	1·52	29	12	—2·5	×	...	0	0	0	0	0
Rajshahi ...									10.70	—0·52	3·30	18	9	—4·2	..	...	0	0	0	0	0
Sirajganj ...	86·5	...	93	14	77·9	...	71	1	13·74	+1·42	3·35	17	13	—1·3	×	...	0	0	0	0	0
Bogra	90·8	+1·0	99	15	78·2	+ 1·0	72	1	16·91	+3·87	2·77	30	18	+3·5	2·5	+0·4	16	0	0	0	0
Dinajpur ...	91·3	+1·8	99	15	79·0	+1·7	71	3,4	14·56	+0·92	6·20	18	11	—3·1	2·4	—0·2	0	0	0	0	0
Rangpur ...									15·80	—1·98	4·05	18	12	—3·7			0	0	0	0	0
EAST PAKISTAN (East)																					
Cox's Bazar ...	88·2	+1·9	92	14	76·3	—0·1	71	3	25·11	—6·03	3·73	27	23	+3·9	4·0	+0·1	10	0	0	0	0
Chittagong ...	87·3	+0·4	91	7 days	77·5	+0·7	71	2	×	—	—	—	—	—	5·0	—2·0	5	0	0	0	0
Maijdee (Noakhali)	87·9	+0·9	95	14	78·4	0·0	75	1,8,30	32·21	+11·65	5·85	17	22	+3·7	×	—	5	0	0	0	0
Brahman baria ...	90·9	+0·7	96	13, 14	77·8	+3·2	73	1	12·85	—1·70	2·50	4	15	—1·0	×	—	4	0	0	0	0
Comilla	87·8	—0·5	94	13, 14	78·3	+1·5	74	1	35·56	+17·28	4·80	12	21	+3·9	5·5	+0·4	0	0	0	0	0
Narayanganj ...	90·9	+1·7	97	14	78·5	+0·4	74	17	17·19	+4·80	5·03	17	12	—2·5	×	—	0	0	0	0	0
Srimangal ...	89·8	—0·1	95	14	76·5	+1·0	72	1	12·82	—6·04	1·66	16	20	—0·1	2·9	—0·3	13	0	0	0	0
Mymensingh ...	88·9	+1·1	98	15	79·0	+2·1	74	3	12·64	—4·96	7·32	17	16	—1·8	2·6	+0·4	0	0	0	0	0
EAST PAKISTAN (Deltaic)																					
Faridpur ...	90·4	+1·2	96	1, 15	78·2	+0·8	74	2	10·44	—2·35	1·59	30	14	—1·2	2·0	—4·5	6	0	0	0	0
Barisal	90·1	+1·3	96	4 days	79·2	+0·9	75	2	17·69	+1·64	3·40	30	17	+0·3	3·6	+0·6	10	0	0	0	0
Khulna	91·0	+0·4	97	1,7,15	79·1	+0·2	74	2,3	12·71	+0·25	4·87	29	15	+0·3	3·3	—0·6	1	0	0	0	0
Jessore	92·3	+1·6	98	1,15	77·9	0·0	72	2,4	10·94	—1·28	2·38	29	14	0	3·9	+0·9	5	0	0	0	0
Satkhira	90·8	—1·0	97	13	78·8	0·0	71	15	8·38	—3·82	2·58	17	15	+1·3	2·9	0·0	0	0	0	0	0
KASHMIR																					
Srinagar × ...																					
Gulmarg × ...																					
Dras ×																					
Leh ×																					
Skardu × ...																					
Gilgit × ...																					
Misgar	71·0	...	80	23	46·2	...	32	7	0·35	...	0·15	1,5	2	...	6·3	...	0	0	0	0	0
Jammu × ...																					
Kargil × ...																					
Gurez ×																					
NORTH PUNJAB																					
Lahore	106·2	+0·3	116	19	79·9	+0·9	65	7	1·33	—0·31	0·86	5	2	—0·8	3·8	+1·6	8	0	0	1	1
Sialkot	104·1	—0·9	114	18, 19	81·0	+0·7	61	7	4·12	+1·73	1·31	27	6	+2·5	3·4	+1·3	7	0	0	0	0
Jhelum	104·4	...	117	18	78·4	...	65	7	4·51	...	2·12	27	6		2·6	...	9	0	0	2	4
Rawalpindi ...	103·1	—0·4	118	19	76·7	+0·8	64	7	4·40	+2·09	2·57	22	4	+0·7	2·5	+0·4	6	1	0	0	1
Khushab ...	107·5	+0·9	119	18, 19	81·5	—0·8	65	7	1·96	+0·55	0·78	22	5	+2·7	5·4	+0·4	5	0	0	0	3
Lyallpur	105·2	—0·8	117	19	81·4	—0·3	65	7	1·91	+0·69	1·00	30	3	+0·9	3·9	+1·1	6	0	0	0	0
SOUTH PUNJAB																					
Montgomery ...	107·2	—0·6	119	19	82·4	—0·9	67	7	1·83	+0·85	1·60	28	2	+0·4	3·1	—1·7	4	0	0	0	4
Multan	110·3	+3·7	117	19, 20	87·8	+3·0	76	5	0·00	—0·55	0·00	...	0	—1·0	3·9	+1·6	0	0	0	0	0
Fort Abbas ...	112·4	...	120	20, 22	*	...	...	...	0·00	...	0·00		0	...	*	...	0	0	0	0	0
Bahawalpur ...	109·3	+0·9	116	19, 20	86·2	+2·7	73	7	0·00	—0·28	0·00	...	0	—0·6	*	...	0	0	0	0	0
Khanpur (R) ...																					

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

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	Mean	Departure from normal	Highest	Date	Mean	Departure from normal	Lowest	Date	Total of the month	Departure from normal	Heaviest fall in 24 hours	Date	Days with 0·10" or more	Departure from normal	Mean	Departure from normal	Thunder heard	Hail	Visibility Code figure 93 or less: Fog	Haze	Dust storm
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
N.-W. F. P. (Upper)																					
Chakdara ...	101·9	...	112	19	71·9	...	60	7	0·49	...	0·49	23	1	...	5·9	...	4	0	0	0	3
Peshawar ...	105·0	0·0	115	19, 20	78·5	+1·3	66	7	0·00	—0·31	0·00	...	0	—0·9	4·5	+2·3	9	0	0	0	2
Landikotal ...	98·5	...	109	20	76·3	...	61	7	0·43	...	0·43	24	1	..	4·3	...	8	0	0	0	2
N.-W. F. P. (Lower)																					
Bannu	104·7	—1·4	115	19, 20	81·2	+1·5	68	6	2·60	+1·69	1·92	23	2	+0·5	3·6	...	0	0	0	0	2
Miranshah (R) ...																					
D. I. Khan ...	107·9	+0·1	118	19, 20	*	...	...	...	0·03	—0·58	0·03	22	0	—1·3	2·8	+1·0	1	0	0	0	1
BALUCHISTAN (North)																					
Fort Sandeman ...	101·4	+2·2	110	20	74·5	+1·6	66	6	0·10	—0·54	0·07	24	0	—1·3	×	...	0	0	0	3	0
Hindubagh ...	96·8	...	104	20, 21	68·3	...	60	7	×	...	...	...	×	...	6·6		1	0	0	0	0
Loralai	98·3	...	105	20	67·8	...	59	6, 8	0·00	—0·35	0·00	...	0	—0·1	5·0	...	1	0	0	0	0
Harnai	...	...	...	...	...	...	...	...	0·00	—0·75	0·00	...	0	—1·5	...	...	0	0	0	0	0
Sibi	114·8	+2·1	119	27	89·3	+1·8	80	6,10,24	0·00	—0·30	0·00	...	0	—0·5	4·4	—0·5	0	0	0	0	2
Quetta	95·1	...	102	21, 22	59·7	...	44	7	0·09	...	0·09	22	0	...	4·0	+1·8	0	0	0	1	1
Quetta (Samungli)	97·9	...	103	22	57·5	...	42	3	0·06	...	0·06	22	0	...	5·6	...	2	0	0	1	1
Chaman	100·8	+2·0	108	20	74·6	+2·4	62	6	0·00	—0·02	0·00	...	0	0·0	7·0	+1·9	0	0	0	0	1
Nushki	107·6	...	117	18	81·2	...	66	6	0·00	...	0·00	...	0	...	7·7	...	0	0	0	0	0
Kalat	90·4	+0·1	99	21	57·2	—0·5	42	6	0·07	—0·12	0·07	22	0	—0·4	5·4	+1·0	0	0	0	0	0
Dalbandin ...	108·1	+0·8	114	18,20,21	74·2	+1·2	61	6	0·00	—0·01	0·00	...	0	0.0	4·6	—0·2	0	0	0	10	4
Nokkundi ...	109·3	0·0	118	20	80·7	—1·1	64	4	0·00	0·00	0·00	...	0	0·0	8·7	—2·1	0	0	0	0	0
BALUCHISTAN (South)																					
Lasbela	109·2	+3·6	118	6	×	...	...	...	0·18	—0·24	0·18	28	1	—0·2	3·2	—0·1	1	0	0	0	1
Ormara	95·0	+2·3	105	6	83·9	+1·9	79	8	0·00	—0·03	0·00	...	0	—0·2	9·7	+0·9	0	0	0	0	0
Pasni	94·8	+1·0	105	25	×	...	...	...	0·00	—0·26	0·00	...	0	—0·2	8·1	+1·5	0	0	0	0	0
Turbat	112·2	...	121	4	84·0	...	74	23, 24	1·75		1·20	22	2	...	7·0	...	0	0	0	0	0
Panjgur	103·5	+0·3	108	5 days	71·5	—3·1	62	14	0·20	+0·08	0·20	23	1	+0·6	4·8	0·0	0	0	0	0	0
SIND (Upper)																					
Reti	112·0	...	119	20	84·6	...	80	4 days	0·00	...	0·00	...	0	...	11·1	...	0	0	0	3	4
Jacobabad ...	113·2	—0·7	120	4	86·3	+1·4	83	9, 10, 11	0·00	—0·26	0·00	...	0	—0·3	8·4	+2·2	0	0	0	2	2
Sukkur	110·5	+1·4	117	1	84·2	+0·8	80	10, 11, 12	0·00	—0·14	0·00	...	0	—0·5	4·1	—0·1	0	0	0	2	0
Pad Idan... ...	111·1	...	118	4	80·6	...	68	27, 28	0·00	...	0·00	...	0	...	10·3	...	0	0	0	2	1
SIND (Lower)																					
Umarkot... ...	107·1	...	111	6, 9, 10	82·4	...	79	12	0·00	...	0·00	...	0	...	9·5	...	0	0	0	0	3
Chhor	104·8	...	109	6	82·6	...	79	12	0·00	...	0·00	...	0	...	10·3	...	1	0	0	2	1
Hyderabad ...	105·4	+0·9	111	7, 9, 26	83·3	+1·3	81	9,11,12	0·00	—0·39	0·00	...	0	—0·6	9·3	—0·5	0	0	0	0	1
Karachi (Air Port) †	95·7	...	106	7	83·7	...	80	16	0·01	...	0·01	...	0	...	9·5	...	0	0	0	0	0
Karachi(Manora)...	91·8	+1·4	95	26	84·5	+2·2	82	11	0·00	—0·72	0·00	...	0	—0·6	×	...	0	0	0	3	0
Badin	103·0	+2·0	113	17, 18	82·7	+0·7	80	13	1·42	+0·77	1·42	22	1	+0·2	8·2	...	0	0	0	0	0
HILL STATIONS EXCLUDING KASHMIR AND BALUCHISTAN																					
Murree	79·5	—1·2	91	19	61·1	+0·6	42	5	4·02	+0·04	1·43	5	6	+0·2	5·5	+1·5	9	0	0	0	0
Cherat	95·2	+2·0	106	20	74·7	+1·5	59	7	0·21	—0·93	0·08	23	0	—2·0	6·1	+0·4	4	0	0	0	2
Drosh	94·4	+2·5	102	19, 20, 21	71·1	+2·6	58	24	0·81	+0·16	0·34	22	2	0·0	5·5	+1·8	7	0	0	0	0
Parachinar ...	91·1	+3·4	101	20	65·6	+1·9	52	6	1·07	—0·93	0·29	24	4	—0·5	3·5	+1·1	4	0	0	0	0
Wana	97·2	+2·6	108	20	69·8	+1·5	59	8	0·17	—0·26	0·17	23	1	—0·5	4·6	...	0	0	0	0	0

(R) Register not received. (×) Data not available. Mean for 18 days. * Data rejected.

(†) Same observatory was previously designated "Karachi (Drigh Roa

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																			Fog	Haze	Dust-storm
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
AFGHANISTAN																					
Jalalabad ...	105·7	...	116	19	77·8	...	63	7	0·00	...	0·00	0	0	...	3·5	...	0	0	0	0	0
Kabul	88·3	+1·4	97	19, 21	56·7	+0·7	46	6	0·02	—0·15	0·02	24	0	—0·5	3·5	+1·3	0	0	0	0	0
Kandahar ...	99·6	...	105	17, 21	64·2	...	54	6, 8	0·00	...	0·00	0	0	...	1·2	...	0	0	0	0	0
IRAN																					
Jask	96·1	—0·3	101	11	84·6	+1·5	80	2, 4	0·00	—0·04	0·00	...	0	—0·1	9·0	+1·4	0	0	0	0	0
ARABIA																					
Muscat	97·6	—0·5	108	1	87·2	—0·9	83	9, 10, 24	0·00	—0·08	0·00	...	0	—0·1	3·3	—0·1	0	0	0	0	1
Kuwait (†) ...	98·0	...	109	8	82·5	...	78	1	0·00	...	0·00	...	0	...	8·5	...	0	0	0	3	1

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

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PAKISTAN WEATHER REVIEW, 1952

MONTHLY WEATHER REPORT

JULY

PUBLISHED BY THE AUTHORITY OF THE GOVERNMENT OF PAKISTAN

Chief Features:– (1) Three depressions formed at the head Bay of Bengal.

(2) Advance of monsoon in West Pakistan and marked spell of rain thunderstorms activity over there.

WEST PAKISTAN

Three western disturbances and five low pressure waves moved from the west and two monsoon lows affected the region.

The western disturbance of the previous month moved away through Kashmir after inducing a secondary over the East Punjab on the 1st and causing fairly widespread rain/thundershowers over the north Punjab on that day. The eastward passage of a low pressure wave caused thunderstorms/showers over the region outside Sind and south Baluchistan, during the next three days.

Three western disturbances moving in quick succession across the extreme north of the region accentuated the seasonal low. They were responsible for light and moderate spell of wet weather over West Pakistan outside Sind and south Baluchistan till the middle of the month. Marked rain/thunderstorm activity was, however, reported from the north Punjab and the North-West Frontier Province. Drizzle over coastal stations of Sind also occurred on a few days.

Three low pressure waves moving eastwards across the northern parts of West Pakistan, were responsible for moderate to heavy rain/thundershower activity over the North-West Frontier Province and the Punjab practically throughout the second half of the month. A monsoon low which intensified into a depression on 22nd, moving slowly from Rajputana to Sind, brought monsoon to Sind and Baluchistan.

Another shallow depression formed over East Rajputana on the 26th. It moved to the Punjab on the 28th and weakened into a trough. It caused fairly widespread rain during the last week in the Punjab and scattered to local thunderstorms in Sind and northeast Baluchistan for four days.

Chief amounts of rainfall recorded during the month were :

Lyallpur 1½", on the 1st; Jhelum 1½", Sialkot 1", on the 9th; Loralai 2" on the 10th; Sialkot and Rawalpindi 1" each on the 11th; Murree 3" on the 14th, Murree 2", Jhelum, Cherat and Peshawar 1½" each on the 15th; Loralai 1½" on the 16th; Rawalpindi and Fort-Sandeman 3" each on the 17th; Karachi (Airport) 1½", Karachi (Manora) 1" on the 19th; Parachinar, Loralai and Harnai 1½" each, Bahawalpur 1" on the 20th; Padidan 3", Khanpur 2", Multan 1½", Kalat, Karachi (Manora) and Cherat 1" each on the 21st; Karachi (Airport) and (Manora) 2" each, Badin 1½", Lahore, Murree, Harnai, Reti and Hyderabad 1" each on the 22nd; Lyallpur, Khanpur, Cherat, Karachi (Manora) 1½" each, Rawalpindi and Murree 1" each on the 23rd; Sialkot and Karachi (Airport) 1½" each on the 24th; Miranshah 1½", Rawalpindi and Khanpur 1" each on the 25th; Lyallpur and Rawalpindi 1" on the 27th; Rawalpindi 3", Jhelum and Murree 1" each on the 28th.

The mean actual rainfall was in large excess over the south Punjab, north Baluchistan in moderate excess over lower Sind and in slight excess over the North Punjab. It was in slight defect over upper Sind and in large defect elsewhere. Averaged over the region, outside Baluchistan, it was in slight excess.

The mean maximum temperatures were below normal in the north Punjab and the North-West Frontier Province and normal elsewhere. The mean minimum temperatures were normal over the region. Mean relative humidity was above normal in the North-West Frontier Province and the south Punjab and normal elsewhere.

Skies were more clouded than usual in upper Sind, north Baluchistan and the lower North-West Frontier Province and clouded as usual elsewhere.

EAST PAKISTAN

Monsoon remained active over East Pakistan practically throughout the month, with a few heavy falls on the 1st, 15th, 29th, and 30th, in association with three depressions in the Bay of Bengal.

The first depression formed on the 3rd morning at the head Bay within one degree of latitude 19°N and longitude 88°E. It intensified on the 4th morning and moved inland into the Indian region by the same night. The second depression formed with its centre about 60 miles south of Saugar Island on the morning of 20th and moved inland the next day. The third depression formed on the 31st morning with its central region within one degree of latitude 21°N and longitude 90°E.

According to available press reports river Gumti was in spate due to heavy rain and affected about forty square miles of land on the outskirts of Comilla town in the first week. Nearly 30,000 cultivators and villagers were affected and rendered homeless when the flood water washed away about 1000 houses in the area. Houses, Aus crop and Aman seeding were also damaged in Chittagong districts in the second week.

Many parts of Sirajganj town were under water following floods caused by heavy rains at the close of the third week. Paddy and jute crop was damaged.

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

Comilla 6", Brahmanbaria 3" on the 1st; Dinajpur 5" on the 3rd; Cox's Bazar and Rangpur 3" each on the 4th; Barisal 3" on the 5th; Cox's Bazar 3" on the 8th; Cox's Bazar 4", Srimangal and Rangpur 3" on the 11th; Khulna and Dinajpur 4" each, Brahmanbaria 3" on the 12th; Rangpur 5" on 13th; Srimangal and Dinajpur 3" on the 14th; Barisal 8", Noakhali 6" on the 15th; Comilla and Khulna 3" each, on the 16th; Brahmanbaria 4" on the 20th; Cox's Bazar 3" on the 22nd and 23rd; Noakhali 4", Cox's Bazar and Barisal 3" each on the 24th; Satkhira 5" Cox's Bazar 3" on the 26th; Cox's Bazar 4" on the 27th; Cox's Bazar 7" Chittagong and Barisal 4" each, Faridpur 3" on the 29th; Cox's Bazar 7" on the 30th.

The mean actual rainfall was in moderate excess over the Deltaic sub-division and in slight excess elsewhere. Averaged over the region as a whole, it was in moderate excess.

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

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

TABLE I.—DIVISIONAL AND SUB-DIVISIONAL MEANS, JULY 1952.

Division	PRECIPITATION				DEPARTURE FROM NORMAL °F				
							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
	"	"			°	°	mb.	%	
East Pakistan	20·15	15·83	+4·32	+27	—0·3	+0·3	+0·5	+2	+0·7
Mean of East Pakistan	20·15	15·83	+4·32	+27	—0·3	+0·3	+0·5	+2	+0·7
Punjab	5·71	4·50	+1·21	+27	—2·6	—0·5	+1·6	+5	+0·4
N.-W. F. P.	0·72	1·89	—1·17	—62	—4·0	—1·3	+1·2	+7	+1·3
Baluchistan	1·07	0·85	+0·22	+26	—0·6	—0·4	—0·5	—4	+0·8
Sind	2·53	2·14	+0·39	+18	—0·5	+0·3	+0·3	+2	+0·5
Mean of West Pakistan excluding Baluchistan	3·79	3·26	+0·53	+16	—2·1	—0·4	+1·0	+4	+0·5
Sub-Division									
East Pakistan (North)	15·67	13·05	+2·62	+20	—0·1	+0·7	+0·2	+1	+0·7
East Pakistan (East)	23·27	19·15	+4·12	+21	—0·2	+0·5	+0·9	+1	+0·7
East Pakistan (Deltaic)	20·52	13·84	+6·68	+48	—0·5	—0·2	0·0	+3	+0·6
Kashmir*									
North Punjab	6·71	5·73	+0·98	+17	—3·5	—0·2	+1·8	+5	+0·5
South Punjab	4·04	2·46	+1·58	+64	—1·2	—1·0	+1·3	+6	+0·2
N.-W.F.P. (Upper)	0·01	1·16	—1·15	—99	—3·3	—1·0	+1·3	+7	+0·4
N.-W.F.P. (Lower)	1·08	2·25	—1·17	—52	—4·3	—1·5	+1·1	+7	+1·7
Baluchistan (North)	1·53	0·91	+0·62	+68	—0·7	—0·1	—0·2	—4	+1·0
Baluchistan (South)	0·13	0·72	—0·59	—82	—0·6	—0·9	—1·3	—3	+0·5
Sind (Upper)	0·89	1·19	—0·30	—25	—0·5	+0·5	—1·3	—1	+1·1
Sind (Lower)	4·17	3·09	+1·08	+35	—0·4	+0·2	+1·9	+5	0·0

* Data incomplete.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF JULY 1952

Sub-Division and Station	Hours of Observation	Height of bar cistern above mean sea level	Mean pressure: Stn. level reduced to standard temp. and gravity	Mean pressure: Departure from normal	Mean pressure: Reduced to standard temp. & M.S.L. or nearest Gpkm level	Mean temperature of the air & humidity: Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Total Cloud amount: Mean amount	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 BENGAL (North)																							
Pabna	0300	...	...	...	...	83·0	79·9	79·0	33·6	0·0	87	+3	...	...	...	...	...	...	...	...	...	...	...
Sirajganj	0000	49	998·3	...	1000·0	80·4	79·4	79·1	33·4	...	96	...	7·5	...	0	0	13	6	6	0	0	0	6
	0300	...	999·5	...	1001·2	82·7	80·1	79·1	34·4	...	89	...	7·4		0	0	11	4	7	0	0	0	9
	1200	...	996·6	...	998·3	83·3	80·4	79·0	33·6	...	87	...	6·5	...	1	0	10	5	5	0	0	0	10
Bogra †	0000	65	998·0	...	1000·2	79·9	78·7	78·2	33·4	...	96	...	7·3	...	0	0	5	4	1	2	0	0	19
	0300	63	998·9	+0·2	1001·3	82·2	79·4	78·1	32·5	+0·3	87	+2	7·5	+1·2	0	0	12	10	1	5	1	0	2
	1200	...	996·0	...	998·1	84·5	80·0	78·0	33·5	...	81	...	6·1	...	0	1	9	8	3	4	0	0	6
Dinajpur	0000	123	996·8	...	1001·0	79·8	78·3	77·7	32·6	...	93	...	5·7	...	1	3	8	1	0	0	0	0	18
	0300	...	998·0	+1·5	1002·3	83·6	79·8	77·9	33·2	+0·4	83	—3	6·4	+0·2	0	0	16	0	1	0	1	0	13
	1200	...	994·8	...	999·0	86·3	80·6	78·3	33·1	...	78	...	4·9	...	0	0	15	0	1	0	0	0	15
EAST BENGAL (East)																							
Cox's Bazar †	0000	10	1001·5	...	1001·9	78·7	77·6	77·1	32·3	...	95	...	6·9	...	0	0	13	9	5	3	0	0	1
	0300	38	1002·1	+0·8	1003·4	81·3	79·2	77·7	32·9	+1·0	91	+3	6·8	+0·3	0	0	0	10	15	0	0	0	6
	1200	...	999·8	...	1001·1	81·3	78·6	77·1	32·2	...	89	...	7·0	...	0	0	0	10	17	0	0	0	4
Chittagong	0300	87	999·5	0·0	1002·5	82·4	79·4	78·0	32·5	+1·3	87	+1	6·4	+0·1	0	0	3	19	8	0	0	0	1
	1200	...	997·4	...	1000·3	81·9	79·3	78·3	33·3	...	89	...	6·5	...	0	0	0	12	17	2	0	0	0
Maijdee (Noakhali) ...	0000	25	1000·2	...	1000·9	79·7	78·0	77·1	32·6	...	93	...	6·6	...	0	0	0	15	8	0	(a) 0	0	7
	0300	...	1001·1	0·0	1001·9	81·7	79·0	77·8	33·3	+0·7	89	+1	6·8	+1·2	0	0	0	17	5	1	0	0	8
	1200	...	999·0	...	999·8	83·1	79·0	77·7	32·0	...	83	...	6·4	...	0	0	0	20	3	1	0	0	7
Brahmanbaria	0000	32	1001·1	...	1002·2	80·0	78·3	77·7	32·6	...	93	...	6·9	...	0	0	7	9	6	0	0	0	9
	0300	...	1001·1	...	1002·2	83·7	79·7	77·9	33·2	+2·4	83	+2	5·7	...	0	1	4	13	3	6	1	0	3
	1200	...	999·2	...	1000·3	83·9	80·3	78·9	34·0	...	85	...	5·6	...	0	0	2	5	15	1	0	0	8
Comilla	0000	29	1000·3	...	1001·3	78·8	77·8	77·7	32·3	...	95	...	7·5	...	0	0	11	14	5	0	0	1	0
	0300	...	1000·7	—0·3	1001·7	84·0	79·3	77·9	32·5	+0·3	87	+2	7·0	+1·2	0	2	2	11	16	0	0	0	0
	1200	...	998·5	...	999·5	83·9	80·2	78·8	34·0	...	85	...	6·8	...	0	2	0	11	18	0	0	0	0
Narayanganj	0000	26	999·2	...	1000·0	80·5	78·4	77·5	32·9	...	91	...	7·0	...	0	0	9	9	7	4	1	0	1
	0300	...	1000·1	—0·4	1001·0	83·6	79·5	77·8	33·2	+0·3	83	—2	7·0	0·0	0	0	8	10	7	5	0	1	0
	1200	...	997·8	...	998·5	83·8	79·4	77·6	32·6	...	81	...	7·0	...	0	0	0	11	14	4	0	1	1
Srimangal	0000	69	999·4	...	1001·8	77·3	76·4	75·7	30·2	...	95	...	6·9	...	0	1	6	6	7	1	0	0	10
	0300	...	1000·2	+0·1	1002·6	81·4	78·8	77·7	32·2	+0·4	89	+3	6·8	+1·4	0	4	5	12	8	1	0	0	1
	1200	...	997·0	...	999·4	82·4	79·9	79·2	33·3	...	89	...	7·1	...	1	0	2	6	12	3	2	0	5
Mymensingh	0000	62	998·3	...	1000·4	80·1	78·8	78·3	32·6	...	93	...	7·5	...	0	0	14	0	0	0	0	0	17
	0300	...	999·8	+0·1	1001·9	82·4	79·7	78·5	33·3	+0·8	89	+2	7·6	+0·7	0	0	23	2	0	0	0	0	6
	1200	...	997·0	...	999·1	84·8	80·3	78·3	33·5	...	81	...	6·6	...	0	0	14	0	0	0	1	0	16
EAST BENGAL (Deltaic)																							
Faridpur	0000	46	999·0	...	1000·6	79·6	78·4	77·7	33·4	...	96	...	7·0	...	0	0	1	6	8	1	0	0	15
	0300	...	999·7	+0·4	1001·3	82·3	79·6	78·3	33·3	—0·4	89	+4	6·6	+0·4	0	0	1	10	13	2	1	0	4
	1200	...	997·4	...	999·0	83·7	80·2	78·2	34·0	...	85	...	6·2	...	1	0	1	9	11	2	0	0	7
Barisal	0000	11	999·8	...	1000·2	79·7	78·7	78·5	33·4	...	96	...	7·2	...	0	0	3	6	5	4	0	0	13
	0300	...	1000·9	+0·2	1001·2	82·2	79·7	78·6	33·6	+0·2	89	+2	7·3	+1·0	0	0	3	14	5	5	0	0	4
	1200	...	998·3	...	998·7	83·1	79·7	78·5	32·8	...	85	...	7·4	...	0	0	1	10	14	3	0	0	3
Khulna	0000	16	999·2	...	999·7	80·1	78·6	78·1	32·6	...	93	...	6·5	...	0	3	1	10	9	0	1	0	7
	0300	...	1000·7	+0·9	1001·2	82·5	79·5	78·4	33·6	+0·8	87	+4	7·1	+0·1	0	2	0	17	2	7	0	0	3
	1200	...	998·0	...	998·5	83·2	79·4	77·8	32·0	...	83	...	5·9	...	0	0	0	15	8	3	0	1	4
Jessore ...	0000	26	998·7	...	999·6	79·8	78·3	78·4	32·6	...	93	...	6·3	...	0	2	3	5	9	2	0	0	10
	0300	...	999·6	—0·2	1000·6	83·2	80·0	79·0	33·6	0·0	87	+2	6·9	+0·5	0	2	6	7	6	5	0	1	2
	1200	...	997·4	...	998·3	83·4	79·9	78·3	32·8	...	85	...	7·0	...	1	0	9	7	12	0	0	0	2
Satkhira	0000	16	999·0	...	999·6	80·1	79·1	78·3	33·4	...	96	...	7·2	...	0	8	1	10	2	4	0	2	4
	0300	...	999·8	+0·3	1000·3	82·4	79·9	79·0	33·3	—0·4	89	+4	7·0	+1·1	0	5	0	13	1	8	0	2	2
	1200	...	997·5	...	998·0	83·7	80·5	79·0	34·8	...	87	...	7·3	...	0	7	0	10	3	7	0	1	3

† Observations at 0000 hrs. G. M. T. have been taken from a distant site by P. B. O. Staff.

(a) Mean for 30 days.

Sub-Division and Station	Hours of Observation	Height of bar cistern above mean sea level	Mean pressure: Stn. level reduced to standard temp. and gravity	Mean pressure: Departure from normal	Mean pressure: Reduced to standard temp. & M.S.L. or nearest Gpkm level	Mean temperature of the air & humidity: Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Total Cloud amount: Mean amount	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																							
Srinagar ×	0000	5,205																					
	0300																						
	1200																						
Gulmarg ×	0000	8,709																					
	0300																						
	1200																						
Dras ×	0000	10,059																					
	0300																						
	1200																						
Leh ×	0000	11,529																					
	0300																						
	1200																						
Skardu ×	0000	7,505																					
	0300																						
	1200																						
Gilgit ×	0000	4,890																					
	0300																						
	1200																						
Misgar	0000	10,190	697·4	...	706·3	55·0	45·5	35·8	7·4	...	50	...	3·4	...	0	0	2	0	0	0	7	0	22
	0300	...	698·1	...	706·9	57·6	47·1	37·7	7·7	...	48	...	3·6	...	0	0	2	0	0	0	4	0	25
	1200	...	694·9	...	703·3	71·4	51·5	33·9	6·8	...	34	...	4·0	...	0	0	16	0	0	0	12	0	3
Jammu ×	0000																						
	0300																						
	1200																						
Kargil ×	0000																						
	0300																						
	1200																						
NORTH PUNJAB																							
Lahore	0000	702	974·0	...	997·7	81·1	77·9	76·5	31·2	...	87	...	4·5	...	0	3	1	8	2	0	0	0	17
	0300	...	975·3	+1·3	998·9	85·3	79·1	76·4	31·1	+1·7	75	+6	3·5	+0·3	0	2	1	15	1	1	3	2	6
	1200	...	972·4	...	995·7	92·5	80·8	75·9	30·6	...	59	...	4·5	...	0	5	1	9	4	3	1	0	8
Sialkot	0000	830	969·7	...	997·7	81·0	77·9	76·7	31·2	...	87	...	5.0	...	0	15	2	1	0	0	0	1	12
	0300	...	970·4	+0·4	998·3	83·9	78·8	76·8	31·3	+1·4	79	+4	5·4	+2·2	0	5	3	3	2	0	0	1	17
	1200	...	968·2	...	995·6	91·8	80·3	73·0	30·1	...	59	...	4·8	...	1	7	1	4	0	2	0	4	12
Jhelum	0000	765	971·9	...	997·2	80·9	77·5	76·1	30·7	...	86	...	4·3	...	1	0	0	1	3	0	0	2	24
	0300	...	973·3	...	999·0	84·6	78·2	75·3	30·1	...	75	...	4·6	...	2	1	3	6	3	2	1	2	11
	1200	...	970·2	...	995·5	92·1	79·9	74·7	29·3	...	57	...	4.4	...	0	1	2	7	3	2	0	2	14
Rawalpindi	0000	1,676	941·8	...	887·9	79·3	75·0	73·1	27·9	...	81	...	3·4	...	0	2	1	4	5	1	0	1	17
	0300	...	943·2	+0.9	889·7	84·3	76·7	73·5	28·3	+1·8	70	+4	3·6	+0·2	1	2	1	0	0	0	0	0	27
	1200	...	940·5	...	887·8	90·7	78·1	73·1	27·8	...	57	...	3·9	...	2	0	0	4	2	0	0	1	22
Khushab	0000	616	976·5	...	997·3	83·3	77·9	75·5	30·2	...	77	...	2·5	...	1	8	12	4	1	0	0	2	3
	0300	...	977·7	+1·0	998·4	87·5	79·0	75·3	30·0	+0·9	67	+1	3·0	+0·5	1	4	13	6	2	3	1	1	0
	1200	...	974·6	...	994·7	97·6	79·9	71·9	26·8	...	45	...	2·7	...	0	6	8	7	6	3	1	0	0
Lyallpur	0000	605	976·4	...	996·9	82·0	78·4	77·0	31·5	...	85	...	2·8	...	1	3	4	4	5	1	0	2	11
	0300	...	977·9	+1·4	998·3	85·4	79·3	77·1	31·4	+3·2	75	+12	2·7	—0·5	3	5	4	3	6	2	3	0	5
	1200	...	975·1	...	995·1	94·1	81·4	76·7	30·8	...	57	...	2·6	...	1	4	5	6	5	1	2	0	7
SOUTH PUNJAB																							
Montgomery	0000	558	977·9	...	996·7	83·7	78·6	76·2	31·1	...	79	...	3·6	...	0	0	0	13	2	3	0	0	13
	0300	...	979·3	+1·2	998·0	87·0	80·0	76·2	31·8	+0·1	72	+2	2·9	+1·0	1	0	4	8	3	4	0	0	11
	1200	...	976·6	...	994·9	95·8	80·7	74·1	28·9	...	50	...	3·4	...	0	0	1	14	1	0	0	0	15
Multan	0300	413	983·8	+1·3	997·6	88·0	80·5	78·1	32·1	—0·3	71	+3	2·8	+1·0	4	2	2	2	6	7	0	1	7
	1200	...	980·7	...	994·2	100·8	84·2	77·5	32·5	...	48	...	1·0	...	2	3	4	2	4	5	2	4	5

× Data not available.

TABLE II.– ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF JULY 1952—*contd.*

Sub-Division and Station	Hours of Observation	Height of bar cistern above mean sea level	Mean pressure: Stn. level reduced to standard temp. and gravity	Mean pressure: Departure from normal	Mean pressure: Reduced to standard temp. & M.S.L. or nearest G/pkm level	Mean temperature of the air & humidity: Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Total Cloud amount: Mean amount	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										
Fort Abbas	0000	475	982·0	...	998·1	84·4	77·9	75·3	29·7	...	73	...	2·2	...	0	9	1	5	4	11	1	0	0
	0300	...	984·8	...	1000·7	88·1	78·5	74·2	29·1	...	64	...	2·3	...	1	9	0	5	4	11	1	0	0
	1200	...	*	...	*	*	*	*	*	...	*	...	*	...	*	*	*	*	*	*	*	*	*
Bahawalpur	0300	384	985·0	+1·4	997·9	87·6	80·4	77·4	32·1	+0·2	73	+5	1·0	—1·2	0	1	3	2	1	16	0	0	8
	1200	...	981·5	...	994·1	100·5	82·8	75·4	30·2	...	45	...	2·3	...	0	2	0	0	0	5	1	0	23
Khanpur	0300	297	987·6	+0·9	997·6	(b) 86·4	(c) 80·3	(c) 77·8	32·9	+3·5	76	+10	2·9	+0·8	0	4	1	0	4	16	3	0	3
	1200	...	983·9	...	993·8	(j) 85·2	(g) 82·8	(i) 73·4	(j) 29·1	...	(j) 36	...	3·6	...	3	3	0	0	6	7	5	3	4
N.-W.F.P. (Upper)																							
Chakdara	0000	2,197	923·6	...	889·0	76·6	70·9	68·0	23·5	...	76	...	2·7	...	3	5	5	0	0	1	0	1	16
	0300	...	925·4	...	891·0	80·8	72·3	68·4	23·6	...	66	...	3·1	...	1	3	6	0	3	1	4	1	12
	1200	...	921·7	...	888·2	92·0	76·9	70·1	25·4	...	50	...	2·5	...	0	0	1	4	2	12	7	0	5
Peshawar	0000	1,175	957·9	...	997·3	81·1	74·2	70·6	25·7	...	70	...	2·7	...	4	1	0	0	1	0	0	8	17
	0300	...	959·3	+1·0	998·4	85·1	76·1	71·6	26·7	+1·3	65	+7	2·3	+0·4	11	4	0	0	0	0	0	8	8
	1200	...	955·5	...	993·7	97·2	77·7	67·6	23·5	...	39	...	3·4	...	4	13	1	4	4	1	0	0	4
Landikotal	0000	3,503	883·6	...	890·4	75·8	70·5	68·0	23·4	...	75	...	2·9	...	0	11	0	2	0	0	0	0	18
	0300	...	884·7	...	891·5	82·2	72·9	69·0	23·9	...	62	...	2·7	...	0	19	0	2	0	0	0	0	10
	1200	...	881·5	...	888·2	90·0	75·8	69·5	24·6	...	51	...	3·5	...	1	3	0	27	0	0	0	0	0
N.-W.F.P. (Lower)																							
Bannu	0000	1,264	954·8	...	997·0	82·9	75·5	72·9	26·8	...	69	...	4·3	...	0	7	2	1	1	0	4	3	13
	0300	...	955·9	...	997·9	85·9	77·7	73·2	28·8	+2·3	68	+10	5·0	+2·9	0	4	2	9	0	1	3	5	7
	1200	...	953·2	...	994·4	94·8	78·1	70·1	25·3	...	45	...	5·4	...	0	6	1	15	3	2	2	2	0
Miranshah (R)	0000	3,026																					
	0300																						
	1200																						
D. I. Khan	0000	570	977·4	...	996·5	82·6	77·7	75·6	30·2	...	79	...	1·2	...	2	14	1	2	0	0	0	0	12
	0300	...	979·2	+1·9	998·3	86·1	79·1	76·1	30·8	—0·1	72	+3	2·5	+0·5	1	12	3	2	1	1	1	0	10
	1200	...	975·7	...	994·5	98·9	82·2	75·6	30·0	...	48	...	1·3	...	2	5	3	10	5	1	0	0	5
BALUCHISTAN (North)																							
Fort Sandeman	0300	4,614	852·8	+1·7	892·4	81·2	63·9	61·9	18·7	—0·6	51	—10	2·6	+2·2	0	0	0	4	0	0	0	0	27
	1200	...	850·1	...	889·2	90·2	68·9	56·0	15·1	...	31	...	4·1	...	0	5	3	8	0	0	0	0	17
Hindubagh	0000	5,909	813·3	...	794·6	70·1	61·4	54·8	15·6	...	62	...	3·0	...	0	0	1	0	0	2	5	8	15
	0300	...	814·3	...	795·9	78·6	65·4	57·8	17·1	...	51	...	2·4	...	0	0	4	2	0	8	5	2	10
	1200	...	811·7	...	793·8	90·3	65·8	48·5	12·6	...	26	...	3·6	...	0	0	4	4	1	11	6	3	2
Loralai	0000	4,699	847·3	...	890·4	71·1	66·6	63·8	20·4	...	79	...	1·6	...	0	0	0	1	1	2	3	0	24
	0300	...	848·2	...	890·6	77·4	69·7	65·6	21·7	...	67	...	1·8	...	0	0	0	1	0	7	1	1	21
	1200	...	846·2	...	886·4	87·8	72·8	64·9	21·4	...	48	...	3·6	...	0	2	1	2	4	17	2	0	3
Sibi	0000	441	977·5	...	992·1	89·9	80·2	76·0	31·2	...	65	...	2·0	...	0	0	1	6	3	2	1	0	18
	0300	...	982·1	+1·2	996·7	91·6	81·1	77·0	31·4	+4·3	62	+7	2·8	+1·2	0	0	3	9	8	1	1	0	9
	1200	...	978·5	...	992·6	106·1	84·1	75·3	29·7	...	38	...	2·8	...	0	1	1	9	11	3	2	1	3
Quetta	0300	5,490	825·3	—0·7	795·0	76·4	66·6	61·0	18·2	+0·1	59	—2	1·6	+0·5	0	0	0	0	9	6	0	0	16
	1200	...	822·5	...	793·2	91·1	67·1	51·8	13·9	...	28	...	3·1	...	6	0	0	3	5	5	5	7	0
Quetta(Samungli)	0000	5,253	834·0	...	795·3	69·9	66·6	59·0	20·9	...	83	...	2·3	...	1	0	4	19	2	1	0	0	4
	0300	...	834·4	...	797·2	77·3	67·1	61·1	19·0	...	60	...	1·8	...	0	1	7	13	1	0	2	2	5
	1200	...	831·7	...	795·8	89·2	68·4	53·0	15·8	...	34	...	3·3	...	0	0	2	4	1	5	7	12	0
Chaman	0000	4,311	857·8	...	889·2	79·8	62·9	49·5	12·8	...	36	...	1·0	...	0	1	10	13	4	2	0	0	1
	0300	...	859·2	—0.5	889·7	85·6	66·1	51·1	14·3	+1·4	33	0	1·1	+0·4	0	0	3	5	5	13	2	1	2
	1200	...	858·4	...	887·4	98·5	74·6	59·5	19·3	...	56	...	0·7	...	0	0	1	2	0	13	12	3	0
Nushki	0000	3,416	891·9	...	893·7	84·7	64·6	50·4	12·8	...	36	...	1·0	...	0	1	10	13	4	2	0	0	1
	0300	...	894·7	...	896·5	89·9	68·4	55·7	14·3	+1·4	33	0	1·1	+0·4	0	0	3	5	5	13	2	1	2
	1200	...	(a) 889·9	...	891·6	(b) 102·4	(b) 72·0	(b) 52·4	(b) 19·3	...	(b) 56	...	0·7	...	0	0	1	2	0	13	12	3	0
Kalat	0000	6,616	794·3	...	795·9	64·5	55·2	44·2	11·6	...	55	...	2·0	...	0	0	0	6	9	0	0	0	16
	0300	...	795·2	+1·3	796·8	71·2	58·2	49·8	11·8	—0·5	46	—1	1·7	+0·1	0	0	0	2	9	0	0	0	20
	1200	...	792·9	...	794·5	87·0	63·1	46·0	11·0	...	25	...	3.2	...	2	3	0	0	5	3	2	8	8

(R) Register not received. * Data rejected. (c) Mean for 28 days. (g) Mean of 24 days. (j) Mean for 21 days. (a) Mean for 30 days. (b) Mean for 29 days.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF JULY 1952—*contd.*

Sub-Division and Station	Hours of Observation	Height of bar cistern above mean sea level	Mean pressure: Stn. level reduced to standard temp. and gravity	Mean pressure: Departure from normal	Mean pressure: Reduced to standard temp. & M.S.L. or nearest Gpkm level	Mean temperature of the air & humidity: Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Total Cloud amount: Mean amount	Departure from normal	Wind direction, Number of observations from :— N	NE	E	SE	S	SW	W	NW
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
	GMT	Ft.	mb.	mb.	mb.	°F	°F	°F	mb.	mb.	%	%	Oktas									
Dalbandin	0000	2,785	904·7	...	889·2	81·8	61·9	46·8	10·9	...	29	...	0·9	...	0	1	0	3	1	6	3	11
	0300	...	905·9	+0.1	890·8	85·1	64·0	48·2	11·9	—0·8	29	—4	2·0	+1·0	0	0	0	1	0	5	3	6
	1200	...	903·2	...	888·3	104·5	71·9	49·6	14·0	...	18	...	1·7	...	0	2	0	3	2	12	5	6
Nokhundi	0000	2,229	921·8	...	889·2	86·0	63·0	44·6	10·3	...	24	...	2·3	...	13	1	1	0	0	0	2	14
	0300	...	923·3	...	890·7	90·1	66·9	49·7	13·3	—3·9	27	—11	1·0	0·0	12	2	1	0	0	1	1	13
	1200	...	920·3	...	888·9	107·3	72·9	58·8	13·2	...	16	...	0·5	...	12	0	1	1	0	1	2	14
BALUCHISTAN (South)																						
Las Bela	0000	292	989·1	...	998·9	83·1	78·2	76·0	30·5	...	79	...	6·3	...	0	0	0	0	0	0	0	0
	0300	...	990·2	+1·4	1000·1	85·5	78·8	75·3	30·3	—2·6	73	—8	4·8	—0·6	1	1	2	11	2	3	1	1
	1200	...	986·1	...	995·7	98·6	81·7	73·4	29·6	...	46	...	2.6	...	0	0	0	27	0	4	0	0
Ormara	0000	15	997·8	...	998·3	82·4	80·1	78·7	33·3	...	89	...	0·8	...	0	0	1	0	2	1	20	0
	0300	...	999·0	...	999·5	83·1	79·9	78·0	33·6	+2·0	87	+4	5·2	—0·5	0	0	0	0	1	4	25	0
	1200	...	996·5	...	997·0	87·6	80·6	77·5	32·4	...	73	...	2·3	...	0	0	0	1	4	10	16	0
Pasni	0000	10	998·6	...	998·9	80·1	77·4	76·1	31·1	...	89	...	6·4	...	0	1	3	3	1	4	11	0
	0300	...	999·7	+1·1	1000·0	82·9	78·4	76·2	31·3	—1·3	81	—3	6·3	+1·3	0	0	6	4	1	6	7	3
	1200	...	997·1	...	997·4	87·4	79·6	75·7	30·2	...	69	...	4·0	...	0	0	0	3	4	21	3	0
Turbat	0000	292	983·2	...	1000·5	81·0	75·4	73·0	27·7	...	76	...	0·0	...	0	0	0	8	0	9	0	8
	0300	...	983·4	...	1000·8	85·2	78·7	76·1	30·3	...	73	...	0·0	...	0	0	0	3	0	26	1	1
	1200	...	979·5	...	996·1	103·5	83·4	75·1	30·0	...	41	...	0·0	...	0	0	0	15	0	7	0	1
Panjgur	0000	3,177	894·6	...	891·0	77·3	67·4	57·6	18·5	...	58	...	3·5	...	2	0	2	0	0	7	11	4
	0300	...	895·4	+0·9	892·0	79·5	68·0	68·0	18·3	—4·7	54	—11	3·2	+1·4	4	0	1	0	1	12	7	4
	1200	...	892·9	...	889·5	100·5	67·0	39·8	9·4	...	14	...	2·1	...	0	0	1	0	0	10	4	16
SIND (Upper)																						
Reti	0000	280	988·7	...	997·6	84·3	78·5	77·0	30·0	...	75	...	1·1	...	3	1	1	0	15	6	1	0
	0300	...	989·5	...	999·1	86·8	79·9	77·5	31·8	...	72	...	0·9	...	0	3	0	2	14	7	2	0
	1200	...	986·1	...	995·4	101·9	81·9	74·6	28·2	...	40	...	1·4	...	2	1	1	2	10	8	1	0
Jacobabad	0000	183	989·3	...	995·7	86·8	78·3	73·9	29·1	...	67	...	3·2	...	2	0	9	5	9	2	1	1
	0300	...	991·0	+1·0	997·3	88·7	79·2	74·8	29·7	—3·4	65	—3	3·1	+1·6	2	1	4	14	5	1	1	3
	1200	...	987·3	...	993·4	103·3	80·8	71·1	25·6	...	35	...	2·4	...	1	2	2	15	7	1	0	2
Sukkur	0300	221	989·6	+0·7	997·0	85·9	79·8	77·2	32·3	+0·9	76	+1	2·2	+0·5	1	2	4	5	10	9	0	0
	1200	...	986·1	...	993·3	102·2	84·2	77·0	31·6	...	45	...	2·7	...	2	5	0	1	11	8	2	2
Pad Idan	0000	153	990·8	...	995·6	83·4	77·6	75.0	29·9	...	75	...	1·9	...	3	0	0	14	10	0	1	0
	0300	...	991·9	...	997·1	85·8	78·5	75·3	29·9	...	70	...	2·7	...	0	5	1	15	7	0	2	0
	1200	...	988·6	...	993·7	101·6	80·1	69·8	25·2	...	37	...	2·5	...	3	2	0	8	13	1	1	0
SIND (Lower)																						
Umarkot	0000	55	996·8	...	997·7	80·7	79·0	78·2	33·1	...	93	...	4·9	...	0	1	1	1	7	18	2	0
	0300	...	996·7	...	998·6	84·4	80·1	78·6	34·7	...	85	...	5·2	...	1	2	0	0	3	21	2	0
	1200	...	993·6	...	995·6	90·3	82·5	78·2	34·3	...	70	...	5·3	...	1	0	1	1	6	17	4	1
Chhor	0000	19	996·8	...	997·5	81·1	79·1	78·1	32·9	...	91	...	4·7	...	0	1	0	2	6	20	1	0
	0300	...	998.0	...	998·7	83·4	80·4	79·1	34·0	...	87	...	5·8	...	0	2	1	1	8	16	0	1
	1200	...	994·8	...	995·4	93·4	83·4	79·2	34·4	...	64	...	4·3	...	0	2	1	1	2	20	4	0
Hyderabad	0000	96	993·7	...	997·0	82·1	77·8	75·8	30·6	...	81	...	2·8	...	3	0	1	0	0	24	1	1
	0300	...	994·9	+0·7	998·2	84·2	79·1	76·1	31·6	+2·8	79	+8	2·5	—1·0	2	0	2	1	0	26	0	0
	1200	...	992·5	...	995·8	95·3	80·9	75·1	29·5	...	51	...	3·0	...	2	0	1	2	0	25	1	0
Karachi (Air Port)	0000	73	995·9	...	998·4	81·9	79·1	78·0	32·7	...	87	...	5·4	...	0	1	0	0	0	8	18	3
	0300	...	997·1	...	999·6	83·4	79·8	78·2	33·1	...	85	...	6·6	...	1	0	0	0	0	7	18	5
	1200	...	995·2	...	997·6	86·5	80·9	78·7	33·5	...	78	...	5·1	...	0	0	1	0	0	16	13	1
Karachi (Manora)	0000	13	997·9	...	998·5	82·3	79·5	78·6	33·4	...	87	...	6·5	...	0	0	0	0	0	6	16	2
	0300	...	999·0	+0·5	999·5	82·9	80·1	78·9	33·8	+1·0	87	+1	7·1	+1·0	0	0	0	0	0	6	17	4
	1200	...	996·9	...	997·3	85·6	81·4	79·9	34·6	...	84	...	6·0	...	0	0	0	0	0	11	20	0

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF JULY 1952—*contd.*

Sub-Division and Station	Hours of Observation	Height of bar cistern above mean sea level	Mean pressure: Stn. level reduced to standard temp. and gravity	Mean pressure: Departure from normal	Mean pressure: Reduced to standard temp. & M.S.L. or nearest Gpkm level	Mean temperature of the air & humidity: Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Total Cloud amount: Mean amount	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										
Badin	0000	31	996·7	...	997·7	82·9	78·7	77·0	31·7	...	83	...	1·0	...	0	4	0	0	1	21	0	1	4
	0300	...	998·6	+1·5	999·7	85·5	79·5	77·1	31·7	+0·3	75	—4	1·1	—3·8	0	2	0	1	1	24	0	0	3
	1200	...	996·0	...	997·0	90·1	79·6	75·0	29·6	...	63	...	1·4	...	0	1	0	0	1	25	0	1	3
HILL STATION EXCLUDING KASHMIR AND BALUCHISTAN																							
Murree	0000	7,113	779·3	...	794·8	61·8	59·8	58·2	16·9	...	89	...	5·0	...	1	1	2	9	2	1	0	9	6
	0300	...	780·6	+0·3	796·0	66·2	61·6	58·8	17·0	—0·2	77	—1	4·6	+0·5	0	0	4	6	2	0	9	4	6
	1200	...	779·4	...	794·6	69·4	65·2	62·8	19·7	...	80	...	6·1	...	0	0	5	6	1	4	7	4	4
Cherat	0000	4,272	861·8	...	892·3	72·8	70·3	69·2	24·3	...	88	...	3·1	...	2	0	0	1	27	0	0	0	1
	0300	...	863·1	+1·2	893·1	74·9	71·4	69·2	24·8	+4·2	84	+12	3·8	+0·7	5	0	0	3	16	2	0	1	4
	1200	...	861·0	...	890·5	84·0	76·6	72·7	25·4	...	80	...	3·4	...	1	0	0	6	23	0	0	1	0
Drosh	0000	4,806	845·8	...	891·6	74·8	64·3	57·8	16·3	...	55	...	3·5	...	0	2	1	8	3	7	1	0	9
	0300	...	846·7	—0·6	892·4	77·2	66·3	59·6	17·6	+0·1	54	—2	3·0	+1·6	0	1	1	0	1	3	1	0	24
	1200	...	842·3	...	886·4	90·7	67·0	50·4	13·0	...	27	...	3·9	...	0	2	0	0	0	19	9	9	1
Parachinar	0000	5,673	820·1	...	793·9	67·8	63·2	60·6	18·2	...	79	...	2·7	...	7	2	0	0	0	0	2	3	17
	0300	...	820·8	+0·4	794·9	73·9	65·2	60·5	18·1	+0·7	64	+4	2·4	—0·1	0	0	1	1	0	1	0	1	27
	1200	...	819·3	...	793·7	78·0	66·5	60·6	18·1	...	55	...	5·0	...	0	4	0	22	1	1	1	1	1
Wana	0300	4,503	853·6	...	890·2	78·4	71·2	67·5	23·2	+3·6	69	+7	1·9	+0·4	0	3	0	4	0	1	0	2	21
	1200	...	851·4	...	887·4	83·4	73·3	68·6	23·7	...	61	...	3·9	...	1	2	5	6	0	0	0	8	9
AFGHANISTAN																							
Jalalabad	(c) 0300	1,950	929·3	...	886·4	88·6	76·1	70·8	25·7	...	56	...	1·9	...	0	1	7	1	0	1	0	1	17
	(c) 1200	...	925·4	...	884·0	99·7	79·7	69·3	26·5	...	41	...	2·7	...	0	5	21	1	0	0	0	0	1
Kabul	0300	5,955	815·5	...	798·1	70·2	57·1	46·8	11·2	+0·4	45	+7	1·5	+0·9	3	2	2	1	0	3	10	9	1
	1200	...	812·7	...	796·0	88·6	62·9	44·8	10·3	...	22	...	2·2	...	13	11	2	2	1	0	0	2	0
Kandahar	0300	3,462	880·6	...	886·2	74·7	64·6	58·2	16·7	...	57	...	0·8	...	0	2	0	0	0	0	0	0	29
	1200	...	877·7	...	883·2	94·9	74·4	64·3	20·7	...	37	...	0·6	...	0	1	0	0	0	1	0	0	29
IRAN																							
Jask	0300	13	997·2	...	998·0	87·9	83·7	82·2	37·5	...	84	...	0·9	—1·2	2	1	21	0	2	1	3	0	1
	1200	...	995·4	...	995·7	94·0	87·9	85·7	42·3	...	78	...	0·5	...	0	0	2	1	10	16	2	0	0
ARABIA																							
Muscat	0300	20	997·0	...	997·5	87·8	83·6	82·0	37·0	...	84	...	3·2	—0·6	1	10	4	1	1	0	1	7	6
	1200	...	995·4	...	995·9	89·6	83·6	81·7	36·4	...	77	...	1·5	...	3	13	3	4	2	1	0	5	0
Kuwait †	0300	16	998·6	...	999·2	94·5	75·2	64·2	21·1	...	38	...	0·1	...	2	0	0	0	0	0	13	14	2
	1200	...	996·2	...	996·7	100·5	80·0	69·3	25·6	...	39	...	1·3	...	7	1	3	1	0	0	10	8	1

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF JULY 1952

Sub-Division and Station	Maximum temperature of the air °F: Mean	Departure from normal	Highest	Date	Minimum temperature of the air °F: Mean	Departure from normal	Lowest	Date	Precipitation (Inches): Total of the month	Departure from normal	Heaviest fall in 24 hours	Date	Days with 0.10" or more	Departure from normal	Wind velocity (Knots): Mean	Departure from normal	Weather Number of days: Thunder heard	Hail	Visibility Code figure 93 or less: Fog	Haze (dust)	Dust-storm
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
EAST PAKISTAN (North)																					
Pabna ...	88·5	—1·2	95	8, 10	78·7	+2·3	73	12	11·00	—0·09	2·48	15	19	+2·4	×	...	0	0	0	0	0
Rajshahi ...	...	...	...	...	...	...	...	...	11·80	+0·67	3·50	13	12	—3·3	...	...	0	0	0	0	0
Sirajganj ...	84·4	...	88	20	78·3	...	75	11	15·76	+3·98	4·32	11	21	+4·9	×	...	0	0	0	0	0
Bogra ...	90·0	+0·8	98	6	79·0	+0·5	75	11, 14	13·09	+0·26	2·35	17	19	+2·2	3·3	+1·3	11	0	0	0	0
Dinajpur ...	89·2	0·0	94	21	78·3	—0·6	74	3, 12, 14	21·52	+6·05	4·78	3	15	—1·7	3·7	+1·2	0	0	0	0	0
Rangpur ...	...	...	...	...	...	...	...	...	20·88	+4·87	4·90	13	14	—1·0	...	...	0	0	0	0	0

(c) Mean of 28 days. (†) Observations recorded at 0600 hours G.M.T. instead of 0300 hours G.M.T. (×) Data not available.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF JULY 1952—*contd.*

Sub-Division and Station	Maximum temperature of the air °F				Minimum temperature of the air °F				Precipitation (Inches)						Wind velocity (Knots)		Weathers 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
EAST PAKISTAN (East)																					
Cox's Bazar ...	86·4	0·1	91	4 days	77·8	+0·4	75	10 days	50·20	+14·68	6·64	29	24	+1·0	5·7	+1·4	3	0	0	0	0
Chittagong ...	85·9	—0·1	91	4	77·5	+0·8	75	12, 24, 29	17·13	—6·40	3·56	29	20	+1·1	5·6	—1·4	0	0	0	0	0
Maijdee (Noakhali)	86·5	+0·7	90	4	78·0	—0·2	73	13	28·66	+5·10	5·60	5	26	+3·0	×	...	0	0	0	0	0
Brahmanbaria ...	88·8	—0·7	93	20	78·1	+2·3	76	4 days	15·54	+4·23	3·82	20	17	+0·4	×	...	0	0	0	0	0
Comilla ...	86·4	—1·3	91	20, 21	77·6	+0·5	71	14	25·15	+8·73	5·85	1	17	—1·8	5·8	+1·1	0	0	0	0	0
Narayanganj ...	89·1	+0·9	94	10	78·7	—0·2	76	5 days	13·42	+0·45	2·03	12	22	+4·3	5·0	+0·6	1	0	0	0	0
Srimangal ...	89·0	—1·3	94	20	76·7	+0·3	74	11, 12	20·37	+6·46	3·21	10	22	+1·2	3·3	+0·1	11	0	0	0	0
Mymensingh ...	87·3	—0·6	90	5, 8, 31	78·6	+0·3	76	1	15·68	—0·34	2·64	11	19	—0·2	2·7	+0·4	3	0	0	0	0
EAST PAKISTAN (Deltaic)																					
Faridpur ...	87·5	—0·3	94	14	78·1	—0·4	74	8	19·37	+6·63	3·91	11	24	+6·2	×	...	5	0	0	0	0
Barisal ...	86·7	—0·6	91	7, 8, 10	78·5	+0·1	76	8, 29	30·13	+13·81	8·29	15	27	+5·9	4·2	+1·2	3	0	0	0	0
Khulna ...	87·6	—0·3	93	1, 10, 14	78·1	—0·5	75	8, 15	20·12	+5·68	3·51	12	18	—3·1	3·4	—0·3	0	0	0	0	0
Jessore ...	88·1	0·0	94	3, 8, 14	77·7	—0·3	74	16	12·06	—0·16	2·14	15	21	+3·3	4·6	+2·0	0	0	0	0	0
Satkhira ...	87·0	—1·5	93	8	78·6	+0·2	75	15	20·90	+7·40	4·90	26	23	+4·6	3·2	+0·8	0	0	0	0	0
KASHMIR																					
Srinagar × ...																					
Gulmarg × ...																					
Dras × ...																					
Leh × ...																					
Skardu × ...																					
Gilgit × ...																					
Misgar ...	74·8	...	86	14, 15	52·8	...	44	1	0·60	...	0.35	16	2	...	5.0	...	0	0	0	0	0
Jammu × ...																					
Kargil × ...																					
Gurez × ...																					
NORTH PUNJAB																					
Lahore ...	97·3	—2·3	109	7	79·5	—0·6	70	1	5·72	+0·27	1·17	10	9	+3·1	3·1	+0·9	12	0	0	0	3
Sialkot ...	90·5	—6·9	106	7	81·6	+2·0	72	29	8·76	+0·41	1·55	24	13	+4·0	2·6	+0·7	12	0	0	0	5
Jhelum ...	95·1	...	107	8	78·5	...	71	29	7·39	...	1·40	15	12	...	1·9	...	15	0	0	3	4
Rawalpindi ...	95·5	—2·3	107	7, 8	76·8	—0·3	69	2, 28	11·71	+3·64	3·35	17	12	+3·2	2·3	+0·6	12	0	0	0	0
Khushab ...	100·4	—1·8	111	8	82·2	—0·2	75	1	2·13	—1·77	1·53	20	5	+0·7	5·5	+0·2	1	0	0	0	1
Lyallpur ...	97·5	—4·0	107	8	80·9	—1·8	74	1	5·23	+2·37	1·73	1	6	+2·2	3·1	+0·3	11	0	0	0	0
SOUTH PUNJAB																					
Montgomery ...	100·5	—2·4	109	8	81·3	—2·4	74	1	1·62	—0·80	0·75	28	2	—1·3	2·9	—1·9	1	0	0	0	0
Multan ...	102·9	+0·5	114	8	84·5	—1·0	73	2	2·71	+0·70	1·30	21	7	+4·7	3·1	+0·9	0	0	0	0	0
Fort Abbas ...	102·9	...	111	8	*	...	...	...	3·41	...	2·20	1	6	...	7·2	—2·5	0	0	0	0	0
Bahawalpur ...	103·0	—0·3	111	8	83·6	—0·1	73	3	3·27	+0·83	1·40	21	3	—0·2	3·0	—1·5	0	0	0	0	0
Khanpur ...	106·3	+0·9	113	8	82·7	—0·4	71	23	7·22	+4·70	2·32	21	7	+4·1	6·2	—1·0	10	0	0	0	0
N.-W.F.P. (Upper)																					
Chakdara ...	96·2	...	103	7, 8	74·7	...	69	26	3·19	...	1·03	19	6	...	4·7	...	5	0	0	3	1
Peshawar ...	99·2	—3·3	108	7, 8	79·2	—1·0	73	15	0·01	—1·25	0·01	28	0	—2·0	4·0	+2·0	12	0	0	0	5
Landikotal ...	93·2	...	100	8	75·0	...	67	30	0·24	...	0·19	21	1	...	4·6	...	4	0	0	0	0
N.-W.F.P. (Lower)																					
Bannu ...	98·8	—4·3	107	8	81·3	—1·2	72	20, 27	1·75	—0·46	1·24	28	3	—0·2	4·0	...	5	0	0	0	7
Miranshah (R) ...																					
D. I. Khan ...	98·9	—4·4	107	6, 8	80·9	—1·8	74	29	0·41	—1·88	0·35	29	1	—1·8	2·8	+1·0	1	0	0	0	3

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

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF JULY 1952—*contd.*

Sub-Division and Station	Maximum temperature of the air °F				Minimum temperature of the air °F				Precipitation (Inches)						Wind velocity (Knots)		Weather Number of days				
	Mean	Departure from normal	Highest	Date	Mean	Departure from normal	Lowest	Date	Total of the month	Departure from normal	Heaviest fall in 24 hours	Date	Days with 0.10" or more	Departure from normal	Mean	Departure from normal	Thunder heard	Hail	Visibility Code figure 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
BALUCHISTAN (North)																					
Fort Sandeman ...	97·3	—2·0	106	9, 10	74·2	—0·9	66	17	4·85	+2·71	2·65	16	7	+3·2	×	...	0	0	0	0	1
Hindubagh ...	94·3	...	101	7, 8	67·9	...	60	2	×	...	..	...	...	...	6·1	...	4	0	0	0	3
Loralai ...	92·6	...	100	1, 8, 9	69·2	...	62	1	3·01	+1·47	1·25	20	5	+2·1	3·8	...	6	0	0	0	0
Harnai ...	...	...	...	...	...	...	...	...	4·37	+1·27	1·74	20	6	+1·0	...	...	0	0	0	0	1
Sibi ...	108·0	+0·2	116	8	87·5	+0·3	77	22	1·27	—0·13	0·85	24	2	—0·6	4·6	—0·6	3	0	0	0	0
Quetta ...	93·9	...	100	7, 8, 9	66·9	...	53	1	0·30	...	0·18	25	2	...	5·9	+3·5	1	0	0	0	0
Quetta (Samungli)	95·5	...	102	8	68·1	...	51	1	0·10	...	0·06	21	0	...	6·5	...	7	0	0	0	0
Chaman ...	100·5	—0·6	106	8	76·0	—0·3	66	1	0·05	—0·02	0·05	22	0	—0·2	6·3	+1·3	0	0	0	0	0
Nushki ...	106·7	...	113	8	80·8	...	77	1, 2	0·00	...	0·00	...	0	...	(b) 9·0	...	0	0	0	0	0
Kalat ...	89·3	—1·8	97	9	62·9	+0·7	52	1	1·31	+0·71	0·98	21	2	+0·5	4·2	+0·2	0	0	0	0	0
Dalbandin ...	108·2	—0·5	113	6, 7	77·1	+0·9	63	1	0·00	—0·12	0·00	...	0	—0·4	5·6	+0·9	1	0	0	0	5
Nokkundi ...	109·1	—0·3	115	6, 14	82·7	—0·9	75	1, 2, 4	0·00	0·00	0·00	...	0	0·0	11·3	—1·1	0	0	0	0	0
BALUCHISTAN (South)																					
Las Bela ...	102·9	+2·1	109	2, 17	×	...	...	...	2·15	—0·48	0·92	19	3	—0·5	3·7	+0·6	3	0	0	0	0
Ormara ...	90·3	+0·1	95	1, 2	81·5	+0·3	78	19, 25	0·27	—0·38	0·16	14	3	+1·7	9·9	+1·3	0	0	0	0	0
Pasni ...	90·3	—0·9	95	1, 2	79·5	+0·6	76	26	0·00	—0·47	0·00	...	0	—0·6	7·7	+1·9	0	0	0	0	1
Turbat ...	106·7	...	117	2	*	...	...	...	0·00	...	0·00	...	0	...	7·5	...	0	0	0	0	0
Panjgur ...	102·0	—1·3	107	8	74·2	—2·1	70	31	0·00	—0·79	0·00	...	0	—1·3	5·4	+0·5	0	0	0	0	0
SIND (Upper)																					
Reti ...	105·4	...	114	8	83·4	...	76	19	0·78	...	0·45	19	2	...	9·9	...	0	0	0	0	0
Jacobabad ...	106·0	—2·0	113	4 days	85·6	+0·6	77	20	0·75	—0·20	0·27	20	4	+2·5	8·4	+1·9	3	0	0	0	2
Sukkur ...	105·1	+0·8	114	8	83·3	+0·3	79	21	1·03	—0·41	0·47	22	3	+1·3	3·7	—0·7	1	0	0	0	1
Pad Idan ...	104·1	...	117	1	82·1	...	77	19, 21	4·52	...	2·87	21	5	...	8·3	...	0	0	0	0	0
SIND (Lower)																					
Umarkot ...	98·5	...	105	3	80·3	...	76	19	2·34	...	0·60	20	5	...	9·6	...	0	0	0	0	7
Chhor ...	96·3	...	102	3	80·6	...	76	18	4·20	...	1·87	20	7	...	10·3	...	6	0	0	1	0
Hyderabad ...	99·0	—0·3	104	4 days	81·8	+0·4	78	21, 22	2·76	—0·22	1·50	22	3	+0·1	8·9	—0·4	2	0	0	0	0
Karachi (Air Port)	90·6	...	95	12	81·0	...	73	18	6·32	...	1·94	22	5	...	11·5	...	5	0	0	0	0
Karachi (Manora) ..	88·0	—0·5	92	5 days	81·1	0·0	75	19, 21	5·57	+2·37	2·19	22	5	+2·5	×	...	1	0	3	0	0
Badin ...	96·7	+1·8	110	17	81·1	—0·1	76	19	2·97	—1·00	1·70	21	5	+1·2	9·0	...	0	0	0	0	0
HILL STATIONS EXCLUDING KASHMIR AND BALUCHISTAN																					
Murree ..	72·8	—3·4	79	7	59·9	+1·0	53	2	16·37	+3·97	4·30	8	16	+2·7	4·5	+0·8	11	0	9	0	0
Cherat ...	87·2	—2·5	97	7, 8	70·1	—1·6	63	28, 29	5·37	+1·73	1·64	15	7	+2·2	5·9	+0·9	9	0	10	0	0
Drosh ...	94·1	—2·6	101	12, 13	72·5	—1·0	67	20	2·02	+1·42	0·57	15	5	+3·5	5·7	+1·3	15	0	0	0	0
Parachinar ...	83·0	—4·1	93	8, 16	66·3	—0·1	62	29	3·76	+0·24	1·40	20	7	+0·1	3·6	+1·4	19	0	0	0	0
Wana ...	91·7	—0·1	100	8	71·6	+0·3	62	31	1·99	+0·26	1·00	31	4	0·0	3·9	...	1	0	0	0	0
AFGHANISTAN																					
Jalalabad (c) ...	102·7	...	111	8	80·0	...	73	1, 21	0·24	...	0·24	21	1	...	4·0	...	0	0	0	0	0
Kabul ...	91·9	—0·1	98	12, 13	60·2	—0·4	50	11	0·00	—0·07	0·00	...	0	—0·3	2·9	+1·0	1	0	0	0	0
Kandahar ...	99·7	...	103	13, 14, 15	67·7	...	60	2, 3, 31	0·02	...	0·02	23	0	...	0·8	...	0	0	0	0	0
IRAN																					
Jask ...	95·7	—0·5	105	2	85·9	+0·7	82	19	0·00	—0·02	0·00	...	0	0·0	10·9	+2·5	0	0	0	0	0
ARABIA																					
Muscat ...	92·2	—2·9	103	1	86·6	—0·6	87	27	0·00	—0·01	0·00	...	0	—0·1	2·8	—0·3	0	0	0	0	0
Kuwait † ...	104·2	...	114	21	86·7	...	82	17	0·00	...	0·00	...	0	...	6·6	...	0	0	0	0	0

× Data not available. * Data rejected. † Observation recorded at 0600 hrs. G.M.T. instead of 0300 hrs. G.M.T. (b) Mean of 29 days. (c) Data for 28 days.

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WEATHER BUREAU

PAKISTAN WEATHER REVIEW, 1952

Monthly Weather Report

August

PUBLISHED BY THE AUTHORITY OF THE GOVERNMENT OF PAKISTAN

Chief Features :—(1) Marked rain/thundershowers activity over West Pakistan.
(2) Three depressions formed in the Bay of Bengal.

WEST PAKISTAN

A monsoon low affected the Punjab and the adjoining North-West Frontier Province during the first week causing fairly Widespread thundershowers over the Punjab and scattered in the North-West Frontier Province, North Baluchistan and Sind. A low pressure wave moving east-wards across the extreme north of the region caused scattered rain/thundershowers over the North-West Frontier Province hills on a few days.

During the next two weeks four low pressure waves moved across the extreme north of the region caus'ng marked rain/thunderstorm activity over the North-West Frontier Province hills and the north Punjab on most of the days. Although two low pressure waves moving eastwards across the extreme north of West Pakistan and a monsoon low laying over the Indian region affected the region, thunderstorm activity was weak and confined to the the North West-Frontier Province and the Punjab during the last ten days of the month.

Chief amounts of rainfall recorded during the month were:—

Fort Sandeman 1" on the 1st; Murree and Chakdara 1" each, on the 4th; Sialkot, D.I.Khan and Fort-Sandeman 1,1/2" each, Parachinar 1", on the 5th; Murree 1,1/2", Khanpur and Bahawalpur 1" each on the 6th; Khanpur and Reti 1" each on the 7th; Sialkot 2" on the 8th; Rawalpindi and Murree 1" each on the 10th; Rawalpindi 1,1/2" on the 11th and 12th; Murree 2", Rawalpindi and Cherat 1,1/2" each, Sialkot 1" on the 13th; Khushab 1" on the 14th ; Sialkot 2" on the 17th; Sialkot 3" on the 18th; Rawalpindi 3", Sialkot 1,1/2" on the 19th ; Khushab 1,1/2" on the 20th; Murree 1,1/2", Sialkot 1" on the 26th ; Khushab 1" on the 28th.

The mean actual rainfall was normal over the north Punjab, in moderate defect over the south Punjab, lower North-West Frontier Province and north Baluchistan and in large defect elsewhere. Averaged over the region as a whole, excluding Baluchistan, it was in slight defect.

The mean maximum and minimum temperatures, and mean relative humidity were normal over the region except that maximum temperature in the lower North West Frontier Province and relative humidity in south Baluchistan were below normal.

Skies were more clouded than usual over the lower North-West Frontier Province and less clouded over the south Punjab, north Baluchistan and upper Sind. They were clouded as usual elsewhere.

EAST PAKISTAN

The shallow depression of the last month moved into the Indian region on the 1st. It continued to move northwestward and finally weakened over East Rajputana on the 5th.

The next depression formed in the north Bay of Bengal on the 8th but weakened the next day and moved inland over Orissa on the 10th. It caused moderate monsoon activity over the East Pakistan from 9th to 12th. The second depression formed over the head Bay on the 13th, moved inland over the Indian region on the 14th and weakened into a low thereafter.

Monsoon over East Pakistan continued moderately strong till the end of the month when a depression formed on the 31st with its central region near 18,1/2°N and longitude 89°E.

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

Cox's Bazar 2" on the 3rd; Cox's Bazar 3", Bogra 1,1/2" on the 4th; Sirajganj 2", Noakhali 1" on the 5th; Comilla 4" on 8th, and 1" on 9th; Cox's Bazar 1,1/2" on the 10th ; Cox's Bazar 1,1/2", Comilla and Noakhali 1" each on the 11th; Jessore 1,1/2", Satkhira 1" on the 12th ; Cox's Bazar 1" on the 15th; Cox's Bazar 3", Chittagong 1" on the 16th; Cox's Bazar 1, 1/2", Mymensingh 1" on the 17th ; Cox's Bazar and Satkhira 3" each, Jessore and Sirajganj 1, 1/2" each, Barisal 1" on the 18th; Srimangal 2" on the 19th; Srimangal 1,1/2" on the 21st; Noakhali 1,1/2" on the 22nd; Comilla 1,1/2" on the 23rd ; Cox's Bazar and Faridpur 1" each on the 24th ; Chittagong and Barisal 3" each, Satkhaira 2", Comilla 1,1/2"; Cox's Bazar, Khulna and Jessore 1" each on the 25th; Noakhali, Comilla, Barisal and Sirajganj 2" each, Cox's Bazar, Chittagong, Brahmanbaria and Bogra 1,1/2" each, Srimangal and Dinajpur 1" each on the 26th ; Mymensingh 4", Chittgong, Brahmanbaria and Sirajganj 3" each, Bogra 2", Cox's Bazar and Comilla 1,1/2" each, Dinajpur 1" on the 27th; Comilla and Dinajpur 2" each, Bogra and Rangpur 1" each on 28th; Mymensingh 1" on the 29th; Brahmanbaria and Faridpur 1" each on the 31st.

The mean actual rainfall was in moderate defect over each sub-division taken separately as well as over region as a whole.

The mean maximum and minimum temperatures, mean relative humidity and cloudiness were all normal over the region except that the minimum temperature in the Northern sub-division was above normal.

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

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TABLE I.—DIVISIONAL AND SUB-DIVISIONAL MEANS—AUGUST, 1952.

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		°	°	mb.	%	
East Pakistan	10·04	14·87	—4·83	—32	+0·6	+1·1	+0·6	—1	+0·5
Mean of East Pakistan	10·04	14·87	—4·83	—32	+0·6	+1·1	+0·6	—1	+0·5
Punjab	4·20	4·30	—0·10	—2	—0·3	—0·2	+0·8	+3	—0·3
N.-W. F. P.	0·85	2·01	—1·16	—58	—2·1	—0·7	+0·6	+3	+0·3
Baluchistan	0·33	0·70	—0·37	—53	—0·6	—1·3	—1·7	—4	—0·3
Sind	0·00	1·40	—1·40	—100	+0·1	—0·5	—1·6	—2	+0·1
Mean of West Pakistan excluding Baluchistan	2·21	2·93	—0·72	—25	—0·5	—0·4	—0·1	+1	—0·1
SUB-DIVISION									
East Pakistan (North)	8·46	11·77	—3·31	—28	+0·4	+2·3	+0·8	—2	+0·6
East Pakistan (East)	12·70	18·17	—5·47	—30	+0·6	+1·0	+0·3	—1	+0·5
East Pakistan (Deltaic)	8·72	12·69	—3·97	—31	+0·8	+0·7	+1·0	0	+0·5
Kashmir*									
North Punjab	6·72	6·14	—0·58	—9	—0·8	—0·1	+0·9	+4	+0·2
South Punjab	1·05	1·99	—0·94	—47	+0·2	—0·5	+0·6	+2	—0·9
N.-W. F. P. (Upper)	0·02	2·03	—2·01	—99	—1·6	—1·4	—0·5	+2	—0·2
N.-W. F. P. (Lower)	1·27	1·9	—0·72	—36	—2·5	—0·4	+1·1	+4	+0·5
Baluchistan (North)	0·55	0·89	—0·34	—38	—1·1	—1·5	—1·1	—1	—0·5
Baluchistan (South)	0·00	0·42	—0·42	—100	0·0	—1·0	—2·5	—8	—0·1
Sind (Upper)	0·00	1·00	—1·00	—100	—0·3	—1·1	—3·0	—3	+0·7
Sind (Lower)	0·01	1·79	—1·78	—99	+0·4	+0·1	—0·3	—1	—0·3

*Data incomplete.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF AUGUST, 1952.

Sub-Division and Station	Hours of Observation	Height of bar cistern above mean sea level	Mean pressure: Stn. level reduced to standard temp. and gravity	Mean pressure: Departure from normal	Mean pressure: Reduced to standard temp. and M.S.L. or nearest GPKM level	Mean temperature of the air and humidity: Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Total Cloud amount: Mean amount	Departure from normal	Wind direction. Number of observations from :— N	NE	E	SE	S	SW	W	NW	Calms
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	mbs.	mbs.	%	%	Oktas										
EAST PAKISTAN North																							
Pabna	0300	...	...	...	...	85·0	80·7	78·0	33·5	+0·2	81	—4	...	...									
Sirajganj	0000	49	998·6	...	1000·4	80·5	79·4	79·2	34·5	...	96	...	7·7	...	0	0	6	18	2	1	0	0	4
	0300	...	1000·4	...	1002·1	83·3	80·4	79·2	33·6	...	87	...	7·8	...	0	0	7	18	1	1	0	0	4
	1200	...	996·9	...	998·6	84·5	82·3	81·4	37·7	...	92	...	6·8	...	0	0	5	17	1	0	0	0	8
Bogra	×0000	65	998·7	...	1000·8	80·4	79·0	78·6	32·6	...	93	...	7·7	...	0	0	4	1	0	0	0	0	26
	0300	63	999·5	—1·0	1001·6	83·4	80·2	78·9	33·6	+1·4	87	0	6·7	+0·6	0	1	15	10	3	2	0	0	0
	1200		996·4	...	998·5	85·7	80·7	78·6	33·9	...	80	...	6·0	...	0	0	12	12	3	1	0	0	3
Dinajpur	0000	123	997·7	...	1001·9	80·4	78·8	78·5	32·6	...	93	...	6·0	...	0	3	7	1	0	0	0	0	20
	0300	...	999·0	+0·8	1003·2	84·3	80·0	78·3	32·4	—0·6	81	—6	6·6	+0·7	0	1	16	0	0	0	0	0	14
	1200	...	995·6	...	999·7	85·8	80·9	79·0	33·9	...	80	...	5·4	...	0	1	8	0	1	0	1	0	20
EAST PAKISTAN East																							
Cox's Bazar	×0000	10	1001·8	...	1002·1	77·7	76·9	76·5	31·3	...	95	...	6·7	...	0	0	15	11	2	1	0	0	2
	0300	38	1002·5	—0·4	1003·8	82·1	78·8	77·5	31·7	0·0	85	—3	5·6	—0·6	0	0	0	17	10	0	0	0	10
	1200	...	1000·1	...	1001·5	81·7	78·4	77·1	31·7	...	85	...	6·5	...	0	0	0	11	16	0	0	0	4
Chittagong	0300	87	999·8	—1·5	1002·8	82·8	78·2	75·9	31·3	0·0	81	—5	6·0	—0·3	0	0	2	21	7	0	0	0	1
	1200	...	997·8	...	1000·8	81·7	78·3	77·1	31·7	...	85	...	6·5	...	0	0	0	14	13	3	1	0	0
Noakhali (majdee) ...	0000	25	1000·0	...	(c) 1000·7	(c) 79·5	(c) 77·9	(c) 76·7	31·5	...	93	...	6·8	...	0	0	0	(c) 15	2	0	0	0	11
	0300	...	1001·3	—1·5	(a) 1002·1	(a) 82·0	(a) 78·9	(a) 77·4	32·5	—0·1	87	0	6·3	+0·9	0	0	(a) 0	17	1	2	0	0	10
	1200	...	998·7	...	(a) 999·5	(a) 83·1	(a) 79·3	(a) 77·1	32·0	...	83	...	6·0	...	0	0	(a) 0	23	1	1	0	0	5
Brahmanbaria	0000	32	1001·2	...	1002·3	79·6	77·7	77·0	31·9	...	91	...	6·0	...	0	0	2	7	12	1	0	0	9
	0300	...	1002·0	...	1003·1	84·3	79·5	77·5	31·6	+1·0	79	—1	5·1	...	0	0	3	11	12	1	0	0	4
	1200	...	999·0	...	1000·1	85·0	80·7	78·8	33·5	...	81	...	5·6	...	0	0	0	8	10	1	0	0	12
Comilla	0000	29	1000·6	...	1001·6	78·3	77·1	76·5	31·3	...	95	...	7·3	...	0	0	7	16	4	0	0	0	4
	0300	...	1001·6	—1·3	1002·6	82·5	78·8	77·2	32·8	+0·7	85	+1	6·5	+0·9	0	2	0	21	6	2	0	0	0
	1200	...	999·2	...	1000·2	84·4	80·4	78·3	33·2	...	83	...	6·7	...	0	0	0	11	19	1	0	0	0
Narayanganj	0000	26	1000·7	...	1001·6	80·9	78·5	78·[illegible]	32·2	...	89	...	7·4	...	0	0	11	13	5	1	1	0	0
	0300	...	1001·6	—0·7	1002·5	84·8	79·9	77·9	32·7	—0·1	79	—7	7·5	+0·6	0	0	6	16	7	2	0	0	0
	1200	...	998·9	...	999·7	85·1	79·5	77·2	31·9	...	77	...	6·6	...	0	0	0	10	20	1	0	0	0
Srimangal	0000	69	1000·0	...	1002·4	77·0	76·2	75·4	30·2	...	95	...	7·0	...	0	1	1	6	7	0	0	0	16
	0300	...	1001·0	—0·7	1003·3	81·1	78·5	77·4	32·2	+0·4	89	+4	6·5	+1·2	0	1	5	11	11	0	0	0	3
	1200	...	997·4	...	999·7	83·5	80·5	79·3	33·6	...	87	...	6·7	...	2	2	0	8	8	5	4	0	2
Mymensingh	0000	62	999·3	...	1001·5	80·6	79·3	78·7	33·7	...	93	...	7·7	...	0	0	5	0	0	0	0	0	26
	0300	...	1000·6	—0·8	1002·8	83·3	80·1	78·7	33·6	+0·9	87	0	7·7	+0·9	0	0	17	0	0	0	0	0	14
	1200	...	997·4	...	999·6	85·5	80·8	78·9	33·5	...	81	...	7·2	...	0	0	6	0	0	0	0	0	25
EAST PAKISTAN Deltaic																							
Faridpur...	0000	46	998·8	...	1000·4	80·1	78·7	78·2	32·6	...	93	...	7·1	...	0	0	0	7	7	0	0	0	17
	0300	...	999·9	—1·4	1001·5	83·6	80·1	78·1	34·0	+0·7	85	—1	6·7	+0·7	0	0	0	14	13	0	0	0	4
	1200	...	997·5	...	999·1	84·3	80·3	78·1	33·2	...	83	...	6·7	...	0	0	0	11	14	1	0	0	5
Barisal	0000	11	1000·2	...	1000·6	79·8	78·7	78·5	33·4	...	96	...	7·4	...	0	0	4	9	6	2	0	0	10
	0300	...	1001·6	—0·9	1002·0	83·2	80·0	78·7	33·6	+0·8	87	+1	7·3	+1·1	0	0	7	15	3	2	0	0	4
	1200	...	998·9	...	999·3	83·7	79·6	77·8	33·2	...	83	...	7·6	...	0	0	0	14	13	4	0	0	0
Khulna	0000	16	999·3	...	999·8	80·1	78·6	78·2	32·6	...	93	...	5·9	...	0	1	4	16	1	1	0	0	8
	0300	...	1001·3	—0·6	1001·8	84·3	80·1	78·3	33·2	+0·6	83	—1	6·6	—0·2	0	1	2	20	2	2	1	0	5
	1200	...	998·6	...	999·1	83·8	79·5	77·5	32·4	...	81	...	3·8	...	0	0	0	23	1	2	0	0	5

× Observations at 0000 hur. G.M.T. recorded from a distant site by the P. D. O. staff.

(a) Mean for 30 days.
(c) Mean for 28 days.

TABLE II.— ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF AUGUST, 1952.

Sub-Division and Station	Hours of Observation	Height of bar. cistern above mean sea level	Mean pressure: Stn. level reduced to standard Temp. and gravity	Mean pressure: Departure from normal	Mean pressure: Reduced to standard temp. and M.S.L. or nearest GPKM level	Mean temperature of the air and humidity: Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Total Cloud amount: Mean amount	Departure from normal	Wind direction Number of observations from :— N	NE	E	SE	S	SW	W	NW	clam
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	GMT	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	mbs.	mbs.			Oktas										
Jessore	0000	26	999·3	...	1000·2	79·7	78·7	78·7	33·4	...	96	...	5·7	...	0	0	1	9	5	0	0	0	16
	0300	...	1000·4	—1·2	1001·3	84·8	81·2	79·9	35·1	+1·7	85	—1	5·8	—0·5	0	0	4	11	12	1	0	0	3
	1200	...	998·0	...	998·9	84·5	80·7	79·1	34·3	...	83	...	6·3	...	0	0	9	3	15	0	0	0	4
Satkhira	0000	16	999·5	...	1000·0	80·0	79·1	78·1	33·4	...	96	...	7·0	...	0	11	0	10	0	1	0	2	7
	0300	...	1000·4	—1·1	1000·9	84·0	80·9	79·5	34·8	+1·2	87	+1	7·0	+1·2	0	11	1	13	1	3	0	0	2
	1200	...	998·3	...	998·9	84·1	81·1	79·2	34·8	...	87	...	7·4	...	0	6	0	15	0	4	0	3	3
KASHMIR																							
Srinagar ×	0000	5,205																					
	0300																						
	1200																						
Gulmarg ×	0000	8,709																					
	0300																						
	1200																						
Dras ×	0000	10,059																					
	0300																						
	1200																						
Leh ×	0000	11,529																					
	0300																						
	1200																						
Skardu ×	0000	7,505																					
	0300																						
	1200																						
Gilgit ×	0000	4,890																					
	0300																						
	1200																						
Misgar	0000	10,190	696·3	...	705·1	56·4	45·3	34·0	6·8	...	44	...	4·1	...	0	0	3	0	0	0	10	0	18
	0300		697·4	...	706·2	56·3	46·2	36·4	7·5	...	49	...	4·0	...	0	0	5	0	0	0	10	0	16
	1200		693·8	...	702·3	73·0	52·5	35·4	7·1	...	25	...	3·6	...	0	0	19	0	0	0	8	0	4
Jammu ×	0000																						
	0300																						
	1200																						
Kargil ×	0000																						
	0300																						
	1200																						
NORTH PUNJAB																							
Lahore	0000	702	974·3	...	998·1	80·1	77·6	76·4	31·2	...	89	...	3·8	...	0	5	3	7	1	1	0	0	14
	0300		975·7	—0·4	999·3	83·7	79·1	76·9	31·9	+2·1	81	+8	4·2	+1·1	0	3	2	15	1	0	2	0	8
	1200		973·1	...	996·3	93·2	81·9	77·2	32·1	...	59	...	3·7	...	0	2	1	14	1	1	1	1	10
Sialkot	0000	830	969·7	...	997·8	79·2	76·9	76·0	29·8	...	90	...	5·3	...	1	10	7	2	0	0	0	1	10
	0300		971·0	—1·3	999·0	81·5	77·7	76·0	30·7	—0·2	84	0	5·4	+2·0	3	5	1	6	1	0	0	2	13
	1200		968·9	...	996·5	89·9	81·2	77·4	32·4	...	67	...	3·7	...	1	1	2	9	0	1	1	2	14
Jhelum	0000	765	972·2	...	998·2	79·3	76·8	75·7	30·3	...	89	...	4·5	...	1	0	3	3	2	0	0	0	22
	0300	...	973·7	...	999·6	81·7	77·0	75·0	29·6	...	81	...	4·6	...	0	1	5	4	3	0	1	2	15
	1200		970·8	...	996·1	91·6	80·6	75·9	30·7	...	60	...	3·5	...	0	0	2	7	2	3	2	0	15
Rawalpindi	0000	1,676	942·4	...	888·3	76·7	74·2	72·9	27·8	...	89	...	3·6	...	1	1	0	0	0	0	0	0	29
	0300		943·7	—0·7	889·8	80·8	75·7	73·5	28·3	+0·5	79	+5	3·2	—0·2	1	1	1	2	0	1	0	0	25
	1200		940·9	...	888·1	90·0	80·5	76·8	31·7	...	65	...	2·4	...	0	0	0	2	2	0	0	0	27
Khushab	0000	616	976·9	...	997·7	82·0	78·1	76·5	31·1	...	83	...	1·2	...	3	8	12	5	2	0	0	0	1
	0300		978·3	—0·8	999·0	85·2	78·7	76·0	30·5	+0·7	73	+3	1·5	—0·9	3	4	15	6	1	0	0	1	1
	1200		975·1	...	995·4	96·8	80·3	73·7	27·8	...	47	...	1·7	...	1	5	11	12	2	0	0	0	0
Lyallpur	0000	605	976·9	...	997·2	81·9	77·8	76·0	30·7	...	83	...	3·1	...	0	0	0	7	7	2	0	0	15
	0300		978·5	—0·5	998·9	84·6	78·6	76·0	30·7	+1·6	75	+4	2·4	—1·0	2	2	0	5	7	3	2	1	9
	1200		975·6	...	995·7	96·2	81·4	74·8	29·9	...	51	...	3·4	...	1	3	2	8	6	2	0	0	9

× Data not available.

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Sub-Division and Station	Hours of Observation	Height of bar. cistern above mean sea level	Mean pressure: Stn. level reduced to standard temp. and gravity	Mean pressure: Departure from normal	Mean pressure: Reduced to standard temp. and M.S.L. or nearest GPKM level	Mean temperature of the air and humidity: Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Total Cloud amount: Mean amount	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	mbs.	mbs.	%	%	Oktas.										
SOUTH PUNJAB																							
Montgomery	0000	558	978·3	...	997·1	82·8	77·2	74·7	29·4	...	77	...	1·4	...	0	0	0	7	0	7	0	0	17
	0300		979·6	—1·0	998·3	86·6	78·6	75·0	29·8	—1·3	69	—6	1·3	—0·6	0	0	0	10	1	11	0	0	9
	1200		977·4		995·8	97·8	80·8	73·5	28·2		46		1·9		0	0	0	10	0	4	0	0	17
Multan	0300	413	983·5	—1·5	997·4	86·8	80·4	78·1	32·5	+0·8	74	+1	0·6	—1·2	0	2	2	1	13	9	1	0	3
	1200		981·6	...	995·2	99·4	83·4	78·3	31·7	...	49	...	0·8	...	2	0	0	3	8	9	1	2	6
Fort Abbas	0000	475	981·9	...	998·1	82·5	76·5	73·1	28·5	...	75	...	1·3	...	6	1	0	1	0	21	0	0	2
	0300		983·6	...	999·7	86·5	77·4	73·0	28·0	...	65	...	1·3	...	6	1	0	0	0	23	0	0	1
	1200*																						
Bahawalpur	0300	384	986·3	0·0	999·3	85·6	79·3	76.9	31·3	—0·1	74	+2	1·0	—1·2	0	0	1	0	2	23	0	0	5
	1200		982·9	...	995·4	99·3	83·0	76·2	31·1	...	48	...	1·2	...	1	0	1	0	3	6	3	0	17
Khanpur	0300	297	988·8	—0·5	999·0	83·4	78·4	75·8	30·9	+2·9	79	+10	1·5	—0·7	0	0	0	0	10	17	2	0	2
	1200		985·5	...	995·5	99·6	83·5	74·8	31·8	...	49	...	1·2	...	1	1	0	0	5	7	13	4	0
N.-W. F. P. (Upper)																							
Chakdara	0000	2,197	923·6	...	888·9	75·0	70·8	68·8	24·1	...	82	...	3·1	...	0	2	3	3	1	3	2	0	17
	0300		924·6	...	890·1	78·9	72·5	69·0	25·9	...	72	...	2·7	...	0	5	7	1	4	3	2	1	8
	1200		922·2	...	888·5	90·9	77·4	71·2	26·6	...	53	...	1·4	...	0	0	1	3	10	13	4	0	0
Peshawar	0000	1,175	958·1	...	997·7	79·5	73·7	70·3	25·8	...	74	...	3·2	...	8	0	0	0	0	0	1	9	13
	0300		959·6	—1·0	998·9	82·7	75·2	71·2	26·4	—0·5	69	+2	3·0	—0·2	10	4	0	0	1	0	0	7	9
	1200		956·3	...	994·7	94·1	77·4	68·4	24·5	...	45	...	3·7	...	5	19	1	1	3	1	1	0	0
Landikotal	0000	3,503	883·6	...	890·4	73·9	69·3	67·3	22·6	...	79	...	2·8	...	0	10	0	1	0	0	0	1	19
	0300		884·7	...	891·8	80·0	71·7	68·0	23·1	...	65	...	2·5	...	0	15	0	0	0	0	0	2	14
	1200		882·1	...	888·8	87·4	75·0	69·2	24·6	...	55	...	3·6	...	0	8	0	23	0	0	0	0	0
N.-W.F.P. (Lower)																							
Bannu	0000	1,264	954·6	...	996·8	81·6	76·1	73·3	28·3	...	77	...	2·4	...	2	6	4	0	2	0	3	1	13
	0300		956·0	...	998·1	85·4	77·4	73·3	28·5	+1·2	68	+3	3·3	+1·2	1	1	6	5	3	2	4	3	6
	1200		953·8	...	995·0	95·9	78·5	70·0	25·4	...	43	...	4·9	...	1	4	7	14	0	3	2	0	0
Miranshah (R)	0000	3,026																					
	0300																						
	1200																						
D. I. Khan	0000	570	977·5	...	996·8	83·0	78·4	75·9	31·1	...	81	...	1·0	...	1	11	2	2	0	0	1	1	13
	0300		979·5	—0·2	998·7	84·9	79·6	77·5	32·1	+1·1	78	+5	1·7	—0·1	1	14	4	2	0	1	0	0	9
	1200		976·1	...	994·8	98·7	83·1	77·0	31·6	...	51	...	0·7	...	2	3	4	9	4	1	0	0	8
BALUCHISTAN (North)																							
Fort Sandeman	0300	4,614	852·6	—0·2	892·5	79·5	67·1	60·3	17·5	—2·4	51	—5	1·4	—0·1	0	0	0	0	0	0	0	0	31
	1200		850·5	...	889·2	90·9	68·1	54·8	14·0	...	28	...	4·5	...	0	1	0	12	0	2	0	0	16
Hindubagh	0000	5,909	813·7	...	795·0	69·3	58·8	51·7	13·0	...	54	...	1·9	...	0	0	0	1	0	6	7	10	7
	0300		814·7	...	796·3	78·0	62·6	53·6	13·7	...	42	...	1·5	...	0	0	1	0	0	10	9	3	8
	1200		811·9	...	794·0	90·6	62·1	39·9	8·7	...	19	...	2·9	...	0	0	2	2	2	12	8	3	2
Loralai	0000	4,699	847·8	...	891·1	67·1	62·9	59·8	17·8	...	79	...	0·6	...	0	0	0	3	0	6	2	0	20
	0300		848·4	...	891·2	73·1	64·8	59·7	17·5	...	63	...	0·5	...	0	0	0	1	0	4	4	0	22
	1200	...	846·2	...	887·7	88·5	73·7	67·1	22.3	...	48	...	1·1	...	0	0	2	6	7	12	2	0	2
Sibi	0000	441	982·1	...	996·9	86·8	78·4	74·0	29·4	...	67	...	1·0	...	0	0	0	11	3	0	0	0	17
	0300		983·1	—0·3	997·9	88·4	79·0	75·0	29·0	+1·9	64	+4	0·4	—1·0	0	0	2	12	11	1	0	0	5
	1200		979·6	...	993·7	104·6	82·4	72·6	27·9	...	37	...	1·4	...	0	0	0	6	11	14	0	0	0

(R) Register not received. *Data rejected.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF AUGUST, 1952.

Sub-Division and Station	Hours of Observation	Height of bar. cistern above mean sea level	Mean pressure: Stn. level reduced to standard temp. and gravity	Mean pressure: Departure from normal	Mean pressure: Reduced to standard temp. and M.S.L. or nearest GPKM level	Mean temperature of the air and humidity: Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Total Cloud amount: Mean amount	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	mbs.	mbs.	%	%	Oktas										
Quetta	0300	5,490	825·8	—1·9	795·2	71·8	63·0	57·8	16·4	+1·5	61	+5	0·1	—0·9	0	0	0	0	4	1	0	0	26
	1200		823·3	...	793·9	90·2	63·5	44·8	10·5	...	22	...	1·9	...	5	1	0	2	2	4	5	10	2
Quetta (Samungli)	0000	5,253	834·4	...	796·2	61·6	55·0	49·6	12·5	...	67	...	0·9	...	0	0	9	13	0	1	0	1	7
	0300		835·0	...	797·2	70·2	59·7	52·6	13·6	...	54	...	1·4	...	0	2	4	5	0	1	2	0	17
	1200		832·9	...	796·8	90·8	66·2	49·7	13·4	...	27	...	2·0	...	0	0	1	0	1	2	15	12	0
Chaman	0000	4,311	859·9	...	891·0	74·9	60·6	49·0	12·1	...	41	...	0·0	...	0	0	15	15	1	0	0	0	0
	0300		861·1	—0·5	892·1	80·4	64·0	51·1	13·3	+1·8	38	+6	0·4	—0·2	0	0	3	5	9	8	3	0	3
	1200		858·2	...	888·0	95·6	68·4	49·1	12·8	...	23	...	0·0	...	0	0	0	0	2	13	10	6	0
Nushki	0000	3,416	892·6	...	894·4	80·8	60·1	43·0	9·6	...	27	...	0·5	...	1	8	10	2	0	0	0	2	8
	0300		896·1	...	897·8	86·2	62·3	41·4	9·3	...	22	...	0·2	...	4	11	9	1	0	0	2	4	0
	1200		891·2	...	893·5	100·9	67·6	41·0	9·7	...	15	...	0·2		2	2	1	2	0	2	8	14	0
Kalat	0000	6,616	794·8	...	796·4	58·5	50·4	43·5	9·7	...	58	...	0·5	...	0	0	0	2	17	0	0	0	12
	0300		795·7	+0·3	797·5	65·5	54·8	45·9	11·0	+0·1	51	+5	0·2	—1·2	0	0	1	0	13	0	0	0	17
	1200		793·8	...	795·3	83·7	63·3	48·9	12·6	...	31	...	0·5	...	4	0	0	1	2	1	1	18	4
Dalbandin	0000	2,785	906·6	...	890·9	74·2	55·3	35·7	7·1	...	25	...	0·2	...	0	3	0	4	0	9	8	4	3
	0300		907·9	—0·1	892·2	77·3	57·2	38·1	7·8	—4·2	25	—9	0·8	—0·1	0	1	0	0	2	3	5	1	19
	1200		905·3	...	890·3	101·6	69·1	45·6	11·4	...	16	...	0·8	...	2	0	1	2	4	11	5	6	0
Nokundi	0000	2,229	924·5	...	891·6	81·3	59·8	40·4	8·7	...	24	...	0·1	...	15	0	0	0	0	0	0	15	1
	0300		925·7	...	892·6	85·3	61·7	46·8	9·1	—5·0	22	—9	0·4	—0·4	15	1	0	0	0	0	0	1	14
	1200		922·6	...	891·3	102·1	71·2	52·0	13·3	...	19	...	0·4	...	16	0	0	0	0	0	0	14	1
BALUCHISTAN (South)																							
Lasbela	0000	292	989·8	...	1000·2	79·5	75·1	73·5	27·6	...	80	...	6·7	...	0	0	0	0	0	0	0	0	31
	0300		991·2	—0·2	1001·2	81·8	75·8	73·2	27·9	—2·5	75	—7	5·4	+0·6	0	1	2	2	4	4	1	0	17
	1200		987·6	...	997·3	95·4	79·8	72·8	27·3	...	49	...	0·1	...	0	0	1	0	1	0	24	0	5
Ormara	0000	15	999·1	...	999.6	79·5	76·5	75·0	29·8	...	87	...	0·8	...	0	0	1	0	1	0	24	0	5
	0300		1000·3	...	1000.8	79·9	75·9	73·9	28·8	—0·3	83	—3	4·0	—2·2	0	0	2	1	1	1	26	0	0
	1200		997·6	...	998.1	84·8	77·2	73·6	28·8	...	70	...	0·0	...	0	0	1	1	5	4	20	0	0
Pasni	0000	10	999·2	...	999·8	77·6	76·3	75·3	30·0	...	93	...	7·0	...	0	0	8	4	0	9	4	1	5
	0300		1000·7	—0·6	1001·1	79·9	77·5	76·7	31·1	+1·3	89	+2	6·6	+1·2	0	2	8	8	0	4	3	3	3
	1200		998·0	...	998·4	84·9	79·7	77·3	32·7	...	79	...	3·0	...	0	0	0	3	3	23	2	0	0
Turbat	0000	510	984·2	...	1001·8	77·7	73·6	71·7	26·4	...	82	..	*	...	0	0	0	4	2	12	4	6	3
	0300		984·4	...	1001·9	82·0	78·1	76·5	30·9	...	83	...	*	...	0	0	0	1	1	18	1	10	0
	1200		980·0	...	996·4	86·6	79·7	77·7	34·7	...	45	...	*	...	0	0	0	12	1	10	4	3	1
Panjgur	0000	3,177	895·7	...	892·8	74·1	59·0	45·9	11·0	...	38	...	1·7	...	2	8	3	2	4	4	1	6	1
	0300		896·3	0·0	892·9	77·0	61·0	48·0	11·9	—8·7	37	—25	1·5	+0·1	3	8	1	1	6	2	2	5	3
	1200		894·1	...	890·8	97·6	65·0	37·8	7·9	...	13	...	1·2	...	3	0	0	0	0	2	2	24	0
SIND (Upper)																							
Rohri	0000	280	989·6	...	999·3	81·3	76·0	73·8	28·2	...	76	...	0·8	...	0	0	0	2	22	7	0	0	0
	0300		991·0	...	1000·5	82·6	76·3	73·2	28·0	...	73	...	0·8	...	0	0	0	1	21	8	1	0	0
	1200		987·8	...	997·1	103·4	80·0	70·0	25·2	...	37	...	0·8	...	1	0	2	3	10	7	5	1	2
Jacobabad	0000	183	990·6	...	997·0	82·9	76·9	74·1	29·9	...	75	...	1·4	...	0	0	1	20	9	0	0	0	1
	0300		992·2	—0·3	998·6	84·2	76·9	73·5	28·2	—5·4	69	—9	1·8	+0·4	0	0	1	22	7	1	0	0	0
	1200		989·1	...	995·2	100·1	80·4	71·3	26·5	...	39	...	1·8	...	0	0	2	23	5	1	0	0	0

* Data Rejected

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF AUGUST, 1952.

Sub-Division and Station	Hours of Observation	Height of bar. cistern above mean sea level	Mean pressure: Stn. level reduced to standard temp. and gravity	Mean pressure: Departure from normal	Mean pressure: Reduced to standard temp. & M.S.L. or nearest GPKM level	Mean temperature of the air humidity: Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Total Cloud amount: Mean amount	Departure from normal	Wind direction Number of observations from :— N	NE	E	SE	S	SW	W	NW	Calm
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	GMT	Ft.	Mbs.	Mbs.	Mbs.	°F	°F	°F	mbs.	mbs.	%	%	Oktas										
Sukkur	0300	221	990·7	+0·4	998·3	80·8	76·0	73·7	28·2	—0·6	78	+4	2·4	+0·9	0	0	2	3	12	12	2	0	0
	1200		987·8	...	995·0	101·7	83·2	75·7	30·7	...	44	...	2·0	...	2	2	1	1	7	13	3	0	2
Pad Idan	0000	153	991·5	...	996·8	79·8	74·3	71·7	26·5	...	76	...	1·3	...	0	0	0	22	8	0	0	0	1
	0300		993·0	...	998·3	81·7	75·3	72·5	27·0	...	73	...	2·3	...	0	0	0	18	13	0	0	0	0
	1200		990·7	...	995·5	99·7	79·7	70·3	25·4	...	39	...	1·7	...	0	0	1	20	10	0	0	0	0
SIND (Lower)																							
Umerkot	0000	55	997·3	...	999·7	79·6	77·1	76·2	30·6	...	89	...	2·5	...	0	0	0	0	6	24	0	0	1
	0300		998·0	...	999·8	82·5	78·5	77·2	31·4	...	83	...	3·0	...	0	0	0	0	7	21	2	0	1
	1200		995·2	...	997·2	92·9	82·9	79·5	33·7	...	64	...	2·5	...	0	0	0	0	2	25	2	0	2
Chhor	0000	19	998·3	...	999·0	78·2	76·0	75·1	29·7	...	91	...	4·3	...	0	0	0	0	10	16	0	0	5
	0300		999·4	...	1000·1	80·6	77·3	75·8	31·5	...	85	...	6·0	...	0	0	0	0	13	16	0	0	2
	1200		996·7	...	997·4	91·1	81·6	78·2	32·5	...	65	...	3·5	...	0	0	0	0	3	24	3	0	1
Hyderabad	0000	96	994·8	...	998·1	79·4	74·2	71·9	26·6	...	78	...	2·1	...	0	0	0	0	0	31	0	0	0
	0300		995·9	—0·8	999·2	81·3	75·0	72·1	27·1	—0·2	72	—2	2·2	—1·3	0	0	0	0	0	31	0	0	0
	1200		993·9	...	997·1	92·7	78·6	72·0	26·9	...	52	...	2·2	...	0	0	0	0	0	31	0	0	0
Karachi (A. P.)	0000	73	997·4	...	999·8	79·5	76·6	74·5	29·4	...	87	...	6·8	...	0	0	0	0	0	5	26	0	0
	0300		998·4	...	1000·9	80·4	76·4	74·3	29·2	...	83	...	6·6	...	0	0	0	0	0	4	25	2	0
	1200		996·6	...	999·1	83·8	78·0	75·3	30·0	...	76	...	4·9	...	0	0	0	0	0	16	15	0	0
Karachi (Manora)	0000	13	999·2	...	999·7	79·3	76·7	75·3	30·2	...	89	...	6·8	...	0	0	0	0	0	10	18	0	3
	0300		1000·3	—0·7	1000·8	80·0	76·8	75·5	30·0	—0·3	87	—1	6·9	+0·6	0	0	0	0	0	8	20	1	2
	1200		998·4	...	998·8	83·1	78·3	76·2	30·9	...	79	...	5·8	...	0	0	0	0	0	13	18	0	0
Badin	0000	31	999·0	...	1000·2	*	*	*	*	...	*	...	0·3	...	0	0	0	0	0	25	0	0	6
	0300		999·3	—0·6	1000·3	80·0	76·0	74·0	28·8	—0·3	83	+3	0·7	—4·5	0	0	0	0	1	29	0	0	1
	1200		998·1	...	998·9	88·7	77·9	73·0	27·6	...	59	..	0·3	...	0	0	0	0	1	29	0	1	0
HILL STATIONS (excluding Kashmir and Baluchistan)																							
Murree	0000	7,113	779·1	...	794·6	60·3	58·5	56·9	16·1	...	90	...	5·3	...	0	2	1	6	1	2	1	16	2
	0300		780·4	—1·2	795·8	63·6	60·2	57·9	16·6	—1·3	83	—4	4·5	—0·0	0	0	5	2	0	2	12	4	6
	1200		779·6	...	794·9	69·1	65·6	63·7	20·3	...	83	...	6·2	...	0	0	3	2	0	6	6	9	5
Cherat	0000	4,272	861·6	...	891·9	71·5	68·0	66·3	22·0	...	83	...	3·5	...	0	0	0	0	30	0	0	0	1
	0300		862·9	—0·7	893·3	72·4	68·4	66·2	22·1	+0·4	81	+1	3·6	+0·2	3	0	0	5	14	0	2	1	6
	1200		861·3	...	891·0	82·6	73·3	68·5	24·2	...	63	...	3·5	...	1	0	0	3	27	0	0	0	0
Drosh	0000	4,806	845·6	...	891·5	74·6	64·4	57·9	16·5	...	57	...	1·7	...	0	0	0	6	0	6	0	0	19
	0300		846·6	—2·0	892·4	75·5	64·8	58·2	16·6	—1·7	55	—7	2·3	+0·6	0	0	0	0	0	2	1	0	28
	1200		842·4	...	886·5	90·1	68·4	54·5	14·9	...	33	...	3·8	...	0	0	0	0	1	19	8	1	2
Parachinar	0000	5,673	819·9	...	793·8	65·8	61·6	59·0	17·2	...	79	...	1·6	...	9	0	1	2	0	0	0	3	16
	0300		820·9	—1·0	794·9	71·4	63·5	58·8	17·2	—0·7	65	—2	1·5	—1·0	0	2	0	1	0	0	2	0	26
	1200		819·8	...	794·2	77·8	65·9	59·3	17·5	...	53	...	4·9	...	0	3	2	18	1	0	0	3	4
Wana	0300	4,503	852·7	...	889·4	75·7	67·5	62·5	19·7	—0·1	65	—2	2·1	+0·4	0	1	0	6	2	1	0	2	19
	1200		850·6	...	886·5	83·3	69·2	60·4	18·6	...	48	...	3·3	...	0	5	0	12	2	0	0	8	4

* Data rejected.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF AUGUST, 1952.

Sub-Division and Station	Hours of Observation	Height of bar. cistern above mean sea level	Mean pressure: Stn. level reduced to standard temp. and gravity	Mean pressure: Departure from normal	Mean pressure: Reduced to standard temp. & M.S.L. or nearest GPKM level	Mean temperature of the air & humidity: Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Total Cloud amount: Mean amount	Departure from normal	Wind direction. Number of observations from :— N	NE	E	SE	S	SW	W	NW	Calm
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	GMT	Ft.	Mbs.	Mbs.	Mbs.	°F	°F	°F	mbs.	mbs.	%	%	Octas										
AFGHANISTAN																							
Jalalabad	0300	1,950	929·9	...	886·6	85·1	75·4	71·4	26·1	...	63	...	2·0	...	0	0	7	1	0	0	0	0	23
	1200		925·5	...	883·7	98·2	79·3	71·2	26·4	...	43	...	2·5	...	0	1	26	0	0	1	1	0	2
Kabul	0300	5,955	815·5	...	797·9	67·3	55·5	45·7	10·8	+0·1	47	+6	0·5	—0·2	2	4	2	1	2	3	8	8	1
	1200		812·8	...	796·0	85·1	62·2	43·7	10·9	...	26	...	2·7	...	11	10	3	1	1	0	1	3	1
Kandahar	0300	3,462	882·5	...	888·1	67·2	59·6	54·3	14·3	...	63	...	0·3	...	0	0	0	0	0	0	0	0	31
	1200		879·9	...	885·3	93·3	73·0	62·5	19·5	...	37	...	0·1	...	0	0	0	0	0	2	0	0	29
IRAN																							
Jask (R)	0300																						
	1200																						
ARABIA																							
Muscat	0300	20	998·5	...	999·1	86·8	83·1	81·7	36·8	...	86	...	3·1	+0·6	2	7	8	2	0	0	0	1	11
	1200		996·9	...	997·4	88·9	83·7	81·8	36·9	...	80	...	1·3	...	3	7	15	1	0	0	0	2	3
Kuwait †...	0600	16	999·3	...	999·9	94·8	76·5	65·4	22·8	...	41	...	0·3	...	0	0	1	1	0	0	14	9	6
	1200		996·9	...	997·4	102·1	78·7	65·9	22·9	...	32	...	0·7	...	4	1	11	1	0	0	5	7	2

(R) Register not received.

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

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF AUGUST, 1952.

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)	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
EAST PAKISTAN (North)																					
Pabna ...	89·9	+0·4	93	8, 27	80·1	+3·8	77	27	7·91	—2·55	3·50	27	11	—4·8	×	...	0	0	0	0	0
Rajshahi ...	...	...	...	...	...	...	...	...	6·20	—4·11	1·50	18	9	—5·8	...	...	0	0	0	0	0
Sirajganj ...	85·1	...	88	8, 14	79·5	...	74	27	11·53	+0·20	3·03	27	13	—2·2	×	...	0	0	0	0	0
Bogra ...	89·2	+0·4	93	14	79·5	+0·9	77	4 days	8·64	—4·36	2·30	27	10	—6·4	2·4	+0·7	10	0	0	0	0
Dinajpur ...	90·5	+1·3	94	8	79·3	+0·4	76	4 days	5·68	—8·03	2·04	28	11	—4·3	2·3	+0·5	0	0	0	0	0
Rangpur ...	...	...	...	...	...	...	...	...	8·01	—5·74	4·90	28	10	—4·0	...	...	0	0	0	0	0
EAST PAKISTAN (East)																					
Cox's Bazar ..	87·0	+1·7	92	8	76·2	+0·1	74	3	18·53	—9·22	2·00	3	23	+1·1	4·7	+0·9	0	0	0	0	0
Chittagong ...	86·5	+0·6	91	8	77·3	+0·9	75	3 days	13·31	—7·11	3·47	27	17	—0·1	4·9	—1·5	0	0	0	0	0
Noakhali (Maijdee)	(a) 86·6	+0·9	91	8	78·4	+0·2	76	4,5	16·74	—7·59	4·43	26	22	—0·9	×	...	2	0	0	0	0
Brahmanbaria ...	90·0	+0·6	93	13, 14	78·5	+2·3	74	28	7·23	—5·43	2.77	27	9	—7·8	3·6	...	0	0	0	0	0
Comilla ...	86·5	—1·0	91	7, 8	78·1	+1·2	76	26, 28	16·33	—0·85	3·63	8	15	—2·8	6·5	+2·5	0	0	0	0	0
Narayanganj ...	89·6	+1·8	93	8	79·7	+0·9	76	27, 28	7·39	—5·87	3·27	27	15	—2·6	5·3	+1·3	0	0	0	0	0
Srimangal ...	89·7	—0·4	94	14	76·7	+0·6	75	6 days	11·42	—2·88	2·21	19	23	+2·9	2·7	—0·3	9	0	0	0	0
Mymensingh ...	88·5	+0·8	92	1, 14	79·8	+1·5	78	28	10·67	—4·82	3·52	27	19	+0·3	2·5	+0·6	1	0	0	0	0
EAST PAKISTAN (Deltaic)																					
Faridpur ...	88·4	+1·3	92	8	79·2	+0·5	77	4	7·17	—4·96	1·12	24	17	—0·1	1·4	—4·2	1	0	0	0	0
Barisal ...	88·1	+1·1	92	8	79·4	+1·1	76	26	11·53	—3·41	2·56	25	19	—1·3	4·0	+1·5	0	0	0	0	0
Khulna ...	89·5	+1·6	93	24, 29	79·3	+0·8	77	4,25,26	5·29	—8·50	1·19	25	15	—3·4	3·8	+0·2	0	0	0	0	0
Jessore ...	89·7	+1·6	93	8,24,31	78·5	+0·7	77	7 days	8·08	—2·96	1·68	12	16	—0·6	3·5	+1·1	0	0	0	0	0
Satkhira ...	86·8	—1·7	92	8	78·8	+0·4	77	5 days	11·54	—0·03	2·62	18	18	+0·8	2·6	+0·3	0	0	0	0	0
KASHMIR																					
Srinagar ×																					
Gulmarg × ...																					
Sonamarg × ...																					
Dras × ...																					
Leh × ...																					
Skardu × ...																					
Gilgit × ...																					
Misgar ...	76·2	...	89	29	53·5	...	44	30	0·69	...	0·32	29	2	...	5·3	...	0	0	0	0	0
Jammu × ...																					
Kargil × ...																					
Gurez × ...																					
NORTH PUNJAB																					
Lahore ...	96·5	—0·5	104	25	79·3	+0·6	75	4 days	1·31	—3·84	0·41	5	5	—0·7	2·9	+1·2	5	0	0	0	0
Sialkot ...	92·3	—1·9	100	25	78·6	+0·4	70	26	13·36	+4·06	2·47	8	14	+5·0	2·2	+0·6	6	0	0	0	0
Jhelum ...	94·0	...	101	1	77·0	...	72	19	4·81	...	0·85	12, 14	10	...	1·8	...	10	0	0	0	2
Rawalpindi ...	93·2	—0·5	102	3	74·7	—0·8	71	5 days	11·86	+2·69	3·25	19	10	+0·9	1·6	+0·2	16	0	0	0	0
Khushab ...	98·8	—1·0	108	3	80·3	—0·8	73	14, 19, 28	5·33	+1·82	1·42	20	6	+2·3	5·0	+0·4	2	0	0	0	1
Lyallpur ...	98·1	+0·1	104	3, 25	80·8	+0·3	72	20	1·75	—1·83	0·80	8	3	—2·3	2·3	—0·1	3	1	0	0	2
SOUTH PUNJAB																					
Montgomery ...	100·0	—0·1	106	17	81·5	—0·2	77	21	0·49	—2·41	0·41	7	1	—2·7	2·8	—1·5	0	0	0	0	0
Multan ...	101·3	+2·4	106	17	80·9	—2·0	79	7	0·08	—1·74	0·08	7	0	—2·5	3·1	+1·1	0	0	0	0	0
Fort Abbas ...	100·3	...	106	17	*	*	*	*	0·22	...	0·22	7	1	...	6·6	—2·1	0	0	0	0	0
Bahawalpur ...	101·1	+0·5	106	25	82·6	+0·9	77	6	1·29	—0·04	0·94	6	2	—0·3	3·4	—0·4	0	0	0	0	0
Khanpur ...	100·3	—2·0	105	3, 25	80·7	—0·6	75	6, 7	2·34	+0·41	1·23	7	2	—0·4	5·4	—1·0	2	0	0	0	0

× Data not available.

(a) Mean for 30 days

* Data rejected.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF AUGUST, 1952.

Sub-Division and Station	Maximum temperature of the air °F				Minimum temperature of the air °F				Precipitation (Inches)						Wind velocity (Knots)		Weather Number of days				
	Mean	Departure from normal	Highest	Date	Mean	Departure from normal	Lowest	Date	Total of the month	Departure from normal	Heaviest fall in 24 hours	Date	Days with 0·10" or more	Departure from normal	Mean	Departure from normal	Thunder heard	Hail	Visibility Code figure 93 or less: Fog	Haze Dust	Dust storm
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
N.-W. F. P. (Upper)																					
Chakdara ...	93·5	...	101	3	72·7	...	66	29	2·53	...	1·05	4	7	...	4·5	...	0	0	0	0	0
Peshawar ...	96·6	—1·6	104	3	77·5	—1·4	72	28	0·12	—2·01	0·02	13	0	—2·5	4·0	+2·3	12	0	0	0	4
Landikotal ...	91·5	...	101	3	72·6	...	65	28, 29, 30	0·03	...	0·03	5	0	...	4·5	...	2	0	2	0	0
N.-W. F. P. (Lower)																					
Bannu ...	97·5	—2·5	106	3	80·2	—0·1	71	30	1·17	—0·72	1·00	5	2	—1·1	3·1	...	2	0	0	0	0
Miranshah (R) ...	...	...	...	...	...	...	...	...	...	...	...	...		...	...	...	...	...	...	...	...
D. I. Khan ...	*	...	...	...	80·5	—0·7	74	20	1·37	—0·53	1·35	5	1	—1·3	1·9	+0·4	0	0	0	0	1
BALUCHISTAN (North)																					
Fort Sandeman ...	97·7	+0·8	105	5	72·6	—0·7	66	31	2·82	+0·92	1·35	5	4	+0·2	×	...	0	0	0	0	1
Hindubagh ...	94·2	...	99	3, 4	67·3	...	61	23	×	...	.	...	...	...	6·5	...	0	0	0	0	0
Loralai ...	91·3	...	94	18, 19	64·4	...	61	12, 23	0·36	—0·70	0·20	2	2	0·0	3·5	...	3	0	0	0	0
Harnai ...	...	...	...	...	...	...	...	...	0·51	—2·15	0·30	6	2	—2·3	...	...	0	0	0	0	0
Sibi ...	105·8	+0·9	110	23, 25	85·2	—0·1	81	6	0·00	—0·58	0·00	...	0	—1·1	3·8	—1·2	1	0	0	0	0
Quetta ...	92·2	...	98	4	59·6	...	50	25, 26	0·00	...	0·00	...	0	...	4·0	+2·0	0	0	0	0	0
Quetta (Samungli)	93·1	...	98	4, 30	58·5	...	47	25, 26	0·00	...	0·00	..	0	...	5·0	...	0	0	0	0	0
Chaman ...	97·1	—1·2	103	4	71·9	—1·4	67	25, 26, 29	0·00	—0·04	0·00	...	0	—0·1	5·6	+1·1	0	0	0	0	0
Nushki ...	102·7	...	109	3, 4	78·9	...	74	23, 24	0·00	...	0·00	...	0	...	7·2	...	0	0	0	1	0
Kalat ...	88·1	—1·7	94	4	57·7	—0·5	52	24	0·00	—0·33	0·00	...	0	—0·9	4·1	+0·2	0	0	0	0	0
Dalbandin ...	103·3	—2·8	109	4	68·9	—2·7	61	14	0·00	—0·13	0·00	...	0	—0·2	4·6	+0·3	0	0	0	7	2
Nokkundi ...	103·6	—3·3	109	3, 9	78·5	—2·6	73	31	0·00	0·00	0·00	...	0	0·0	11·6	—0·4	0	0	0	0	0
BALUCHISTAN (South)																					
Lasbela ...	100·8	+1·6	109	16	*	...	...	...	0·00	—1·06	0·00	...	0	—2·0	3·3	—0·4	0	0	0	26	0
Ormara ...	87·1	+0·1	89	7 days	78·7	+0·2	77	10, 12	0·00	—0·11	0·00	...	0	—0·3	8·6	0·0	0	0	0	0	0
Pasni ...	88·0	—0·2	90	4 days	77·0	+0·7	73	15	0·00	—0·17	0·00	...	0	—0·3	7·3	+1·6	0	0	0	0	0
Turbat ...	107·5	...	114	25	77·4	...	76	7 days	0·00	...	0·00	...	0	...	7·3	...	0	0	0	0	0
Panjgur ...	99·3	—1·6	105	3	69·4	—3·8	62	29	0·00	—0·34	0·00	...	0	—0·7	3·7	—0·3	0	0	0	0	0
SIND (Upper)																					
Reti ...	102·2	...	108	3, 24	79·7	...	75	7, 31	0·88	...	0·88	7	1	...	7·7	...	0	0	0	0	0
Jacobabad ...	101·6	—2·1	107	1, 3	81·7	—0·5	78	31	0·00	—0·88	0·00	...	0	—1·3	7·1	+1·3	0	0	0	0	0
Sukkur ...	102·7	+1·5	107	3	79·0	—1·8	76	26, 27, 31	0·00	—1·12	0·00	...	0	—1·0	3·0	—1·4	0	0	0	0	0
Padidan ...	101·2	...	107	24	78·2	...	73	31	0·02	...	0·02	8	0	...	8·4	...	0	0	0	0	0
SIND (Lower)																					
Umarkot ...	95·2	...	99	24	77·8	...	73	31	0·10	...	0·10	6	1	...	8·3	...	0	0	0	0	0
Chhor ...	92·4	...	96	17, 22, 24	77·7	...	73	31	0·58	...	0·45	6	2	...	8·2	...	0	0	0	0	0
Hyderabad ...	97·0	+1·2	103	23	79·2	0·0	77	29, 30	0·01	—2·02	0·01	6	0	—2·2	9·5	+0·5	0	0	0	0	0
Karachi (Air Port)	87·2	...	90	15, 16, 24	78·8	...	77	15, 29, 31	0·02	...	0·02	15	0	...	10·3	...	0	0	0	0	0
Karachi (Manora)	85·5	—0·3	87	5 days	78·7	+0·2	76	31	0·00	—1·56	0·00	...	0	—1·6	×	...	0	0	0	0	0
Badin ...	91·2	—1·0	94	17, 22	78·5	—0·8	76	30	0·00	—2·32	0·00	...	0	—2·3	7·2	...	0	0	0	0	0

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

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF AUGUST, 1952.

Sub-Division and Station	Maximum temperature of the air °F				Minimum temperature of the air °F				Precipitation (Inches)						Wind velocity (Knots)		Weather Number of day				
	Mean	Departure from normal	Highest	Date	Mean	Departure from normal	Lowest	Date	Total of the month	Departure from normal	Heaviest fall in 24 hours	Date	Days with 0.10" 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
HILL STATIONS (excluding Kashmir and Baluchistan).																					
Murree ...	71·7	—1·5	76	3	58·5	+1·1	52	28	11·10	—2·71	1·78	13	15	+0·7	4·5	+1·3	14	0	7	0	0
Cherat ...	85·8	+0·4	96	3	68·2	—1·7	62	23, 28	1·97	—2·97	1·42	13	4	—2·4	5·6	+1·1	4	0	11	0	0
Drosh ...	93·9	—1·3	100	4	73·0	+0·4	59	28	0·41	—0·24	0·33	28	1	—0·9	5·6	+1·4	10	0	0	0	0
Parachinar ...	84·2	—0·5	90	3	64·5	—0·3	57	29	3·50	—0·20	1·00	5	12	+4·4	3·1	+1·0	17	0	0	0	0
Wana ...	92·8	+1·4	97	4	68·7	—1·4	60	28	2·65	+1·71	1·65	21	4	+0·8	3·5	...	0	0	0	0	0
AFGHANISTAN																					
Jalalabad ...	100·8	...	110	17	77·8	...	70	29	0·00	...	0·00	...	0	...	4·0	...	0	0	0	0	0
Kabul ...	91·4	+0·4	98	4	59·6	+1·3	53	31	0·02	—0·07	0·02	5	0	—0·4	2·6	+1·0	4	0	0	0	1
Kandhar ...	97·3	...	103	17	62·2	...	57	26	0·00	...	0·00	...	0	...	0·7	...	0	0	0	0	0
IRAN																					
Jask (R) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
ARABIA																					
Muscat ...	91·3	+0·6	102	5	84·8	+1·3	79	17	0·00	—0·02	0·00	...	0	—0·1	2·7	—0·3	0	0	0	0	0
Kuwait † ...	105·0	...	115	26	88·0	...	81	29	0·00	...	0·00	0	0	...	6·4	...	0	0	0	0	0

(R) Register not received.

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

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PAKISTAN WEATHER REVIEW, 1952

Monthly Weather Report

September

PUBLISHED BY THE AUTHORITY OF THE GOVERNMENT OF PAKISTAN

Chief Features:—(1) Two depressions formed in the Bay of Bengal.
(2) One western disturbance and four low pressure waves moved across West Pakistan.

WEST PAKISTAN

During the first ten days of the month, two low pressure waves in addition to the one affecting since the previous month moved across the extreme north of the region. They were responsible for light to moderate thunderstorms/shower activity over the North-West Frontier Province for most of the days and in the north Punjab on a few days. Weather remained dry over the region thereafter till the approach of a western disturbance on the 20th which moved away across Kashmir by the 22nd morning. In its association North-West Frontier Province experienced fairly widespread thunderstorms/showers on the 21st and scattered on the 20th and 22nd. Scattered thunderstorms were also experienced in the north Punjab on the 21st.

The eastward passage of two active low pressure waves across the extreme north of the region during the last week of the month, again brought rain/thundershowers activity over the upper North-West Frontier Province and the north Punjab hills on a few days.

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

Murree 1/4″ on the 2nd; Murree 3/4″, Cherat 1/2″, Rawalpindi 1/4″ on the 5th; Rawalpindi and Murree 1/4″ each on the 6th; Parachinar 1/2″ on the 7th ; Murree 1″, Peshawar 3/4″, Cherat and Landikotal 1/2″ each on the 21st ; Parachinar 1/4″ on the 22nd; Rawalpindi 1/2″, Murree 1/4″ on the 26th; Parachinar 3/4″ on the 30th.

The mean actual rainfall was normal over the upper North-West Frontier Province and in large defect elsewhere Averaged over the region, excluding Baluchistan, it was in large defect.

The mean maximum and minimum temperatures were normal every where except that the maximum temperature was above normal in the north Punjab and minimum temperature was below normal in upper Sind.

Mean relative humidity was below normal in the upper North-West Frontier Province and south Baluchistan and normal elsewhere. Skies were clouded as usual over lower Sind and less than usual elsewhere.

EAST PAKISTAN

Monsoon was weak for the first five days. It became active thereafter for a few days. It weakened again due to unsettled conditions in the north Bay of Bengal.

The first depression formed near latitude 19°N and longitude 88-1/2°E on the 10th moved inland over Orissa by the next evening and weakened into a low. Conditions became unsettled again in the 13th and concentrated into a shallow depression the 16th near latitude 17-1/2°N and longitude 87°E. The depression weakened the next day and lay as a low off Orissa—Circars Coast.

Monsoon was active over East Pakistan during the third week in association with a trough lying over the northwest Bay of Bengal. It weakened again, and continued to be so till the end of the month.

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

Cox's Bazar 5″ on the 7th ; Noakhali 3″ , S irajganj 2″ on the 8th ; Narayanganj 5″, Cox's Bazar, Brahmanbaria and Mymensingh 4″ each, Srimangal 3″, Comilla, Khulna, Jessore and Sirajganj 2″ each on the 10th ; Bogra 2″ on the 14th; Comilla 3″ , Brahmanbaria 2″ on the 16th; Dinajpur 5″, Sirajganj 2″ on the 20th ; Cox's Bazar and Comilla 4″ each on the 21st; Cox's Bazar 4″, Comilla 3″, Khulna and Faridpur 2″ each on the 22nd; Dinajpur 6″ Brahmanbaria and Rangpur 2″ each on the 23rd; Rangpur 4″, Dinajpur 3″ on the 24th ; Srimangal 2″ on the 25th ; Rangpur, Mymensingh 2″ on the 26th.

The mean actual rainfall was in moderate excess over the Eastern sub-division in slight excess over the Northern sub-division and normal over the Deltaic sub-division. It was in slight excess over the region taken as a whole.

The mean maximum and minimum temperatures and mean relative humidity were all normal while the skies were more clouded than usual over the region.

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

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Table I.—Divisional and sub-divisional means September 1952

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
	"	"	"		°	°	Mb.	%	
East Pakistan	13·16	11·12	+2·04	+18	—0·2	+0·7	+0·3	+1	+1·1
Mean of East Pakistan	13·16	11·12	+2·04	+18	—0·2	+0·7	+0·3	+1	+1·1
Punjab	0·14	1·80	—1·66	—92	+1·6	+0·6	—1·3	—1	—0·6
N.-W.F.P.	0·30	0·69	—0·39	—57	+0·4	—0·3	—0·8	—1	—0·6
Baluchistan	0.00	0·19	—0·19	—100	—0·9	—1·2	—0·9	—4	—0·5
Sind	0·00	0·33	—0·33	—100	—1·4	—1·1	—1·3	0	—0·1
Mean of West Pakistan excluding Baluchistan	0·12	1·11	—0·99	—89	+0·2	—0·1	—1·2	—1	—0·4
Sub-Division									
East Pakistan (North)	12·47	11·04	+1·43	+13	—0·9	+1·3	+0·5	+1	+1·2
East Pakistan (East)	16·63	12·57	+4·06	+32	—0·4	+0·6	+0·1	+1	+1·1
East Pakistan (Deltaic)	8·44	8·90	—0·46	—5	+0·5	+0·4	+0·6	+1	+1·1
Kashmir*	...	...	...	...	...	...	...	...	...
North Punjab	0·22	2·48	—2·26	—91	+2·8	+1·3	—1·5	—2	—0·7
South Punjab	0·00	0·67	—0·67	—100	—0·5	—0·6	—1·1	0	—0·5
N.-W.F.P. (Upper)	0·82	0·81	+0·01	+1	+0·6	—0·6	—1·7	—6	—0·7
N.-W.F.P. (Lower)	0·05	0·63	—0·58	—92	+0·3	—0·2	—0·4	+1	—0·5
Baluchistan (North)	0·00	0·22	—0·22	—100	—1·7	—1·4	—0·4	—1	—0·2
Baluchistan (South)	0·00	0·16	—0·16	—100	0·0	—0·9	—1·7	—7	—0·8
Sind (Upper)	0·00	0·09	—0·09	—100	—1·6	—2·2	—2·9	+1	—0·3
Sind (Lower)	0·00	0·57	—0·57	—100	—1·3	+0·1	+0·3	—1	+0·1

* Data incomplete.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF SEPTEMBER, 1952

Sub-Division and Station	Hours of observation	Height of bar. cistern above mean sea level	Mean pressure: Station level reduced to standard temp. and gravity	Mean pressure: Departure from normal	Mean pressure: Reduced to standard temp. & M.S.L. or nearest GPKM level	Mean temperature of the air & humidity: Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Total Cloud amount: Mean amount	Departure from normal	Wind direction. Number of observations from:— N	NE	E	SE	S	SW	W	NW	Calm
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	GMT	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	Oktas										
EAST PAKISTAN (North)																							
Pabna	0300	...	...	...	...	85·1	80·5	79·0	33·5	+0·2	81	0	...	...	...	...	...	...	...	...	...	...	...
Sirajganj	0000	49	1002·5	...	1004·2	80·3	79·3	79·0	33·4	...	96	...	6·4	...	0	0	7	9	0	0	0	0	14
	0300	...	1004·5	...	1006·2	83·1	80·7	79·7	34·5	...	89	...	7·2	...	0	1	9	6	0	0	0	0	14
	1200	...	1001·5	...	1003·2	83·4	81·1	80·0	34·4	...	89	...	8·0	...	0	0	9	5	0	0	0	0	16
Bogra	0000	*65	1002·2	...	1004·5	79·5	78·5	78·3	32·3	...	95	...	7·1	...	0	0	1	1	0	0	0	0	28
	0300	63	1003·7	—0·9	1005·8	82·9	79·8	78·5	33·6	+0·7	87	+3	6·5	+1·5	0	0	8	10	1	7	2	0	2
	1200	...	1000·4	...	1002·5	84·5	80·1	78·3	33·5	...	81	...	6·0	...	0	1	11	5	2	5	0	0	6
Dinajpur	0000	123	1001·6	...	1005·8	78·9	77·3	75·5	31·5	...	93	...	5·4	...	0	2	3	0	0	0	0	0	25
	0300	...	1002·9	+0·7	1007·1	82·5	78·9	78·0	32·8	+0·5	85	0	6·0	+0·9	0	1	8	0	0	0	0	0	21
	1200	...	999·8	...	1004·0	84·3	80·1	78·2	33·2	...	83	...	5·2	...	0	1	3	0	0	0	0	0	26
EAST PAKISTAN (East)																							
Cox's Bazar	0000	*10	1005·8	...	1006·2	77·1	76·5	76·1	30·9	...	98	...	6·7	...	0	3	13	7	3	2	0	0	2
	0300	38	1006·7	+0·5	1008·0	82·7	78·9	77·4	32·0	+0·3	83	—1	5·6	+0·4	0	0	0	5	9	0	0	0	16
	1200	...	1004·0	...	1005·3	81·6	78·0	76·4	31·7	...	85	...	6·0	...	0	0	0	6	10	1	0	0	13
Chittagong	0300	87	1004·1	—0·6	1007·0	83·2	78·2	75·5	30·5	—0·8	79	—5	5·4	—0·1	0	2	8	13	4	1	0	0	2
	1200	...	1001·1	...	1004·0	84·7	78·2	76·2	30·3	...	73	...	5·7	...	1	0	0	5	16	7	1	0	0
Noakhali (Maijdee) ...	0000	25	1004·2	...	1005·1	79·5	78·1	77·0	31·5	...	93	...	6·8	...	0	0	0	16	1	0	0	0	13
	(b) 0300	...	(b) 1005·3	—1·2	(b) 1006·1	81·5	78·7	77·4	31·4	—1·2	87	+1	6·7	+2·0	0	0	0	16	1	1	0	0	11
	1200	...	1002·8	...	1003·6	83·7	79·7	78·0	33·2	...	83	...	6·3	...	0	0	0	22	1	0	0	0	7
Brahmanbaria	0000	32	1004·5	...	1005·6	78·8	77·6	77·2	32·3	...	95	...	6·1	...	0	0	2	11	8	0	0	0	9
	0300	...	1005·8	...	1006·9	83·5	79·2	77·4	31·3	+0·2	81	+2	4·7	...	0	0	2	13	13	0	0	0	2
	1200	...	1002·7	...	1003·8	84·3	80·1	78·3	33·2	...	83	...	5·7	...	0	0	0	7	11	1	0	0	11
Comilla	0000	29	1004·6	...	1005·6	77·7	77·0	76·6	32·0	...	98	...	7·4	...	0	0	1	15	2	0	0	0	12
	0300	...	1005·1	—1·1	1006·1	82·2	79·4	77·7	32·5	+0·3	87	+7	6·7	+1·8	0	0	0	15	13	0	0	0	2
	1200	...	1002·9	...	1003·9	83·5	80·1	78·7	32·8	...	85	...	6·8	...	0	0	0	3	22	4	0	0	1
Narayanganj	0000	26	1004·5	...	1005·4	80·6	78·7	78·0	32·9	...	91	...	7·2	...	0	0	6	8	12	1	1	0	2
	0300	...	1005·9	—0·1	1006·7	84·0	79·7	77·9	32·4	—0·1	81	—1	6·9	+0·8	0	0	5	11	8	1	3	1	1
	1200	...	1002·6	...	1003·4	83·8	79·3	77·0	32·4	...	81	...	7·1	...	0	0	3	7	15	2	1	0	2
Srimangal	0000	69	1003·7	...	1006·1	76·2	75·5	74·6	29·9	...	98	...	6·8	...	0	0	0	5	5	0	0	0	20
	0300	...	1004·9	—0·6	1007·3	81·0	78·3	77·1	32·2	+0·7	89	+4	6·2	+1·3	0	1	4	9	13	0	0	0	3
	1200	...	1001·4	...	1003·8	82·2	79·6	78·5	33·3	...	89	...	6·8	...	2	2	1	5	9	4	4	0	3
Mymensingh	0000	62	1003·1	...	1005·3	79·8	78·7	78·3	33·4	...	96	...	6·9	...	0	0	7	0	0	0	0	0	23
	0300	...	1005·1	—0·1	1007·3	82·9	79·9	78·7	33·6	+1·1	87	+2	7·3	+1·3	0	0	9	0	0	0	0	0	21
	1200	...	1001·8	...	1004·0	84·1	80·3	78·7	33·2	...	83	...	6·7	...	0	0	10	0	0	0	0	0	20
EAST PAKISTAN (Deltaic)																							
Faridpur	0000	46	1001·7	...	1003·2	80·2	78·8	78·0	32·6	...	93	...	6·4	...	0	0	0	5	7	0	0	0	18
	0300	...	1002·9	—1·9	1004·5	84·0	80·1	78·1	33·2	—0·1	83	+2	6·0	+1·0	0	0	0	9	13	0	0	0	8
	1200	...	1002·0	...	1003·6	84·1	80·1	78·3	33·2	...	83	...	6·4	...	0	0	0	9	10	0	0	0	11
Barisal	0000	11	1004·3	...	1004·7	79·6	78·5	78·1	33·4	...	96	...	6·6	...	0	0	1	7	5	3	0	0	14
	0300	...	1006·1	—0·2	1006·5	83·9	80·2	78·8	34·0	+1·1	85	+2	6·8	+1·5	0	0	4	11	7	3	1	0	4
	1200	...	1002·8	...	1003·2	83·7	79·6	78·0	33·2	...	83	...	7·1	...	0	0	1	9	11	4	0	0	5

(b) Mean for 29 days.

*Observation at 0000 hrs. G.M.T. have been taken from a distant site by P. B. O. staff.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF SEPTEMBER, 1952

Sub-Division and Station	Hours of observation	Height of bar. cistern above mean sea level	Mean pressure: Stn. level reduced to standard temp. and gravity	Mean pressure: Departure from normal	Mean pressure: Reduced to standard temp. & M.S.L. or nearest GPKM level	Mean temperature of the air & humidity: Dry Bulb	Wet Bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Total Cloud amount: Mean amount	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										
Khulna	0000	16	1003·9	...	1004·4	79·4	78·2	77·9	32·3	...	95	...	5·1	...	0	2	0	12	2	1	0	0	13
	0300	...	1005·6	—0·5	1006·2	84·3	80·0	78·3	32·4	—0·2	81	0	6·1	+0·4	0	1	0	15	1	5	0	0	8
	1200	...	1002·7	...	1003·2	83·3	79·4	77·7	32·0	...	83	...	6·7	...	0	0	0	17	2	2	0	1	8
Jessore	(b) 0000	26	1004·0	...	1004·9	79·2	78·1	77·7	32·3	...	95	...	4·5	...	0	1	4	3	7	0	(b) 0	0	14
	0300	...	1004·5	—1·1	1005·4	84·7	81·0	79·7	35·1	+1·8	85	+1	6·2	+1·1	1	0	1	8	10	1	0	0	9
	1200	...	1001·7	...	1002·6	84·6	80·8	79·4	34·3	...	83	...	6·2	...	0	1	2	1	12	1	0	0	13
Satkhira...	0000	16	1002·9	...	1003·4	79·9	78·6	78·0	32·6	...	93	...	6·1	...	0	4	0	8	0	2	0	0	16
	0300	...	1005·2	—0·6	1005·7	84·3	80·7	78·6	34·0	+0·3	85	+2	6·5	+1·5	0	5	0	16	0	5	0	2	2
	1200	...	1002·3	...	1002·8	84·9	80·8	79·1	34·3	...	83	...	6·9	...	0	4	0	15	1	3	0	1	6
KASHMIR																							
Srinagar*	0000	5,205																					
	0300																						
	1200																						
Gulmarg*	0000	8,709																					
	0300																						
	1200																						
Dras*	0000	10,059																					
	0300																						
	1200																						
Leh*	0000	11,529																					
	0300																						
	1200																						
Skardu*	0000	7,505																					
	0300																						
	1200																						
Gilgit*	0000	4,890																					
	0300																						
	1200																						
Misgar	0000	10,190	700·3	...	709·4	45·8	36·9	25·0	4·8	...	44	...	1·7	...	2	0	1	0	0	0	2	0	25
	0300	...	701·4	...	710·5	45·1	36·6	24·7	4·7	...	46	...	2·3	...	0	0	4	0	0	0	5	0	21
	1200	...	697·9	...	706·5	64·9	45·1	21·1	4·1	...	19	...	2·3	...	1	0	16	0	0	0	10	0	3
Jammu*	0000																						
	0300																						
	1200																						
Kargil*	0000																						
	0300																						
	1200																						
NORTH PUNJAB																							
Lahore	0000	702	979·4	...	1003·6	76·5	71·5	69.3	24·1	...	77	...	0·5	...	0	0	0	0	0	0	0	1	29
	0300	...	980·7	—0·2	1004·5	82·1	73·6	68·4	24·4	—0·8	65	—1	0·4	—1·0	0	0	0	1	0	0	2	1	26
	1200	...	978·4	...	1001·5	98·1	77·3	66·8	22·5	...	36	...	0·3	...	0	1	0	0	2	5	11	4	7
Sialkot	0000	830	974·2	...	1002·5	78·0	71·5	67·7	23·4	...	71	...	1·1	...	4	9	8	0	0	0	0	0	9
	0300	...	975·8	—1·0	1003·9	81·1	73·6	69·2	24·9	—0·6	68	—7	1·4	—0·2	2	11	4	4	3	1	0	1	4
	1200	...	974·0	...	1001·1	95·7	76·4	65·8	22·3	...	40	...	0·8	...	0	1	0	0	3	1	2	8	15
Jhelum	0000	765	977·3	...	1003·7	75·0	69·3	65·8	21·9	...	74	...	0·8	...	0	0	0	0	0	0	0	2	28
	0300	...	978·9	...	1004·8	82·0	71·9	66·3	22·2	...	59	...	1·4	...	0	0	1	1	0	0	1	3	24
	1200	...	975·9	...	1001·1	96·3	76·4	65·9	22·0	...	38	...	0·9	...	0	0	1	1	1	13	5	1	8

* Data not available.

(b) Mean for 29 days.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF SEPTEMBER, 1952

Sub-Division and Station	Hours of Observation	Height of bar cistern above mean sea level	Mean pressure: Station level reduced to standard temp. and gravity	Mean pressure: Departure from normal	Mean pressure: Reduced to standard temp. & M.S.L. or nearest GPKM level	Mean temperature of the air & humidity: Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Total Cloud amount: Mean amount	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										
NORTH PUNJAB (Contd.)																							
Rawalpindi	0000	1676	947·4	...	892·2	71·0	66·6	64·1	20·3	...	79	...	0·6	...	0	0	0	0	0	1	0	0	29
	0300	...	948·7	—0·3	893·8	75·4	68·7	65·0	21·2	—0·6	70	+12	1·2	—0·4	0	8	2	1	0	0	0	0	19
	(b) 1200	...	946·1	...	892·4	85·1	73·4	67·8	23·2	...	56	...	1·2	...	0	0	0	0	0	1	1	3	24
Khushab	0000	616	981·8	...	1003·0	77·8	69·6	64·5	21·0	...	65	...	0·2	...	2	6	6	5	7	1	2	1	0
	0300	...	983·4	—0·6	1004·3	83·6	71·4	64·5	20·8	—3·0	53	—11	0·3	—0·8	1	4	10	6	3	3	2	1	0
	1200	...	980·6	...	1000·9	98·9	73·3	57·0	16·4	...	26	...	0·5	...	0	0	5	11	9	4	0	1	0
Lyallpur	0000	605	982·2	...	1003·1	76·5	68·7	64·3	20·4	...	66	...	0·1	...	0	1	1	2	7	3	0	0	16
	0300	...	983·9	+0·2	1004·5	80·3	70·6	65·0	21·2	—2·4	61	—3	0·3	—1·2	1	0	0	2	5	4	1	1	16
	1200	...	981·5	...	1001·5	97·2	74·3	61·3	18·5	...	30	...	0·5	...	1	0	1	2	7	6	0	0	13
SOUTH PUNJAB																							
Montgomery	0000	558	984·1	...	1003·2	76·9	69·8	65·9	21·7	...	69	...	0·0	...	0	0	0	2	1	9	0	0	18
	0300	...	985·7	+0·3	1004·7	81·8	72·0	66·8	22·4	—3·5	60	—9	0·1	—0·8	0	0	0	5	3	12	1	2	7
	1200	...	983·2	...	1001·7	97·3	75·1	62·8	19·7	...	33	...	0·2	...	0	0	0	3	1	5	2	0	19
Multan	0300	413	989·5	—0·4	1003·6	81·4	73·6	70·1	24·8	—2·7	67	—2	0·3	—0·3	0	0	0	2	16	11	1	0	0
	1200	...	987·6	...	1001·4	98·1	77·2	66·6	22·4	...	36	...	0·0	...	0	0	0	1	9	16	1	3	0
Fort Abbas	0000	475	*	—H—	+	78·2	70·1	65·7	21·5	...	65	...	0·1	...	1	0	1	1	0	25	0	0	2
	0300	...	(J) 988·6	...	(J) 1004·9	84·3	72·4	66·3	21·8	...	53	...	0·1	...	0	0	0	2	0	26	0	0	2
	1200	...	985·6	...	1001·4	98·7	78·2	67·1	23·6	...	37	...	0·0	...	0	3	0	1	0	25	0	1	0
Bahawalpur	0300	384	991·9	+1·2	1005·0	80·1	73·5	69·9	25·8	—1·4	70	+3	0·1	—0·3	0	0	0	0	5	22	0	0	3
	1200	...	989·1	...	1001·8	98·4	78·3	67·9	23·9	...	38	...	0·1	...	0	1	0	0	0	13	1	0	15
Khanpur	0300	297	995·1	+1·2	1005·5	80·8	75·1	72·2	27·2	+3·0	76	+11	0·0	—0·4	0	0	0	0	8	18	2	1	1
	1200	...	991·9	...	1001·8	98·3	79·9	71·5	26·5	...	42	...	0·1	...	0	1	0	0	3	13	11	2	0
N.-W.F.P. (Upper)																							
Chakdara	0000	2197	928·9	...	893·7	68·8	61·7	56·6	15·9	...	66	...	0·8	...	2	9	11	0	1	0	0	0	7
	0300	...	929·9	...	894·8	72·7	64·0	58·8	16·9	...	62	...	0·5	...	7	3	9	1	0	3	0	1	6
	1200	...	927·3	...	893·4	89·0	71·3	62·1	19·0	...	41	...	0·7	...	1	1	4	1	7	12	3	1	0
Peshawar	0000	1175	963·5	...	1003·7	73·5	64·7	58·1	16·9	...	60	...	0·4	...	0	0	0	0	4	3	1	2	20
	0300	...	965·2	—0·4	1005·0	79·2	68·1	60·7	18·4	—1·7	54	—6	0·8	—0·7	3	1	0	0	0	0	0	4	22
	1200	...	962·2	...	1001·0	92·1	72·1	60·0	17·8	...	34	...	1·6	...	9	14	2	0	1	1	0	1	2
Landikotal	0000	3503	888·5	...	895·4	66·4	60·4	56·0	15·5	...	70	...	0·4	...	0	0	0	1	0	0	0	0	29
	0300	...	889·7	...	896·5	77·7	65·6	57·9	16·7	...	51	...	0·7	...	0	3	0	1	0	0	0	2	24
	1200	...	887·4	...	894·1	85·4	70·7	62·8	19·7	...	47	...	1·8	...	0	4	0	25	0	0	0	1	0
N.-W.F.P. (Lower)																							
Bannu	0000	1264	960·5	...	1003·4	75·5	66·9	61·3	18·7	...	62	...	0·5	...	1	2	1	0	0	1	0	3	22
	0300	...	961·9	...	1004·5	81·6	71·3	65·3	21·5	0·0	59	—1	0·4	—0·5	2	2	1	0	0	2	8	4	11
	1200	...	959·4	...	1000·8	95·2	73·5	61·4	18·3	...	33	...	1·5	...	0	5	10	11	1	0	0	1	2
Miranshah (R)	0000	3026																					
	0300																						
	1200	...																					
D. I. Khan	0000	570	982·5	...	1002·1	76·6	71·3	68·6	23·8	...	75	...	0·3	...	4	5	6	2	0	0	0	1	12
	0300	...	985·0	+0·3	1004·5	79·2	72·7	69·1	24·5	—0·8	72	+3	0·3	—0·5	2	7	0	3	0	0	0	0	16
	1200	...	981·5	...	1000·3	99·1	78·9	69·7	24·5	...	39	...	0·2	...	0	3	1	2	9	0	0	0	15

(b) Mean for 29 days (R) Register not received (J) Mean Pressure for 20 days. * Data rejected

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF SEPTEMBER, 1952

Sub-Division and Station	Hours of Observation	Height of barometer cistern above Mean sea level	Mean pressure: Station level reduced to standard temp. and gravity	Mean pressure: Departure from normal	Mean pressure: Reduced to standard temp. & M.S.L. or nearest GPKM level	Mean temperature of the air & humidity: Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Total Cloud amount: Mean amount	Departure from normal	Wind direction, Number of observations from: N	NE	E	SE	S	SW	W	NW	Calm
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	Oktas.										
BALUCHISTAN (North)																							
Fort Sandeman	0300	4614	857·3	+0·7	897·8	74·3	58·9	47·8	1·8	—1·3	40	—11	0·0	—0·6	0	0	0	0	0	0	0	0	30
	1200	...	855·0	...	894·1	89·2	63·2	42·4	9·2	...	19	...	1·7	...	0	0	0	0	0	0	0	0	(f) 25
Hindubagh	0000	5909	818·5	...	799·3	61·4	49·1	37·0	7·2	...	39	...	0·0	...	0	0	0	0	0	7	9	12	2
	0300	...	819·5	...	800·7	70·4	55·0	42·1	9·0	...	36	...	0·0	...	1	0	0	0	0	8	11	3	7
	1200	...	816·8	...	798·5	84·3	59·8	41·2	8·6	...	21	...	0·9	...	0	0	2	0	2	11	7	5	3
Loralai	(c) 0000	4699	852·0	...	896·3	61·1	50·2	38·2	7·9	...	43	...	0·0	...	0	0	0	4	1	4	6	0	13
	0300	...	853·3	...	895·9	67·8	54·2	40·6	9·0	...	39	...	0·0	...	0	0	0	2	0	6	10	1	11
	1200	...	851·0	...	892·9	86·2	64·6	49·3	12·0	...	28	...	0·0	...	0	0	0	5	3	15	0	1	6
Sibi	0000	441	988·5	...	1003·6	79·8	70·1	64·6	21·2	...	61	...	0·1	...	0	0	0	9	2	0	0	0	19
	0300	...	989·5	+1·0	1004·6	81·5	71·5	66·3	21·9	+1·4	59	+9	0·2	—0·3	0	0	4	2	1	0	0	0	23
	1200	...	985·9	...	1000·3	101·9	76·8	62·9	20·3	...	29	...	0·4	...	0	0	0	2	12	16	0	0	0
Quetta	0300	5490	830·7	—1·4	799·3	62·3	52·3	43·5	9·7	—0·5	51	—1	0·0	—0·3	1	1	0	0	0	0	0	0	28
	1200	...	828·4	...	798·4	84·1	58·9	37·7	8·1	...	20	...	1·0	...	11	2	0	0	0	2	0	12	(b) 2
Quetta (Samungli) ...	0000	5253	839·9	...	800·3	49·0	42·0	34·3	6·6	...	56	...	0·0	...	0	1	7	6	0	0	0	0	16
	0300	...	841·0	...	802·0	59·8	48·7	37·0	7·9	...	45	...	0·1	...	0	2	1	3	0	0	1	0	23
	1200	...	838·3	...	801·6	83·9	58·7	36·0	8·1	...	20	...	0·7	...	1	0	0	1	0	0	12	16	0
Chaman	0000	4311	865·3	...	897·3	66·1	54·1	42·0	9·4	...	43	...	0·0	...	0	1	23	5	0	1	0	0	0
	0300	...	866·9	+0·6	898·5	72·8	53·4	45·9	10·9	+3·0	39	+8	0·0	—0·2	1	4	5	11	2	3	1	0	3
	1200	...	863·8	...	894·6	87·9	64·3	46·6	11·2	...	25	...	0·0	...	0	0	0	0	0	7	18	5	0
Nushki	0000	3416	(d) 898·5	...	(d) 902·4	(d) 71·2	(d) 54·1	(d) 36·2	(d) 6·7	...	(d) 28	...	0·2	...	1	10	11	0	0	1	0	2	5
	0300	...	901·1	...	904·9	76·4	56·4	36·0	6·4	...	24	...	0·2	...	5	8	11	0	0	1	1	3	1
	1200	...	(c) 899·4	...	(c) 896·6	(c) 84·7	(c) 59·0	(c) 38·2	(c) 5·9	...	(c) 17	...	0·0	...	4	3	1	0	1	0	9	12	0
Kalat	0000	6616	799·0	...	800·6	48·6	42·1	34·9	6·7	...	59	...	0·0	...	0	0	0	0	26	0	0	0	4
	0300	...	799·9	+0·9	801·5	55·9	46·8	37·6	7·8	—0·9	51	+7	0·0	—0·3	1	0	0	0	27	0	0	0	2
	1200	...	798·1	...	799·9	78·0	55·5	35·4	7·0	...	21	...	0·2	...	2	0	1	0	0	0	1	22	4
Dalbandin	0000	2785	913·1	...	896·9	65·6	49·4	29·2	5·7	...	27	...	0·1	...	3	5	0	4	1	1	4	2	10
	0300	...	914·5	+1·2	898·4	68·6	51·2	29·8	5·6	—2·5	24	—10	0·2	—0·2	1	5	0	0	1	0	4	1	18
	1200	...	911·7	...	896·5	94·8	63·2	33·9	7·3	...	13	...	0·1	...	1	2	2	8	1	2	2	4	8
Nokkundi	0000	2229	931·3	...	896·8	70·8	54·8	31·4	8·3	...	32	...	0·0	...	13	2	0	1	0	0	0	13	1
	0300	...	932·7	...	898·3	76·5	55·8	35·8	7·0	—3·4	23	—10	0·0	—0·2	11	1	1	1	0	0	0	13	3
	1200	...	930·8	...	897·0	95·7	66·1	45·9	10·2	...	18	...	0·0	...	12	0	0	1	1	0	0	15	1
BALUCHISTAN (South)																							
Las Bela	0000	292	996·4	...	1006·7	76·6	72·8	71·0	25·9	...	82	...	3·1	...	*	*	*	*	*	*	*	*	*
	0300	...	997·4	+1·7	1007·4	80·5	75·4	73·1	27·9	—0·1	78	—3	2·1	—0·4	0	1	1	6	1	2	0	1	18
	1200	...	993·4	...	1003·2	95·6	78·3	69·7	24·8	...	43	...	0·9	...	0	0	0	25	2	2	0	0	1
Ormara...	0000	15	1004·9	...	1005·4	78·1	74·9	73·2	28·3	...	86	...	0·0	...	1	0	0	1	0	1	20	0	7
	0300	...	1006·3	...	1006·8	79·2	74·4	72·0	26·4	—1·2	78	—8	1·6	—3·3	0	2	0	1	0	2	19	0	6
	1200	...	1003·8	...	1004·3	85·4	75·3	69·9	25·1	...	61	...	0·0	...	0	1	0	0	5	5	19	0	0
Pasni	0000	10	1005·7	...	1006·0	74.9	73·0	72·3	26·8	...	90	...	4·4	...	0	2	1	5	0	1	7	8	6
	0300		1006·9	+0·8	1007·2	77·8	74·0	73·1	26·9	—0·4	82	—4	3·7	+0·4	0	1	7	5	0	0	8	7	2
	1200		1003·7	...	1004·0	85·0	77·5	75·2	28·8	...	70	...	0·7	...	0	0	0	2	3	24	1	0	0

* Data rejected. (a) Mean of 30 days. (b) Mean of 29 days. (c) Mean of 28 days. (d) Mean of 27 days. (f) Mean of 25 days.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF SEPTEMBER, 1952.

Sub-Division and Station	Hours of Observation	Height of bar. cistern above mean sea level	Mean pressure: Stn. level reduced to standard temp. and gravity	Mean pressure: Departure from normal	Mean pressure: Reduced to standard temp. & M.S.L. or nearest GPKM level	Mean temperature of the air and humidity: Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Total Cloud amount: Mean amount	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										
Turbat	0000	510	990·5	...	1008·4	76·5	70·0	66·0	22·1	...	71	...	0·0	...	0	3	0	4	1	4	1	3	14
	0300	...	990·6	...	1008·5	80·9	74·6	70·3	26·2	...	72	...	0·0	...	0	4	0	0	1	6	1	7	11
	1200	...	986·2	...	1003·1	102·5	83·6	74·3	30·5	...	43	...	0·0	...	0	6	0	1	0	13	3	7	0
Panjgur	0000	3177	900·9	...	897·4	65·8	52·5	37·2	8·1	...	37	...	0·1	...	10	13	2	0	1	2	0	2	0
	0300	...	901·7	+0·7	898·2	67·8	54·2	39·4	9·1	—4·9	39	—14	0·6	0·0	7	11	4	0	3	0	0	3	2
	1200	...	898·9	...	896·1	91·0	62·0	34·5	7·3	...	15	...	0·4	...	2	1	0	0	0	1	0	26	0
SIND (Upper)																							
Reti	0000	280	995·9	...	1005·7	77·2	73·0	70·9	25·7	...	82	...	0·0	...	0	0	0	0	22	2	3	0	3
	0300	...	997·5	...	1007·2	79·3	73·8	71·3	26·0	...	74	...	0·0	...	0	0	0	0	18	10	0	0	2
	1200	...	994·2	...	1003·4	100·0	78·5	68·4	23·5	...	36	...	0·0	...	0	0	0	0	8	10	5	2	5
Jacobabad	0000	183	997·0	...	1003·5	77·8	72·2	69·2	24·7	...	75	...	0·2	...	0	0	3	14	12	1	0	0	0
	0300	...	998·9	+0·8	1005·4	80·1	73·1	69·5	24·6	—3·8	70	—3	0·1	—0·4	0	1	3	19	6	1	0	0	0
	1200	...	995·7	...	1002·0	97·4	76·0	65·0	20·6	...	34	...	0·4	...	0	0	0	20	8	2	0	0	0
Sukkur																							
	0300	221	997·3	+1·0	1005·0	77·1	72·7	70·6	25·3	—1·9	79	+6	0·3	—0·1	0	0	1	5	11	10	3	0	0
	1200	...	994·3	...	1001·7	98·4	79·6	70·9	25·7	...	41	...	0·9	...	3	2	0	3	3	9	6	2	2
Pad Idan	0000	153	998·0	...	1003·3	74·2	71·5	69·7	25·2	...	88	...	0·1	...	0	0	0	18	11	0	0	0	1
	0300	...	999·7	...	1004·9	78·2	73·5	71·2	26·2	...	80	...	0·1	...	0	0	1	23	6	0	0	0	0
	1200	...	997·0	...	1002·1	98·3	78·5	68·8	24·2	...	38	...	0·5	...	0	2	0	16	10	1	1	0	0
SIND (Lower)																							
Umarkot	0000	55	1003·8	...	1005·7	73·7	73·1	72·9	27·9	...	98	...	0·0	...	0	0	0	0	10	8	0	0	12
	0300	...	1004·2	...	1006·7	80·5	76·0	74·0	29·1	...	80	...	0·0	...	0	0	0	0	9	16	0	0	5
	1200	...	1001·5	...	1003·3	95·0	80·4	74·0	28·8	...	51	...	0·3	...	0	0	0	0	5	19	3	1	2
Chhor	0000	19	1004·6	...	1005·3	73·8	72·4	71·7	26·7	...	93	...	0·6	...	0	0	0	0	14	11	0	0	5
	0300	...	1006·0	...	1006·7	77·9	74·9	73·5	28·3	...	86	...	1·6	...	0	0	0	0	9	18	1	0	2
	1200	...	1002·7	...	1003·4	92·4	79·6	73·9	28·2	...	55	...	1·8	...	0	1	0	0	3	21	5	0	0
Hyderabad	0000	96	1001·2	...	1004·5	75·9	72·2	70·4	25·5	...	84	...	0·3	...	0	0	0	0	0	28	0	0	2
	0300	...	1002·5	+0·7	1005·7	78·3	73·5	71·2	26·0	+0·8	78	+6	0·3	—1·0	0	0	0	0	0	27	0	0	3
	1200	...	999·9	...	1003·2	92·1	76·5	68·5	24·1	...	47	...	0·7	...	0	1	0	0	1	27	0	0	1
Karachi (Airport) ...	0000	73	1004·6	...	1005·5	77·8	74·5	72·8	27·6	...	84	...	3·9	...	0	0	0	0	0	9	15	3	3
	0300	...	1005·7	...	1006·6	79·9	75·2	73·0	27·8	...	80	...	4·7	...	0	0	0	0	0	18	10	2	0
	1200	...	1003·7	...	1004·7	84·0	76·6	72·9	27·9	...	69	...	3·0	...	0	0	0	0	3	26	1	0	0
Karachi (Manora) ...	0000	13	1005·1	...	1005·6	78·1	75·0	73·8	28·3	...	86	...	4·9	...	0	0	0	0	0	11	17	0	2
	0300	...	1006·3	+0·5	1006·8	79·5	75·7	74·2	28·6	—0·2	82	—4	5·4	+1·2	0	0	0	0	0	9	49	2	0
	1200	...	1004·2	...	1004·7	82·7	77·6	75·4	30·0	...	79	...	4·5	...	0	0	0	0	0	15	15	0	0
Badin (R)	0000	31																					
	0300																						
	1200																						

(R) Register not received.

TABLE II—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF SEPTEMBER 1952

B-Division and Station	Hours of Observation	Height of bar cistern above mean sea level	Mean pressure: Stn. level reduced to standard temp. and gravity	Mean pressure: Departure from normal	Mean pressure: Reduced to standard temp. & M.S.L. or nearest GPKM level	Mean temperature of the air and humidity: Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Total Cloud amount: Mean amount	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										
HILL-STATIONS (excluding Kashmir and Baluchistan)																							
Murree	0000	7113	782·9	...	798·6	57·8	52·0	46·9	11·2	...	66	...	1·9	...	0	1	0	1	1	4	3	20	0
	0300	...	784·1	—0·4	799·7	63·2	55·0	48·7	11·9	—1·1	61	—6	2·2	0·0	1	0	0	3	1	1	9	9	6
	1200	...	783·5	...	798·8	68·8	59·4	53·0	14·0	...	58	...	2·3	...	0	0	1	1	1	5	12	9	1
Cherat	0000	4272	865·8	...	896·3	71·2	59·7	50·8	12·8	...	49	...	0·4	...	1	0	0	0	25	0	1	1	2
	0300	...	867·2	—0·1	897·7	72·5	60·9	52·0	13·5	—2.1	50	—13	0·8	—0·7	7	0	0	0	11	4	3	0	5
	1200	...	866·1	...	895·7	84·0	65·0	51·6	13·3	...	34	...	1·5	...	5	0	0	3	19	1	0	1	1
Drosh	0000	4806	850·8	...	897·4	68·5	56·4	46·0	10·7	...	46	...	0·7	...	0	1	2	1	0	1	0	0	25
	0300	...	852·1	—1·0	898·9	67·3	56·3	46·8	11·0	—1·8	48	—10	1·7	+0·5	0	0	1	1	0	0	0	0	28
	1200	...	848·1	...	893·1	84·7	61·8	42·7	9·6	...	23	...	2·7	...	1	0	0	0	1	11	13	0	4
Parachinar	0000	5673	824·3	...	797·4	60·6	52·6	45·8	10·7	...	60	...	0·3	...	22	0	0	0	0	0	0	1	7
	0300	...	825·3	+0·1	798·9	68·4	55·7	46·0	10·6	—1·9	45	—11	0·5	—0·9	4	0	0	1	0	1	0	0	24
	1200	...	823·8	...	797·9	77·5	63·6	54·6	15·1	...	46	...	2·1	...	0	2	0	27	0	0	0	1	0
Wana	0300	4503	858·1	...	895·7	67·4	56·2	45·8	10·9	—1·6	48	—6	0·7	—0·1	0	1	0	0	0	4	0	0	25
	1200	...	856·3	...	892·3	85·6	62·2	40·4	9·6	...	24	...	0·8	...	0	11	3	8	2	5	0	1	0
AFGHANISTAN																							
Jalalabad	0300	1950	936·1	...	891·5	74·0	64·5	58·5	16·9	...	59	...	0·2	...	0	0	0	1	0	0	2	0	27
	1200	...	932·0	...	889·5	94·0	74·6	65·3	21·3	...	39	...	0·7	...	0	5	13	3	0	0	0	0	9
Kabul	0300	5955	819·8		801·8	58·6	46·3	32·3	6·3	—1·3	39	—2	0·0	—0·4	3	1	0	0	3	6	10	7	0
	1200	...	817·6	...	800·5	82·7	57·4	36·4	7·1	...	18	...	1·0	...	13	11	3	1	0	1	0	1	0
Kandahar	0300	3462	889·2	...	895·1	57·0	50·7	44·3	10·1	...	65	...	0·0	...	0	0	0	0	0	0	0	0	30
	1200	...	886·6	...	892·0	86·6	65·2	50·8	12·5	...	29	...	0·0	...	0	0	0	0	0	1	0	0	29
IRAN																							
Jask	0300	13	1005·4	...	1005·9	85·0	79·1	76·2	31·1	...	75	...	1·3	—0·1	4	4	19	0	0	0	0	2	1
	1200	...	1003·5	...	1003·9	91·9	82·0	77·5	32·8	...	64	...	0·6	...	0	0	1	1	9	19	0	0	0
ARABIA																							
Muscat	0300	20	1005·4	...	1005·8	84·1	78·4	76·3	30·6	...	76	...	0·5	—0·5	1	5	4	0	0	0	2	3	15
	1200	...	1003·9	...	1004·2	86·3	79·7	76·9	31·4	...	74	...	0·3	...	4	13	4	2	0	1	0	3	3
Kuwait†	0600	16	1006·0	...	1006·5	91·7	76·0	67·2	24·1	...	47	...	0·0	...	2	0	1	1	2	0	12	7	5
	1200	...	1003·3	...	1003·8	98·2	80·9	72·3	27·6	...	45	...	0·0	...	5	5	12	2	0	0	1	1	4

† Observation, recorded at 0600 hrs. G.M.T. instead of 0300 hrs. G.M.T.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF SEPTEMBER, 1952

Sub-Division and Station	Maximum temperature of the air °F				Minimum temperature of the air °F				Precipitation (Inches)						Wind velocity (Knots)		Thunder heard	Hail	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			Fog	Haze (dust)	Dust storm
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
EAST PAKISTAN (North)																					
Pabna	90·1	—0·7	94	16, 27	79·7	+3·3	76	25	6·12"	—2·25"	1·41	22	12	+0·9	×	...	0	0	0	0	0
Rajshahi ...	...	...	...	...	...	...	...	...	3·70	—6·08	1·20	8	6	—5·6	...	...	...	...	...	...	...
Sirajganj ...	84·4	...	88	10, 15	77·7	...	71	10	11·30	+1·61	1·92	10	13	+1·2	×	...	0	0	0	0	0
Bogra	88·0	—1·1	93	14	78·6	+0·7	75	21, 24	16·42	+5·13	2·50	14	20	+7·4	2·2	+0·8	14	0	0	0	0
Dinajpur ...	87·8	—0·9	94	10, 16	77·7	—0·2	72	27	20·94	+7·89	5·65	23	13	+0·5	2·4	+0·6	6	0	0	0	0
Rangpur ...	...	...	...	...	...	...	...	...	16·34	+2·24	4·08	20	15	+2·1	...	...	...	...	...	...	...
EAST PAKISTAN (East)																					
Cox's Bazar ...	88·3	+1·9	92	16, 29	76·0	+0·1	74	5, 21	24·51	+9·26	4·64	7	22	+7·6	3·9	+1·3	4	0	0	0	0
Chittagong ...	86·5	—0·6	89	5 days.	76·8	+0·4	74	3, 22	7·76	—4·88	1·55	3	11	—2·0	4·5	—0·2	0	0	0	0	0
Noakhali (Maijdee)	(b) 86·8	+0·1	90	16	(b) 78·4	+0·1	75	23	16·59	+0·49	2·60	8	23	+7·0	×	...	3	0	0	0	0
Brahmanbaria ...	89·1	—1·1	94	10	77·7	+1·2	74	23, 29	17·69	+8·09	4·13	10	14	+0·9	3·3	...	2	0	0	0	0
Comilla	86·0	—2·6	89	6 days.	77·9	+1·0	75	22, 23, 25	22·48	+11·13	3·85	21	16	+2·3	4·8	+1·6	1	0	0	0	0
Narayanganj ...	89·4	+0·7	94	16	79·0	+0·2	75	22, 23	13·80	+4·04	5·22	10	15	+2·9	4·1	+1·2	1	0	0	0	0
Srimangal ...	88·9	—1·4	92	10, 28	76·3	+1·0	74	4 days.	12·38	+0·61	2·74	10	18	+2.1	2·6	+0·1	16	0	0	0	0
Mymensingh ...	87·5	—0·3	91	10	78·9	+1.1	77	23	17·80	+3·71	3·74	10	16	+1·3	2·3	+0·9	4	0	0	0	0
EAST PAKISTAN (Deltaic)																					
Faridpur ...	88·6	+0·8	93	16,17	79·1	+0.6	75	22, 25	10·72	+1·46	2·33	22	19	+7·0	1·4	—2·3	5	0	0	0	0
Barisal	88·5	+0·4	94	16	79·2	+1.0	75	23, 24	8·17	—1·91	1·62	22	14	—0·2	3·3	+1·5	2	0	0	0	0
Khulna ...	90·0	+1·0	94	27	78·7	+0.2	75	10, 25	8·90	+0·98	2·35	22	13	+0·8	3·1	+0·5	0	0	0	0	0
Jessore	90·8	+1·5	95	16	77·8	+0.3	75	25	8·27	—0·21	1·90	10	14	+2·0	3·0	+1·1	0	0	0	0	0
Satkhira ...	88·4	—1·2	94	15	78·1	—0.2	75	25, 27	6·13	—2·65	1·15	22	11	—1·2	1·8	+0·3	0	0	0	0	0
KASHMIR																					
Srinagar × ...																					
Gulmarg × ...																					
Dras × ...																					
Leh ×																					
Skardu × ...																					
Gilgit (×) ...																					
Mis-gar ...	69·5	...	78	16, 19	42·4	...	33	23	0.10	...	0·04	21, 22	0	...	4·1	...	0	0	0	0	0
Jammu ×																					
Kargil ×																					
Gurez × ...																					
NORTH PUNJAB																					
Lahore ...	101·0	+3·7	105	12	75·8	+2·7	71	28, 29, 30	0·06	—2·14	0·06	27	0	—2·5	1·9	+0·6	2	0	0	0	0
Sialkot	98·0	+3·4	102	12, 14	77·7	+3·9	73	27	0·00	—3·43	0·00	...	0	—3·8	1·7	+0·5	0	0	0	0	0
Jhelum	99·6	...	103	12	73·9	...	69	11	0·17	...	0·15	5	1	...	1·4	...	3	0	0	0	1
Rawalpindi ...	96·3	+2·9	100	13, 14, 19	69·6	+0·3	64	11	1·05	—2·84	0·40	26	4	—0·6	1·5	+0·2	5	0	0	0	0
Khushab ...	101·4	+2·8	105	11, 12, 14	76·0	—0·1	71	25, 27, 28	0·00	—1·38	0·00	...	0	—2·0	3·5	—0·2	0	0	0	0	2
Lyallpur ...	99·4	+1·3	103	11, 12	75·4	+0·2	72	29	0·00	—1·49	0·00	...	0	—1·7	1·3	—0·7	0	0	0	0	0
SOUTH PUNJAB																					
Montgomery ...	99·3	0·0	103	11, 12	75·1	—0·8	72	26, 27	0·00	—1·27	0·00	...	0	—1·6	2·0	—1·4	0	0	0	0	0
Multan	99·5	+0·8	105	11	77·5	—0·2	71	27	0·00	—0·54	0·00	...	0	—0·7	3·4	+1·7	0	0	0	0	0
Fort Abbas ...	106·0	...	105	1	*	*	*	*	0·00	...	0·00	...	0	...	*	*	0	0	0	0	0
Bahawalpur ...	99·9	—0·5	103	2	76·9	+1·2	69	27	0·00	—0·13	0·00	...	0	—0·2	4·4	+1·3	0	0	0	0	0
Khanpur ...	99·9	—2·3	104	1	76·2	—0·8	72	27	0·00	—0·19	0·00	0	0	—0·2	6·0	+0·9	0	0	0	0	0
N.-W.F.P. (Upper)																					
Chakdara ...	94·6	...	98	5 days.	66·0	...	62	21, 23, 24	0·10	...	0·10	21	1	...	4·4	...	2	0	0	0	3
Peshawar ...	95·6	+0·6	100	2, 11, 14	71·2	—0·6	66	21	0·82	+0·01	0·82	21	1	—0·5	2·5	+1·2	4	0	0	0	2
Landikotal ...	90·9	...	98	19	64·8	...	59	21, 22, 30	0·71	...	0·44	21	3	...	2·5	...	6	0	0	0	1

×—Data not available. (b) Mean for 29 days. (*) Data rejected.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF SEPTEMBER, 1952

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)	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
N.-W.F.P. (Lower)																					
Bannu	97·9	0·0	101	1, 2, 4	73·9	+0·2	70	12, 13, 28	0·09	—0·54	0·09	9	0	—1·0	2·7	...	0	0	0	0	2
Miranshah (R) ...																					
D.I. Khan ...	99·9	+0·5	105	2	75·0	—0·6	70	27	0·00	—0·63	0·00	...	0	—0·9	1·6	+0·4	0	0	0	0	1
BALUCHISTAN (North)																					
Fort Sandeman ...	91·4	—1·3	98	4 days.	64·8	—1·4	60	17, 18	0·00	—0·32	0·00	...	0	—0·7	0·0	—1·7	0	0	0	0	0
Hindubagh ...	88·8	...	94	2, 18, 19	58·6	...	54	26, 27, 30	0·00	...	0·00	...	0	...	6·0	...	0	0	0	0	0
Loralai	89·9	...	94	4	57·2	...	50	27	0·00	—0·19	0·00	...	0	—0·5	3·8	...	0	0	0	0	0
Harnai	...	...	...	...	...	...	...	...	0·00	—0·94	0·00	...	0	—1·4	...	...	0	0	0	0	0
Sibi	102·9	—1·1	106	5 days.	77·7	—1·2	72	13	0·00	—0·13	0·00	...	0	—0·3	2·6	—0·7	0	0	0	0	0
Quetta	86·4	...	98	20	47·8	...	41	14	0·00	...	0·00	...	0	...	3·1	+1·5	0	0	0	0	0
,, (Samangli) ...	86·3	...	93	2	45·5	...	39	14, 26, 27	0·00	...	0·00	...	0	...	3·4	...	0	0	0	1	0
Chaman ...	90·2	—0·6	99	3	63·0	—0·7	58	13, 26	0·00	—0·03	0·00	...	0	—0·1	4·8	+1·1	0	0	0	0	0
Nushki	95·6	...	103	3, 4	69·7	...	64	14	0·00	...	0·00	...	0	...	6·1	...	0	0	0	0	0
Kalat	82·1	—1·9	89	2, 6	47·6	—0·9	41	10	0·00	—0·09	0·00	...	0	—0·2	4·4	+0·7	0	0	0	0	0
Dalbandin ...	96·7	—2·6	104	3	59·2	—2·4	52	27	0·00	0·00	0·00	...	0	0·0	3·8	+0·6	0	0	0	0	1
Nokkundi ...	98·1	—2·4	105	3	69·5	—1·4	62	24	0·00	0·00	0·00	...	0	0·0	9·5	+0·8	0	0	0	0	0
BALUCHISTAN (South)																					
Las Bela ...	100·7	+1·3	109	11	×	...	...	...	0·00	—0·58	0·00	...	0	—0·5	3·0	+0·6	1	0	0	0	1
Ormora ...	87·7	+1·3	101	11	76·9	+0·6	73	12, 29	0·00	—0·01	0·00	...	0	0·0	8·3	—1·0	0	0	0	0	0
Pasni	89·6	+0·4	104	11	73·3	+0·8	70	10, 16, 29	0·00	0·00	0·00	...	0	0·0	7·2	+1·2	0	0	2	2	0
Turbat	104·2	...	111	17, 18	74·9	...	70	25	0·00	...	0·00	...	0	...	5·7	...	0	0	0	0	0
Panjgur ...	92·6	—3·1	100	3	60·9	—4·1	55	15	0·00	—0·04	0·00	...	0	—0·2	3·7	+0·3	0	0	0	0	0
SIND (Upper)																					
Reti	100·2	...	105	1, 2	75·4	...	73	4 days.	0·00	...	0·00	...	0	...	7·9	...	0	0	0	0	0
Jacobabad ...	98·9	—3·4	103	10, 11, 30	76·6	—0·4	73	25, 26	0·00	—0·17	0·00	...	0	—0·3	5·7	+1·2	0	0	0	0	0
Sukkur	100·6	+0·2	105	1	74·7	—4·0	73	1, 25	0·00	—0·02	0·00	...	0	—0·1	2·9	—0·6	0	0	0	0	0
Pad Idan... ...	100·1	...	103	1, 2	72·8	...	69	25, 30	0·00	...	0·00	...	0	...	7·2	...	0	0	0	0	0
SIND (Lower)																					
Umarkot	97·1	...	102	30	73·4	...	72	16, 19, 27	0·00	...	0·00	...	0	...	5·5	...	0	0	0	0	0
Chhor ...	94·0	...	102	30	73·0	...	72	9 days.	0·00	...	0·00	...	0	...	6·8	...	0	0	0	0	0
Hyderabad	95·2	—2·1	102	30	75·5	—0·9	74	7 days.	0·00	—0·63	0·00	...	0	—0·8	8·2	+0·9	0	0	0	0	0
Karachi (Drigh Road)	87·1	...	97	30	76·5	...	71	26	0·00	...	0·00	...	0	...	12·4	...	0	0	0	0	0
Karachi (Manora)	85·2	—0·4	87	11, 25	77·7	+1·0	76	5 days.	0·00	—0·52	0·00	...	0	—0·5	7·3	—1·4	0	0	0	0	0
Badin (R) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
HILL STATION EXCLUDING KASHMIR AND BALUCHISTAN																					
Murree	72·2	—0·1	75	10 days	56·4	+1·6	50	21	2·93	—2·49	1·23	21	5	—2·2 ~~—22~~	5·0	+1·7	10	0	0	0	0
Cherat	88·0	+4·0	92	5 days	67·7	+1·6	57	21	1·16	—0·91	0·61	5	2	—0·9	5·1	+1·0	2	1	0	0	0
Drosh	89·0	+1·0	101	19	65·4	+1·0	59	21, 22	0·41	—0·28	0·19	21	2	+0·1	3·8	+0·6	9	0	0	0	0
Parachinar ...	80·8	—0·4	88	19	59·0	+0·4	55	28	1·50	—0·61	0·75	30	3	—2·0	3·8	+1·7	10	0	0	0	0
Wana	91·0	+1·4	96	20	60·2	—1·0	56	16	0·00	—0·49	0·00	...	0	—1·4	3·8	...	0	0	0	0	0
AFGHANISTAN																					
Jalalabad ...	97·8	...	107	18	66·5	...	60	25	0·00	...	0·00	...	0	...	1·8	...	0	0	0	0	0
Kabul	86·0	+1·5	92	19	50·6	—0·8	44	28	0·09	+0·05	0·09	8	0	—0·2	3·0	+1·1	2	0	0	0	0
Kandahar ...	93·1	...	100	4 days	52·3	...	45	26	0·00	...	0·00	...	0	...	0·6	...	0	0	0	0	0
IRAN																					
Jask	93·9	+0·3	100	14, 18	81·6	+0·8	77	16	0·00	0·00	0·00	...	0	0·00	6·6	—0·5	0	0	0	0	0
ARABIA																					
Muscat	90·2	—1·5	97	18	81·5	—1·1	77	5, 17	0·00	0·00	0·00	...	0	0·00	2·8	0·0	0	0	0	0	0
Kuwait † ...	101·9	...	114	1	32·2	...	75	27	0·15	...	0·15	11	1	...	×	...	0	0	0	0	0

(R) Register not received. (×) Data not available. (†) Observations recorded at 0600 hrs. G.M.T. instead of 0300 hrs. G.M.T.

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PAKISTAN WEATHER REVIEW, 1952

MONTHLY WEATHER REPORT

OCTOBER

Chief Features:

1. Formation of four depressions in the Bay of Bengal.
2. Generally weak monsoon over East Pakistan with a few brief spells of monsoon, and its withdrawal from the region at the end of the month.
3. East-ward passage of six low pressure waves across West Pakistan.

WEST PAKISTAN

Of the two low pressure waves moving eastward across the extreme north of West Pakistan during the first week, the first passed away after causing scattered thunderstorms in the upper North-West Frontier Province and the north Punjab on the 4th and 5th. The second, however, accentuated the seasonal low over Baluchistan causing slight to moderate thunderstorm activity over north Baluchistan, the Punjab and the North-West Frontier Province at the end of the week.

Two low pressure waves moving in quick succession, across the extreme north of the region were responsible for moderate thunderstorm activity over the upper North-West Frontier Province and the north Punjab on the last four days of the second week. Weather remained dry over the region during the second fortnight. Two feeble low pressure waves moved across the extreme north of the country in the last week of the month, but they caused only isolated thunderstorms in the north Punjab hills.

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

Drosh ¼" on the 4th and 14th.

The mean actual rainfall was in moderate defect over the south Punjab and in large defect elsewhere. Averaged over the regional as a whole, excluding Baluchistan, it was in large defect.

The mean maximum temperature was above normal in the south Punjab, below normal in the north Punjab and normal elsewhere. The mean minimum temperature was below normal in Baluchistan and normal elsewhere. Mean relative humidity was above normal in lower Sind, below normal in south Baluchistan and the upper North-West Frontier Province and normal elsewhere.

Skies were more clouded than usual over upper Sind and the south, Punjab normally clouded over the north Punjab and less clouded than usual over the rest of the region.

EAST PAKISTAN

Four depressions formed in the Bay of Bengal during the month. The first depression formed in the central Bay of Bengal on the 5th. It moved northwestwards and weakened off Orissa Coast by the 8th evening. The monsoon which was weak during the first week activitated on the 8th and fairly widespread rain fell over East Pakistan. It continued to be active during the second week and caused locally heavy falls on the 9th and 10th. According to the available press reports, many of the ten Thanas in the district of Chittagong were under water due to heavy rain in the middle of the month. Standing paddy crop was seriously damaged and breaches were caused in the roads. Several hundred mud houses collapsed due to heavy incessant rain. The river Gumti was in spate in Tipperah district due to heavy rain on the hill range of the neighbouring Tripura State.

The second depression formed in the Central Bay on the 15th but weakened the next morning.

A low pressure wave moved from lower Burma over the North Andaman Sea on the 18th morning and caused unsettled conditions which concentrated into a depression by the 19th morning within a degree of latitude 16°N and longitude 91°E. The depression moved slightly northwards on the 20th but weakened into a low off Arakan Coast by the 21st. Monsoon which was weak during the third week became active on the 22nd and caused fairly ~~Northwards~~ widespread rain in the Eastern sub-division.

The fourth depression moved from the East Central Bay of Bengal on the evening of 23rd, and was centred on 24th morning with its central region within half a degree of latitude 19°N and longitude 92°E. It moved northeastwards and crossed the Arakan Coast the same evening. It lay as a low over Burma and the north-eastern districts of East Pakistan by the 25th morning. Monsoon receded from the region by the end of the month.

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

Srimangal 2" on the 1st; Rangpur 2" on the 5th; Barisal 5", Brahmanbaria 2" on the 8th Comilla 5", Noakhali 3"' Mymensingh and Dinajpur 2" each on the 9th; Cox's Bazar 7", Noakhali 5", Commila and Barisal 4" each, Mymensingh and Khulna 3" each, Narayanganj 2" on the 10th; Cox's Bazar, Chittagong, Comilla, Bogra 3" each, Noakhali 2" on the 11th; Srimangal 4" on the 12th; Cox's Bazar 4", Chittagong 2" on the 13th; Cox's Bazar 4", Chittagong 2" on the 21st; Cox's Bazar 7", Noakhali 3", Chittagong and Comilla 2° on the 22nd; Bogra 3" on the 23rd.

The mean actual rainfall was in large excess over the Eastern sub-division, in moderate excess over the Deltaic Sub-division and in slight excess over the Northern sub-division. Averaged over the region, it was in large excess.

The mean maximum temperature was normal over the region while the mean minimum temperature was normal over the Deltaic Sub-Division and in excess elsewhere.

Mean relative humidity was normal and the skies were more clouded than usual over the region.

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

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TABLE I.—DIVISIONAL MEANS FOR OCTOBER 1952.

Division	PRECIPITATION				DEPARTURE FROM NORMAL OF				
	Actual	Normal	Departure from normal	Percentage departure from normal	Maximum temperature	Minimum temperature	03 hrs. G.M.T.		
							Vapour pressure	Relative humidity	Cloud
1	2	3	4	5	6	7	8	9	10
	"	"	"		°	°	m.b.	%	
(1) East Pakistan	9.32	5.63	+3.69	+65	+0.2	+1.9	+1.1	+1	+1.1
Mean of East Pakistan	9.32	5.63	+3.69	+65	+0.2	+1.9	+1.1	+1	+1.1
(1) Punjab	0.03	0.20	—0.17	—85	+2.5	+1.2	—1.2	—4	0.0
(2) N.-W.F.P.	0.02	0.13	—0.11	—85	+0.8	+0.7	—0.8	—2	—0.2
(3) Baluchistan	0.00	0.05	—0.05	—100	—0.8	—3.6	—2.2	—8	—0.7
(4) Sind	0.00	0.02	—0.02	—100	+1.5	—1.1	+0.9	+8	—0.4
Mean of West Pakistan excluding Baluchistan	0.02	0.13	—0.11	—85	+1.9	+0.3	—0.4	0	—0.2
East Pakistan (North)	5.91	4.76	+1.15	+24	+0.7	+2.6	+1.0	—1	+1.0
East Pakistan(East)	13.47	6.76	+6.71	+99	0.0	+2.3	+1.5	+1	+0.7
East Pakistan (Deltaic)	6.78	4.87	+1.91	+39	+0.2	+0.8	+0.6	+3	+1.6
Kashmir (x)									
North Punjab	0.02	0.29	—0.27	—93	+2.7	+1.4	—1.3	—4	—0.1
South Punjab	0.04	0.06	—0.02	—33	+2.2	+1.0	—1.1	—5	+0.1
N.-W.F.P. (Upper)	0.02	0.23	—0.21	—91	+1.7	—0.1	—1.4	—9	—0.5
N.-W.F.P. (Lower)	0.01	0.07	—0.06	—86	+0.3	+1.1	—0.5	+1	—0.1
Baluchistan (North)	0.00	0.08	—0.08	—100	—2.1	—3.5	—0.8	—2	—0.4
Baluchistan (South)	0.00	0.01	—0.01	—100	+0.9	—3.7	—4.3	—17	—1.3
Sind (Upper)	0.00	0.02	—0.02	—100	+1.8	—1.5	—3.0	—1	+0.1
Sind (Lower)	0.00	0.03	—0.03	—100	+1.2	—0.8	+3.6	+14	—0.8

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 Observation From:— N	NE	E	SE	S	SW	W	NW	Calm.
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas										
EAST PAKISTAN NORTH																							
Pabna	0300	39				82.9	77.7	76.0	30.5	+1.1	79	+1											
Sirajgonj	0000		1006.0		1007.7	76.4	75.5	75.2	29.2		95		4.3		2	3	0	0	0	0	0	0	26
	0300	49	1007.8		1009.6	82.8	77.8	75.5	30.5		79		4.7		4	1	0	3	1	0	1	1	20
	1200		1004.0		1005.7	81.8	77.7	76.0	30.9		83		4.2		0	0	0	1	1	0	0	0	29
Bogra	0000		1005.4		1007.6	76.2	74.8	74.3	28.5		93		4.5		0	0	0	0	0	0	0	0	31
	0300	63	1007.2	−2.3	1009.3	82.3	77.4	75.0	29.4	+0.4	79	−1	4.3	+1.7	4	6	11	0	0	6	1	1	2
	1200		1003.7		1005.8	84.0	78.0	75.0	30.0		75		4.1		1	2	4	0	0	5	3	0	16
Dinajpur	0000		1005.1		1009.3	74.9	73.7	73.3	28.2		95		2.1		0	2	0	10	0	0	0	0	29
	0300	123	1006.5	−1.0	1010.7	82.3	76.8	74.3	28.7	+1.2	77	−4	2.9	+0.3	0	2	3	0	0	0	0	0	26
	1200		1003.5		1009.7	83.1	77.5	75.2	29.7		77		1.6		0	2	1	0	0	0	0	0	28
EAST PAISTAN EAST																							
Cox's Bazar	0000	38	1007.3		1007.7	76.9	75.8	75.2	30.2		95		5.2		3	5	13	4	1	1	0	1	3
	0300		1008.8	−1.5	1010.1	82.8	78.2	76.1	31.3	+1.0	81	+1	4.3	+0.9	1	1	0	2	2	0	0	0	25
	1200		1005.7		1007.0	81.8	77.7	76.0	30.9		83		4.4		0	0	1	3	2	0	0	1	24
Chittagong	0000	87																					
	0300		1006.6	−2.2	1009.6	83.2	78.0	75.8	30.5	+0.9	79	−4	4.3	−0.7	6	4	8	4	3	0	0	0	6
	1200		1003.5		1006.5	82.4	77.9	76.0	30.2		81		4.3		3	0	3	3	4	3	6	7	2
Maizdi (Noakhali)	0000	22	1007.2		1007.9	76.9	75.7	74.8	30.2		95		(b) 3.5		1	0	0	3	(b) 0	1	0	1	23
	0300		1008.6	−2.3	1009.3	81.4	77.4	95.4	29.9	−0.7	83	0	(b) 3.7	+0.7	6	0	0	3	(b) 0	0	0	0	20
	1200		1005.0		1005.8	83.0	78.6	76.5	31.3		81		3.9		0	0	0	5	0	0	0	4	22
Comilla	0000	29	1007.1		1008.1	76.5	75.7	75.0	29.9		98		5.3		4	0	1	2	3	0	0	0	21
	0300		1007.9	−2.9	1008.9	81.9	77.7	75.8	30.9	+0.9	83	+7	4.1	+1.3	3	0	0	9	4	1	1	6	7
	1200		1004.6		1005.6	83.6	79.5	77.6	33.2		83		5.0		4	2	0	2	4	1	0	4	14
Brahmanbaria	0000	32	1007.1		1008.2	78.0	76.7	76.1	30.5		93		3.5		0	0	1	4	2	1	0	0	23
	0300		1008.6		1009.7	84.2	78.7	76.6	30.8	+1.6	77	+1	3.4		7	1	2	2	4	2	0	0	13
	1200		1004.9		1005.9	83.8	79.4	77.4	32.4		81		2.9		1	1	0	1	1	2	0	0	25
Srimangal	0000	69	1006.3		1008.7	73.2	72.5	71.5	27.1		98		4.5		0	1	0	0	5	0	0	0	25
	0300		1007.3	−2.6	1009.7	80.4	77.7	76.4	31.1	+2.7	89	+5	4.0	+0.8	2	1	4	3	8	1	2	0	10
	1200		1003.8		1006.1	81.2	79.2	78.5	32.9		91		3.8		0	2	0	0	6	1	2	1	19
Narayangonj	0000	26	1007.5		1008.4	77.9	76.1	75.4	29.7		91		4.5		0	0	4	2	3	2	0	0	20
	0300		1008.9	−2.0	1009.8	83.4	77.5	74.7	29.0	−0.1	75	−2	4.4	+1.0	6	1	6	3	4	3	1	5	2
	1200		1005.7		1006.6	84.0	77.8	74.9	30.0		75		4.6		1	0	2	3	4	2	1	0	18
Mymensingh	0000	62	1006.2		1008.5	78.7	77.3	76.8	31.5		94		3.9		0	0	0	0	0	0	0	0	31
	0300		1007.8	−2.2	1010.0	82.6	79.9	78.3	34.4	+5.6	80	−1	3.1	−0.4	0	0	2	0	0	0	0	0	29
	1200		1004.7		1006.9	83.9	79.5	77.4	32.4		76		2.8		0	0	4	0	0	0	1	0	27

(b) Mean for 29 days.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTHS OF OCTOBER 1952

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 Tmos. 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	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.	%	%	oks										
EAST PAKISTAN (DELTAIC)																							
Faridpur	0000		1006.1		1007.7	75.8	74.9	74.3	29.2		95		3.9		2	0	0	1	1	0	0	0	27
	0300	46	1007.1	−2.7	1008.7	82.7	77.8	75.3	30.5	+1.3	79	+3	4.3	+1.9	3	0	0	1	3	1	3	1	19
	1200		1004.7		1006.3	83.6	78.2	75.2	30.8		77		4.3		1	0	0	1	2	0	0	1	26
Barisal	0000		1007.3		1007.7	76.8	75.7	75.3	30.2		95		4.5		2	2	2	1	0	1	1	1	21
	0300	11	1009.2	−1.8	1009.6	82.1	77.5	75.5	30.2	0.0	81	+2	5.0	+2.0	5	4	4	3	1	4	2	3	5
	1200		1005.7		1006.1	83.2	78.1	75.9	30.5		79		5.3		1	1	1	1	2	2	1	2	20
Khulna	0000		1007.3		1007.8	76.3	74.9	74.4	28.5		93		3.8		0	2	1	3	0	0	1	3	21
	0300	16	1009.3	−1.9	1009.8	82.4	76.9	74.4	28.7	+0.2	77	+3	4.5	+1.1	0	9	1	4	0	1	4	6	6
	1200		1006.0		1006.6	81.9	77.2	74.8	30.2		81		3.5		0	1	0	4	0	2	0	0	24
Satkhira	0000		1006.8		1007.3	76.3	74.8	73.6	28.5		93		5.9		0	5	0	6	0	2	0	4	14
	0300	16	1008.9	−2.2	1009.4	81.5	77.2	75.1	29.1	−0.2	80	+2	5.1	+2.2	0	11	0	5	1	5	0	6	3
	1200		1005.7		1006.3	83.2	79.6	77.8	32.8		85		6.3		0	3	0	7	0	0	0	1	20
Jessore	0000		1007.2		1008.1	74.0	73.1	69.2	27.3		95		2.7		1	1	1	1	1	1	0	0	25
	0300	26	1008.8	−2.0	1009.7	80.7	77.2	75.7	30.6	+1.6	85	+7	3.7	+0.9	3	2	5	1	6	1	1	4	9
	1200		1005.9		1006.7	82.2	78.2	76.3	31.3		81		3.5 (b)		1	0	0	0	7	0	0	0	22
KASHMIR																							
Srinagar (X)	0000	5205																					
	0300																						
	1200																						
Gulmarg (X)	0000	8709																					
	0300																						
	1200																						
Dras (X)	0000	10059																					
	0300																						
	1200																						
Leh (X)	0000	11529																					
	0300																						
	1200																						
Skardu (X)	0000	7505																					
	0300																						
	1200																						
Gilgit (X)	0000	4890																					
	0300																						
	1200																						
Misgar	0000	10190	702.1		711.4	34.4	28.3	17.1	3.4		51		1.2		1	0	0	0	0	0	1	0	29
	0300		702.8	—	712.2	33.3	27.7	17.7	3.4	—	54	—	1.6	—	0	0	1	0	0	0	3	0	23
	1200		699.6		708.6	50.4	35.9	10.2	2.7		21		2.3		0	0	19	0	0	0	2	0	10

(b) Mean for 29 days.

(x) Data not available.

DIVISION AND STATION	Hours of observation	Height of bar cistern above mean sea level	Mean Pre sure: Station level reduced to standard temperature and gravity	Mean Pre sure: Departure from normal	Mean Pre sure: Reduced to standard temperature and M.S.L. or geopotential of 8gm/m 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	Wnd Directions Number of Observations From :— N	NE	E	SE	S	SW	W	NW	Calm.
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
ASHMIR—contd.																							
Jammu (X)	0000																						
	0300																						
	1200																						
Kargil (X)	0000																						
	0300																						
	1200																						
Gurez (X)	0000																						
	0300																						
	1200																						
NORTH PUNJAB																							
Lahore	0000	702	984.1		1008.9	63.3	58.3	54.2	14.4		72		0.5		0	2	1	1	0	0	0	0	27
	0300		985.7	—1.1	1010.1	71.8	62.5	55.1	15.2	—0.7	56	+1	0.6	0.0	0	2	0	1	2	0	0	0	26
	1200		983.2		1006.8	90.3	70.6	58.0	16.7		35		0.5		1	1	0	0	1	0	0	2	26
Sialkot	0000	830	978.9		1007.8	68.0	59.0	51.5	13.0		56		0.5		1	17	1	3	1	0	0	1	7
	0300		980.5	—2.4	1009.3	72.5	61.7	53.5	13.9	—1.9	51	—11	0.9	+0.3	2	10	3	1	1	1	0	4	9
	1200		978.4		1006.4	87.2	68.4	55.9	15.2		34		1.5		1	0	0	0	1	0	1	2	26
Jhelum	0000	765	982.3		1009.6	61.7	55.6	50.1	12.4		66		0.6		0	0	0	1	0	2	0	1	27
	0300		983.8	—	1010.6	70.1	59.2	50.1	12.8	—	48	—	0.8	—	0	1	2	7	2	0	1	2	16
	1200		980.6		1006.2	89.7	67.0	49.6	12.4		26		1.2		1	0	1	0	2	6	7	2	12
Rawalpindi	0000	1676	951.7		895.1	60.4	53.9	47.9	11.6		65		X		0	0	0	0	0	0	0	0	31
	0300		953.1	—1.6	897.0	66.7	56.8	48.6	11.8	—1.0	53	+1	0.5	—0.4	0	0	0	0	0	0	0	0	31
	1200		950.8		896.6	82.4	64.2	51.1	13.1		35		0.8		0	1	0	0	0	0	3	0	27
Khushab	0000	616	987.0		1008.9	64.5	56.2	48.9	11.7		58		0.3		1	8	9	4	4	2	0	1	2
	0300		988.4	—1.8	1010.0	71.5	59.6	49.3	12.1	—1.3	45	—7	0.4	—0.2	4	10	8	3	1	1	0	1	3
	1200		985.9		1006.5	92.5	66.8	46.0	10.9		21		0.9		2	1	4	7	7	5	2	3	0
Lyallpur	0000	605	986.9		1008.3	66.4	57.7	51.6	12.4		57		0.7		2	5	4	3	3	1	2	1	10
	0300		988.6	—1.6	1009.9	69.8	59.6	51.3	12.9	—1.7	53	—2	0.7	0.0	1	3	1	6	5	2	1	1	11
	1200		986.1		1006.5	90.3	67.5	50.4	12.7		25		0.7			1	0	5	7	1	5	3	9
SOUTH PUNJAB																							
Montgomery	0000	558	988.7		1008.3	64.2	58.6	54.2	14.3		70		0.4		0	0	0	0	0	18	7	2	4
	0300		990.0	—1.5	1009.4	73.2	62.7	54.7	14.7	—1.6	53	—7	0.5	+0.1	0	0	2	6	3	5	1	1	15
	1200		987.6		1006.2	93.1	73.3	61.1	19.0		36		0.4		0	0	0	4	0	1	0	1	25
Multan	0300	413	994.6	—1.9	1008.9	75.4	62.5	52.0	13.5	—3.7	44	—15	0.7	+0.3	5	0	0	2	8	4	2	3	7
	1200		993.0		1006.8	95.1	70.2	53.0	13.9		24		0.1		2	1	1	0	3	10	0	2	12
Fort Abbas	0000	475	992.5		1009.4	65.7	55.9	45.0	10.9		47		0.9		2	7	1	8	0	4	0	2	7
	0300		993.5	—	1010.1	76.3	60.5	47.0	10.9	—	34	—	0.9	—	1	5	1	7	2	10	0	1	4
	1200		990.9		1006.8	94.9	75.2	63.1	20.9		38		0.3		0	5	0	3	1	18	1	3	0

(X) Data not available.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF OCTOBER 1952

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 45°Lat 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
SOUTH PUNJAB—contd.																							
Bahawalpur	0300	384	997.1	—0.8	1010.4	67.4	61.5	56.8	16.0	—0.5	69	+14	0.4	0.0	0	0	1	7	0	5	0	1	17
	1200		993.3		1006.2	93.8	75.6	65.9	22.0		41		0.4		0	0	0	0	0	0	1	0	30
Khanpur	0300	297	998.9	—2.0	1009.3	72.7	64.0	58.0	16.5	+2.1	61	+8	0.2	0.0	4	2	0	0	4	13	2	2	4
	1200		996.4		1006.4	93.3	73.4	61.3	19.1		38		0.3		6	0	0	0	1	2	6	8	8
N.W.F.P. (Upper)																							
Chakdasra	0000	2225	933.2		896.9	59.1	51.7	45.5	10.1		59		0.0		5	8	10	1	1	1	1	1	3
	0300		935.3	—	899.2	62.2	54.4	47.6	11.3	—	58	—	0.0	—	10	4	1	0	2	0	2	2	10
	1200		931.1		896.8	82.7	67.2	58.0	16.5		43		0.2		0	0	0	1	19	10	1	0	0
Peshawar	0000	1175	968.8		1010.0	63.2	52.9	41.0	9.2		44		0.3		0	0	1	1	11	9	1	0	8
	0300		970.4	—2.0	1011.2	68.7	56.9	45.0	10.5	—1.4	43	—9	0.5	—0.5	0	0	0	2	7	6	1	0	15
	1200		967.2		1006.7	84.8	65.0	490	12.2		29		1.8		2	6	2	0	0	0	0	3	18
Landikotal	0000	3503	892.5		899.6	56.3	48.	38.7	8.2		53		0.4		0	0	0	0	0	0	0	1	30
	0300		893.9	—	900.9	67.4	54.3	41.4	9.1	—	40	—	0.4	—	0	0	0	0	0	0	0	5	26
	1200		891.6		898.4	77.5	59.8	45.5	10.4		32		1.5		0	3	0	13	0	1	0	3	
N.W.F.P. (Lower)																							
Bannu	0000	1263	965.4		1009.4	66.3	55.6	44.5	10.3		46		0.5		0	0	0	0	0	1	15	10	5
	0300		966.5	—	1010.1	72.0	59.2	47.4	11.4	—0.9	43	—8	0.6	0.0	0	0	0	0	0	3	16	7	5
	1200		964.5		10069	85.5	66.5	52.2	13.7		32		1.4		1	4	4	9	2	1	0	2	8
Miranshah (R)	0000	3026																					
	0300																						
	1200																						
D. I. Khan	0000	570	987.8		1008.0	64.6	58.1	52.5	13.6		65		0.0		4	9	0	0	1	1	1	2	13
	0300		989.7	—1.7	1009.9	65.5	59.9	53.0	15.1	—0.2	71	+10	0.4	—0.1	3	8	1	0	0	0	2	2	13
	1200		87.6		1006.7	91.8	72.4	60.7	18.4		36		0.2		1	4	3	6	1	0	0	0	16
HILL STATIONS (excluding Kashmir & Baluchistan)																							
Murree	0000	7113	784.7		800.7	52.5	44.2	34.8	6.9		53		0.6		0	0	0	4	0	8	2	19	7
	0300		786.2	—1.0	801.9	57.8	46.8	35.7	7.0	—0.1	43	—3	0.7	—0.4	2	3	2	1	2	0	9	7	5
	1200		785.2		800.9	60.7	49.6	38.8	8.2		46		1.8		0	0	1	1	0	1	9	11	8
Cherat	0000	4272	869.2		900.3	63.4	51.1	35.8	7.9		38		0.5		3	2	2	2	7	1	1	4	8
	0300		870.5	—1.1	901.6	65.9	52.1	36.9	7.7	—1.2	35	—13	0.4	—0.5	9	0	0	2	5	2	2	9	2
	1200		869.2		899.6	75.5	56.6	37.7	8.1		26		0.9		4	0	0	4	15	3	0	2	
Drosh	0000	4806	855.1		903.1	57.6	46.3	31.4	6.2		38		0.8		0	0	0	5	0	0	0	0	25
	0300		856.6	—1.3	904.8	56.0	45.5	31.2	6.2	—1.7	40	—17	1.3	—0.1	0	1	0	1	0	1	0	0	23
	1200		852.4		898.7	73.1	52.2	24.1	4.9		17		3.0		1	1	4	1	4	8	3	1	8

(R) Data not received.

DIVISION AND STATION	Hours of observation.	Height of bar cistern above mean sea level.	Mean Pressure: Station level reduced to standard temperature and gravity.	Mean Pressure: Departure from normal.	Mean Pressure: Reduced to standard temperature and M.S.L. or geopotential of 850/700 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 Direction Number of Observations From :— N	NE	E	SE	S	SW	W	NW	Clm.
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
HILL STATION recluding Kashmir and Baluchistan)—coutd.	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas										
Paraclimar (X)	0000	5673																					
	0300																						
	1200																						
Wana	0300	4503	861.7	—	900.5	55.5	44.6	29.4	5.7	—0.8	36	—10	0.3	0.0	0	0	0	1	0	2	0	1	27
	1200		860.0		897.4	74.3	51.3	17.5	3.7		12		1.8		0	2	0	13	3	7	0	1	5
AFGHANISTAN																							
Jalalabad	0300	1950	942.0	—	896.3	66.3	55.6	46.5	10.8	—	49		0.3	—	0	0	0	1	0	2	3	0	25
	1200		937.8		894.3	86.4	67.4	55.9	15.2		35		1.0		0	4	8	3	0	0	1	0	15
Kabul	0300	5955	822.5	—	804.1	47.9	38.4	24.2	4.6	—0.1	40	— 6	0.3	—0.6	5	0	0	0	5	5	8	7	1
	1200		820.3		802.8	71.3	51.9	32.4	6.2		23		2.0		6	8	4	5	3	1	0	0	4
Kandhar	0300	3462	894.9	—	901.0	43.9	39.9	34.1	6.8	—	69	—	0.1	—	0	1	0	0	0	0	0	0	30
	1200		892.0		897.7	74.3	59.5	47.6	11.0		39		0.4		0	0	0	0	0	0	0	0	31
BALUCHISTAN (NORTH)																							
Fort Sandeman	0300	4614	861.4	+0.3	903.3	59.9	45.9	27.5	5.0	—0.9	28	—21	0.1	—0.5	0	0	0	0	0	(a) 0	0	0	30
	1200	—	858.4	~~—0.2~~	808.7	(a) 78.5	55.5	(b) 29.6	5.8		17		1.4	~~0.0~~	0	0	0	0	0	(f) 0	0	0	25
Hindubagh	0000	5909	821.0		801.4	49.1	40.2	27.4	5.2		45		0.5	—	0	0	0	0	0	7	8	10	6
	0300		822.4		803.0	56.3	45.0	31.4	5.9		39		0.4		0	0	0	0	0	6	10	1	14
	1200		819.9		801.1	72.2	52.4	32.2	9.9		23		1.2		1	0	5	2	3	11	5	3	1
Loralai	0000	4699	855.8		900.9	52.1	42.6	26.9	5.5		41		0.1		0	0	0	1	0	12	16	0	2
	0300		857.2		901.9	57.5	45.7	27.8	5.8		36		0.2		0	0	0	1	1	16	9	0	4
	1200		855.0		897.9	75.7	56.2	34.1	7.5		25		1.1		0	2	2	2	10	7	1	0	7
Sibi	0000	441	992.6		1008.2	65.9	54.6	43.0	9.4		43		0.1		2	2	2	0	1	0	0	0	24
	0300		993.7	—1.5	1009.0	68.9	55.8	42.5	9.5	—0.1	39	+5	0.2	—0.2	5	2	1	0	1	0	0	5	17
	1200		990.9		1005.5	97.9	69.5	46.2	11.7		19		0.5		0	1	0	3	1	12	1	0	3
Quetta (Samungli)	0000	5213	843.0		802.2	57.9	32.2	24.0	4.3		56		0.2		0	0	6	13	0	0	1	0	11
	0300		844.0		804.1	44.3	37.4	27.7	5.0		51		0.4		0	0	4	8	0	0	1	0	18
	1200		811.3		80[illegible].3	72.7	53.6	33.6	7.5		27		0.7		0	0	0	1	0	0	10	19	1
Quetta	0000	5490																					
	0300		833.9	—2.2	801.8	52.0	44.2	35.3	7.0	+0.9	53	+4	0.3	—0.2	0	0	0	0	1	0	0	0	30
	1200		831.3		800.6	72.0	53.7	36.0	7.2		27		0.8		8	3	0	0	1	1	4	12	2
Chaman	0000	4311	869.5		902.3	55.5	45.5	32.0	6.4		43		0.3		0	1	24	3	1	0	0	1	1
	0300		870.7	—0.8	903.2	61.3	48.1	32.3	6.6	+0.7	37	+4	0.1	—0.5	0	3	12	10	0	2	0	1	3
	1200		868.5		900.1	76.0	58.2	41.2	9.2		30		0.2		0	1	0	0	2	8	17	3	0
Kalat	0000	6616	801.0		802.6	36.8	31.9	25.0	4.4		59		0.0		0	0	0	1	28	0	0	0	2
	0300		801.8	—0.6	803.2	42.7	36.2	26.8	5.0	—0.9	53	+8	0.2	—0.2	0	0	0	0	29	0	0	0	2
	1200		800.2		801.8	65.9	47.7	24.9	4.8		23		0.4		0	0	0	1	0	0	0	26	1

(X) Data not available.

(b) Data for 29 days.

(a) Mean for 30days.

(f) Date for 25 days.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF OCTOBER 1952

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
BALUCHISTAN—(NORTH)—contd.	GMT.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	oktas										
Nushki	0000	3416	908.8		906.5	61.5	45.6	22.3	3.8		21		0.2		2	12	7	0	0	(b) 0	0	0	8
	0300		904.5		908.5	66.2	47.5	19.4	3.8		15		0.1		4	10	9	0	0	1	0	1	6
	1200		900.2		904.2	80.9	55.8	25.3	(b) 5.3		14		0.2		1	0	1	0	(b) 0	1	13	12	1
Dalbandin	0000	2785	917.8		901.2	52.3	40.8	21.5	4.0		30		0.0		3	5	4	3	0	0	1	2	13
	0300		919.3	+0.3	902.7	53.8	41.3	20.5	3.9	−1.9	27	−11	0.0	−0.6	2	6	1	0	0	1	0	0	21
	1200		916.6		900.9	83.3	56.6	24.9	4.9		12		0.0		1	4	5	2	2	5	2	0	10
Nokkundi	0000	2229	935.8		901.0	61.8	46.4	23.0	4.6		24		0.0		13	3	1	0	0	0	0	10	4
	0300		937.4		902.4	64.9	47.8	27.8	4.4	−3.6	24	−20	0.0	−0.6	12	4	1	0	0	0	0	8	6
	1200		934.8		901.6	84.8	58.6	30.2	6.6		16		0.2		11	0	2	2	2	1	0	10	3
BALUCHISTAN (South)																							
Panjgur	0000	3177	904.9		901.2	58.7	44.4	22.5	4.2		24		0.0		12	1	3	1	0	0	0	3	1
	0300		905.8	−0.6	902.2	59.9	45.4	23.8	4.6	−3.2	25	−21	0.0	−0.4	7	14	4	1	0	0	1	4	0
	1200		903.2		899.8	81.0	56.2	29.2	5.3		14		0.0		4	1	0	0	0	1	2	23	0
Turbat	0000	510	994.3		1012.3	69.1	56.0	42.0	9.5		39		0.0		0	17	0	10	1	0	0	1	[illegible]
	0300		944.6		1012.7	74.0	58.8	46.5	11.3		39		0.0		0	16	0	11	0	0	0	2	[illegible]
	1200		991.0		1008.1	98.9	72.5	54.9	15.3		24		0.0		0	7	0	7	1	0	4	12	0
Jiwani	0000	185	1003.3		1009.9	71.0	67.9	65.0	22.2		83		0.0		8	3	0	1	0	1	2	4	12
	0300		1004.6		1011.2	72.9	67.3	62.2	20.5		74		0.6		8	2	0	1	0	2	4	8	6
	1200		1002.5		1008.5	85.6	72.6	64.8	21.3		51		0.1		0	0	0	2	11	10	8	0	0
Pasni	0000	28	1009.0		1009.3	67.3	61.5	56.5	15.6		69		0.4		6	1	2	0	0	1	13	8	0
	0300		1010.4		1010.8	72.5	64.5	57.2	16.5	−5.2	61	−17	0.5	−1.2	1	5	4	0	0	0	11	7	3
	1200		(a) 1007.4		(a) 1007.7	(a) 85.4	(a) 72.6	(a) 63.8	(a) 20.9		51		(a) 0.0		2	0	1	0	(a) 0	25	2	0	0
Ormara	0000	15	1008.0		1008.5	72.9	68.8	66.3	22.4		81		0.0		1	0	0	0	0	0	13	1	15
	0300		1009.5		1010.0	72.7	66.7	62.6	19.9	−2.7	72	−7	0.0	−2.0	0	1	3	2	0	1	9	0	15
	1200		1006.8		1007.3	86.8	75.7	69.8	25.7		58		0.0		0	1	0	0	4	0	26	0	0
Lasbela	0000	292	999.5		1009.1	63.8	56.9	50.2	12.7		62		0.0		0	0	0	0	0	1	0	0	30
	0300		1000.8	−0.9	1010.9	76.0	62.0	50.3	12.7	−6.0	41	−21	0.0	−1.4	5	3	0	1	0	0	1	3	20
	1200		996.9		1006.8	98.1	69.1	45.5	11.1		18		0.1		0	0	1	16	5	6	0	0	[illegible]
SIND LOWER																							
Karachi (Manora)	0000	13	1008.0		1008.5	74.0	71.6	70.7	25.2		88		0.4		0	0	0	0	0	3	2	2	24
	0300		1009.2	−2.1	1009.7	75.8	72.3	69.7	25.7	+1.3	85	+5	0.5	−0.9	0	1	0	0	0	0	3	1	24
	1200		1006.9		1007.4	82.5	77.2	75.0	29.7		78		0.7		0	0	0	0	0	12	18	1	[illegible]
Karachi (Airport)	0000	73	1005.9		1008.5	68.4	65.8	63.4	20.2		87		0.5		4	0	0	0	0	2	2	3	[illegible]
	0300		1007.4		1010.0	71.3	66.6	63.0	20.0		78		0.5		2	0	0	0	0	0	2	2	[illegible]
	1200		1004.9		1007.4	87.6	74.1	66.6	23.0		51		0.5		0	0	0	0	3	19	8	0	[illegible]
HYDERABAD																							
Badin	0000	31	*	*	*	*	*	*	*		*		0.0		0	0	0	0	0	22	0	1	[illegible]
	0300		*		*	71.0	68.9	66.5	30.3	+9.0	95	+27	0.0	−1.0	0	1	0	1	0	19	0	2	[illegible]
	1200		*		*	84.3	73.1	60.8	23.2		57		0.0		0	3	0	0	0	22	0	2	[illegible]

(a) Data for 30 days. (b) Datafor 29 days. (f) Data for 25 days. * Data rejected.

DIVISION AND STATION	Hours of observation.	Height of bar cistern above mean sea level.	Mean Pressure: Station level reduced to standard temperature and gravity.	Mean Pressure: 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
SIND—(Lower)—contd.	G.M.T.	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	H				ok	tas									
Umarkot	0000	55	1008.9		1010.9	70.3	68.1	67.1	22.2		88		0.4		4	0	0	0	6	0	1	1	13
	0300		1009.9		1011.9	75.2	70.4	68.1	23.4		79		0.5		1	0	0	0	5	8	0	0	17
	1200		1005.5		1007.4	96.0	76.9	67.1	22.8		40		0.1		3	0	0	0	0	9	4	4	11
Chhor	0000	19	1007.3		1008.0	67.3	64.9	63.2	19.7		87		0.6		0	0	0	0	3	6	0	1	21
	0300		1008.9		1009.6	73.3	69.4	67.0	22.5		81		1.9		1	3	0	0	8	11	0	0	8
	1200		1005.7		1006.4	94.0	79.1	72.0	27.1		49		1.1		3	1	0	0	3	13	8	1	2
Hyderabad	0000	98	1004.4		1007.8	70.8	64.6	59.9	18.2		71		0.2		2	1	0	0	1	15	1	0	11
	0300		1005.9	−1.9	1009.2	71.8	65.6	61.1	18.9	+0.4	71	+10	0.1	−0.4	4	1	0	0	1	18	1	0	6
	1200		1003.1		1016.4	96.3	69.2	49.1	12.0		20		0.2		0	6	0	1	2	20	1	0	1
SIND (Upper)																							
Padidan	0000	153	1003.2		1007.7	63.6	57.6	52.3	13.8		68		0.0		7	1	2	2	1	1	1	3	13
	0300		1003.8		1009.2	69.8	61.2	54.3	14.7		59		0.2		2	5	2	10	1	0	1	0	16
	1200		1001.5		1006.7	95.1	68.5	47.6	11.7		21		0.3		8	5	0	3	1	0	3	5	6
Nawabshah	0000	124	(R)																				
	0300		,,																				
	1200		,,																				
Sukkur	0300	221	1001.5	−1.9	1009.3	70.2	63.5	58.7	16.5	−1.1	68	+9	0.3	+0.1	3	3	3	11	4	0	2	4	1
	1200		999.3		1006.4	94.1	71.0	56.1	15.5		28		0.5		10	6	0	0	2	6	2	4	1
Reti	0000	280	999.1		1009.1	65.1	58.8	52.7	14.1		66		0.0		0	2	2	0	2	1	10	0	14
	0300		1000.6		1010.6	71.3	62.0	54.7	14.6		56		0.0		0	3	0	1	5	1	2	0	19
	1200		998.0		1007.4	95.5	73.5	58.7	17.1		31		0.0		6	3	0	0	3	1	10	6	2
Jacobabad	0000	183	1001.3		1007.9	67.8	57.3	47.1	11.5		49		0.0		1	4	4	7	6	1	0	3	5
	0300		1003.1	−1.4	1009.6	73.4	60.1	48.7	11.5	−4.9	42	−12	0.3	0.0	4	2	4	3	5	1	1	5	6
	1200		1000.5		1006.8	94.5	65.0	36.4	8.1		14		0.1		0	2	0	10	6	10	0	3	0
JUNAGARH																							
Veraval	0000	26	(R)																				
	0300		,,																				
	1200		,,																				
ARABIA																							
Muscat	0300	20	1010.6		1011.2	84.0	72.4	67.0	22.1	—	55	—	0.0	−0.6	1	1	1	0	1	1	10	4	12
	1200		1009.1		1009.6	85.4	76.5	72.2	26.6		65		0.0		5	9	0	1	2	1	2	10	1

(R) Data not received.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND, VELOCITY AND WEATHER DURING THE MONTH OF, OCTOBER 1952

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 inch 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
EAST PAKISTAN NORTH																					
Pabna	90.0	—0.3	95	4,5	75.8	+3.4	67	27,28	11.30	+6.91	4.35	9	6	+0.5							
Rajshahi									2.30	—1.47	0.80	8,10	3	—1.5							
Sirajgong	83.6		89	7					2.60	—2.11	0.94	10	5	—0.2							
Bogra	88.3	+0.5	92	4 days	75.3	+2.2	68	27	9.78	+4.65	2.65	11	9	+3.5	1.6	+0.5	6				
Dinajpur	89.3	+1·9	93	23	74.2	+2.1	67	26.27	3.82	—0.93	2.34	9	4	—0.5	1.6	+0.4					
Rangpur									5.65	—0.17	1.75	5	8	+3.5							
EAST PAKISTAN EAST																					
Cox s Bazar	88.2	+1.1	95	8	75.7	+2.1	72	13	22.54	+15.38	8.04	10	10	+2.5	2.4	+0.7	10				
Ch tagong	88.0	+1.1	93	7,24	75.6	+2.2	71	27	14.86	+7.77	3.17	11	10	+3.0	3.0	—0.1	2				
Maijdi (Noakhali)	86.9	+0.3	91	4,7,18	75.3	—0.3	65	11	17.16	+9.03	4.55	10	10	+2.3							
Comilla	85.9	—2.3	91	4 days	75.9	+2.5	72	27,28,29	16.60	+9.88	4.87	9	8	+1.4	2.3	+0.7					
Brahmanbaria	88.8	—0.4	93	7,8,29	76.6	+2.4	72	27,28	8.88	+2.54	1.75	8	10	+3.1	1.6						
Srimangal	88.0	—1·0	94	25	72.9	+2.7	68	30	11.96	+4.90	3.91	12	11	+2.9	1.7	0.0	4		2		
Narayangonj	88.4	+0.2	95	7	76.9	+1.6	70	27,28	5.93	+0.66	2.35	10	6	0.0	2.0	+0.5					
Mymensingh	88.1	+1.0	92	26	79.3	+5.4	76	4 days	9.85	+3.53	3.14	10	8	+1·9	2·2	+1.3					
EAST PAKISTAN DELTAIC																					
Faridpur	88.9	+1.6	93	5,19	75.2	+1.1	71	30	3.53	—1.32	1.04	8	6	+0.4			2				
Barisal	88.1	+0.5	94	7	76.1	+1.2	69	27,28	13.37	+7.23	5.21	8	9	+2.1	1.9	+0.6	7		4		
Khulna	88.7	+0.6	93	3,5	75.5	+0.5	67	26,27	6.21	+1.95	2.92	10	7	+0.8	1.8	+0.1			1		
Satkhira	87.0	—2.7	93	4,7	74.3	+0.2	62	27	6.21	+1.71	1.60	10	8	+2.3	1.2	+0.2					
Jessore	89.8	+0.8	95	3,4,7	73.4	+0.9	62	27	4.60	+0.01	2.00	8	6	+0.2	1.8	+0.6					

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND, VELOCITY AND WEATHER DURING THE MONTH OF, OCTOBER 1952

DIVISION AND STATION	Maximum Temperature of the Air °F				Minimum Temperature of the Air °F				PRECIPITATION (INCHES)						Wind Velocity (knots)		WEATHER Number of the Day				
	Mean.	Departure from normal.	Highest.	Date.	Mean.	Departure from normal.	Lowest.	Date.	Total of the month.	Departure from normal.	Heaviest fall in 24 hours.	Date.	Days with 0.10 inch or more.	Departure from normal.	Mean.	Departure from normal.	Thunder heard.	Hail.	Visibility Code Figures or less: Fog.	Visibility Code Figures or less: Haze (dust)	Visibility Code Figures or less: Dust Storms.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
KASHMIR																					
Srinagar (x)																					
Gulmarg (x)																					
Dros (x)																					
Leh. (x)																					
Skardu (x)																					
Gilgit (x)																					
Misgar	58.6	—	68	1	31.0	—	24	26	0.00	—	0.00	—	0	—	3.3	—	0	0	0	0	0
Jammu (x)																					
Kargil (x)																					
Gurez (x)																					
NORTH PUNJAB																					
Lahore	95.9	+1.9	104	4	62.2	+2.4	51	28.29	0.10	—0.14	0.10	14	1	+0.5	1.5	+0.5	1	0	0	0	0
Sialkot	94.5	+3.1	100	2.3	65.4	+3.3	56	28	0.00	—0.34	0.00	—	0	—0.8	1.3	+0.2	0	0	0	0	0
Jhleum	95.5	—	101	2.3	59.7	—	49	28.29	—	—	0.00	—	0	—	1.3	—	2	0	0	0	1
Rawalpindi	92.1	+3.5	98	3	57.7	+0.7	48	27.28	0.00	—0.60	0.00	—	0	—1.4	1.3	+0.1	0	0	0	0	0
Khushab	96.4	+2.8	103	2	62.7	—0.7	53	27.28	0.00	—0.15	0.00	—	0	—0.4	3.3	+0.4	0	0	0	0	2
Lyallpur	95.5	+2.3	103	3	63.5	+1.1	51	28	0.00	—0.12	0.00	—	0	—0.4	2.6	+1.2	3	0	0	0	0
SOUTH PUNJAB																					
Montgomery	97.1	+2.1	106	4	63.4	—0.1	52	27,28.30	0.12	+0.04	0.12	6	1	+0.7	1.5	—0.8	1	0	0	0	0
Multan	98.0	+3.6	106	3	65.8	+2.1	54	4 days	0.00	—0.08	0.00	—	0	—0.2	1.3	+0.2	0	0	0	0	0
Fort Abbas	98.2	—	107	4	*	—	—	—	—	—	0.00	...	0	—	(c) 2.9	—1.9	0	0	0	0	0
Bahawalpur	97.7	+2.1	105	2,3,4	63.4	+0.9	54	29	0.00	—0.06	0.00	—	0	—0.2	4.6	+2.6	0	0	0	0	0
Khanpur	97.8	+0.9	106	3	65.0	+1.1	56	26	0.00	—0.02	0.00	—	0	—0.1	3.5	—0.1	0	0	1	0	0
N. W. F. P. (Upper)																					
Chakdara	88.9	—	94	3	55.0	—	46	29	0.00	—	0.00	—	0	—	5.0	—	0	0	0	0	1
Peshawar	89.5	+1.7	94	2,4,18	60.4	—0.1	54	23	0.02	—	0.02	15	0	—0.6	1.9	+0.8	1	0	0	0	1
Landikotal	82.5	—	91	4	53.7	—	46	30	0.06	—	0.06	15	0	—	2.1	—	1	0	0	0	1
N.W.F.P. (Lower)																					
Bannu	91.4	+0.8	97	2,3	63.9	+2.0	55	29	0.00	—0.04	0.00	—	0	—0.1	2.8	—	0	0	0	0	1
Miranshah (R)																					
D. I. Khan	93.1	—0.2	101	3	62.0	+0.3	50	28	0.03	—0.08	0.03	6	0	—0.3	1.8	+1.0	0	0	0	0	1
HILL STATIONS (excluding Kashmir & Baluchistan)																					
Murree	68.6	+1.0	73	4	51.1	+1.8	46	25	0.13	—1.43	0.07	5	0	—2.7	4.5	+0.9	4	0	0	0	0
Cherat	80.2	+3.6	87	2,3	60.0	+1.6	54	31	0.00	—0.56	0.00	—	0	—1.3	5.2	+0.1	1	0	0	0	0
Drosh	79.6	+2.9	86	4,10	54.2	+1.0	46	15,16	0.48	—0.79	0.20	14	3	—0.1	2.4	+0.4	7	0	0	0	0
Parachinar(x)																					
Wana	81.3	+1.3	89	2	46.6	—0.4	39	28,29,31	0.20	+0.08	0.20	7	1	+0.7	2.7	—	0	0	0	0	0

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

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

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND, VELOCITY AND WEATHER DURING THE MONTH OF OCTOBER, 1952

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 9 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 inch 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
AFGHANISTAN																					
Jalalabad	89.8	—	97	4	55.7	—	47	27,30	0.00	—	0.00	—	0	—	1.8	—	0	0	0	0	0
Kabul	75.8	+2.5	83	1,3	41.6	+0.2	34	20	0.03	—0.37	0.03	14	0	—0.8	2.9	+1.1	1	0	0	0	0
Kandhar	82.9	—	92	1	40.3	—	31	23	0.00	—	0.00	—	0	—	0.4	—	0	0	0	0	0
BALUCHISTAN (North)																					
Ft. Sandaman	87.1	+4.5	92	5	52.3	—0.6	44	26	0.04	—0.06	0.04	6	0	—0.2	0.0	—1.3	0	0	0	0	0
Hindubgh	77.6		83.0	4	45.9		39	23	0.00	—	0.00		0	—	5.7	—	0	0	0	0	0
Lorlai	81.0		87.0	—2.3	49.0		45	5 days	0.16	+0.15	0.08	6 & 7	0	0.0	3.8		2	0	0	0	0
Sibi	99.4	+1.8	107	3,4	62.8	—2.7	52	4 days	0.00	0.00	0.00		0	0.0	1.3	—1.0	0	0	0	0	0
Harnai	—	—	—	—	—	—	—		0.00	—0.25	0.00		0	—0.4	—	—	—	—	—	—	—
Quetta (Samungli)	75.6		85.0	1	32.7		21	24	0.02	—	0.02	7	0	—	3.1	—	2	0	0	1	0
Quetta	75.2		83.0	1	36.4		28	24	0.11	—	0.11	7	1	—	3.1	+1.6	1	0	0	0	0
Chaman	79.0		88	1,2	52.1	—1.4	39	23	0.02	—0.14	0.02	7	0	—0.2	4.5	+0.5	0	0	0	0	0
Kalat	71.6	—3.7	84	1	35.5	—5.5	23	23	0.0	—0.09	0.00	—	0	—0.2	4.3	+0.5	0	0	0	0	0
Nushki	82.8		92	1	59.5		47	23	0.00	0.00	0.00	—	0	—	5.1	—	0	0	0	0	0
Dalbandin	85.4	—3.6	94	1,2	45.4	—5.5	34	23	0.00	—0.02	0.00	—	0	—0.1	3.2	+0.6	0	0	0	2	0
Nokkurdi	88.1	—4.1	96	1,2	57.7	—2.4	47	3 days	0.00	0.00	0.00	—	0	0.0	7.3	+2.1	0	0	0	0	0
BALUCHISTAN (South)																					
Panjgur	83.5	—3.7	90	1,2	49.6	—5.8	38	21	0.00	0.01	0.00	—	0	—0.1	4.0	+0.4	0	0	0	0	0
Turbat	101.5		109	2,3	66.3		56	25	0.00	—	0.00	—	0	—	4.7	—	0	0	0	0	0
Jiwani	90.4		99	5,6,8	68.3		83	3 days	0.00	—	0.00	—	0	—	5.9	—	0	0	2	0	0
Pasni	93.0	+2.5	101	10	65.1	—2.2	81	27	0.00	0.00	0.00	—	0	0.0	7.9	+2.8	0	0	0	0	0
Ormara	90.6	+1.4	99	18	67.6	—3.2	59	25,26	0.00	0.00	0.00	—	0	0.0	8.0	+0.7	0	0	0	0	0
Lasbella	103.0	+3.3	110	3	x		x		0.00	—0.01	0.00	—	0	0.0	1.9	0.0	0	0	2	0	0
SIND (Lower)																					
Kurachi (Manora)	86.4	—0.9	98	9	72.5	—1.2	66	23	0.00	—0.02	0.00	—	0	—0.1	4.4	—1.3	0	0	1	0	0
Karachi (Airport)	94.5		103	9	66.0		57	28	0.00	—	0.00	—	0	—	3.9	—	0	0	3	0	0
Badin	98.5	+2.5	107	10	69.0	—0.9	61	24	0.00	—0.03	0.00	—	0	—0.1	2.0	—	0	0	0	0	0
Umarkot	100.0		108	3	67.9		61	3 days	0.00	—	0.00	—	0	—	3.0	—	0	0	2	0	0
Chhor	97.3		104	3,10	65.1		54	26	0.00	—	0.00	—	0	—	2.9	—	0	0	1	0	0
Hyderabad	99.9	+2.1	108	10	69.9	—0.3	63	4 days	0.00	—0.03	0.00	—	0	—0.1	3.3	—1.1	0	0	0	0	0
SIND (Upper)																					
Padidan	98.5		106	2,3	60.4		50	26	0.00	—	0.00	+	0	—	2.3	—	0	0	0	0	0
Nawabshah (R)																					
Sukkur	99.4	+3.4	106	2,3	66.3	—2.6	57	26,27	0.00	—0.01	0.00	—	0	0.0	1.6	—0.9	0	0	0	0	0
Reti	99.3		108	3	62.6		52	26	0.00	—	0.00	—	0	—	3.7	—	0	0	0	0	0
Jacobabad	97.7	+0.2	105	4	65.3	—0.3	57	26,27	0.00	—0.03	0.00	—	0	—0.1	3.4	+0.6	0	0	0	0	0
JUNAGARH																					
Veraval (R)																					
ARABIA																					
Muscat	89.0	—2.0	95	4,6	78.7	—1.1	72	3 days	0.00	—0.14	0.00	—	0	—0.2	3.3	+0.5	0	0	0	0	0

X— Data not recorded.

(R) Data not received.

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PAKISTAN WEATHER REVIEW 1952.

MONTHLY WEATHER REPORT

NOVEMBER

PUBLISHED BY THE AUTHORITY OF THE GOVERNMENT OF PAKISTAN

Chief Features :—(1) Withdrawal of monsoon from East Pakistan during the second fortnight.

(2) Feeble Western Disturbance activity over West Pakistan.

WEST PAKISTAN

Of the five western disturbances that moved across the region, the second and the last were slightly active. The former caused scattered rain/thunderstorms over the North-West Frontier Province, northeast Baluchistan and the north Punjab on a few days in the middle of the second week while the latter caused light rain/drizzle over northeast Baluchistan at the close of the month. The remaining three disturbances moved away eastwards across the extreme north of the region causing only cloudy weather over there.

Only traces of rainfall were reported from a few places during the month. The mean actual rainfall during the month was in moderate defect over the south Punjab and in large defect elsewhere over West Pakistan, with no rain over the upper North-West Frontier Province, upper Sind and south Baluchistan. Averaged over the plains of West Pakistan it was in large defect.

The mean minimum temperature was normal over the region, and the mean maximum temperature was generally normal over West Pakistan outside the Punjab and upper Sind where it was in excess.

The mean relative humidity was in excess over lower Sind and normal elsewhere over the region. Skies were clouded normally over upper Sind and less than usual elsewhere over the region.

EAST PAKISTAN

Monsoon which had receded temporarily from the region at the end of the last month activated again, due to the presence of a low over Bengal and caused rainfall activity in the beginning of the month.

The second week began with the formation of a depression within a degree of latitude 14° N and longitude 88-1/2°E. It moved initially northwards and intensified into a deep depression by the next morning, when it lay near the latitude 18°N and 88 1/2° E. Moving northeastwards it was located near latitude 20°N and 90°E on the 10th but weakened off Chittagong coast the next day. On the 12th morning, however, it moved into East Pakistan and became unimportant the next day. It caused rainfall activity over the region for five days of the second week.

Monsoon finally withdrew from the region at the beginning of the second fortnight.

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

Srimangal 1" on the 2nd, Brahmanbaria 4", Bogra 2", Comilla 1-1/2", Dinajpur 3/4". Noakhali and Srimangal 1/2" each on the 3rd; Comilla 2", Noakhali 1-1/2", Narayanganj 1" and Srimangal 3/4" on the 4th; Cox's Bazar 1", Chittagong 1/2" on the 9th; Cox's Bazar 3", Chittagong 2", Dacca 1-1/2" and Bogra 3/4" on the 10th: Barisal 1-1/2", Noakhali 1", Chittagong Narayanganj, Mymensingh and Khulna 1/2" each on the 11th; Chittagong, Comilla and Mymensingh 1" each on the 12th.

The mean actual rainfall during the month was in slight defect over the Deltaic subdivision, in moderate excess over the Northern subdivision and in large excess over the Eastern subdivision.

The mean maximum temperature was normal and the mean minimum temperature was in excess over the region.

The mean relative humidity was normal over the region. Skies were clouded normally over the Eastern sub-division and more than usual elsewhere over the region.

Table 1 contains the Divisional and Sub-divisional means of rainfall, temperature, humidity and cloud for the 5 chief Divisions and 12 Sub-divisions of Pakistan. These means are based on the observations at the stations whose monthly means are given in the subsequent tables.

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TABLE I—DIVISIONAL AND SUB-DIVISIONAL MEANS—NOVEMBER, 1952

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		°	°	mb	%	
East Pakistan	2·15	1·13	+1·02	+90	+0·1	+2·6	+1·3	+2	+0·5
Mean of East Pakistan	2·15	1·13	+1·02	+90	+0·1	+2·6	+1·3	+2	+0·5
Punjab	0·02	0·11	—0·09	—82	+2·3	+1·2	—0·1	+2	—0·5
North-West Frontier Province	0·01	0·21	—0·20	—95	+0·7	+0·7	—0·1	+1	—0·7
Baluchistan	0·01	0·10	—0·09	—90	+0·4	—0·9	—0·1	—1	—0·7
Sind	0·00	0·07	—0·07	—100	+1·6	+0·4	+1·2	+9	—0·3
Mean of West Pakistan excluding Baluchistan	0·01	0·11	—0·10	—90	+1·8	+0·8	+0·3	+4	—0·5
SUB-DIVISION									
East Pakistan (North)	0·80	0·59	+0·21	+36	+0·7	+2·6	+1·2	—5	+0·3
East Pakistan (East)	3·90	1·57	+2·33	+1·48	—0·4	+2·4	+1·3	+2	+0·4
East Pakistan (Deltaic)	0·97	1·09	—0·12	—11	+0·6	+3·0	+1·5	+5	+0·9
Kashmir*									
North Punjab	0·01	0·15	—0·14	—93	+2·5	+1·2	—0·4	+1	—0·5
South Punjab	0·04	0·06	—0·02	—33	+2·0	+1·1	+0·3	+4	—0·5
North-West Frontier Province (Upper)	0·00	0·31	—0·31	—100	+1·8	+0·3	+0·4	0	—1·4
North-West Frontier Province (Lower)	0·01	0·15	—0·14	—93	—0·3	+0·9	—0·4	+2	—0·5
Baluchistan (North)	0·02	0·13	—0·11	—85	+0·9	—1·0	+0·1	0	—0·7
Baluchistan (South)	0·00	0·05	—0·05	—100	—0·1	—0·7	—0·3	—1	—0·7
Sind (Upper)	0·00	0·03	—0·03	—100	+2·6	—0·5	—0·7	+1	+0·1
Sind (Lower)	0·00	0·11	—0·11	—100	+0·9	+0·9	+2·5	+14	—0·6

* Data incomplete.

TABLE II—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF NOVEMBER, 1952

Sub-Division and Station	Hours of Observation	Height of barcistern above mean sea level	Mean pressure: Stn. level reduced to standard temp. and gravity	Mean pressure: Departure from normal	Mean pressure: Reduced to standard temp. & m.s.l. or nearest GPKM level	Mean temperature of the air & humidity: Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Total Cloud amount: Mean amount	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 (North)	GMT	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	Oktas										
Pabna	0300	...	...	...	...	76·7	70·2	67·0	22·5	+1·1	71	—4											
Sirajganj	0000	49	1007·5	...	1009·2	68·5	67·1	65·9	22·3	...	92	...	3·0	...	1	1	1	0	0	0	0	7	20
	0300	...	1009·4	...	1011·1	75·7	71·7	69·6	25·0	...	81	...	2·2	...	1	0	1	1	0	1	0	18	8
	1200	...	1007·0	...	1008·7	75·7	73·2	71·7	27·1	...	88	...	1·2	...	1	1	0	1	0	0	0	2	25
Bogra	0000×	65	1009·3	...	1011·6	67·5	65·7	64·5	20·2	...	89	...	3·4	...	0	1	0	0	0	0	0	0	29
	0300	63	1011·4	—1·7	1013·6	74·5	69·8	66·8	23·5	+3·1	79	+2	2·5	+1·1	6	11	4	1	0	2	1	1	4
	1200	...	1007·9	...	1010·1	77·6	70·7	66·7	22·7	...	69	...	2·5	...	1	2	3	1	0	0	2	0	21
Dinajpur	0000	123	1009·0	...	1013·3	63·3	62·0	61·2	18·0	...	91	...	1·1	...	0	0	2	0	0	0	0	0	28
	0300	...	1010·6	—0·8	1015·0	74·2	66·9	63·1	18·8	—0·6	65	—12	0·8	—0·5	0	0	3	0	0	0	0	0	27
	1200	...	1008·0	...	1012·3	76·4	68·9	65·5	20·4	...	67	...	0·2	...	0	0	1	0	0	0	0	0	29
EAST PAKISTAN (East)																							
Cox's Bazar	0000×	10	1011·0	...	1011·3	69·2	67·7	67·2	22·3	...	92	...	2·3	...	0	10	17	0	0	0	0	0	3
	0300	38	1011·9	—0·8	1013·2	77·3	71·3	68·0	23·2	—1·7	73	—4	1·5	—1·2	0	1	0	0	1	0	0	0	28
	1200	...	1009·1	...	1010·4	77·6	70·7	67·4	22·7	...	69	...	1·6	...	0	0	0	1	1	0	0	0	28
Chittagong	0300	87	1010·2	—1·5	1013·2	76·0	71·3	68·8	24·3	+0·9	79	—2	2·0	—0·6	4	17	7	1	1	0	0	0	0
	1200	...	1007·0	...	1010·0	76·7	70·6	67·3	23·2	...	73	...	2·2	...	9	4	1	0	0	2	4	9	1
Noakhali (Maijdi)	0000	25	1010·5 (k)		1011·3 (k)	69·1 (†)	67·9 (†)	66·9 (†)	22·9		95		*		0	0	0	1 (b)	0	0	0	0	28
	0300	...	1012·6 (k)		1013·3 (k)	75·0 (†)	71·3 (†)	69·1 (†)	24·8	+1·1	83	+3	*		0	0	0	2 (b)	0	0	0	0	27
	1200	...	1009·3 (l)		1010·1 (l)	76·3 (†)	71·5 (†)	68·9 (†)	23·7		77		*		0	0	0	1 (b)	0	0	0	0	28
Brahmanbaria	0000	32	1010·9	...	1012·0	69·4	68·2	67·5	22·9	...	95	...	2·9	...	1	2	1	3	0	0	0	0	23
	0300	...	1012·5	...	1013·6	77·6	71·5	68·2	24·1	+1·0	73	+3	2·9	...	3	3	4	3	1	1	0	0	15
	1200	...	1008·9	...	1010·0	78·6	72·7	69·8	25·0	...	74	...	2·4	...	0	1	0	4	0	2	0	0	23
Comilla	0000	29	1010·3	...	1011·3	67·6	67·1	66·5	22·8	...	97	...	3·9	...	2	1	1	1	2	0	0	0	23
	0300	...	1011·7	—2·2	1012·7	74·1	70·5	68·5	23·9	+0·7	83	+8	2·9	+1·2	6	2	0	5	2	2	0	0	13
	1200	...	1008·1	...	1009·1	77·2	76·1	70·1	30·2	...	95	...	3·5	...	4	0	0	0	2	0	0	1	23
Narayanganj	0000	26	1011·0	...	1011·9	69·7	68·1	67·1	23·1	...	92	...	2·9	...	0	2	3	1	3	0	1	1	19
	0300	...	1012·5	—1·5	1013·4	78·0	71·4	67·6	23·4	+1·5	71	—3	2·8	+0·7	8	4	6	2	1	1	1	3	4
	1200	...	1009·4	...	1010·3	77·3	71·0	67·6	22·5	...	71	...	3·0	...	2	0	1	1	0	1	0	0	25
Srimangal	0000	69	1009·6	...	1012·1	62·8	62·2	61·4	19·1	...	97	...	3·2	...	1	1	1	1	0	0	0	0	26
	0300	...	1011·2	—1·6	1013·6	70·7	68·7	67·6	23·3	+1·9	90	+7	3·2	+1·2	1	4	0	5	4	0	1	0	15
	1200	...	1007·8	...	1010·2	72·9	71·4	70·4	25·7	...	93	...	2·6	...	1	0	3	1	1	0	0	0	24
Mymensingh	0000	62	1009·7	...	1011·9	72·7	71·4	71·0	25·7	...	93	...	2·1	...	0	0	0	0	0	0	0	0	30
	0300	...	1011·8	—1·4	1014·0	77·2	73·9	72·3	26·6	+4·8	84	+5	2·9	+1·0	0	0	5	0	0	0	0	0	25
	1200	...	1009·0	...	1011·2	78·1	72·8	70·0	24·8	...	75	...	1·9	...	0	0	5	0	0	0	0	0	25
EAST PAKISTAN (Deltaic)																							
Faridpur	0000	46	1009·6	...	1011·2	67·4	66·2	65·3	21·4	...	95	...	2·8	...	2	2	0	0	0	0	0	0	26
	0300	...	1010·6	—2·7	1012·2	74·5	70·2	67·7	23·5	+1·6	79	+2	2·9	+1·5	8	5	0	0	2	0	0	1	14
	1200	...	1008·1	...	1009·7	77·6	70·9	67·0	23·4	...	71	...	3·0	...	2	2	0	0	1	0	0	0	25
Barisal	0000	11	1010·9	...	1011·3	69·2	68·0	67·1	22·9	...	95	...	3·2	...	3	2	1	0	0	0	1	1	22
	0300	...	1012·8	—1·5	1013·2	75·6	71·1	68·8	24·3	+1·0	79	+4	3·0	+1·2	6	5	1	0	1	3	3	4	7
	1200	...	1009·4	...	1009·8	77·9	71·7	68·3	24·1	...	73	...	3·5	...	3	2	1	0	1	0	1	0	22
Khulna	0000	16	1011·2	...	1011·8	68·3	66·7	65·7	21·5	...	92	...	2·4	...	0	3	0	0	0	1	0	5	21
	0300	...	1013·0	—1·7	1013·5	76·4	70·7	67·6	23·0	+2·4	75	+8	2·5	+0·3	0	9	0	0	0	0	4	4	13
	1200	...	1010·1	...	1010·6	76·4	70·3	67·3	22·3	...	73	...	1·8	...	0	2	0	0	0	2	0	1	25
Jessore	0000	26	1011·1	...	1012·0	64·5	62·6	60·6	18·8	...	89	...	2·2	...	1	2	1	0	1	0	2	0	23
	0300	...	1012·5	—1·9	1013·4	72·6	68·8	66·5	22·4	+1·5	81	+7	2·0	+0·4	4	7	1	0	0	1	2	4	11
	1200	...	1009·7	...	1010·6	76·2	70·5	67·0	23·0	...	75	...	2·3	...	4	0	2	0	1	0	0	1	22
Satkhira	0000	16	1011·3	...	1011·9	67·8	66·6	65·4	21·1	...	95	...	4·2	...	0	5	0	0	0	1	0	2	22
	0300	...	1013·2	—1·3	1013·8	74·2	69·3	66·2	21·9	+1·1	77	+4	3·1	+0·9	0	5	0	0	0	2	0	14	9
	1200	...	1009·7	...	1010·3	78·9	73·7	70·6	26·4	...	78	...	4·4	...	0	2	0	0	0	0	0	3	25

(b) Observation for 29 days. (k) Observation for 20 days. (l) Observation for 19 days. × Observations at 0000 hrs. were taken at a distant site by the P.B.O. Staff.

* Data rejected. † Extrapolated from Barisal.

TABLE II—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF NOVEMBER, 1952

Sub-Division and Station	Hours of Observation	Height of bar. cistern above mean sea level	Mean pressure: Stn. level reduced to standard temp. and gravity	Mean pressure: Departure from normal	Mean pressure: Reduced to standard temp. & m.s.l. or nearest GPKM level	Mean temperature of the air & humidity: Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Total Cloud amount: Mean amount	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																							
Srinagar ×	0000	5,205																					
	0300																						
	1200																						
Gulmarg ×	0000	8,709																					
	0300																						
	1200																						
Dras ×	0000	10,059																					
	0300																						
	1200																						
Leh ×	0000	11,529																					
	0300																						
	1200																						
Skardu ×	0000	7,505																					
	0300																						
	1200																						
Gilgit ×	0000	4,890																					
	0300																						
	1200																						
Misgar	0000	10,190	699·0	...	708·4	26·4	22·6	14·8	2·9	...	59	...	1·5	...	0	0	0	0	0	0	3	0	27
	0300	...	699·4	...	708·9	24·5	21·4	15·8	2·9	...	68	...	2·3	...	1	0	1	0	0	0	4	0	24
	1200	...	697·5	...	706·7	38·2	28·7	10·4	2·6	...	33	...	3·9	...	0	0	14	0	0	0	4	0	12
Jammu ×	0000																						
	0300																						
	1200																						
Kargil ×	0000																						
	0300																						
	1200																						
Gurez ×	0000																						
	0300																						
	1200																						
NORTH PUNJAB																							
Lahore	0000	702	988·7	...	1014·3	50·3	48·0	45·6	10·4	...	83	...	0·6	...	0	0	0	0	1	0	0	0	29
	0300	...	990·1	—1·2	1015·5	55·9	51·1	46·0	10·7	—0·1	70	+7	0·4	—0·7	0	2	1	1	0	0	0	0	26
	1200	...	988·1	...	1012·4	76·3	63·1	52·2	13·8	...	44	...	1·0	...	1	0	0	0	0	0	1	1	27
Sialkot	0000	830	983·4	...	1013·4	54·6	49·3	43·6	9·7	...	65	...	0·9	...	0	14	0	0	0	0	0	2	14
	0300	...	985·3	—1·8	1015·0	57·6	50·7	43·6	9·6	—1·4	58	—14	0·8	—0·1	1	3	0	0	0	0	0	1	25
	1200	...	983·0	...	1011·8	73·4	60·4	49·8	12·1	...	43	...	2·0	...	0	1	0	0	0	0	0	3	26
Jhelum	0000	765	986·7	...	1014·9	47·2	43·9	39·5	8·9	...	73	...	0·1	...	0	0	0	0	0	0	0	0	30
	0300	...	988·3	...	1016·2	53·1	46·8	40·0	8·5	...	57	...	0·9	...	0	3	2	5	0	0	0	1	19
	1200	...	985·5	...	1012·2	74·5	58·2	42·3	9·3	...	32	...	1·1	...	0	0	0	1	0	6	2	2	19
Rawalpindi	0000	1,676	955·0	...	896·7	46·7	42·8	38·0	7·8	...	72	...	*	...	0	0	0	0	1	0	1	0	28
	0300	...	957·0	—1·3	899·0	51·7	45·1	37·1	7·6	—0·8	59	—3	0·7	—0·5	0	1	0	0	0	0	0	0	29
	1200	...	954·9	...	899·2	70·4	55·6	41·7	9·1	...	35	...	0·7	...	0	0	0	0	0	4	3	1	22
Khushab	0000	616	991·4	...	1013·9	50·7	46·5	41·6	8·9	...	72	...	0·0	...	3	9	5	2	2	2	2	2	3
	0300	...	993·3	—1·8	1015·7	56·5	49·4	41·3	8·9	+0·6	58	+7	0·6	—0·5	1	6	5	2	4	3	1	1	7
	1200	...	991·0	...	1012·2	79·4	61·2	45·2	10·3	...	30	...	1·0	...	3	1	5	3	5	2	4	5	2
Lyallpur	0000	605	991·9	...	1014·0	51·6	48·7	46·5	10·4	...	79	...	0·4	...	1	1	1	3	1	2	4	0	17
	0300	...	993·5	—1·2	1015·5	54·2	49·5	45·5	10·0	—0·1	70	+8	0·6	—0·7	0	1	1	4	2	1	4	1	16
	1200	...	991·3	...	1012·3	78·2	60·8	44·0	10·3	...	31	...	1·1	...	1	1	0	1	3	2	3	1	18

× Data not available.

* Data Rejected.

TABLE II—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF NOVEMBER, 1952

Sub-Division and Station	Hours of Observation	Height of bar. cistern above mean sea level	Mean pressure: Stn. level reduced to standard temp. and gravity	Mean pressure: Departure from normal	Mean pressure: Reduced to standard temp. & M.S.L. or nearest GPKM level	Mean temperature of the air and humidity: Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Total Cloud amount: Mean amount	Departure from normal	Wind direction. Number of observations from :— N	NE	E	SE	S	SW	W	NW	Clam
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	GMT	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	Oktas										
SOUTH PUNJAB																							
Montgomery	0000	558	993·2	...	1013·5	51·9	48·5	44·9	10·1	...	75	...	0·1	...	0	0	0	1	1	10	2	5	11
	0300	...	995·0	—1·6	1015·0	60·0	54·1	48·6	11·7	+0·6	65	+1	0·4	—0·4	0	0	0	3	2	5	0	4	16
	1200	...	992·8	...	1012·1	79·5	67·5	59·4	17·6	...	51	...	0·4	...	0	0	0	0	0	1	0	1	28
Multan	0300	413	1000·1	—1·5	1014·9	61·9	54·0	45·7	10·7	—1·4	56	—6	0·4	—0·4	3	3	0	0	1	4	0	3	16
	1200	...	997·7	...	1011·9	81·1	63·9	50·3	12.5	...	35	...	0·5	...	2	2	1	0	1	1	1	1	21
Fort Abbas	0000	475	998·9	...	1016·3	51·8	46·8	40·2	8·7	...	66	...	0·2	...	3	7	2	5	3	6	0	1	3
	0300	...	999·1	...	1016·2	63·7	51·7	37·8	7·7	...	38	...	0·2	...	0	4	5	11	1	6	0	1	2
	1200	...	994·3	...	1010·7	84·7	65·0	49·2	12·3	...	31	...	0·0	...	0	0	4	0	0	20	4	2	0
Bahawalpur	0300	384	998·1	—4·2	1012·0	55·2	51·4	46·4	11·3	+0·5	74	+13	0·2	—0·7	0	3	2	3	2	2	0	1	17
	1200	...	998·5	...	1011·7	81·8	66·8	56·3	15·7	...	42	...	0·0	...	1	0	0	0	0	0	0	0	29
Khanpur	0300	297	1004·1	—1·2	1014·8	59·0	53·1	47·2	11·2	+1·5	65	+8	0·3	—0·3	7	4	0	0	3	4	0	0	12
	1200	...	1001·7	...	1011·9	82.4	63·1	51·5	11·0	...	28	...	0·3	...	2	2	0	0	0	2	5	1	18
NORTH-WEST FRONTIER PROVINCE (Upper)																							
Chakdara	0000	2,197	936·9	...	899·6	46·1	41·3	35·0	7·5	...	71	...	0·2	...	16	7	4	0	0	0	0	2	1
	0300	...	937·8	...	900·5	46·5	41·5	35·0	6·9	...	64	...	1·0	...	12	7	1	0	0	0	0	2	8
	1200	...	935·2	...	899·7	70·4	59·4	50·6	12·8	...	51	...	0·8	...	0	0	1	1	4	14	5	0	5
Peshawar	0000	1,175	973·2	...	1015·4	51·9	44·8	35·6	7·0	...	53	...	0·6	...	0	0	0	0	15	11	0	0	4
	0300	...	974·6	—1·6	1016·8	54·6	47.0	37·8	7·6	+0·4	53	0	1·1	—1·1	1	0	0	1	10	8	0	0	10
	1200	...	972·1	...	1012·8	71·3	58·4	46·4	10·9	...	41	...	2·0	...	0	3	3	6	1	0	1	0	16
Landikotal	0000	3,503	895·8	...	903·2	44·2	37·4	28·4	4·9	...	48	...	0·3	...	0	0	0	0	0	0	0	0	30
	0300	...	897·2	...	904·5	48·7	40·1	26·6	5·0	...	43	...	0·9	...	0	0	0	0	1	0	0	0	29
	1200	...	895·3	...	902·3	65·6	49·3	28·0	5·5	...	25	...	1·8	...	0	3	0	7	0	1	1	3	15
NORTH-WEST FRONTIER PROVINCE (Lower)																							
Bannu	0000	1,264	969·8	...	1015·1	53·7	47·5	38·7	8·4	...	60	...	0·1	...	1	0	0	0	0	0	14	8	7
	0300	...	971·3	...	1016·4	57·4	49·1	39·2	8·2	+0·1	52	0	0·8	—0·2	0	0	0	0	0	2	22	3	3
	1200	...	969.2	...	1012·8	73·4	62·0	49·8	13·9	...	50	...	1·7	...	1	1	3	8	4	1	1	0	11
Miranshah ... ... (R)	0000	3,026																					
	0300	...																					
	1200	...																					
D. I. Khan	0000	570	993·0	...	1013·8	51·9	47·8	42·7	9·5	...	73	...	0·1	...	1	5	0	0	0	1	2	0	21
	0300	...	994·8	—1·5	1015·6	51·0	46·7	41·7	9·0	—0·9	70	+4	0·3	—0·7	2	4	0	0	0	0	3	0	21
	1200	...	992·9	...	1012·6	78·5	64·0	53·2	13·9	...	41	...	0·5	...	1	2	0	1	0	0	0	0	26
BALUCHISTAN (North)																							
Fort Sandeman	0300(d)	4,614	863·7 (c)	+0·3	907·1 (c)	46·6 (c)	37·6 (c)	21·6 (c)	3.9 (c)	—0·2	37 (c)	—18	0·4 (c)	—0·6	0	0	0	0	0	0	0	0	27 (d)
	1200	...	860·4	...	9.1·5	68·6	48·4	17·2	3·4	...	15	...	0·8	...	0	0	0	0	0	0	0	0	27
Hindubagh	0000	5,909	822·0	...	802·1	42·0	33·8	20·6	3·8	...	43	...	0·3	...	0	0	0	0	0	6	10	9	5
	0300	...	823·4	...	803·5	45·6	36·6	23·2	4·2	...	41	...	0.5	...	0	0	0	0	0	7	6	8	9
	1200	...	821·1	...	801·9	61·5	44·8	22·0	4·3	...	23	...	1·4	...	0	0	2	2	1	11	7	6	1
Loralai	0000	4,699	857·6	...	903·8	41·8	37·6	31·2	6·2	...	68	...	0·2	...	0	0	0	0	0	2	21	0	7
	0300	...	859.2	...	904.9	45.4	39.3	31.6	5.7	...	56	...	1.1	...	0	0	0	0	3	5	15	2	5
	1200	...	857.5	...	901.4	65.2	55.0	45.9	10.7	...	51	...	1.1	...	1	0	0	5	8	1	3	0	12
Sibi	0000	441	997·5	...	1013·5	54·9	47·7	39·2	8·3	...	56	...	0·3	...	0	0	0	0	0	0	0	0	30
	0300	...	998·8	—1·0	1014·9	56·1	48·4	39·6	8·1	+1·7	54	+18	0·5	—0·7	1	0	1	0	0	0	0	2	26
	1200	...	995·8	...	1010·8	86·8	64·7	45·3	11·2	...	25	...	0·7	...	0	0	0	6	8	12	0	0	4
Quetta	0300	5,490	835·5	—2·0	802·8	45·0	38·9	31·2	5·9	+1·5	59	+4	0·6	—0·6	1	0	1	1	2	1	0	0	24
	1200	...	832·9	...	801·4	62·6	47·6	30·5	6·0	...	31	...	1·3	...	11	2	0	0	0	0	6	9	2
Quetta (Samungli)	0000	5,253	844·8	...	803·3	28·4	25·8	20·9	3·7	...	74	...	0·3	...	0	0	3	12	0	0	0	4	11
	0300	...	845·5	...	804·4	34·6	30·6	23·6	4·3	...	65	...	0·7	...	0	0	0	6	0	1	0	0	23
	1200	...	842·8	...	804·0	63·0	49·7	35·8	7·3	...	37	...	1·3	...	4	0	0	0	0	1	8	17	0

(b) Mean of 29 days only. (c) Mean of 28 days. (d) Mean of 27 days. (R) Register not received.

TABLE II—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF NOVEMBER, 1952

Sub-Division and Station	Hours of Observation	Height of barcistern above mean sea level	Mean pressure: Stn. level reduced to standard temp. and gravity	Mean pressure: Departure from normal	Mean pressure: Reduced to standard temp. & M.S.L. or nearest GPKM level	Mean temperature of the air and humidity: Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Total Cloud amount: Mean amount	Departure from normal	Wind direction. Number of observations from :— N	NE	E	SE	S	SW	W	NW	Calm
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	GMT	Ft.	Mb.	Mb.	Mb.	°F	°F	°F	Mb.	Mb.	%	%	Oktas										
BALUCHISTAN (North)—*contd.*																							
Chaman	0000	4,311	871·5	...	905·1	46·9	38·7	25·5	4·9	...	44	...	0·3	...	0	1	18	9	1	0	1	0	0
	0300	...	872·7	—0·7	906·1	48·9	40·0	26·3	4·8	—0·1	41	—1	0·1	—0·9	0	1	14	11	0	1	0	1	2
	1200	...	870·8	...	902·9	65·5	50·3	32·4	6·5	...	31	...	0·6	...	1	0	0	0	1	8	17	3	0
Nushki	(b) 0000	3,416	907·0	...	911·2	54·6	45·0	31·8	6·3	...	43	...	0·0	...	3	4	10	3	0	0	0	2	7
	0300	...	907·6	...	911·8	54·7	44·8	34·5	6·0	...	41	...	0·0	...	6	9	11	0	0	0	0	0	4
	1200	...	902·7	...	906·8	71·2	55·4	37·0	8·8	...	32	...	0·0	...	1	0	0	0	0	3	15	10	1
Kalat	0000	6,616	801·9	...	803·5	30·5	25·8	18·6	3·2	...	56	...	0·1	...	0	0	0	4	25	0	0	0	1
	0300	...	802·8	—0·5	804·3	34·1	28·3	19·3	3·1	—0·4	47	—1	0·2	—0·8	0	0	0	0	29	0	0	0	1
	1200	...	801·4	...	802·9	59·7	42·3	16·4	3·1	...	18	...	0·4	...	0	0	0	0	1	2	0	24	3
Dalbandin	0000	2,785	920·4	...	903·7	44·6	35·9	19·4	3·8	...	39	...	0·5	...	1	11	3	2	1	0	2	2	8
	0300	...	922·0	—0·4	904·9	44·1	35·5	19·1	3·7	—1·2	37	—10	1·0	0·0	1	10	3	0	0	0	2	0	14
	1200	...	919·2	...	903·2	73·7	51·6	21·5	4·4	...	15	...	0·7	...	0	4	8	2	3	5	0	1	7
Nokkundi	0000	2,229	938·1	...	902·4	52·5	41·8	24·8	4·9	...	37	...	(b) 0·0	...	11	3	0	1	0	0	1	11	(b) 2
	0300	...	939·7	...	904·1	53·9	42·5	24·7	4·7	—1·0	32	—10	0·6	—1·0	12	5	2	0	0	0	0	9	2
	1200	...	937·4	...	903·5	75·1	54·2	25·6	5·8	...	19	...	1·2	...	4	1	2	6	2	1	3	6	5
BALUCHISTAN (South)																							
Las Bela	0000	292	1003·6	...	1014·1	58·4	53·4	48·1	11·5	...	70	...	0·0	...	0	0	0	0	0	0	0	0	30
	0300	...	1005·1	—0·3	1015·5	67·2	57·1	46·3	11·4	—0·2	50	—1	0·2	—0·4	1	3	2	0	0	1	0	10	13
	1200	...	1001·3	...	1011·2	90·0	66·5	47·0	11·6	...	24	...	0·0	...	0	0	0	6	6	8	0	3	7
Ormora	0000	15	1012·1	...	1012·6	66·7	64·2	62·4	19·6	...	87	...	0·0	...	2	0	2	1	0	0	4	0	21
	0300	...	1013·8	...	1014·3	67·0	63·0	60·0	17·9	+0·1	79	+6	0·2	—1·0	0	0	6	6	0	0	2	0	16
	1200	...	1011·2	...	1011·7	81·7	74·3	70·3	25·8	...	69	...	0·0	...	0	0	1	3	6	2	17	0	1
Pasni	0000	10	1013·1	...	1013·4	63·2	59·2	55·1	15·3	...	78	...	0·7	...	6	1	0	0	0	2	7	7	7
	0300	...	1014·5	—1·0	1014·8	65·6	60·3	55·1	15·2	0·0	71	+2	0·4	—0·6	6	1	1	0	0	0	8	11	3
	1200	...	1011·8	...	1012·1	80·2	70·0	63·6	20·5	...	59	...	0·1	...	0	0	0	3	6	18	2	1	0
Turbat	0000	510	997·3	...	1015·7	59·8	51·6	41·5	9·2	...	54	...	0·0	...	0	19	0	10	0	0	0	0	1
	0300	...	998·4	...	1016·7	65·4	56·7	48·1	11·8	...	55	...	0·0	...	0	6	0	20	0	0	0	0	4
	1200	...	994·7	...	1012·1	89·3	69·7	56·0	16·4	...	34	...	0·0	...	0	7	0	4	0	6	0	13	0
Panjgur	0000	3,177	907·1	...	903·5	54·6	43·0	25·6	4·9	...	33	...	0·0	...	3	15	7	0	1	0	0	1	3
	0300	...	908·3	—0·4	904·6	49·7	39·6	22·6	4·4	—1·0	36	—13	0·0	—0·9	2	18	8	0	0	0	0	0	2
	1200	...	905·7	...	902·2	73·1	52·4	26·5	5·3	...	18	...	0·0	...	7	3	0	0	1	9	1	9	0
SIND (Upper)																							
Reti	0000	280	1004·1	...	1014·4	54·6	59·3	43·4	9·8	...	65	...	0·0	...	6	1	3	0	7	0	3	1	9
	0300	...	1005·7	...	1016·0	56·8	50·2	42·7	9·7	...	60	...	0·0	...	6	0	4	0	3	1	0	0	16
	1200	...	1002·8	...	1012·7	85·7	63·8	44·9	10·7	...	26	...	0·0	...	8	0	0	0	3	0	9	1	9
Jacobabad	0000	183	1006·4	...	1012·7	58·1	50·3	41·5	8·7	...	53	...	0·2	...	4	2	3	5	2	0	0	2	12
	0300	...	1008·2	—1·4	1014·9	61·9	51·9	40·9	8·8	—2·4	46	—12	0·8	+0·1	1	1	3	3	1	3	1	6	11
	1200	...	1005·3	...	1011·7	84·7	61·5	38·6	8·2	...	21	...	0·7	...	2	2	0	8	3	3	4	6	2
Sukkur	0300	221	1006·4	—1·7	1014·4	60·3	55·6	48·1	13·0	+0·9	73	+15	0·8	+0·2	0	9	3	11	2	0	0	0	5
	1200	...	1003·9	...	1011·5	84·7	64·7	48·8	12·1	...	29	...	0·6	...	4	6	2	3	1	9	1	2	2
Pad Idan	0000	153	1007·2	...	1012·8	55·1	51·3	47·2	11·0	...	74	...	0·0	...	11	0	0	0	1	0	0	4	14
	0300	...	1008·9	...	1014·4	58·0	52·3	46·5	10·7	...	64	...	0·3	...	3	5	1	2	0	0	0	4	15
	1200	...	1006·4	...	1011·6	85·0	63·5	44·8	10·3	...	25	...	0·2	...	9	0	0	0	2	2	0	6	11

TABLE II—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF NOVEMBER, 1952

Sub-Division and Station	Hours of Observation	Height of bar cistern above mean sea level	Mean pressure: Stn. level reduced to standard temp. and gravity	Mean pressure: Departure from normal	Mean pressure: Reduced to standard temp. & M.S.L. or nearest GPKM level	Mean temperature of the air and humidity: Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Total Cloud amount: Mean amount	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										
SIND (Lower)																							
Umarkot	0000	55	1010·7	...	1012·6	59·4	55·4	52·0	13·0	...	76	...	0·5	...	0	2	1	0	1	0	0	0	26
	0300	...	1011·9	...	1013·9	62·5	59·0	54·4	15·2	...	80	...	0·5	...	2	2	1	0	1	3	0	0	21
	1200	...	1008·8	...	1010·7	87·0	69·1	57·7	16·1	...	37	...	0·1	...	2	0	0	0	0	1	1	6	20
Chhor	0000	19	1011·6	...	1012·3	54·6	51·9	49·0	12·1	...	82	...	0·0	...	0	0	0	1	1	1	0	0	27
	0300	...	1013·3	...	1014·0	61·0	56·2	51·5	13·4	...	72	...	0·2	...	1	1	2	0	1	1	1	0	23
	1200	...	1010·2	...	1010·9	86·5	70·3	59·5	18·7	...	41	...	0·5	...	3	2	0	0	1	4	8	1	11
Hyderabad	0000	96	1008·9	...	1012·3	62·3	57·8	53·5	14·1	...	74	...	0·2	...	4	2	0	0	1	7	0	0	16
	0300	...	1010·5	—1·8	1014·0	63·4	57·9	52·7	14·0	+2·0	69	+14	0·1	—0·8	7	2	0	1	0	8	0	0	12
	1200	...	1008·3	...	1011·6	86·6	65·2	48·4	11·4	...	26	...	0·2	...	1	15	0	0	0	8	0	1	5
Karachi (Airport)	0000	73	1010·1	...	1012·8	62·1	59·0	56·0	15·7	...	83	...	0·0	...	9	3	0	0	0	0	2	0	16
	0300	...	1011·9	...	1014·6	64·0	59·7	56·0	15·3	...	75	...	0·4	...	2	2	1	0	0	0	0	0	25
	1200	...	1009·1	...	1011·7	82·7	71·2	64·4	21·1	...	55	...	0·2	...	0	0	0	0	2	19	7	1	1
Karachi (Manora)	0000	13	1012·2	...	1012·7	69·1	65·1	61·9	19·3	...	80	...	0·3	...	0	2	0	0	0	0	1	1	26
	0300	...	1013·7	—1·5	1014·2	70·0	65·7	62·2	19·4	+3·4	78	+12	0·4	—0·8	2	5	0	0	0	0	0	1	22
	1200	...	1011·2	...	1011·7	79·6	72·3	67·6	23·9	...	68	...	0·3	...	0	0	0	0	0	11	17	2	0
Badin	0000	31	1012·5	...	1013·6	*	*	*	*	...	*	...	0·2	...	1	1	0	0	0	7	0	2	19
	0300	...	1013·9	+0·1	1014·8	65·2	60·7	57·0	16·0	+2·2	76	+16	0·7	—0·3	2	0	0	0	0	4	0	6	18
	1200	...	1010·4	...	1011·5	88·2	69·0	55·0	15·6	...	34	...	0·0	...	0	0	0	0	0	9	0	4	17
HILL STATIONS (Excluding Kashmir and Baluchistan)																							
Murree	0000	7,113	784·7	...	800·9	44·4	35·8	21·3	4·1	...	42	...	0·7	...	0	1	1	6	0	1	0	21	0
	0300	...	786·2	—1·3	802·3	47·2	37·6	22·3	4·3	—0·2	39	—1	1·5	—0·1	1	4	4	5	2	1	2	5	6
	1200	...	785·3	...	801·3	50·4	41·1	28·9	5·5	...	44	...	2·1	...	0	2	2	4	1	0	8	9	4
Cherat	0000	4,272	871·1	...	902·9	53·2	43·1	28·5	5·5	...	40	...	0·3	...	1	1	2	1	6	1	0	10	8
	0300	...	872·3	—1·2	904·1	54·6	43·9	29·4	5·5	—0·2	39	—5	0·8	—0·6	13	1	0	0	2	1	0	9	4
	1200	...	871·3	...	902·7	62·1	47·9	30·0	5·7	...	31	...	1·4	...	4	1	0	2	12	1	0	8	2
Drosh	0000	4,806	856·8	...	905·7	48·7	38·9	21·5	4·2	...	35	...	1·5	...	0	0	3	1	0	1	0	0	25
	0300	...	858·4	—0·8	907·6	46·8	37·5	20·3	4·0	—1·1	35	—18	3·0	+1·3	0	0	0	2	0	0	0	0	28
	1200	...	854·1	...	901·7	60·9	45·2	19·8	4·0	...	23	...	3·2	...	0	0	3	8	2	8	3	0	6
Parachinar (R)	0000	5,673																					
	0300	...																					
	1200	...																					
Wana	0300	4,503	863·6	...	903·5	43·9	35·5	19·6	3·7	—0·5	37	—16	1·0	+0·2	0	0	0	4	1	1	0	0	24
	1200	...	861·0	...	899·2	62·7	46·0	18·8	3·9	...	21	...	1·2	...	0	0	0	16	1	3	0	0	10
AFGHANISTAN																							
Jalalabad	0300	1,950	946·1	...	899·2	55·2	46·6	36·5	7·4	...	50	...	0·7	...	0	0	1	0	0	1	3	0	25
	1200	...	942·3	...	897·3	73·9	60·2	49·4	12·2	...	42	...	1·1	...	0	0	3	1	1	1	0	0	24
Kabul	0300	5,955	823·7	...	804·9	38·6	32·3	22·1	4·0	+0·4	49	—8	2·0	0·0	7	1	1	1	6	6	4	4	0
	1200	...	821·3	...	803·2	59·1	45·0	28·1	5·2	...	31	...	2·9	...	9	7	3	3	2	0	1	1	4
Kandahar	0300	3,462	897·6	...	903·7	35·8	33·2	28·7	5·4	...	76	...	0·3	...	0	0	0	0	0	0	0	0	30
	1200	...	895·4	...	901·3	64·8	52·4	40·1	8·5	...	40	...	0·8	...	0	0	0	0	0	2	0	0	28
IRAN																							
Jask	0300	13	1013·8	...	1014·3	71·5	65·2	61·2	18·1	...	69	...	1·2	—0·2	8	13	3	0	0	0	0	1	5
	1200	...	1012·8	...	1013·2	81·7	71·5	65·5	22·3	...	60	...	1·0	...	2	2	1	1	4	8	10	1	1
ARABIA																							
Muscat	0300	20	1014·3	...	1014·8	76·3	69·2	65·2	21·1	...	69	...	0·5	—0·8	0	0	1	1	0	2	9	6	11
	1200	...	1012·6	...	1013·1	79·9	71·8	67·6	23·2	...	66	...	0·7	...	2	7	2	0	1	0	0	17	1
Kuwait†	0600	16	1018·2	...	1018·8	68·2	58·9	51·7	12·5	...	53	...	1·5	...	7	1	1	1	0	0	5	12	3
	1200	...	1015·3	...	1015·9	73·1	62·4	54·1	14·6	...	53	...	1·3	...	5	2	6	1	0	0	2	8	6

(R) Register not received. † Observations recorded at 0600 hrs. G.M.T. instead of 0300 hs. G.M.T. * Data rejected.

TABLE III—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF NOVEMBER, 1952

Sub-Division and Station	Maximum temperature of the air °F				Minimum temperature of the air °F				Precipitation (Inches)						Wind velocity (Knots)		Weather Number of days				
	Mean	Departure from normal	Highest	Date	Mean	Departure from normal	Lowest	Date	Total of the month	Departure from normal	Heaviest fall in 24 hours	Date	Days with 0·10" or more	Departure from normal	Mean	Departure from normal	Thunder heard	Hail	Visibility Code Figure 93 or less: Fog	Haze (dust)	Dust storm
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
EAST PAKISTAN (North)																					
Pabna	85·6	+0·1	94	2	66·1	+3·0	51	29	0·26	—0·44	0·26	10	1	0·0	×	...	0	0	0	0	0
Rajshahi ...	...	...	...	...	...	...	...	...	0·20	—0·33	0·20	3	1	+0·2	...	...	0	0	0	0	0
Sirajganj ...	78·0	...	88	1	59·7	...	46	27, 28	0·49	—0·20	0·22	11	3	+2·2	*	...	0	0	1	0	0
Bogra	83·8	+1·4	91	1	66·2	+3·4	56	26	2·03	+2·16	1·96	3	3	+2·2	1·5	+0·6	2	0	1	0	0
Dinajpur ...	83·0	+0·5	91	2	62·4	+1·4	52	28	0·70	+0·26	0·70	3	1	+0·4	1·3	+0·2	0	0	3	0	0
Rangpur ...	...	...	...	...	...	...	...	...	0·24	—0·16	0·16	4	1	+0·5	...	...	0	0	0	0	0
EAST PAKISTAN (East)																					
Cox's Bazar ...	85·1	+0·7	92	1,3,4	67·5	+0·4	56	27,28,29	5·97	+2·71	3·51	10	4	+0·9	1·8	+0·7	0	0	0	0	0
Chittagong ...	83·3	—0·3	89	4 days	66·2	+0·7	55	29	4·72	+2·55	1·97	10	6	+4·0	3·1	0·0	1	0	0	0	0
Noakhali(Maijdee)	83·0†	—0·3	90	1, 2, 3	68·0†	+0·7	57	28, 29	4·18	+2·65	1·65	4	6	+4·1	*		0	0	0	0	0
Brahmanbaria ...	84·1	—1·1	91	2	68·1	+2·5	59	29, 30	3·95	+2·91	3·57	3	3	+1·5	1·9	...	0	0	1	0	0
Comilla	81·7	—2·3	89	1	67·4	+3·3	57	29	5·32	+4·03	2·50	4	5	+3·4	1·4	+0·3	0	0	1	0	0
Narayanganj ...	85·6	+1·7	94	1, 2	68·9	+2·8	60	28,29,30	1·97	+1·02	0·90	4	5	+3·7	1·6	+0·5	0	0	3	0	0
Srimangal ...	82·9	—2·6	91	2	61·8	+2·2	50	28, 30	2·87	+1·46	1·10	2	6	+4·3	1·5	+0·3	3	0	4	0	0
Mymensingh ...	83·9	+1·0	92	1	71·0	+6·5	63	29,30	2·22	+1·34	1·23	12	3	+2·0	1·9	+1·3	0	0	0	0	0
EAST PAKISTAN (Deltaic)																					
Faridpur ...	83·4	+1·1	93	2	66·6	+2·6	56	29	0·83	—0·27	0·23	10	4	+2·6	*	...	0	0	0	0	0
Barisal	84·0‡	+0·8	91	1, 2	69·0	+3·4	60	29, 30	2·65	+1·11	1·66	11	4	+2·3	1·8	+0·7	0	0	3	0	0
Khulna	85·1	+1·6	92	2	*	...	*	*	0·59	—0·53	0·59	11	1	—0·8	1·7	+0·1	0	0	8	0	0
Jessore	85·7	+1·5	95	3	63·7	+2·9	51	28	0·40	—0·55	0.40	11	1	—0·1	1·7	+0·7	0	0	0	0	0
Satkhira	83·1	—2·1	89	2, 3	66·3	+3·1	53	29	0·37	—0·37	0·37	11	1	—0·2	1·2	+0·3	0	0	1	0	0
KASHMIR																					
Srinagar× ...																					
Gulmarg× ...																					
Dras×																					
Leh×																					
Skardu× ...																					
Gilgit×																					
Misgar	45·5	...	60	2	21·8	...	11	27	0·00	...	0·00	...	0	...	3·4	...	0	0	0	0	0
Jammu× ...																					
Kargil×																					
Gurez×																					
NORTH PUNJAB																					
Lahore	84·2	+1·3	92	1	48·5	+1·2	42	28	0·03	—0·07	0·03	12	0	—0·3	1·5 (g)	+0·3	1	0	0	0	0
Sialkot	82·4	+1·8	92	1	52·1	+3·0	42	28	0·00	—0·17	0·00	...	0	—0·4	1·0	+0·4	0	0	0	0	1
Jhelum	84·6	...	92	2, 3	45·1	...	39	27, 28	0·00	...	0·00	...	0	...	1·2	...	0	0	0	0	0
Rawalpindi ...	82·4	+4·7	90	3	44·5	+0·1	36	28	0·00	—0·28	0·00	..	0	—0·5	1·2	+0·1	1	0	0	0	0
Khushab ...	84·4	+1·6	91	2	49·6	—0·2	41	28	0·00	—0·08	0·00	...	0	—0·2	2·3	+0·3	0	0	0	0	0
Lyallpur	85·0	+3·0	91	1	51·1	+2·0	45	27, 30	0·00	—0·11	0·00	...	0	—0·2	1·6	+0·5	1	0	0	0	0
SOUTH PUNJAB																					
Montgomery ...	85·9	+2·5	95	1	50·8	—0·8	45	29	0·16	+0·11	0·16	12	1	+0·8	0·9	—0·8	0	0	0	0	0
Multan	85·9	+3·0	93	1	53·2	+2·3	44	29	0·00	—0·06	0·00	...	0	—0·1	0·7	—0·2	0	0	0	0	0
Port Abbas ...	88·0	...	93	1, 5	49·7	...	43	28, 29	0·00	...	0·00	...	0	...	2·0 (g)	...	0	0	0	0	0
Bahawalpur ...	87·3	+1·9	94	1	51·8	+1·2	45	29	0·00	—0·01	0·00	...	0	0·0	1·2	—0·1	0	0	0	0	0
Khanpur ...	87·5	+0·5	93	3	53·2	+1·8	44	28	0·00	—0·12	0·00	...	0	—0·1	1·9	—0·9	1	0	0	0	0
N.-W.F.P (Upper)																					
Chakdara ...	77·2	...	86	2	42·5	...	35	28	0·00	...	0·00	...	0	...	4·7	...	0	0	0	0	1
Peshawar ...	78·6	+1·8	89	2	49·2(b)	+0·3	44	27, 28, 29	0·00	—0·31	0·00	...	0	—0·6	1·8	+0·9	0	0	0	0	1
Landikotal ...	69·8	...	79	1, 3	41·0	...	34	26, 28	0·00	...	0·00	...	0	...	1·6	...	0	0	0	0	1

* Data rejected.

(×) Data not available.

(‡) Extrapolated from Barisal.

(g) Mean for 24 days.

(†) Extrapolated from Noakhali.

(b) Mean for 29 days.

TABLE III—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF NOVEMBER, 1952

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)	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
N.-W.F.P. (Lower)																					
Bannu	79·9	—0·3	88	1, 2	51·1	+1·2	45	27	0·03	—0·13	0·03	11	0	—0·2	2·8	...	0	0	0	0	1
Miranshah(R) ..																					
D. I. Khan ...	*	*	*	*	49·3	+0·6	43	28, 29, 30	0·00	—0·15	0·00	...	0	—0.3	1·1	+0·6	0	0	0	0	0
BALUCHISTAN (North)																					
Fort Sandeman ...	73·4(d)	+2·0	84	5	40·8 (e)	—0·3	34	6,28,29	0·00	—0·13	0·00	...	0	—0·2	0·0	—1·1	0	0	0	0	0
Hindubagh ...	69·4	...	79	1	38·0	...	27	28	×	...	...	...	...	...	6·4	...	0	0	0	0	0
Loralai ...	71·6	...	79	2, 3	39·0	...	28	30	0·00	—0·16	0·00	...	0	—0·5	3·8	...	0	0	0	0	0
Harnai	...	...	...	...	...	...	...	...	0·00	—0·18	0·00	...	0	—0·3	...	...	...	...	...	...	...
Sibi	88·6	+2·2	95	1, 2	52·4	—0·7	45	27, 28, 30	0·00	—0·02	0·00	...	0	—0·1	0·7	—1·0	0	0	0	0	0
Quetta	65·9	...	73	6	30·4	...	21	27	0·03	...	0·03	29	0	...	3·5	+2·0	0	0	1	0	0
Quetta (Samangli)	66·2	...	73	2	26·1	...	16	27	0·00	...	0·00	...	0	...	3·0	...	0	0	0	0	0
Chaman	69·6	+2·0	78	1	43·5	+0·1	36	25, 26	0·15	—0·08	0·15	29	1	+0·3	4·1	+0·6	0	0	0	0	1
Nushki	74·4	...	85	6	50·5	...	40	17, 26	0·00	...	0·00	...	0	...	6·9	...	0	0	0	0	1
Kalat	64·2	+0·5	74	3	29·1	—1·5	21	25, 26	0·00	—0·23	0·00	...	0	—0·8	4·4	+1·0	0	0	0	0	0
Dalbandin ...	76·4	+0·1	88	2	38·0	—2·5	32	18	0·00	—0·06	0·00	...	0	—0·2	4·1	+1·7	0	0	0	5	0
Nokkundi ...	79·7	—0·3	90	7	49·1	—0·6	42	12	0·00	—0·03	0·00	...	0	—0·1	4·5	0·0	0	0	0	0	0
BALUCHISTAN (South)																					
Las Bela ...	94·5	+1·6	99	1	×	...	...	...	0·00	0·00	0·00	...	0	0·0	1·5	—0·1	0	0	0	1	0
Ormara	84·5	—1·2	89	11, 12	62·7	—1·1	52	27	0·00	0·00	0·00	...	0	0·0	5·0	+1·0	0	0	0	0	0
Pasni	84·7	—0·7	89	5 days	60·1	—0·4	54	22	0·00	—0·14	0·00	...	0	0·0	6.1	+1·8	0	0	2	0	0
Turbat ...	91·7	...	101	2	58·9	...	51	22	0·00	...	0·00	...	0	...	5·4	...	0	0	0	0	0
Panjgur ...	75·7	—0·2	84	5, 6, 8	45·0	—0·6	34	27, 28	0·00	—0·05	0·00	...	0	—0·2	4·1	+0·2	0	0	0	0	0
SIND (Upper)																					
Reti	88·8	...	94	2, 4	50·6	...	41	28, 29	0·00	...	0·00	...	0	...	3·1	...	0	0	0	0	0
Jacobabad ...	87·9	+2·0	93	2	55·5	+1·0	47	27	0·00	—0·05	0·00	...	0	—0·1	2·4	+0·2	0	0	0	0	0
Sukkur	89·4	+3·2	96	2	56·1	—2·0	50	27	0·00	0·00	0·00	...	0	0·0	1·3	—1·0	0	0	0	0	0
Pad Idan ...	84·4	...	95	2, 3	51·9	...	45	23, 27	0·00	...	0·00	...	0	...	2·2	...	0	0	0	0	0
SIND (Lower)																					
Umar Kot ...	91·5	...	96	5 days	57·0	...	47	28	0·00	...	0·00	...	0	...	1·8	...	0	0	2	0	0
Chhor	90·3	...	95	9	52·8	...	44	28	0·00	...	0·00	...	0	...	1·1	...	0	0	5	0	0
Hyderabad ...	90·6	+1·8	97	2	60·5	+1·7	56	18, 28	0·00	—0·06	0·00	...	0	—0·1	2·0	—1·1	0	0	2	0	0
Karachi (Airport).	88·8	...	95	9	59·5	...	55	5 days	0·00	...	0·00	...	0	...	3·4	...	0	0	10	0	0
Karachi (Manora)	83·8	—1·4	92	15	67·6	+0·7	64	28, 29	0·00	—0·08	0·00	...	0	—0·3	3·6	—1·0	0	0	2	0	0
Badin	92·4	+2·2	95	5 days	60·3	+0·4	51	11 days	0·00	—0·18	0·00	...	0	—0·4	1·6	...	0	0	5	0	0
HILL STATION (excluding Kashmir and Baluchistan)																					
Murree	60·5	+1·0	68	2	42·2	+1·2	35	11,25,26	0·16	—0·57	0·16	11	1	—0·2	4·2	+0·9	2	0	0	0	0
Cherat	68·1	+2·7	77	1, 3	49·9	+0·2	42	29	0·00	—0·37	0·00	...	0	—0·6	5·6	—0·5	0	0	0	0	0
Drosh	67·8	+3·7	81	1, 3	45·0	+1·4	38	27	0·00	—0·34	0·00	...	0	—1·2	2·2	+0·6	0	0	0	0	0
Parachinar(R) ...																					
Wana	71·3	+1·2	82	1	35·1	—0·4	27	28	0·00	—0·07	0·00	...	0	—0·2	2·3	...	0	0	0	0	0
AFGHANISTAN																					
Jalalabad ...	77·0	...	89	2	43·4	...	36	28	0·00	...	0·00	...	0	...	2·0	...	0	0	0	0	0
Kabul	63·8	+2·7	74	2	33·0	+0·7	25	28	0·00	—0·60	0·00	...	0	—1·5	3·3	+1·5	0	0	0	0	0
Kandahar ...	72·2	...	82	6	33·5	...	27	4 days	0·02	...	0·02	29	0	...	0·5	...	0	0	0	0	0
IRAN																					
Jask	84·2	0·0	91	3	67·8	—0·8	63	15	1·25	+1·01	0·63	15	2	+1·5	5·2	—0·5	0	0	0	0	0
ARABIA																					
Muscat	82·3	—2·0	88	12	74·0	+0·2	69	16	0·00	—0·39	0·00	...	0	—0·7	3·7	+1·0	0	0	0	0	0
Kuwait† ...	75·9	...	88	1, 4, 8	63·1	...	55	18, 30	0·09	...	0·08	17	0	...	×	...	0	0	0	0	0

(*) Data rejected. (R) Register not received. (×) Data not available. (d) Mean of 27 days. (e) Mean of 26 days.

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

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PAKISTAN WEATHER REVIEW 1952

MONTHLY WEATHER REPORT

DECEMBER

PUBLISHED BY THE AUTHORITY OF THE GOVERNMENT OF PAKISTAN

Chief Features.—(1) Of the nine western disturbances which affected West Pakistan only three were active and caused moderate spells of rain.

WEST PAKISTAN

Of the nine western disturbances which crossed into West Pakistan during the month the first appeared over Baluchistan and the adjoining North-West Frontier Province on the 3rd and filled up over there by the 5th evening causing only cloudy weather. The second western disturbance moved across the North-West Frontier Province and Kashmir on the 6th and 7th, and caused only cloudy weather.

The next also moved away eastwards across the extreme north of the country on the 12th giving cloudy weather over there. The fourth western disturbance appeared over the North-West Frontier Province and induced a secondary over Baluchistan on the 15th. The secondary which moved over the south Punjab and filled up there by the 19th, caused light to moderate rain over Baluchistan between the 16th and 18th. The primary caused a light spell of wet weather over the North-West Frontier Province and a few snowfalls in the north Punjab hills between the 16th and 17th, as it passed across the north Punjab and Kashmir.

The next western disturbance moved across the North-West Frontier Province and Kashmir between the 17th and 19th, causing active local to fairly widespread rain over the North-West Frontier Province and the North Punjab and a few snowfalls over the hills on the 18th and 19th.

A few snowfalls were reported from the upper North-West Frontier Province in association with the sixth western disturbance which moved from north Baluchistan to the North-West Frontier Province and Kashmir by the 20th.

The next western disturbance moved from Baluchistan to the Norther-West Frontier Province and the north Punjab and moved away across Kashmir between the 24th and 26th, causing only a light spell of wet weather over north Baluchistan on the 25th and a few snowfalls over the north Punjab hills on the 26th.

The eighth western disturbance moved from Baluchistan to the North-West Frontier Province and moved away across Kashmir between the 28th and 30th, causing a light spell of wet weather over north Baluchistan and the upper North-West Frontier Province on the 29th and in the north Punjab on the 30th.

The last western disturbance appeared over Baluchistan on the 30th and moved to the North-West Frontier Province and the adjoining areas, the next day. It caused fairly widespread rain over Baluchistan, Sind and the North-West Frontier Province and scattered rain over the north Punjab on the 31st.

The mean actual rainfall was normal in upper Sind and the lower North-West Frontier Province, in slight defect in north Baluchistan and lower Sind, in moderate defect in the upper North-West Frontier Province and south Baluchistan and in large defect in the Punjab. Averaged over the region as a whole, excluding Baluchistan it was in large defect.

The mean maximum and Minimum temperatures were normal in the region except that the mean minimum temperature was in defect over Baluchistan. The mean relative humidity; was normal over the region outside Sind and the south Punjab where it was in defect.

Skies were more clouded than usual in Sind and the lower North-West Frontier Province, less clouded than usual in Baluchistan and as usual elsewhere in the region.

EAST PAKISTAN

Weather remained dry.

The mean maximum and minimum temperatures and the mean relative humidity, were all normal over the region. Skies were clouded as usual in the Deltaic sub-division and less than usual elsewhere in the region.

Table I contains the Divisional and Sub-Divisional means of rainfall, temperature, humidity and cloud for the 5 Chief Divisions and 12 Sub-Divisions of Pakistan. These means are based on the observation at the Stations whose monthly means are given in the subsequent tables.

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Table I.—Divisional and sub-divisional means December 1952

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
	"	"	"		°	°	mb	%	
East Pakistan	0.00	0.24	—0.24	—100	+0.4	+0.2	+0.1	—1	—0.7
Mean of East Pakistan	0.00	0.24	—0.24	—100	+0.4	+0.2	+0.1	—1	—0.7
Punjab..	0.03	0.47	—0.44	—94	+1.3	0.0	—0.5	—3	+0.2
N.-W. F. P.	0.37	0.44	—0.07	—16	—0.7	+0.2	0.0	+1	+0.3
Baluchistan	0.47	0.65	—0.18	—28	+1.3	—2.5	—1.3	—3	—0.7
Sind	0.11	0.16	—0.05	—31	+0.9	0.0	—0.7	—8	+0.6
Mean of West Pakistan excluding Baluchistan	0.11	0.36	—0.25	—69	+0.8	0.0	—0.5	—4	+0.3
Sub-Division									
East Pakistan (North)	0.00	0.10	—0.10	—100	+1.2	+0.5	+0.6	—5	—0.7
East Pakistan (East)	0.00	0.38	—0.38	—100	—0.1	+0.1	+0.1	—2	—1.0
East Pakistan (Deltaic)	0.00	0.19	—0.19	—100	+0.6	+0.4	+0.1	+1	—0.2
Kashmir*	...	...	...	...	...	...	...	...	...
North Punjab	0.02	0.62	—0.60	—97	+1.3	—0.2	—0.5	—1	+0·1
South Punjab	0.03	0.21	—0.18	—86	+1.2	+0.2	—0.7	—6	+0.3
N.-W. F. P. (Upper)	0.43	0.67	—0.24	—36	+1.4	0.0	+0.4	+3	—0.2
N.-W F. P. (lower)	0.33	0.32	+0.01	+3	—1.7	+0.3	—0.3	+1	+0.5
Baluchistan(North)	0.52	0.65	—0.13	—20	+1.1	—2.1	—1.1	—3	—0.6
Baluchistan (South)	0.40	0.65	—0.25	—38	+1.5	—3.3	—1.5	—3	—0.9
Sind (Upper)	0.11	0.10	+0.01	+10	+1.1	—0.9	—1.5	—9	+0.9
Sind (Lower)	0.13	0.17	—0.04	—23	+0.6	+0.9	+0.1	—6	+0.3

*Data incomplete.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF DECEMBER 1952

Sub-Division and Station	Hours of Observation	Height of bar. cistern above mean sea level	Mean pressure: St. level reduced to standard temp. and gravity	Mean pressure: Departure from normal	Mean pressure: Reduced to Standard M.S.L. or nearest GPKM level	Mean temperature of the air and humidity: Dry bulb	Mean temperature of the air and humidity: Wet point	Mean temperature of the air and humidity: Dew point	Mean temperature of the air and humidity: Vapour Pressure	Mean temperature of the air and humidity: Departure from normal	Mean temperature of the air and humidity: Relative humidity	Mean temperature of the air and humidity: Departure from normal	Total Cloud amount: Mean amount	Total Cloud amount: Departure from normal	Wind direction Number of observation from :— N	NE	E	SE	S	SW	W	NW	Calm
1	2	3	4	5	5a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	GMT	Ft	Mbs	Mbs	Mbs	°F	°F	°F	Mbs	%	%			Octas									
EAST PAKISTAN (North)																							
Pabna	0300					68.2	61.8	57.0	15.7	—0.5	67	—9											
Sirajganj	0000	49	1013.2		1015.0	57.7	56.6	55.5	15.4		94		1.5		1	0	0	0	0	0	1	14	15
	0300		1016.2		1018.0	66.7	63.3	60.5	18.4		81		0.5		1	3	0	0	0	0	0	11	16
	1200		1014.0		1015.8	69.2	65.9	63.7	19.9		82		0.2		0	0	0	0	0	0	0	0	31
Bogra	0000×	65	1014.4		1016.8	56.6	54.7	53.0	13.9		87		0.2		0	0	0	0	0	0	0	0	31
	0300	63	1016.7	+1.3	1019.0	65.3	61.0	57.8	16.0	+0.7	76	0	0.7	—0.4	15	6	0	0	0	0	3	3	4
	1200		1012.9		1015.1	73.5	64.5	58.5	16.3		59		1.5		1	0	0	0	0	0	6	1	23
Dinajpur	0000	123	1013.1		1017.6	52.7	51.6	50.5	12.8		93		0.0		0	0	0	0	0	0	0	0	31
	0300		1015.0	+1.7	1019.4	64.6	60.0	56.1	16.0	+1.5	76	—5	0.0	—1.0	0	0	0	0	0	0	0	0	31
	1200		1011.9		1016.3	69.2	61.9	57.0	15.3		63		0·0		0	0	0	0	0	0	0	0	31
EAST PAKISTAN (East)																							
Cox's Bazar	0000×	10	1015.2		1015.5	60.1	59.4	58.8	17.1		97		0.6		0	19	12	0	0	0	0	0	0
	0300	38	1016.7	+2.0	1018.0	68.7	63.3	59.7	17.5	—1.5	73	—5	0.5	—1.2	0	0	0	0	0	0	0	3	28
	1200		1013.5		1014.8	72.2	65.3	60.7	17.9		67		0.3		0	0	0	0	0	0	0	2	29
Chittagong	0300	87	1015.3	+1.6	1018.4	68.1	63.1	59.6	17.4	—0.5	74	—8	0.3	—1.3	5	15	7	0	0	0	0	0	4
	1200		1012.0		1015.1	71.6	64.6	59.7	17.9		67		0.1		9	1	0	0	0	0	3	15	3
Noakhali (Maijdee)	0000	25	1015.3		1016.1	57.5	56.3	55.1	14.9		94		0.0		0	0	0	0	0	0	0	0	(d) 27
	0300		1017.0	+0.9	1017.8	66.5	62.7	59.9	17.9	0.0	79	—2	0.0	—1.3	0	0	0	0	0	0	0	0	(a) 30
	1200		1013.7		1014.5	70.4	65.1	61.4	18.2		73		0.0		0	0	0	0	0	0	0	0	31
Brahmanbaria	0000	32	1016.0		1017.1	51.9	58.2	57.6	16.5		97		0.4		1	0	0	1	0	0	0	0	29
	0300		1017.7		1018.8	70.3	64.3	60.3	17.7	+0.7	70	—1	0.2		2	0	1	0	1	2	0	0	25
	1200		1013.9		1015.0	74.1	66.8	62.2	18.8		65		0.1		0	0	0	0	0	0	0	0	31
Comilla	0000	29	1015.6		1016.6	57.5	57.0	56.5	15.4		97		1.1		0	0	0	0	0	0	0	0	31
	0300		1017.2	+1.1	1018.2	66.3	62.8	60.3	17.7	+0.2	81	+4	0.5	—0·5	3	0	0	1	0	0	0	0	27
	1200		1014.1		1015.1	71.7	65.7	61.8	19.1		71		0.7		1	1	0	1	0	0	0	0	28
Narayanganj	0000	26	1016.4		1017.3	(f) 59.2	(f) 58.1	(f) 57.2	(f) 16.0		(f) 94		0.5		1	0	0	0	0	0	0	0	30
	0300		1018.0	+1.7	1018.9	(f) 68.4	(f) 63.2	(f) 59.6	(f) 17.4	+0.8	(f) 74	—4	0.6	—0.9	9	2	5	1	1	0	0	3	10
	1200		1014.7		1015.6	(j) 71.8	(j) 64.4	(j) 59.4	(j) 17.3		(j) 65		0.9		0	0	0	0	0	0	3	2	26
Srimangal	0000	69	1014.5		1017.1	50.2	49.7	48.6	11.8		96		0.6		0	0	0	0	0	0	0	0	31
	0300		1016.3	+1.6	1018.8	63.1	61.3	60.0	17.4	+1.9	89	+5	0.8	—0.5	0	1	1	0	1	1	1	0	26
	1200		1013.0		1015.5	64.1	63.0	62.0	19.2		94		0.4		0	0	0	0	0	0	0	0	31
Mymensingh	0000	62	1015.7		1017.9	58.9	57.2	56.0	15.5		91		0.0		0	0	1	0	0	0	0	0	30
	0300		1017.2	+1.8	1019.4	62.5	58.7	56.5	15.3	—1.1	78	—5	0.0	—1.5	0	0	7	0	0	0	0	0	24
	1200		1014.2		1016.4	64.9	56.2	55.2	11.8		56		0.0		0	0	0	0	0	0	0	0	31
EAST PAKISTAN (Deltaic)																							
Faridpur	0000	46	1014.9		1016.5	55.3	54.7	53.7	14.3		97		0.5		1	0	0	0	0	0	0	0	30
	0300		1016.1	+0.5	1017.7	66.4	62.1	59.1	16.6	+0.2	76	—4	0.5	—0.5	14	1	0	0	0	0	1	1	14
	1200		1013.9		1015.5	72.3	64.7	59.5	17.3		65		1.0		0	2	0	0	0	0	0	0	29
Barisal	0000	11	1015.9		1016.3	58.7	57.6	56.6	16.0		94		0.7		2	0	0	0	0	0	0	2	27
	0300		1018.3	+1.9	1018.7	67.5	62.7	59.5	16.7	—0.9	74	—5	0.6	—0.5	9	4	0	0	0	0	0	4	14
	1200		1014.8		1015.2	72.4	64.8	59.7	17.3		65		0.9		1	0	0	0	0	0	1	5	24
Khulna	0000	16	1016.4		1017.0	58.1	56.8	55.5	14.9		91		0.6		0	0	0	0	1	0	0	0	30
	0300		1018.5	+1.5	1019.1	67.3	61.4	57.0	15.6	—0.4	69	+2	0.8	—0.5	2	8	0	0	0	0	0	3	18
	1200		1015.2		1015.8	69.6	63.4	59.9	17.7		70		0.2		0	0	0	0	0	0	0	0	31
Jessore	0000	26	1015.7		1016.6	52.2	51.1	50.4	12.3		93		0.7		0	0	0	0	0	0	0	0	31
	0300		1017.8	+1.0	1018.7	62.6	59·6	57.3	16.3	+0.7	83	+9	1.0	0.0	4	2	0	0	0	0	1	2	22
	1200		1014.9		1015.8	69.3	63.5	59.4	17.0		70		0.3		1	0	0	0	0	0	0	0	30
Satkhira	0000	16	1016.6		1017.2	59.4	56.3	52.9	14.0		82		1.5		0	0	0	0	0	0	0	0	31
	0300		1017.8	+1.0	1018.4	64.7	60.9	57.2	16.5	+0.7	78	+3	1.4	+0.3	1	9	0	1	0	1	0	8	11
	1200		1014.4		1015.0	75.2	69.4	65.5	21.7		71		2.0		0	0	0	0	0	0	0	1	30

× Observations at 0000 hrs. were taken at a distant side by FBO Staff.

(a) Mean for 30 days. (d) Mean for 27 days. (f) Mean for 25 days. (j) Mean for 21 days.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF DECEMBER 1952

Sub-Division and Station	Hours of Observation	Height of bar. cistern above mean sea level	Mean Pressure: Stn. level reduced to standard temp. and gravity	Mean Pressure: Departure from normal	Mean Pressure: Reduced to standard temp. and M.S.L. or nearest GPKM level	Mean temperature of the air and humidity: Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Total Cloud amount: Mean amount	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.	Feet	Mbs	Mbs	Mbs	°F	°F	°F	Mbs	%	%			octas									
KASHMIR																							
Srinagar *	0000	5,205																					
	0300																						
	1200																						
Gulmarg*	0000	8,709																					
	1200																						
Dras*	0000	10,059																					
	0300																						
	0300																						
	1200																						
Leh*	0000	11,529																					
	0300																						
	1200																						
Skardu*	0300	7,505																					
	1200																						
	1200																						
Gilgit*	0000	4,890																					
	0300																						
	1200																						
Misgar	0000	10,190	698.8		708.4	21.3	18.2	11.2	2.4		64	...	3.6		0	0	1	0	0	0	5	0	25
	0300		699.5	...	708.9	19.9	17.3	11.7	2.4	...	69	...	4.1	...	0	0	4	0	0	0	6	0	21
	1200	...	697.7	...	707.1	30.1	23.7	10.9	2.4	...	42	...	4.9		0	0	16	0	0	0	3	0	12
Jammu *	0000																						
	0300																						
	1200																						
Kargil *	0000																						
	0300																						
	1200																						
NORTH PUNJAB																							
Lahore	0000	702	993.3	...	1019.4	42.7	41.2	39.3	8.1	...	87	...	1.5	...	0	0	0	0	0	0	0	0	31
	0300	...	994.6	+1.3	1020.7	43.9	41.9	39.4	8.2	—0.7	84	—1	2.9	+0.5	0	1	2	1	0	0	1	1	25
	1200	...	992.8	...	1017.7	66.1	54.7	42.9	9.5	...	43	...	2.2	...	1	1	0	0	0	0	1	2	26
Sialkot	0000	830	987.7	...	1018.1	46.6	43.7	40.0	8.4	...	77	...	1.8	...	0	5	1	0	0	0	0	0	25
	0300	...	989.1	+0.2	1019.4	48.1	44.3	40.1	8.2	—1.1	70	—14	3.2	+1.1	0	3	1	0	1	0	0	1	25
	1200	...	987.5	...	1017.0	62.6	54.8	47.5	11.2	...	57	...	3.1	...	0	2	0	1	1	0	0	1	26
Jhelum	0000	765	991.1	...	1019.8	41.9	39.7	36.6	7.3	...	83	...	2.0	...	0	0	0	0	0	1	1	1	28
	0300	...	992.6	...	1021.3	43.7	40.5	36.1	7.1	...	76	...	4.2	...	0	1	1	2	1	1	1	6	18
	1200	...	990.4	...	1017.8	62.9	52.6	41.5	9.0	...	44	...	3.1	...	0	0	1	0	0	0	4	4	22
Rawalpindi	0000	1,676	958.9	...	899.4	39.8	36.9	32.5	6.3	...	75	...	×	...	0	0	0	0	0	0	1	0	30
	0300	...	959.8	+0.2	900.6	42.1	38.4	33.0	6.4	—0.6	72	—4	2.5	—0.1	0	0	0	0	0	0	0	0	31
	1200	...	958.4	...	901.3	59.9	49.4	37.7	7.8	...	44	...	2.3	...	1	0	0	0	0	1	4	1	24
Khushab	0000	616	995.9	...	1018.9	43.5	40.4	35.9	7.2	...	75	...	1.1	...	3	6	5	0	5	3	3	4	2
	0300	...	997.8	+0.6	1020.7	45.8	41.6	35.6	7.1	+0.5	69	+8	2.4	—0.1	2	5	3	2	5	4	2	4	4
	1200	...	995.9	...	1017.8	66.9	54.6	41.8	9.0	...	40	...	2.3	...	4	1	2	3	1	1	6	10	3
Lyallpur	0000	605	996.6	...	1019.1	43.4	41.4	38.8	8.0	...	83	...	1.5	...	0	1	1	1	2	5	1	1	19
	0300	...	998.1	+1.3	1020.7	43.4	41.3	38.7	7.9	—0.6	83	+7	2.5	—0.7	0	1	1	3	5	3	4	2	12
	1200	...	996.2	...	1017.7	67.1	53.9	39.4	8.3	...	37	...	2.2	...	2	2	1	2	4	4	4	5	7
SOUTH PUNJAB																							
Montgomery	0000	558	998.3	...	1019.1	42.8	40.6	37.3	7.6	...	83	...	1.1	...	0	0	0	1	0	8	5	7	10
	0300	...	999.5	+0.8	1019.8	53.6	48.1	41.8	9.0	+0.2	64	—13	2.2	+0.4	0	0	0	1	2	6	4	7	11
	1200	...	997.8	...	1017.5	68.7	58.1	48.5	11.8	...	49	...	1.5	...	0	1	0	2	1	7	0	1	19

* Data not available.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF DECEMBER 1952

Sub-Division and Station	Hours of Observation	Height of bar. cistern above mean sea level	Mean Pressure: Stn. level reduced to Standard temp. and gravity	Mean Pressure: Departure from normal	Mean Pressure: Reduced to standard temp. and M.S.L. or nearest GPKM level	Mean temperature of the air and humidity: Dry bulb	Wet bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Total Cloud amount: Mean amount	Departure from normal	Wind direction Number of observations from:— N	NE	E	SW	S	SW	W	NW	Calm.
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.	Feet	Mbs	Mbs	Mbs	°F	°F	°F	Mbs	Mbs	%	%	Octas										
Multan	0300	413	1005.4	+1.3	1020.6	50.5	45.0	37.8	7.7	—2.5	62	—10	2.2	+0.4	3	4	0	0	3	2	0	1	18
	1200	...	1003.0	...	1017.7	69.3	55.5	41.2	8.9	...	37	...	2.6	...	6	0	0	0	3	1	0	2	19
Fort Abbas	0000	475	1001.2	...	1019.0	44.1	41.5	38.1	7.7	...	80	...	0.6	...	0	0	4	5	1	11	0	0	10
	0300	...	1002.0	...	1019.4	53.3	47.0	38.4	8.2	...	57	...	1.2	...	1	3	9	8	1	7	0	0	2
	1200	...	1000.2	...	1017.0	72.8	58.8	45.6	10.7	...	39	...	0.6	...	2	1	1	2	0	24	0	1	0
Bahawalpur																							
	0300	384	1004.4	—0.5	1018.6	44.5	42.4	39.4	8.3	—0.4	84	+10	1.3	—0.6	1	5	3	10	2	2	0	1	7
	1200	...	1003.3	...	1016.8	70.6	59.5	49.7	12.4	...	49	...	1.4	...	0	0	0	0	0	0	0	0	31
Khanpur	0300	297	1008.8	+0.9	1019.8	48.9	44.8	39.2	8.3	+0.3	71	+5	1.4	—0.2	11	2	4	0	3	3	0	0	8
	1200	...	1006.7	...	1017.3	71.0	56.9	42.6	9.5	...	37	...	2.1	...	8	3	1	0	0	4	0	1	14
N. W. F. P. (Upper)																							
Chakdara	0000	2,197	940.4	...	902.5	40.8	38.4	34.5	6.9	...	80	...	2.0	...	0	1	6	0	0	1	0	0	23
	0300	...	941.6	...	903.5	39.8	37.4	34.3	6.6	...	79	...	3.5	...	3	8	0	0	0	1	0	1	18
	1200	...	939.2	...	902.7	59.0	53.0	46.9	11.3	...	66	...	3.8	...	1	1	3	1	2	10	1	0	12
Peshawar	0000	1,175	977.4	...	1020.5	44.6	40.4	33.5	6.7	...	68	...	2.4	...	0	1	1	3	13	10	1	1	1
	0300	...	978.6	+0.6	1021.8	44.8	40.7	34.2	6.8	+0.4	68	+3	3.8	—0.2	0	0	0	3	13	7	0	0	8
	1200	...	976.7	...	1018.4	61.4	51.8	41.1	8.8	...	47	...	3.7	...	2	4	6	1	5	0	0	3	10
Landikotal	0000	3,503	897.8	...	905.3	40.7	34.9	23.8	4.6	...	52	...	3.1	...	0	1	0	1	0	0	0	1	28
	0300	...	899.0	...	906.5	40.8	35.8	27.3	5.1	...	59	...	3.7	...	0	3	1	0	0	0	1	6	20
	1200	...	897.9	...	905.1	53.4	44.2	32.1	6.2	...	45	...	3.4	...	2	3	0	2	0	1	2	7	14
N-W. F. P. (Lower)																							
Bannu	0000	1,264	973.9	...	1020.1	46.3	41.4	34.0	6.7	...	62	...	2.2	...	3	0	1	0	0	1	19	6	1
	0300	...	975.1	...	1021.4	46.9	41.7	33.4	6.7	+0.1	62	+2	3.9	+1.7	0	1	0	0	1	1	13	8	7
	1200	...	973.7	...	1018.5	63.0	53.2	41.8	9.5	...	48	...	3.6	...	0	1	1	6	3	1	2	1	16
Miranshah (R)	0000	3,026																					
	0300	...																					
	1200	...																					
D. I. Khan	0000	570	997.7	...	1019.0	43.6	40.3	35.2	7.0	...	72	...	1.1	...	1	2	0	0	0	0	6	1	21
	0300	...	999.4	+0.8	1020.6	43.0	39.6	34.2	6.8	—0.6	71	—1	1.7	—0.6	2	1	0	0	0	0	3	5	20
	1200	...	998.7	...	1018.9	67.2	55.1	42.8	9.4	...	41	...	2.1	...	2	1	0	4	0	1	1	1	21
BALUCHISTAN (North)																							
Fort Sandeman	0300	4,614	863.8	+1.1	907.9	35.8	29.6	15.7	3.3	—1.9	45	—28	2.4	—0.2	0	0	4	0	1	0	0	0	26
	1200	...	861.8	...	904.1	56.4	42.5	19.9	3.5	...	23	...	3.2	...	3	0	2	0	0	0	0	2	24
Hindu Bagh	0000	5,909	823.0	...	802.7	35.3	30.4	21.8	3.9	...	57	...	1.8	...	0	0	0	0	0	6	15	4	6
	0300	...	824.4	...	804.2	37.4	32.0	23.5	4.1	...	55	...	2.8	...	0	0	1	0	0	5	14	6	5
	1200	...	822.6	...	802.9	50.1	39.3	23.4	4.2	...	35	...	2.9	...	1	0	2	0	0	16	10	1	1
Loralai	0000	4,699	859.5	...	906.7	32.9	30.4	26.3	4.8	...	75	...	0.0	...	0	0	0	0	0	0	11	0	(a) 19
	0300	...	860.6	...	907.7	34.8	31.8	26.6	4.9	...	72	...	2.4	...	0	0	0	0	2	4	14	0	11
	1200	...	858.5	...	903.4	54.6	49.0	43.5	9.6	...	67	...	3.0	...	0	0	0	2	11	4	3	1	10
Sibi	0000	441	1002.8	...	1019.3	47.0	40.7	31.5	5.7	...	51	...	1.2	...	1	0	0	0	1	0	0	1	28
	0300	...	1003.9	+1.7	1020.2	47.2	40.9	31.3	5.7	—0.8	51	+1	1.7	—0.6	1	0	0	0	0	0	0	2	28
	1200	...	1001.8	...	1017.3	72.7	55.8	37.3	7.7	...	27	...	2.6	...	0	2	0	3	6	2	1	0	17
Quetta	0300	5,490	836.3	0.0	802.8	32.6	29.9	25.7	4.6	—0.4	72	—1	2.9	+0.2	3	3	0	2	6	2	0	1	14
	1200	...	834.1	...	801.9	50.3	40.2	26.2	4.9	...	40	...	3.3	...	12	2	0	0	0	1	2	11	3

(R) Register not received. (a) observation for 30 days

TABLE II.—ABSTRACT OF OBSERVATION RECORDED AT FIXED HOURS DURING THE MONTH OF DECEMBER 1952

Sub-Division and Station	Hours of Observation	Height of bar. cistern above mean sea level	Mean Pressure: Stn. level reduced to standard temp. and gravity	Mean Pressure: Departure from normal	Mean Pressure: Reduced to standard temp. and M.S.L. or nearest GPKM level	Mean temperature of the air and humidity: Dry bulb	Wet bulb	Dew point	Vapour pressur	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.	%	%	Octas										
Quetta (Samangli)	0000	5,253	845·6	...	803·6	24·7	22·7	19·0	3·4	...	77	...	2·0	...	0	0	3	14	0	1	1	0	12
	0300	...	846·7	...	804·9	26·0	24·1	20·3	3·6	...	78	...	2·9	...	0	1	1	9	0	0	2	3	15
	1200	...	844·9	...	805·0	51·0	40·0	24·3	4·5	...	36	...	3·0	...	3	0	2	1	0	1	5	19	0
Chaman	0000	4,311	873·2	...	907·1	40·7	35·4	25·9	4·9	...	56	...	1·6	...	1	2	17	6	2	1	0	0	2
	0300	...	874·3	+1·4	908 2	40·6	35·0	26·0	4·7	—1·2	55	—5	1·8	—1·1	1	0	16	10	1	1	1	1	0
	1200	...	872·2	...	905·1	55·2	43·9	30·7	5·0	...	33	...	1·8	...	0	0	0	0	6	6	12	7	0
Sibi	0000(b)	3,416	908·7	...	913·0	45·6	38·4	23·4	4·9	...	48	...	0·6	...	5	9	4	1	0	0	0	0	10
	0300	...	909·3	...	913·6	47·1	37·3	23·6	3·8	...	31	...	0·8	...	8	13	6	1	1	0	0	1	1
	1200	...	905·7	...	909·8	61·1	47·3	29·2	5·4	...	29	...	1·7	...	1	1	1	0	0	1	14	11	2
Kalat	0000	6,616	802·6	...	804·0	26·0	23·6	19·4	3·3	...	72	...	1·6	...	0	0	0	0	23	0	0	0	8
	0300	...	803·1	+1·5	804·8	26·1	23·6	19·4	3·3	—0·6	72	+8	1·9	—0·3	0	0	0	2	22	0	0	0	7
	1200	...	802·0	...	803·6	49·4	38·8	24·3	4·2	...	36	...	2·1	...	1	0	1	0	2	0	0	26	1
Dalbandin	0000	2,785	923·4	...	906·0	37·7	32·6	22·5	4·4	...	56	...	1·7	...	3	11	1	0	1	0	0	1	14
	0300	...	924·8	+2·5	907·3	37·1	32·4	23·3	4·5	—2·1	59	—10	2·4	+0·1	1	12	2	0	0	0	0	0	16
	1200	...	922·5	...	906·0	62·6	47·4	22·5	5·4	...	27	...	2·7	...	0	10	13	0	0	2	0	1	5
Nokkundi	0000(j)	2,229	939·9	...	903·9	43·8	37·7	25·8	5·4	...	55	...	0·0	...	5	3	1	1	(d) 0	0	0	5	4
	0300(l)	...	941·1	...	905·0	46·7	38·8	24·4	4·9	—1·0	44	—10	0·4	—2·3	6	5	0	0	0	1	0	5	2
	1200(j)	...	939·2	...	904·9	68·9	53·5	34·5	7·7	...	32	...	1·5	...	3	0	0	8	1	0	1	5	3
BALUCHISTAN (South)																							
Las Bela	0000	292	1007·4	...	1018·1	53·4	47·3	39·8	8·3	...	60	...	0·7	...	3	0	0	0	0	0	0	2	26
	0300	...	1008·8	+1·4	1019·5	56·0	49·0	39·9	8·7	—2·3	57	—4	0·1	—1·2	4	4	0	0	0	0	1	7	15
	1200	...	1005·6	...	1015·8	81·3	63·9	50·6	12·1	...	34	...	0·4	...	1	0	7	3	2	7	1	0	10
Ormara	0000	15	1016·5	...	1017·0	61.7	59·1	56·9	16·2	...	85	...	0·5	...	0	2	1	1	0	0	3	0	24
	0300	...	1018·2	...	1018·7	60·3	57·2	54·6	14·5	—0·5	82	+5	0·3	—1·8	0	2	1	3	1	0	1	0	23
	1200	...	1015·6	...	1016·1	77·0	70·7	67·0	22·5	...	71	...	0·5	...	0	0	1	4	10	1	15	0	0
Pasni	0000	10	1017·5	...	1017·8	57·4	54·2	50·5	12·9	...	81	...	1·7	...	6	0	0	0	0	0	5	16	4
	0300	...	1018·7	+1·2	1019·0	58·9	54·8	49·8	13·0	—1·1	76	+1	2·1	+0·3	4	2	0	1	0	1	4	12	7
	1200	...	1016·4	...	1016·7	76·0	67·4	61·0	19·1	...	62	...	1·4	...	1	1	0	7	6	13	0	3	0
Turbat	0000	510	1000·6	...	1019·1	53·7	48·2	41·5	9·0	...	64	...	0·9	...	0	24	0	5	0	0	0	0	2
	0300	...	1002·2	...	1020·7	56·5	50·5	43·2	9·8	...	63	...	0·9	...	0	6	0	13	0	0	0	0	2
	1200	...	998·8	...	1016·7	79·9	64·8	52·2	14·2	...	44	...	1·0	...	0	13	0	2	1	2	3	10	0
Panjgur	0000	3,177	909·4	...	905·7	45·4	38·3	26·5	5·0	...	49	...	1·5	...	9	13	6	0	0	2	0	1	0
	0300	...	910·6	+1·8	906·9	42·1	35·4	22·1	4·5	—2·1	49	—14	1·5	—0·7	3	23	2	1	0	0	0	2	0
	1200	...	908·1	...	904·5	64·2	48·5	27·0	5·4	...	26	...	2·1	...	4	7	1	0	0	5	5	9	0
SIND (Upper)																							
Reti	0000	280	1009·1	...	1019·3	43·3	39·7	34·6	6·7	...	71	...	0·8	...	9	1	3	0	3	0	6	0	9
	0300	...	1010·4	...	1020·7	44·7	40·9	35·3	6·6	...	68	...	0·9	...	7	0	2	0	4	0	1	0	17
	1200	...	1008·3	...	1018·2	74·3	57·7	41·5	8·9	...	30	...	1·2	...	11	1	3	0	0	0	6	1	9
Jacobabad	0000	183	1011·6	...	1018·5	49·4	42·4	31·6	6·1	...	50	...	1·5	...	1	0	3	3	0	1	2	6	15
	0300	...	1013·4	+1·2	1020·3	49·7	42·1	30·5	5·7	—3·0	47	—21	2·2	+0·6	0	2	3	2	0	1	4	8	11
	1200	...	1010·9	...	1017·5	72·2	54·2	31·5	6·2	...	23	...	2·5	...	2	2	2	1	2	3	5	11	3
Sukkur	0300	221	1011·5	+1·1	1019·7	50·9	46·5	41·0	9·1	—0·1	68	+3	2·4	+1·1	3	10	2	8	0	1	0	2	5
	1200	...	1009·3	...	1017·2	72·2	56·7	41·0	9·3	...	32	...	2·4	...	9	9	1	4	2	2	0	4	0
Pad Idan	0000	153	1012·6	...	1018·4	45·4	42·6	38·3	8·0	...	76	...	0·7	...	10	7	0	1	0	0	0	3	10
	0300	...	1014·3	...	1020·3	46·1	43·0	40·4	8·0	...	77	...	2·2	...	11	6	0	1	0	0	1	0	12
	1200	...	1011·9	...	1017·1	73·5	55·7	35·7	7·1	...	24	...	1·7	...	13	8	0	0	0	0	0	5	5

~~(a) Mean for 30 days.~~ (b) Mean for 29 days. (j) Mean for 21 days. (l) Mean for 19 days.

TABLE II.—ABSTRACT OF OBSERVATIONS RECORDED AT FIXED HOURS DURING THE MONTH OF DECEMBER 1952

Sub-Division and Station	Hours of Observation	Height of bar. cistern above mean sea level	Mean pressure: Stn. level reduced to standard temp. and gravity	Mean pressure: Departure from normal	Mean pressure: Reduced to standard temp. and M.S.L. or nearest GPKM level	Mean temperature of the air and humidity: Dry bulb	Wet. bulb	Dew point	Vapour pressure	Departure from normal	Relative humidity	Departure from normal	Total Cloud amount: Mean Amount	Departure from normal	Wind direction Number of observations from :— N	NE	E	SE	S	SW	W	NW	Calms
1	2	3	4	5	5 a	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	GMT	Ft.	Mb.	Mb.	Mbs.	°F	°F	°F	mb.	mb.	%	%	Octas										
SIND (Lower)																							
Umarkot	0000	55	1015·3	...	1017·3	49·1	42·6	35·0	6·4	...	53	...	1·3	...	14	3	0	0	0	0	0	0	14
	0300	...	1016·4	...	1018·4	50·9	44·1	35·9	6·9	...	52	...	1·6	...	13	4	0	0	0	0	0	0	14
	1200	...	1013·4	...	1015·4	76·9	60·2	45·3	10·6	...	33	...	1·4	...	19	1	0	0	0	0	0	6	5
Chhor	0000	19	1016·1	...	1016·7	46·3	42·7	36·4	7·7	...	73	...	0·1	...	1	1	0	0	0	0	0	0	29
	0300	...	1017·9	...	1018·6	50·0	43·7	36·2	6·9	...	56	...	0·1	...	2	0	0	0	0	0	0	0	29
	1200	...	1015·0	...	1015·7	77·7	61·5	47·4	11·6	...	37	...	0·1	...	11	9	0	0	0	0	1	1	9
Hyderabad	0000	96	1014·0	...	1017·8	54·3	47·4	39·4	8·1	...	55	...	1·2	...	25	1	0	0	0	0	0	0	5
	0300	...	1015·5	+0·6	1019·0	54·0	47·3	39·0	8·2	—0·9	57	—1	2·3	+0·9	25	1	0	0	1	0	0	0	4
	1200	...	1013·2	...	1016·6	75·1	57·7	40·0	8·4	...	28	...	1·9	...	13	14	0	0	0	0	0	1	3
Karachi (Air Port) ...	0000	73	1014·7	...	1017·4	54·8	49·1	42·3	9·4	...	63	...	1·4	...	19	2	1	0	0	0	0	1	6
	0300	...	1016·5	...	1019·1	56·2	49·6	41·7	9·1	...	60	...	2·6	...	17	6	2	0	0	0	0	1	5
	1200	...	1013·7	...	1016·3	77·0	62·9	50·0	13·4	...	42	...	2·2	...	1	8	3	1	5	8	2	0	2
Karachi (Monora)	0000	13	1016·7	...	1017·2	61·7	53·7	45·4	10·7	...	56	...	2·1	...	5	20	1	0	0	0	0	0	5
	0300	...	1018·4	+0·9	1018·9	61·8	53·7	45·3	10·5	—1·4	56	—6	2·8	+1·0	6	18	0	0	0	0	0	0	7
	1200		1015·7	...	1016·2	75·7	64·6	56·2	16·1	...	53	...	2·7	...	2	5	0	1	5	8	8	1	1
Badin	0000	31	1017·0	...	1018·2	53.9	50·0	46·0	10·5	...	74	...	0·2	...	7	2	0	0	0	0	0	1	21
	0300	...	1018·4	+2·1	1019·5	52·5	50·3	43·0	11·7	+1·7	85	+24	1.0	—0·3	8	2	0	0	0	0	0	1	20
	1200	...	1015·3	...	1016·4	80·0	66·0	56·0	15·5	...	44	...	0·8	...	9	2	0	0	0	0	0	8	12
HILL STATIONS EXCLUDING KASHMIR AND BALUCHISTAN																							
Murree	0000	7,113	785·1	...	801·5	38·8	32·7	21·8	4·2	...	53	...	2·5	...	0	5	6	9	0	1	1	9	0
	0300	...	786·7	+0·6	803·1	39·6	32·8	20·5	3·9	—0·4	48	0	4·7	+1·6	1	2	6	13	0	0	3	0	6
	1200	...	785·6	...	801·9	41·9	34·6	22·8	4·2	...	47	...	4·4	...	1	5	8	5	1	1	3	7	0
Cherat	0300	4,272	874·3	+1·1	906·7	47·0	38·8	25·3	4·7	—0·3	44	—4	3·3	+0·4	25	2	0	0	3	0	0	0	1
	1200	...	873·3	...	905·4	51·4	42·0	28·3	5·3	...	40	...	3·3	...	17	0	0	0	11	0	0	2	1
Drosh	0000	4,806	859·3	...	909·4	39·0	32·7	19·4	3·8	...	47	...	3·8	...	0	0	1	3	0	0	0	0	27
	0300	...	860·3	+1·2	910·5	38·8	33·1	20·5	4·1	—1·1	51	—14	5·0	+1·5	0	3	0	5	0	0	0	0	23
	1200	...	857·9	...	907·0	47·4	37·8	18·9	3·9	...	35	...	5·1	...	0	2	2	11	1	2	0	0	13
Parachinar	0000	5,673	828·5	...	800·4	35·8	31·9	26·0	4·7	...	67	...	1·0	...	0	13	0	14	0	1	0	0	3
	0300	...	830·3	+1·1	801·9	37·2	33·0	26·0	4·9	—0·4	65	+2	1·9	+1·1	0	18	0	9	0	1	0	0	3
	1200	...	829·4	...	801·8	48·7	41·6	33·0	6·4	...	55	...	2·0	...	0	4	0	24	0	0	0	0	3
Wana	0300	4,503	865·9	...	906·8	33·0	30·0	24·1	4·5	—0·3	70	0	2·5	+0·9	0	0	0	0	1	3	0	0	27
	1200	...	864·0	...	903·1	52·9	42·1	23·7	4·9	...	35	...	3·1	...	0	1	0	12	2	3	1	1	11
AFGHANISTAN																							
Jalalabad	0300	1,950	949·9	...	902·1	47·4	41·2	32·5	6·3	...	56	...	2·5	...	0	0	0	0	0	4	9	0	18
	1200	...	946·9	...	900·6	61·3	51·1	40·4	8·7	...	47	...	2·8	...	0	0	3	0	0	1	6	0	21
Kabul	0300	5,955	824·1	...	805·0	31·0	27·4	20·6	3·8	+0·1	66	—4	4·5	+0·7	5	1	1	2	5	6	4	2	5
	1200	...	823·3	...	804·7	46·1	37·2	24·4	4·4	...	41	...	4·9	...	7	7	6	3	1	1	0	0	6
Kandahar	0300	3,462	900·0	...	906·1	32·2	30·4	27·2	5·1	...	81	...	1·8	...	0	0	0	0	0	0	0	0	31
	1200	...	898·2	...	904·2	57·3	47·8	37·1	7·5	...	46	...	2·3	...	0	1	0	0	0	1	0	0	29
IRAN																							
Jask	0300	13	1018·4	...	1018·9	65·4	60·3	56·2	15·7	...	73	...	2·2	0·0	6	11	8	0	0	0	1	2	[illegible]
	1200	...	1017·1	...	1017·8	76·7	67·7	60·9	18·1	...	60	...	2·1	...	0	0	4	0	6	12	9	0	0
ARABIA																							
Muscat	0300	20	1018·8	...	1019·3	69·8	63·6	59·5	17·7	...	69	...	2·9	+0·7	2	1	1	1	1	6	5	2	12
	1200	...	1016·8	...	1017·3	75·1	66·7	61·7	18·4	...	62	...	2·2	...	3	8	1	2	1	0	1	13	2
Kuwait †	0600	16	1021·2	...	1021·7	61·9 (a)	56·1 (a)	52·0 (a)	13·0 (a)	...	69 (a)	...	2·5	...	0	2	0	5	1	3	6	12	2
	1200	...	1018·9	...	1019·5	65·8	59·6	55·3	15·0	...	69	...	2·1	...	5	2	1	4	0 (a)	1	2	8	7

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

(a) Mean for 30 days.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF DECEMBER 1952

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 hrs.	Date	Days with 0·10" or more	Departure from normal	Mean	Departure from normal	Thunder heard	Hail	Visibility Code figure 93 or less		
																			Fog	Haze (Dust)	Dust-storm
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
EAST PAKISTAN (North)																					
Pabna	80·6	+0·8	84	8, 16	55·0	+0·8	49	31	0·00	—0·15	0·00	0	0	—0·3	×	...	0	0	0	0	0
Rajshahi ...	...	...	...	...	...	...	...	...	0·00	—0·11	0·00	0	0	—0·2	...	...	0	0	0	0	0
Sirajganj ...	79·3	...	80	16 days	54·3		50	31	0·00	—0·09	0·00	0	0	—0·3	(l) 1·0	...	0	0	2	0	0
Bogra	77·8	+1·1	81	4 days.	55·4	+0·9	47	30	0·00	—0·09	0·00	0	0	—0·2	1·1	+0·2	0	0	0	0	0
Dinajpur ...	78·8	+1·7	82	7	51·7	—0·3	44	30	0·00	—0·06	0·00	0	0	—0·1	0·6	—0·5	0	0	0	0	0
Rangpur ...	...	...	...	...	...	...	...	...	0 00	—0·08	0·00	0	0	—0·2	...	...	...	...	...	0	0
EAST PAKISTAN (East)																					
Cox's Bazar ...	80·3	+0·6	84	17	57·9	—0·8	53	23	0·00	—0·98	0·00	0	0	—0·6	1·7	+0·5	0	0	0	0	0
Chittagong ...	79·3	+0·3	81	9 days	56·1	—1·1	52	31	0·00	—0·64	0·00	0	0	—0·7	2·5	—0·6	0	0	1	0	0
Noakhali (Maijdee)	78·0	—0·5	81	23	56·8	—2·9	53	31	0·00	—0·28	0·00	0	0	—0·4	×	...	*	*	*	*	*
Brahmanbaria ...	80·0	+0·2	84	23	57·7	+2·3	51	31	0·00	—0·31	0·00	0	0	—0·5	0·9	...	0	0	3	0	0
Comilla	76·3	—2·9	81	7	57·1	+2·3	51	31	0·00	—0·30	0·00	0	0	—0·4	0·5	—0·5	0	0	0	0	0
Narayanganj ...	(f) 80·9	+2·4	87	10	(f) 58·4	+0·9	52	31	0·00	—0·20	0·00	0	0	—0·4	0·9	—0·2	*	*	*	*	*
Srimangal ...	78·9	—1·5	81	8, 9, 11	49·4	—0·1	44	30, 31	0·00	—0·25	0·00	0	0	—0·5	1·0	—0·1	0	0	8	0	0
Mymensingh ...	78·7	+1·0	80	6 days	56·0	+0·2	50	31	0·00	—0·09	0·00	0	0	—0·3	2·2	—1·7	0	0	0	0	0
EAST PAKISTAN (Detlaic)																					
Faridpur ...	77·9	+1·5	80	5, 8, 9	54·5	—0·4	50	5, 31	0·00	—0·15	0·00	0	0	—0·3	*	...	0	0	0	0	0
Barisal	79·2	+0·7	81	9	58·3	+1·7	55	4 days	0·00	—0·25	0·00	0	0	—0·5	1·4	+0·3	0	0	0	0	0
Khulna ...	80·2	+1·5	84	9	*	...	*	...	0·00	—0·19	0·00	0	0	—0·3	1·0	—0·7	0	0	2	0	0
Jessore	80·8	+1·9	84	8	51·2	—0·3	47	28	0·00	—0·18	0·00	0	0	—0·4	1·2	+0·3	0	0	0	0	0
Satkhira	78·2	—2·4	88	6	54·9	+0·5	51	28	0·00	—0·17	0·00	0	0	—0·3	*	...	0	0	0	0	0
KASHMIR																					
Srinagar × ...																					
Gulmarg × ...																					
Dras × ...																					
Leh × ...																					
Skardu × ...																					
Gilgit × ...																					
Misgar ...	36·1	...	46	3	17·3	...	9	4 days	0·15	...	0·11	31	1	...	3·3	...	0	0	0	0	0
Jammu ×																					
Kargil ×																					
NORTH PUNJAB																					
Lahore	72·4	+0·1	82	5	40·2	—0·4	35	26	0·00	—0·47	0·00	...	0	—1·0	1·4	+0·6	0	0	0	0	0
Sialkot	69·6	+0·2	76	2, 5, 7	43·1	+0·9	39	27, 28	0·06	—0·66	0·06	23	0	—1·3	1·1	+0·4	0	0	0	0	0
Jhelum	70·7	...	79	4 days	39·1	...	35	29 10	0·39	...	0.39	19	1	...	1·3	...	1	0	2	0	0
Rawalpindi ...	69·5	+2·7	78	5	36·8	—1·0	32	23	0·00	—1·24	0·00	...	0	—2·3	1·3	+0·1	0	0	0	0	0
Khushab ...	73·2	+1·5	83	3	41·2	—0·3	36	20, 23	0·06	—0·37	0·06	31	0	—0·9	2·5	+0·6	0	0	0	0	0
Lyallpur	72·7	+2·0	81	7, 9	*	...	...	24 ...	0·00	—0·25	0·00	...	0	—0·8	1·6	+0·4	0	0	0	0	0
SOUTH PUNJAB																					
Montgomery ...	73·4	+1·4	82	6	42·1	—1·0	36	24, 28	0·08	—0·18	0·08	19	0	—0·8	1·0	—0·6	0	0	0	0	1
Multan	74·3	+2·6	84	9	44·4	+1·0	36	22	0·00	—0·24	0·00	...	0	—0·7	0·8	—0·1	0	0	0	0	0
Fort Abbas ...	75·9	...	85	7	39·9	...	31	28	0·00	...	0·00	...	0	...	(b) 2·4	...	0	0	0	0	0
Bahawalpur ...	76·0	+2·0	86	5	42·3	—1·3	36	4 days	0·00	—0·22	0·00	...	0	—0·6	1·7	+0·1	0	0	0	0	0
Khanpur ...	75·9	—0·3	84	3, 5	44·5	+0·5	37	24	0·00	—0·13	0·00	...	0	—0·5	3·1	—0·1	0	0	1	0	0

(f) Observations for 25 days. (×) Data not available. (b) Mean for 29 days. (l) Mean of 19 days.

* Data rejected.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF DECEMBER 1952

Sub-Division and Station	Maximum temperature of the air °F				Minimum temperature of the air °F				Precipitation (Inches)						Wind velocity (Knots)		Weather Number of days				
	Mean	Departure from normal	Highest	Date	Mean	Departure from normal	Lowest	Date	Total of the month	Departure from normal	Heaviest fall in 24 hours	Date	Days with 0·10" or more	Departure from normal	Mean	Departure from normal	Thunder heard	Hail	Visibility Code figure 93 or less: Fog	(Haze) Dust	Dust-Storm
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
N. W. F. P. (Upper)																					
Chakdara ...	63·3	...	72	4 days	36·2	...	32	4 days.	0·39	...	0·23	31	2	...	3·5	...	1	0	0	0	1
Peshawar ...	68·1	+1·4	79	3	40·9	0·0	37	4 days.	0·43	—0·24	0·23	31	2	+0·4	1·9	+0·8	0	0	0	0	0
Landi kotal ...	58·1	...	70	10	36·0	...	31	6,23,24	0·86	...	0·44	19	3	...	1·4	...	0	0	3	0	0
N. W. F. P. (Lower)																					
Bannu	69·5	—0·6	80	4	43·4	+1·4	37	24	0·64	+0·24	0·59	18	1	—0·5	2·4	...	1	0	0	0	1
Miranshah (R) ...																					
D. I. Khan ...	*	...	...	...	40·4	—0·8	35	4 days.	0·03	—0·21	0·03	18	0	—0·7	1·3	+0·7	0	0	0	0	0
BALUCHISTAN (North)																					
Fort Sandeman ...	61·1	+1·2	71	5	32·2	—1·2	26	24	0·02	—0·55	0·02	30	0	—0·2	1·6	+0·4	0	0	0	0	0
Hindubagh ...	58·0	...	69	11	30·4	...	18	21, 24	0·59	...	0·49	31	1	...	6·0	...	0	0	0	0	0
Loralai ...	60·1	...	69	6	30·5	...	22	20, 22	0·87	+0·37	0·65	31	2	+0·5	3·7	...	0	0	0	0	0
Harnai	...	...	...	...	...	...	...	...	0·33	—0·44	0·33	31	1	—0·4	...	...	0	0	0	0	0
Sibi	76·3	+1·4	85	3, 7	43·1	—2·4	36	20,22,23	0·15	—0·15	0·15	31	1	+0·3	0·4	—1·1	0	0	0	0	0
Quetta	54·1	...	67	12	25·0	...	12	20	0·75	...	0·57	31	1	...	3·4	+1·7	0	0	1	0	0
Quetta (S ..nungli)	54·9	...	67	12	20·2	...	11	20	0·60	...	0·41	31	2	...	2·9	...	0	0	1	0	0
Chaman	58·8	+1·8	69	5	36·2	—0·6	26	20	0·60	—0·75	0·28	30	3	—0·2	3·8	+0·3	0	0	0	0	0
Nushki	63·9	...	76	5	43·0	...	34	20	0·54	...	0·54	31	1	...	6·3	...	0	0	0	0	0
Kalat	54·7	—0·6	64	12	22·1	—4·0	8	19	1·04	+0·10	0·85	31	2	—0·2	3·9	+0·5	0	0	0	0	0
Dalbandin ...	64·7	—0·5	78	5	32·9	—2·1	21	19	0·96	+0·28	0·92	31	1	—0·8	3·2	+0·8	0	0	0	4	0
Nokkundi (R) ...	73·4	+2·5	79	5	41·1	—2·3	32	23	0·00	—0·14	0·00	...	0	—0·3	6·4	+2·2	0	0	0	0	0
BALUCHISTAN (South)																					
Las Bela... ...	85·7	+2·4	94	6	×	...	...	...	0·60	+0·04	0·60	31	1	+0·3	1·5	0·0	0	0	0	0	0
Ormara	79·0	+1·6	87	7	56·8	—2·1	50	21, 22	0·54	—0·10	0·54	31	1	—0·2	3·6	—0·1	0	0	0	0	0
Pasni	79·4	+1·5	87	30	54·5	—2·1	47	22	0·00	—0·84	0·00	...	0	—1·5	5·9	+1·5	0	0	0	0	0
Turbat	82·6	...	90	6	51·7	...	46	20, 22	0·00	...	0·00	...	0	...	4·4	...	0	0	0	0	0
Panjgur	66·9	+0·4	77	4	34·0	—5·8	23	19, 20	0·45	—0.12	0·39	31	1	—0·4	3·8	—0·3	0	0	0	0	0
SIND (Upper)																					
Reti	76·8	...	85	7, 9	37·6	...	34	25	0·00	...	0·00	...	0	...	3·2	...	0	0	0	0	0
Jacobabad ...	75·9	+1·5	84	7	46·0	—0·5	39	24, 25	0·13	—0·04	0·13	31	1	+0·5	2·5	+0·5	0	0	0	0	0
Sukkur	76·9	+0·7	85	5	47·3	—1·4	39	23	0·08	+0·05	0·08	31	0	—0·2	1·8	—0·4	0	0	0	0	0
Pad Idan ...	76·3	...	84	4, 5, 6	41·7	...	34	23	0·41	...	0·41	30	1	...	2·4	...	0	0	0	0	0
SIND (Lower)																					
Umar kot ...	81·3	...	89	4	46·0	...	41	26, 28	0·00	...	0·00	...	0	...	2·8	...	0	0	2	0	0
Chhor	81·2	...	88	2	43·8	...	38	28	0·00	...	0·00	...	0	...	1·0	...	0	0	1	0	0
Hyderabad ...	77·7	—0·9	90	5	52·1	—0·5	44	23	0·16	+0·06	0·16	31	1	+0·7	2·6	—0·9	0	0	0	0	0
Karachi (Airport)	81·0	...	89	5	51·6	...	45	20	0·13	...	0·11	31	1	...	3·3	...	0	0	0	0	0
Karachi (Manora)	79·8	+1·1	88	3	59·4	—0·7	54	19,22,23	0·25	+0·05	0·15	18	2	+1·5	4·4	—0·7	0	0	0	1	0
Badin	80·6	+0·1	93	5	54·3	+2·5	49	22	0·00	—0·15	0·00	...	0	—0·4	2·1	...	0	0	0	0	0
HILL STATIONS excluding Kashmir and Baluchistan.																					
Murree	50·2	—0·5	60	4	35·6	+0·7	28	19, 24	0·88	—0·92	0·76	19	2	—1·2	6·9	+2·5	0	0	1	0	0
Cherat	56·7	+2·9	69	9	43·0	+0·6	35	19	0·41	—1·15	0·40	31	1	—1·2	×	...	0	0	0	0	0
Drosh	51·8	+1·3	64	7	36·8	+1·2	31	5 days.	2·03	+0·83	0·76	18	5	+1·8	2·8	+1·0	0	0	0	0	0
Parachinar ...	56·6	+1·8	67	9, 10	33·2	+0·7	23	19, 20	2·08	+0·85	1·20	18	3	+0·1	2·6	+0·9	0	0	0	0	0
Wana	59·6	—0·3	68	4 days.	28·8	—0·7	20	21	1·55	+0·85	1·50	31	1	—0·8	2·1	...	0	0	0	0	0

(L) Mean of 19 days. (R) Registered not received.

TABLE III.—SUMMARY OF TEMPERATURE, PRECIPITATION, WIND VELOCITY AND WEATHER DURING THE MONTH OF DECEMBER 1952

Sub-Division and Station	Maximum temperature of the air °F				Minimum temperature of the air °F				Precipitation (Inches)						Wind velocity (Knots)		Weather Number of days				
	Mean	Departure from normal	Highest	Date	Mean	Departure from normal	Lowest	Date	Total of the month	Departure from normal	Heaviest fall in 24 hours	Date	Days with 0·10" or more	Departure from normal	Mean	Departure from normal	Thunder heard	Hail	Visibility Code figure 93 or less. Fog	Haze (Dust)	Dust Storm
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
AFGHANISTAN																					
Jalalabad ...	64·5	...	75	9	38·4	...	33	13, 15	1·66	...	0·92	18	3	...	1·5	...	0	0	0	0	0
Kabul ...	50·8	+3·2	62	10	27·5	+0·8	19	21	0·47	—0·10	0·19	31	2	+0·4	3·5	+1·3	0	0	0	0	0
Kandahar ...	61·4	...	71	5	29·5	...	22	20, 21	0·02	...	0·02	16	0	...	0·8	...	0	0	0	0	0
IRAN																					
Jask	78·2	+0·4	83	7	62·8	—0·4	56	31	0·00	—1·15	0·00	...	0	—2·0	6·0	—0·5	0	0	0	0	0
ARABIA																					
Muscat	77·0	—1·1	82	2	68·1	—0·6	62	10	0·63	—0·07	0·61	3	1	—0·6	3·1	0·0	0	0	0	0	0
Kuwait † ...	67·9	...	73	24	57·2	...	51	16, 18	0·98	...	0·40	27	2	...	×	...	0	0	1	1	0

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

GPPK—H 11 MS—27-2-60—200.