Pakistan. Meteorological Service
1.

Regd. No. S-1451.

WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR. Jly-Dec 1951

For the week ending at 0300 hours G. M. T. on Wednesday, the 11th July, 1951.

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WEATHER BUREAU

—o:O:o—

SUMMARY OF WEATHER.

Low pressure waves moving eastwards across the northern regions of West Pakistan caused light spell of wet weather and a few thunderstorms during the first half of the week.

Monsoon was vigorous in East Pakistan on the first two days and active thereafter.

Some of the noteworthy amounts of rainfall recorded during the week were:—Brahmanbaria 5"; Cox's Bazar 3"; Chittagong and Rangpur 1½" each; Comilla and Jessore 1" each; Murree and Fort Abbas ¼" each on the 5th. Narayanganj 4"; Barisal 3"; Chittagong and Comilla 2" each and Cox's Bazar 1½" on the 6th. Cox's Bazar 1½"; Mymensingh and Satkhira 1" each on the 7th. Barisal 2" on the 8th. Cox's Bazar and Faridpur 1½" each, Khulna 1" on the 9th. Barisal ¾" on the 10th; Bogra 1½" on the 11th.

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July-Dec

Day temperatures were markedly to considerably below normal in the Punjab, the North-West Frontier Province, north Baluchistan and upper Sind on the 4th, and markedly to considerably above normal in the Punjab on the 10th. In East Pakistan they were appreciably to markedly below normal in the Deltaic sub-division on the 5th.

2. EAST PAKISTAN: Rainfall was nearly general on five days in the Eastern sub-division, on four days in the Deltaic sub-division and on three days in the Northern sub-division. It occurred locally in the Deltaic sub-division on the 9th and 11th, in the Northern sub-division on the 8th and 9th and in the Eastern sub-division on the 10th. A few falls were also recorded in the Northern sub-division on the 5th and 10th, in the Deltaic sub-division on the 10th and in the Eastern sub-division on the 8th.

KASHMIR: Data not available.

PUNJAB: A few falls were recorded on one day.

NORTH-WEST FRONTIER PROVINCE: A few falls occurred over the hills on two days.

BALUCHISTAN: Weather continued dry.

SIND: Weather continued dry.

JUNAGADH: Data not available.

3. The week's rainfall was normal in the Eastern and Deltaic sub-divisions and scanty in the Northern sub-division of East Pakistan. No rain fell over West Pakistan.

Rainfall for the period from 1st June 1951 to date was in excess in the Northern sub-division and normal in the Eastern and Deltaic sub-divisions of East Pakistan. It was deficient in the Punjab and the North-West Frontier Province. No rain fell elsewhere in West Pakistan.

4. The table overleaf summarises the rainfall statistics for the eleven sub-divisions of Pakistan both for the week and for the period from 1st June 1951 to date.

KARACHI-11.
The 11th July, 1951.

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MOHAMMAD SHABBAR,
for Director, Meteorological Service.

83340

National Oceanic and Atmospheric Administration

Climate Database Modernization Program

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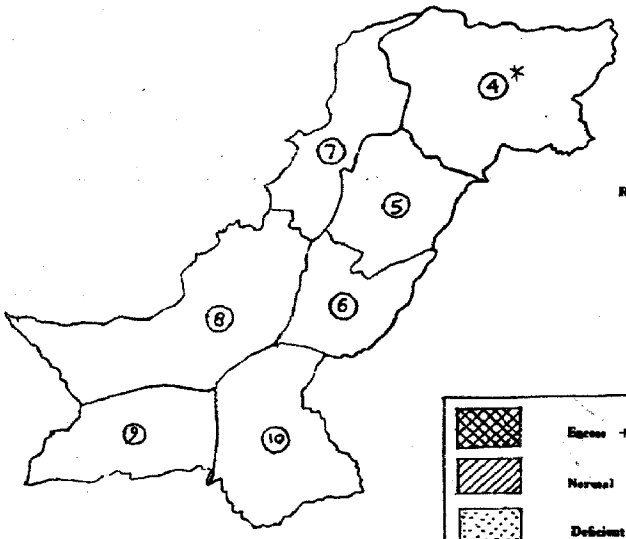
WEEKLY WEATHER REPORT

Division	Rainfall for week ending on 11th July, 1951.			Rainfall for period from 1-6-1951 to 11th July, 1951.			
	Actual †	Normal	Excess or defect	Actual †	Normal	* Excess or defect	
						Inches	Per cent
1	2	3	4	5	6	7	8
1. East Pakistan (East)	4.2	4.3	− 0.1	29.8	25.7	+ 4.1	+ 16
2. East Pakistan (Deltaic)	3.0	3.1	− 0.1	15.3	17.9	− 2.5	− 14
3. East Pakistan (North)	1.5	3.8	− 2.8	26.9	20.1	+ 6.8	+ 34
4. Kashmir ††	....	....	....	....	....	....	....
5. North Punjab	0	1.3	− 1.3	1.6	3.7	− 2.1	− 56
6. South Punjab	0	0.6	− 0.6	0.6	1.3	− 0.7	− 56
7. N. W. F. P.	0	0.4	− 0.4	0.5	1.1	− 0.6	− 54
8. North Baluchistan	0	0.2	− 0.2	0	0.6	− 0.6	− 100
9. South Baluchistan	0	0.1	− 0.1	0	0.3	− 0.3	− 100
10. Sind	0	0.4	− 0.4	0	1.3	− 1.3	− 100
11. Junagadh ††	....	....	....	....	....	....	....

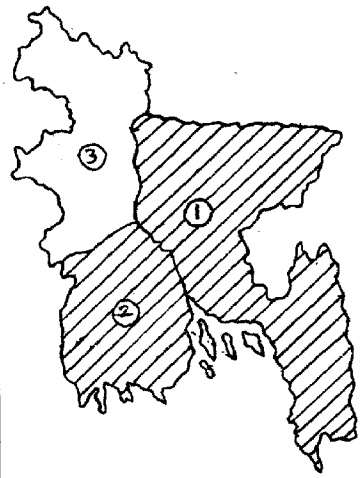
* In the calculation of excesses and defects, and their percentages, rainfall figures are taken correct to 0·01".

† Rainfall of stations having no normals is not included.

†† Data not available



RAINFALL FOR THE WEEK ENDING 11-7-1951



Excess + 20 % or more

Normal + 19% to − 19 %

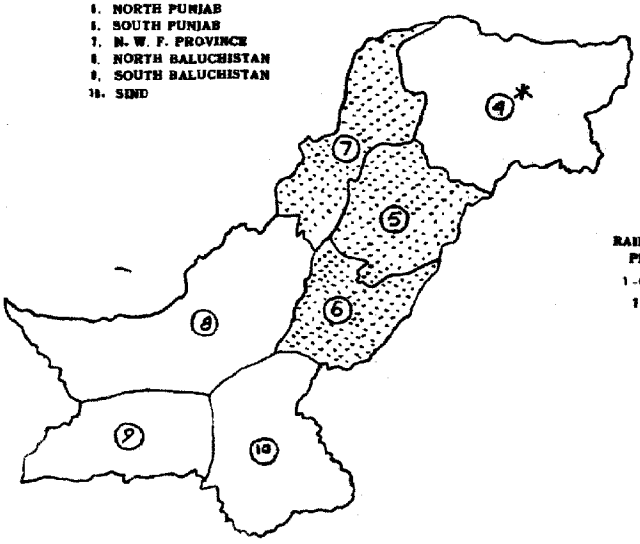
Deficient − 20% to − 59 %

Scanty − 60 % or less

WEST PAKISTAN

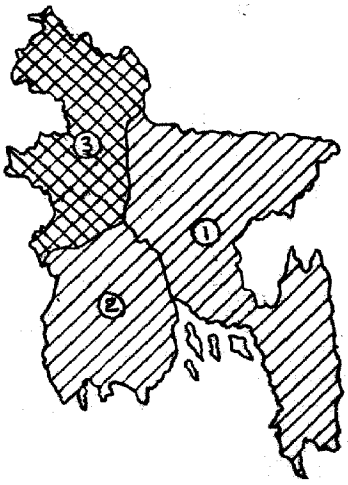
EAST PAKISTAN

4. KASHMIR
5. NORTH PUNJAB
6. SOUTH PUNJAB
7. N. W. F. PROVINCE
8. NORTH BALUCHISTAN
9. SOUTH BALUCHISTAN
10. SIND



RAINFALL FOR THE PERIOD FROM 1-6-1951 TO 11-7-1951

1. EAST PAKISTAN (EAST)
2. EAST PAKISTAN (DELTAIC)
3. EAST PAKISTAN (NORTH)



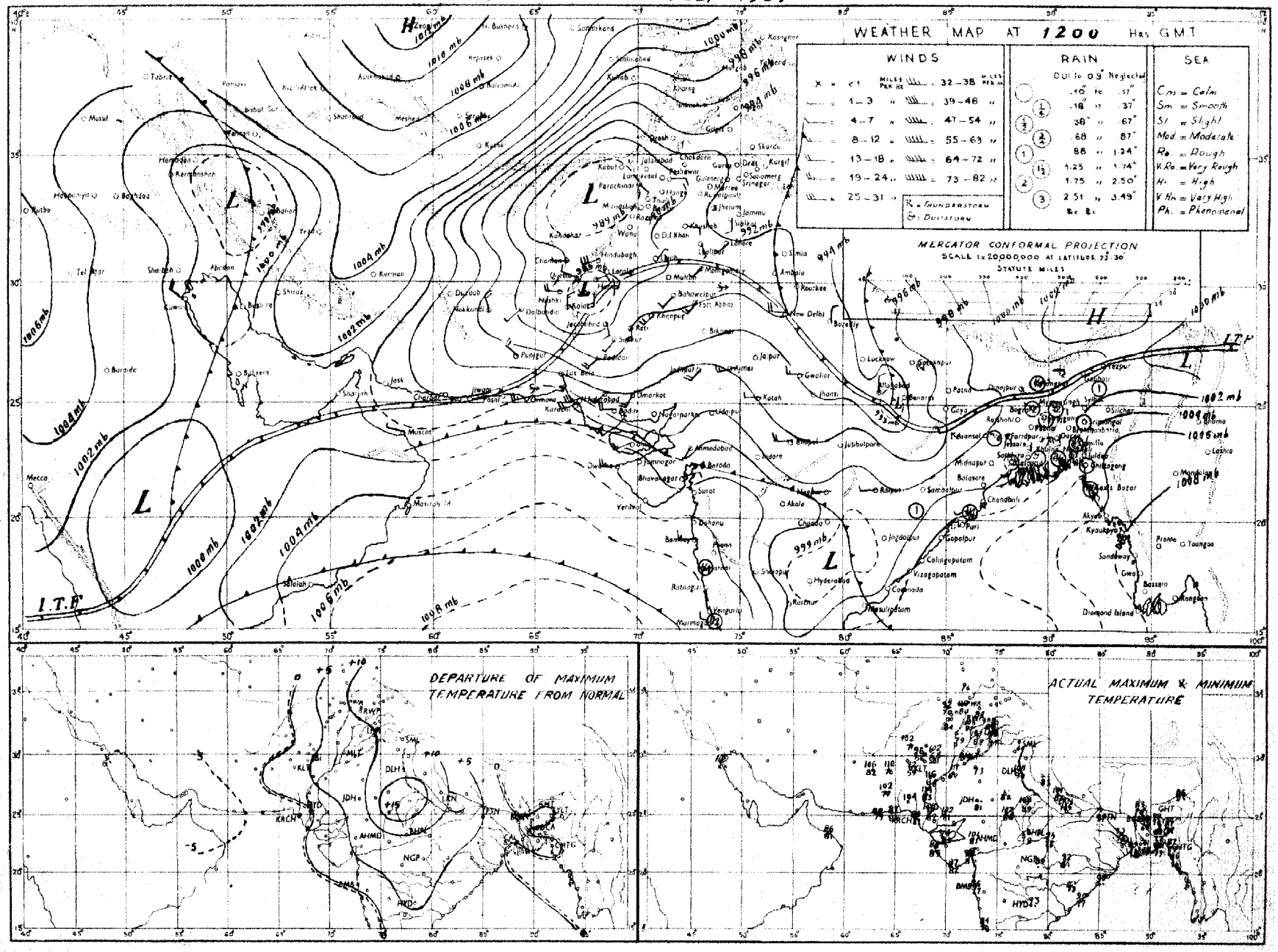
SCALE—256 MILES=1"

SCALE—430 MILES=1"

* Data not available.

PAKISTAN DAILY WEATHER MAP

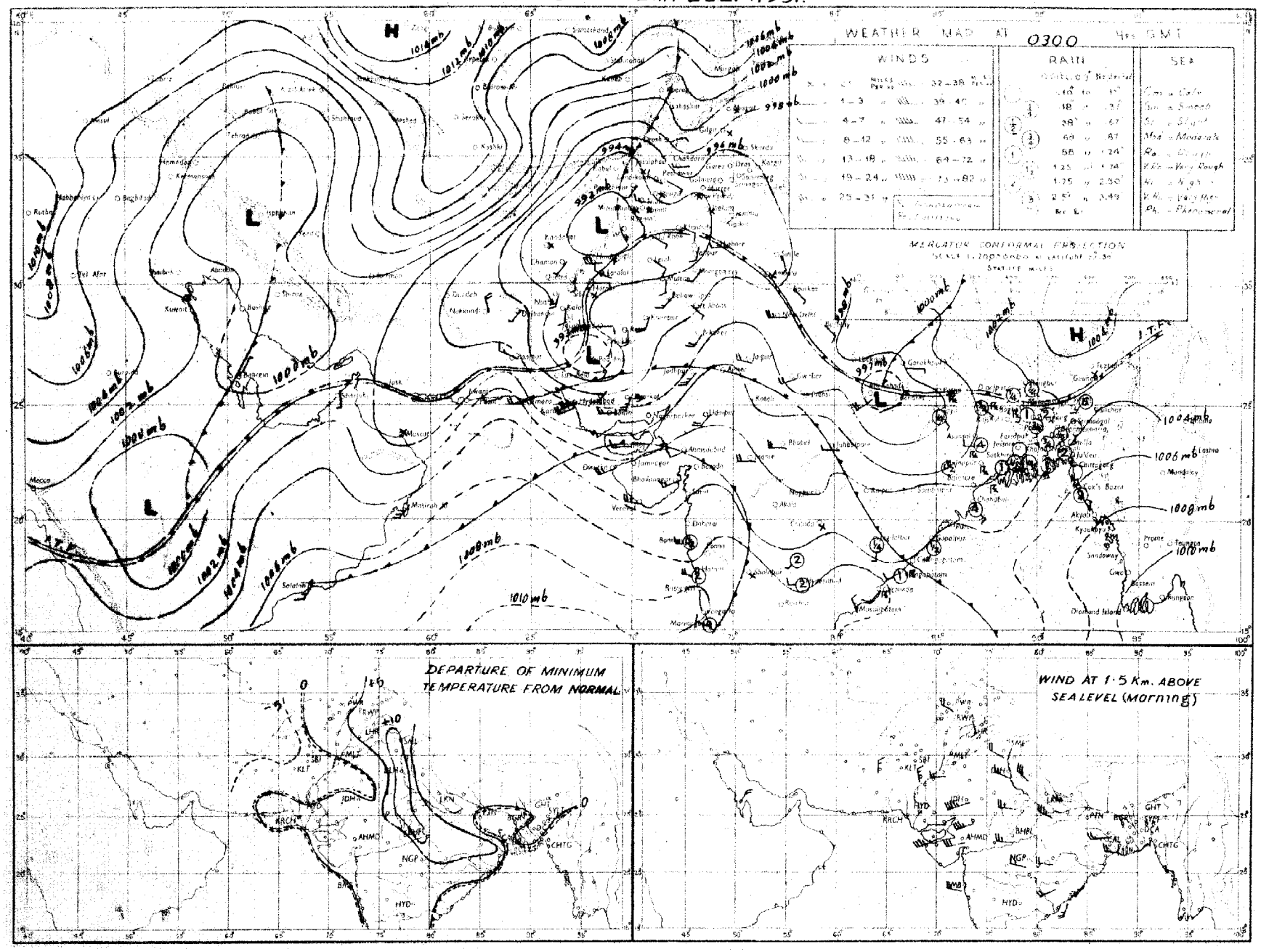
WEDNESDAY 11th JULY 1951



Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER MAP

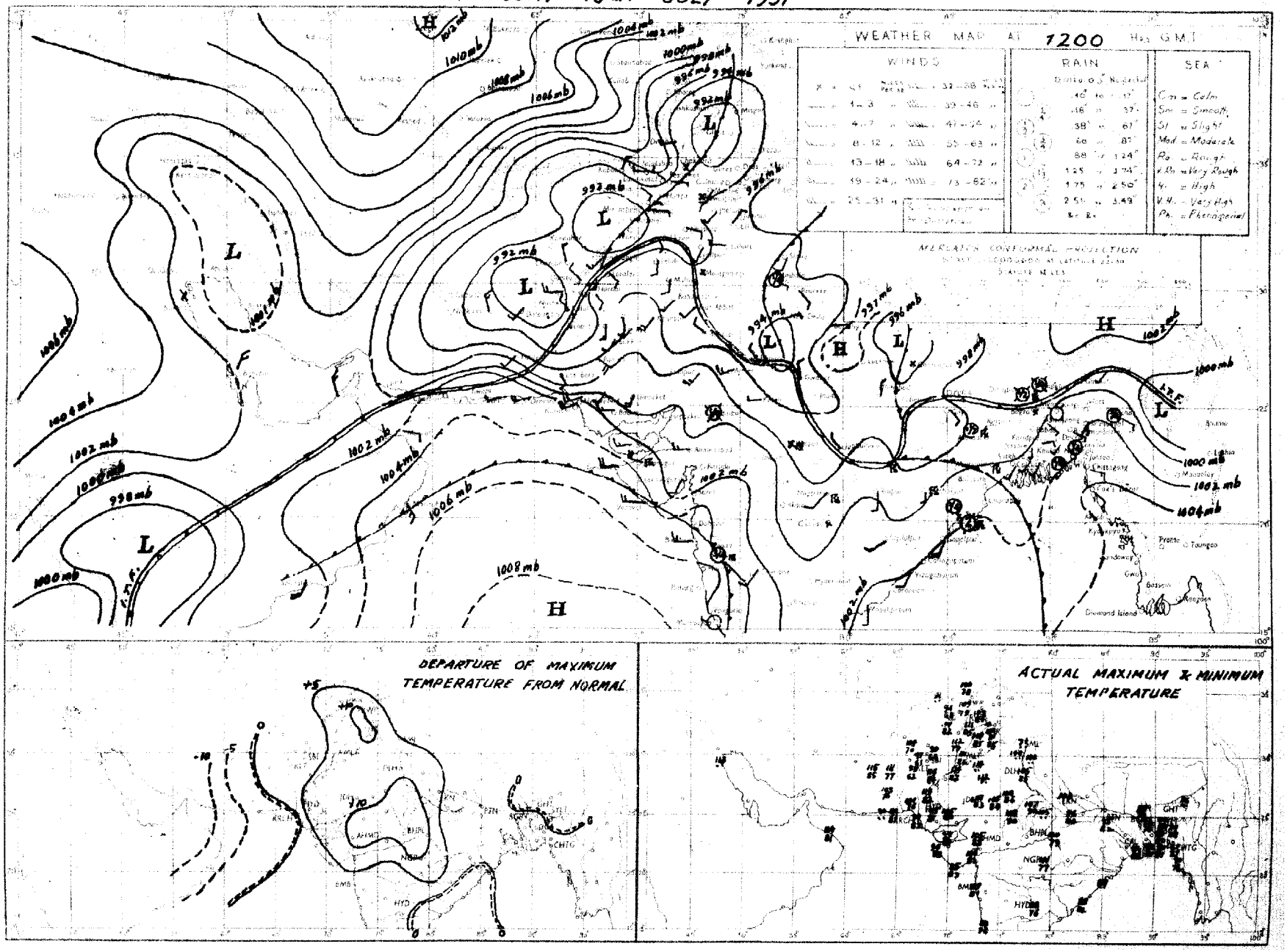
THURSDAY 12th: JULY. 1951.



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

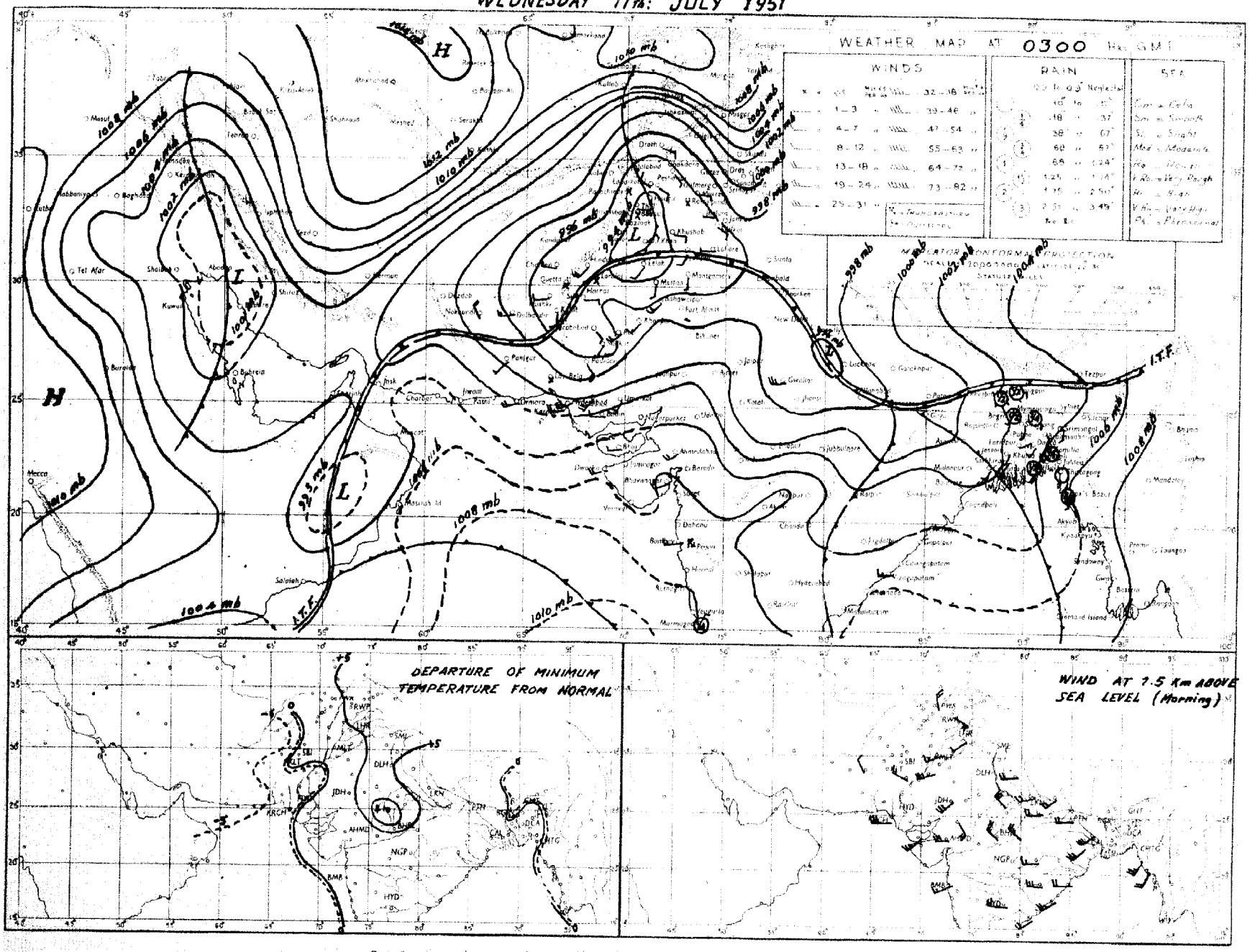
TUESDAY 10th JULY 1951



Rainfall amounts indicated in the above chart refer to past 9 hours

PAKISTAN DAILY WEATHER MAP

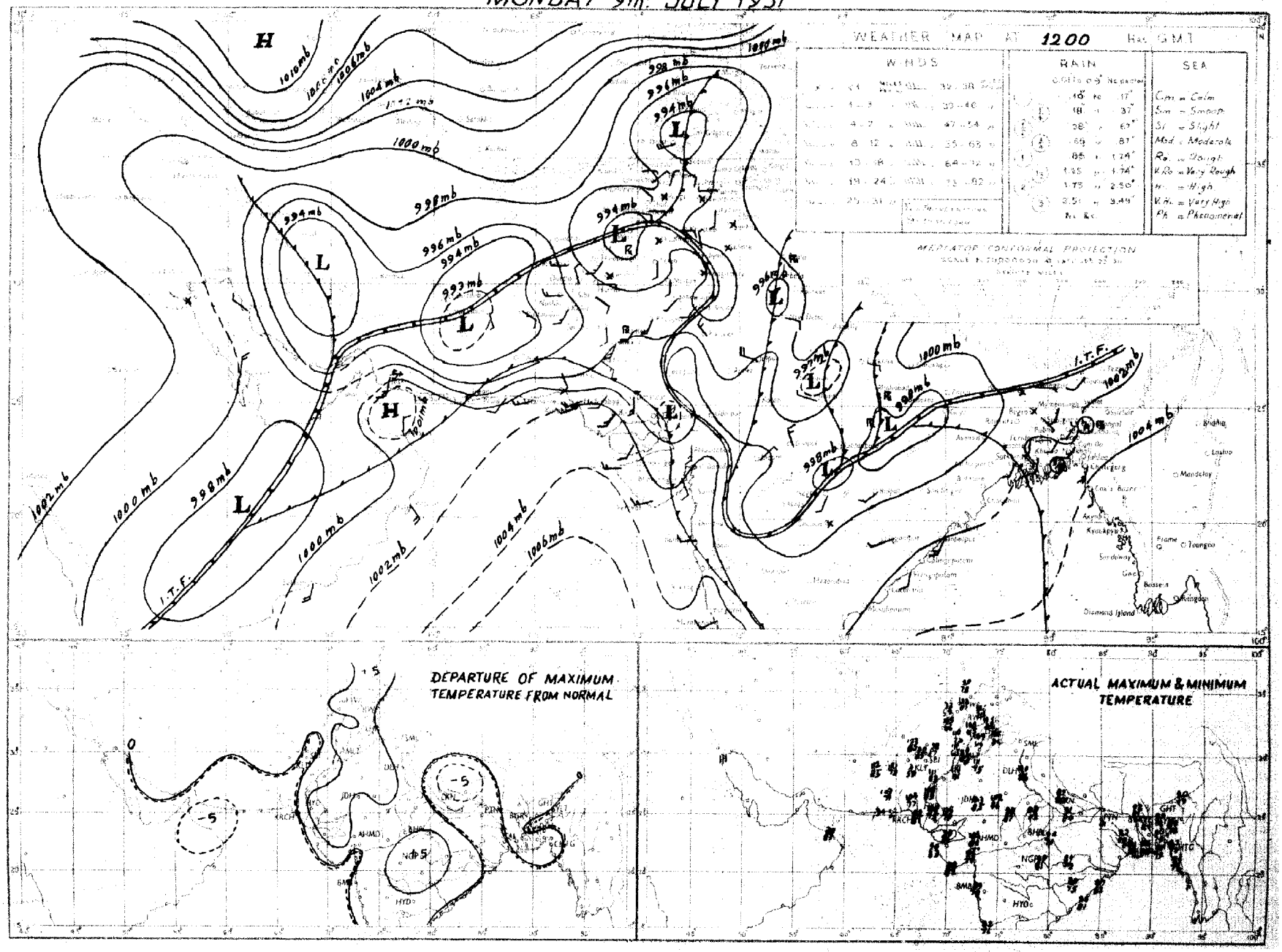
WEDNESDAY 11th: JULY 1951



Rainfall amounts indicated in the above chart refer to past 24 hours

PAKISTAN DAILY WEATHER MAP

MONDAY 9th: JULY 1951



Rainfall amounts indicated in the above chart refer to past 9 hours.

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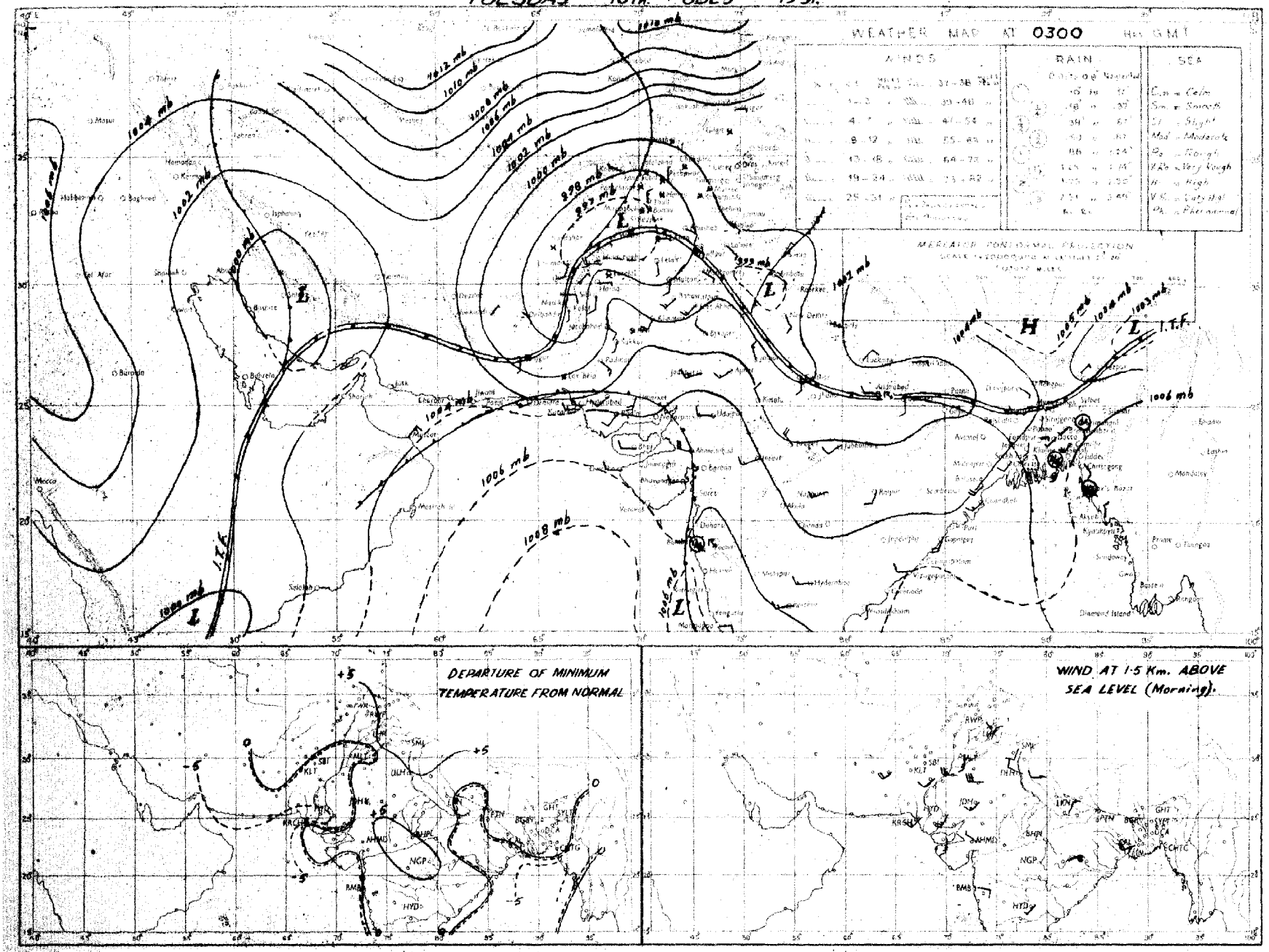
PAKISTAN DAILY WEATHER MAP

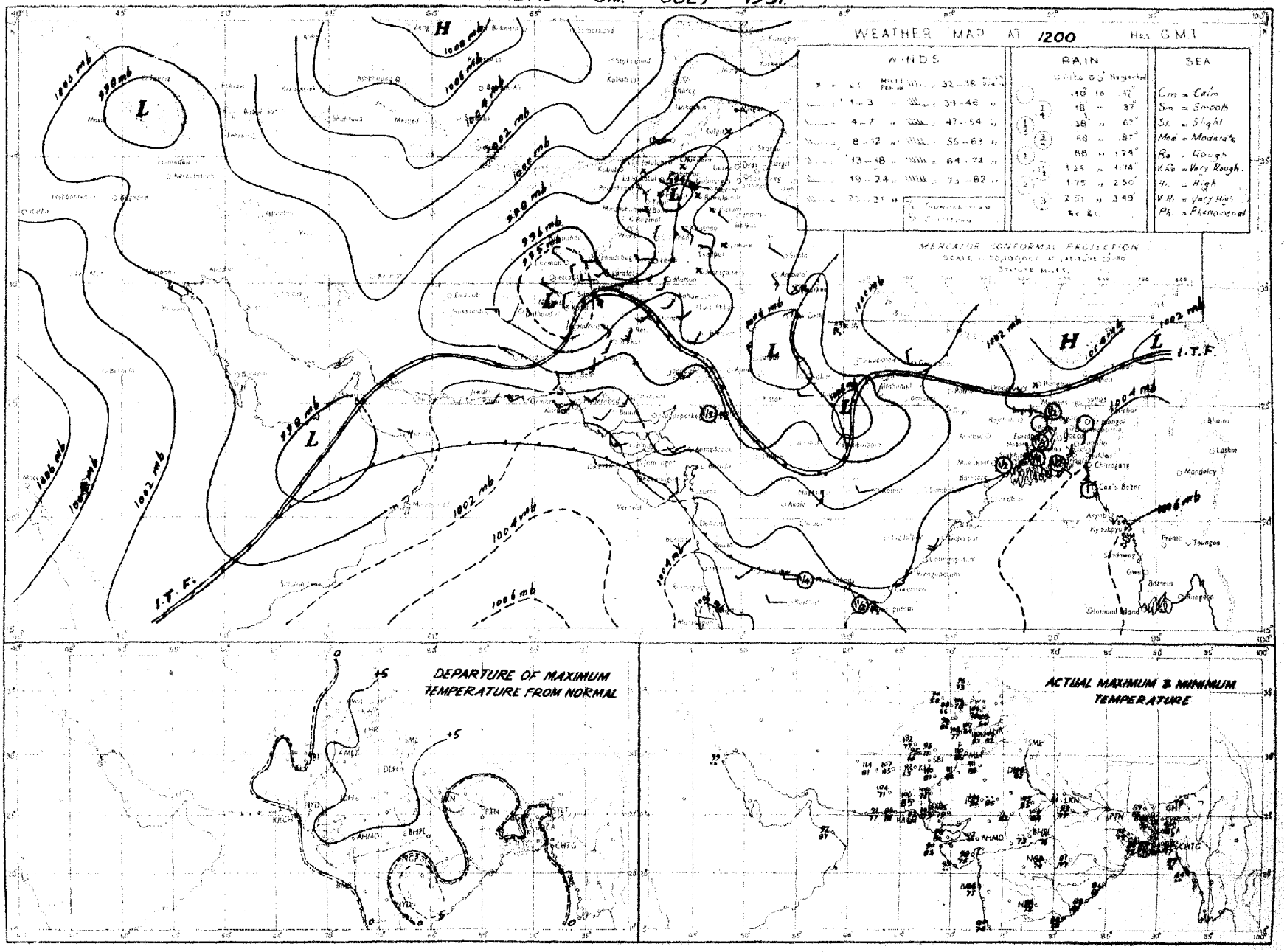
TUESDAY 10th. JULY 1951.



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

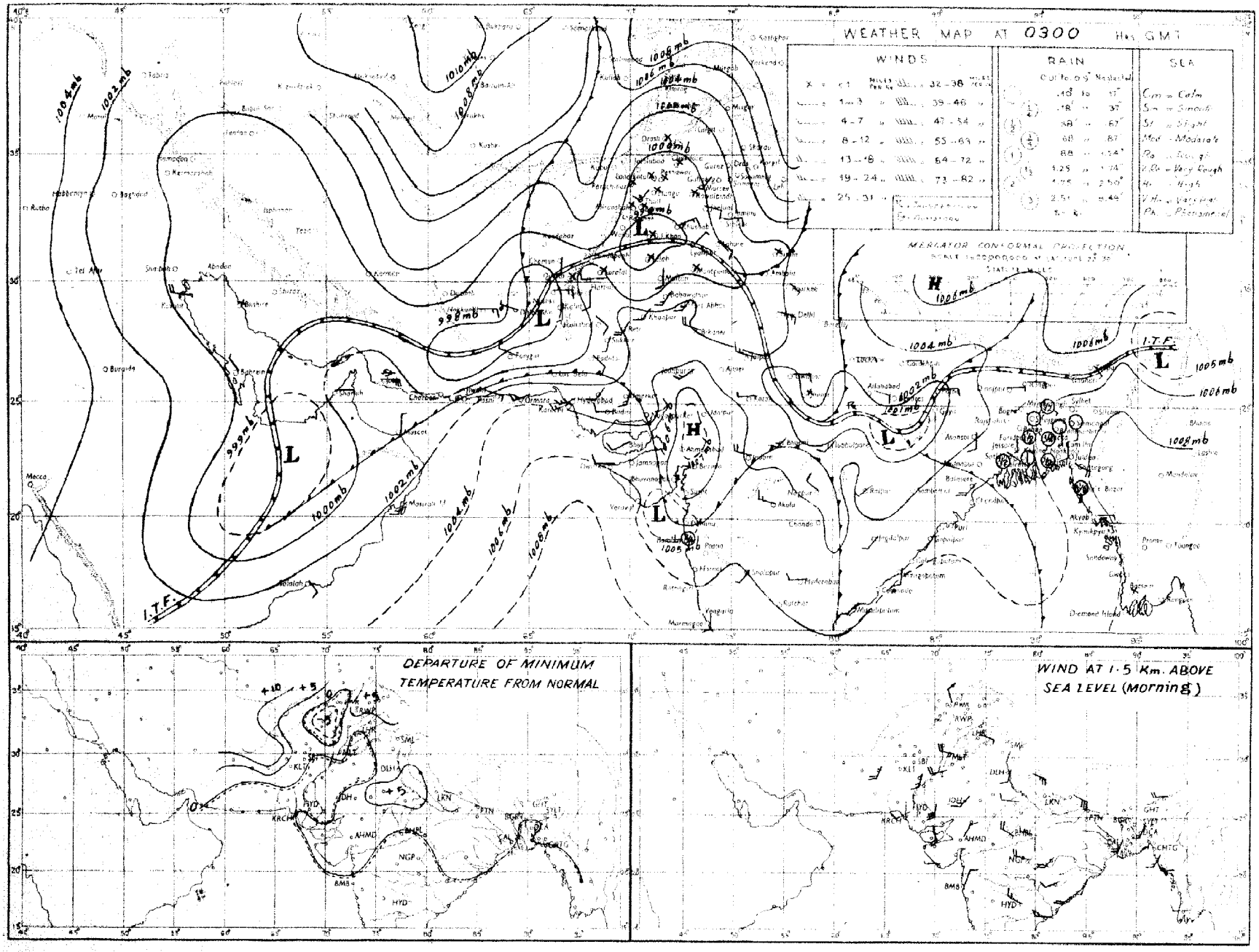
SUNDAY 8th. JULY 1951.



Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER MAP

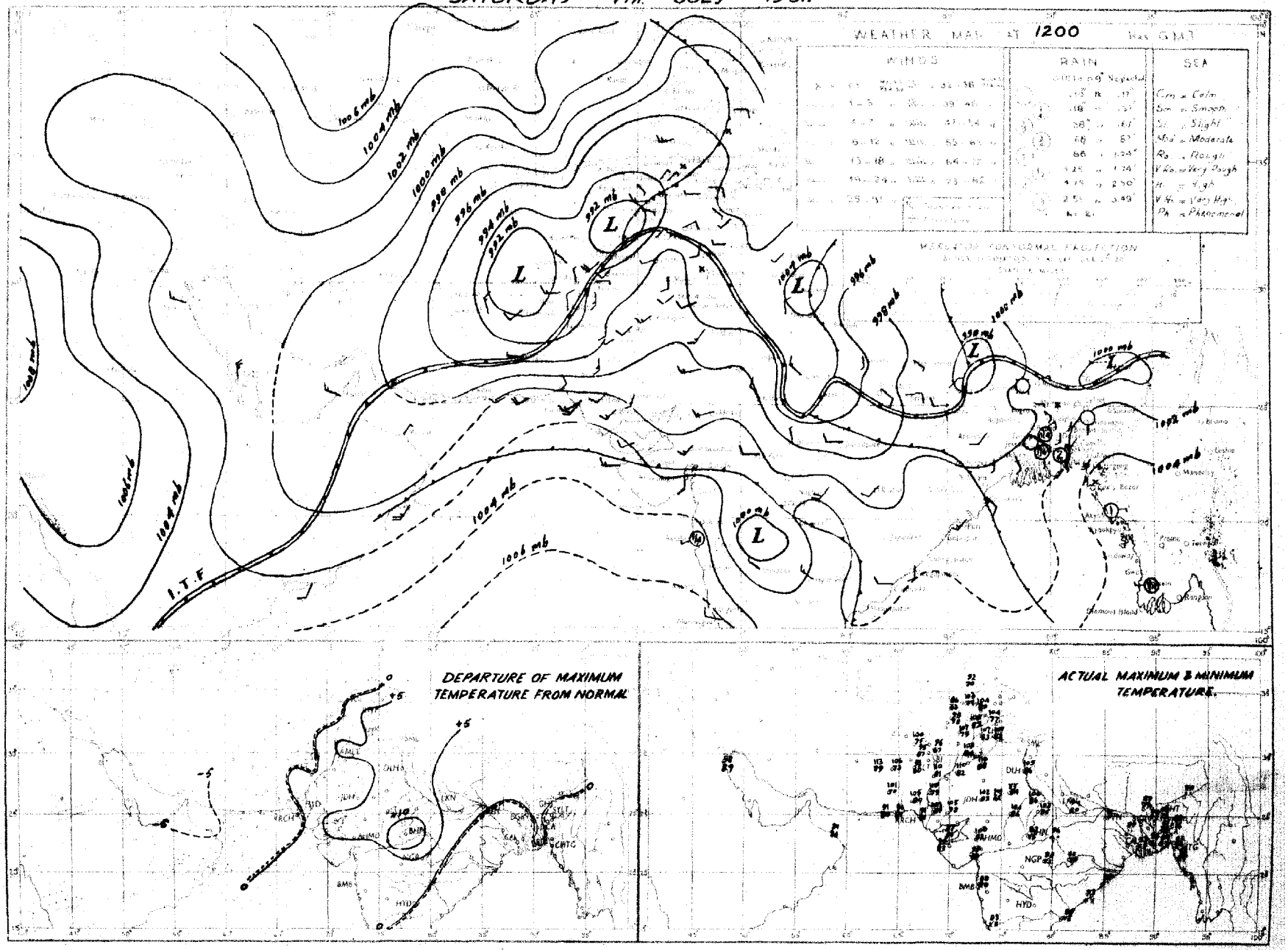
MONDAY 9th: JULY 1951



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

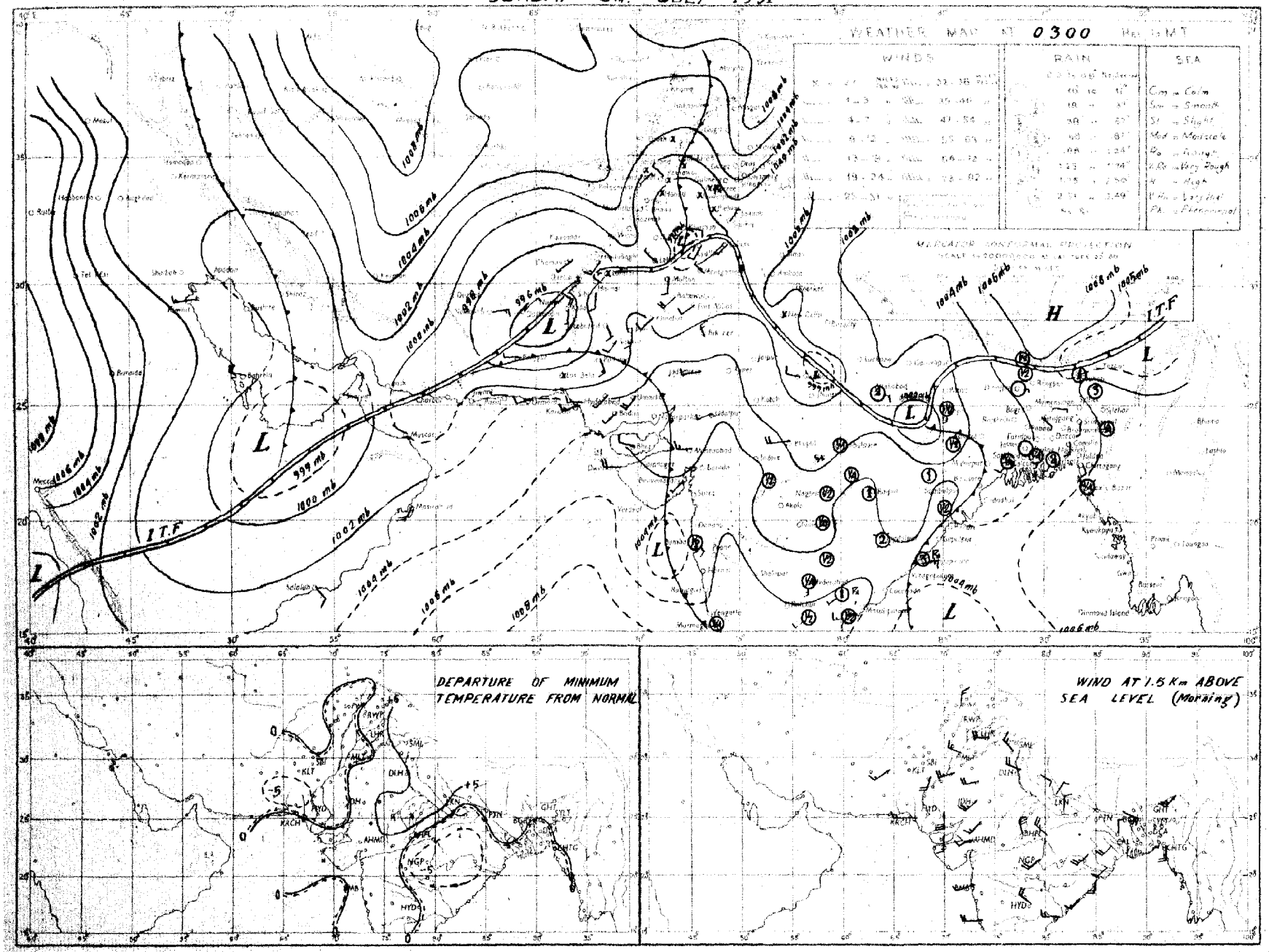
SATURDAY 7th. JULY 1951.



Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER MAP

SUNDAY 8th JULY 1951

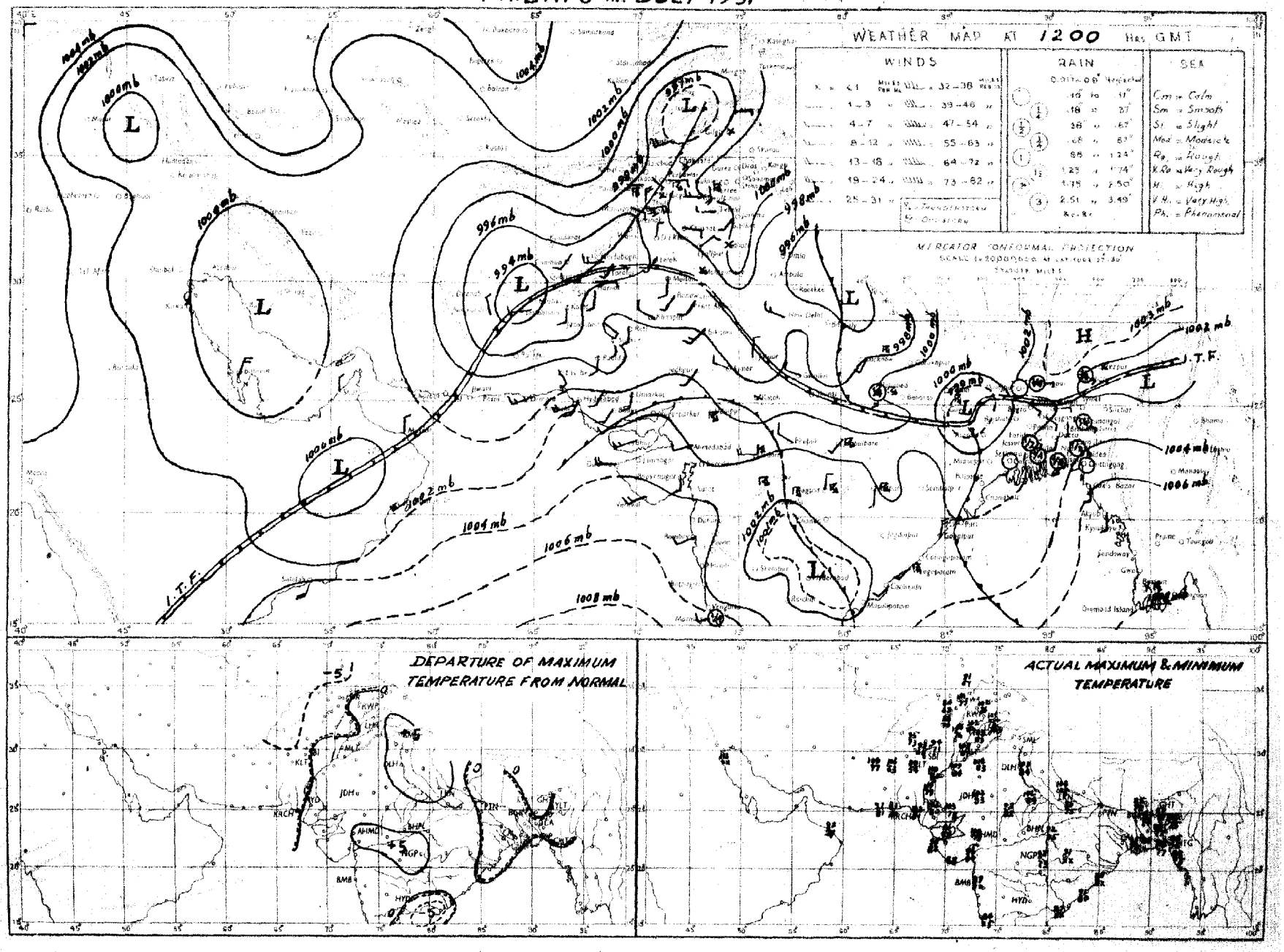


Rainfall amounts indicated in the above chart refer to past 24 hours.

Printed at the Survey of Pakistan Office, Rawalpindi.

PAKISTAN DAILY WEATHER MAP

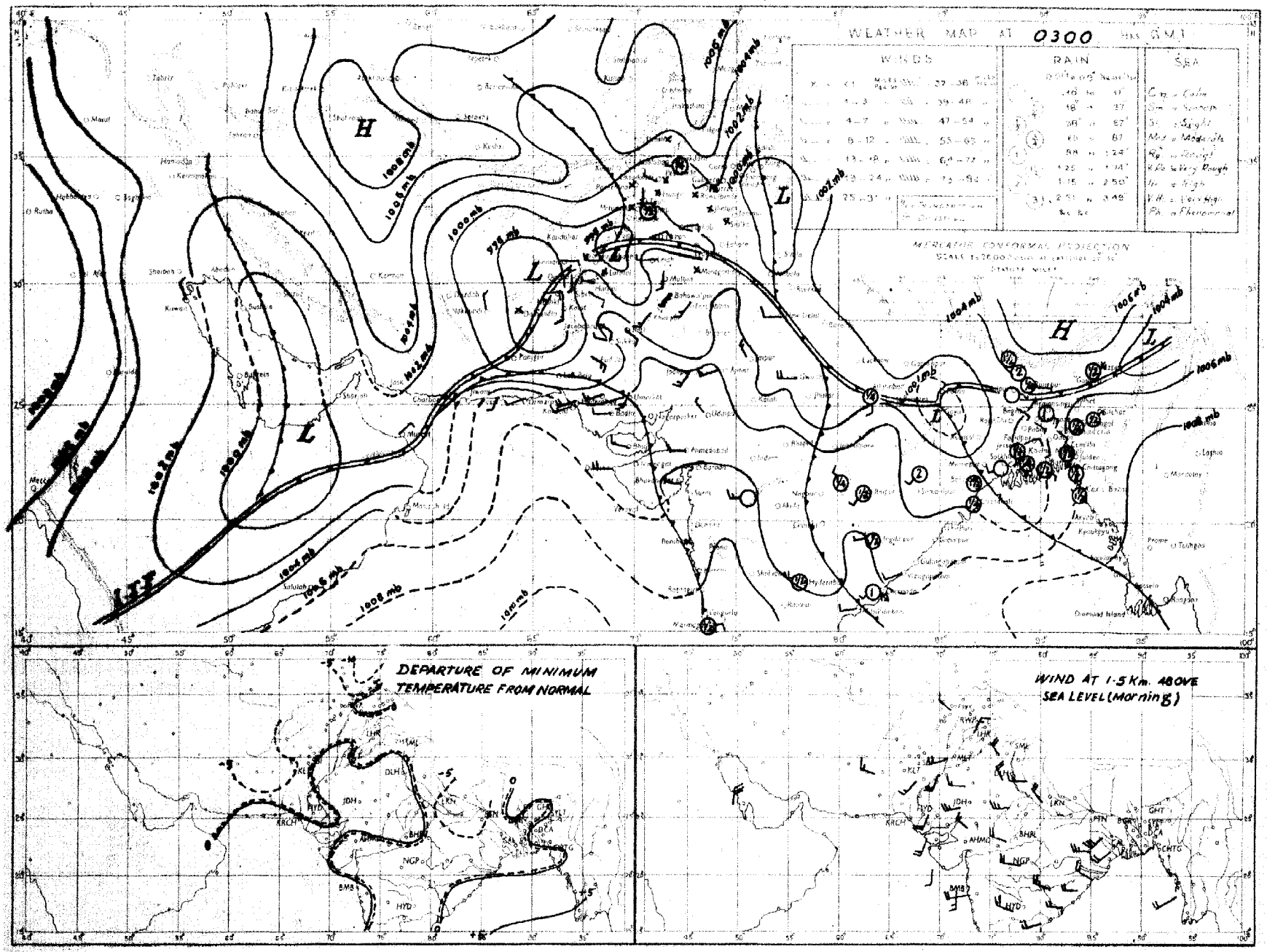
FRIDAY 6 th: JULY 1951



Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER MAP

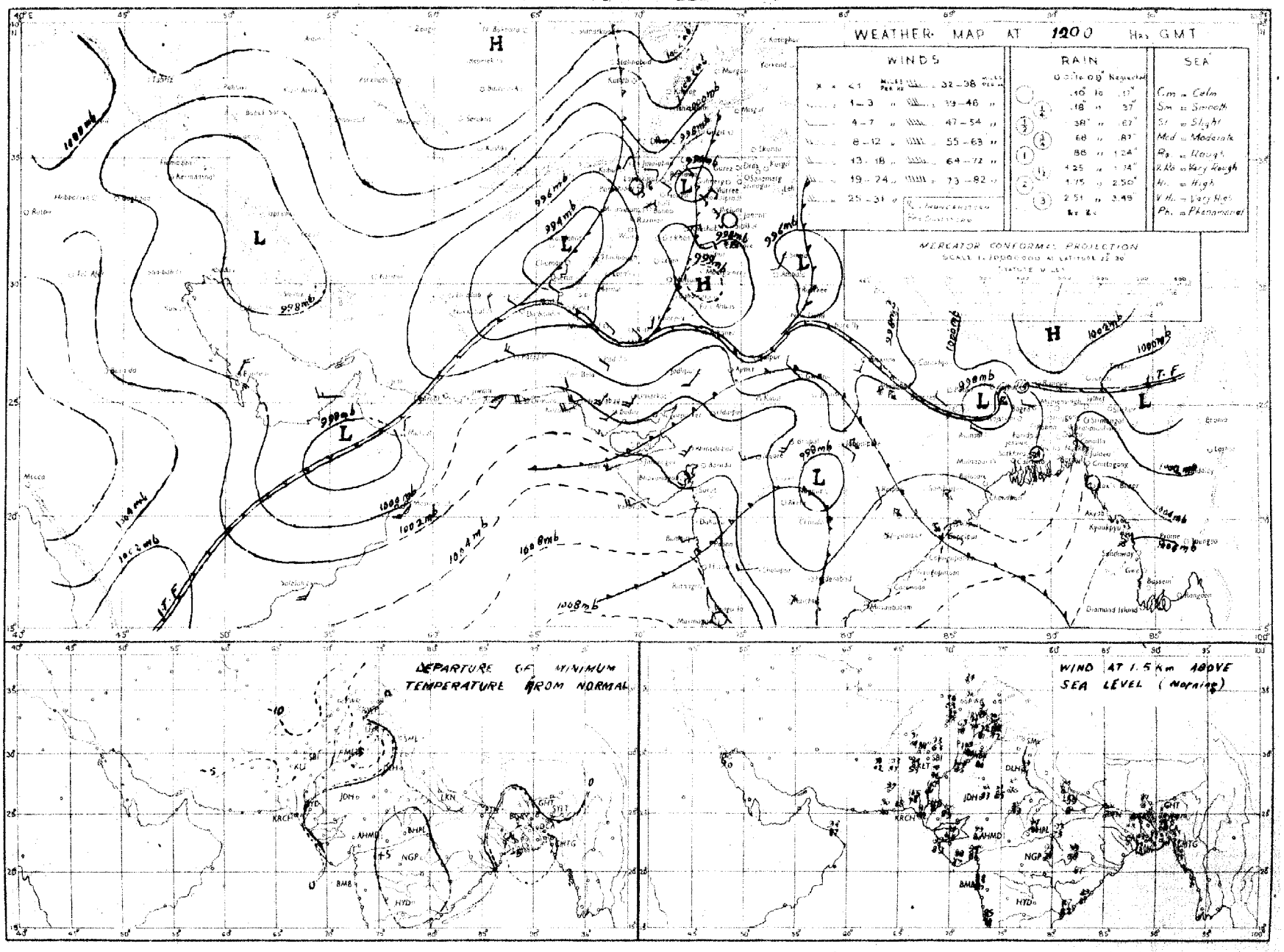
SATURDAY 7th: JULY 1951



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

THURSDAY 5th JULY 1951



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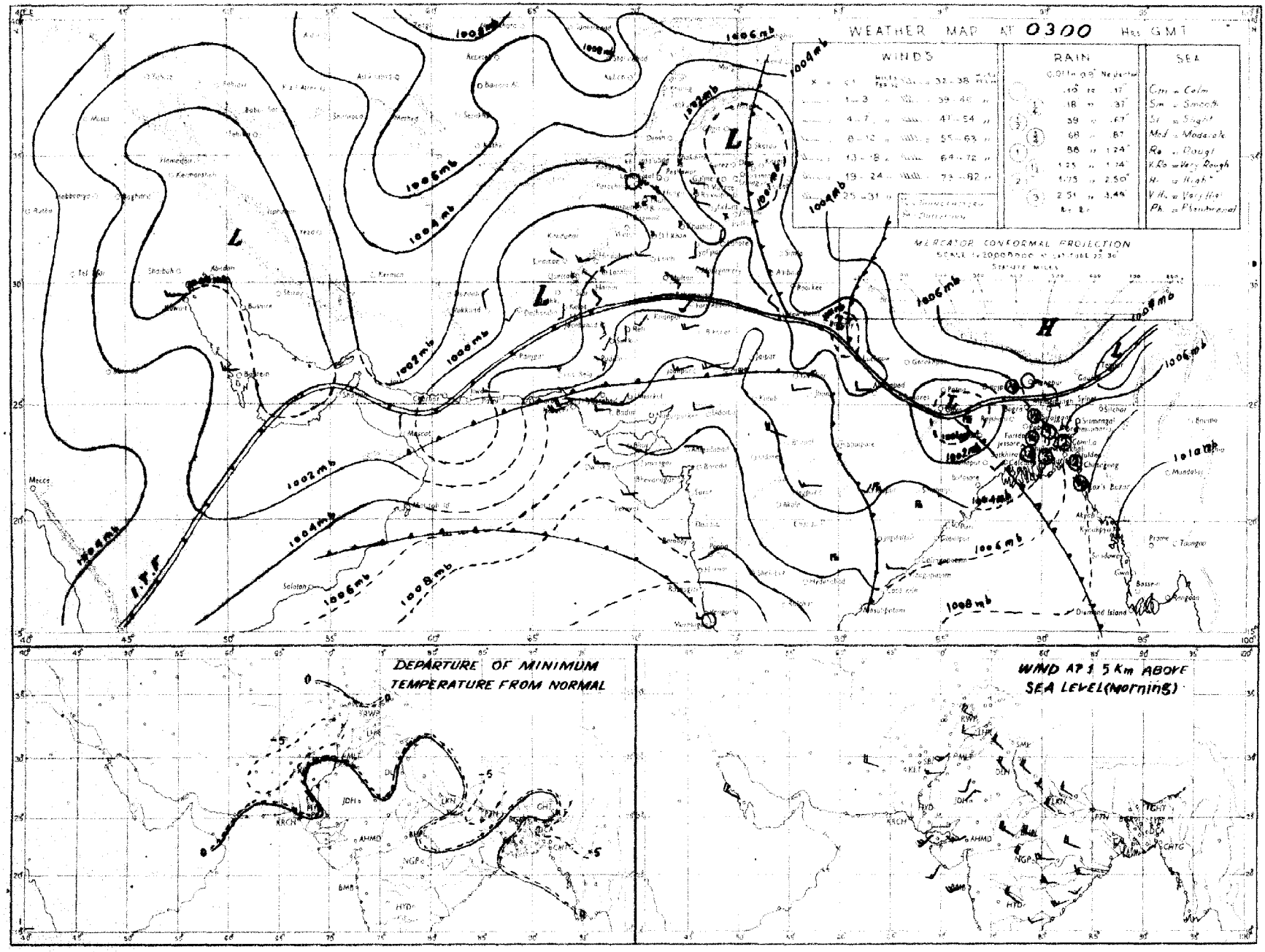
PAKISTAN DAILY WEATHER MAP

FRIDAY 6th JULY 1951



Rainfall amounts indicated in the above chart refer to past 24 hours.

Regd. No. S-1451

WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G. M. T. on Wednesday, the 18th July 1951.

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WEATHER BUREAU

SUMMARY OF WEATHER.

Seasonal low became well marked over West Pakistan where fairly widespread duststorms and dustraising winds occurred on the first two days of the week.

During the week three low pressure waves moved eastwards across Kashmir and the adjoining areas of West Pakistan and a secondary low, across northeast Baluchistan and upper Sind. They were responsible for (1) local thunderstorms/showers in the upper North-West Frontier Province and the Punjab on the 13th, 14th and 18th and (2) a few thunderstorms/showers in northeast Baluchistan and upper Sind on the 14th.

Monsoon was active in East Pakistan throughout the week.

Some of the noteworthy amounts of rainfall recorded during the week were: - Comilla, Cox's Bazar and Mymensingh 2" each, Barisal and Bogra 1" each on the 12th; Chittagong 5", Cox's Bazar and Comilla 3" each, Jessore 1½", Srimangal 1", Murree ¾", Jhelum and Khushab ½" each on the 13th; Rangpur 3", Comilla 2", Lyallpur, Lahore and Sialkot ½" each on the 14th; Rangpur 2", Chittagong and Dinajpur 1½" each, Multan 1" on the 15th; Comilla 3", Rangpur 2", Khulna 1½" on the 16th; Khulna 2", Rangpur 1" on the 17th; Faridpur 3", Satkhira 1½". Murree 1", Chakdara and Cherat ½" each on the 18th.

Day temperatures were markedly to considerably above normal in the North West Frontier Province, the Punjab and upper Sind on the 11th and appreciably to markedly above normal in the Punjab on the last three days. They were generally appreciably to markedly below normal in West Pakistan on the 13th and 14th and in East Pakistan on the 12th and 13th.

2. EAST PAKISTAN: Nearly general rain occurred on five days each in the Eastern and Deltaic sub-divisions and on four days in the Northern sub-division. It occurred locally on two days each in the Eastern and Northern sub-divisions and on one day in the Deltaic sub-division. A few falls were also recorded in the Deltaic and Northern sub-divisions on one day each.

KASHMIR: Data not available.

PUNJAB: Local rain occurred in the north Punjab on two days. A few falls were also recorded over the hills of the north Punjab on the 18th and in the south Punjab on the 15th.

NORTH-WEST FRONTIER PROVINCE: A few falls were recorded mainly over the hills on three days.

BALUCHISTAN: A few falls occurred in north Baluchistan on one day.

SIND: A few showers were recorded on the 14th.

JUNAGADH: Data not available.

3. The week's rainfall was in excess in East Pakistan. It was deficient in the south Punjab and north Baluchistan and scanty in the north Punjab, the North-West Frontier Province and Sind. No rain fell in south Baluchistan.

Rainfall for the period from 1st June 1951 to date was in excess in the Northern sub-division and normal in the Eastern and Deltaic sub-divisions of East Pakistan. It was deficient in the Punjab and scanty elsewhere.

4. The table overleaf summarises the rainfall statistics for the eleven sub-divisions of Pakistan both for the week and for the period from 1st June 1951 to date.

KARACHI-11.
The 18th July 1951.

MOHAMMAD SHABBAR,
for Director, Meteorological Service.

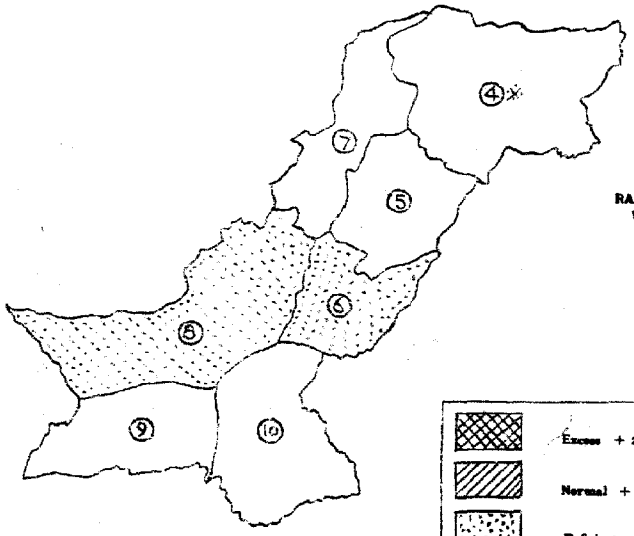
WEEKLY WEATHER REPORT

Division	Rainfall for week ending on 18th July, 1951.			Rainfall for period from 1-6-1951 to 18th July, 1951.			
	Actual †	Normal	Excess or defect	Actual †	Normal	* Excess or defect	
						Inches	Per cent
1	2	3	4	5	6	7	8
1. East Pakistan (East)	5.1	3.7	+ 1.4	34.9	29.4	+ 5.5	+ 19
2. East Pakistan (Deltaic)	4.3	2.9	+ 1.4	19.6	20.8	- 1.2	- 6
3. East Pakistan (North)	4.0	2.6	+ 1.4	30.9	22.7	+ 8.2	+ 36
4. Kashmir ††	....	....	....	....	....	....	....
5. North Punjab	0.5	1.3	- 0.8	2.1	4.9	- 2.9	- 58
6. South Punjab	0.3	0.4	- 0.1	0.9	1.7	- 0.9	- 50
7. N. W. F. P.	0.1	0.4	- 0.3	0.6	1.6	- 0.9	- 61
8. North Baluchistan	0.1	0.3	- 0.1	0.1	0.9	- 0.7	- 84
9. South Baluchistan	0	0.2	- 0.2	0	0.5	- 0.5	- 100
10. Sind	0	0.7	- 0.7	0	2.0	- 2.0	- 99
11 Junagadh ††	....	....	....	....	....	....	....

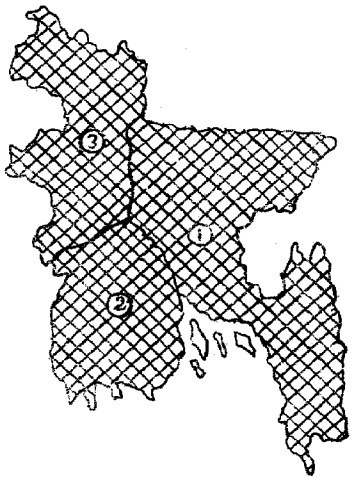
* In the calculation of excesses and defects, and their percentages, rainfall figures are taken correct to 0·01".

† Rainfall of stations having no normals is not included.

†† Data not available.



RAINFALL FOR THE WEEK ENDING 18-7-1951



Excess + 20 % or more

Normal + 19% to - 19 %

Deficient - 20% to 59 %

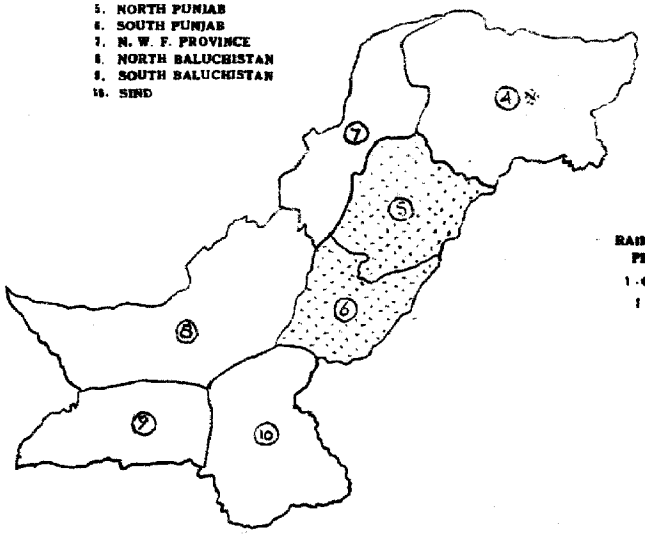
Scanty - 60 % or less

WEST PAKISTAN

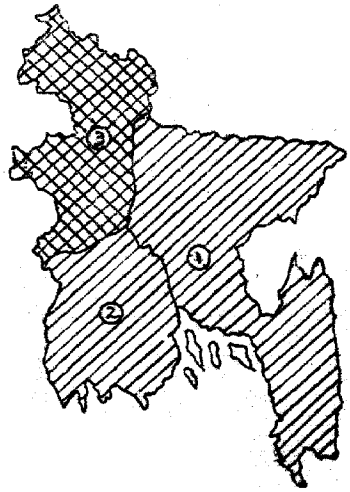
4. KASHMIR
5. NORTH PUNJAB
6. SOUTH PUNJAB
7. N. W. F. PROVINCE
8. NORTH BALUCHISTAN
9. SOUTH BALUCHISTAN
10. SIND

EAST PAKISTAN

1. EAST PAKISTAN (EAST)
2. EAST PAKISTAN (DELTAIC)
3. EAST PAKISTAN (NORTH)



RAINFALL FOR THE PERIOD FROM 1-6-1951 TO 18-7-1951



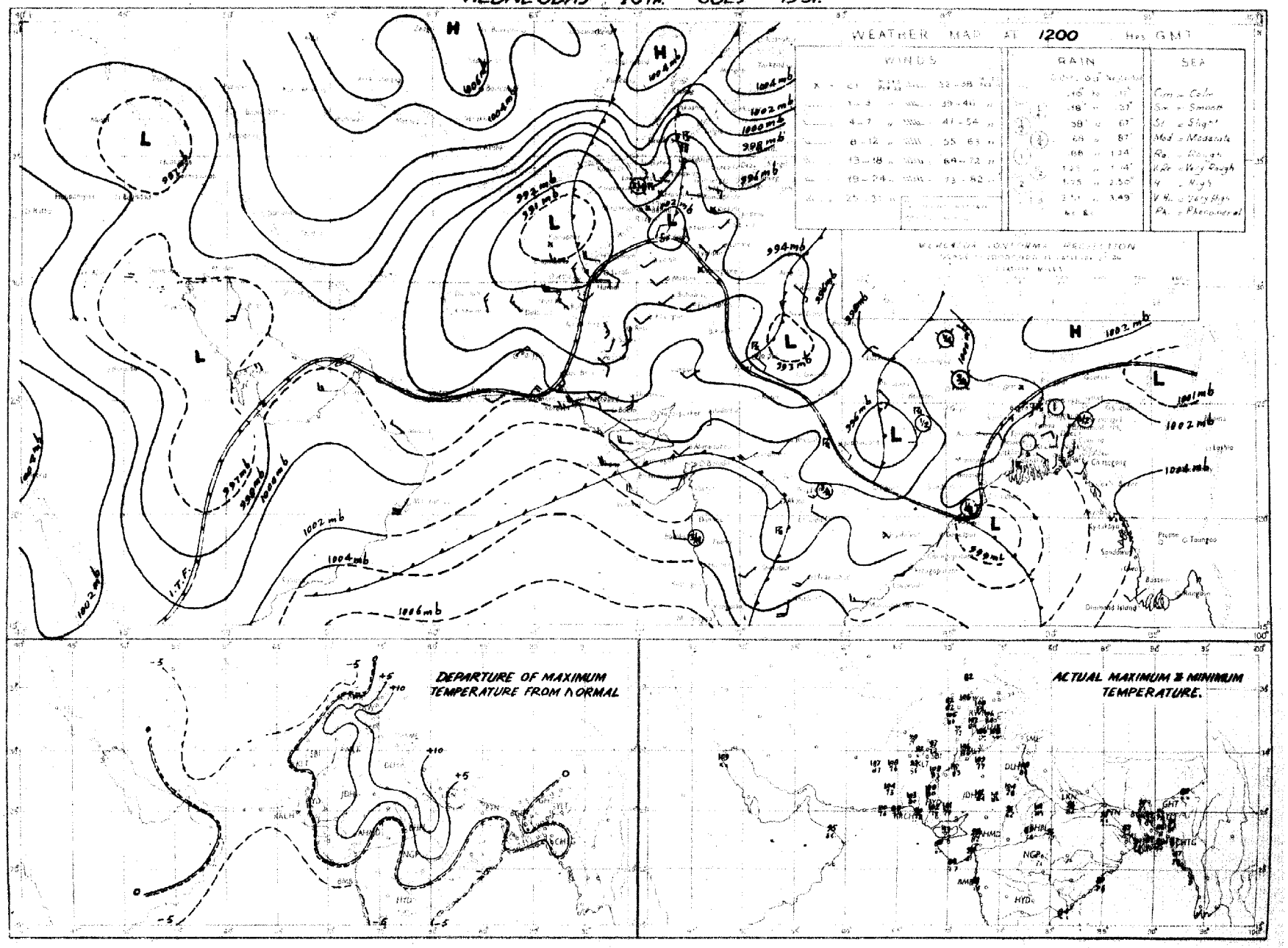
SCALE—250 MILES=1"

SCALE—250 MILES=1"

* Data not available.

PAKISTAN DAILY WEATHER MAP

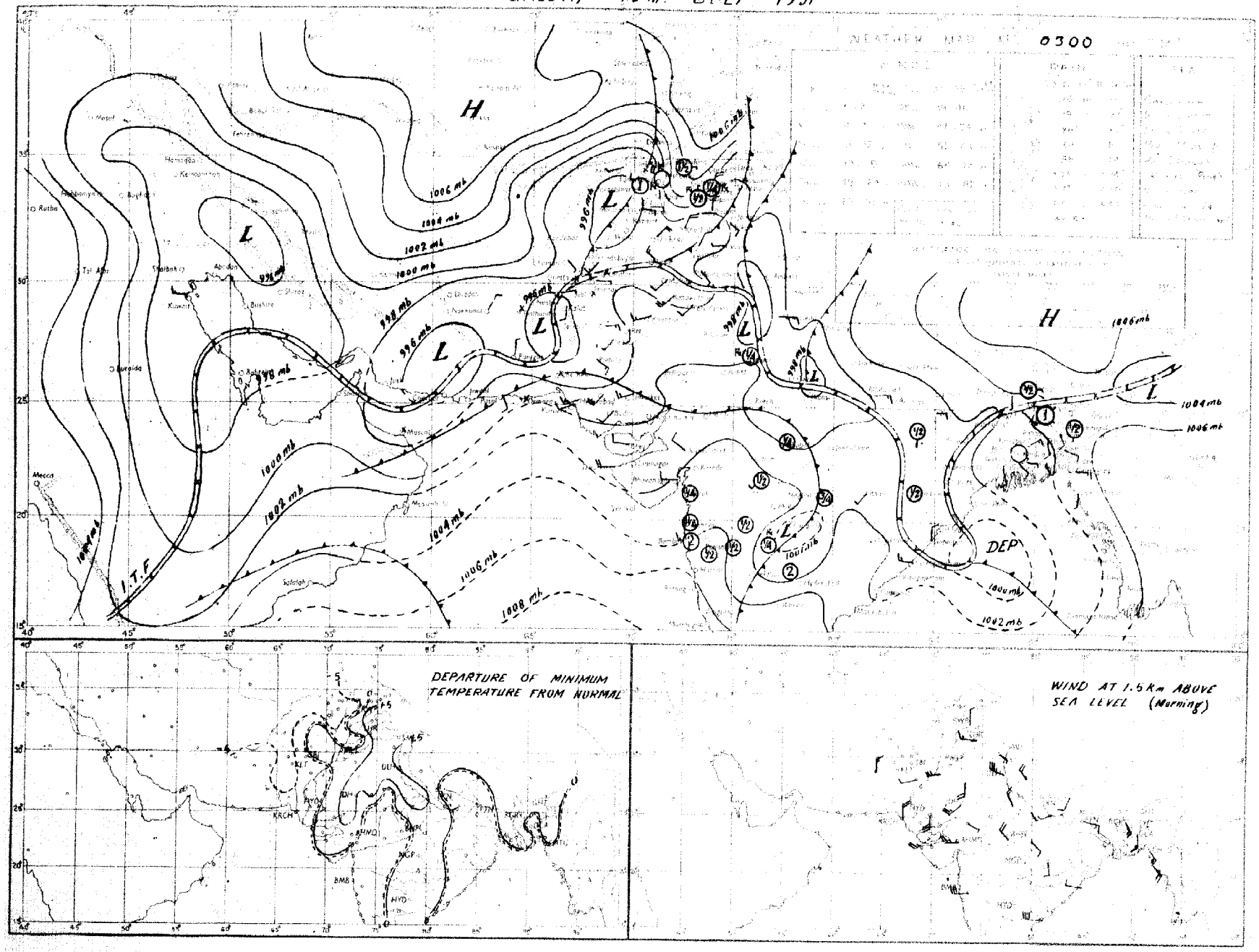
WEDNESDAY 18th JULY 1951.



Rainfall amounts indicated in the above map refer to past 9 hours.

PAKISTAN DAILY WEATHER MAP

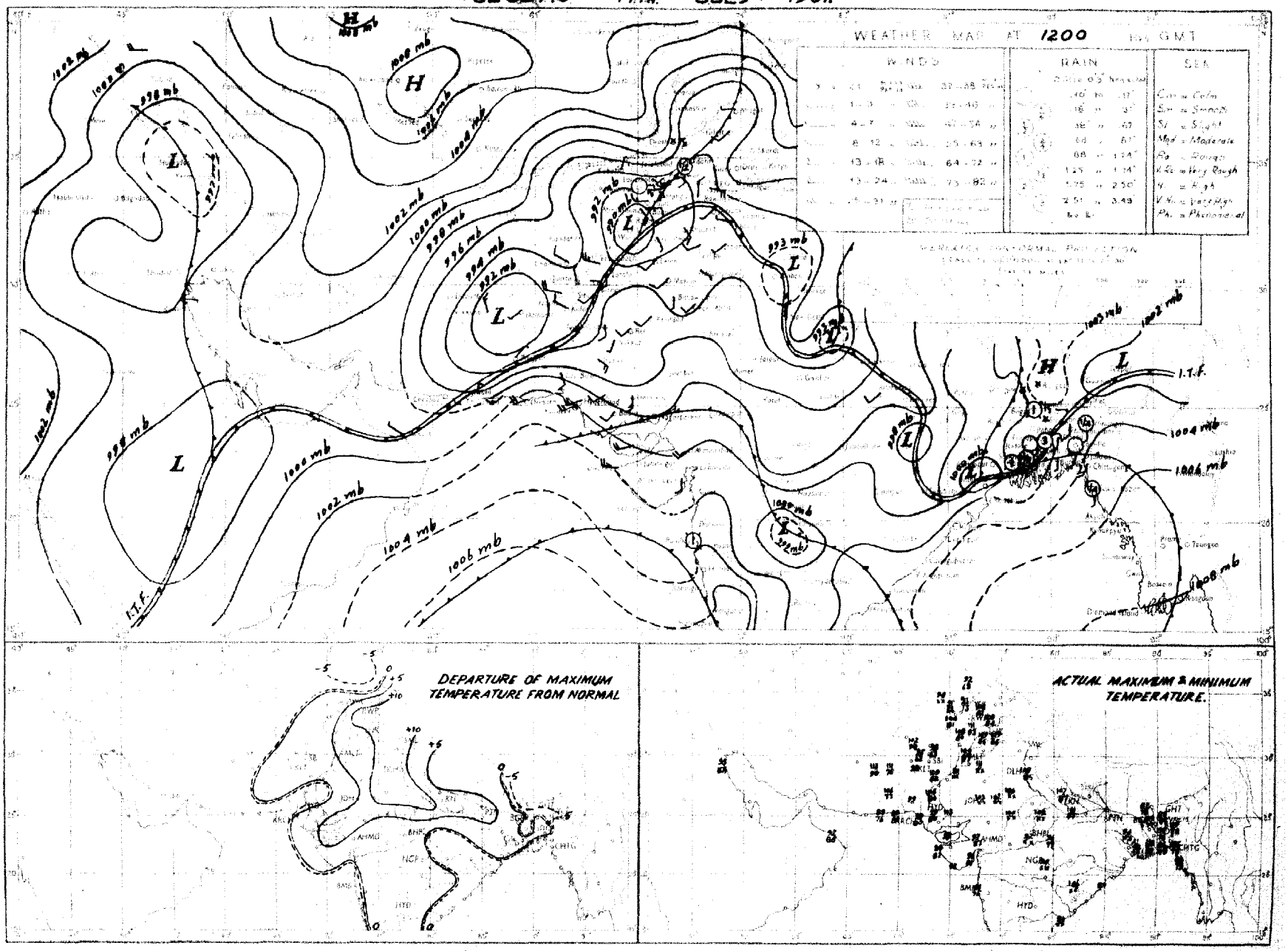
THURSDAY 19th JULY 1951



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

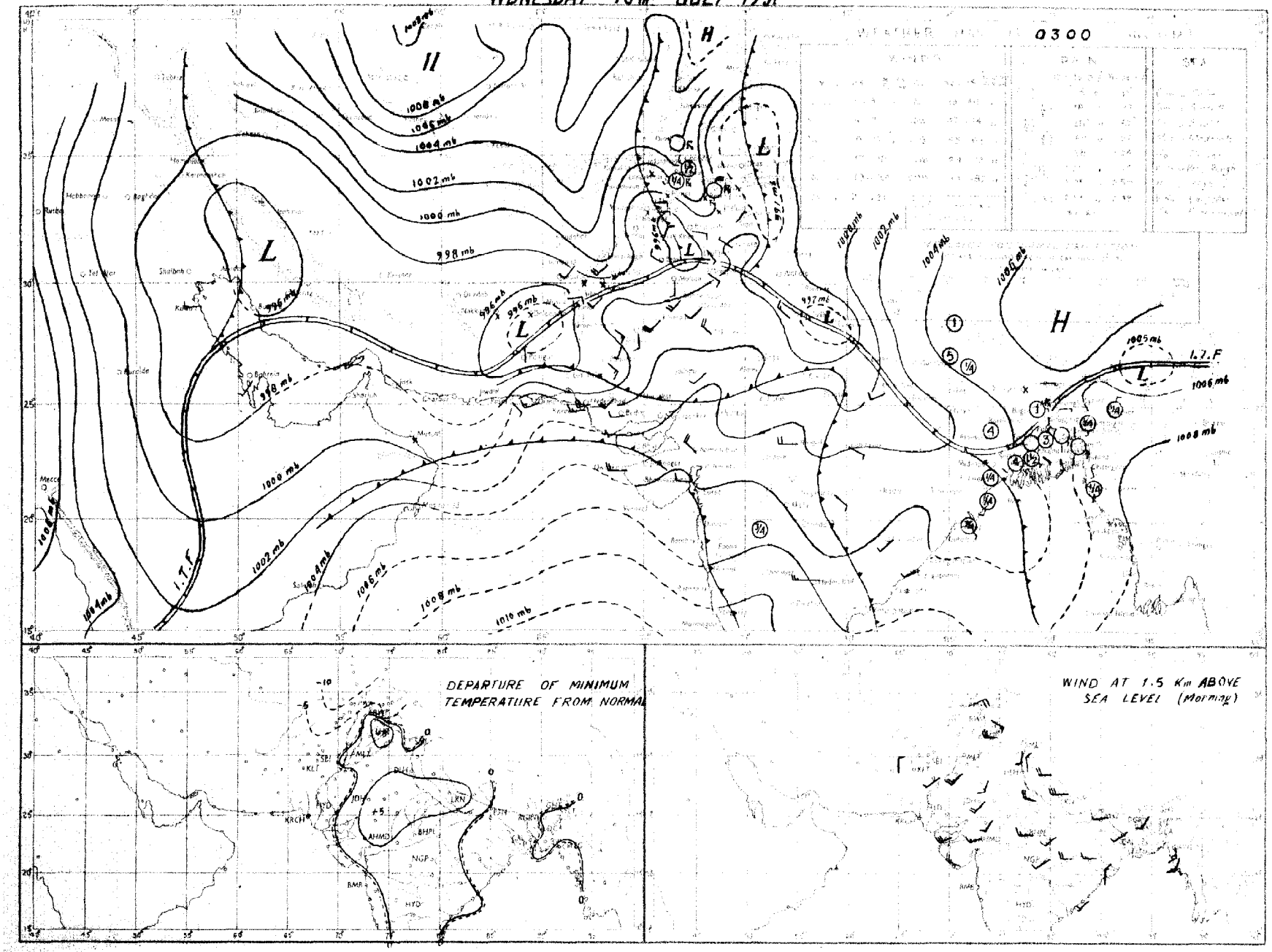
TUESDAY 17th. JULY 1951.



Rainfall amounts indicated in the above chart refer to past 9 hours

PAKISTAN DAILY WEATHER MAP

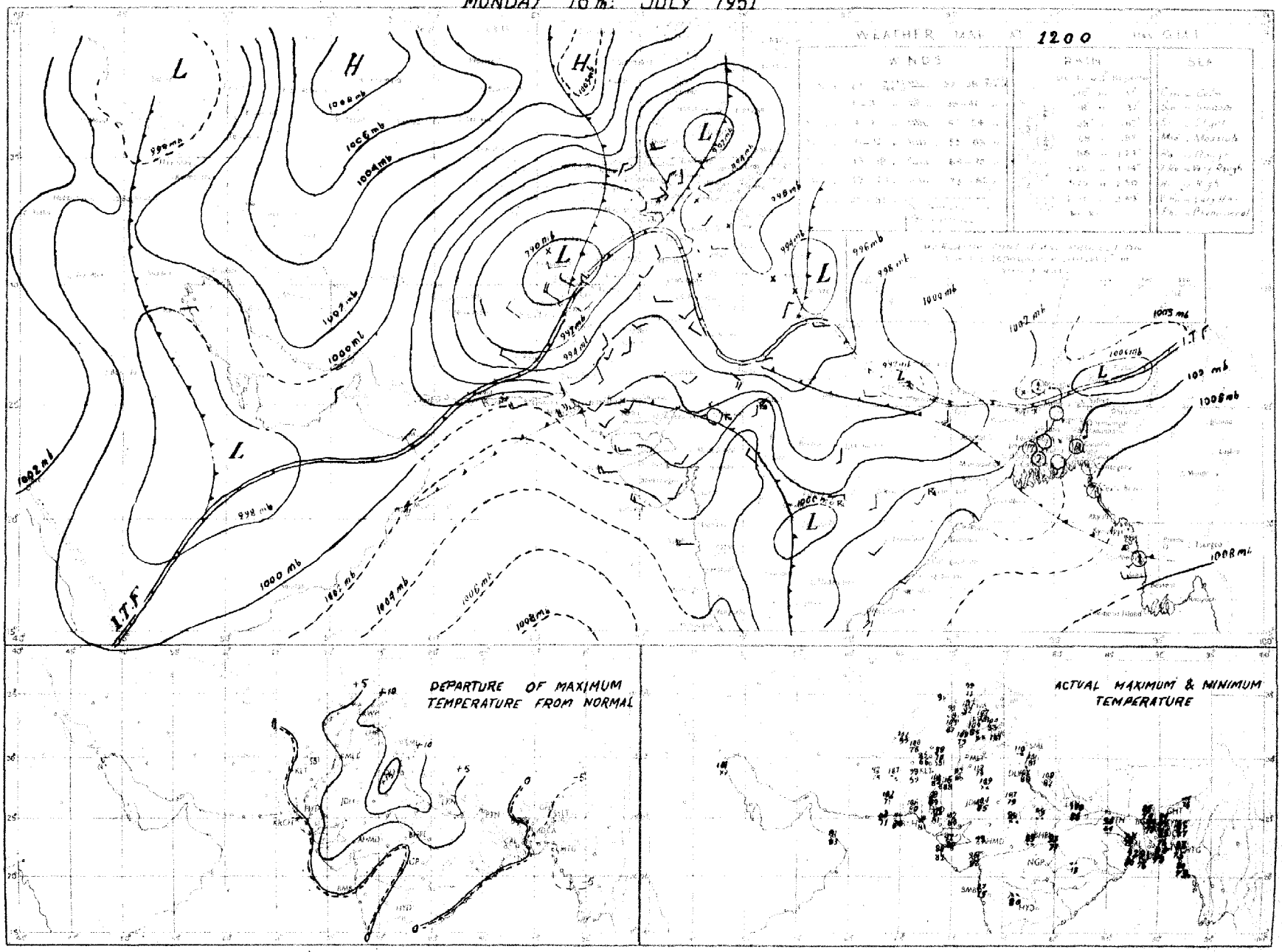
WDNESDAY 18th JULY 1951



Rainfall amounts indicated in the above chart refer to past 24 hours.

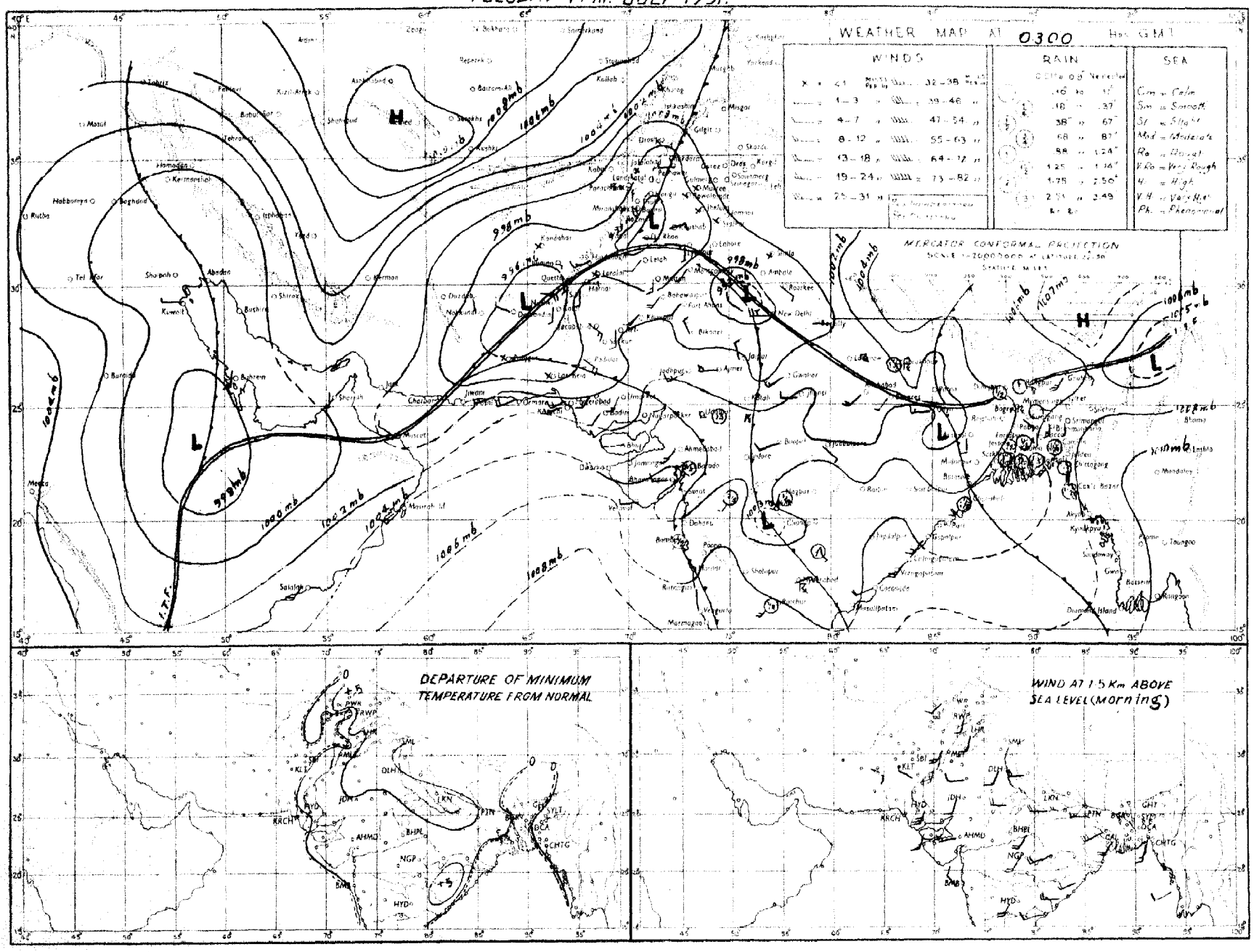
PAKISTAN DAILY WEATHER MAP

MONDAY 16th JULY 1951



PAKISTAN DAILY WEATHER MAP

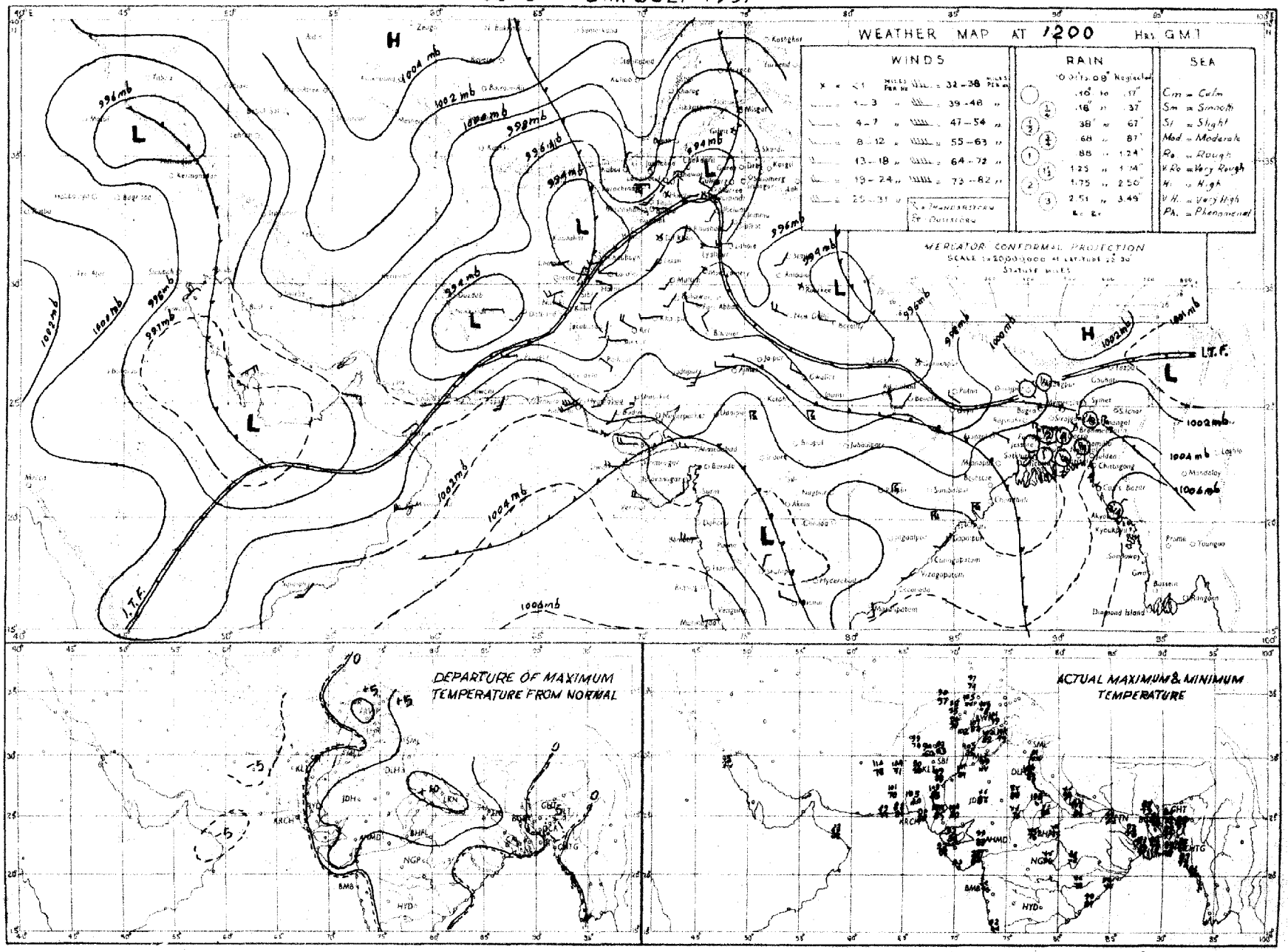
TUESDAY 17th. JULY 1951.



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

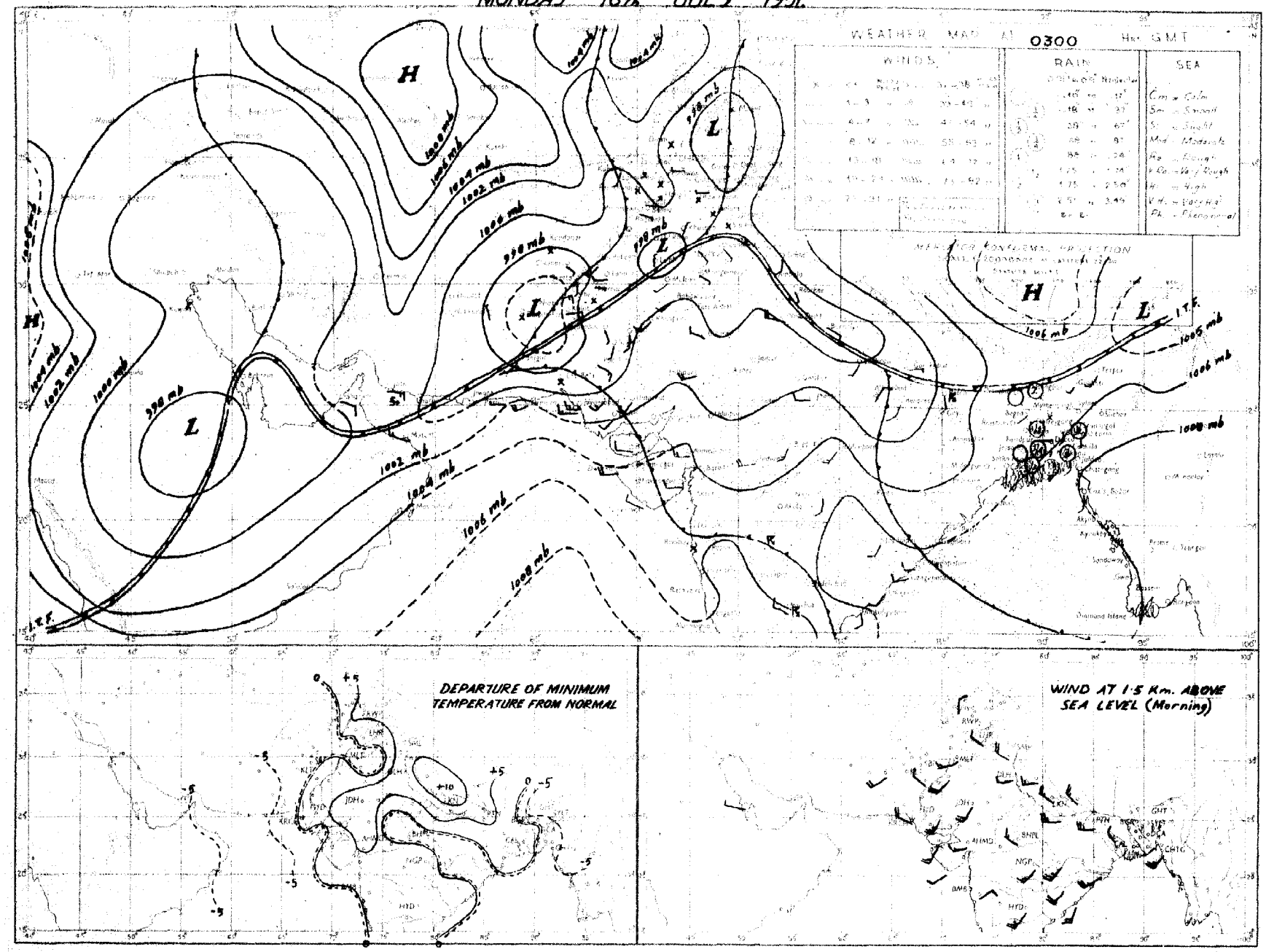
SUNDAY 15th: JULY 1951



Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER MAP

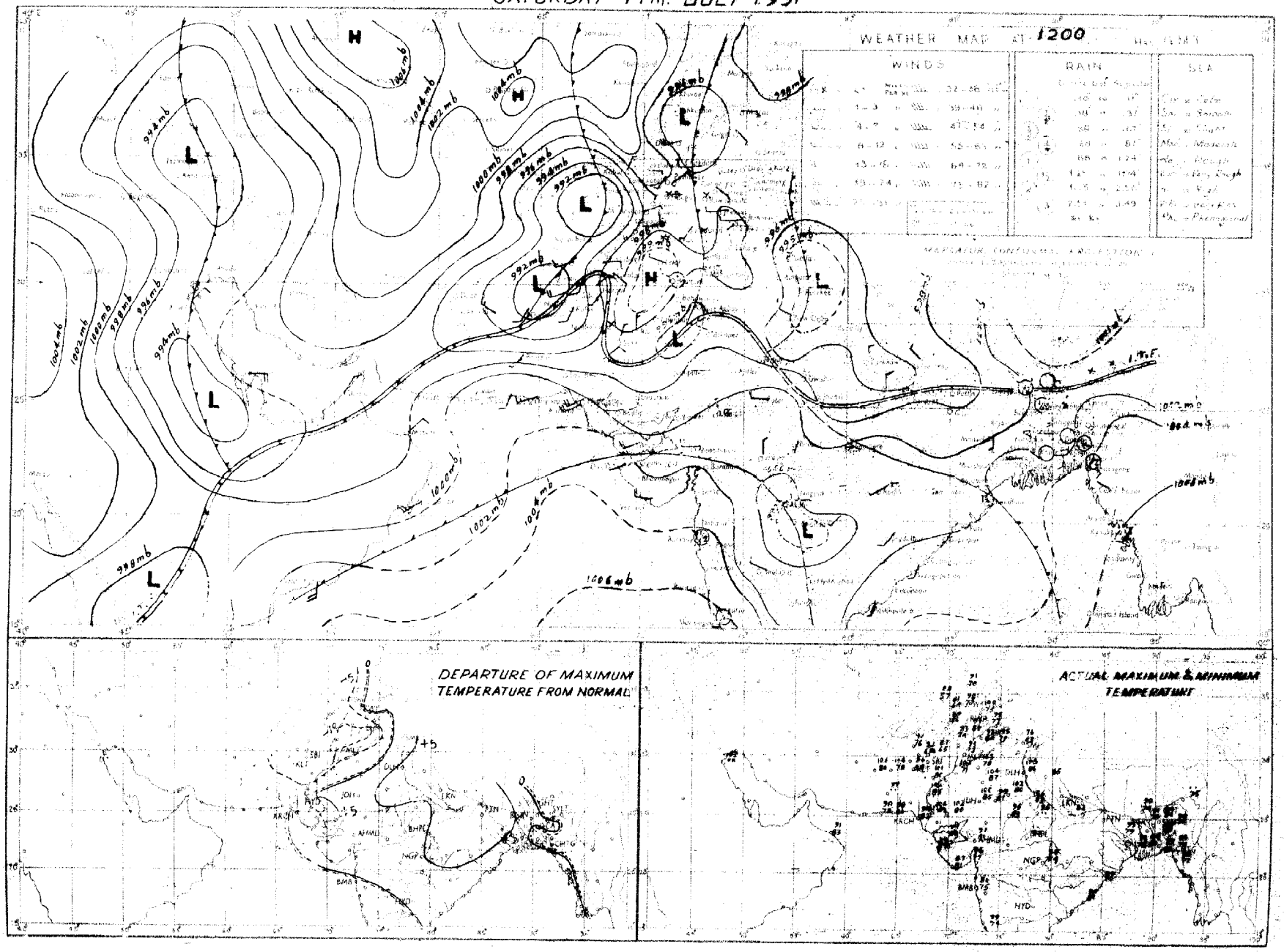
MONDAY 16th JULY 1951



Rainfall amounts indicated in the above chart refer to past 24 hours

PAKISTAN DAILY WEATHER MAP

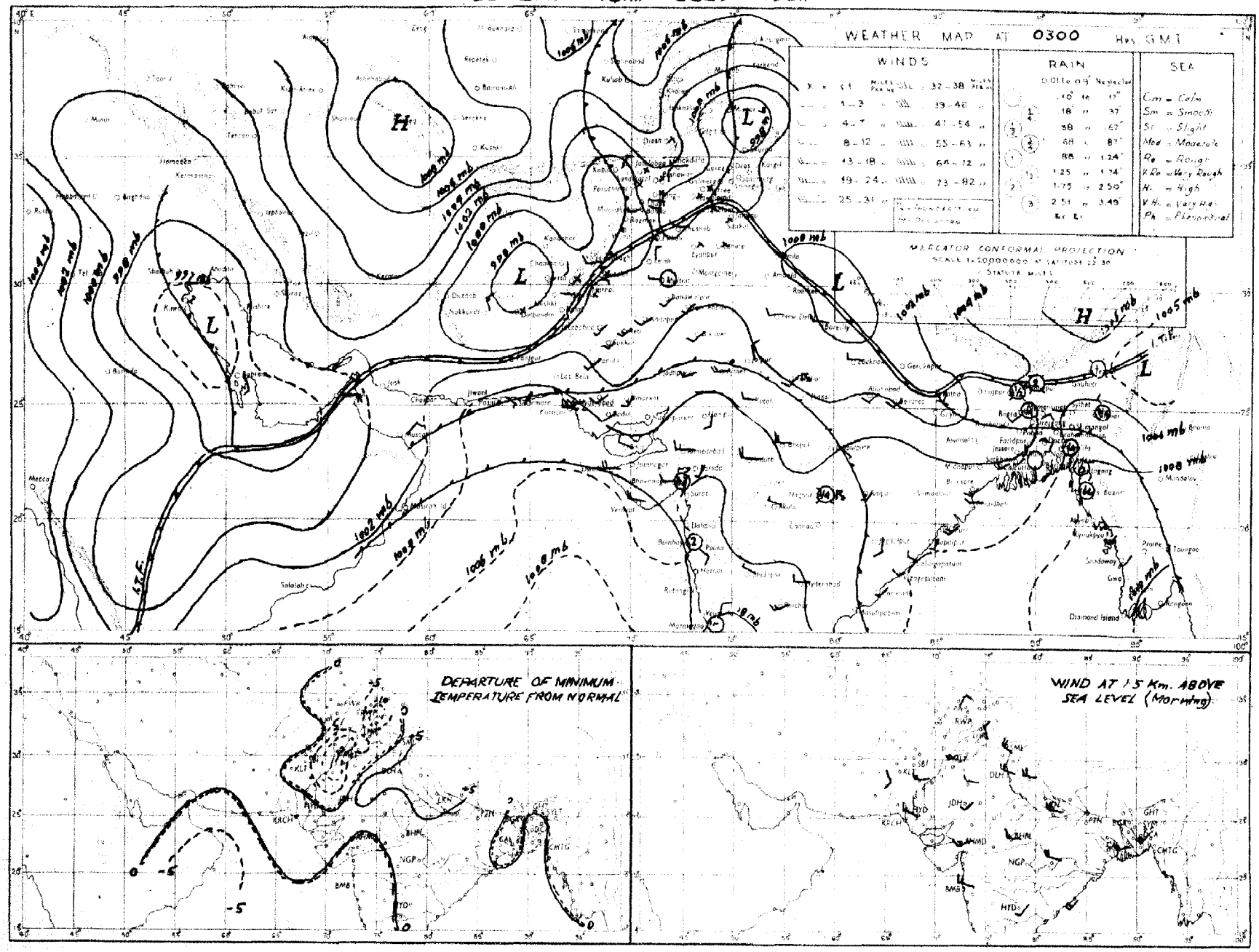
SATURDAY 14th. JULY 1951



Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER MAP

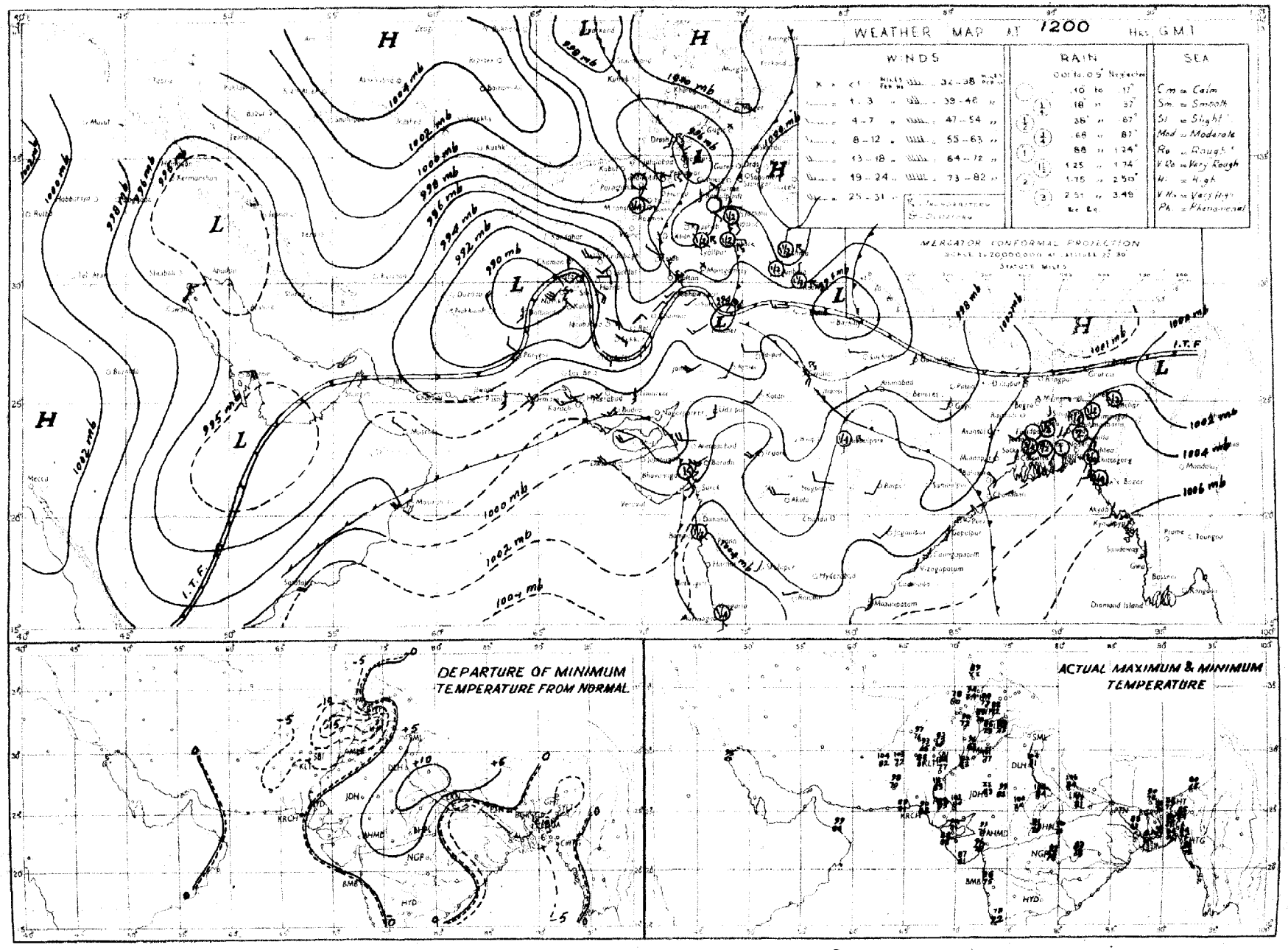
SUNDAY 15th. JULY 195.



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

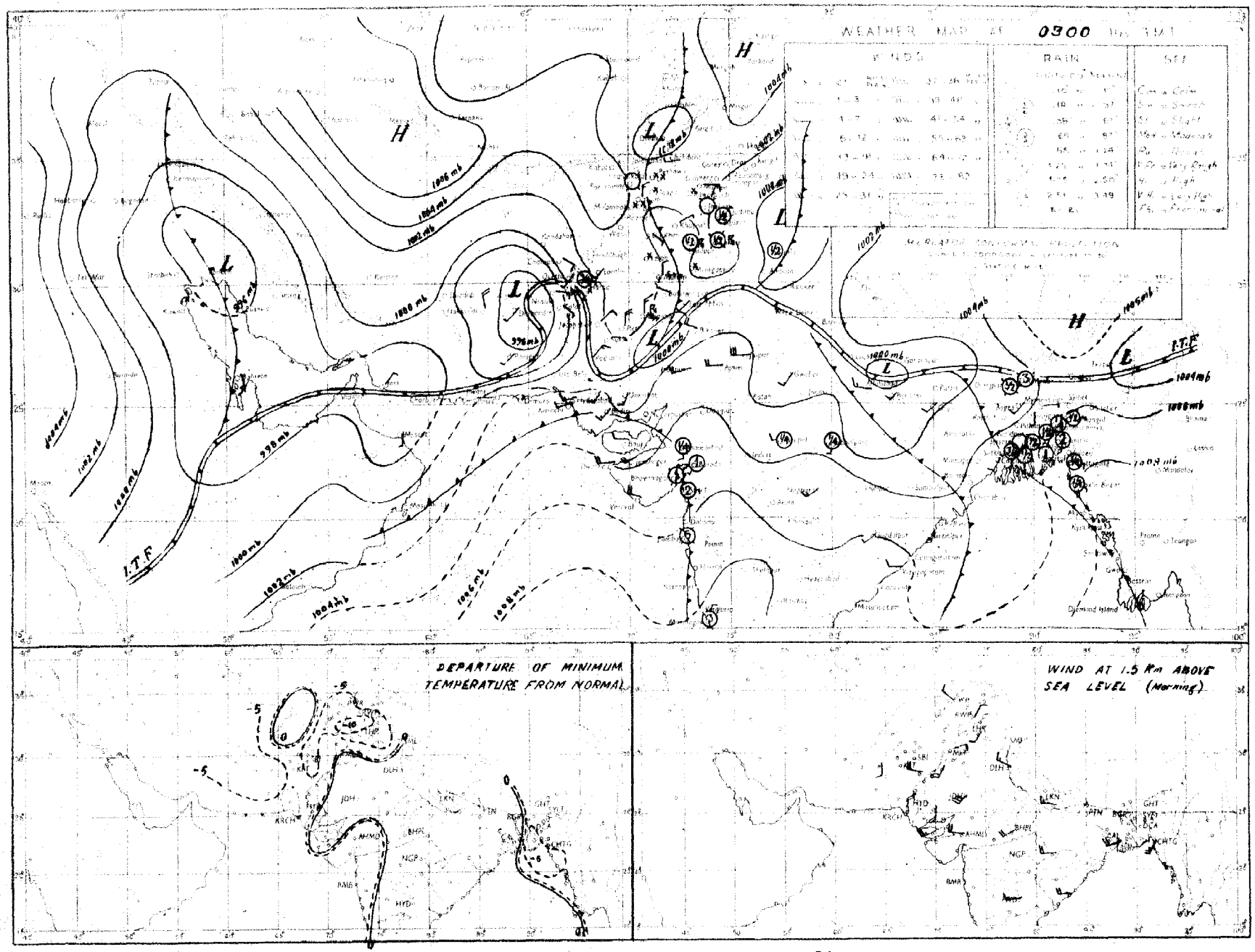
FRIDAY 13th: JULY 1951.



Rainfall amounts indicated in the above chart refer to past 9 hours

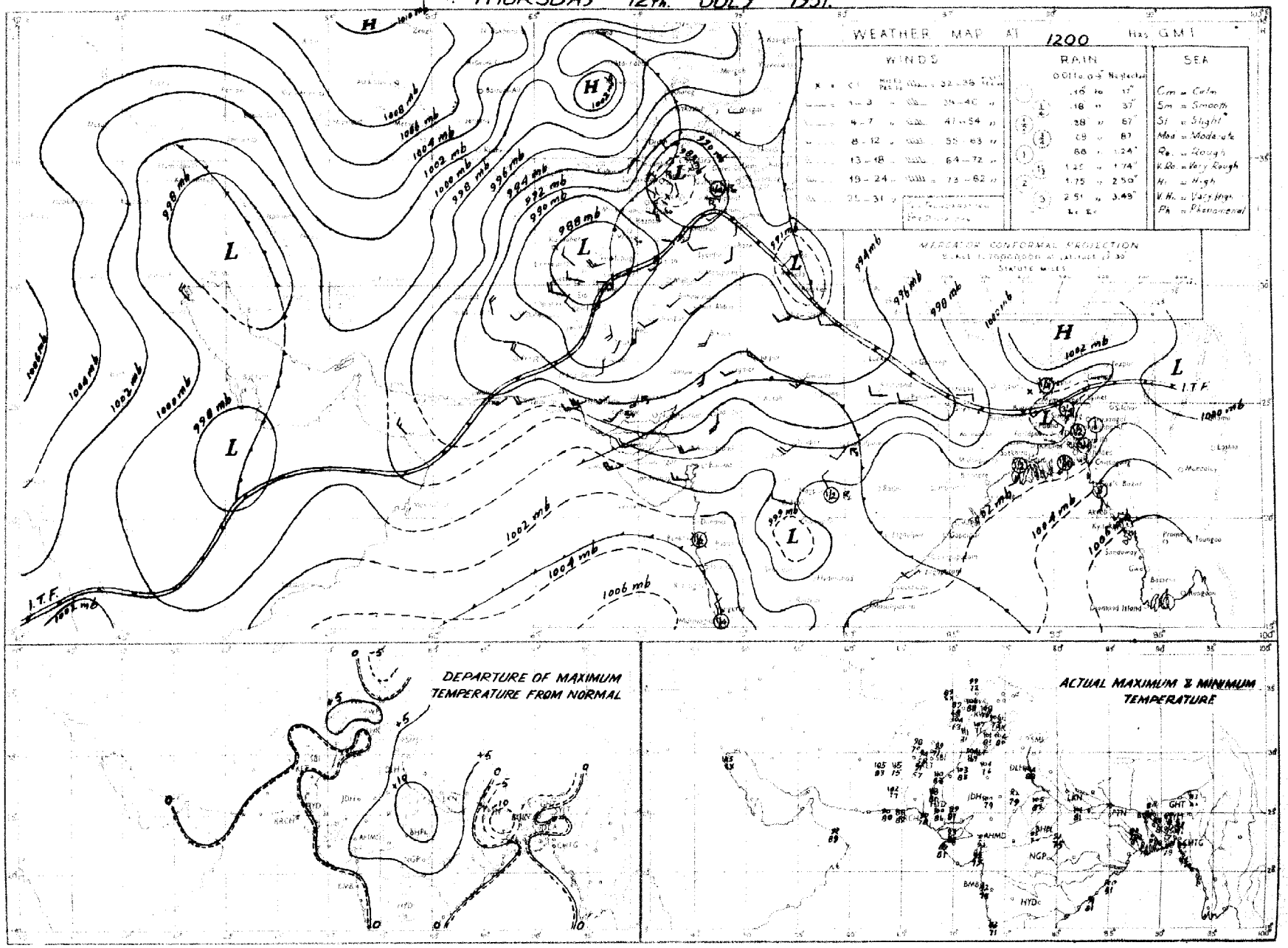
PAKISTAN DAILY WEATHER MAP

SATURDAY 14th. JULY 1951.



PAKISTAN DAILY WEATHER MAP

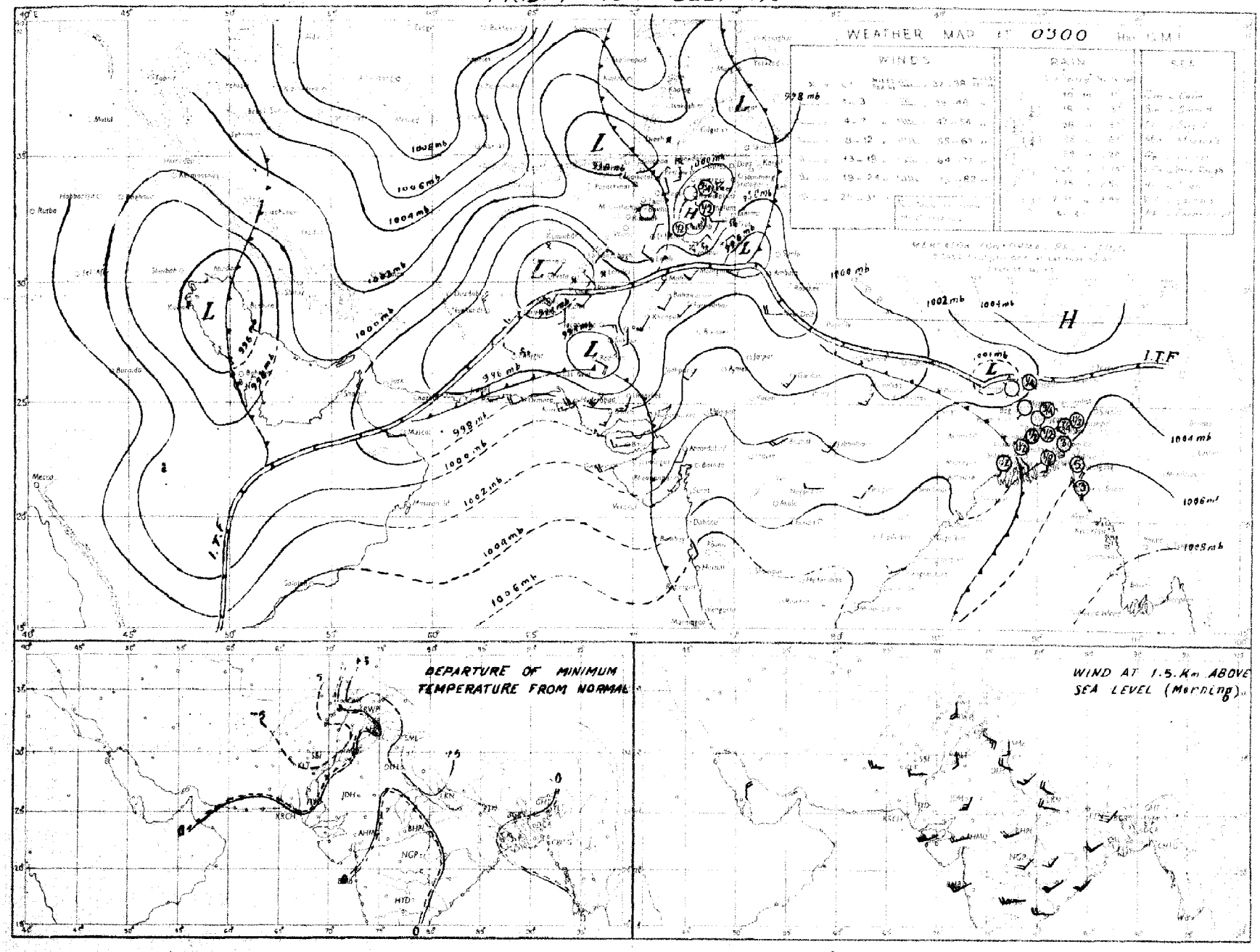
THURSDAY 12th. JULY 1951.



Rainfall amounts mentioned in the above map refer to past 9 hours

PAKISTAN DAILY WEATHER MAP

FRIDAY 13th JULY 1951



Rainfall amounts indicated in the above chart refer to past 24 hours.

Regd. No. S-1451.

WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G. M. T. on Wednesday, the 25th July. 1951.

—o:O:o—

LIBRARY APR 23 1951 WEATHER BUREAU

SUMMARY OF WEATHER.

A shallow depression formed off Orissa coast on the 20th and weakened on the morning of the 23rd. In its association there was a decrease in the intensity of monsoon over East Pakistan.

Conditions became markedly unsettled in the central and the adjoining north Bay on the 23rd and formed into depression by the evening of the 24th with its central region within one degree latitude 17°N and longitude 88°E. It further intensified into a cyclonic storm and was centred on the morning of the last day of the week within half degree latitude 19½°N and Longitude 87°E when it began causing active monsoon in East Pakistan.

Simultaneous with the formation of the first depression off Orissa coast a shallow depression appeared in the north Arabian see off Kathiawar coast on the 20th. It persisted there for the next two days and weakened into a trough off Konkan-Kathiawar coast by the 23rd. It revived into a shallow depression by the evening of the 24th, and moving in a northwesterly direction was centred on the morning of the 25th within half degree of latitude 21°N and longitude 68°E In its association heat wave was experienced over Sind from the 20th till the end of the week. Dust/thunderstorms and rain also occurred in lower Sind during the period 22nd to 25th.

Low pressure waves moving across the northern regions of West Pakistan caused spell of wet weather and thunderstorm activity over there practically throughout the week.

Some of the noteworthy amounts of rainfall recorded during the week were:—Chakdara 1½", Mymensingh and Parachinar 1" each and Drosh ½" on the 19th; Srimangal 1½" and Murree 1" on the 20th; Dinajpur ¾" and Comilla ½" on the 21st; Comilla ¾", Pasni ½" Jessore ¼" on the 22nd; Murree and Sialkot ¾" each, Rawalpindi ½", Umarkot and Badin ¼" each on the 23rd; Comilla 2", Lahore, Leiah, Miranshah and Bannu ½" each on the 24th; Comilla 2", Karachi (Air Port) and Badin 1½" each, Chittagong, Narayanganj and Barisal 1" each and Satkhira ¾" on the 25th.

Day temperatures were markedly to considerably above normal in Sind from the 20th to 24th and appreciably to markedly above normal in the Punjab on the first six days. In East Pakistan they were appreciably to markedly above normal on the 22nd and 24th.

2. EAST PAKISTAN: Rainfall was nearly general in the Eastern and Deltaic sub-divisions on one day. It occurred locally on two days in the Eastern sub-division and on one day each in the Deltaic and Northern sub-divisions. A few falls were also recorded on four days in the Northern sub-division and on three days each in the Deltaic and Eastern sub-divisions.

KASHMIR: Data not available.

PUNJAB: Rainfall was local on two days in the north Punjab. A few falls also occurred in the north Punjab on three days and in the south Punjab on one day

NORTH-WEST FRONTIER PROVINCE: Rainfall was local over the hills on one day. A few falls were also recorded, mainly over the hills on four days.

BALUCHISTAN: A few falls were recorded in south Baluchistan on two days and in north Baluchistan on one day.

SIND: Rainfall was local on the 25th and scattered on the 23rd.

JUNAGADH: Data not available.

3. The week's rainfall was normal in Sind and south Baluchistan and scanty elsewhere over the country.

Rainfall for the period from 1st June 1951 to date was in excess in the Northern sub-division and normal in the Eastern and Deltaic sub-divisions of East Pakistan. It was deficient in the north Punjab and scanty elsewhere.

4. The table overleaf summarises the rainfall statistics for the eleven sub-divisions of Pakistan both for the week and for the period from 1st June 1951 to date.

KARACHI-11.
The 25th July 1951.

MOHAMMAD SHABBAR,
for Director, Meteorological Service.

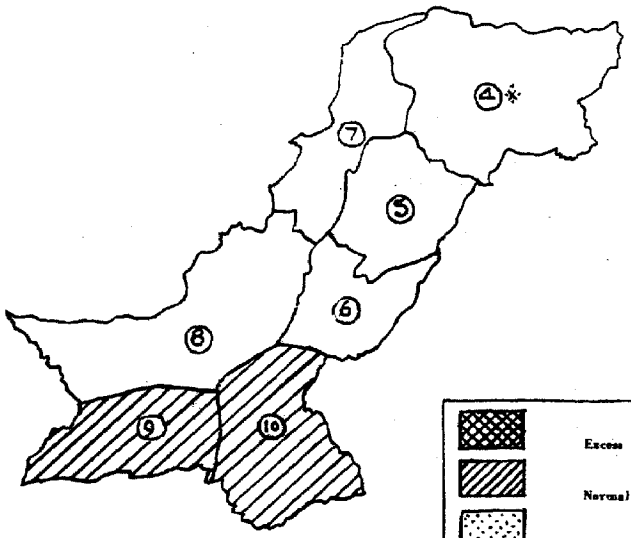
WEEKLY WEATHER REPORT

Division	Rainfall for week ending on 25th July, 1951.			Rainfall for period from 1-6-1951 to 25th July, 1951.			
	Actual †	Normal	Excess or defect	Actual †	Normal	* Excess or defect	
						Inches	Per cent
1	2	3	4	5	6	7	8
1. East Pakistan (East)	1.6	4.2	− 2.5	36.5	33.6	+ 2.9	+ 9
2. East Pakistan (Deltaic)	0.7	3.1	− 2.5	20.3	23.9	− 3.6	− 15
3. East Pakistan (North)	0.4	2.7	− 2.3	31.3	25.4	+ 6.0	+ 24
4. Kashmir ††	....	....	....	....	....	....	....
5. North Punjab	0.5	1.3	− 0.9	2.5	6.3	− 3.7	− 59
6. South Punjab	0	0.5	− 0.5	0.9	2.2	− 1.3	− 60
7. N. W. F. P.	0.1	0.3	− 0.2	0.7	1.9	− 1.1	− 61
8. North Baluchistan	0	0.3	− 0.3	0.2	1.2	− 1.0	− 85
9. South Baluchistan	0.2	0.2	0	0.2	0.6	− 0.5	− 73
10. Sind	0.6	0.7	− 0.1	0.6	2.7	− 2.1	− 79
11. Junagadh ††	....	....	....	....	....	....	....

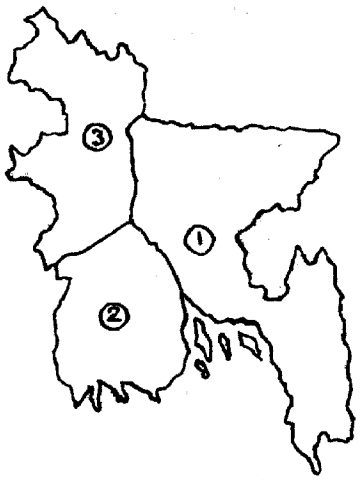
* In the calculation of excesses and defects, and their percentages, rainfall figures are taken correct to 0·01".

† Rainfall of stations having no normals is not included.

†† Data not available



RAINFALL FOR THE WEEK ENDING 25-7-1951



Excess + 20 % or more

Normal + 19% to - 19 %

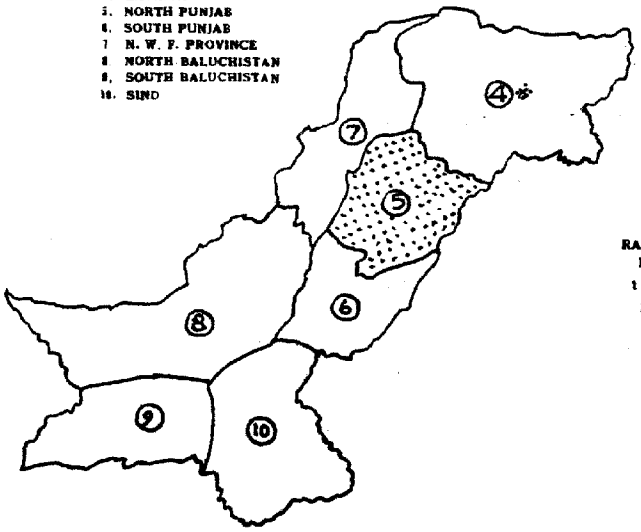
Deficient - 20% to 59 %

Scanty - 60 % or less

WEST PAKISTAN

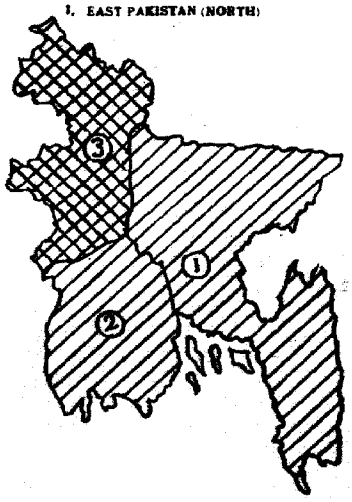
EAST PAKISTAN

4. KASHMIR
5. NORTH PUNJAB
6. SOUTH PUNJAB
7. N. W. F. PROVINCE
8. NORTH BALUCHISTAN
9. SOUTH BALUCHISTAN
10. SIND



RAINFALL FOR THE PERIOD FROM 1-6-1951 TO 25-7-1951

1. EAST PAKISTAN (EAST)
2. EAST PAKISTAN (DELTAIC)
3. EAST PAKISTAN (NORTH)



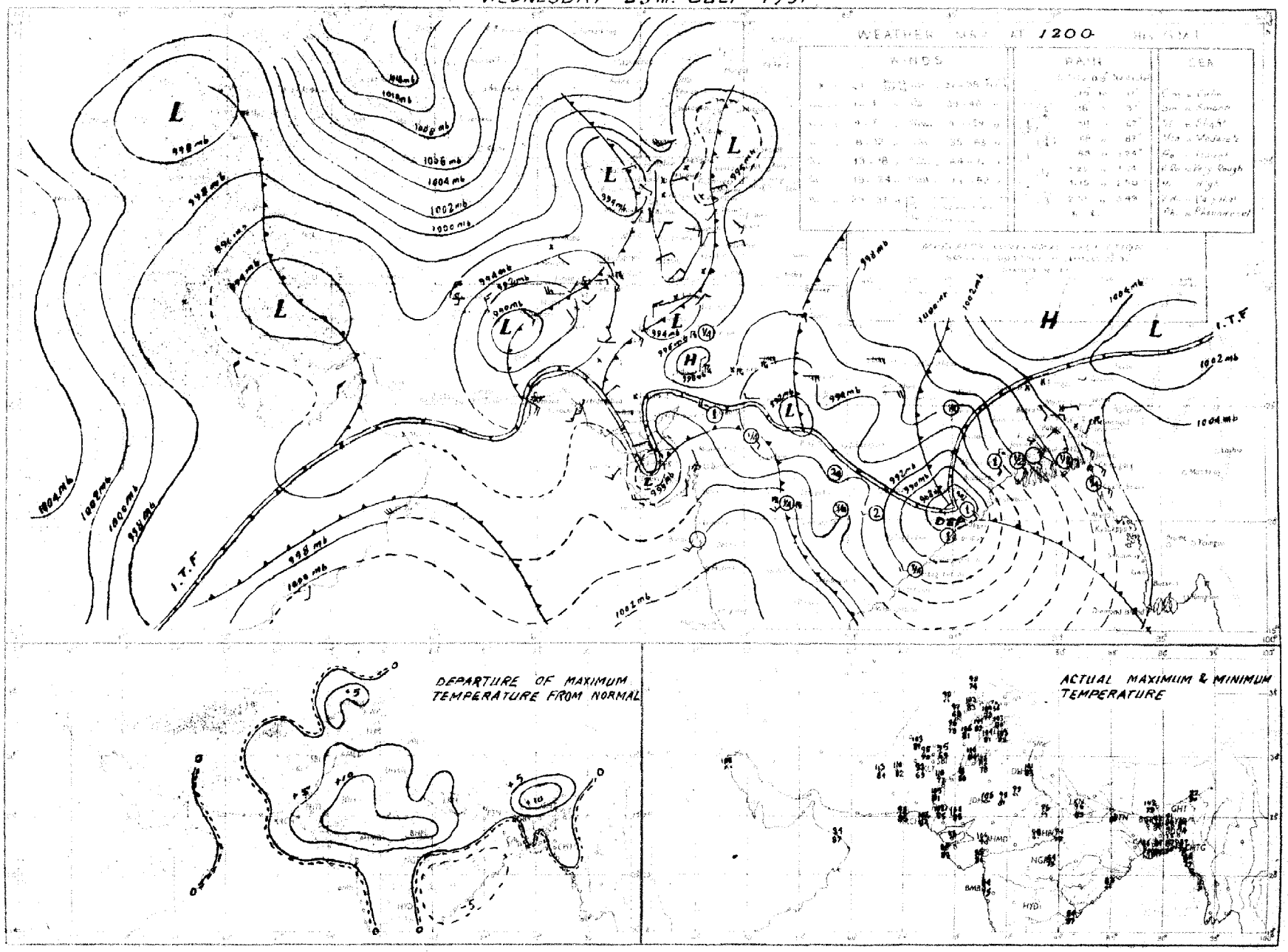
SCALE—256 MILES=1"

SCALE—256 MILES=1"

* Data not available.

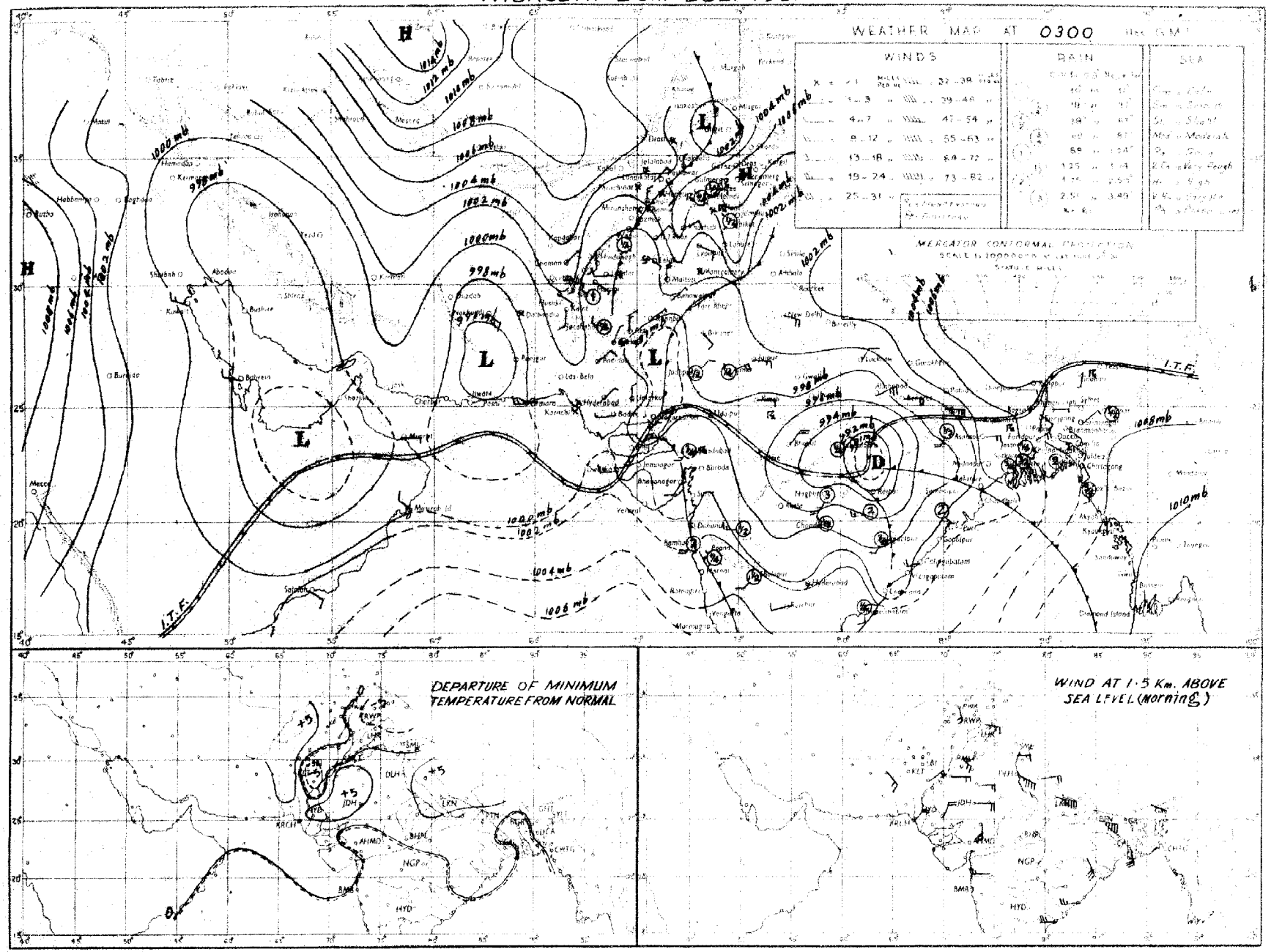
PAKISTAN DAILY WEATHER MAP

WEDNESDAY 25th: JULY 1951



PAKISTAN DAILY WEATHER MAP

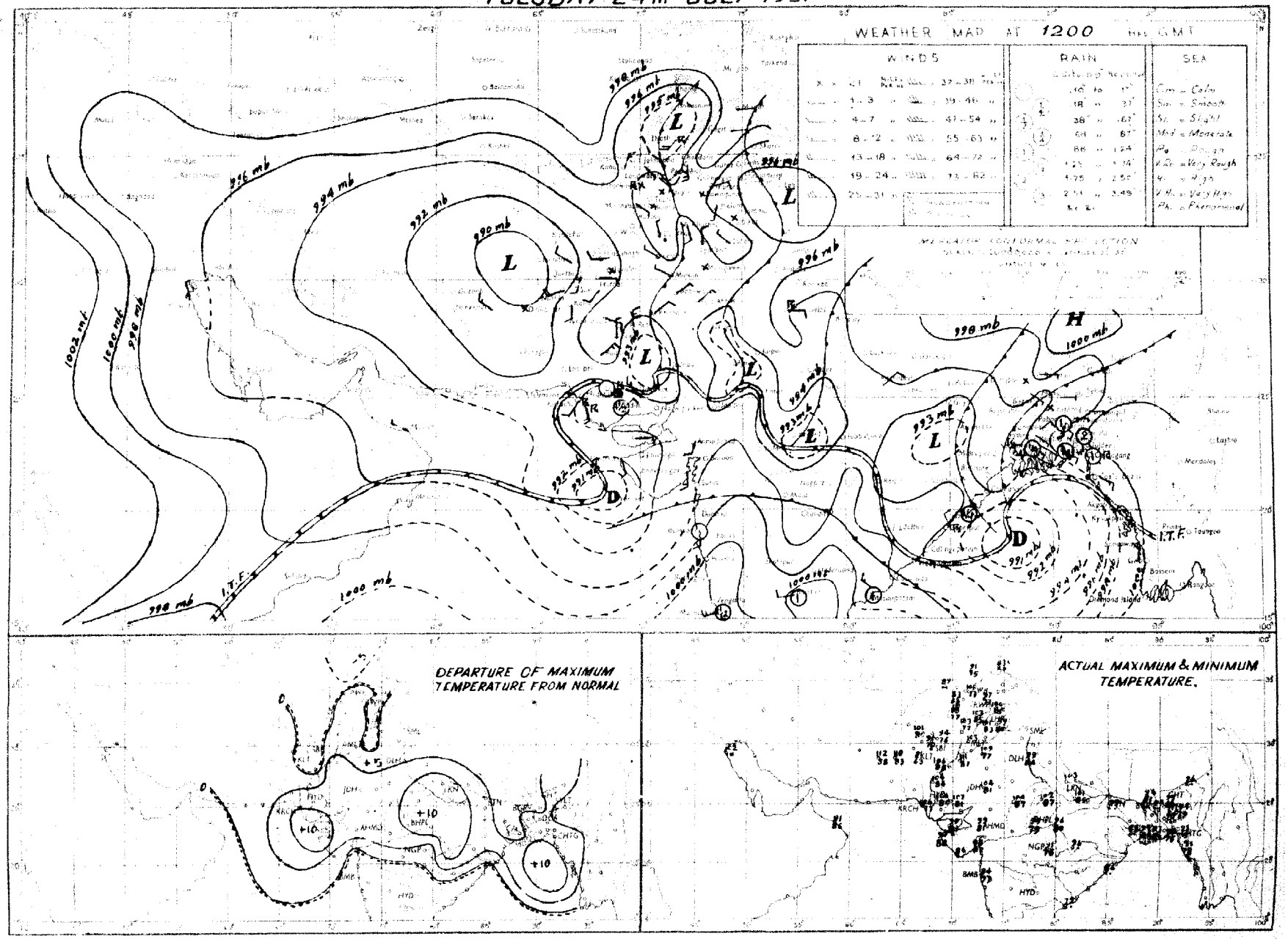
THURSDAY 26th: JULY 1951



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

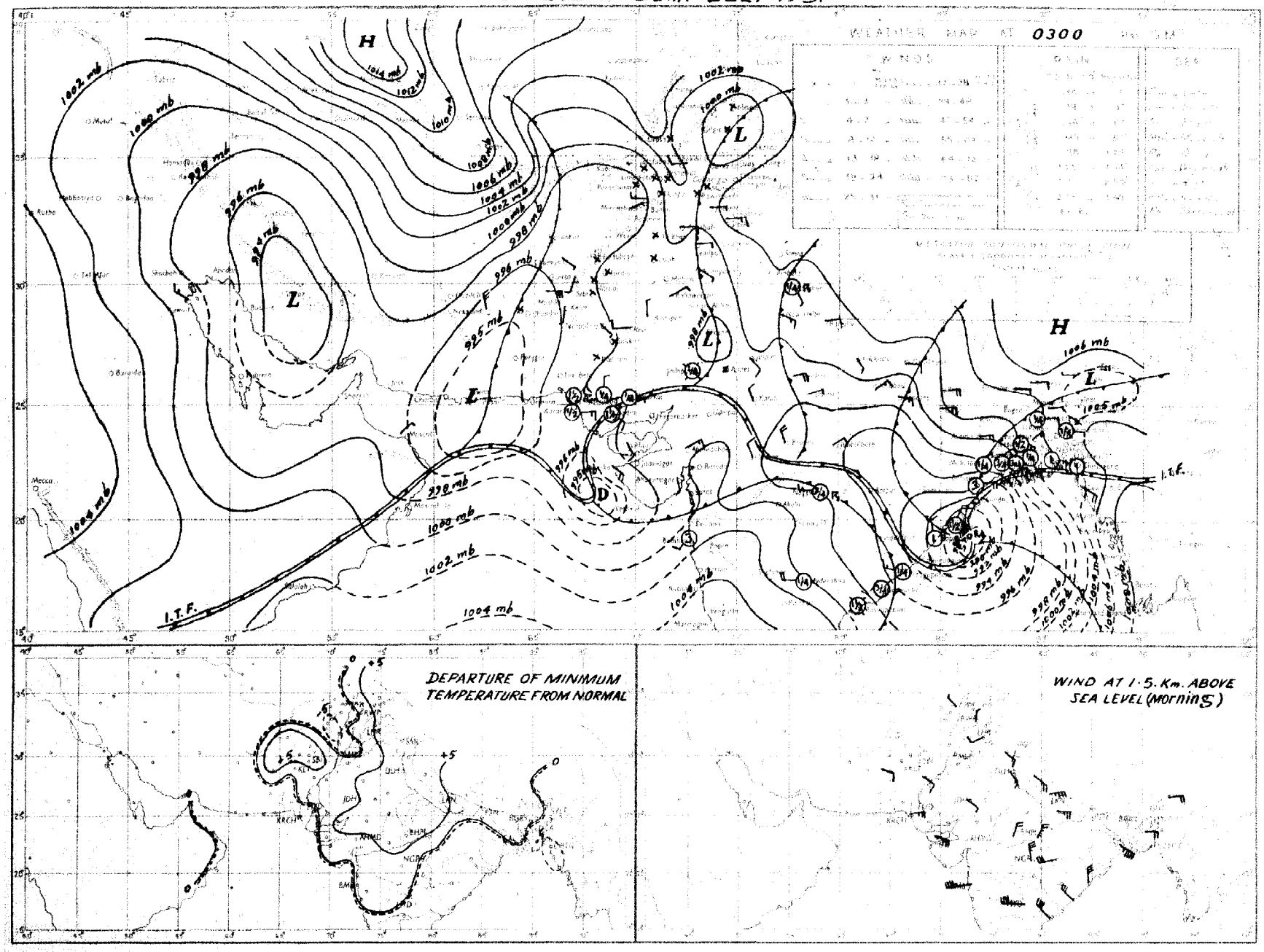
TUESDAY 24th JULY 1951



Rainfall amounts indicated in the above chart refer to past 9 hours

PAKISTAN DAILY WEATHER MAP

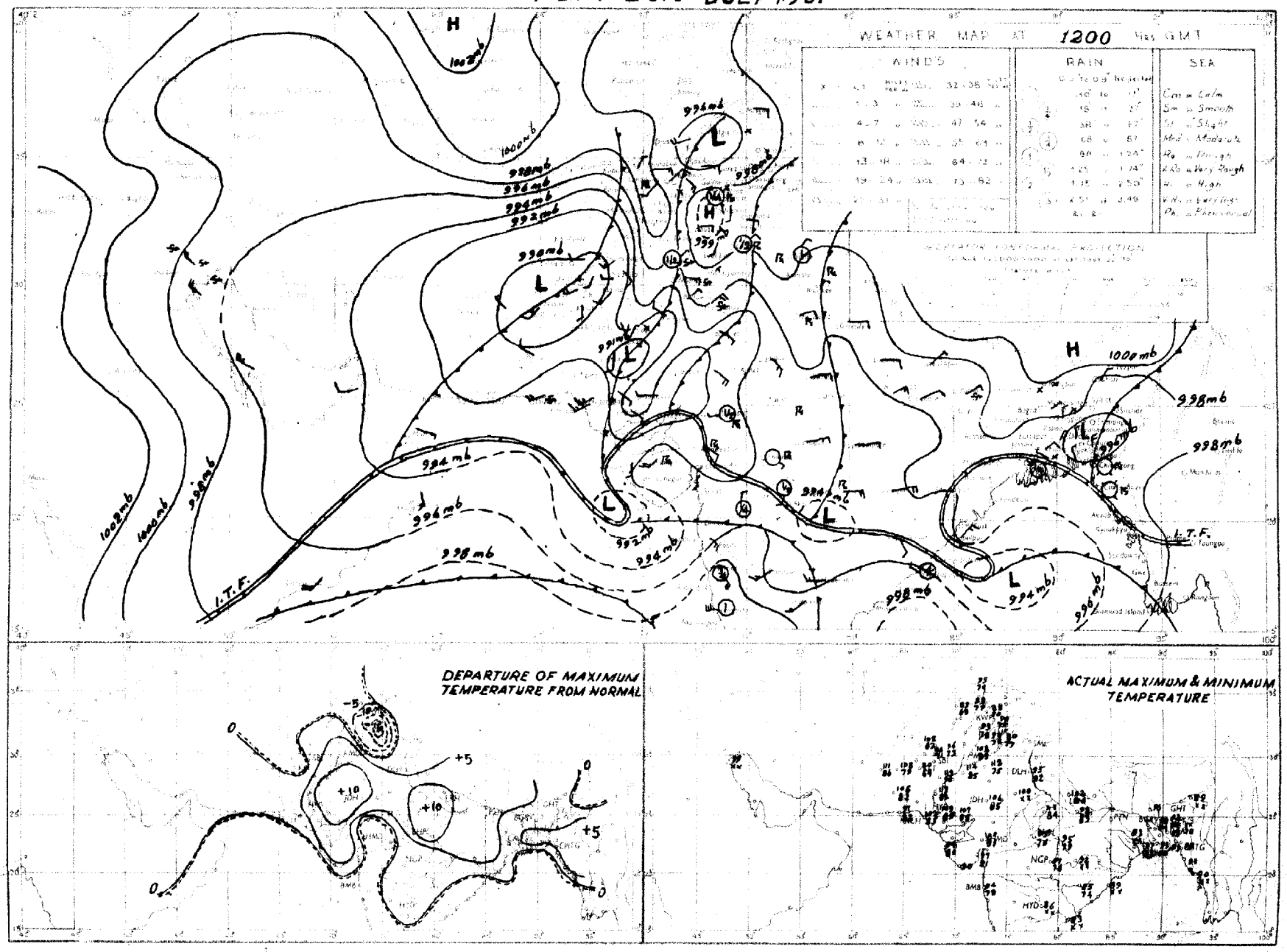
WEDNESDAY 25th: JULY 1951



Rainfall amounts indicated in the above chart refer to past 24 hours

PAKISTAN DAILY WEATHER MAP

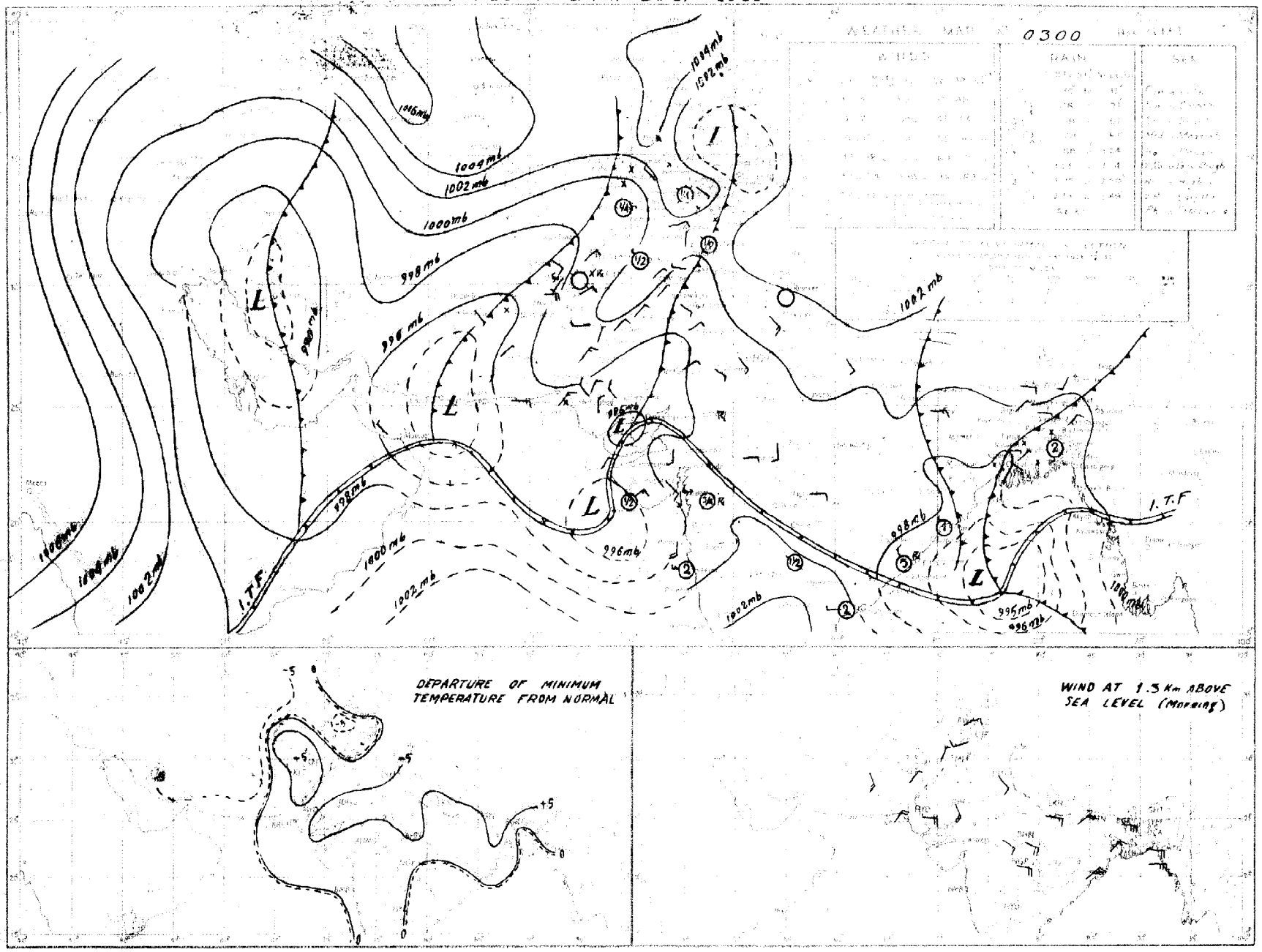
MONDAY 23rd: JULY 1951



[illegible] information in the above chart refer to past 9 hours

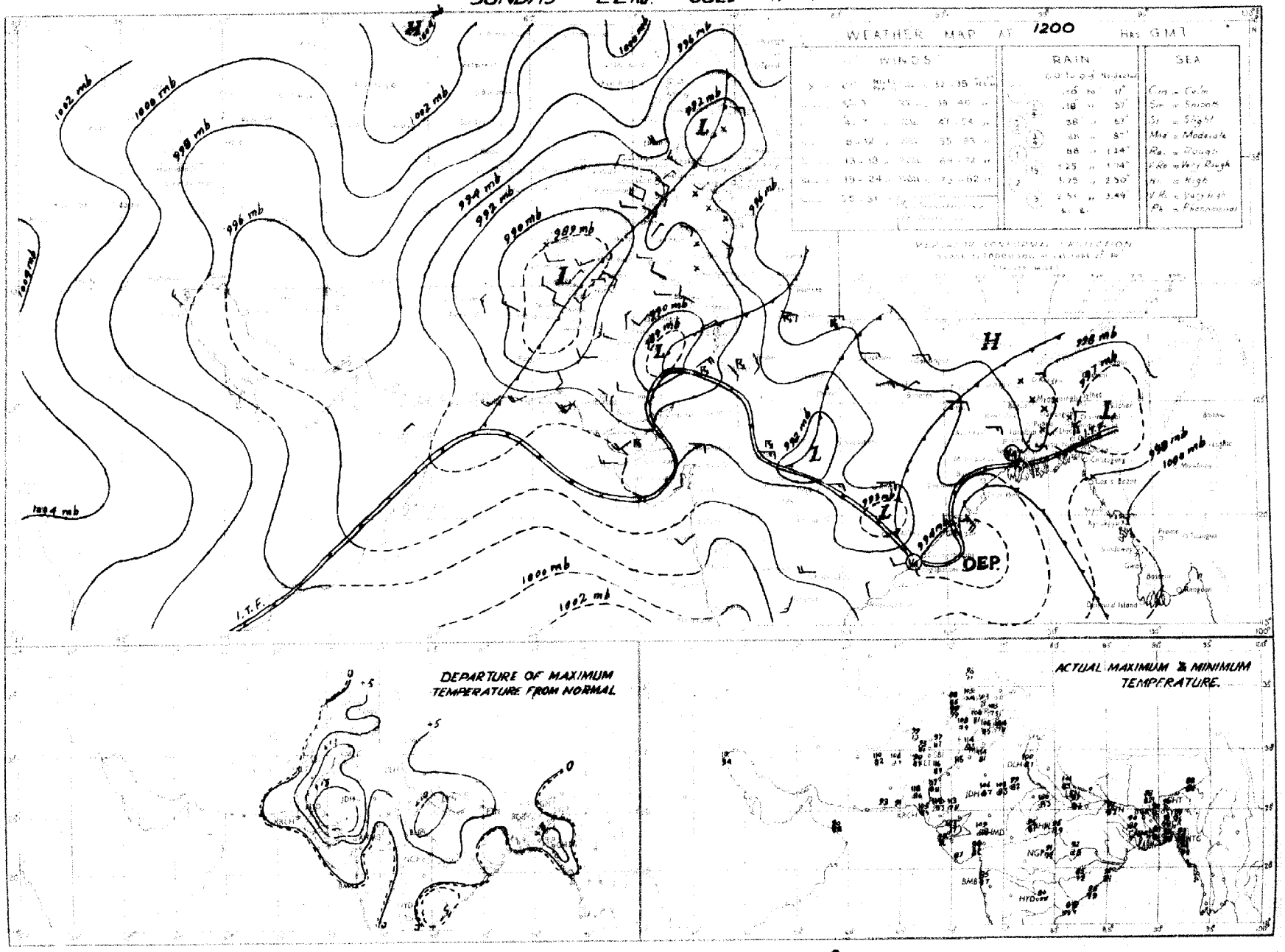
PAKISTAN DAILY WEATHER MAP

TUESDAY 24th JULY 1951



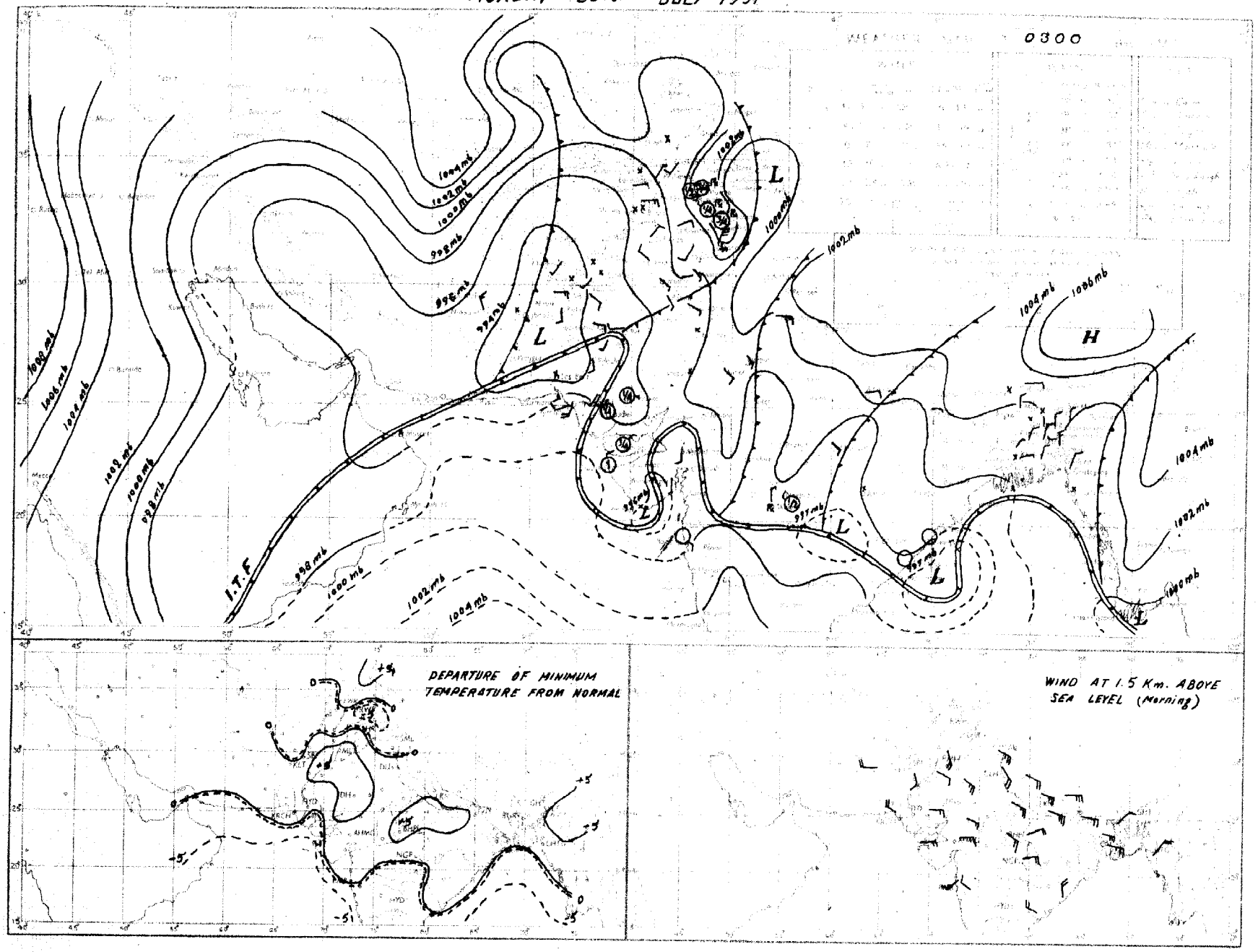
PAKISTAN DAILY WEATHER MAP

SUNDAY 22nd. JULY 1951.



PAKISTAN DAILY WEATHER MAP

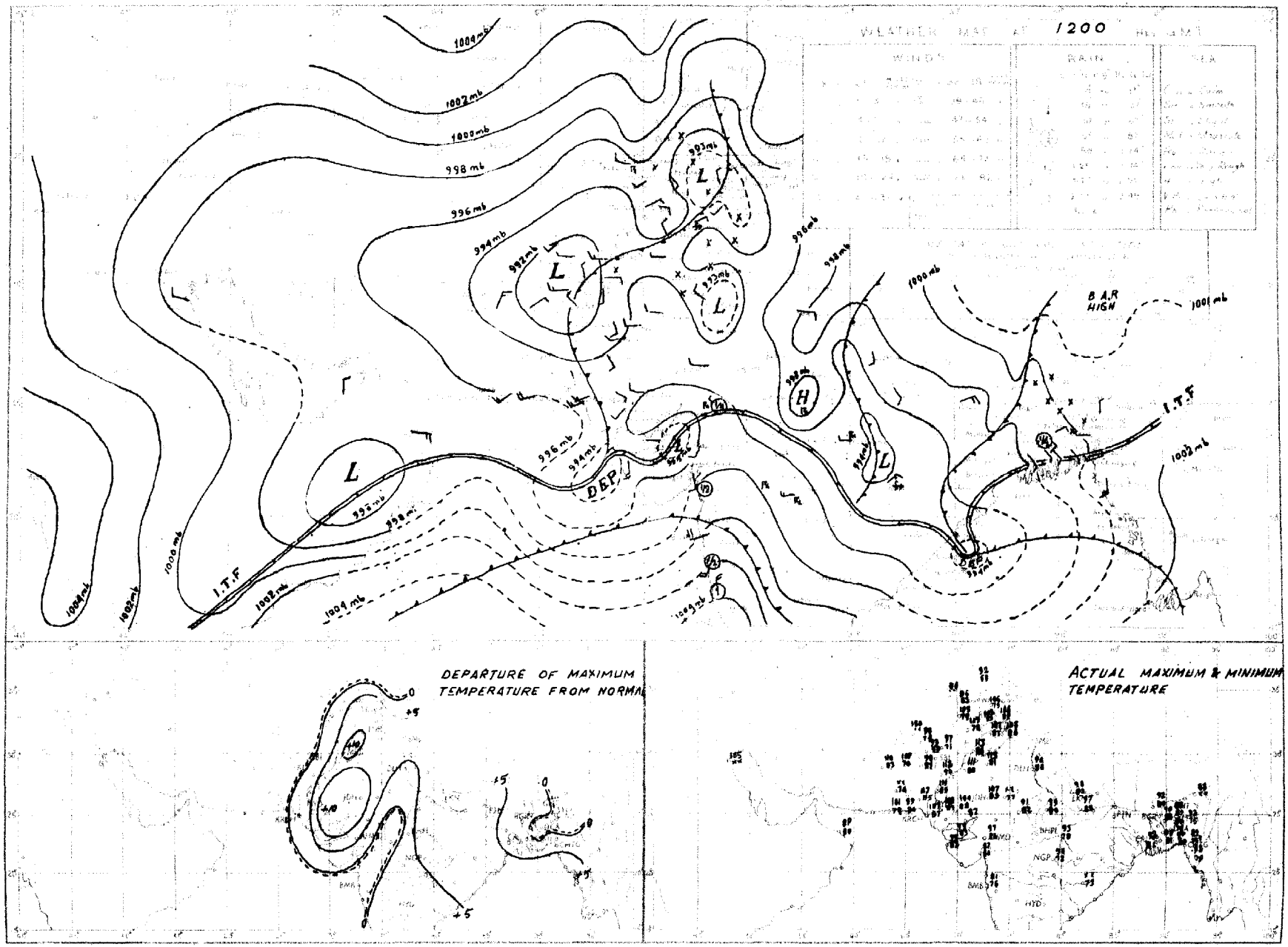
MONDAY 23rd JULY 1951



Rainfall amounts indicated in the above chart refer to mm

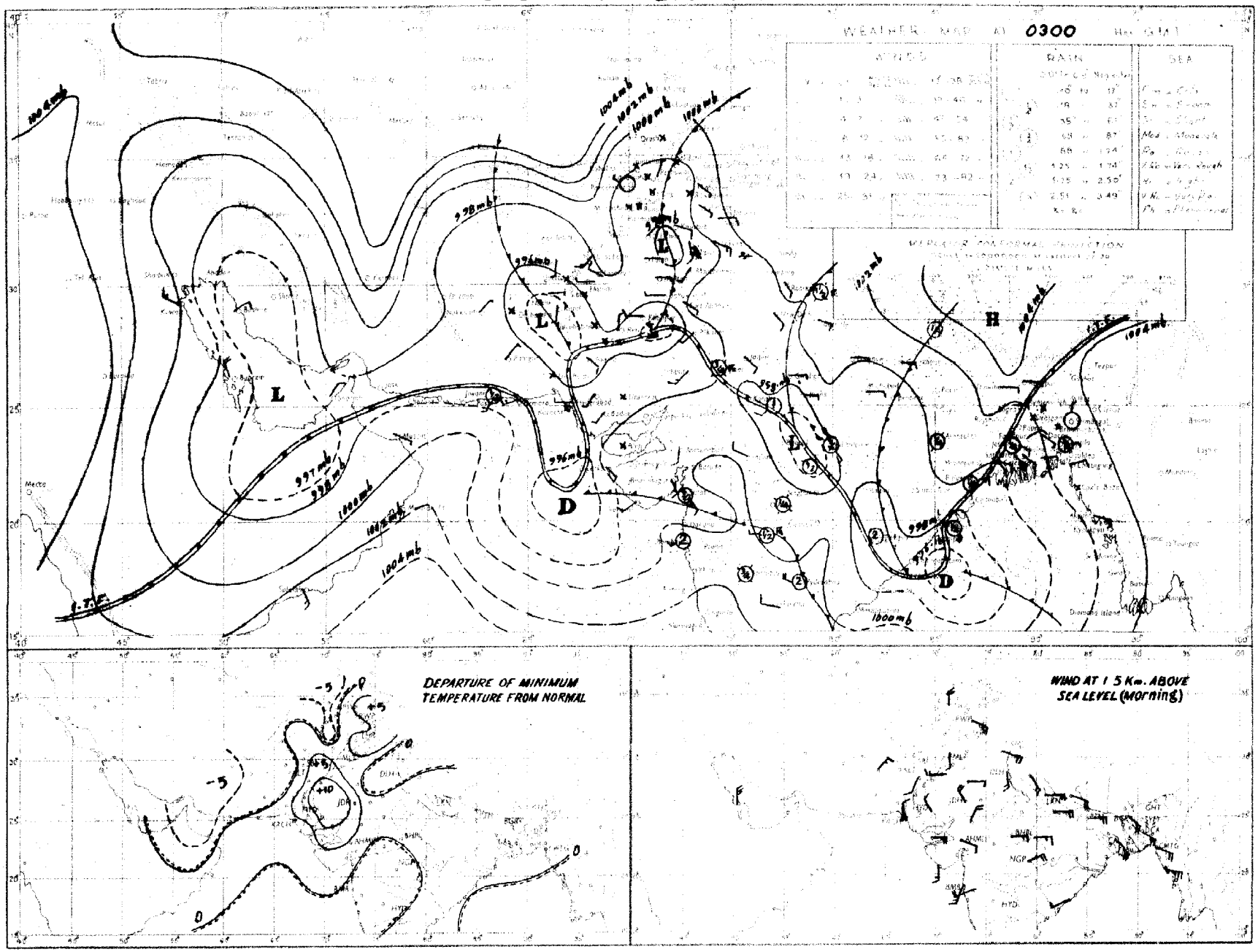
PAKISTAN DAILY WEATHER MAP

SATURDAY 21st JULY 1951



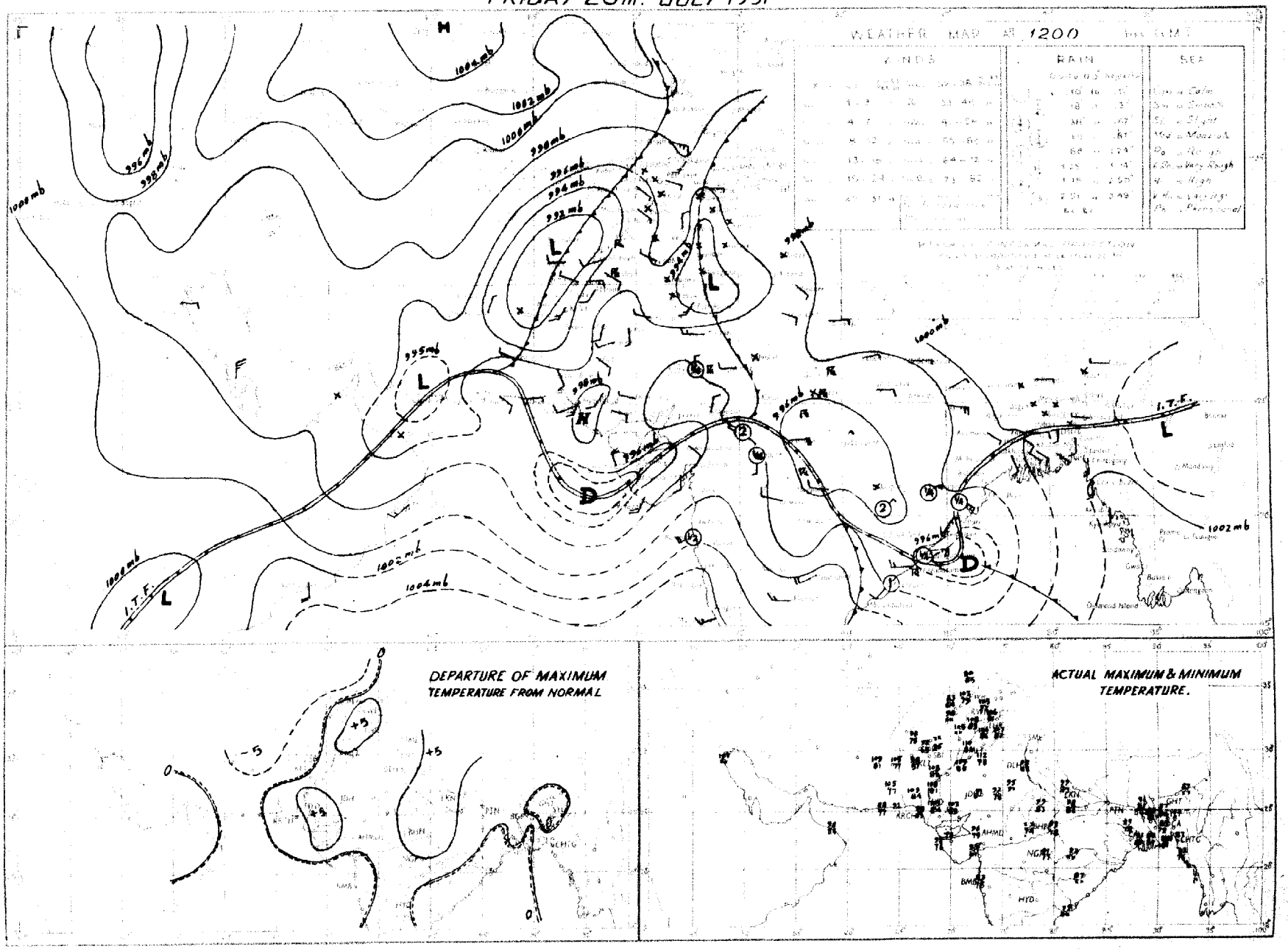
PAKISTAN DAILY WEATHER MAP

SUNDAY 22nd JULY 1951



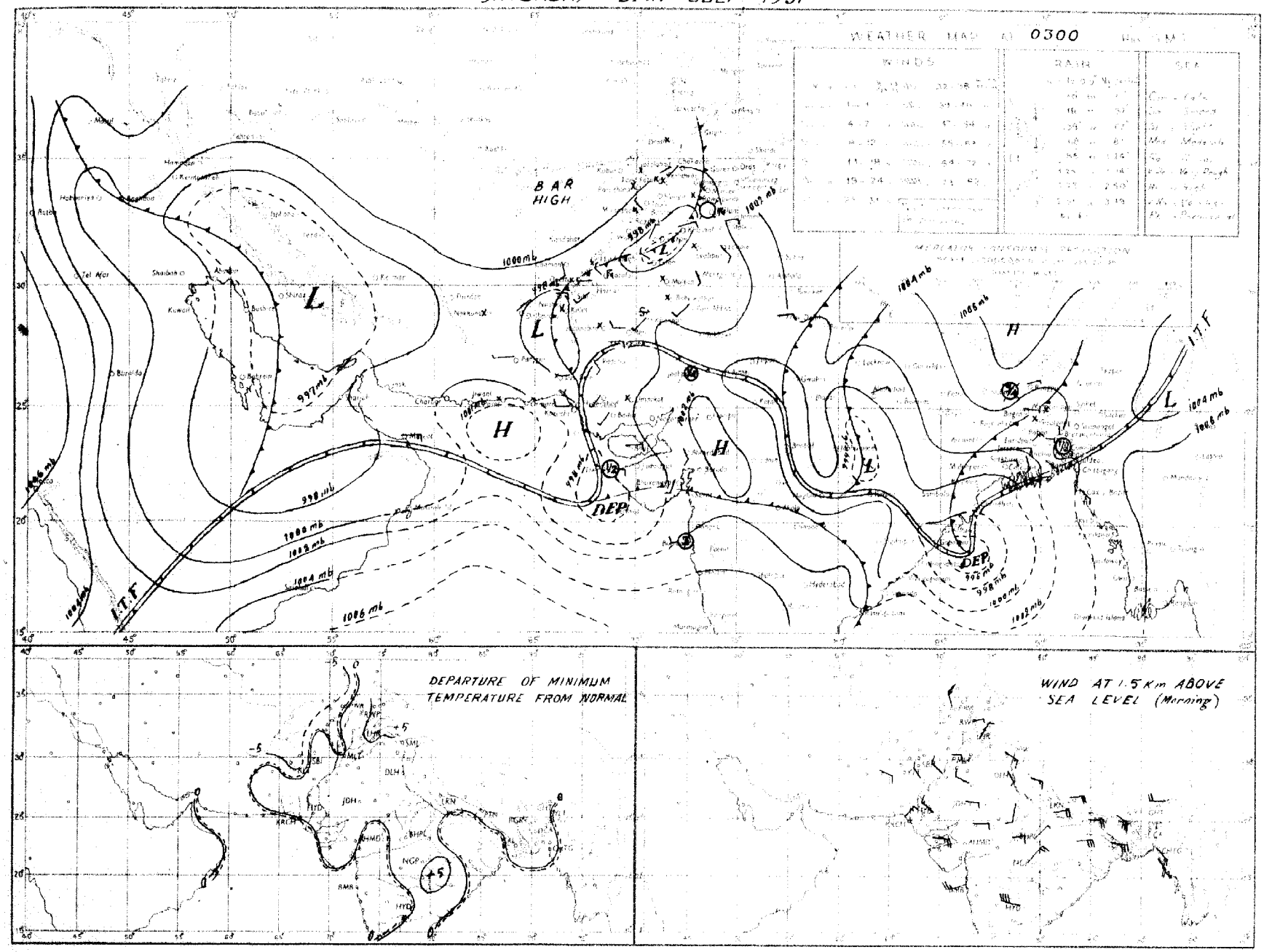
PAKISTAN DAILY WEATHER MAP

FRIDAY 20th: JULY 1951



PAKISTAN DAILY WEATHER MAP

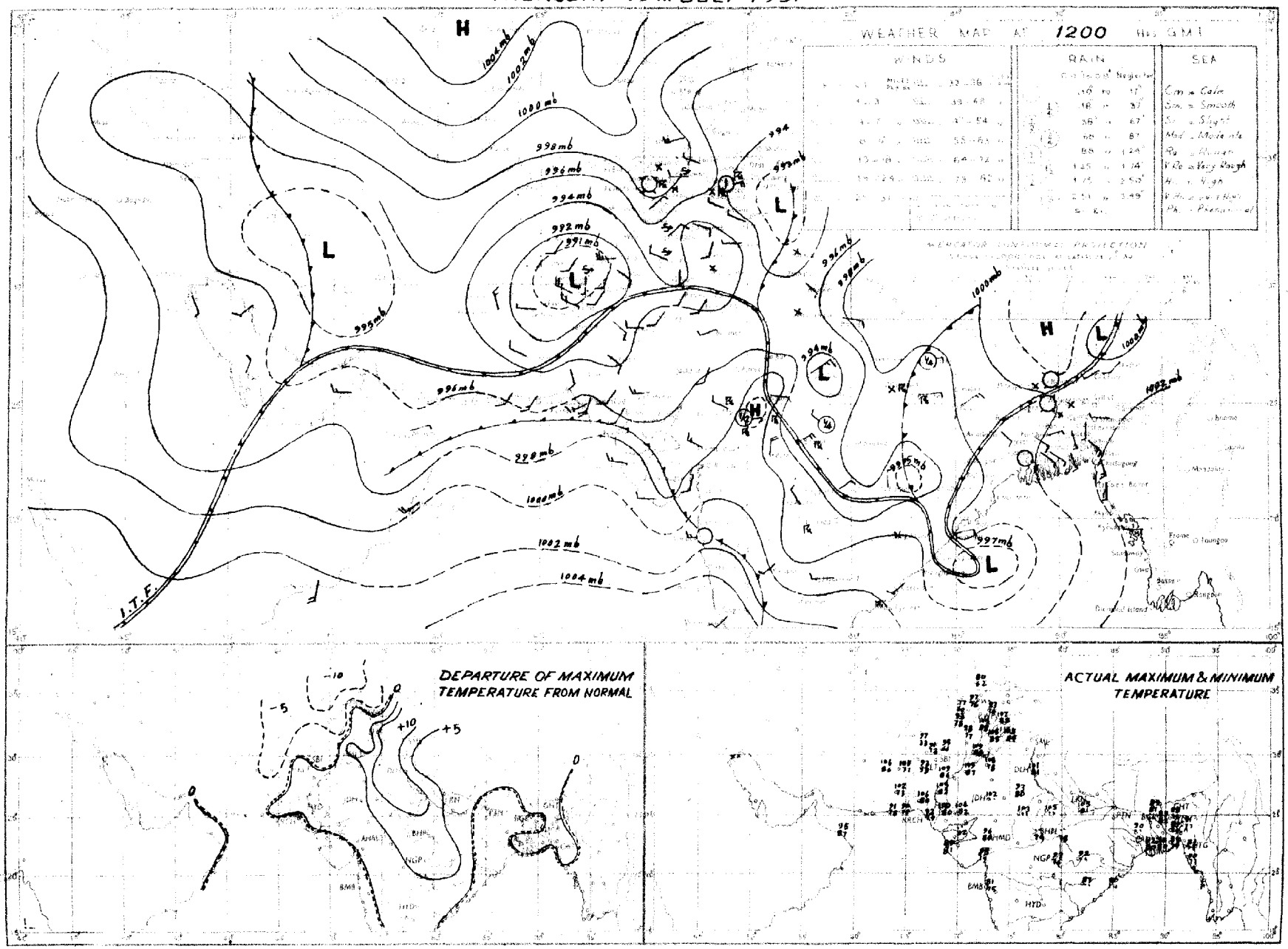
SATURDAY 21st. JULY 1951



Rainfall amounts indicated in the above chart refer to past 24 hours.

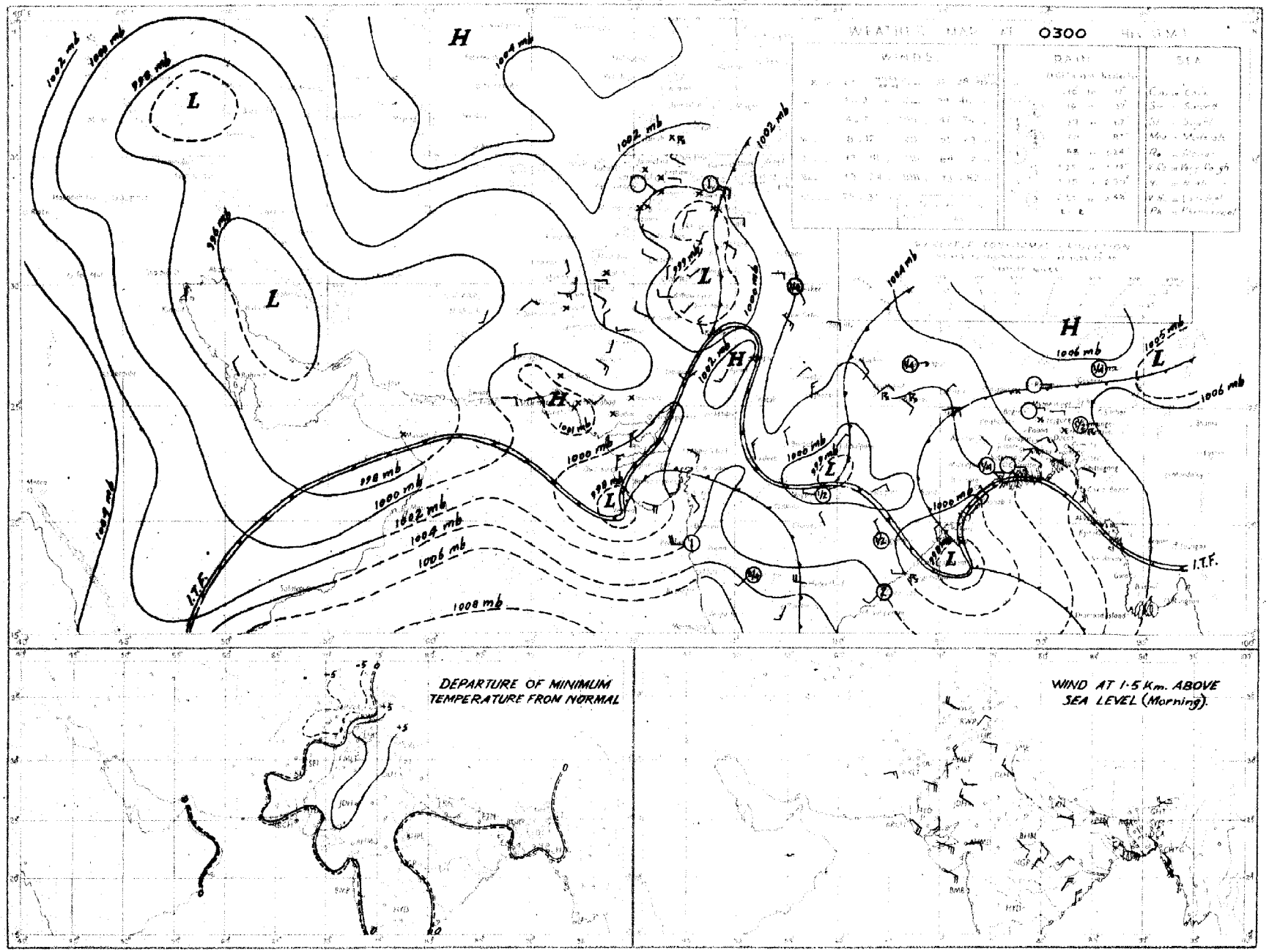
PAKISTAN DAILY WEATHER MAP

THURSDAY 19th JULY 1951



PAKISTAN DAILY WEATHER MAP

FRIDAY 20th. JULY 1951.



Regd. No. S-1451.

WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G. M. T. on Wednesday, the 1st August, 1951.

LIBRARY
APR 23 1952
WEATHER BUREAU

—o:O:o—

SUMMARY OF WEATHER.

The cyclonic storm in the northwest angle of the Bay crossed Orissa coast by 1200 G. M. T. of the 25th July and simultaneously last week's shallow depression in the north Arabian sea became unimportant. The cyclonic storm lay as a deep depression near Pendra on the 26th with its associated trough extending upto Rajputana and adjoining Sind. In its association monsoon advanced into the Punjab and Sind. The depression moving in westnorthwesterly direction recurved from a point near Kotah on the 28th and after moving north-northeastwards accross north Rajputana, finally filled up over Kumoan hills by the 30th.

Chief associated features were :—(1) Active monsoon in East Pakistan, (2) marked spell of wet weather and thunderstorm activity in the north Punjab during the week and (3) thunderstorms/showers in lower Sind and Baluchistan during the first four days. A well marked trough appearing in the north Bay on the 29th, concentrated into a depression by 1200 G. M. T. of the same day and crossed Orrisa coast near Chandbali in the evening of the 30th.

Some of the noteworthy amounts of rainfall recorded during the week were :—Barisal 2", Sibi 1", Cox's Bazar and Satkhira ¾" each, Khulna, Sialkot and Murree ½" each, Rawalpindi, Fort Sandeman and Jacobabad ¼" each on the 26th; Srimangal 1½", Badin ¾", Umarkot ¼" on the 27th; Comilla 5", Cox's Bazar and Rangpur and Narayanganj 1½" each, Khulna 1", Murree, Sialkot, Lahore, Rawalpindi, Leiah and Umarkot ½" each on the 28th, Comilla and Khulna 4" each, Lahore 3", Satkhira 2", Dinajpur 1½", Sialkot ½" on the 29th; Faridpur and Srimangal 1" each, Jessore and Dinajpur ½" each on the 30th; Cox's Bazar 2", Srimangal 1", Sirajganj ½" on the 31st; Chittagong and Jhelum 3" each, Bannu and Rawalpindi 2" each, Comilla, Narayanganj and Murree 1½" each on the 1st.

Day temperatures were appreciably to markedly above normal in Sind from the 25th to 27th, in the North-West Frontier Province on the 25th and 31st and in the Punjab on the 25th. They were markedly to considerably below normal in the north Punjab on the 28th and 29th and in the Northern sub-division of East Pakistan on the 28th.

2. EAST PAKISTAN: Nearly general rain occurred on three days each in all the sub-divisions. It occurred locally on four days in the Deltaic sub-division, and on three days each in the Eastern and Northern sub-divisions. A few falls were also recorded on one day in the Eastern sub-division.

KASHMIR: Data not available.

PUNJAB: Rainfall was nearly general on one day and local on three days in the north Punjab. A few falls were also recorded on three days in the north Punjab and on two days in the south Punjab.

NORTH-WEST FRONTIER PROVINCE: Rainfall occurred at a few stations on three days.

BALUCHISTAN: A few falls occurred in north Baluchistan on three days and in south Baluchistan on two days.

SIND: Rainfall was local on one day and scattered on two days.

JUNAGADH: Data not available.

3. The week's rainfall was normal in the Eastern and Deltaic sub-divisions of East Pakistan and the north Punjab. It was deficient in the Nothern sub-division of East Pakistan and Sind and scanty elsewhere.

Rainfall for the period from 1st June 1951 to date was normal in East Pakistan, deficient in the north Punjab and scanty elsewhere.

4. The table overleaf summarises the rainfall statistics for the eleven sub-divisions of Pakistan both for the week and for the period from 1st June 1951 to date.

KARACHI-11.
The 1st August, 1951.

MOHAMMAD SHABBAR,
for Director, Meteorological Service.

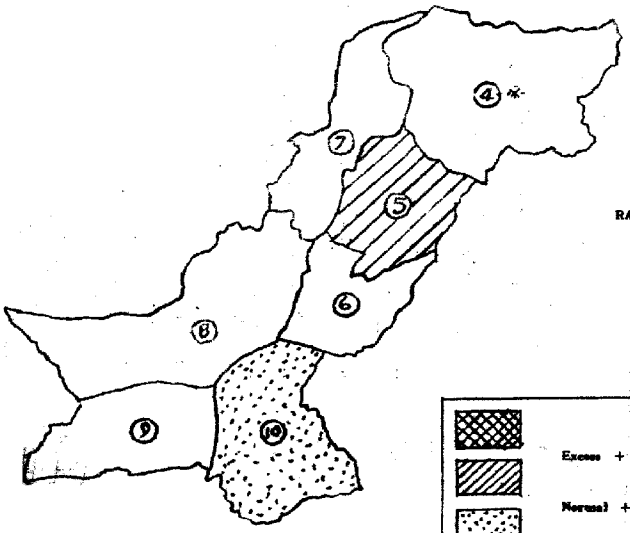
WEEKLY WEATHER REPORT

Division	Rainfall for week ending on 1st August, 1951.			Rainfall for period from 1-6-1951 to 1st August, 1951.			
	Actual †	Normal	Excess or defect	Actual †	Normal	* Excess or defect	
						Inches	Per cent
1	2	3	4	5	6	7	8
1. East Pakistan (East)	4.1	4.7	− 0.5	40.7	38.2	+ 2.4	+ 6
2. East Pakistan (Deltaic)	3.0	3.3	− 0.3	23.3	27.2	− 3.9	− 14
3. East Pakistan (North)	1.8	3.3	− 1.5	33.1	28.6	+ 4.5	+ 16
4. Kashmir ††	....	....	....	....	....	....	....
5. North Punjab	1.7	1.5	+0.2	4.2	7.7	− 3.5	− 45
6. South Punjab	0.1	0.7	− 0.7	0.9	2.9	− 2.0	− 68
7. N. W. F. P.	0	0.5	− 0.5	0.7	2.4	− 1.6	− 69
8. North Baluchistan	0	0.4	− 0.4	0.2	1.6	− 1.4	− 87
9. South Baluchistan	0	0.1	− 0.1	0.2	0.7	− 0.5	− 74
10. Sind	0.3	0.5	− 0.2	0.9	3.2	− 2.3	− 73
11. Junagadh ††	....	....	....	....	....	....	....

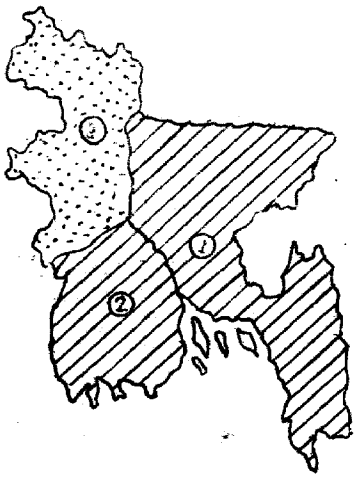
* In the calculation of excesses and defects, and their percentages, rainfall figures are taken correct to 0·01".

† Rainfall of stations having no normals is not included.

†† Data not available



RAINFALL FOR THE WEEK ENDING 1-8-1951



Excess + 20 % or more

Normal + 19% to −19 %

Deficient − 20% to 59 %

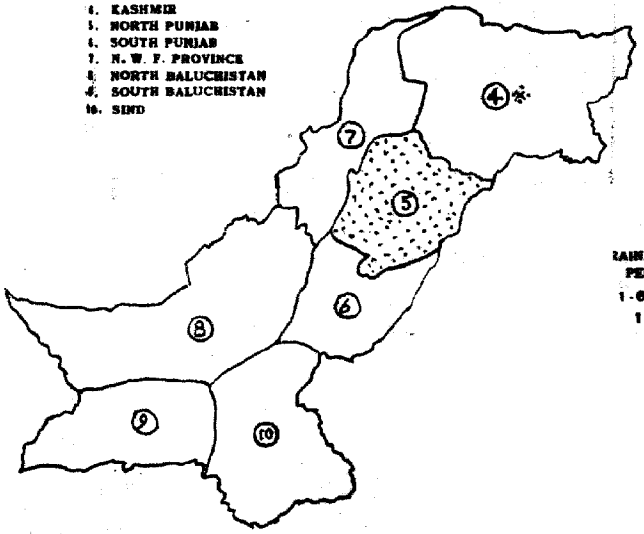
Scanty − 60 % or less

WEST PAKISTAN

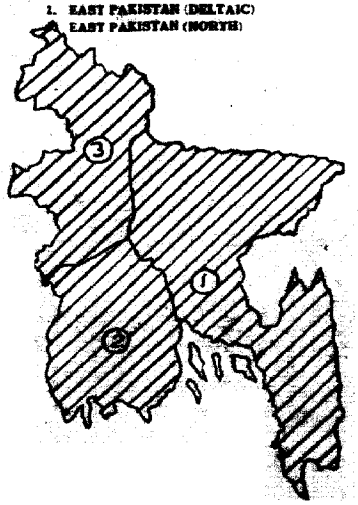
4. KASHMIR
5. NORTH PUNJAB
6. SOUTH PUNJAB
7. N. W. F. PROVINCE
8. NORTH BALUCHISTAN
9. SOUTH BALUCHISTAN
10. SIND

EAST PAKISTAN

1. EAST PAKISTAN (EAST)
2. EAST PAKISTAN (DELTAIC)
3. EAST PAKISTAN (NORTH)



RAINFALL FOR THE PERIOD FROM 1-6-1951 TO 1-8-1951



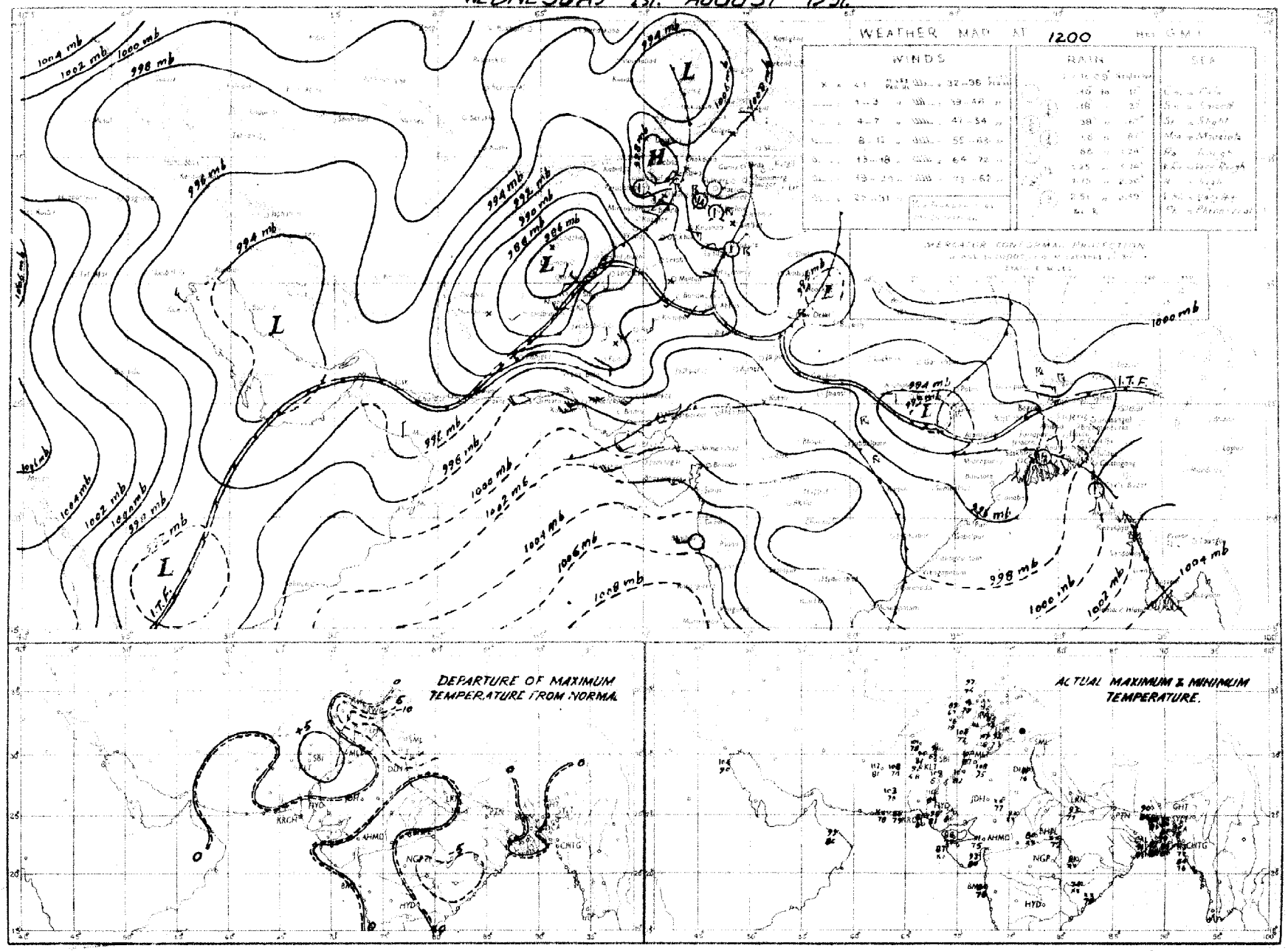
SCALE—[illegible] MILES—1"

SCALE—[illegible] MILES—1"

* Data not available.

PAKISTAN DAILY WEATHER MAP

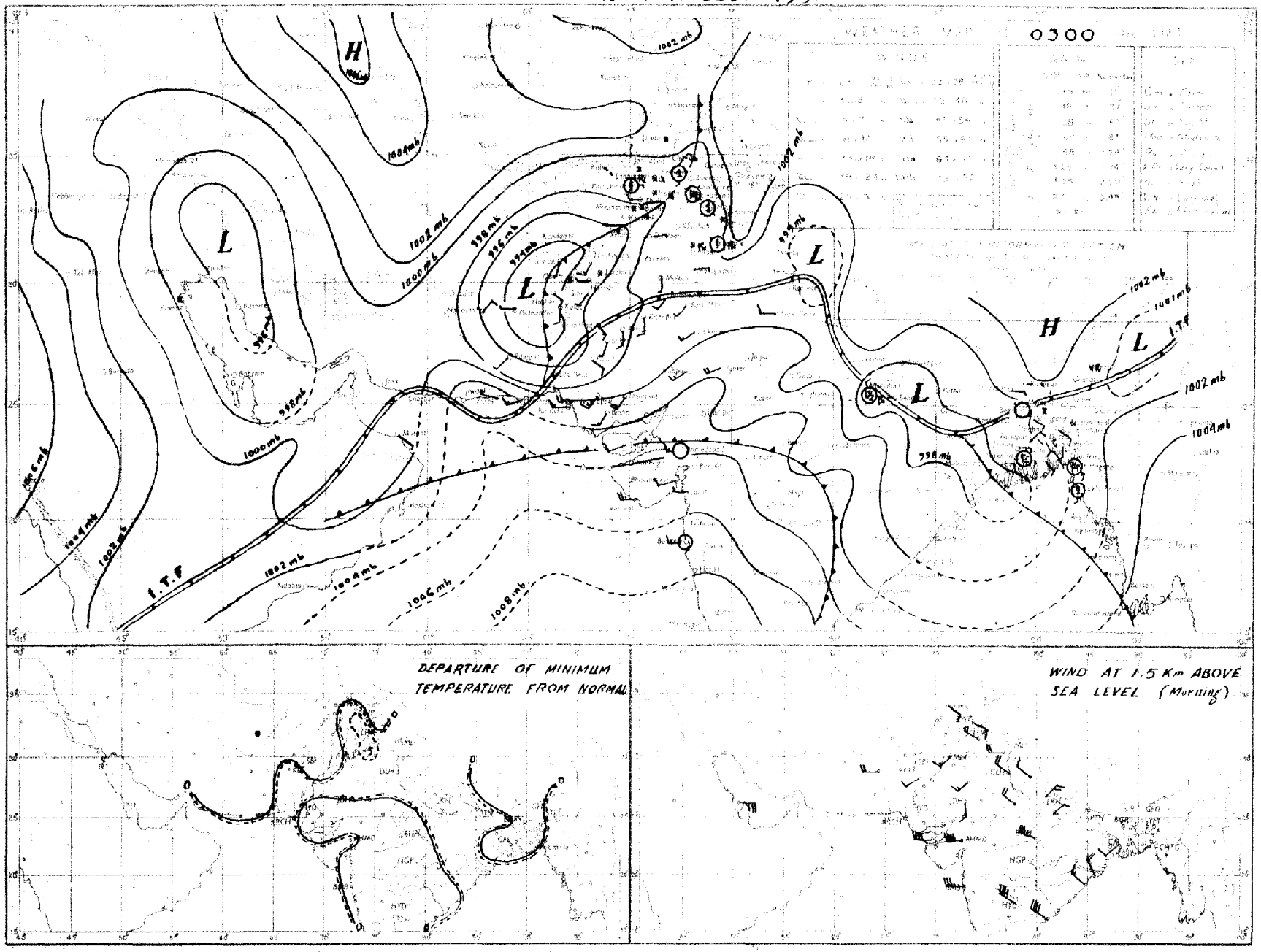
WEDNESDAY 1st. AUGUST 1951.



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

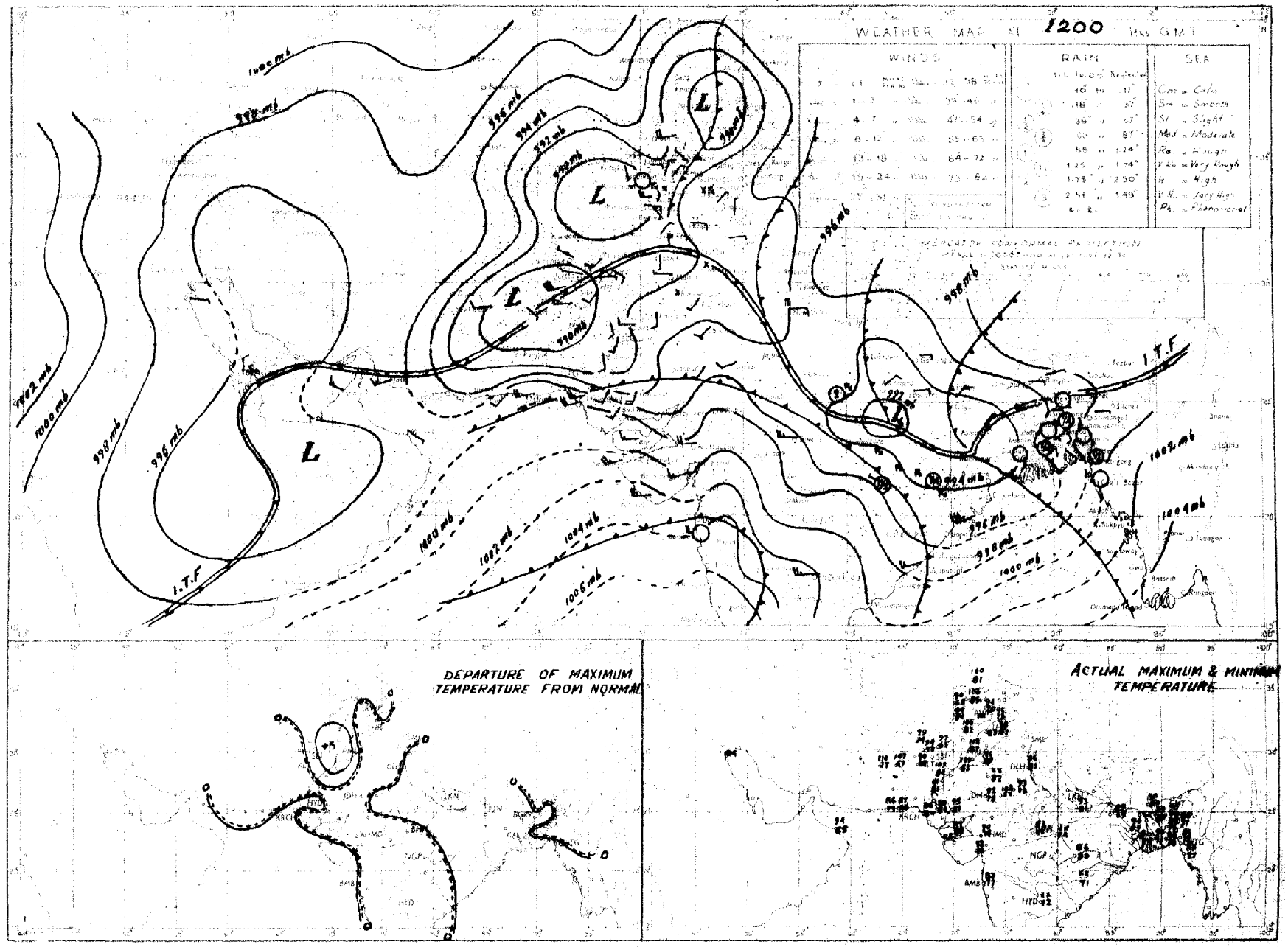
THURSDAY 2nd. AUGUST · 1951



Rainfall amounts indicated in the above chart refer to past 24 hours

PAKISTAN DAILY WEATHER MAP

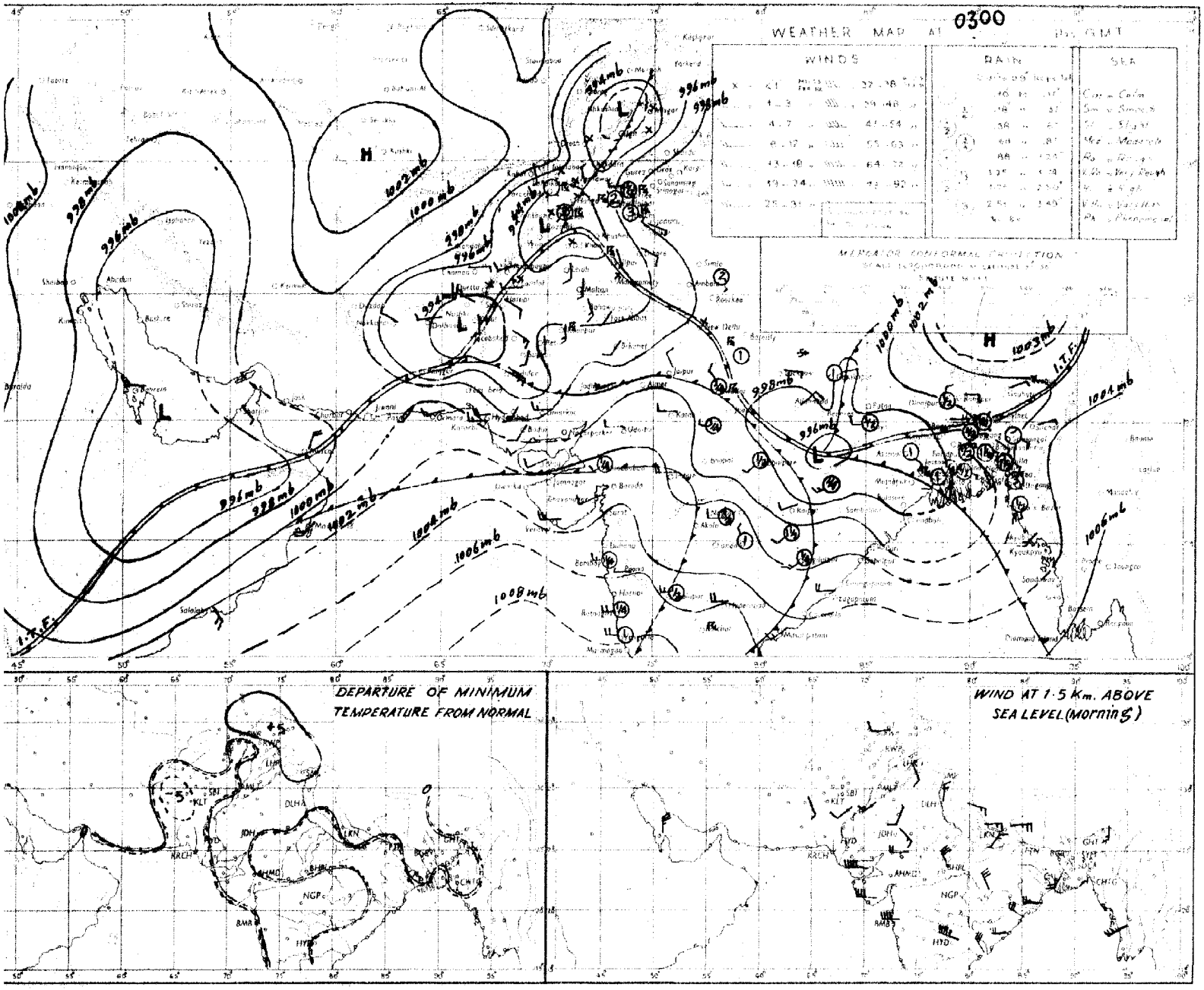
TUESDAY 31st: JULY 1951



Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER MAP

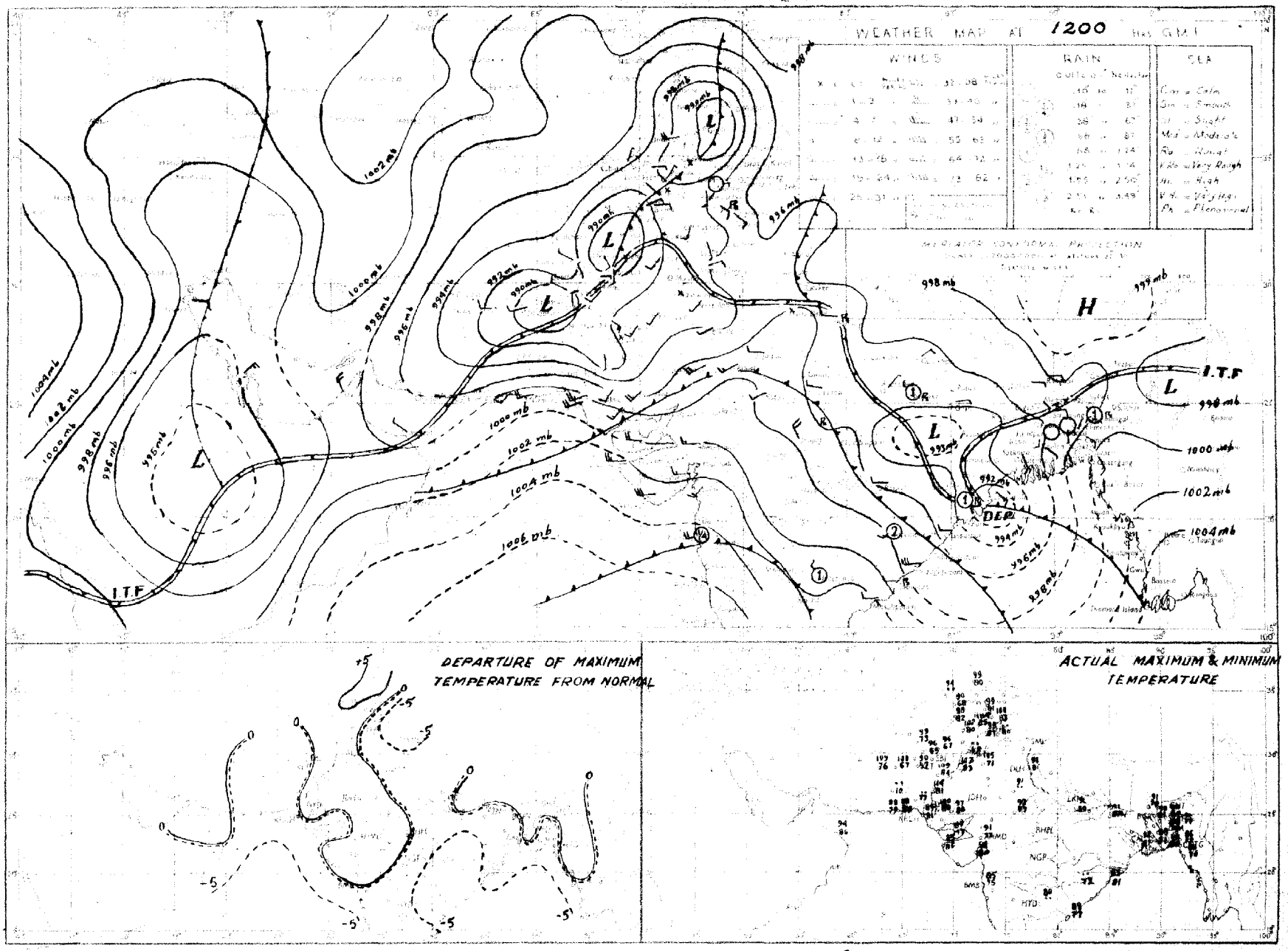
WEDNESDAY 1st AUGUST 1951



Rainfall amounts indicated in the above chart refer to past 24 hours.

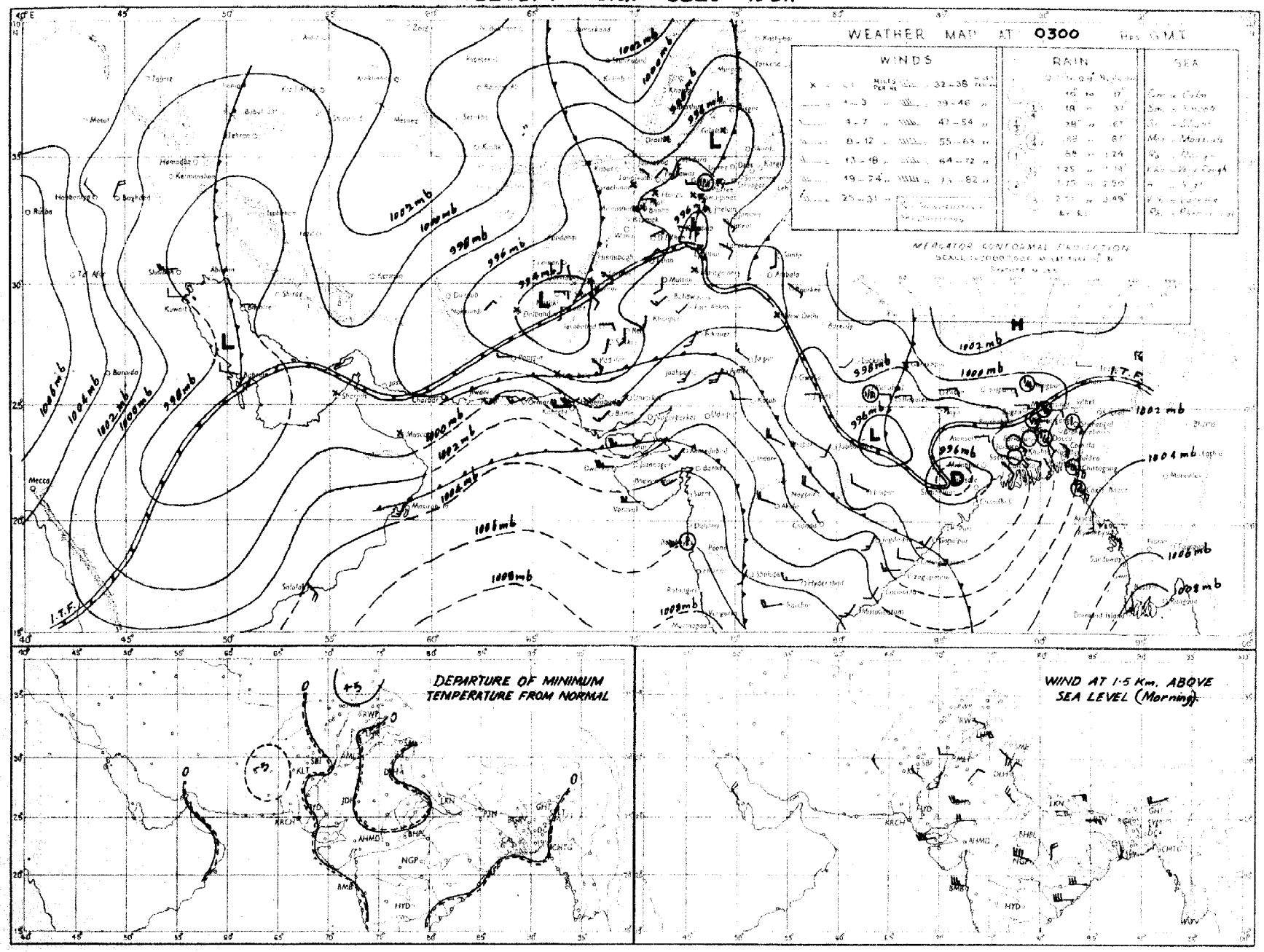
PAKISTAN DAILY WEATHER MAP

MONDAY · 30th · JULY · 1951



PAKISTAN DAILY WEATHER MAP

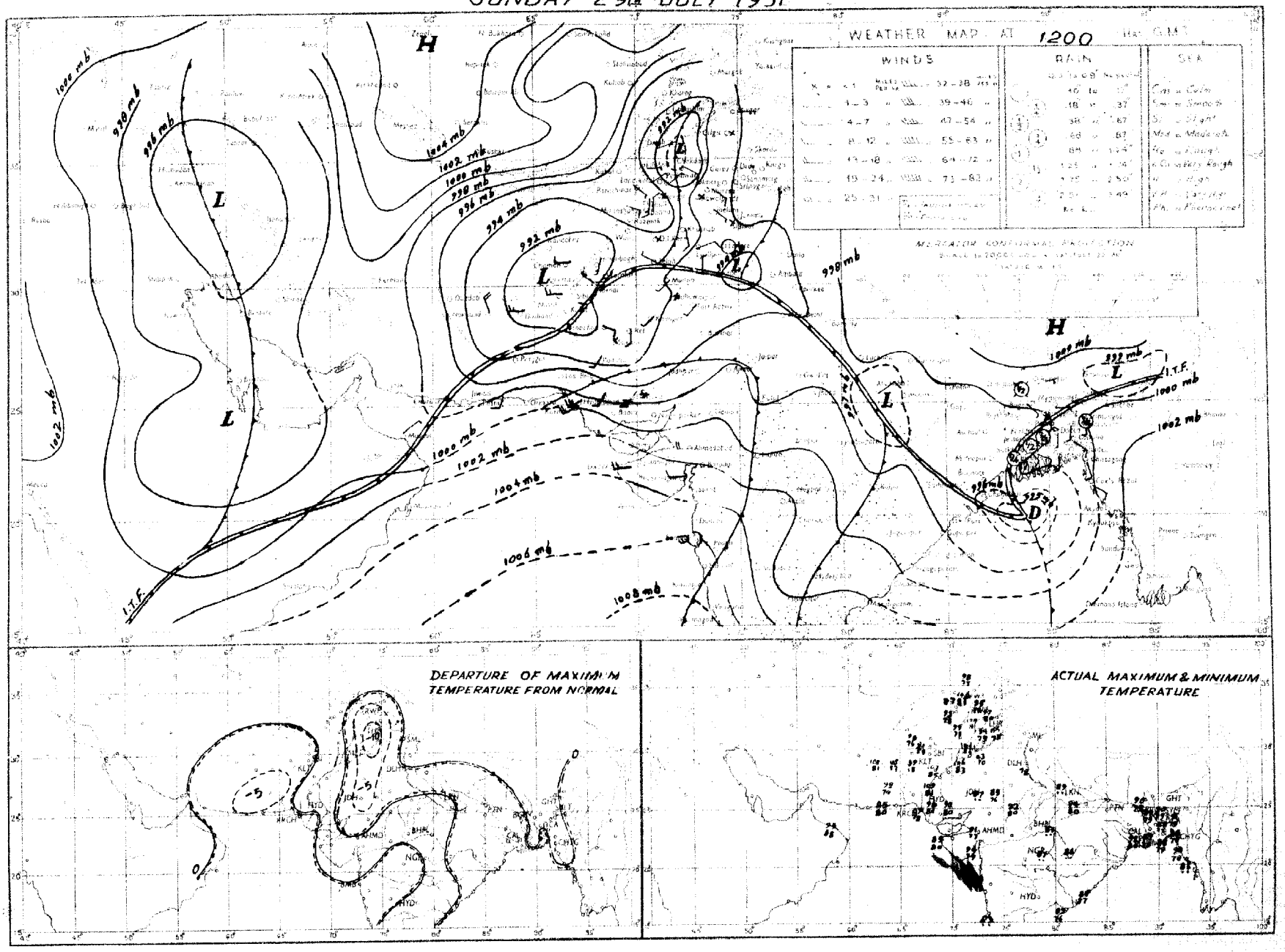
TUESDAY 31st. JULY 1951.



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

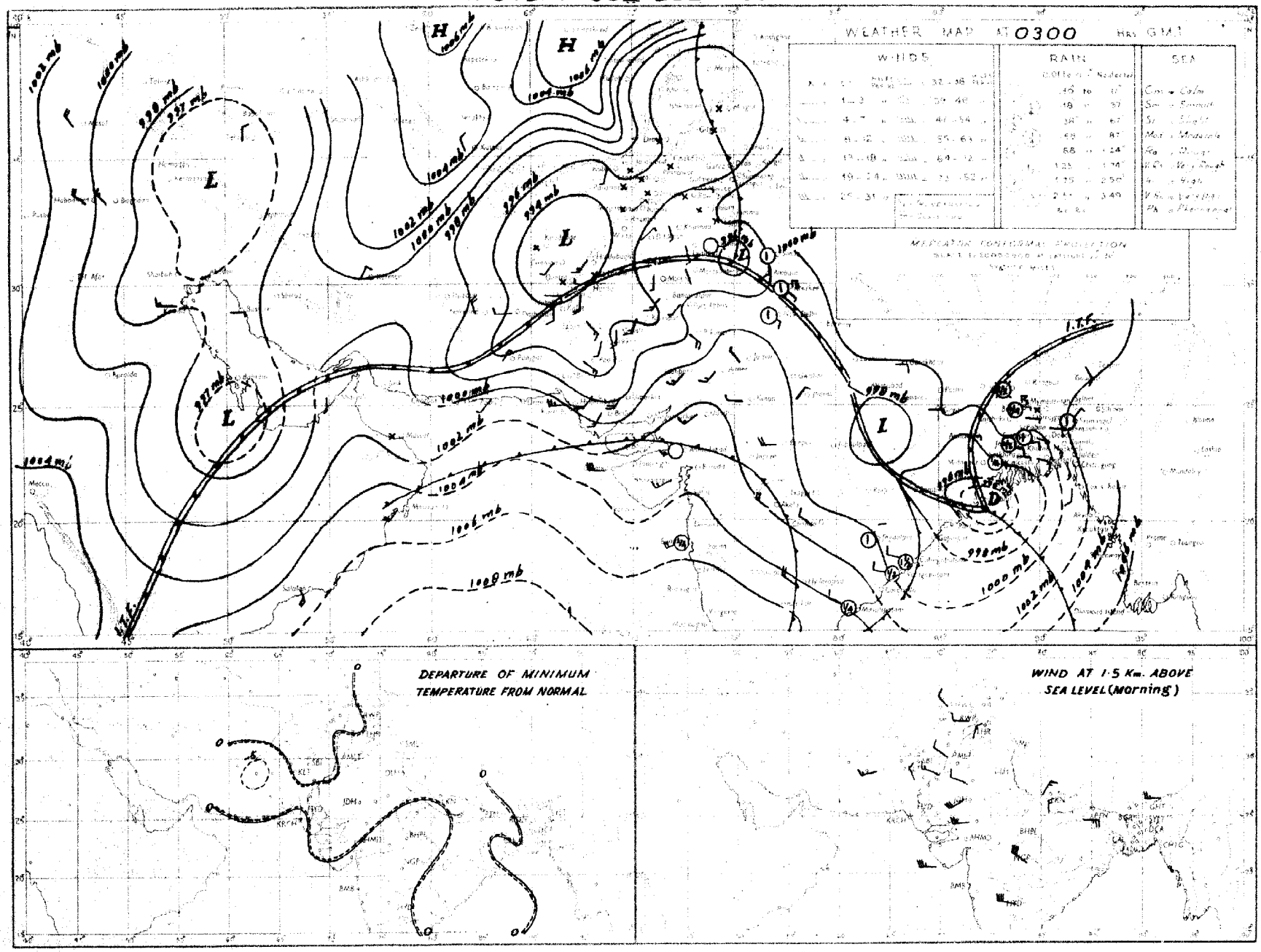
SUNDAY 29TH JULY 1951



Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER MAP

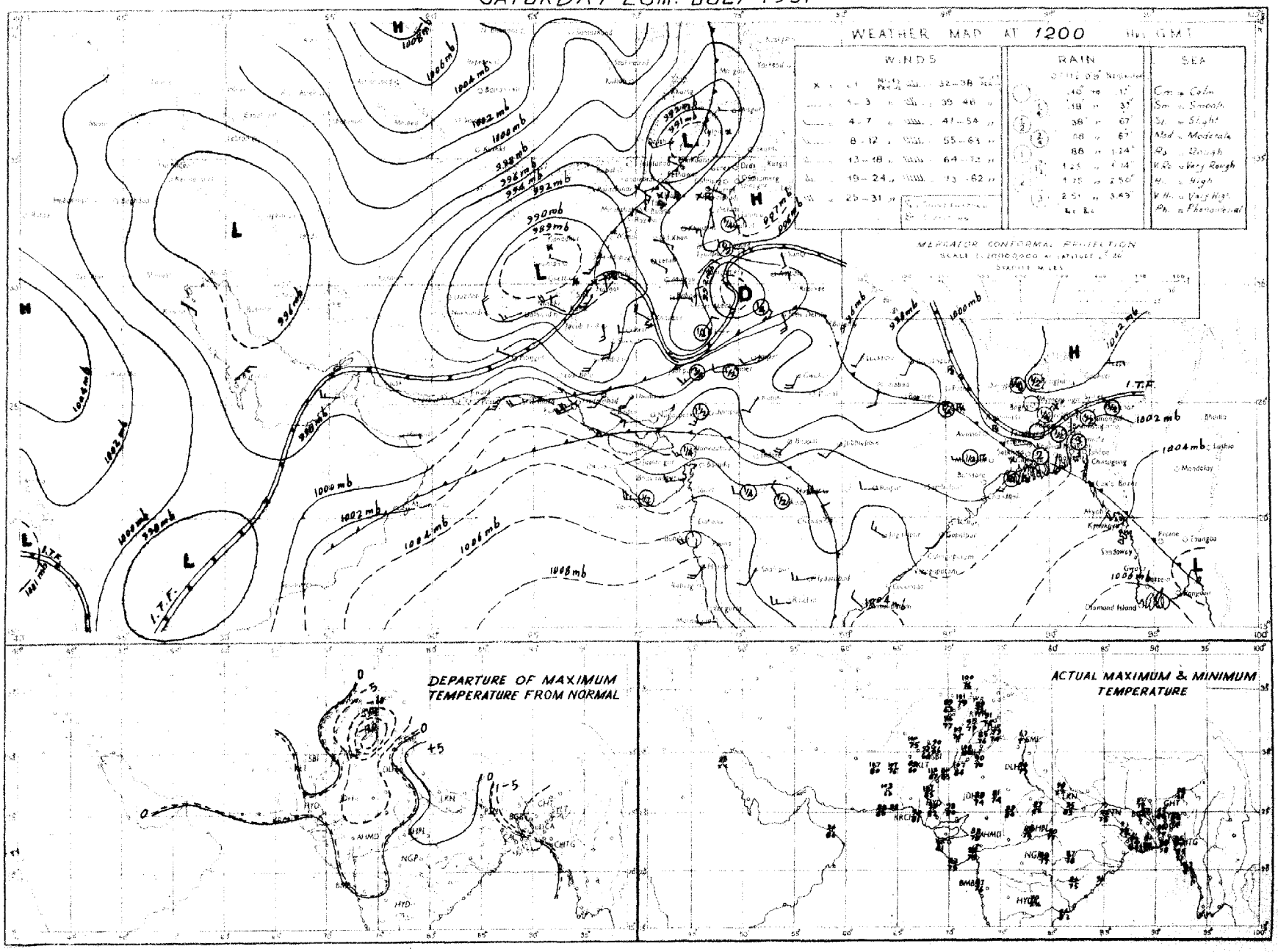
MONDAY 30TH JULY 1951



Rainfall amounts indicated on the above chart refer to period 24 hrs.

PAKISTAN DAILY WEATHER MAP

SATURDAY 28th: JULY 1951

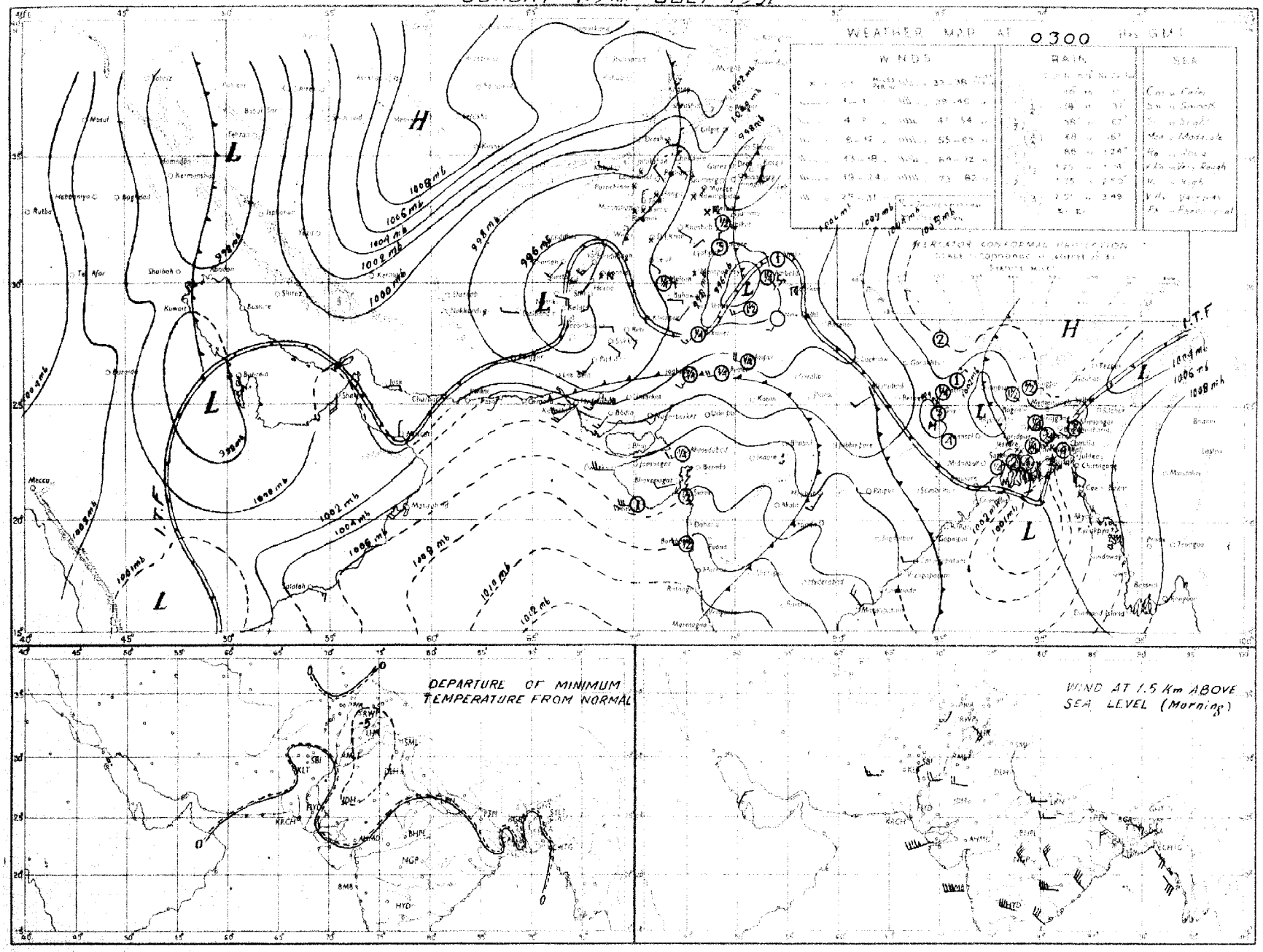


Rainfall amounts indicated in the above chart refer to past 9 hours.

PRINTED AT THE SURVEY OF PAKISTAN OFFICES, RAWALPINDI.

PAKISTAN DAILY WEATHER MAP

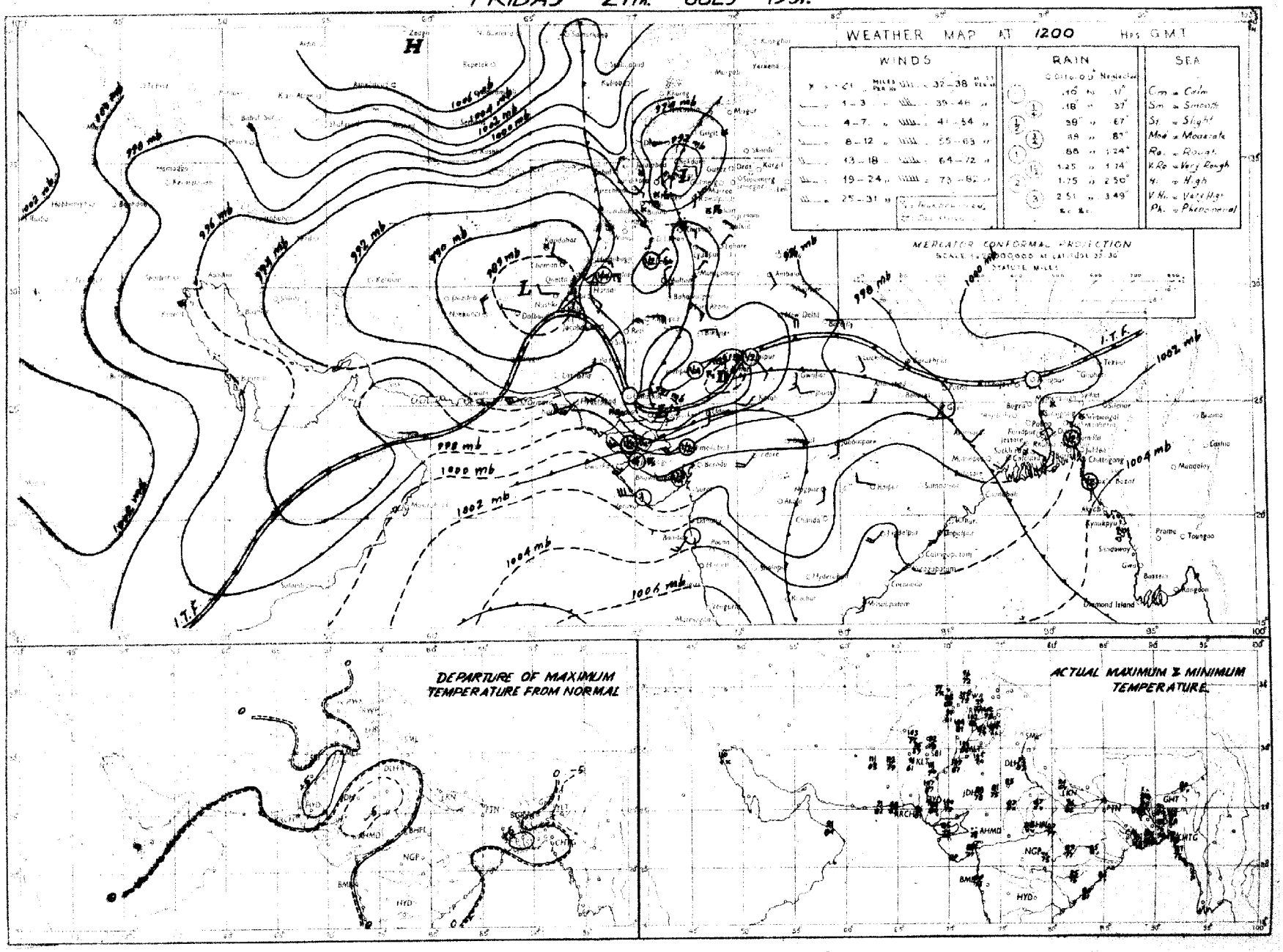
SUNDAY 29th JULY 1951



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

FRIDAY 27th. JULY 1951.

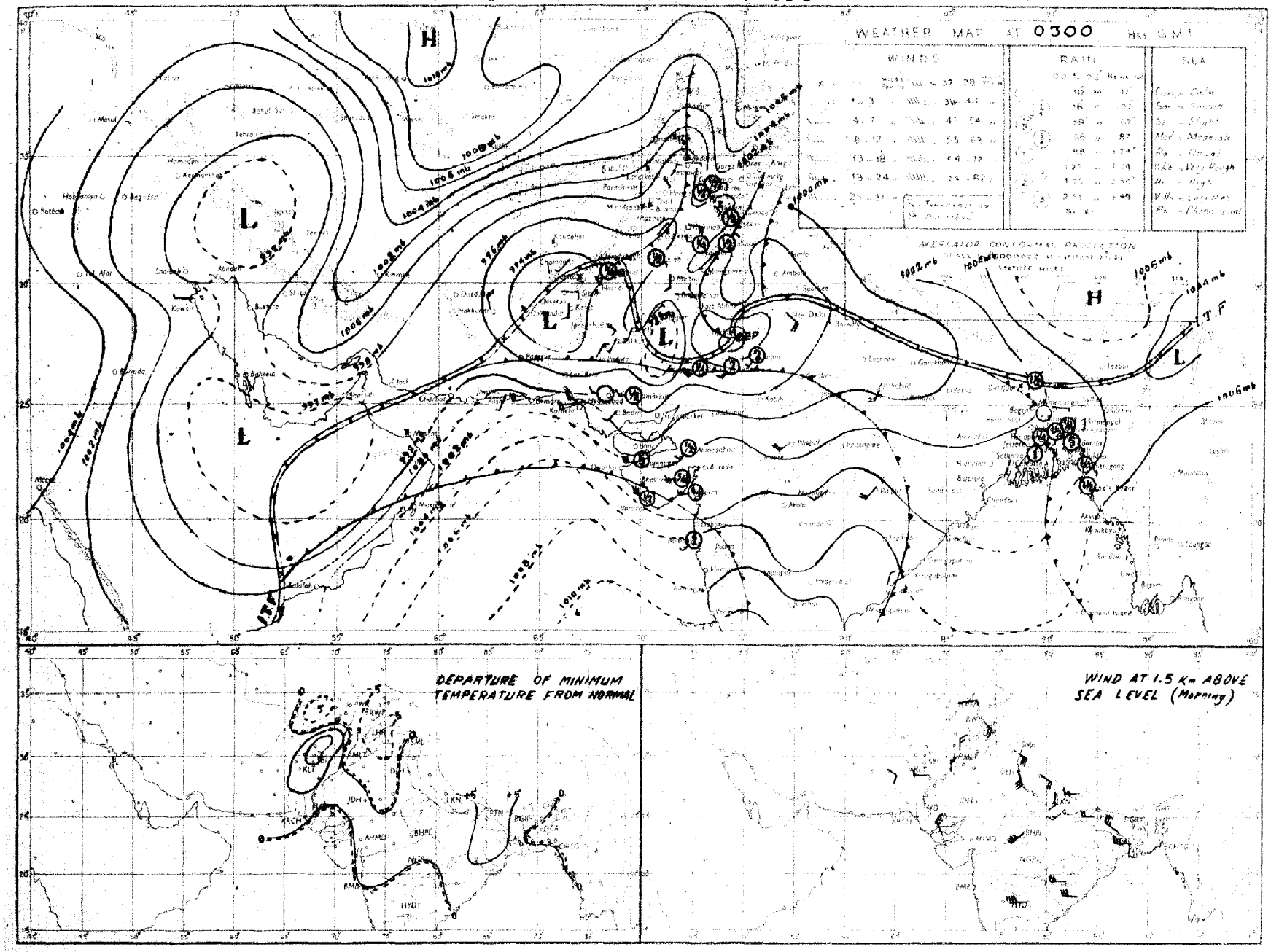


Rainfall amounts indicated in the above chart refer to past 9 hours.

PRINTED AT THE SURVEY OF PAKISTAN OFFICE, RAWALPINDI.

PAKISTAN DAILY WEATHER MAP

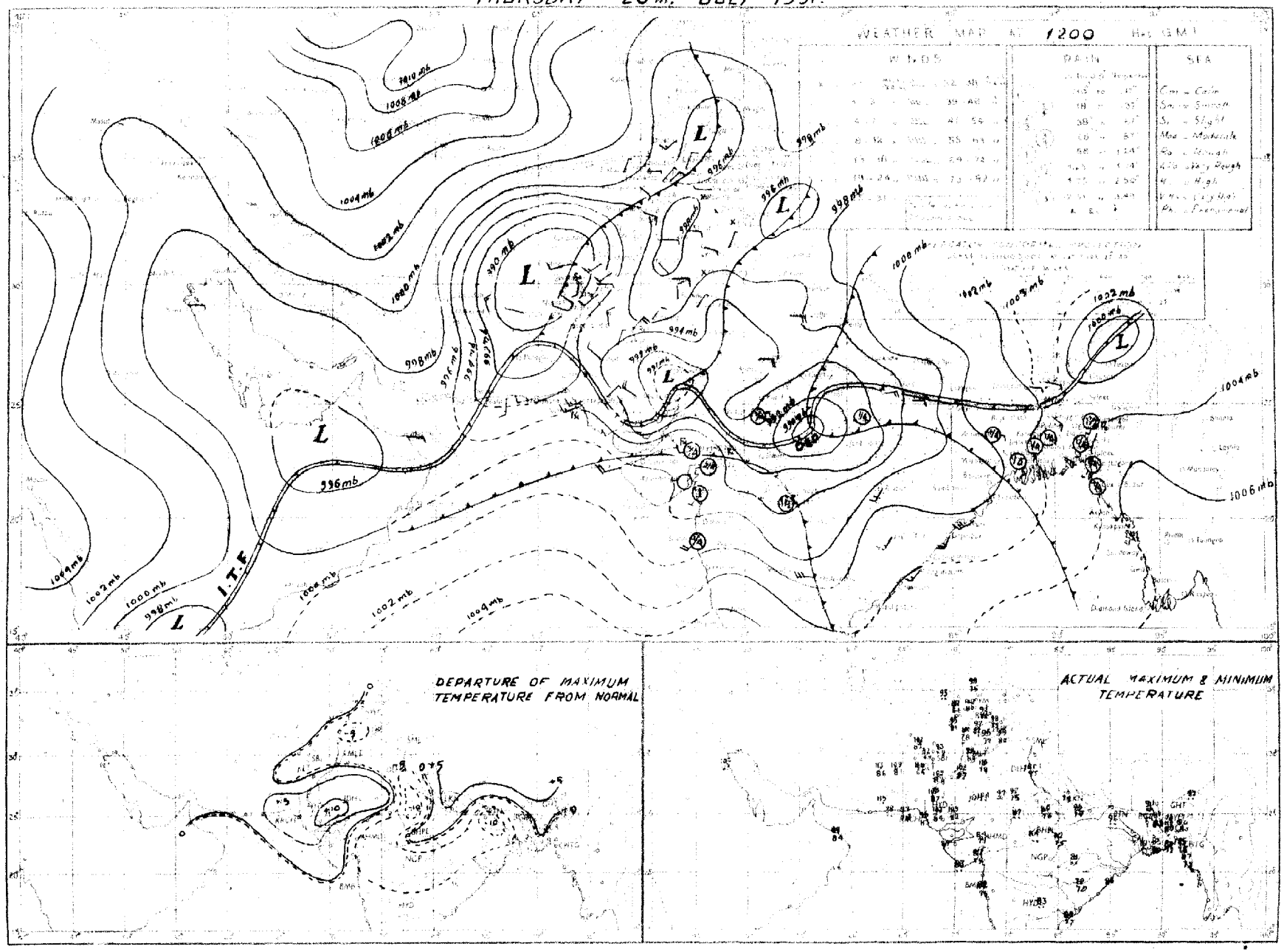
SATURDAY 28th JULY 1951



Rainfall amounts indicated in the above chart refer to past 24 hours

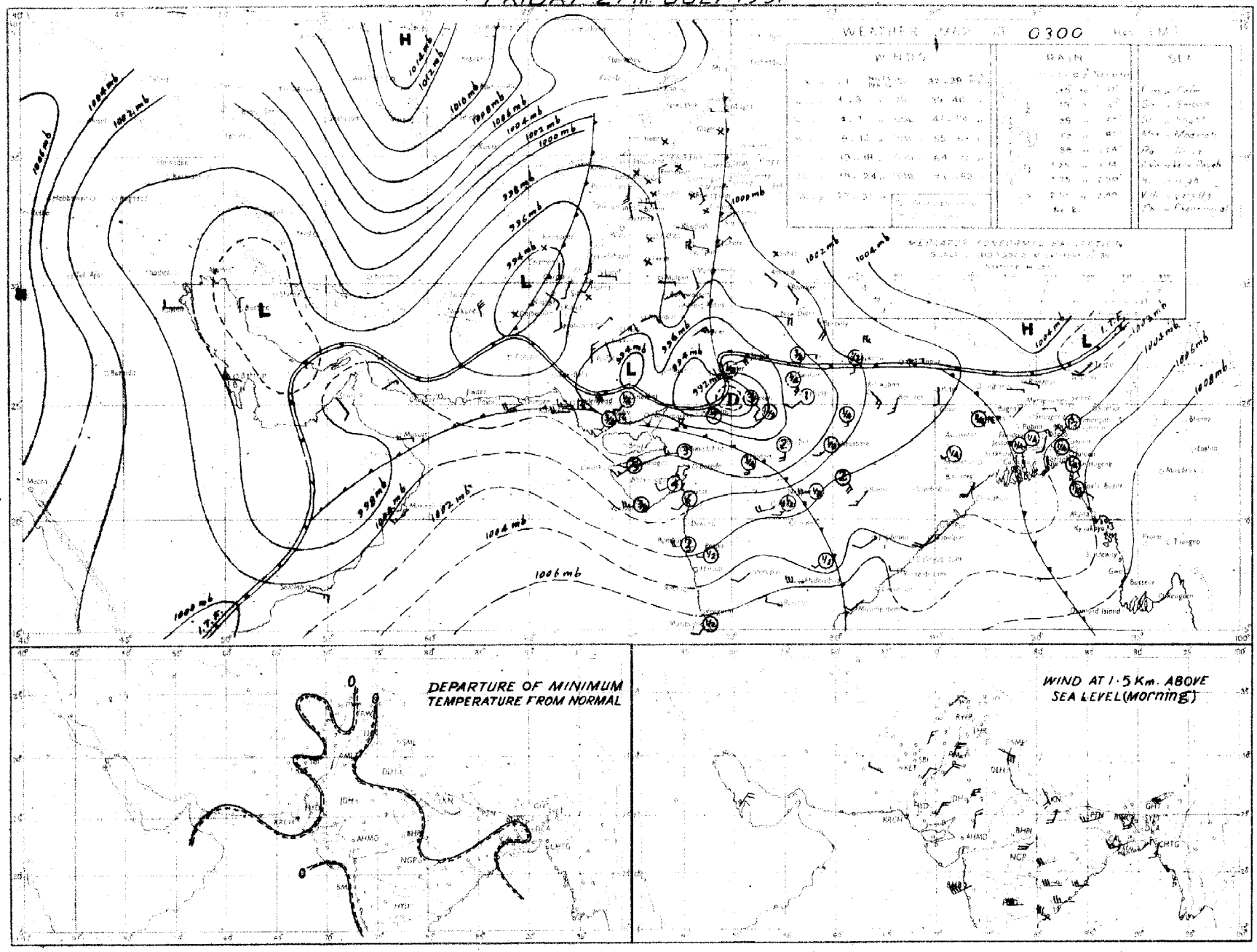
PAKISTAN DAILY WEATHER MAP

THURSDAY 26th JULY 1951.



PAKISTAN DAILY WEATHER MAP

FRIDAY 27th JULY 1951



Rainfall amounts indicated in the above [illegible] are [illegible] 24 hours

Regd. No. S-1451.

WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G. M. T. on Wednesday, the 8th August, 1951.

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APR 26 1952
WEATHER BUREAU

—o:O:o—

SUMMARY OF WEATHER.

A depression forming in the north Bay of Bengal with its central region within one degree latitude 18°N and longitude 88°E on the morning of the 3rd moved inland across Orissa coast on the night of the 4th and became diffused thereafter. A well marked trough appeared in the northwest angle of the Bay on the 6th, moved inland on the next day and was lying as an extensive low from Gujarat to Central Provinces on the last day of the week and was causing incursion of monsoon into West Pakistan.

In association with the seasonal low which was extending from Baluchistan to the plains of Punjab practically throughout the week, thunderstorms/showers occurred in the north Punjab and north Baluchistan and dust/thunderstorms in the North-West Frontier Province during the week.

Monsoon remained active in East Pakistan practically throughout the week.

Some of the noteworthy amounts of rainfall recorded during the week were :—Cox's Bazar, Lahore, Jhelum, Cherat and Parachinar 1″ each; Khulna ½″, Rawalpindi and Chittagong ¼″ each on the 2nd; Lahore 1″ on the 3rd; Srimangal and Brahmanbaria 1½″ each, Jhelum 1″, and Sialkot ½″ on the 4th; Cox's Bazar 1½″, Jhelum ¾″, Murree, Narayanganj, Mymensingh and Fort Sandeman ½″ each on the 5th; Cox's Bazar 3″, Chittagong 1″, Satkhira, Jessore, Sirajganj and Rangpur ½″ each on the 6th; Cox's Bazar 3″, Jessore and Barisal ½″ each on the 7th; Srimangal 1″, Satkhira, Jessore Jhelum and Rawalpindi ½″ each on the 8th.

Day temperatures were appreciably to markedly above normal in northeast Baluchistan and the south Punjab from 1st to 3rd and on the 7th, in the North-West Frontier Province on the 6th and 7th, and in the Northern districts of East Pakistan on the 3rd. They were markedly to considerably below normal in the north Punjab on the 1st and 7th.

2. EAST PAKISTAN: Rainfall was nearly general on three days in the Deltaic sub-division, on two days in the Eastern sub-division and on one day in the Northern sub-division. It occurred locally on three days each in the Eastern and Deltaic sub-divisions and on one day in the Northern sub-division. A few falls were also recorded on two days in the Eastern sub-division and on one day each in the Deltaic and Northern sub-divisions.

KASHMIR: Data not available.

PUNJAB: Rainfall was nearly general on one day and local on three days in the north Punjab where a few falls were also recorded on one day.

NORTH-WEST FRONTIER PROVINCE: A few falls occurred over the hills on one day.

BALUCHISTAN: A few falls were recorded in north Baluchistan on two days.

SIND: Weather remained dry.

JUNAGADH: Data not available.

3. The week's rainfall was deficient in the Eastern and Deltaic sub-divisions of East Pakistan, the north Punjab and north Baluchistan and scanty in the Northern sub-division of East Pakistan. No rain fell elsewhere.

Rainfall for the period from 1st June 1951 to date was normal in East Pakistan, deficient in the north Punjab and scanty elsewhere.

4. The table overleaf summarises the rainfall statistics for the eleven sub-divisions of Pakistan both for the week and for the period from 1st June 1951 to date.

KARACHI-11.
The 8th August, 1951.

MOHAMMAD SHABBAR,
for Director, Meteorological Service.

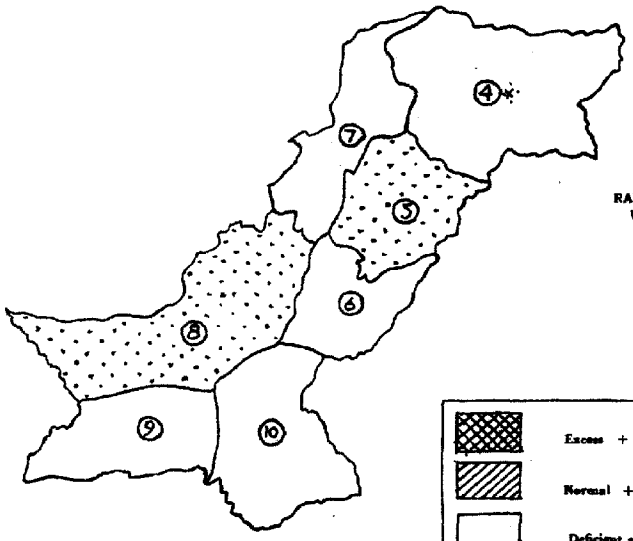
WEEKLY WEATHER REPORT

Division	Rainfall for week ending on 8th August, 1951.			Rainfall for period from 1-6-1951 to 8th August, 1951.			
	Actual †	Normal	Excess or defect	Actual †	Normal	* Excess or defect	
						Inches	Per cent
1	2	3	4	5	6	7	8
1. East Pakistan (East)	2.3	3.9	− 1.5	43.0	42.1	+ 0.9	+ 2
2. East Pakistan (Deltaic)	1.2	2.9	− 1.7	24.5	30.1	− 5.6	− 19
3 East Pakistan (North)	0.4	2.8	− 2.4	33.6	31.5	+ 2.1	+ 7
4. Kashmir ††	....	....	....	....	....	....	....
5. North Punjab	0.6	1.4	− 0.8	4.8	9.1	− 4.3	− 47
6. South Punjab	0	0.7	− 0.7	0.9	3.5	− 2.6	− 74
7. N. W. F. P.	0	0.7	− 0.7	0.7	3.0	− 2.3	− 76
8. North Baluchistan	0.1	0.3	− 0.1	0.3	1.8	− 1.5	− 82
9. South Baluchistan	0	0.1	− 0.1	0.2	0.8	− 0.6	− 77
10. Sind	0	0.4	− 0.4	0.9	3.6	− 2.7	− 76
11. Junagadh ††	....	....	....	....	....	....	....

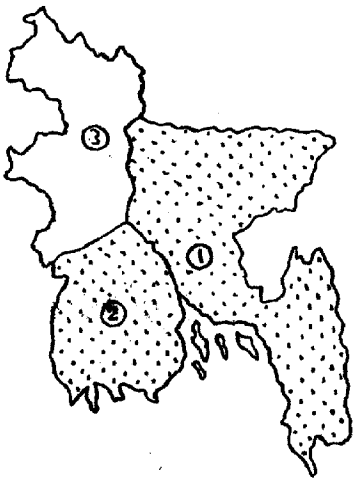
* In the calculation of excesses and defects, and their percentages, rainfall figures are taken correct to 0·01".

† Rainfall of stations having no normals is not included.

†† Data not available



RAINFALL FOR THE WEEK ENDING 8-8-1951



Excess + 20 % or more

Normal + 19% to − 19 %

Deficient − 20% to − 59 %

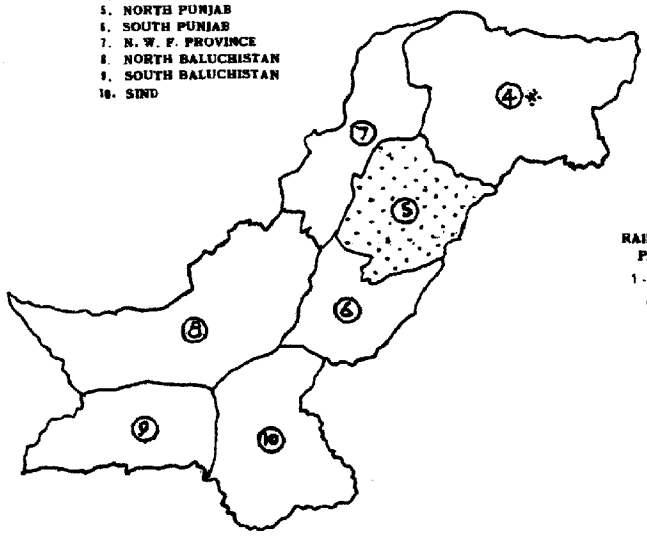
Scanty − 60 % or less

WEST PAKISTAN

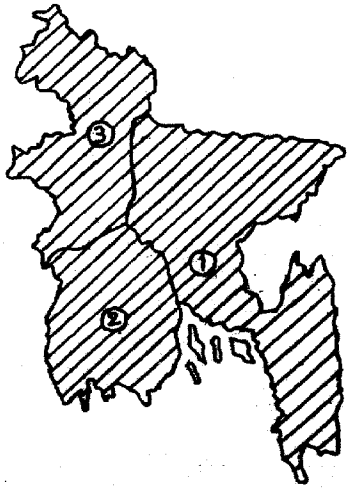
4. KASHMIR
5. NORTH PUNJAB
6. SOUTH PUNJAB
7. N. W. F. PROVINCE
8. NORTH BALUCHISTAN
9. SOUTH BALUCHISTAN
10. SIND

EAST PAKISTAN

1. EAST PAKISTAN (EAST)
2. EAST PAKISTAN (DELTAIC)
3. EAST PAKISTAN (NORTH)



RAINFALL FOR THE PERIOD FROM 1-6-1951 TO 8-8-1951



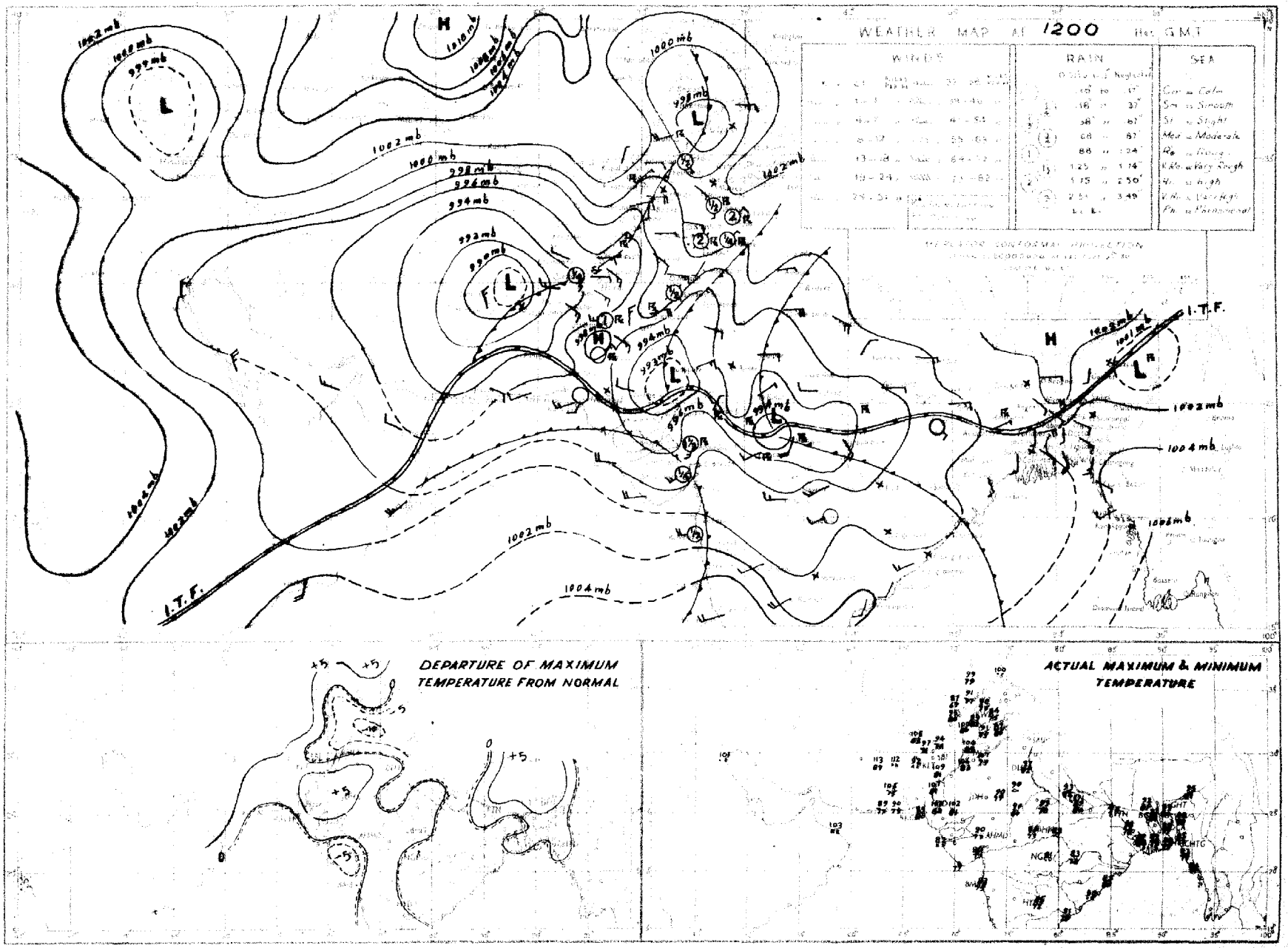
SCALE—250 MILES—1"

SCALE—120 MILES—1"

* Data not available.

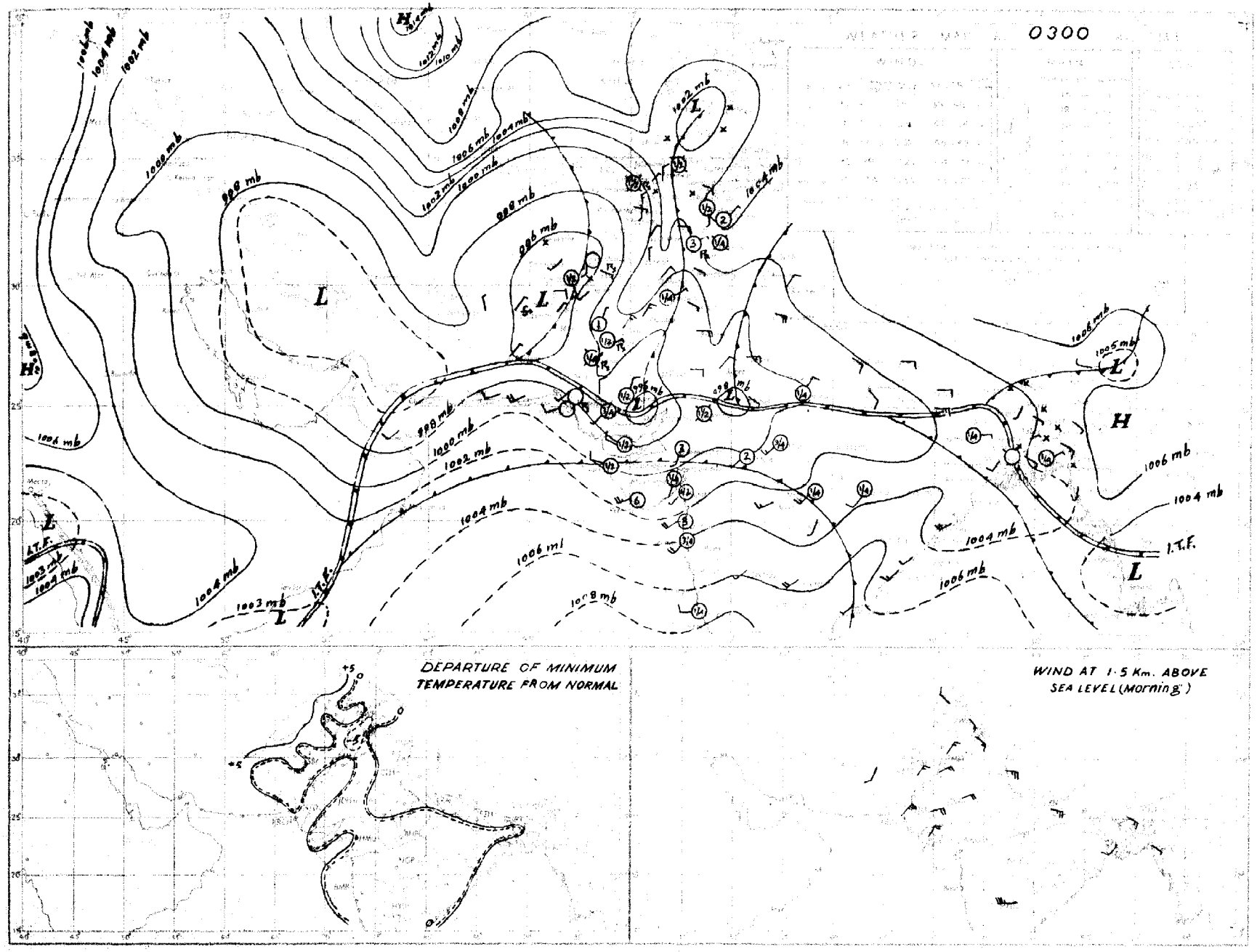
PAKISTAN DAILY WEATHER MAP

WEDNESDAY 8th: AUGUST 1951



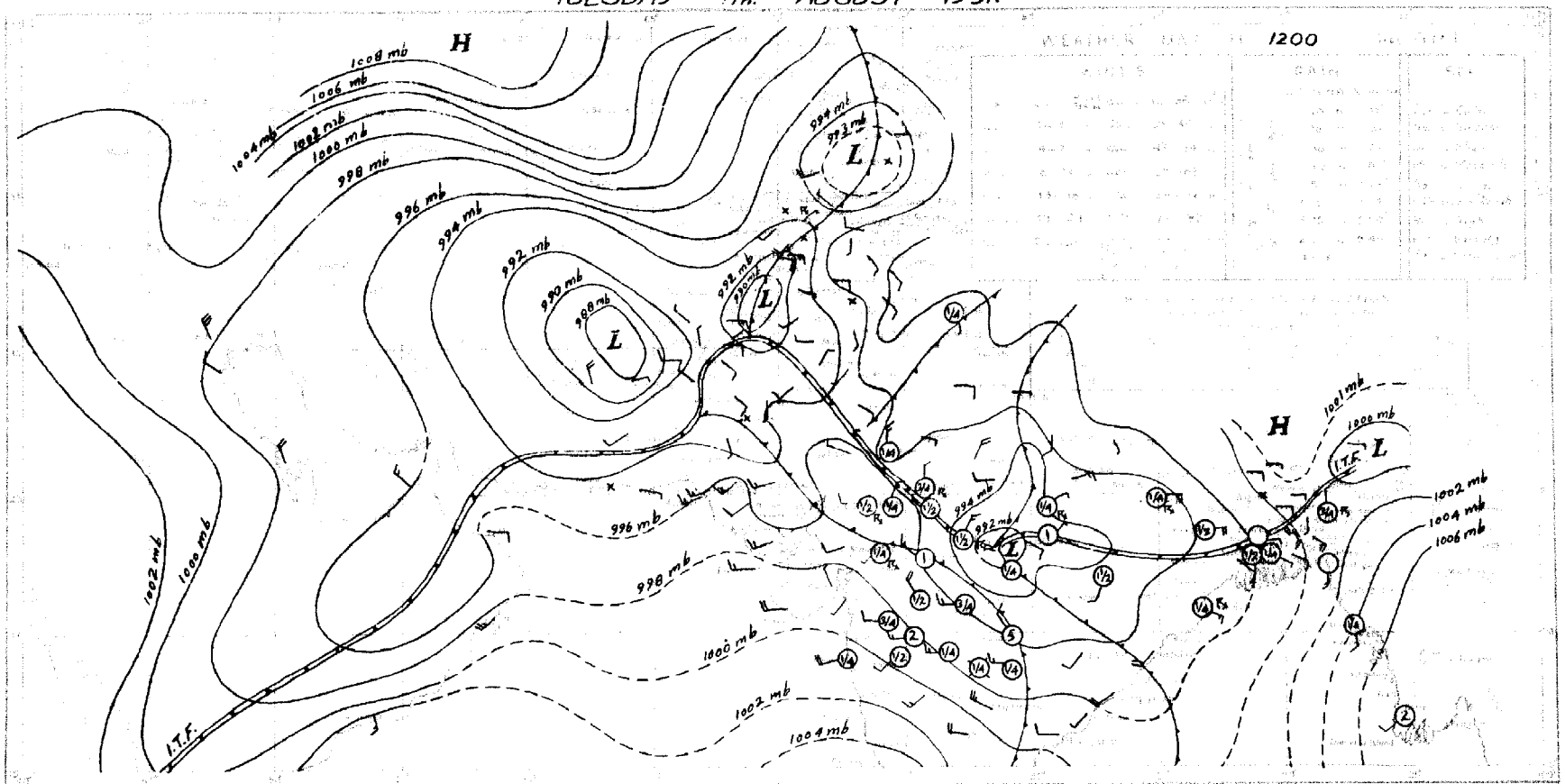
PAKISTAN DAILY WEATHER MAP

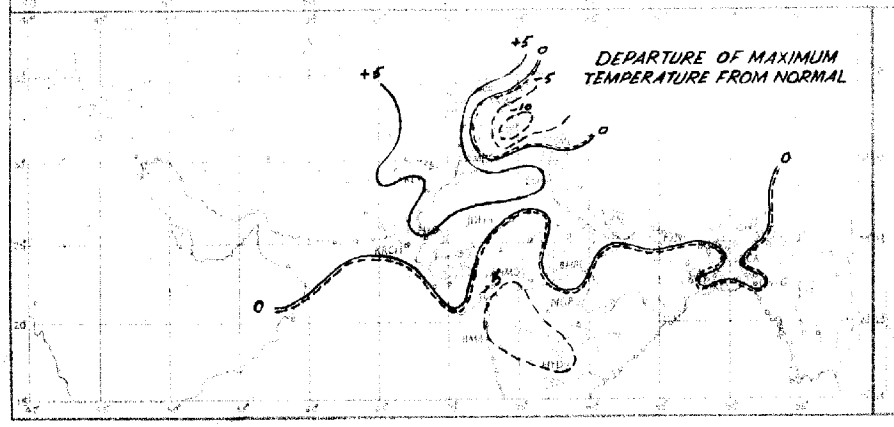
THURSDAY 9th: AUGUST 1951

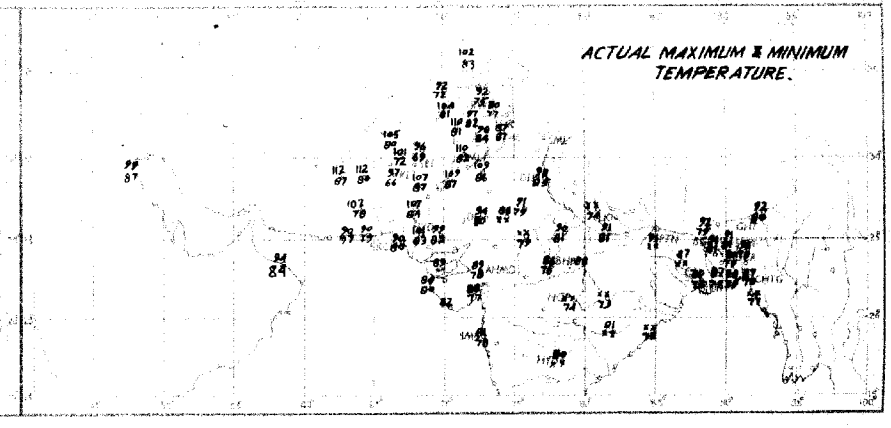


PAKISTAN DAILY WEATHER MAP

TUESDAY 7th. AUGUST 1951.



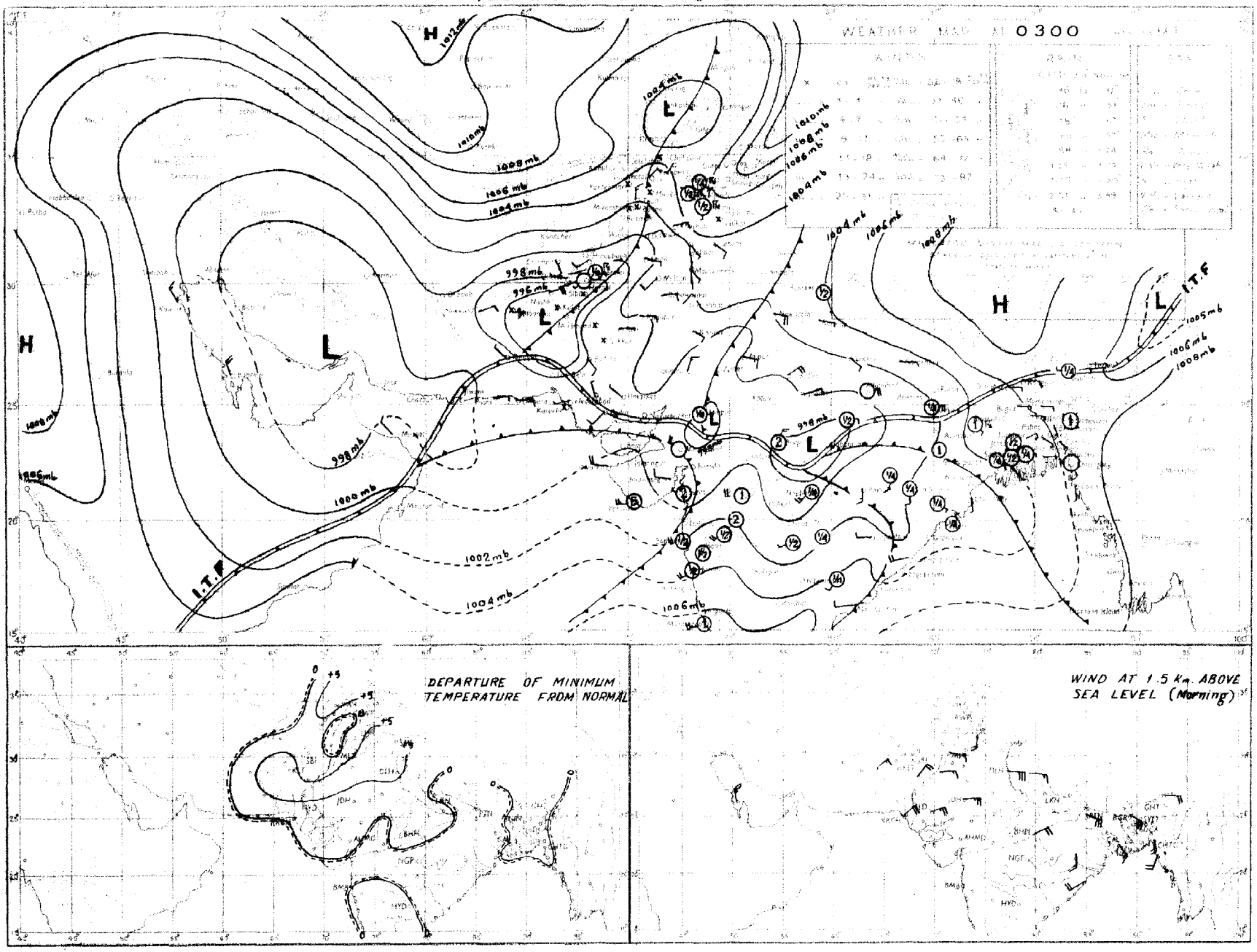




Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER MAP

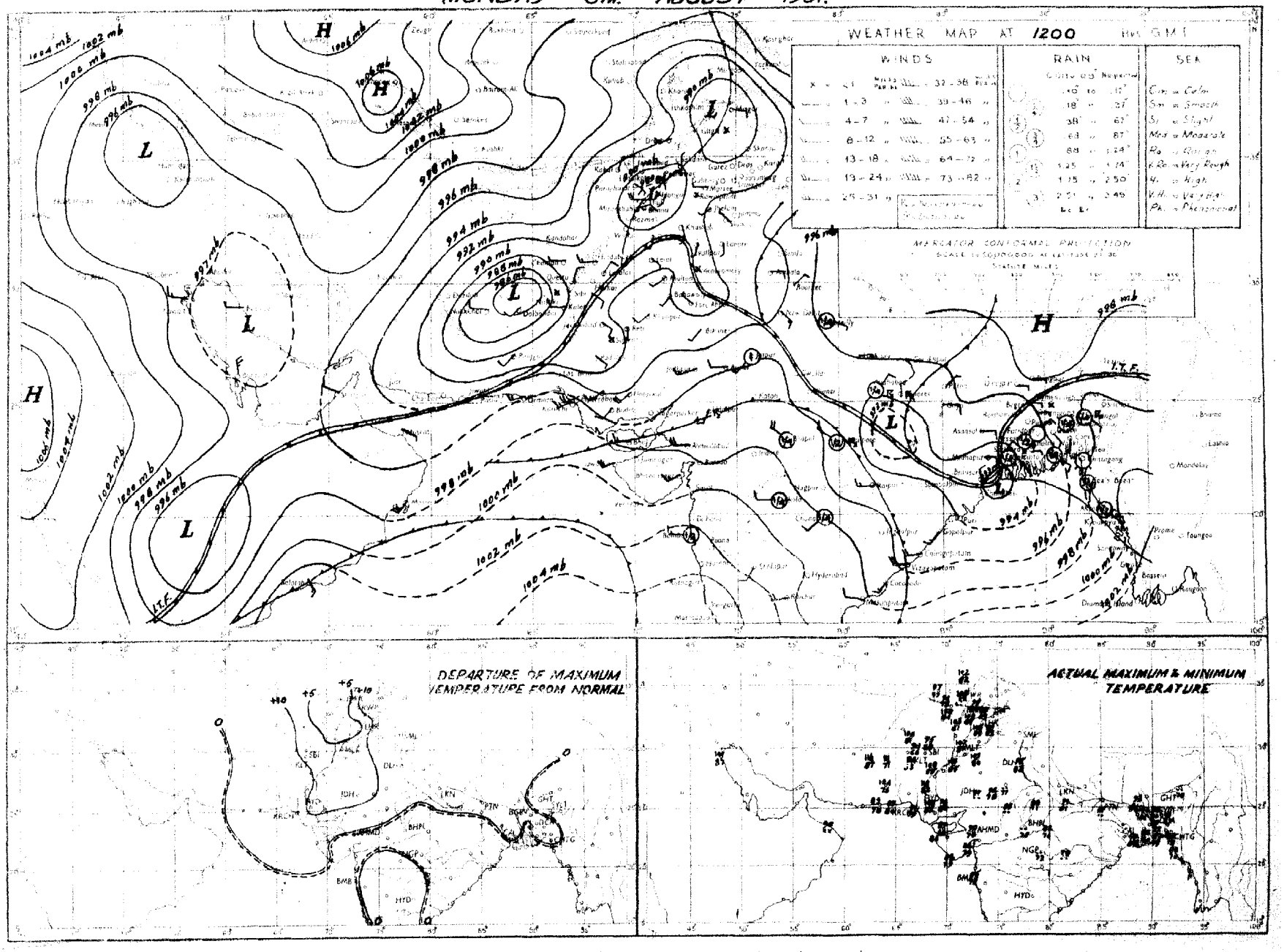
WEDNESDAY 8th AUGUST 1951



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

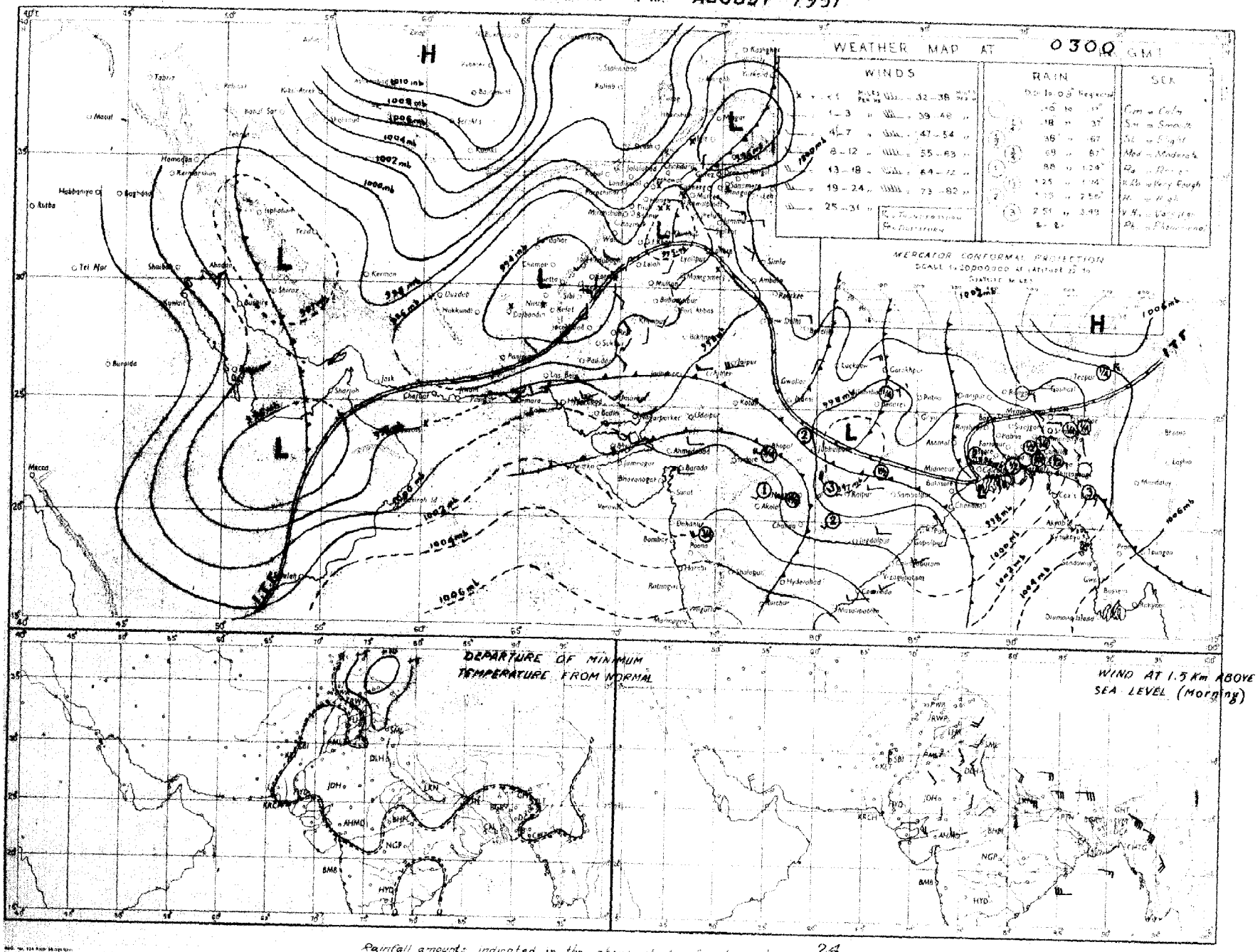
MONDAY 6th. AUGUST 1951.



Rainfall amounts indicated in the above chart refer to past 3 hours.

PAKISTAN DAILY WEATHER MAP

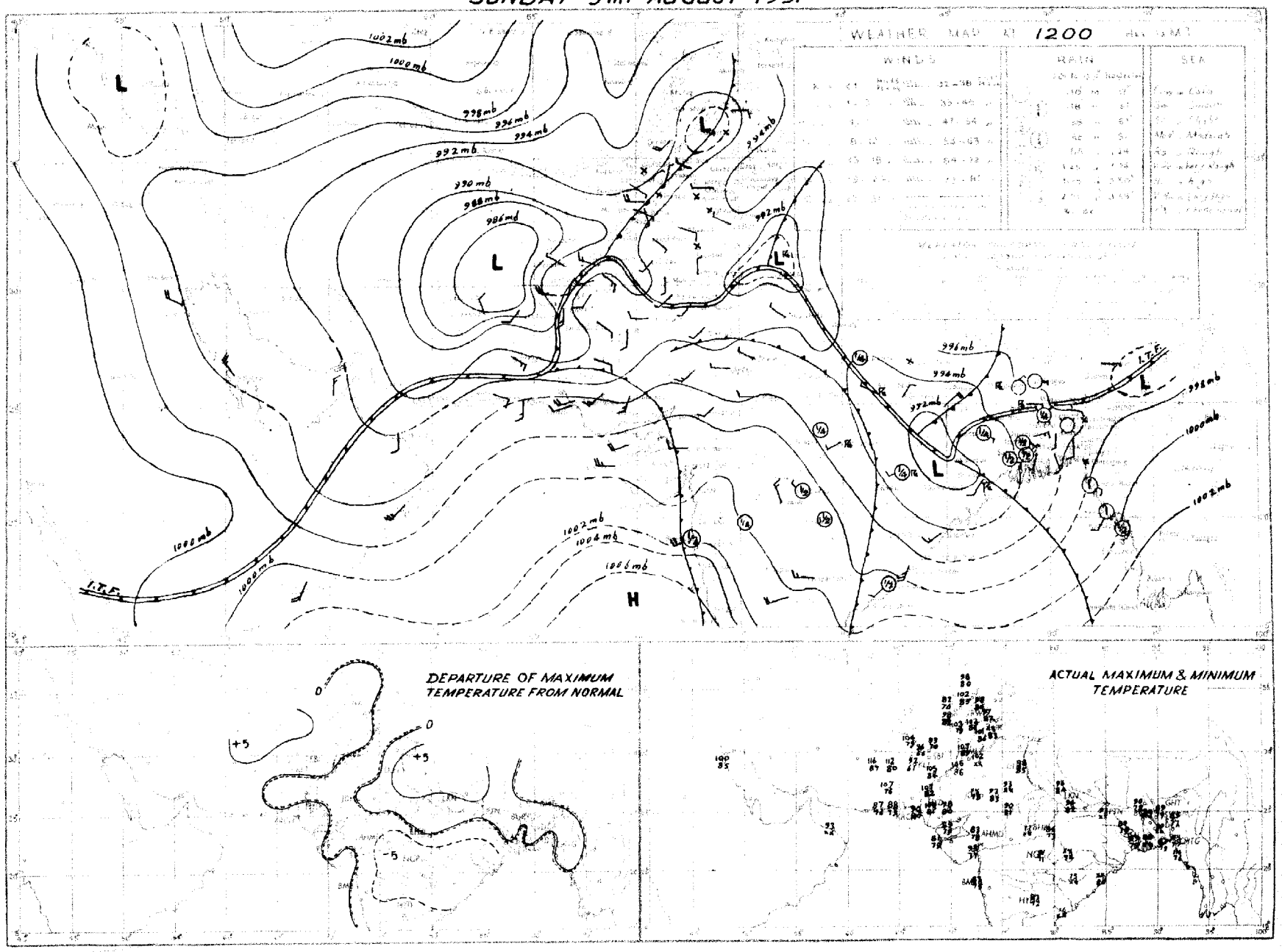
TUESDAY 7th AUGUST 1951



Rainfall amounts indicated in the above chart refer to past 24 hours.

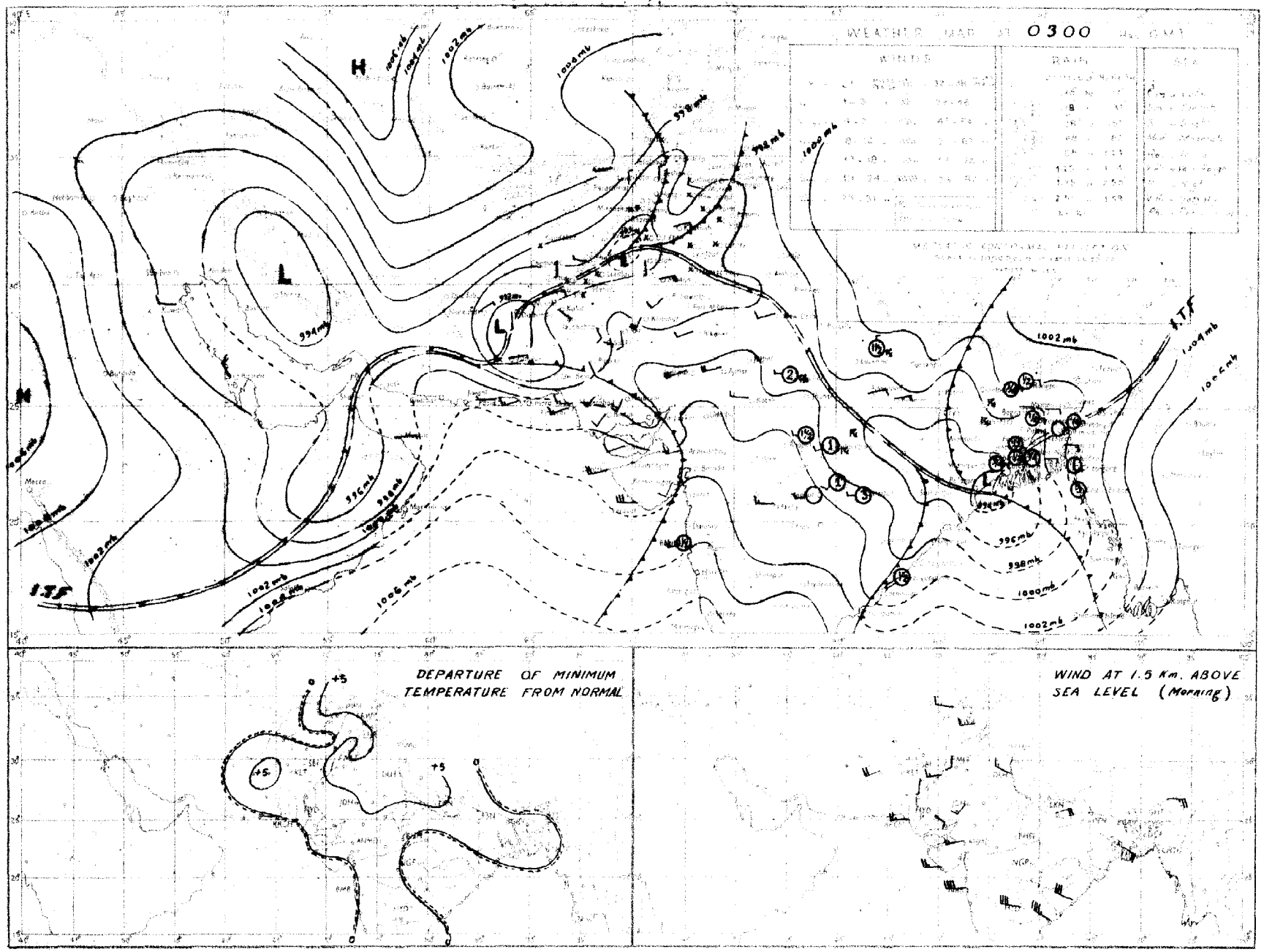
PAKISTAN DAILY WEATHER MAP

SUNDAY 5th: AUGUST 1951



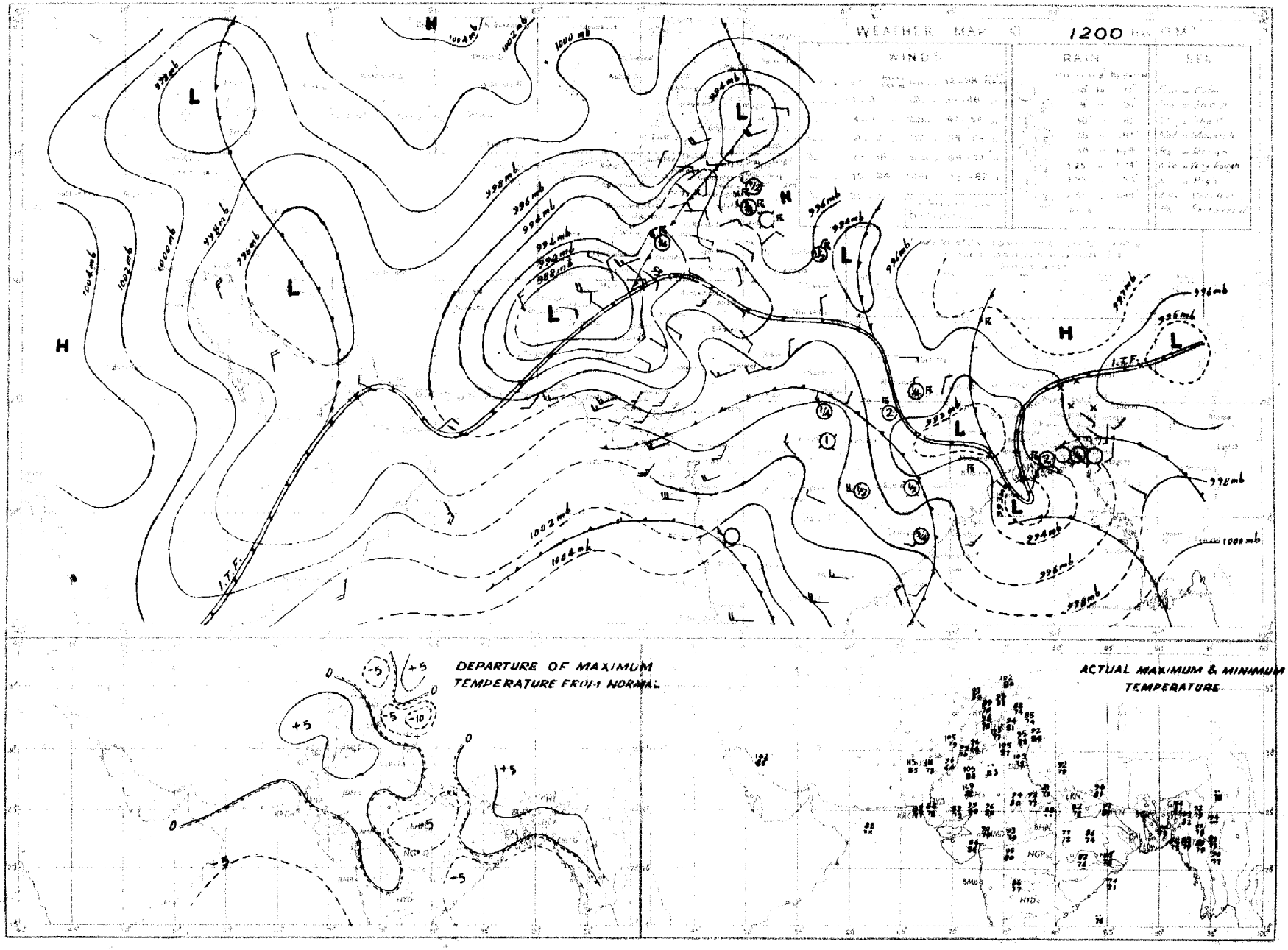
PAKISTAN DAILY WEATHER MAP

MONDAY 6th. AUGUST, 1951



PAKISTAN DAILY WEATHER MAP

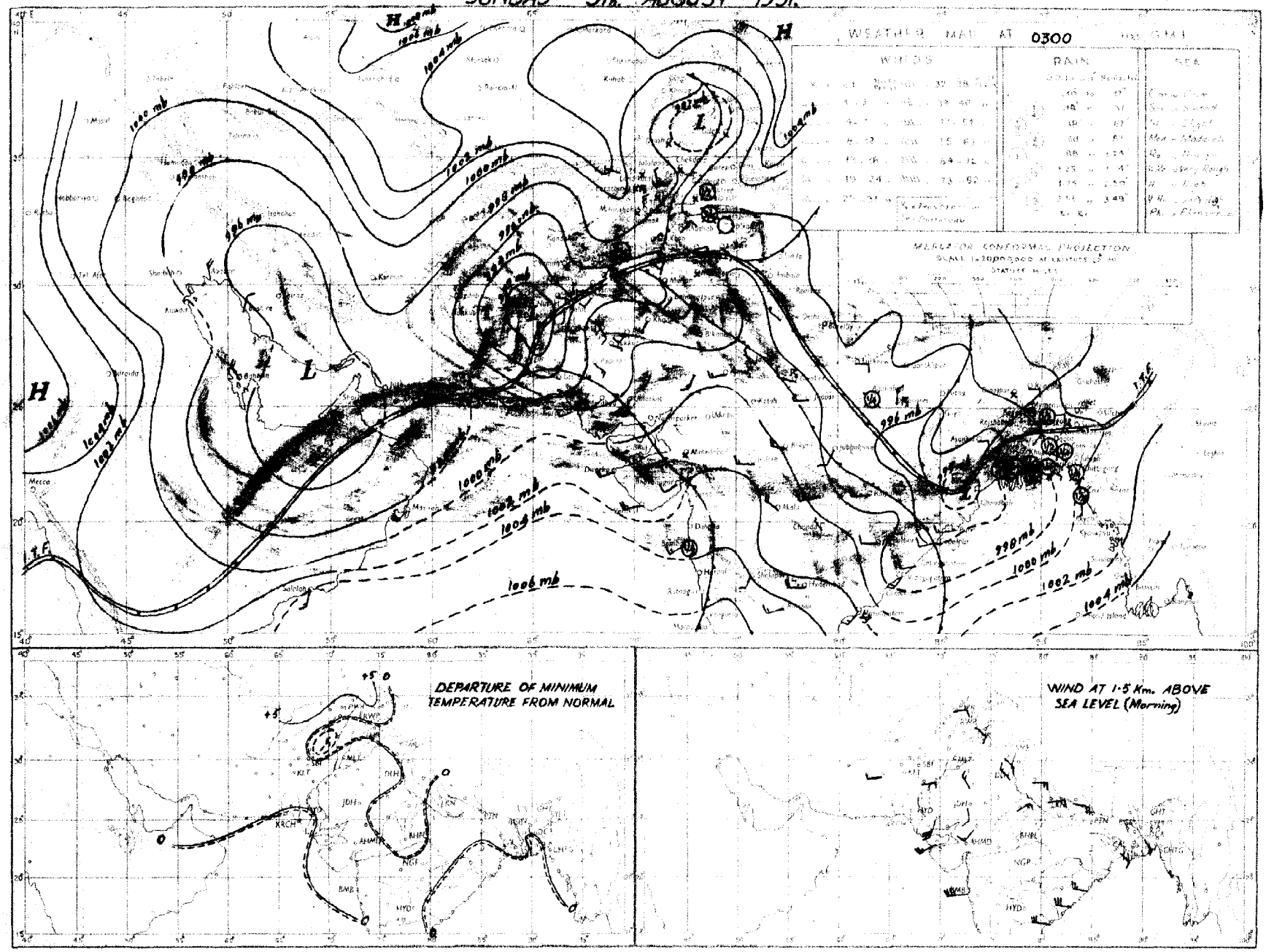
SATURDAY 4th: AUGUST 1951



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

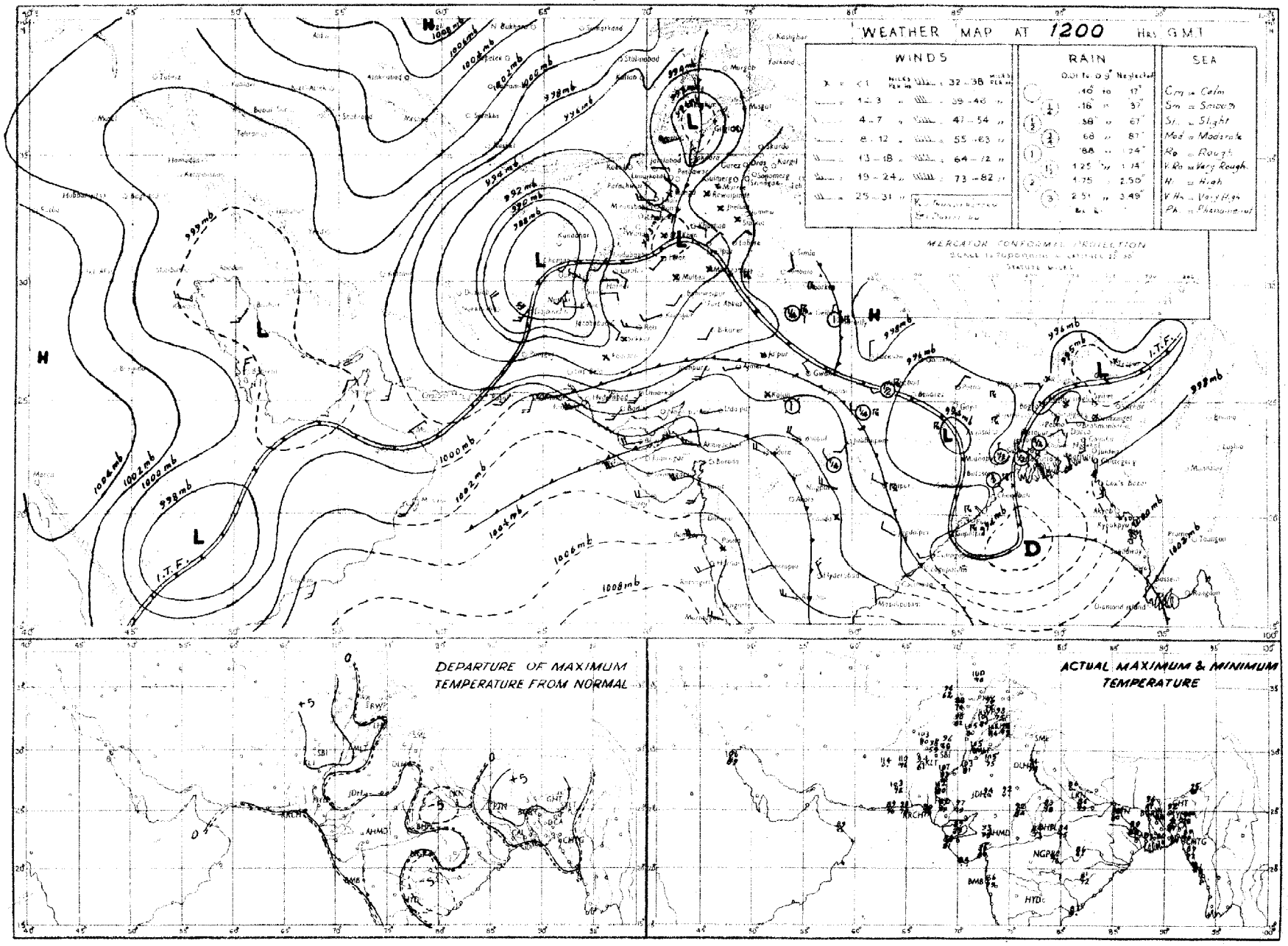
SUNDAY 5th AUGUST 1951.



Rainfall amounts indicated in the above chart refer to past 24 hours

PAKISTAN DAILY WEATHER MAP

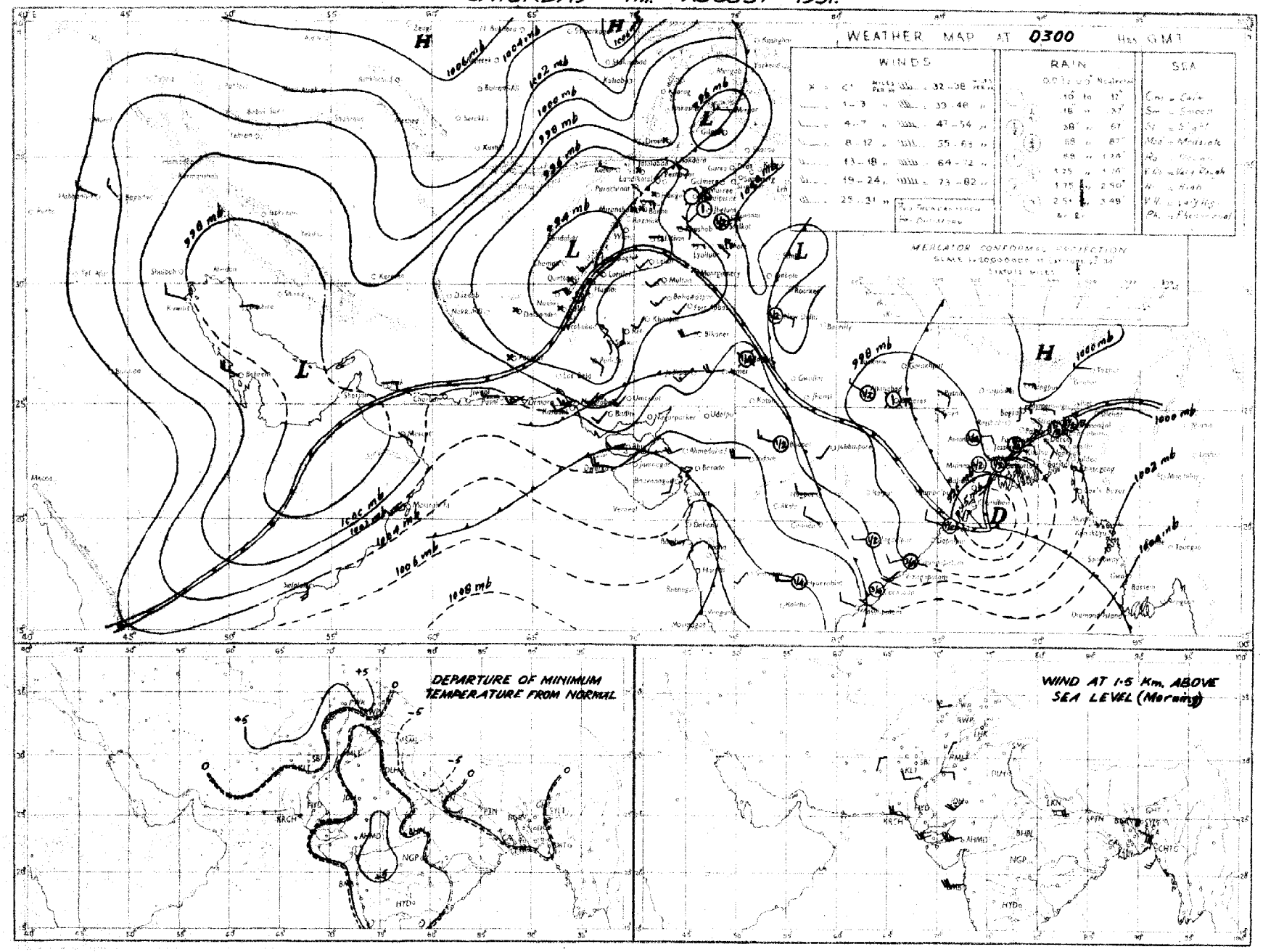
FRIDAY 3rd AUGUST 1951



Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER MAP

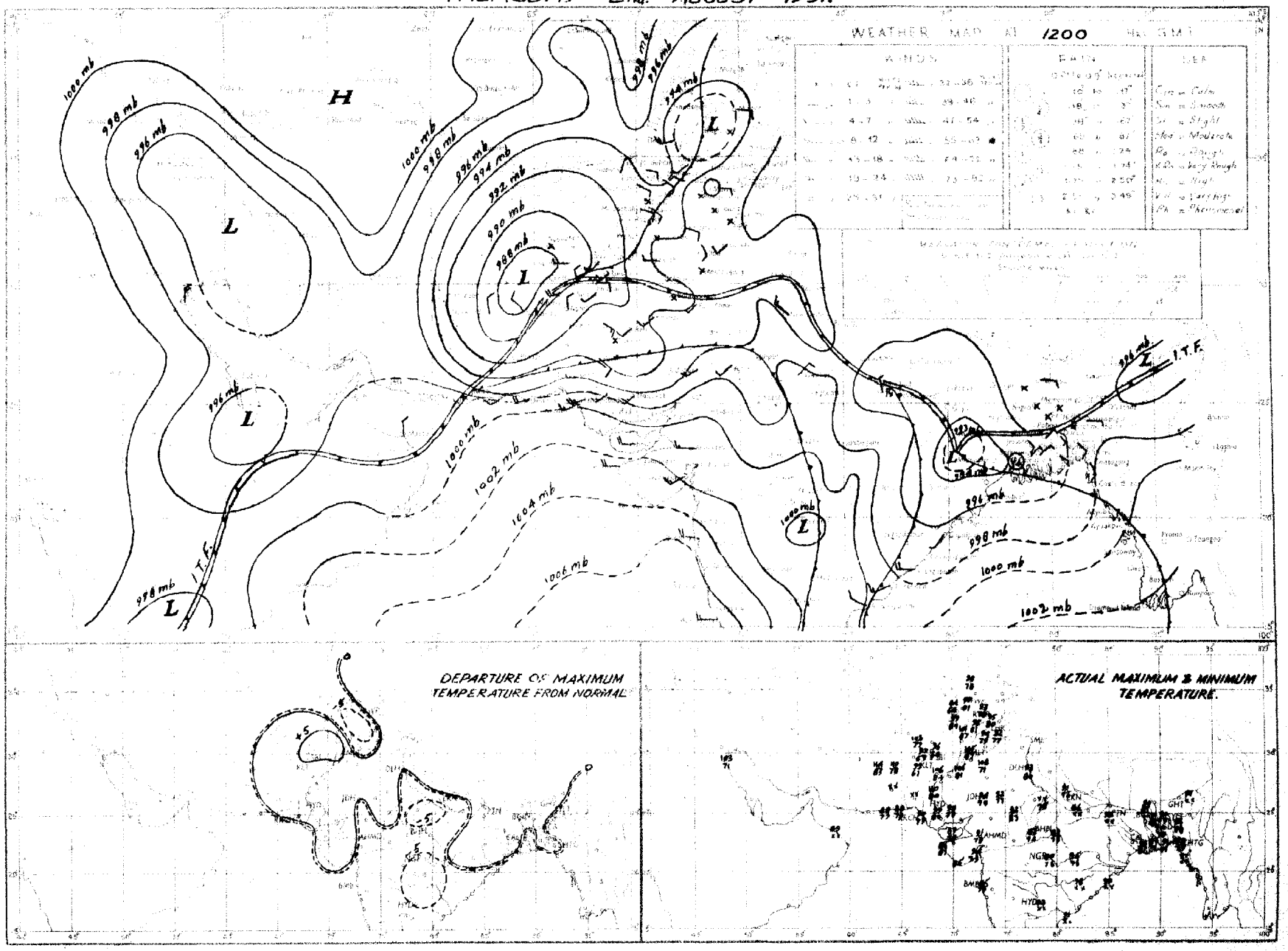
SATURDAY 4th. AUGUST 1951.



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

THURSDAY 2nd. AUGUST 1951.

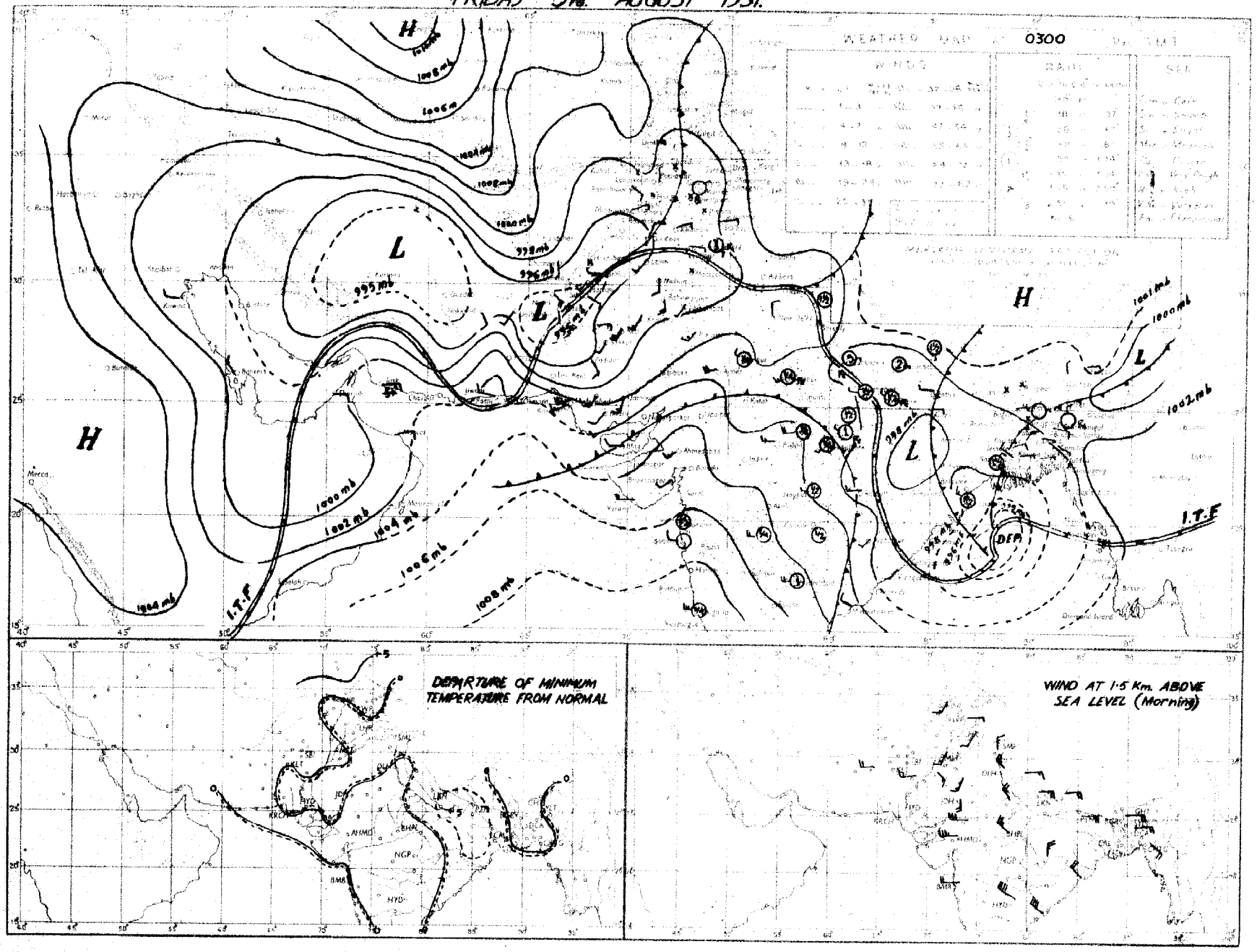


Rainfall amounts indicated on the above chart refer to past 9 hours.

PRINTED AT THE SURVEY OF PAKISTAN OFFICE, BANNU.

PAKISTAN DAILY WEATHER MAP

FRIDAY 3rd. AUGUST 1951.



Rainfall amounts indicated in the above chart refer to past 24 hours

Regd. No. S-1451.

WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G. M. T. on Wednesday, the 15th August, 1951.

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APR 23 1952
WEATHER BUREAU

—o:O:o—

SUMMARY OF WEATHER.

The low which was extending from Gujarat to Central Provinces on the last day of the previous week moved into Cutch and lower Sind by the next day, and moving northnorthwestwards across north Rajputana and the adjoining areas of West Pakistan thereafter merged into the seasonal low by the 11th. In its association local to fairly widespread rain/thundershowers occurred over West Pakistan from the 9th to 11th, and in the Punjab, the North-West Frontier Province and east Baluchistan between the 12th and 14th.

Monsoon was active in East Pakistan, practically throughout the week.

Some of the noteworthy amounts of rainfall recorded during the week were :—Lyallpur 3", Sialkot 2", Parachinar 1½", Jacobabad 1", Badin ¾", Jhelum, Bahawalpur, Chakdara and Umarkot ½" each on the 9th; Loralai ¾", Kalat, Umarkot and Hyderabad ½" each on the 10th; Comilla 5", Srimangal and Rawalpindi 4" each, Narayanganj 2", Brahmanbaria 1½", Faridpur, Sibi, Las Bela, Reti and Karachi (Air Port) 1" each on the 11th; Comilla 2", Landi Kotal and Fort Sandeman 1½" each, Khulna, Jessore and Sialkot 1" and Montgomery ¾" each on the 12th; Sialkot 4", Miranshah 3", Comilla, Lyallpur and Fort Sandeman 1" each on the 13th; Cox's Bazar 3", Srimangal and Khulna 1" each, Lahore ¾" on the 14th; Cox's Bazar 3", Sirajganj 1½" and Mymensingh ¾" on the 15th.

Day temperatures were markedly to considerably below normal in the plains of Punjab on the 8th and 12th, in the upper North-West Frontier Province and north Baluchistan on the 12th and appreciably to markedly below normal in West Pakistan on the 11th and 13th. They were appreciably to markedly above normal in East Pakistan on the 10th.

2. EAST PAKISTAN: Rainfall was nearly general on five days in the Deltaic sub-division and on four days each in the Eastern and Northern sub-divisions. It occurred locally on two days each in the Eastern and Deltaic sub-divisions and at a few places in the Eastern sub-division on one day.

KASHMIR: Data not available.

PUNJAB: Rainfall was nearly general on one day, local on three days and scattered on two days in the north Punjab. In the south Punjab it was nearly general on one day and scattered on four days.

NORTH-WEST FRONTIER PROVINCE: Rainfall was local on two days and scattered on three days.

BALUCHISTAN: Rainfall was local in north Baluchistan on the 12th and in south Baluchistan on the 11th. A few falls were also recorded on four days in north Baluchistan and on two days in south Baluchistan.

SIND: Rainfall was nearly general on one day and local on two days.

JUNAGADH: Data not available.

3. The week's rainfall was in large excess in the north Punjab, the North-West Frontier Province, Baluchistan and Sind. It was normal in the Eastern sub-division of East Pakistan, deficient in the Deltaic sub-division of East Pakistan and the south Punjab and scanty in the Nothern sub-division of East Pakistan

Rainfall for the period from 1st June 1951 to date, was normal in the Eastern and Northern sub-divisions of East Pakistan, deficient in the Deltaic sub-division of East Pakistan the north Punjab, the North-West Frontier Province, Baluchistan and Sind and scanty in the south Punjab.

4. The table overleaf summarises the rainfall statistics for the eleven sub-divisions of Pakistan both for the week and for the period from 1st June 1951 to date.

KARACHI-11.
The 15th August, 1951.

MOHAMMAD SHABBAR,
for Director, Meteorological Service.

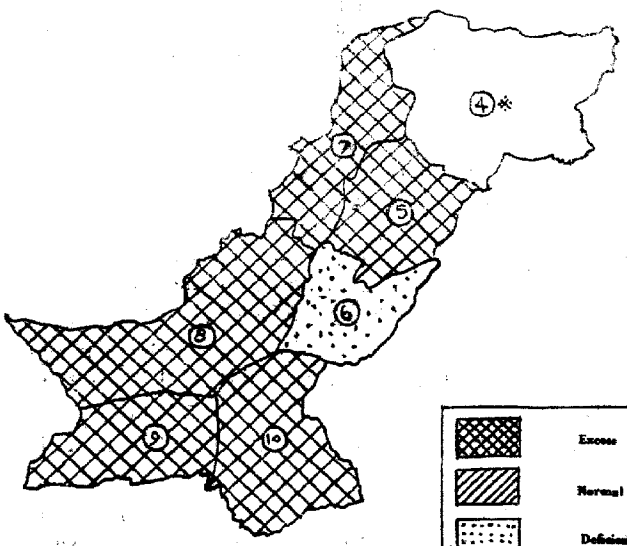
WEEKLY WEATHER REPORT

Division	Rainfall for week ending on 15th August, 1951.			Rainfall for period from 1-6-1951 to 15th August, 1951.			
	Actual †	Normal	Excess or defect	Actual †	Normal	* Excess or defect	
						Inches	Per cent
1	2	3	4	5	6	7	8
1. East Pakistan (East)	3.9	4.3	− 0.4	46.9	46.4	+ 0.5	+ 1
2. East Pakistan (Deltaic)	1.8	2.9	− 1.2	26.3	33.1	− 6.8	− 21
3. East Pakistan (North)	1.0	2.5	− 1.5	34.6	34.0	+ 0.6	+ 2
4. Kashmir ††	....	....	....	....	....	....	....
5. North Punjab	3.3	1.5	+1.8	8.1	10.7	− 2.5	− 24
6. South Punjab	0.4	0.5	− 0.2	1.3	4.1	− 2.8	− 68
7. N. W. F. P.	0.9	0.4	+0.4	1.6	3.5	− 1.9	− 53
8. North Baluchistan	0.9	0.3	+ 0.7	1.3	2.1	− 0.8	− 39
9. South Baluchistan	0.4	0.1	+0.3	0.6	0.9	− 0.3	− 33
10. Sind	1.0	0.6	+0.4	1.9	4.2	− 2.3	− 55
11. Junagadh ††	....	....	....	....	....	....	....

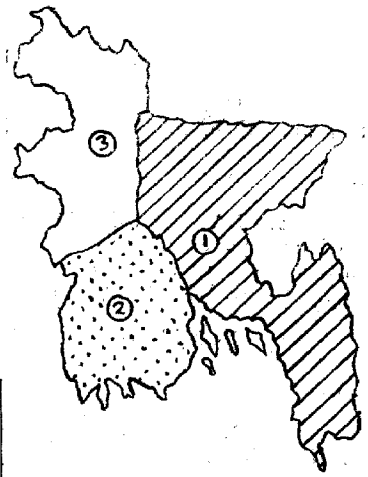
* In the calculation of excesses and defects, and their percentages, rainfall figures are taken correct to 0·01".

† Rainfall of stations having no normals is not included.

†† Data not available



RAINFALL FOR THE WEEK ENDING 15-8-1951



Excess + 20 % or more

Normal + 19% to − 19 %

Deficient − 20% to 59 %

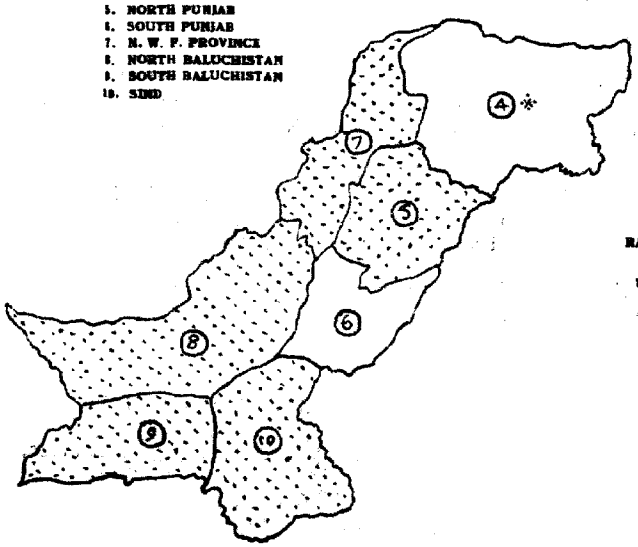
Scanty − 60 % or less

WEST PAKISTAN

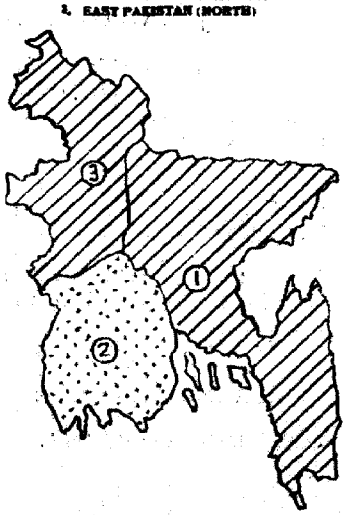
4. KASHMIR
5. NORTH PUNJAB
6. SOUTH PUNJAB
7. N. W. F. PROVINCE
8. NORTH BALUCHISTAN
9. SOUTH BALUCHISTAN
10. SIND

EAST PAKISTAN

1. EAST PAKISTAN (EAST)
2. EAST PAKISTAN (DELTAIC)
3. EAST PAKISTAN (NORTH)



RAINFALL FOR THE PERIOD FROM 1-6-1951 TO 15-8-1951



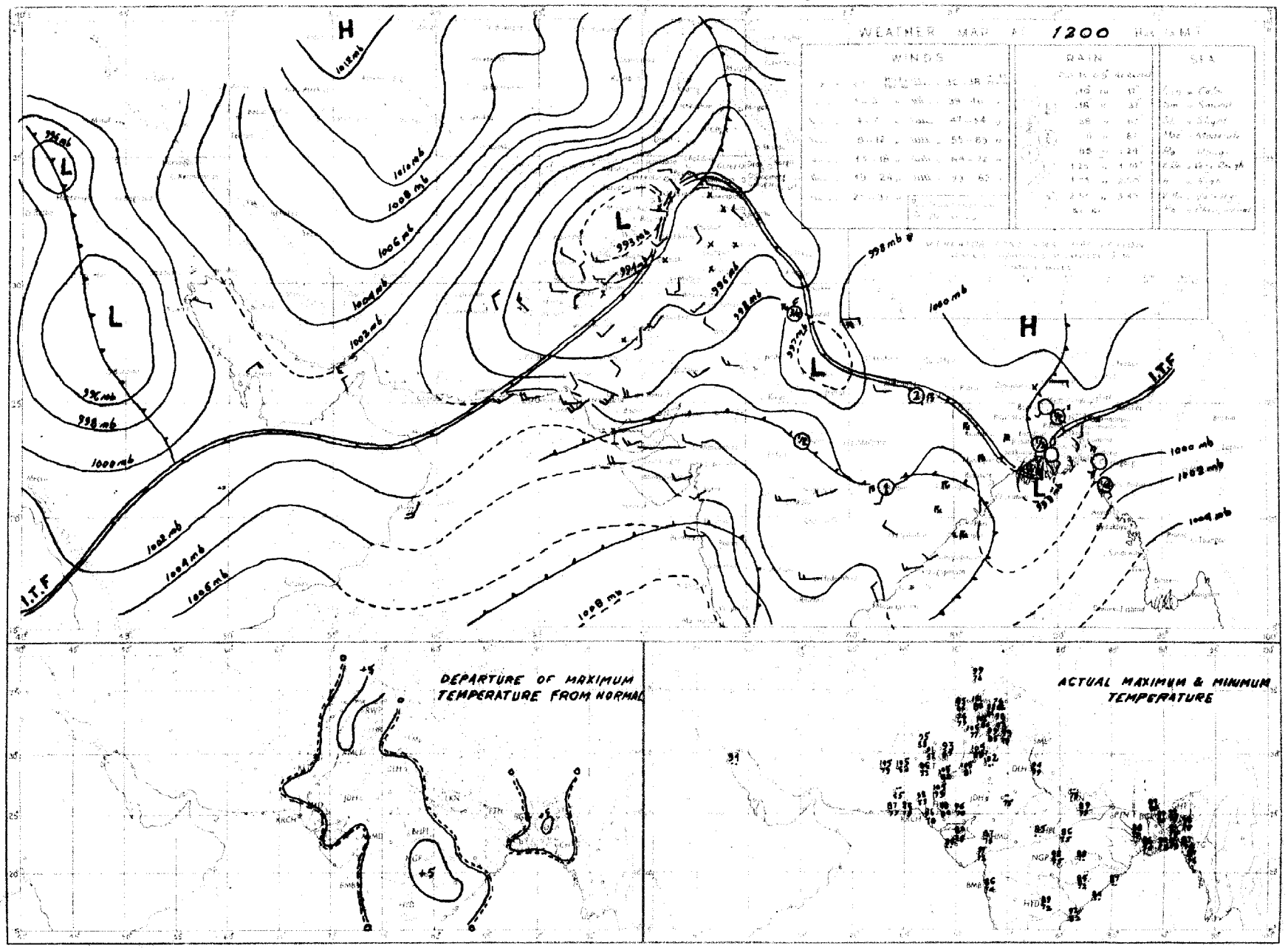
SCALE—250 MILES—1"

SCALE—250 MILES—1"

* Data not available.

PAKISTAN DAILY WEATHER MAP

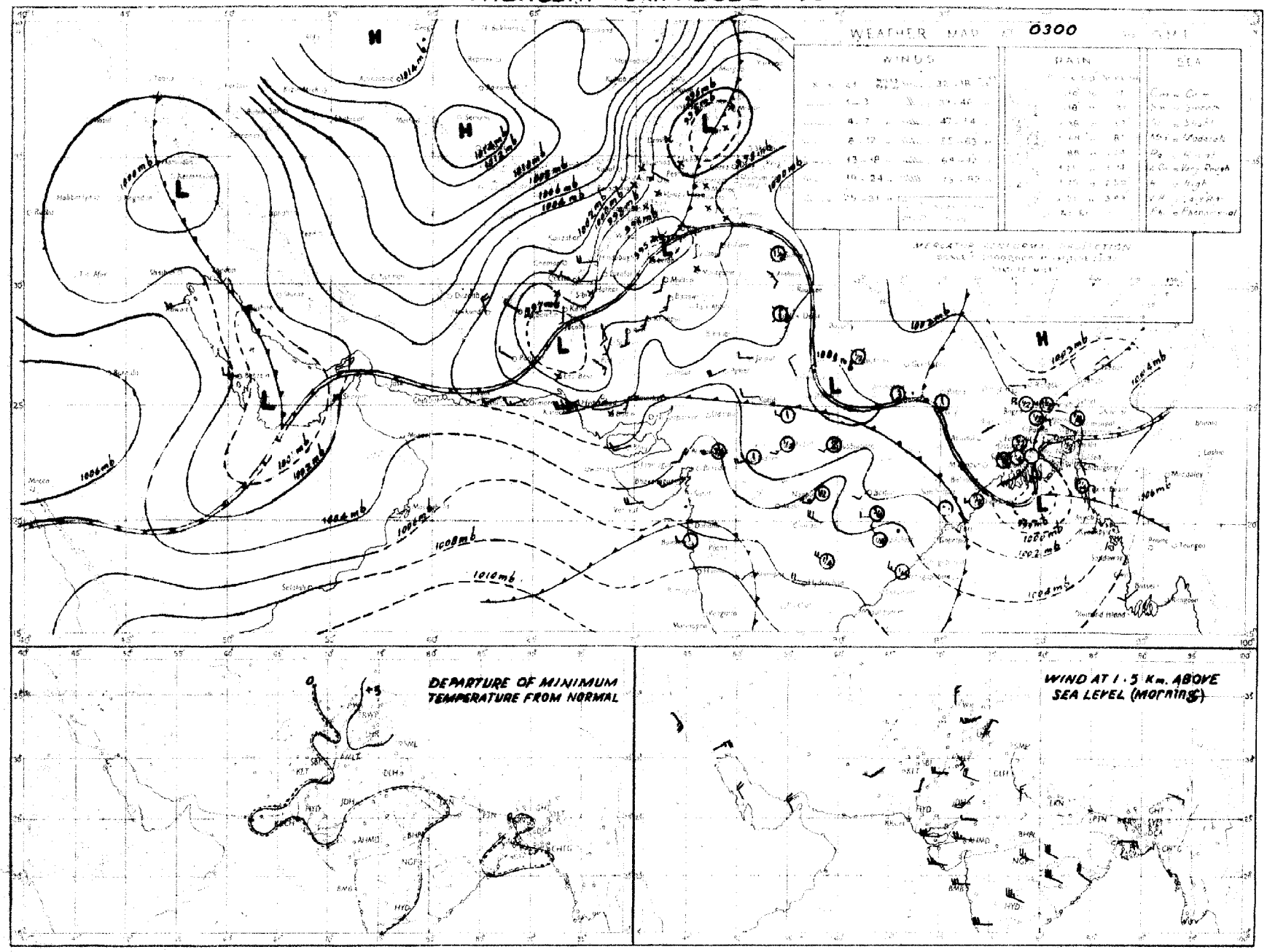
WEDNESDAY 15th: AUGUST 1951



Rainfall amounts mentioned in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER MAP

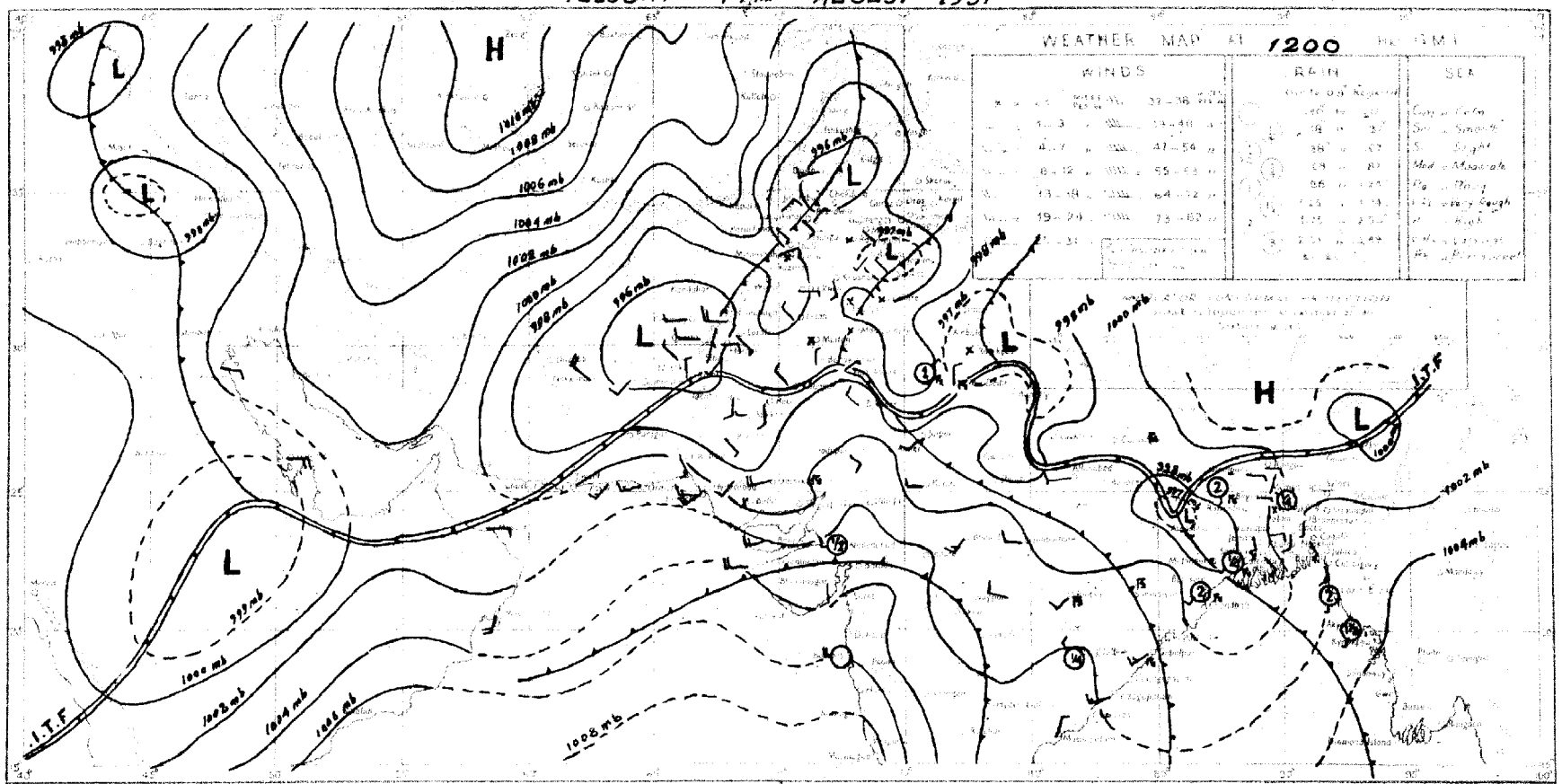
THURSDAY 16th: AUGUST 1951

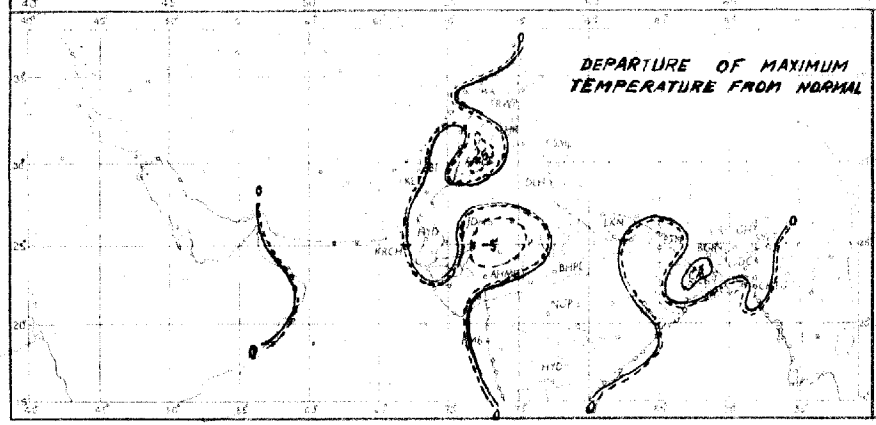


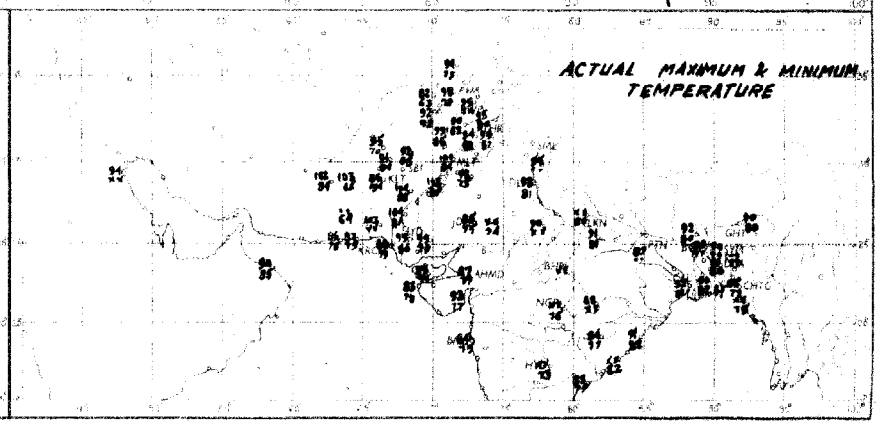
Rainfall amounts indicated in the above chart refer to past **24** *hours*

PAKISTAN DAILY WEATHER MAP

TUESDAY 14th AUGUST 1951



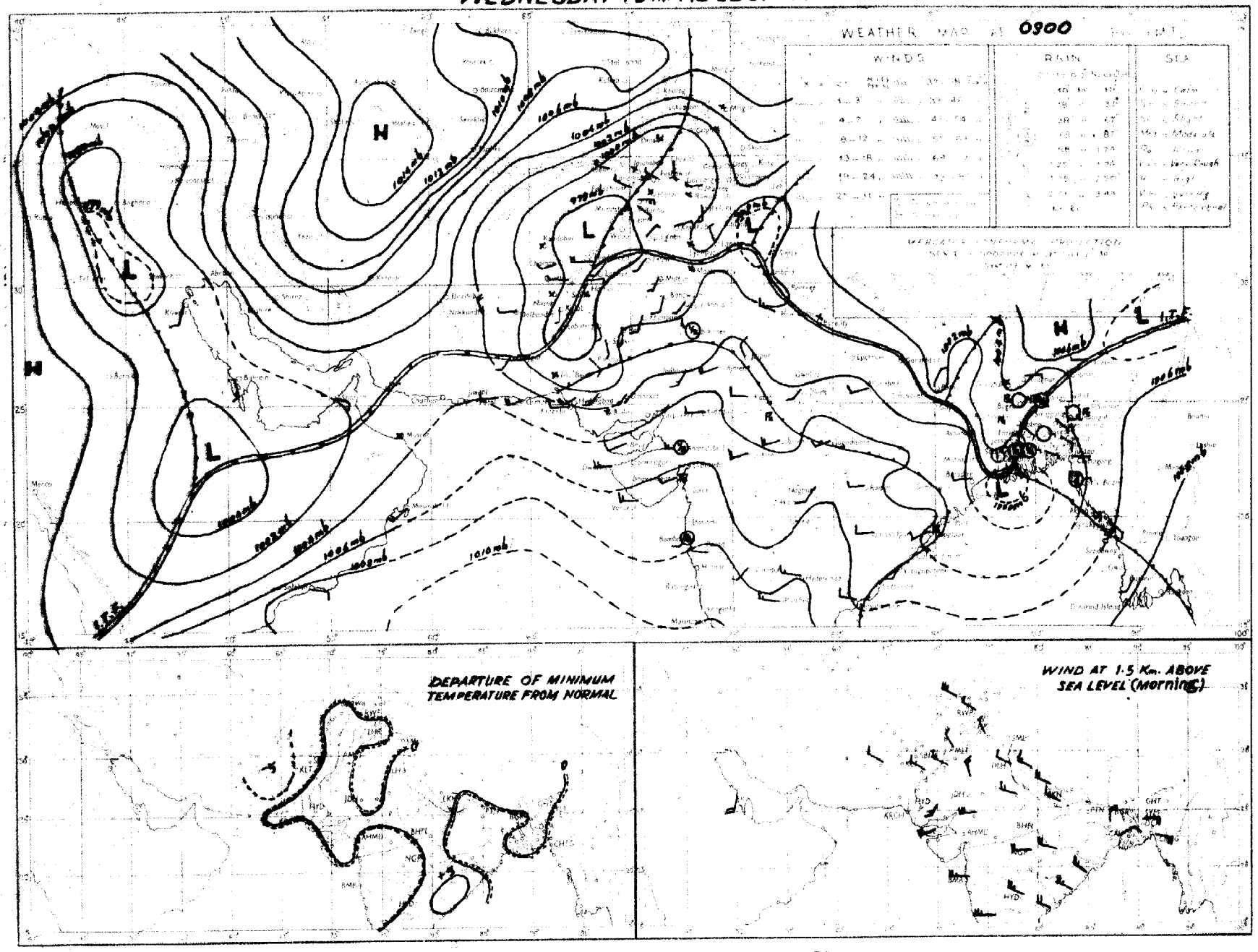




Rainfall amounts indicated in the above map refer to past 9 hours

PAKISTAN DAILY WEATHER MAP

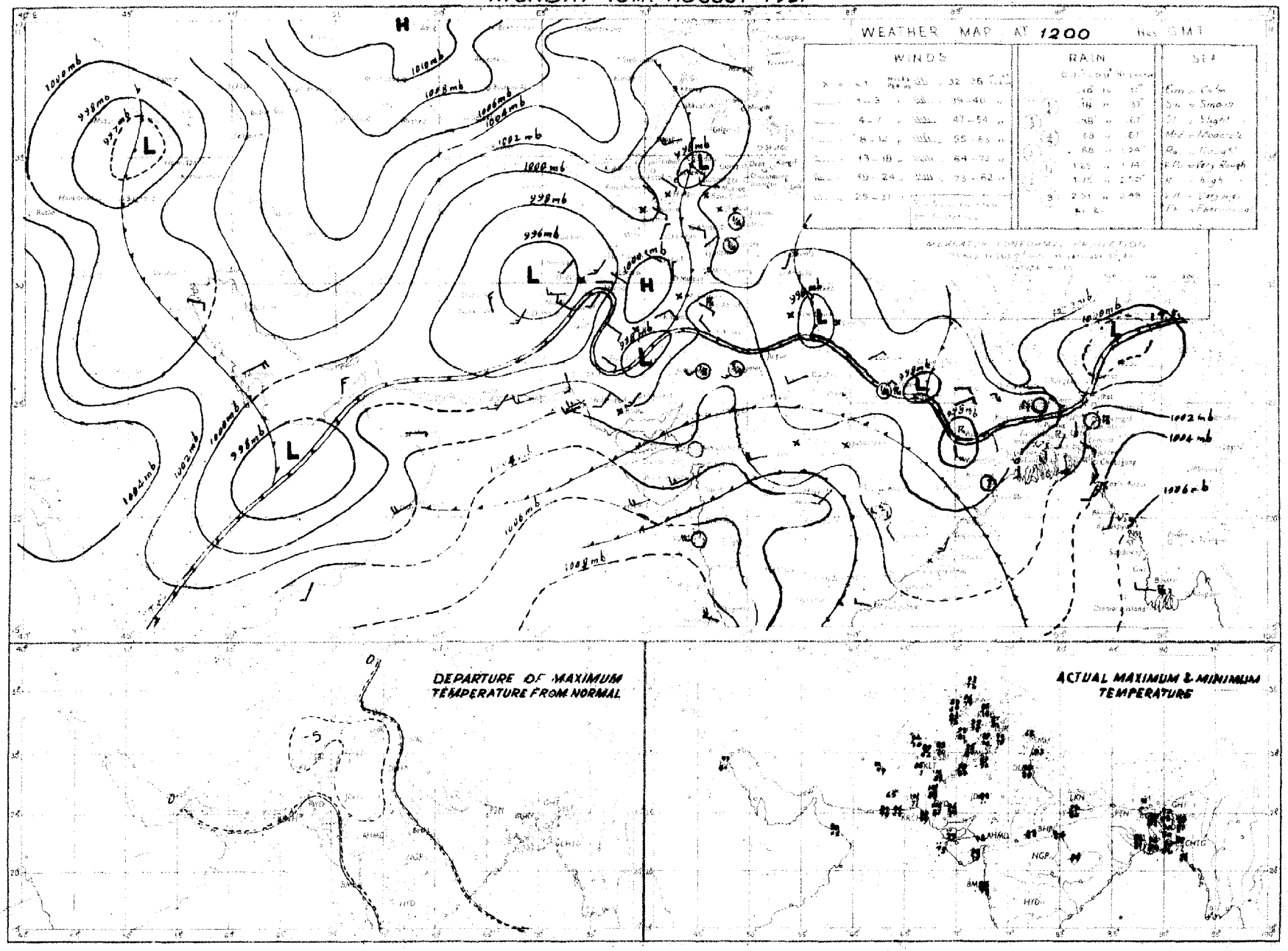
WEDNESDAY 15th AUGUST 1951



Rainfall amounts indicated in the above chart refer to past 24 hours

PAKISTAN DAILY WEATHER MAP

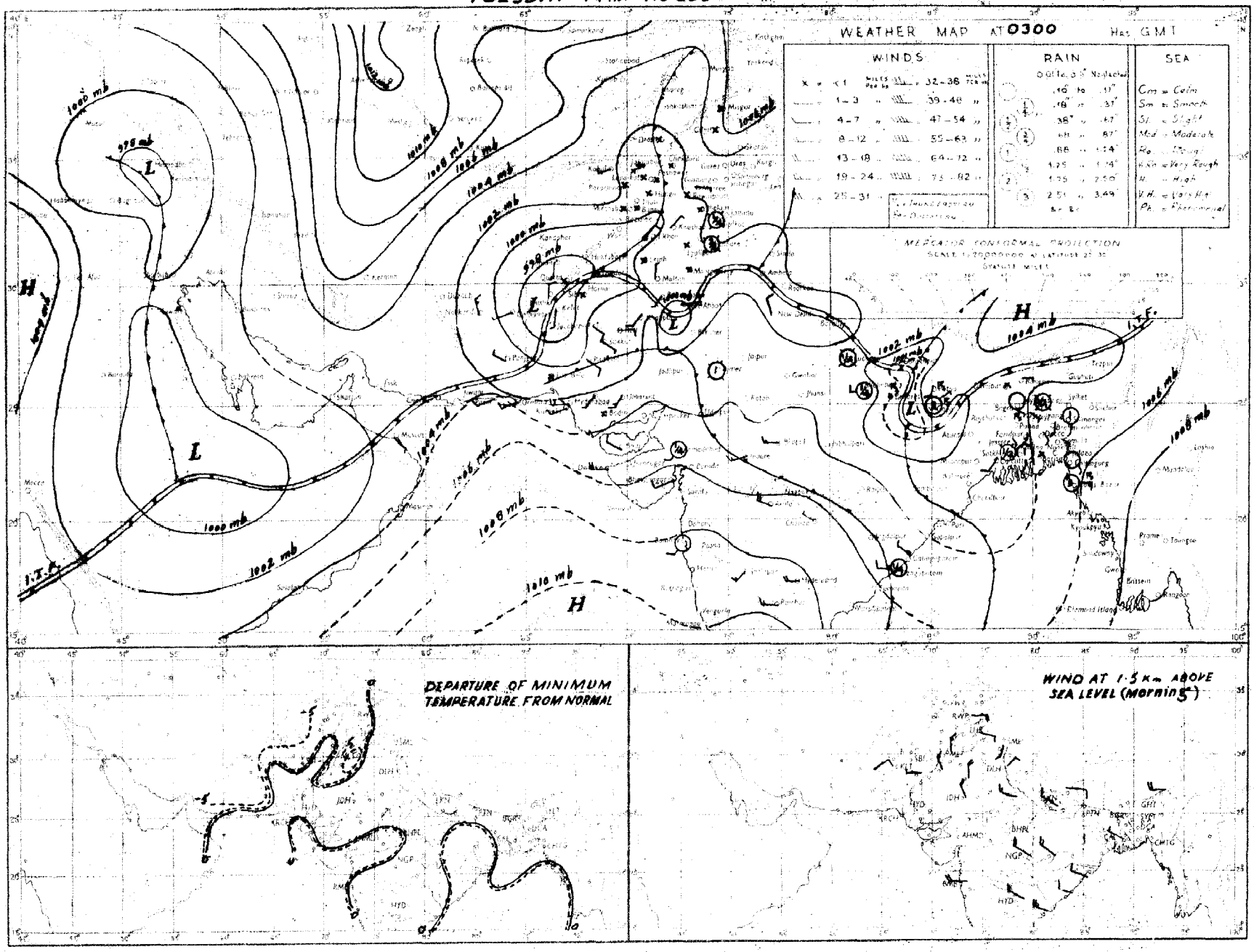
MONDAY 13th: AUGUST 1951



Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER MAP

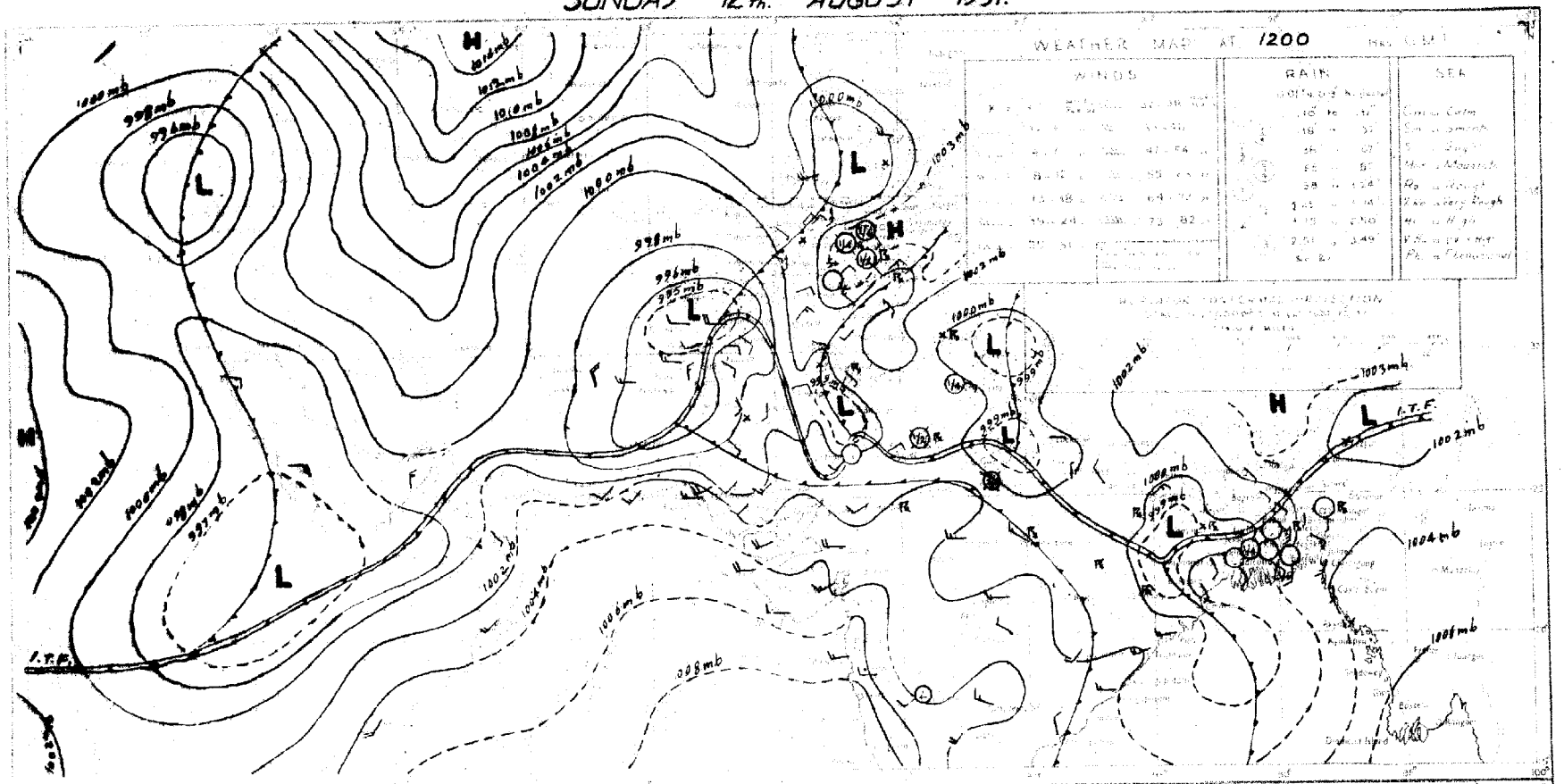
TUESDAY 14th: AUGUST 1951.

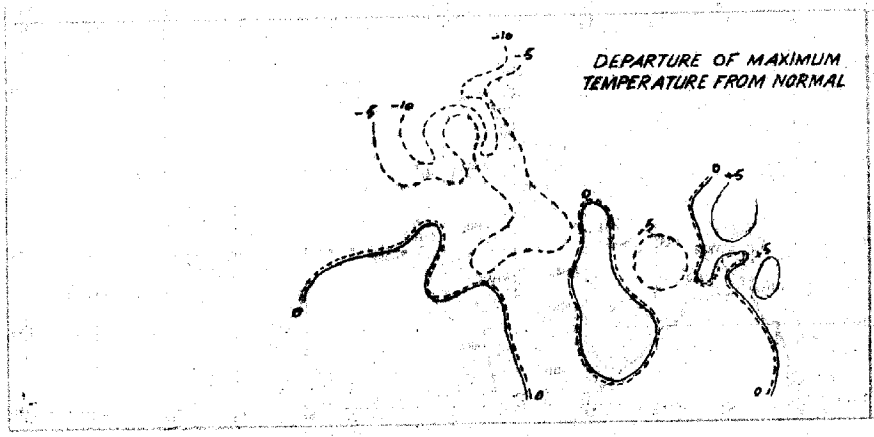


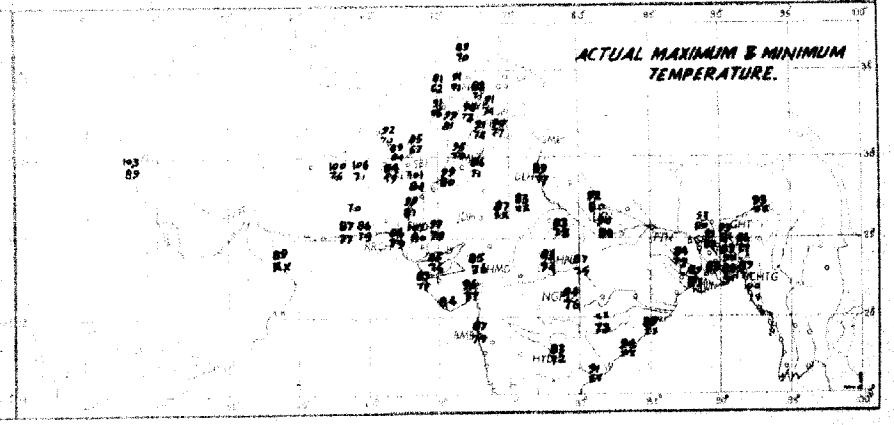
Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

SUNDAY 12th. AUGUST 1951.

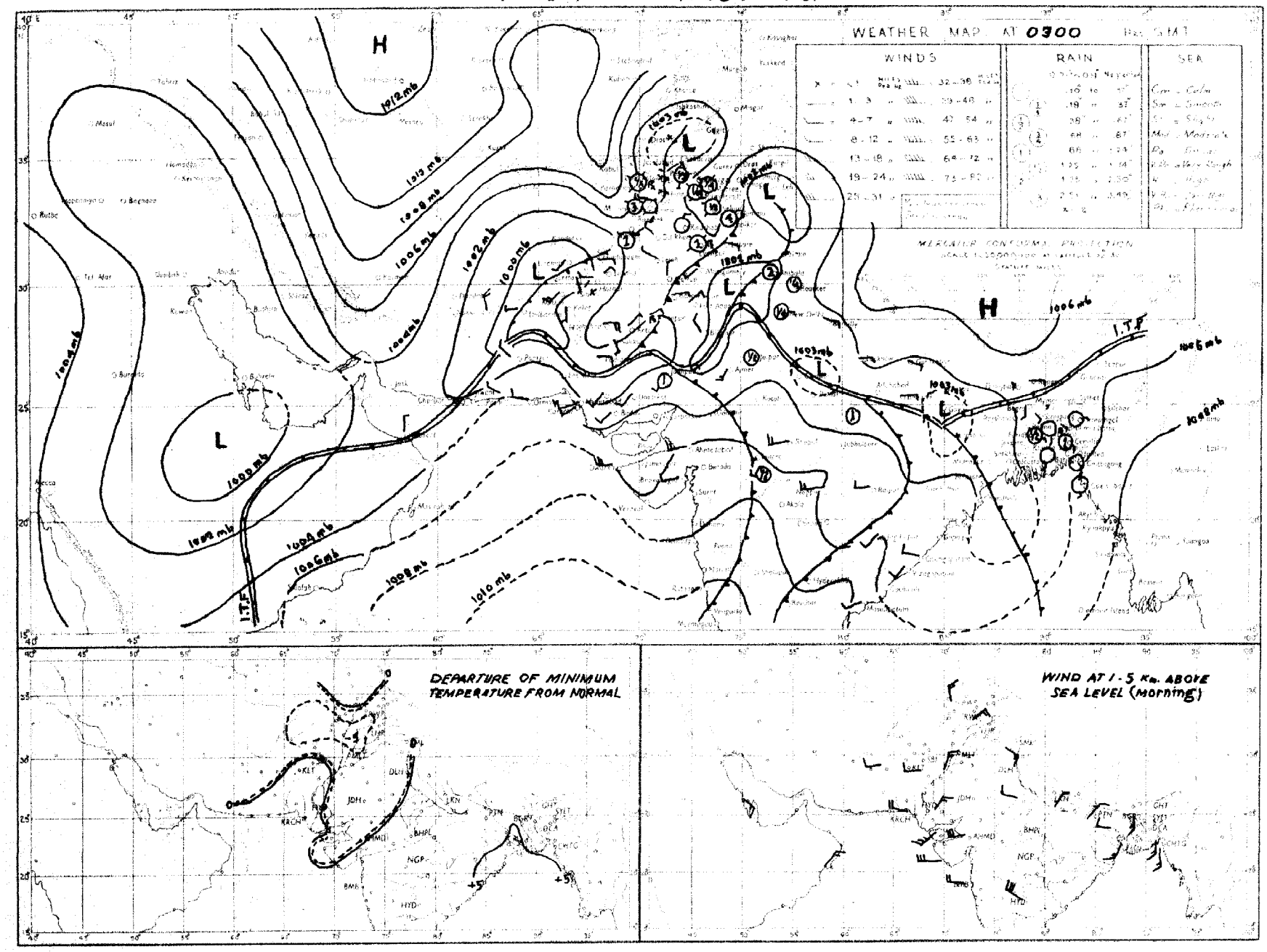






PAKISTAN DAILY WEATHER MAP

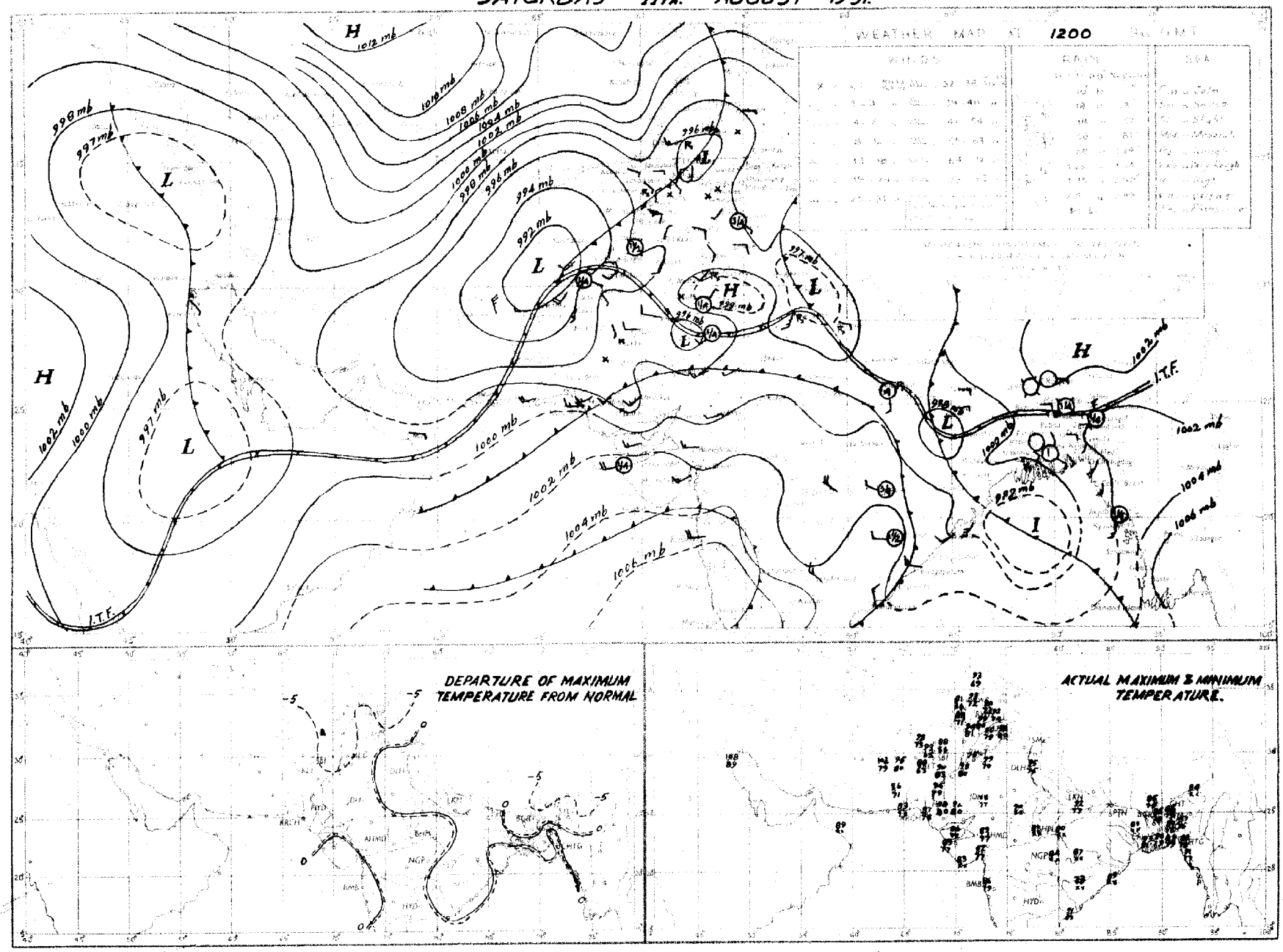
MONDAY 13th: AUGUST 1951



Rainfall amounts indicated in the above chart refer to past **24** *hours.*

PAKISTAN DAILY WEATHER MAP

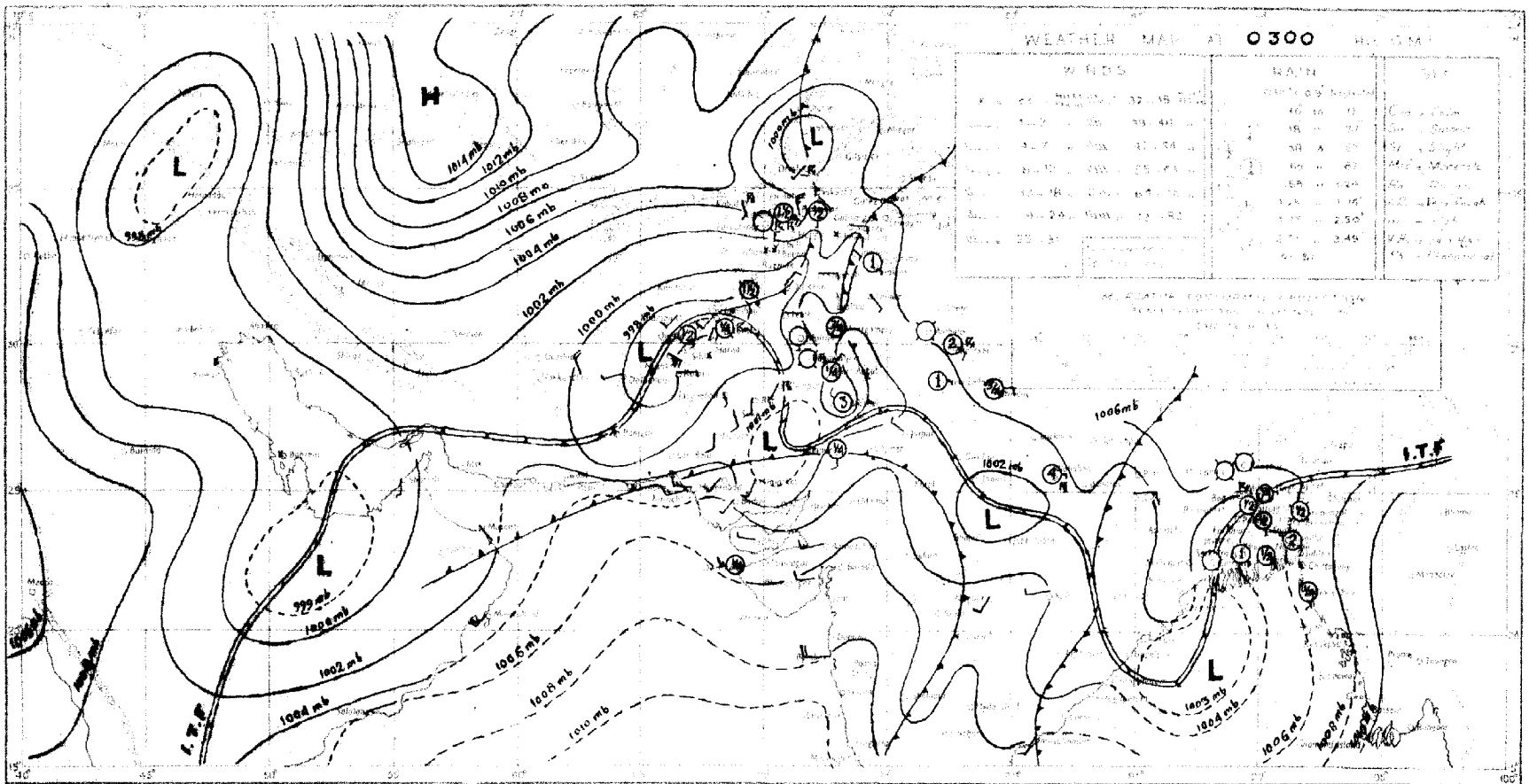
SATURDAY 11th. AUGUST 1951.

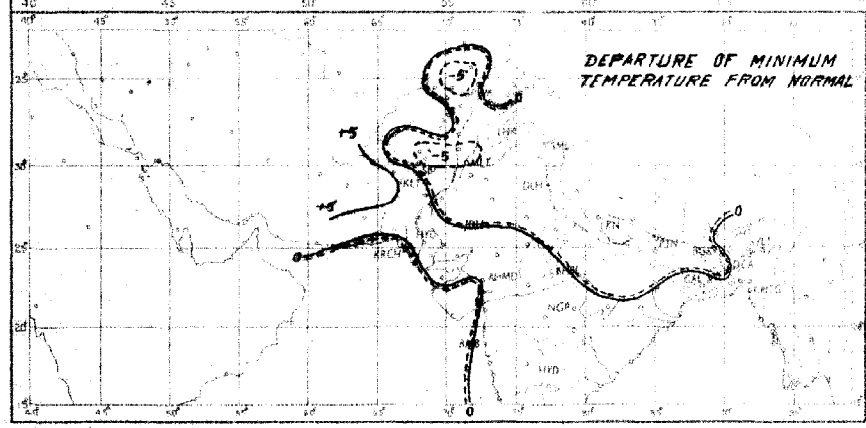


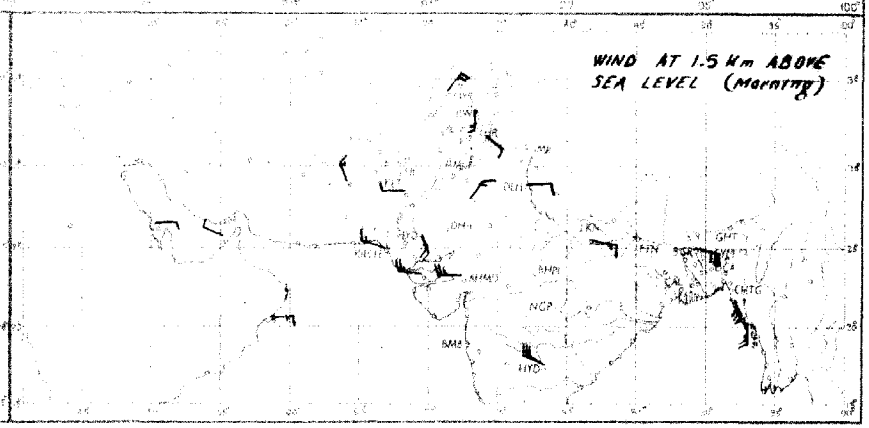
Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER MAP

SUNDAY 12th. AUGUST 1951



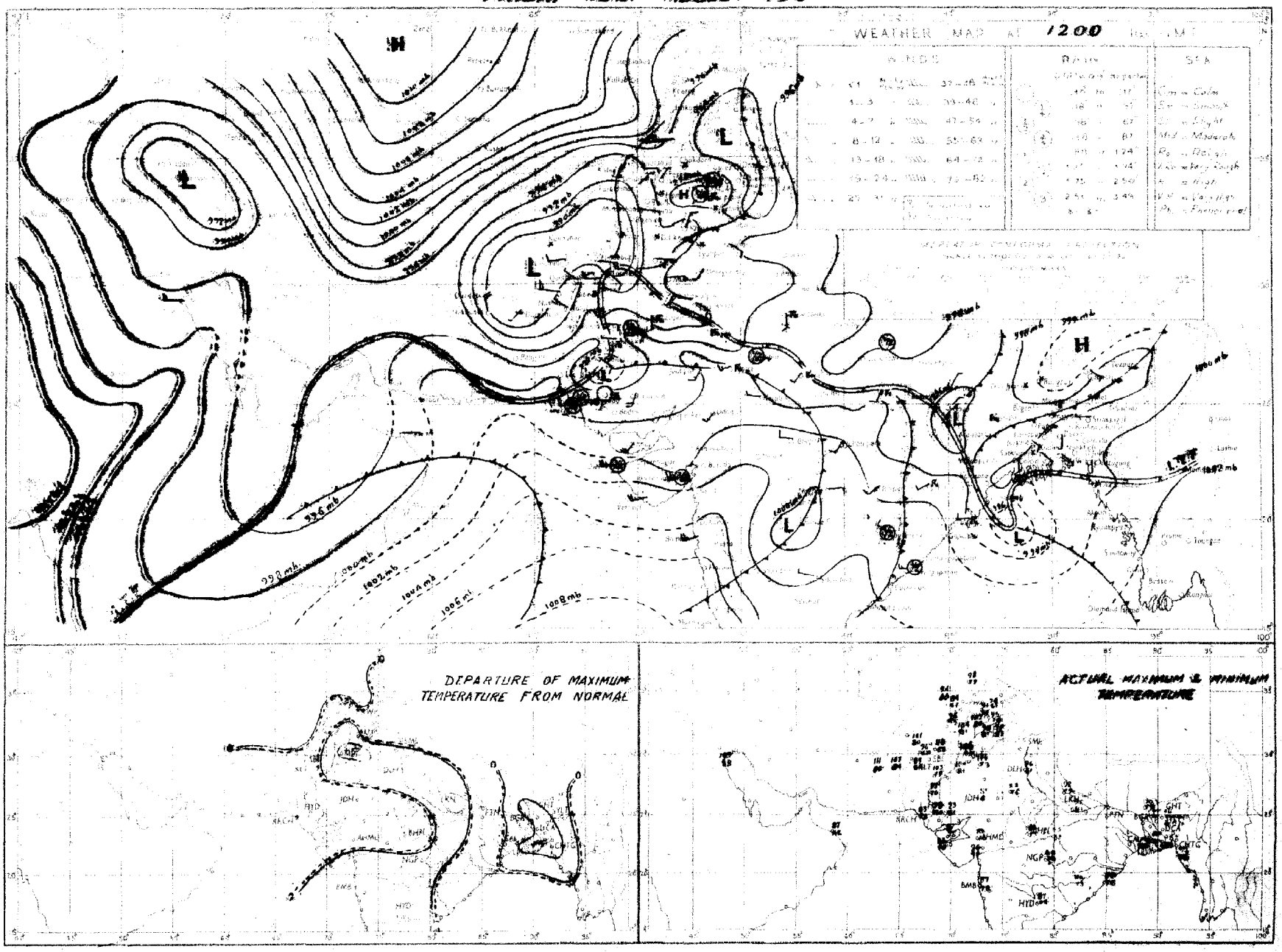




Rainfall amounts indicated in the above chart refer to mm. 24 hours

PAKISTAN DAILY WEATHER MAP

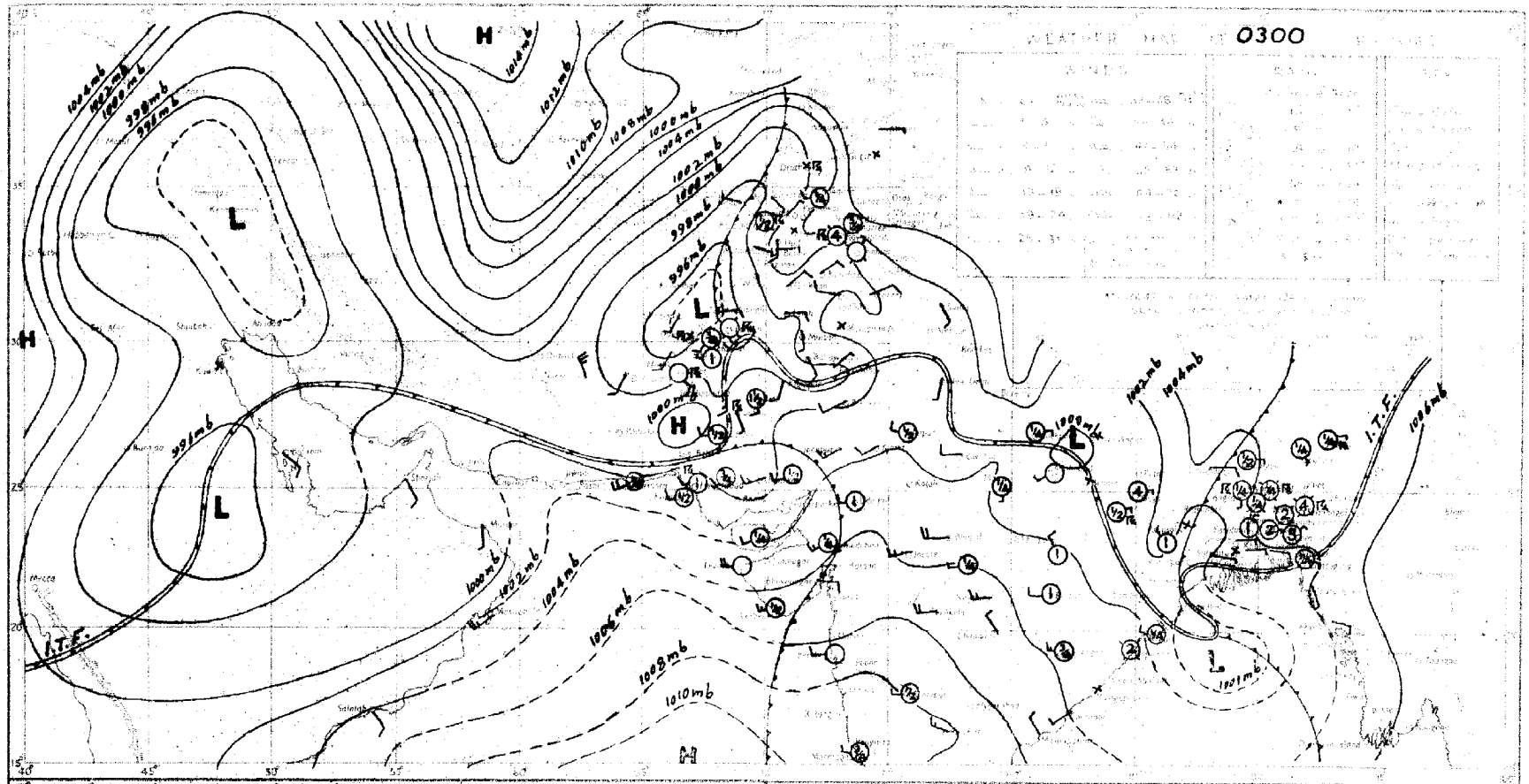
FRIDAY 10th. AUGUST 1951

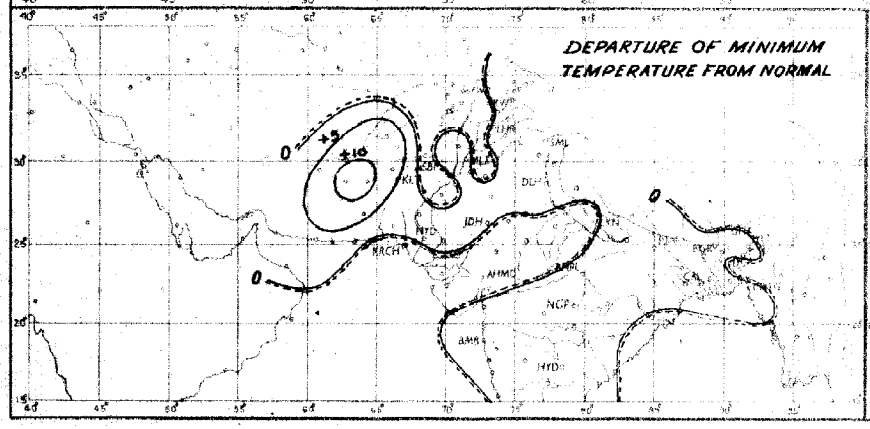


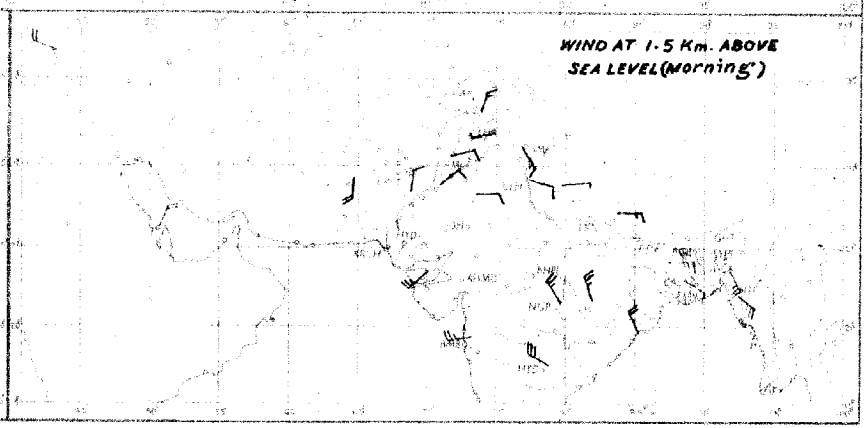
Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER MAP

SATURDAY 11TH AUGUST 1951



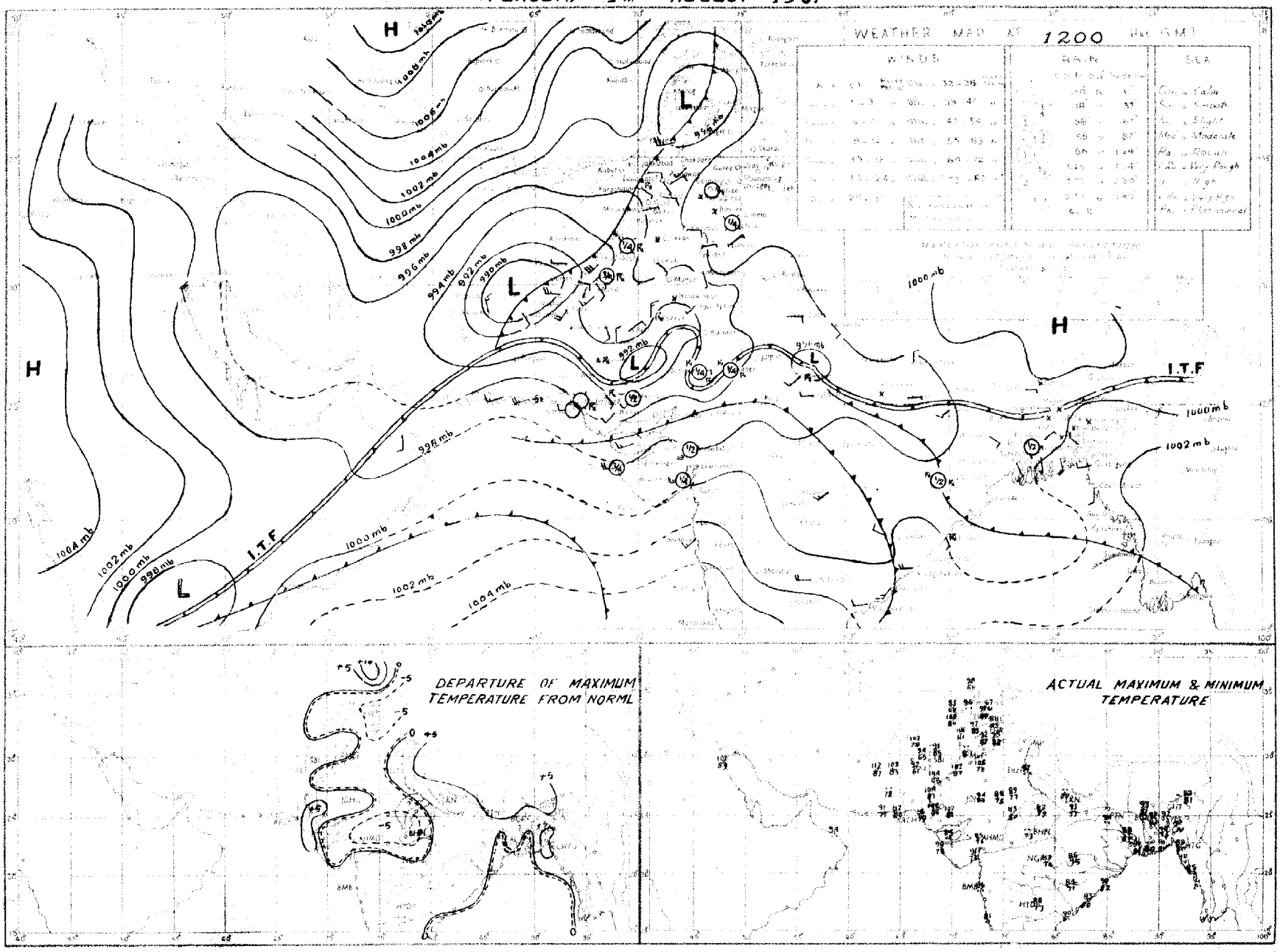




Rainfall amounts indicated in the above chart refer to past 24 hours

PAKISTAN DAILY WEATHER MAP

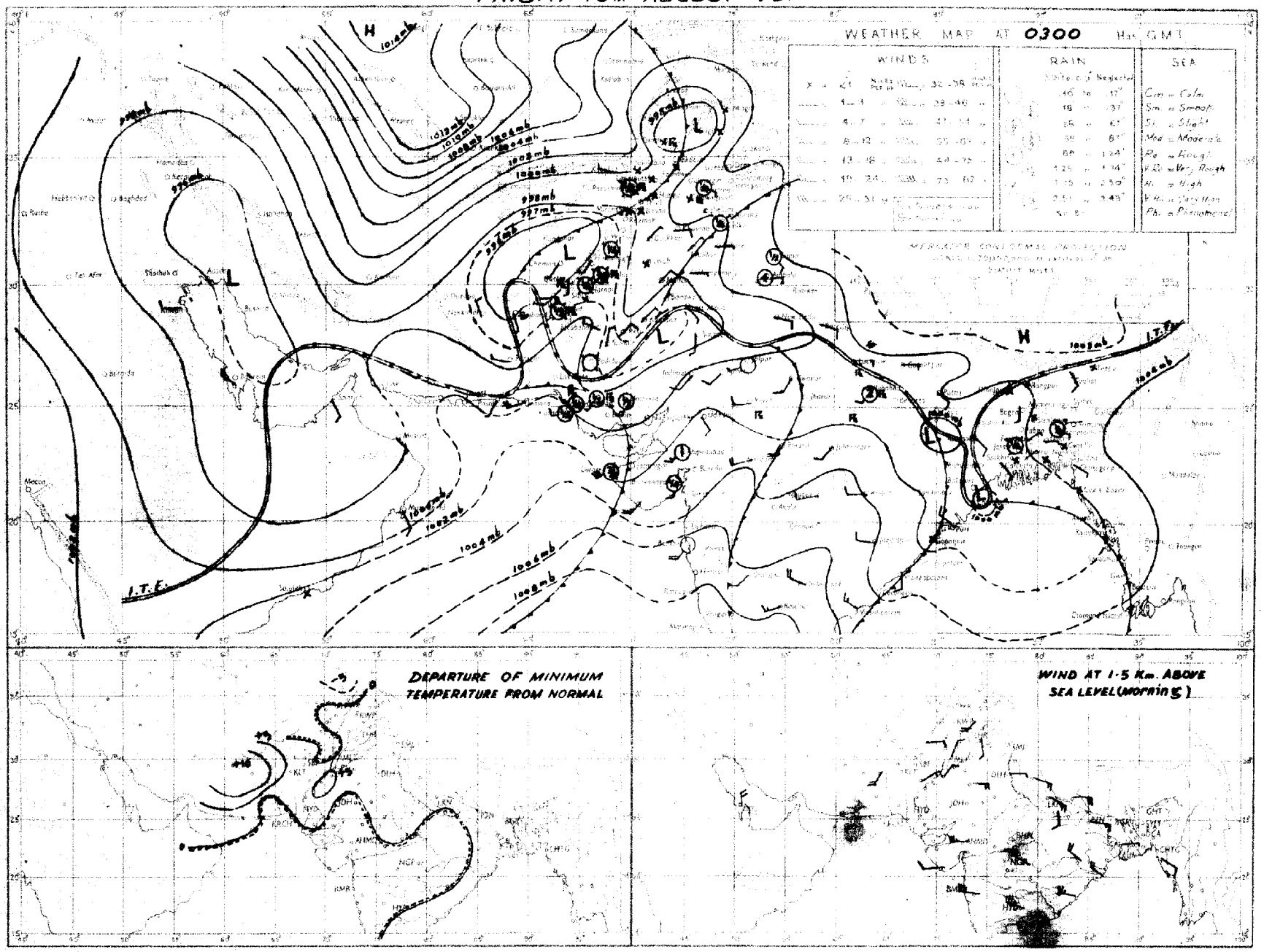
THURSDAY 9th AUGUST 1951



Pluvial amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER MAP

FRIDAY 10th AUGUST 1951



Rainfall amounts indicated in the above chart refer to past **24** *hours.*

Regd. No S-1451.

WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G. M. T. on Wednesday, the 22nd August 1951.

—o:O:o—

SUMMARY OF WEATHER.

A shallow depression appeared in the north Bay of Bengal on the 16th, moved inland in north-westerly direction and became diffused over south Bihar and Chota Nagpur by the next day. In its association monsoon was active in East Pakistan practically throughout the week.

Low pressure waves moving eastwards across the extreme north of West Pakistan caused marked spell of wet weather and thunderstorm activity in the North-West Frontier Province and the Punjab between the 17th and 19th, and a few thunderstorms/showers in the extreme north Punjab and the upper North-West Frontier Province on the last day of the week.

Some of the noteworthy amounts of rainfall recorded during the week were :- Mymensingh 1½"; Bogra, Sirajganj, Jessore and Comilla ½" each on the 16th; Jhelum 3", Cox's Bazar and Chakdara 2" each, Murree, and Rawalpindi 1" each, Chittagong, Satkhira and Barisal ½" each on the 17th; Comilla and Sirajganj 2" each, Bahawalpur 1½", Cox's Bazar, Peshawar and Satkhira ½" each on the 18th; Multan ¾", and Fort Abbas ½" on the 19th; Srimangal ¼" on the 20th; Cox's Bazar and Srimangal ¾" each on the 21st; Chittagong 8", Jessore and Sirajganj 4" each, Faridpur 3", Narayanganj and Cox's Bazar 2" each, Comilla 1½", Barisal, Bogra, Brahmanbaria and Khulna 1" each, Murree ¾" on the 22nd.

Day temperatures were markedly to considerably below normal in the north Punjab on the 17th and markedly above normal in lower Sind on the 18th. In East Pakistan they were generally appreciably above normal on the 15th.

2. EAST PAKISTAN: Rainfall was nearly general on five days in the Eastern sub-division, on three days in the Deltaic sub-division and on one day in the Northern sub-division. It occurred locally on two days in the Northern sub-division and on one day in the Deltaic sub-division. A few falls were also recorded on three days in the Deltaic sub-division and on two days in the Eastern sub-division.

KASHMIR: Data not available.

PUNJAB: Rainfall was nearly general on one day in the north Punjab and local on one day in the south Punjab, A few falls were also recorded on two days in the north Punjab and on one day in the south Punjab.

NORTH-WEST FRONTIER PROVINCE: Rainfall was local on two days.

BALUCHISTAN: A few falls were recorded on one day in north Baluchistan.

SIND: A few falls occurred on two days.

JUNAGADH: Data not available.

3. The week's rainfall was in excess in the south Punjab and normal in the Eastern and Deltaic sub-divisions of East Pakistan. It was deficient in the Northern sub-division of East Pakistan and the North-West Frontier Province and scanty elsewhere over the country.

Rainfall for the period from 1st June, 1951 to date was normal in the Eastern and Northern sub-divisions of East Pakistan and deficient elsewhere.

4. The table overleaf summarises the rainfall statistics for the leven sub-divisions of Pakistan both for the week and for the period from 1st June, 1951 to date.

KARACHI-11.
The 22nd August, 1951.

MOHAMMAD SHABBAR,
for Director, Meteorological Service.

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WEATHER BUREAU

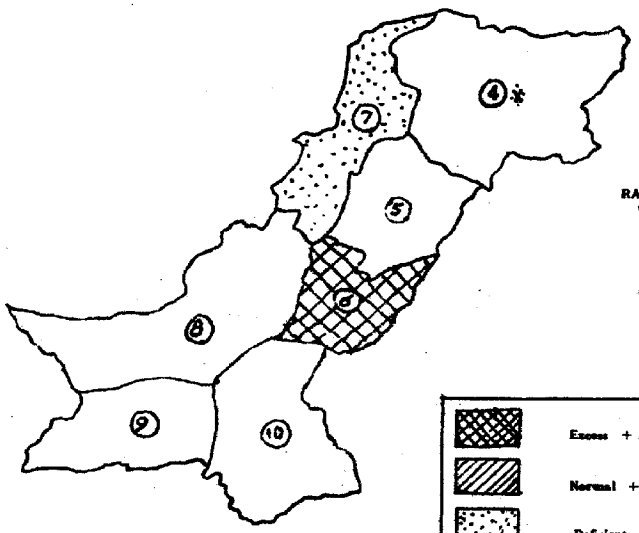
WEEKLY WEATHER REPORT

Division	Rainfall for week ending on 22nd August, 1951.			Rainfall for period from 1-6-1951 to 22nd August, 1951.			
	Actual †	Normal	Excess or defect	Actual †	Normal	* Excess or defect	
						Inches	Per cent
1	2	3	4	5	6	7	8
1. East Pakistan (East)	3.8	3.8	− 0.1	50.7	50.3	+ 0.4	+ 1
2. East Pakistan (Deltaic)	2.5	3.0	− 0.4	28.8	36.6	− 7.2	− 20
3. East Pakistan (North)	1.9	2.9	− 1.0	36.5	36.9	− 0.4	− 1
4. Kashmir ††	....	....	....	....	....	....	....
5. North Punjab	0.4	1.5	− 1.2	8.5	12.2	− 3.7	− 30
6. South Punjab	0.5	0.4	+0.1	1.9	4.5	− 2.7	− 59
7. N. W. F. P.	0.2	0.3	− 0.1	1.8	3.8	+2.0	− 52
8. North Baluchistan	0.1	0.2	− 0.1	1.3	2.3	− 1.0	− 42
9. South Baluchistan	0	0	0	0.6	0.9	− 0.3	− 36
10. Sind	0	0.3	− 0.3	1.9	4.5	− 2.6	− 58
11. Junagadh ††	....	....	....	....	....	....	....

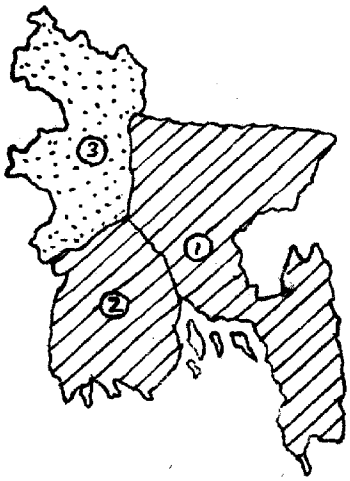
* In the calculation of excesses and defects, and their percentages, rainfall figures are taken correct to 0·01".

† Rainfall of stations having no normals is not included.

†† Data not available



RAINFALL FOR THE WEEK ENDING 22-8-1951



Excess + 20 % or more

Normal + 19% to −19 %

Deficient − 20% to 59 %

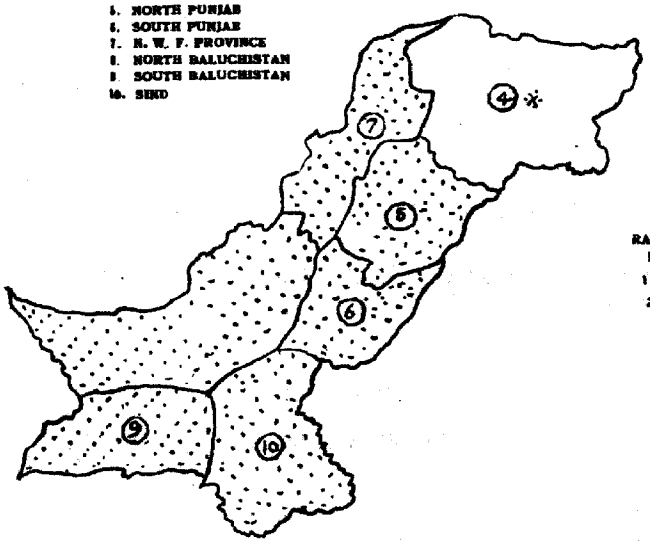
Scanty − 60 % or less

WEST PAKISTAN

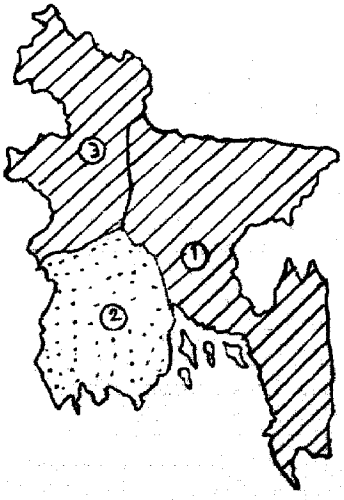
4. KASHMIR
5. NORTH PUNJAB
6. SOUTH PUNJAB
7. N. W. F. PROVINCE
8. NORTH BALUCHISTAN
9. SOUTH BALUCHISTAN
10. SIND

EAST PAKISTAN

1. EAST PAKISTAN (EAST)
2. EAST PAKISTAN (DELTAIC)
3. EAST PAKISTAN (NORTH)



RAINFALL FOR THE PERIOD FROM 1-6-1951 TO 22-8-1951



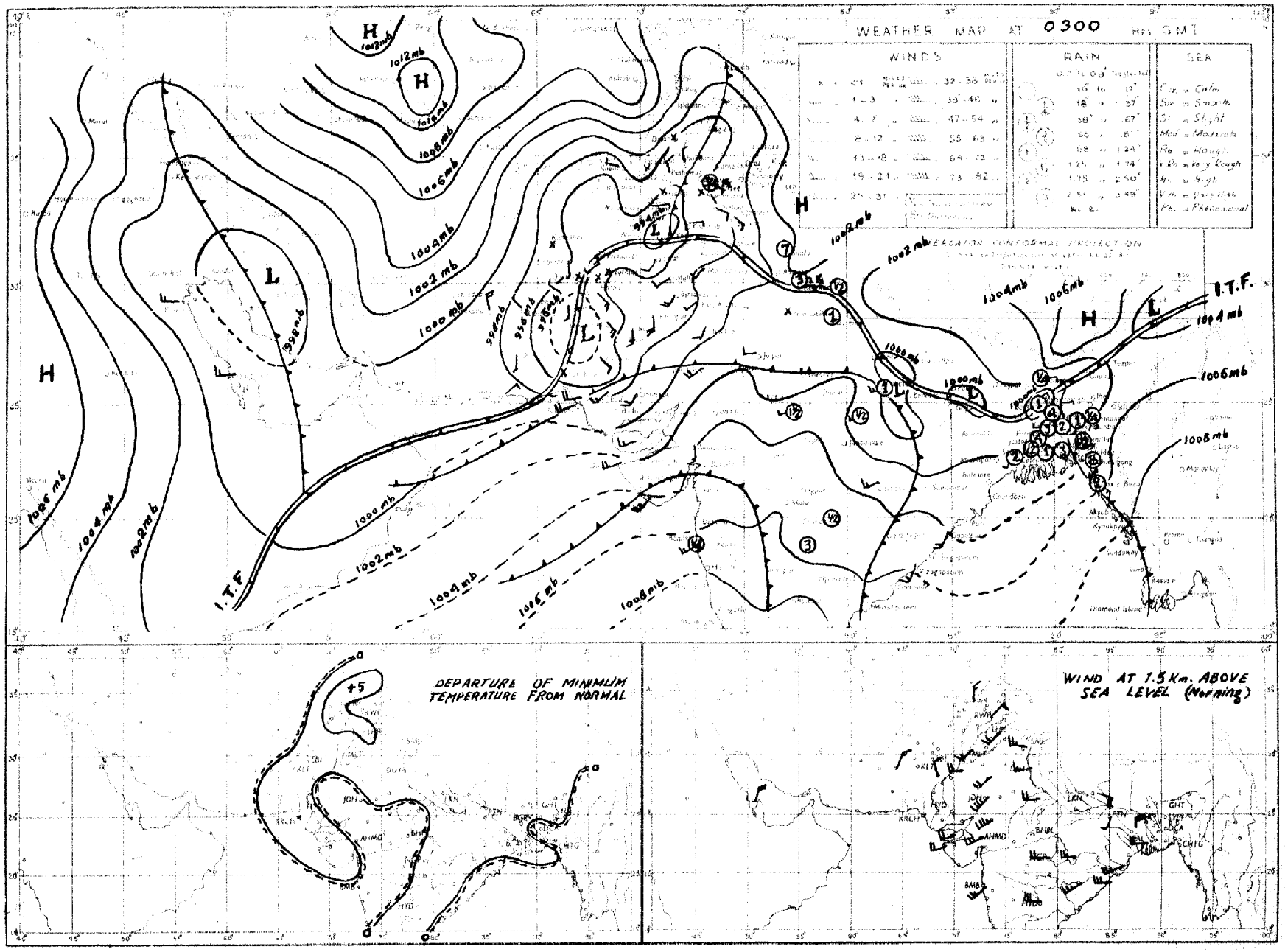
SCALE—[illegible] MILES—1"

SCALE—[illegible] MILES—1"

* Data not available.

PAKISTAN DAILY WEATHER MAP

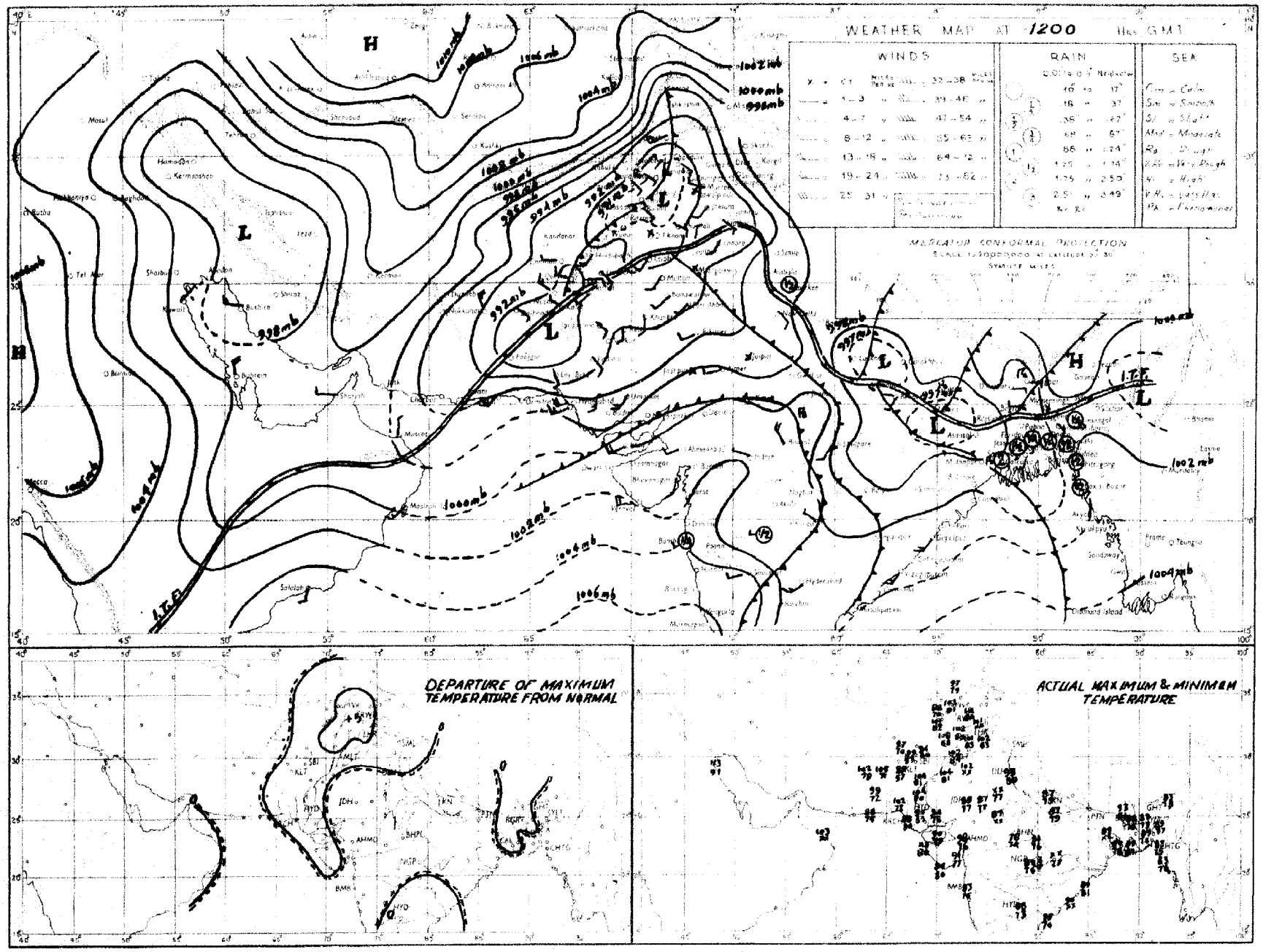
WEDNESDAY 22nd: AUGUST 1951



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

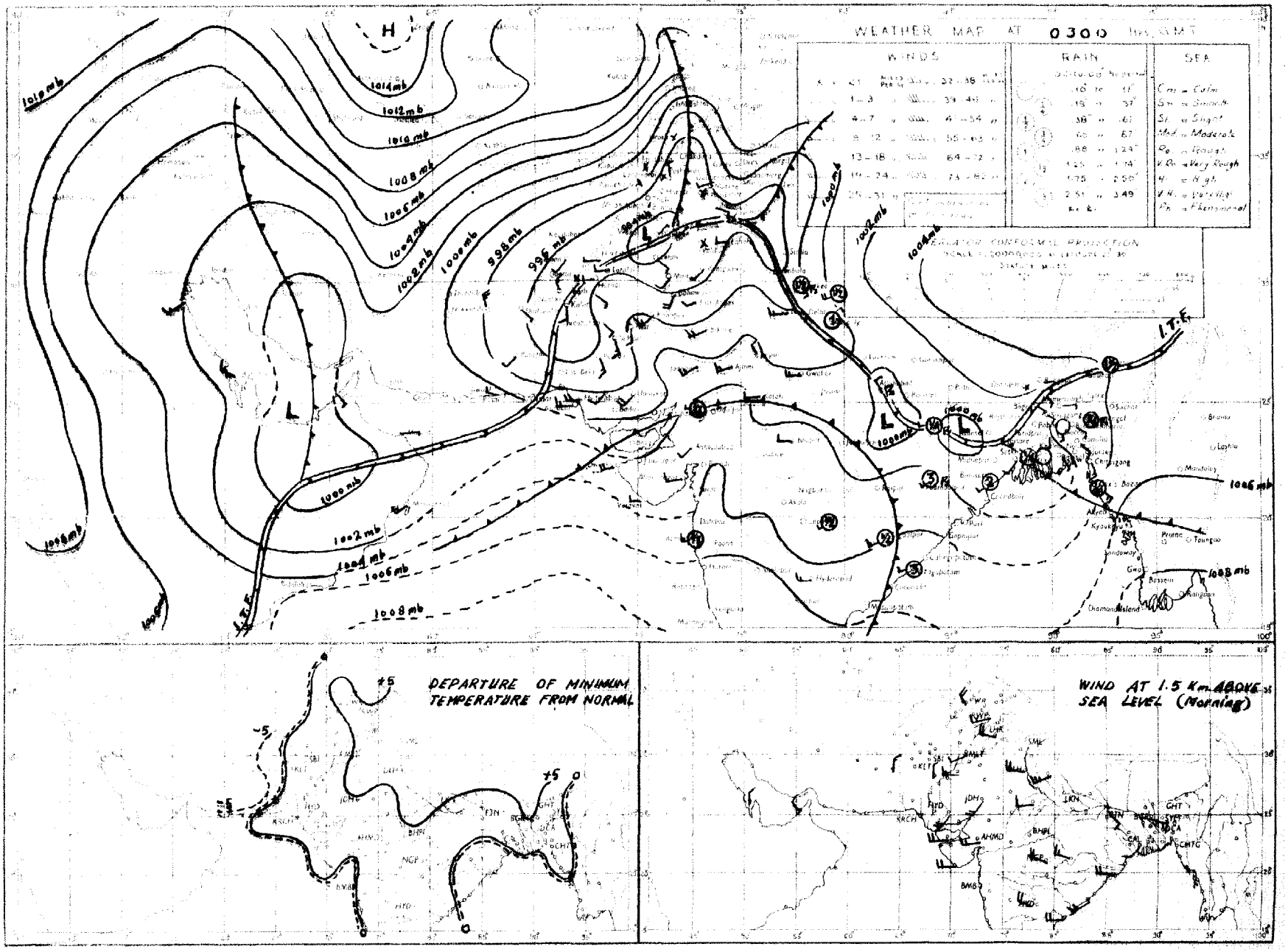
TUESDAY 21st: AUGUST 1951



Rainfall amounts indicated in the above chart refer to past 9 hours

PAKISTAN DAILY WEATHER MAP

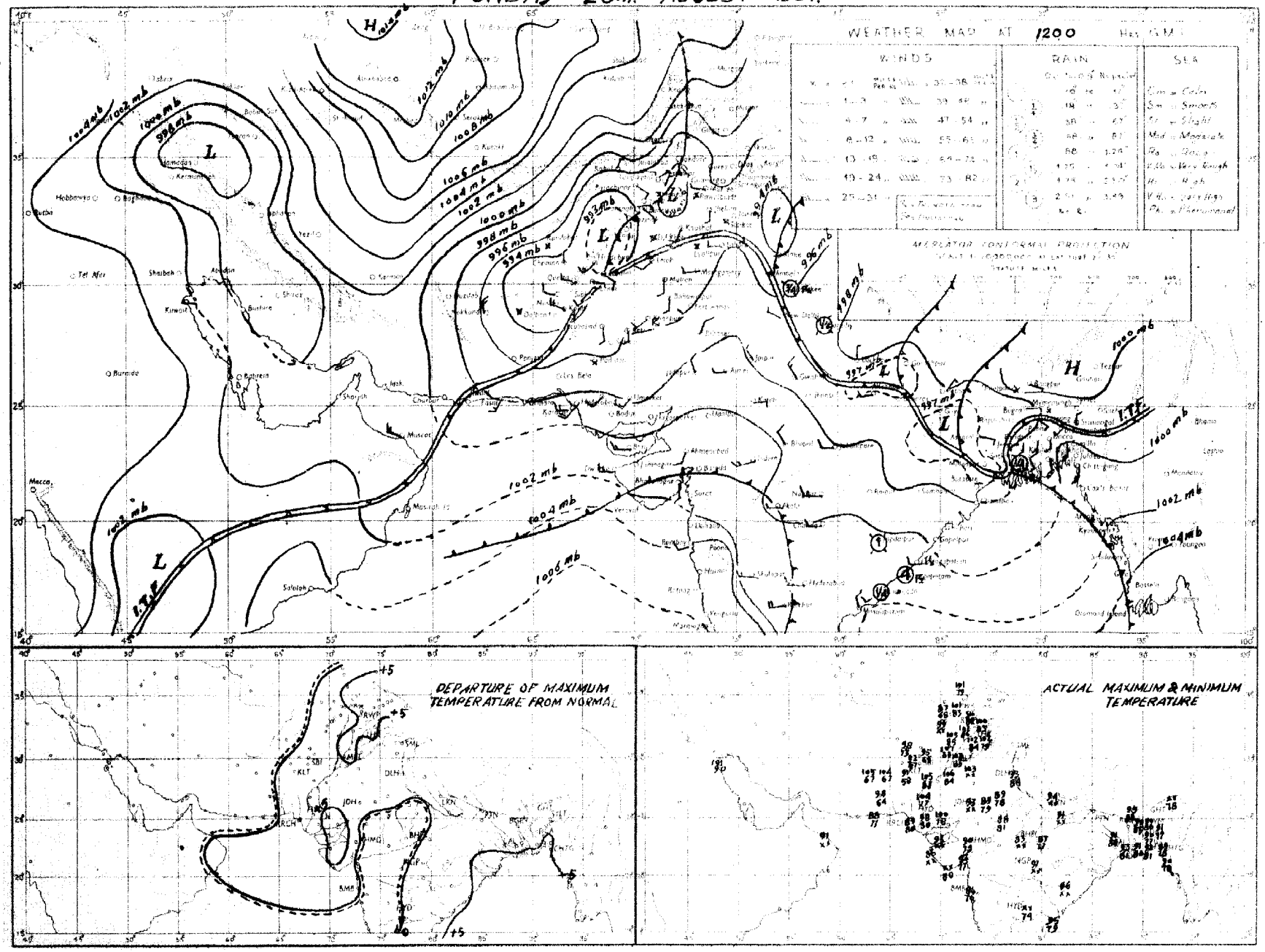
TUESDAY 21st AUGUST 1951



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

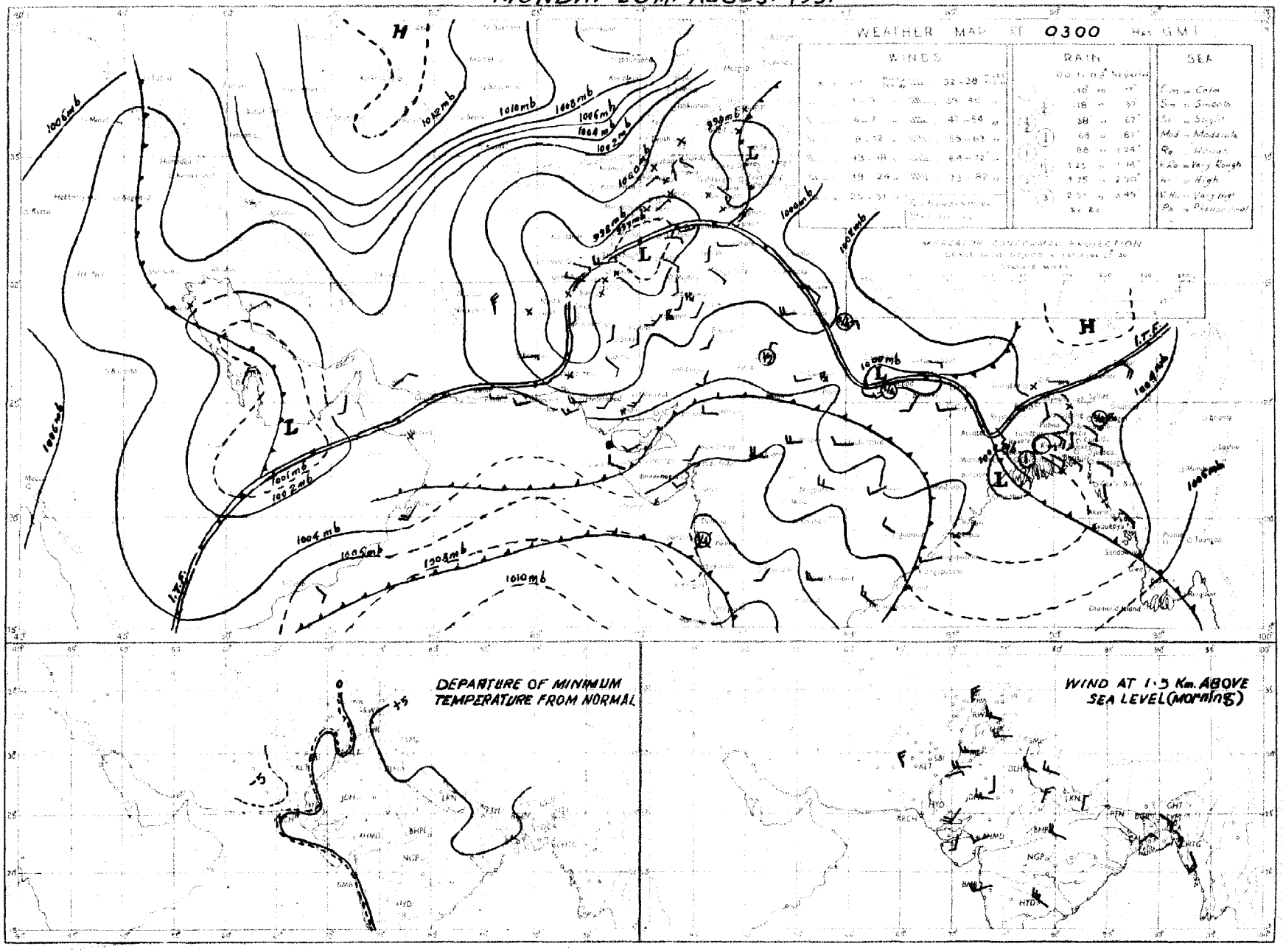
MONDAY 20th. AUGUST 1951.



Rainfall amounts indicated in the above chart refer to past 9 hours

PAKISTAN DAILY WEATHER MAP

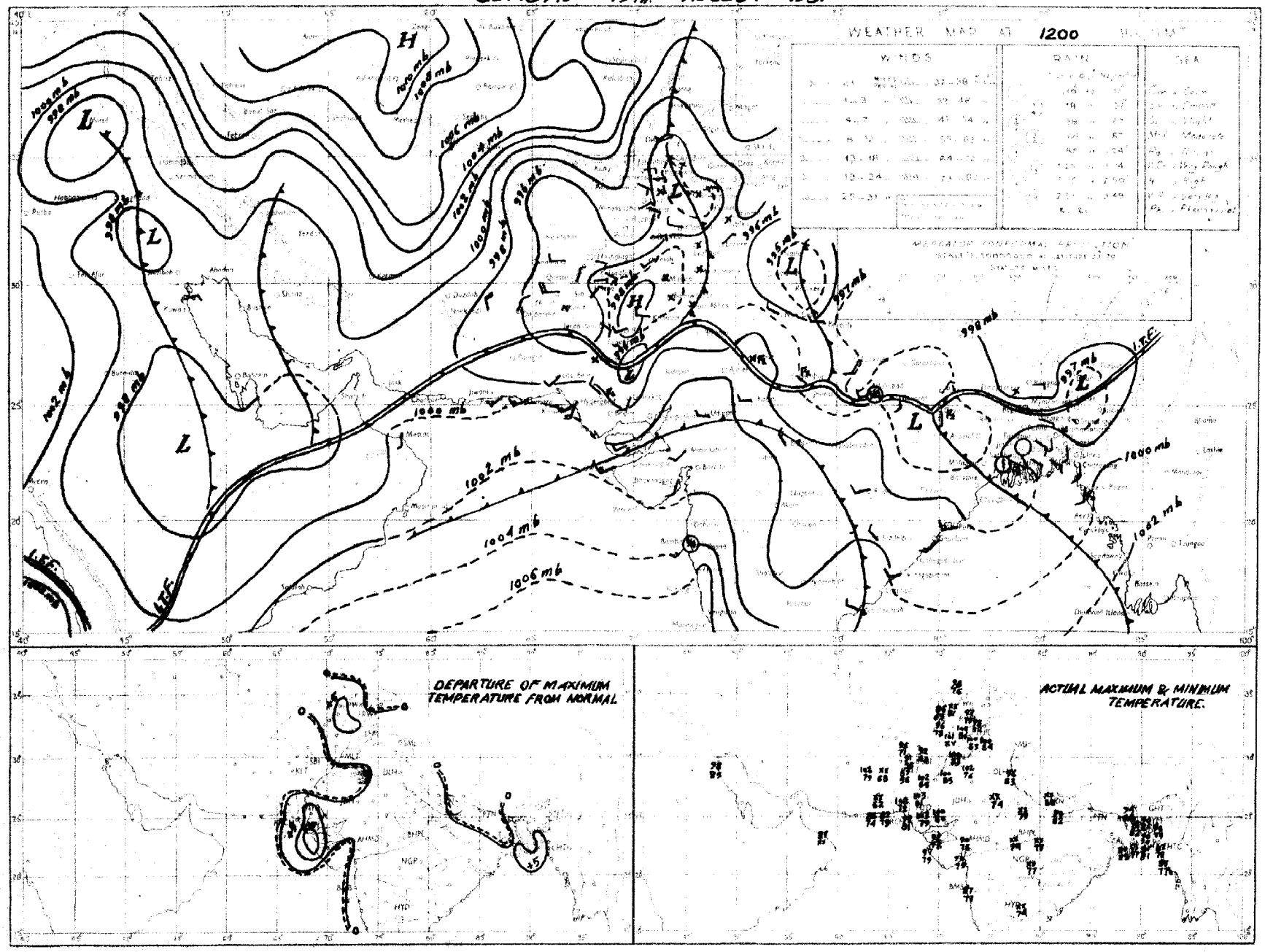
MONDAY 20th: AUGUST 1951



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

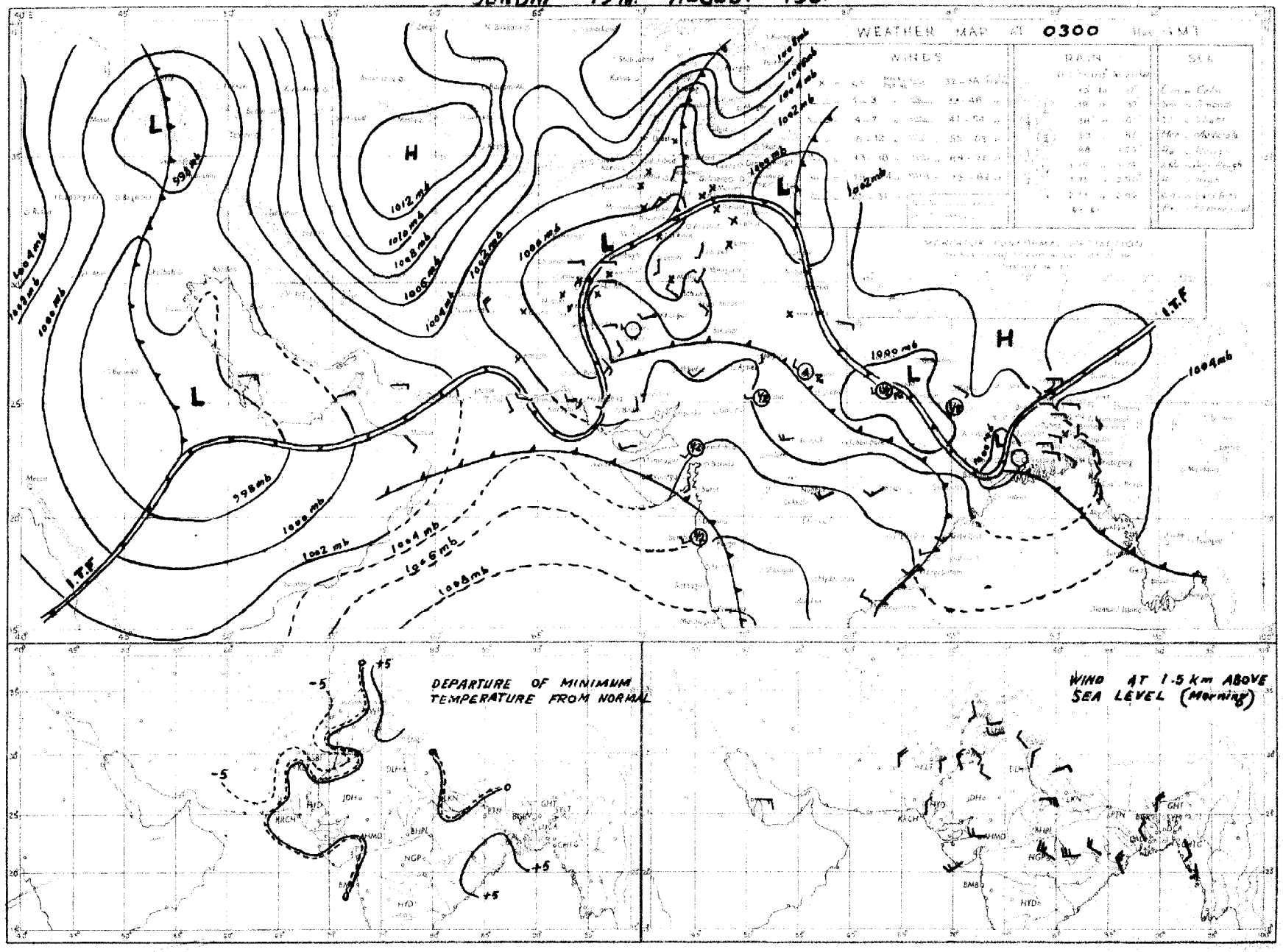
SUNDAY 19th. AUGUST 1951



Rainfall amounts indicated in the above chart refer to past 9 hours

PAKISTAN DAILY WEATHER MAP

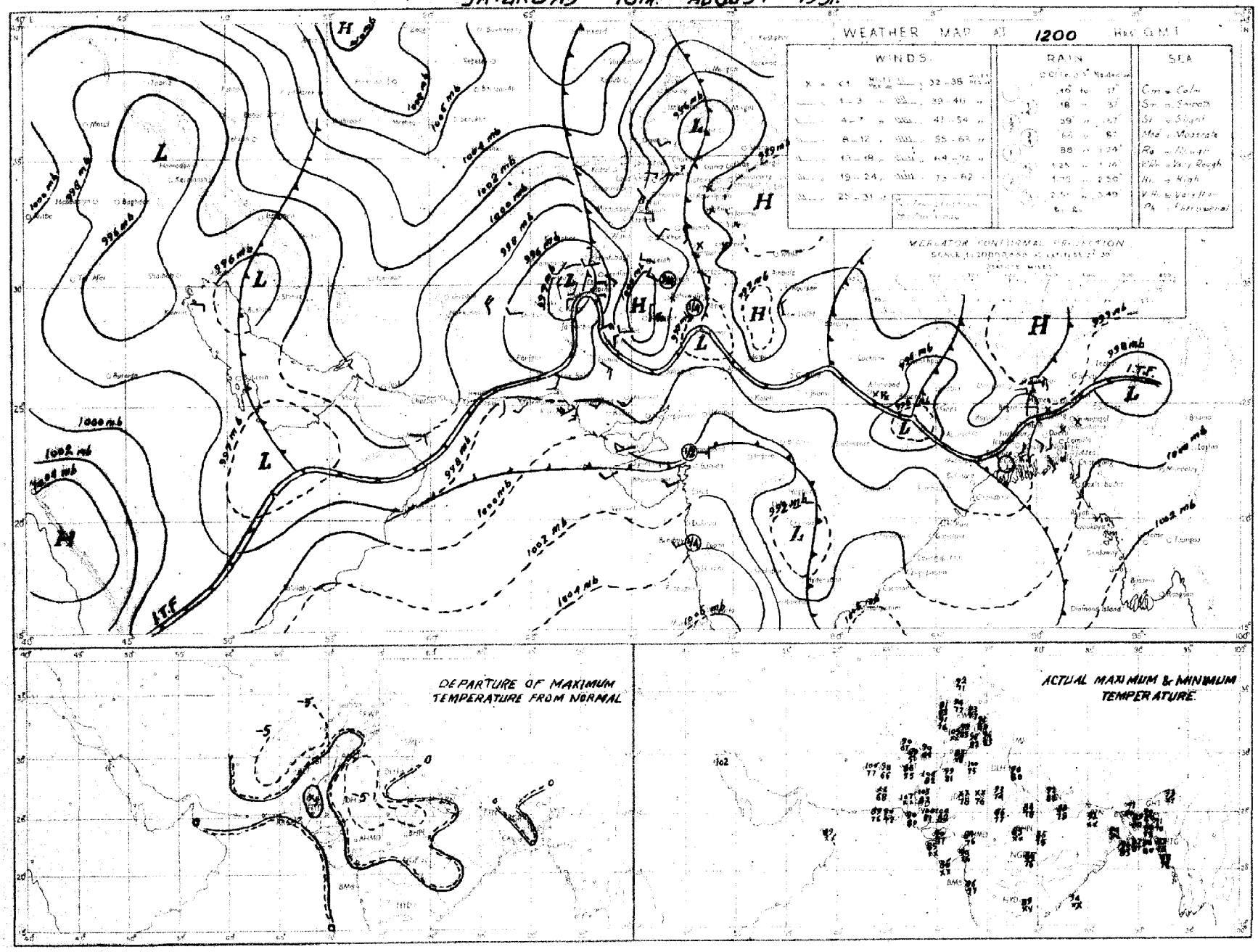
SUNDAY 19th AUGUST 1951



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

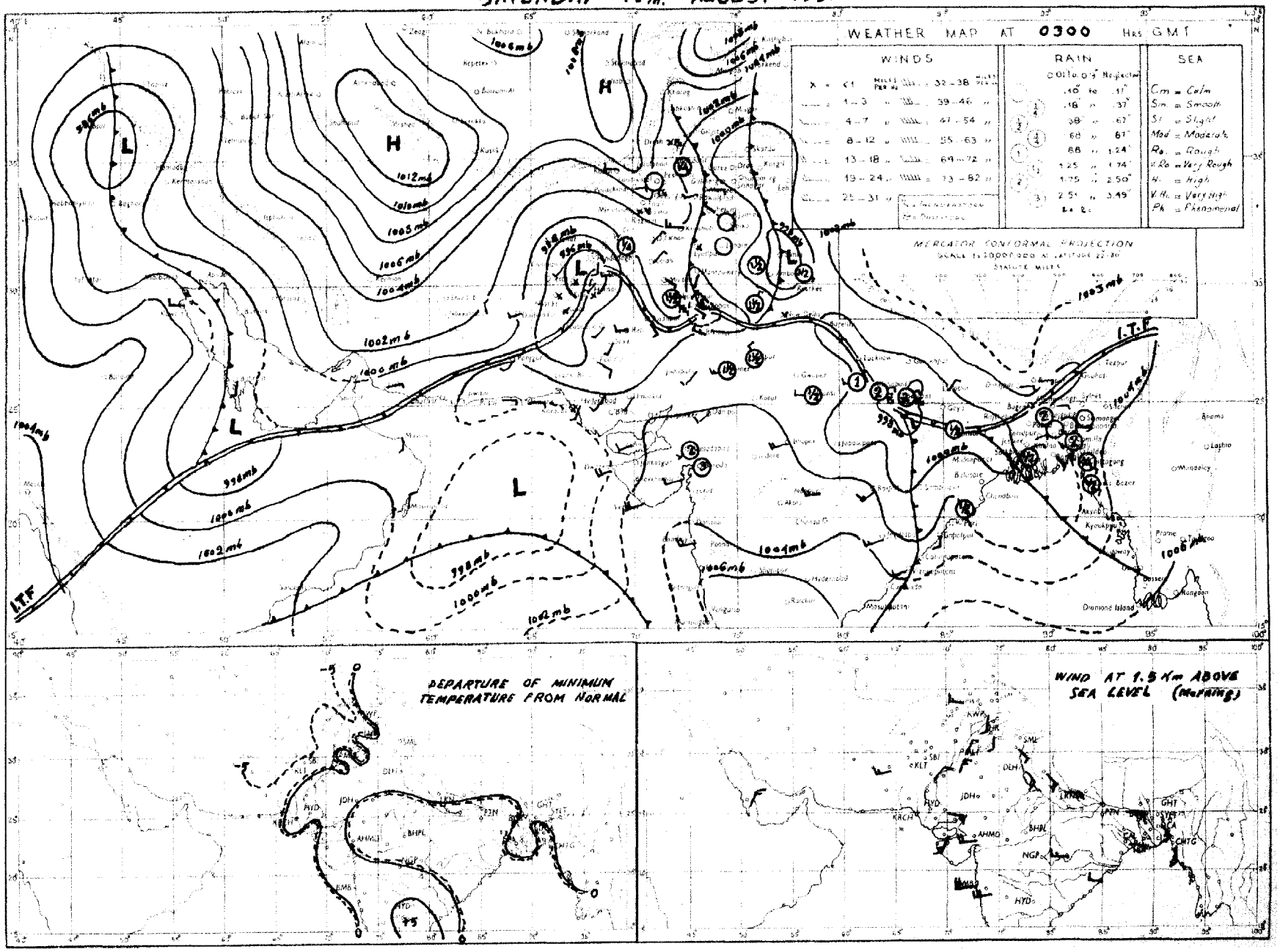
SATURDAY 18th. AUGUST 1951.



Rainfall amounts indicated in the above map refer to past 9 hours

PAKISTAN DAILY WEATHER MAP

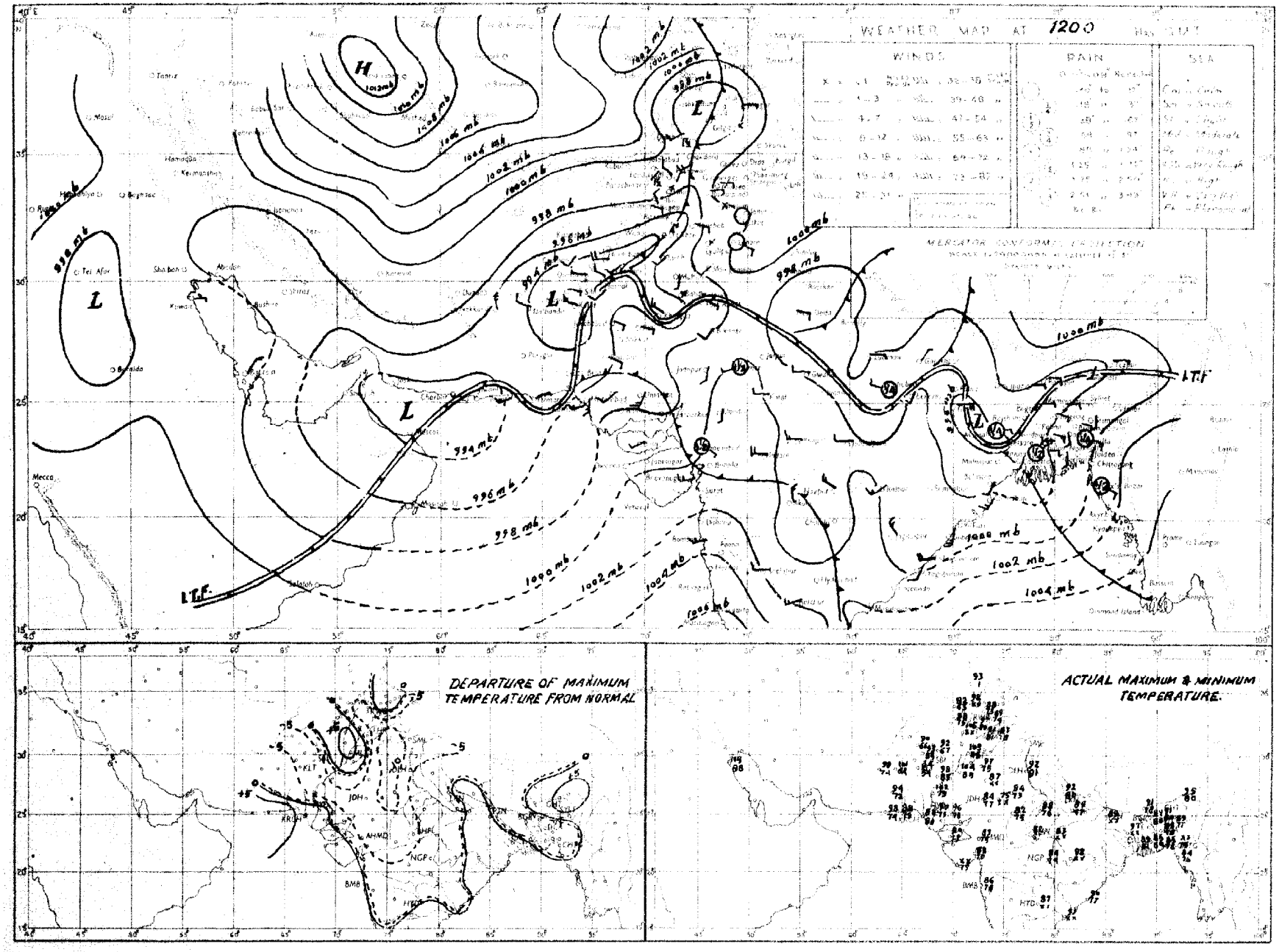
SATURDAY 18th. AUGUST 1951



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

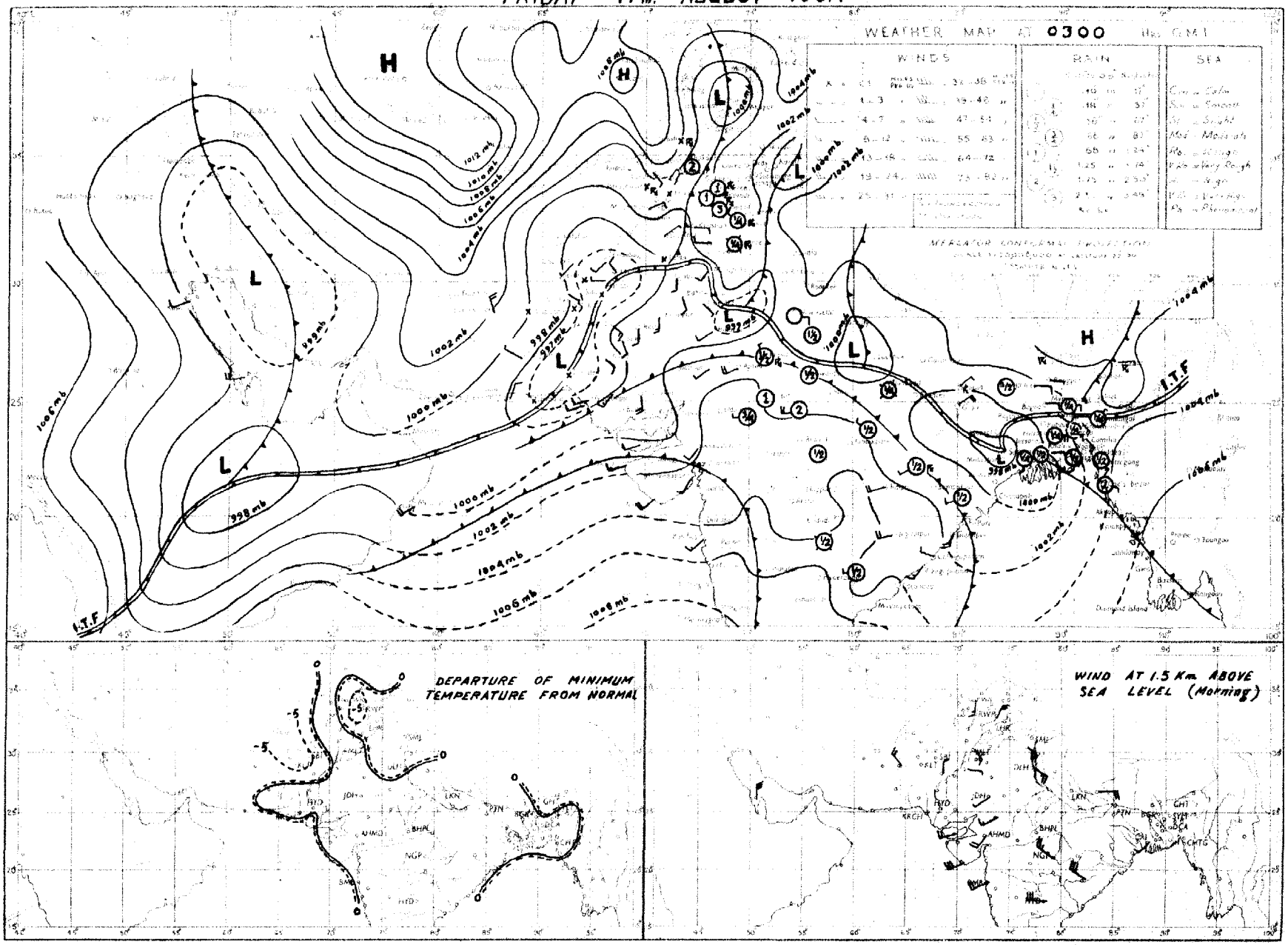
FRIDAY 17th. AUGUST 1951.



Rainfall amounts indicated in the above chart refer to past 9 hours

PAKISTAN DAILY WEATHER MAP

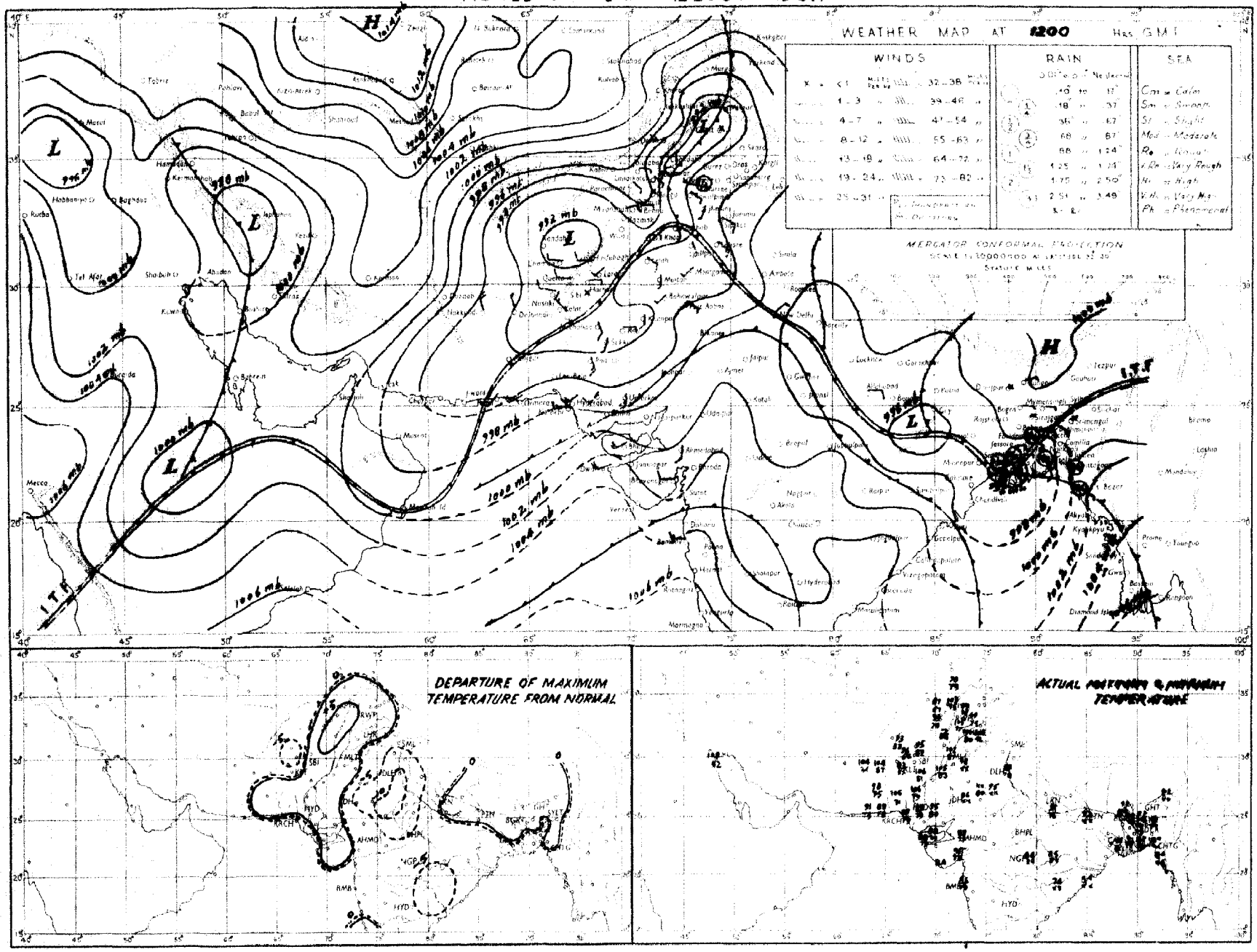
FRIDAY 17th AUGUST 1951.



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

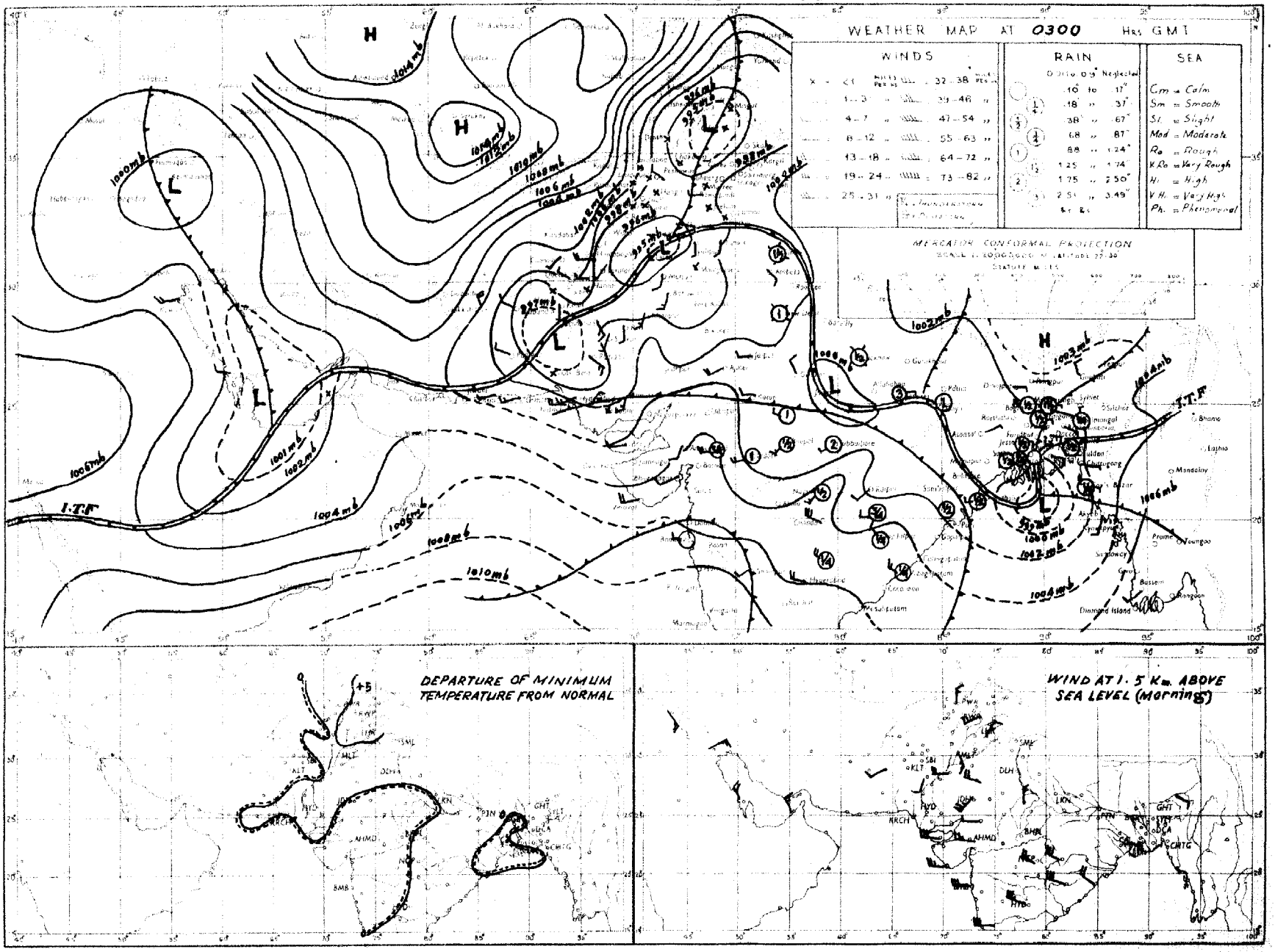
THURSDAY 16th AUGUST 1951.



Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER MAP

THURSDAY 16th AUGUST 1951



Rainfall amounts indicated in the above chart refer to past 24 hours.

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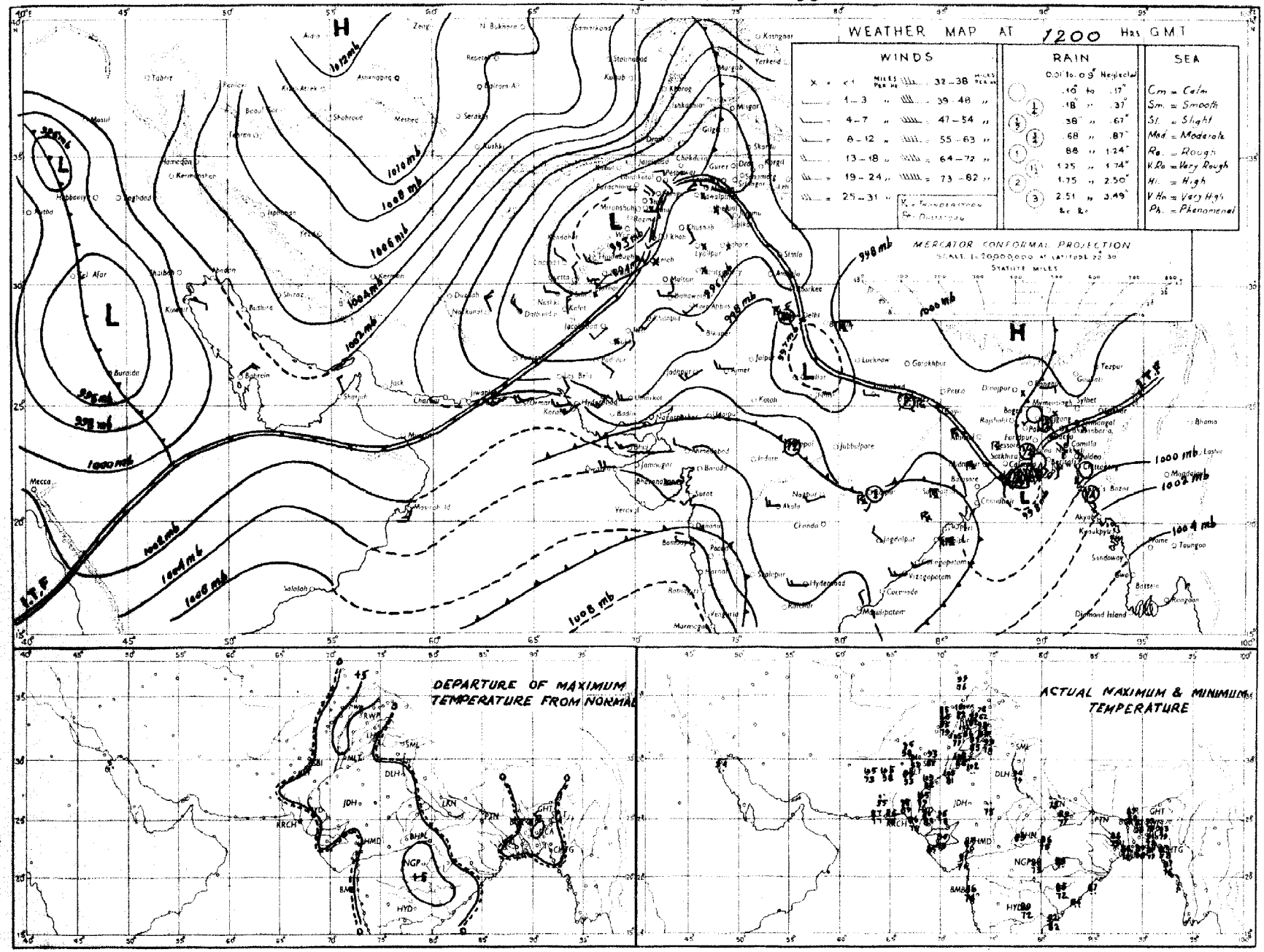
PAKISTAN DAILY WEATHER MAP

WEDNESDAY 15th AUGUST 1951



Rainfall amounts indicated in the above chart refer to past 9 hours.

Regd. No. S-1451.

WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G. M. T. on Wednesday, the 29th August 1951.

—o:O:o—

SUMMARY OF WEATHER.

Low pressure waves which moved eastwards across Kashmir and the adjoining areas of West Pakistan were responsible for thunderstorms/showers in the upper North-West Frontier Province and the north Punjab during the week.

In East Pakistan monsoon was vigorous on the first day and active during the rest of the week.

Some of the noteworthy amounts of rainfall recorded during the week were :—Chittagong 9", Dinajpur 5", Rangpur 4". Faridpur, Comilla, Sirajganj and Satkhira 3" each, Narayanganj 2", Brahmanbaria and Cox's Bazar 1½" each and Cherat ¼" on the 23; Cox's Bazar and Chittagong 3" each, Rangpur and Bogra 2" each, Narayanganj and Sirajganj 1" each and Dinajpur and Rawalpindi ¾" each on the 24th; Sirajganj 2", Chittagong, Comilla, Cox's Bazar and Murree 1½" each, Jhelum 1", Sialkot and Cherat ¾" each on the 25th; Comilla 1½", Chittagong and Sirajganj ¾" each, Brahmanbaria and Khushab ½" each on the 26th; Chittagong and Mymensingh 2" each, Srimangal, Comilla and Dinajpur 1½" each, Narayanganj and Barisal 1" each, Rangpur ¾" and Parachinar ½" on the 27th; Barisal 1½", Narayanganj and Srimangal 1" each and Dinajpur ¾" on the 28th; Bogra, Rangpur, Chittagong and Comilla ½" each on the 29th.

Day temperatures were appreciably to markedly below normal over West Pakistan outside lower Sind on the 27th, in north Baluchistan from 24th to 26th and in the North-West Frontier Province on the 25th and 26th. In East Pakistan they were generally appreciably above normal on the 25th and 28th.

2. EAST PAKISTAN: Rainfall was nearly general on six days in the Eastern sub-division, on four days in the Northern sub-division and on two days in the Deltaic sub-division. It occurred locally on four days in the Deltaic sub-division, on three days in the Northern sub-division and on one day in the Eastern sub-division. A few falls were also recorded in the Deltaic sub-division on one day.

KASHMIR: Data not available.

PUNJAB: Rainfall was local on two days and scattered on three days in the north Punjab.

NORTH-WEST FRONTIER PROVINCE: Rainfall was local on two days. It also occurred at a few places on three days.

BALUCHISTAN: Weather remained dry.

SIND: Weather remained dry.

JUNAGADH: Data not available.

3. The week's rainfall was in large excess in the Eastern and Northern sub-divisions and normal in the Deltaic sub-division of East Pakistan. It was deficient in the North-West Frontier Province and scanty in the north Punjab. No rain fell elsewhere in West Pakistan.

Rainfall for the period from 1st June, 1951 to date was normal in East Pakistan, deficient in the north Punjab, the North-West Frontier Province and Baluchistan. It was scanty in the south Punjab and Sind.

4. The table overleaf summarises the rainfall statistics for the eleven sub-divisions of Pakistan both for the week and for the period from 1st June, 1951 to date.

KARACHI-11.
The 29th August, 1951.

MOHAMMAD SHABBAR,
for Director, Meteorological Service.

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WEATHER BUREAU

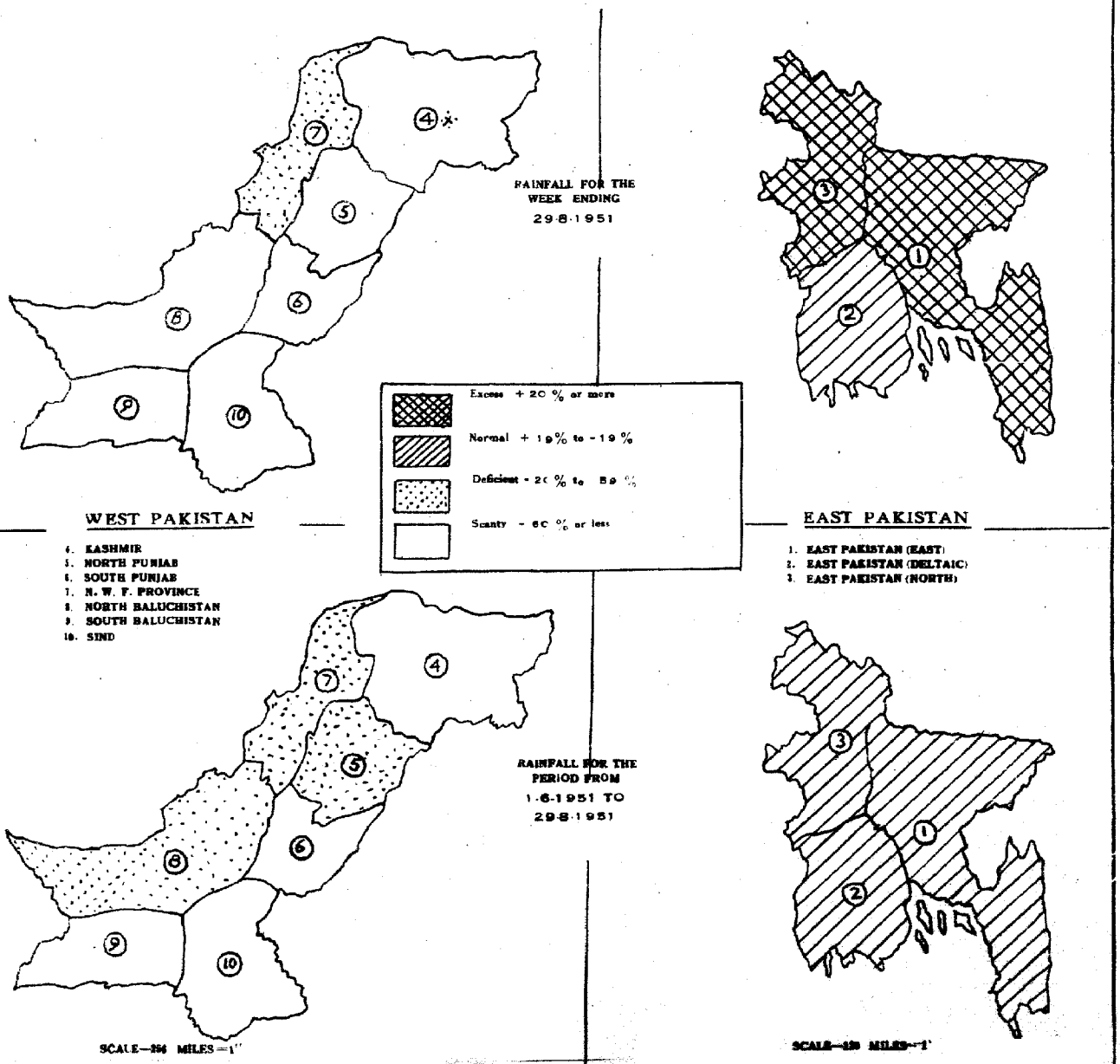
WEEKLY WEATHER REPORT

Division	Rainfall for week ending on 29th August, 1951.			Rainfall for period from 1-6-1951 to 29th August, 1951.			
	Actual †	Normal	Excess or defect	Actual †	Normal	* Excess or defect	
						Inches	Per cent
1	2	3	4	5	6	7	8
1. East Pakistan (East)	6.9	3.7	+ 3.2	57.6	54.0	+ 3.7	+ 7
2. East Pakistan (Deltaic)	2.7	2.7	− 0.1	31.4	38.7	− 7.3	− 19
3. East Pakistan (North)	6.7	3.2	+3.6	43.2	40.0	+ 3.2	+ 8
4. Kashmir ††	....	....	....	....	....	....	....
5. North Punjab	0.5	1.2	− 0.7	9.0	13.4	− 4.4	− 33
6. South Punjab	0	0.2	− 0.2	1.9	4.8	− 2.9	− 61
7. N. W. F. P.	0.1	0.2	− 0.1	1.9	4.0	− 2.1	− 52
8. North Baluchistan	0	0.2	− 0.2	1.3	2.5	− 1.1	− 46
9. South Baluchistan	0	0	...	0.6	0.9	− 0.3	− 36
10. Sind	0	0.2	− 0.2	1.9	4.7	− 2.8	− 60
11. Junagadh ††	....	....	....	....	....	....	....

* In the calculation of excesses and defects, and their percentages, rainfall figures are taken correct to 0·01".

† Rainfall of stations having no normals is not included.

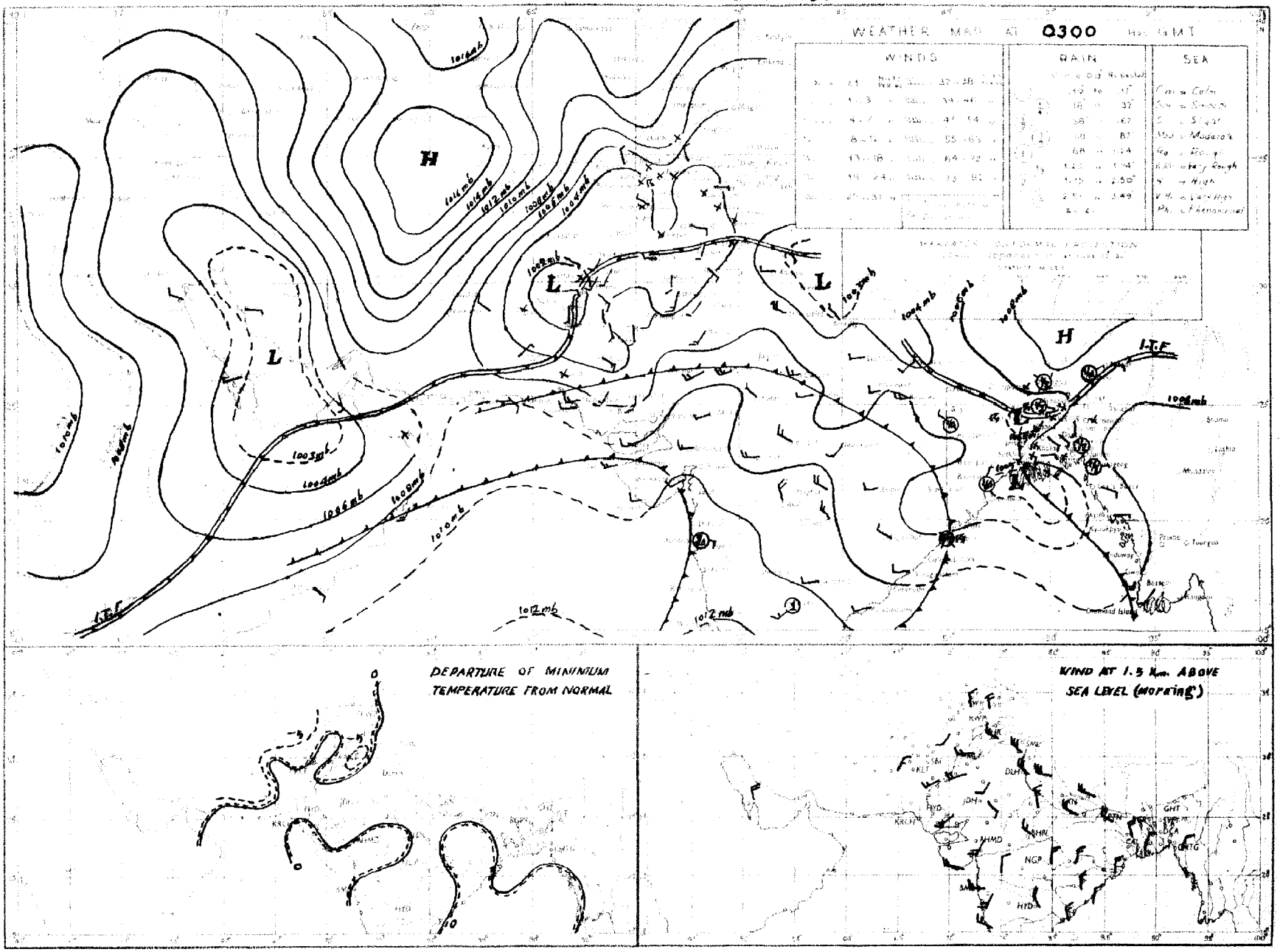
†† Data not available



* Data not available.

PAKISTAN DAILY WEATHER MAP

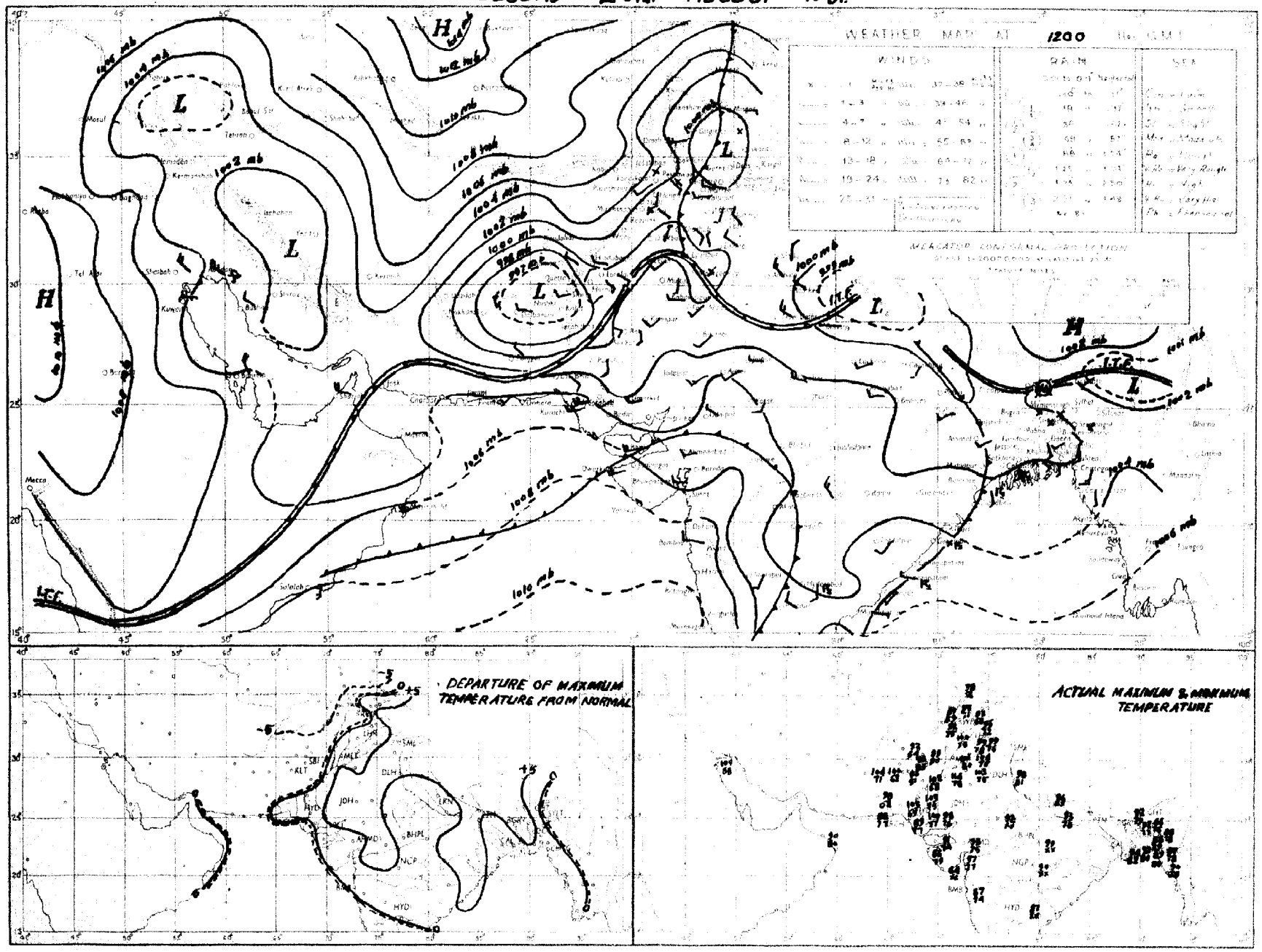
WEDNESDAY 29th: AUGUST 1951



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

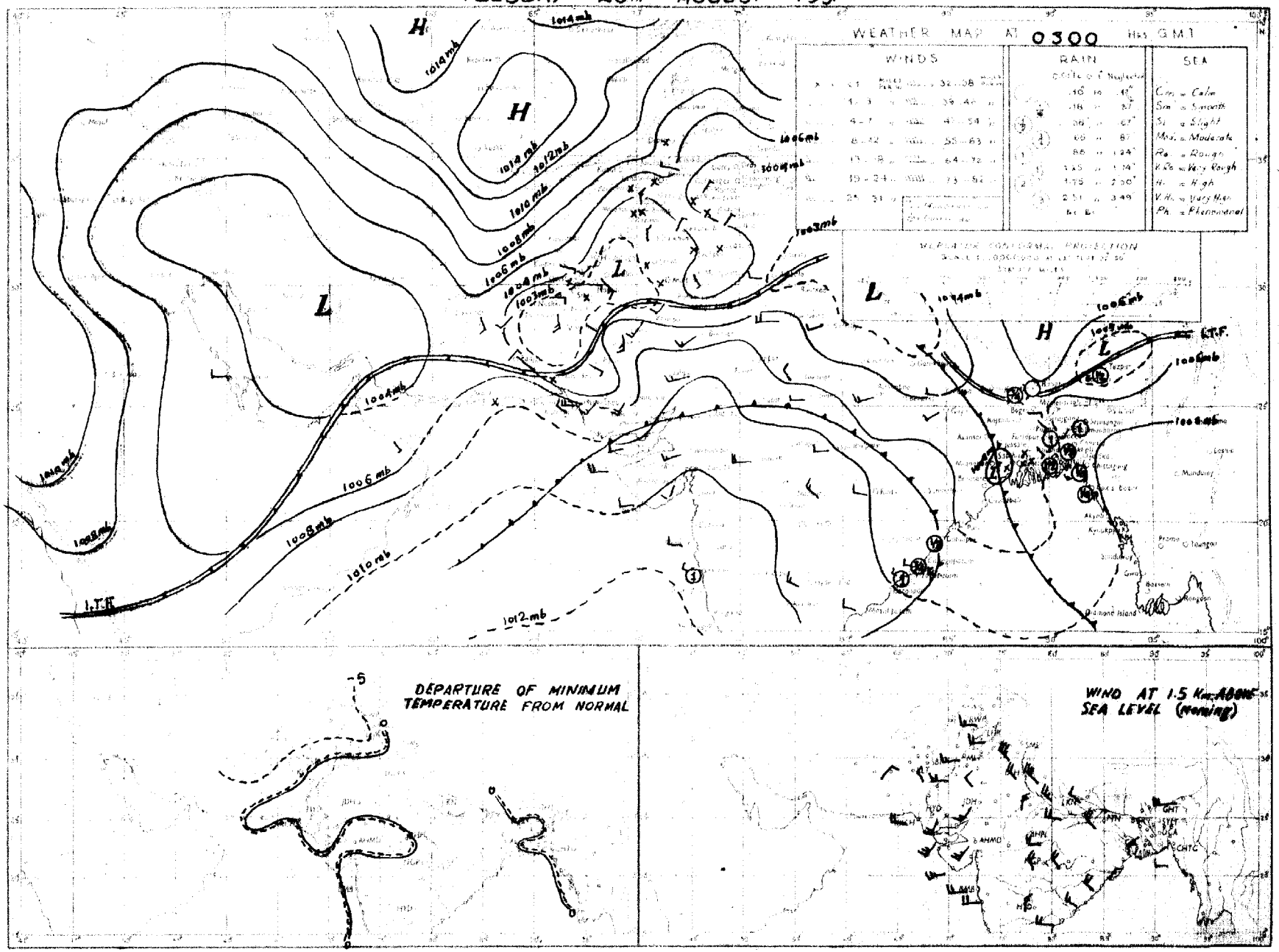
TUESDAY 28th. AUGUST 1951.



Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER MAP

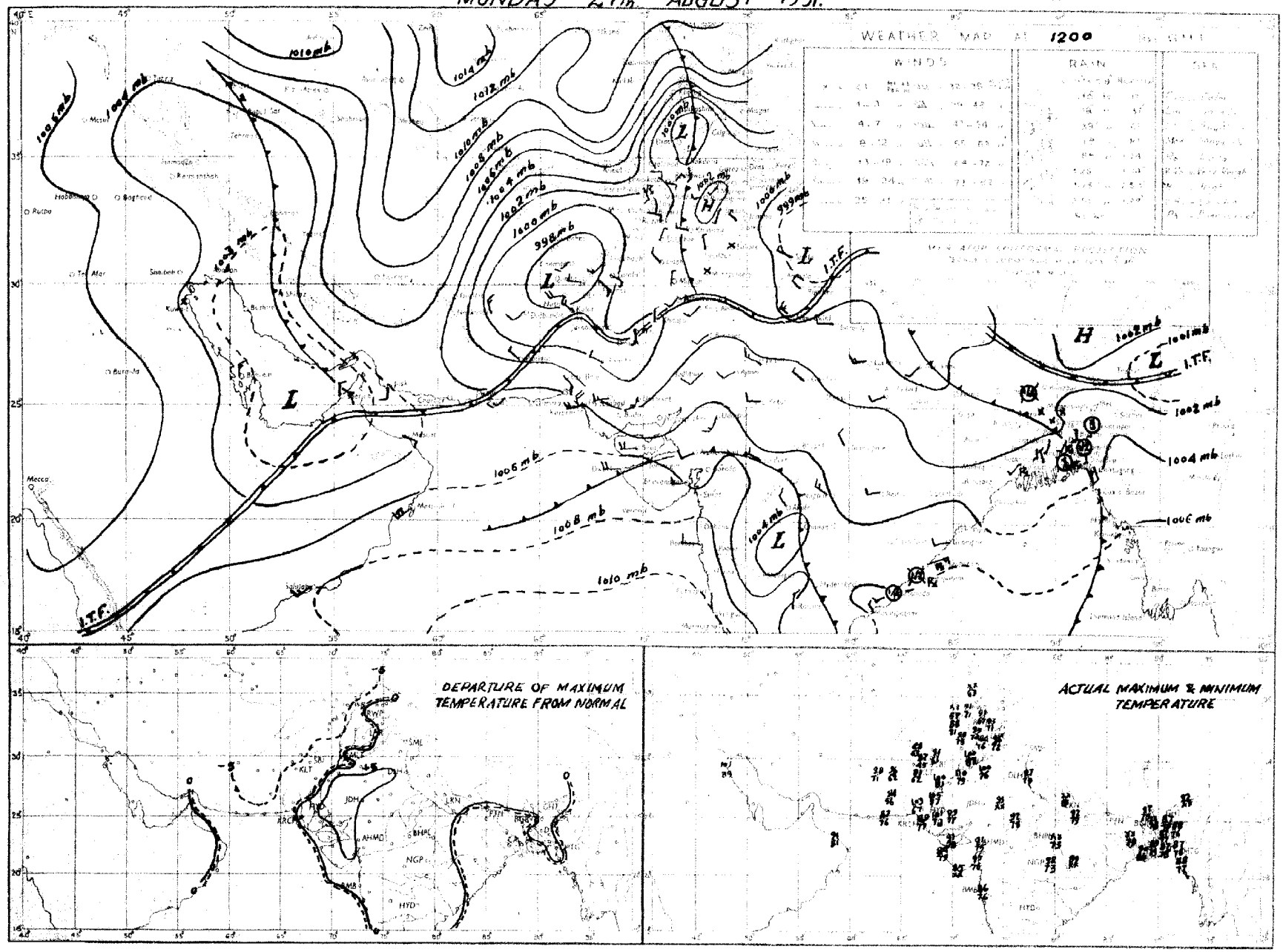
TUESDAY 28th AUGUST 1951



Rainfall amounts indicated on the chart refer to past 24 hours

PAKISTAN DAILY WEATHER MAP

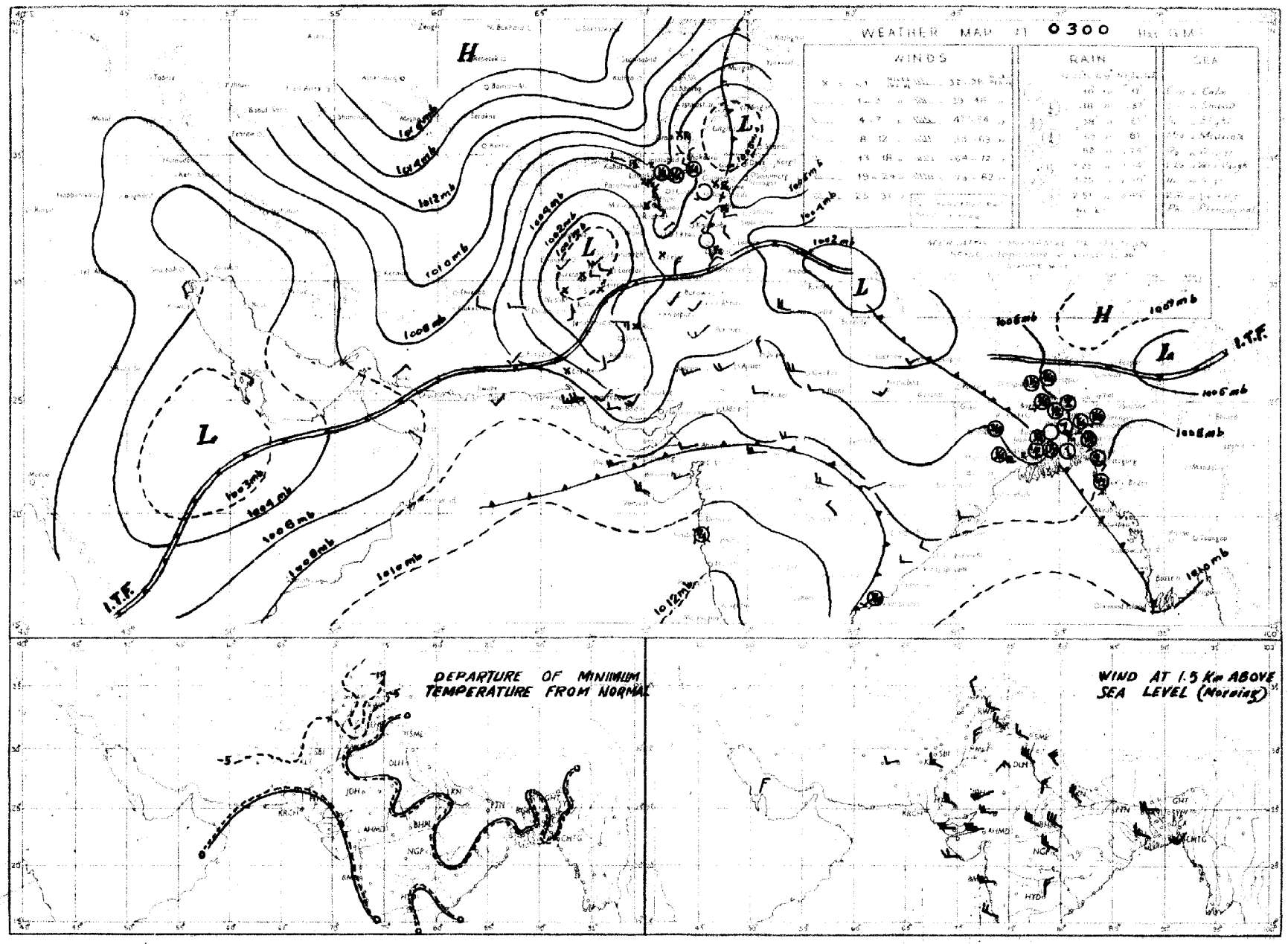
MONDAY 27th AUGUST 1951.



Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER MAP

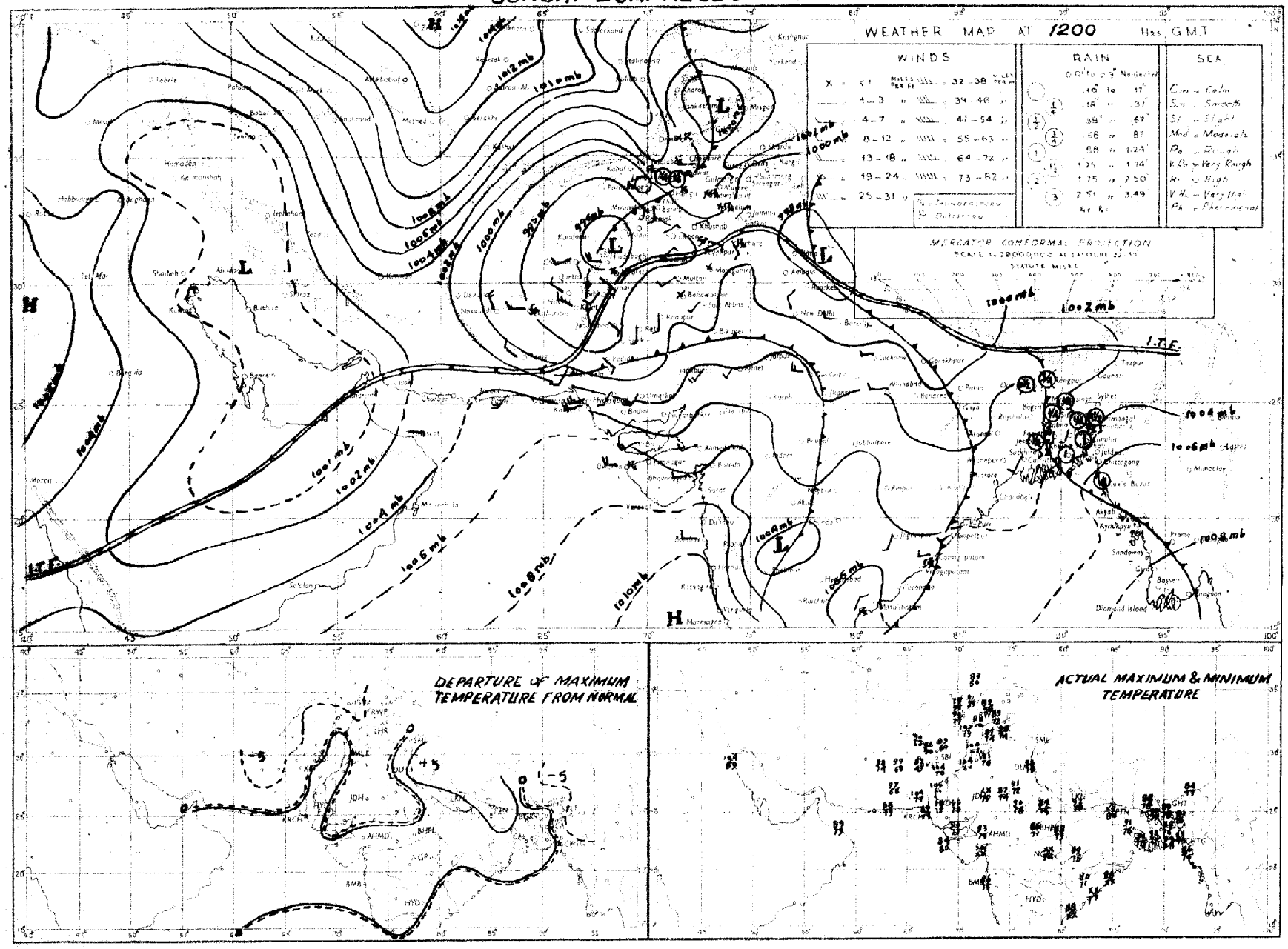
MONDAY 27th AUGUST 1951



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

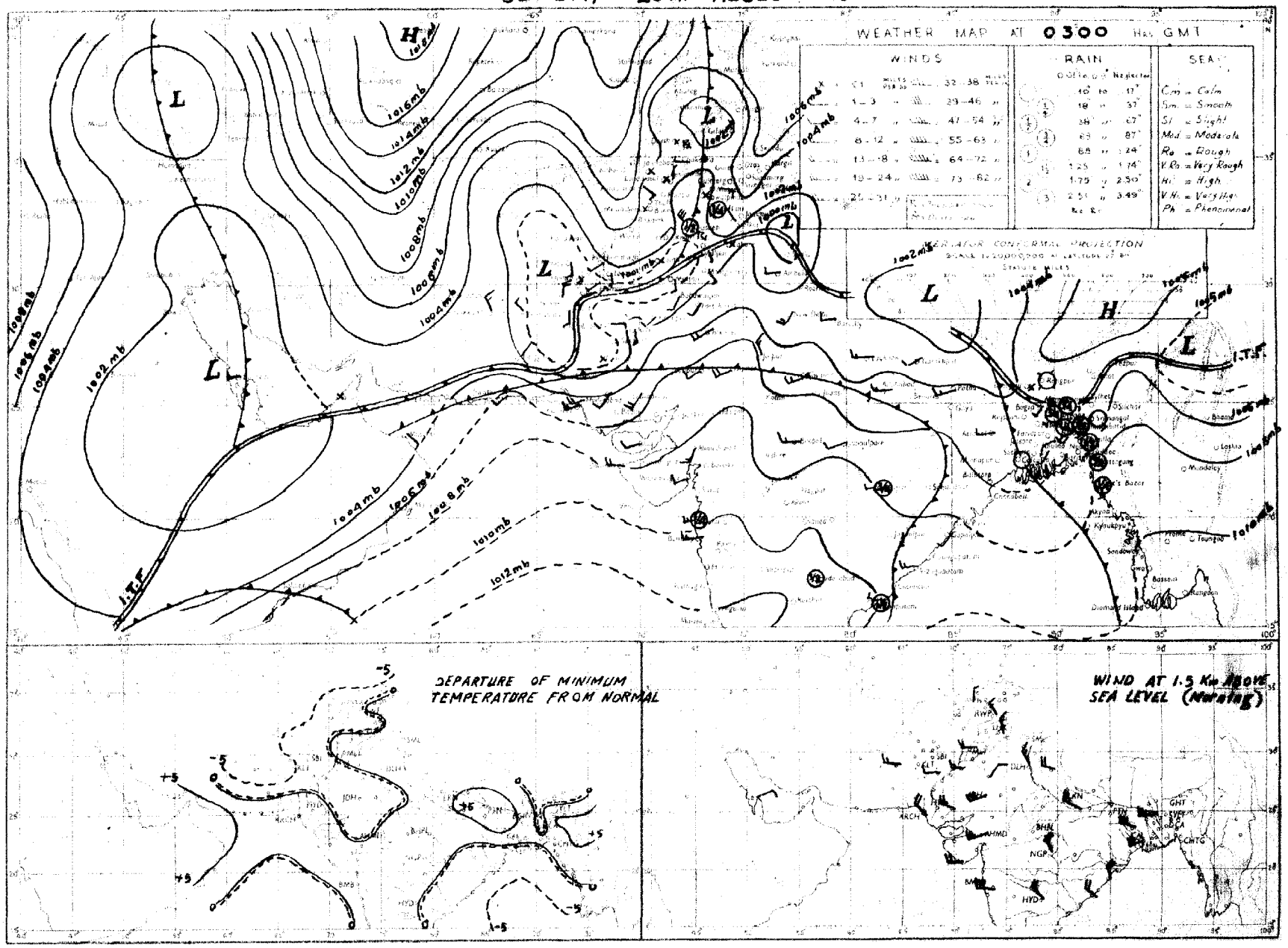
SUNDAY 26th: AUGUST 1951



Rainfall amounts indicated in the above chart refer to past 9 hours

PAKISTAN DAILY WEATHER MAP

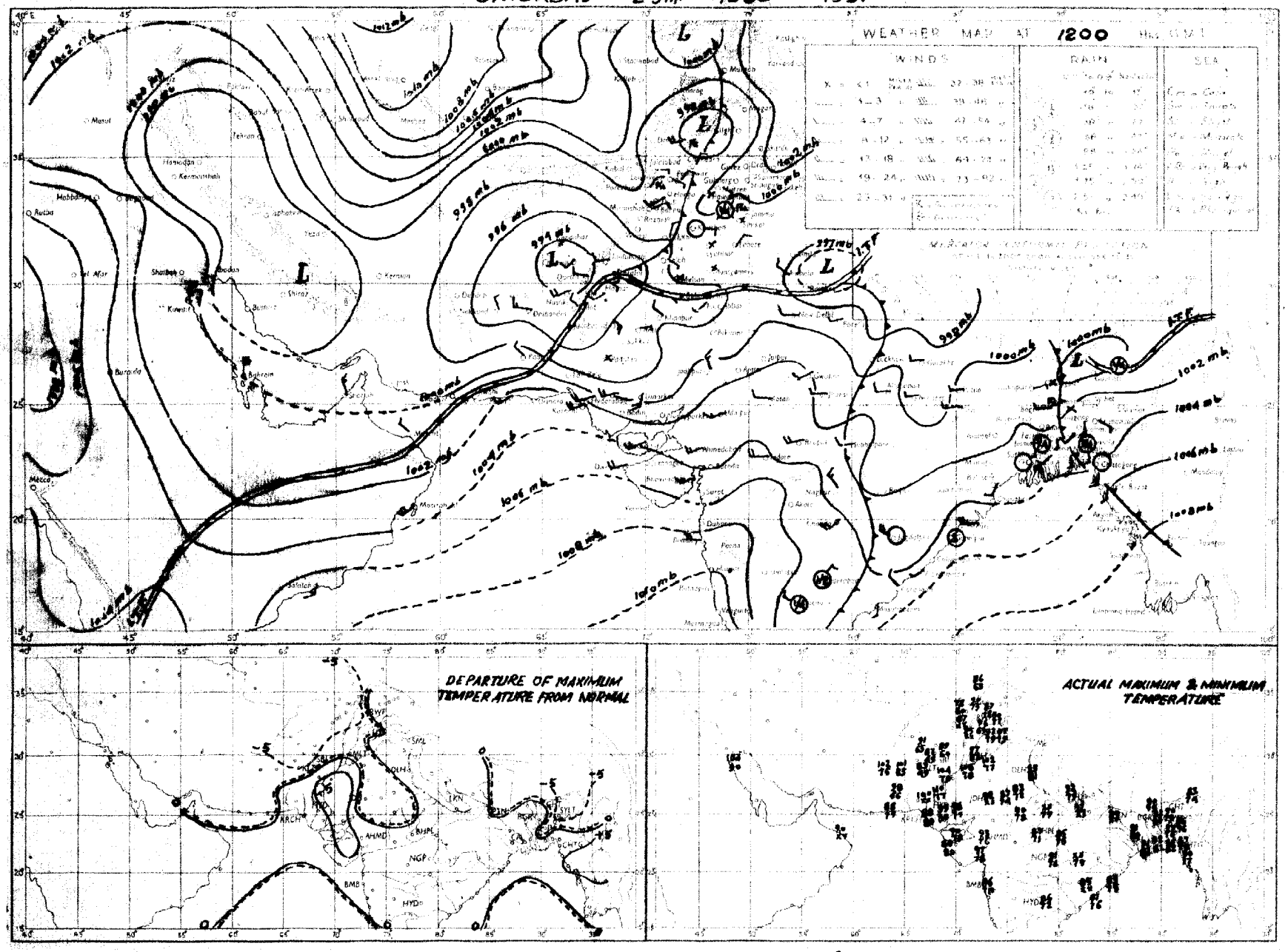
SUNDAY 26th. AUGUST 1951



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

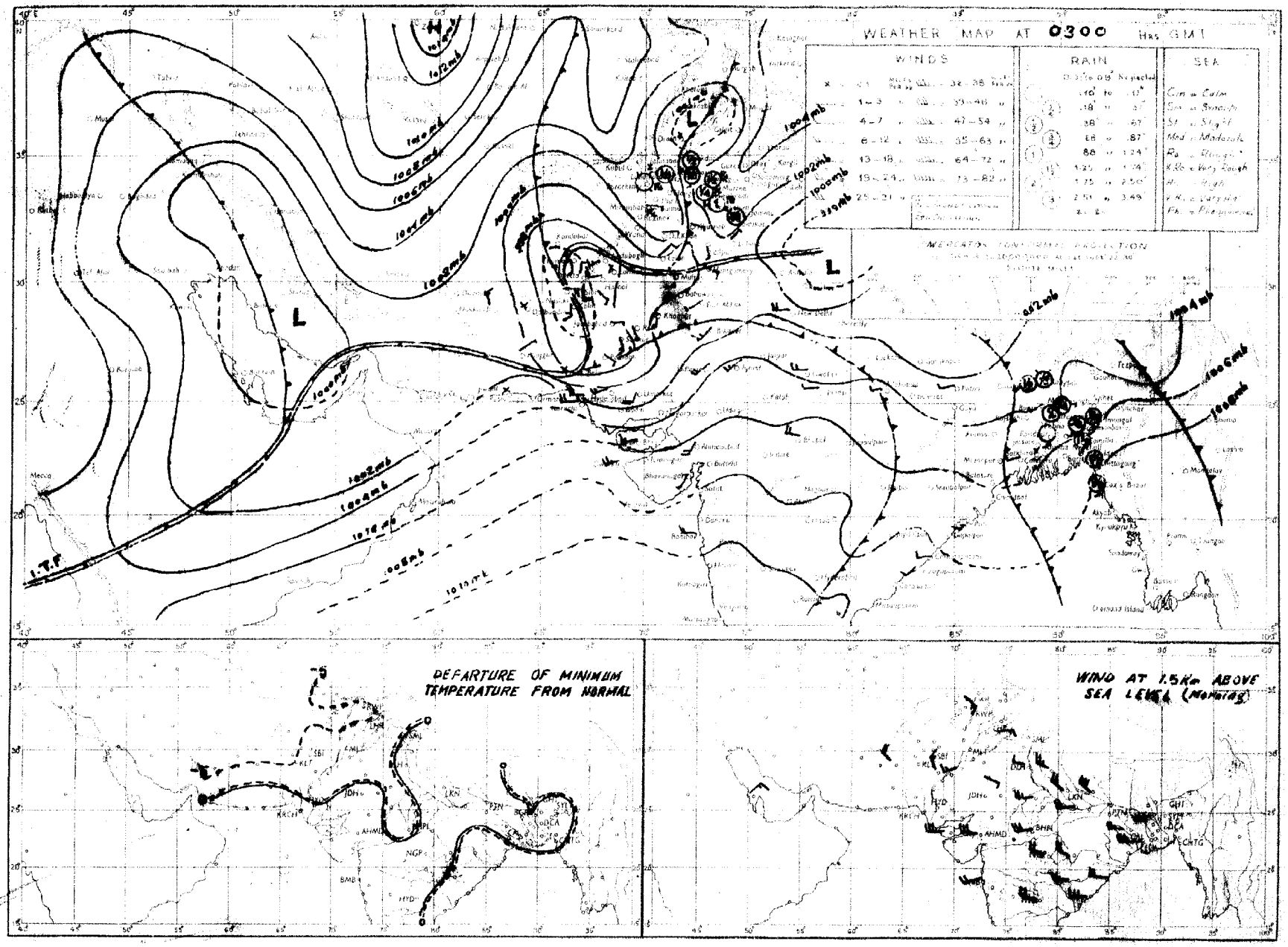
SATURDAY 25th. AUGUST 1951



Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER MAP

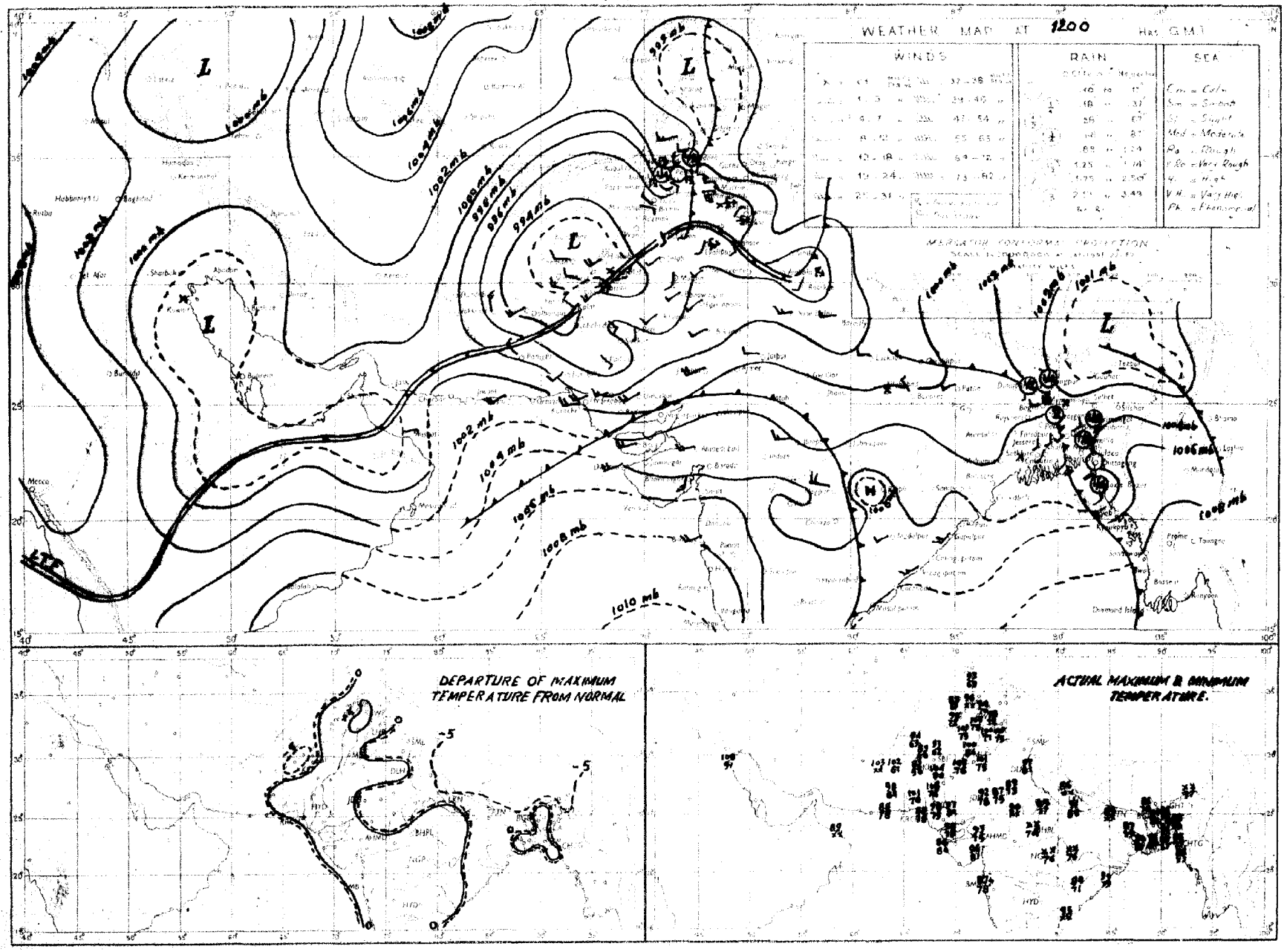
SATURDAY 25th AUGUST 1951



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

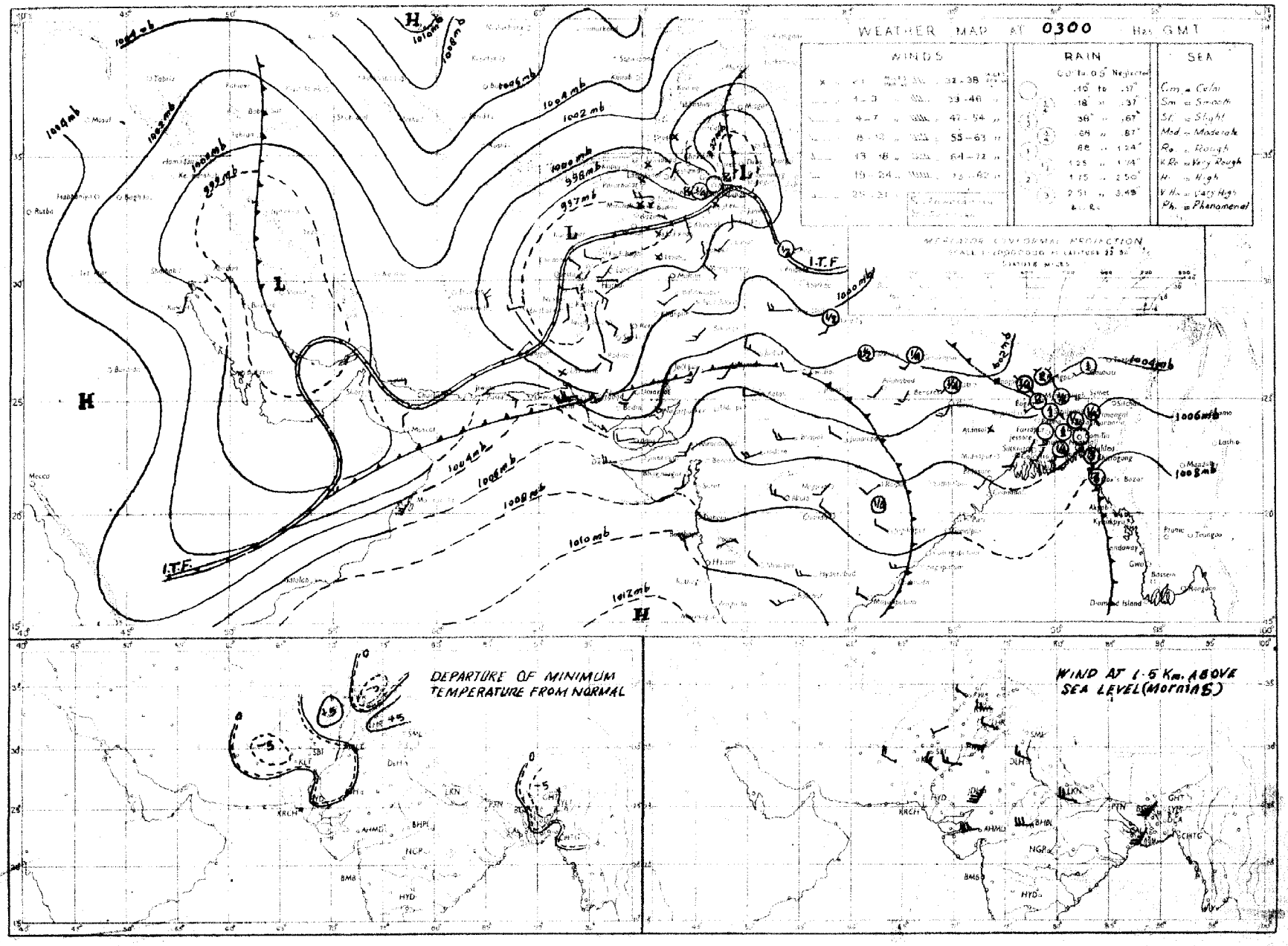
FRIDAY 24th. AUGUST 1951.



Rainfall amounts indicated in the above chart refer to past 9 hours

PAKISTAN DAILY WEATHER MAP

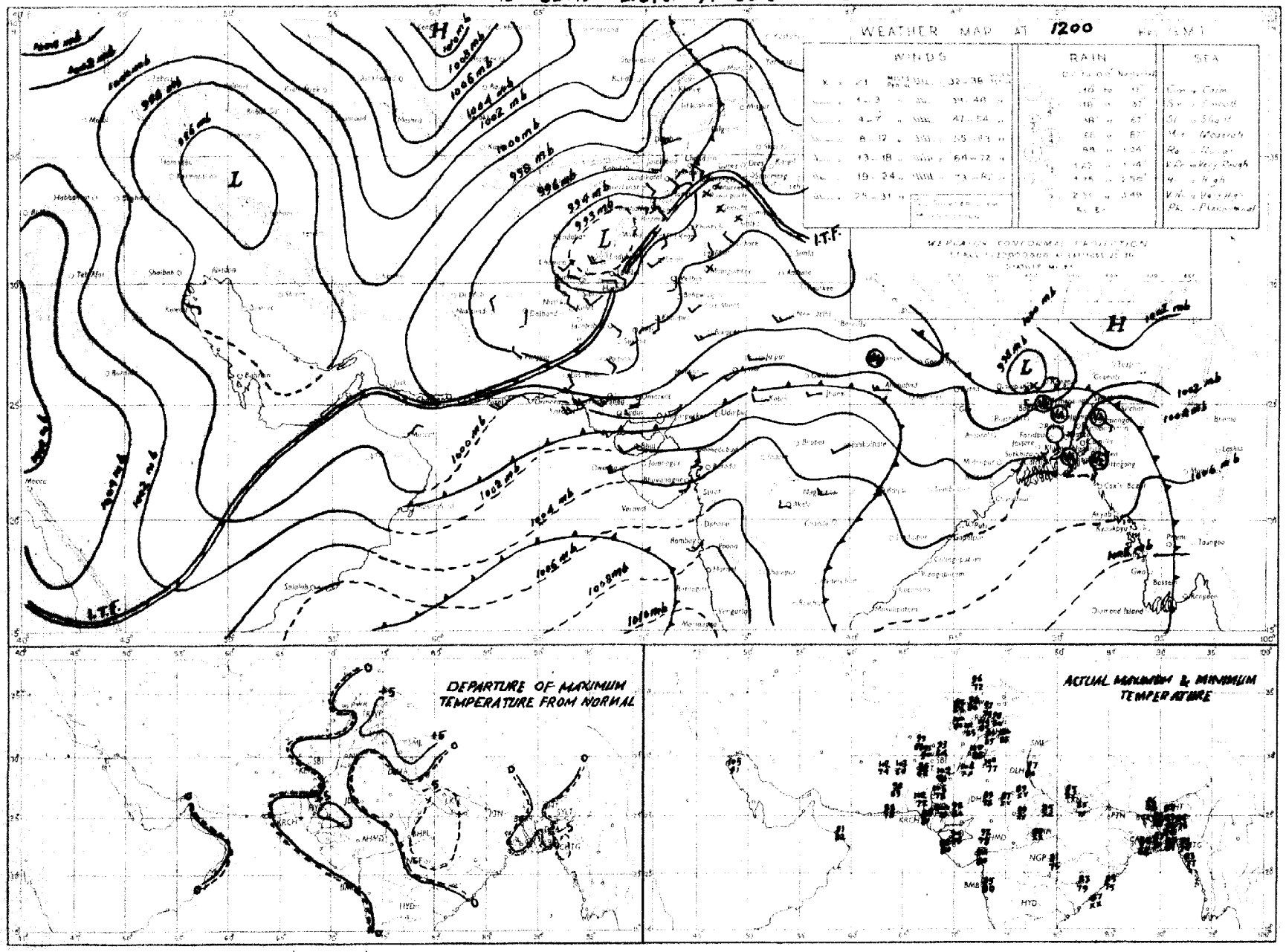
FRIDAY 24th: AUGUST 1951



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

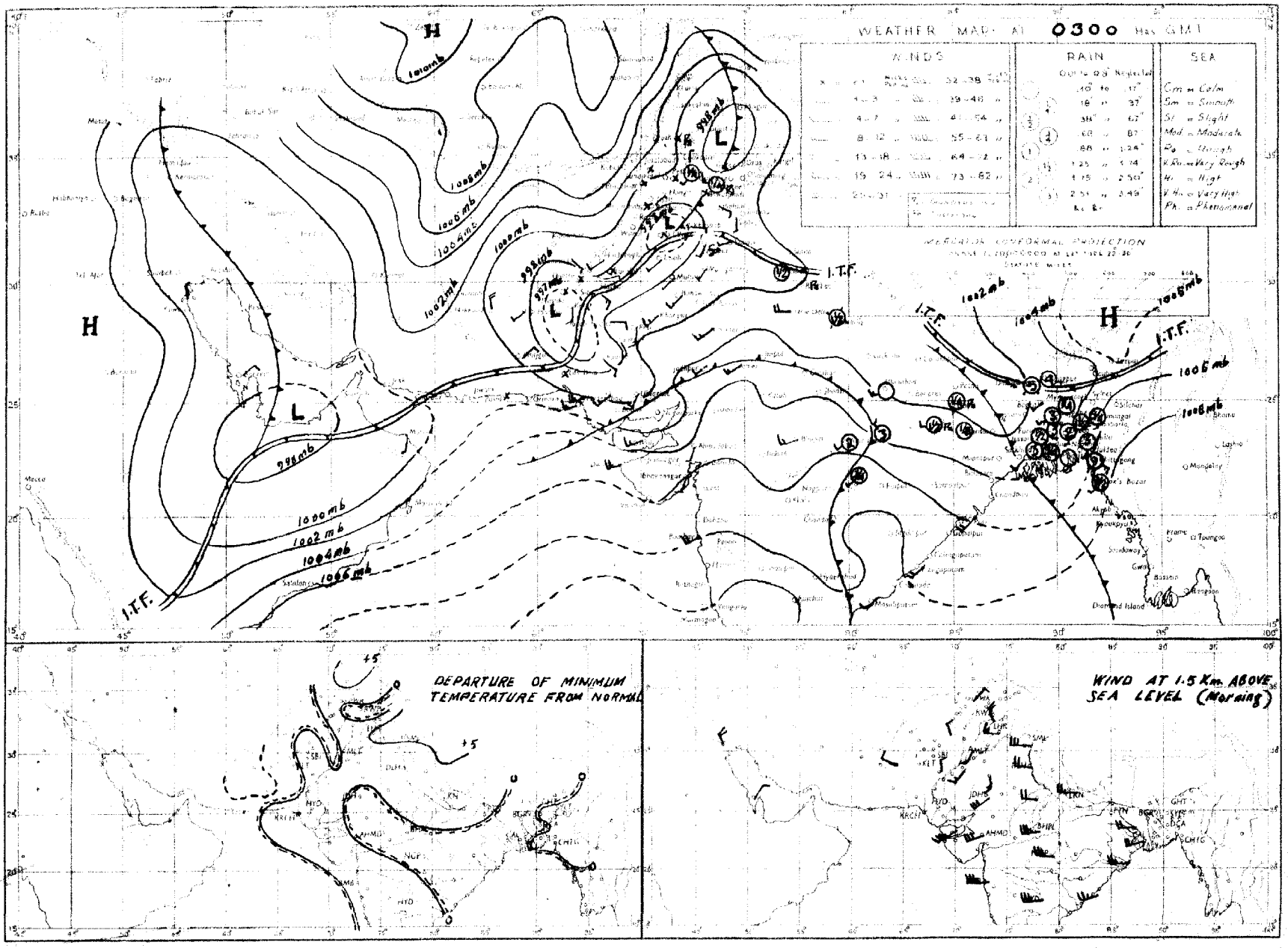
THURSDAY 23rd. AUGUST 1951.



Rainfall amounts indicated in the above chart refer to past 9 hours

PAKISTAN DAILY WEATHER MAP

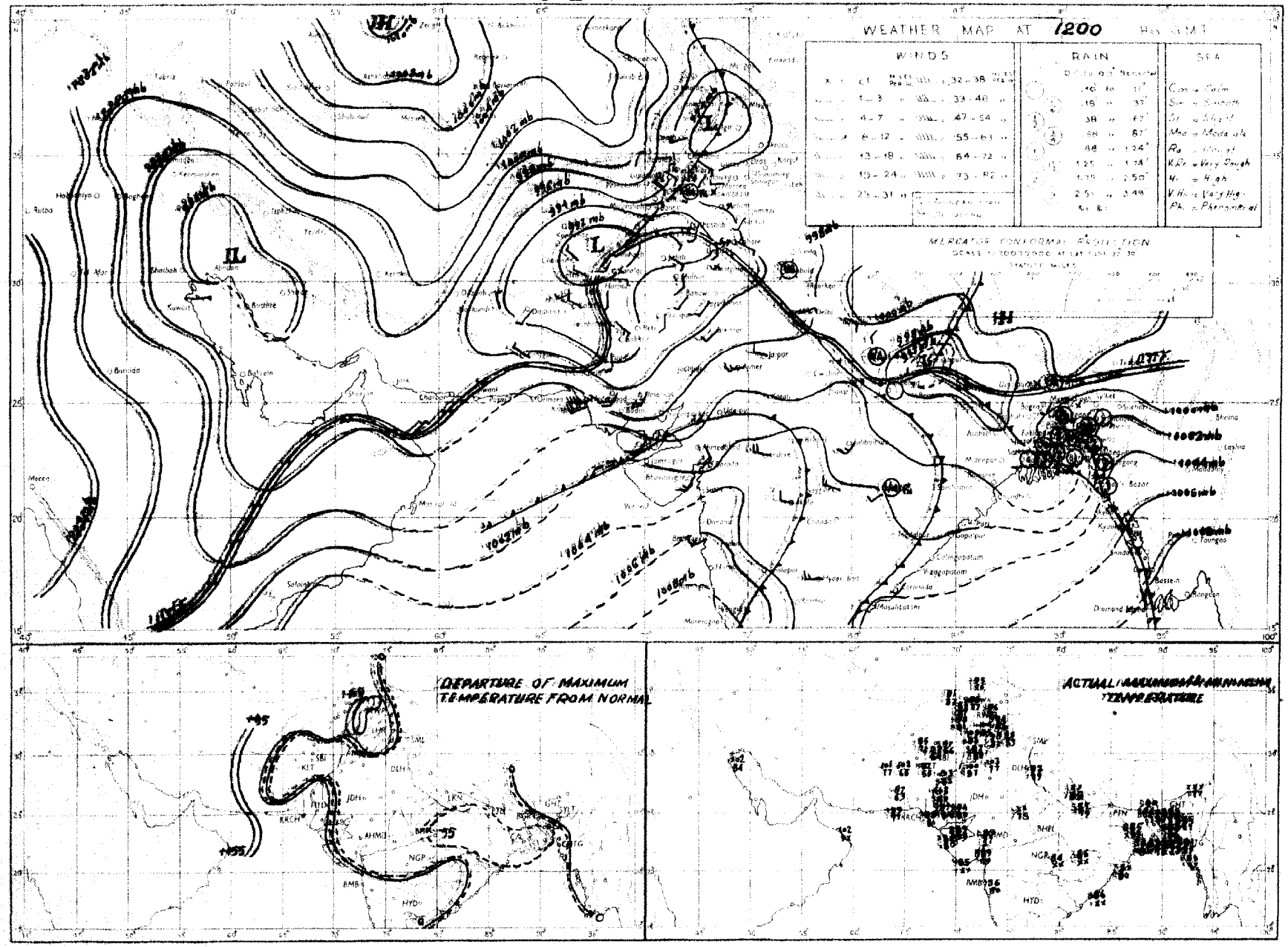
THURSDAY 23rd AUGUST 1951



Rainfall amounts indicated in the above chart refer to past 24 hours

PAKISTAN DAILY WEATHER MAP

WEDNESDAY 22nd AUGUST 1951



Rainfall amounts indicated in the above chart refer to past 9 hours

Regd. No S-1451.

WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G. M. T. on Wednesday, the 5th September 1951.

—o:O:o—

SUMMARY OF WEATHER.

A well marked trough of low which appeared in the north Bay of Bengal on the last day of the previous week, became more marked on the 30th and moved inland into Orissa on the next day.

Another trough of low which appeared in the west central and adjoining north Bay of Bengal on the 2nd, persisted and became well marked off Orissa and Circars coast on the last day of the week.

Monsoon remained active in East Pakistan practically throughout the week.

Low pressure waves moving eastwards accross the extreme north of West Pakistan caused light spell of wet weather and thunderstorms in the north Punjab on the 31st and in the North-West Frontier Province on the 31st, 3rd and 5th.

Some of the noteworthy amounts of rainfall recorded during the week were: Comilla 2", Srimangal 1½" and Jessore ¾" on the 30th; Murree 2", Srimangal 1½" and Khulna ½" on the 31st; Narayanganj 1", Barisal, Dinajpur and Comilla ¼" on the 1st; Chittagong 2", Faridpur ¾" and Satkhira, Srimangal and Comilla ¼" each on the 2nd; Brahmanbaria and Comilla 3" each, Chittagong 1½" and Narayanganj 1" on the 3rd; Srimangal and Comilla ¾" each on the 4th; Barisal 2", Cox's Bazar and Brahmanbaria 1½" each, Srimangal ¾", Chittagong and Faridpur ½" each, and Comilla, Khulna, Satkhira, and Jessore ¼" each on the 5th.

Day temperatures were appreciably to markedly above normal in the Punjab during the week and in East Pakistan on the 4th.

2. EAST PAKISTAN: Rainfall was nearly general on five days in the Eastern sub-division, on four days in the Deltaic sub-division, on one day in the Northern sub-division; it ocourred locally on two days in the Eastern sub-division. A few falls were also recorded on three days in the Deltaic sub-division on two days in the Northern sub-division.

KASHMIR: Data not available.

PUNJAB: A few falls occurred over the hills of the North Punjab on one day.

NORTH-WEST FRONTIER PROVINCE: A few falls were recorded over the hills on three days.

BALUCHISTAN: Weather continued dry.

SIND: Weather continued dry.

JUNAGADH: Data not available.

3. The week's rainfall was normal in the Eastern sub-division, deficient in the Deltaic sub-division and scanty in the Northern sub-division of East Pakistan. No rain fell over the plains of West Pakistan.

Rainfall for the period from 1st June, 1951, to date was normal in the Eastern and Northern sub-divisions of East Pakistan, deficient in the Deltaic sub-division of East Pakistan, the north Punjab, the North-West Frontier Province and Baluchistan. It was scanty in the south Punjab and Sind.

4. The table overleaf summarises the rainfall statistics for the eleven sub-divisions of Pakistan both for the week and for the period from 1st June, 1951 to date.

KARACHI-11.
The 5th September, 1951.

MOHAMMAD SHABBAR,
for Director, Meteorological Service.

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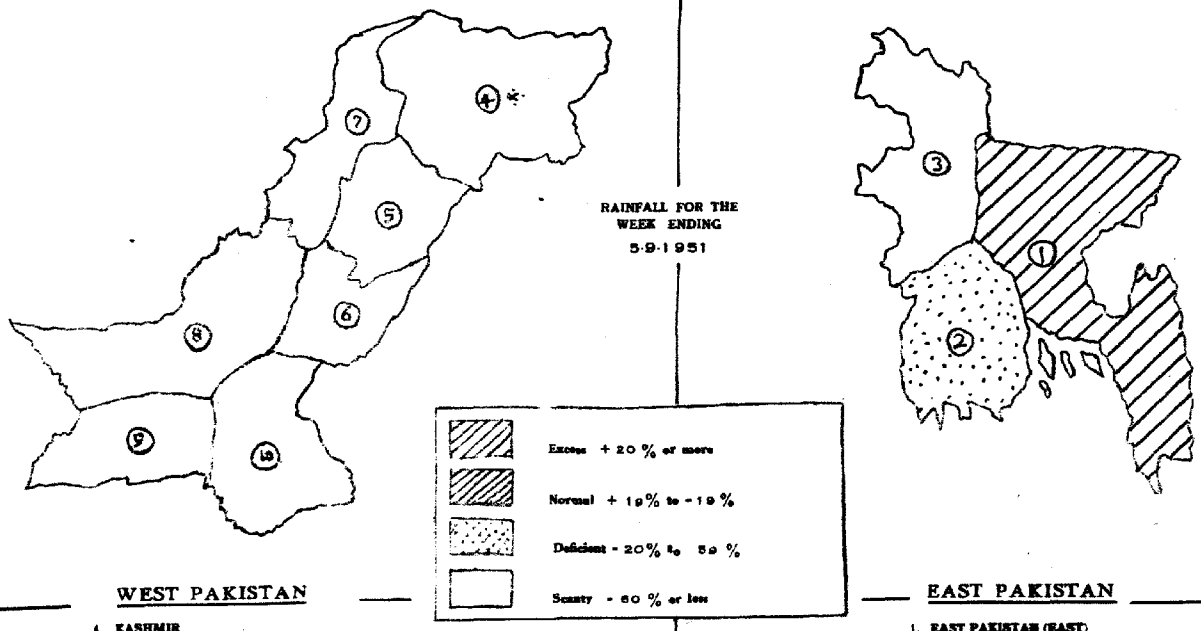
WEEKLY WEATHER REPORT

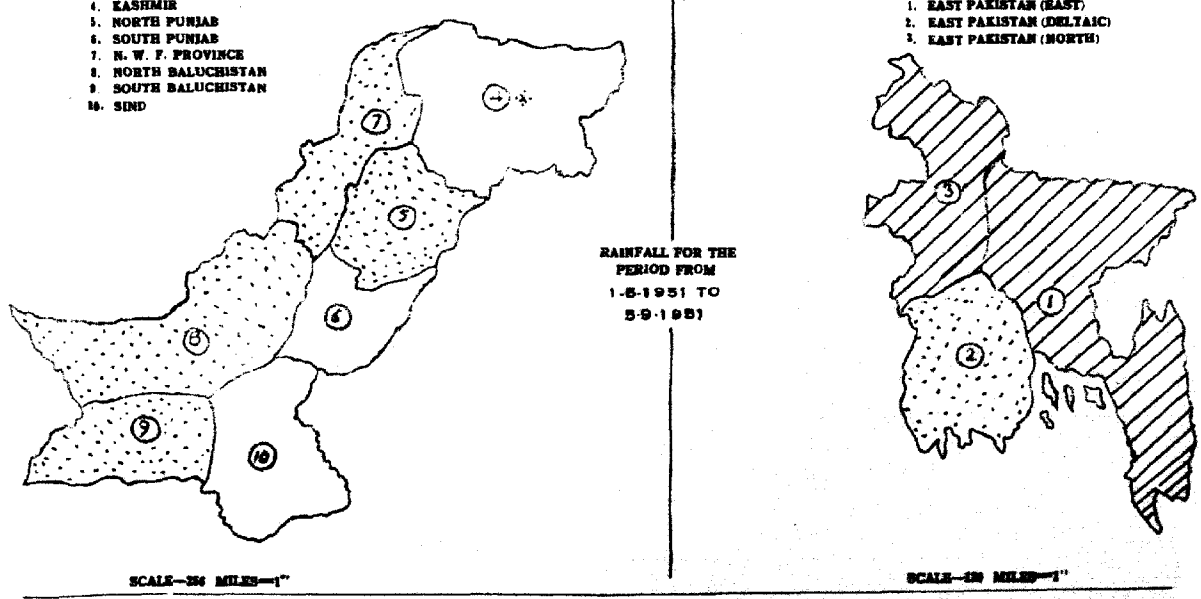
Division	Rainfall for week ending on 5th September, 1951.			Rainfall for period from 1-6-1951 to 5th September, 1951.			
	Actual †	Normal	Excess or defect	Actual †	Normal	* Excess or defect	
						Inches	Per cent
1	2	3	4	5	6	7	8
1. East Pakistan (East)	3.6	3.5	+ 0.1	61.3	57.4	+ 3.8	+ 7
2. East Pakistan (Deltaic)	1.7	2.5	− 0.9	33.1	41.3	− 8.2	− 20
3. East Pakistan (North)	0.1	3.5	− 3.3	43.3	43.5	− 0.1	0
4. Kashmir ††	....	....	....	....	....	....	....
5. North Punjab	0	1.0	− 1.0	9.0	14.4	− 5.4	− 38
6. South Punjab	0	0.1	− 0.1	1.9	4.9	− 3.0	− 62
7. N. W. F. P.	0	0.2	− 0.2	1.9	4.2	− 2.3	− 55
8. North Baluchistan	0	0.1	− 0.1	1.3	2.6	− 1.3	− 48
9. South Baluchistan	0	0	0	0.6	0.9	− 0.3	− 36
10. Sind	0	0.2	− 0.2	1.9	4.9	− 3.0	− 61
11. Junagadh ††	....	....	....	....	....	....	....

* In the calculation of excesses and defects, and their percentages, rainfall figures are taken correct to 0·01".

† Rainfall of stations having no normals is not included.

†† Data not available

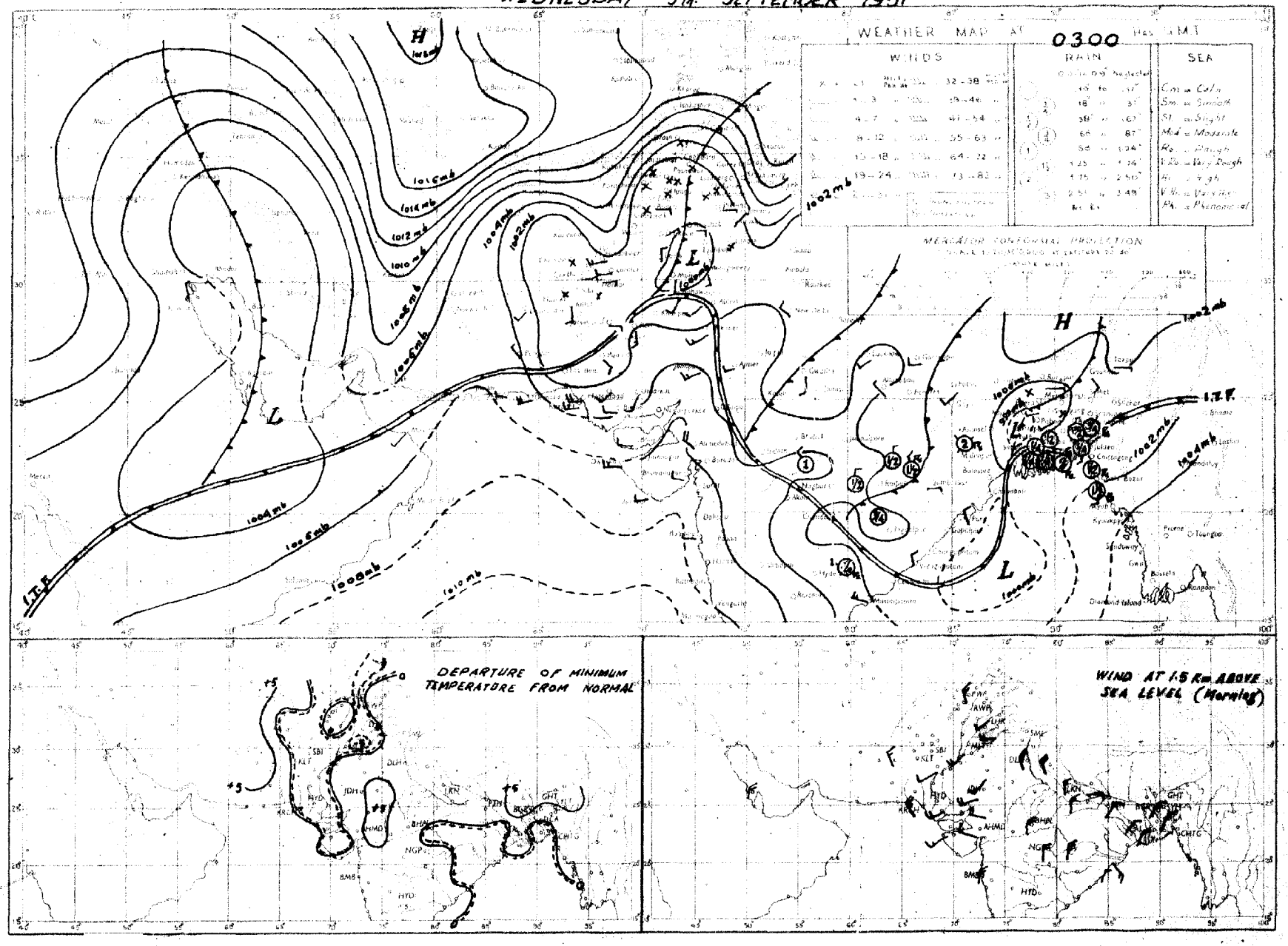




* Data not available.

PAKISTAN DAILY WEATHER MAP

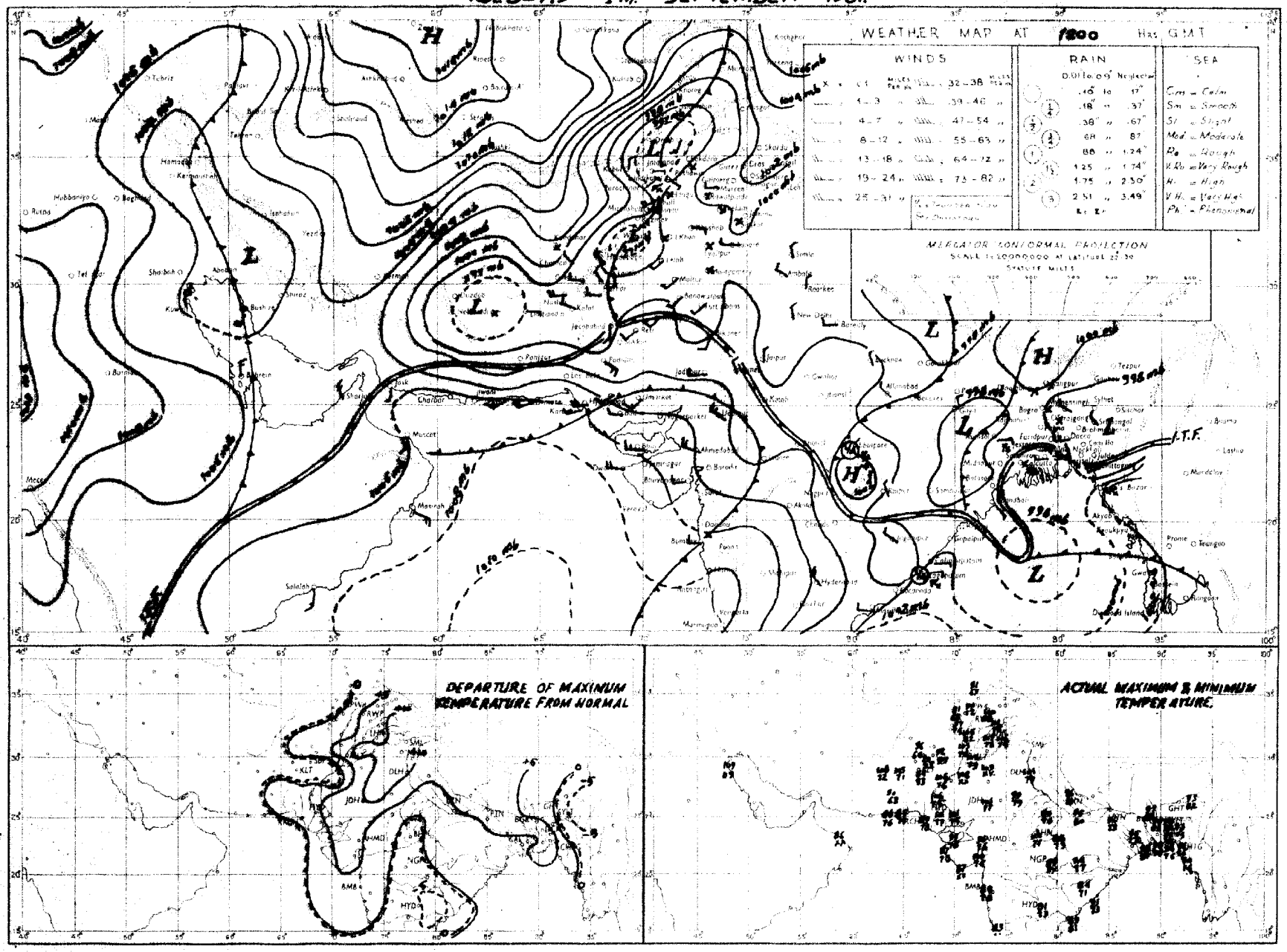
WEDNESDAY 5th SEPTEMBER 1951



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

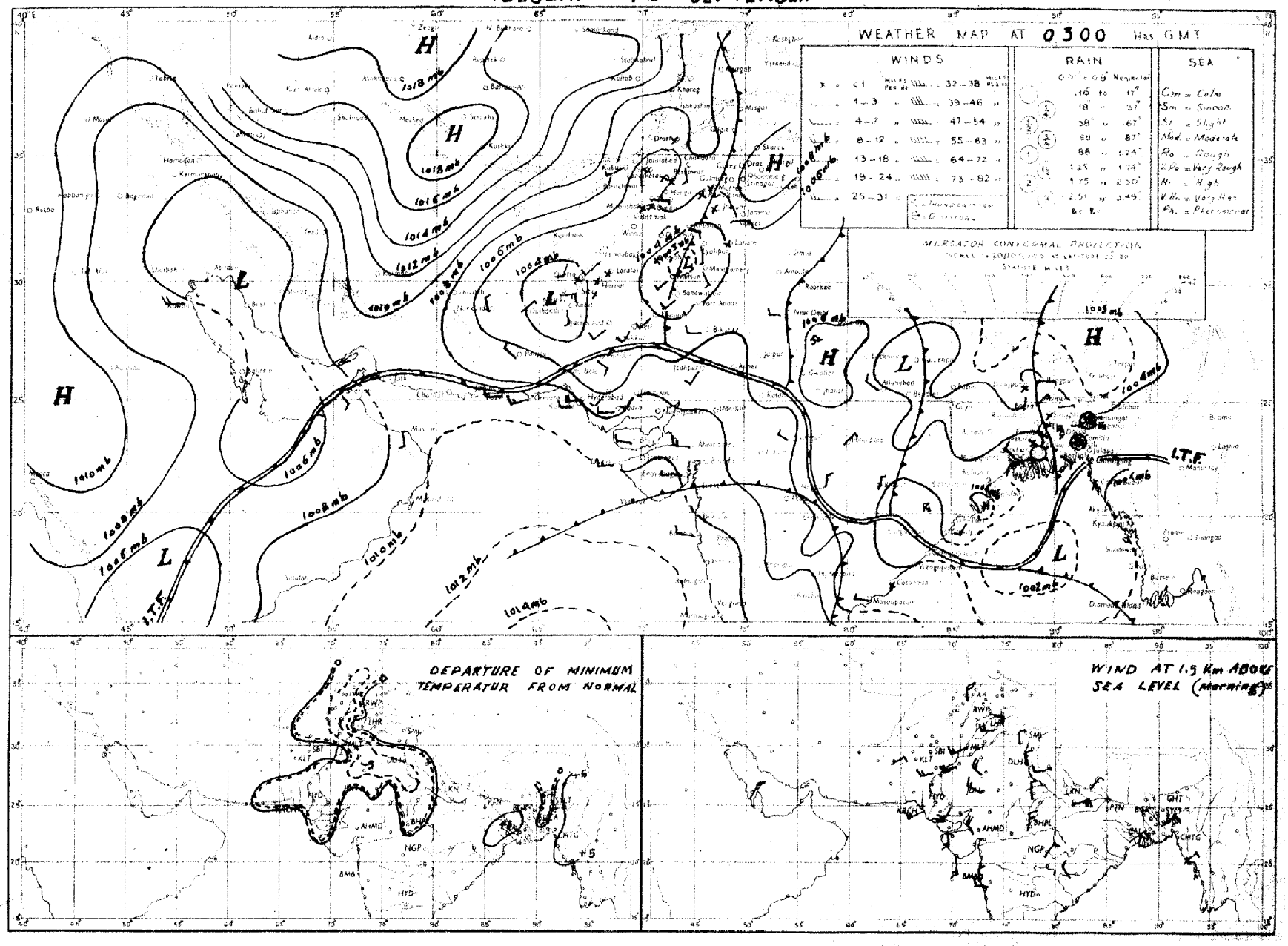
TUESDAY 4th. SEPTEMBER 1951.



Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER MAP

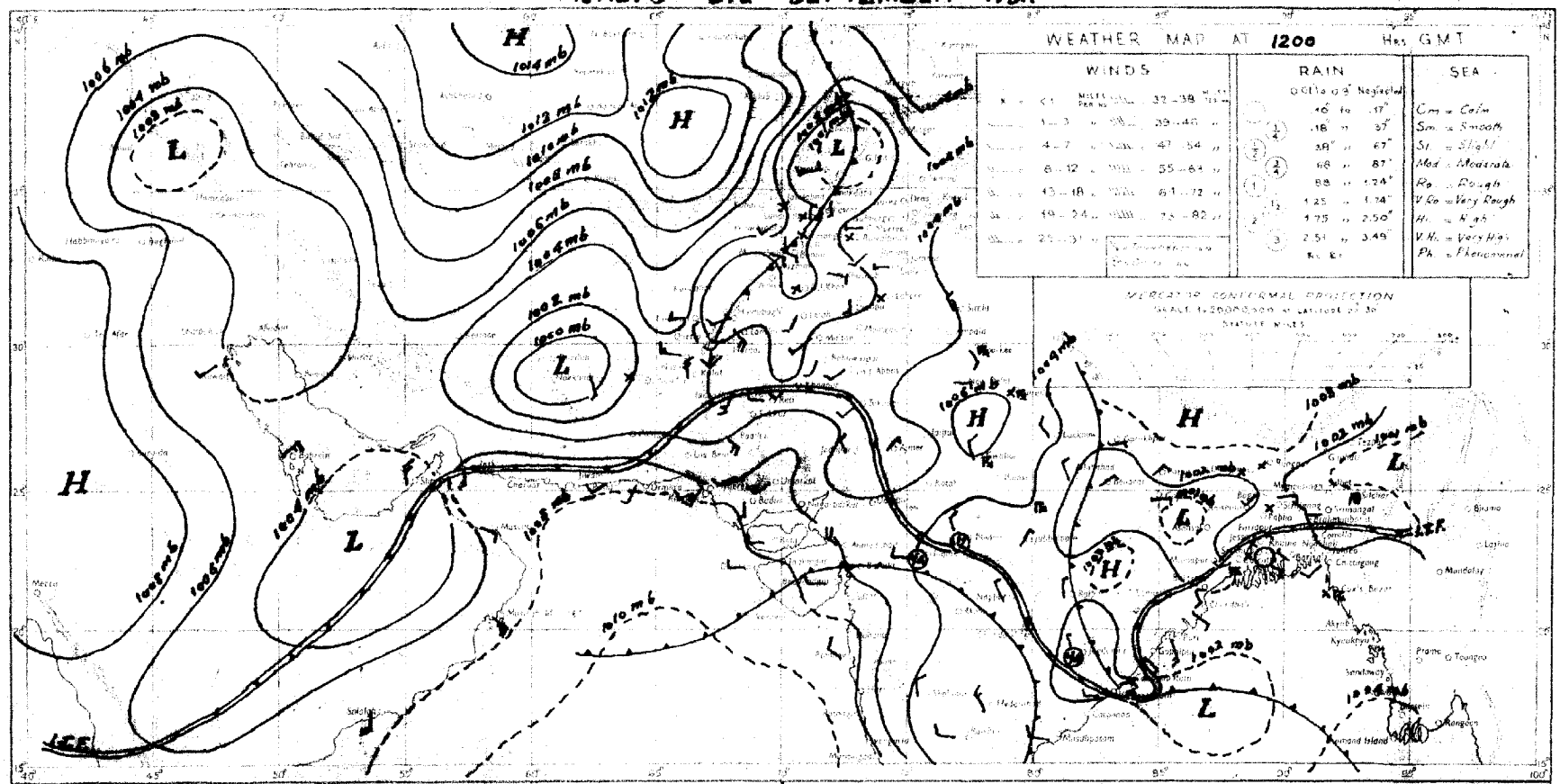
TUESDAY 4th SEPTEMBER

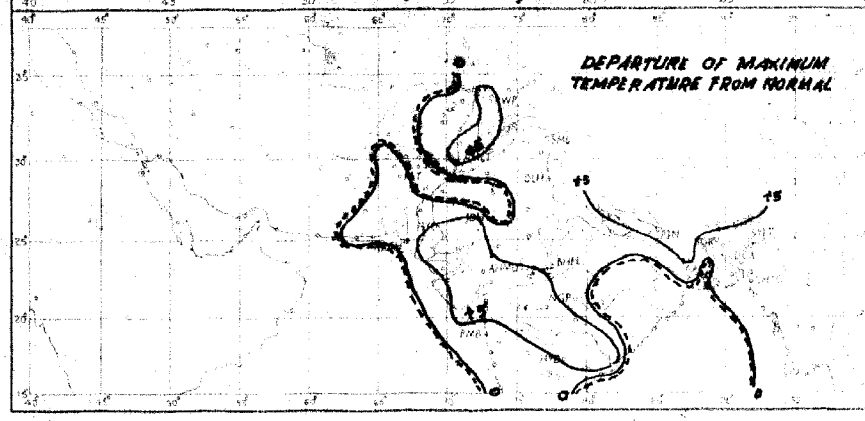


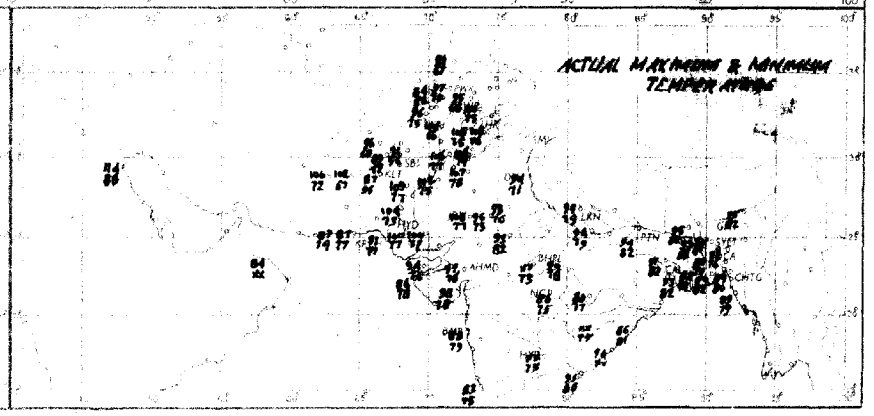
Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

MONDAY 3rd SEPTEMBER 1951.



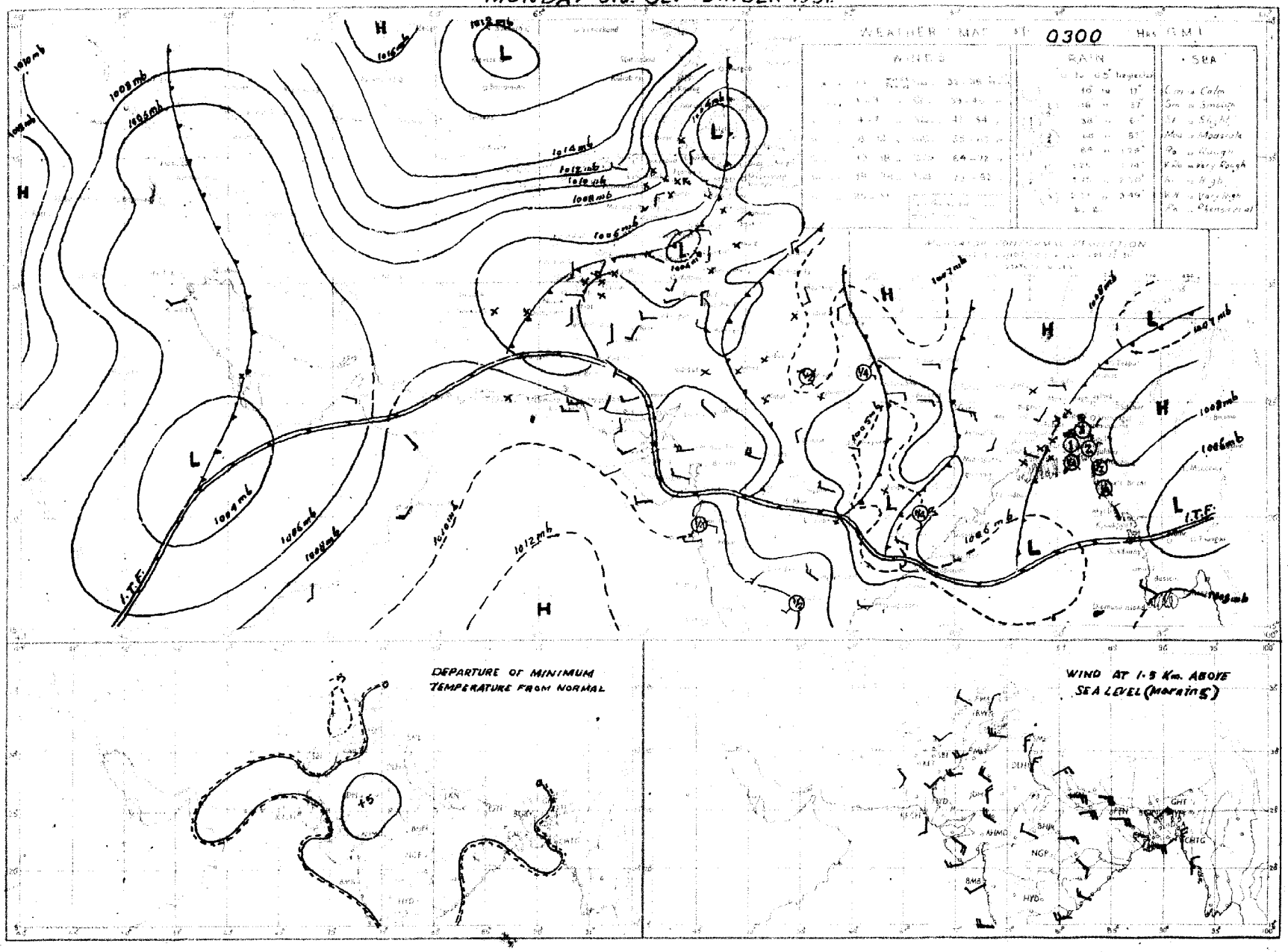




Rainfall amounts indicated in the above chart refer to past 9 hours

PAKISTAN DAILY WEATHER MAP

MONDAY 3rd: SEPTEMBER 1951.

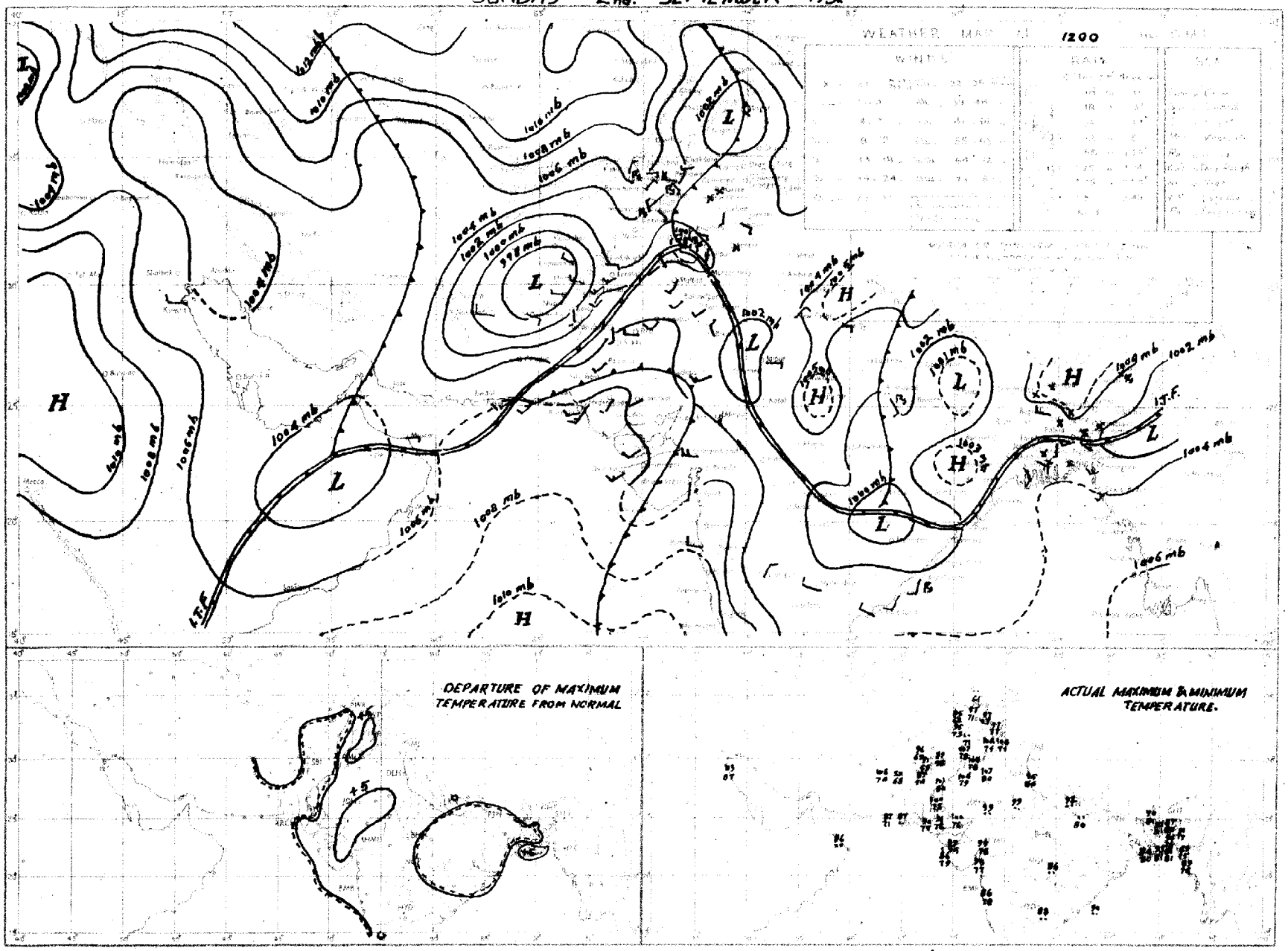


Rainfall amounts indicated in the above chart refer to past 24 hours

83340

PAKISTAN DAILY WEATHER MAP

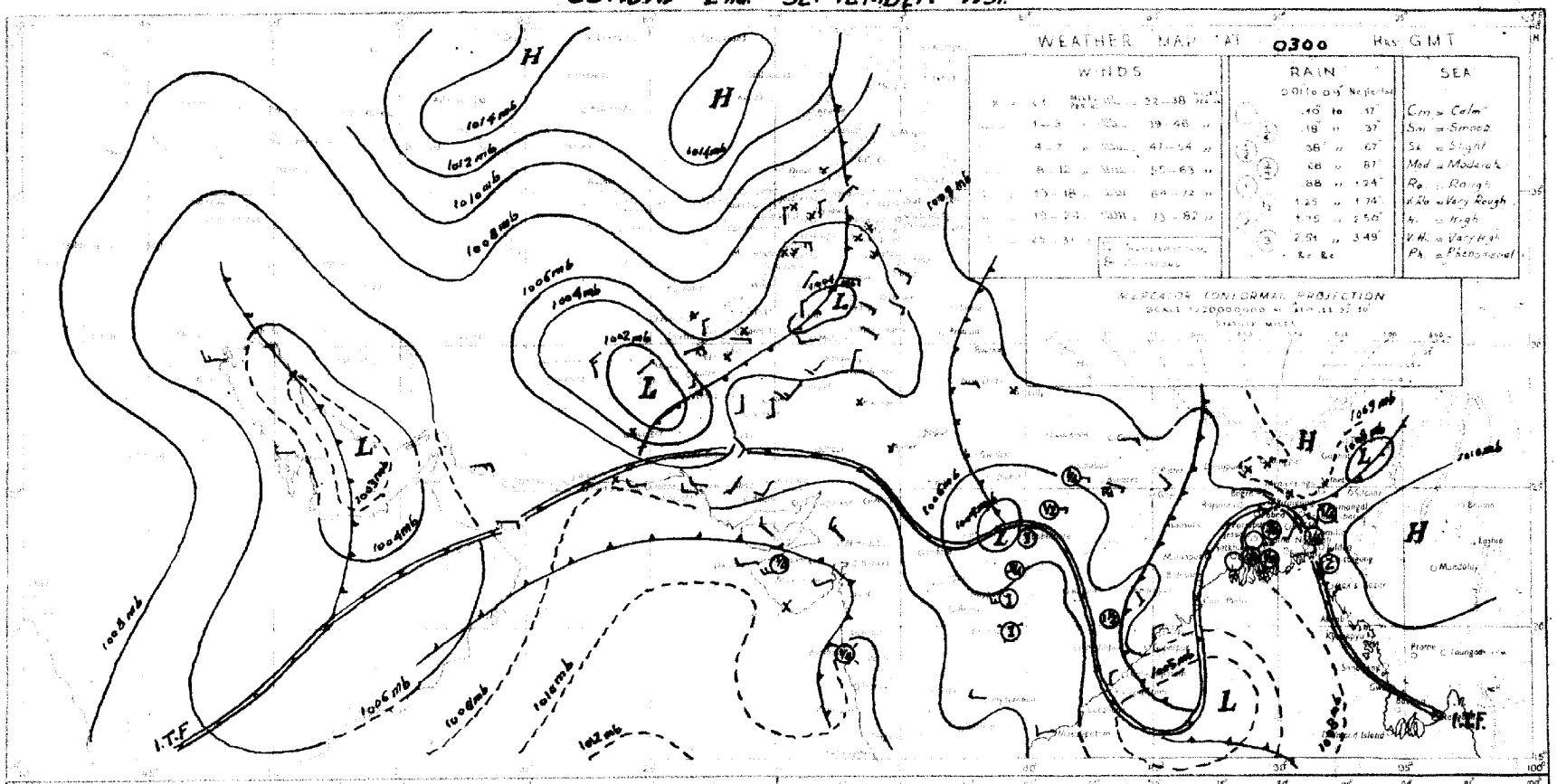
SUNDAY 2nd. SEPTEMBER 1951

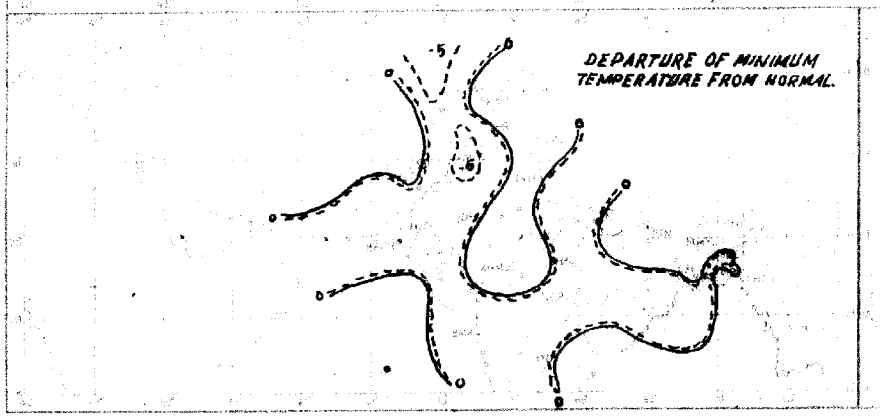


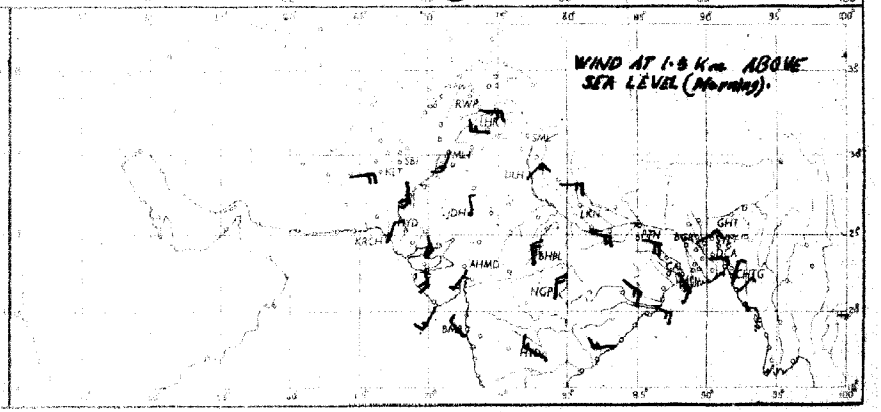
Rainfall amounts indicated in the above chart refer to past 9 hours

PAKISTAN DAILY WEATHER MAP

SUNDAY 2nd. SEPTEMBER 1951.

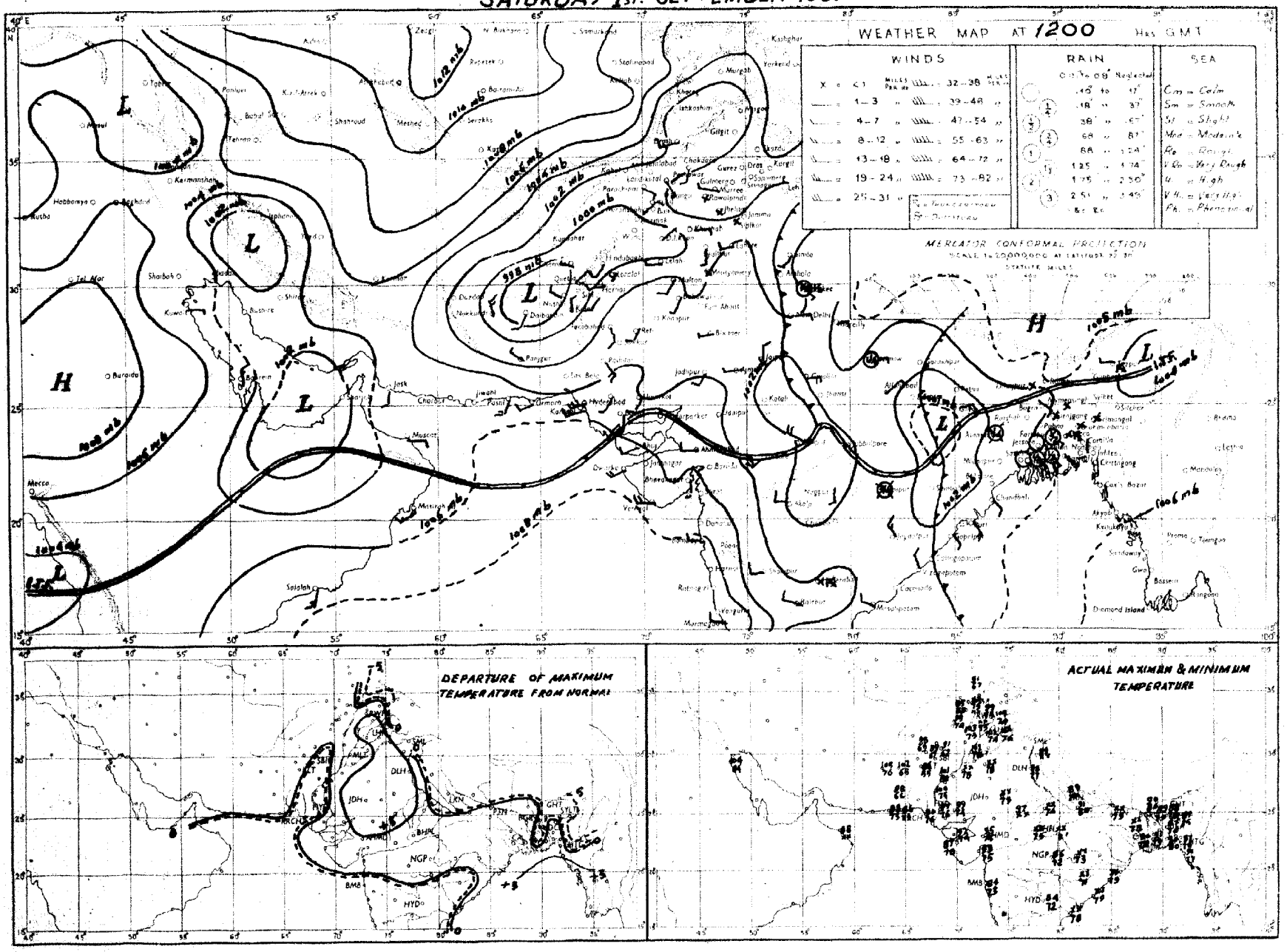






PAKISTAN DAILY WEATHER MAP

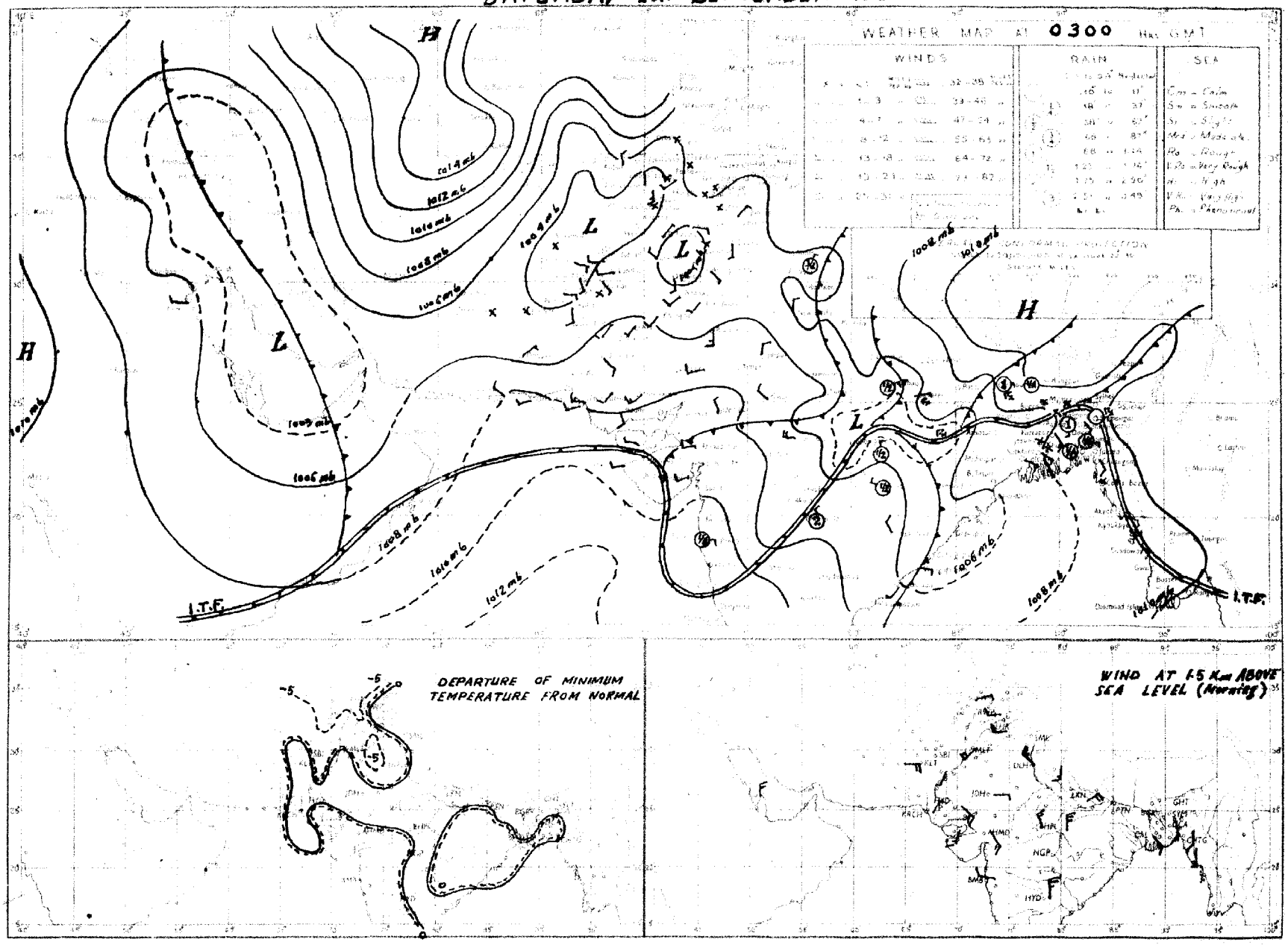
SATURDAY 1st: SEPTEMBER 1951



Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER MAP

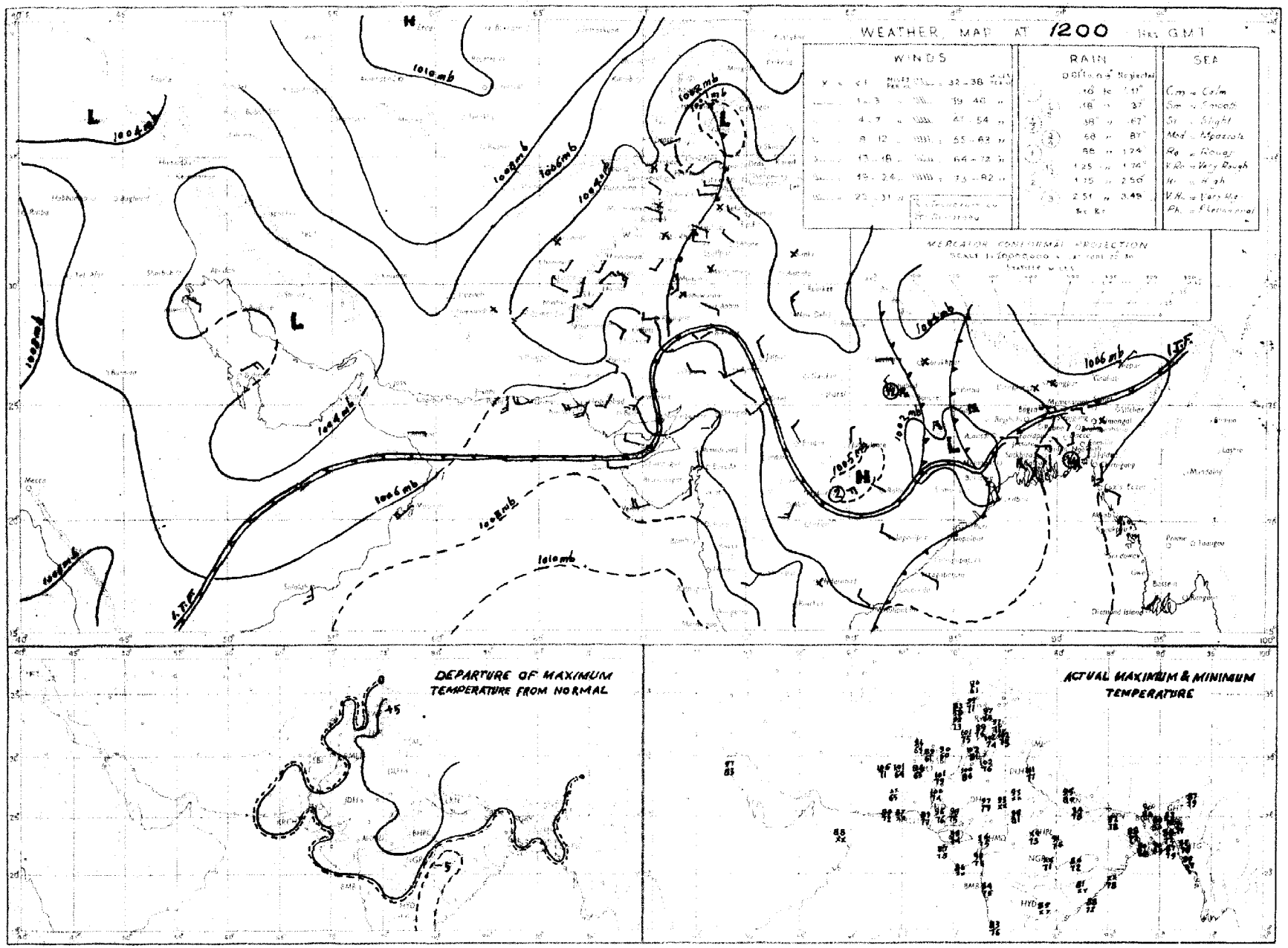
SATURDAY 1st. SEPTEMBER 1951



Rainfall amounts indicated in the above chart refer to past 24 hours

PAKISTAN DAILY WEATHER MAP

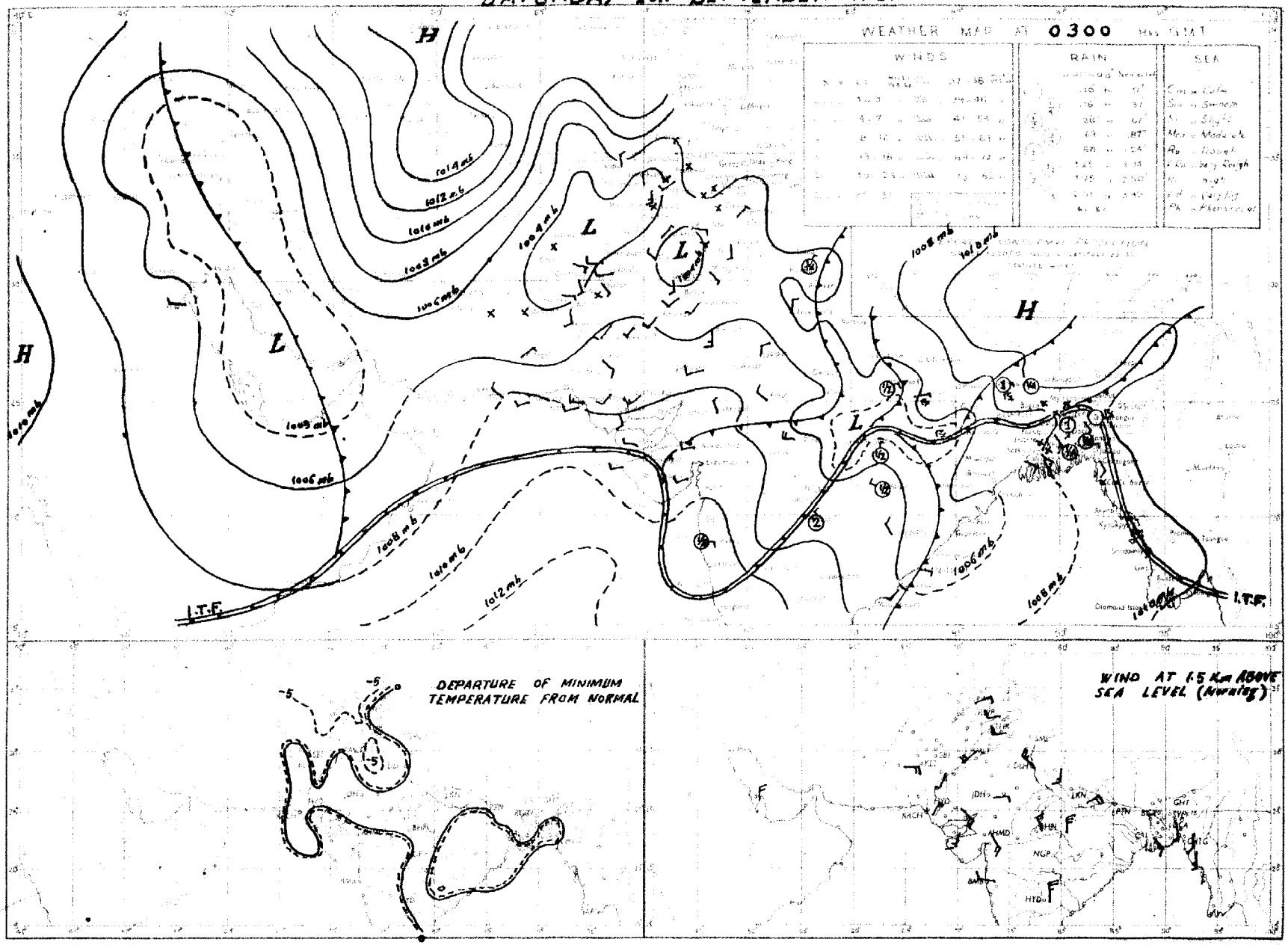
FRIDAY 31st: AUGUST 1951



Rainfall amounts indicated in the above chart refer to past 9 hours

PAKISTAN DAILY WEATHER MAP

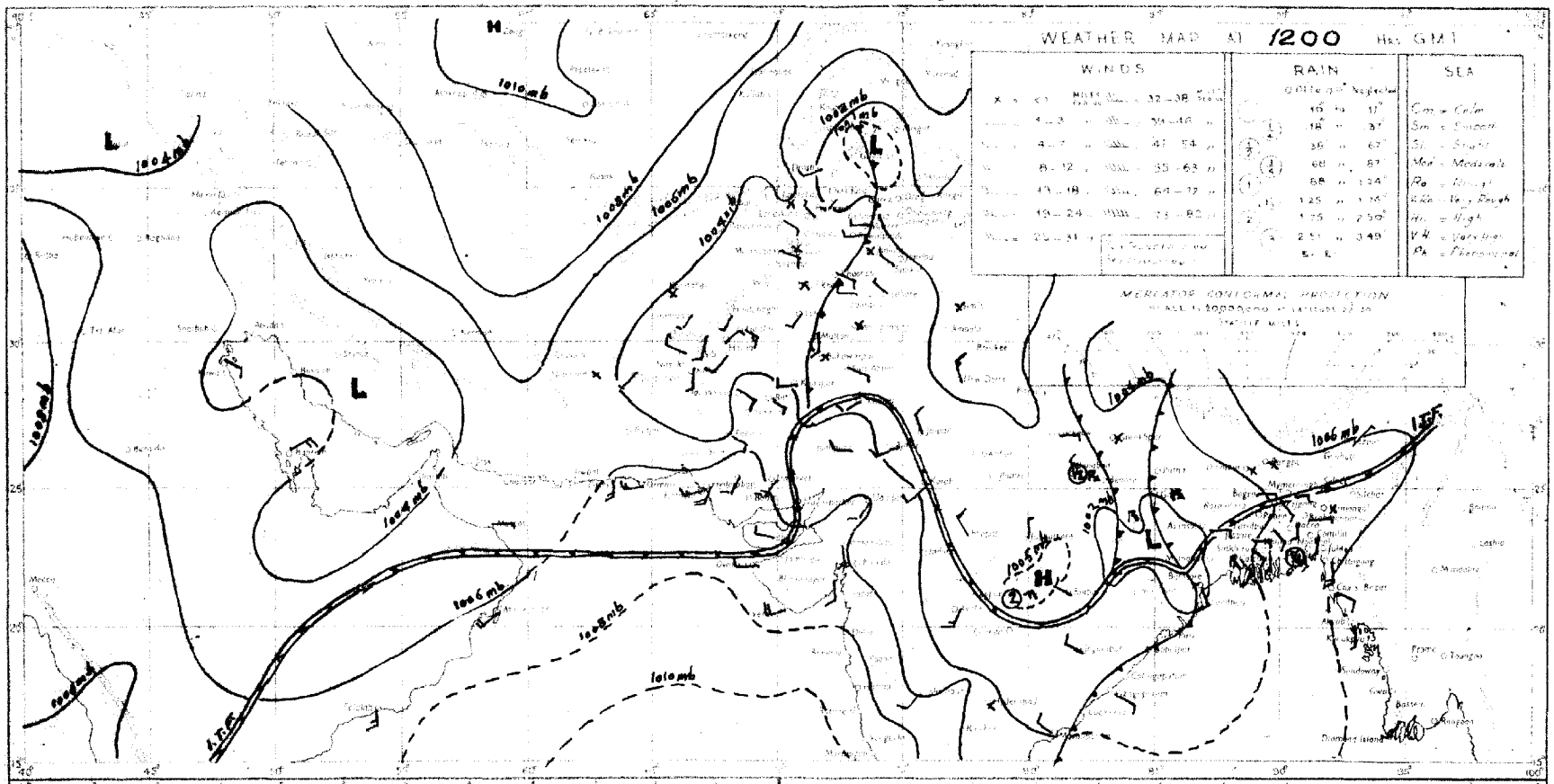
SATURDAY 1st. SEPTEMBER 1951

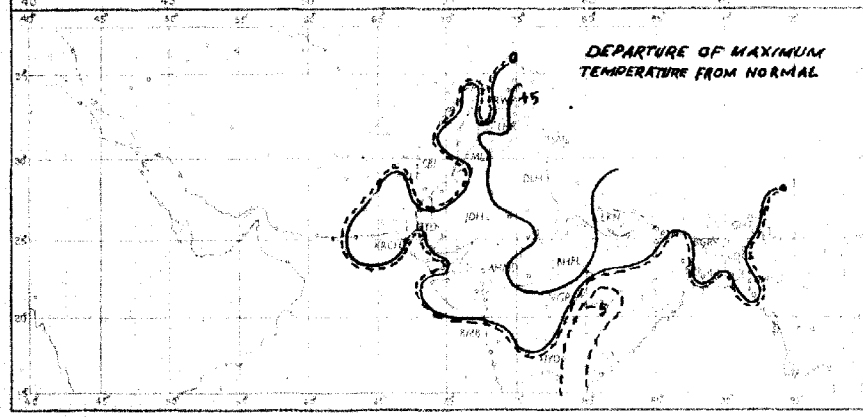


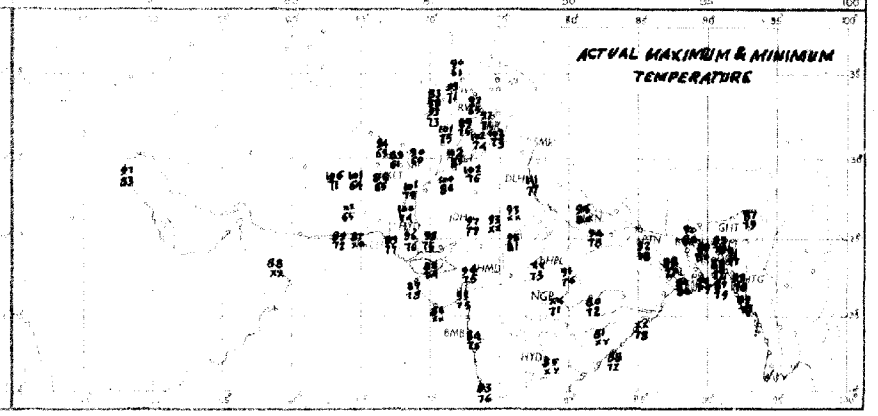
Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

FRIDAY 31st: AUGUST 1951



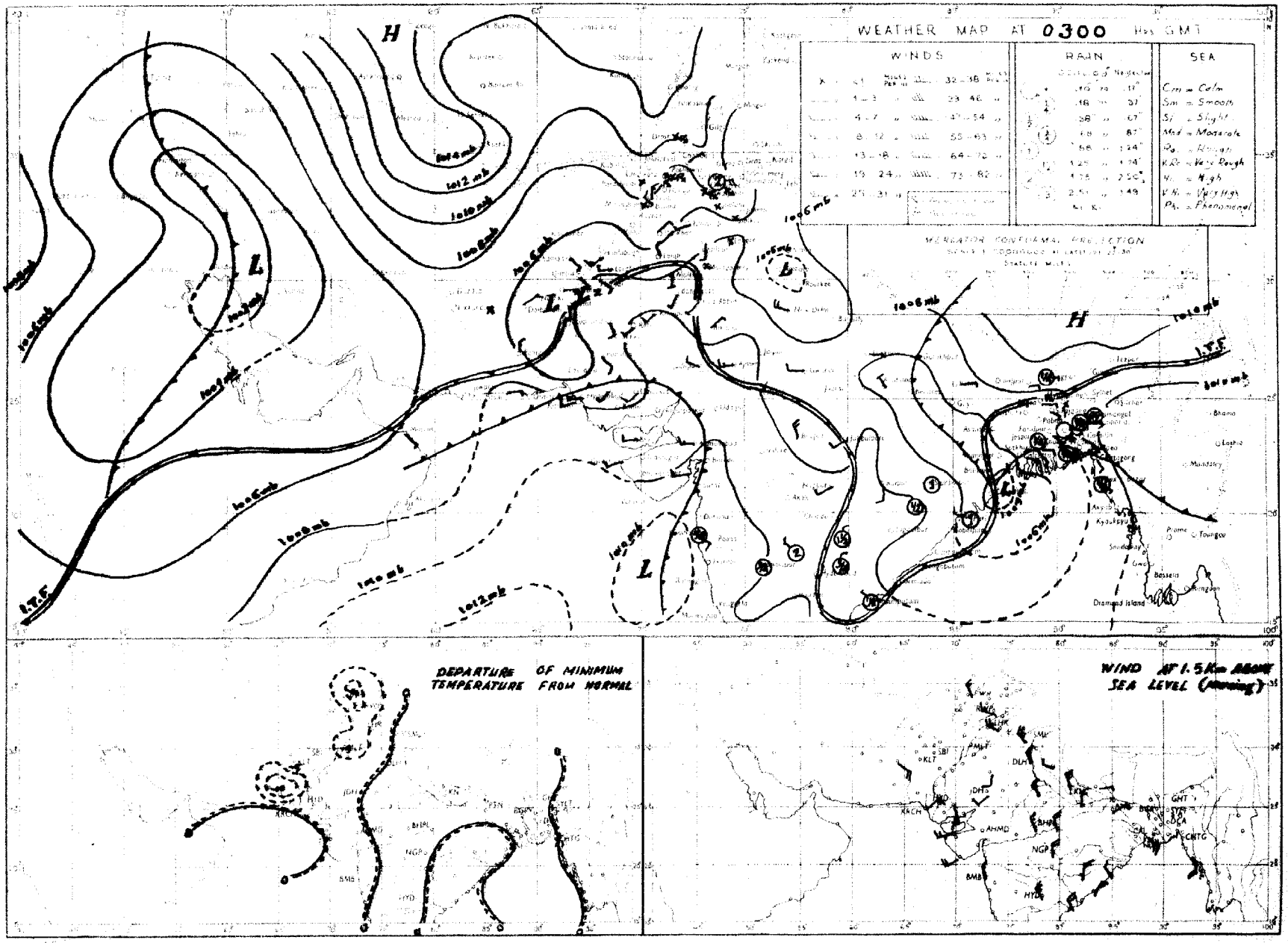




Rainfall amounts indicated in the above map refer to past 9 hours

PAKISTAN DAILY WEATHER MAP

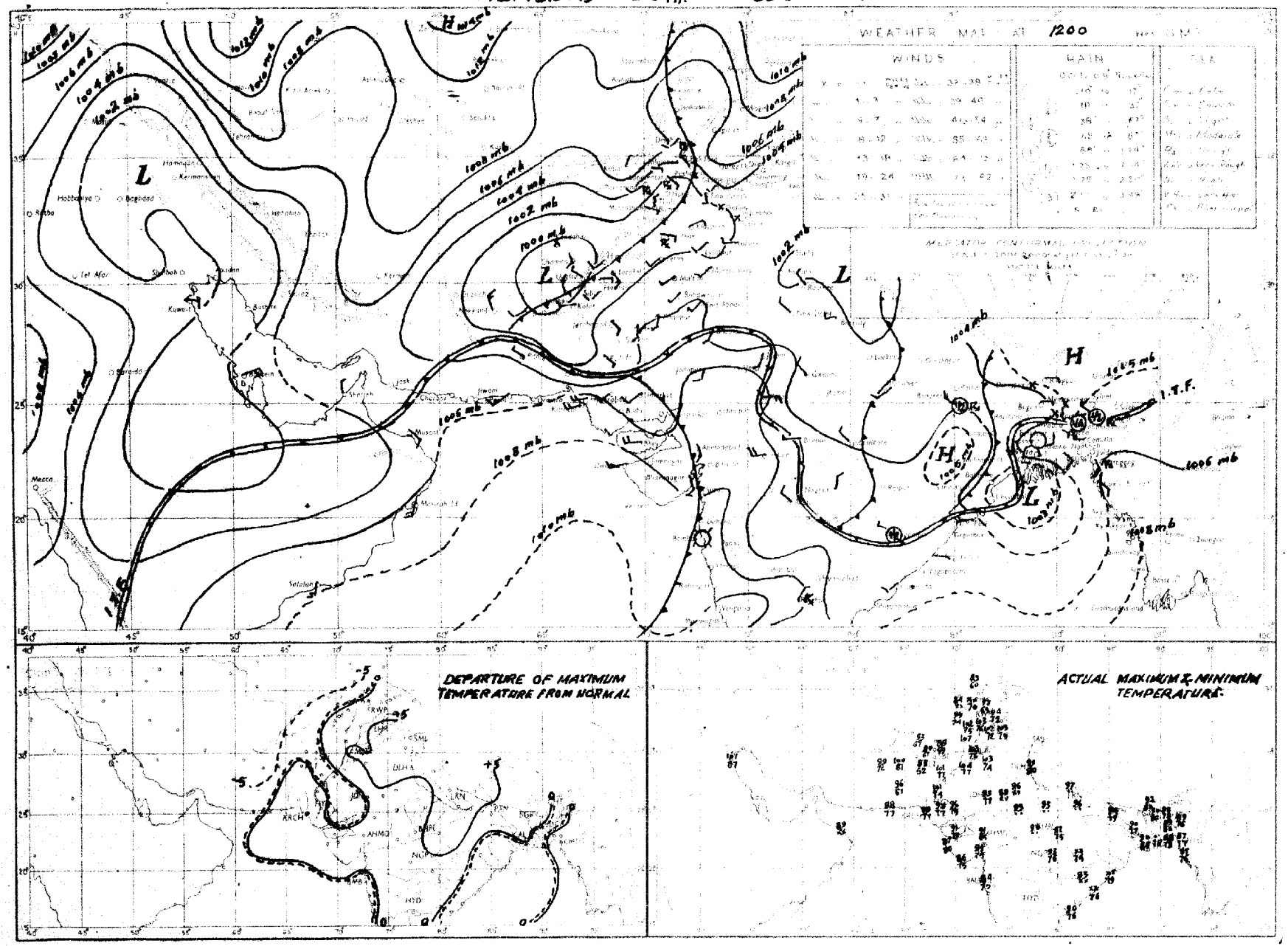
FRIDAY 31st AUGUST 1950



Rainfall amounts indicated in the above chart refer to past 24 *hours.*

PAKISTAN DAILY WEATHER MAP

THURSDAY 30th. AUGUST 1951



Rainfall amounts indicated in the above chart refer to past 9 hours

Regd. No. S-1451.

WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G. M. T. on Wednesday, the 12th September. 1951.

—o:O:o—

SUMMARY OF WEATHER.

Previous week's well marked trough of low off Orissa and Circars coasts moved away west-northwestwards into Orissa by the 7th evening.

A low pressure wave which moved westwards across central Burma and East Pakistan on the 9th, intensified into a depression and lay about 40 miles south of Asonsol on the morning of the 10th. The depression moved away westnorthwestwards into the United Provinces thereafter.

Monsoon remained active in East Pakistan practically throughout the week.

Low pressure waves which moved across the extreme north of West Pakistan caused light spell of wet weather and thunderstorm activity in the north Punjab and the North-West Frontier Province during the week.

Some of the noteworthy amounts of rainfall recorded during the week were :- Narayanganj and Mymensingh 1½" each, Cox's Bazar and Faridpur 1" each, Rangpur and Barisal ¾" each and Drosh ¼" on the 6th; Brahmanbaria 1½", Cox's Bazar and Faridpur 1" each, Comilla, Khulna, Barisal and Dinajpur ½" each on the 7th; Faridpur ½", Cherat, Khulna, Satkhira, Rawalpindi and Murree ¼" each on the 8th; Cox's Bazar 8" and Faridpur ½" on the 9th; Cox's Bazar and Jessore 3' each, Satkhira, Khulna and Faridpur 2" each, Chittagong, Sirajganj and Narayanganj 1½" each and Rangpur 1" on the 10th; Narayanganj 1", Sirajganj and Barisal ¾" each and Murree ½" on the 11th; Narayanganj 2", Mymensingh, Barisal and Khulna 1½" each, Rangpur 1" and Sirajganj ¾" on the 12th.

Day temperatures were appreciably to markedly above normal in the Punjab on the first five days and in East Pakistan on the 8th. They were appreciably to markedly below normal in Baluchistan on the 10th and in East Pakistan on the 11th.

2. EAST PAKISTAN: Rainfall was nearly general on five days in the Deltaic and Northern sub-divisions and on two days in the Eastern sub-division. It occurred locally on four days in the Eastern sub-division and on one day in the Deltaic sub-division. A few falls were also recorded in the Northern sub-division on the 8th and in the Eastern and Deltaic sub-divisions on the 9th.

KASHMIR: Data not available.

PUNJAB: A few falls were recorded on three days in the north Punjab.

NORTH-WEST FRONTIER PROVINCE: Rainfall occurred locally on one day. A few falls were also recorded on four days.

BALUCHISTAN: Weather continued dry.

SIND: Weather continued dry.

JUNAGADH: Data not available.

3. The week's rainfall was in large excess in the Deltaic sub-division, in excess in the Eastern sub-division and normal in the Northern sub-division of East Pakistan. It was scanty in the north Punjab and the North-West Frontier Province. No rain fell elsewhere.

Rainfall for the period from 1st June, 1951 to date was normal in East Pakistan; deficient in the north Punjab, the North-West Frontier Province and Baluchistan and scanty in the south Punjab and Sind.

4. The table overleaf summarises the rainfall statistics for the eleven sub-divisions of Pakistan both for the week and for the period from 1st June, 1951 to date.

KARACHI-11.
The 12th September, 1951.

MOHAMMAD SHABBAR,
for Director, Meteorological Service.

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WEATHER BUREAU

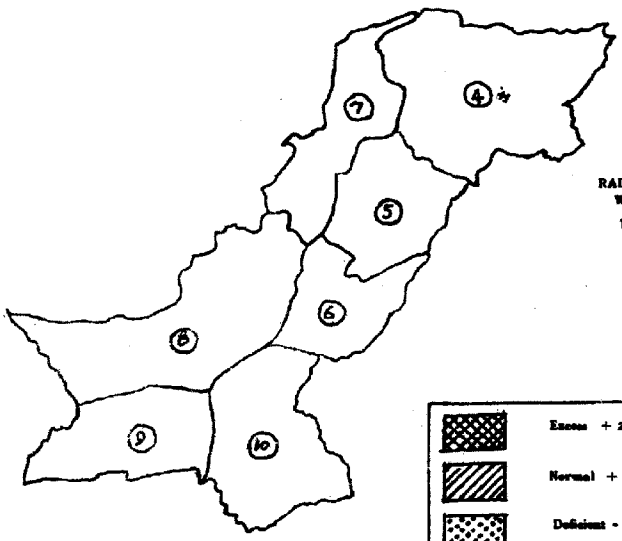
WEEKLY WEATHER REPORT

Division	Rainfall for week ending on 12th September, 1951.			Rainfall for period from 1-6-1951 to 12th September, 1951.			
	Actual †	Normal	Excess or defect	Actual †	Normal	* Excess or defect	
						Inches	Per cent
1	2	3	4	5	6	7	8
1. East Pakistan (East)	4.3	2.9	+ 1.4	65.5	60.4	+ 5.2	+ 9
2. East Pakistan (Deltaic)	4.2	2.0	+ 2.2	37.3	43.8	- 6.0	- 14
3. East Pakistan (North)	2.4	2.8	- 0.5	45.7	46.3	- 0.6	- 1
4. Kashmir ††	....	....	....	....	....	....	....
5. North Punjab	0.1	0.7	- 0.6	9.1	15.1	- 6.0	- 40
6. South Punjab	0	0.1	- 0.1	1.9	5.0	- 3.2	- 63
7. N. W. F. P.	0.1	0.2	- 0.2	2.0	4.4	- 2.5	- 55
8. North Baluchistan	0	0.1	- 0.1	1.3	2.7	- 1.3	- 50
9. South Baluchistan	0	0	0	0.6	0.9	- 0.3	- 37
10. Sind	0	0.2	- 0.2	1.9	5.2	- 3.3	- 63
11. Junagadh ††	....	....	....	....	....	....	....

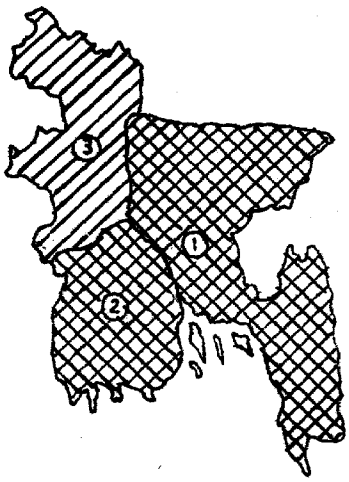
* In the calculation of excesses and defects, and their percentages, rainfall figures are taken correct to 0·01".

† Rainfall of stations having no normals is not included.

†† Data not available



RAINFALL FOR THE WEEK ENDING 12-9-1951



Excess + 20 % or more

Normal + 19% to - 19 %

Deficient - 20% to 59 %

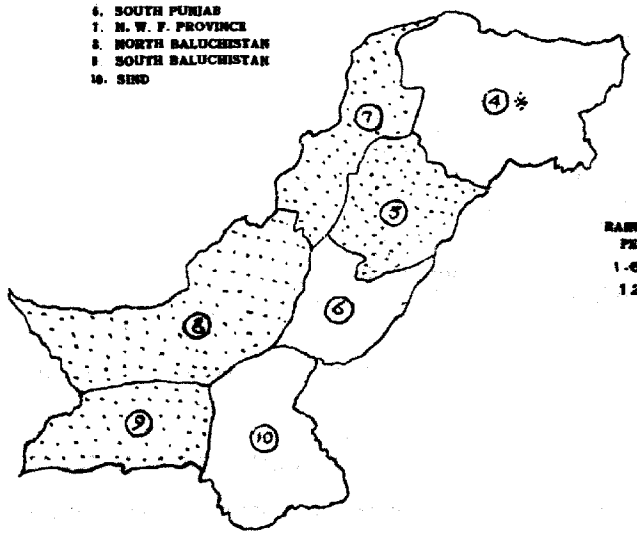
Scanty - 60 % or less

WEST PAKISTAN

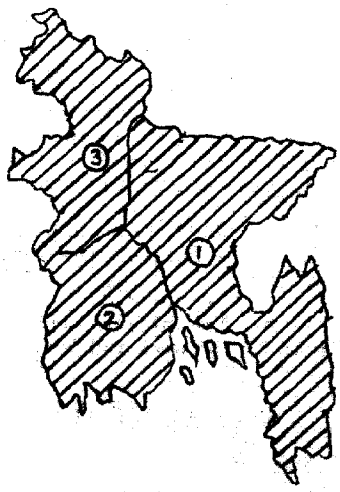
4. KASHMIR
5. NORTH PUNJAB
6. SOUTH PUNJAB
7. N. W. F. PROVINCE
8. NORTH BALUCHISTAN
9. SOUTH BALUCHISTAN
10. SIND

EAST PAKISTAN

1. EAST PAKISTAN (EAST)
2. EAST PAKISTAN (DELTAIC)
3. EAST PAKISTAN (NORTH)



RAINFALL FOR THE PERIOD FROM 1-6-1951 TO 12-9-1951



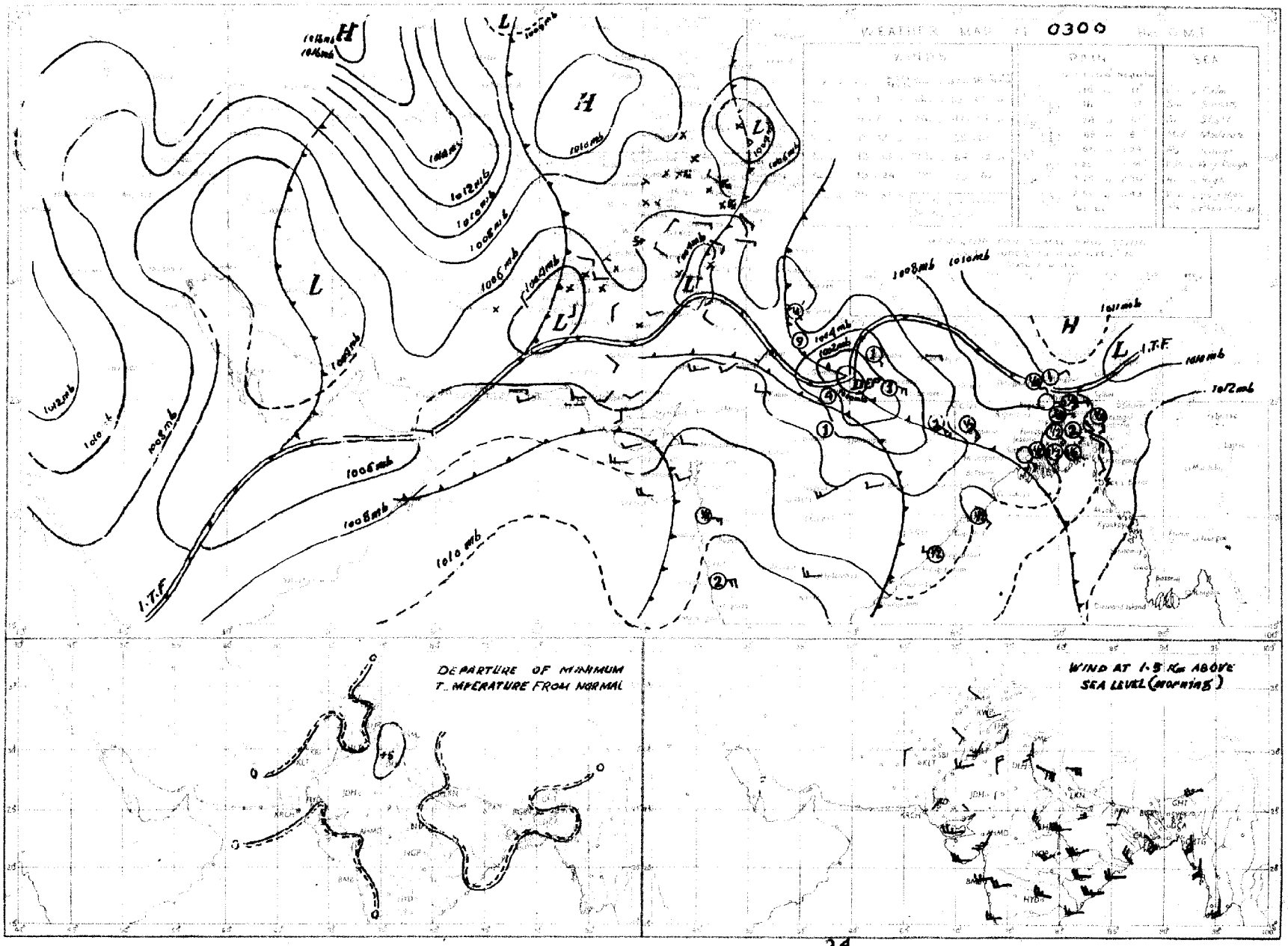
SCALE—[illegible] MILES=1"

SCALE—[illegible] MILES=1"

* Data not available.

PAKISTAN DAILY WEATHER MAP

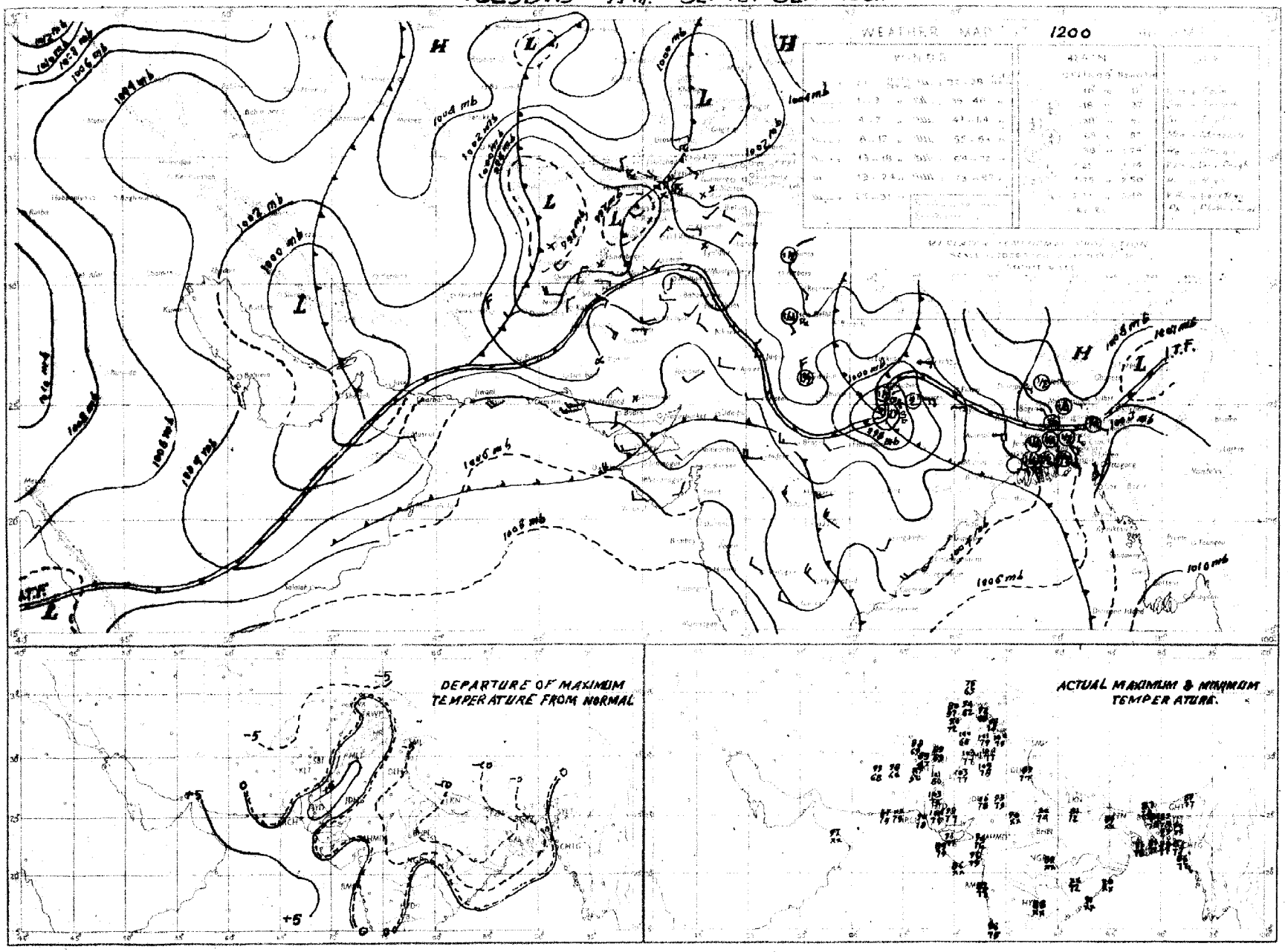
WEDNESDAY 12th SEPTEMBER 1951



Rainfall amounts indicated in the above chart refer to past hours.

PAKISTAN DAILY WEATHER MAP

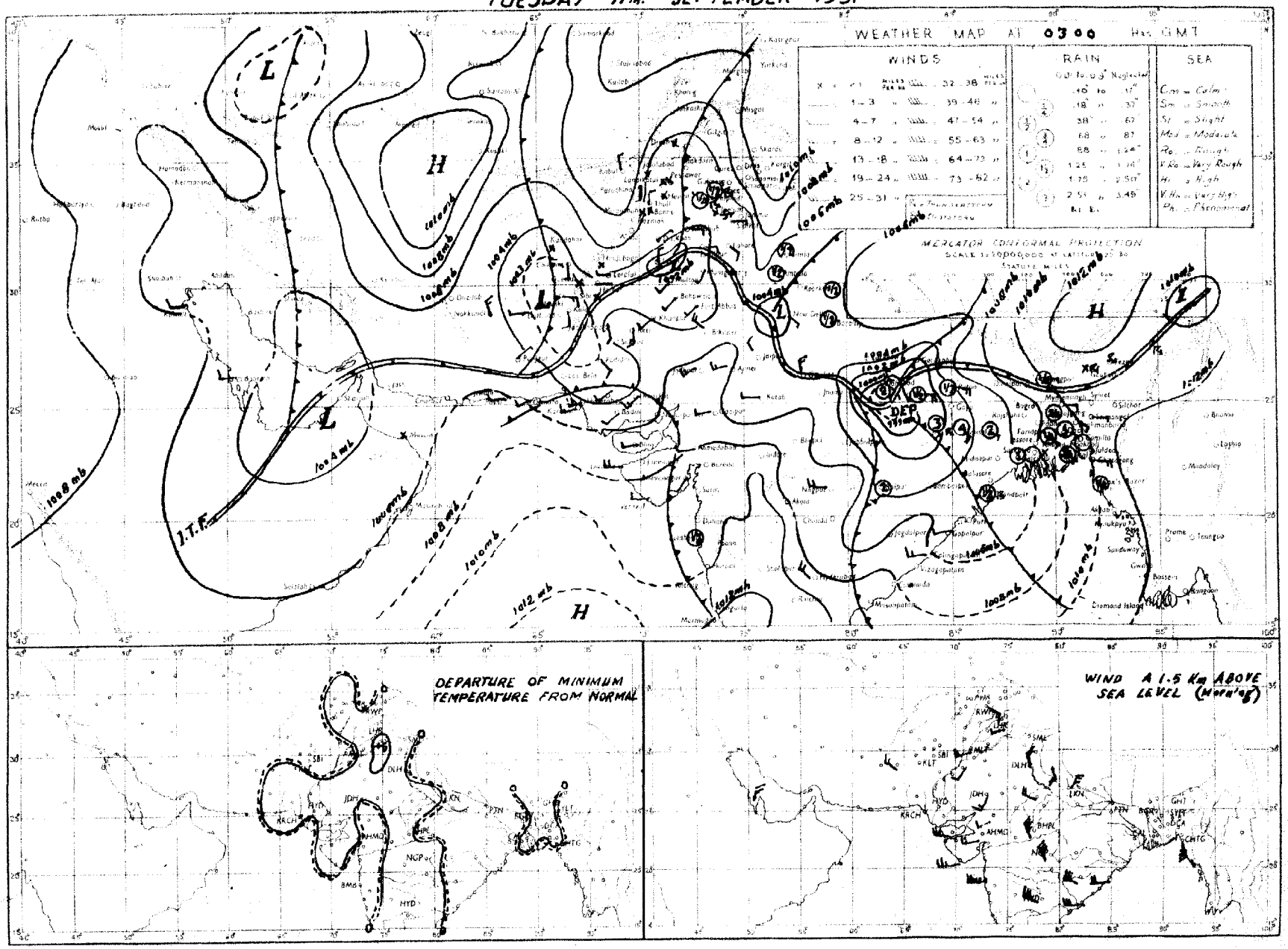
TUESDAY 11th. SEPTEMBER 1951.



Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER MAP

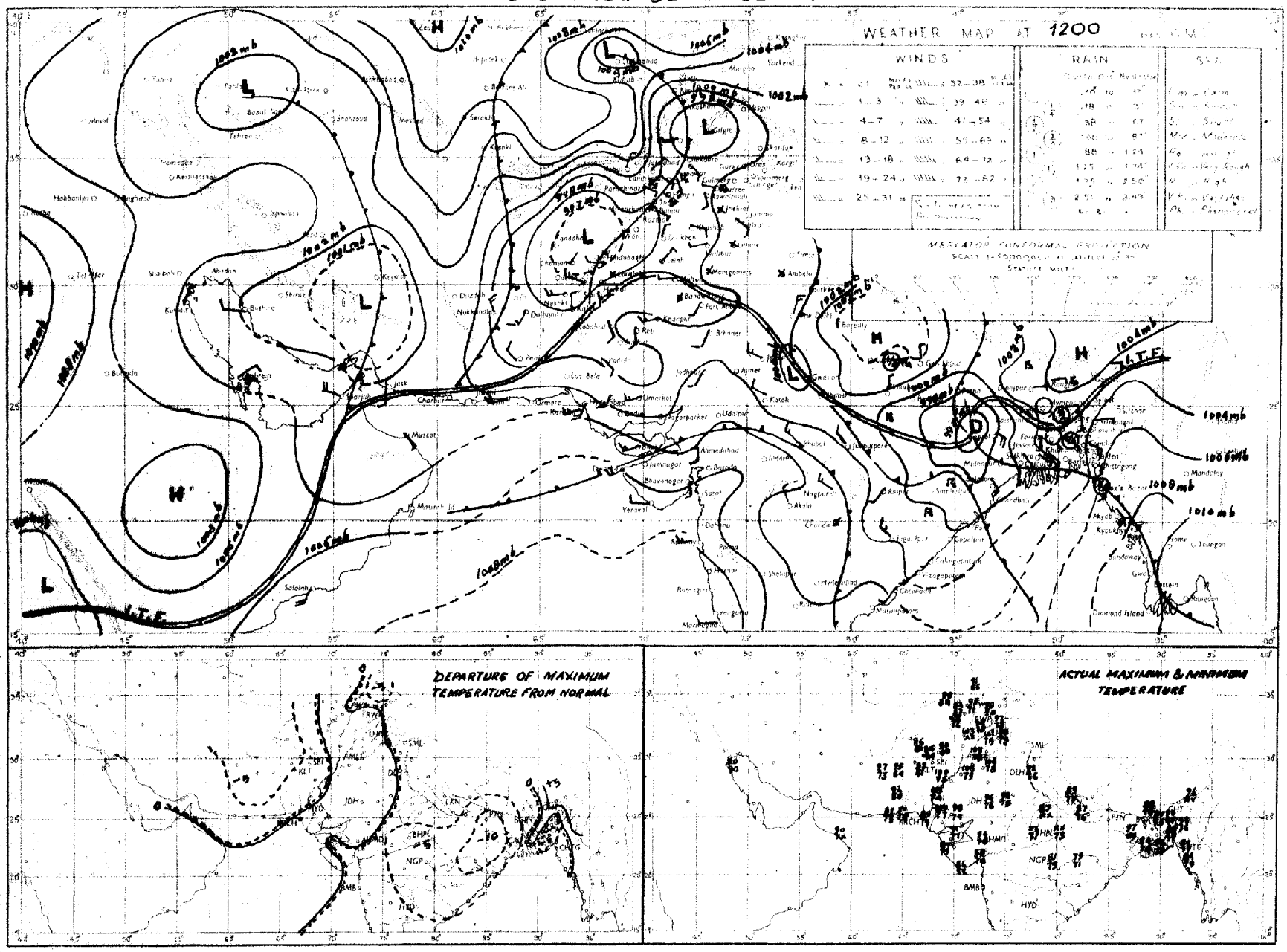
TUESDAY 11th. SEPTEMBER 1951



Rainfall amounts indicated in the above chart refer to past 24 hours

PAKISTAN DAILY WEATHER MAP

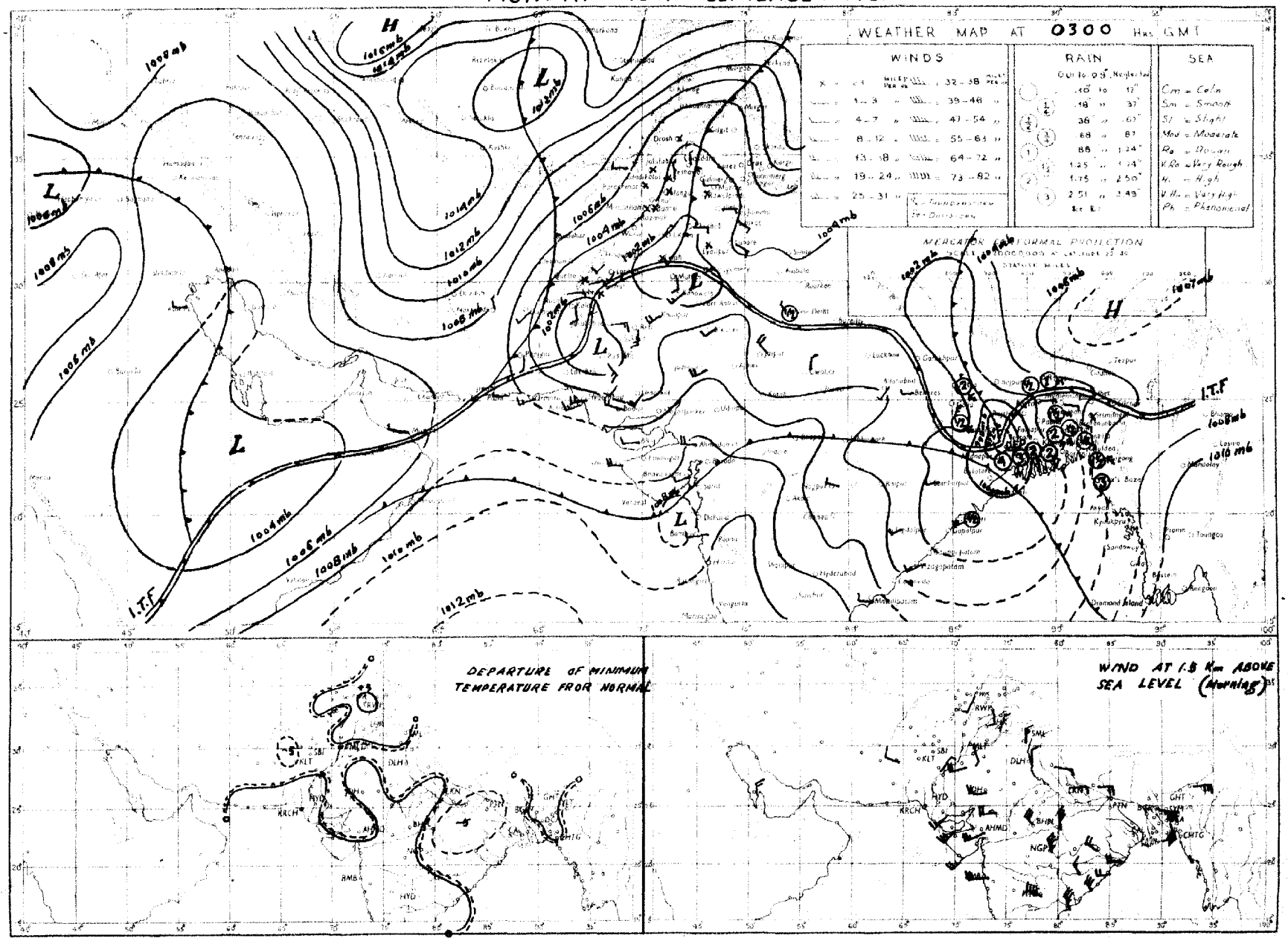
MONDAY 10th: SEPTEMBER 1951



Rainfall amounts indicated in the above chart refer to past 9 hours

PAKISTAN DAILY WEATHER MAP

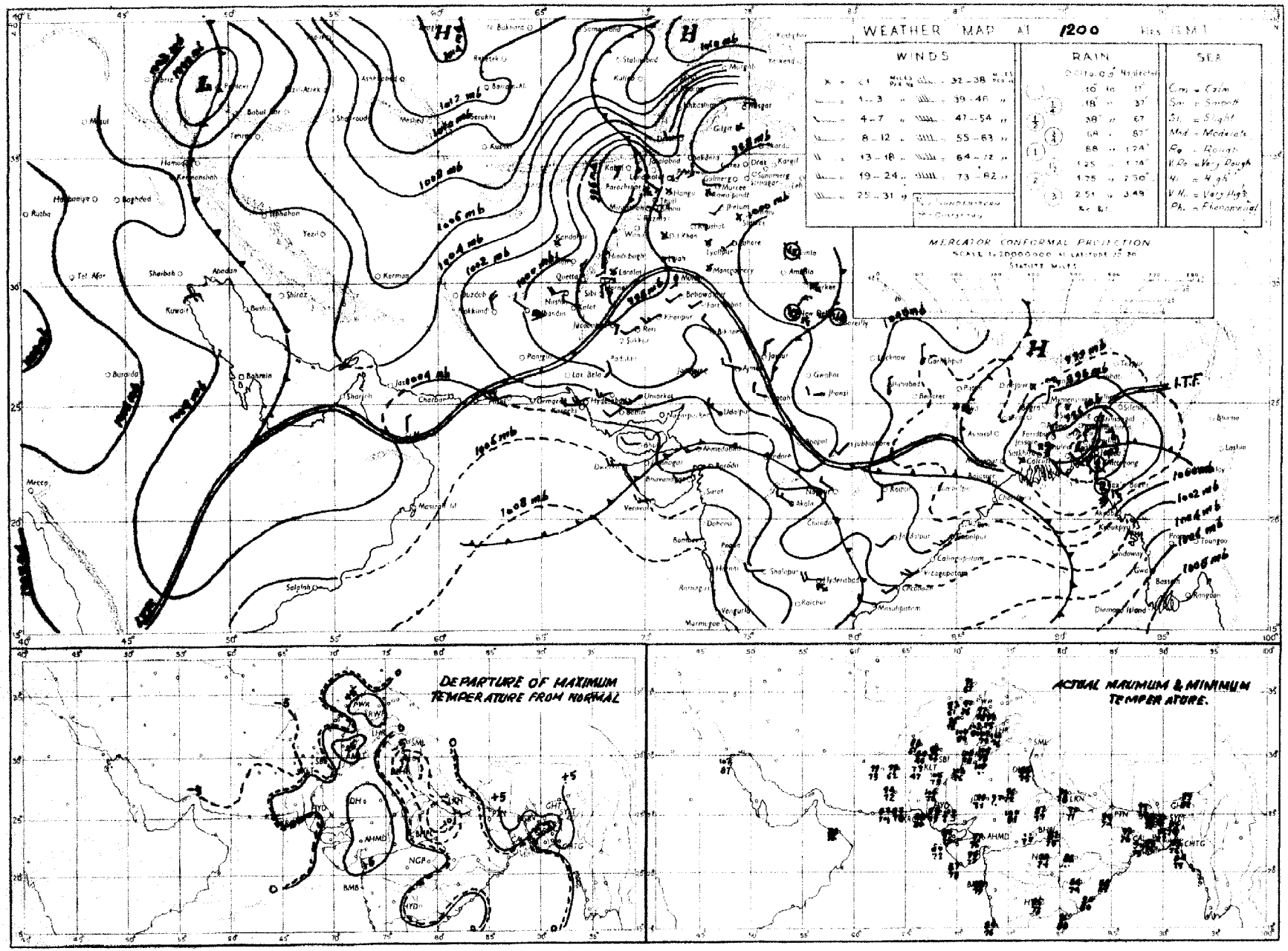
MONDAY 10th. SEPTEMBER 1951.



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

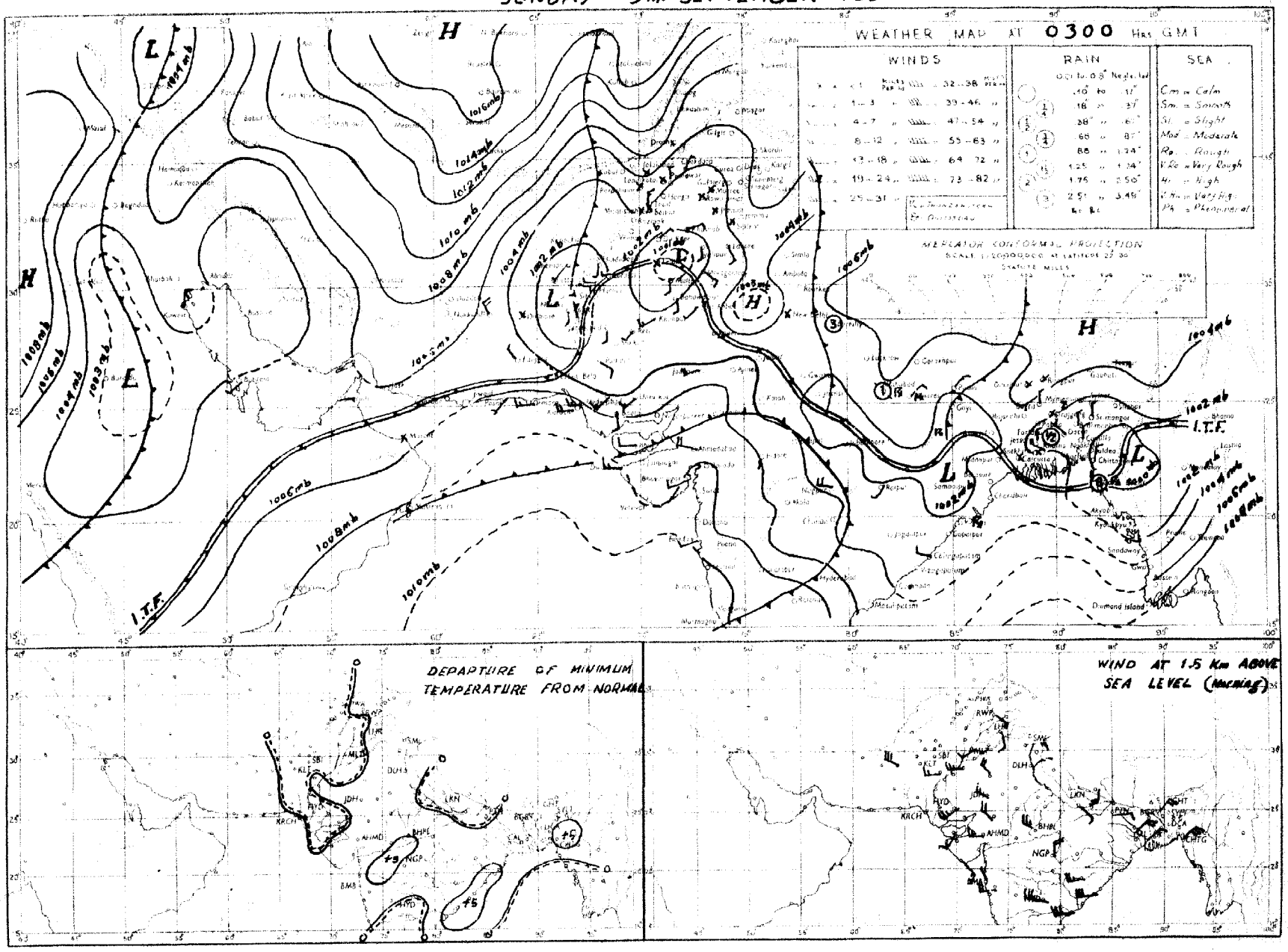
SUNDAY 9th SEPTEMBER 1951



Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER MAP

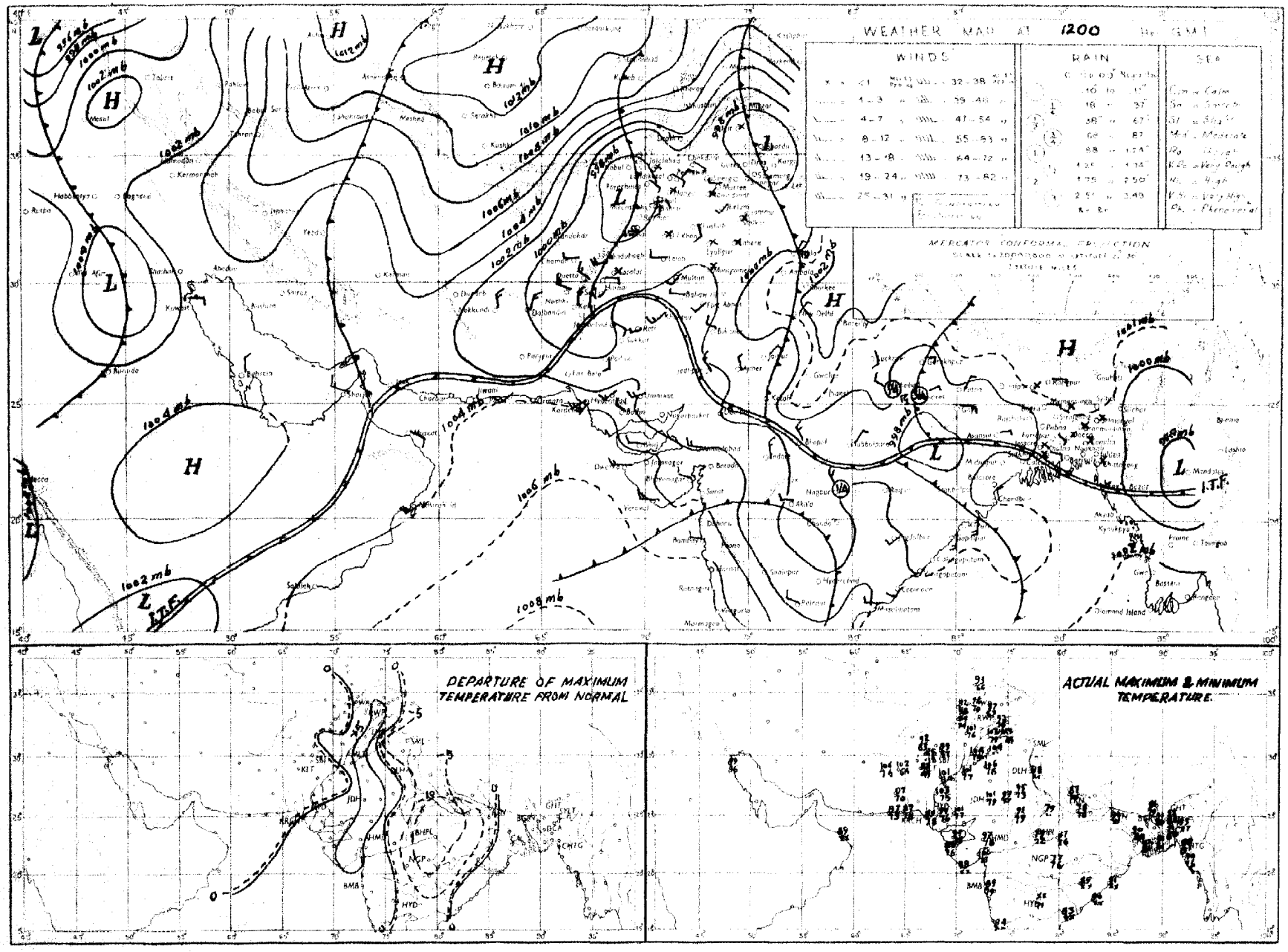
SUNDAY 9th. SEPTEMBER 1951



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

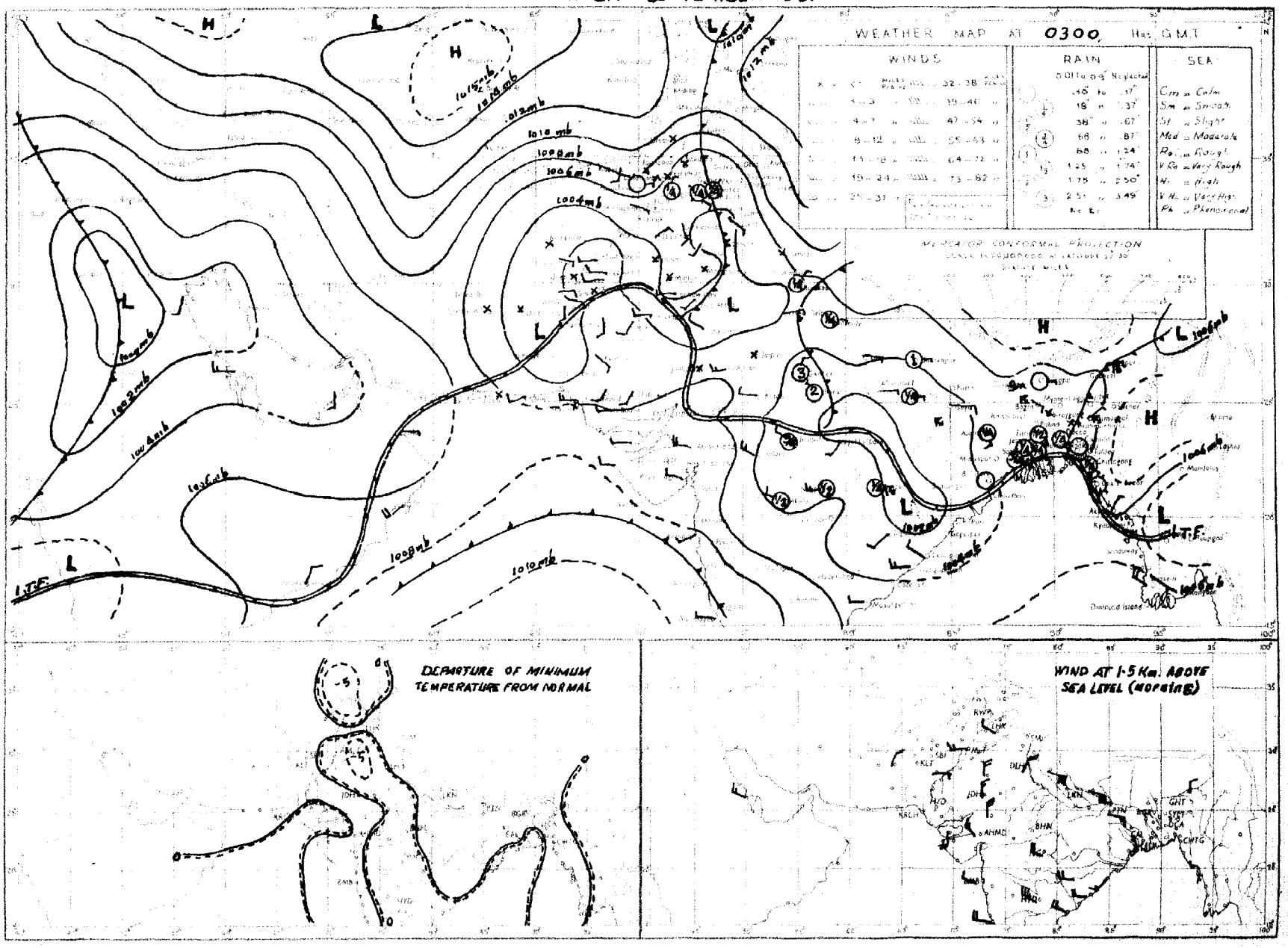
SATURDAY 8th. SEPTEMBER 1951.



Rainfall amounts indicated in the above chart refer to past 9 hours

PAKISTAN DAILY WEATHER MAP

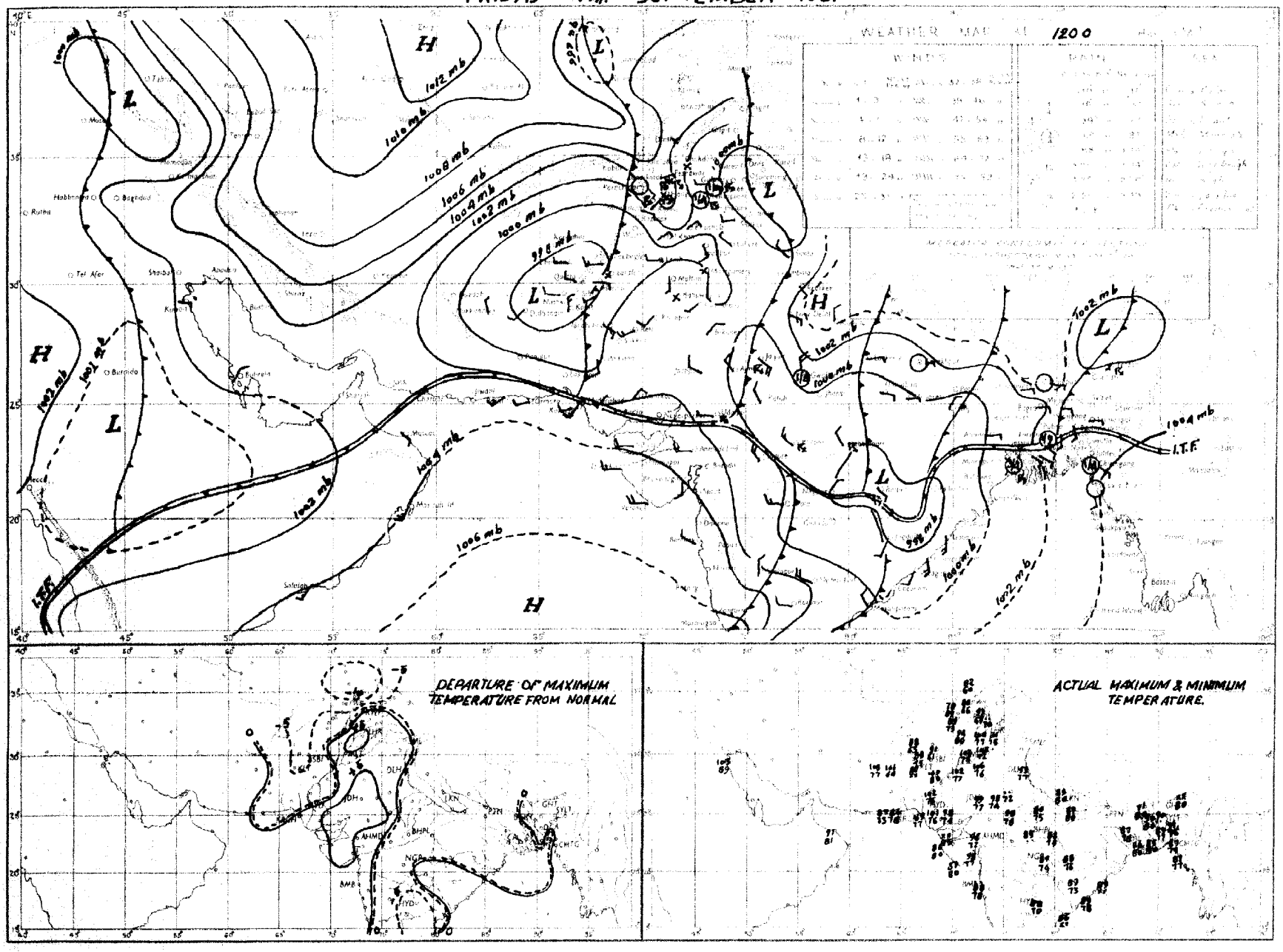
SATURDAY 8th: SEPTEMBER 1951



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

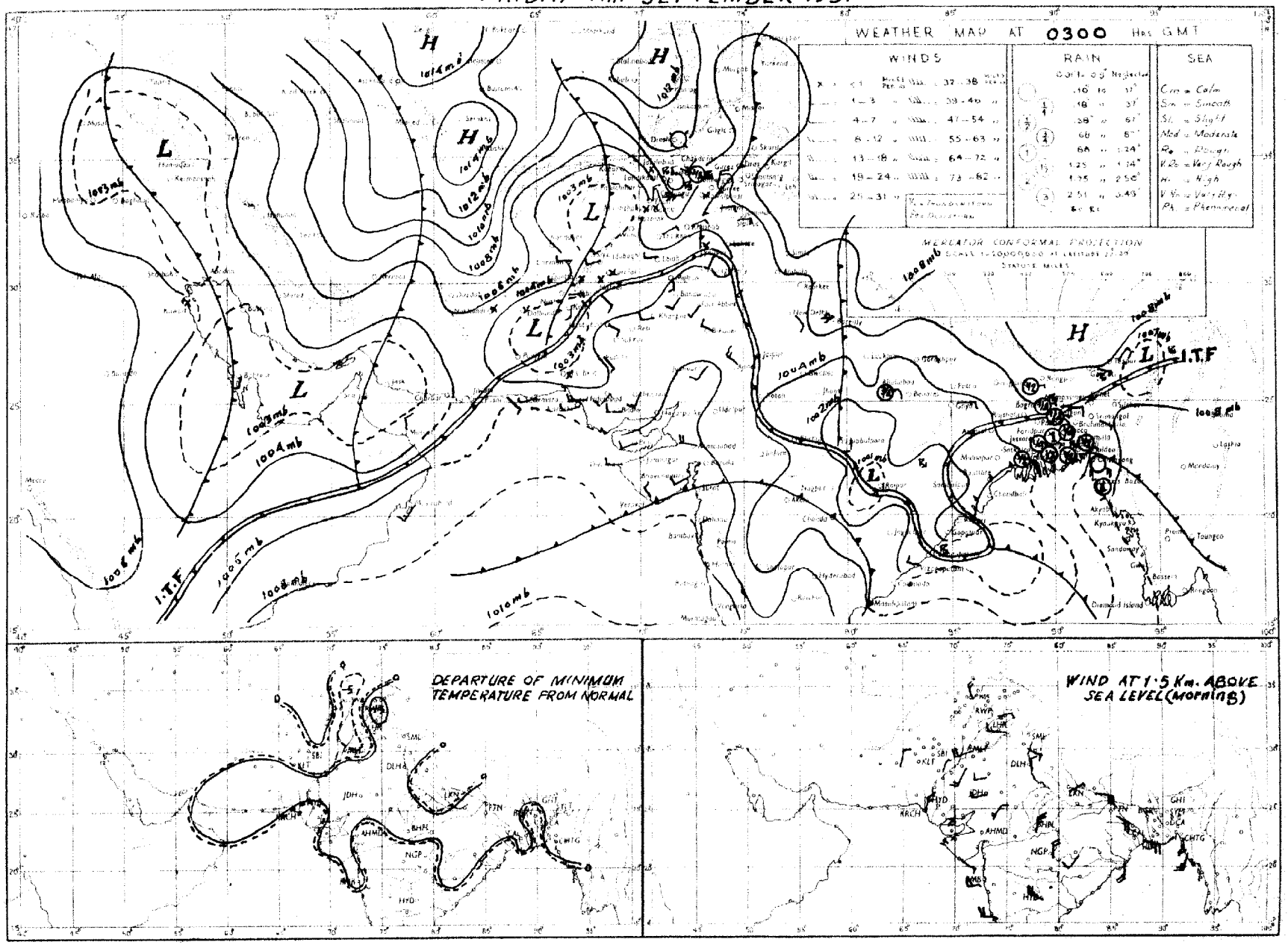
FRIDAY 7th. SEPTEMBER 1951.



Rainfall amounts indicated in the above chart refer to past 9 hours

PAKISTAN DAILY WEATHER MAP

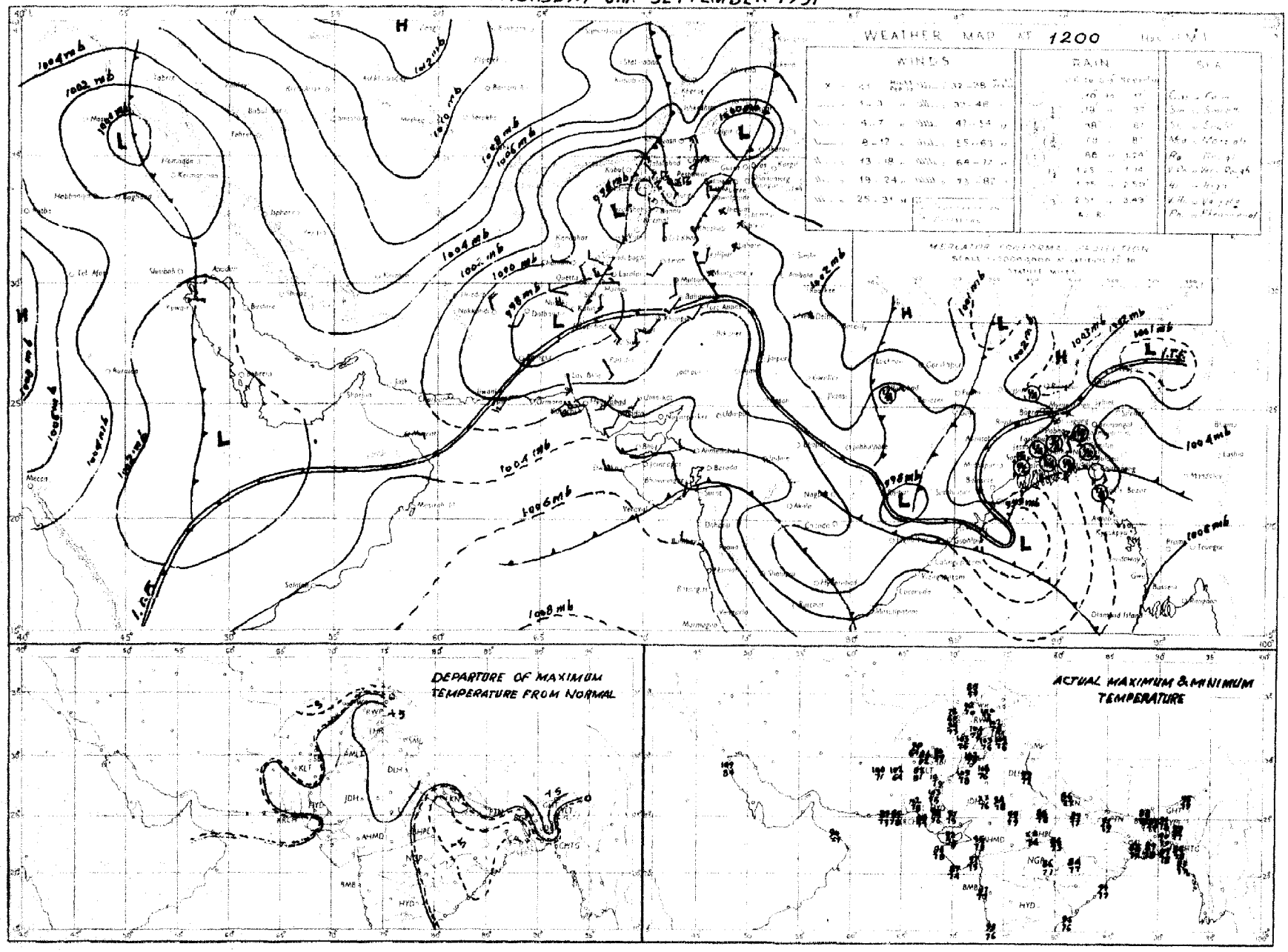
FRIDAY 7th: SEPTEMBER 1951



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

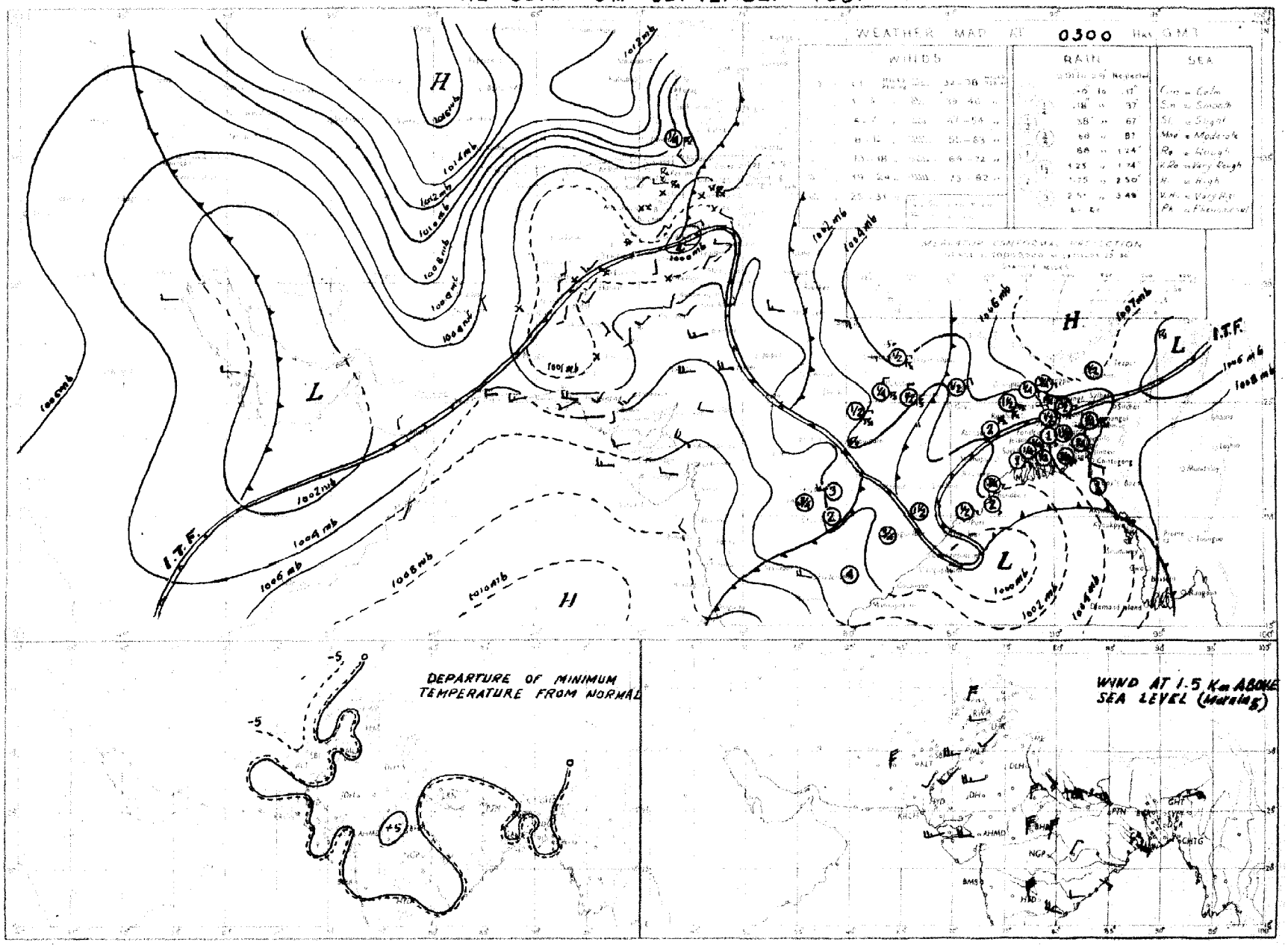
THURSDAY 6th: SEPTEMBER 1951



Rainfall amounts indicated in the above chart refer to past 9 hours

PAKISTAN DAILY WEATHER MAP

THURSDAY 6th SEPTEMBER 1951



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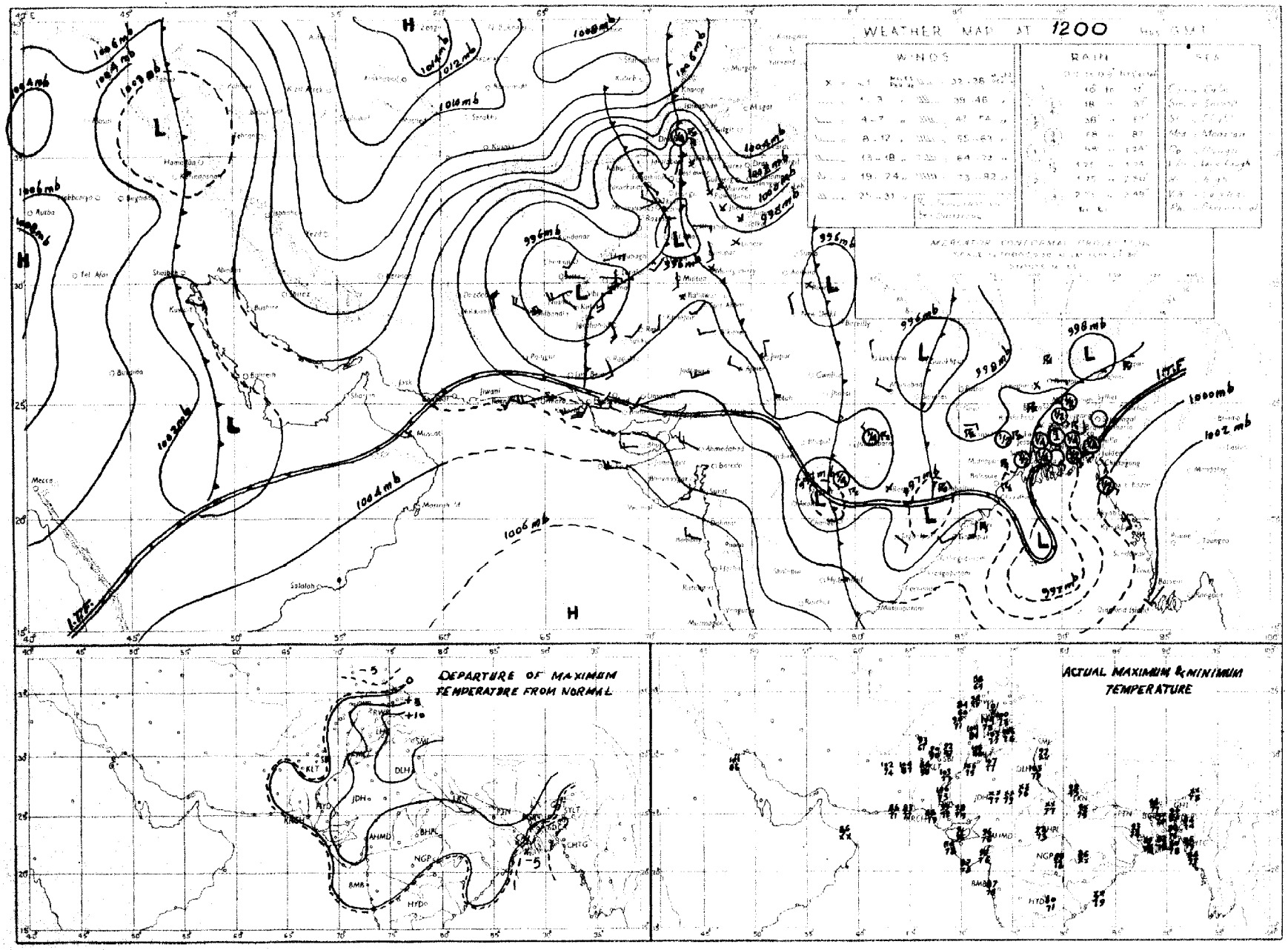
PAKISTAN DAILY WEATHER MAP

WEDNESDAY 5th: SEPTEMBER 1951



Rainfall amounts indicated in the above chart refer to past 9 hours

Regd. No S-1451.

WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G. M. T. on Wednesday, the 19th September, 1951.

—o:O:o—

SUMMARY OF WEATHER.

The chief features of the week were practically dry weather in West Pakistan and active monsoon in East Pakistan.

Some of the noteworthy amounts of rainfall recorded during the week were:—Barisal and Dinajpur ½" each, Khulna ¼" on the 13th; Comilla 2", Rangpur 1½", Satkhira ¾" and Dinajpur ½" on the 14th; Comilla 1½", Brahmanbaria ½" on the 15th; Chittagong 6", Barisal, Mymensingh and Dinajpur ¾" each, Satkhira, Srimangal and Rangpur ½" each on the 16th; Srimangal 5", Chittagong 2", Mymensingh, Cox's Bazar and Dinajpur 1" each, Comilla ¾", and Rangpur ½" on the 17th; Srimangal 2", and Cox's Bazar 1" on the 18th; Brahmanbaria 1½", Jessore and Srimangal ¾" each and Narayanganj ½" on the 19th.

Day temperatures were appreciably to markedly above normal in the south Punjab from the 12th to 15th, in the north Punjab on the 16th and 17th, in the North-West Frontier Province from the 13th to 18th, in north Baluchistan from the 16th to 18th and in the Deltaic and Northern sub-divisions of East Pakistan on the 17th. They were also appreciably to markedly below normal in the Eastern districts of East Pakistan on the 15th and 16th.

2. EAST PAKISTAN: Rainfall was nearly general on three days each in the three sub-divisions. It occurred locally on four days in the Eastern sub-division, on two days in the Deltaic sub-division and on one day in the Northern sub-division. A few falls were also recorded in the Northern sub-division on one day.

KASHMIR: Data not available.

PUNJAB: A few falls occurred over the hills of the north Punjab on one day.

NORTH-WEST FRONTIER PROVINCE: Weather remained dry.

BALUCHISTAN: Weather continued dry.

SIND: A few falls occurred on one day.

JUNAGADH: Data not available.

3. The week's rainfall was in excess in the Eastern sub-division and deficient in the Deltaic and Northern sub-divisions of East Pakistan. No rain fell in West Pakistan.

Rainfall for the period from 1st June, 1951 to date was normal in East Pakistan. It was deficient in the north Punjab, the North-West Frontier Province and Baluchistan and scanty in the south Punjab and Sind.

4. The table overleaf summarises the rainfall statistics for the eleven sub-divisions of Pakistan both for the week and for the period from 1st June, 1951 to date.

KARACHI-11.
The 19th September, 1951.

MOHAMMAD SHABBAR,
for Director, Meteorological Service.

MAY 9 1952
WEATHER BUREAU

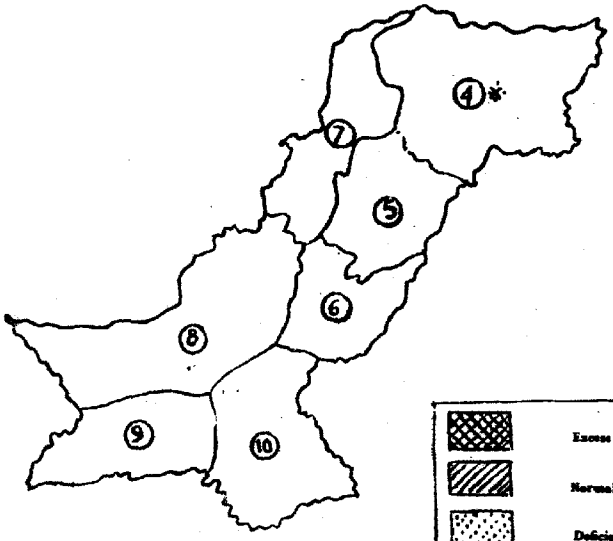
WEEKLY WEATHER REPORT

Division	Rainfall for week ending on 19th September, 1951.			Rainfall for period from 1-6-1951 to 19th September, 1951.			
	Actual †	Normal	Excess or defect	Actual †	Normal	* Excess or defect	
						Inches	Per cent
1	2	3	4	5	6	7	8
1. East Pakistan (East)	4.2	2.8	− 1.5	69.7	63.1	+ 6.6	+ 10
2. East Pakistan (Deltaic)	1.2	2.0	− 0.8	38.4	45.3	− 6.8	− 15
3. East Pakistan (North)	1.7	2.9	− 1.3	47.4	49.3	− 1.9	− 4
4. Kashmir ††	....	....	....	....	....	....	....
5. North Punjab	0	0.6	− 0.6	9.1	15.7	− 6.6	− 42
6. South Punjab	0	0.2	+0.2	1.9	5.2	− 3.3	− 64
7. N. W. F. P.	0	0.5	− 0.5	2.0	4.6	+2.6	− 57
8. North Baluchistan	0	0.1	− 0.1	1.3	2.7	− 1.4	− 51
9. South Baluchistan	0	0	0	0.6	0.9	− 0.3	− 37
10. Sind	0	0.1	− 0.1	1.9	5.3	− 3.4	− 64
11. Junagadh ††	....	....	....	....	....	....	....

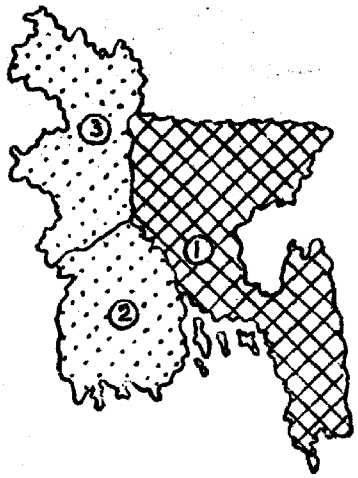
* In the calculation of excesses and defects, and their percentages, rainfall figures are taken correct to 0·01".

† Rainfall of stations having no normals is not included.

†† Data not available



RAINFALL FOR THE WEEK ENDING 19-9-1951



Excess + 20 % or more

Normal + 19% to −19 %

Deficient − 20% to − 59 %

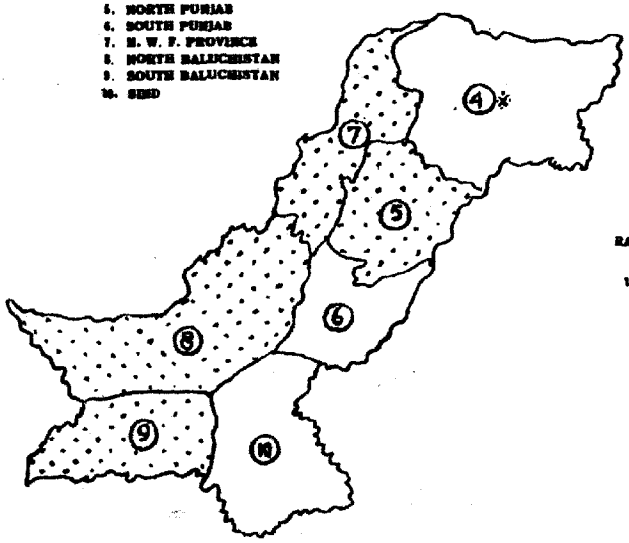
Scanty − 60 % or less

WEST PAKISTAN

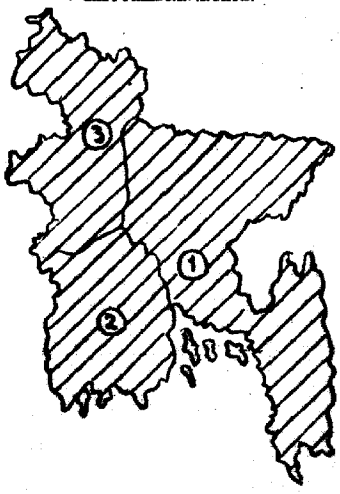
4. KASHMIR
5. NORTH PUNJAB
6. SOUTH PUNJAB
7. N. W. F. PROVINCE
8. NORTH BALUCHISTAN
9. SOUTH BALUCHISTAN
10. SIND

EAST PAKISTAN

1. EAST PAKISTAN (EAST)
2. EAST PAKISTAN (DELTAIC)
3. EAST PAKISTAN (NORTH)



RAINFALL FOR THE PERIOD FROM 1-6-1951 TO 19-9-1951



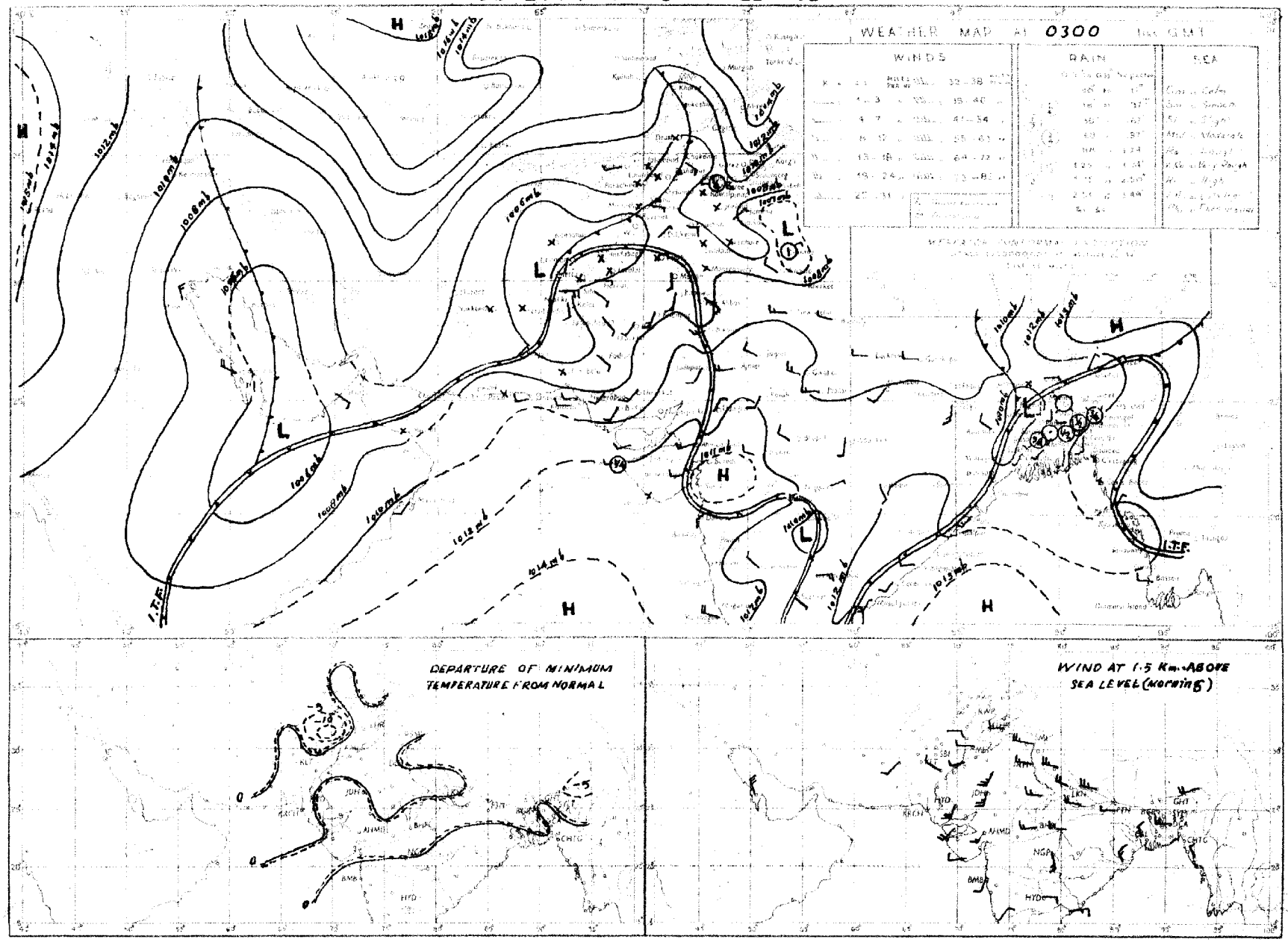
SCALE—[illegible] MILES=½"

SCALE—[illegible] MILES=1"

* Data not available.

PAKISTAN DAILY WEATHER MAP

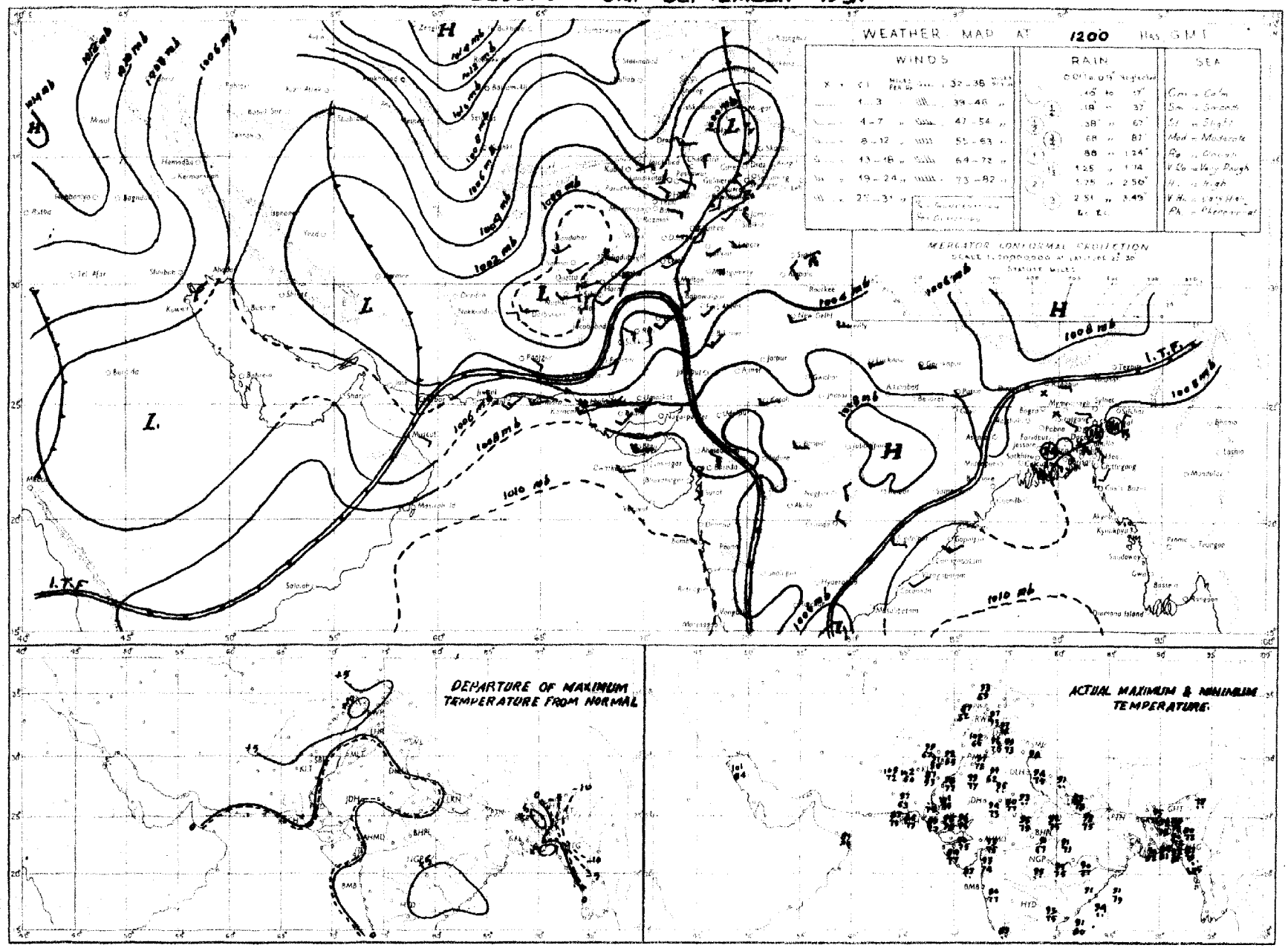
WEDNESDAY 19th: SEPTEMBER 1951



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

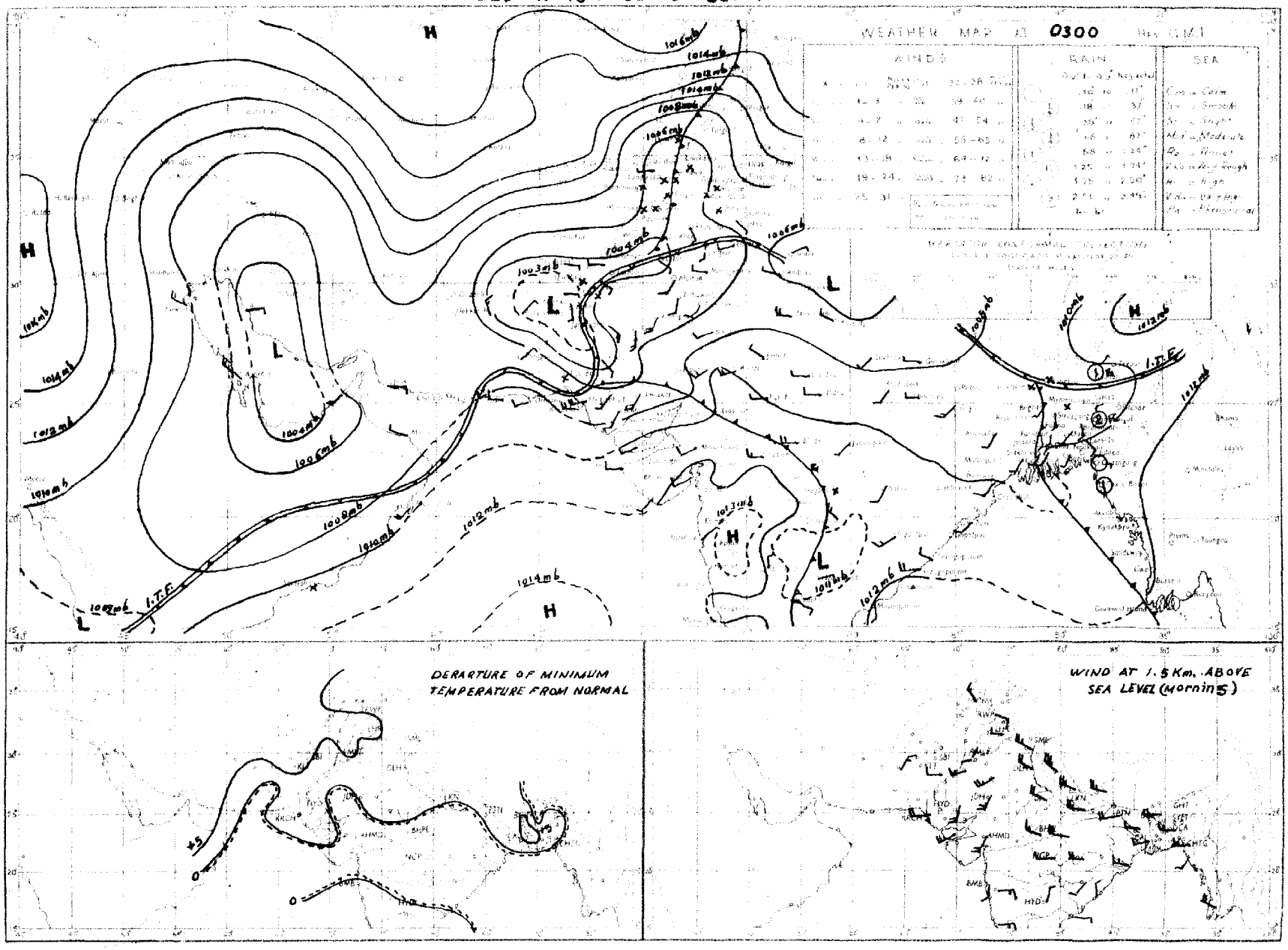
TUESDAY 18th. SEPTEMBER 1951.



Rainfall amounts indicated in the above chart refer to past 9 hours.

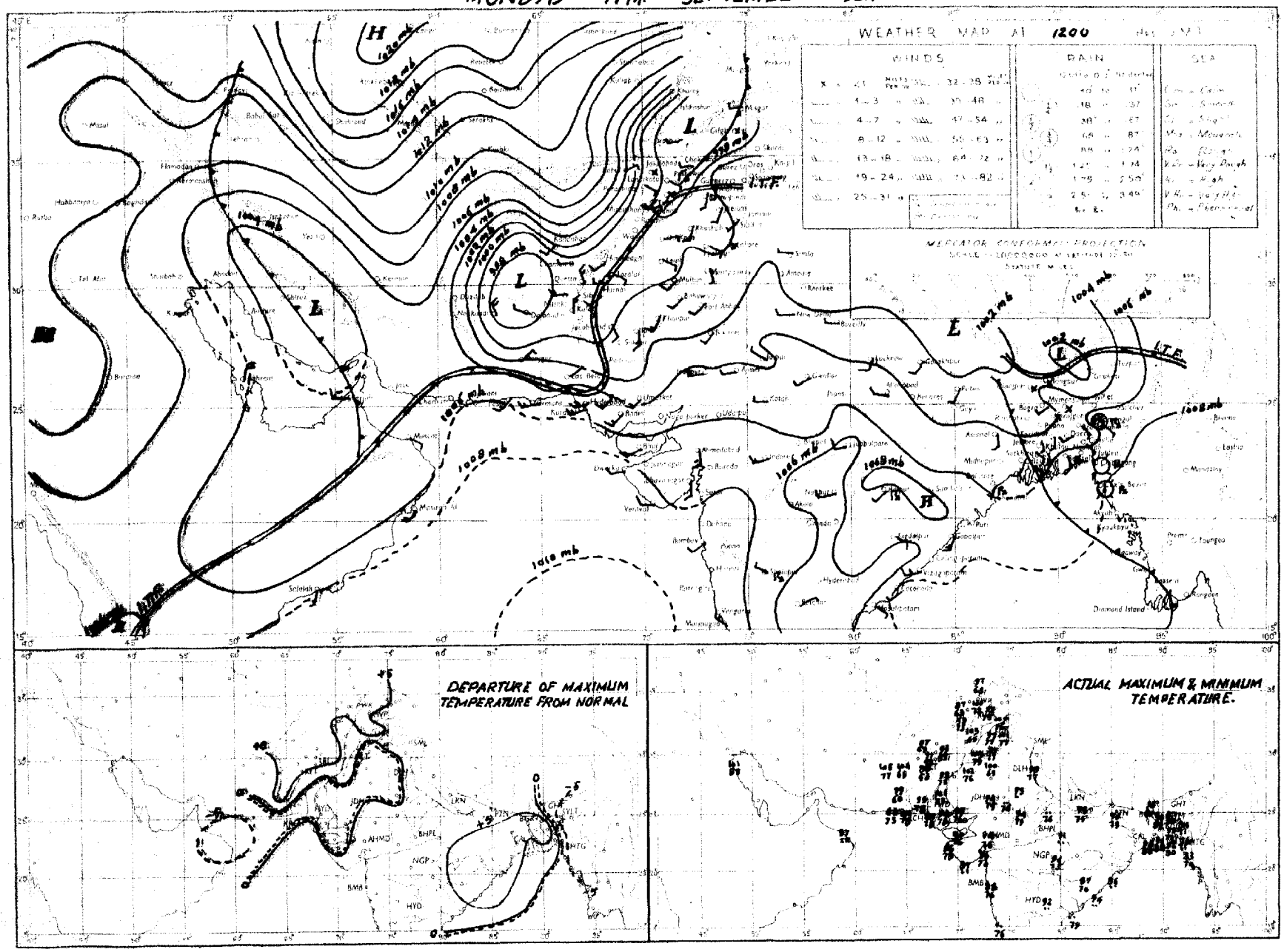
PAKISTAN DAILY WEATHER MAP

TUESDAY 18th: SEPTEMBER 1951



PAKISTAN DAILY WEATHER MAP

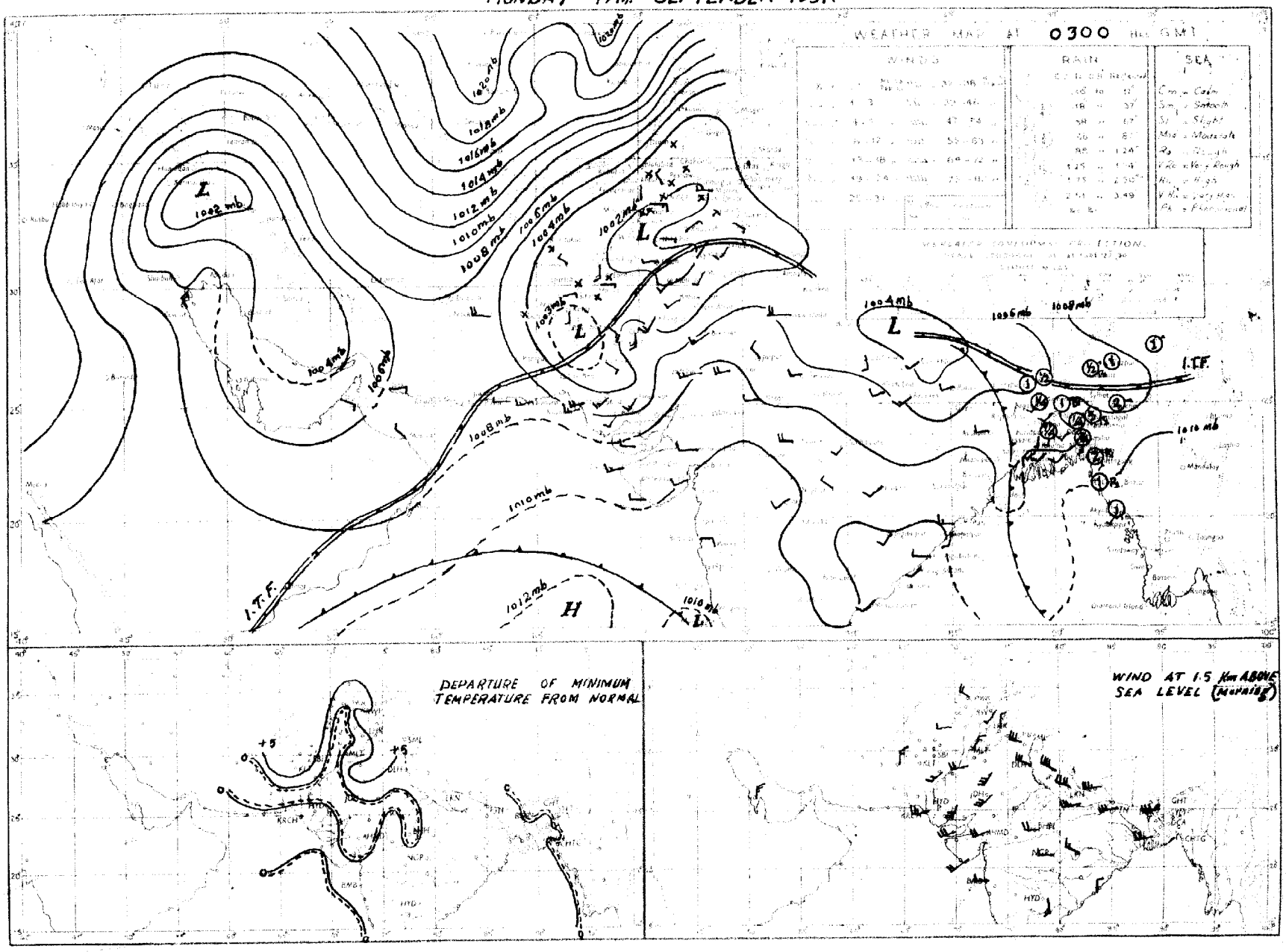
MONDAY 17th. SEPTEMBER 1951.



Rainfall amounts indicated in the above chart refer to past 9 hours.

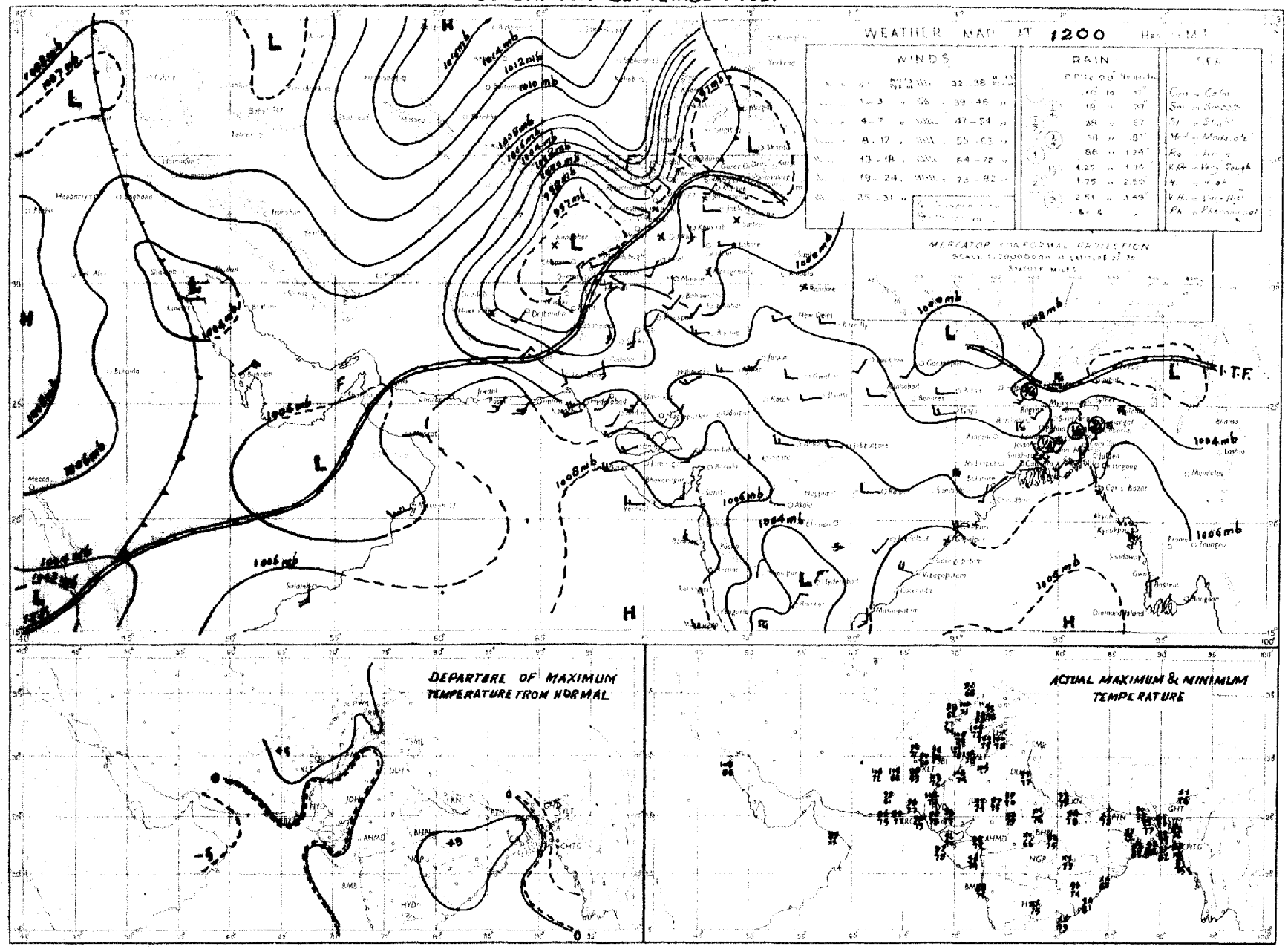
PAKISTAN DAILY WEATHER MAP

MONDAY 17th SEPTEMBER 1951.



PAKISTAN DAILY WEATHER MAP

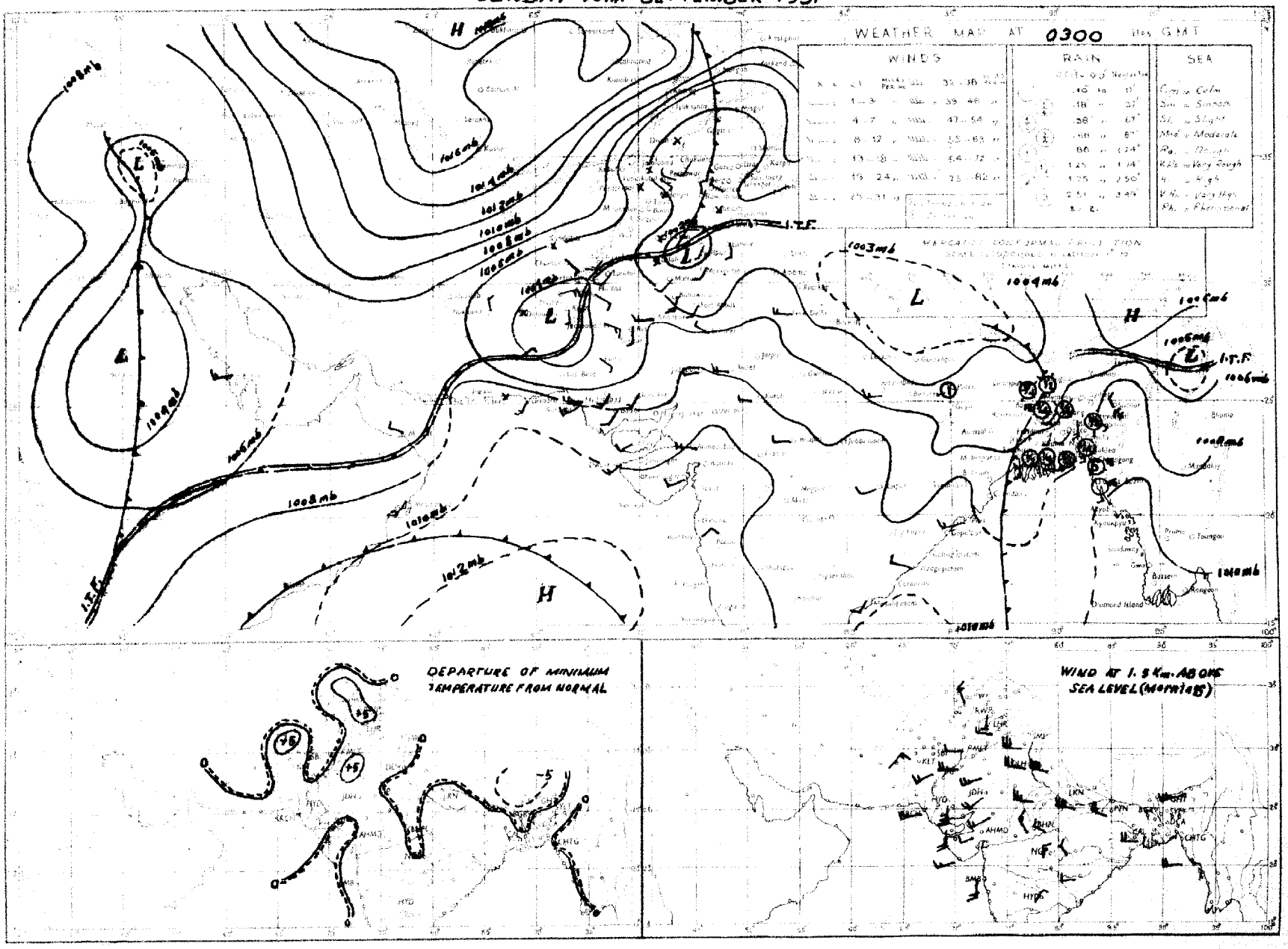
SUNDAY 16th: SEPTEMBER 1951



Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER MAP

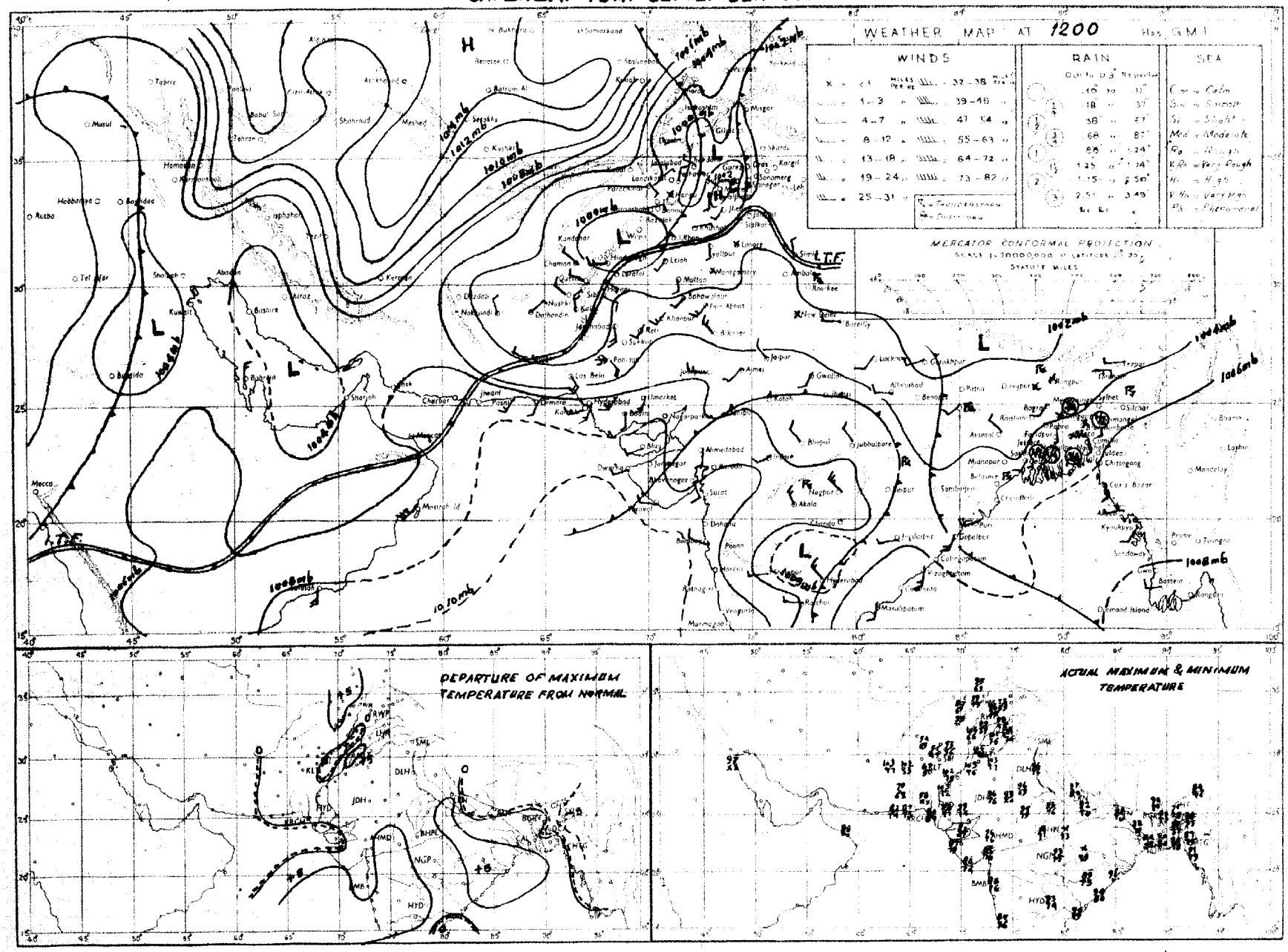
SUNDAY 16th: SEPTEMBER 1951



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

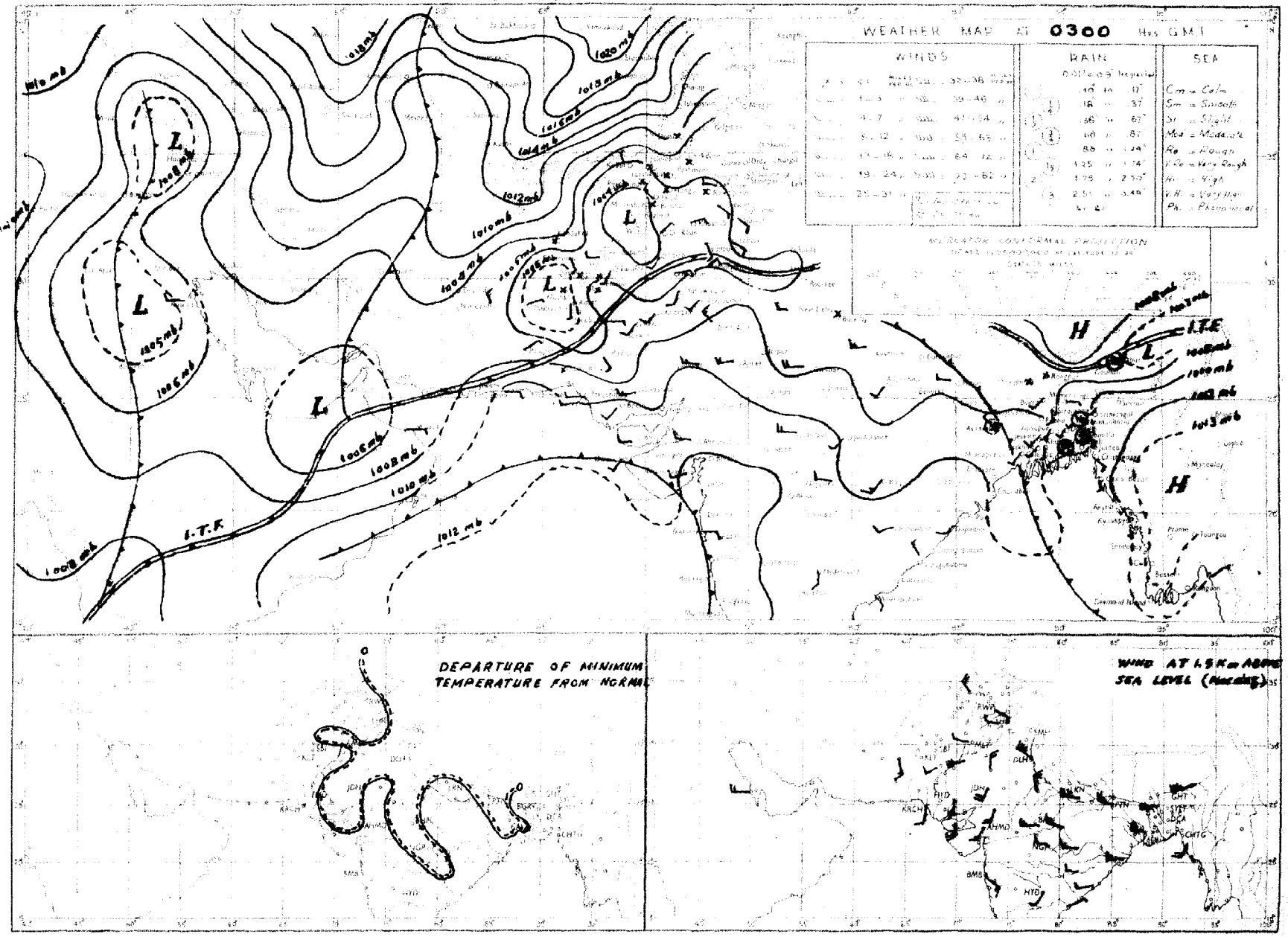
SATURDAY 15th: SEPTEMBER 1951



Rainfall amounts indicated in the above chart refer to past 9 hours

PAKISTAN DAILY WEATHER MAP

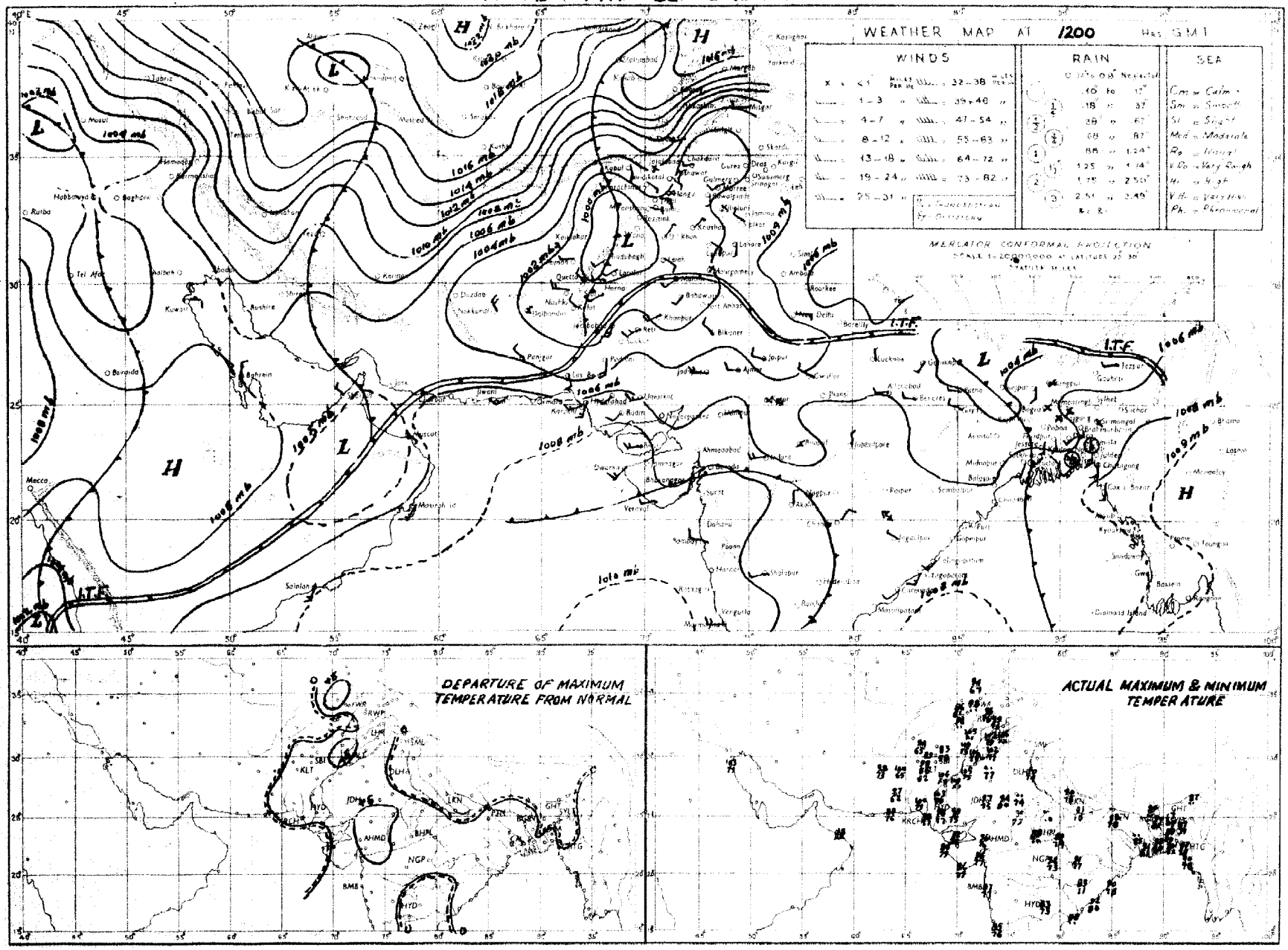
SATURDAY 15th. SEPTEMBER



Rainfall amounts indicated on the above chart refer to past 24 hours

PAKISTAN DAILY WEATHER MAP

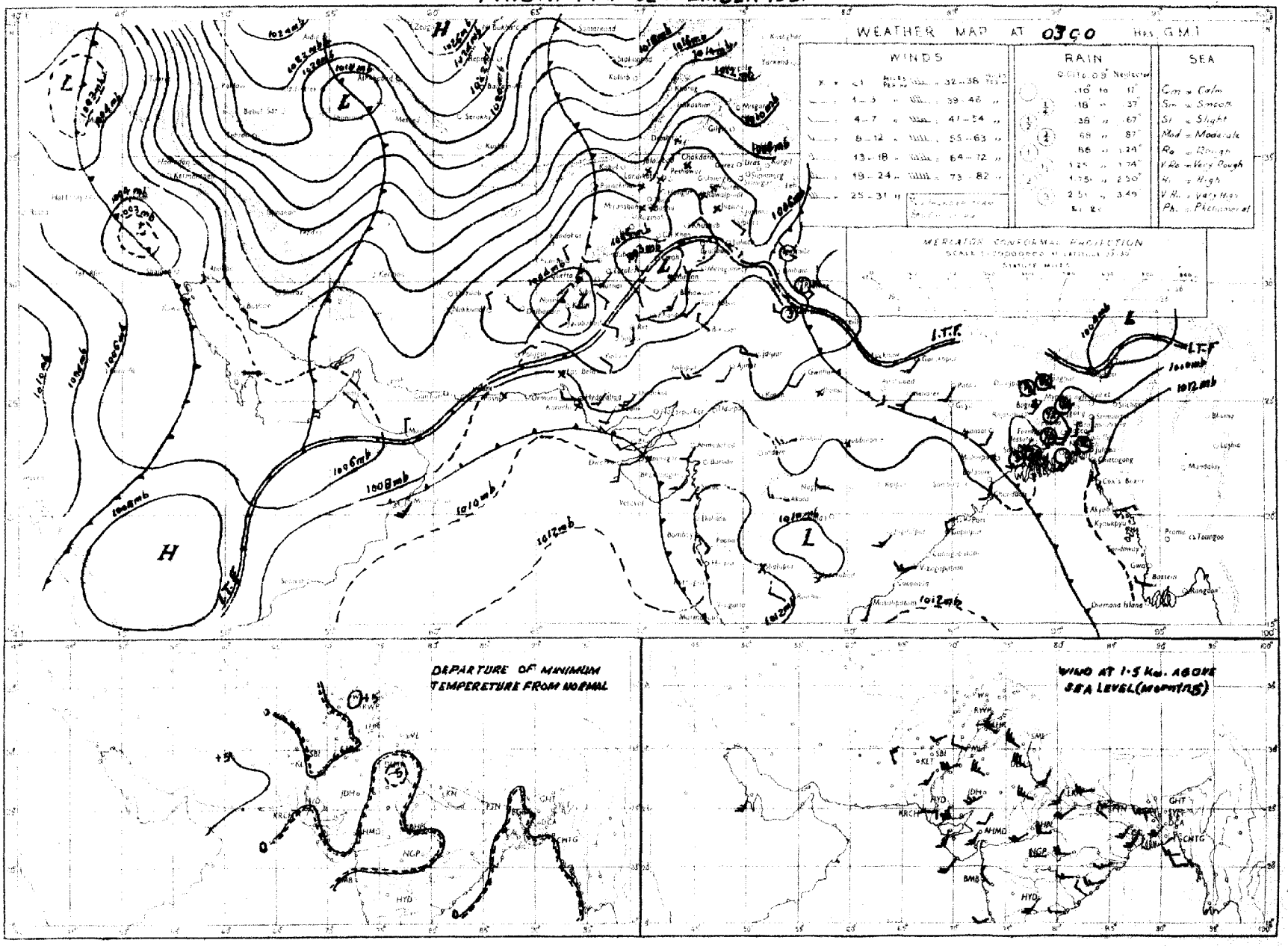
FRIDAY 14th. SEPTEMBER 1951.



Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER MAP

FRIDAY 14th: SEPTEMBER 1951

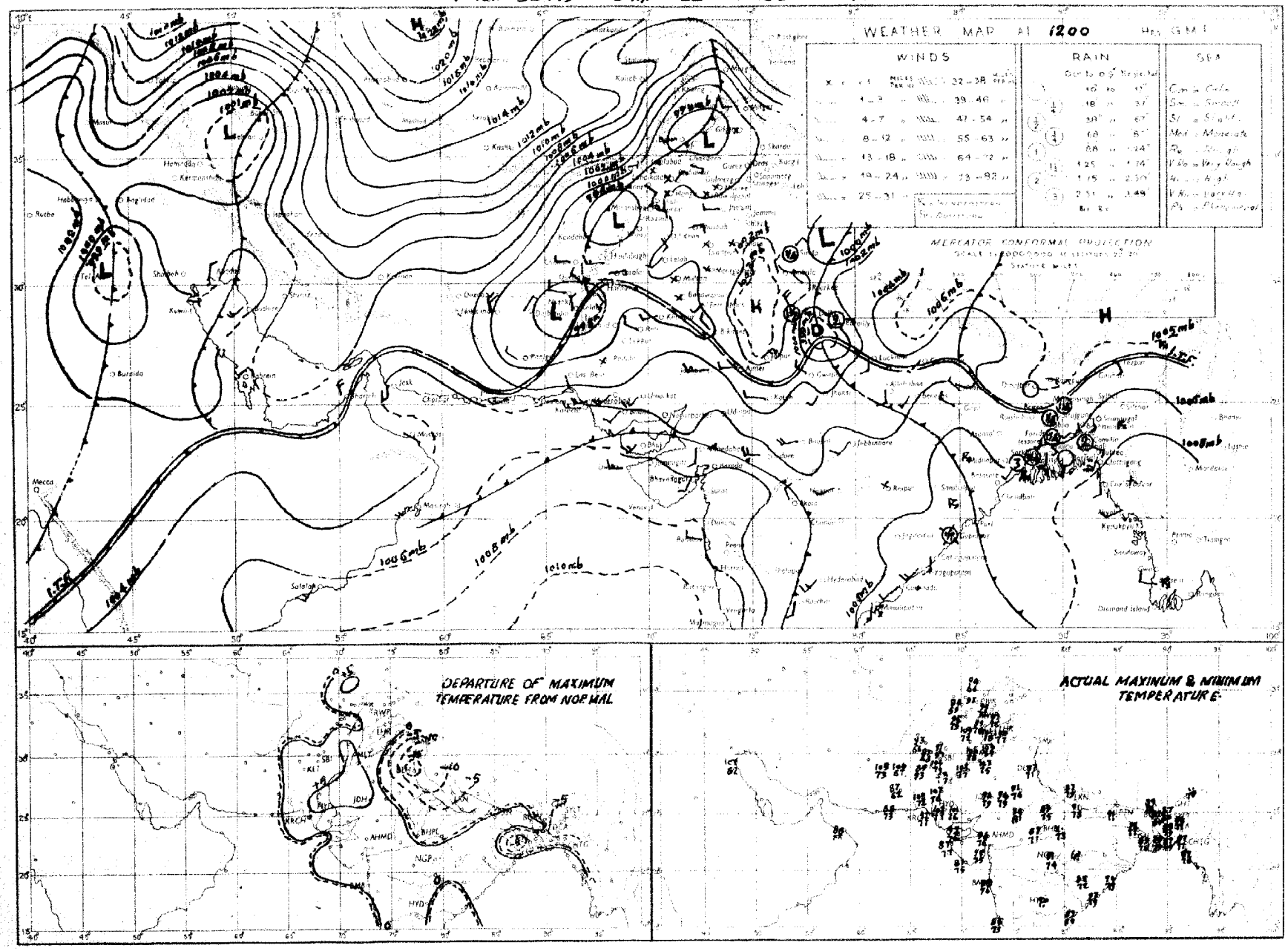


Rainfall amounts indicated in the above chart refer to past 24 hours

PRINTED AT THE SURVEY OF PAKISTAN OFFICE, DEHRA DUN.

PAKISTAN DAILY WEATHER MAP

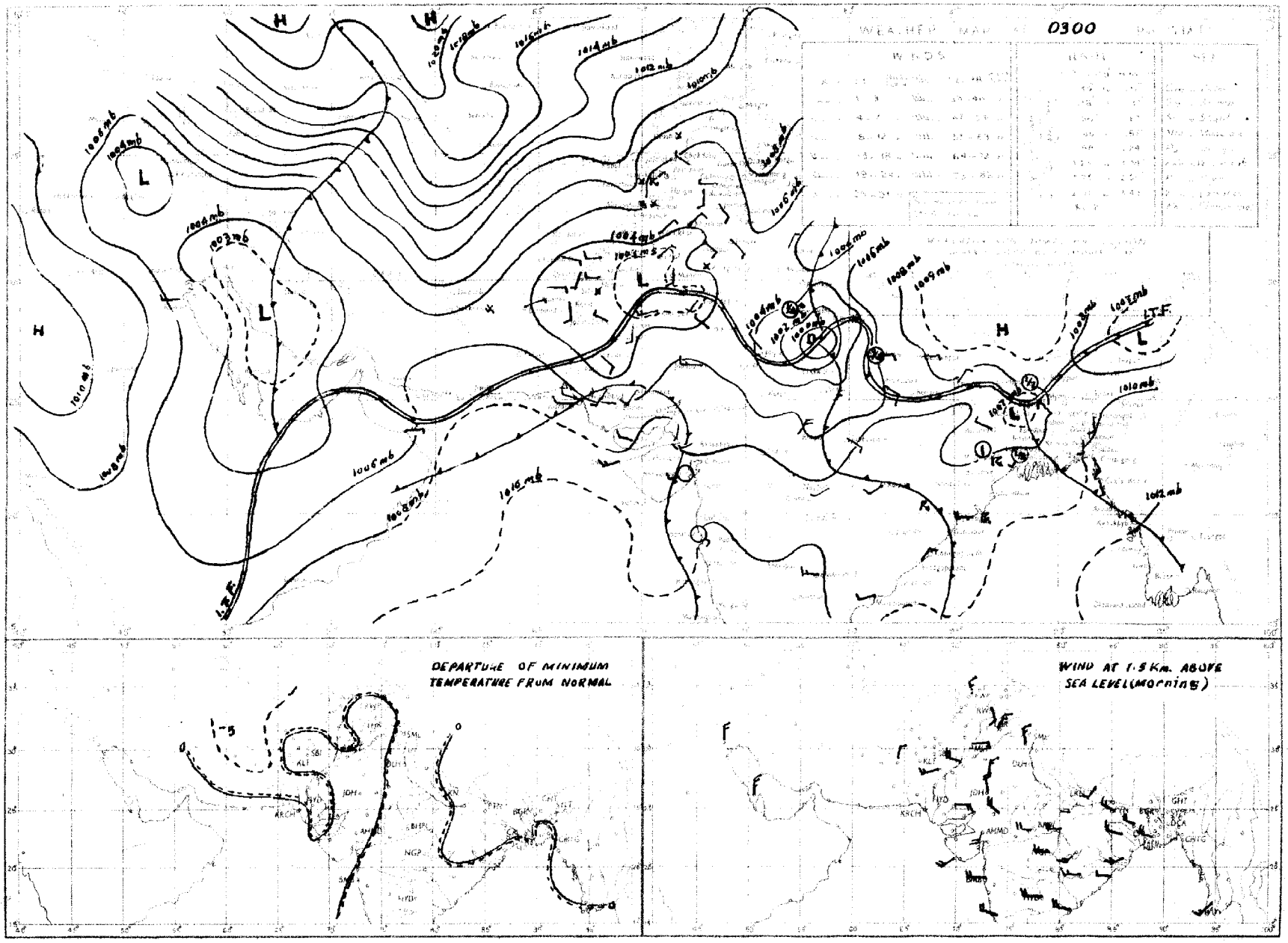
THURSDAY 13th. SEPTEMBER 1951



Rainfall amounts indicated in the above chart refer to past 9 hours

PAKISTAN DAILY WEATHER MAP

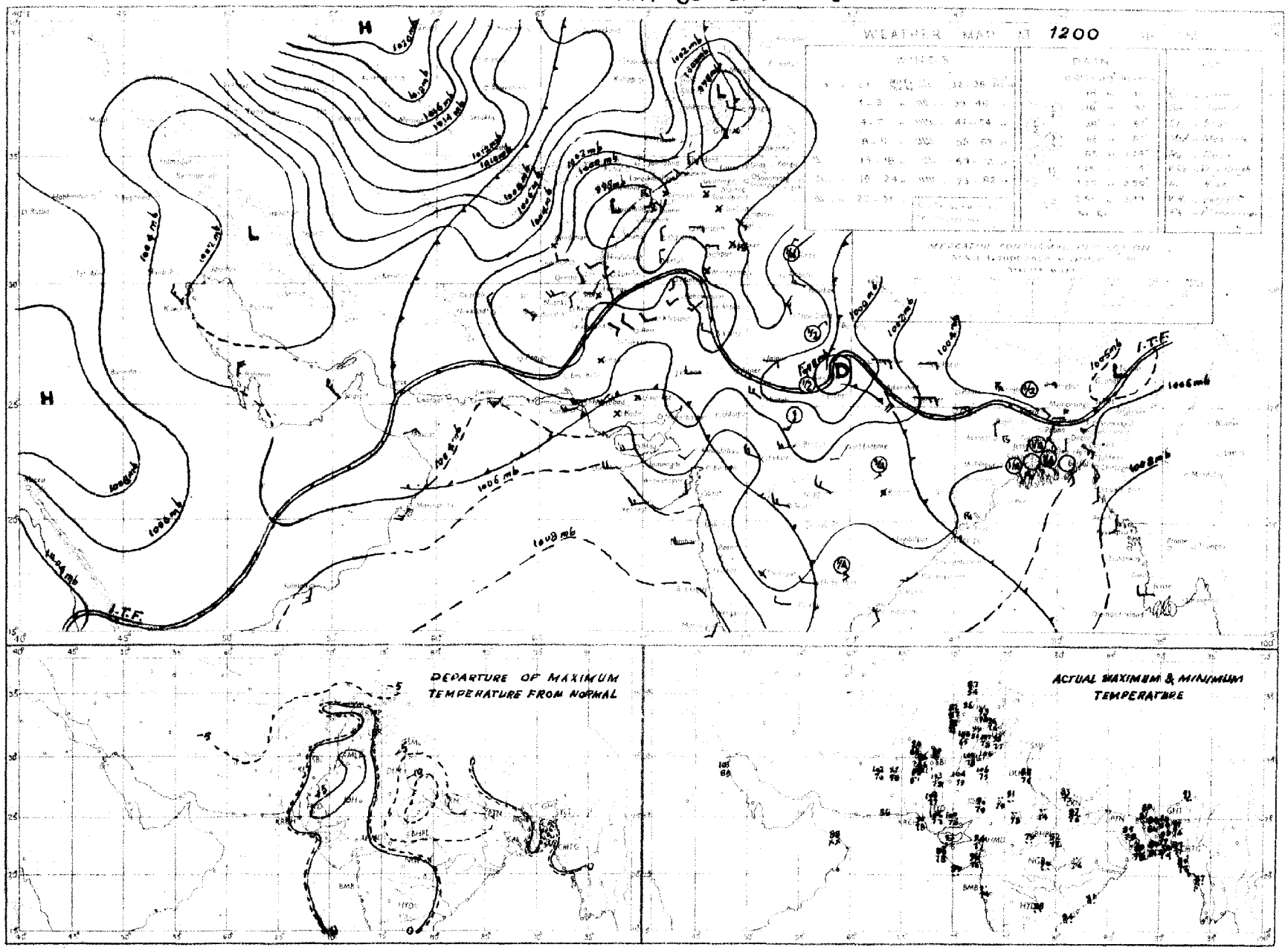
THURSDAY 13th: SEPTEMBER 1951



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

WEDNESDAY 12th: SEPTEMBER 1951



Rainfall amounts indicated in the above chart refer to past 9 hours

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WEATHER BUREAU

Regd. No. S-1451.

WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G. M. T. on Wednesday, the 26th September, 1951.

—o:O:o—

SUMMARY OF WEATHER.

A low pressure wave which moved eastwards across the extreme north of West Pakistan and Kashmir, caused a light spell of wet weather and thundery activity in the North-West Frontier Province and the north Punjab during the period 22nd to 25th.

Monsoon was active in East Pakistan on the first day and week thereafter.

Some of the noteworthy amounts of rainfall recorded during the week were: Rangpur and Srimangal $\frac{1}{2}$" each, Faridpur, Dinajpur, Mymensingh and Comilla $\frac{1}{4}$" each on the 20th; Bogra $\frac{1}{4}$" on the 21st; Dinajpur $\frac{1}{4}$" on the 22nd; Satkhira, Jessore and Murree $\frac{1}{4}$" on the 23rd; Cox's Bazar $\frac{3}{4}$" on the 26th.

Day temperatures were appreciably to markedly above normal in the North-West Frontier Province on the 21st and 22nd, in the north Punjab from the 21st to 23rd and 25th, in north Baluchistan on the 21st, 23rd and 25th and in East Pakistan on the last day.

2. EAST PAKISTAN: Rainfall was local on two days in the northern sub-division and on one day each in the Eastern and Deltaic sub-divisions. A few falls were also recorded on two days in the Deltaic sub-division and on one day each in the Eastern and Northern sub-divisions.

KASHMIR: Data not available.

PUNJAB: A few falls occurred over the hills of the north Punjab on one day.

NORTH-WEST FRONTIER PROVINCE: A few falls were recorded over the hills on two days.

BALUCHISTAN: Weather continued dry.

SIND: Weather remained dry.

JUNAGADH: Data not available.

3. The week's rainfall was scanty in East Pakistan. No rain fell in West Pakistan.

Rainfall for the period from 1st June, 1951 to date was normal in East Pakistan. It was deficient in the north Punjab, the North-West Frontier Province, and Baluchistan and scanty elsewhere.

4. The table overleaf summarises the rainfall statistics for the eleven sub-divisions of Pakistan both for the week and for the period from 1st June, 1951 to date.

KARACHI-11.
The 26th September, 1951.

MOHAMMAD SHABBAR,
for Director, Meteorological Service.

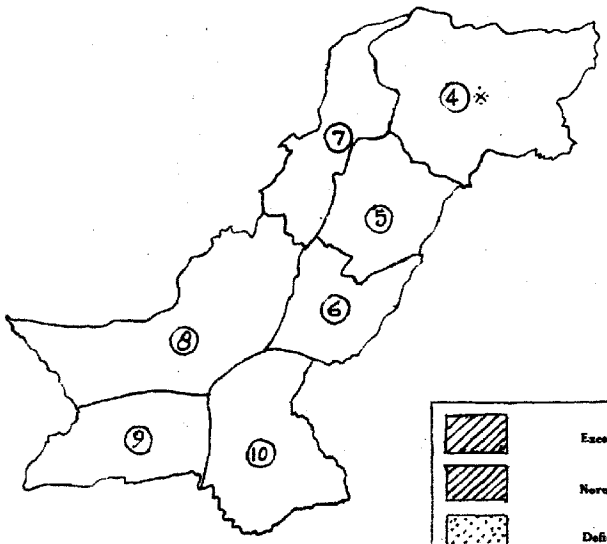
WEEKLY WEATHER REPORT

Division	Rainfall for week ending on 26th September, 1951.			Rainfall for period from 1-6-1951 to 26th September, 1951.			
	Actual †	Normal	Excess or defect	Actual †	Normal	* Excess or defect	
						Inches	Per cent
1	2	3	4	5	6	7	8
1. East Pakistan (East)	0.2	2.5	—2.3	70.0	65.7	+ 4.3	+ 7
2. East Pakistan (Deltaic)	0.2	2.2	—2.0	38.6	47.5	- 8.8	- 19
3. East Pakistan (North)	0.3	2.7	- 2.4	47.7	51.9	- 4.3	- 8
4. Kashmir ††	....	....	....	....	....	....	....
5. North Punjab	0	0.3	- 0.3	9.1	16.1	- 7.0	- 43
6. South Punjab	0	0.1	- 0.1	1.9	5.3	- 3.4	- 65
7. N. W. F. P.	0	0.2	- 0.2	2.0	4.8	- 2.9	- 59
8. North Baluchistan	0	0	- 0	1.3	2.8	- 1.4	- 52
9. South Baluchistan	0	0	0	0.6	1.0	- 0.4	- 38
10. Sind	0	0.1	- 0.1	1.9	5.4	- 3.5	- 64
11. Junagadh ††	....	....	....	....	....	....	....

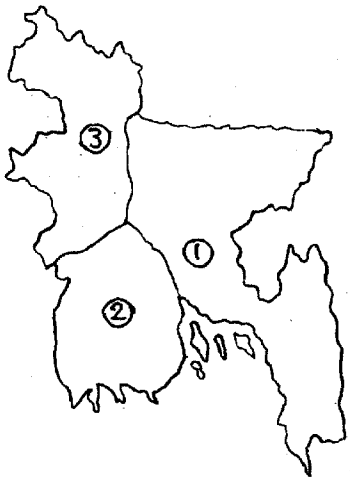
* In the calculation of excesses and defects, and their percentages, rainfall figures are taken correct to 0·01".

† Rainfall of stations having no normals is not included.

†† Data not available.



RAINFALL FOR THE WEEK ENDING 26·9·1951



Excess + 20 % or more

Normal + 19% to - 19 %

Deficient - 20% to - 59 %

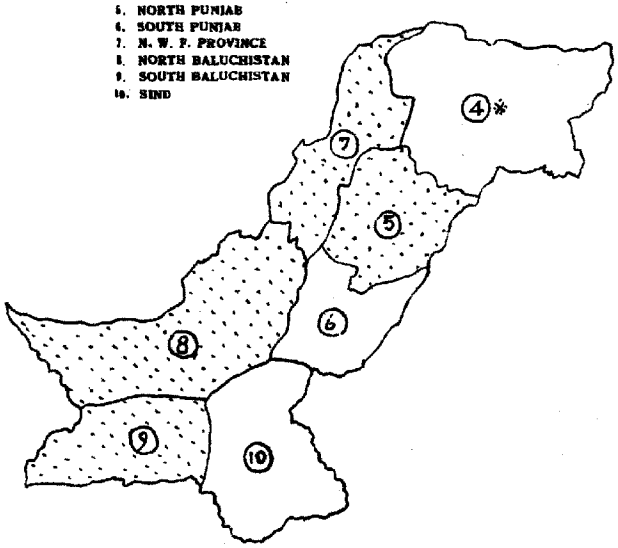
Scanty - 60 % or less

WEST PAKISTAN

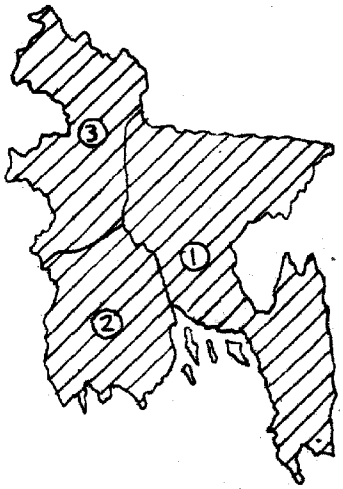
4. KASHMIR
5. NORTH PUNJAB
6. SOUTH PUNJAB
7. N. W. F. PROVINCE
8. NORTH BALUCHISTAN
9. SOUTH BALUCHISTAN
10. SIND

EAST PAKISTAN

1. EAST PAKISTAN (EAST)
2. EAST PAKISTAN (DELTAIC)
3. EAST PAKISTAN (NORTH)



RAINFALL FOR THE PERIOD FROM 1-6-1951 TO 26-9-1951



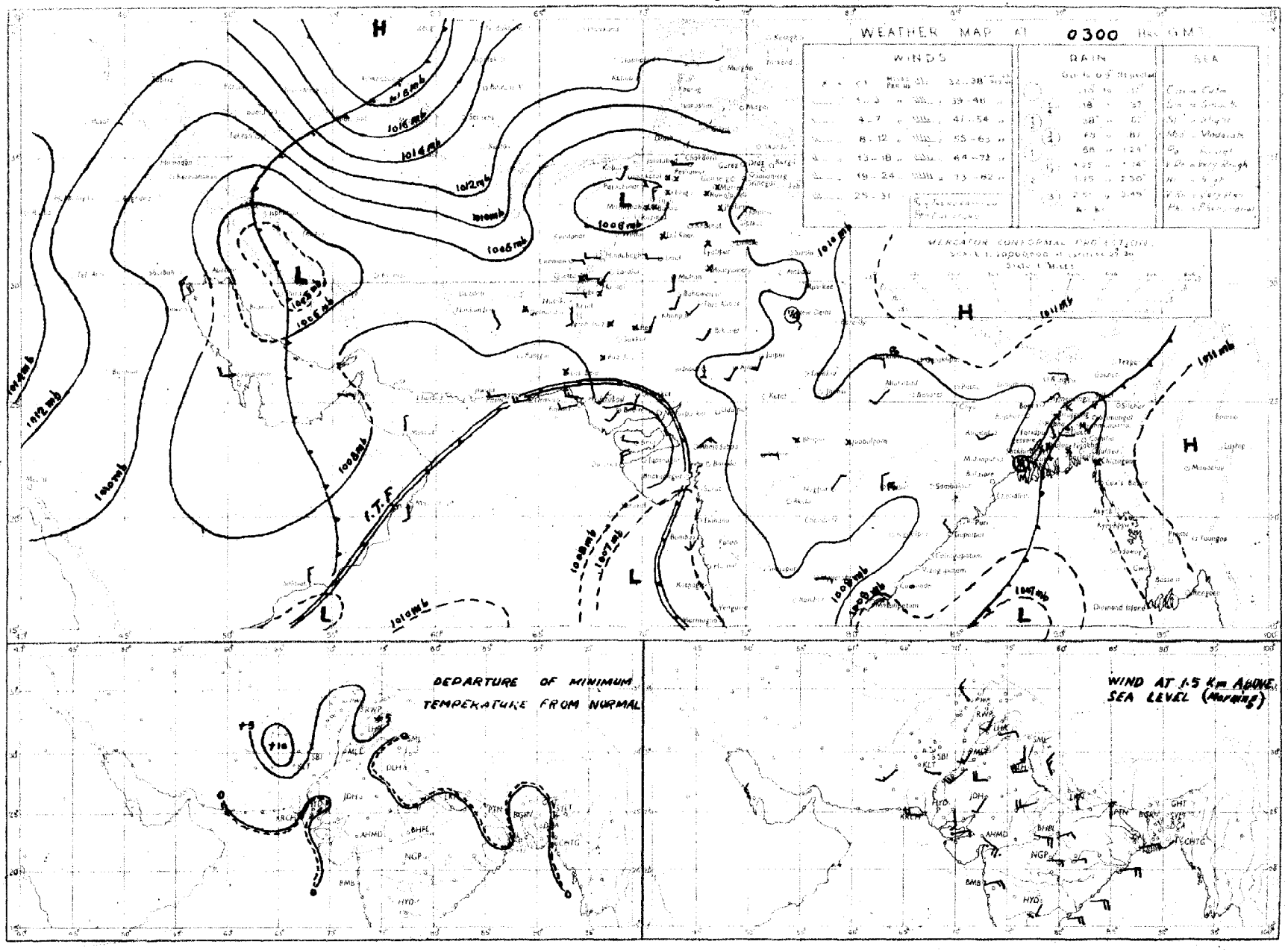
SCALE—256 MILES=1"

SCALE—130 MILES=1"

* Data not available.

PAKISTAN DAILY WEATHER MAP

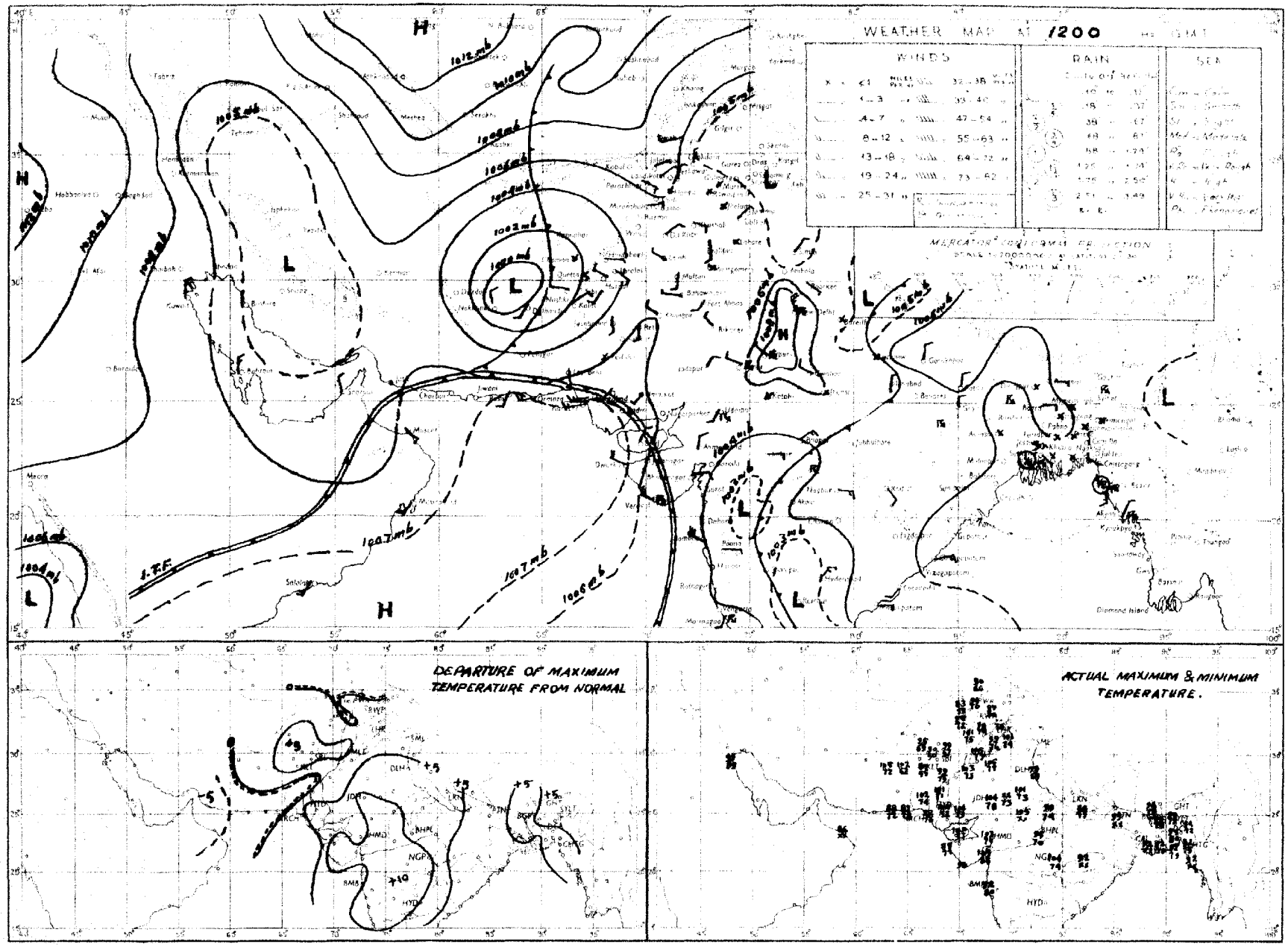
WEDNESDAY 26th. SEPTEMBER 1951



Rainfall amounts indicated in the above chart refer to past 24 hours

PAKISTAN DAILY WEATHER MAP

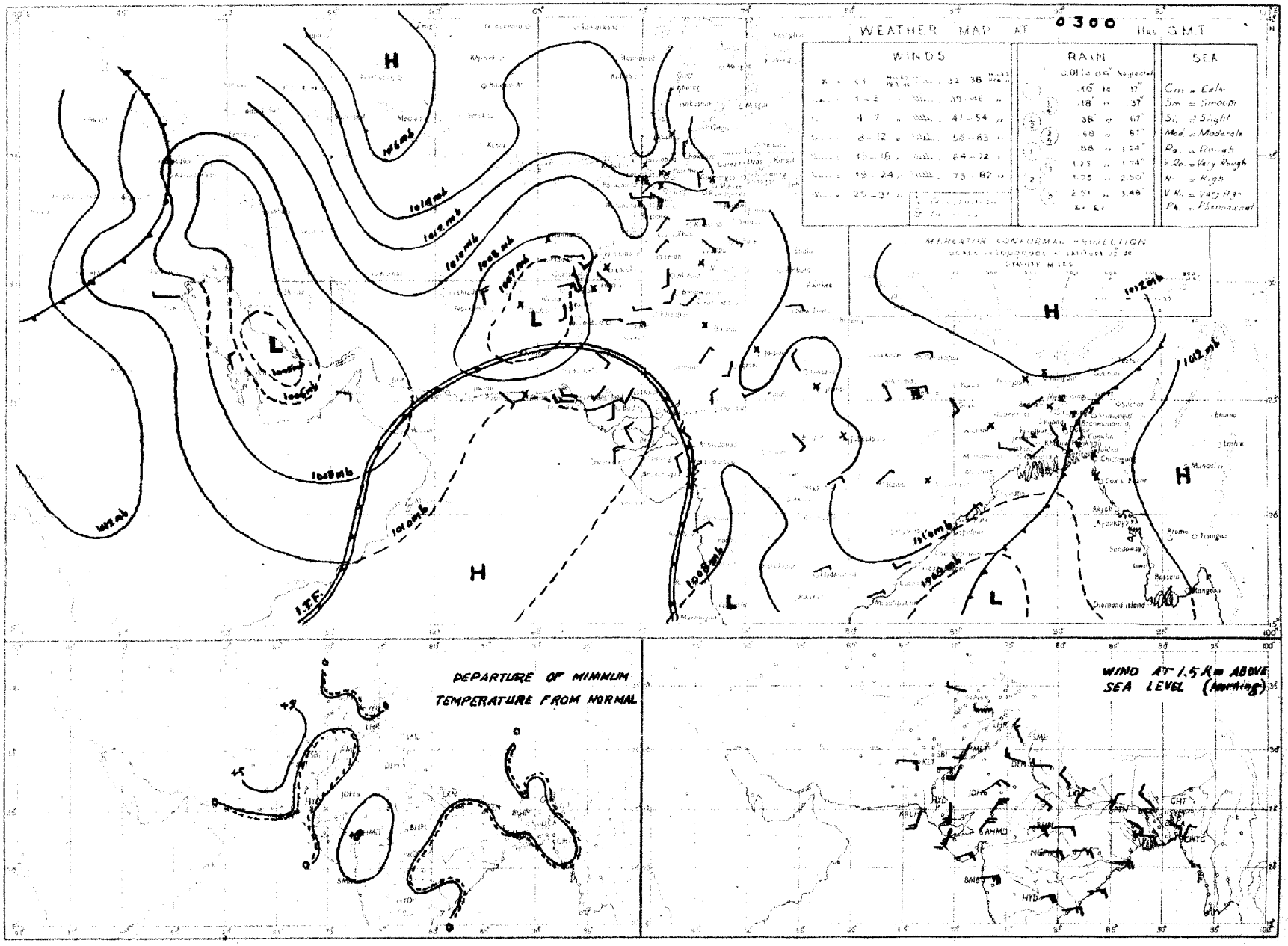
TUESDAY 25th. SEPTEMBER 1951.



Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER MAP

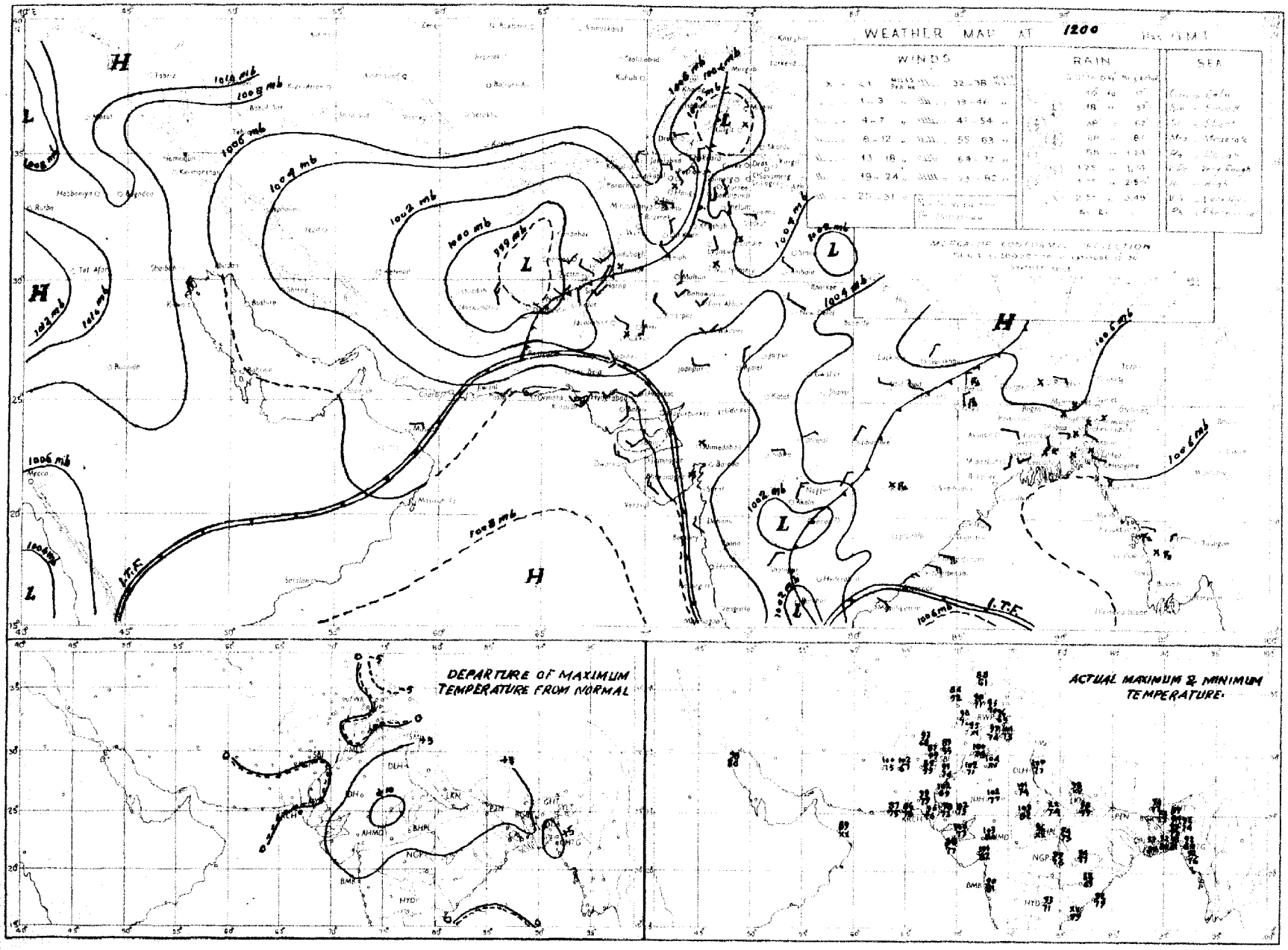
TUESDAY 25th. SEPTEMBER 1951



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

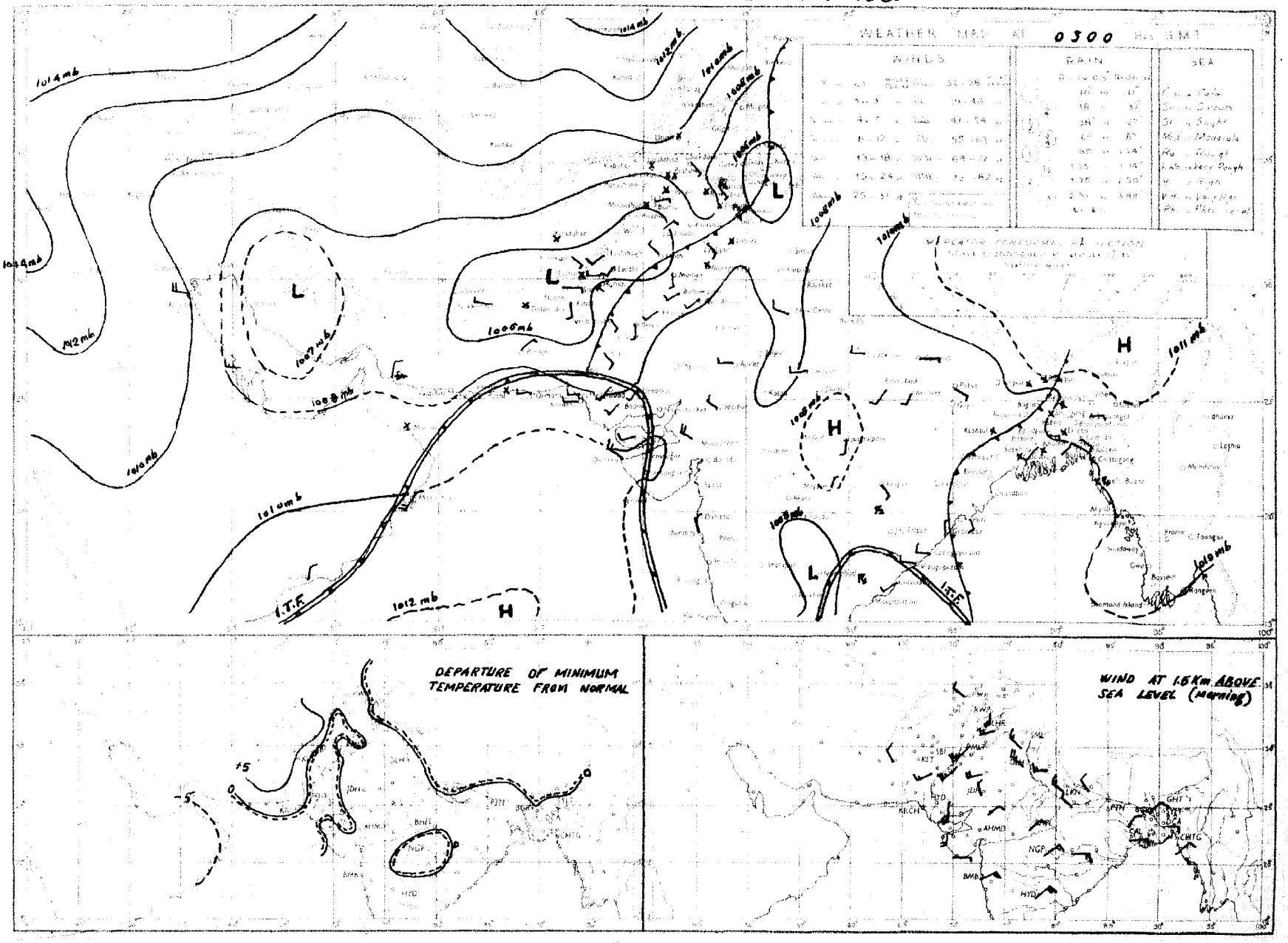
MONDAY 24th. SEPTEMBER 1951.



Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER MAP

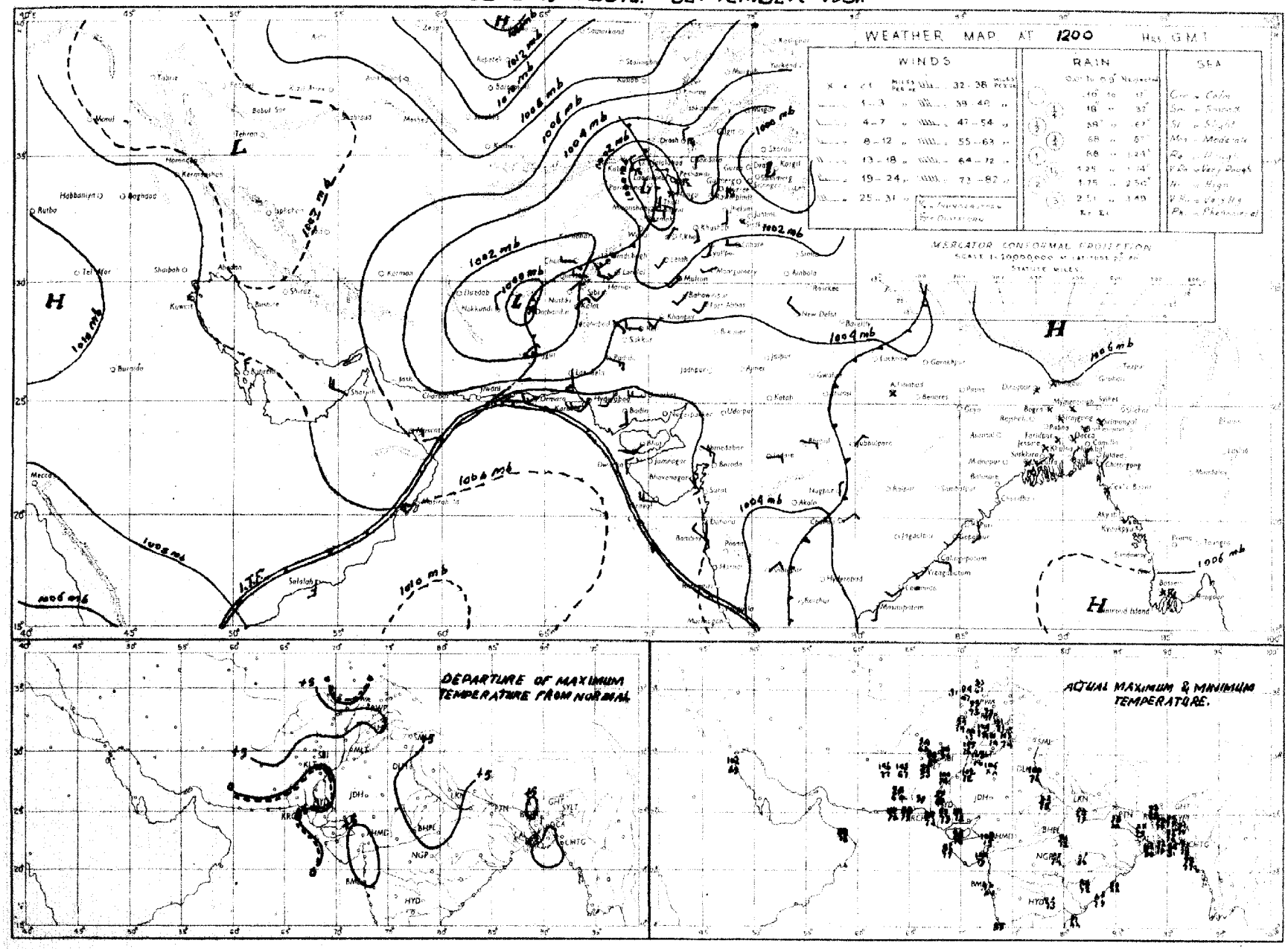
MONDAY 24th SEPTEMBER 1951



Rainfall amounts indicated in the above chart refer to past 24 hours

PAKISTAN DAILY WEATHER MAP

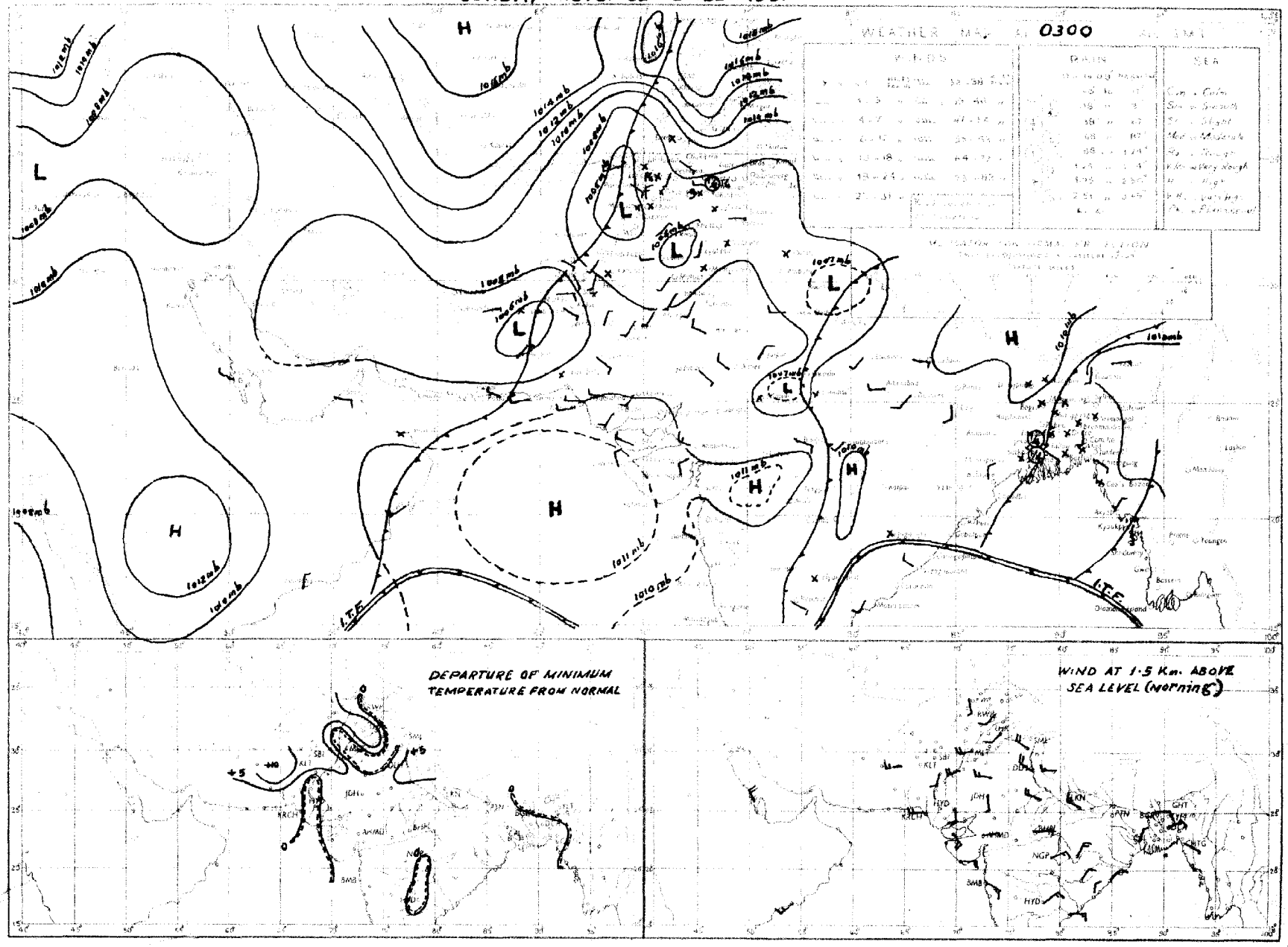
SUNDAY 23rd. SEPTEMBER 1951.



Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER MAP

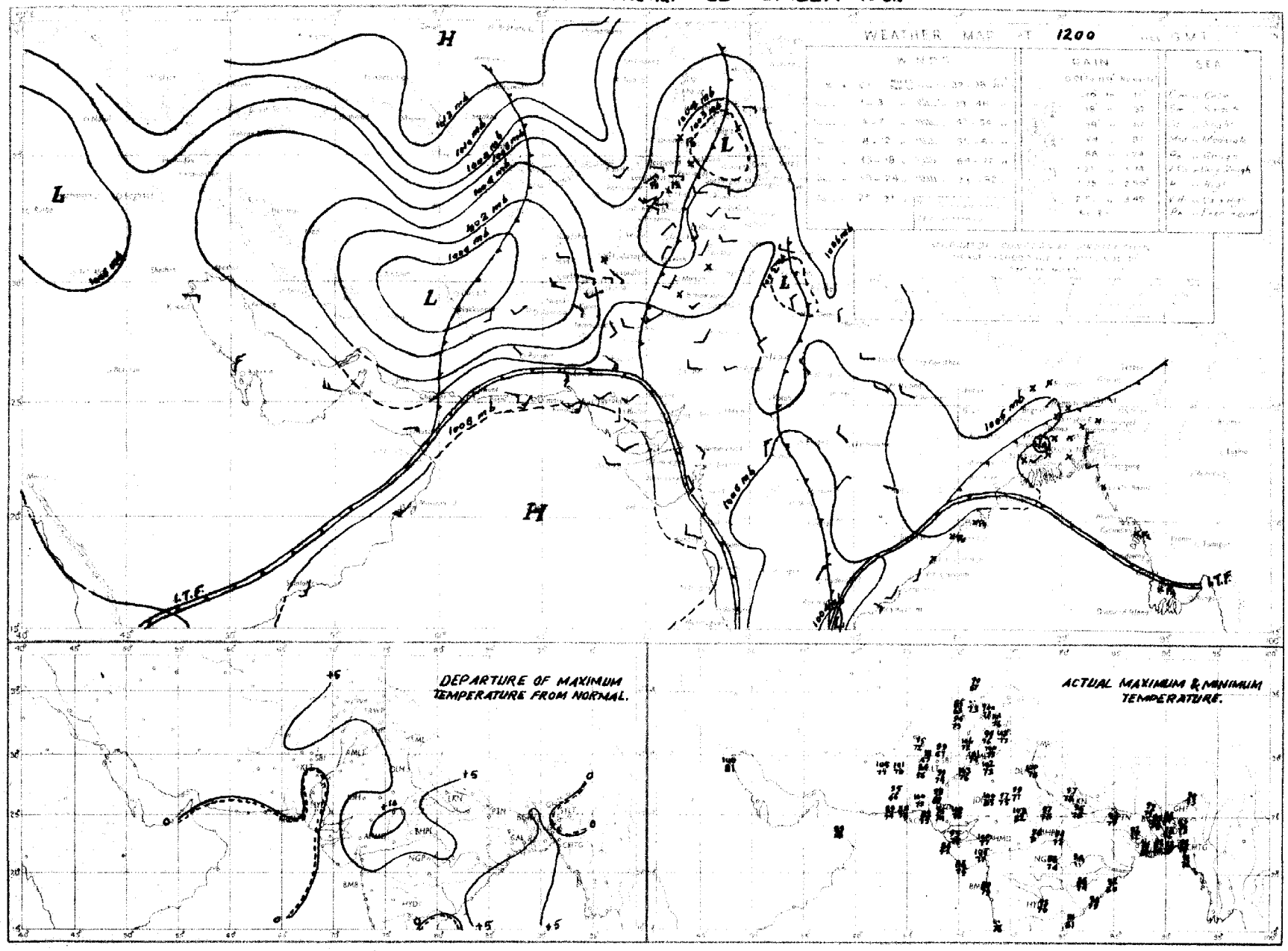
SUNDAY 23rd: SEPTEMBER 1951



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

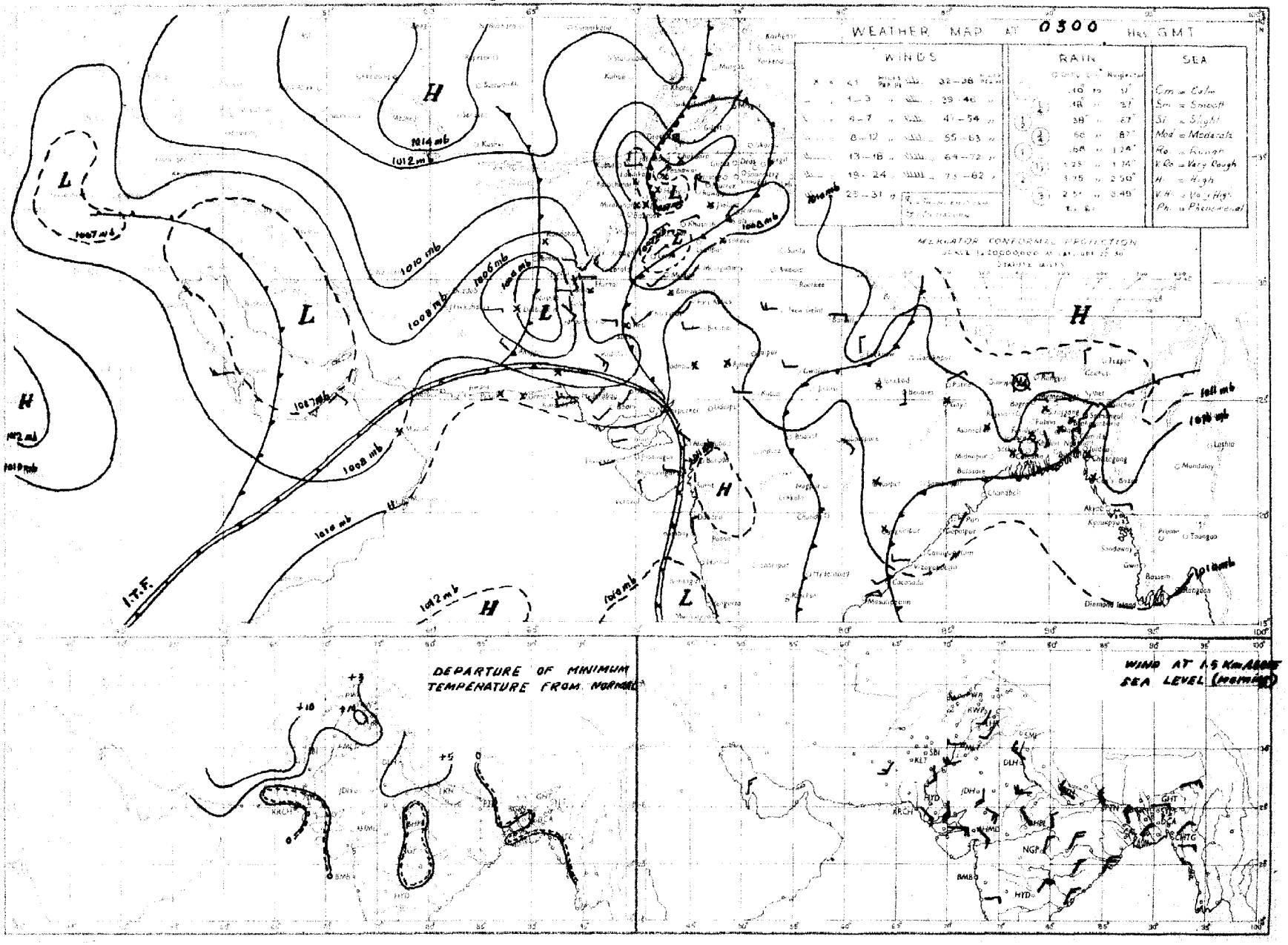
SATURDAY 22nd. SEPTEMBER 1951.



Rainfall amounts indicated in the above chart refer to past 9 hours

PAKISTAN DAILY WEATHER MAP

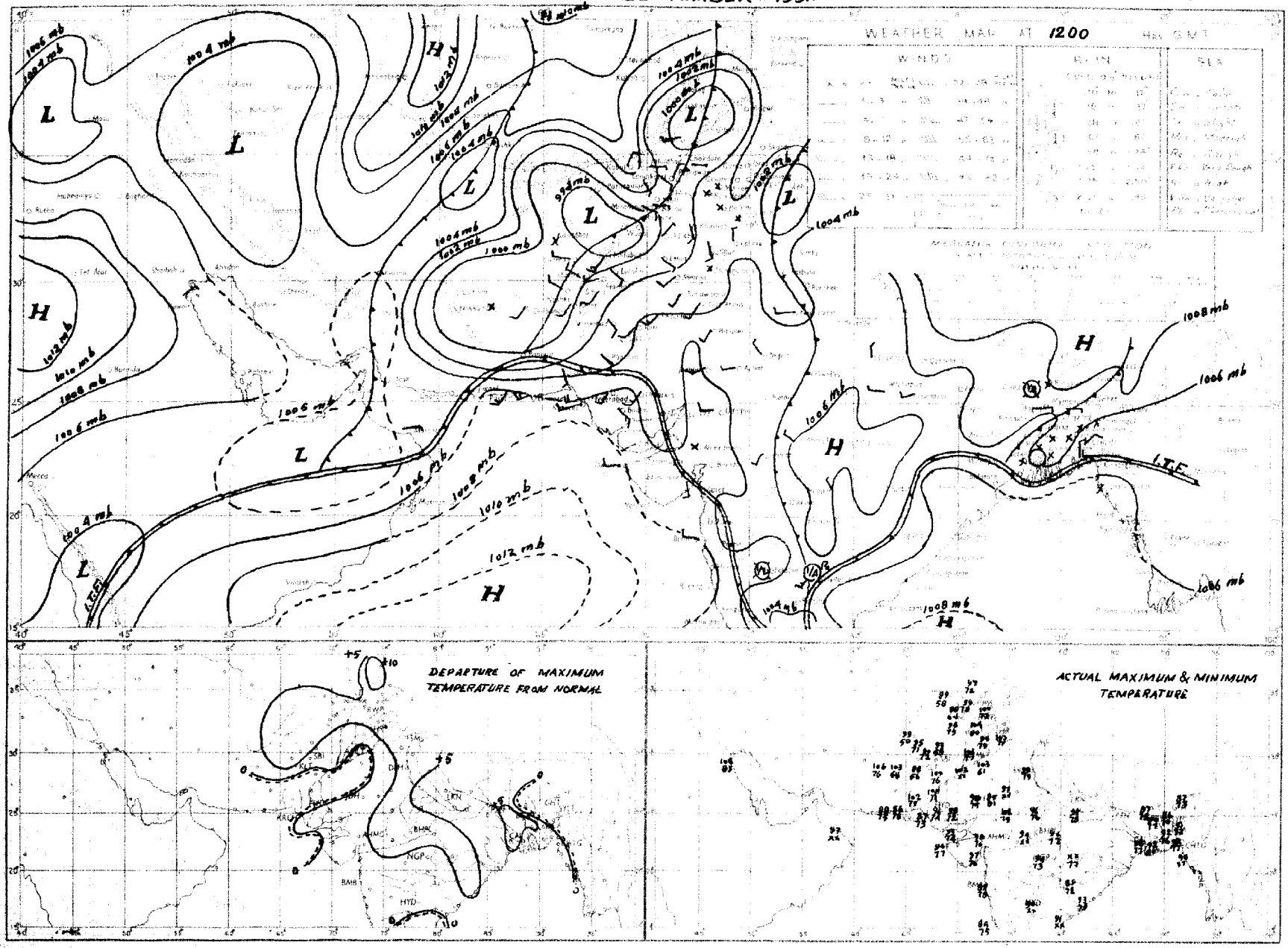
SATURDAY 22nd. SEPTEMBER 1951



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

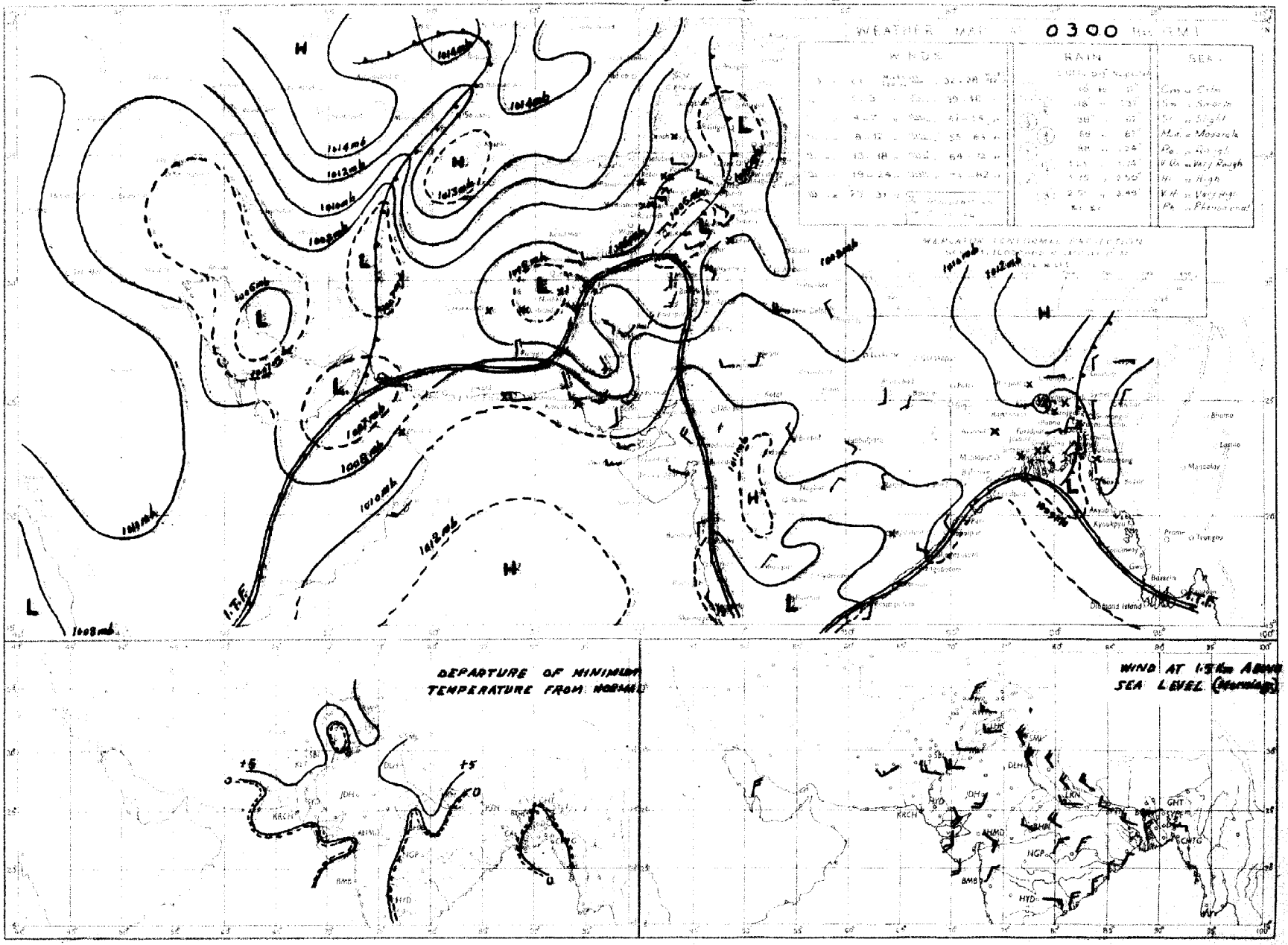
FRIDAY 21st SEPTEMBER 1951.



Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER MAP

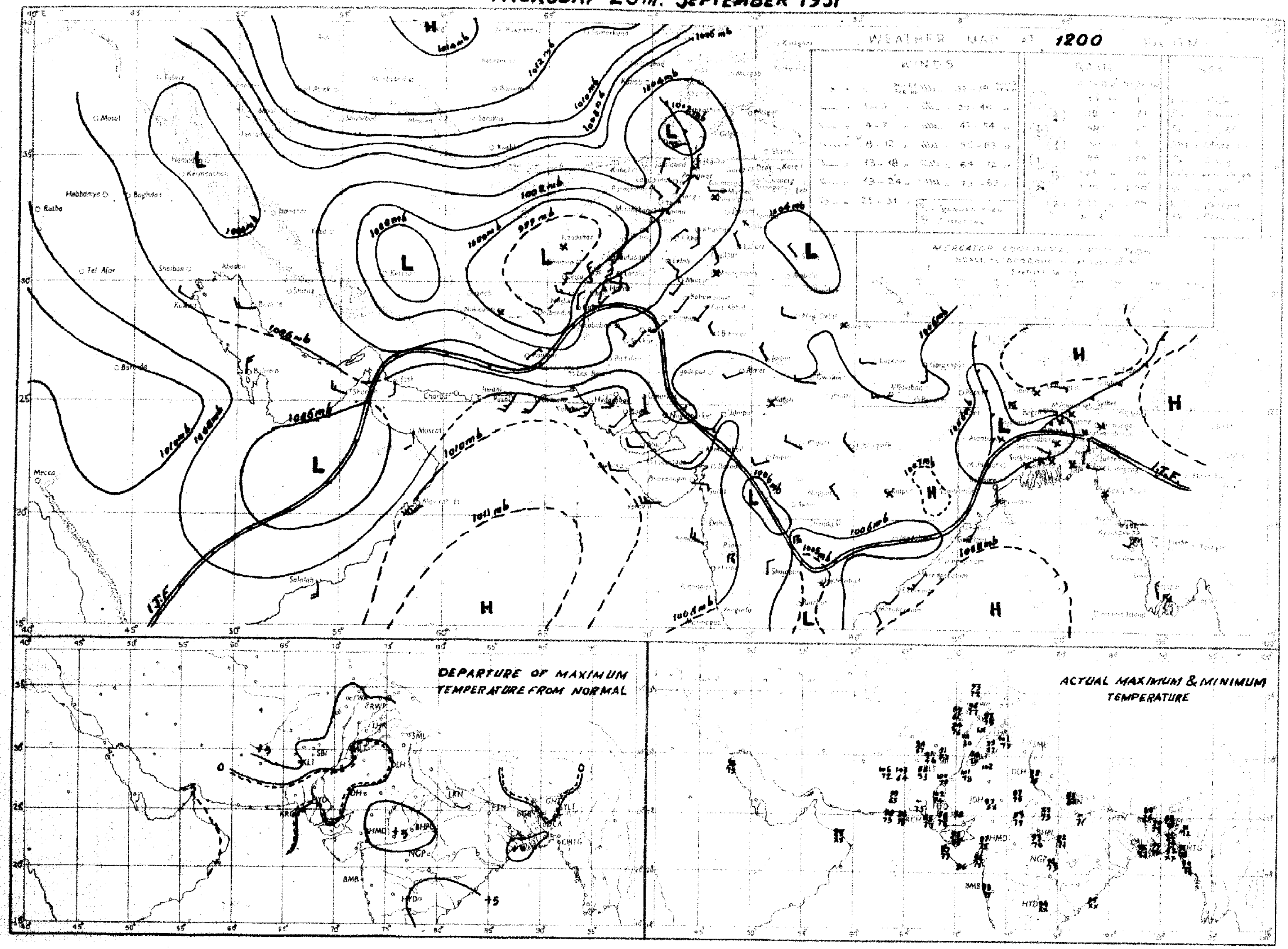
FRIDAY 21st SEPTEMBER 1951



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

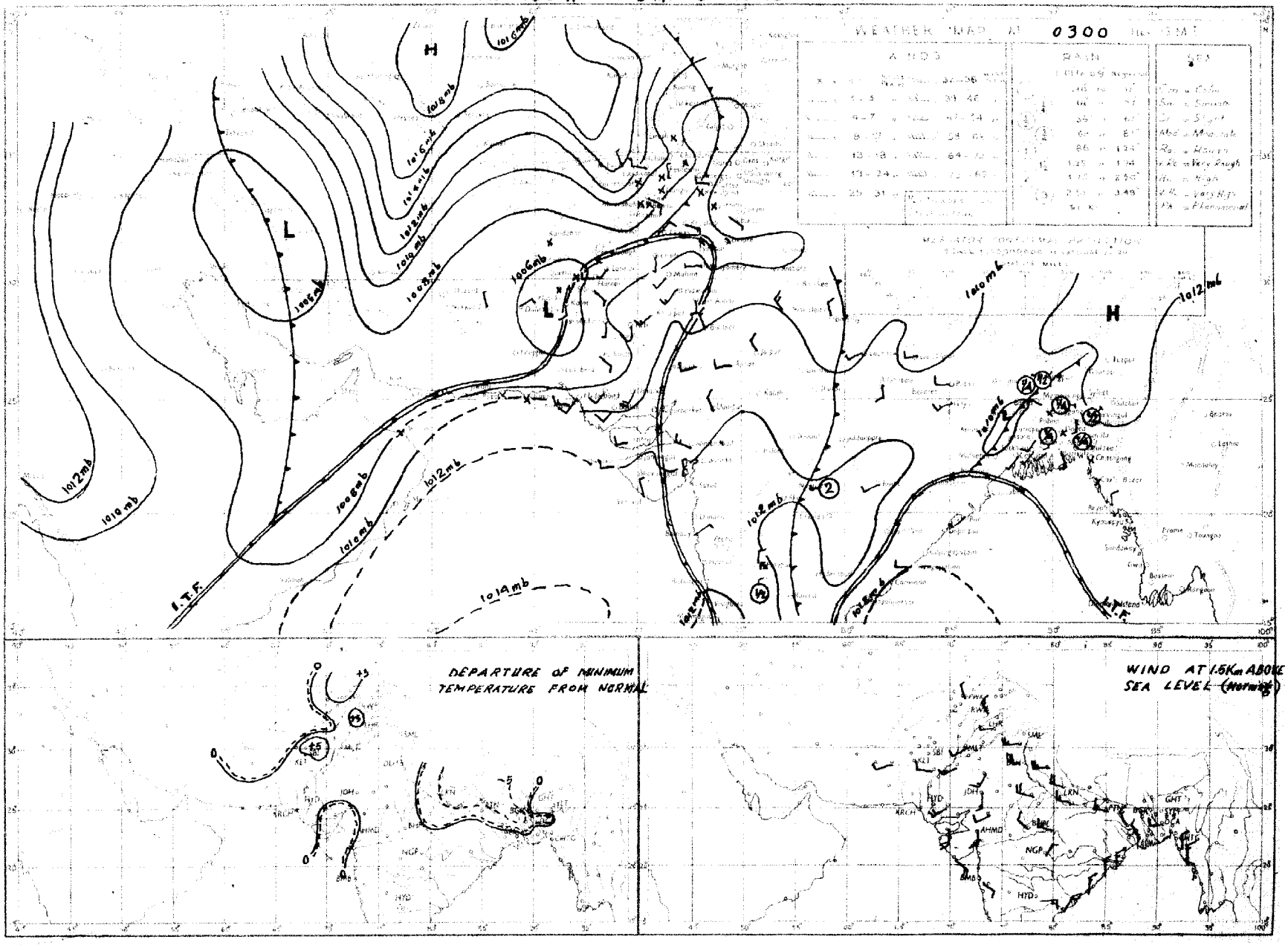
THURSDAY 20th: SEPTEMBER 1951



Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER MAP

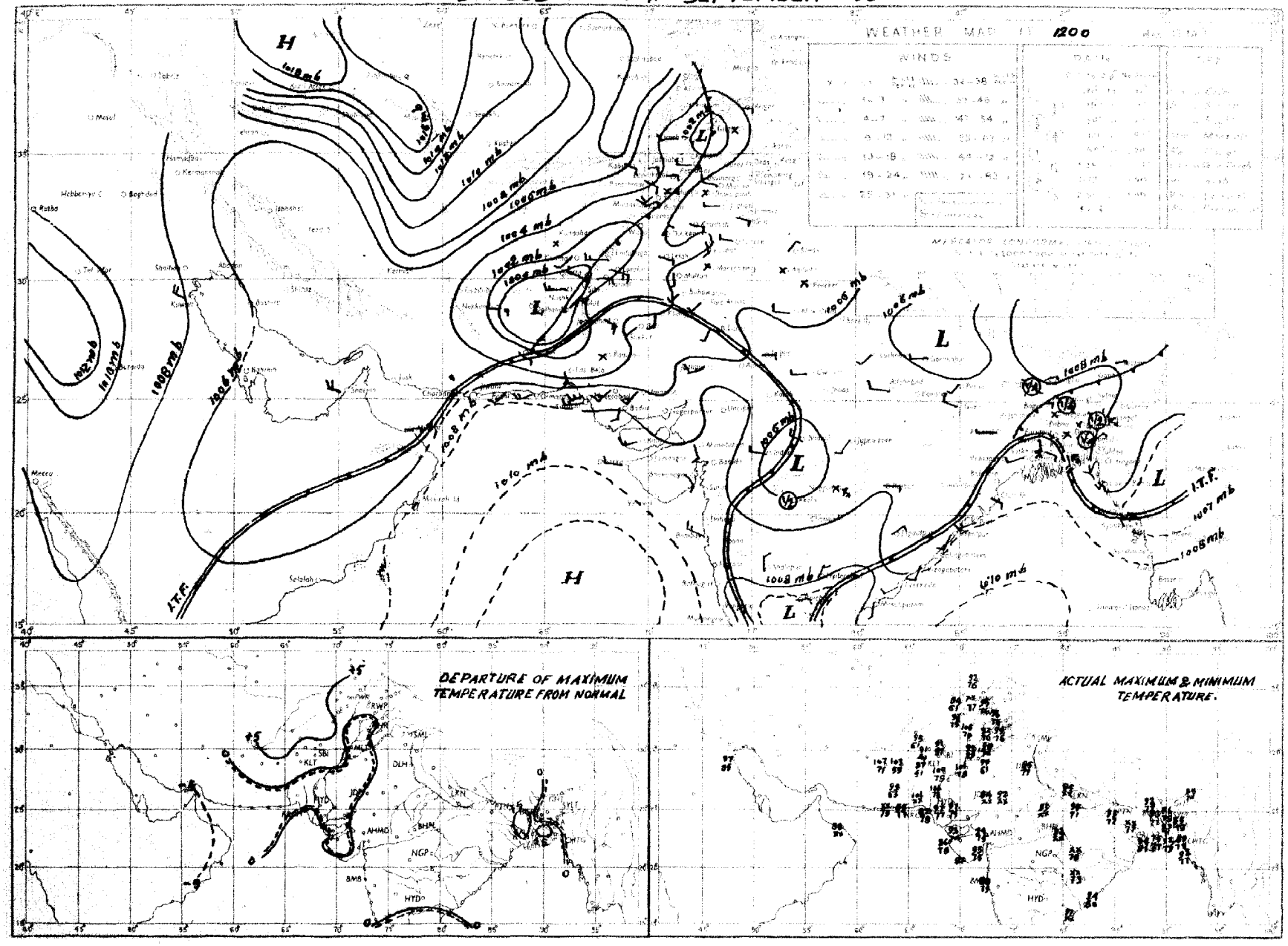
THURSDAY 20th. SEPTEMBER 1951



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

WEDNESDAY 19th. SEPTEMBER 1951.



Rainfall amounts indicated in the above chart refer to past 9 hours.

Regd. No. S-1451.

WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G. M. T. on Wednesday, the 3rd October, 1951.

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—o:O:o—

SUMMARY OF WEATHER.

A trough of low which had appeared in the Central and south Bay of Bengal on the last day of the previous week, concentrated into a depression by the 28th morning with its centre within one degree latitude 13°N and longitude 83°E. The depression moving in a northnortheasterly direction crossed Orissa coast on the night of the 1st and lay as a low over Orissa and the adjoining Bengal on the 2nd. It became diffused thereafter. With the formation and movement of the depression, monsoon was weak in East Pakistan on the first three days and active thereafter. A few stations in the southern districts of East Pakistan reported copious falls on the last two days.

Simultanious with the Bay depression the associated trough of low which was persisting off Konkan and Kanara coasts from the 26th till 28th and extending from Kathiawar to east Arabian Sea on the 29th, concentrated into a shallow depression off Konkan-Kathiawar coast on the 30th. This depression became unimportant on the last day of the week. It was responsible for heat spell in lower Sind and south Baluchistan where the day temperatures were markedly to considerably above normal between the 28th and the 1st. They were also appreciably to markedly above normal in West Pakistan on the 26th, 27th and the 2nd.

In East Pakistan the day temperatures were appreciably to markedly above normal on the 26th and 27th and appreciably to markedly below normal on the 1st and 2nd.

Low pressure waves moving eastwards across Russian Turkistan caused a few thunderstorms and light rain in the North-West Frontier Province on the 29th, 1st and 2nd.

Some of the noteworthy amounts of rainfall recorded during the week were:- Cox's Bazar 1", Satkhira ½" on the 27th; Barisal ½" and Jessore ¼" on the 28th; Comilla 3", Satkhira 1" and Narayanganj ½" on the 30th; Cox's Bazar and Narayanganj 2" each, Chittagong 1½", Satkhira 1", Sirajganj and Dinajpur ¾" each and Noakhali and Parachinar ½" each on the 1st; Chittagong 10", Noakhali and Comilla 3" each, Narayanganj, Mymensingh and Barisal 2" each, Srimangal 1½" and Sirajganj 1" on the 2nd; Cox's Bazar 7", Noakhali, Comilla and Mymensingh 3" each, Srimangal 2", Brahmanbaria 1½" and Sirajganj ¾" on the 3rd.

2. EAST PAKISTAN: Rainfall was nearly general on three days in the Eastern sub-division and on one day each in the Deltaic and Northern sub-divisions. It occurred locally on four days in the Deltaic sub-division, on two days in the Northern sub-division and on one day in the Eastern sub-division. A few falls were also recorded on two days in the Eastern sub-division and on one day in the Deltaic sub-division.

KASHMIR: Data not available.

PUNJAB: Weather remained dry.

NORTH-WEST FRONTIER PROVINCE: A few falls were recorded on three days.

BALUCHISTAN: Weather continued dry.

SIND: Weather continued dry.

JUNAGADH: Data not available.

3. The week's rainfall was in large excess in the Eastern sub-division, normal in the Deltaic sub-division and deficient in the Northern sub-division of East Pakistan. No rain fell in West Pakistan.

Rainfall for the period from 1st June, 1951 to date was normal in East Pakistan. It was deficient in the north Punjab and Baluchistan and scanty elsewhere.

4. The table overleaf summarises the rainfall statistics for the eleven sub-divisions of Pakistan both for the week and for the period from 1st June, 1951 to date.

KARACHI-11.
The 3rd October, 1951.

MOHAMMAD SHABBAR.
for Director, Meteorological Service.

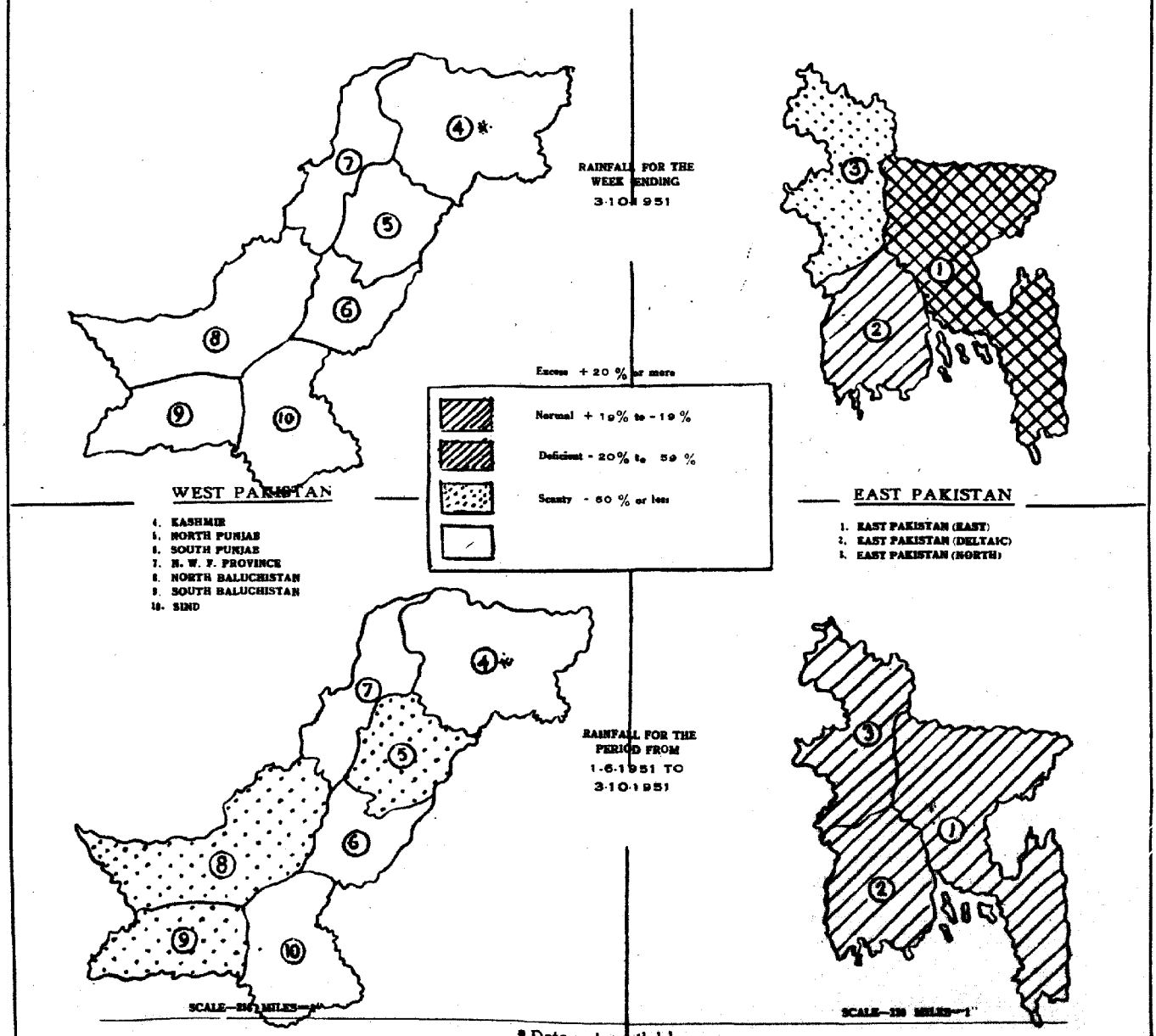
WEEKLY WEATHER REPORT

Division	Rainfall for week ending on 3rd October, 1951.			Rainfall for period from 1-6-1951 to 3rd October, 1951.			
	Actual †	Normal	Excess or defect	Actual †	Normal	* Excess or defect	
						Inches	Per cent
1	2	3	4	5	6	7	8
1. East Pakistan (East)	6.7	2.1	+4.5	76.6	67.8	+ 8.8	+ 13
2. East Pakistan (Deltaic)	1.8	1.5	+0.3	40.4	49.0	- 8.6	- 18
3. East Pakistan (North)	1.0	1.9	- 0.9	48.7	53.9	- 5.2	- 9
4. Kashmir ††	....	....	....	....	....	....	....
5. North Punjab	0	0.2	- 0.2	9.1	16.2	- 7.1	- 44
6. South Punjab	0	0.1	- 0.1	1.9	5.3	- 3.5	- 65
7. N. W. F. P.	0	0.1	- 0.1	2.0	4.9	- 2.9	- 60
8. North Baluchistan	0	0	- 0	1.3	2.8	- 1.5	- 52
9. South Baluchistan	0	0	0	0.6	1.0	- 0.4	- 38
10. Sind	0	0	- 0	1.9	5.4	- 3.5	- 64
11. Junagadh ††	....	....	....	....	....	....	....

* In the calculation of excesses and defects, and their percentages, rainfall figures are taken correct to 0·01".

† Rainfall of stations having no normals is not included.

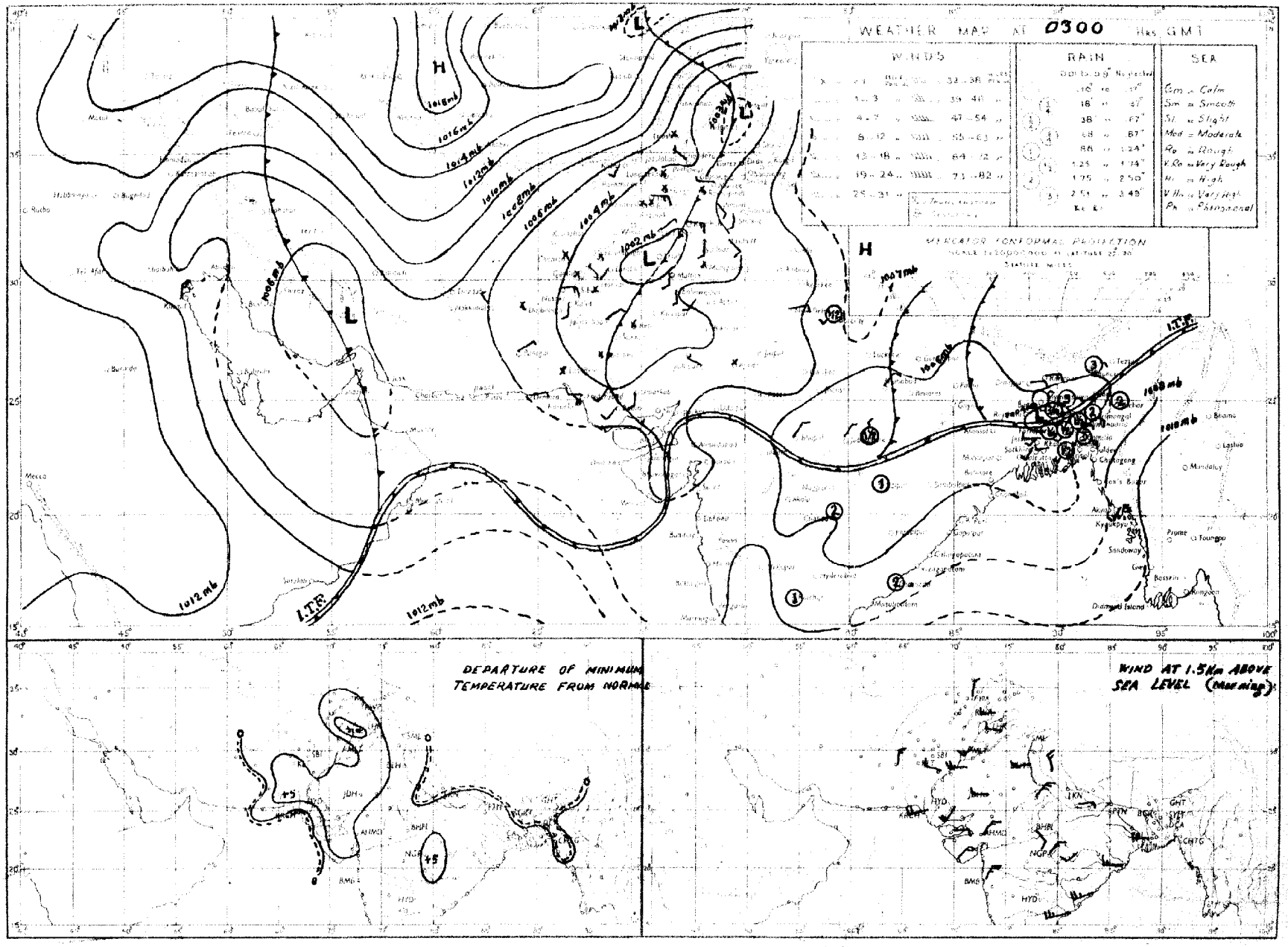
†† Data not available



* Data not available.

PAKISTAN DAILY WEATHER MAP

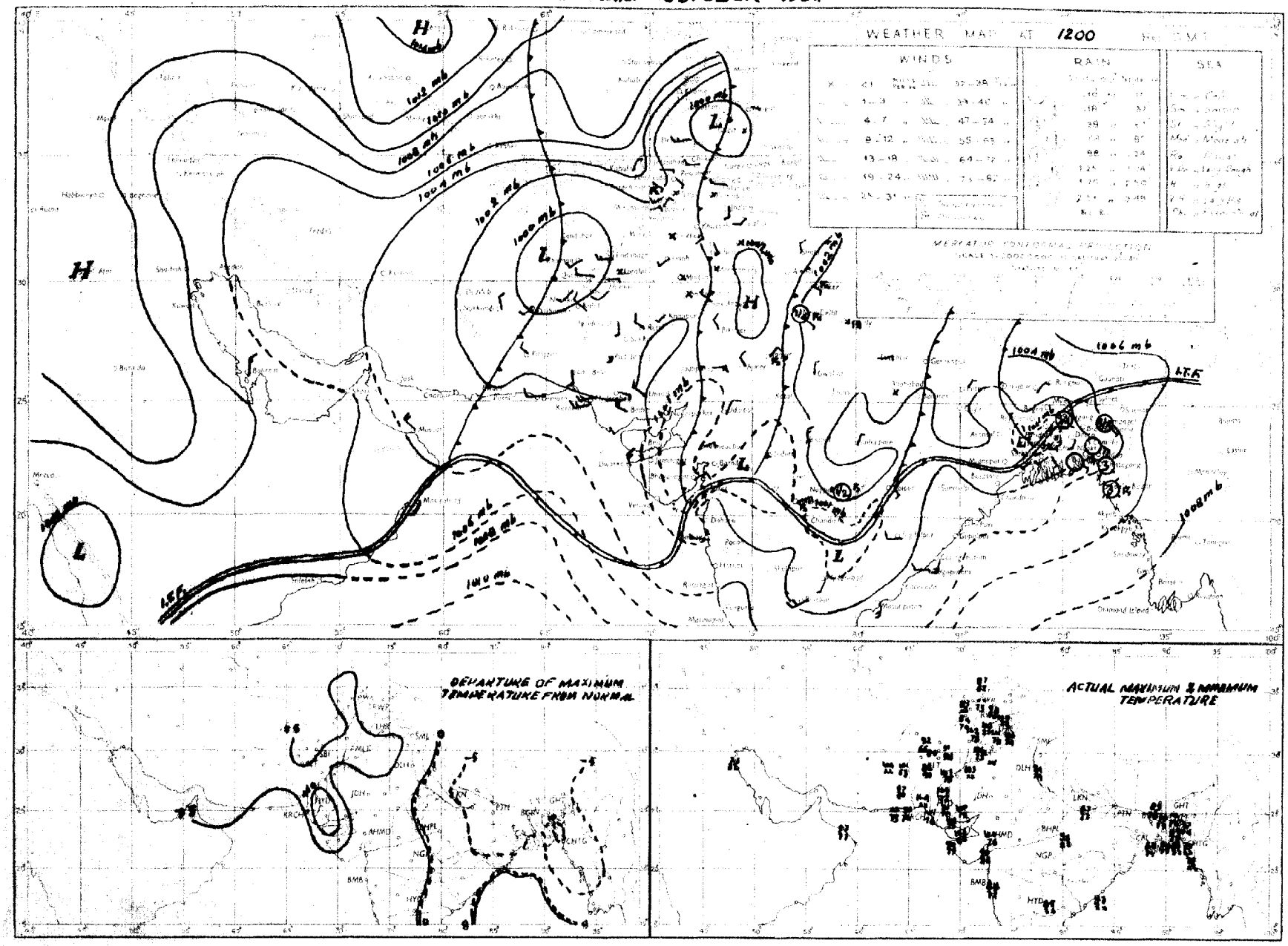
WEDNESDAY 3rd: OCTOBER 1951



Rainfall amounts indicated in the above chart refer to past 24 hours

PAKISTAN DAILY WEATHER MAP

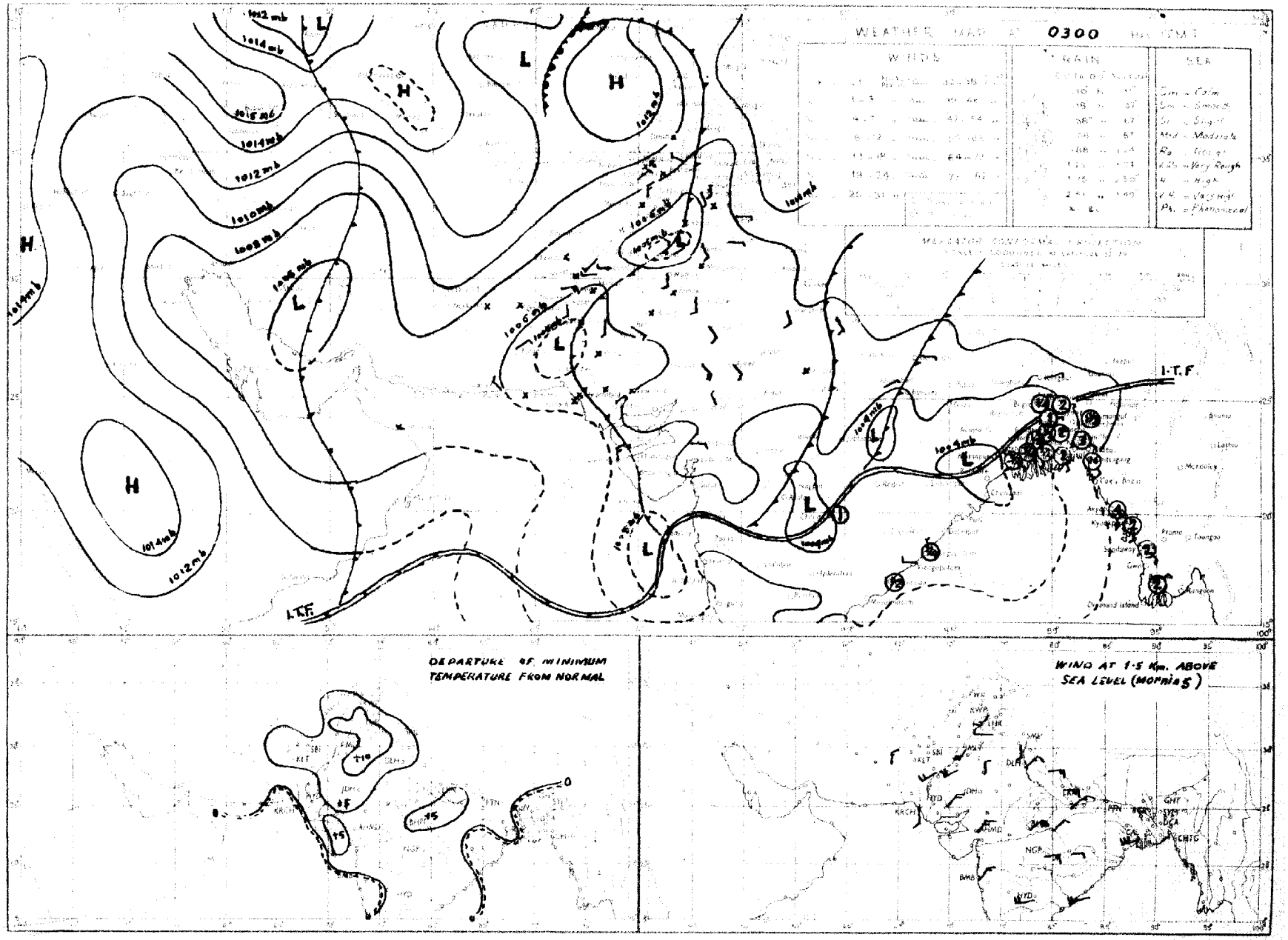
TUESDAY 2nd. OCTOBER 1951



Rainfall amounts indicated in the above chart refer to past 9 hours.

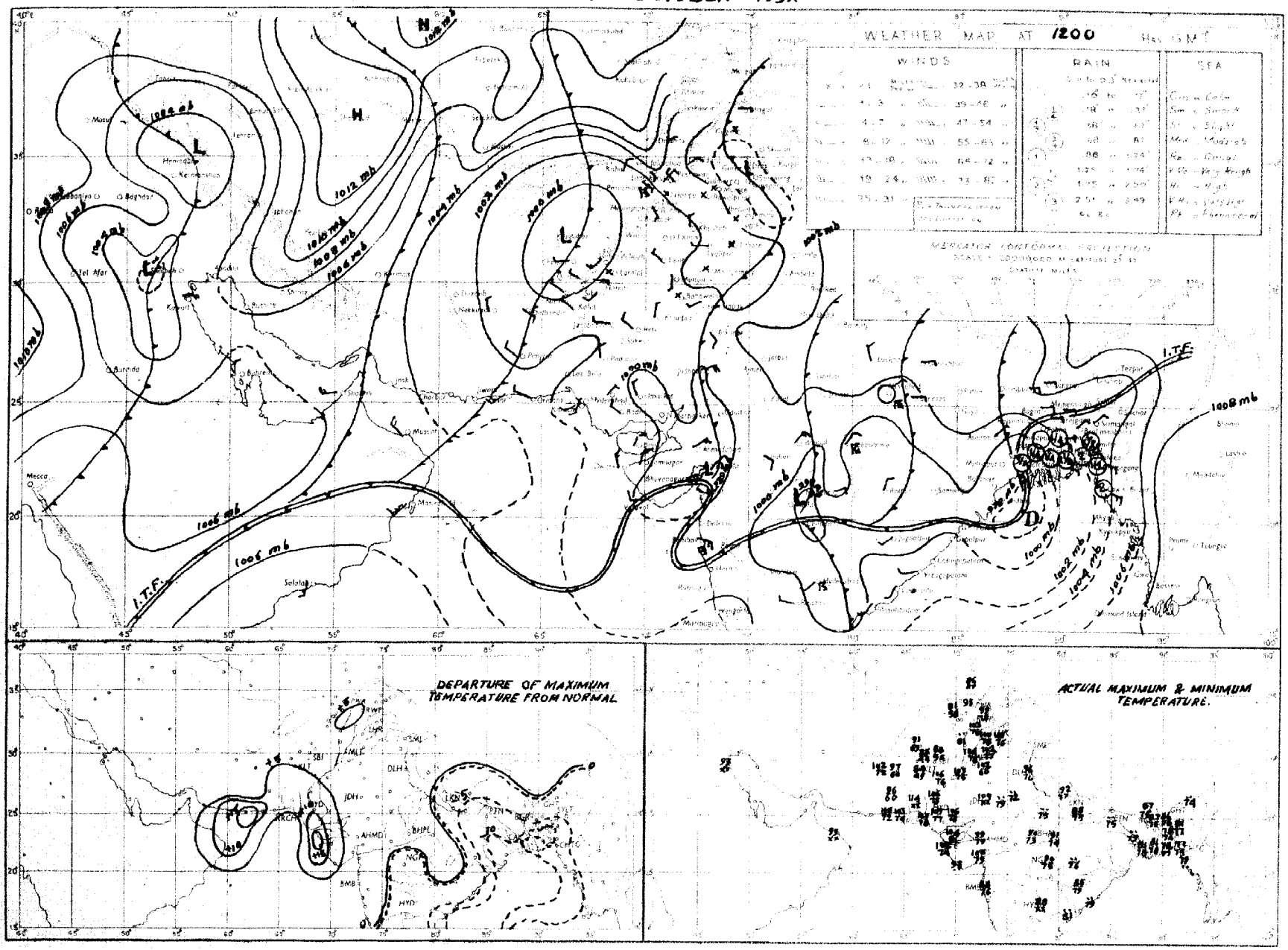
PAKISTAN DAILY WEATHER MAP

TUESDAY 2nd: OCTOBER 1951



PAKISTAN DAILY WEATHER MAP

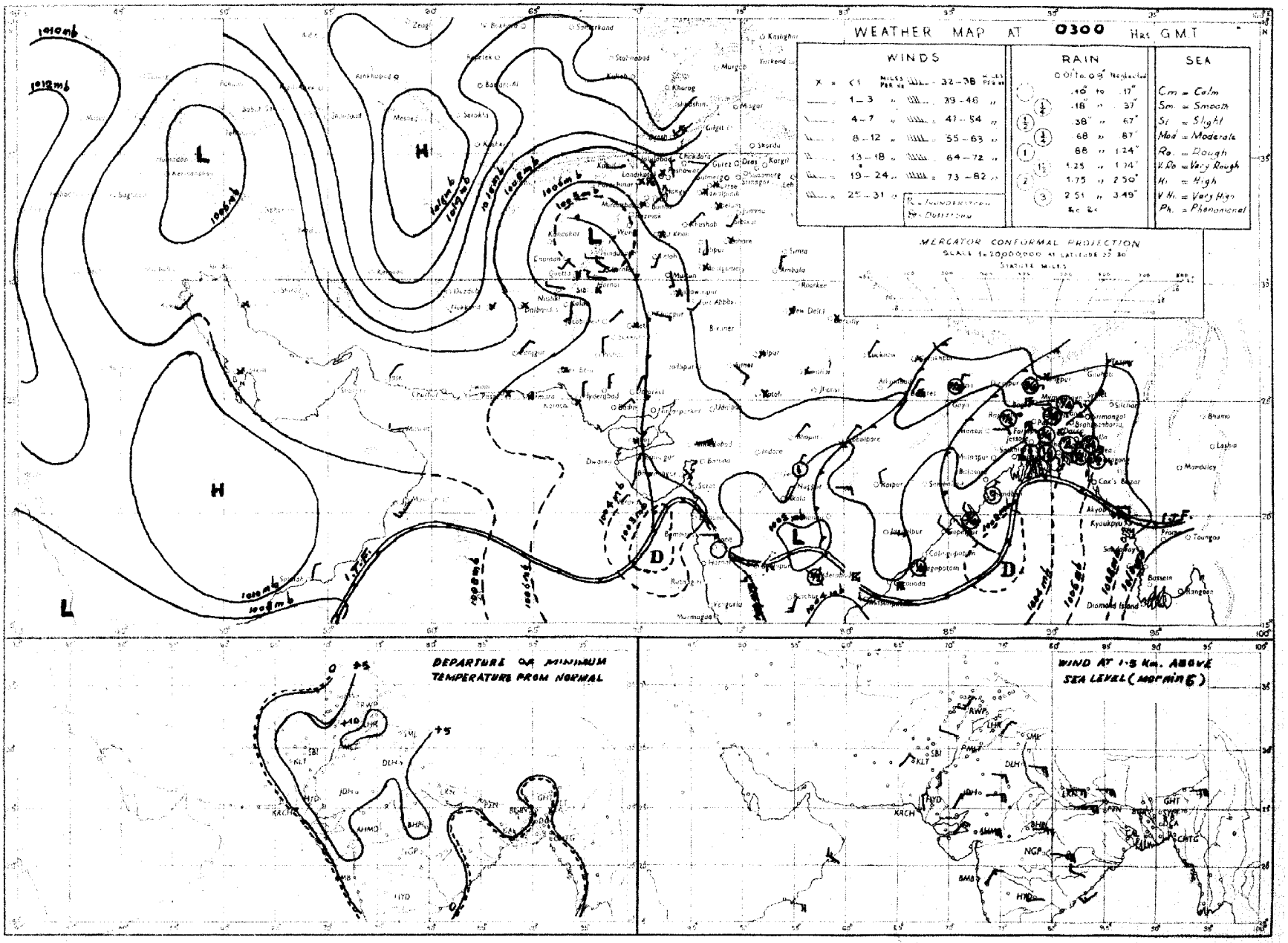
MONDAY 1st OCTOBER 1951.



Rainfall amounts indicated in the above chart refer to past 9 hours

PAKISTAN DAILY WEATHER MAP

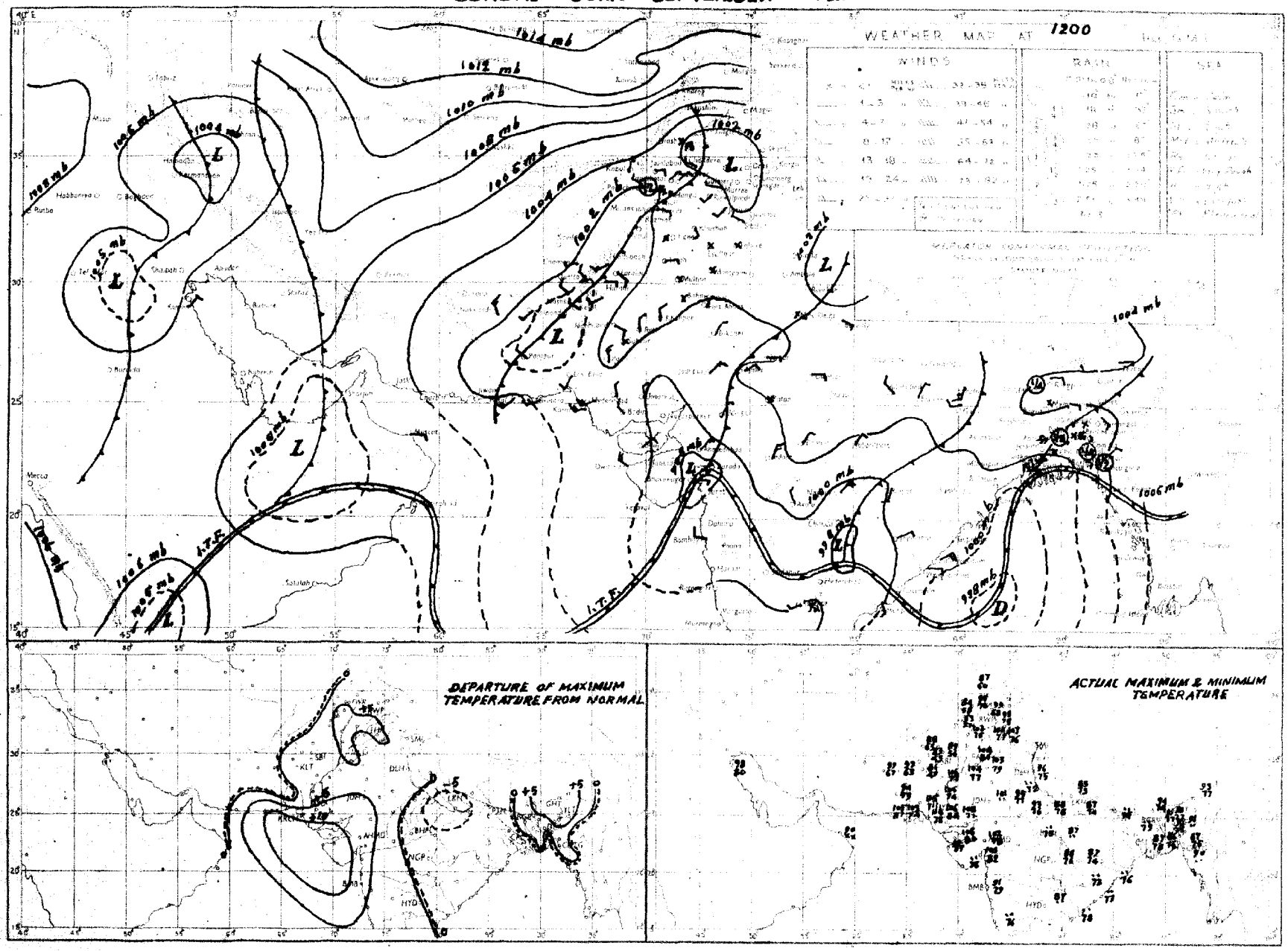
MONDAY 1st OCTOBER 1951.



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

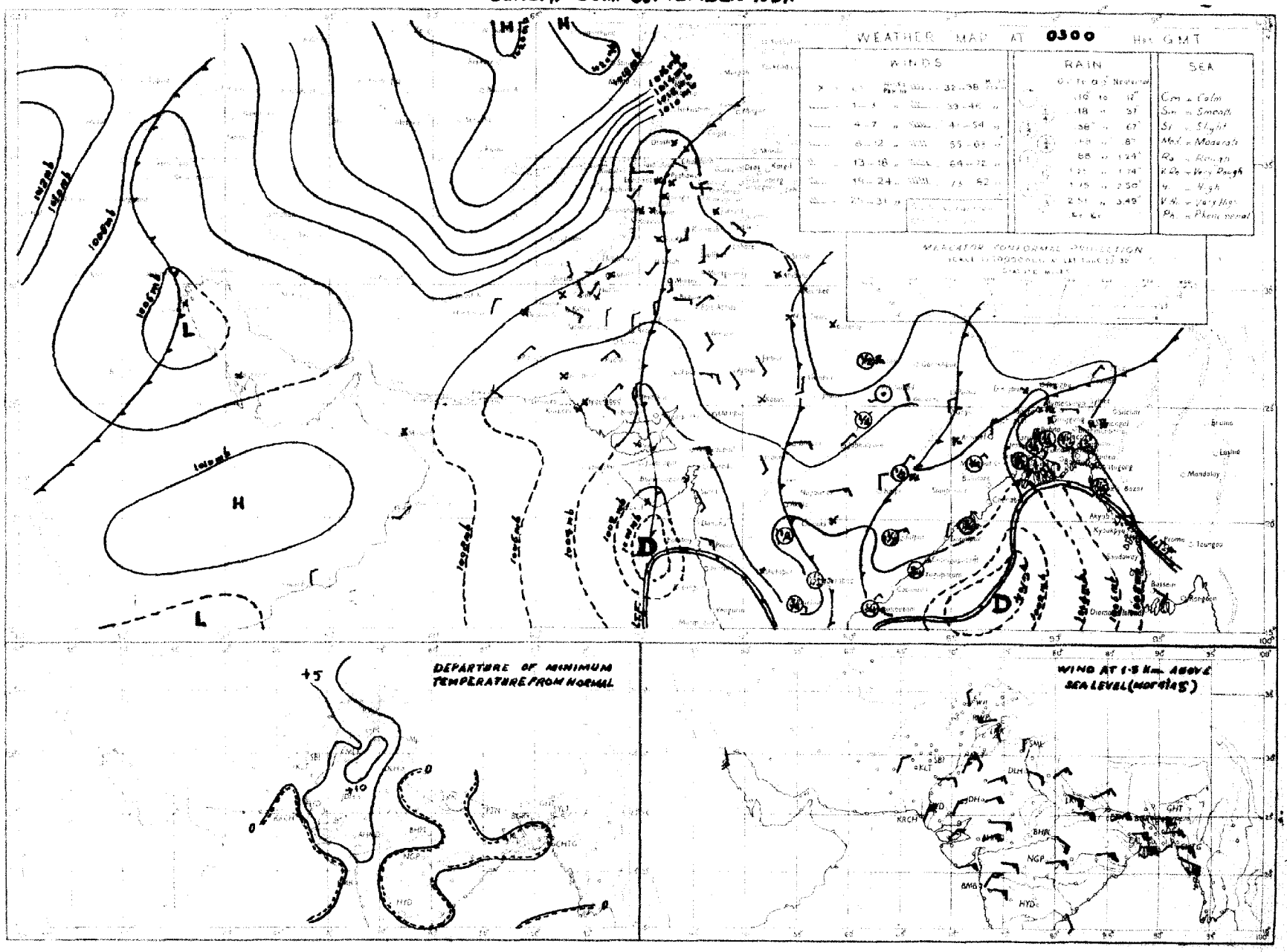
SUNDAY 30th. SEPTEMBER 1951.



Rainfall amounts indicated in the above chart refer to past 9 hours

PAKISTAN DAILY WEATHER MAP

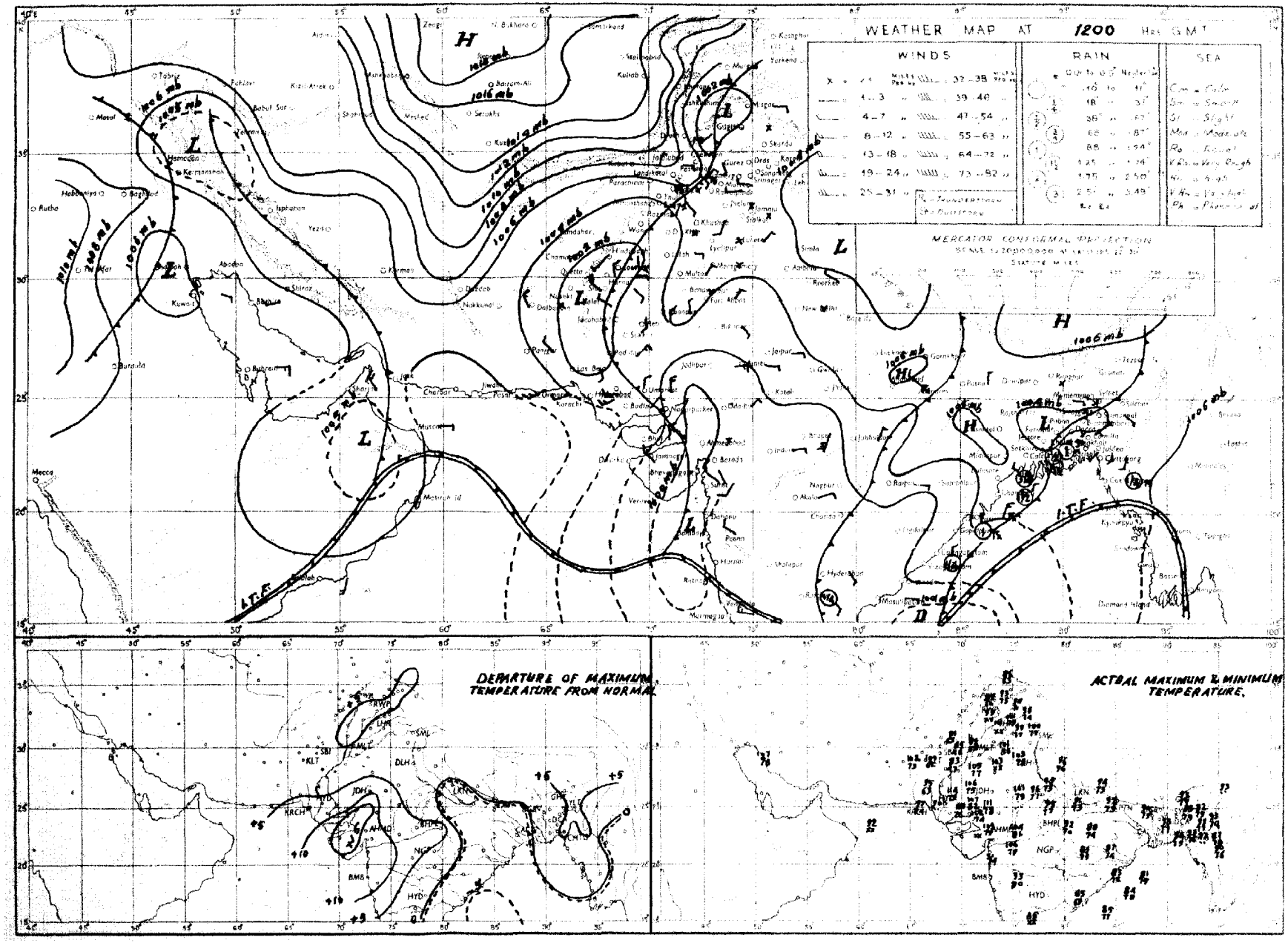
SUNDAY 30th: SEPTEMBER 1951.



Rainfall amounts indicated in the above chart refer to past 24 hours

PAKISTAN DAILY WEATHER MAP

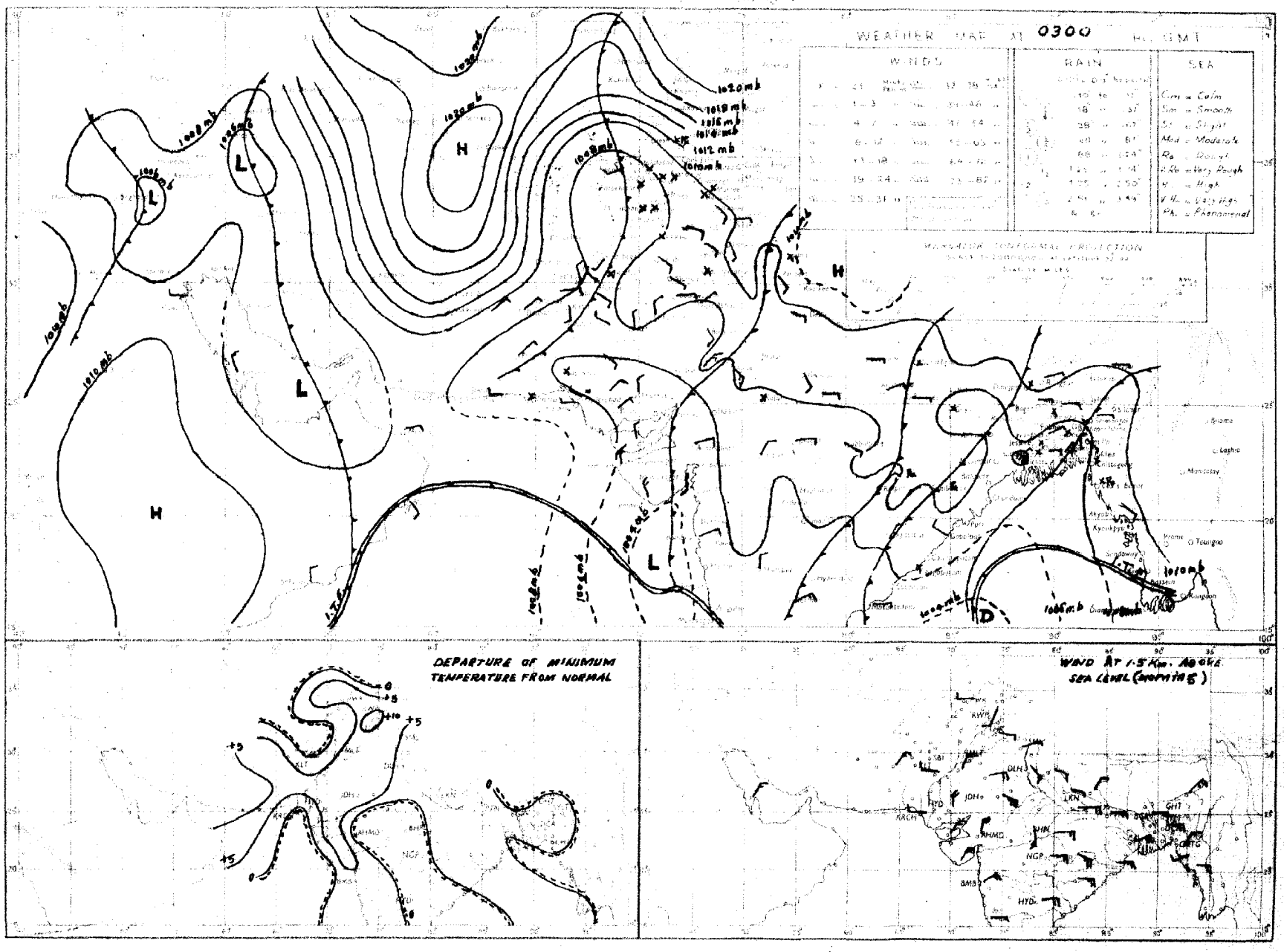
SATURDAY 29th SEPTEMBER 1951.



Rainfall amounts indicated in the above chart refer to past 3 hours.

PAKISTAN DAILY WEATHER MAP

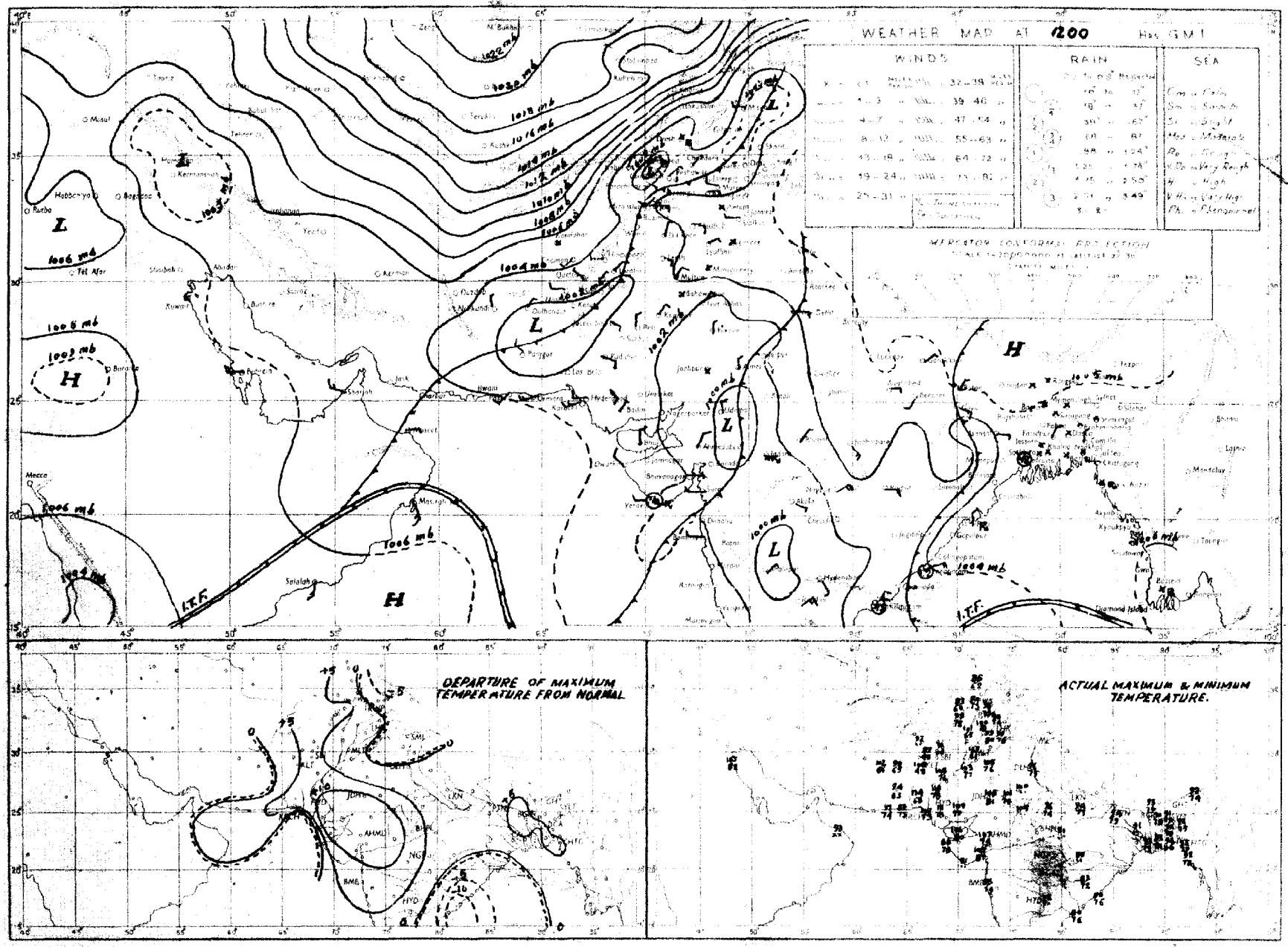
SATURDAY 29th: SEPTEMBER 1951.



Rainfall amounts mentioned in the above chart refer to past 24 hours

PAKISTAN DAILY WEATHER MAP

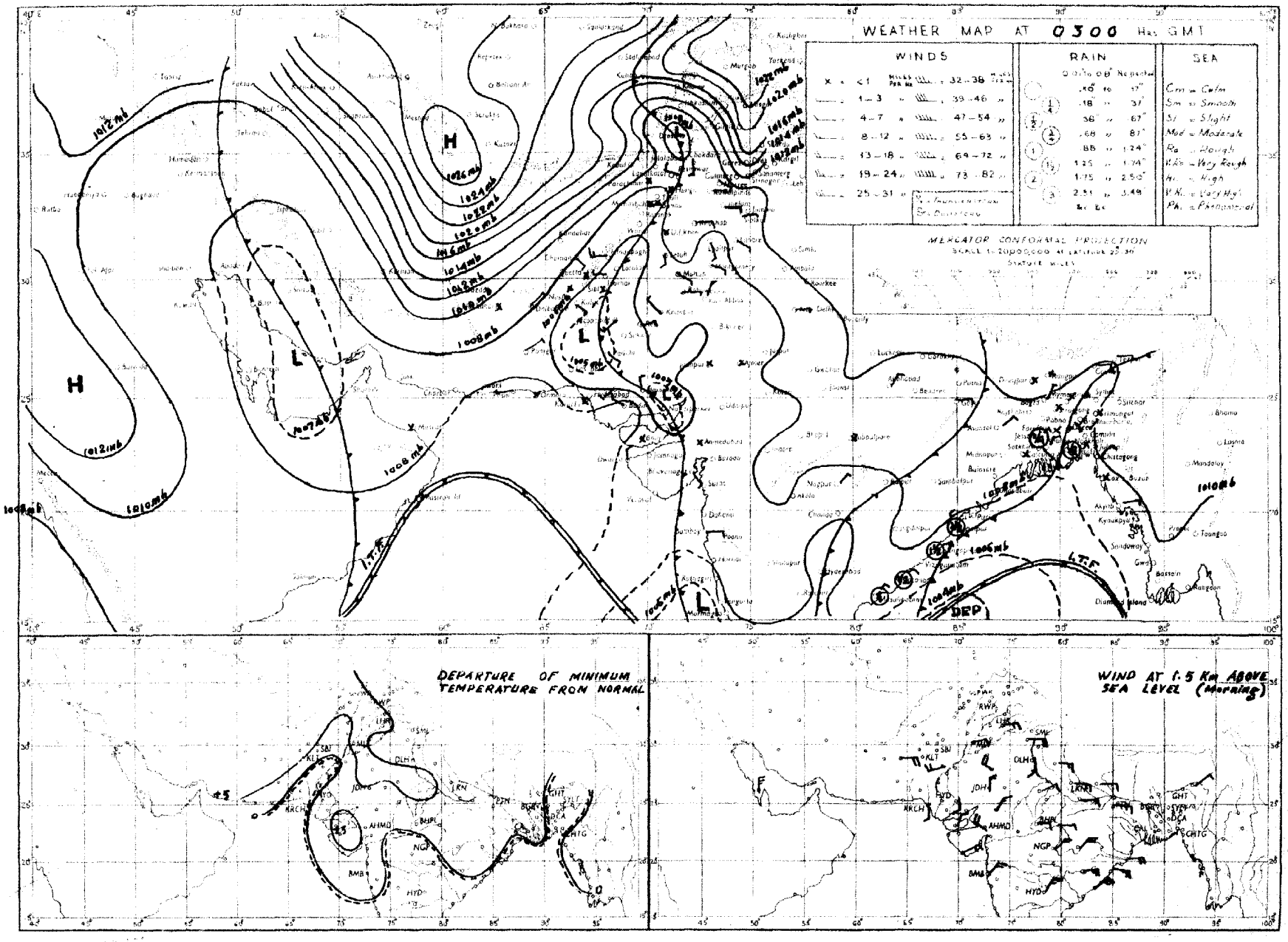
FRIDAY 28th SEPTEMBER 1951.



Rainfall amounts indicated in the above chart refer to past 9 hours

PAKISTAN DAILY WEATHER MAP

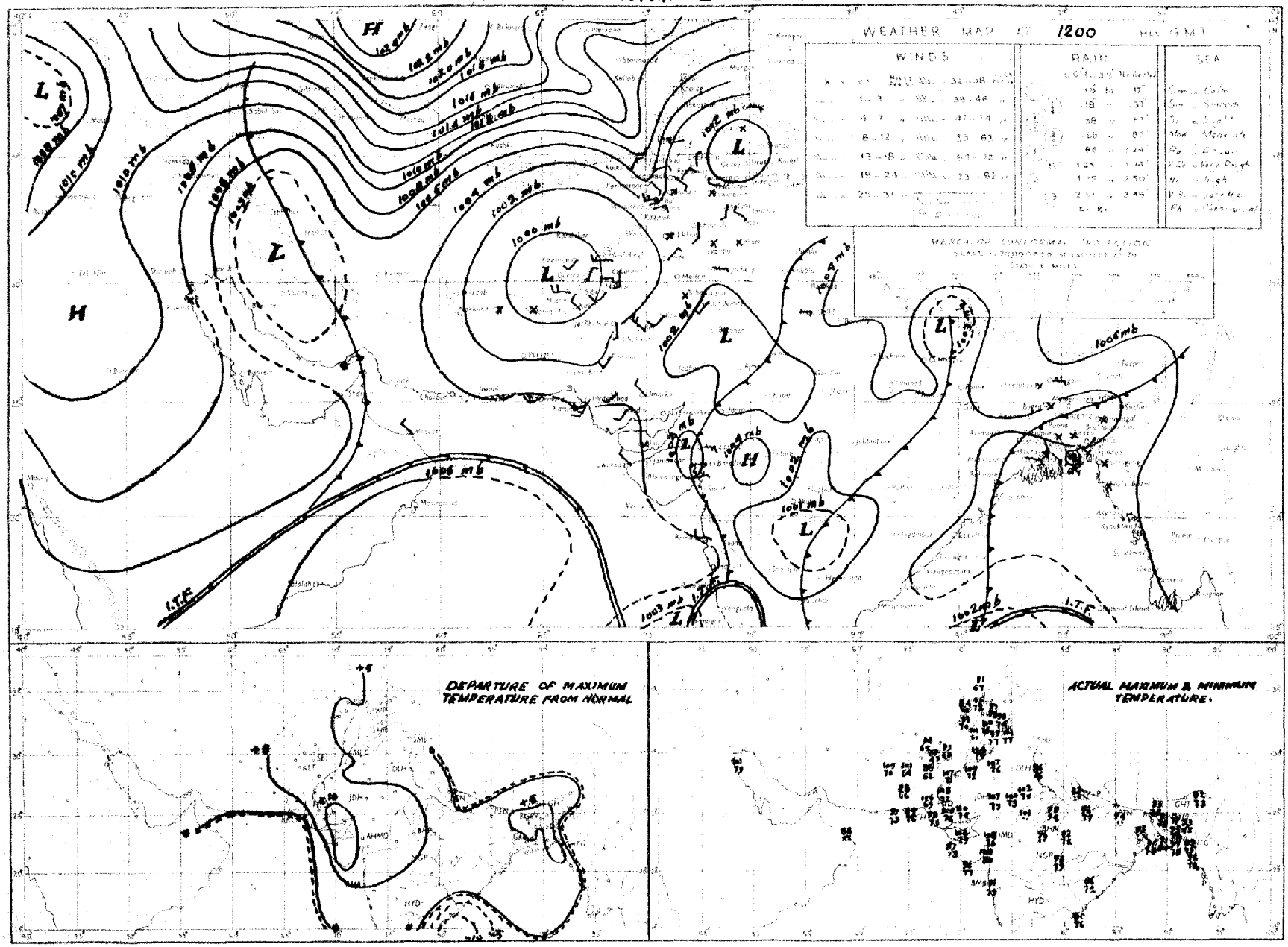
FRIDAY 28th, SEPTEMBER 1951



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

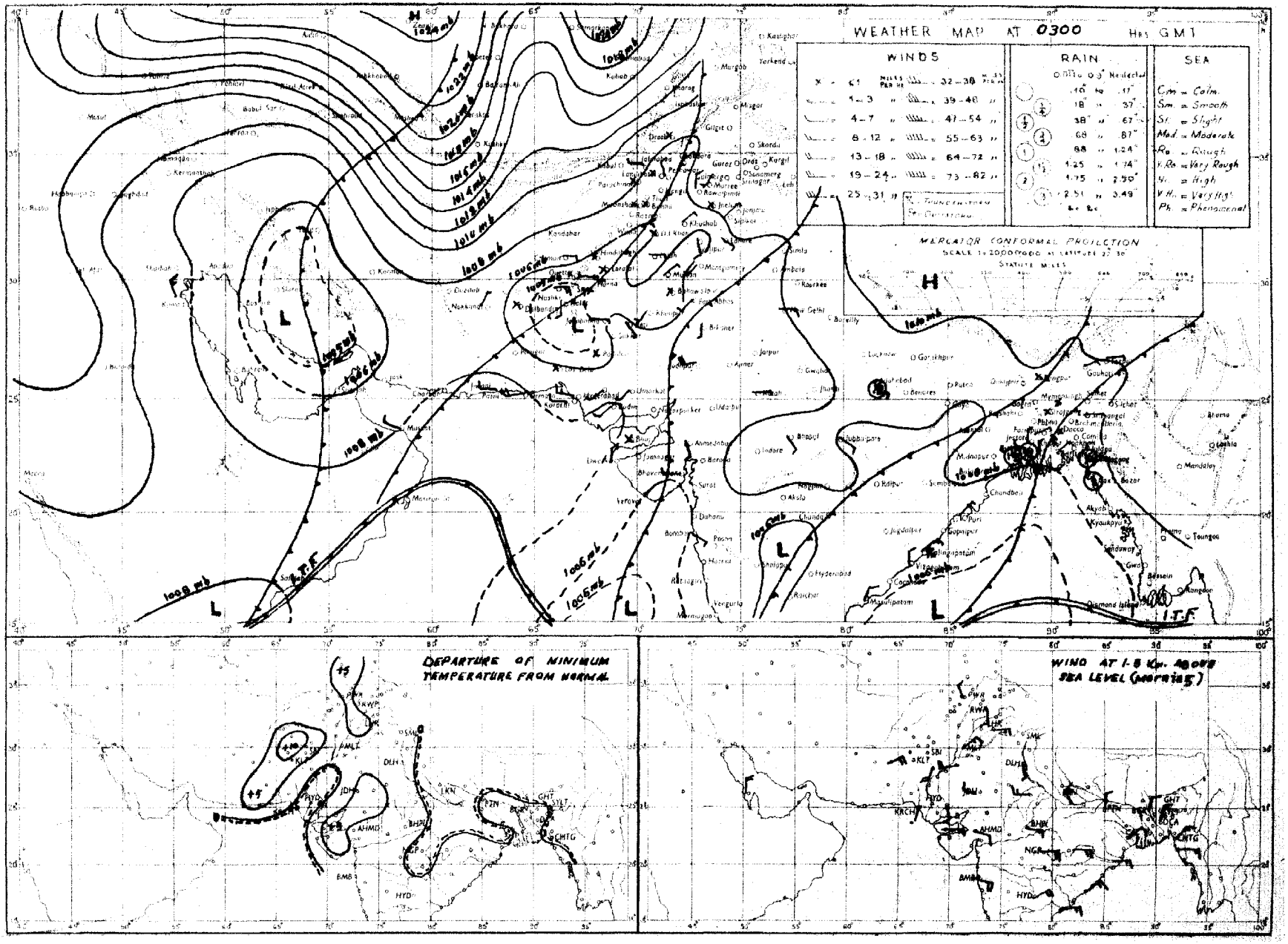
THURSDAY 27th. SEPTEMBER 1951.



Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER MAP

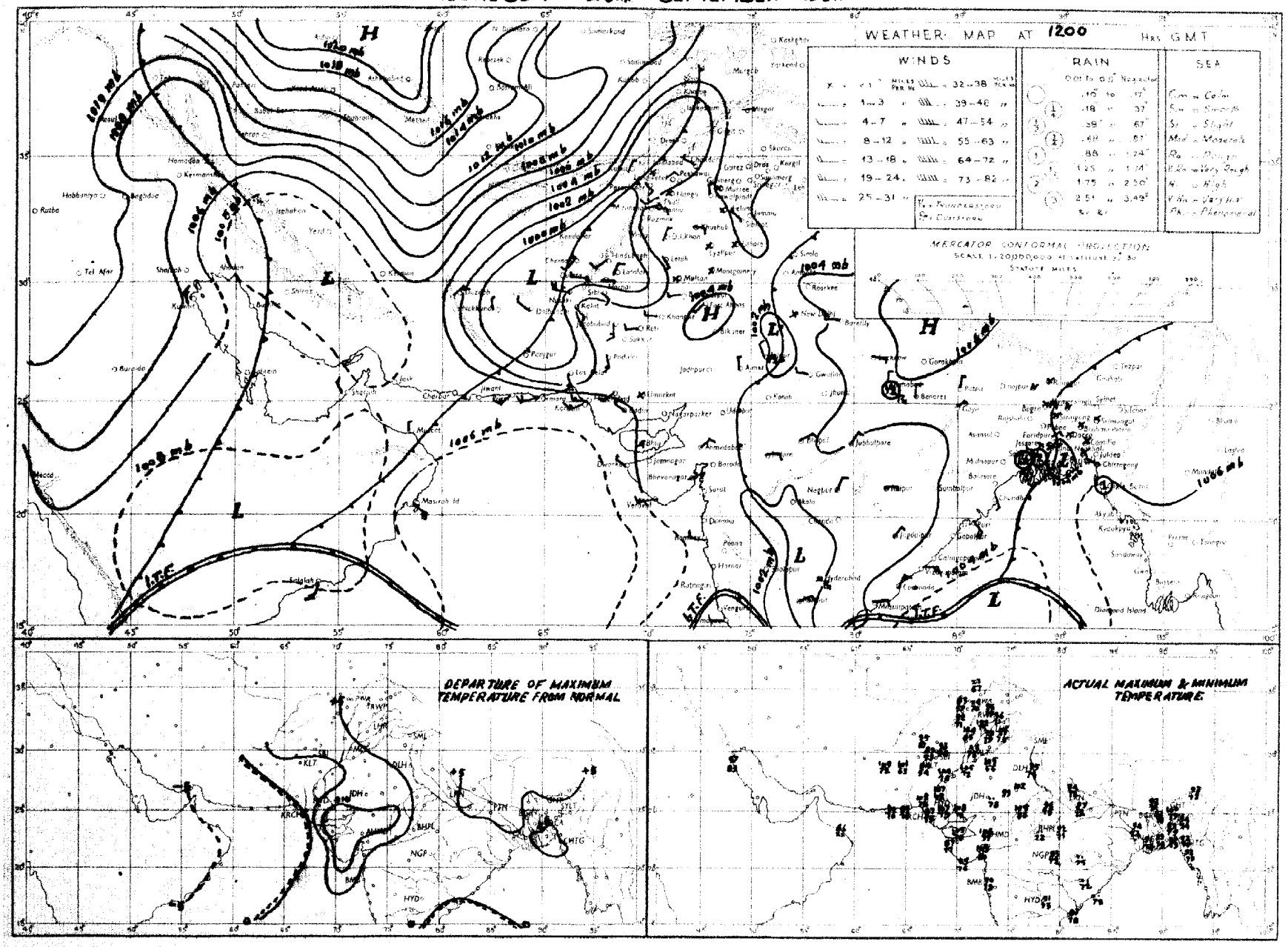
THURSDAY 27th: SEPTEMBER 1951



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

WEDNESDAY 26th SEPTEMBER 1951.



Rainfall amounts indicated in the above chart refer to past 9 hours.

Regd. No. S-1451.

WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G. M. T. on Wednesday, the 10th October 1951.

—o:O:o—

MAY 9 1952

SUMMARY OF WEATHER.

A western disturbance which moved northeastwards across the North-West Frontier Province and Kashmir caused thunderstorms/showers in the North-West Frontier Province and the north Punjab on the 9th.

Monsoon was active in East Pakistan on the first three days of the week; it became weak thereafter in association with a trough of low which appeared in the central Bay of Bengal on the 6th and lay concentrated in the north Bay on the last day of the week.

Some of the noteworthy amounts of rainfall recorded during the week were:—Cox's Bazar 6", Brahmanbaria 3", Comilla and Faridpur 2" each, Chittagong and Srimangal 1½" each and Sirajganj 1" on the 4th; Srimangal and Rangpur 3" eaeh, Narayanganj 2", Brahmanbaria 1½", Cox's Bazar and Chittagong 1" on the 6th; Comilla and Brahmanbaria 2" each, Mymensingh and Srimangal 1½" each on the 6th; Comilla ½" on the 7th; Cox's Bazar 1" on the 8th; Cherat ¾", Jhelum, Murree, and Parachinar ½" each on the 9th; Comilla and Brahmanbaria ½" each on the 10th.

Day temperatures were appreciably to markedly above normal in West Pakistan during the week. They were appreciably to markedly below normal in East Pakistan on the 4th.

2. EAST PAKISTAN: Rainfall was nearly general on four days in the Eastern sub-division on two days in the Northern sub-division and on one day in the Deltaic sub-division. It occurred locally on one day in the Deltaic sub-division. A few falls were also recorded on two days in the Eastern sub-division and one day in the Deltaic and Northern sub-divisions.

KASHMIR: Data not available.

PUNJAB: A few falls were recorded in the north Punjab on one day.

NORTH-WEST FRONTIER PROVINCE: A few falls occurred on one day.

BALUCHISTAN: Weather continued dry.

SIND: Weather continued dry.

JUNAGADH: Data not available.

3. The week's rainfall was in large excess in the Eastern sub-division, in excess in the Northern sub-division and deficient in the Deltaic sub-division of East Pakistan.

No rain fell in West Pakistan.

Rainfall for the period from 1st June, 1951 to date was normal in East Pakistan. It was deficient in the north Punjab and Baluchistan and scanty elsaewhere.

4. The table overleaf summarises the rainfall statistics for the eleven sub-divisions of Pakistan both for the week and for the period from 1st Jnne, 1951 to date.

KARACHI-11.
The 10th October, 1951

MOHAMMAD SHABBAR,
for Director, Meteorological Service.

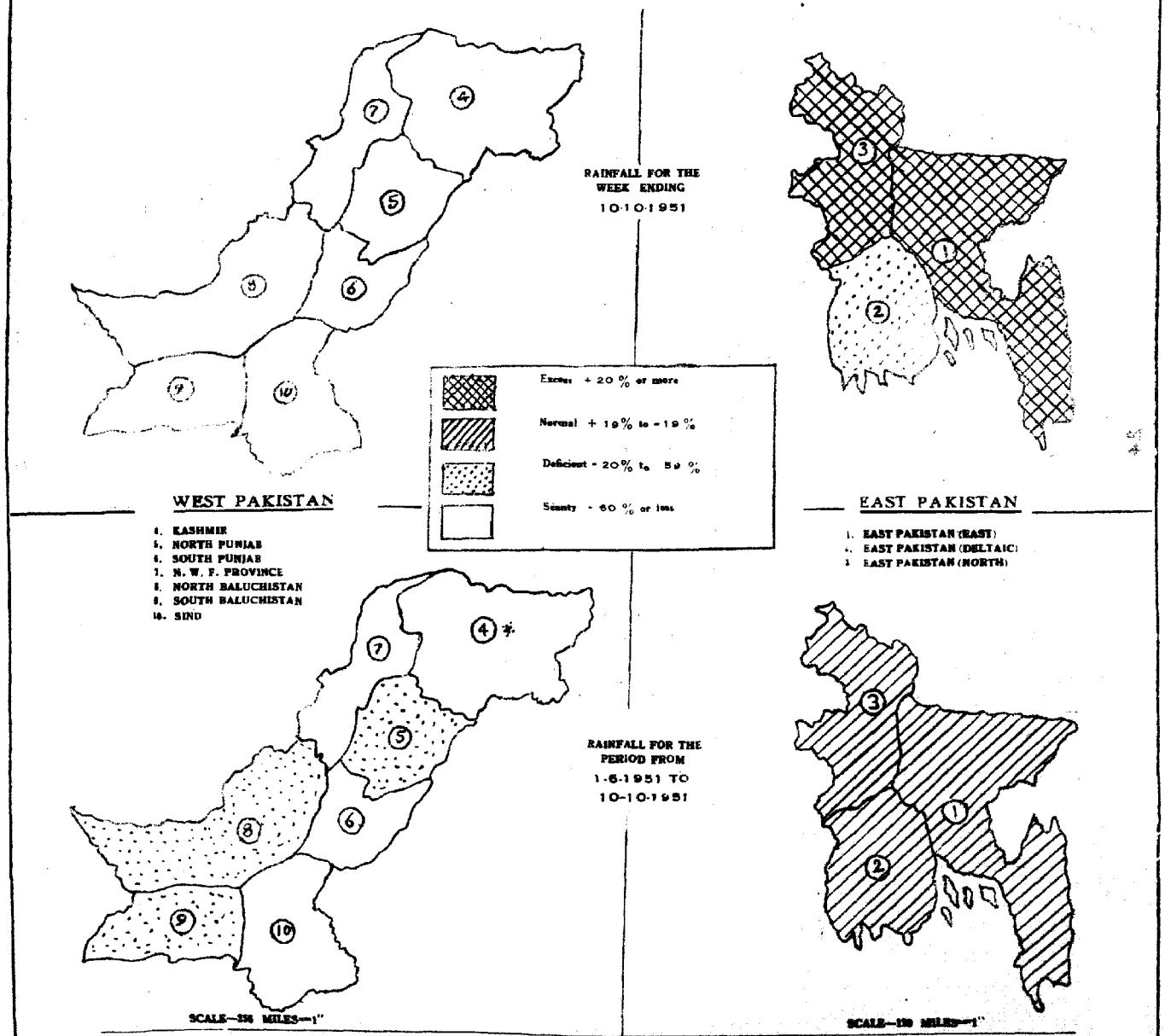
WEEKLY WEATHER REPORT

Division	Rainfall for week ending on 10th October, 1951.			Rainfall for period from 1-6-1951 to 10th October, 1951.			
	Actual †	Normal	Excess or defect	Actual †	Normal	* Excess or defect	
						Inches	Per cent
1	2	3	4	5	6	7	8
1. East Pakistan (East)	5.1	1.7	+3.5	81.8	69.5	+12.3	+ 18
2. East Pakistan (Deltaic)	0.8	1.1	—0.3	41.3	50.1	- 8.8	- 18
3. East Pakistan (North)	1.6	1.1	+0.5	50.3	55.0	- 4.7	- 9
4. Kashmir ††	....	....	....	....	....	....	....
5. North Punjab	0	0.1	- 0.1	9.1	16.3	- 7.2	- 44
6. South Punjab	0	0	0	1.9	5.4	- 3.5	- 65
7. N. W. F. P.	0	0	0	2.0	4.9	- 2.9	- 60
8. North Baluchistan	0	0	0	1.3	2.8	- 1.5	- 53
9. South Baluchistan	0	0	....	0.6	1.0	- 0.4	- 38
10. Sind	0	0	....	1.9	5.4	- 3.5	- 64
11. Junagadh ††	....	....	....	....	....	....	....

* In the calculation of excesses and defects, and their percentages, rainfall figures are taken correct to 0·01".

† Rainfall of stations having no normals is not included.

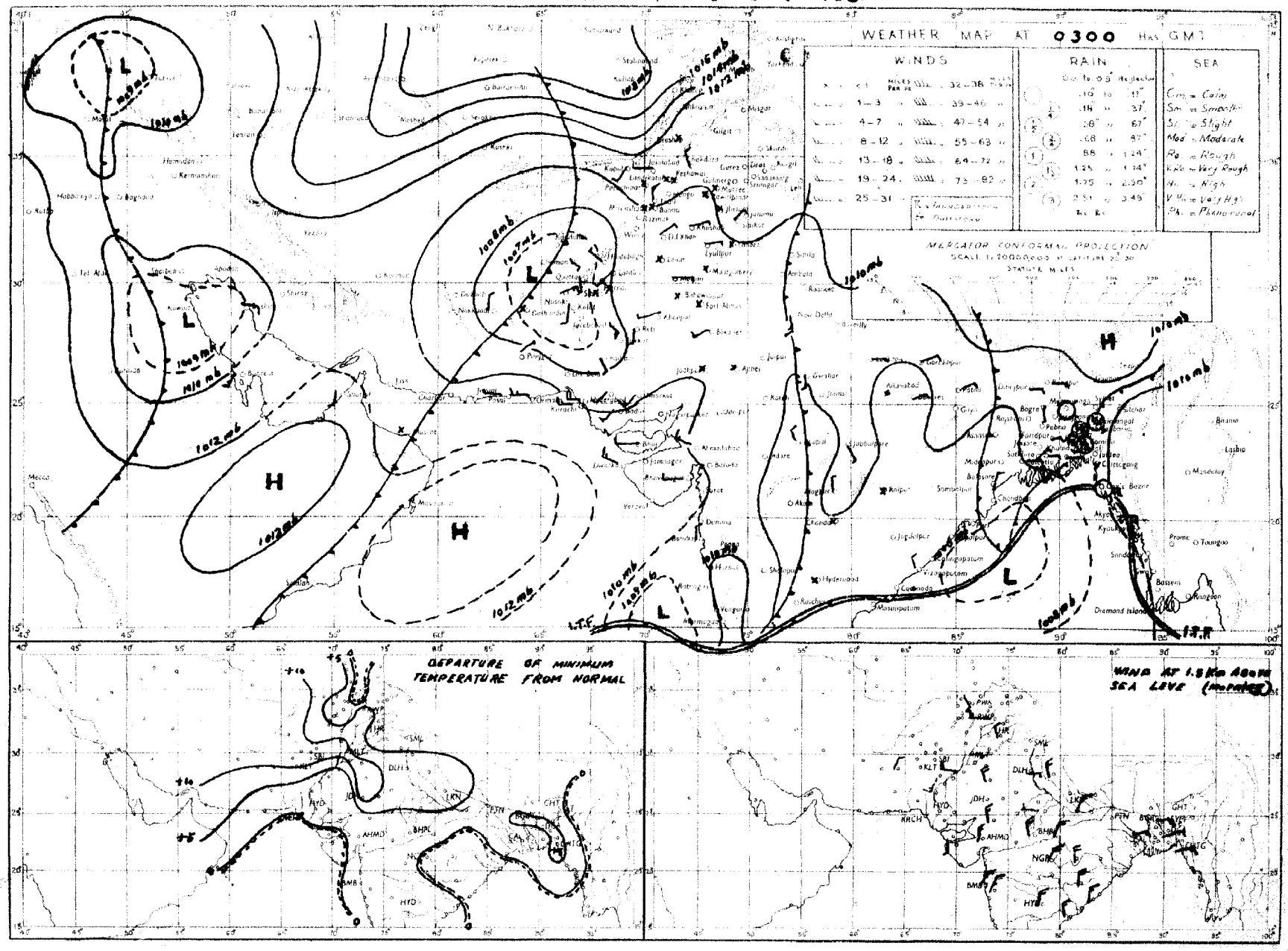
†† Data not available



* Data not available.

PAKISTAN DAILY WEATHER MAP

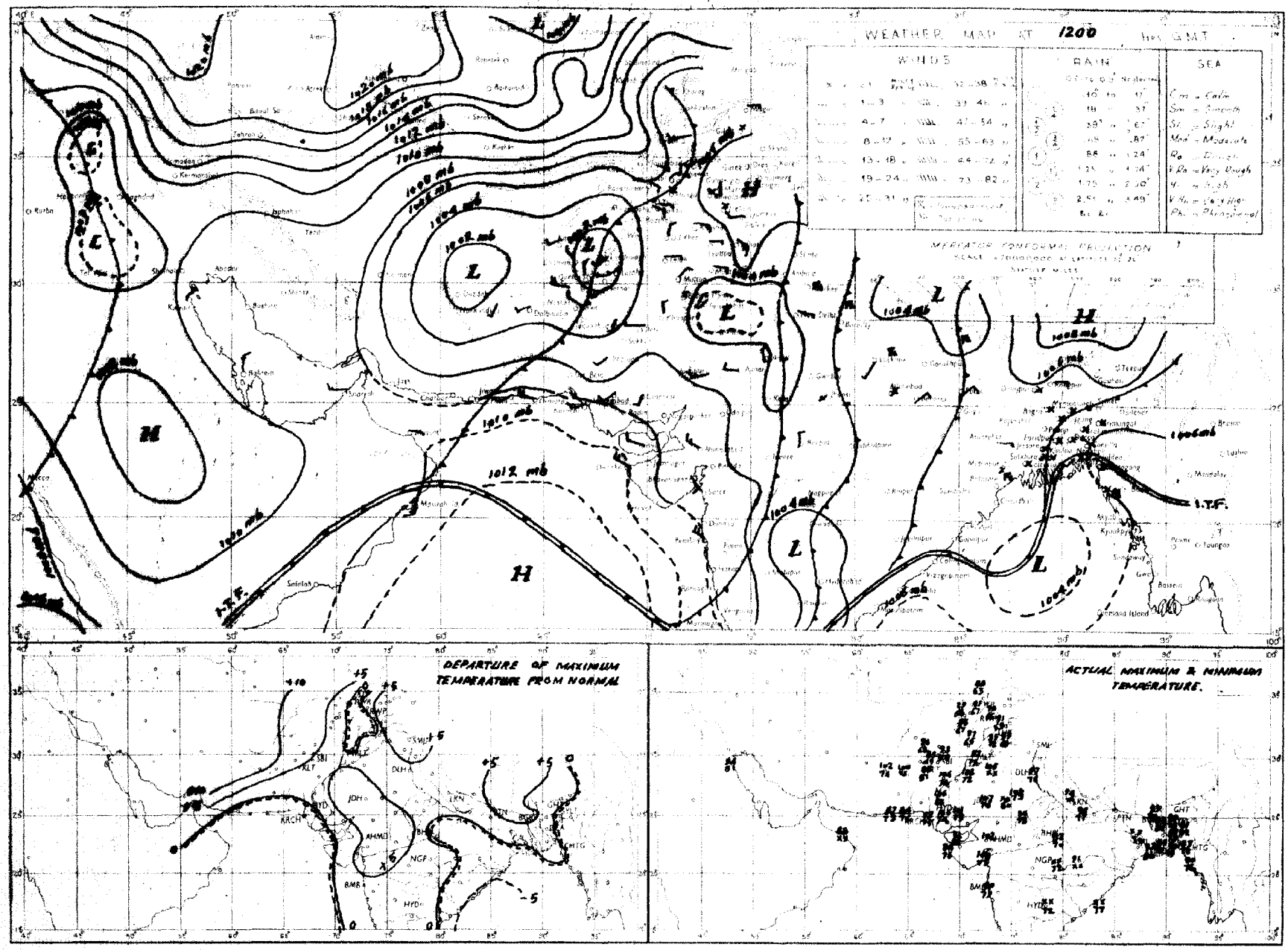
WEDNESDAY 10th. OCTOBER 1951



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

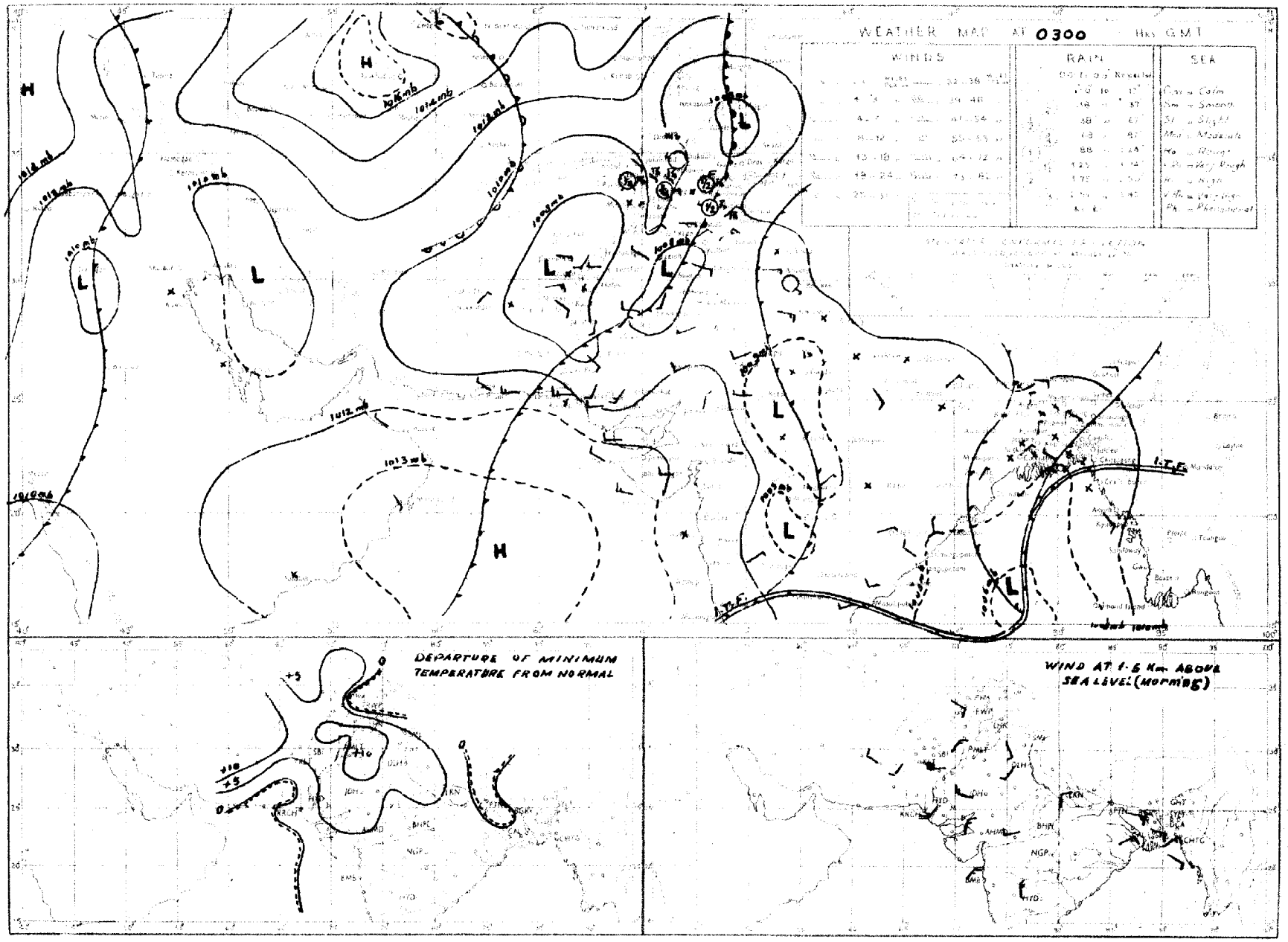
TUESDAY 9th. OCTOBER 1951.



Rainfall amounts indicated in the above chart refer to past 9 hours

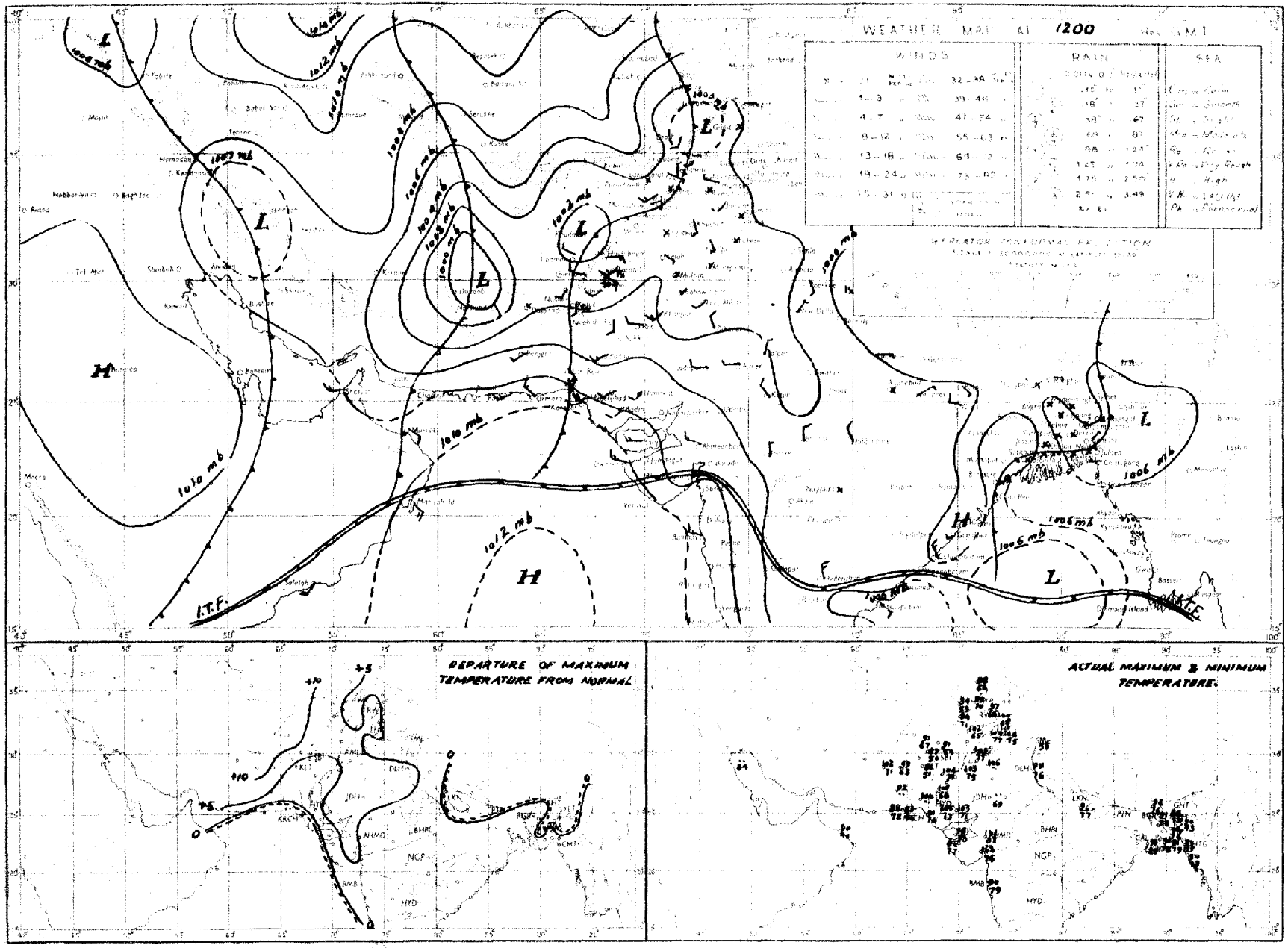
PAKISTAN DAILY WEATHER MAP

TUESDAY 9th: OCTOBER 1951.



PAKISTAN DAILY WEATHER MAP

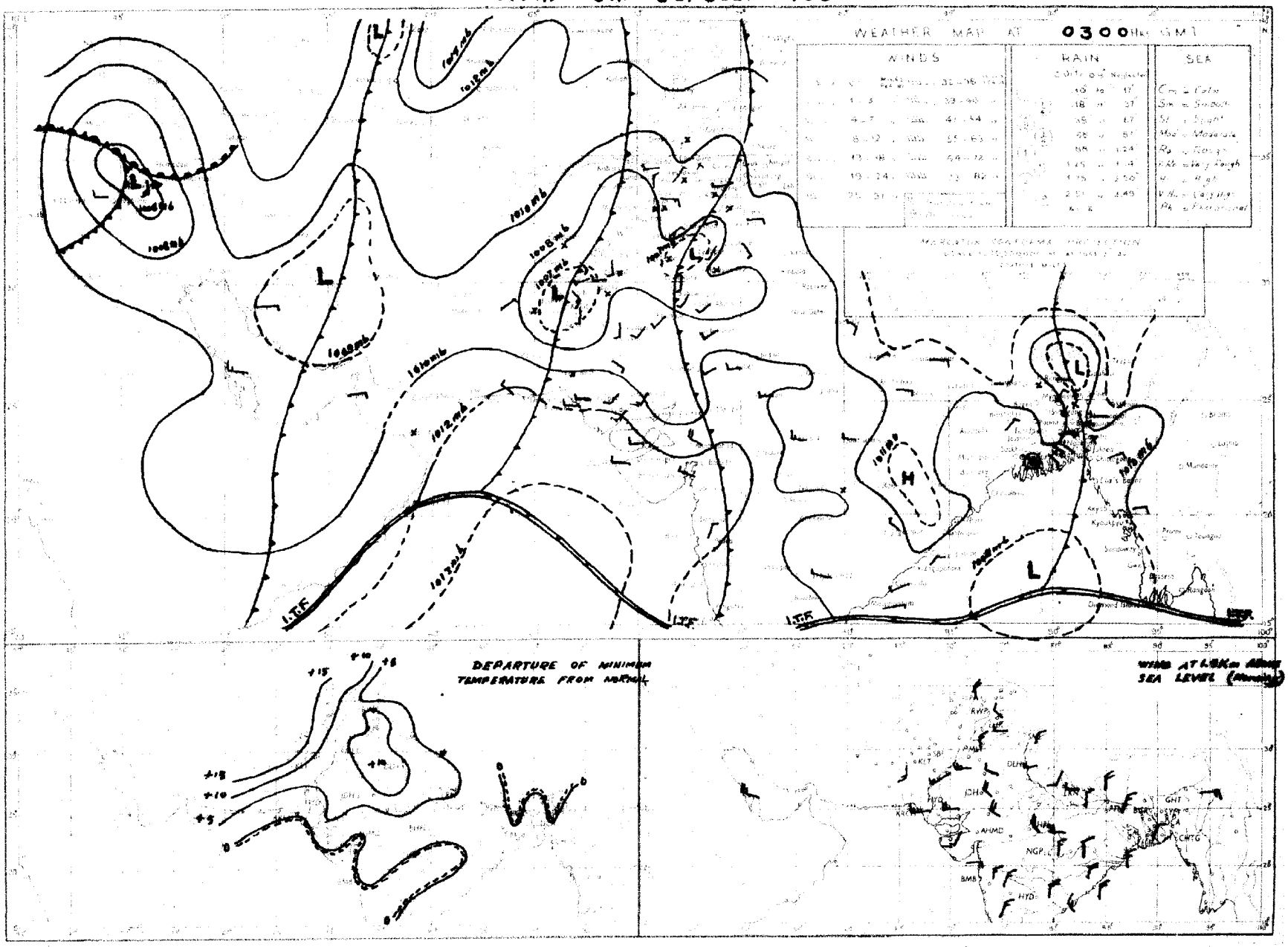
MONDAY 8th. OCTOBER 1951.



Rainfall amounts indicated in the above chart refer to past 24 hours

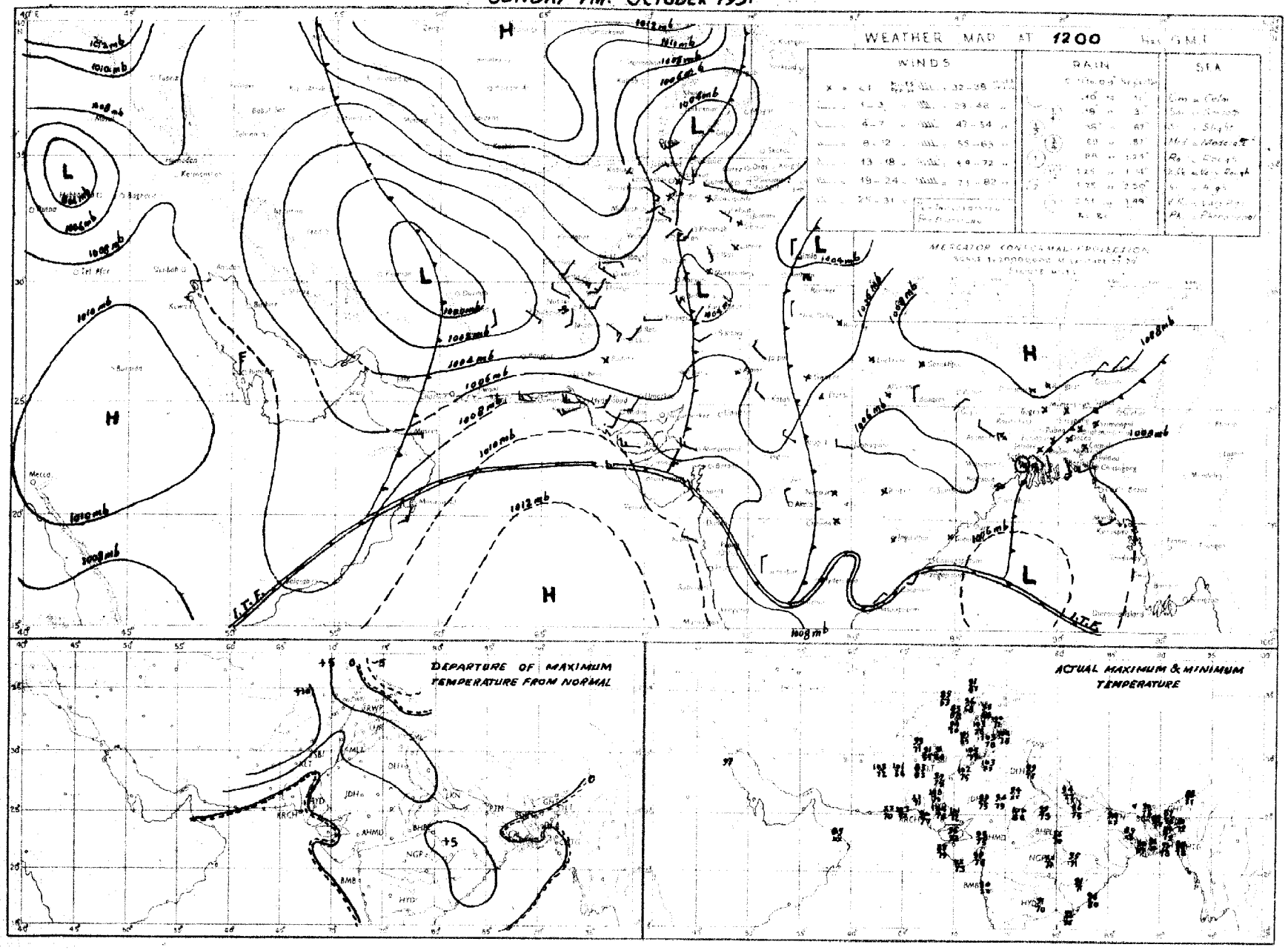
PAKISTAN DAILY WEATHER MAP

MONDAY 8th. OCTOBER 1951



PAKISTAN DAILY WEATHER MAP

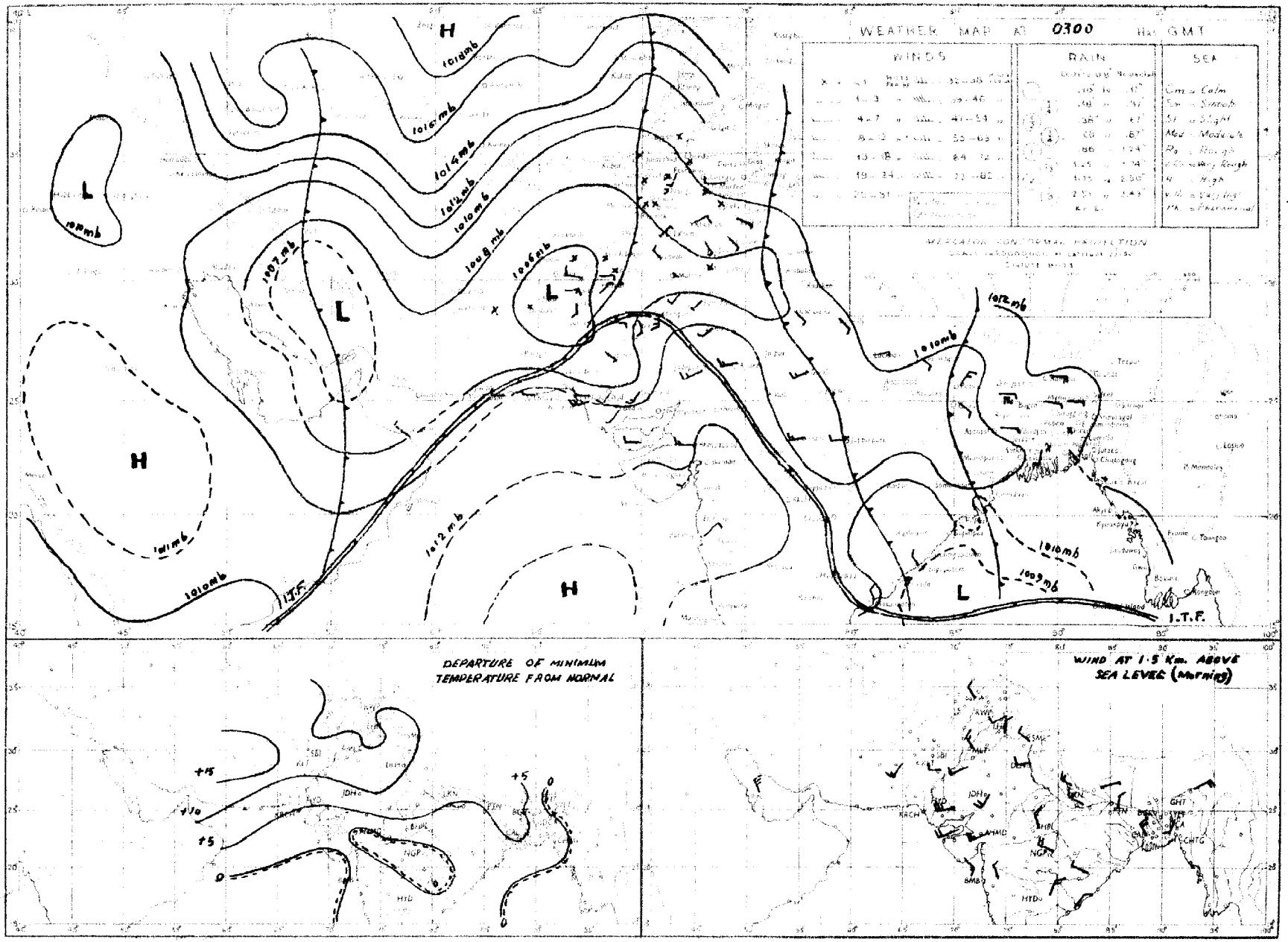
SUNDAY 7th: OCTOBER 1951



Rainfall amounts indicated in the above chart refer to past 9 hours

PAKISTAN DAILY WEATHER MAP

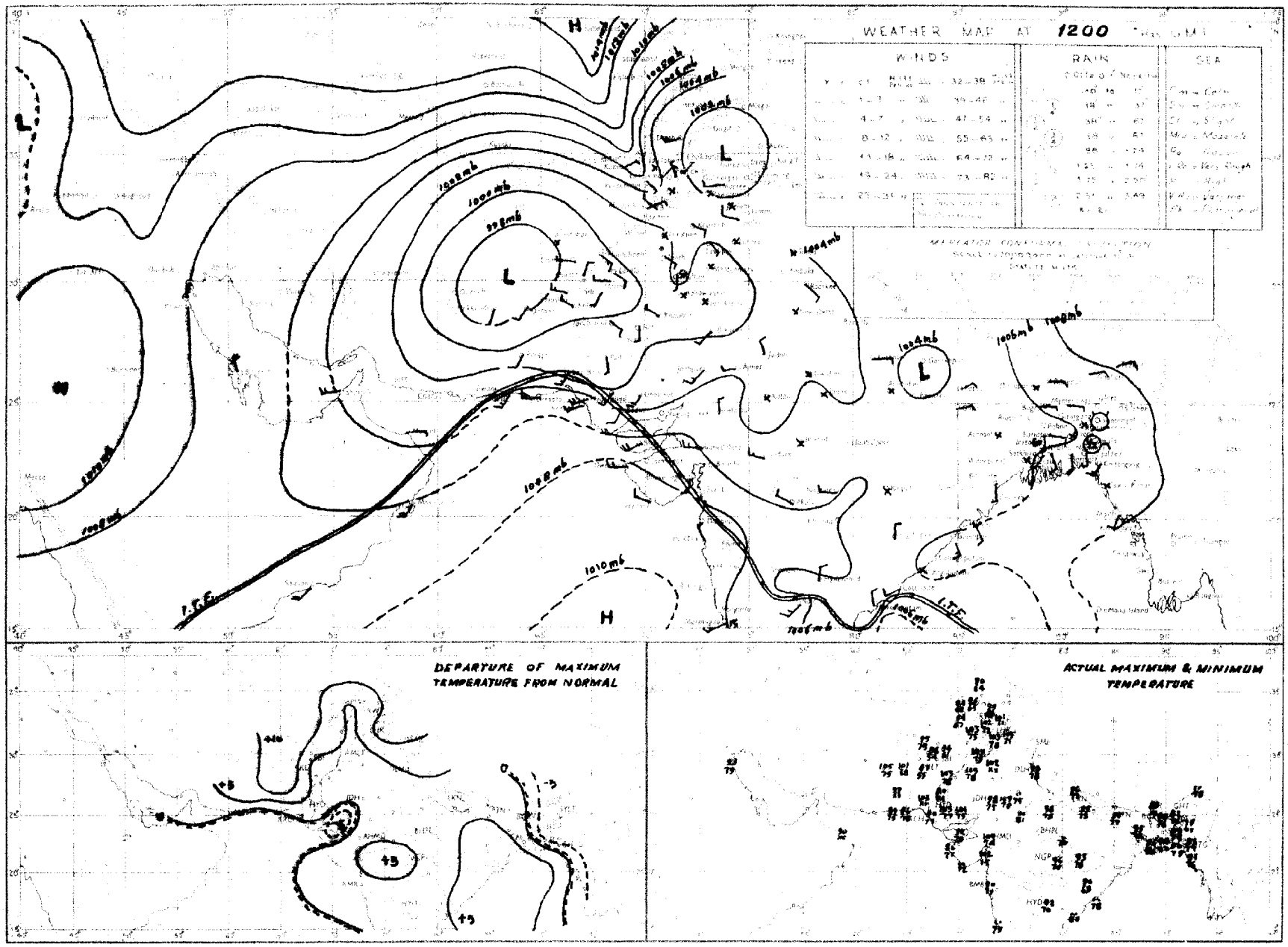
SUNDAY 7th OCTOBER 1951.



Rainfall amounts indicated in the above chart refer to past 24 hours

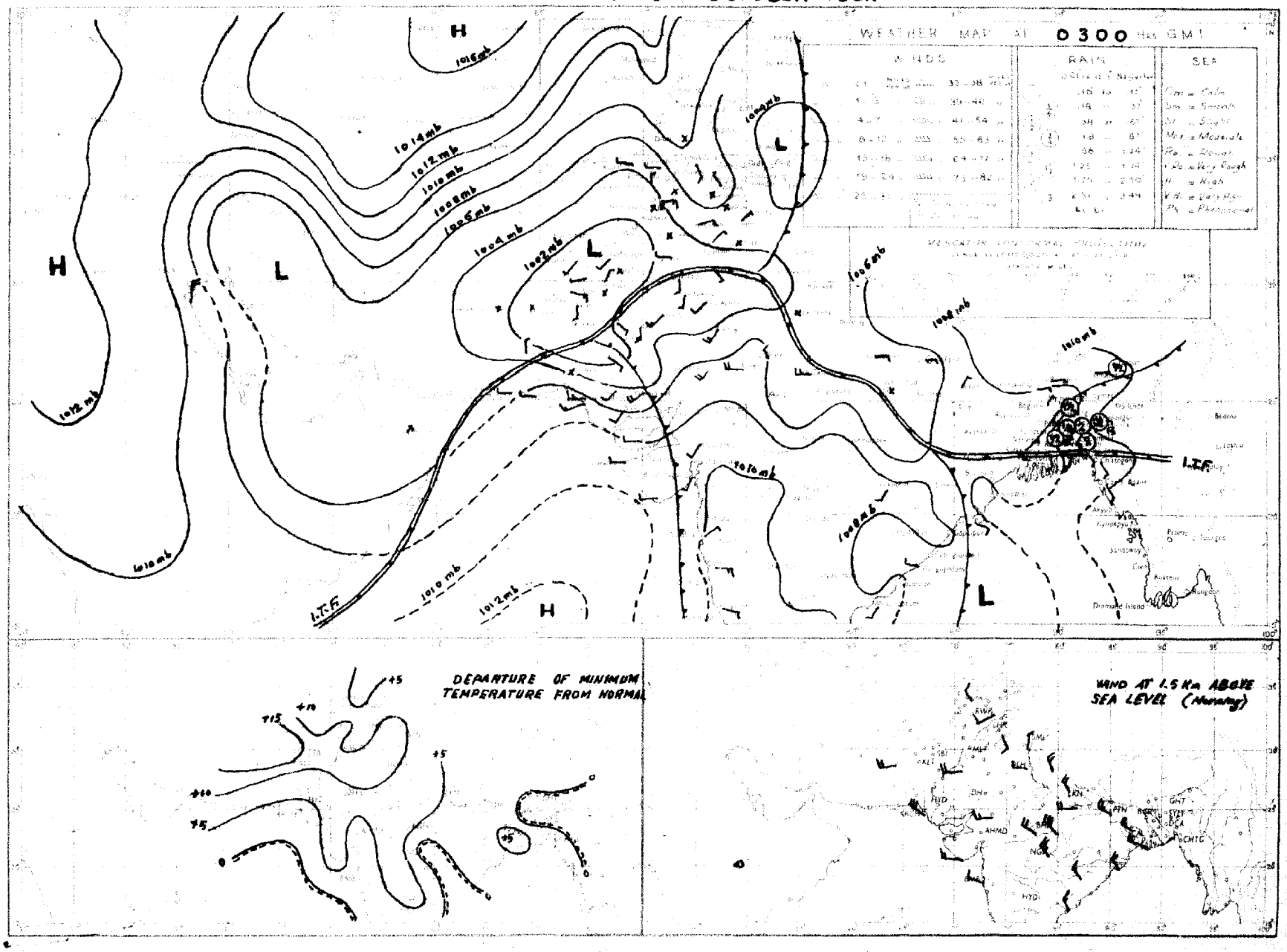
PAKISTAN DAILY WEATHER MAP

SATURDAY 6th: OCTOBER 1951



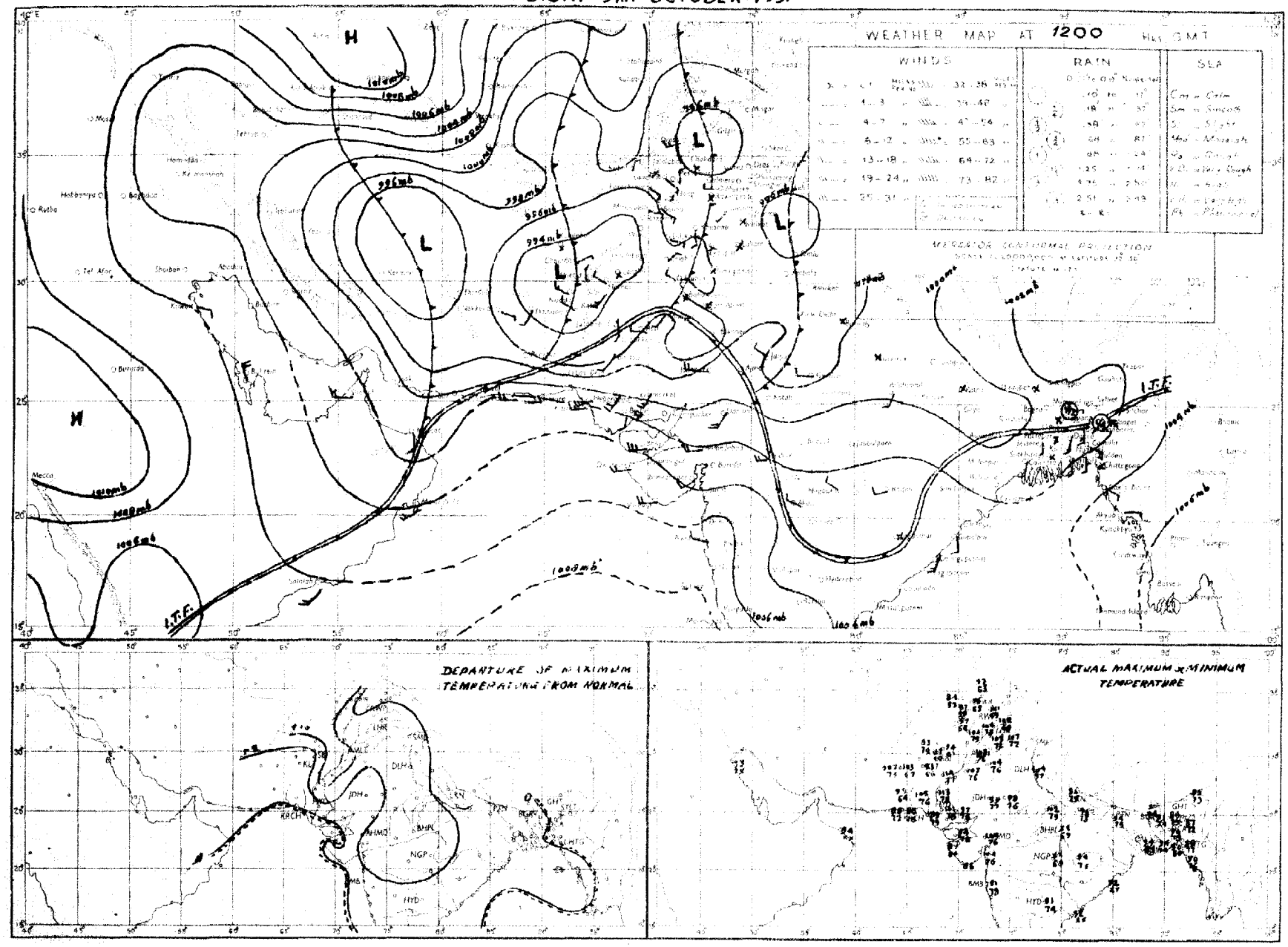
PAKISTAN DAILY WEATHER MAP

SATURDAY 6th. OCTOBER 1951.



PAKISTAN DAILY WEATHER MAP

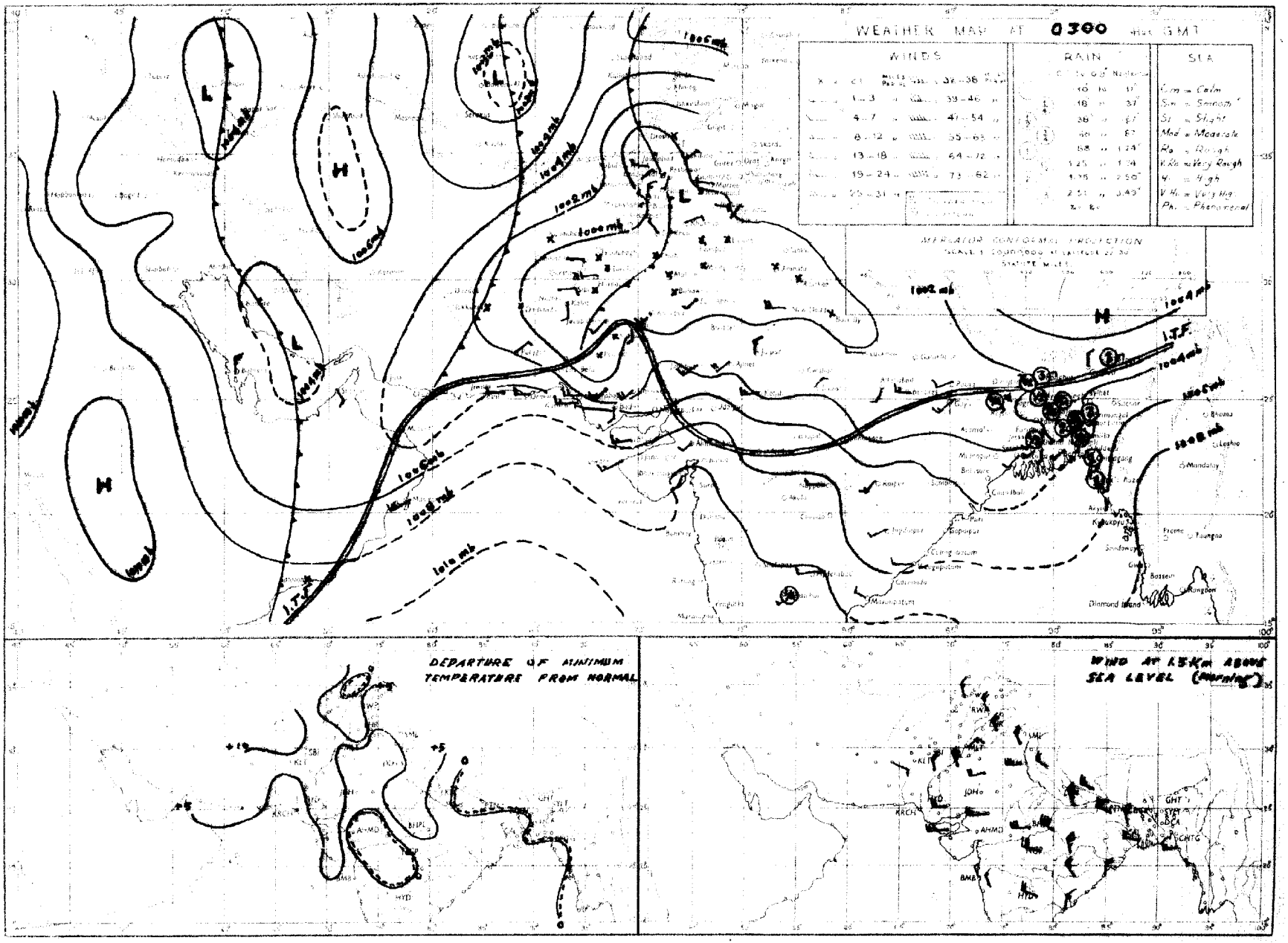
FRIDAY 5th: OCTOBER 1951



Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER MAP

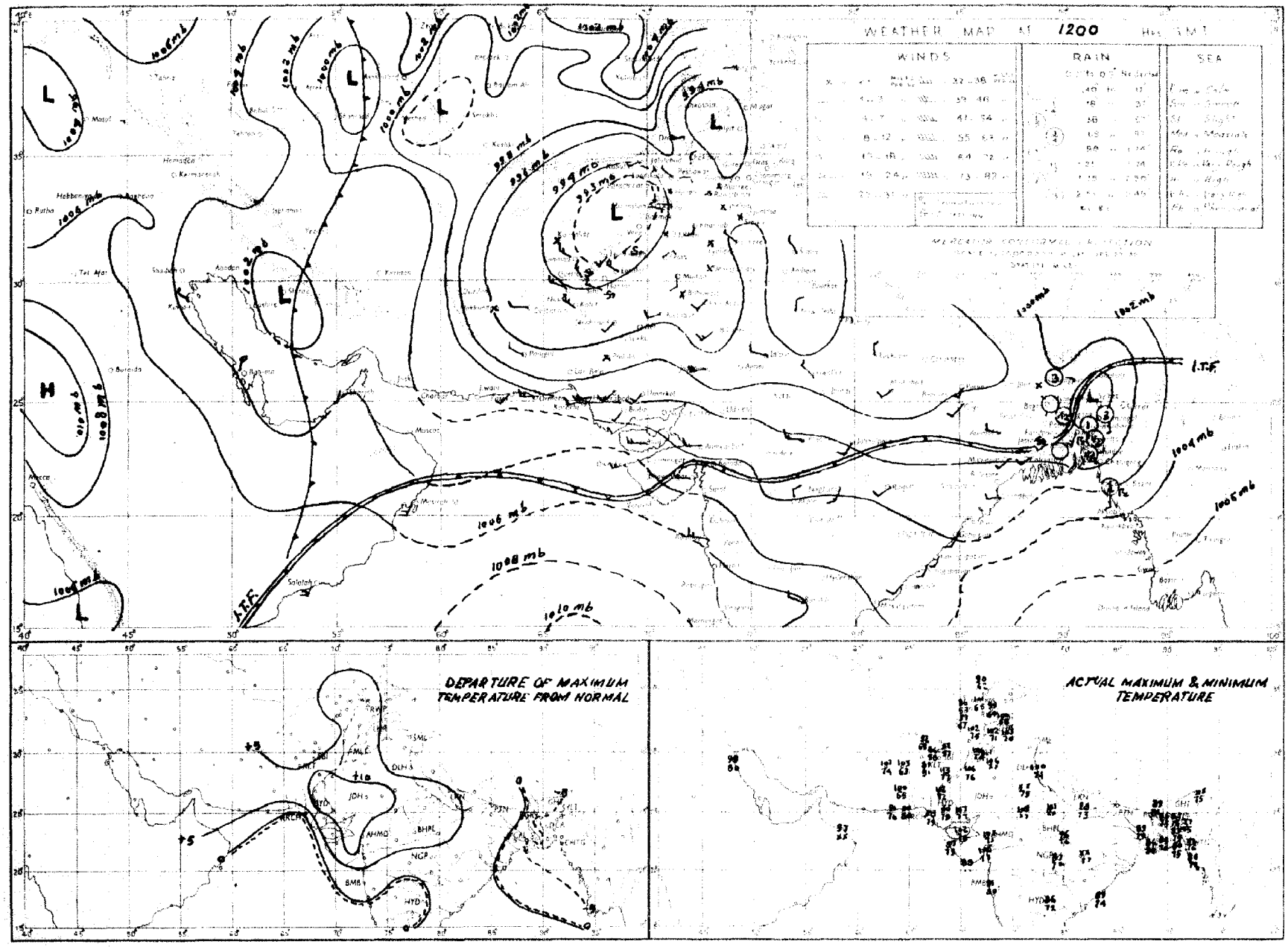
FRIDAY 5th OCTOBER 1951.



Rainfall amounts indicated in the above chart refer to past 24 hours

PAKISTAN DAILY WEATHER MAP

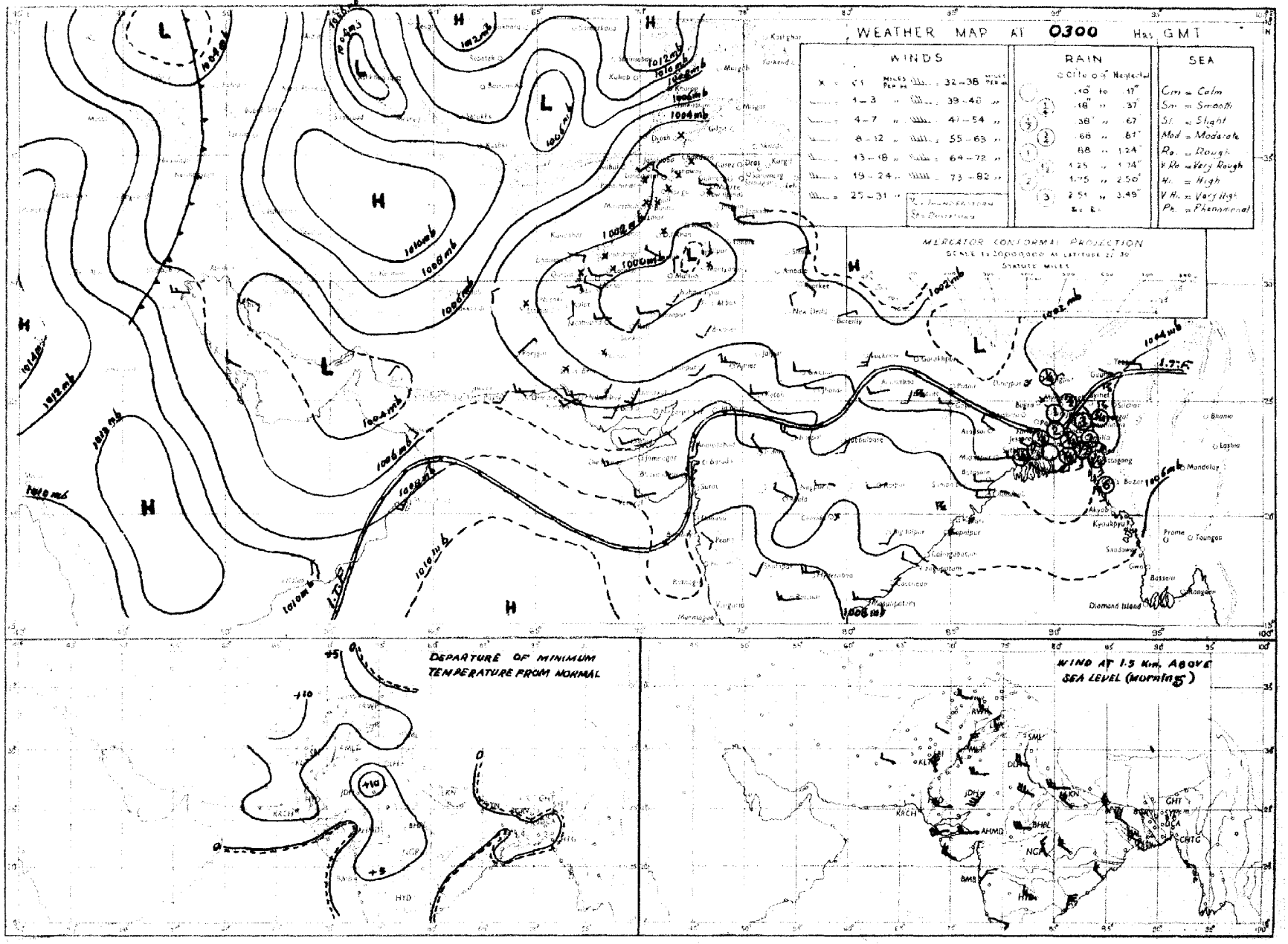
THURSDAY 4th. OCTOBER 1951.



Rainfall amounts indicated in the above chart refer to past 9 hours

PAKISTAN DAILY WEATHER MAP

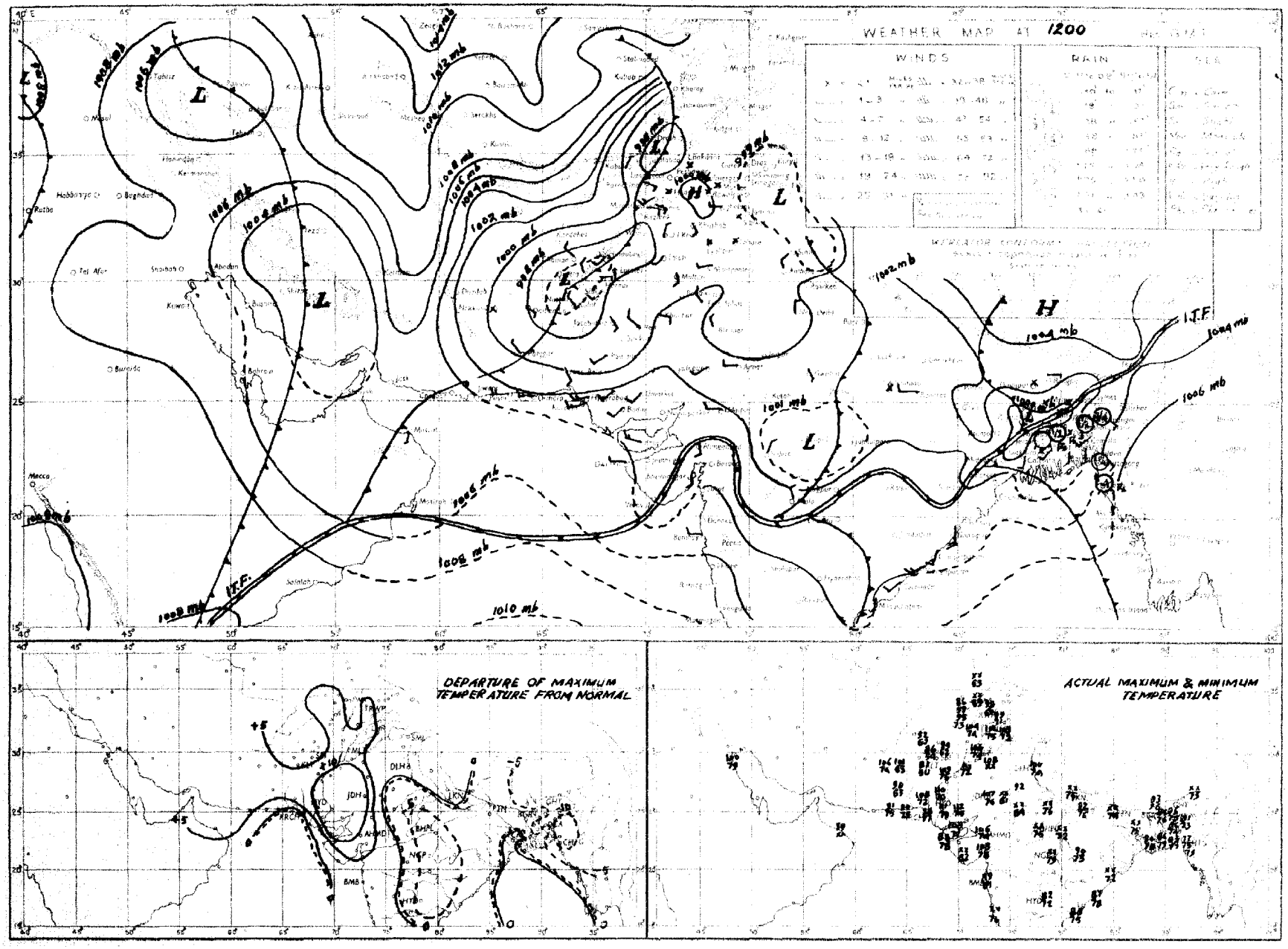
THURSDAY 4th: OCTOBER 1951



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

WEDNESDAY 3rd OCTOBER 1951



Rainfall amounts indicated in the above chart refer to past 9 hours

Regd. No. S-1451.

WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G. M. T. on Wednesday, the 17th October, 1951.

MAY 9 1952

—o:O:o—

SUMMARY OF WEATHER.

Previous week's marked trough of low in the north Bay of Bengal concentrated into a depression off Orissa coast by the 11th morning, moved inland and lay as a low over Orissa and the adjoining Central Provinces on the next day. On the 13th it lay over the Central Provinces and was forming a complex low with a trough in the east Arabian Sea. The low over the Central Provinces became unimportant by the 15th while the trough off Konkan Kathiawar coast persisted till the 15th, causing heat wave in lower Sind between the 11th and 15th. The trough became diffused by the evening of the 15th, causing incursion of southerly air streams in shallow layers into coastal Sind and the consequent formation of dense fog over Karachi and its suburbs.

A western disturbance which moved eastwards across the extreme north of West Pakistan caused thunderstorms/showers in the upper North-West Frontier Province during the period 12th to 14th.

Monsoon was active in East Pakistan practically throughout the week.

Some of the noteworthy amounts of rainfall recorded during the week were :—Barisal ¾", Khulna, Sathkhira, Jessore and Dinajpur ½" each on the 11th; Jessore 1", Noakhali, Comilla, Brahmanbaria, Srimangal, Khulna and Barisal ½" each on the 12th; Mymensingh 1", Srimangal ¾", Narayanganj and Sirajganj ½" each on the 13th; Brahmanbaria 1½", Srimangal 1" and Chittagong ¾" on the 15th; Comilla, Narayanganj and Barisal 3" each, Jessore 2", Khulna 1½", Mymensingh 1" and Noakhali and Satkhira ¾" each on the 16th; Rangpur 1½", Cox's Bazar and Satkhira 1", Jessore ¾" and Srimangal and Dinajpur ½" each on the 17th.

Day temperatures were appreciably to markedly above normal on the 11th and markedly to considerably above normal from the 12th to 16th in West Pakistan outside Sind-Mekran coast.

2. EAST PAKISTAN: Rainfall was nearly general on five days in the Deltaic sub-division and on three days in the Eastern sub-division. It occurred locally on four days in the Northern sub-division and on three days in the Eastern sub-division. A few falls were also recorded in the Deltaic and Northern sub-divisions on one day each.

KASHMIR: Data not available.

PUNJAB: Weather remained dry.

NORTH-WEST FRONTIER PROVINCE: A few falls occurred over the hills on two days.

BALUCHISTAN: Weather continued dry.

SIND: Weather continued dry.

JUNAGADH: Data not available.

3 The week's rainfall was in large excess in the Eastern and Deltaic sub-divisions and deficient in the Northern sub-division of East Pakistan. No rain fell in West Pakistan.

Rainfall for the period from 1st June, 1951 to date was normal in East Pakistan. It was deficient in the north Punjab and Baluchistan and scanty elsewhere.

4. The table overleaf summarises the rainfall statistics for the eleven sub-divisions of Pakistan both for the week and for the period from 1st June, 1951 to date.

KARACHI-11.
The 17th October, 1951

MOHAMMAD SHABBAR,
for Director, Meteorological Service.

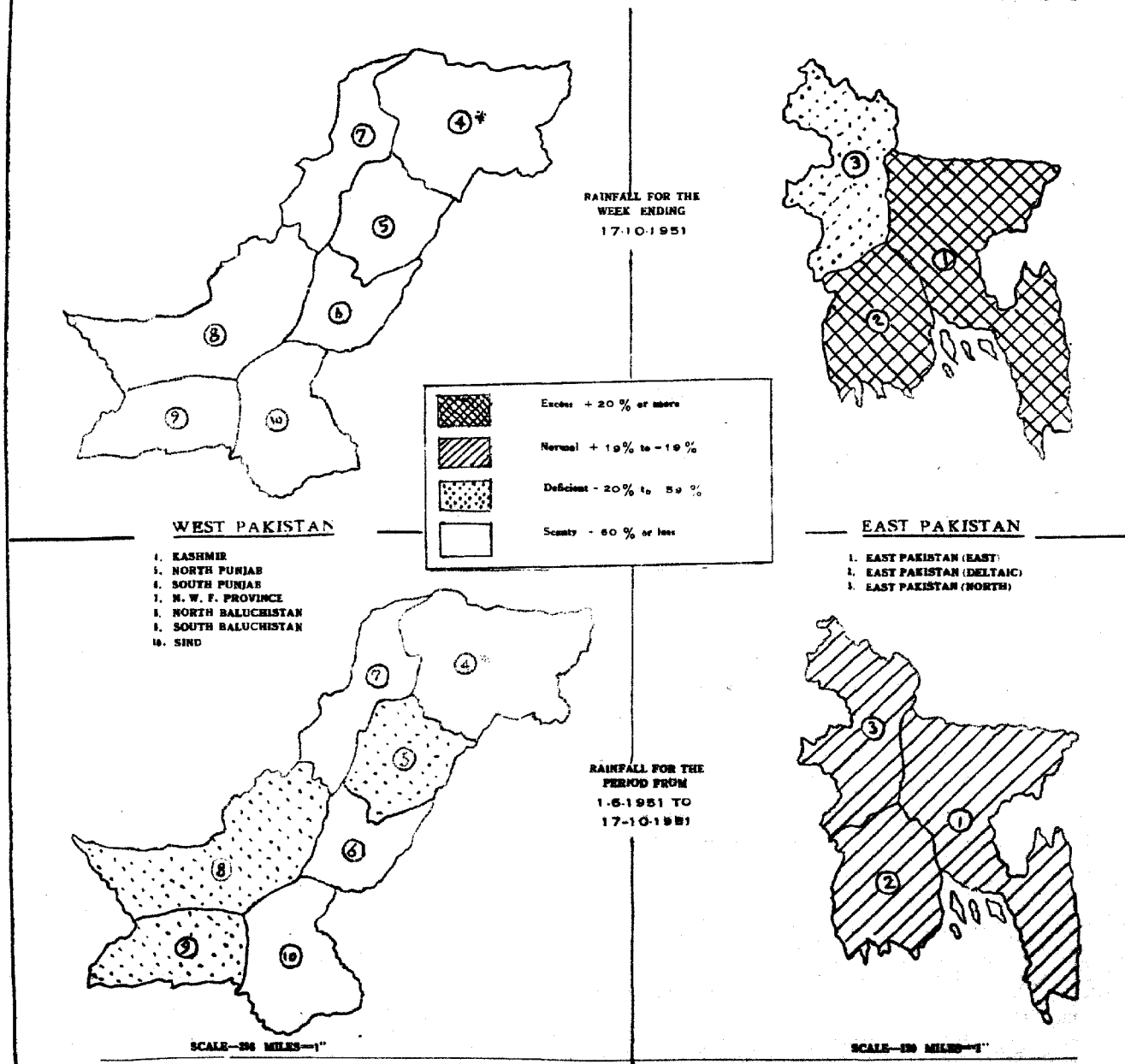
WEEKLY WEATHER REPORT

Division	Rainfall for week ending on 17th October, 1951.			Rainfall for period from 1-6-1951 to 17th October, 1951.			
	Actual †	Normal	Excess or defect	Actual †	Normal	* Excess or defect	
						Inches	Per cent
1	2	3	4	5	6	7	8
1. East Pakistan (East)	2.7	1.5	+1.2	84.5	71.0	+13.5	+ 19
2. East Pakistan (Deltaic)	3.4	1.4	+2.0	44.7	51.5	- 6.9	- 13
3. East Pakistan (North)	1.1	1.9	- 0.7	51.4	56.9	- 5.5	- 10
4. Kashmir ††	....	....	....	....	....	....	....
5. North Punjab	0	0	0	9.1	16.3	- 7.3	- 44
6. South Punjab	0	0	0	1.9	5.4	- 3.5	- 65
7. N. W. F. P.	0	0	0	2.0	4.9	- 3.0	- 60
8. North Baluchistan	0	0	0	1.3	2.9	- 1.5	- 53
9. South Baluchistan	0	0	0	0.6	1.0	- 0.4	- 39
10. Sind	0	0	0	1.9	5.4	- 3.5	- 64
11. Junagadh ††	....	....	....	....	....	....	....

* In the calculation of excesses and defects, and their percentages, rainfall figures are taken correct to 0·01″.

† Rainfall of stations having no normals is not included.

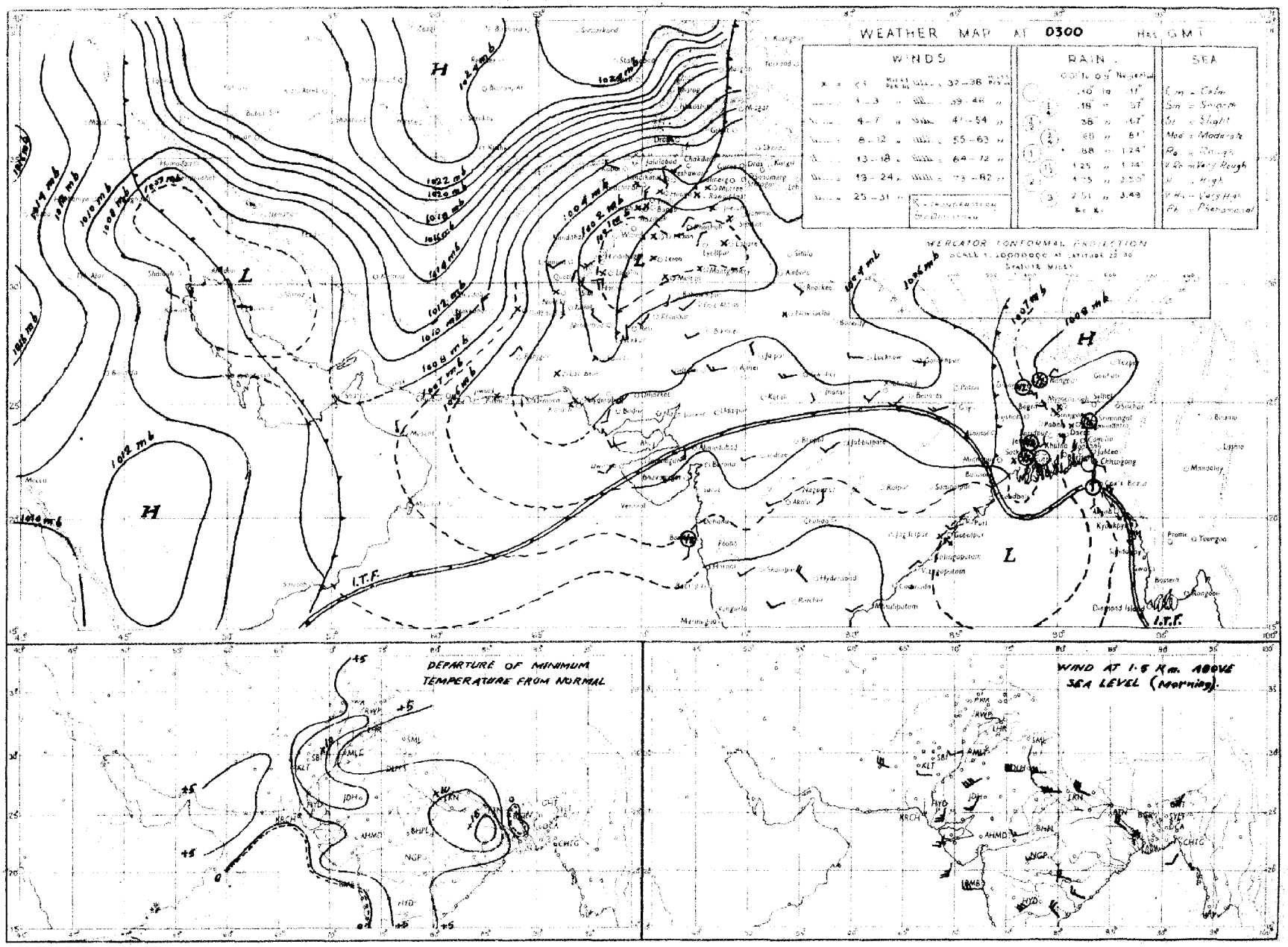
†† Data not available



* Data not available.

PAKISTAN DAILY WEATHER MAP

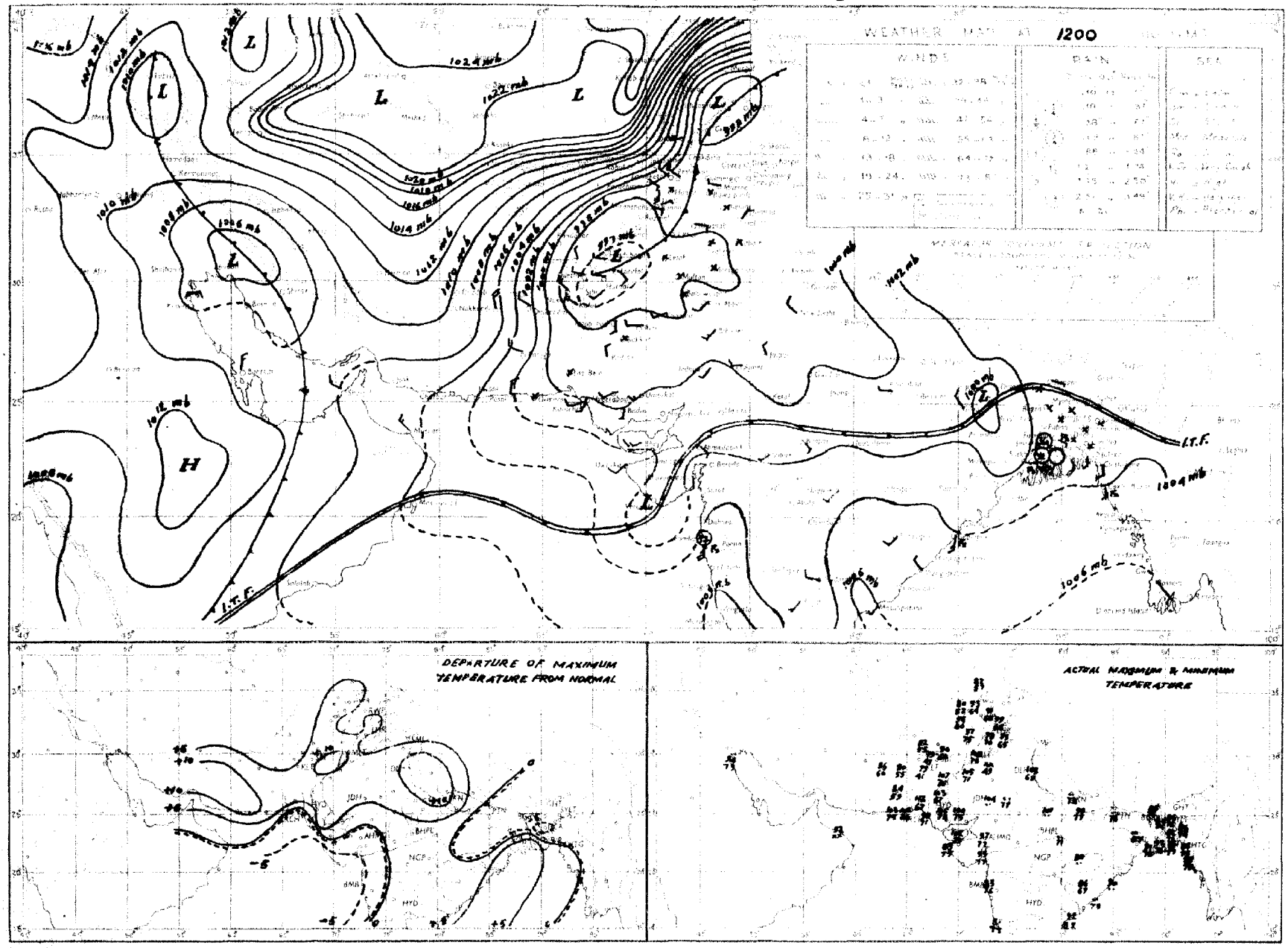
WEDNESDAY 17th. OCTOBER 1951.



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

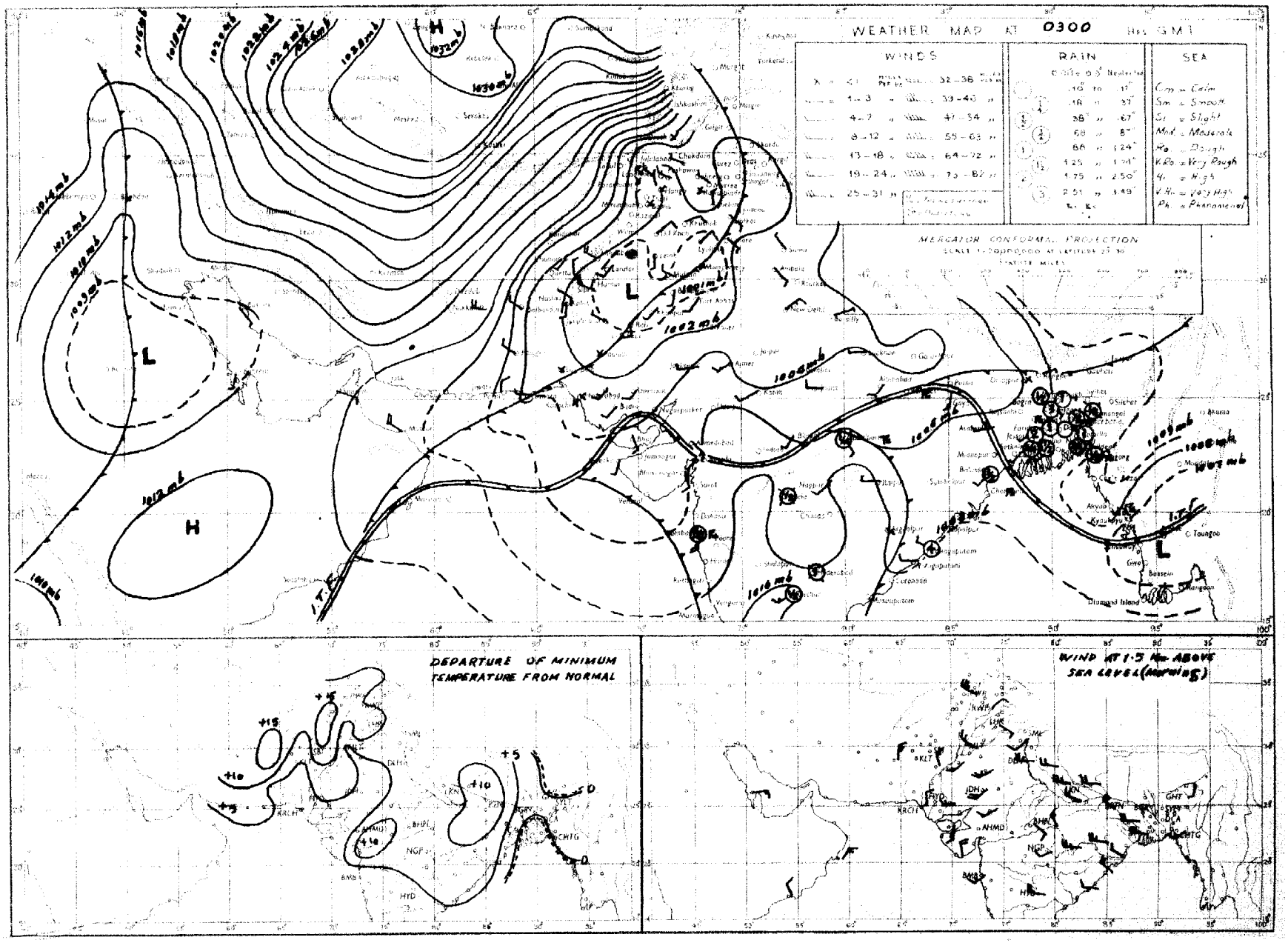
TUESDAY 16th OCTOBER 1951.



Rainfall amounts indicated in the above chart refer to past 9 hours

PAKISTAN DAILY WEATHER MAP

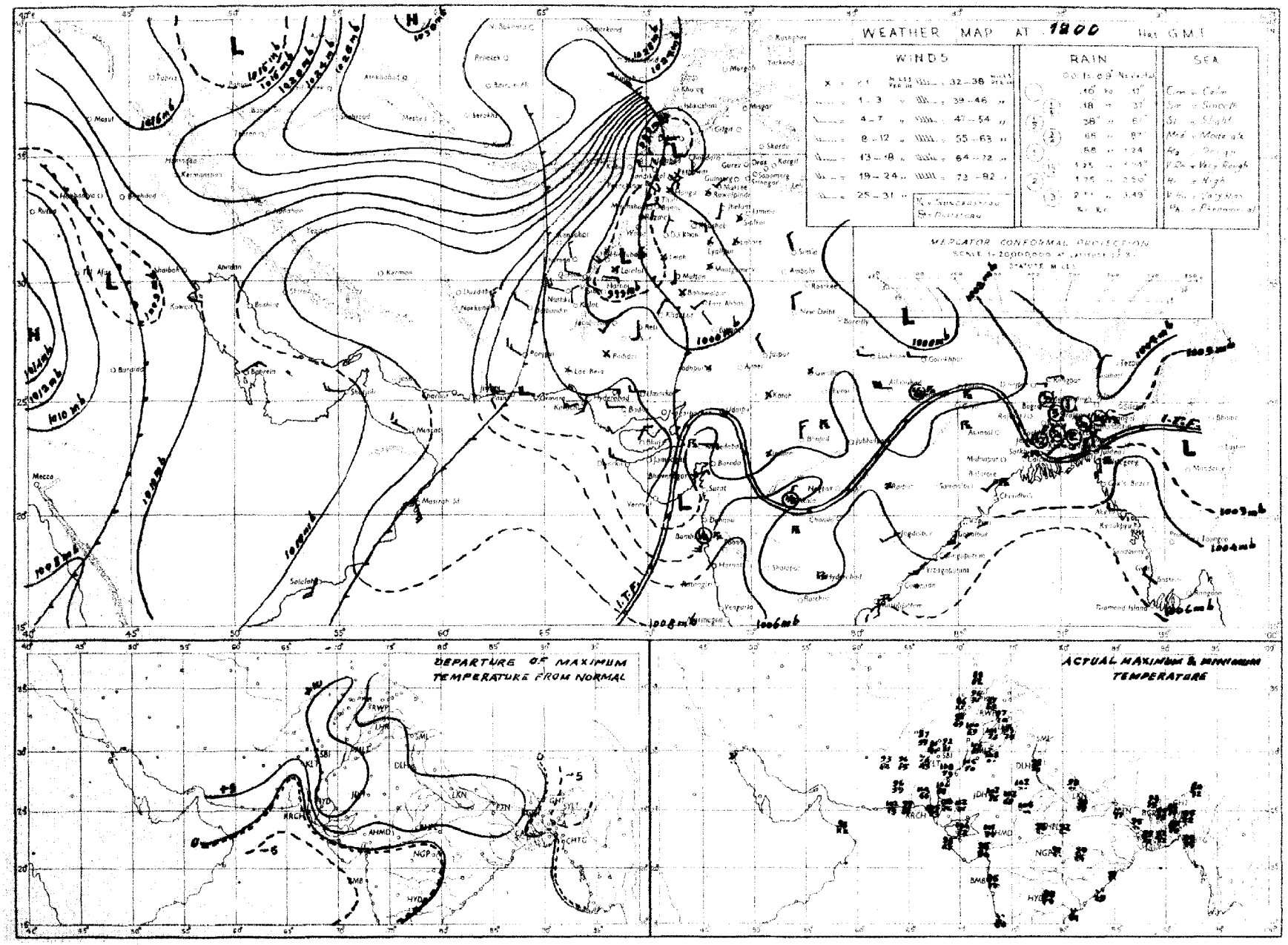
TUESDAY 16th. OCTOBER 1951



Rainfall amounts indicated in the above chart refer to past **24** *hours.*

PAKISTAN DAILY WEATHER MAP

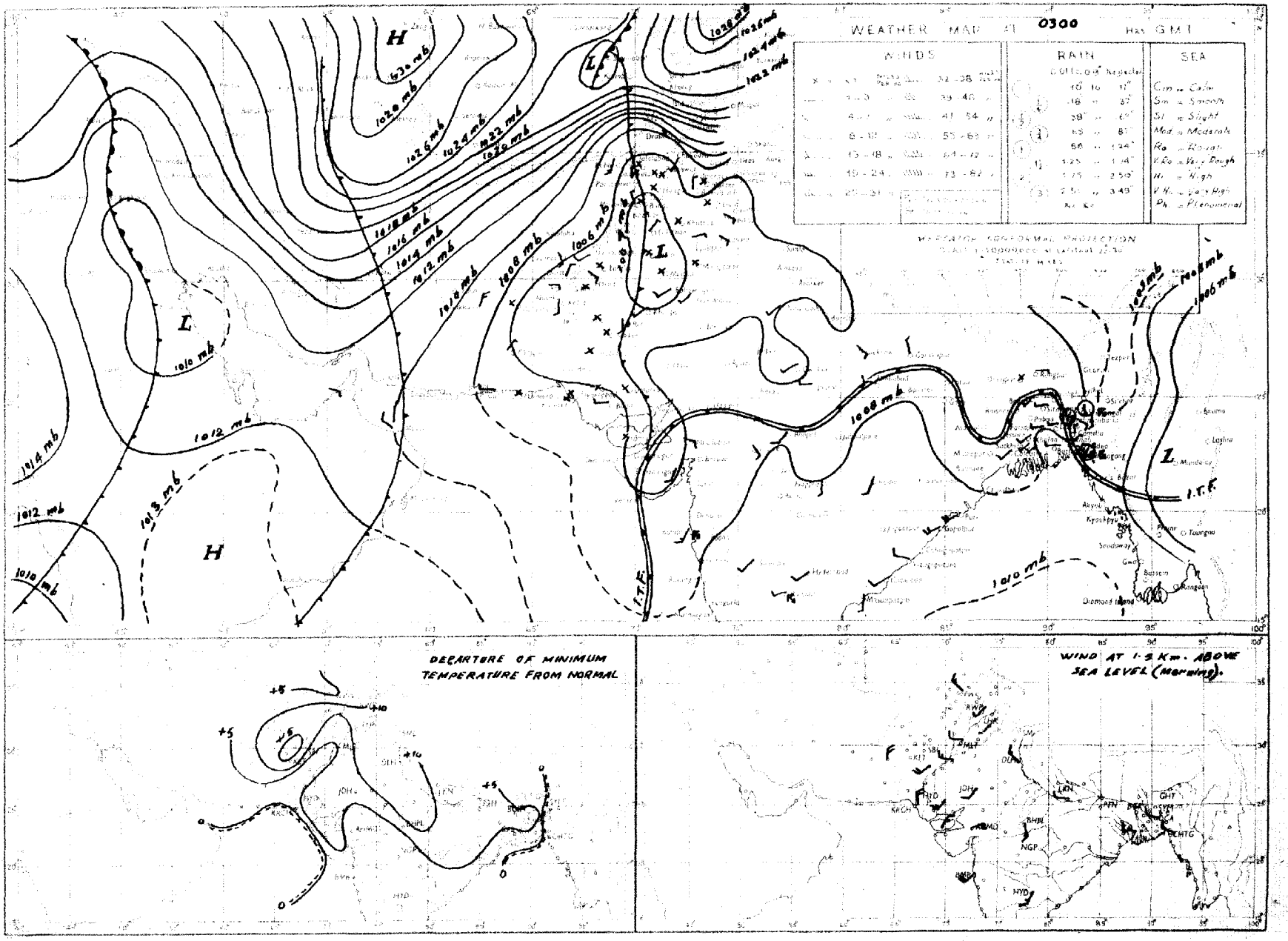
MONDAY 15th: OCTOBER 1951



Rainfall amounts indicated in the above chart refer to past 24 hours

PAKISTAN DAILY WEATHER MAP

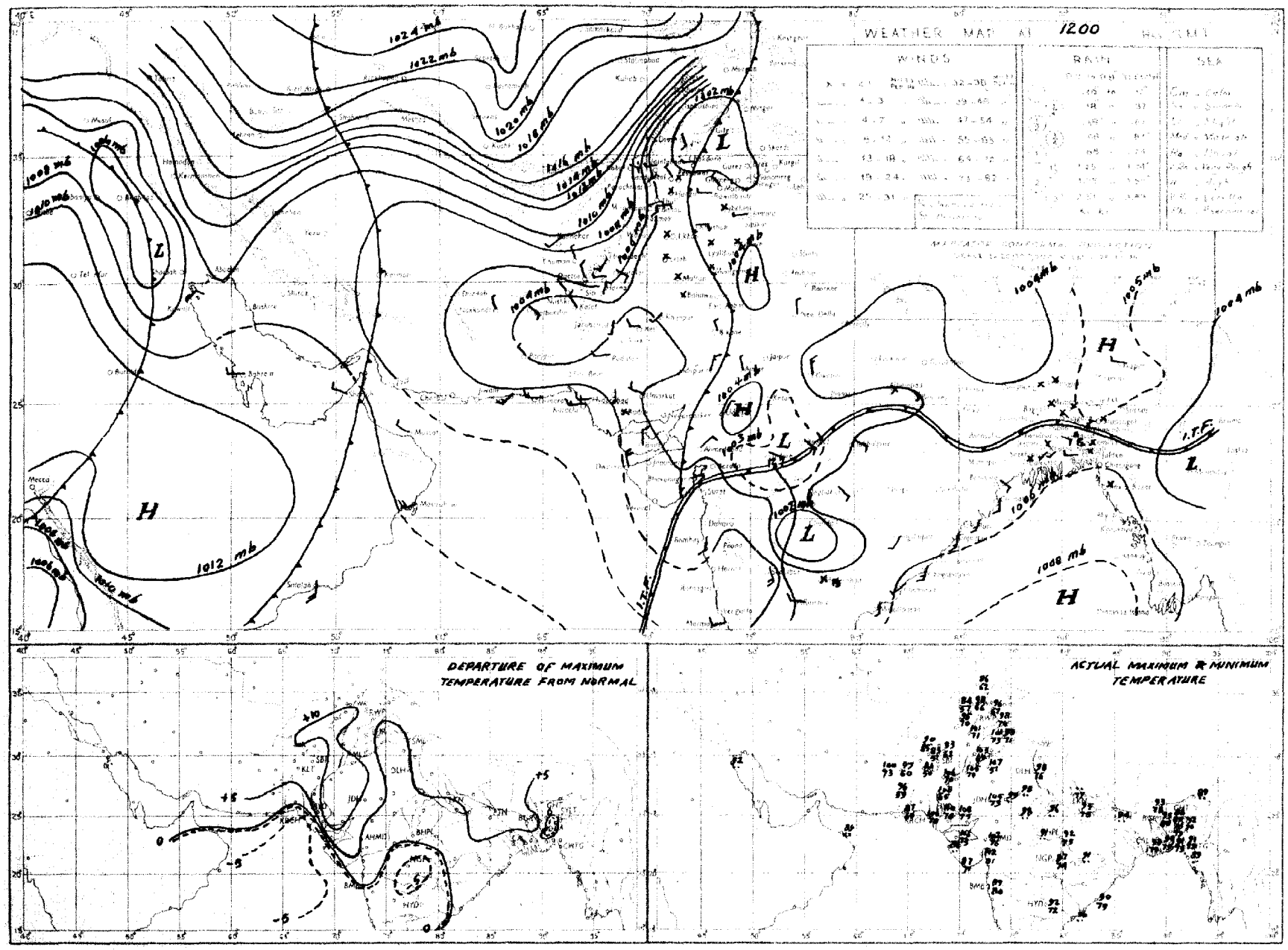
MONDAY 15th. OCTOBER 1951.



Pressure amounts indicated in the above chart refer to past 24 hours

PAKISTAN DAILY WEATHER MAP

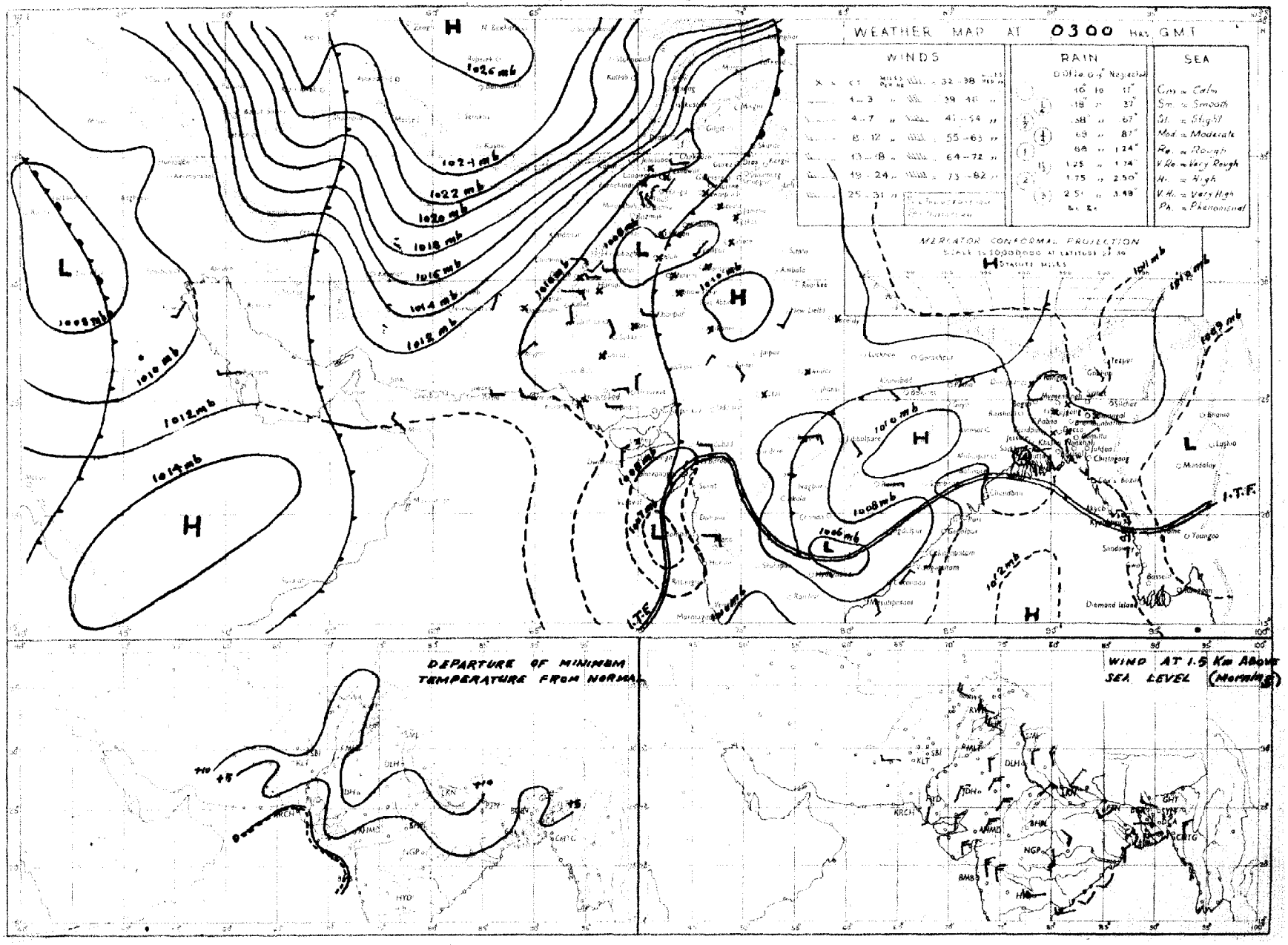
SUNDAY 14th. OCTOBER 1951.



Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER MAP

SUNDAY 14th. OCTOBER 1951

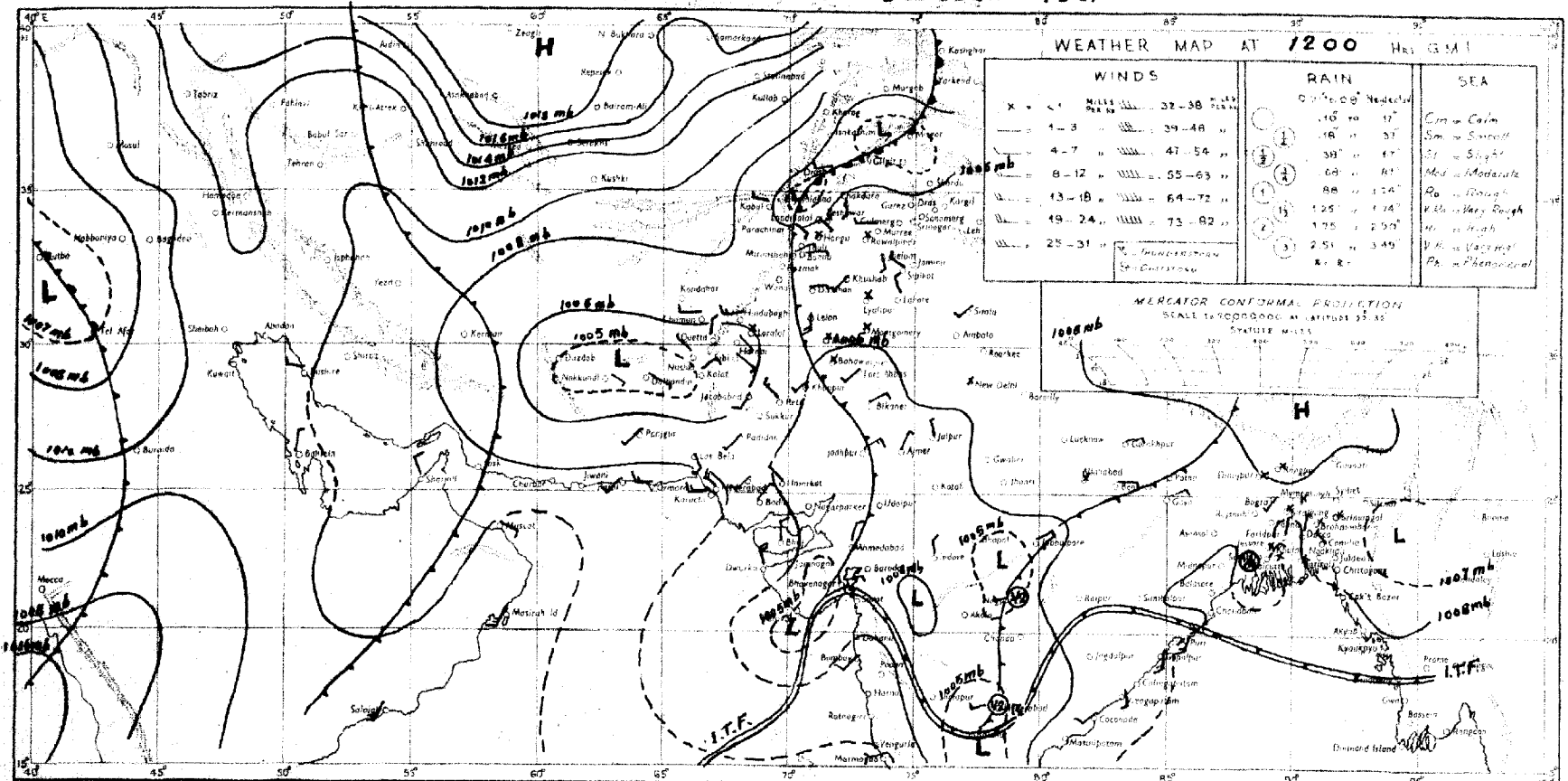


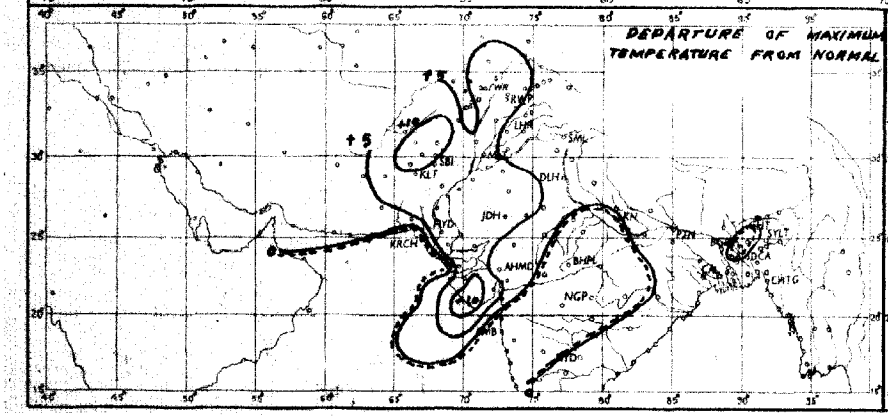
Rainfall amounts indicated in the above chart refer to past 24 hours

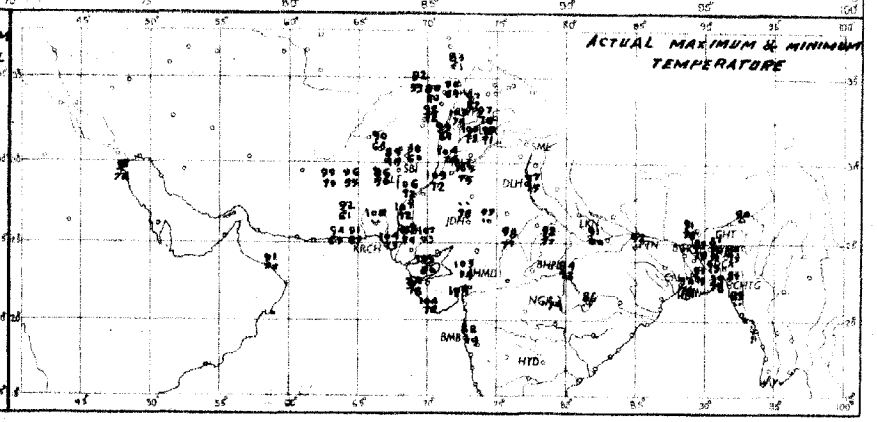
Printed at the Survey of Pakistan Office, Rawalpindi

PAKISTAN DAILY WEATHER MAP

SATURDAY. 13th. OCTOBER 1951



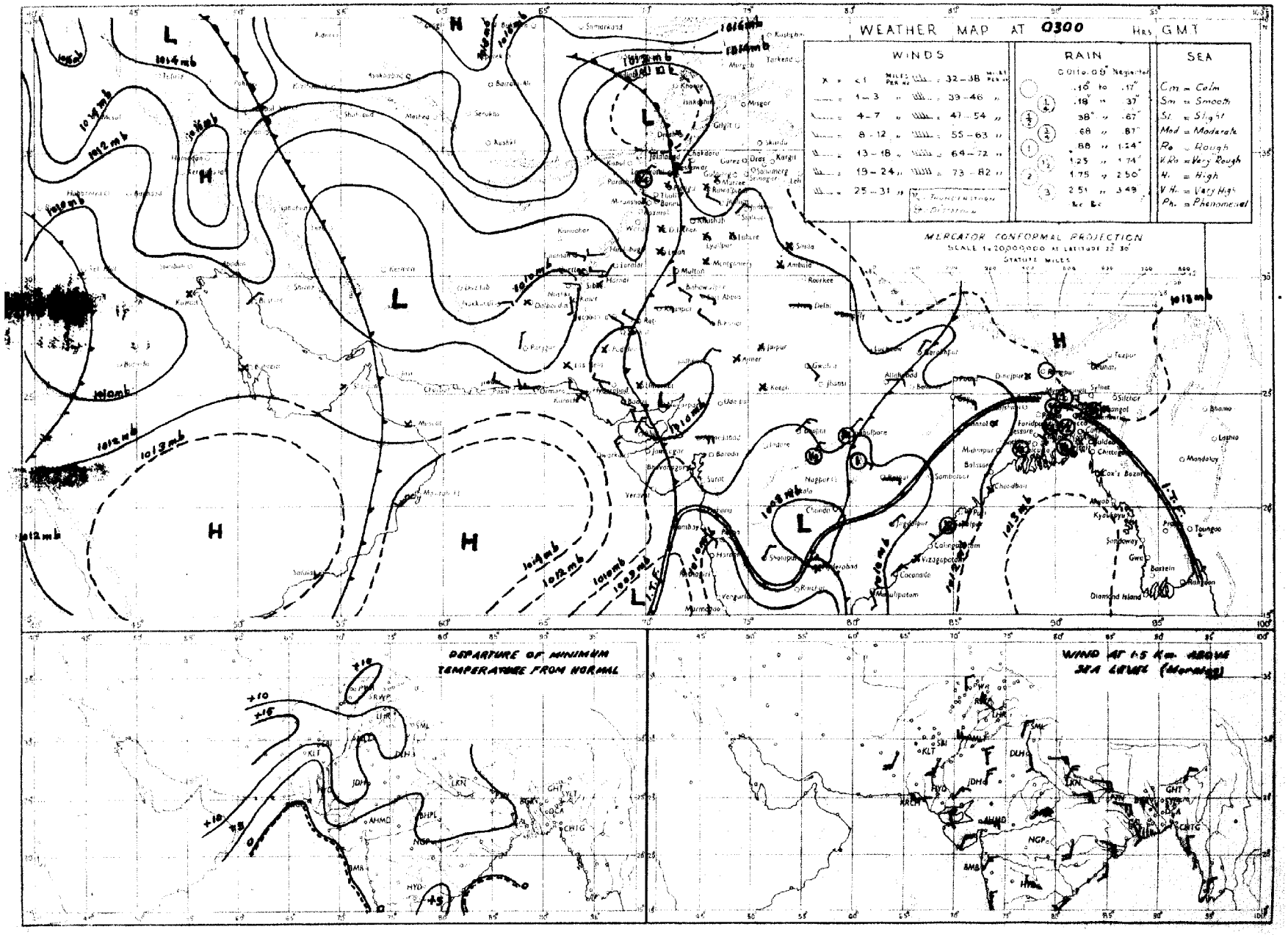




Rainfall amounts indicated in the above chart refer to past 9 hours

PAKISTAN DAILY WEATHER MAP

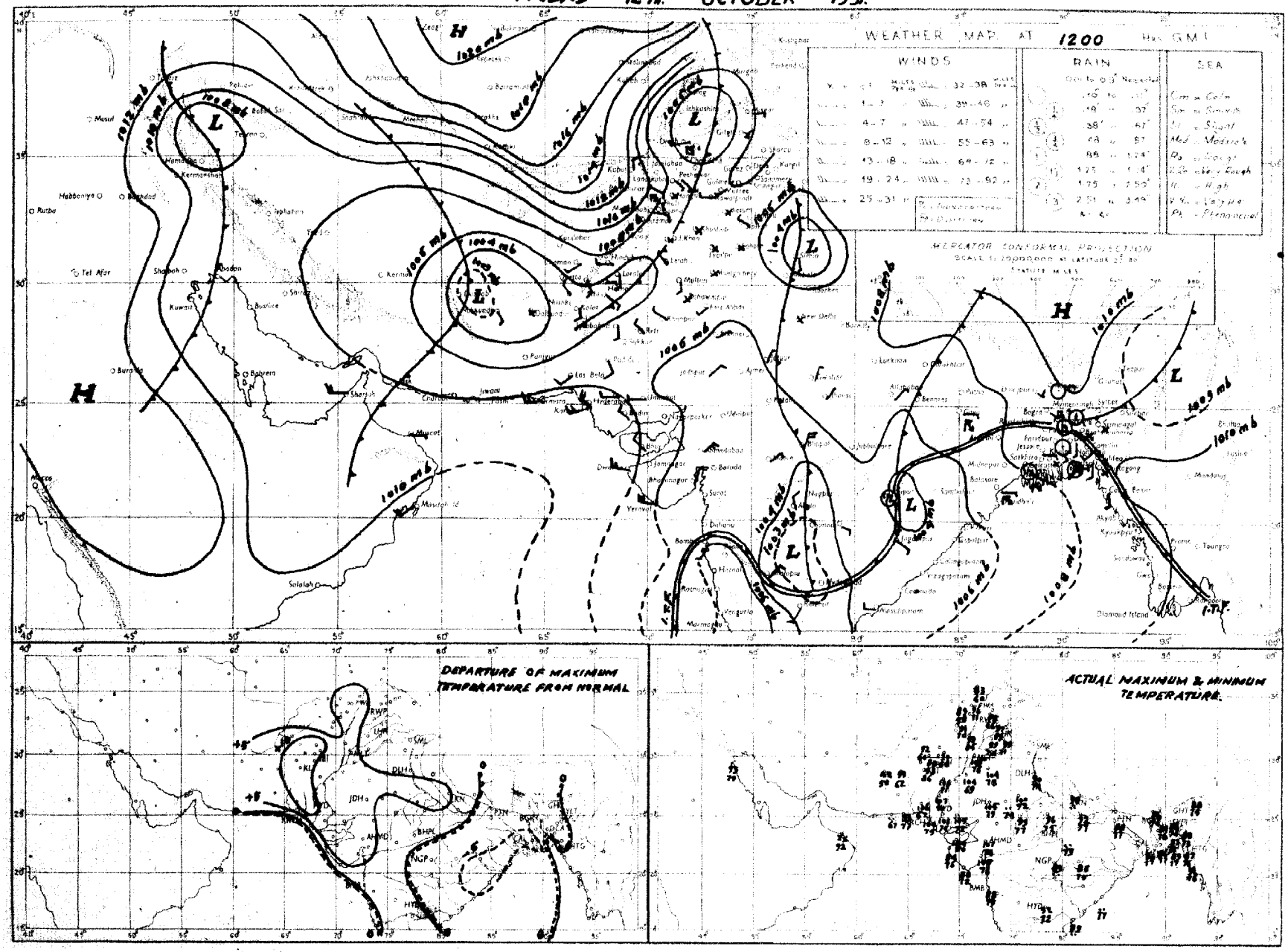
SATURDAY 13th. OCTOBER 1951.



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

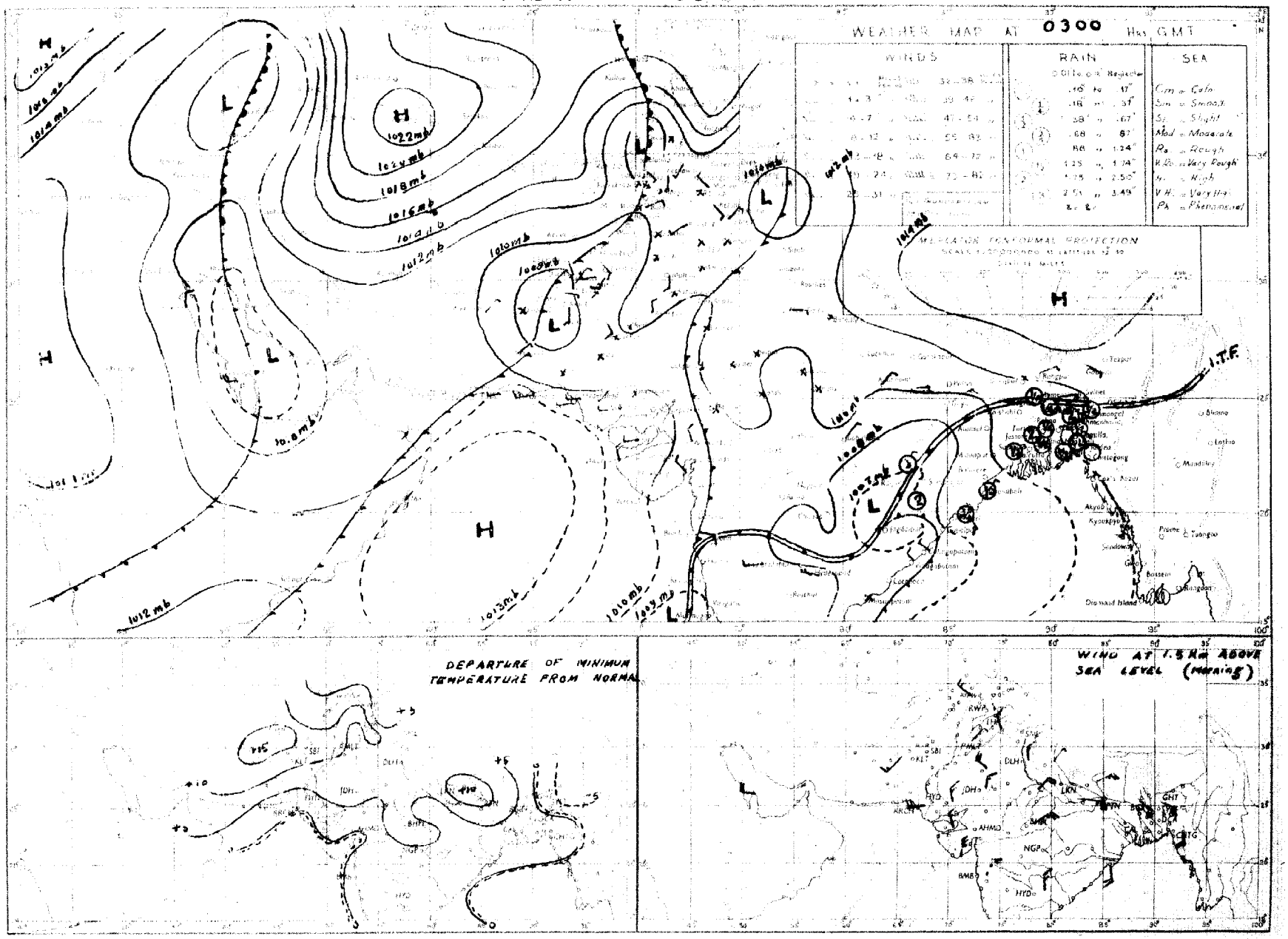
FRIDAY 12th. OCTOBER 1951.



Rainfall amounts indicated in the above chart refer to past 9 hours.

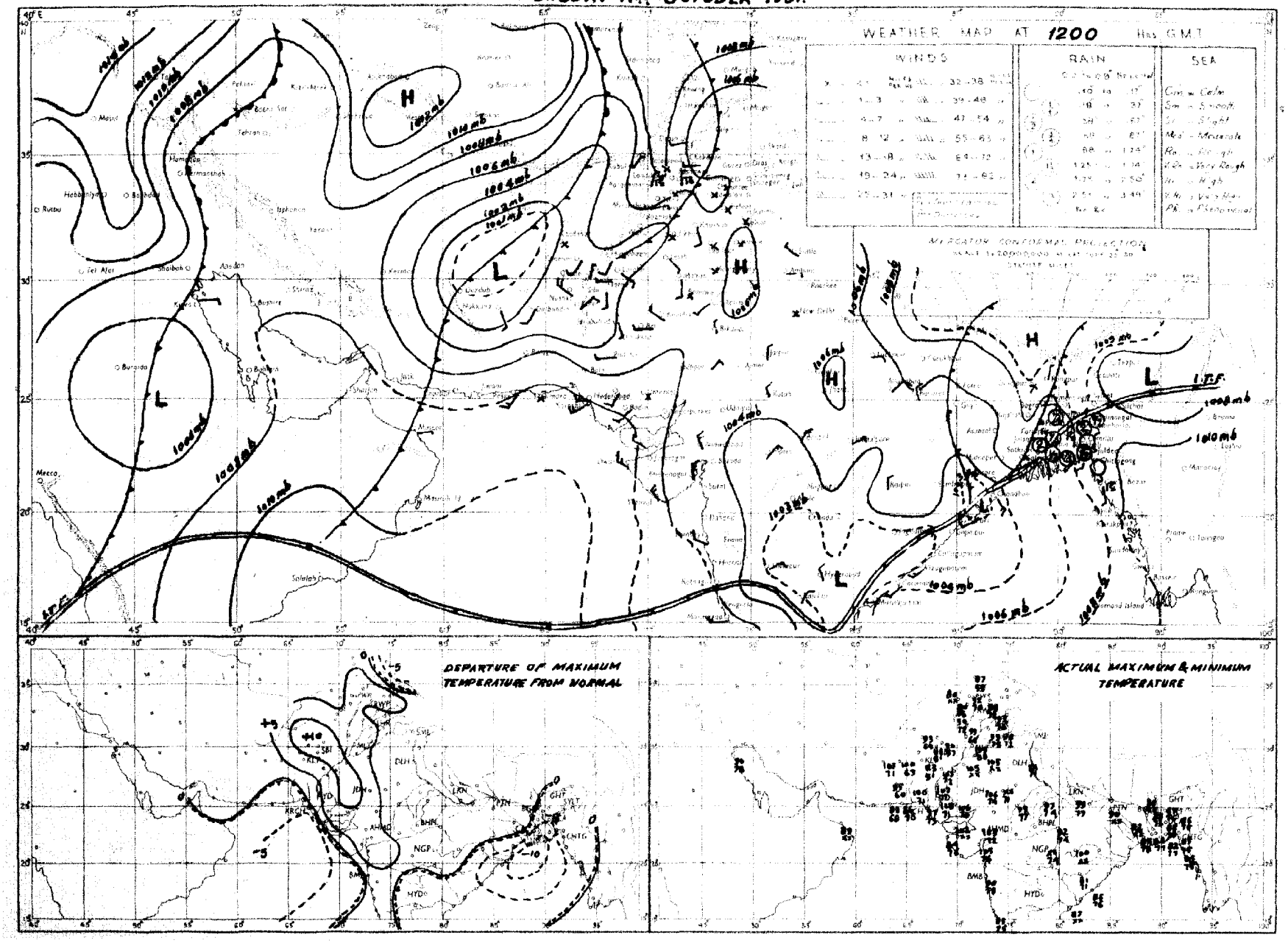
PAKISTAN DAILY WEATHER MAP

FRIDAY 12th OCTOBER 1951



PAKISTAN DAILY WEATHER MAP

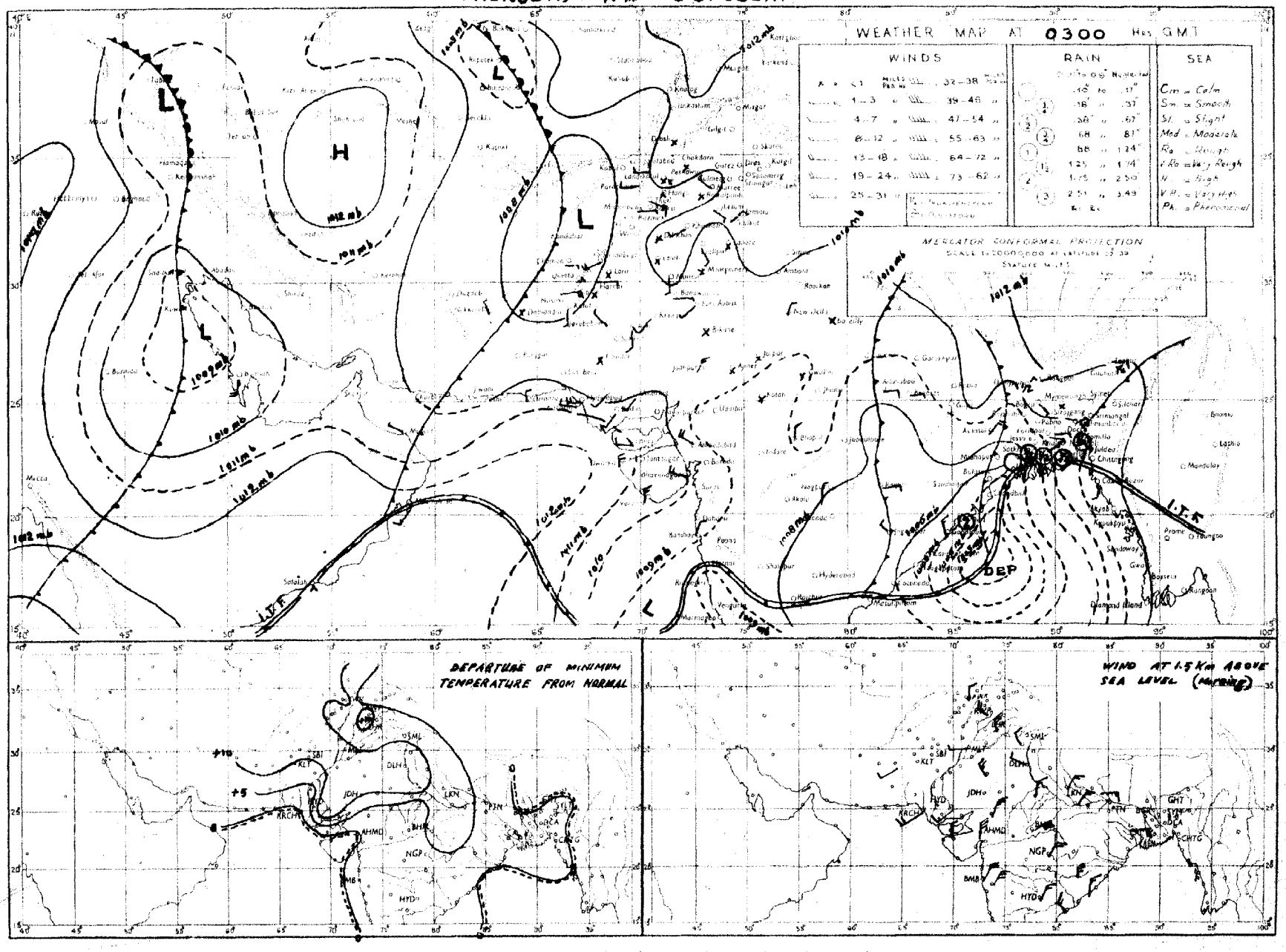
THURSDAY 11TH OCTOBER 1951.



Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER MAP

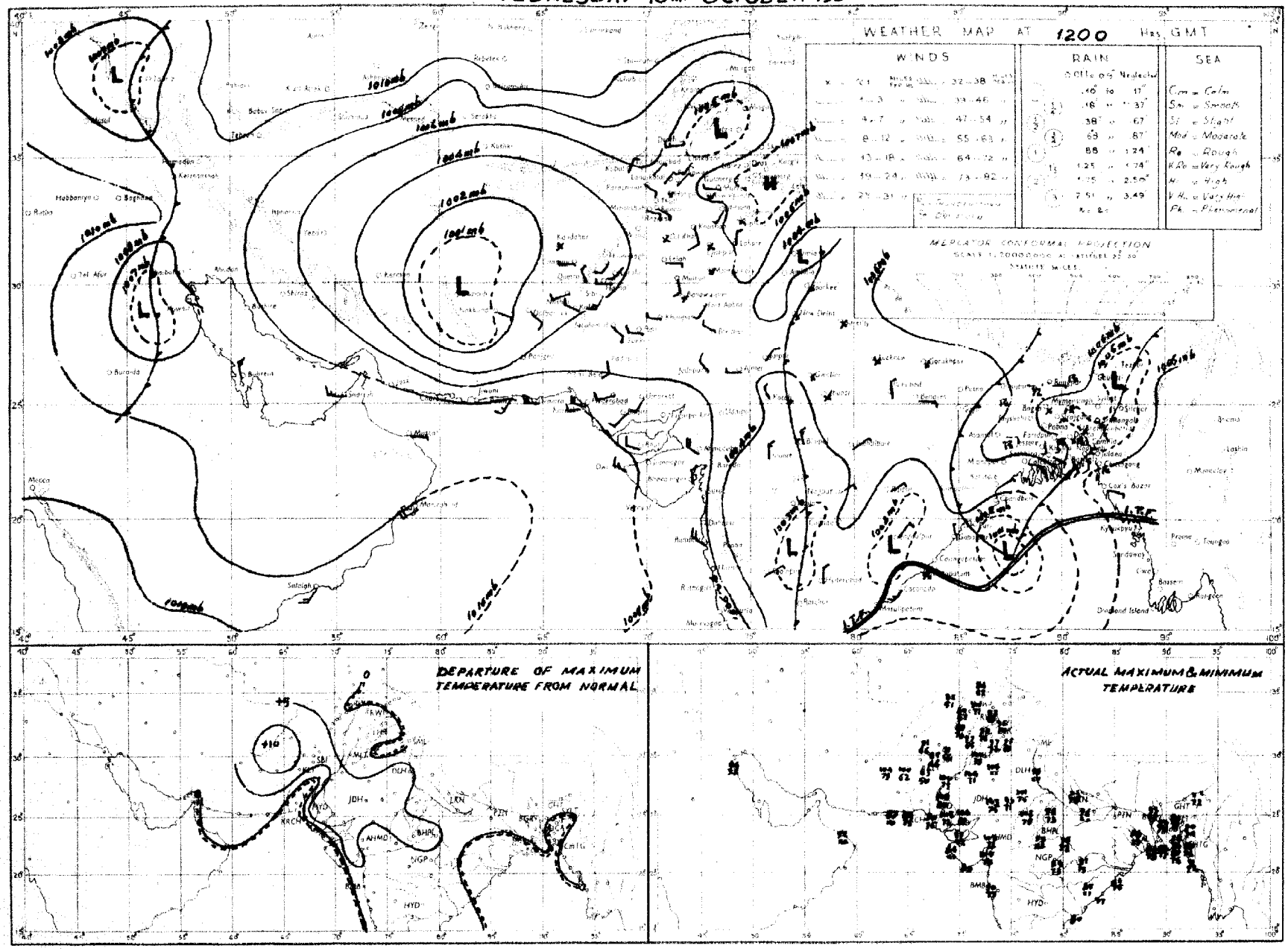
THURSDAY 11th. OCTOBER.



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

WEDNESDAY 10th OCTOBER 1951



Rainfall amounts indicated in the above chart refer to past 9 hours

Regd. No. S-1451.

WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G. M. T. on Wednesday, the 24th October. 1951.

MAY 9 1952

—o:O:o—

SUMMARY OF WEATHER.

Except for light to moderate rain in East Pakistan on the first three days and in the north Punjab hills on the 19th, Weather remained dry over the country.

Some of the noteworthy amounts of rainfall recorded during the week were:- Bogra 2", Barisal 1", Srimangal and Dinajpur ¾" each on the 18th; Sirajganj 2", Srimangal 1½" and Mymensingh ½" on the 19th; Mymensingh 1½" and Jessore ½" on the 20th.

Day temperatures were appreciably to markedly above normal in West Pakistan outside lower Sind and south Baluchistan practically throughout the week.

2. EAST PAKISTAN: Rainfall was nearly general in the Northern sub-division on the 18th and local in the Eastern and Northern sub-divisions on the 19th. A few falls were also recorded in the Eastern and Deltaic sub-divisions on the 18th and 20th and in the Northern sub-division on the 20th.

KASHMIR: Data not available

PUNJAB: A few falls occurred over the hills of the north Punjab on one day.

NORTH-WEST FRONTIER PROVINCE: Weather remained dry.

BALUCHISTAN: Weather continued dry.

SIND: Weather continued dry.

JUNAGADH: Data not available.

3. The week's rainfall was in large excess in the Northern sub-division, dificient in the Eastern sub-division and scanty in the Deltaic sub-division of East Pakistan. No rain fell in West Pakistan.

Rainfall for the period from 1st June, 1951 to date was normal in East Pakistan. It was deficient in the north Punjab and Baluchistan and scanty elsewhere.

4. The table overleaf summarises the rainfall statistics for the eleven sub-divisions of Pakistan both for the week and for the period from 1st June, 1951 to date.

KARACHI-11.
The 24th October, 1951

MOHAMMAD SHABBAR,
for Director, Meteorological Service.

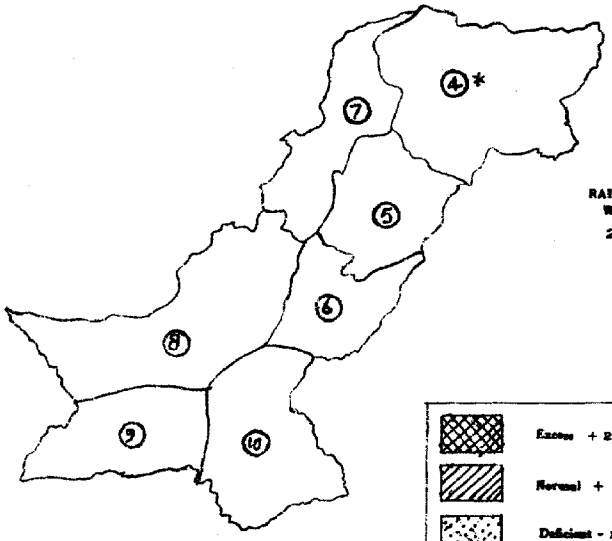
WEEKLY WEATHER REPORT

Division	Rainfall for week ending on 24th October, 1951.			Rainfall for period from 1-6-1951 to 24th October, 1951.			
	Actual †	Normal	Excess or defect	Actual †	Normal	* Excess or defect	
						Inches	Per cent
1	2	3	4	5	6	7	8
1. East Pakistan (East)	0.5	1.2	—0.7	85.0	72.2	+12.8	+ 18
2. East Pakistan (Deltaic)	0.3	0.8	—0.5	45.0	52.3	- 7.3	- 14
3. East Pakistan (North)	1.6	0.9	- 0.7	53.0	57.8	- 4 8	- 8
4. Kashmir ††	....	....	....	....	....	....	....
5. North Punjab	0	0.1	- 0.1	9.1	16.4	- 7.3	- 45
6. South Punjab	0	0	- 0	1.9	5.4	- 3.5	- 66
7. N. W. F. P.	0	0	- 0	2.0	5.0	- 3.0	- 60
8. North Baluchistan	0	0.1	- 0.1	1.3	2.9	- 1.6	- 54
9. South Baluchistan	0	0	0	0.6	1.0	- 0.4	- 40
10. Sind	0	0	- 0	1.9	5.4	- 3.5	- 64
11. Junagadh ††	....	....	....	....	....	....	....

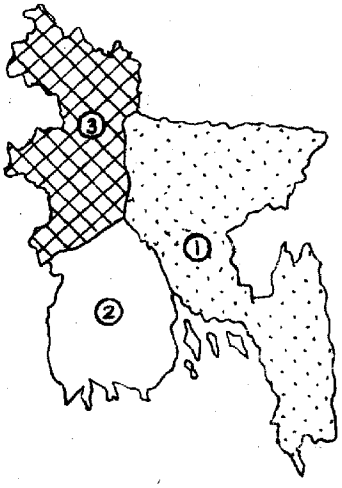
* In the calculation of excesses and defects, and their percentages, rainfall figures are taken correct to 0·01″.

† Rainfall of stations having no normals is not included.

†† Data not available



RAINFALL FOR THE WEEK ENDING 24-10-1951



Excess + 20 % or more

Normal + 19% to - 19 %

Deficient - 20% to - 59 %

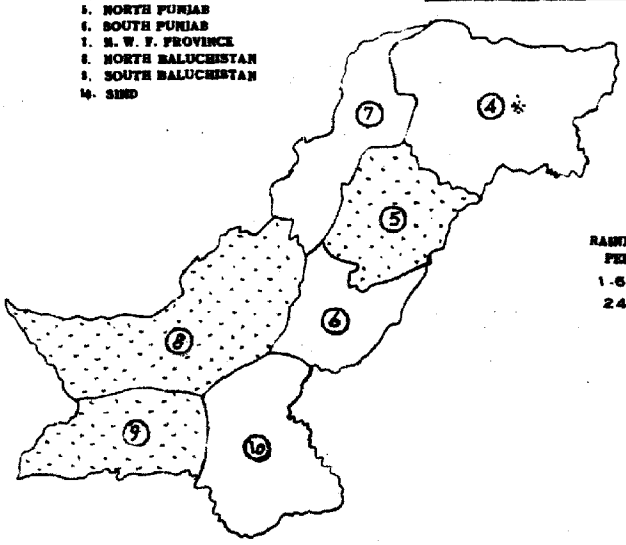
Scanty - 60 % or less

WEST PAKISTAN

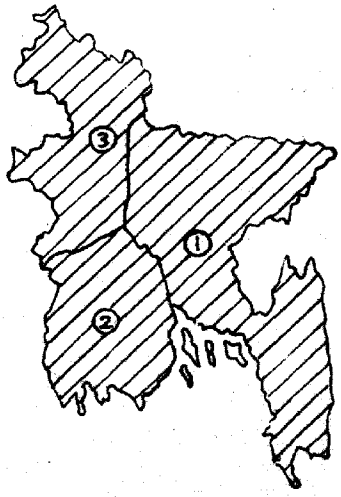
4. KASHMIR
5. NORTH PUNJAB
6. SOUTH PUNJAB
7. N. W. F. PROVINCE
8. NORTH BALUCHISTAN
9. SOUTH BALUCHISTAN
10. SIND

EAST PAKISTAN

1. EAST PAKISTAN (EAST)
2. EAST PAKISTAN (DELTAIC)
3. EAST PAKISTAN (NORTH)



RAINFALL FOR THE PERIOD FROM 1-6-1951 TO 24-10-1951



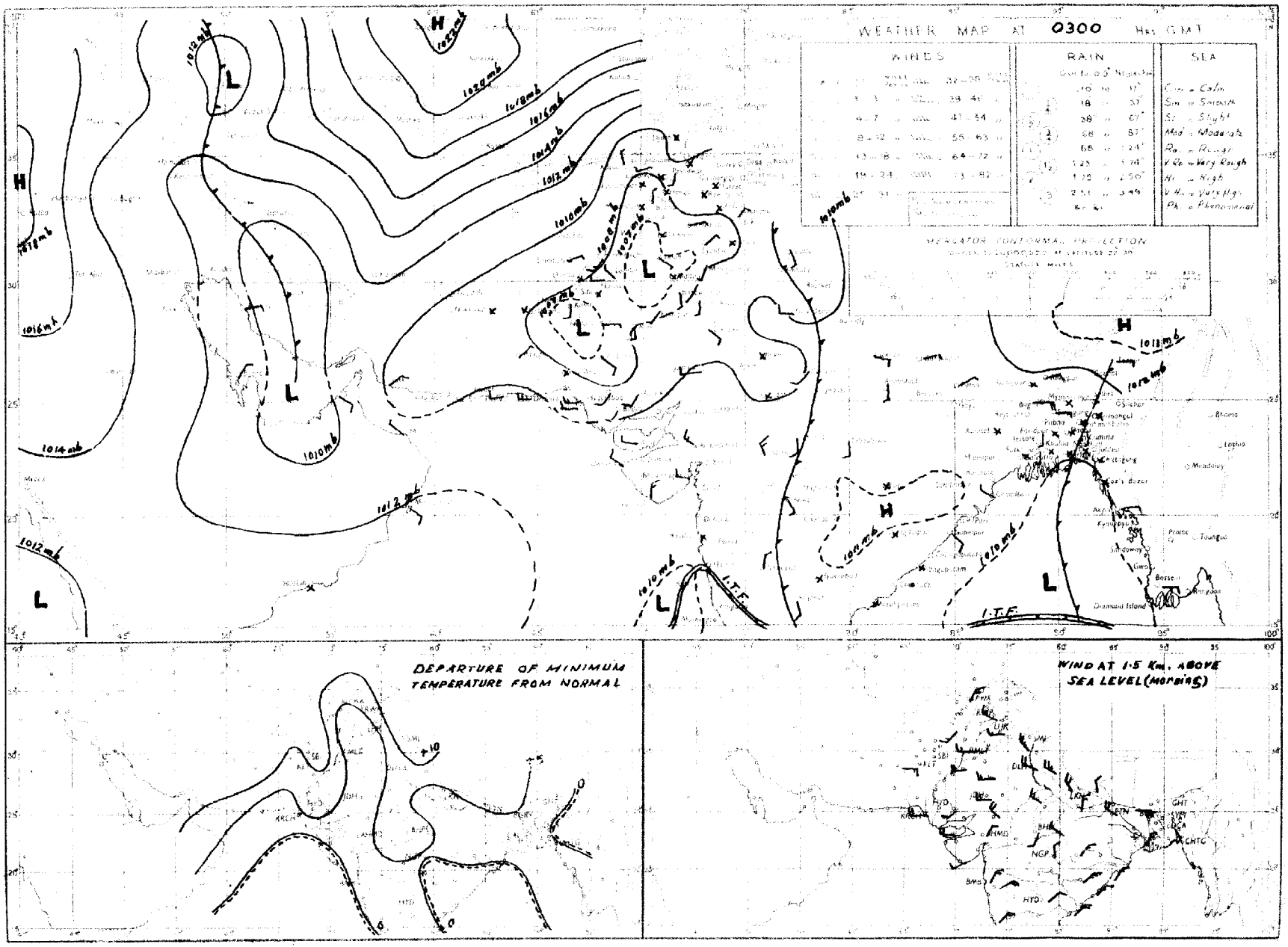
SCALE—[illegible] MILES=1″

SCALE—[illegible] MILES=1″

* Data not available.

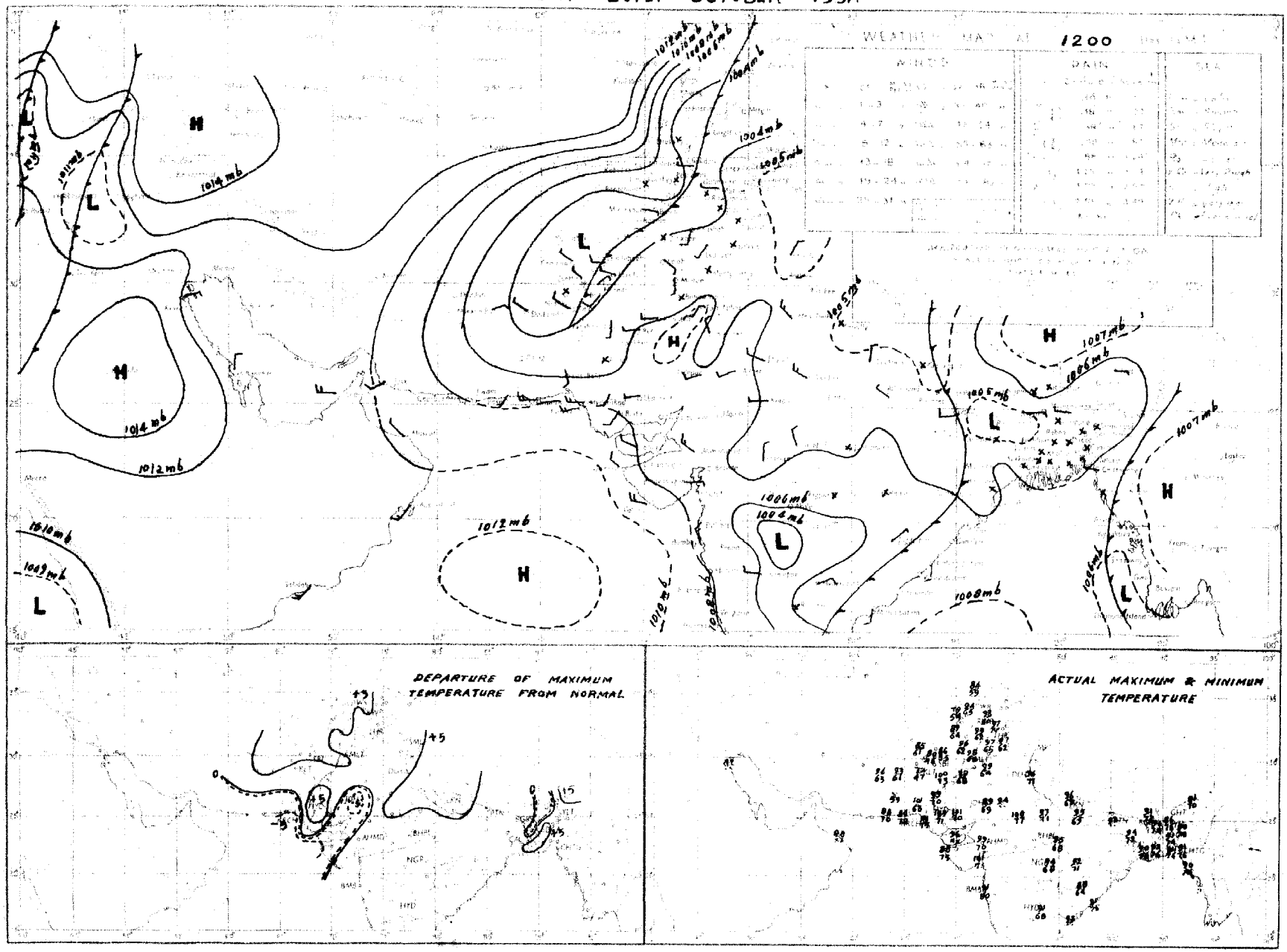
PAKISTAN DAILY WEATHER MAP

WEDNESDAY 24th: OCTOBER 1951



PAKISTAN DAILY WEATHER MAP

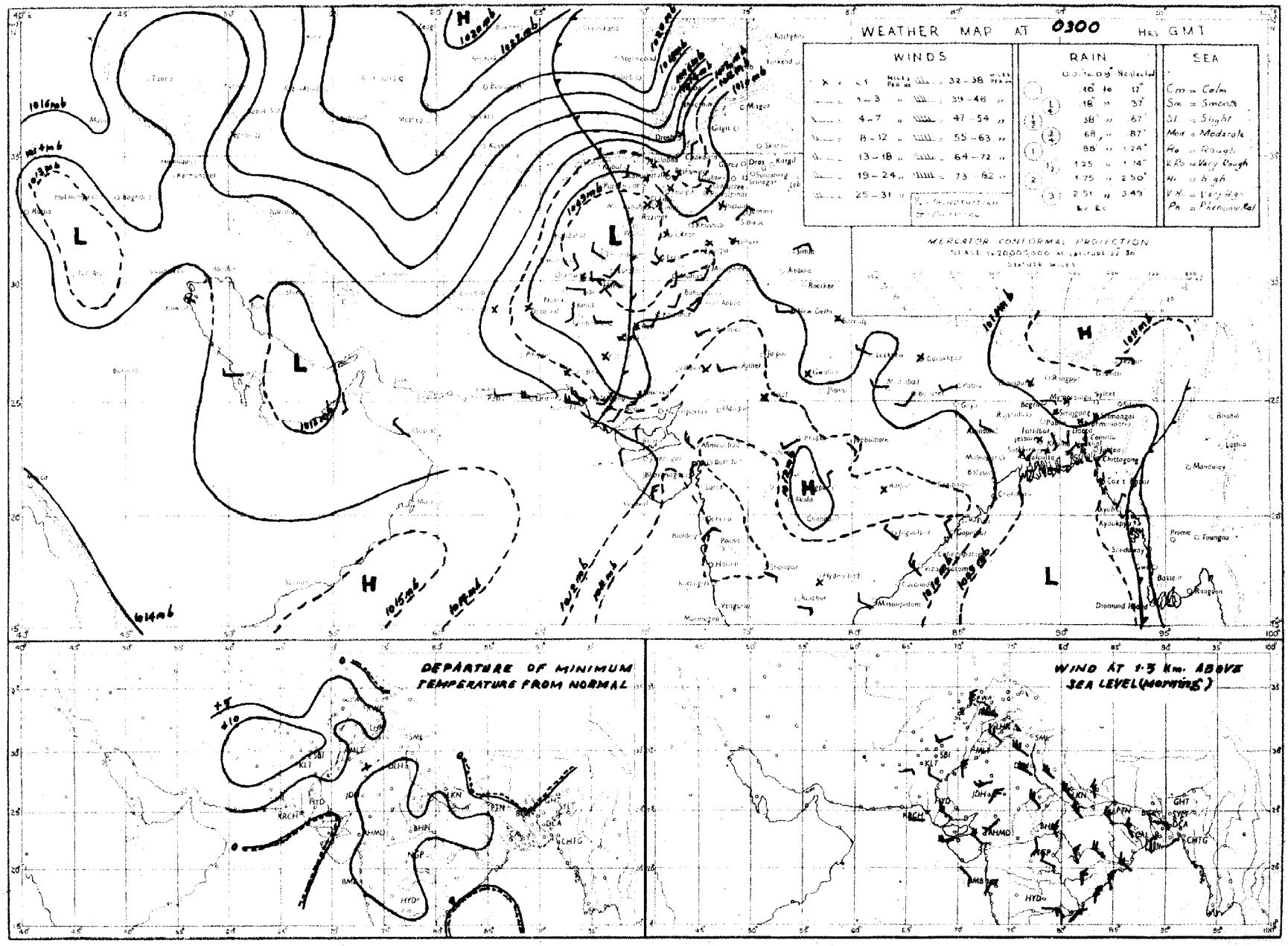
TUESDAY 23rd: OCTOBER 1951.



Rainfall amounts indicated in the [illegible] refer to [illegible]

PAKISTAN DAILY WEATHER MAP

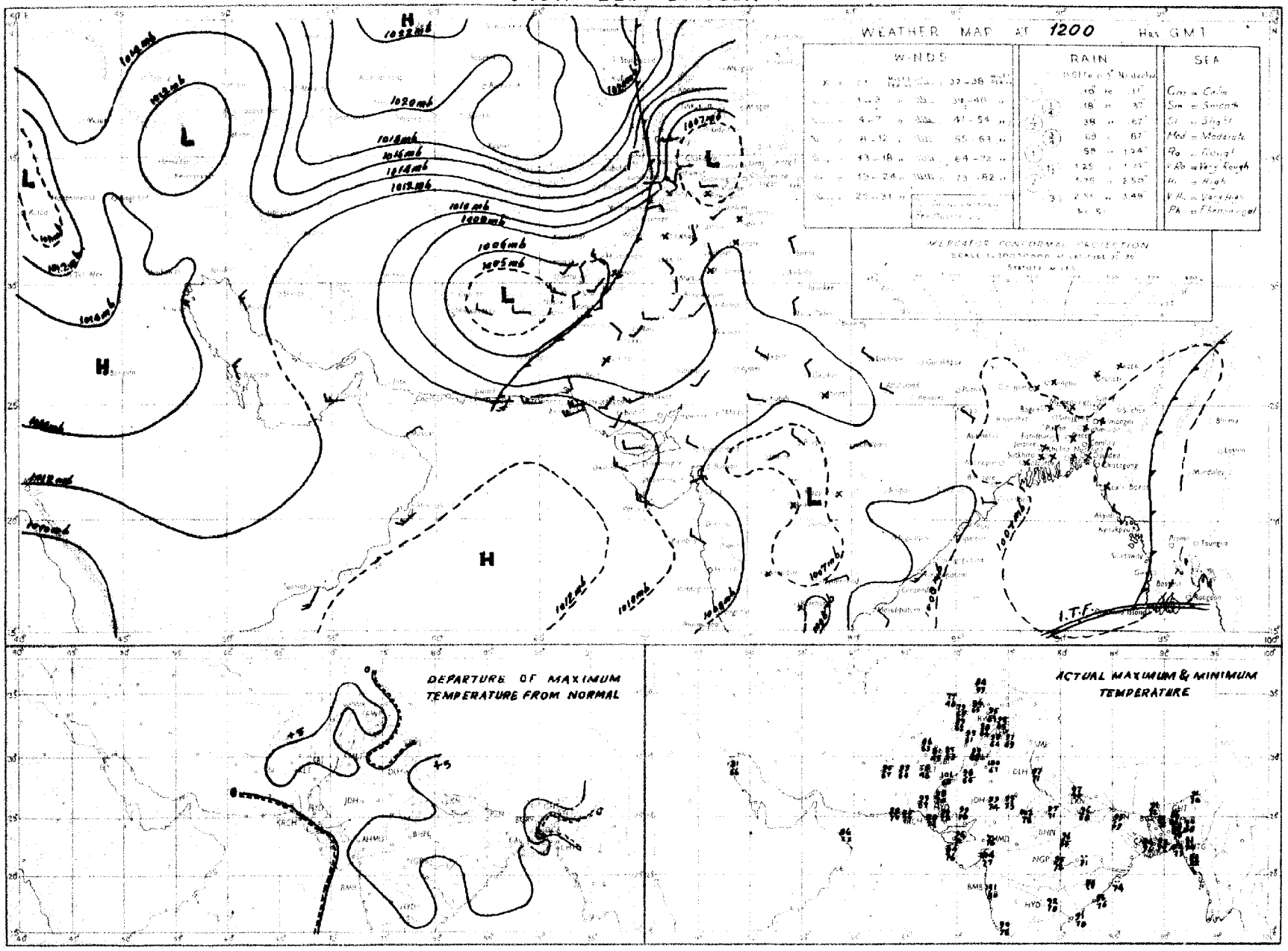
TUESDAY 23rd OCTOBER 1951



Rainfall amounts indicated in the above chart refer to past 24 hours.

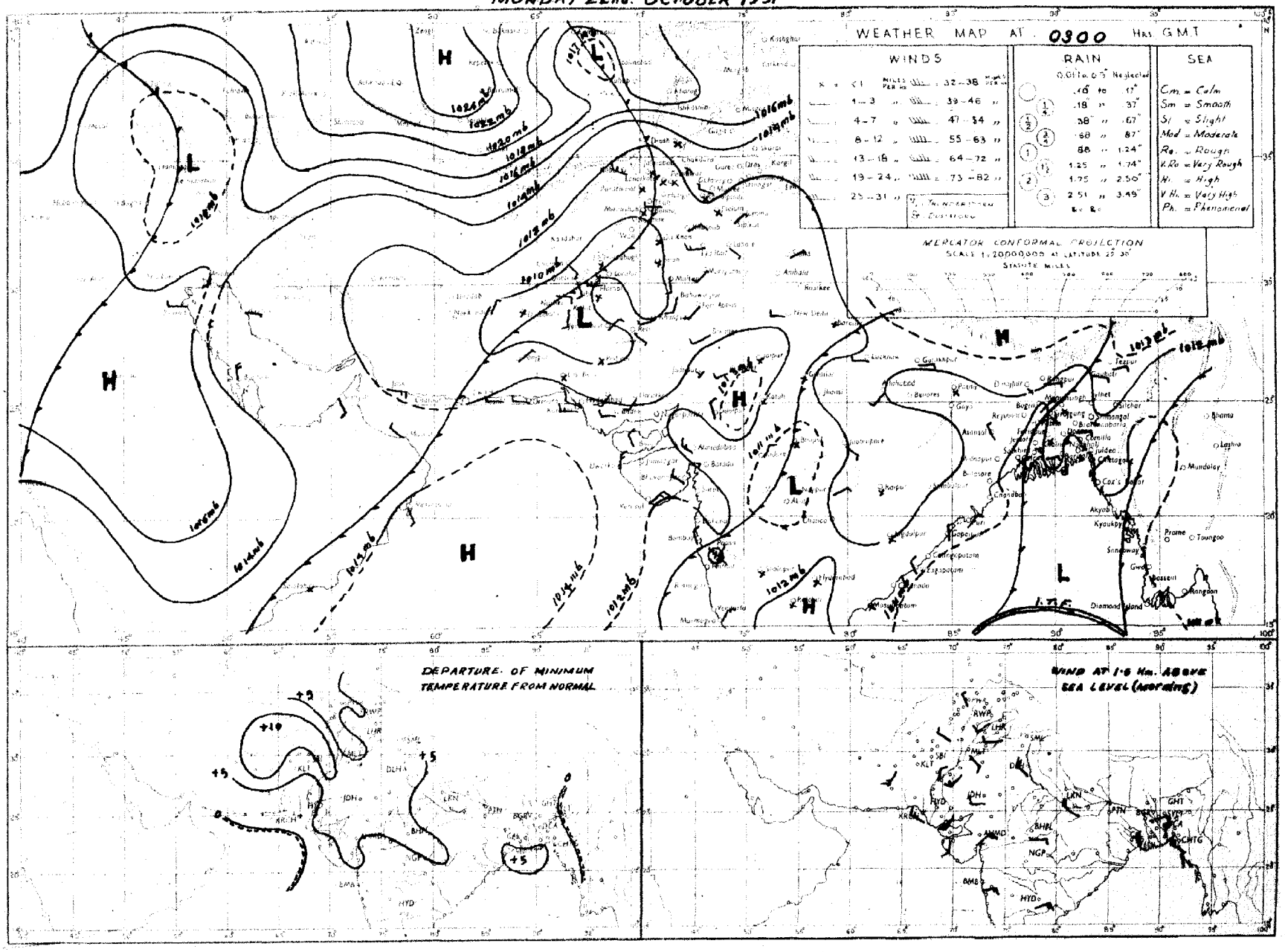
PAKISTAN DAILY WEATHER MAP

MONDAY 22nd OCTOBER 1951



PAKISTAN DAILY WEATHER MAP

MONDAY 22nd: OCTOBER 1951

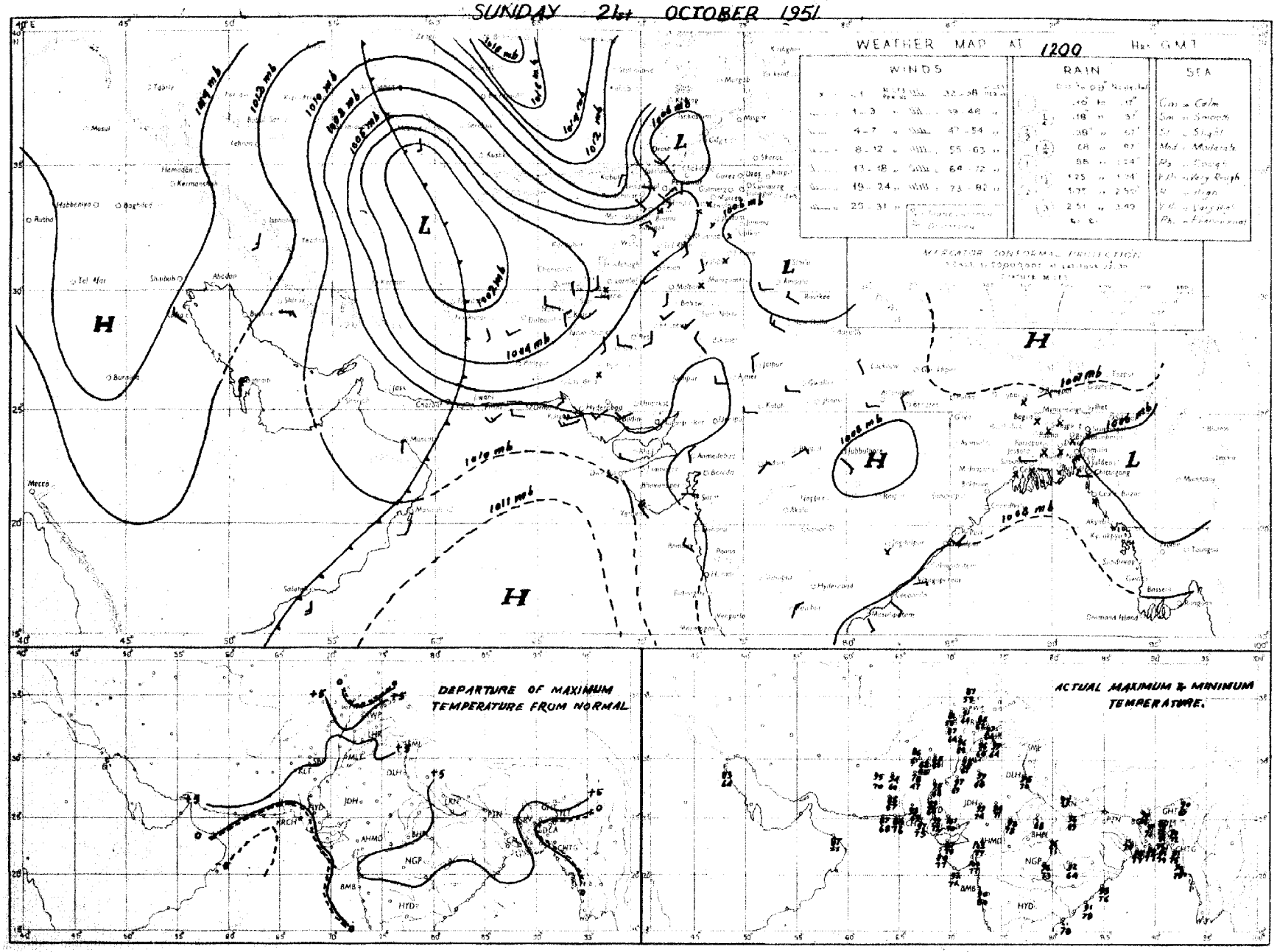


Rainfall amounts indicated in the above chart refer to past 24 *hours*

PRINTED AT THE SURVEY OF PAKISTAN OFFICES, RAWALPINDI.

PAKISTAN DAILY WEATHER MAP

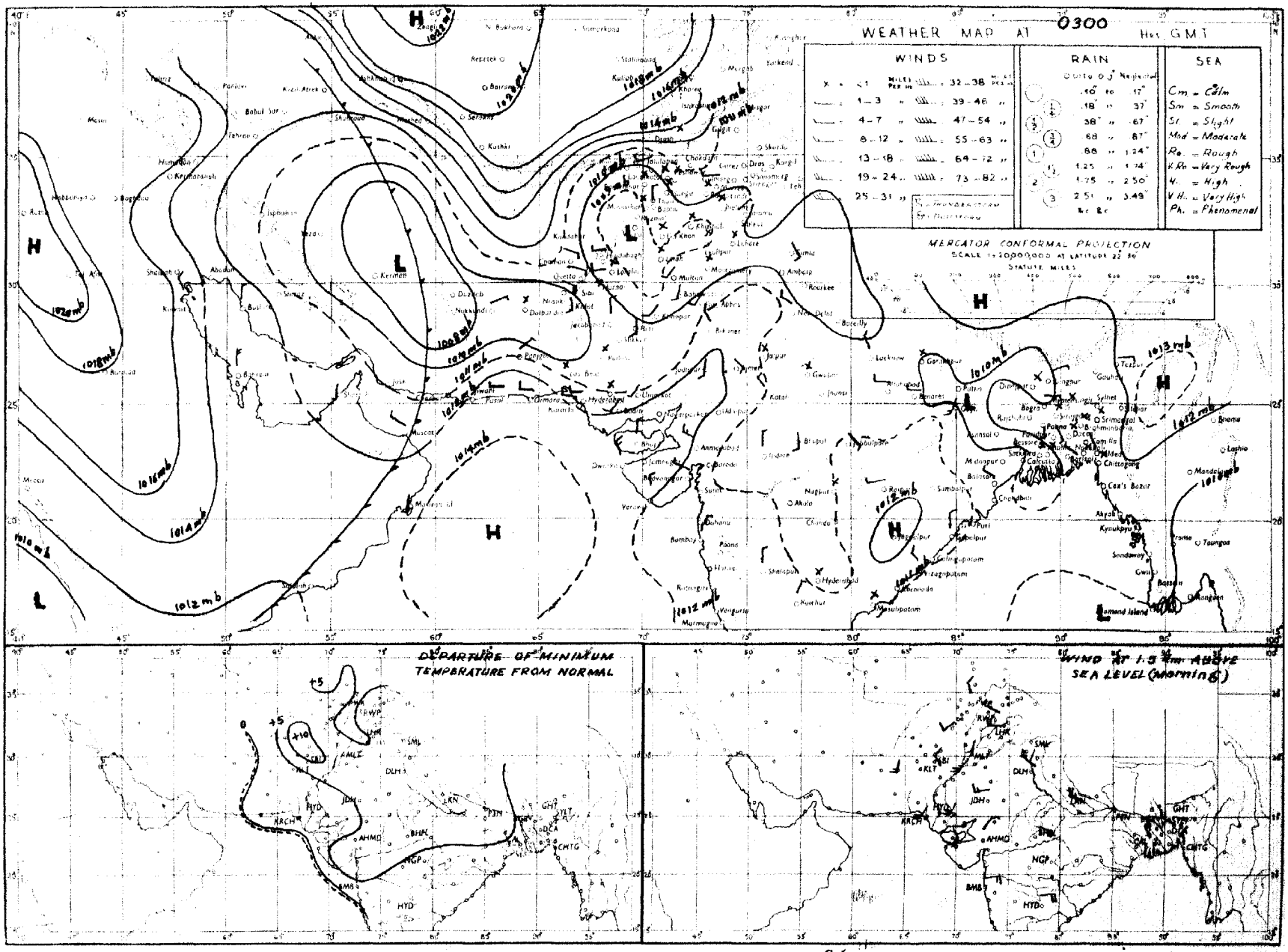
SUNDAY 21st OCTOBER 1951



Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER MAP

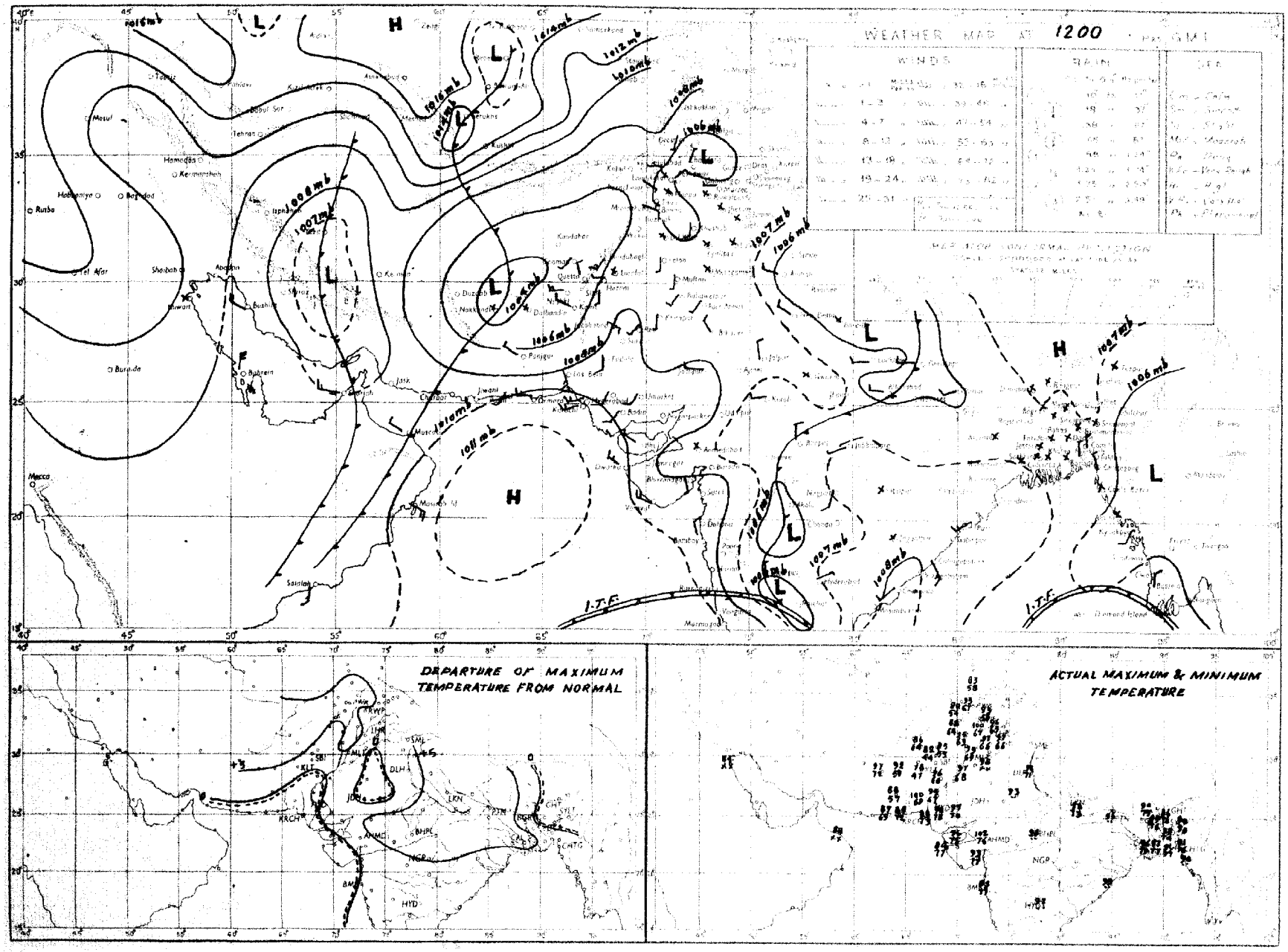
SUNDAY 21st OCTOBER 1951



Rainfall amounts indicated in the above chart refer to past 24 hours

PAKISTAN DAILY WEATHER MAP

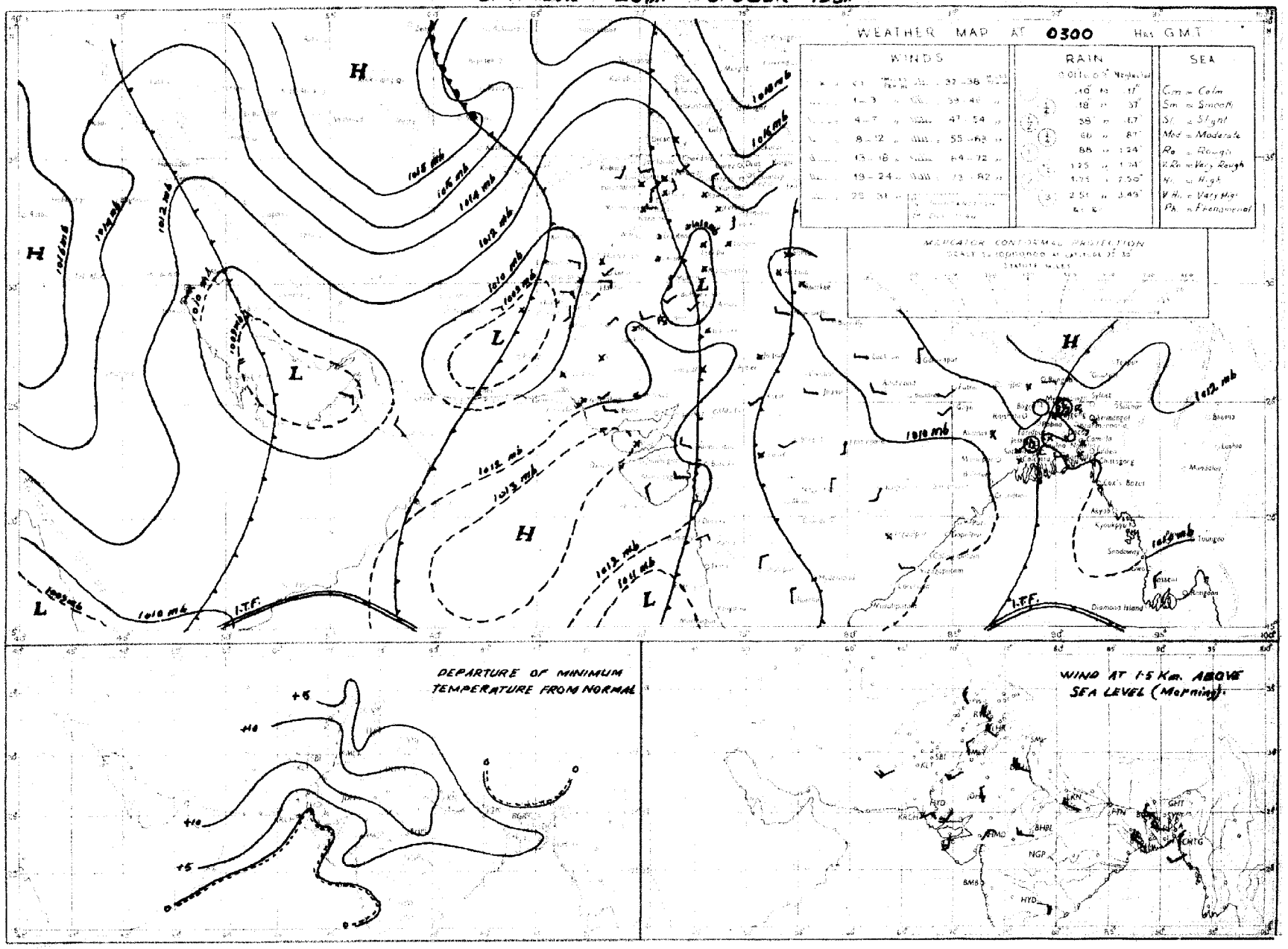
SATURDAY 20th: OCTOBER 1951



Rainfall amounts indicated in the above chart refer to past 9 hours

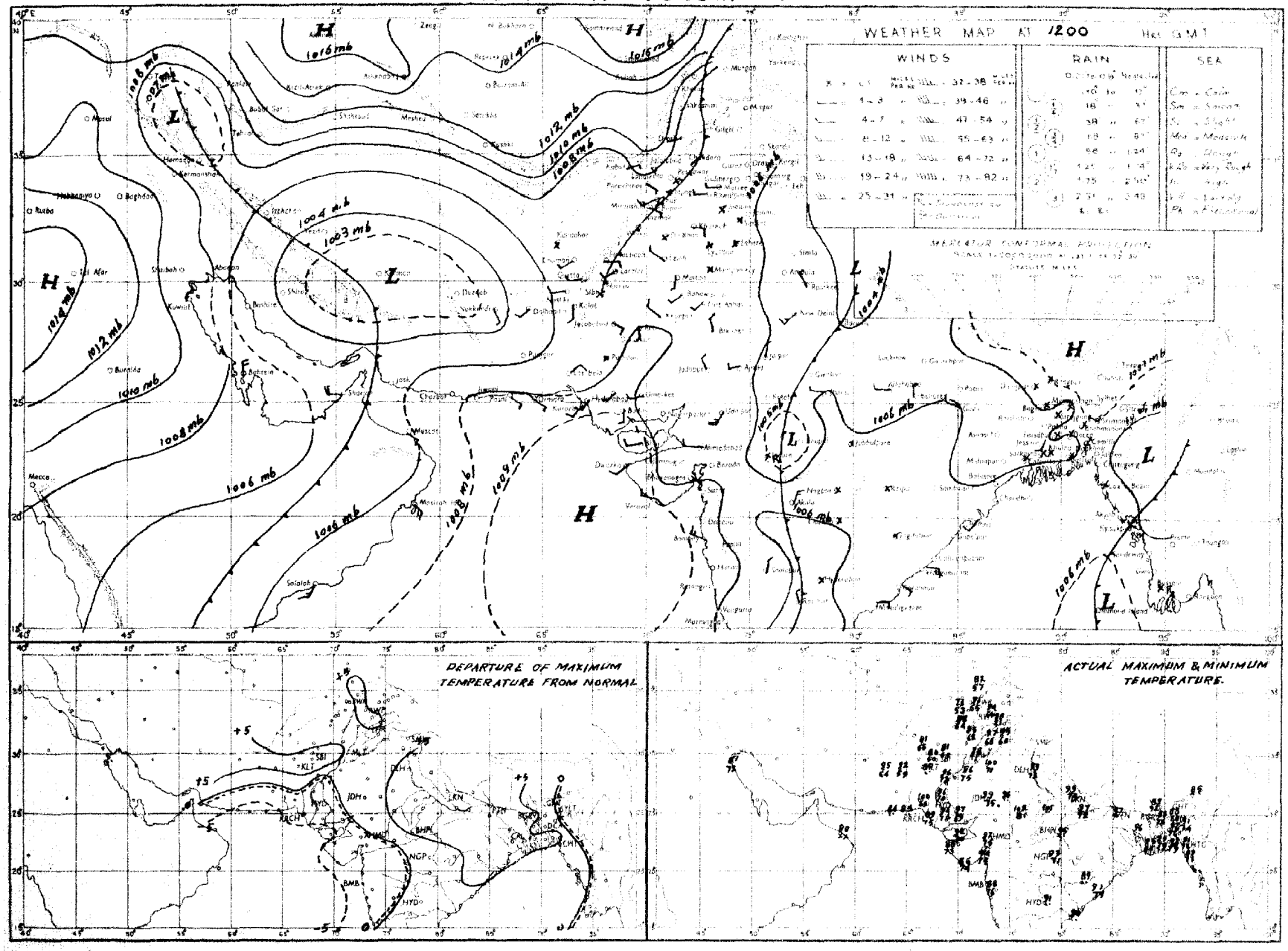
PAKISTAN DAILY WEATHER MAP

SATURDAY 20th. OCTOBER 1951



PAKISTAN DAILY WEATHER MAP

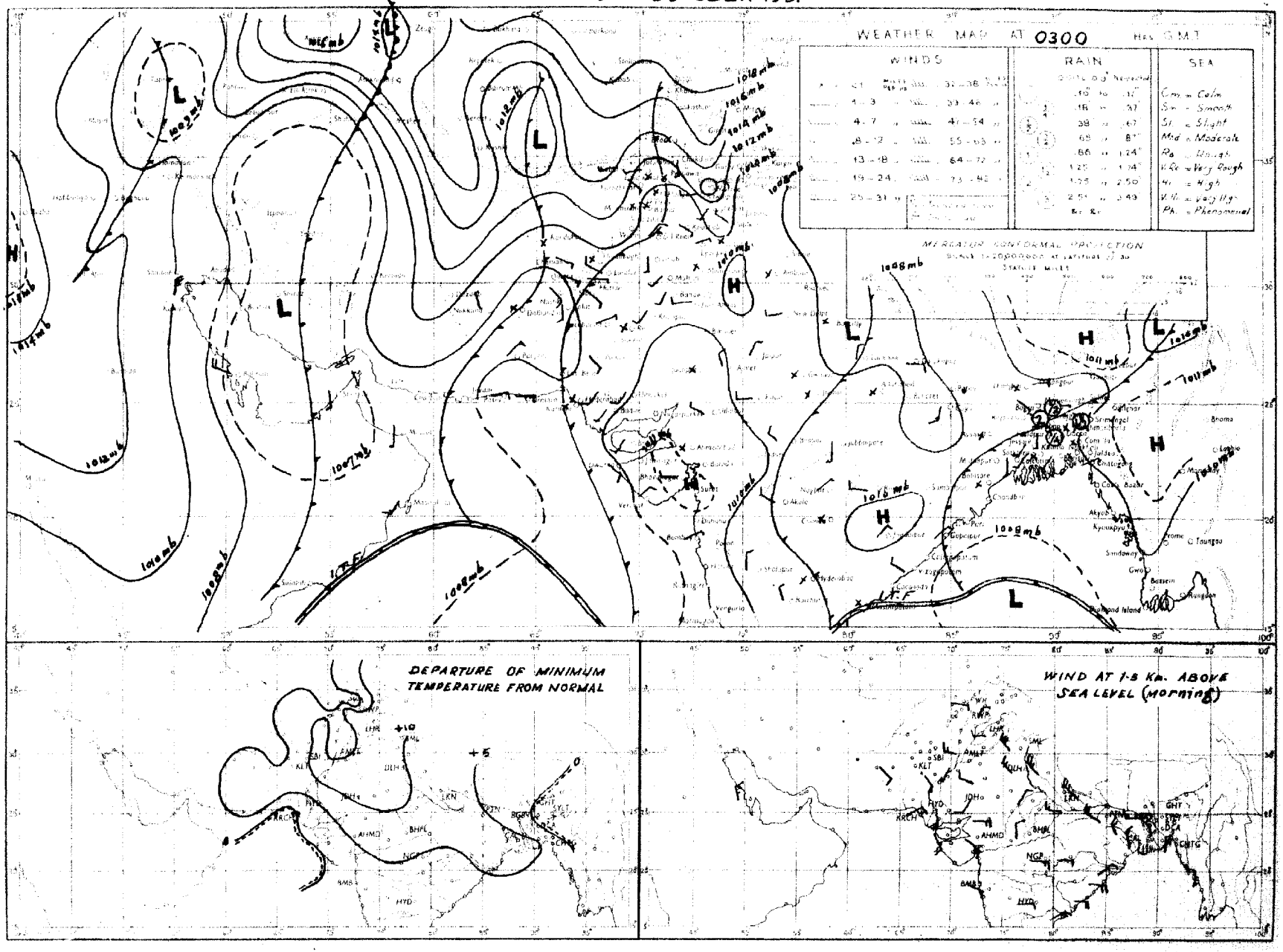
FRIDAY 19th. OCTOBER 1951.



Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER MAP

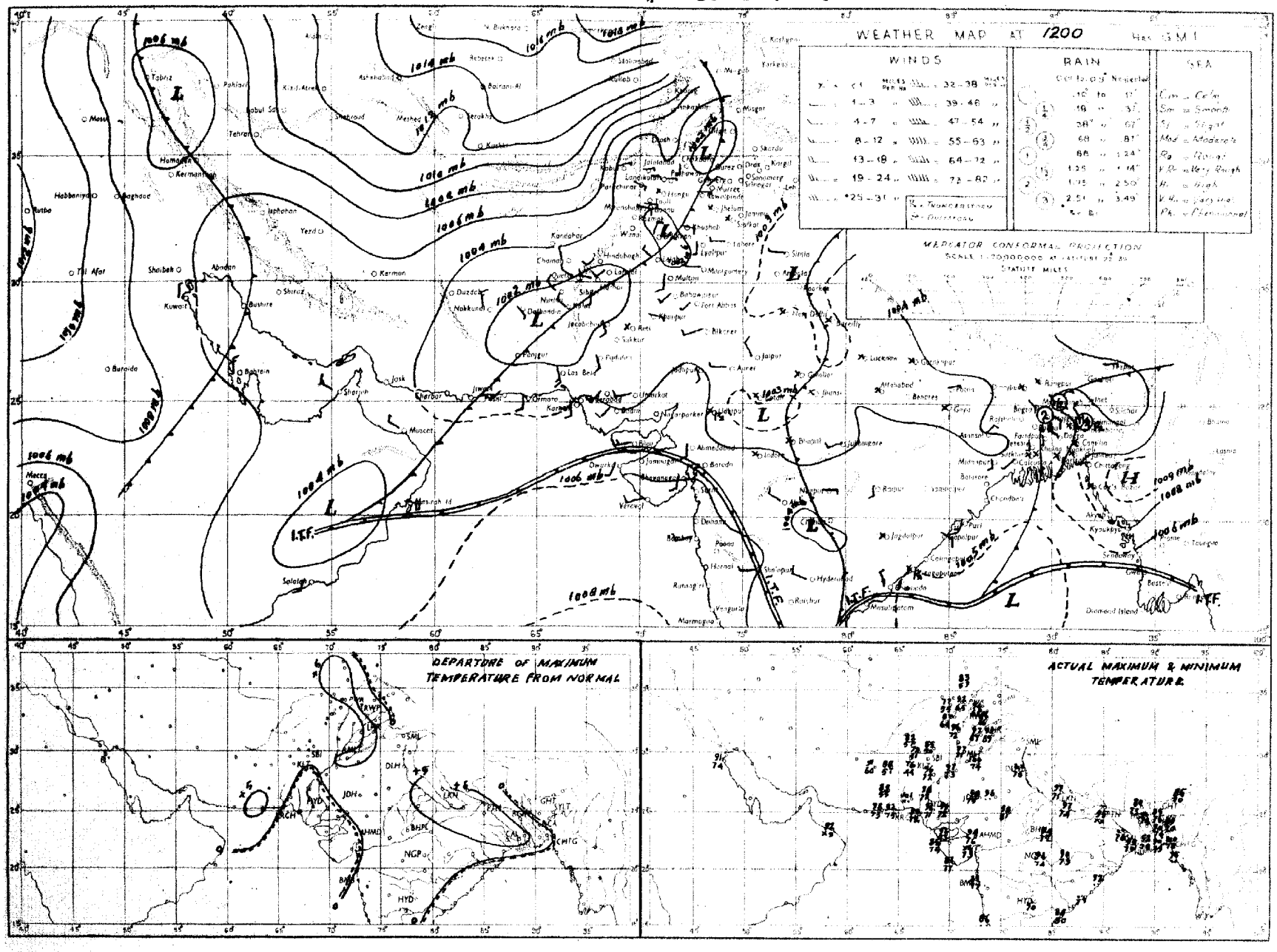
FRIDAY 19th: OCTOBER 1951



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

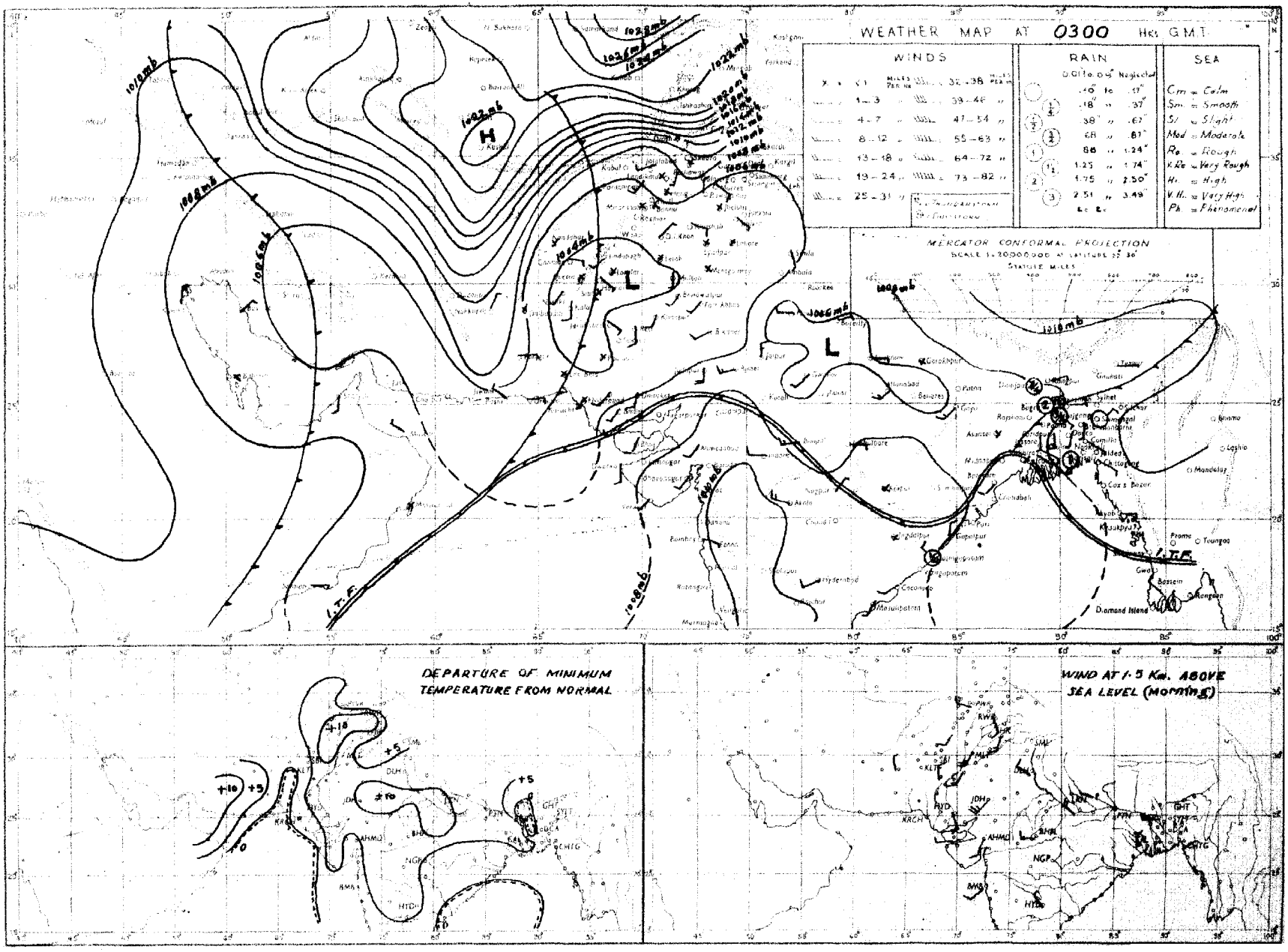
THURSDAY 18th. OCTOBER 1951



Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER MAP

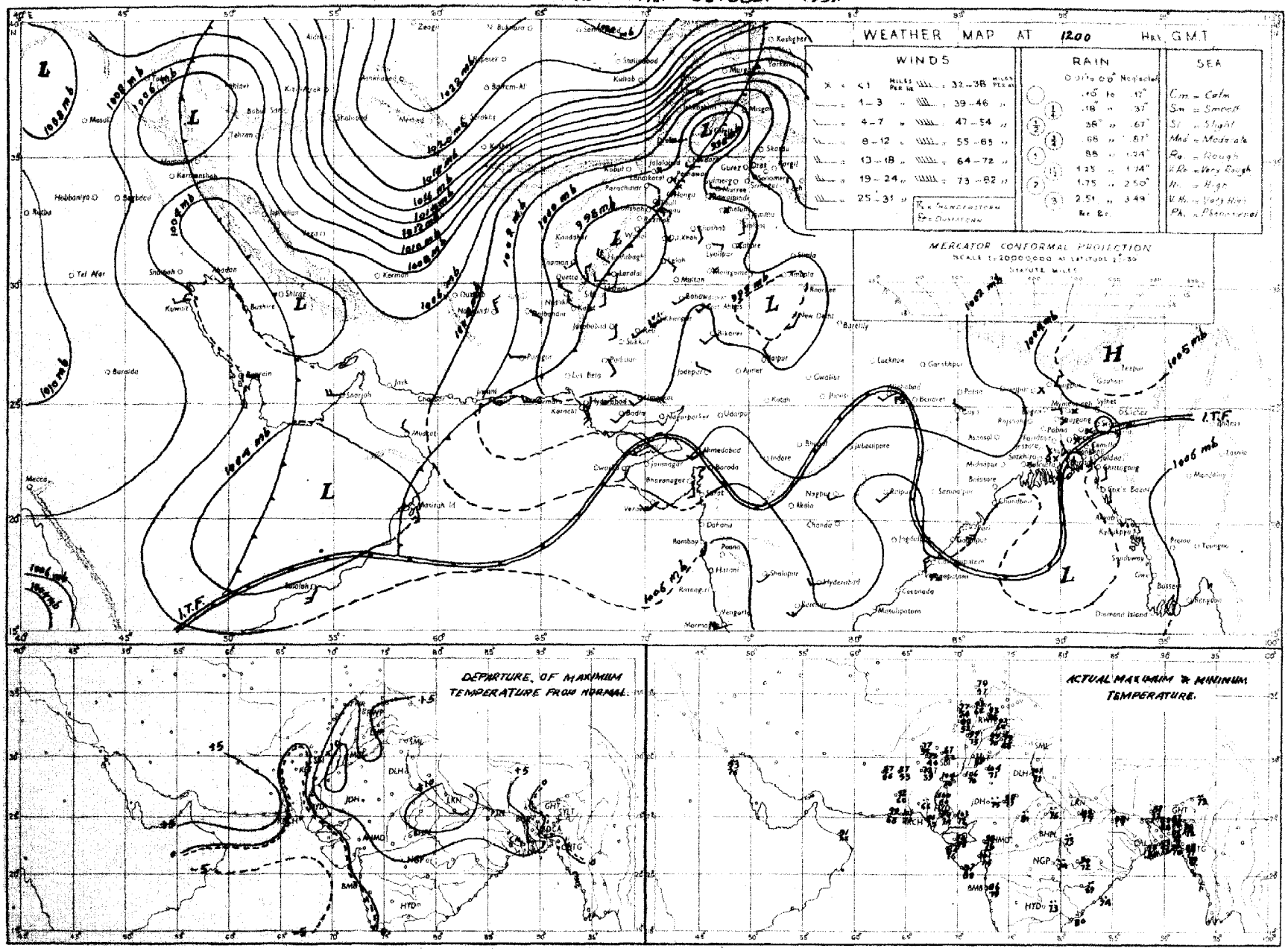
THURSDAY 18th: OCTOBER 1951.



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

WEDNESDAY 17th. OCTOBER 1951.



Rainfall amounts indicated in the above chart refer to past 9 hours.

checked

Regd. No. S-1451.

WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G. M. T. on Wednesday, the 31st October, 1951.

—o:O:o—

MAY 9 1952
WEATHER BUREAU

SUMMARY OF WEATHER.

A western disturbance moved eastnortheastwards across the extreme north of West Pakistan and caused light spell of wet weather in the North-West Frontier Province on the first five days, in north Baluchistan on the 28th and in the north Punjab on the 29th.

Scattered to local rain was reported from East Pakistan from the 26th to 28th and on the last two days of the week.

Some of the noteworthy amounts of rainfall recorded during the week were: Comilla 2", Barisal and Drosh ¼" each on the 26th; Mymensingh ¼" on the 27th; Murree and Drosh 1" each, Jhelum ½" and Chakdara ¼" on the 29th; Mymensingh 1½", Sirajganj ¾", Bogra ½" and Chittagong ¼" on the 30th; Jessore and Sirajganj 1½" each, Brahmanbaria ¾", Comilla, Srimangal and Satkhira ½" each and Noakhali ¼" on the 31st

Night temperatures were markedly to considerably above normal in West Pakistan outside lower Sind and south Baluchistan from the 26th to 28th, and in the Punjab on the 29th. They were also appreciably to markedly above normal in West Pakistan outside Sind-Mekran coast on the 25th, 30th and 31st and in East Pakistan on the 26th and from 29th to 31st.

2. EAST PAKISTAN: Rainfall was nearly general in the Eastern sub-division on two days. It occurred locally on one day each in the Deltaic and Northern sub-divisions. A few falls were also recorded in the Deltaic sub-division on three days and on two days each in the Eastern and Northern sub-divisons.

KASHMIR: Data not available.

PUNJAB: Local rain occurred in the north Punjab on one day.

NORTH-WEST FRONTIER PROVINCE: A few falls were recorded, mainly over the hills on five days.

BALUCHISTAN: A few falls were recorded on one day.

SIND: Weather continued dry.

JUNAGADH: Data not available.

3. The week's rainfall was normal in the Northern sub-division of East Pakistan and deficient in the Eastern and Deltaic sub-divisions of East Pakistan and the north Punjab. No rain fell elsewhere.

Rainfall for the period from 1st June, 1951 to date was normal in East Pakistan. It was deficient in the north Punjab and Baluchistan and scanty elsewhere.

4. The table overleaf summarises the rainfall statistics for the eleven sub-divisions of Pakistan both for the week and for the period from 1st June, 1951 to date.

KARACHI-11.
The 31st October, 1951

MOHAMMAD SHABBAR,
for Director, Meteorological Service.

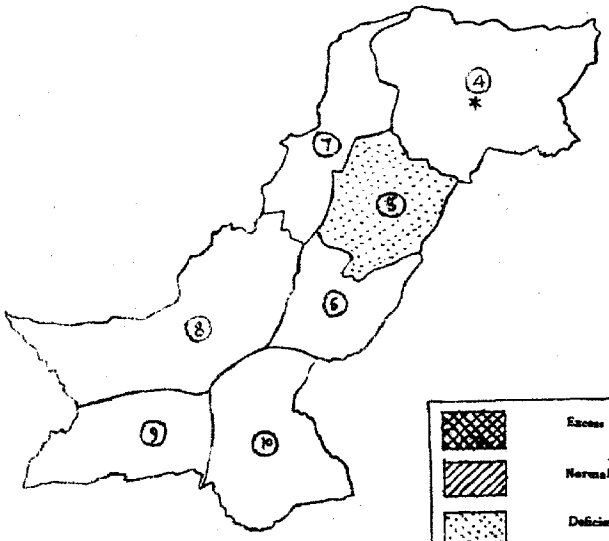
WEEKLY WEATHER REPORT

Division	Rainfall for week ending on 31st October, 1951.			Rainfall for period from 1-6-1951 to 31st October, 1951.			
	Actual †	Normal	Excess or defect	Actual †	Normal	* Excess or defect	
						Inches	Per cent
1	2	3	4	5	6	7	8
1. East Pakistan (East)	0.9	1.3	− 0.5	85.9	73.5	+ 12.3	+ 17
2. East Pakistan (Deltaic)	0.5	0.9	− 0.4	45.5	53.2	− 7.7	− 15
3. East Pakistan (North)	0.6	0.5	+ 0.1	53.6	58.3	− 4.7	− 8
4. Kashmir ††	....	....	....	....	....	....	....
5. North Punjab	0	0	0	9.1	16.4	− 7.3	− 45
6. South Punjab	0	0	0	1.9	5.4	− 3.5	− 66
7. N. W. F. P.	0	0	0	2.0	5.0	− 3.0	− 60
8. North Baluchistan	0	0	0	1.4	2.9	− 1.6	− 53
9. South Baluchistan	0	0	0	0.6	1.0	− 0.4	− 40
10. Sind	0	0	0	1.9	5.4	− 3.5	− 65
11. Junagadh ††	....	....	....	....	....	....	....

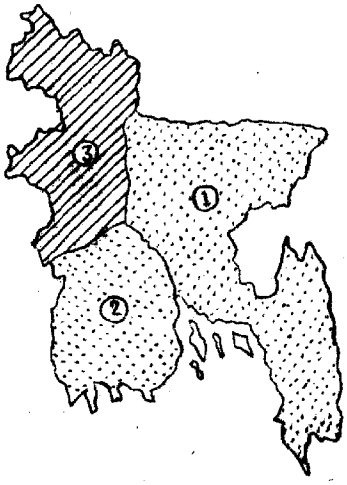
* In the calculation of excesses and defects, and their percentages, rainfall figures are taken correct to 0·01".

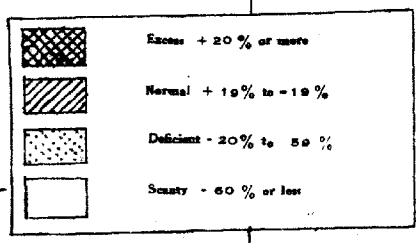
† Rainfall of stations having no normals is not included.

†† Data not available.



RAINFALL FOR THE WEEK ENDING 31-10-1951



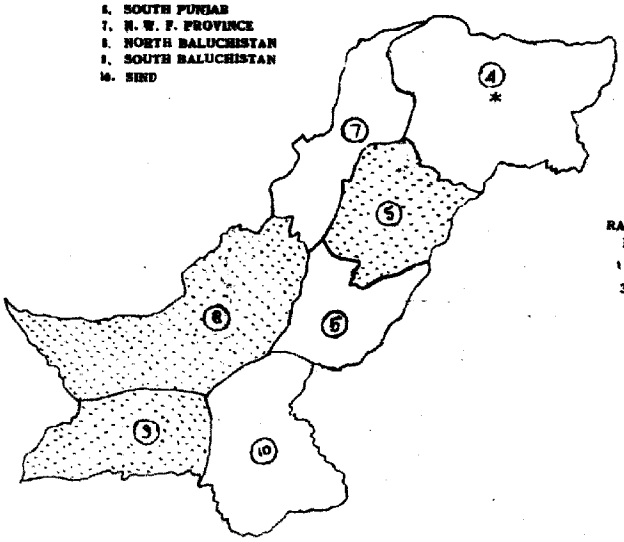


WEST PAKISTAN

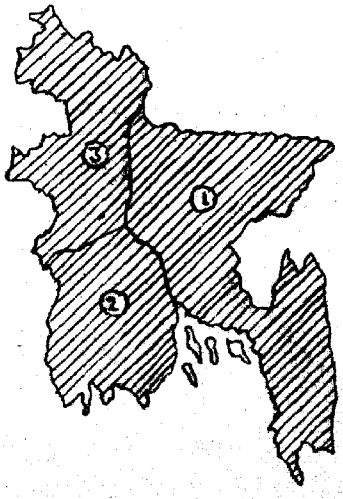
4. KASHMIR
5. NORTH PUNJAB
6. SOUTH PUNJAB
7. N. W. F. PROVINCE
8. NORTH BALUCHISTAN
9. SOUTH BALUCHISTAN
10. SIND

EAST PAKISTAN

1. EAST PAKISTAN (EAST)
2. EAST PAKISTAN (DELTAIC)
3. EAST PAKISTAN (NORTH)



RAINFALL FOR THE PERIOD FROM 1-6-1951 TO 31-10-1951



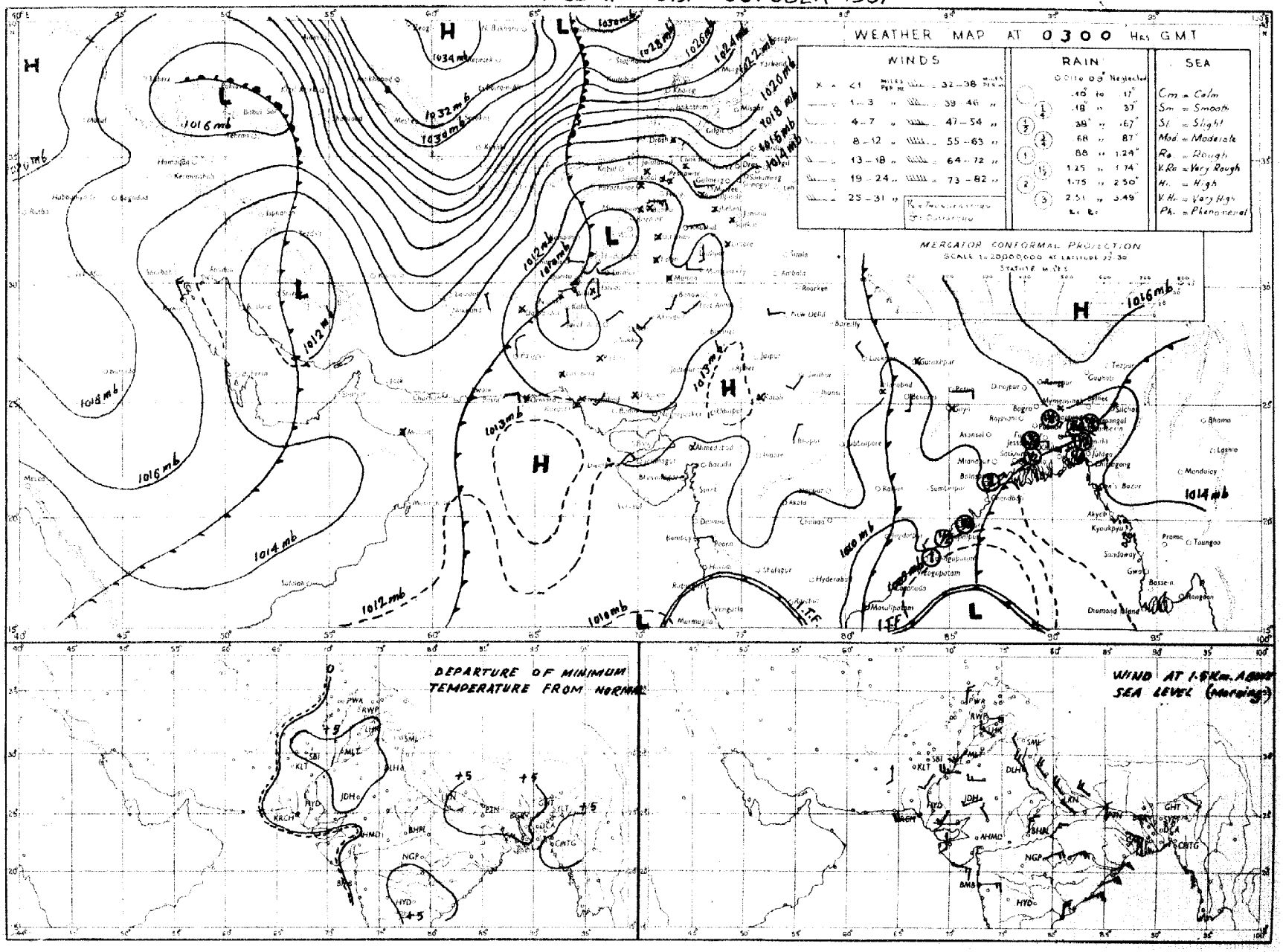
SCALE—[illegible] MILES=1"

SCALE—[illegible] MILES=1"

* Data not available.

PAKISTAN DAILY WEATHER MAP

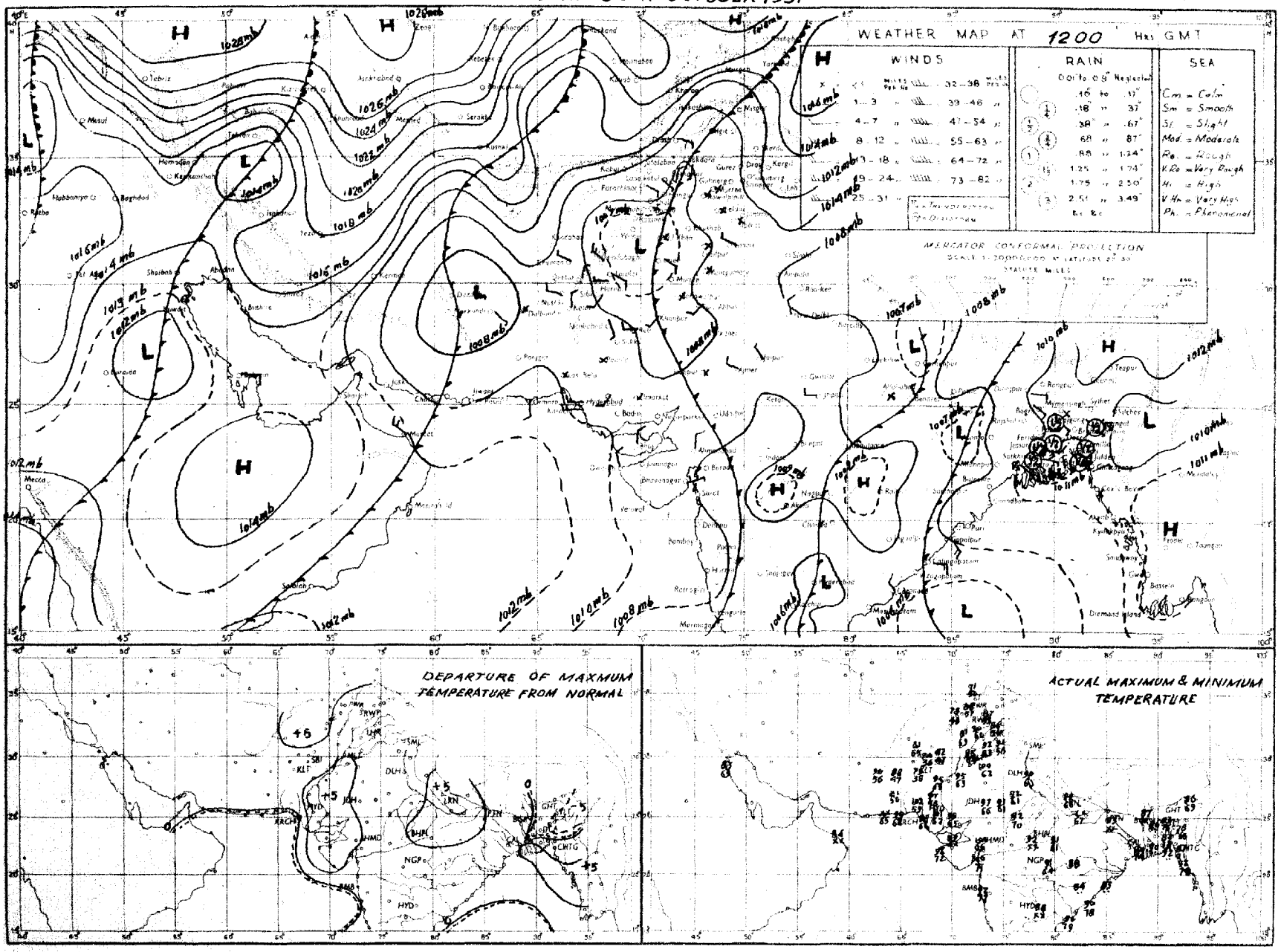
WEDNESDAY 31st OCTOBER 1951



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

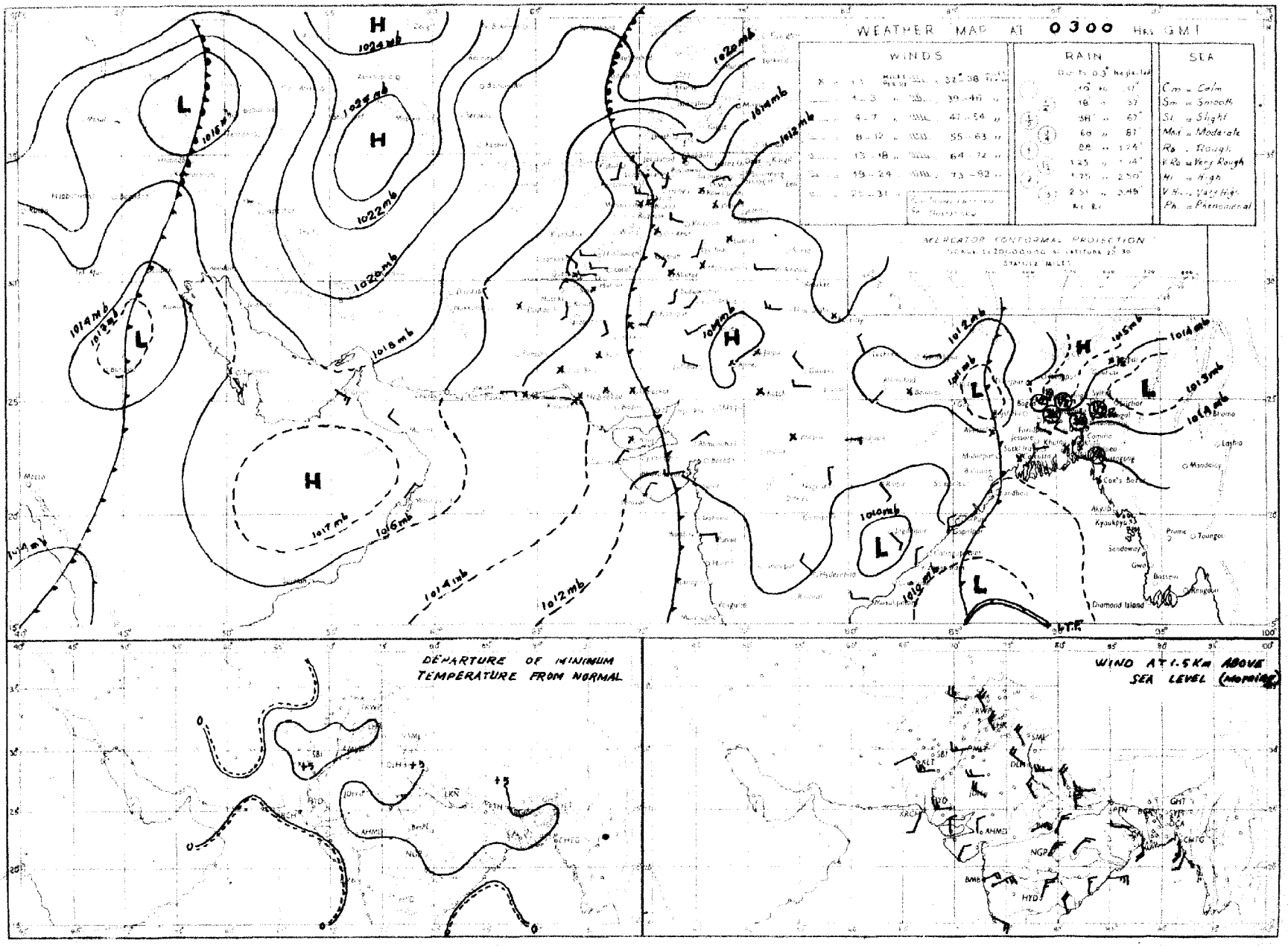
TUESDAY 30th: OCTOBER 1951



Rainfall amounts indicated in the above chart refer to past 9 hours

PAKISTAN DAILY WEATHER MAP

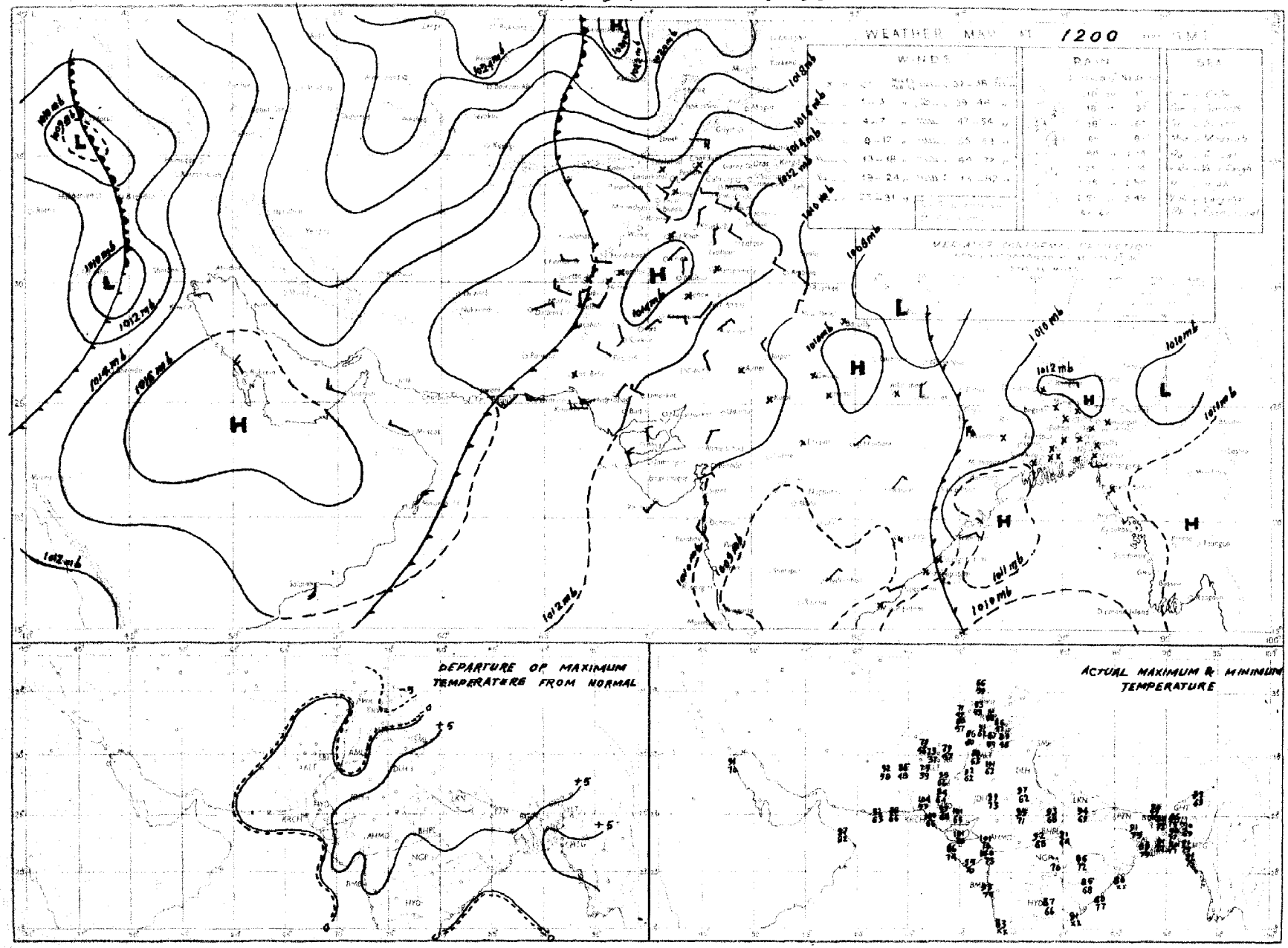
TUESDAY 30th. OCTOBER 1951



Rainfall amounts indicated in the above chart refer to mm.

PAKISTAN DAILY WEATHER MAP

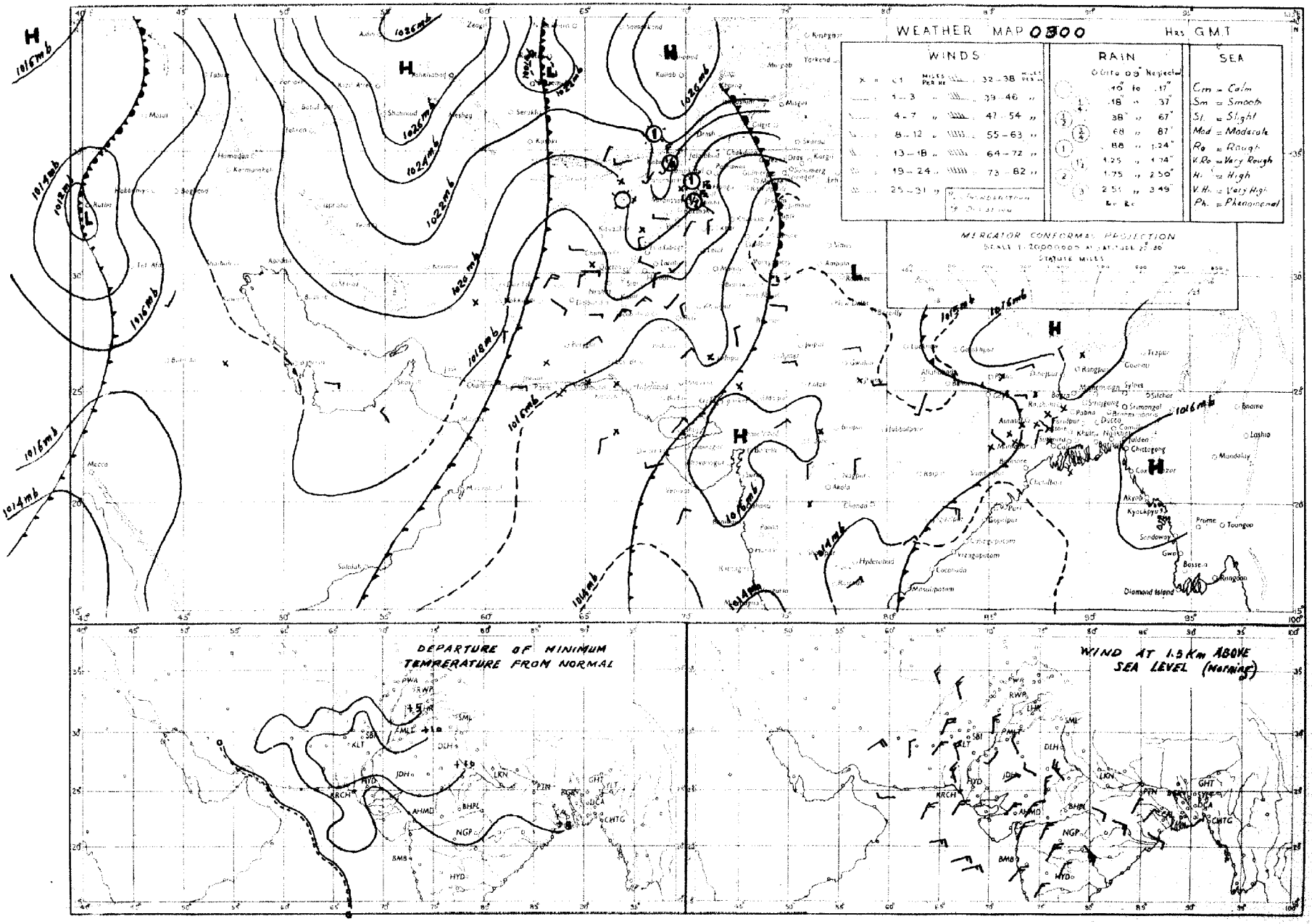
MONDAY 29th: OCTOBER 1951



Rainfall amounts indicated in the above chart refer to rain

PAKISTAN DAILY WEATHER MAP

MONDAY 29th: OCTOBER 1951.

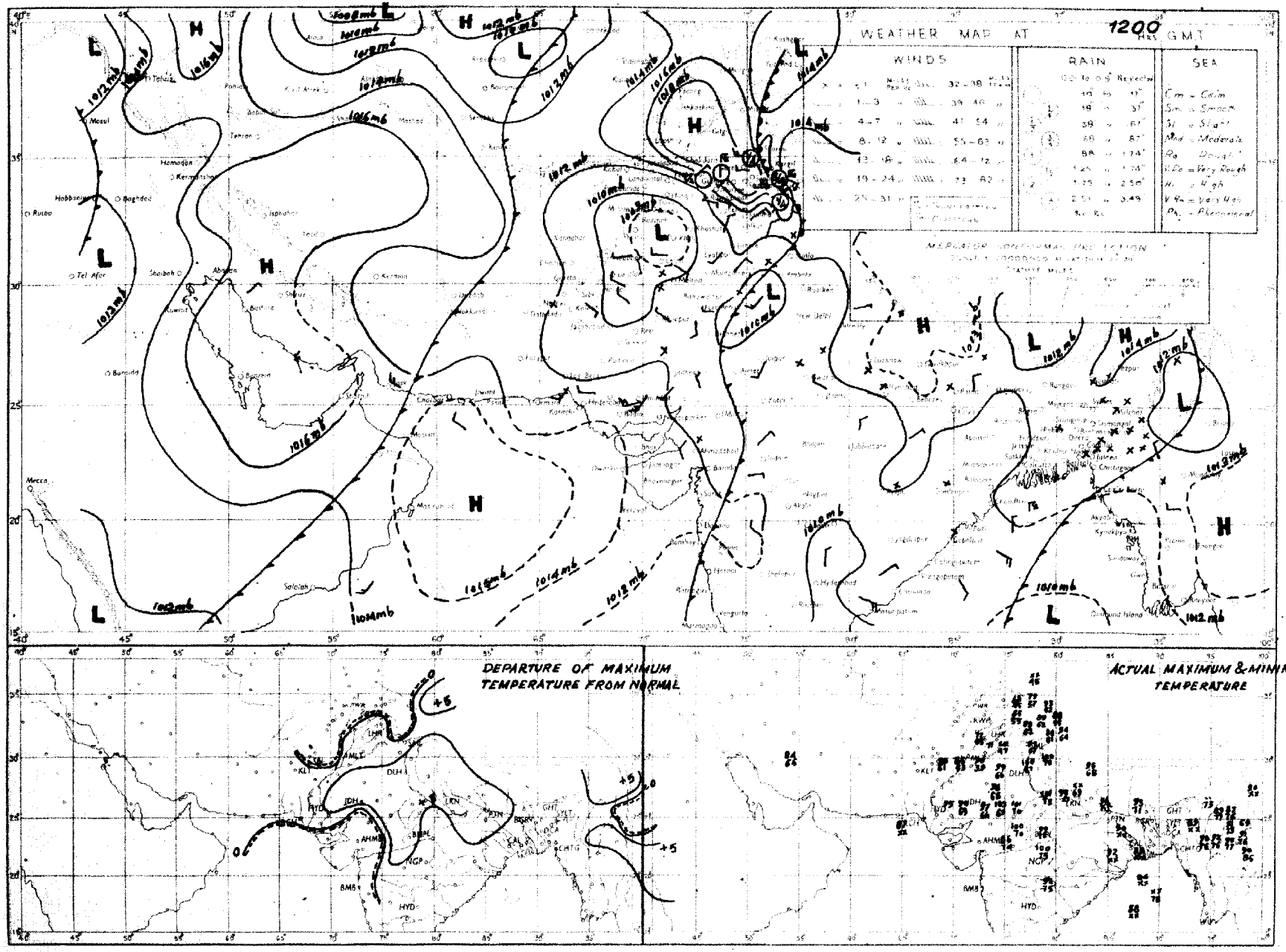


Rainfall amounts indicated in the above chart refer to past hours.

PRINTED AT THE SURVEY OF PAKISTAN OFFICE, RAWALPINDI.

PAKISTAN DAILY WEATHER MAP

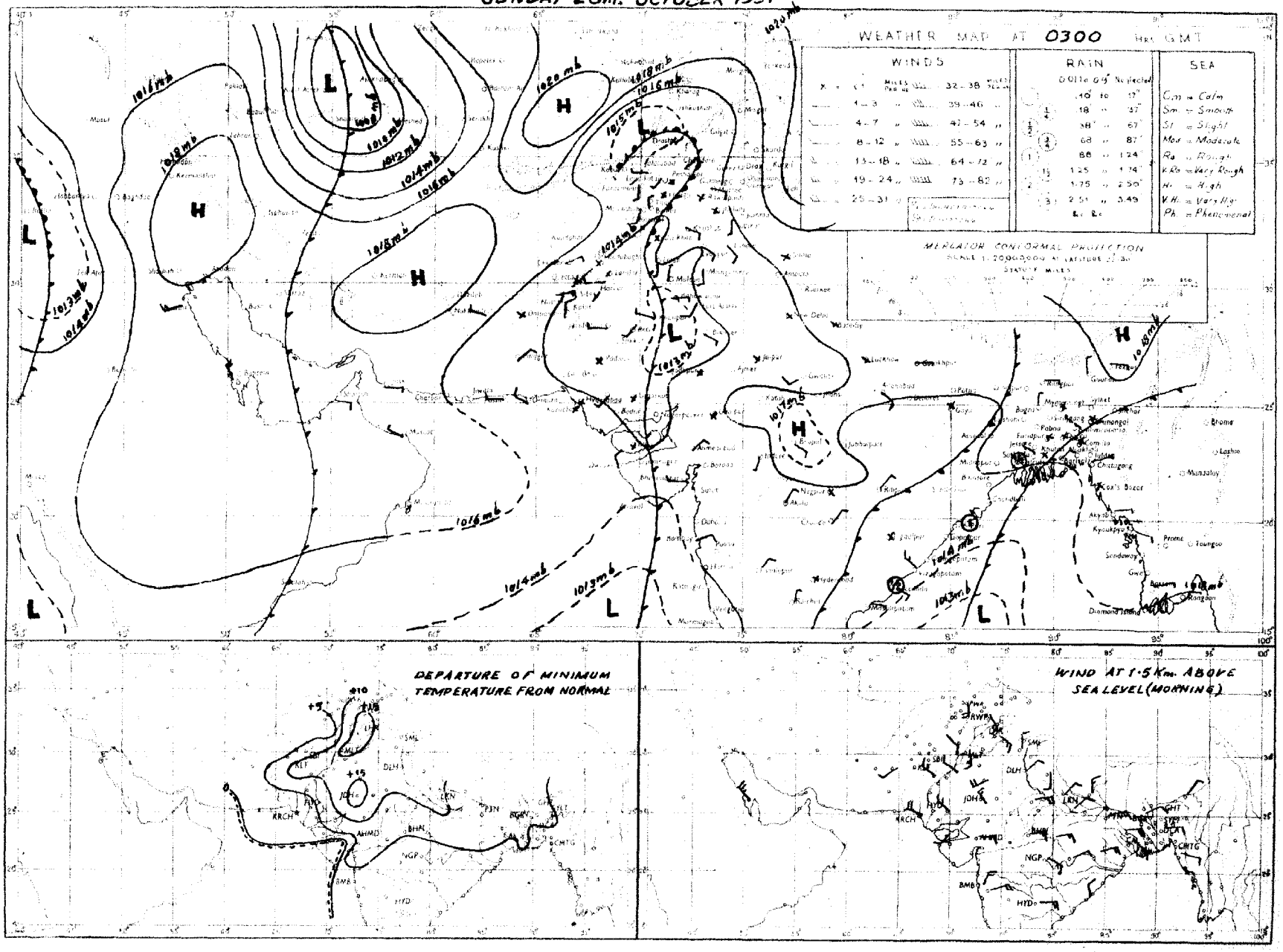
SUNDAY 28th OCTOBER 1951



Rainfall amounts indicated in the above chart refer to past 24 hrs.

PAKISTAN DAILY WEATHER MAP

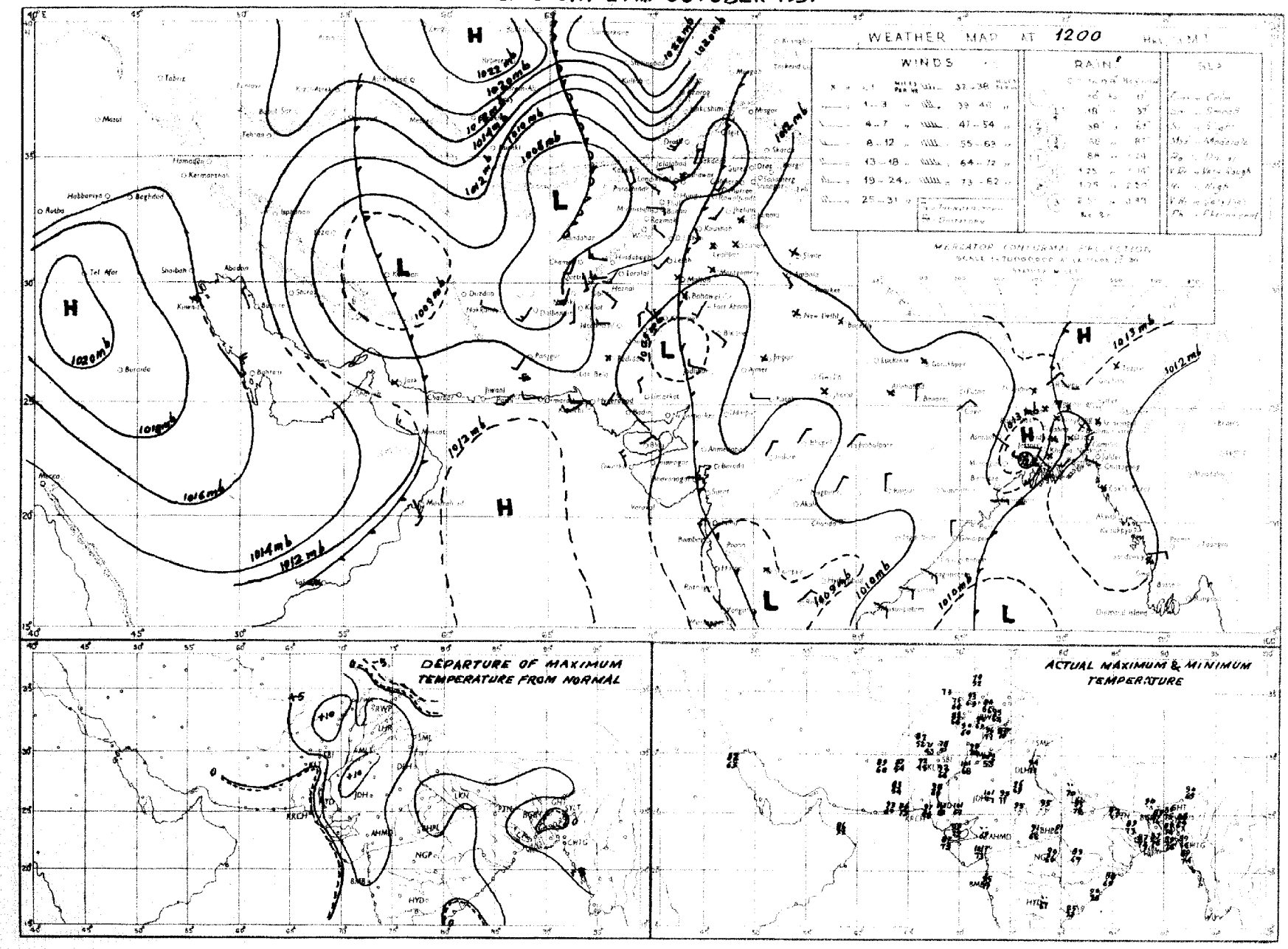
SUNDAY 28th: OCTOBER 1951



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

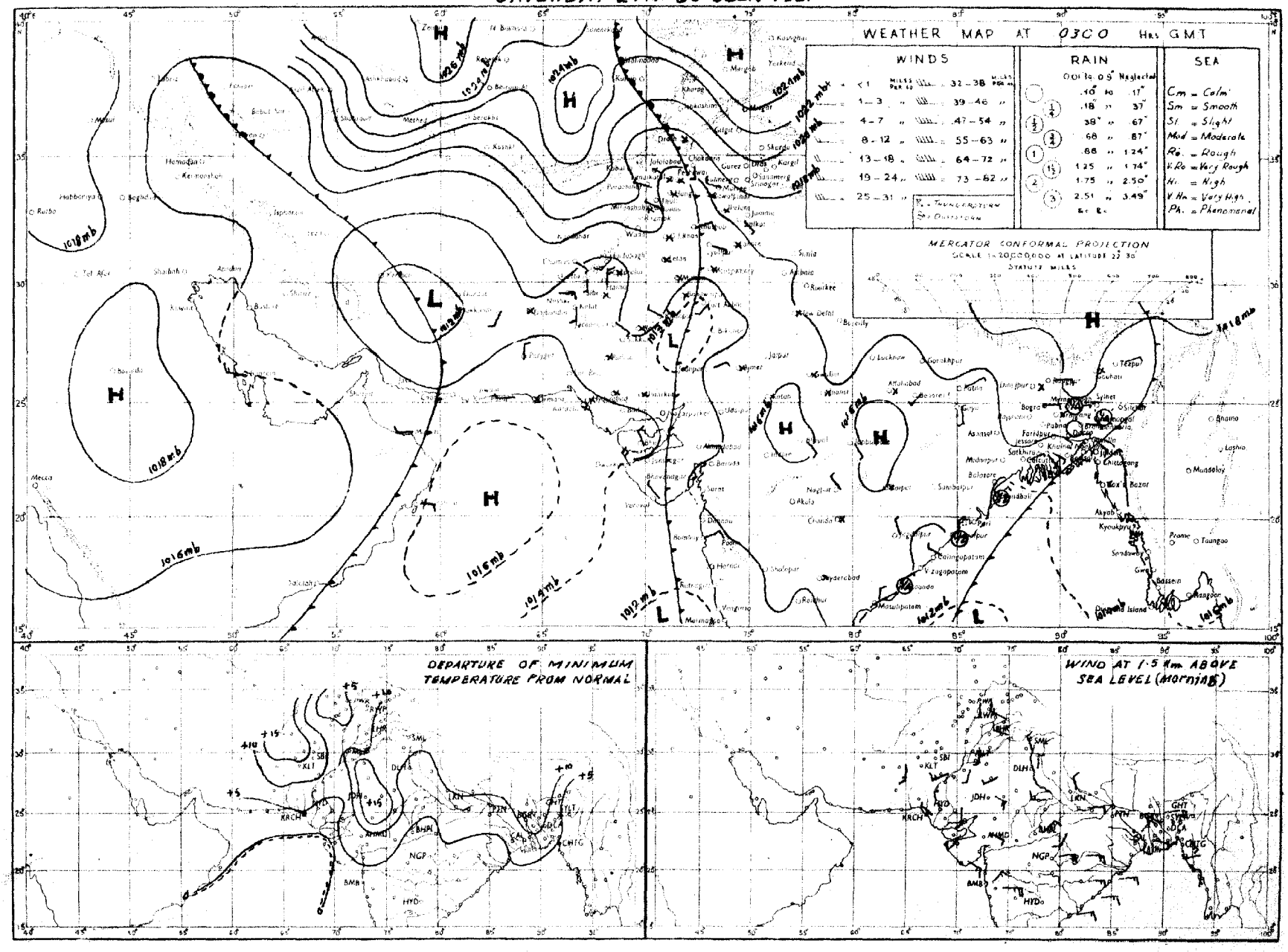
SATURDAY 27th OCTOBER 1951



Rainfall amounts indicated on the above chart refer to past 9 hours

PAKISTAN DAILY WEATHER MAP

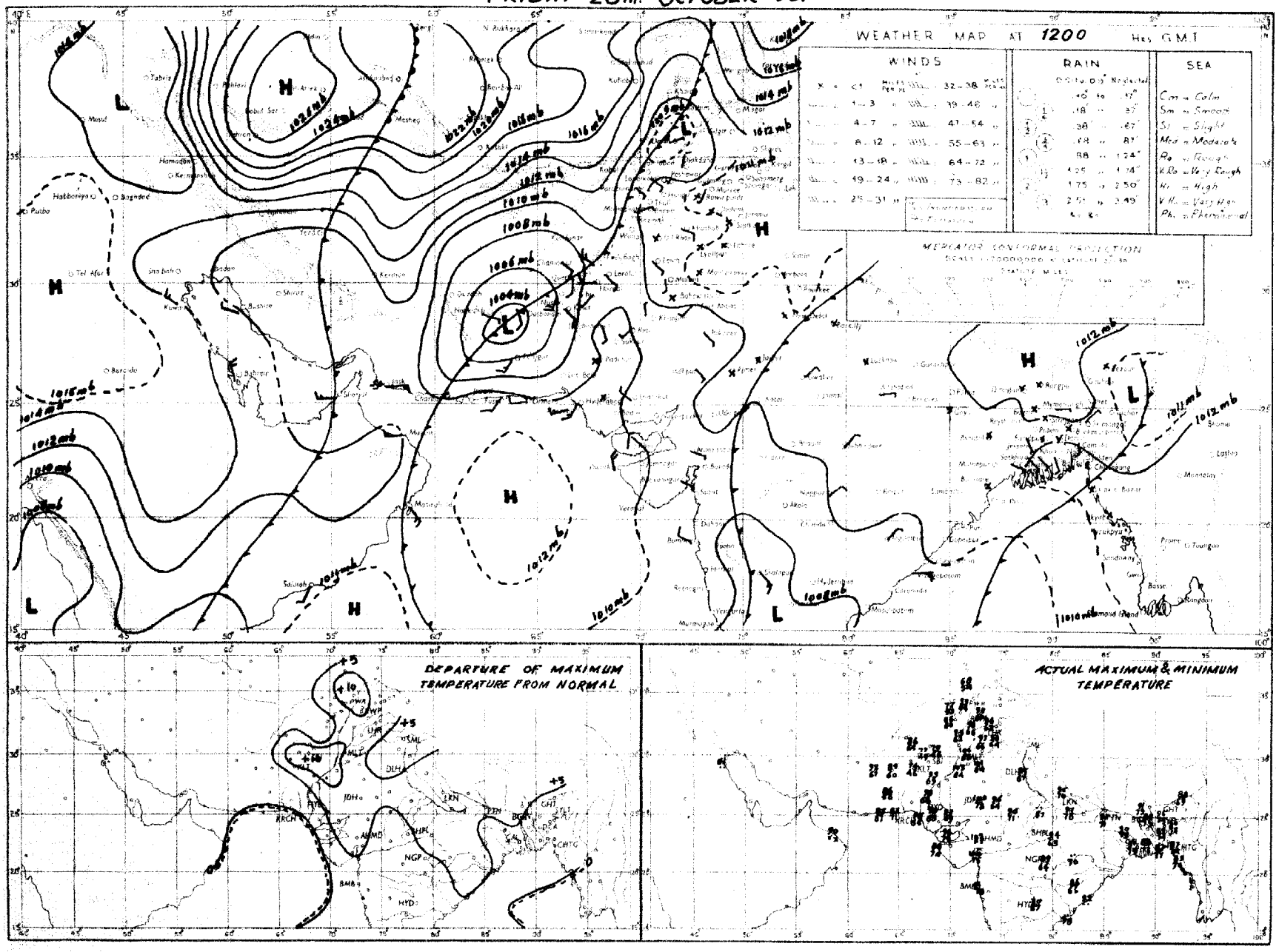
SATURDAY 27th: OCTOBER 1951



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

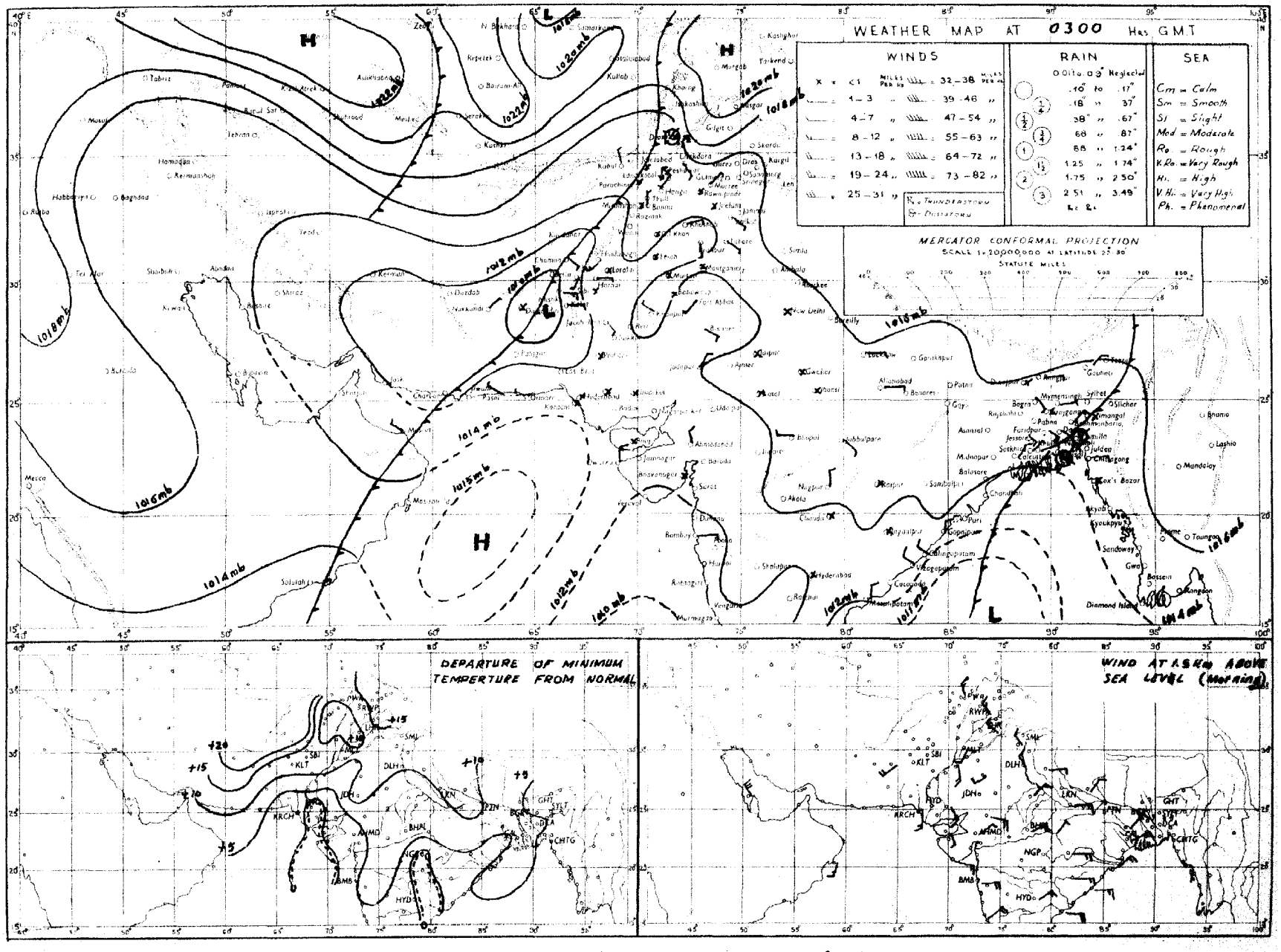
FRIDAY 26th: OCTOBER 1951



Rainfall amounts indicated in the above chart refer to past 9 hours

PAKISTAN DAILY WEATHER MAP

FRIDAY 26th. OCTOBER 1951

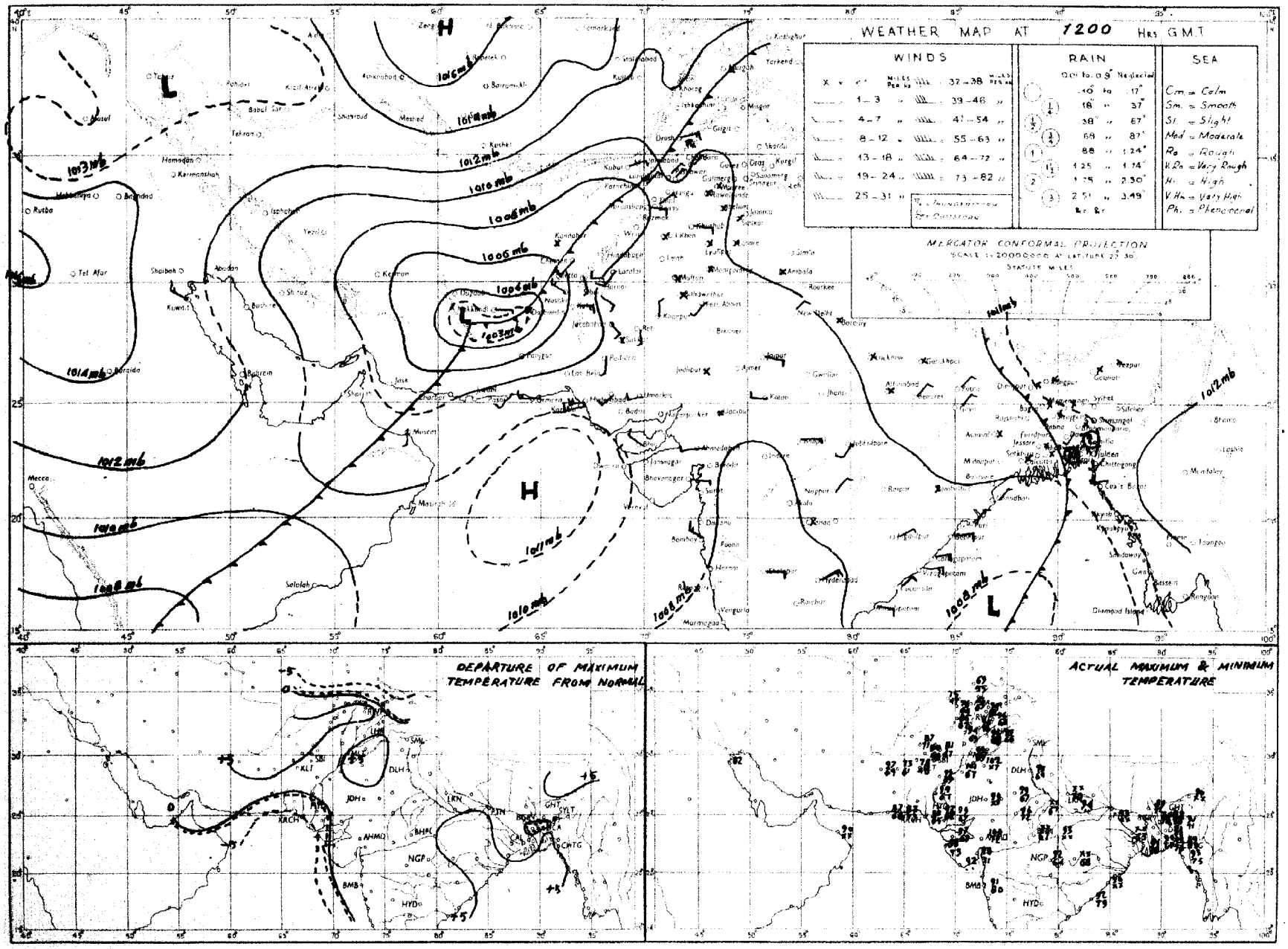


Rainfall amounts indicated in the above chart refer to past 24 hours.

PRINTED AT THE SURVEY OF PAKISTAN OFFICES, DEHRA DUN.

PAKISTAN DAILY WEATHER MAP

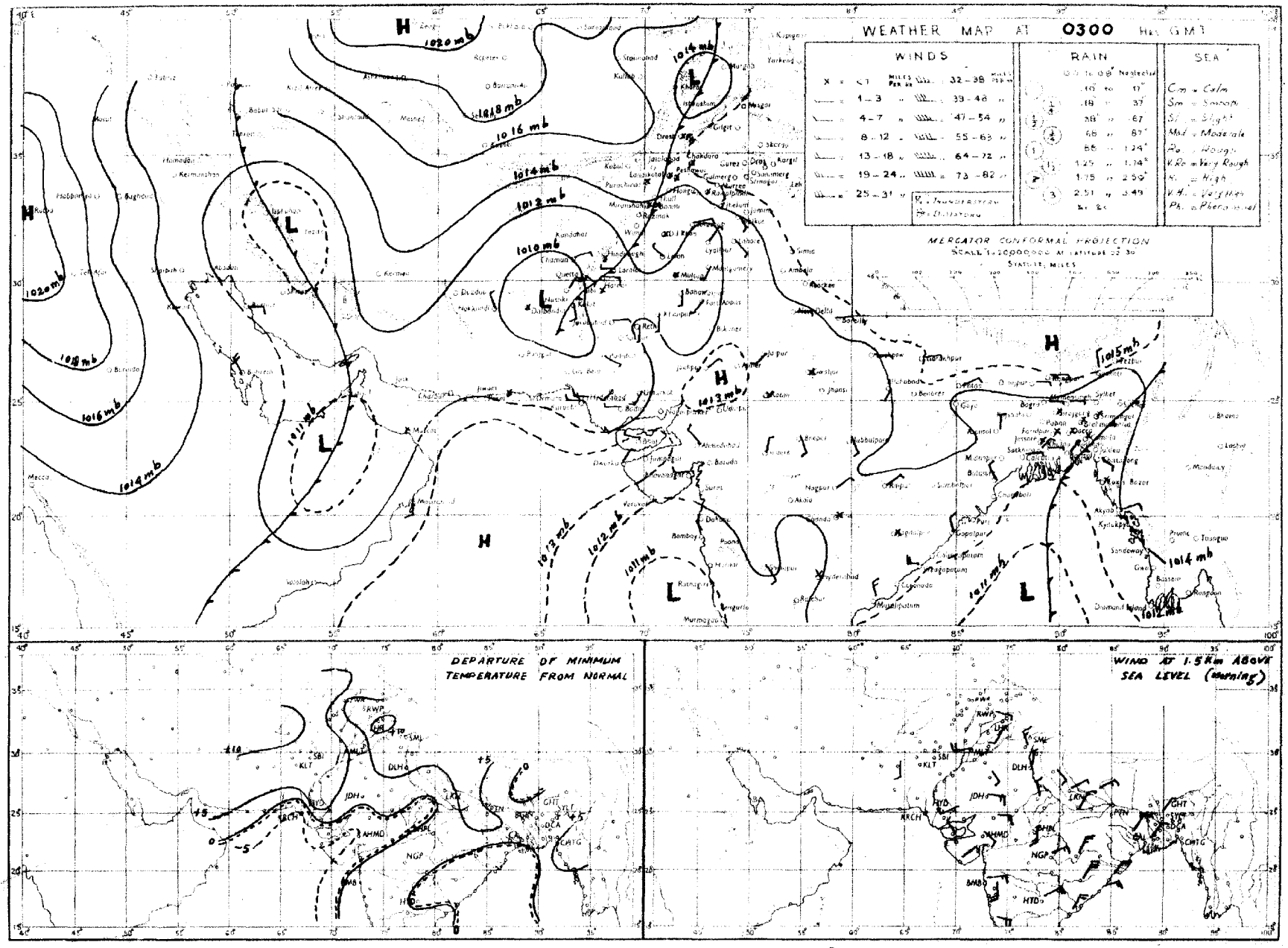
THURSDAY 25th. OCTOBER 1951



Rainfall amounts indicated in the above chart refer to past 9 hours

PAKISTAN DAILY WEATHER MAP

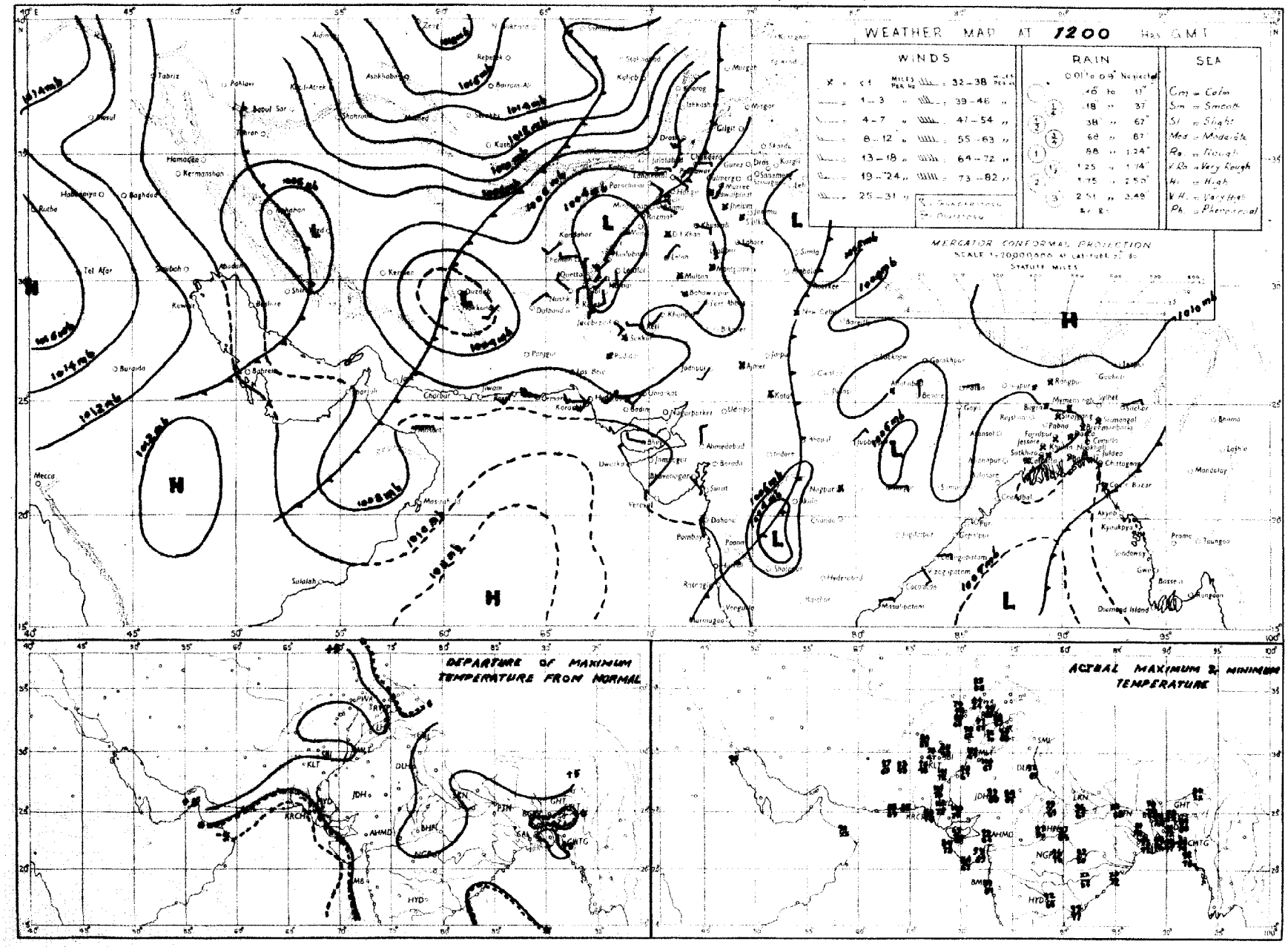
THURSDAY 25th OCTOBER 1951



Rainfall amounts indicated in the above chart refer to past 24 hours

PAKISTAN DAILY WEATHER MAP

WEDNESDAY 24th. OCTOBER 1951



Rainfall amounts indicated in the above chart refer to past 9 hours.

Checked

Regd. No. S-1451.

WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G. M. T. on Wednesday, the 7th November 1951

—o:O:o—

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WEATHER BUREAU

SUMMARY OF WEATHER.

In association with a well marked trough of low in the central Bay of Bengal rain/thundershowers occurred in East Pakistan on the first four days of the week.

Weather remained dry in West Pakistan.

Some of the noteworthy amounts of rainfall recorded during the week were :—Sirajganj 1½", Srimangal and Faridpur ½" each, Barisal and Noakhali ¼" each on the 1st; Comilla ½", Noakhali ¼" on the 2nd ; Mymensingh 2", Bogra 1" and Rangpur ¼" on the 4th.

Night temperatures were appreciably to markedly above normal over the country practically throughout the week.

2. EAST PAKISTAN: Rainfall was local in the Eastern sub-division on two days and in the Deltaic and Northern sub-divisions on one day each. A few falls were also recorded on four days in the Deltaic sub-division, two days in the Eastern sub-division and on one day in the Northern sub-division.

KASHMIR: Data not available.

PUNJAB: Weather remained dry.

NORTH-WEST FRONTIER PROVINCE: Weather remained dry.

BALUCHISTAN: Weather remained dry.

SIND: Weather continued dry.

JUNAGADH: Data not available.

3. Rainfall for the week and for the period from 1st November 1951 to date was in large excess in the Northern sub-division, deficient in the Eastern sub-division and scanty in the Deltaic sub-division of East Pakistan.

No rain fell in West Pakistan.

4. The table overleaf summarises the rainfall statistics for the eleven sub-divisions of Pakistan both for the week and for the period from 1st November, 1951 to date.

KARACHI-11.
The 7th November, 1951

MOHAMMAD SHABBAR,
for Director, Meteorological Service.

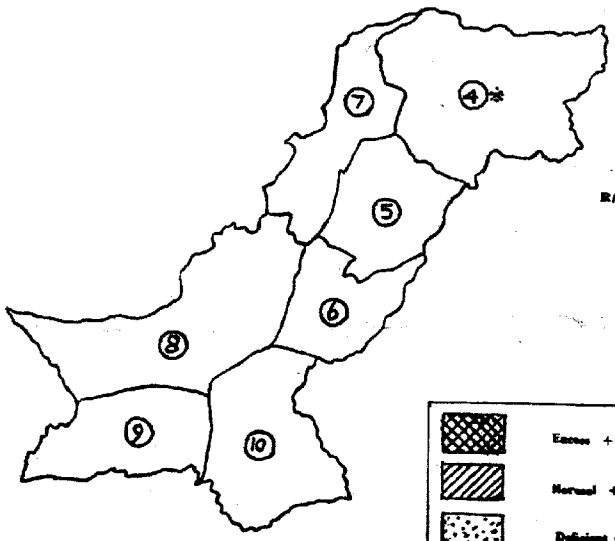
WEEKLY WEATHER REPORT

Division	Rainfall for week ending on 7th November, 1951.			Rainfall for period from 1-11-1951 to 7th November, 1951.			
	Actual †	Normal	Excess or defect	Actual †	Normal	* Excess or defect	
						Inches	Per cent
1	2	3	4	5	6	7	8
1. East Pakistan (East)	0.5	0.8	− 0.3	0.5	0.8	− 0.3	− 36
2. East Pakistan (Deltaic)	0.2	0.6	− 0.4	0.2	0.6	− 0.4	− 68
3. East Pakistan (North)	0.7	0.3	+ 0.5	0.7	0.3	+ 0.5	+ 167
4. Kashmir ††	....	....	....	....	....	....	...
5. North Punjab	0	0	0	0	0	0	...
6. South Punjab	0	0	0	0	0	0	...
7. N. W. F. P.	0	0	0	0	0	0	...
8. North Baluchistan	0	0	0	0	0	0	− 100
9. South Baluchistan	0	0	0	0	0	0	....
10. Sind	0	0	0	0	0	0	− 100
11. Junagadh ††	....	....	....	....	....	....	....

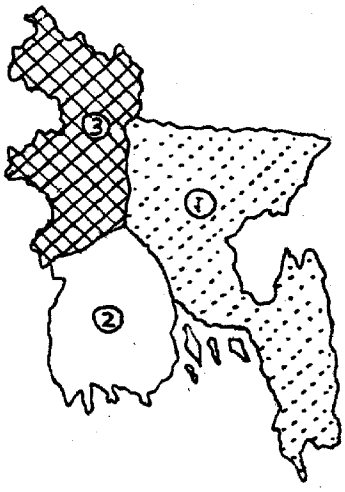
* In the calculation of excesses and defects, and their percentages, rainfall figures are taken correct to 0·01".

† Rainfall of stations having no normals is not included.

†† Data not available



RAINFALL FOR THE WEEK ENDING 7-11-1951



Excess + 20 % or more

Normal + 19% to − 19 %

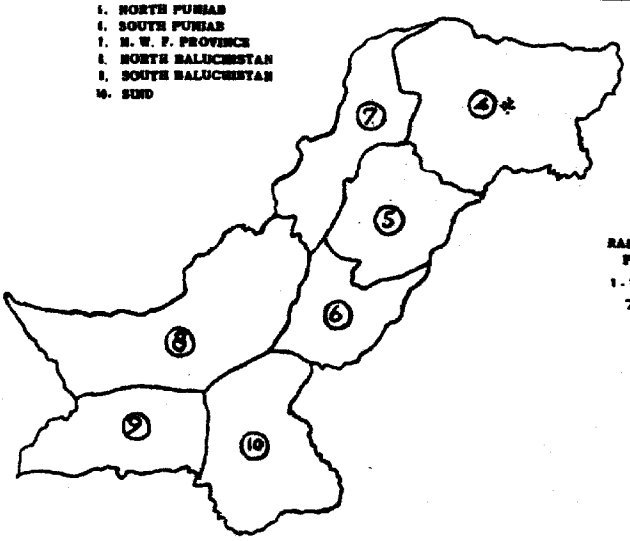
Deficient − 20% to 59 %

Scanty − 60 % or less

WEST PAKISTAN

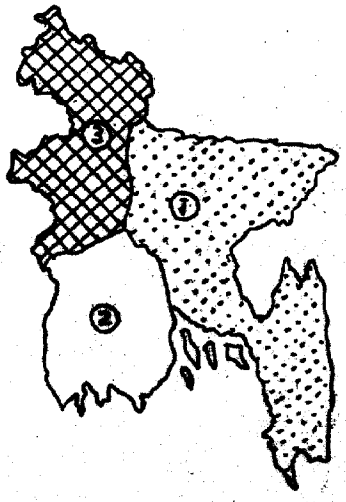
EAST PAKISTAN

4. KASHMIR
5. NORTH PUNJAB
6. SOUTH PUNJAB
7. N. W. F. PROVINCE
8. NORTH BALUCHISTAN
9. SOUTH BALUCHISTAN
10. SIND



RAINFALL FOR THE PERIOD FROM 1-11-1951 TO 7-11-1951

1. EAST PAKISTAN (EAST)
2. EAST PAKISTAN (DELTAIC)
3. EAST PAKISTAN (NORTH)



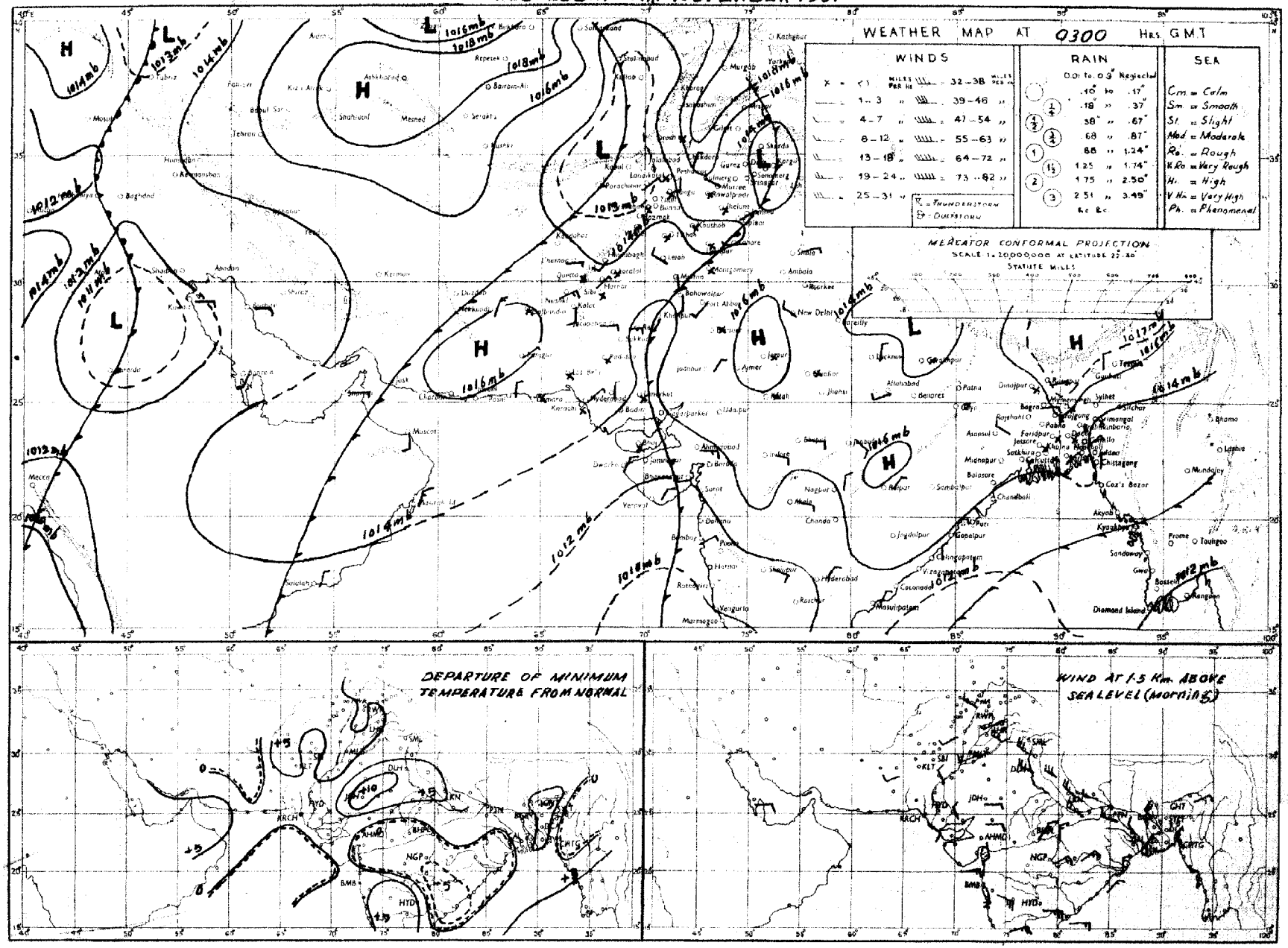
SCALE—[illegible] MILES=1"

SCALE—[illegible] MILES=1"

* Data not available.

PAKISTAN DAILY WEATHER MAP

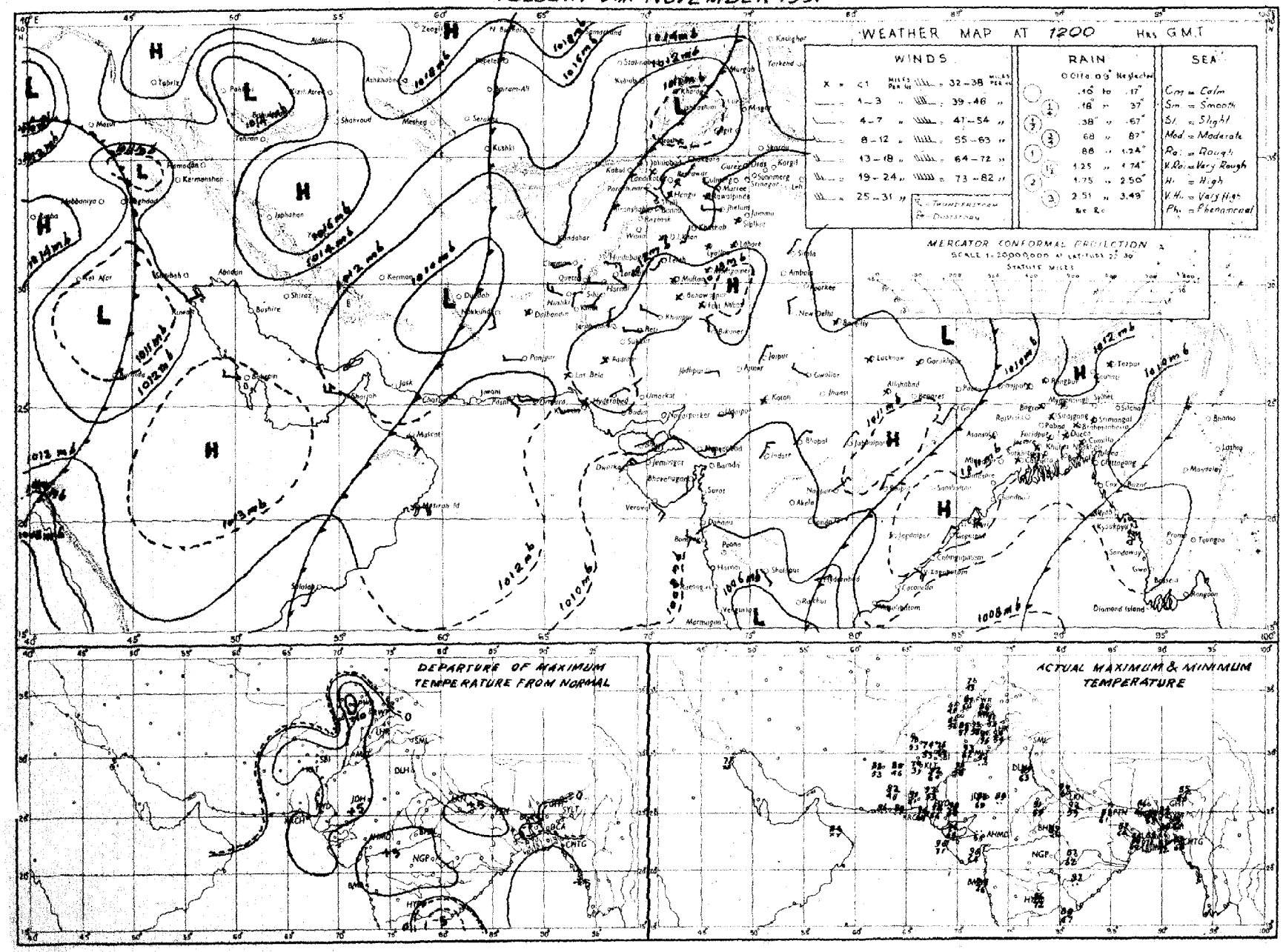
WEDNESDAY 7th. NOVEMBER 1951



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

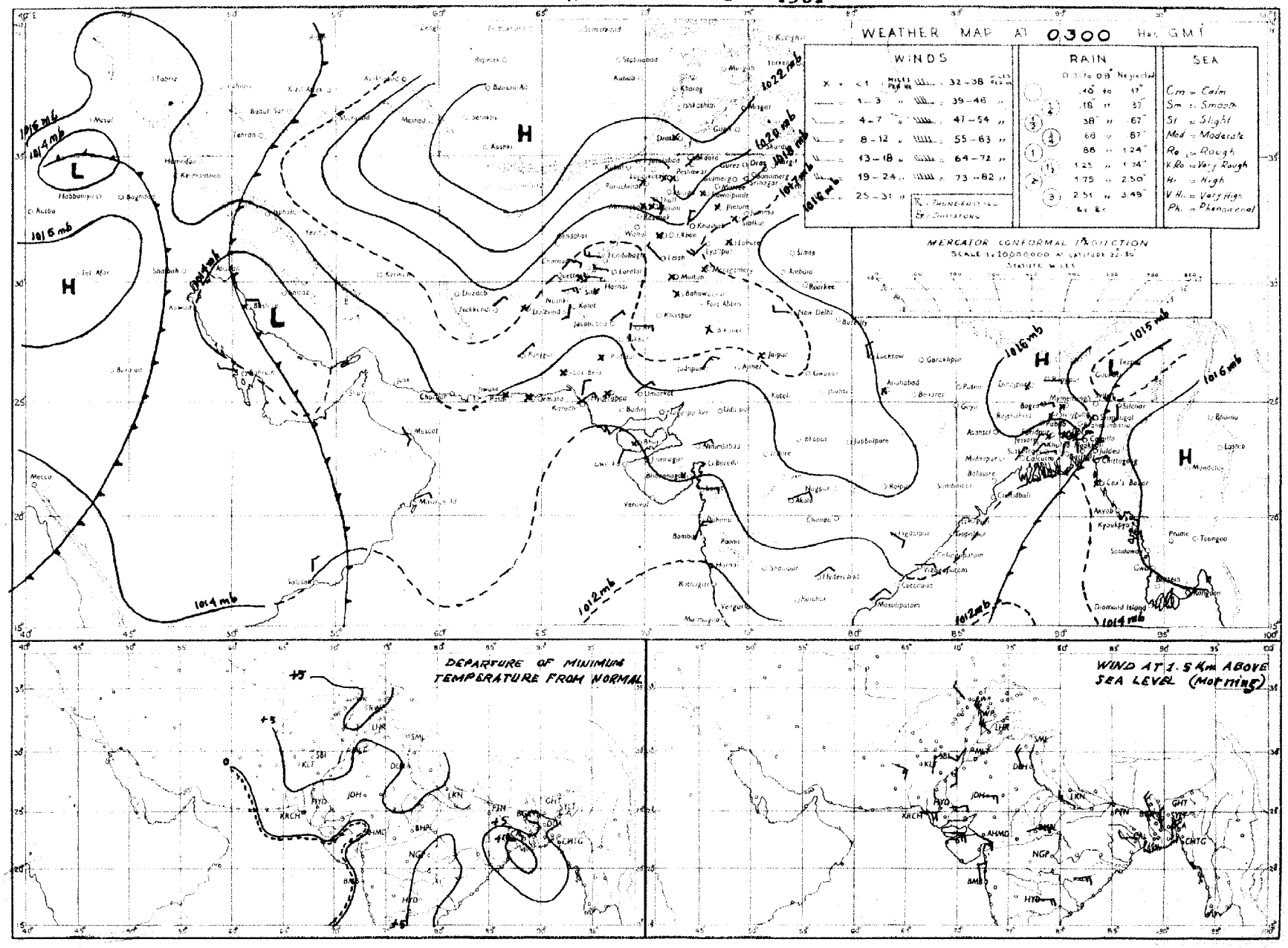
TUESDAY 6th NOVEMBER 1951



Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER MAP

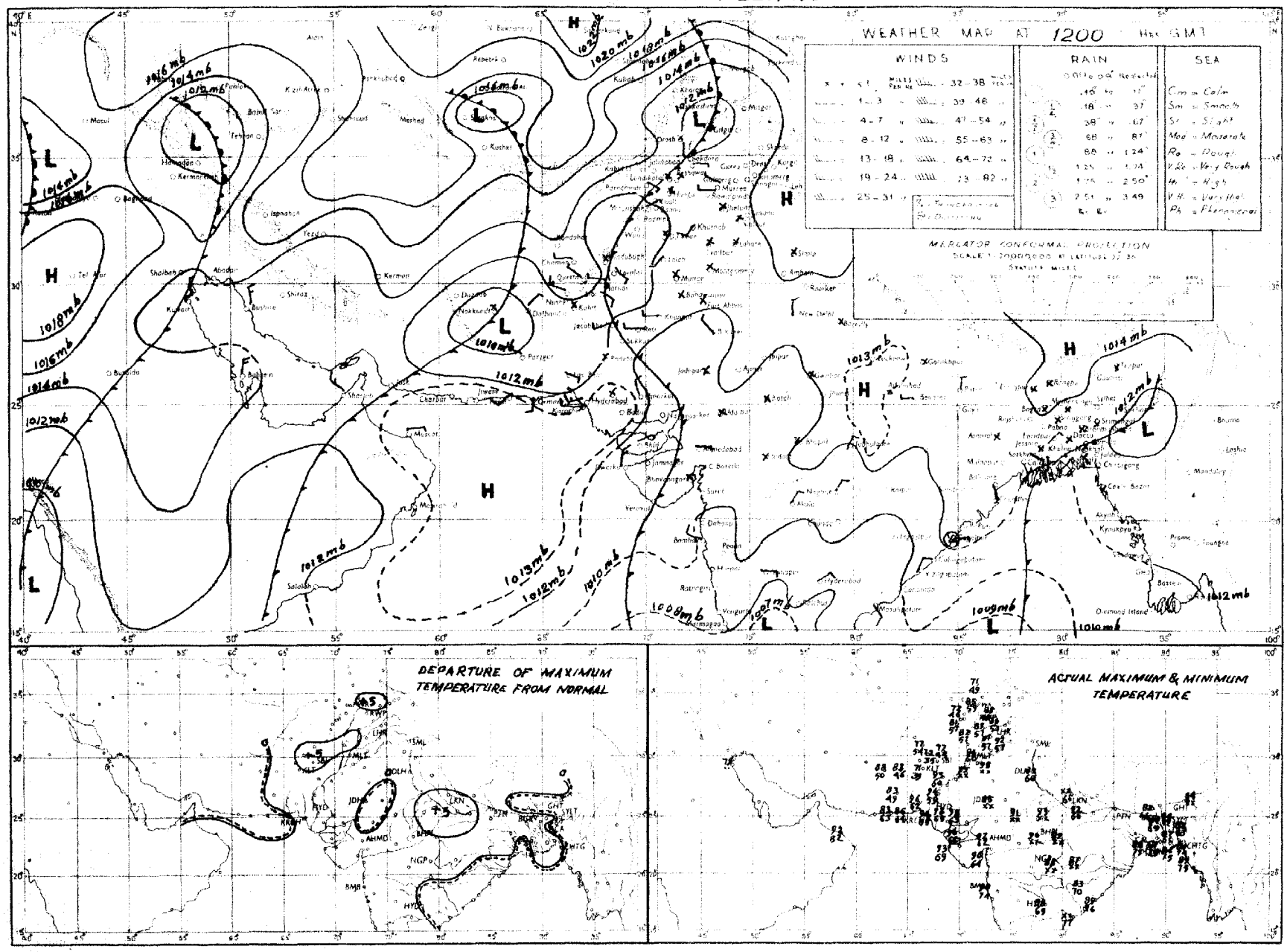
TUESDAY 6th. NOVEMBER 1951



Rainfall amounts indicated in the above chart refer to past 24 *hours*

PAKISTAN DAILY WEATHER MAP

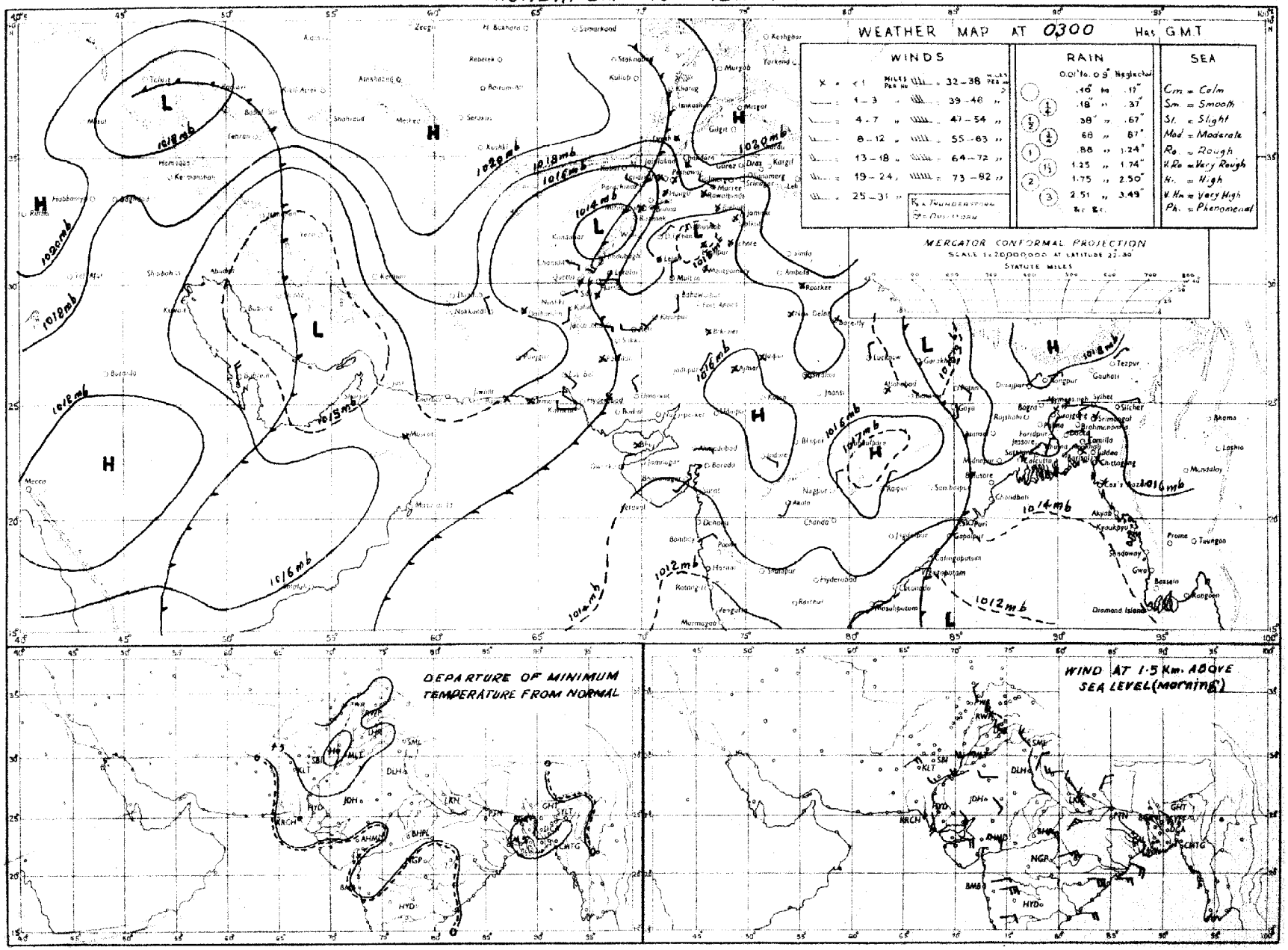
MONDAY 5th: NOVEMBER 1951



Rainfall amounts indicated in the above chart refer to past 9 hours

PAKISTAN DAILY WEATHER MAP

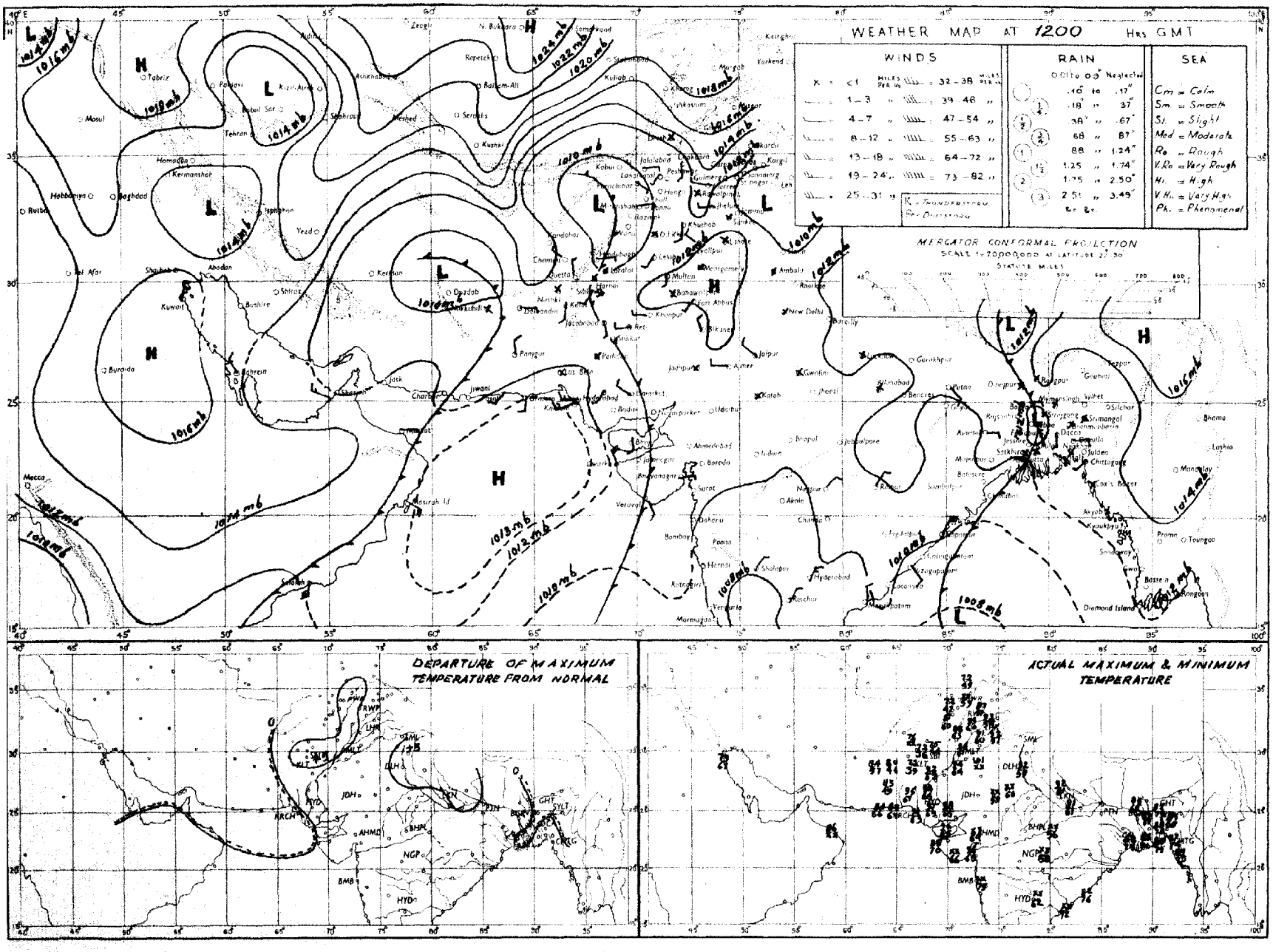
MONDAY 5th: NOVEMBER 1951



Rainfall amounts indicated in the above chart refer to past **24** *hours.*

PAKISTAN DAILY WEATHER MAP

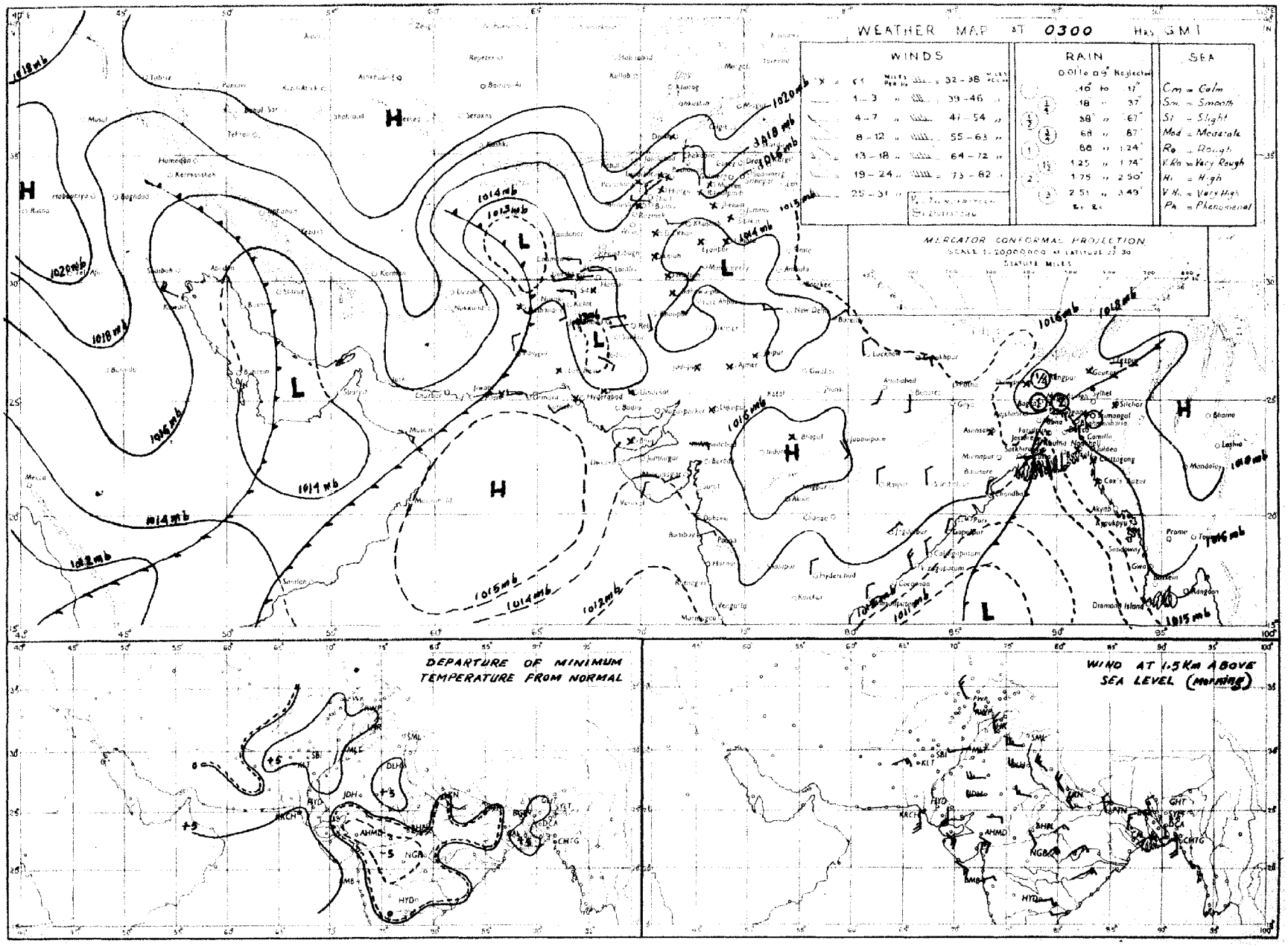
SUNDAY 4th. NOVEMBER 1951



Rainfall amounts indicated in the above chart refer to past 9 hours

PAKISTAN DAILY WEATHER MAP

SUNDAY 4th: NOVEMBER 1951



Rainfall amounts marked on the above chart refer to past 24 hours.

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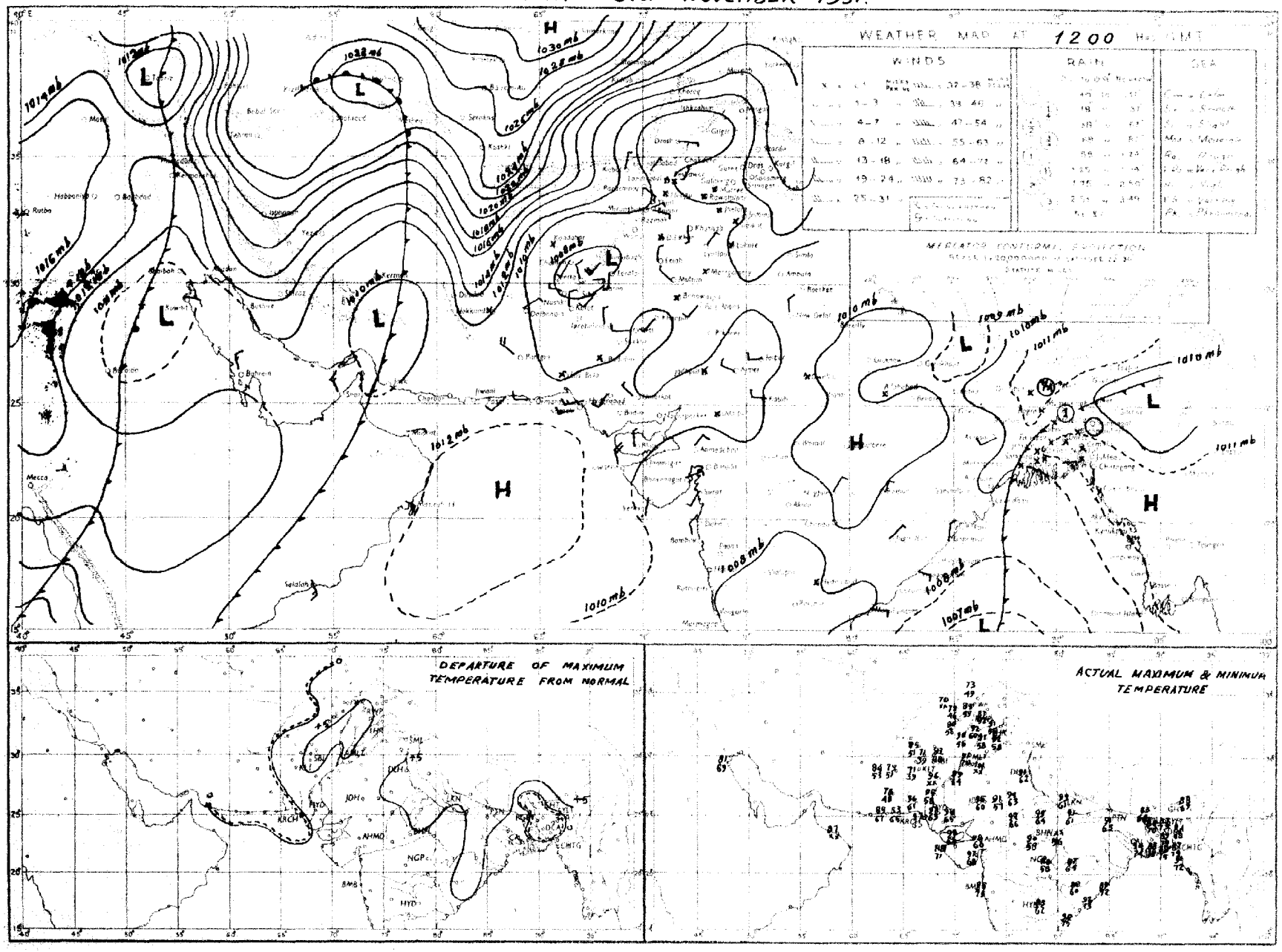
PAKISTAN DAILY WEATHER MAP

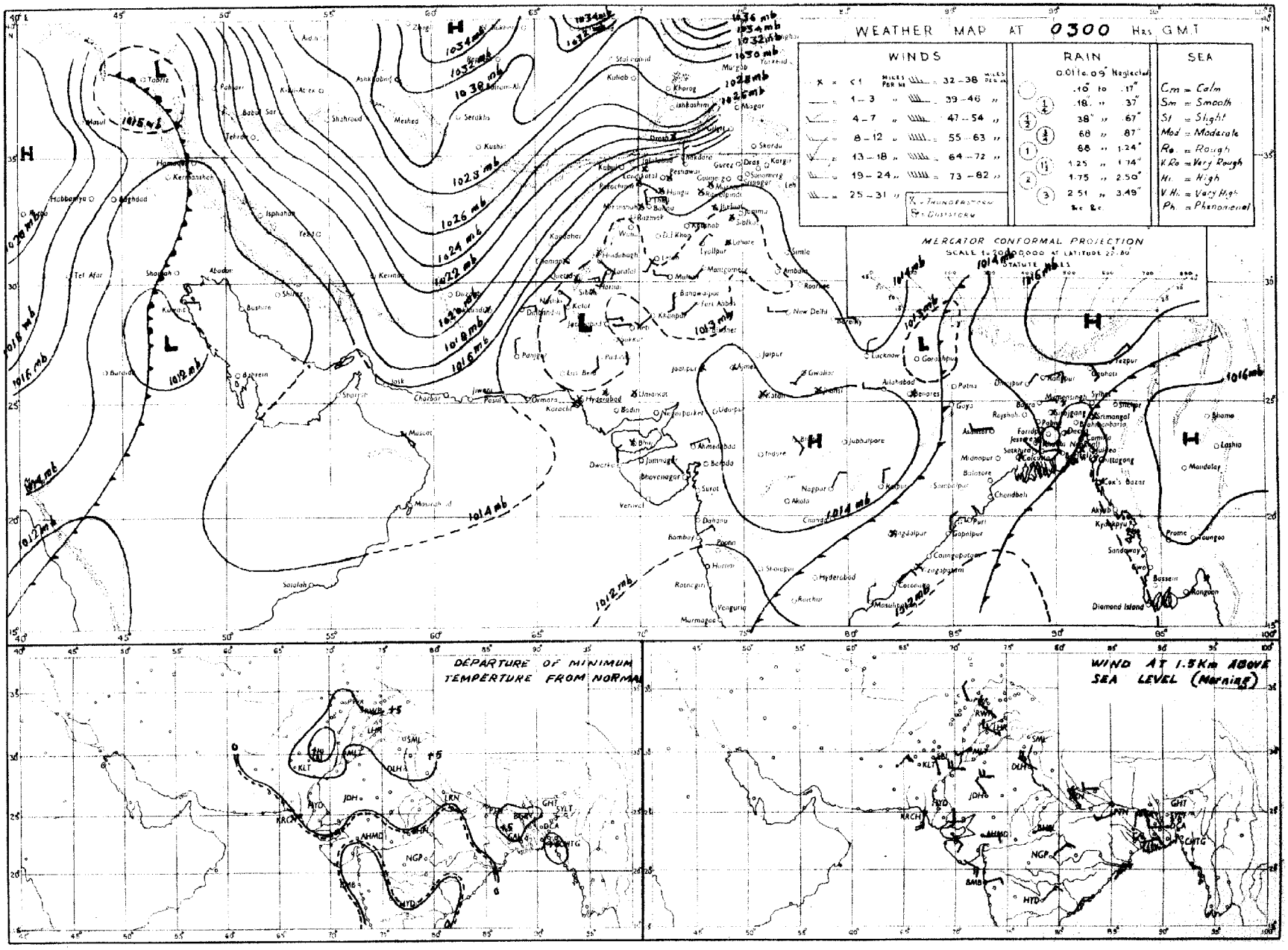
SATURDAY 3rd. NOVEMBER 1951.



Rainfall amounts indicated in the above chart refer to past 9 hours

PAKISTAN DAILY WEATHER MAP

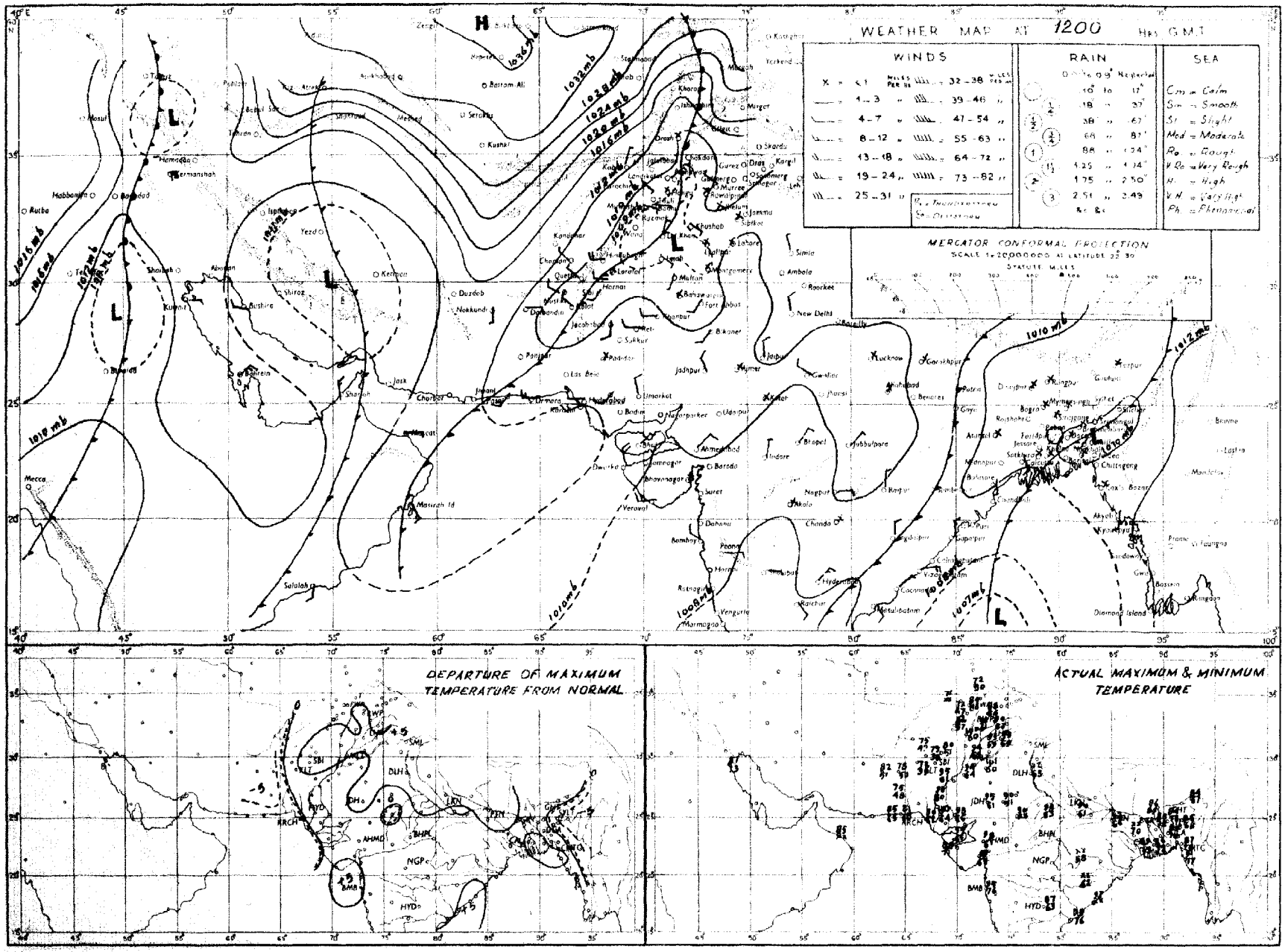
SATURDAY 3rd: NOVEMBER 1951



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

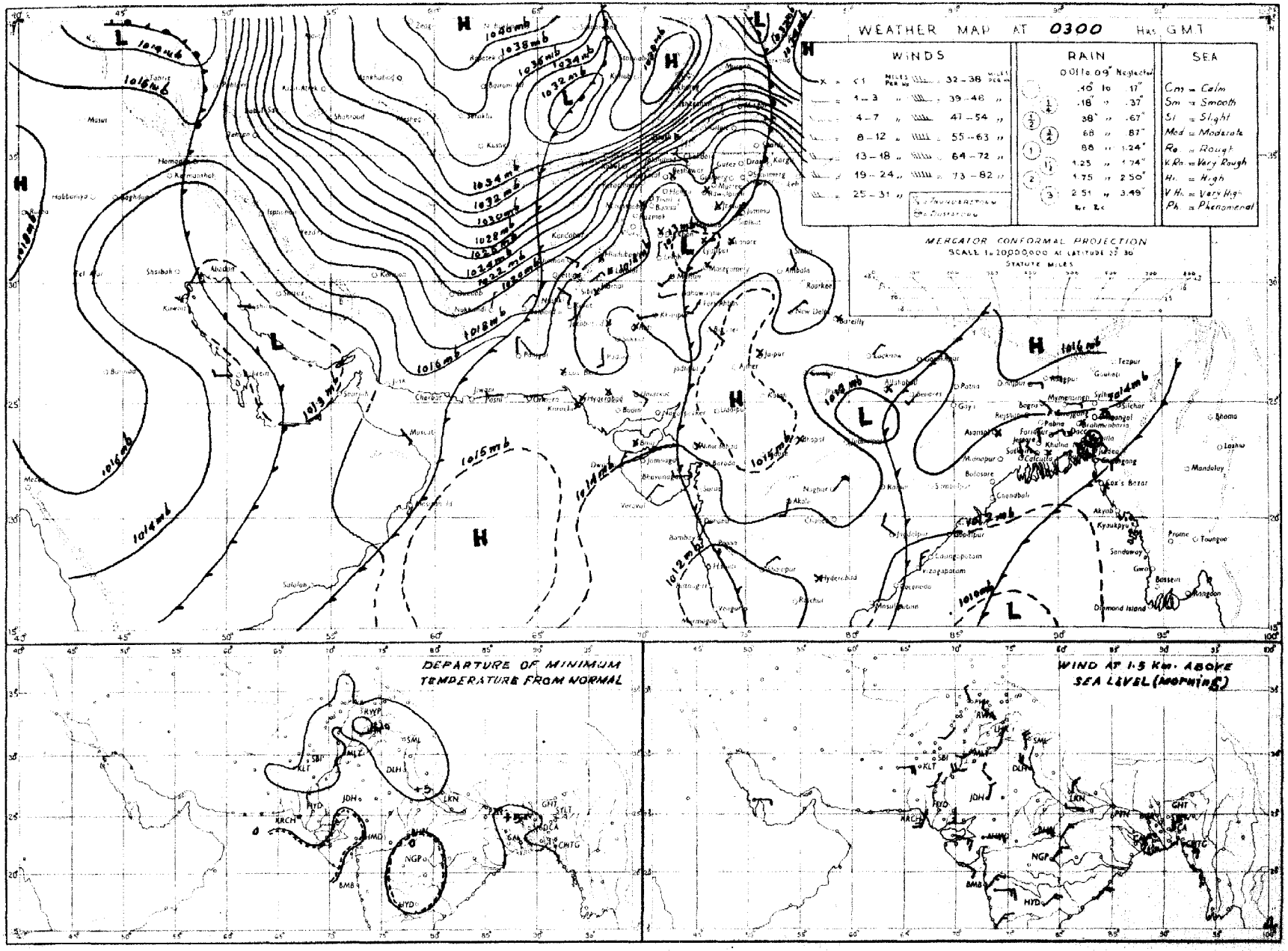
FRIDAY 2nd NOVEMBER 1951



Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER MAP

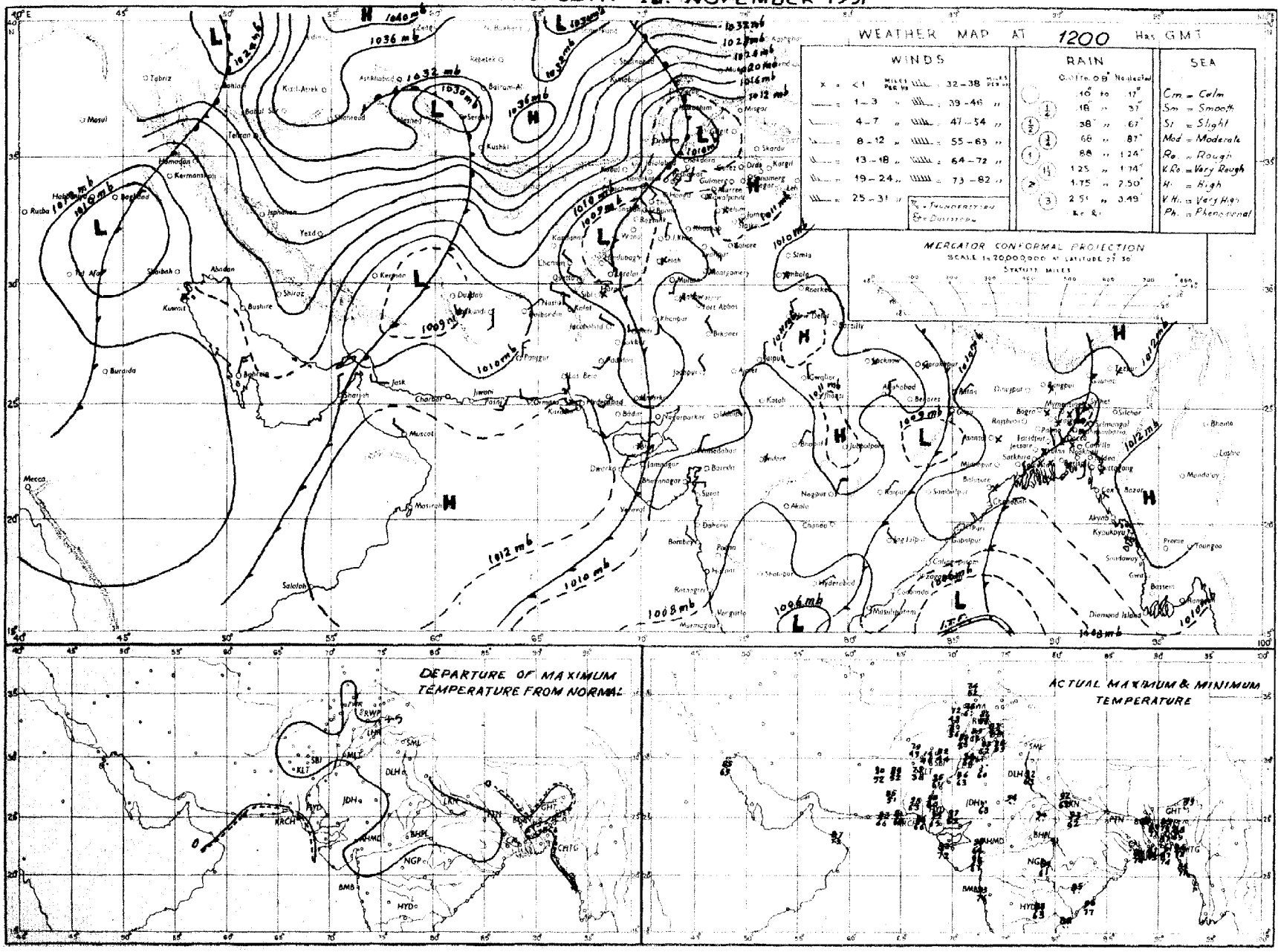
FRIDAY 2nd NOVEMBER 1951



Rainfall amounts indicated in the above chart refer to past **24** *hours.*

PAKISTAN DAILY WEATHER MAP

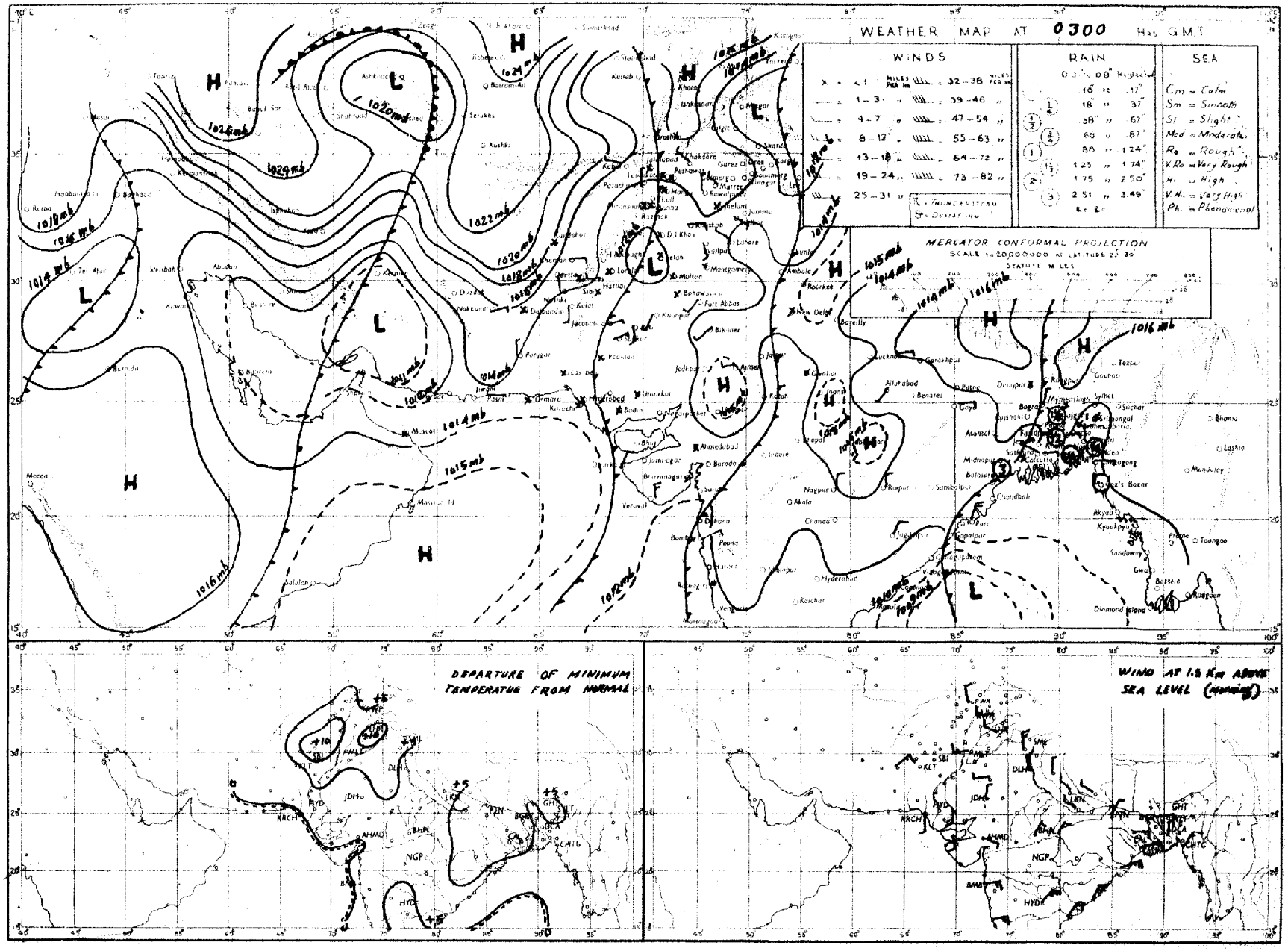
THURSDAY 1st NOVEMBER 1951



Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER MAP

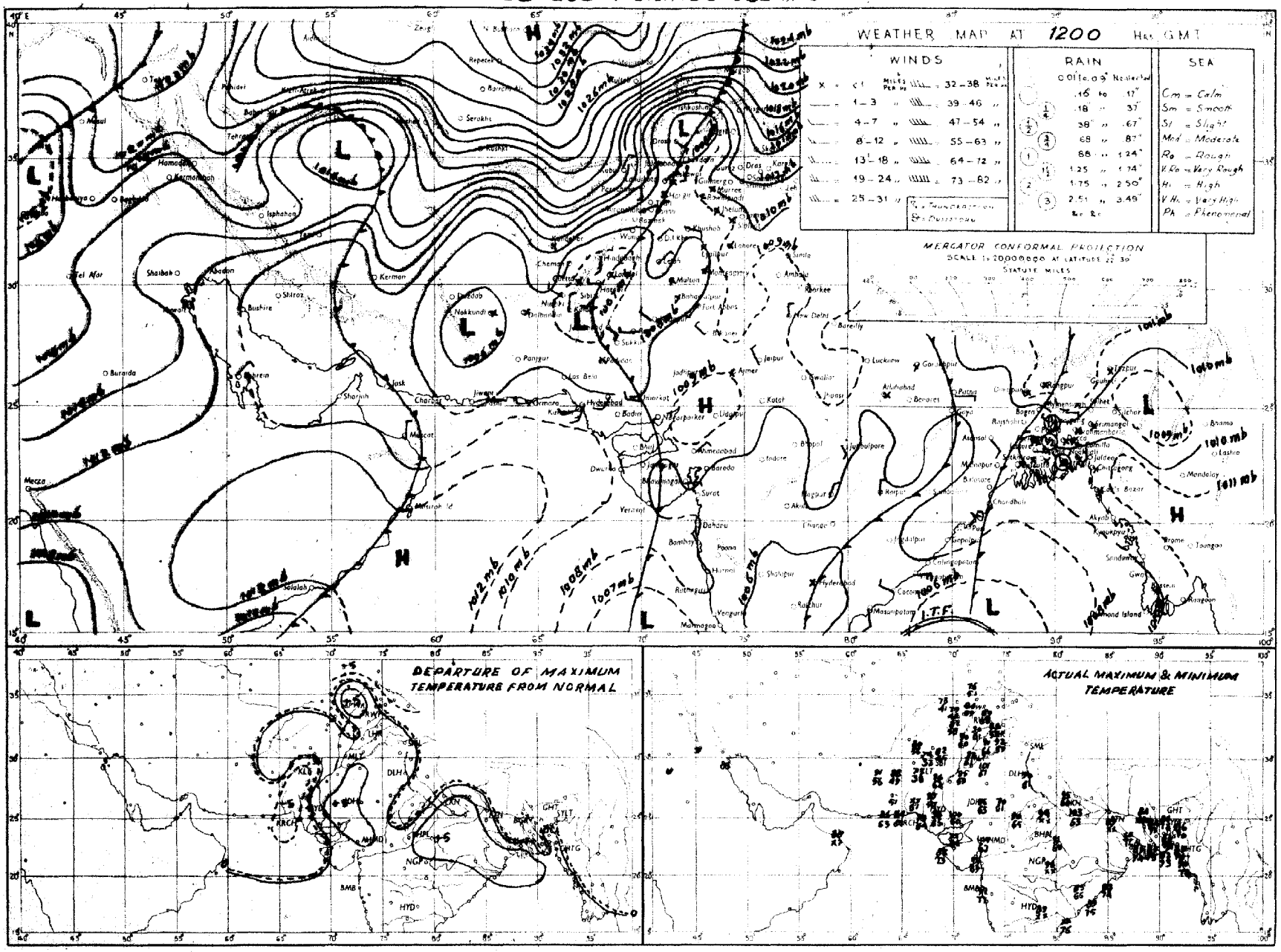
THURSDAY 1st. NOVEMBER 1951.



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

WEDNESDAY 31st OCTOBER, 1951



Rainfall amounts indicated in the above chart refer to past 9 hours.

Regd. No S-1451.

WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G. M. T. on Wednesday, the 14th November 1951

—o:O:o—

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WEATHER BUREAU

SUMMARY OF WEATHER.

An active Western disturbance which lay over northeast Baluchistan and the adjoining Punjab on the 11th, moved away northeastwards across Kashmir and the adjoining areas of West Pakistan by the next day and was responsible for :—(a) Fairly widespread rain thundershowers over the hills of the North West Frontier Province and scattered in the extreme north Punjab and (b) local duststorms dust raising winds in Baluchistan and scattered in the South Punjab.

Weather remained dry in East Pakistan.

Some of the noteworthy amounts of rainfall recorded during the week were :—Drosh ½", Chakdara and Parachinar ¼" each on the 12th.

Night temperatures were markedly to considerably above normal in West Pakistan on the 11th and in the Punjab and Sind on the 12th. They were also appreciably to markedly above normal in West Pakistan on the first there days, in the Punjab, Sind and south Baluchistan on the last two days and in East Pakistan on the 8th.

2. EAST PAKISTAN : Dry weather prevailed over the region.

KASHMIR : Data not available.

PUNJAB : A few falls were recorded over the hills of the North Punjab on one day.

NORTH WEST FRONTIER PROVINCE : Nearly general precipitation occurred over the hills on one day.

BALUCHISTAN : Weather continued dry.

SIND : Weather continued dry.

JUNAGADH : Data not available.

3. No rain fell over the country during the week.

Rainfall for the period from 1st November 1951 to date was in large excess in the Northern sub-division, deficient in the Eastern sub-division and scanty in the Deltaic sub-division of East Pakistan. No rain fell elsewhere.

4. The table overleaf summarises the rainfall statistics for the eleven sub-divisions of Pakistan both for the week and for the period from 1st November 1951 to date.

KARACHI-11.
The 14th November, 1951

MOHAMMAD SHABBAR,
for Director, Meteorological Service.

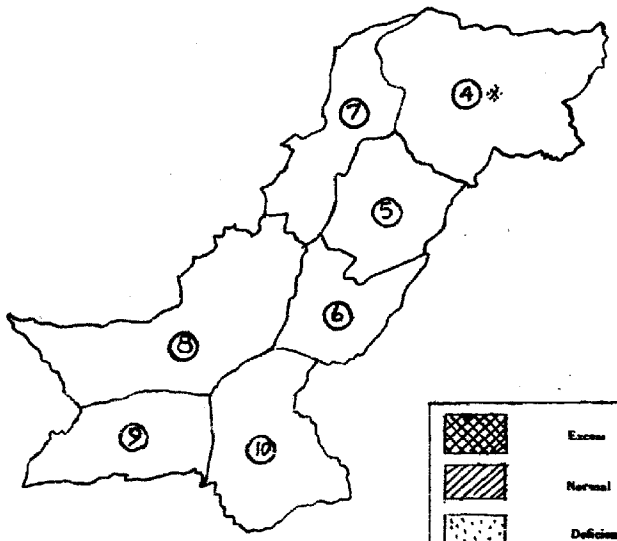
WEEKLY WEATHER REPORT

Division	Rainfall for week ending on 14th November, 1951.			Rainfall for period from 1-11-1951 to 14th November, 1951.			
	Actual †	Normal	Excess or defect	Actual †	Normal	* Excess or defect	
						Inches	Per cent
1	2	3	4	5	6	7	8
1. East Pakistan (East)	0	0.3	- 0.3	0.5	1.1	- 0.6	- 53
2. East Pakistan (Deltaic)	0	0.3	- 0.3	0.2	0.8	- 0.6	- 78
3. East Pakistan (North)	0	0.2	- 0.2	0.7	0.5	+ 0.3	+ 60
4. Kashmir ††	....	....	....	....	....	....	....
5. North Punjab	0	0	0	0	0	0	- 100
6. South Punjab	0	0	0	0	0	0	—
7. N. W. F. P.	0	0	0	0	0	0	—
8. North Baluchistan	0	0	0	0	0	0	- 100
9. South Baluchistan	0	0	0	0	0	0	—
10. Sind	0	0	0	0	0	0	- 100
11. Junagadh ††	....	....	....	....	....	....	....

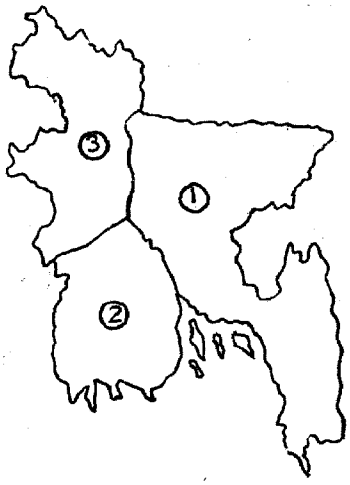
* In the calculation of excesses and defects, and their percentages, rainfall figures are taken correct to 0·01".

† Rainfall of stations having no normals is not included.

†† Data not available



RAINFALL FOR THE WEEK ENDING 14-11-1951



Excess + 20 % or more

Normal + 19% to - 19 %

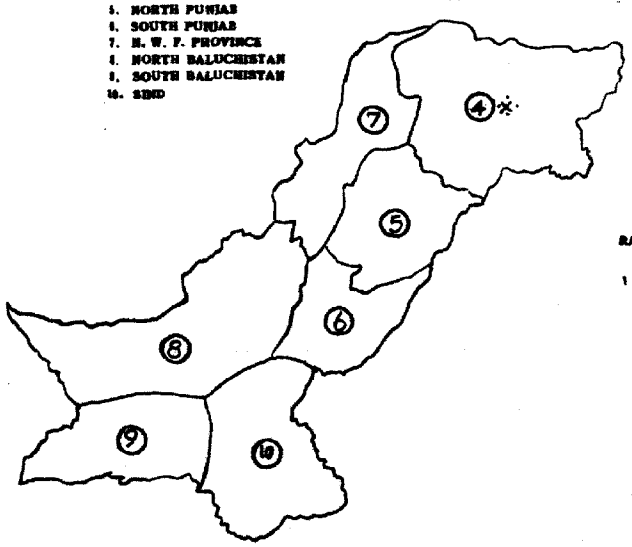
Deficient - 20% to - 59 %

Scanty - 60 % or less

WEST PAKISTAN

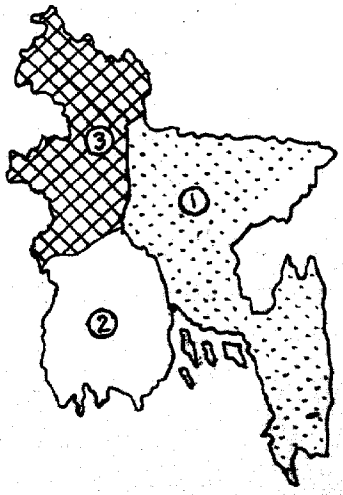
EAST PAKISTAN

4. KASHMIR
5. NORTH PUNJAB
6. SOUTH PUNJAB
7. N. W. F. PROVINCE
8. NORTH BALUCHISTAN
9. SOUTH BALUCHISTAN
10. SIND



RAINFALL FOR THE PERIOD FROM 1-11-1951 TO 14-11-1951

1. EAST PAKISTAN (EAST)
2. EAST PAKISTAN (DELTAIC)
3. EAST PAKISTAN (NORTH)



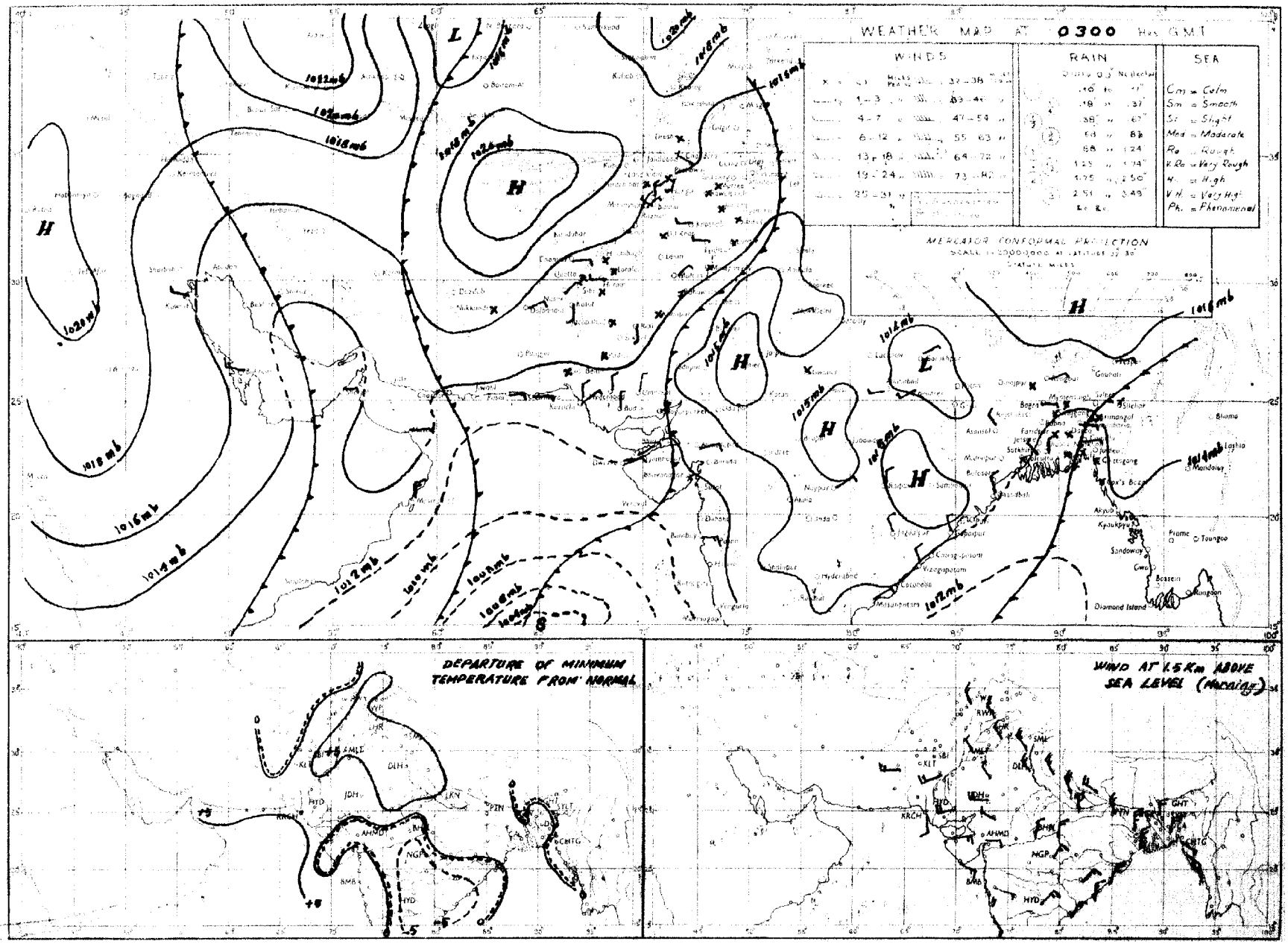
SCALE—336 MILES=1"

SCALE—330 MILES=1"

* Data not available.

PAKISTAN DAILY WEATHER MAP

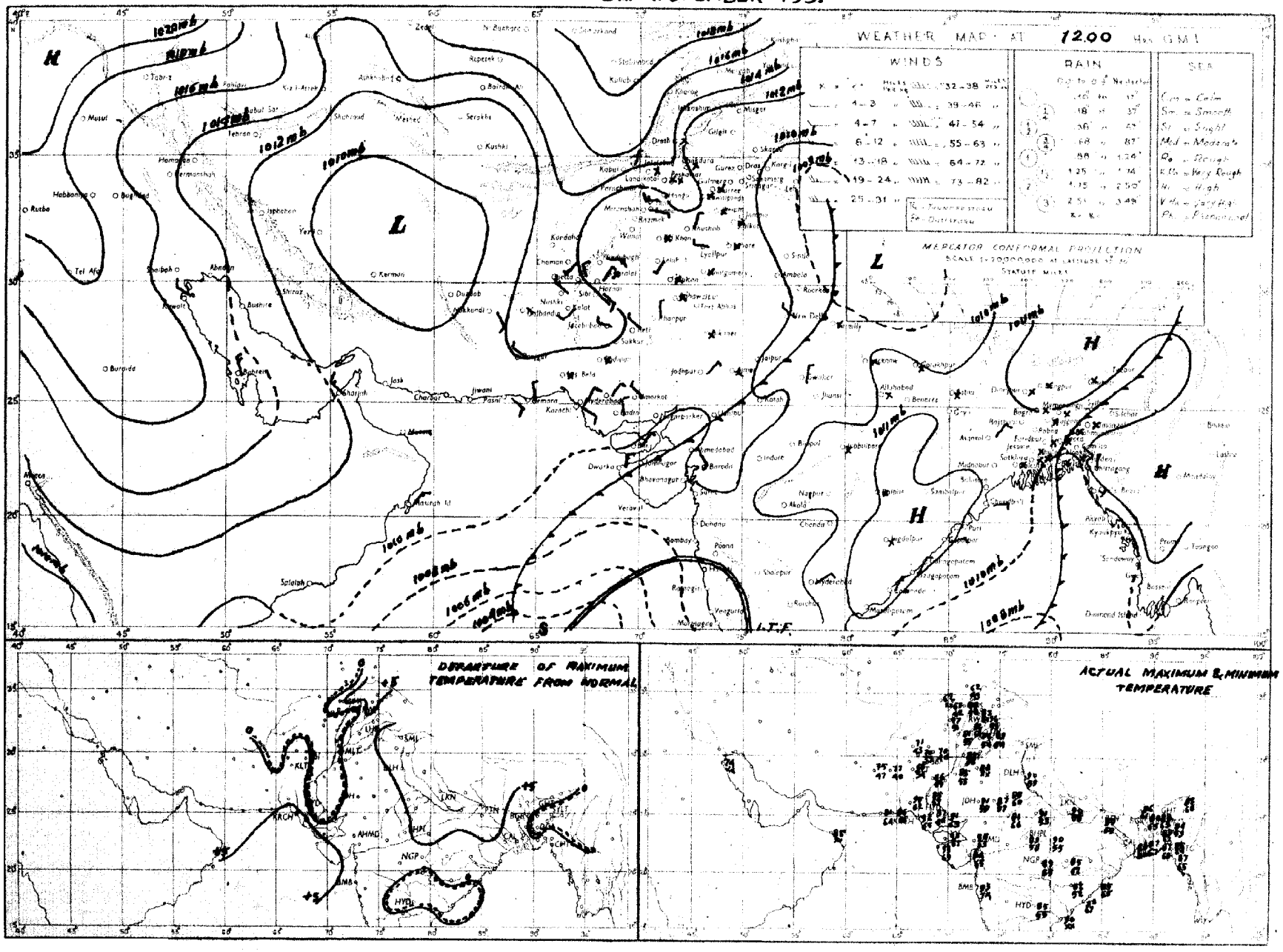
WEDNESDAY 14th. NOVEMBER 1951.



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

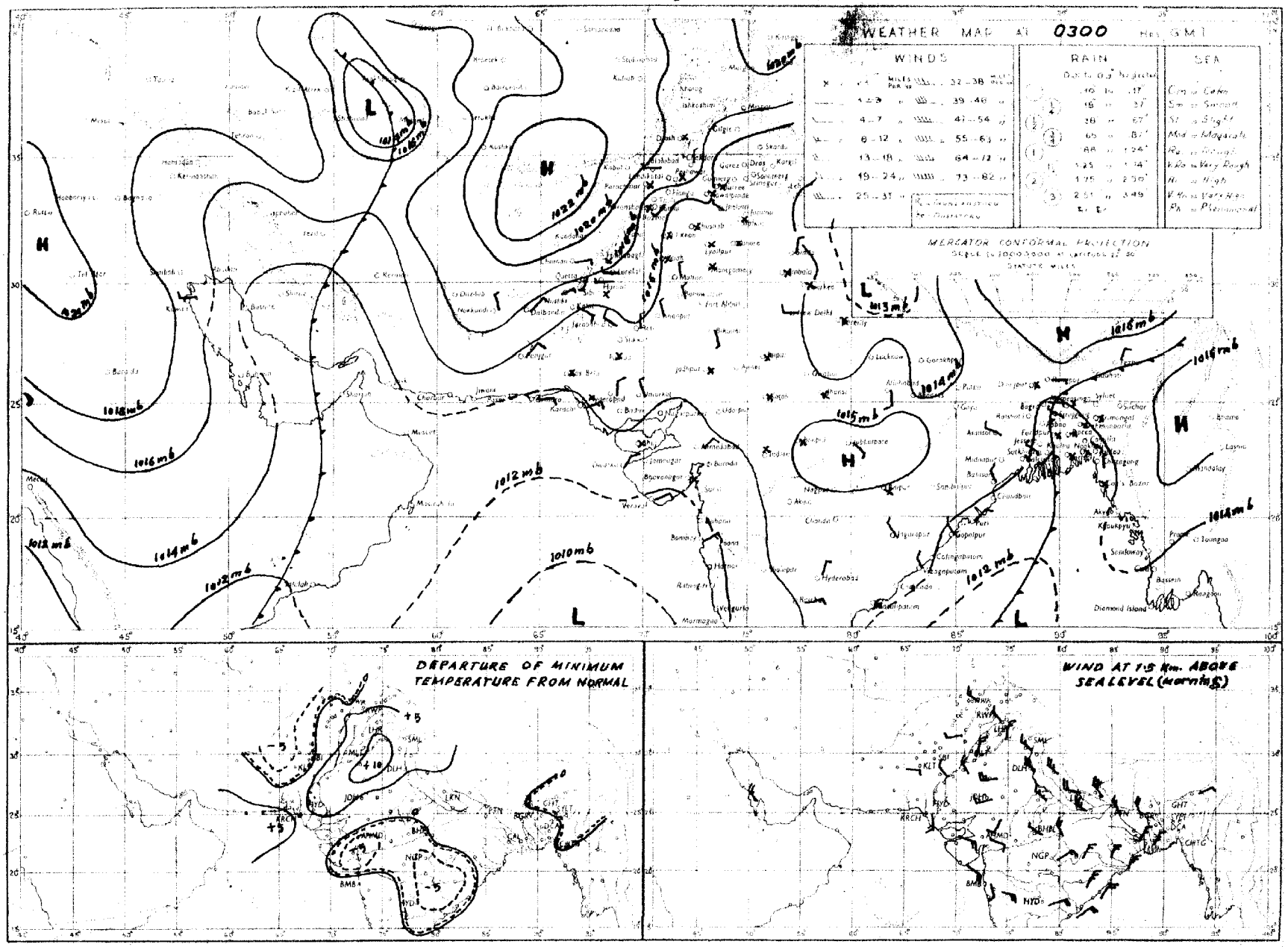
TUESDAY 13th NOVEMBER 1951



Rainfall amounts indicated in the above chart refer to past 9 hours

PAKISTAN DAILY WEATHER MAP

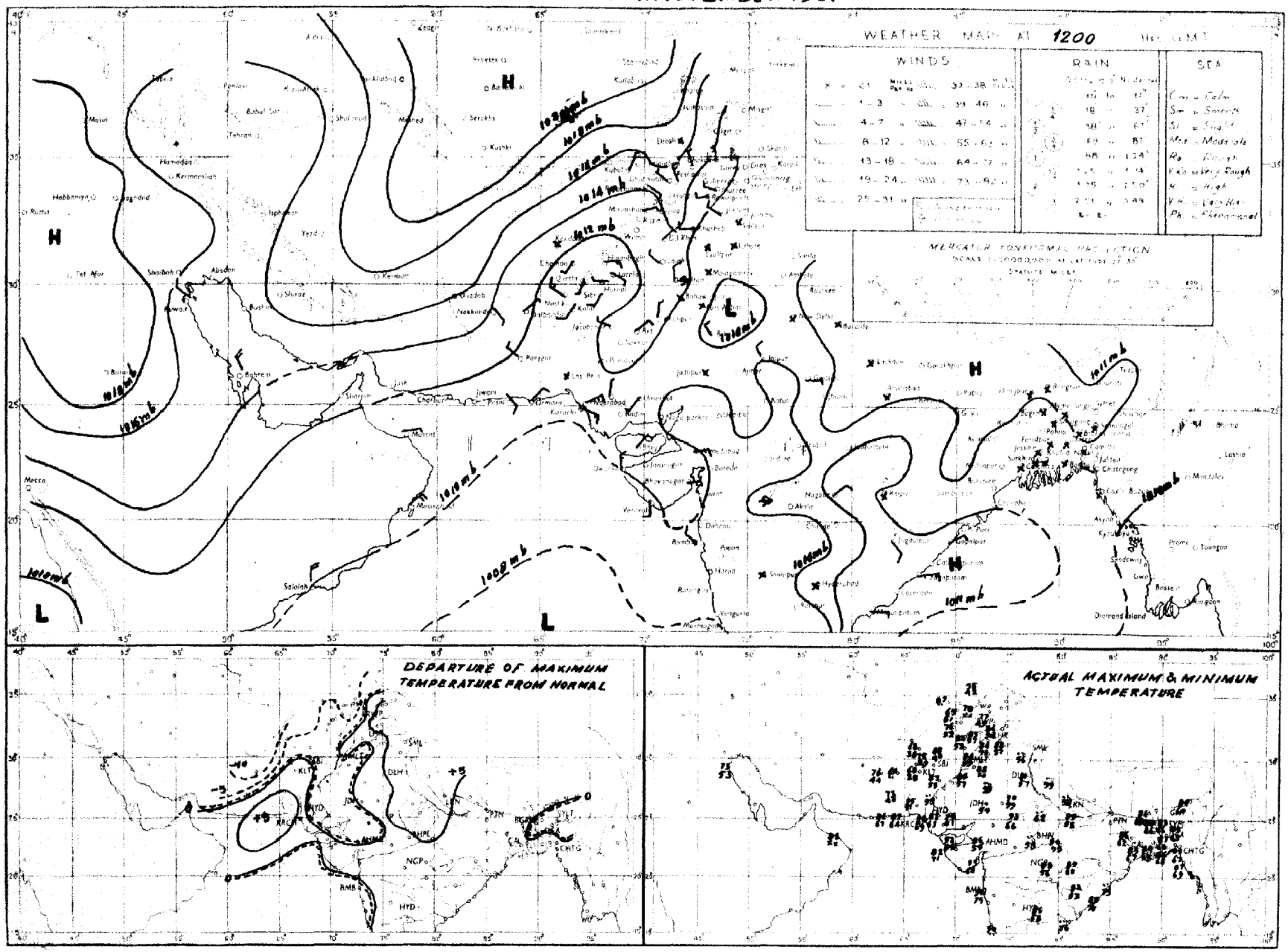
TUESDAY 13th: NOVEMBER 1951



Rainfall amounts indicated in the above chart refer to past 24 hours

PAKISTAN DAILY WEATHER MAP

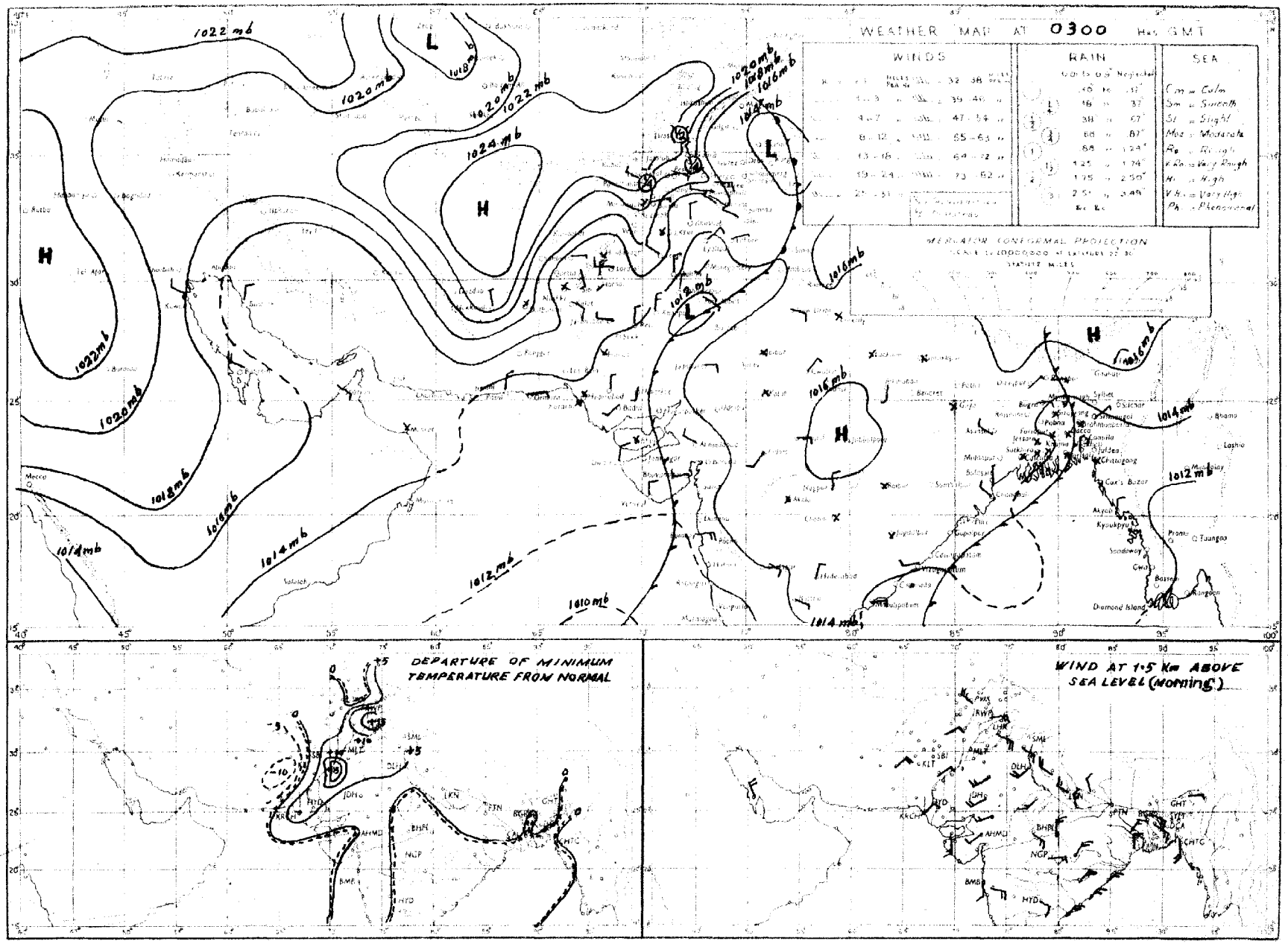
MONDAY 12th: NOVEMBER 1951



Rainfall amounts indicated in the above chart refer to past 24 hours

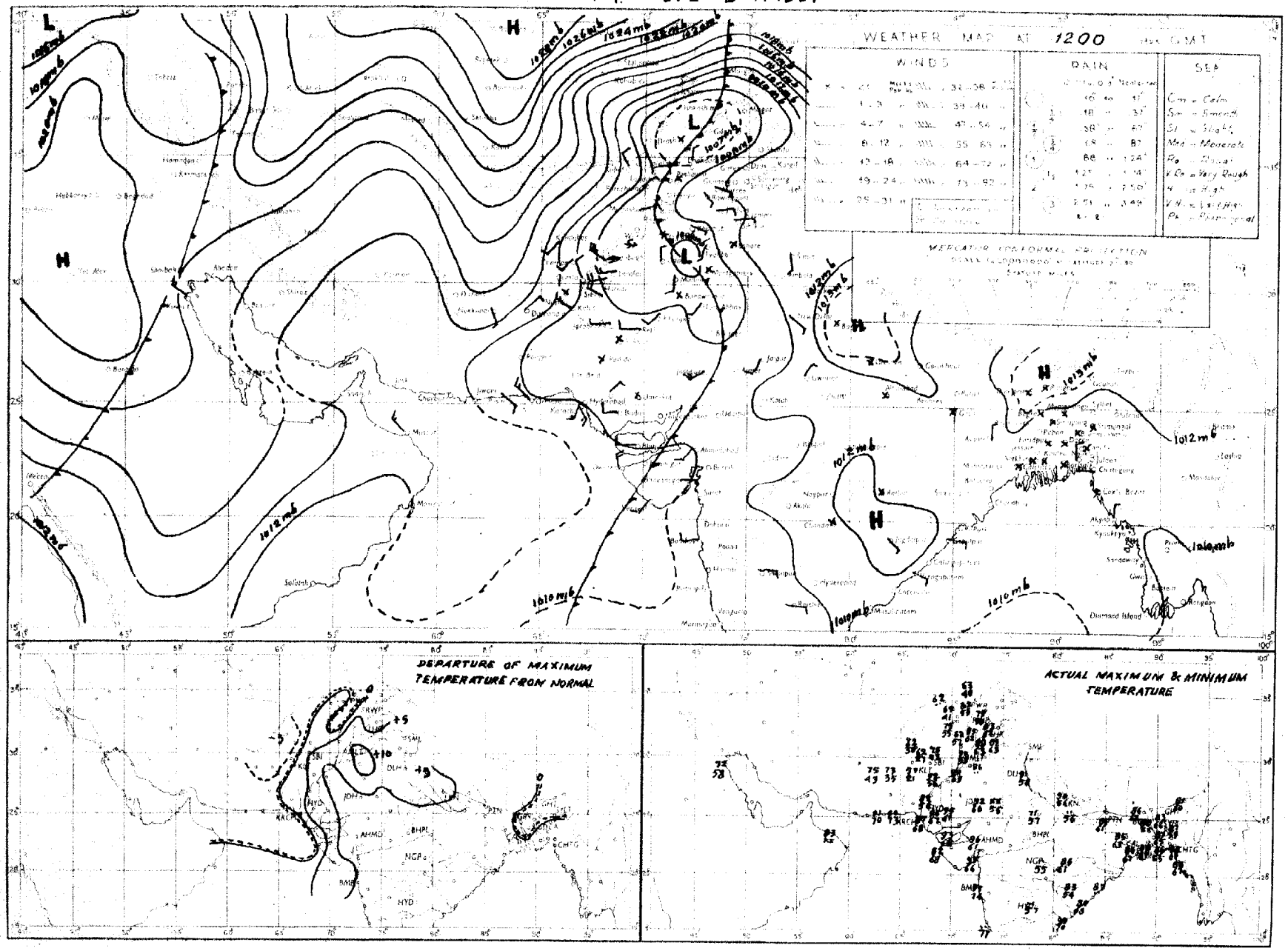
PAKISTAN DAILY WEATHER MAP

MONDAY 12th NOVEMBER 1951



PAKISTAN DAILY WEATHER MAP

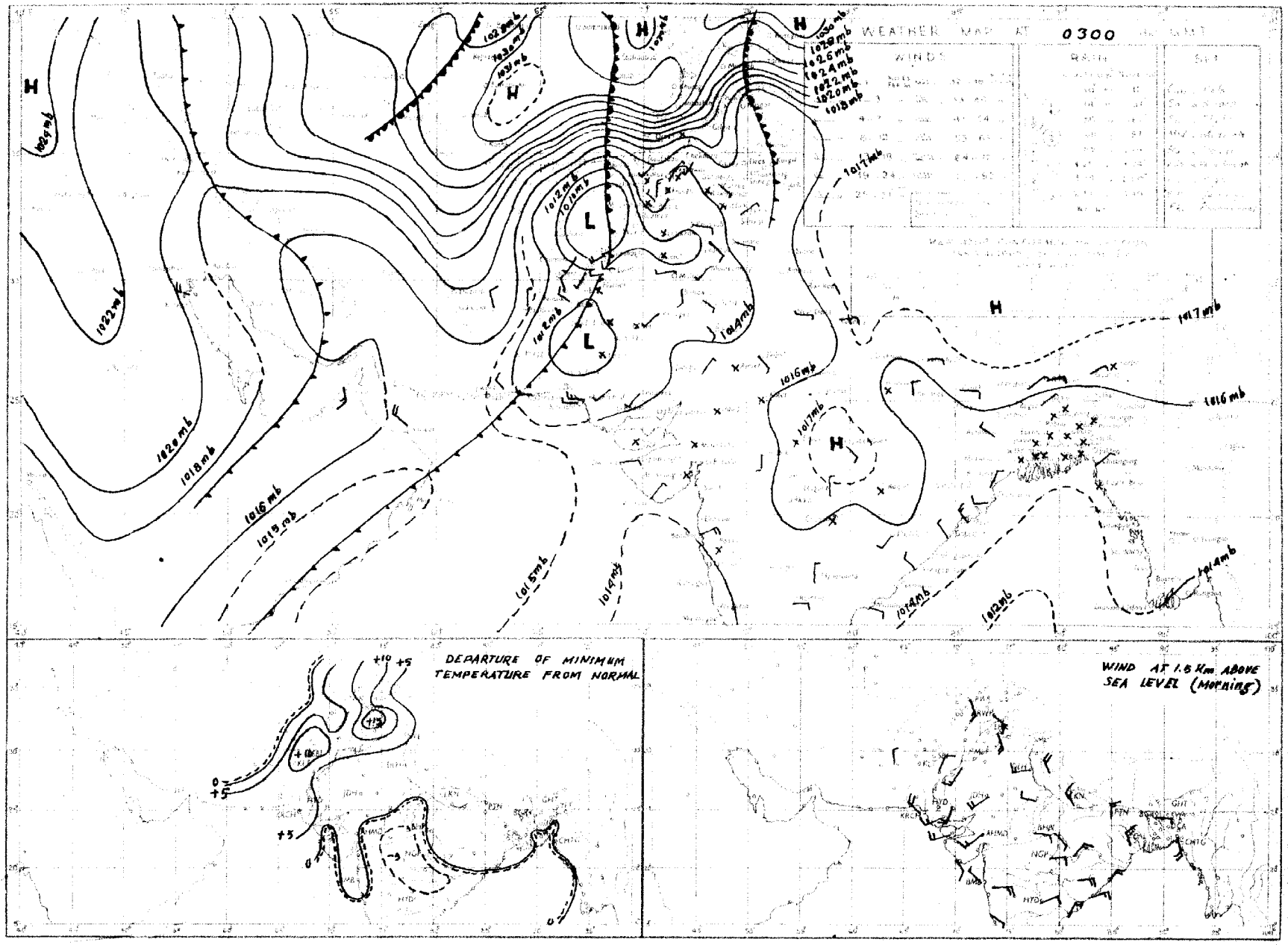
SUNDAY 11th NOVEMBER 1951



Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER MAP

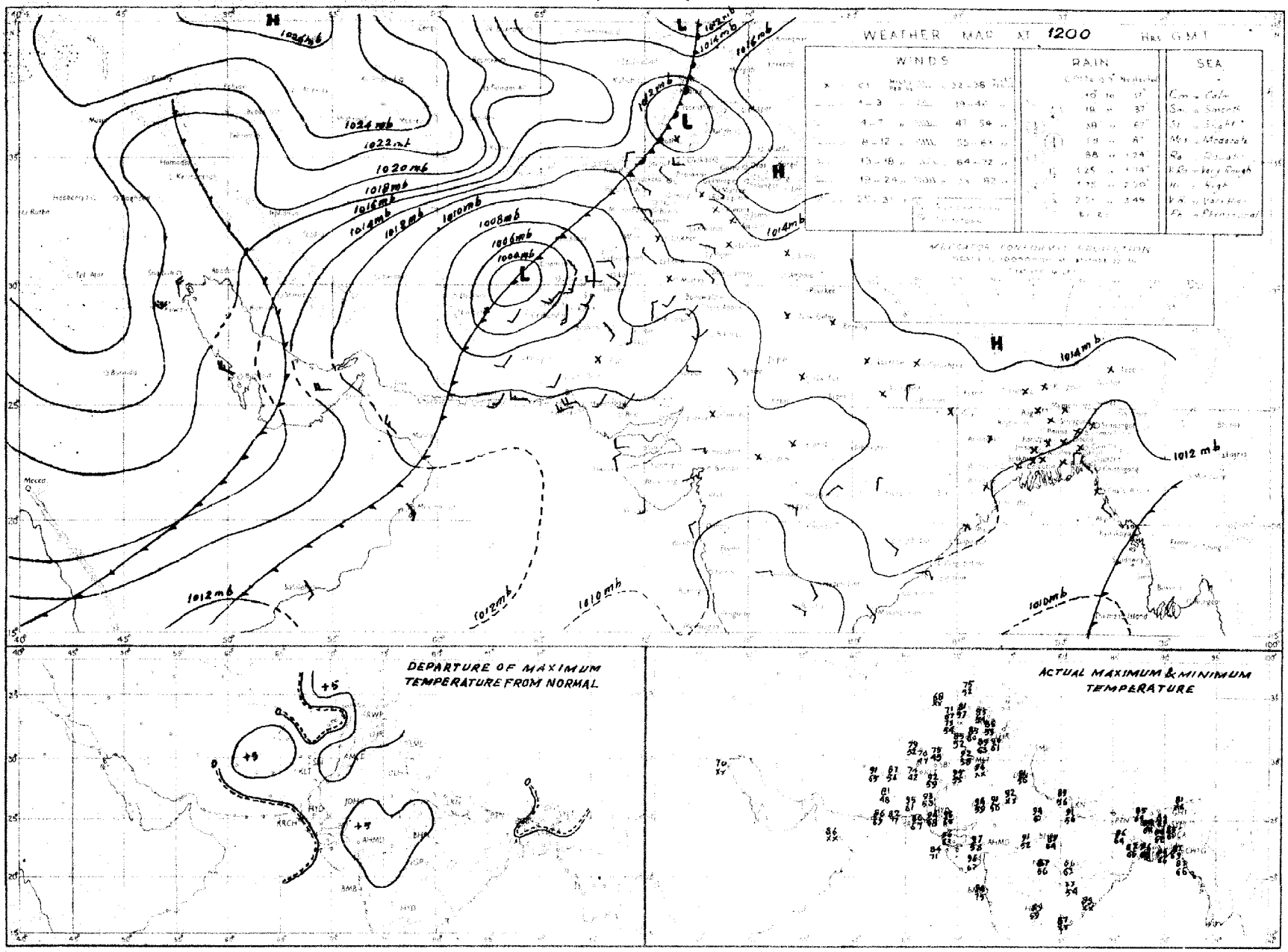
SUNDAY 11th. NOVEMBER 1951



Pakistan amounts indicated in the above chart refer to past 24 hours.

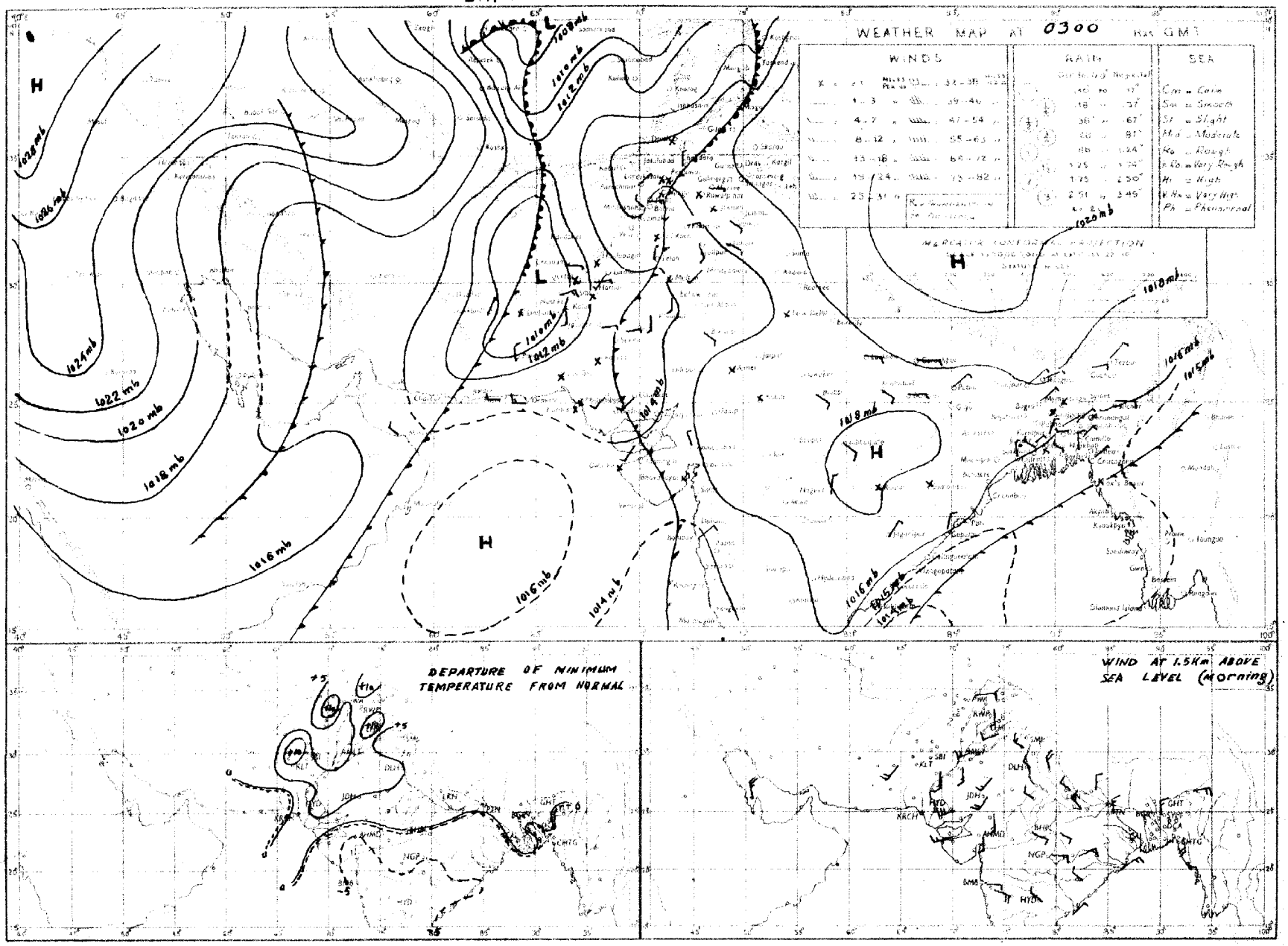
PAKISTAN DAILY WEATHER MAP

SATURDAY 10th: NOVEMBER 1951



PAKISTAN DAILY WEATHER MAP

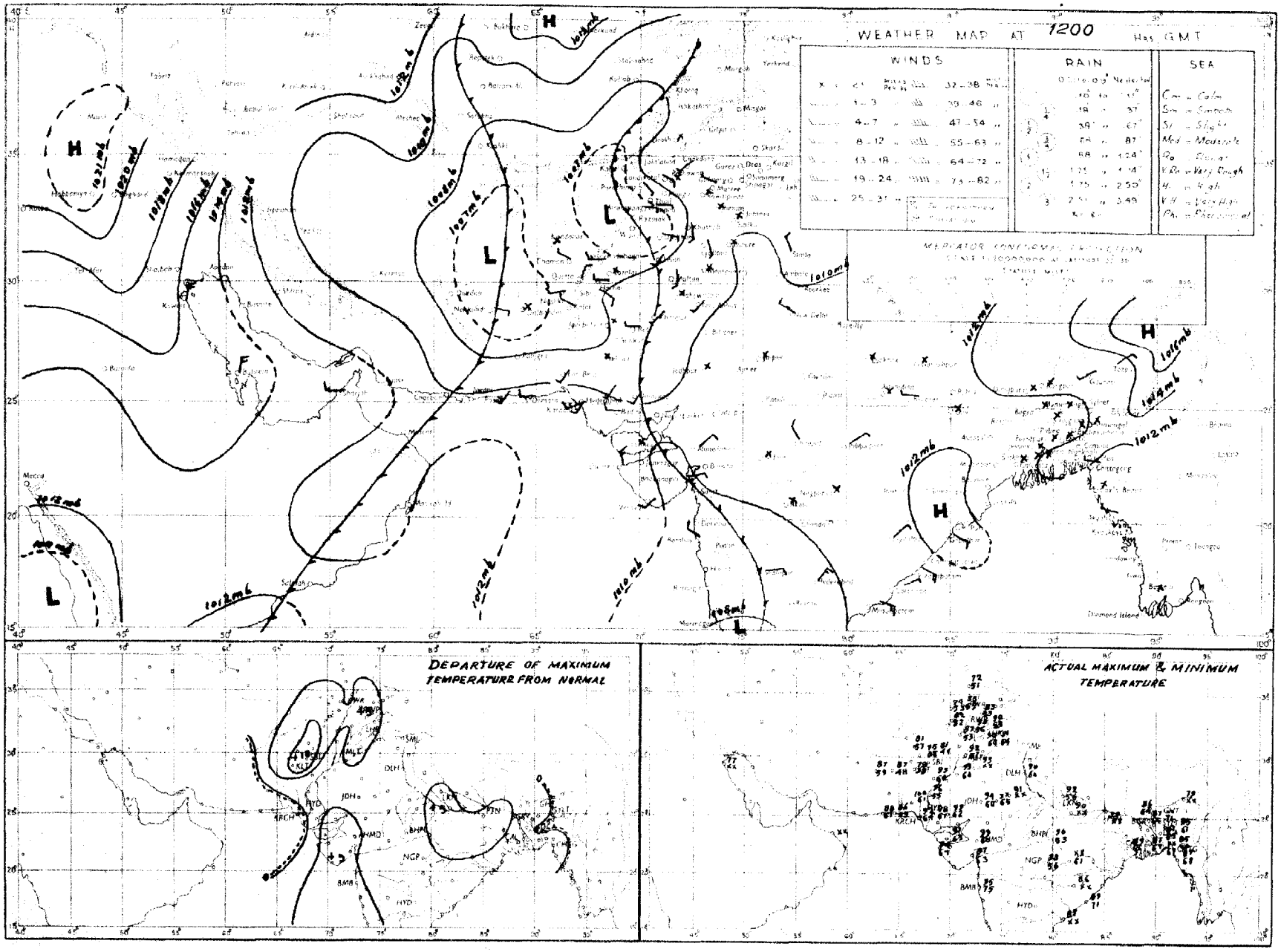
SATURDAY 10th. NOVEMBER 1951



Rainfall amounts mentioned in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

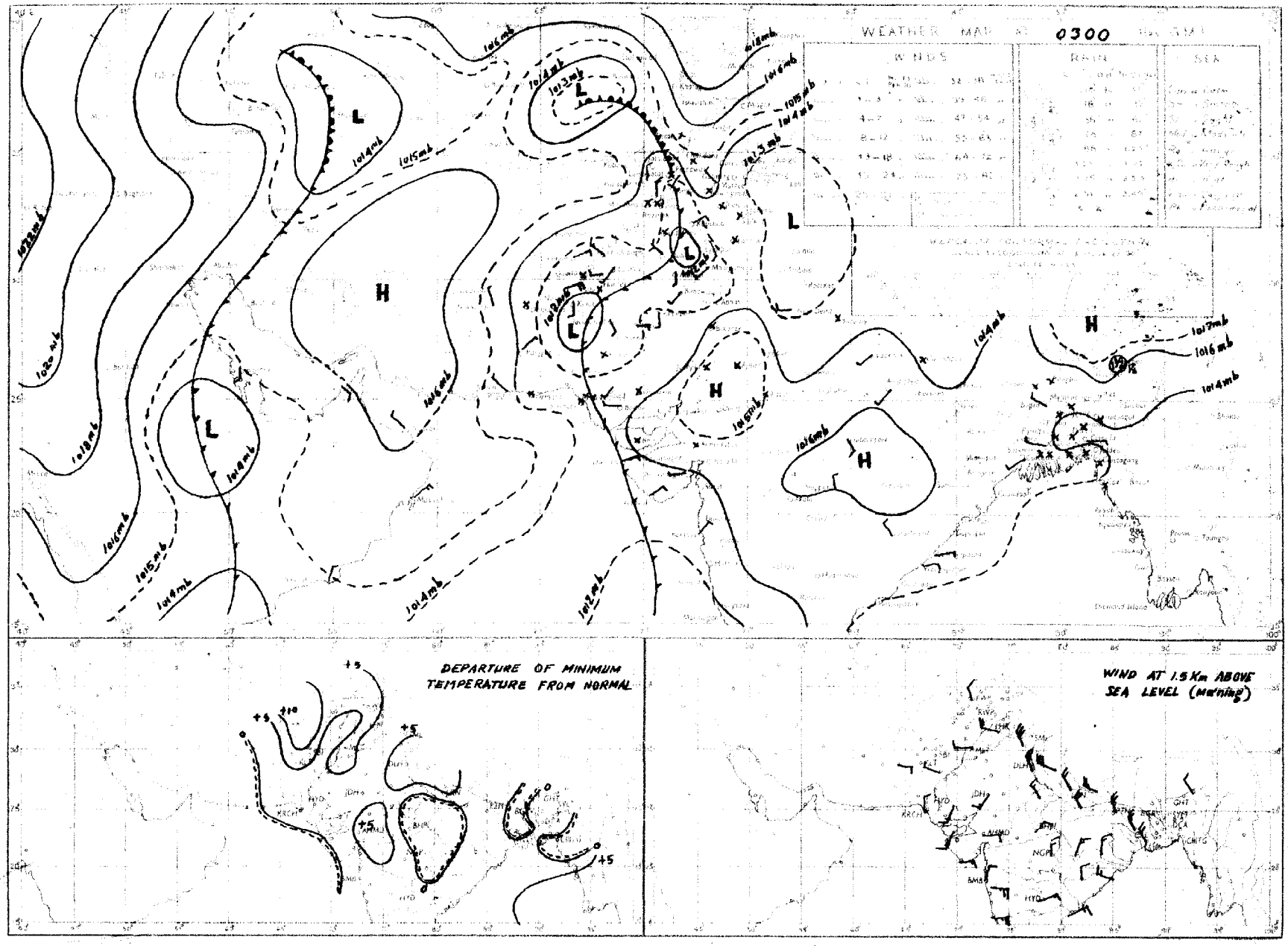
FRIDAY 9th: NOVEMBER 1951



Rainfall amounts indicated in the above chart refer to past 9 hours

PAKISTAN DAILY WEATHER MAP

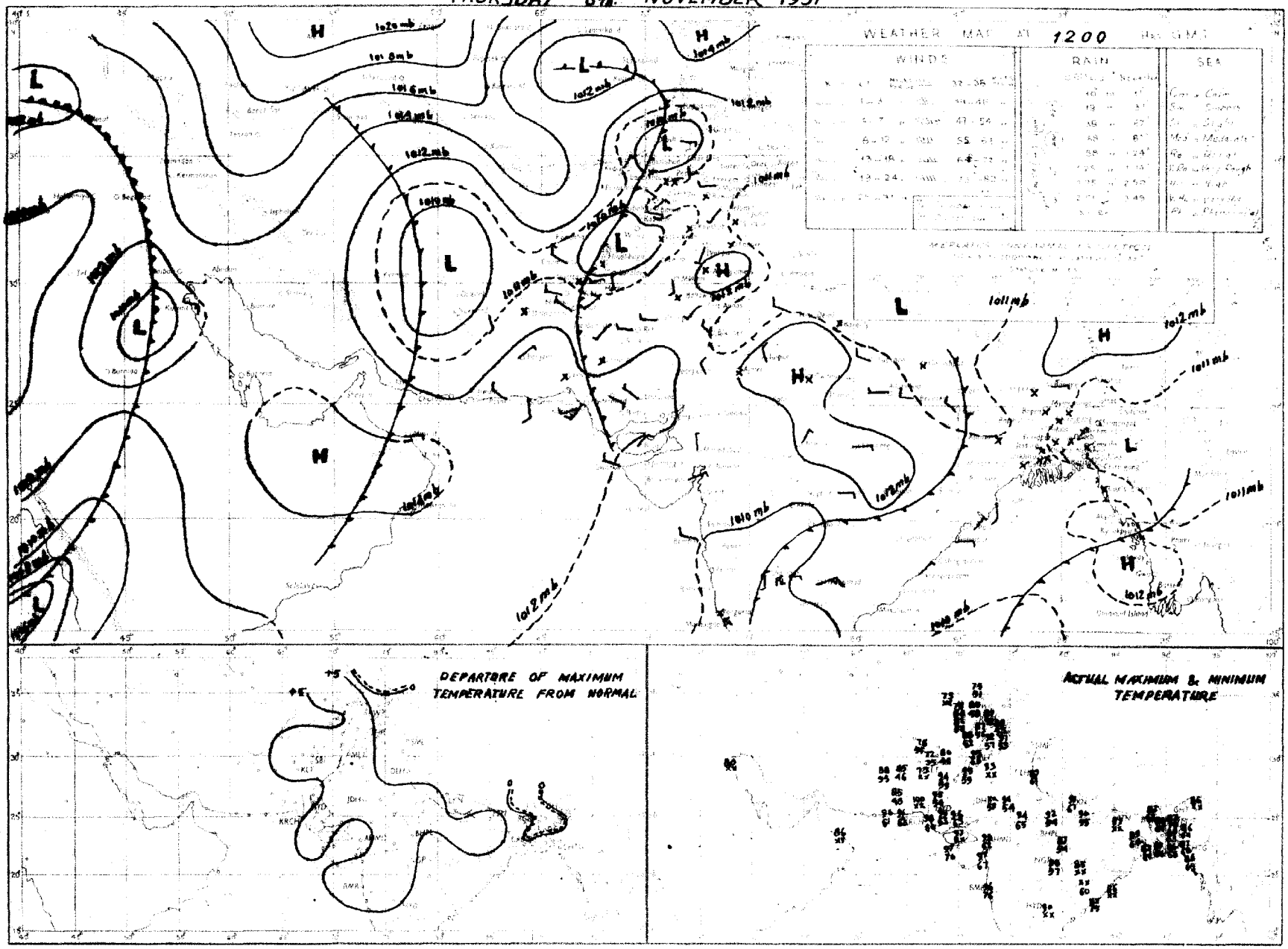
FRIDAY 9th. NOVEMBER 1951



Partial records indicated in the above chart refer to past 24 hours

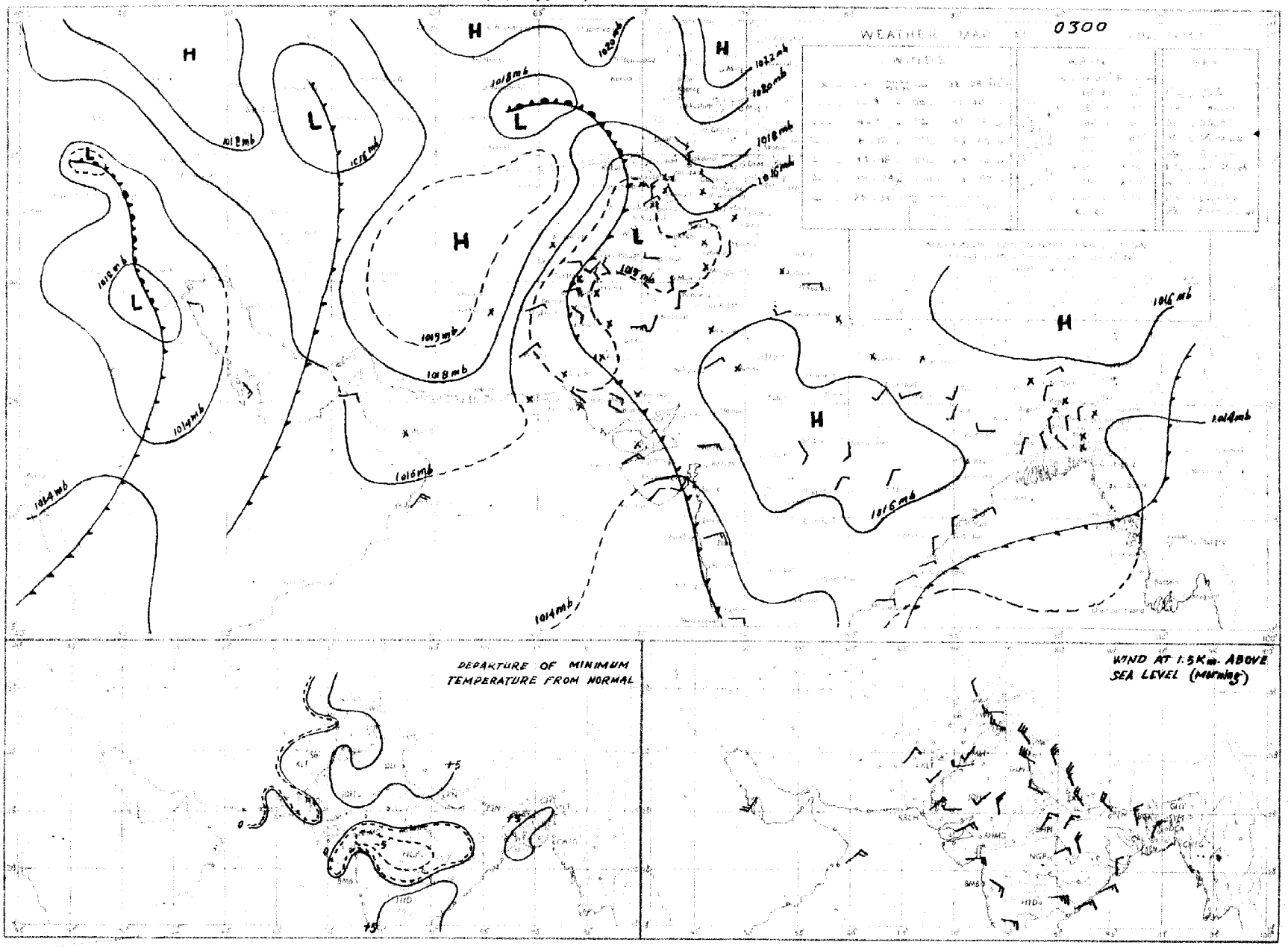
PAKISTAN DAILY WEATHER MAP

THURSDAY 8th. NOVEMBER 1951



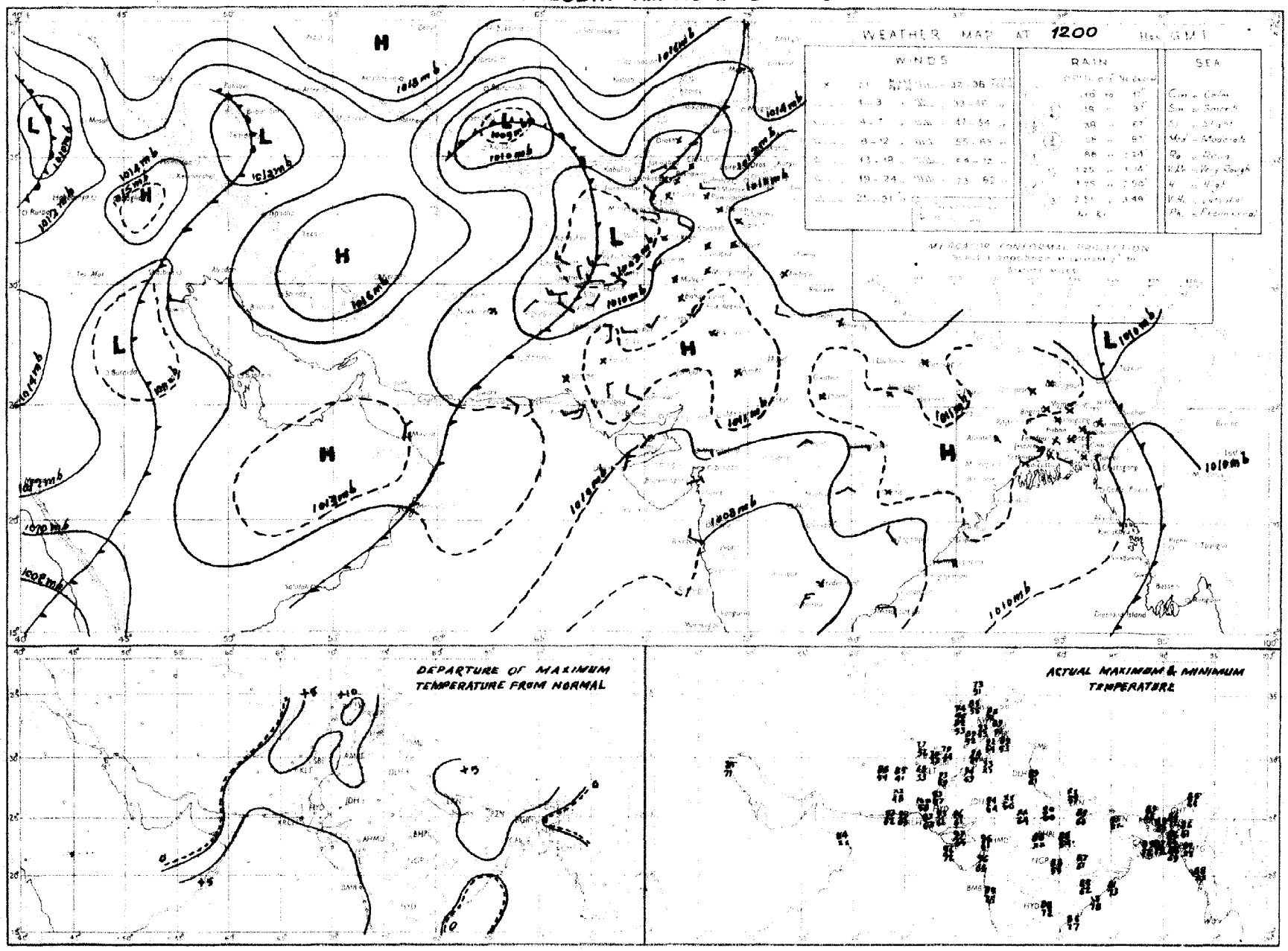
PAKISTAN DAILY WEATHER MAP

THURSDAY 8th. NOVEMBER 1951



PAKISTAN DAILY WEATHER MAP

WEDNESDAY 7th NOVEMBER 1951



Regd. No. S-1451.

WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G. M. T. on Wednesday, the 21st November, 1951.

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WEATHER BUREAU

—o:O:o—

SUMMARY OF WEATHER.

The chief feature of the week was a cyclonic storm which formed in the central Arabian Sea.

A deep depression was centred in the central Arabian Sea on the morning of the 13th, within a degree of latitude 11°N longitude 64°E. It intensified into a cyclonic storm with its central region within one degree of latitude 12½°N and longitude 64½°E by the next day and moving in a northnorth-easterly direction further intensified into a severe cyclonic storm with core of violent winds by the 16th morning when its centre lay near 19°N, 67°E. It weakened rapidly and lay as a deep depression about 70 miles southwest of Dwarka on the 17th. The depression filled up off Kathiawar coast by the 18th night. In its association widespread rain/drizzle and moderate gales from a few stations were reported from lower Sind on the 17th and 18th; Badin reporting ¾" of rain on the 18th. Day temperatures also fell appreciably to markedly in lower Sind on the 16th and 17th and in the south Punjab on the 17th.

Weather remained dry in East Pakistan.

Night temperatures were generally appreciably to markedly above normal in West Pakistan during the week and in East Pakistan on the 17th, 19th and 21st.

2. EAST PAKISTAN: Weather continued dry.

KASHMIR: Data not available.

PUNJAB: Weather remained dry.

NORTH-WEST FRONTIER PROVINCE: Weather remained dry.

BALUCHISTAN: Weather continued dry.

SIND: A few falls were recorded on one day.

JUNAGADH: Data not available.

3. The week's rainfall was in large excess in Sind. No rain fell elsewhere.

Rainfall for the period from 1st November, 1951 to date was in large excess in Sind, in excess in the Northern sub-division of East Pakistan, deficient in the North-West Frontier Province and scanty in the Eastern and Deltaic sub-divisions of East Pakistan. No rain fell elsewhere.

4. The table overleaf summarises the rainfall statistics for the eleven sub-divisions of Pakistan both for the week and for the period from 1st November, 1951 to date.

KARACHI-11.
The 21st November, 1951

MOHAMMAD SHABBAR,
for Director, Meteorological Service

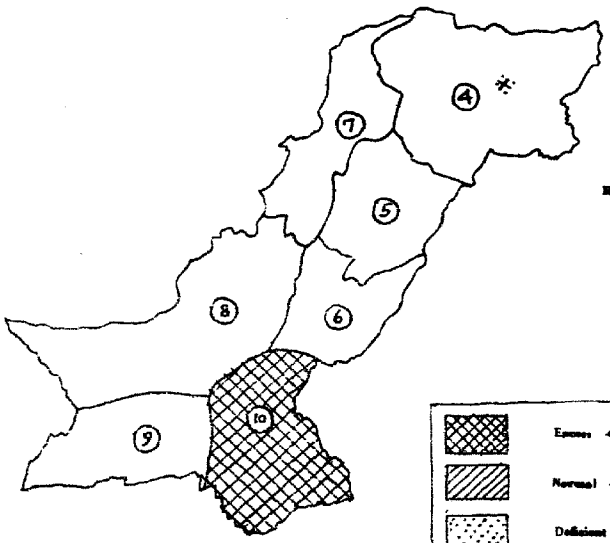
WEEKLY WEATHER REPORT

Division	Rainfall for week ending on 21st November, 1951.			Rainfall for period from 1-11-1951 to 21st November, 1951.			
	Actual †	Normal	Excess or defect	Actual †	Normal	* Excess or defect	
						Inches	Per cent
1	2	3	4	5	6	7	8
1. East Pakistan (East)	0	0 2	− 0.2	0.5	1.4	− 0.8	− 61
2. East Pakistan (Deltaic)	0	0.2	− 0.2	0.2	1.0	− 0.8	− 82
3. East Pakistan (North)	0	0.1	− 0.1	0.7	0.5	+0.2	+ 38
4. Kashmir ††	....	....	....	....	....	....	...
5. North Punjab	0	0.1	− 0.1	0	0.1	− 0.1	− 100
6. South Punjab	0	0	0	0	0	0	...
7. N. W. F. P.	0	0	0	0	0	0	− 33
8. North Baluchistan	0	0	0	0	0.1	− 0.1	− 100
9. South Baluchistan	0	0.1	− 0.1	0	0.1	− 0.1	− 100
10. Sind	0.2	0	+0.2	0.2	0.1	+0.1	+ 200
11. Junagadh ††	....	....	....	....	....	....	....

* In the calculation of excesses and defects, and their percentages, rainfall figures are taken correct to 0·01".

† Rainfall of stations having no normals is not included.

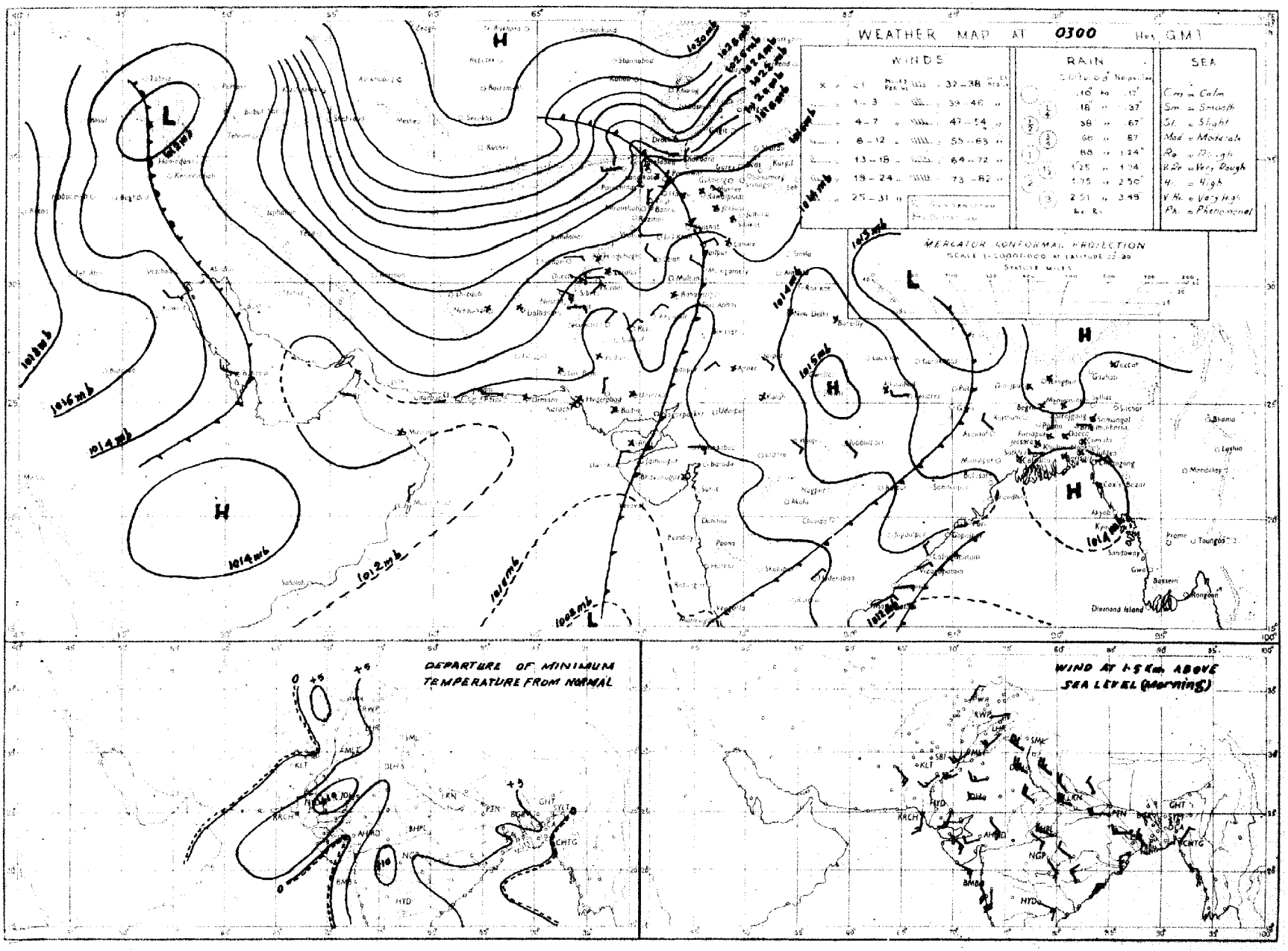
†† Data not available.



* Data not available

PAKISTAN DAILY WEATHER MAP

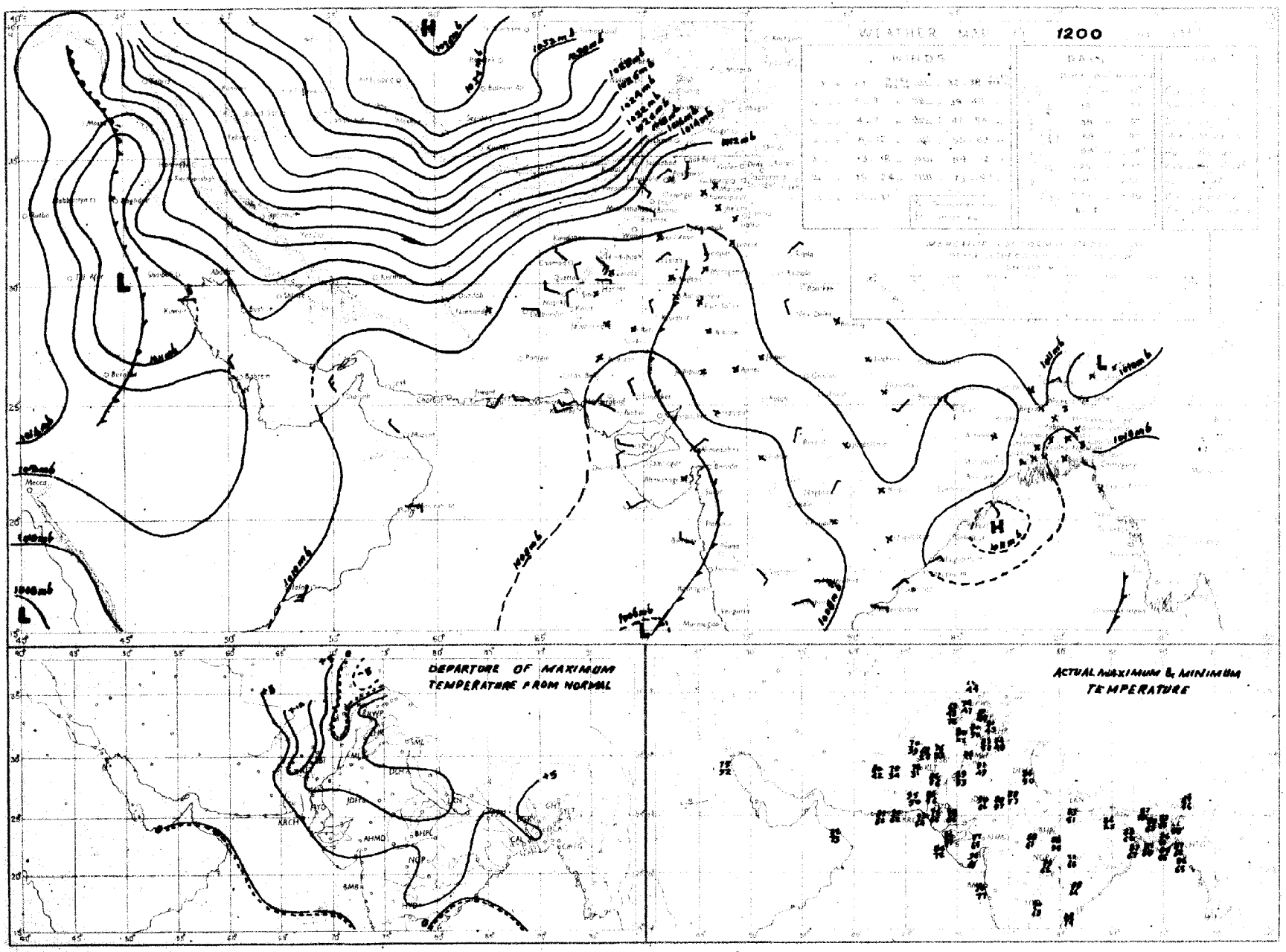
WEDNESDAY 21st NOVEMBER 1951



Rainfall amounts indicated in the above chart refer to past 24 hours

PAKISTAN DAILY WEATHER MAP

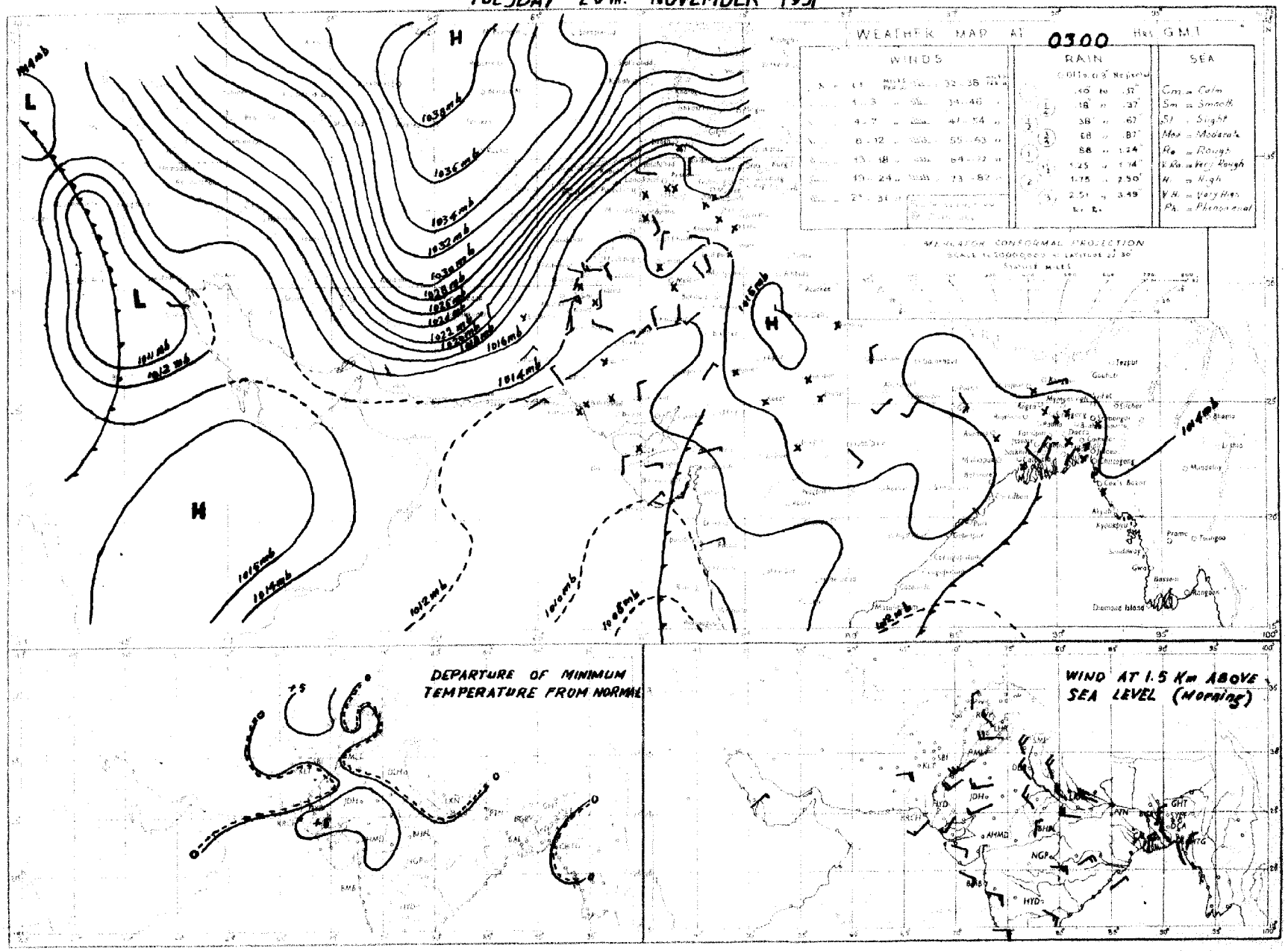
TUESDAY 20th: NOVEMBER 1951



Rainfall amounts indicated in the above chart refer to past 9 hours.

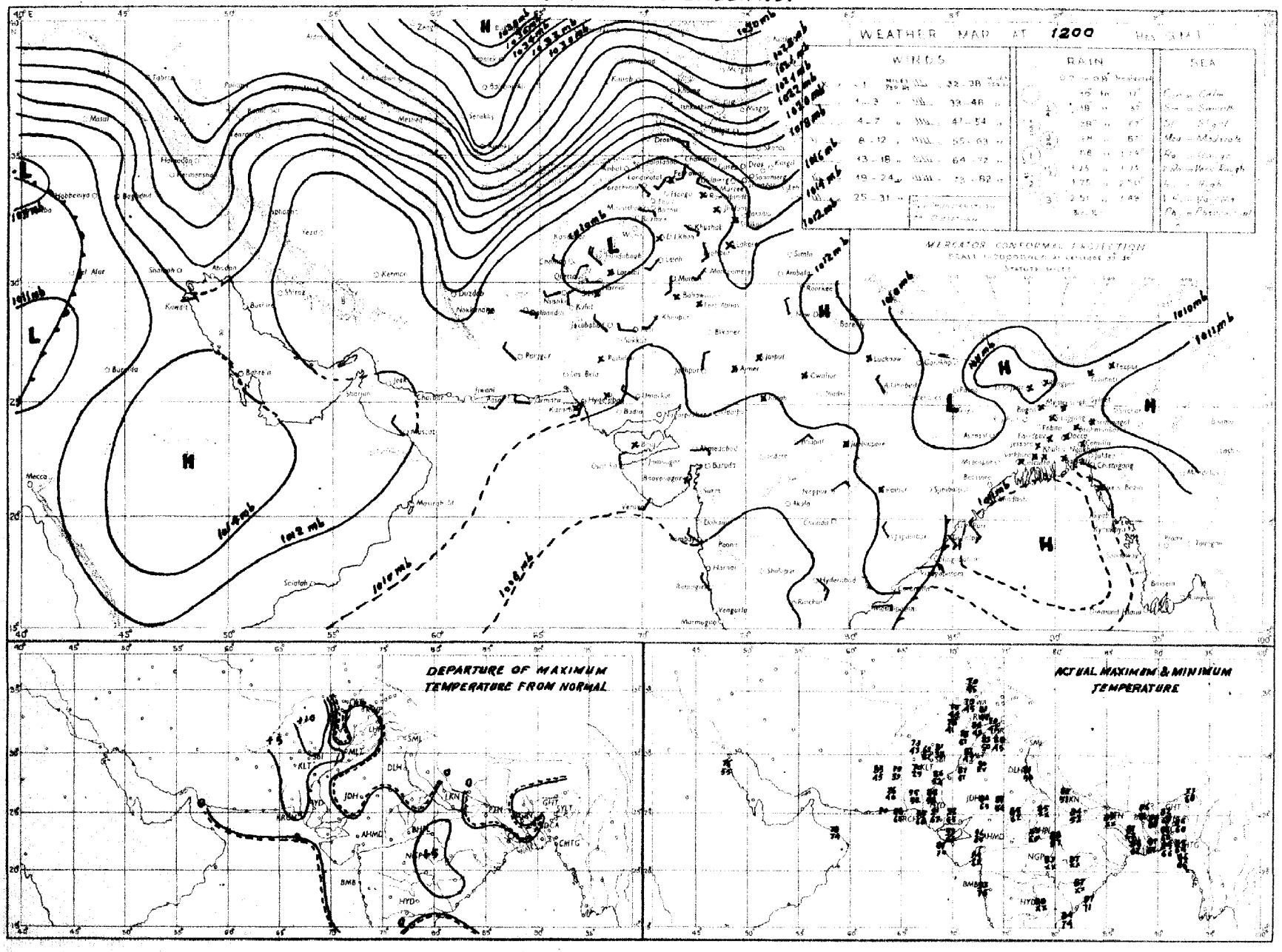
PAKISTAN DAILY WEATHER MAP

TUESDAY 20th. NOVEMBER 1951



PAKISTAN DAILY WEATHER MAP

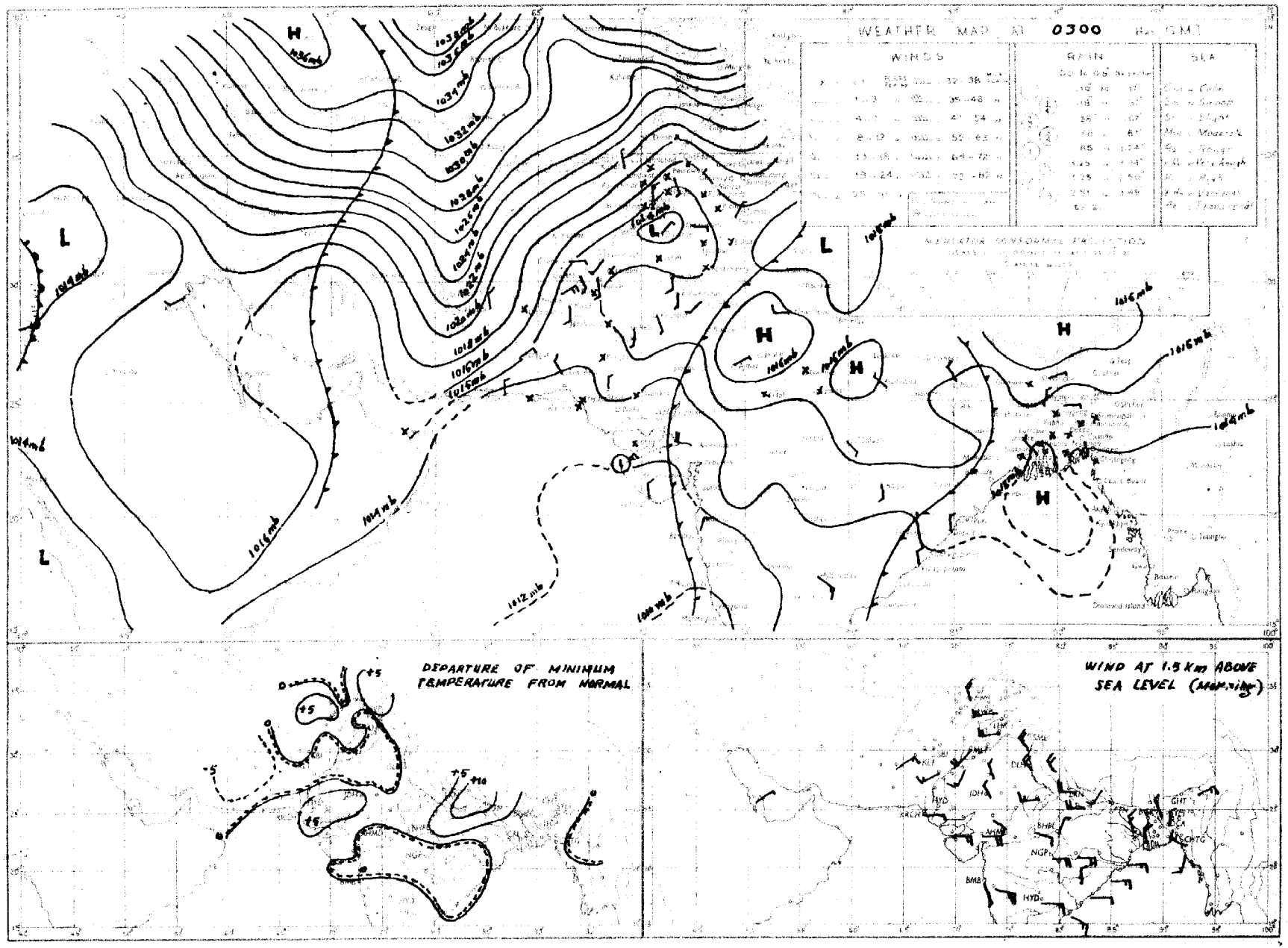
MONDAY 19th NOVEMBER 1951



Rainfall amounts indicated in the above chart refer to past 9 hours.

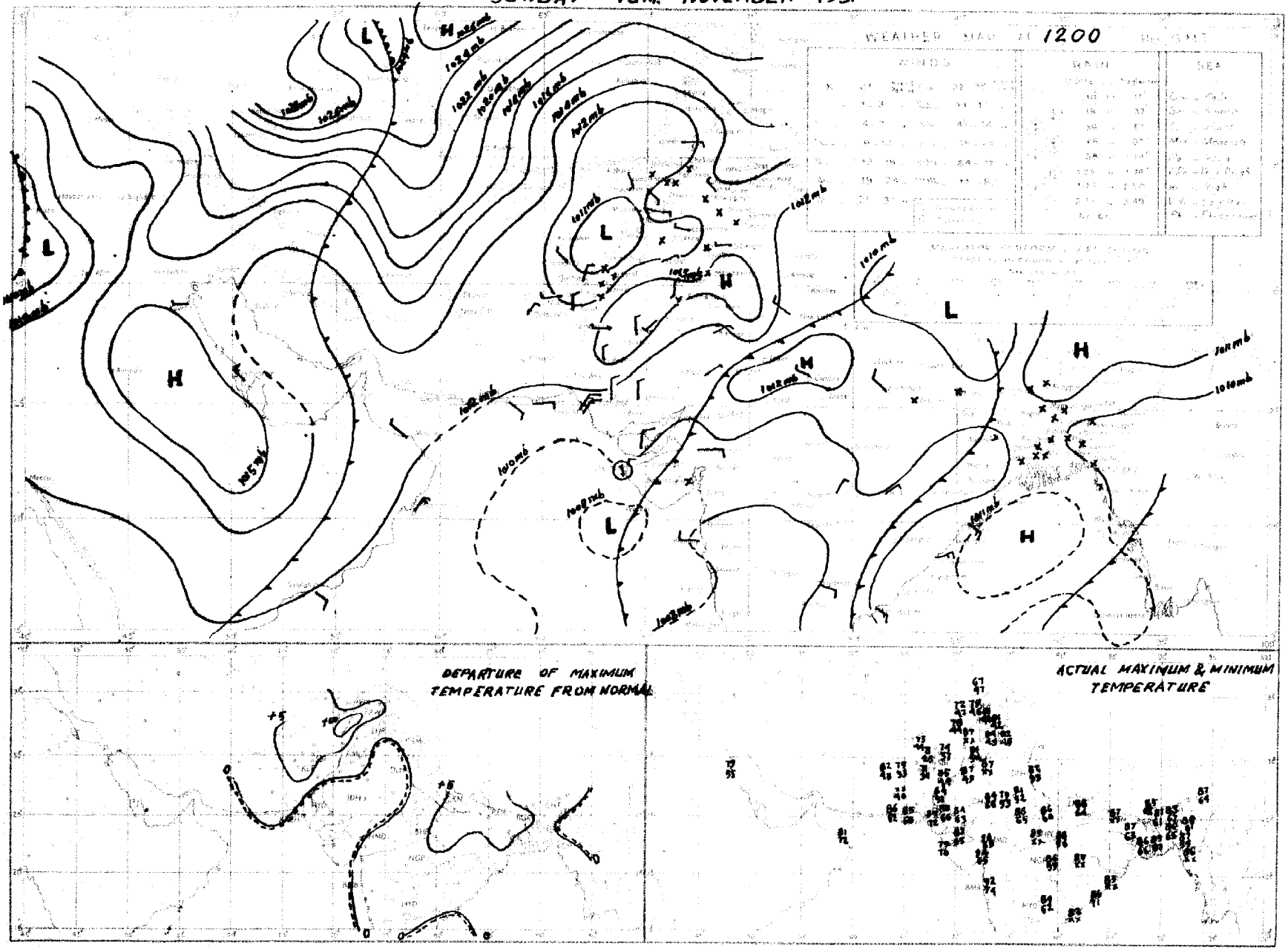
PAKISTAN DAILY WEATHER MAP

MONDAY 19th NOVEMBER 1951



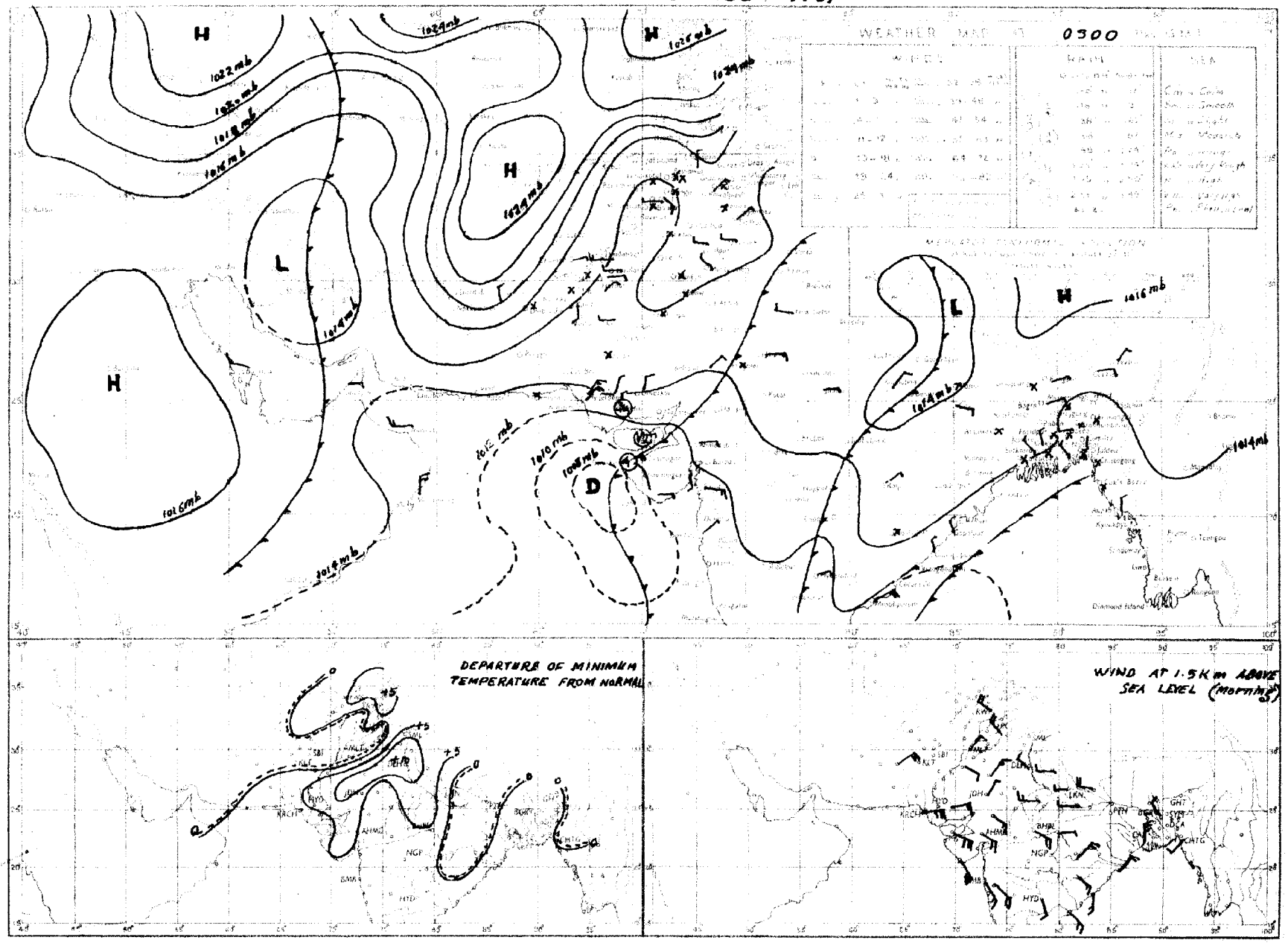
PAKISTAN DAILY WEATHER MAP

SUNDAY 18th. NOVEMBER 1951



PAKISTAN DAILY WEATHER MAP

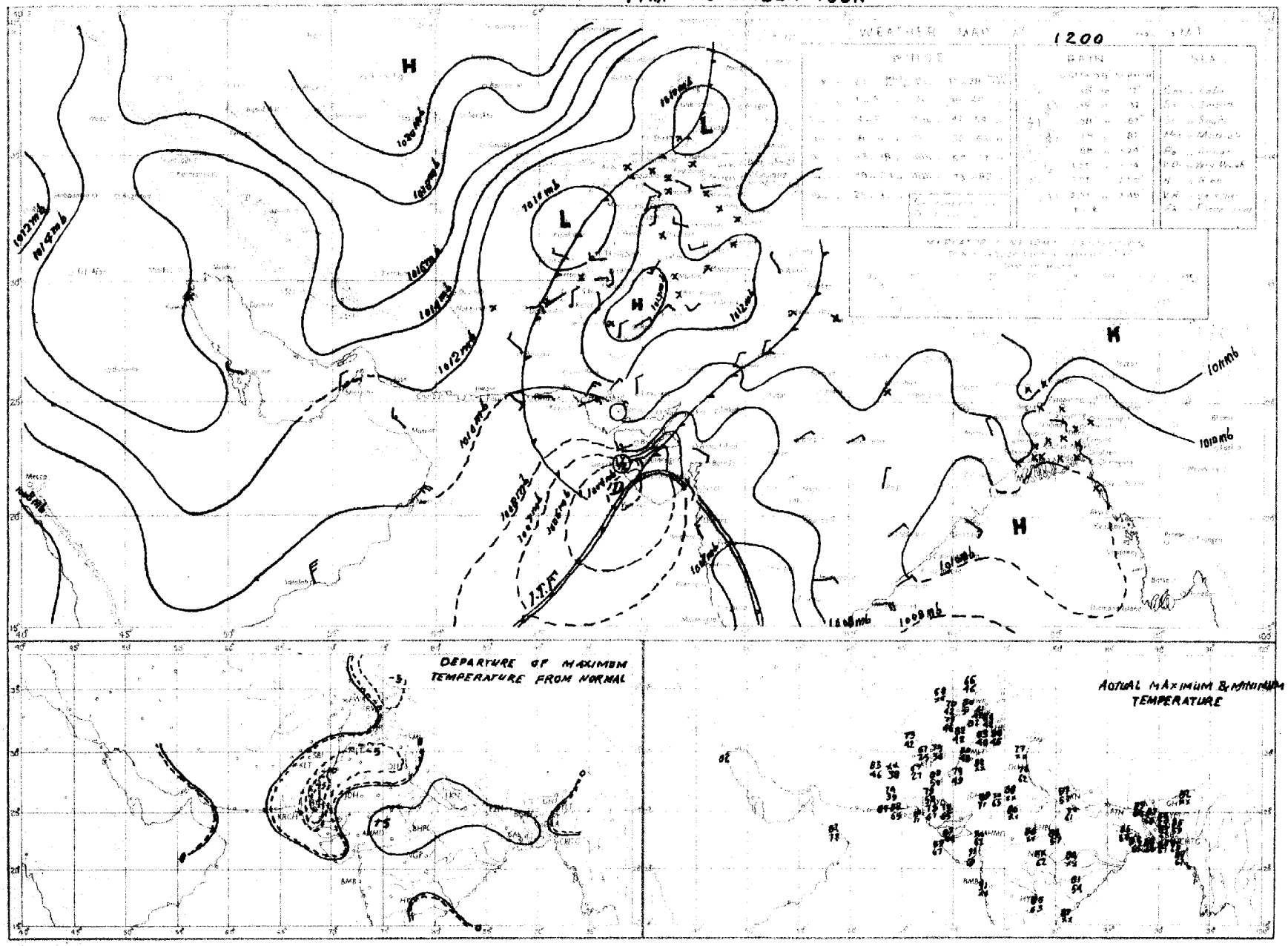
SUNDAY 18th NOVEMBER 1951



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

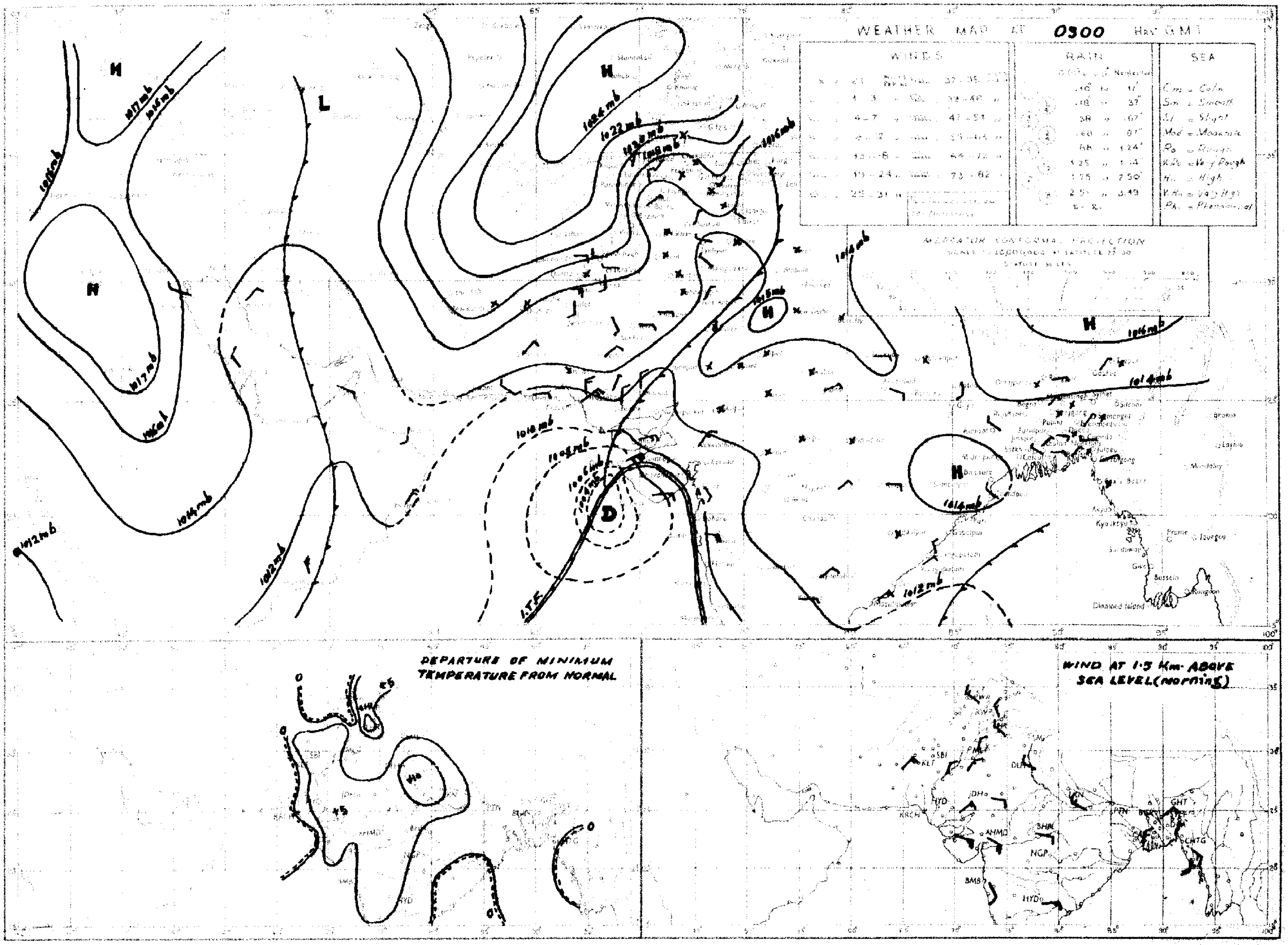
SATURDAY 17th. NOVEMBER 1951.



Rainfall amounts indicated in the above chart refer to past 9 hours

PAKISTAN DAILY WEATHER MAP

SATURDAY 17th: NOVEMBER 1951



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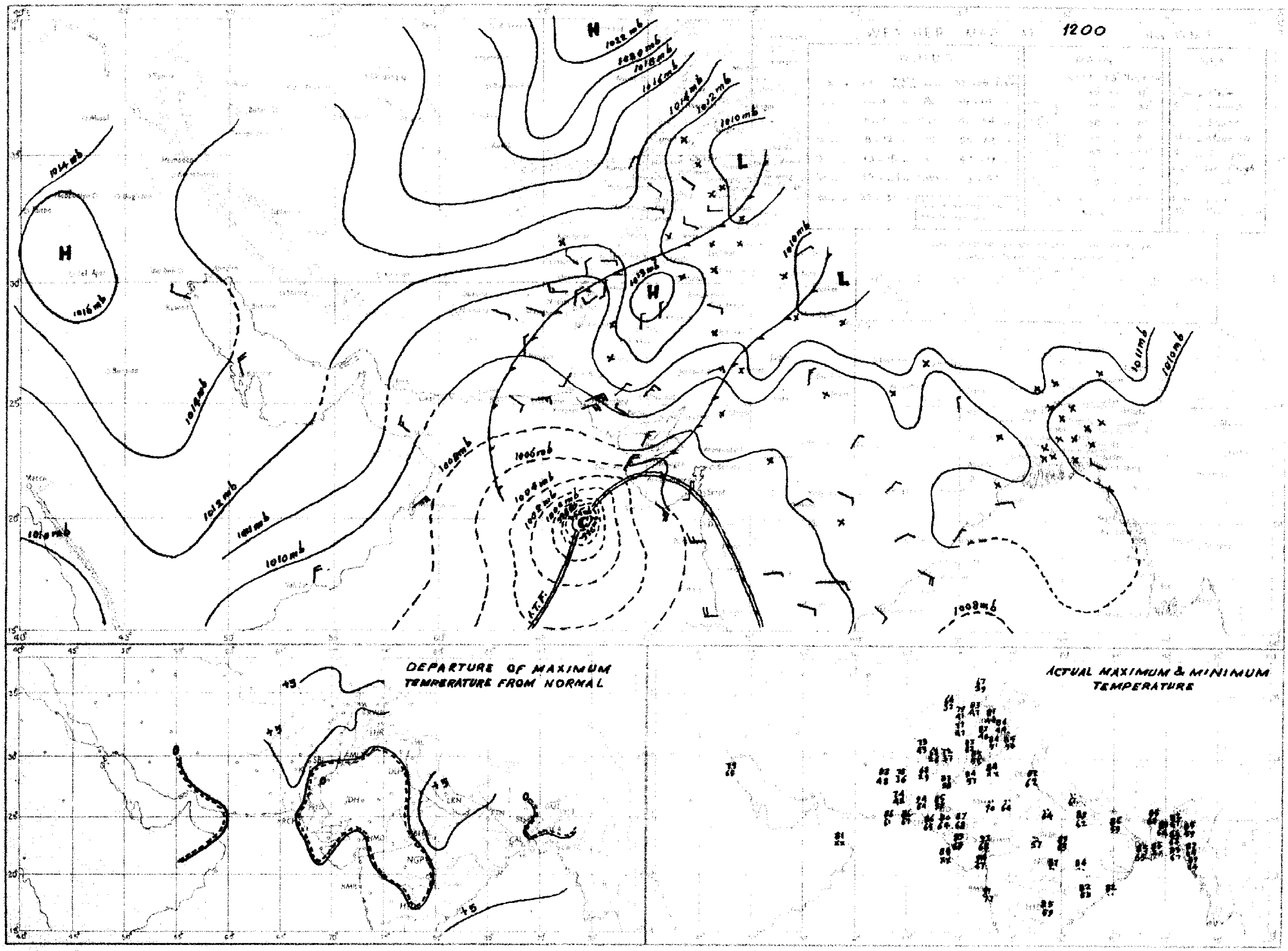
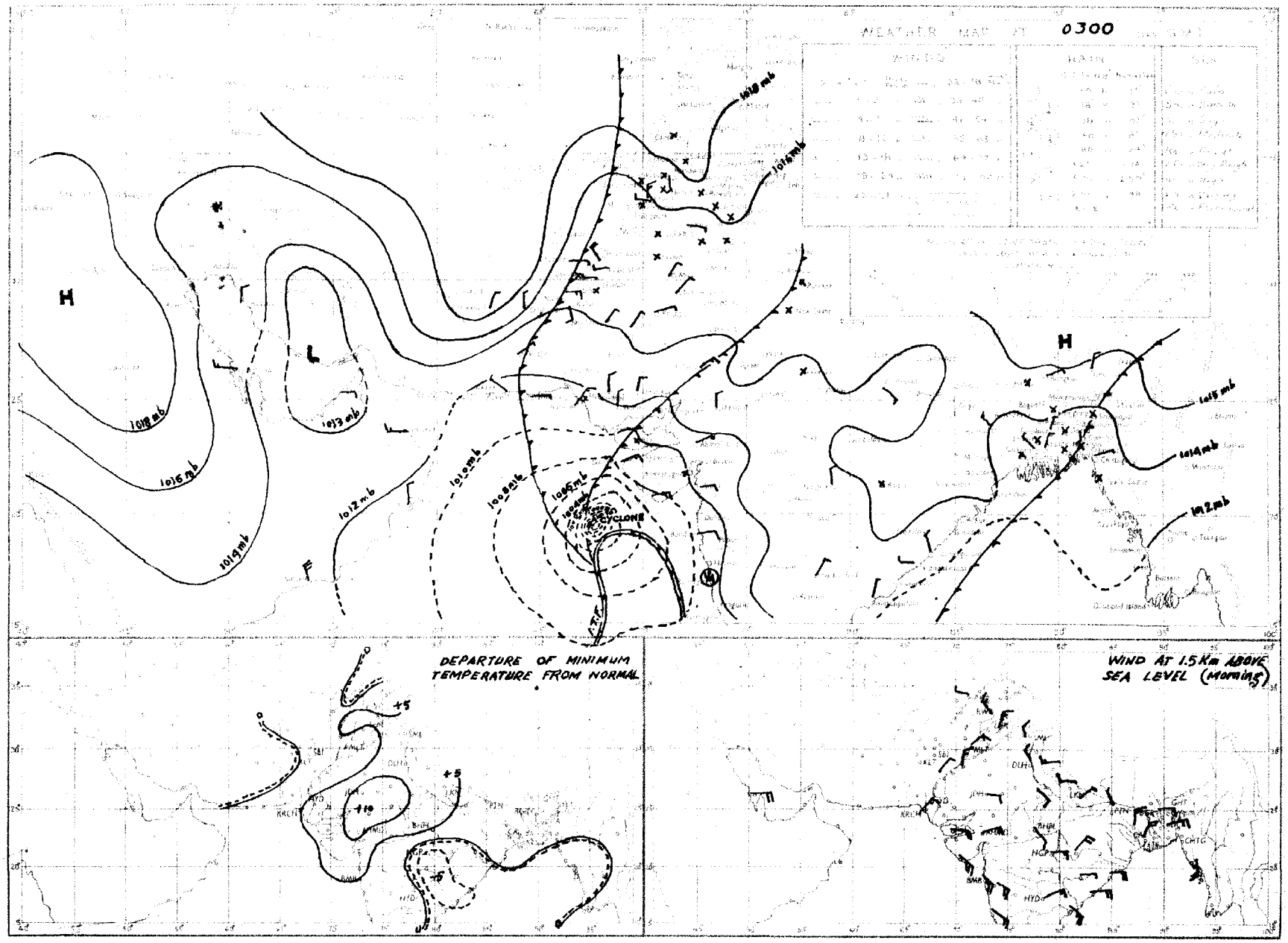
PAKISTAN DAILY WEATHER MAP

FRIDAY 16th: NOVEMBER 1951



PAKISTAN DAILY WEATHER MAP

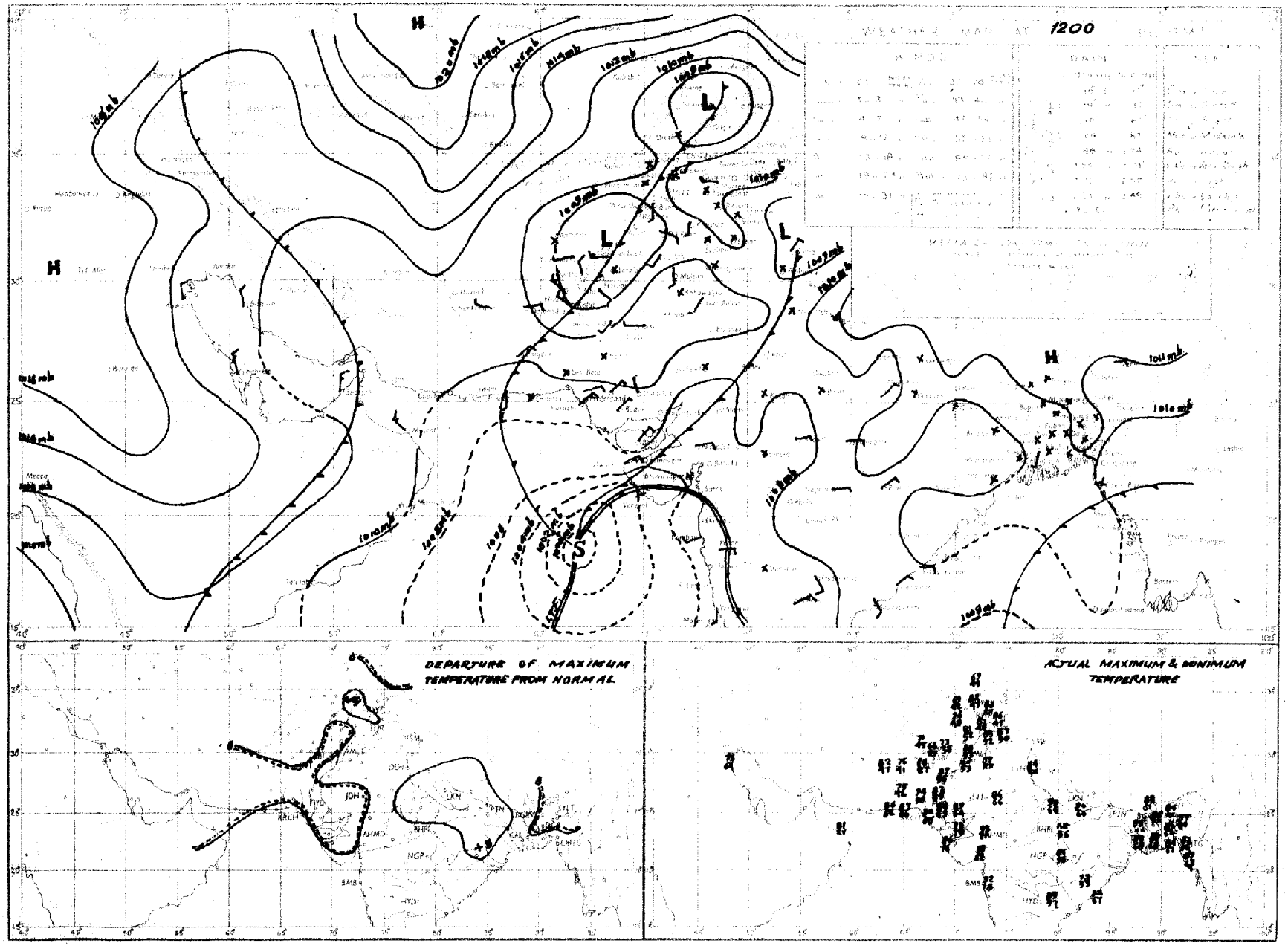
FRIDAY 16th. NOVEMBER 1951.



Rainfall amounts indicated in the above chart refer to past 24 hours

PAKISTAN DAILY WEATHER MAP

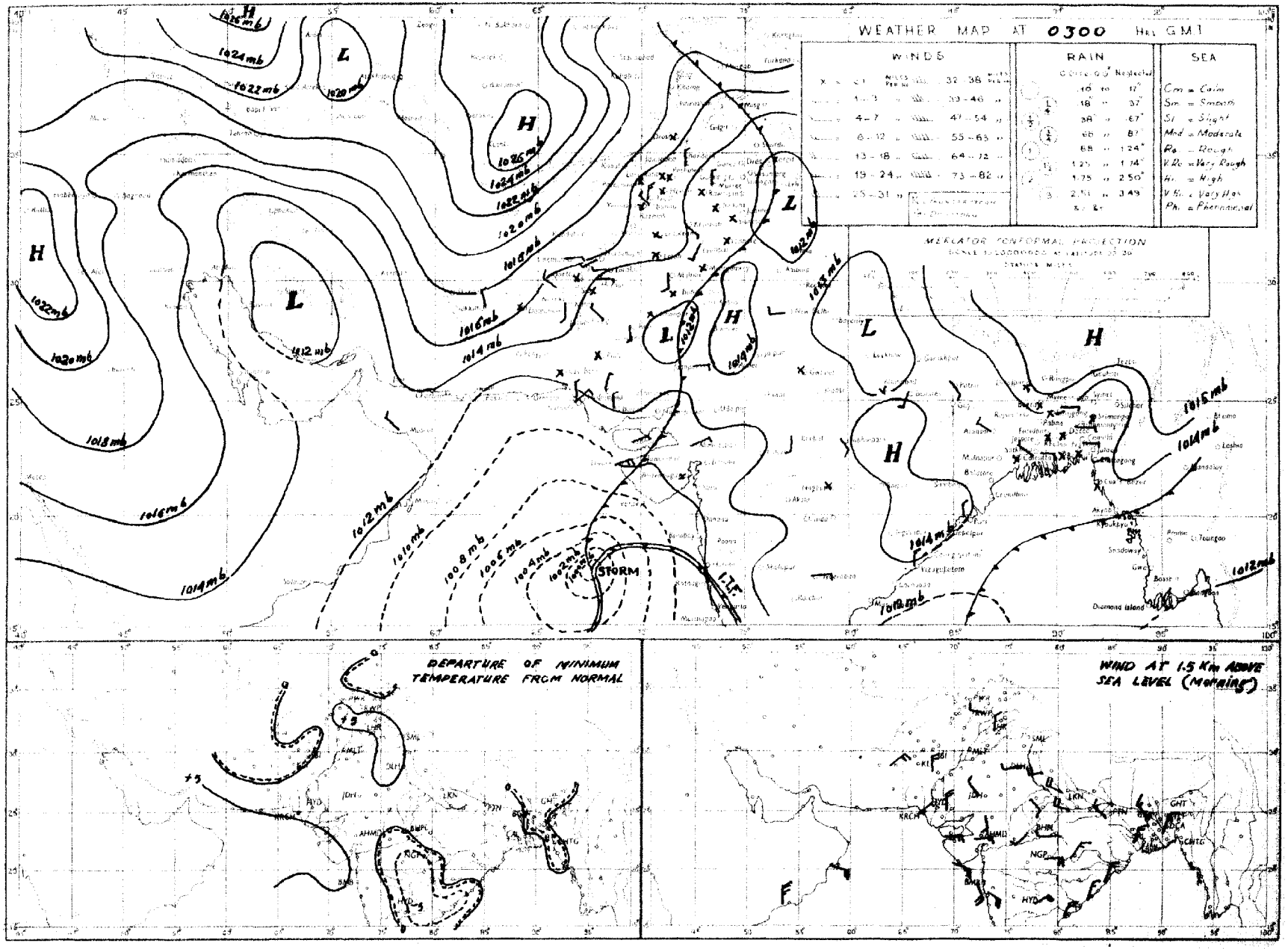
THURSDAY 15th: NOVEMBER 1951



Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER MAP

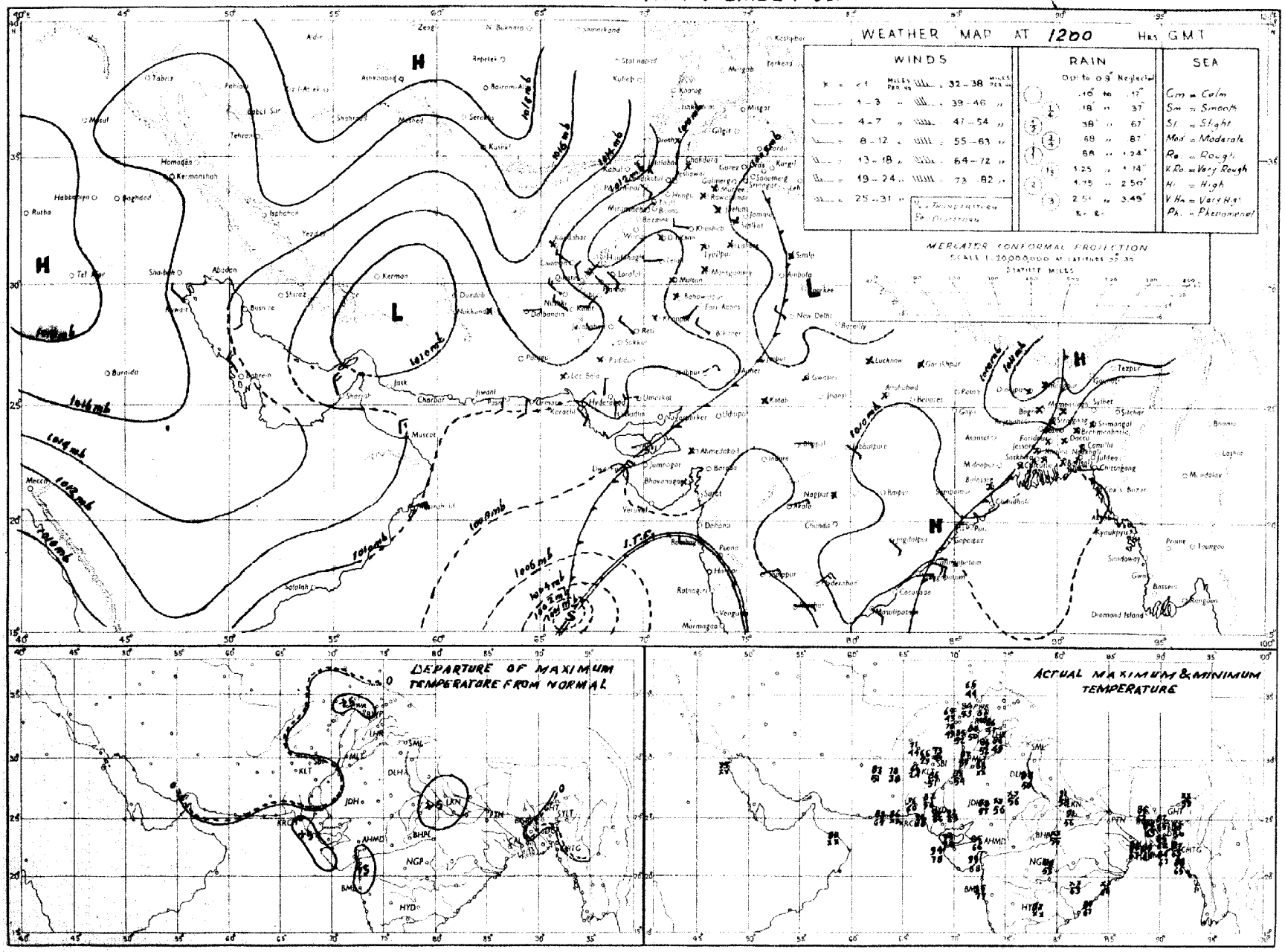
THURSDAY 15th. NOVEMBER 1951



Rainfall amounts indicated in the above chart refer to past 24 hours

PAKISTAN DAILY WEATHER MAP

WEDNESDAY 14th: NOVEMBER 1951



Rainfall amounts indicated in the above chart refer to past 9 hours

Regd. No. S-1451.

WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G. M. T. on Wednesday, the 28th November, 1951.

—o:O:o—

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SUMMARY OF WEATHER.

An active western disturbance approached the northern regions of West Pakistan on the 24th while its associated secondary low lay over Rajputana and the adjoining Punjab. It caused marked spell of wet weather and thunderstorms activity over the North-West Frontier Province, the Punjab and north Baluchistan, and a few falls in Sind and south Baluchistan during the mid-week and fieled up over the extreme north of West Pakistan by the 26th evening.

A depression appeared in the west Central Bay of Bengal on the 25th, moved northeastwards and filled up in the north Bay by the 27th. In its association fairly widespread rain occurred in East Pakistan on the 26th and 27th.

Some of the noteworthy amounts of rainfall recorded during the week were:—Kalat ½" on the 24th; Murree and Lahore 1½" each, Fort Abbas, Montgomery and Rawalpindi 1" each, Cherat, Sialkot and Parachinar ¾" each, Jhelum, Peshawar, Miranshah and Landi Kotal ½" each on the 25th; Cherat and Sirajganj 2" each, Jhelum 1½", Sialkot, Rawalpindi, Jessore and Murree 1" each, Chakdara ¾", Bogra and Narayanganj ½" each on the 26th; Srimangal and Brahmanbaria 1" each, Faridpur, Khulna, Comilla, Narayanganj and Barisal ¾" each on the 27th; Dinajpur and Rangpur ½" each on the 28th.

Night temperatures were generally appreciably to markedly above normal in West Pakistan from the 22nd to 24th; in lower Sind on the 25th and in the north Punjab and East Pakistan on the 26th and 27th.

2. EAST PAKISTAN: Rainfall was nearly general on two days in the Deltaic sub-division and on one day each in the Eastern and Northern sub-divisions. It also occurred locally on two days in the Northern sub-division and at a few stations in the Eastern sub-division on the 24th and 26th.

KASHMIR: Data not available.

PUNJAB: Rainfall was nearly general on two days in the north Punjab and local on one day in the south Punjab. A few falls also occurred in the north Punjab on two days and in the south Punjab on one day.

NORTH-WEST FRONTIER PROVINCE: Local rain occurred on one day. A few falls were also recorded, mainly over the hills on two days.

BALUCHISTAN: Rainfall was local on one day in north Baluchistan. A few falls were also recorded on two days in south Baluchistan and one day in north Baluchistan.

SIND: A few falls were recorded on one day.

JUNAGADH: Data not available.

3. The week's rainfall was in large excess over the country except north Baluchistan where it was normal.

Rainfall for the period from 1st November, 1951 to date was in large excess in the Punjab, the North-West Frontier Province, south Baluchistan and Sind, in excess in the Northern sub-division of East Pakistan, normal in the Deltaic sub-division of East Pakistan and deficient in the Eastern sub-division of East Pakistan and north Baluchistan.

4. The table overleaf summarises the rainfall statistics for the eleven sub-divisions of Pakistan both for the week and for the period from 1st November, 1951 to date.

KARACHI-11.
The 28th November, 1951

MOHAMMAD SHABBAR,
for Director, Meteorological Service.

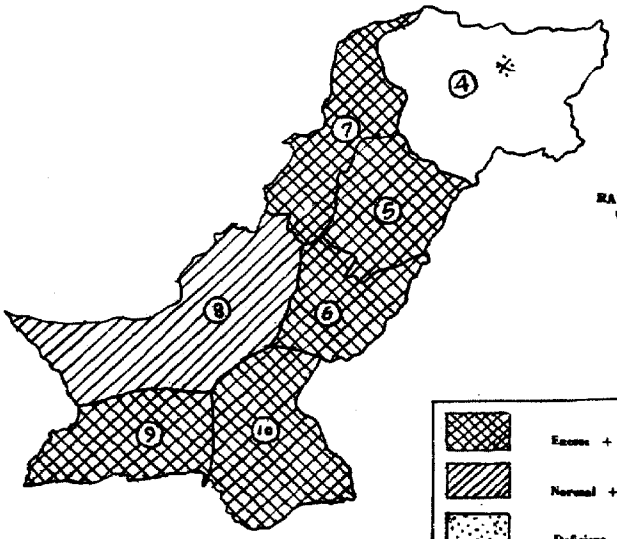
WEEKLY WEATHER REPORT

Division	Rainfall for week ending on 28th November, 1951.			Rainfall for period from 1-11-1951 to 28th November, 1951.			
	Actual †	Normal	Excess or defect	Actual †	Normal	* Excess or defect	
						Inches	Per cent
1	2	3	4	5	6	7	8
1. East Pakistan (East)	0.6	0 2	+0.4	1.1	1.5	− 0.4	− 28
2. East Pakistan (Deltaic)	0.9	0.1	+0.8	1.0	1.1	− 0.1	− 6
3 East Pakistan (North)	1.1	0.1	+1.0	1.8	0.6	+1.2	+211
4. Kashmir ††	....	....	....	....	....	....	...
5. North Punjab	1.3	0.1	+1.2	1.3	0.1	+1.1	+869
6. South Punjab	0.3	0.1	+0.3	0.3	0.1	+0.3	+520
7. N. W. F. P.	0.4	0.1	+0.3	0.4	0.1	+0.3	+283
8. North Baluchistan	0.1	0.1	0	0.1	0.1	− 0.1	− 38
9. South Baluchistan	0.2	0	+0.1	0.2	0.1	+0.1	+ 89
10. Sind	0	0	0	0.2	0.1	+0.1	+187
11. Junagadh ††	....	....	....	....	....	....	....

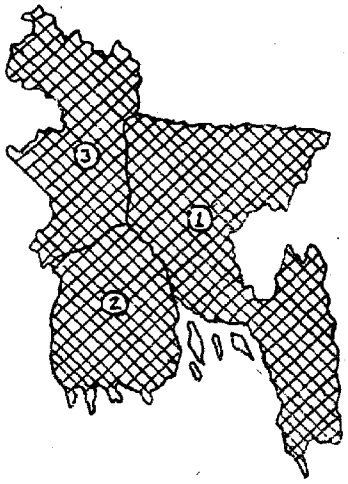
* In the calculation of excesses and defects, and their percentages, rainfall figures are taken correct to 0·01".

† Rainfall of stations having no normals is not included.

†† Data not available.



RAINFALL FOR THE WEEK ENDING 28-11-1951



Excess + 20 % or more

Normal + 19% to −19 %

Deficient − 20% to − 59 %

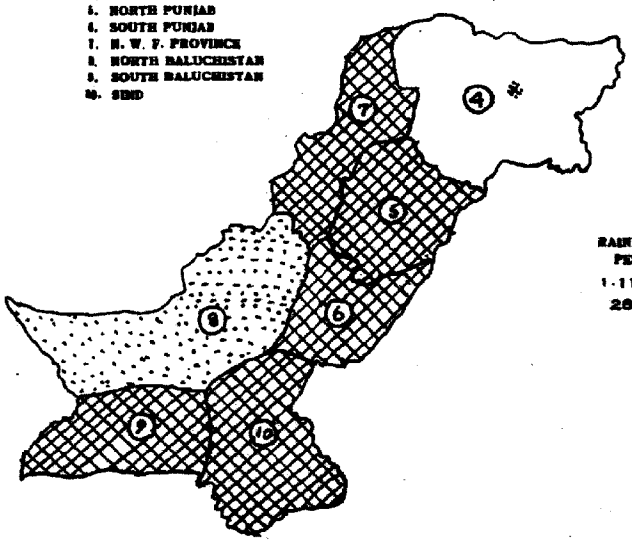
Scanty − 60 % or less

WEST PAKISTAN

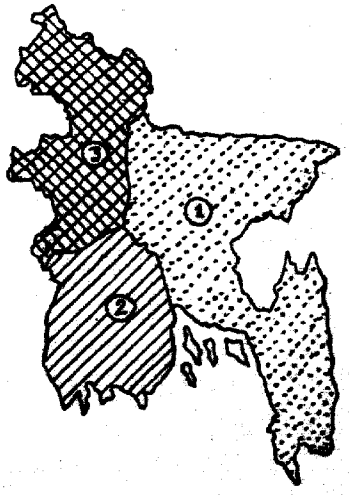
4. KASHMIR
5. NORTH PUNJAB
6. SOUTH PUNJAB
7. N. W. F. PROVINCE
8. NORTH BALUCHISTAN
9. SOUTH BALUCHISTAN
10. SIND

EAST PAKISTAN

1. EAST PAKISTAN (EAST)
2. EAST PAKISTAN (DELTAIC)
3. EAST PAKISTAN (NORTH)



RAINFALL FOR THE PERIOD FROM 1-11-1951 TO 28-11-1951



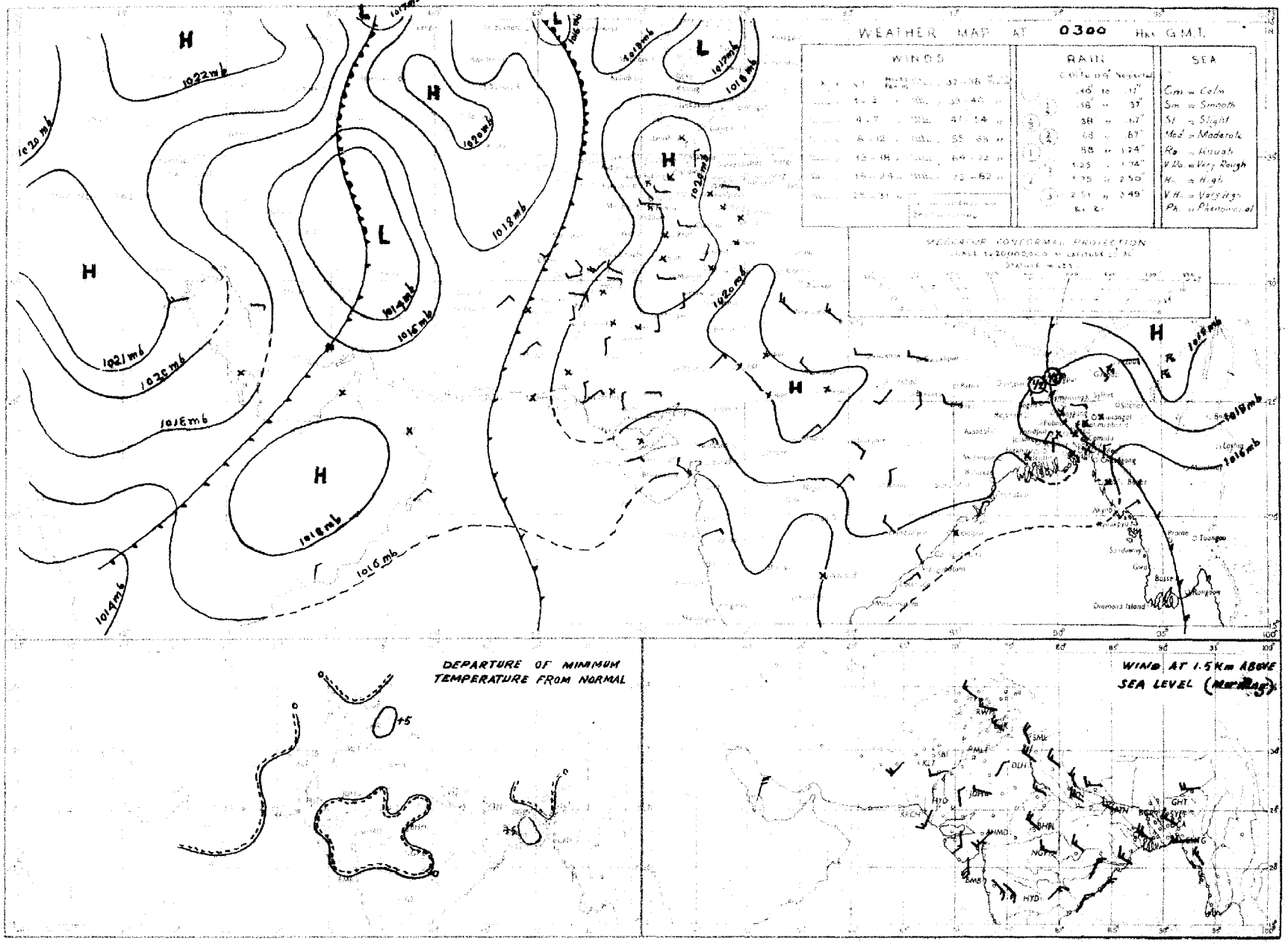
SCALE—[illegible] MILES=1"

SCALE—[illegible] MILES=1"

* Data not available.

PAKISTAN DAILY WEATHER MAP

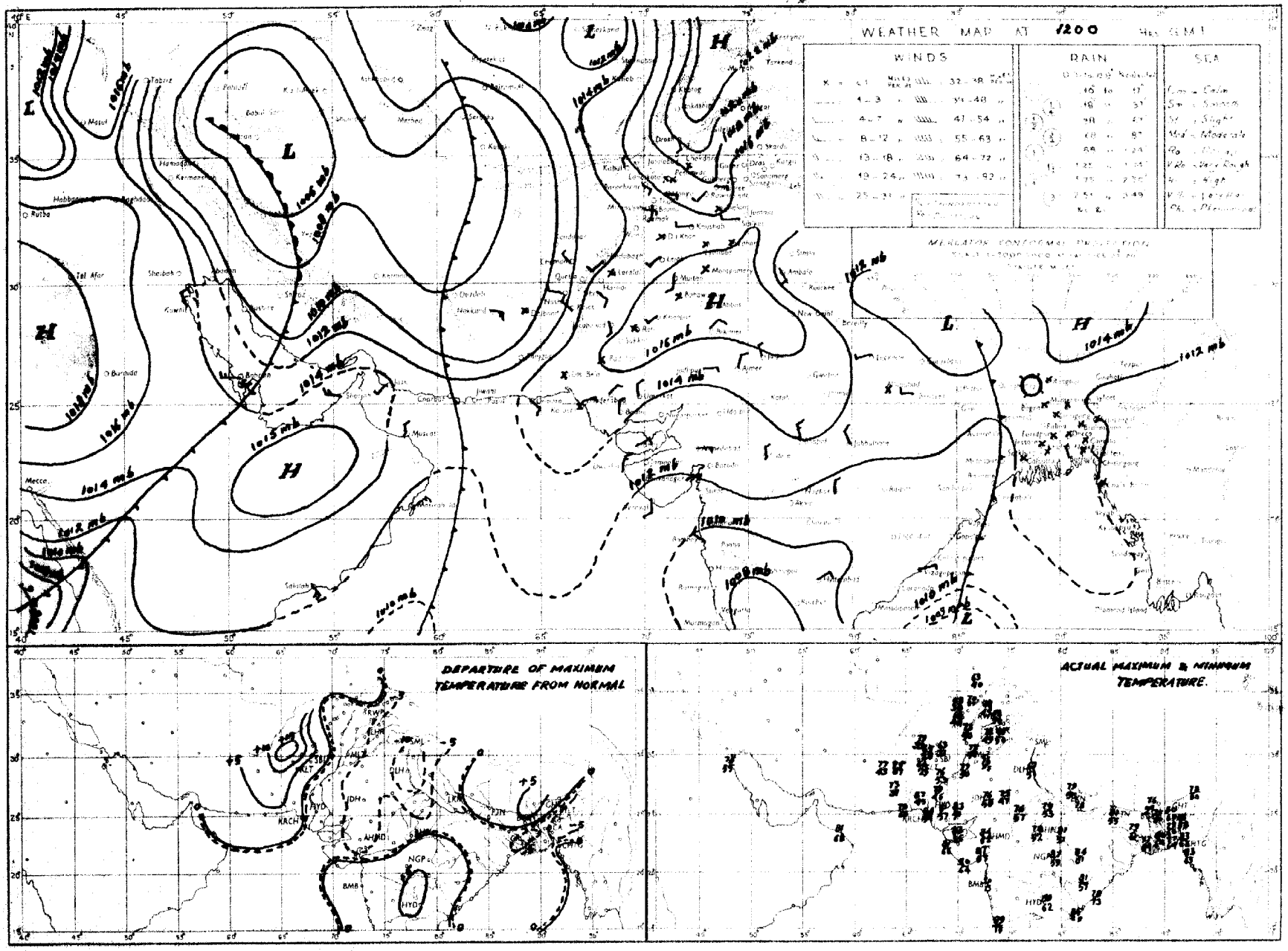
WEDNESDAY 28th. NOVEMBER 1951.



24 hours

PAKISTAN DAILY WEATHER MAP

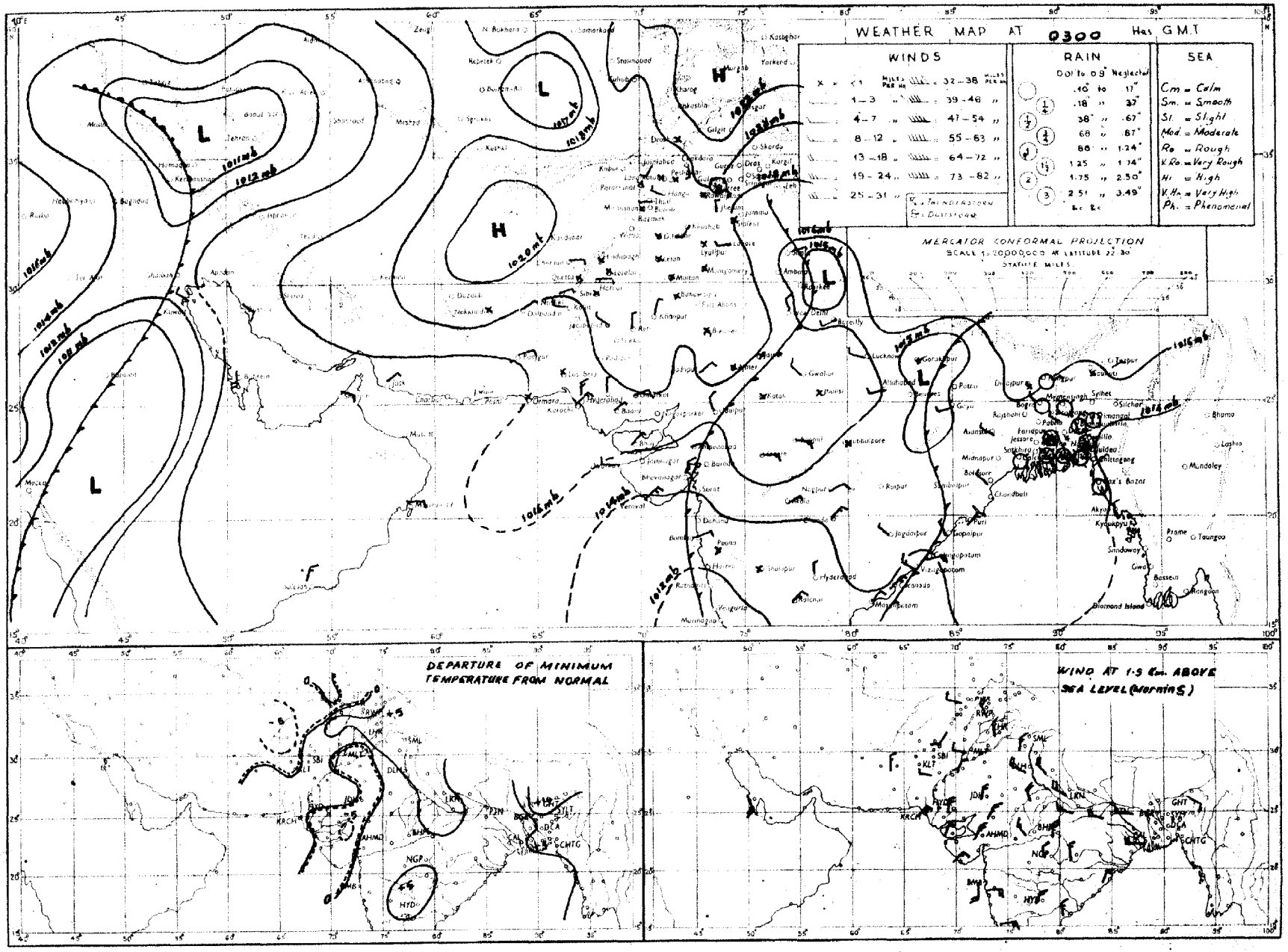
TUESDAY 27th. NOVEMBER 1951.



Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER MAP

TUESDAY 27th NOVEMBER 1951

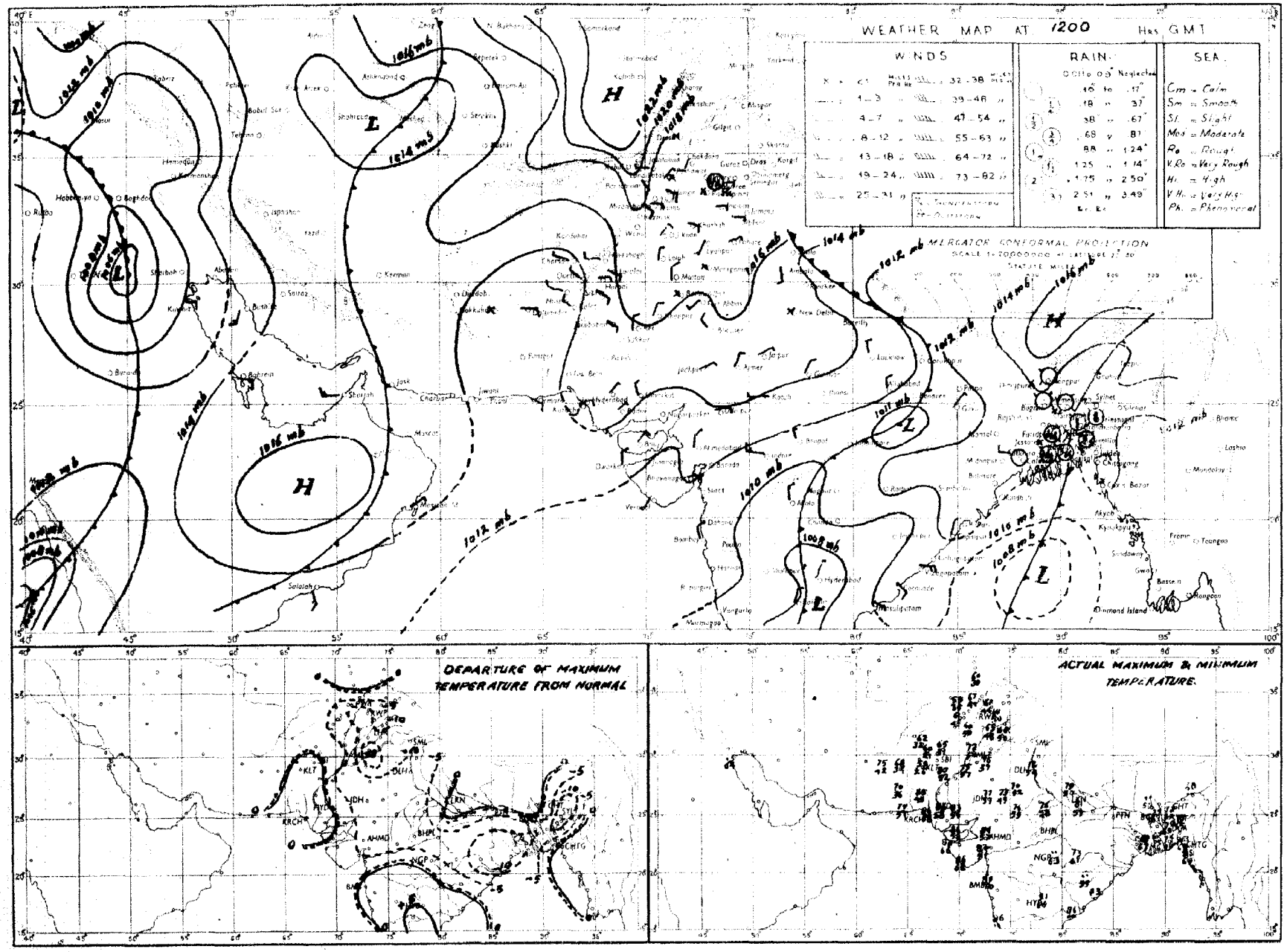


Rainfall amounts indicated in the above chart refer to past 24 hours.

PRINTED AT THE SURVEY OF PAKISTAN OFFICES, RAWALPINDI

PAKISTAN DAILY WEATHER MAP

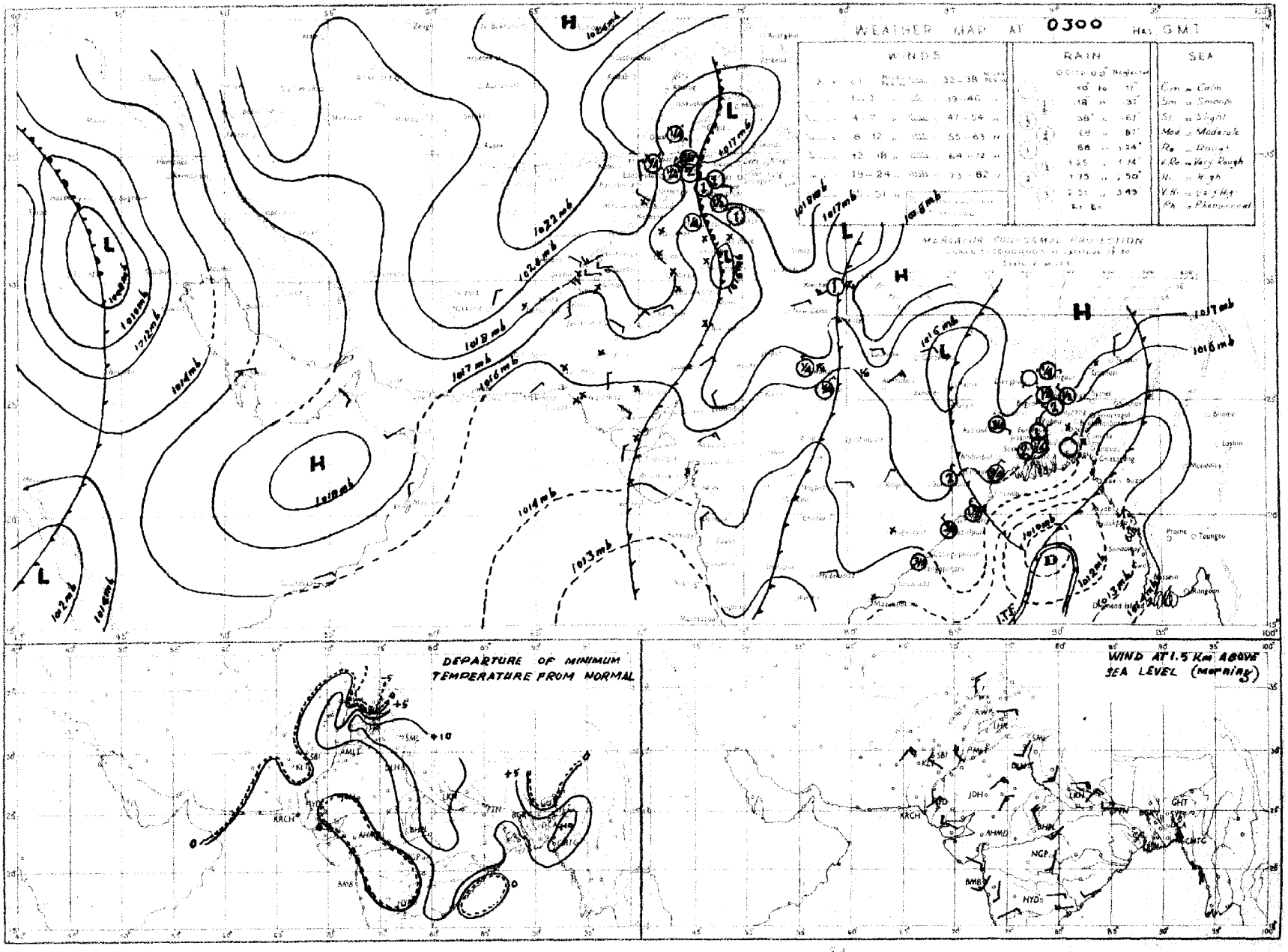
MONDAY, 26th. NOVEMBER 1951.



Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER MAP

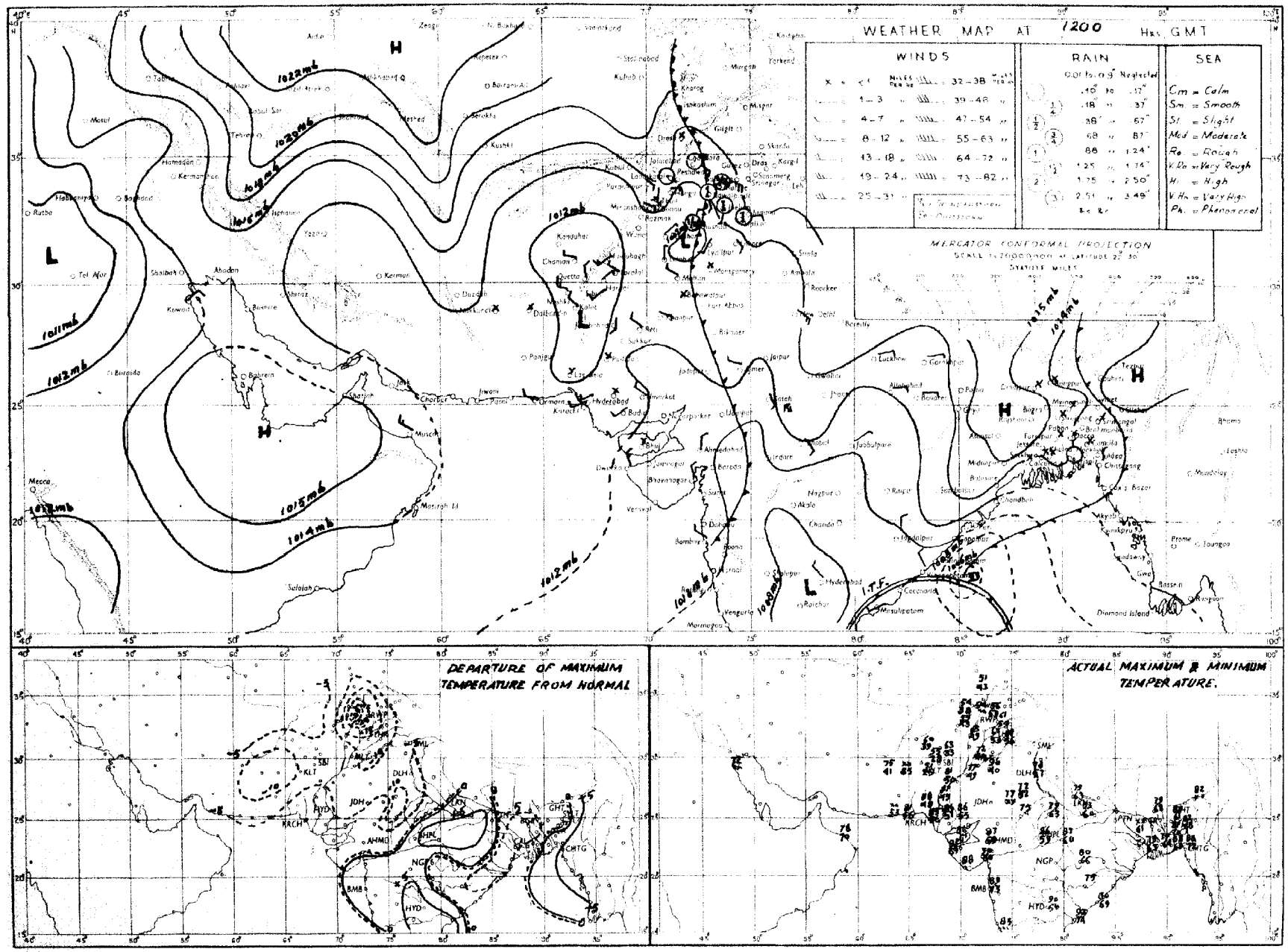
MONDAY 26th NOVEMBER 1951



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

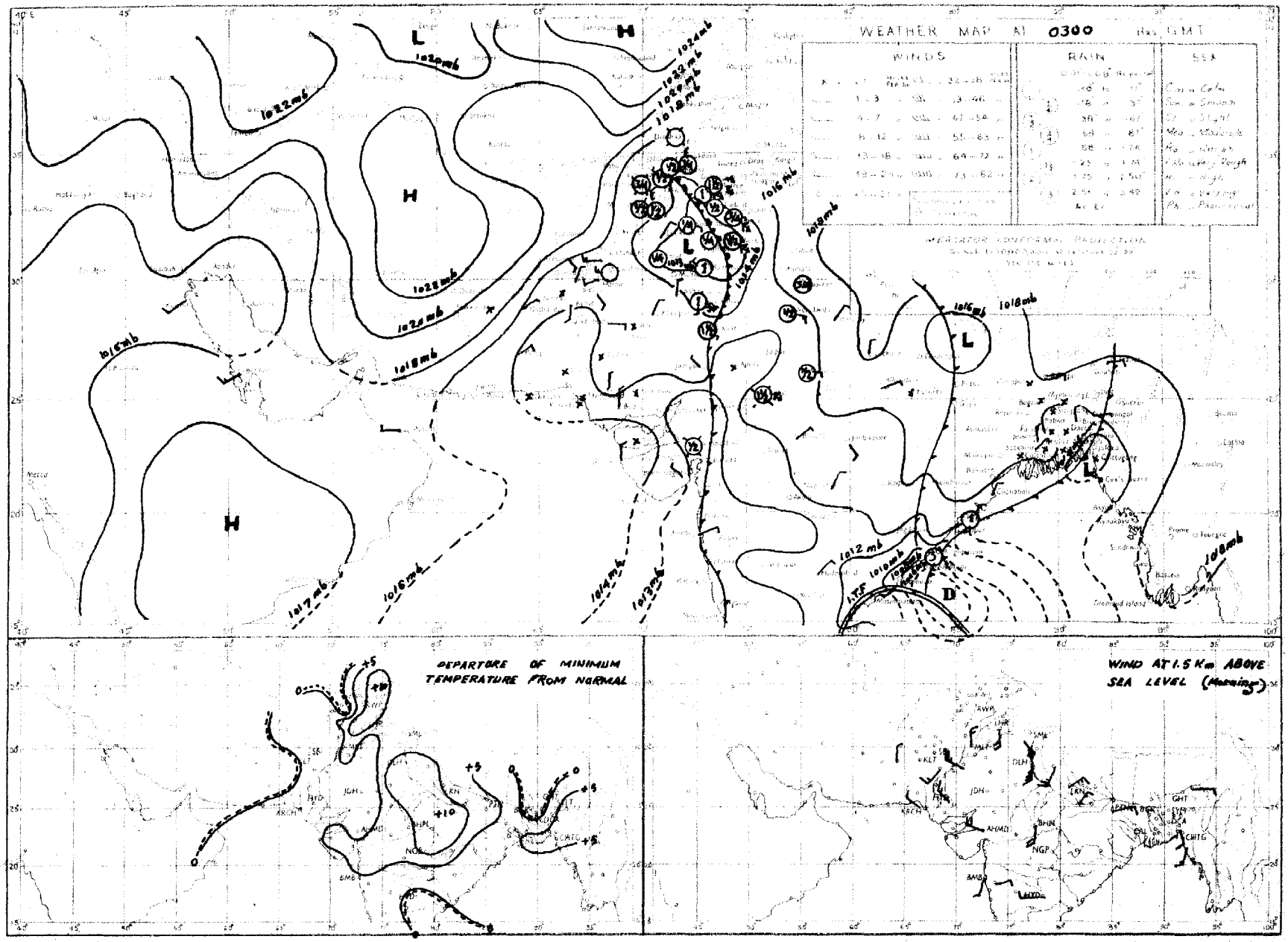
SUNDAY 25th. NOVEMBER 1951.



Rainfall amounts indicated in the above chart refer to past 9 hours

PAKISTAN DAILY WEATHER MAP

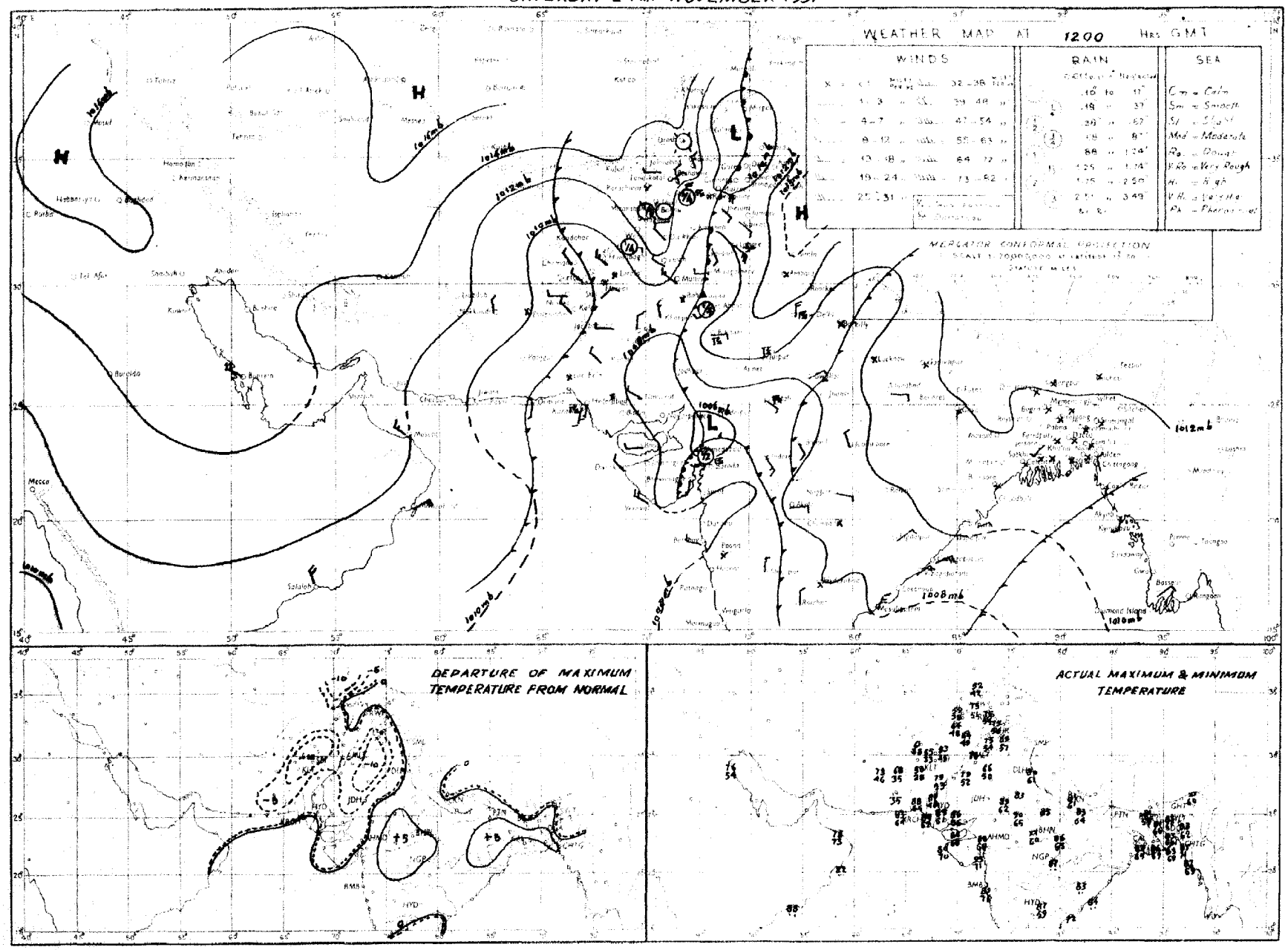
SUNDAY 25th: NOVEMBER 1951



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

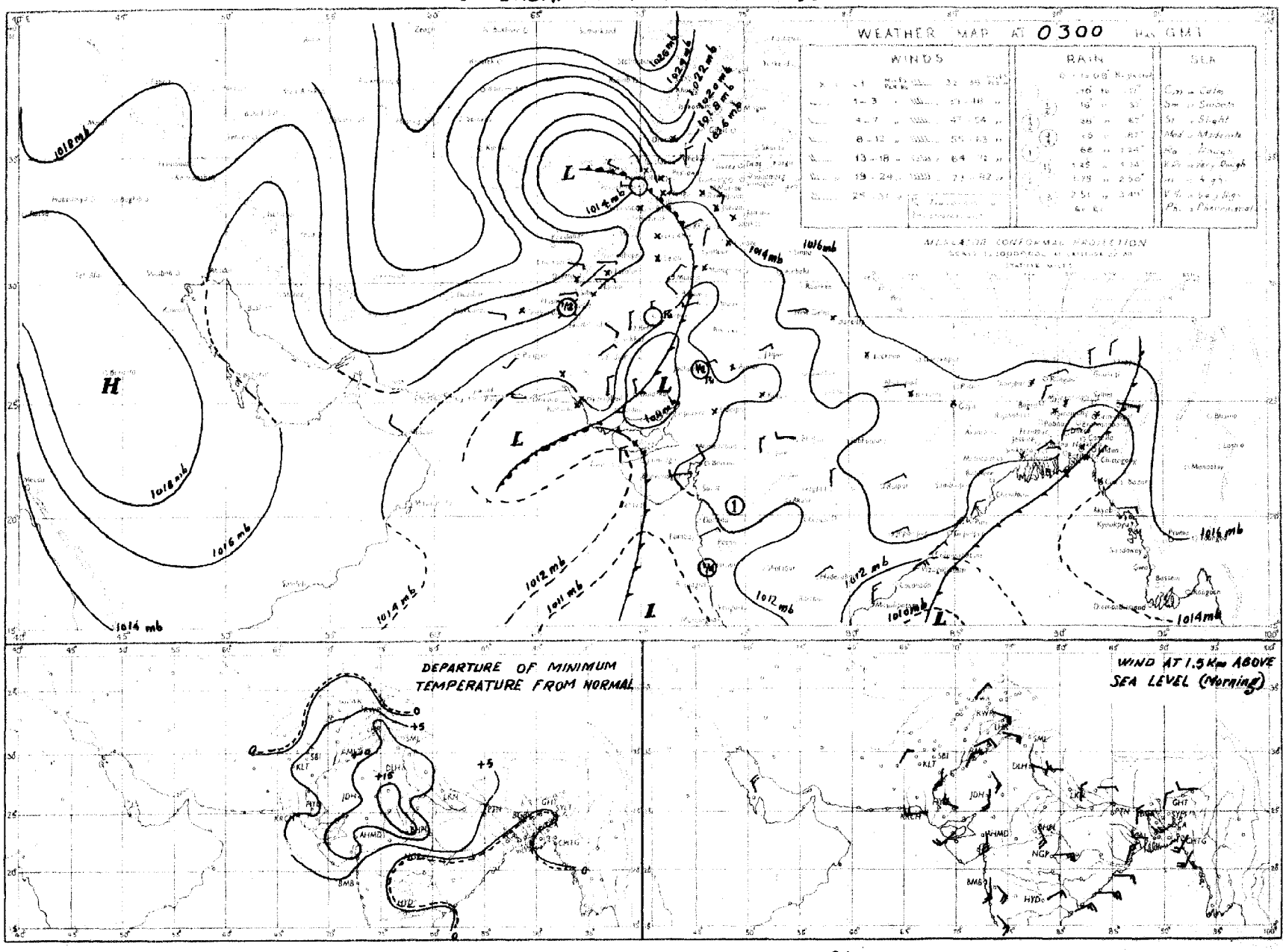
SATURDAY 24th: NOVEMBER 1951



Rainfall amounts indicated on the maps must refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

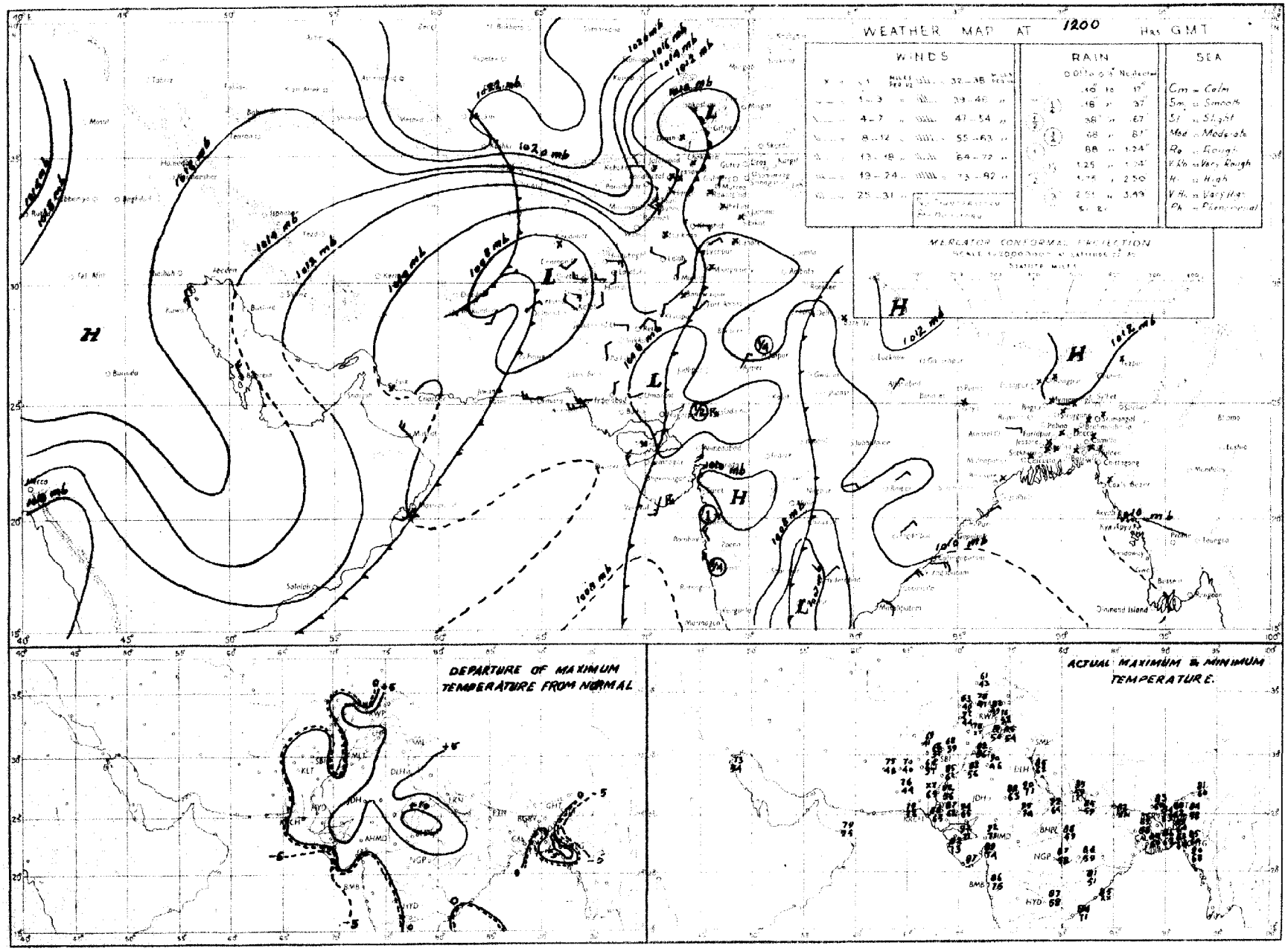
SATURDAY 24th. NOVEMBER 1951



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

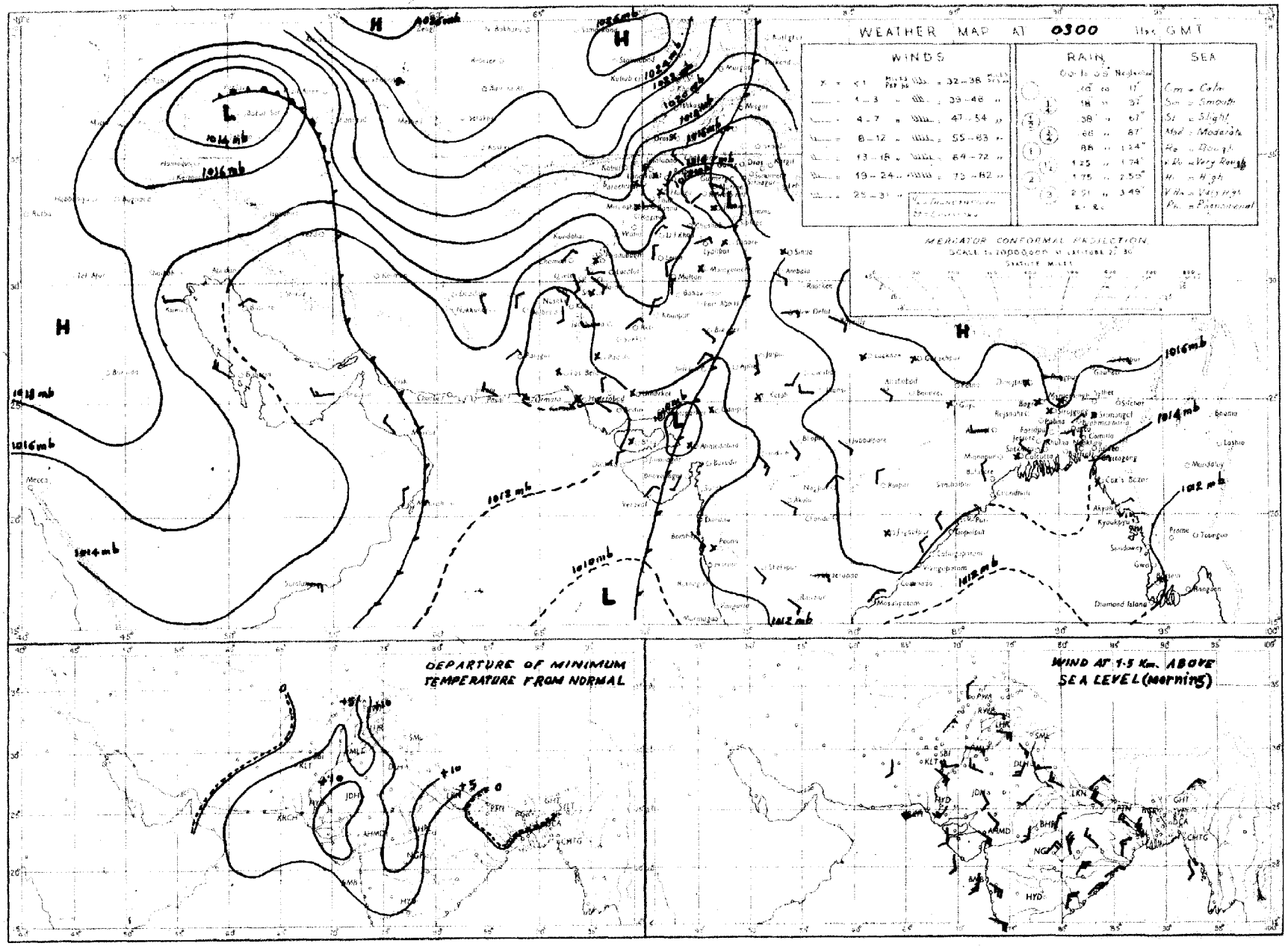
FRIDAY 23rd. NOVEMBER 1951.



Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER MAP

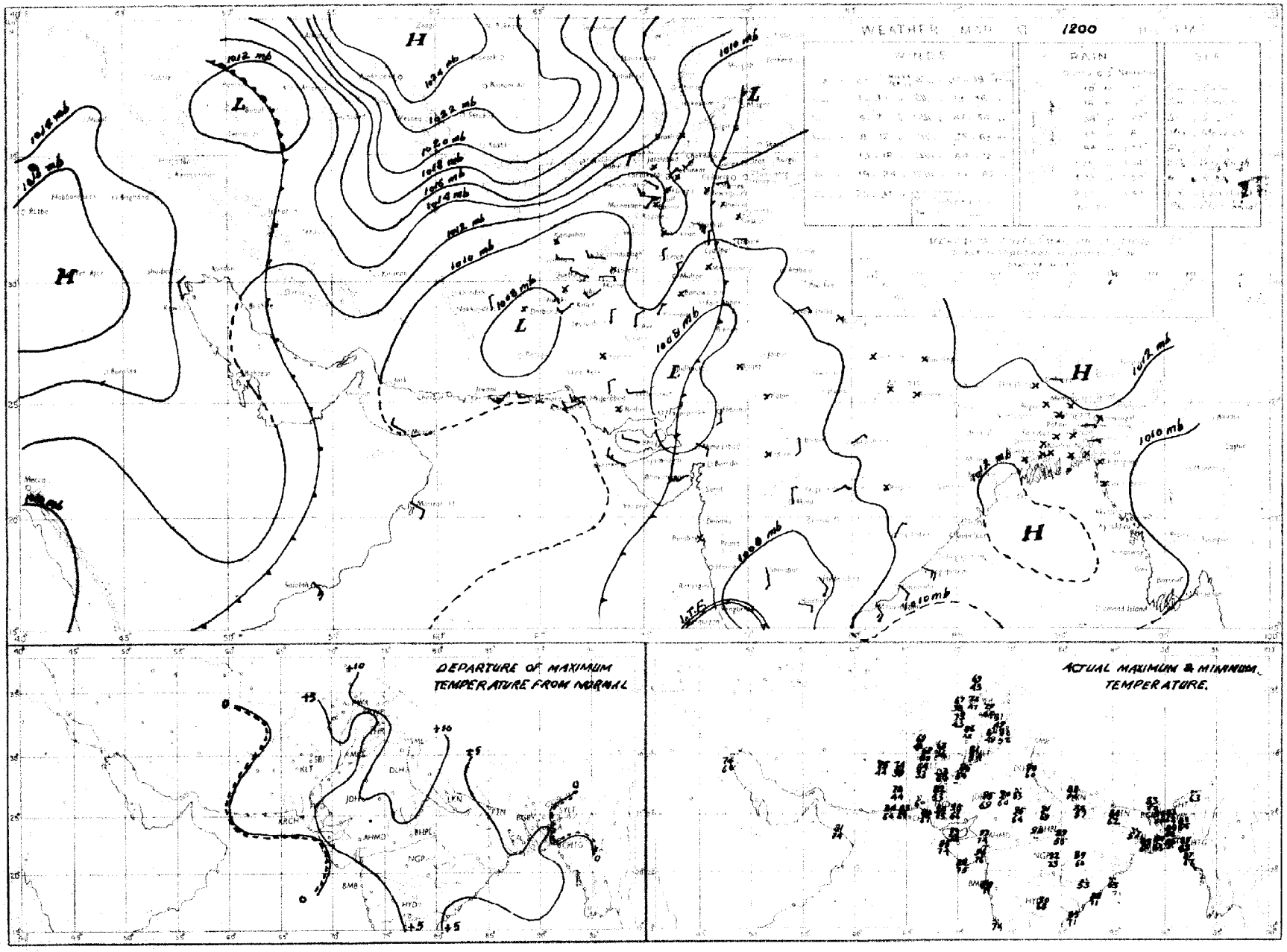
FRIDAY 23rd. NOVEMBER 1951



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

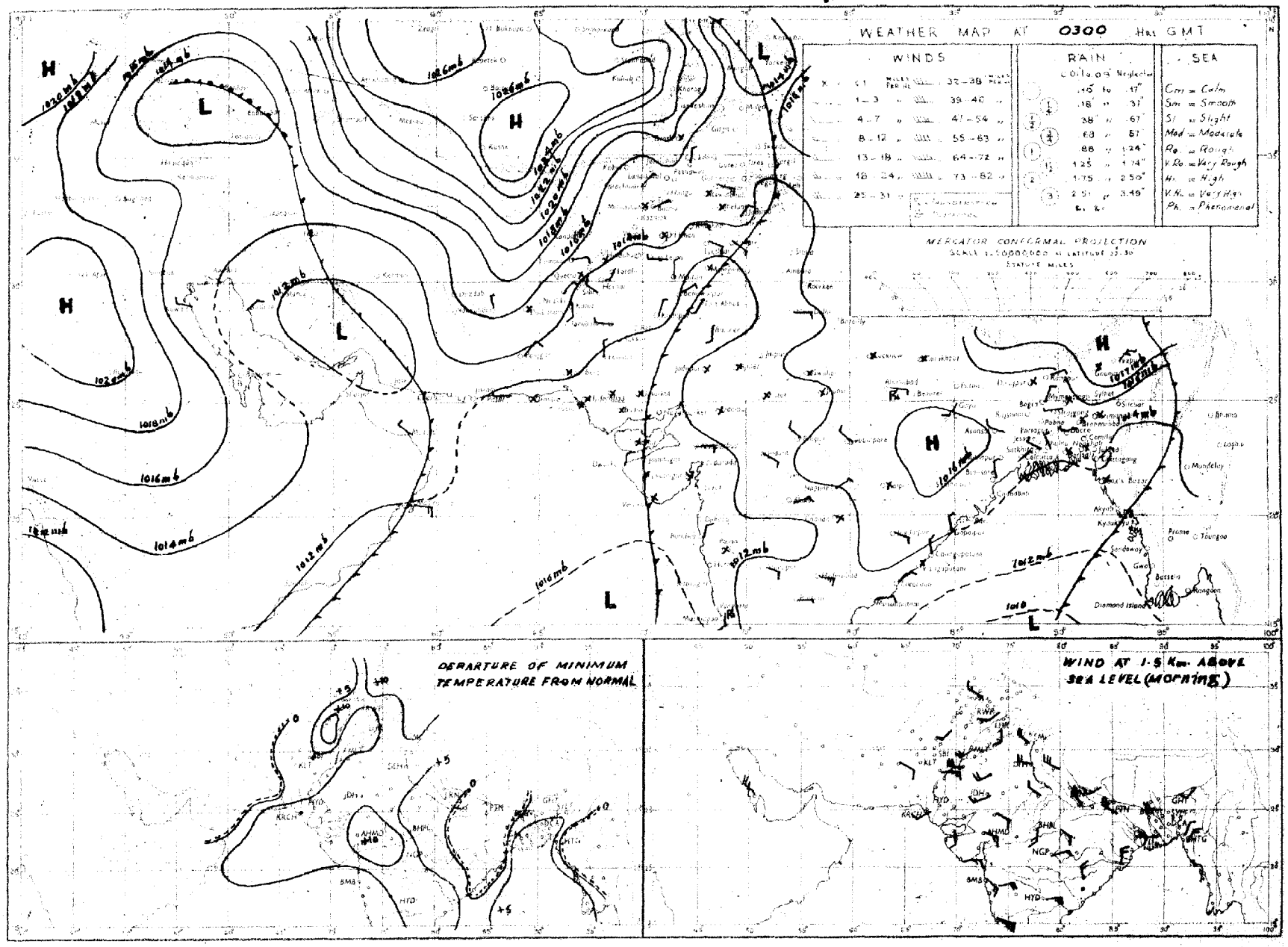
THURSDAY 22nd. NOVEMBER 1951.



Rainfall amounts indicated in the above chart refer to past 3 hours

PAKISTAN DAILY WEATHER MAP

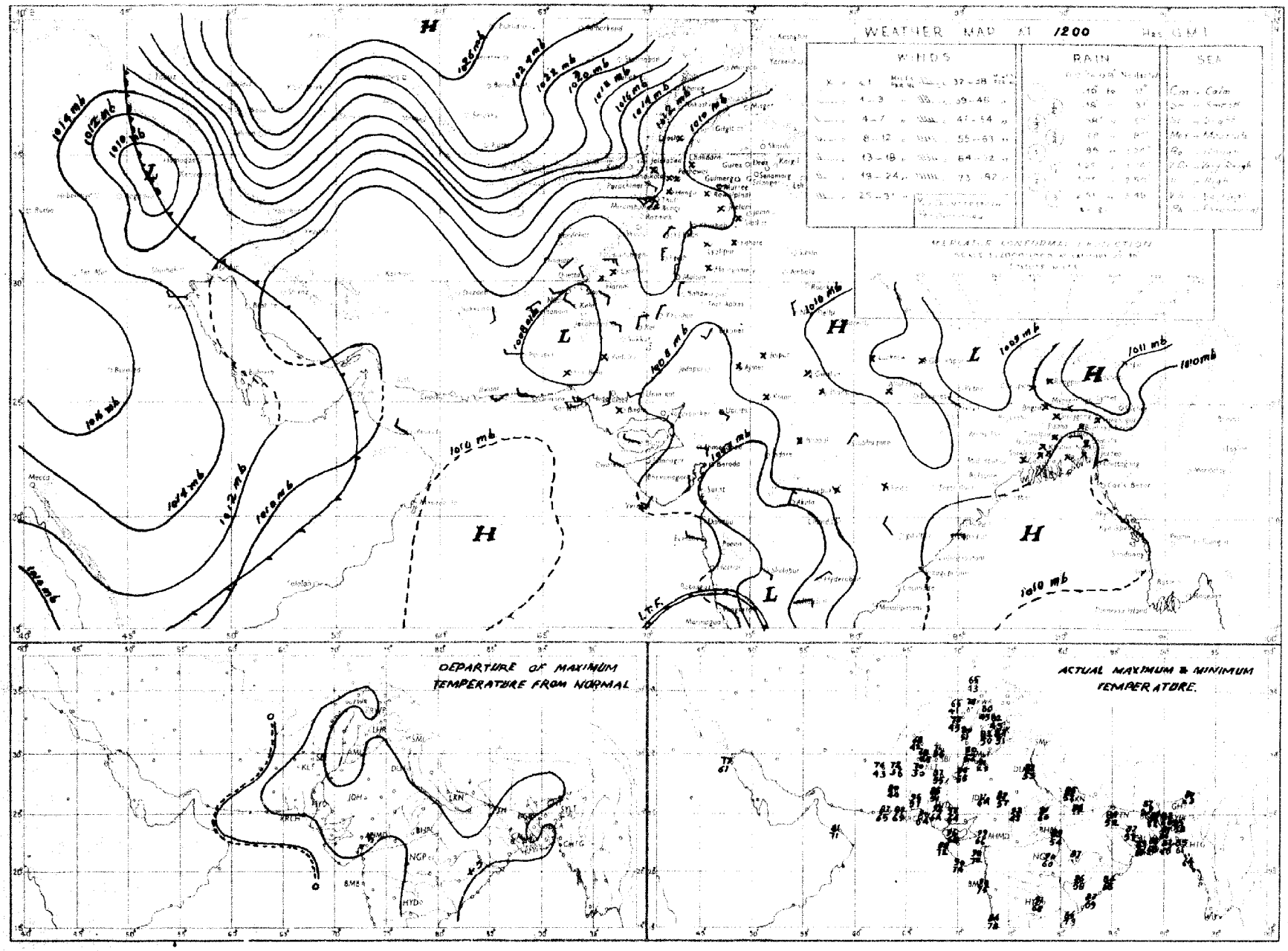
THURSDAY 22nd NOVEMBER 1951



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

WEDNESDAY 21st NOVEMBER 1951



Rainfall amounts indicated in the above chart refer to past 3 hours.

Regd. No. S-1451.

WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G. M. T. on Wednesday, the 5th December, 1951.

—o:O:o—

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WEATHER BUREAU

SUMMARY OF WEATHER.

Dry weather prevailed over the country during the week.

Night temperatures were appreciably to markedly above normal in West Pakistan outside west Baluchistan and lower Sind on the 5th and in the Punjab on the 29th, 1st and 2nd.

2. EAST PAKISTAN: No rain fell.

KASHMIR: Data not available.

PUNJAB: Weather remained dry.

NORTH-WEST FRONTIER PROVINCE: Weather remained dry.

BALUCHISTAN: Weather remained dry.

SIND: Weather remained dry.

JUNAGADH: Data not available.

3. No rain fell over the country during the week.

Rainfall for the period from 1st November 1951 to date was in large excess in the Punjab, the North-West Frontier Province, Sind and the Northern sub-division of East Pakistan. It was normal in south Baluchistan, deficient in the Eastern and Deltaic sub-divisions of East Pakistan and scanty in north Baluchistan.

4. The table overleaf summarises the rainfall statistics for the eleven sub-divisions of Pakistan both for the week and for the period from 1st November 1951 to date.

KARACHI-11.
The 5th December, 1951

MOHAMMAD SHABBAR,
for Director, Meteorological Service

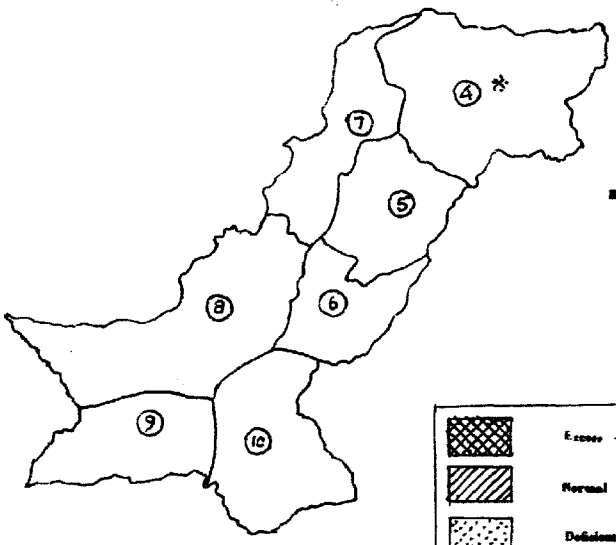
WEEKLY WEATHER REPORT

Division	Rainfall for week ending on 5th December, 1951.			Rainfall for period from 1-11-1951 to 5th December, 1951.			
	Actual †	Normal	Excess or defect	Actual †	Normal	* Excess or defect	
						inches	Per cent
1	2	3	4	5	6	7	8
1. East Pakistan (East)	0	0.1	− 0.1	1.1	1.7	− 0.5	− 33
2. East Pakistan (Deltaic)	0	0.3	− 0.3	1.0	1.3	− 0.3	− 24
3. East Pakistan (North)	0	0	0	1.8	0.6	+1.2	+200
4. Kashmir ††	....	....	....	....	....	....	...
5. North Punjab	0	0.1	− 0.1	1.3	0.2	+1.1	+600
6. South Punjab	0	0	0	0.3	0.1	+0.3	+417
7. N. W. F. P.	0	0.1	− 0.1	0.4	0.2	+0.2	+115
8. North Baluchistan	0	0.2	− 0.2	0.1	0.3	− 0.3	− 76
9. South Baluchistan	0	0.1	− 0.1	0.2	0.2	0	− 6
10. Sind	0	0	0	0.2	0.1	+0.1	+156
11. Junagadh ††	....	....	....	....	....	....	....

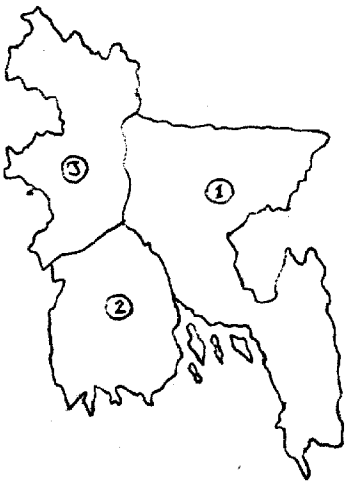
* In the calculation of excesses and defects, and their percentages, rainfall figures are taken correct to 0·01".

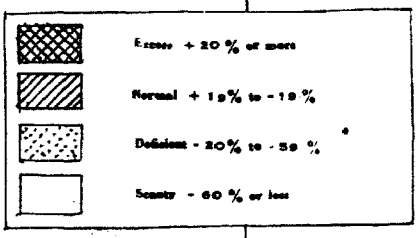
† Rainfall of stations having no normals is not included.

†† Data not available.



RAINFALL FOR THE WEEK ENDING 5-12-1951



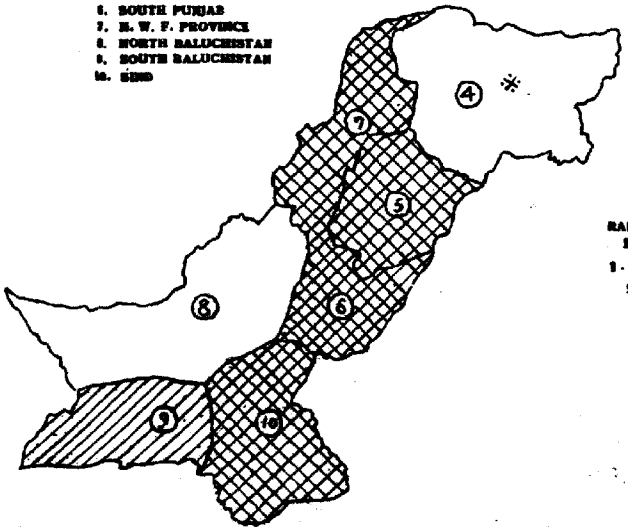


WEST PAKISTAN

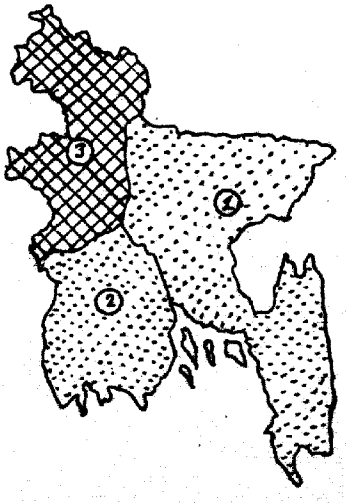
4. KASHMIR
5. NORTH PUNJAB
6. SOUTH PUNJAB
7. N. W. F. PROVINCE
8. NORTH BALUCHISTAN
9. SOUTH BALUCHISTAN
10. SIND

EAST PAKISTAN

1. EAST PAKISTAN (EAST)
2. EAST PAKISTAN (DELTAIC)
3. EAST PAKISTAN (NORTH)



RAINFALL FOR THE PERIOD FROM 1-11-1951 TO 5-12-1951



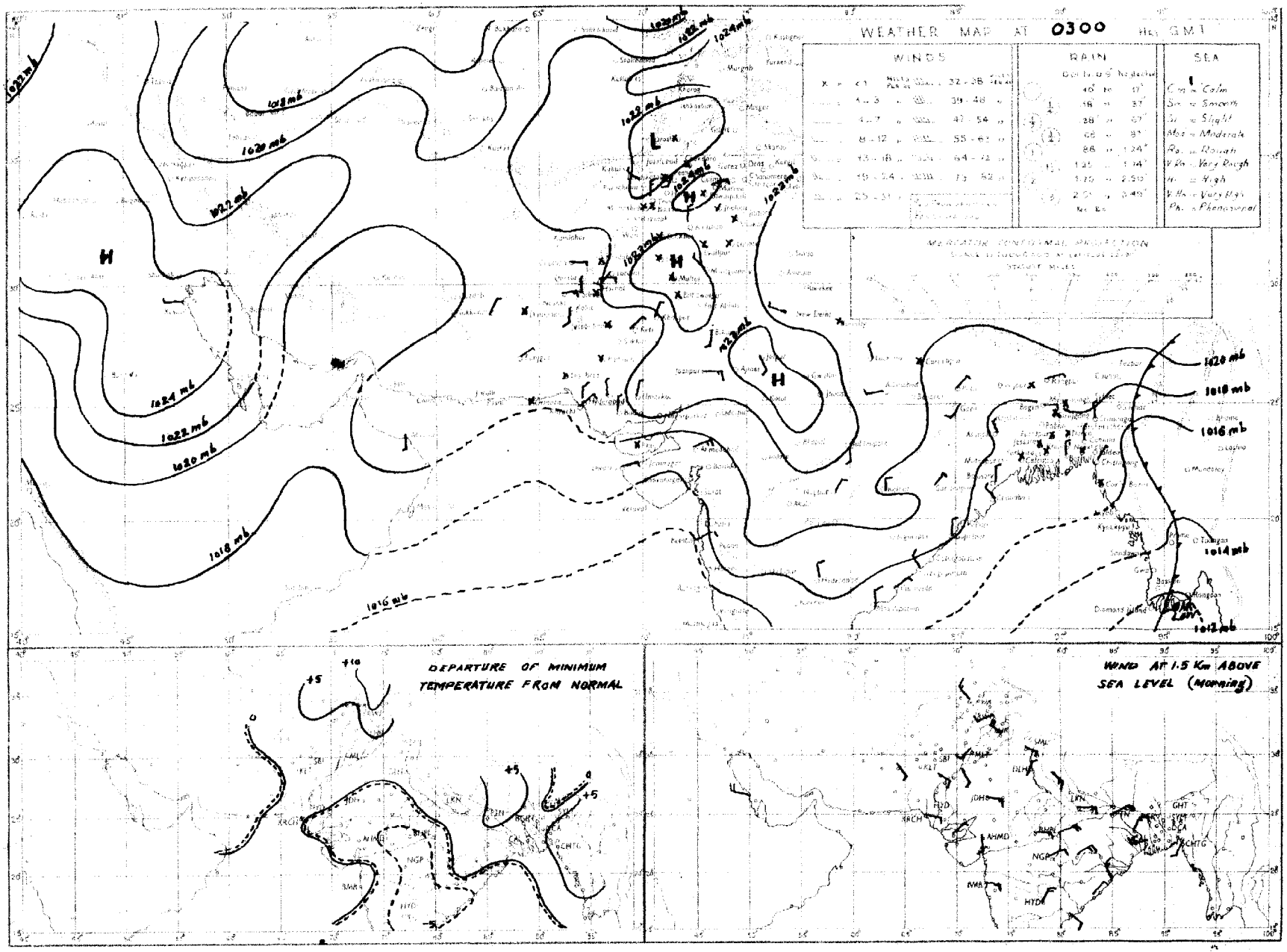
SCALE—[illegible] MILES=1"

SCALE—[illegible] MILES=1"

* Data not available.

PAKISTAN DAILY WEATHER MAP

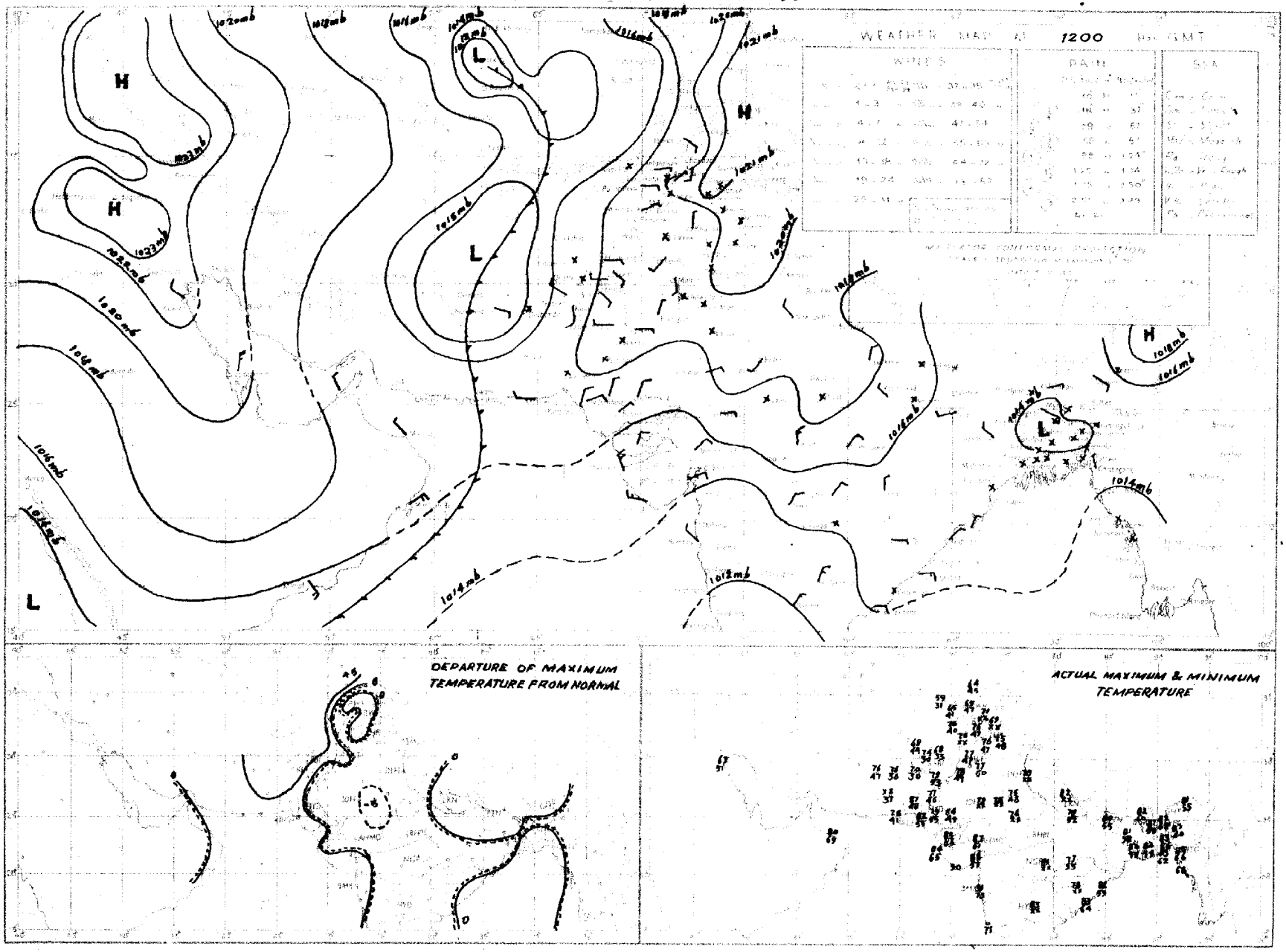
WEDNESDAY 5th DECEMBER 1951.



Rainfall amounts indicated in the above chart refer to past 24 hours

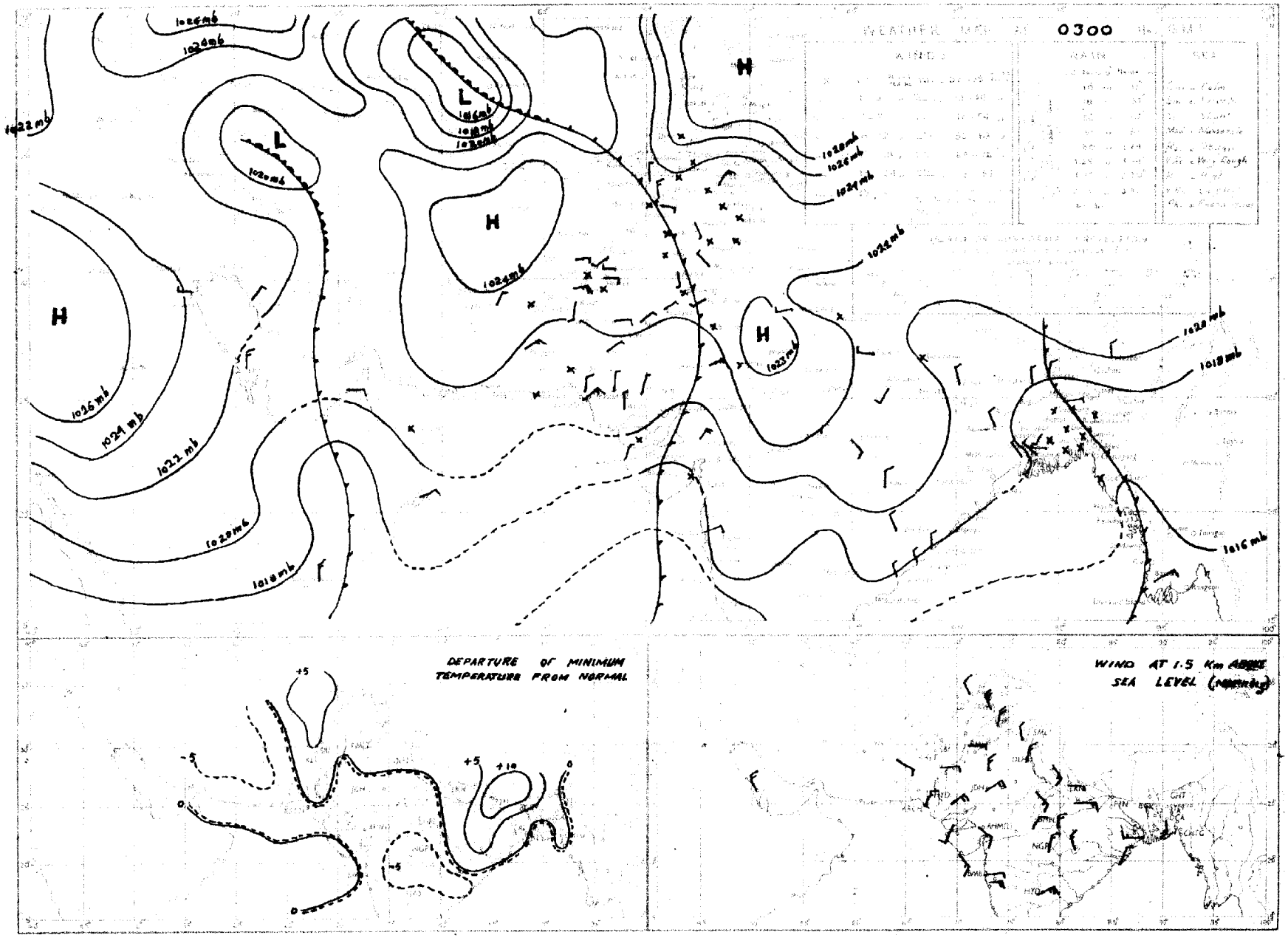
PAKISTAN DAILY WEATHER MAP

TUESDAY 4th: DECEMBER 1951



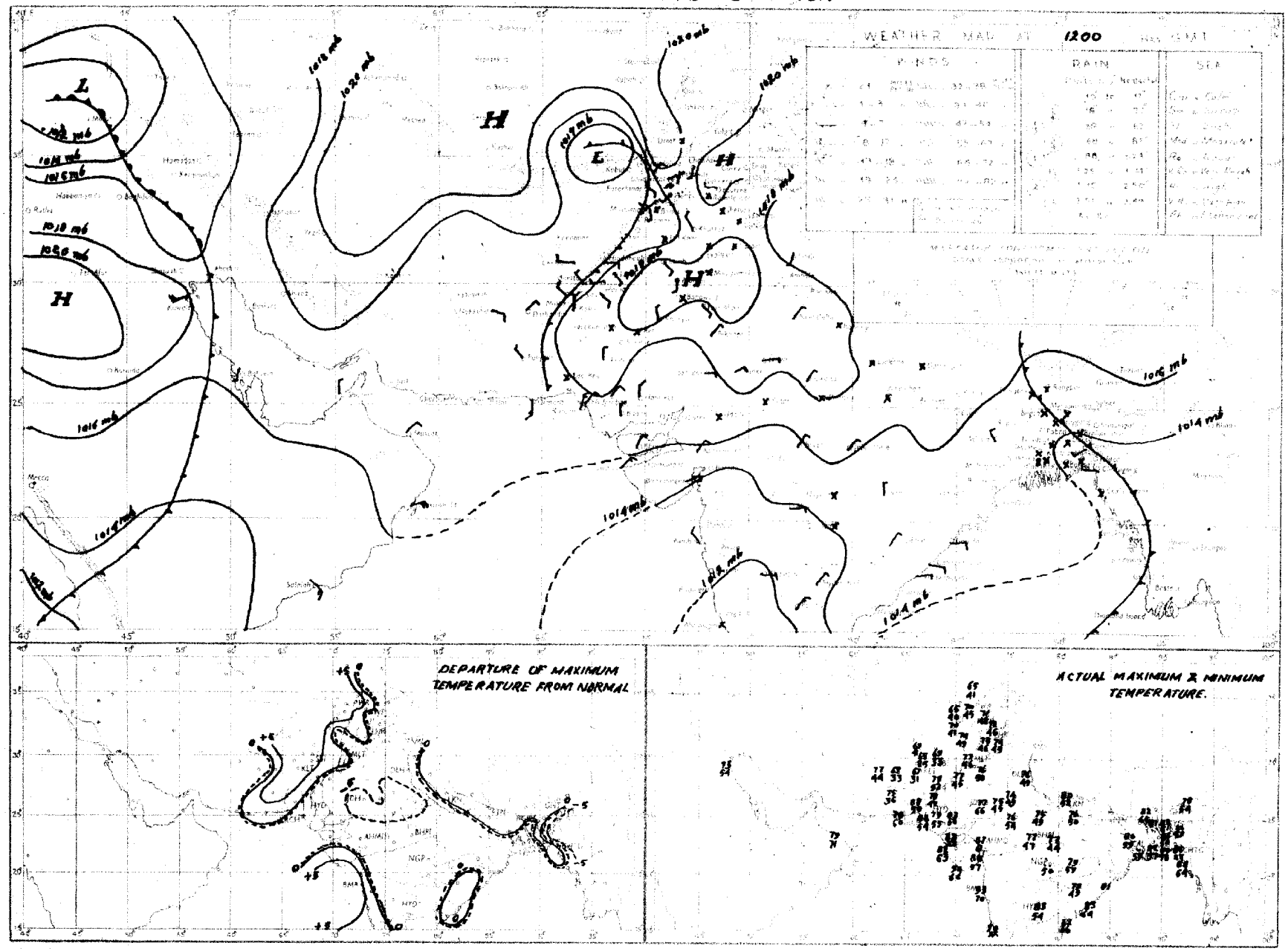
PAKISTAN DAILY WEATHER MAP

TUESDAY 4th. DECEMBER 1951.



PAKISTAN DAILY WEATHER MAP

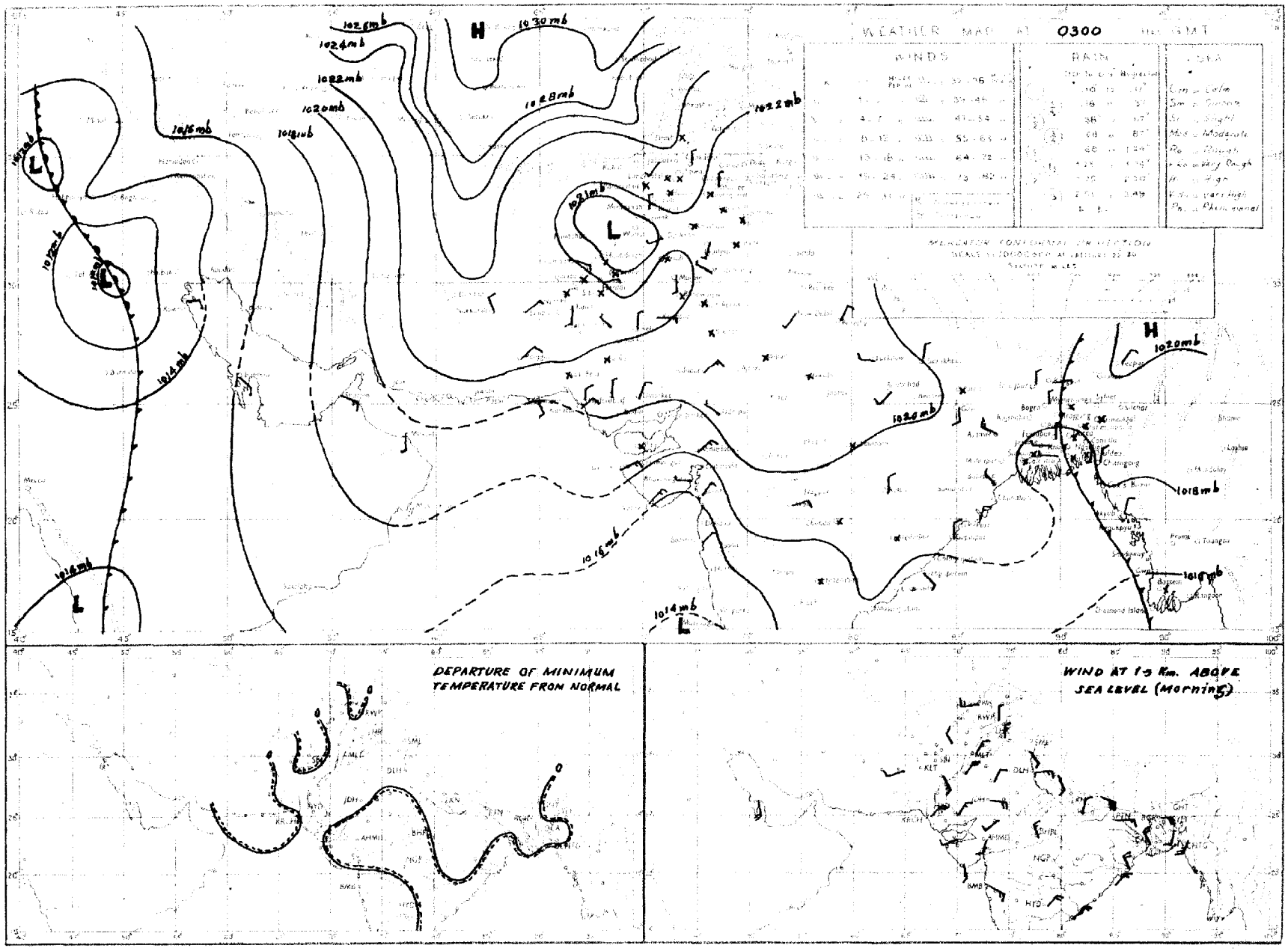
MONDAY 3rd. DECEMBER 1951.



Rainfall amounts indicated in the above chart refer to past 9 hours.

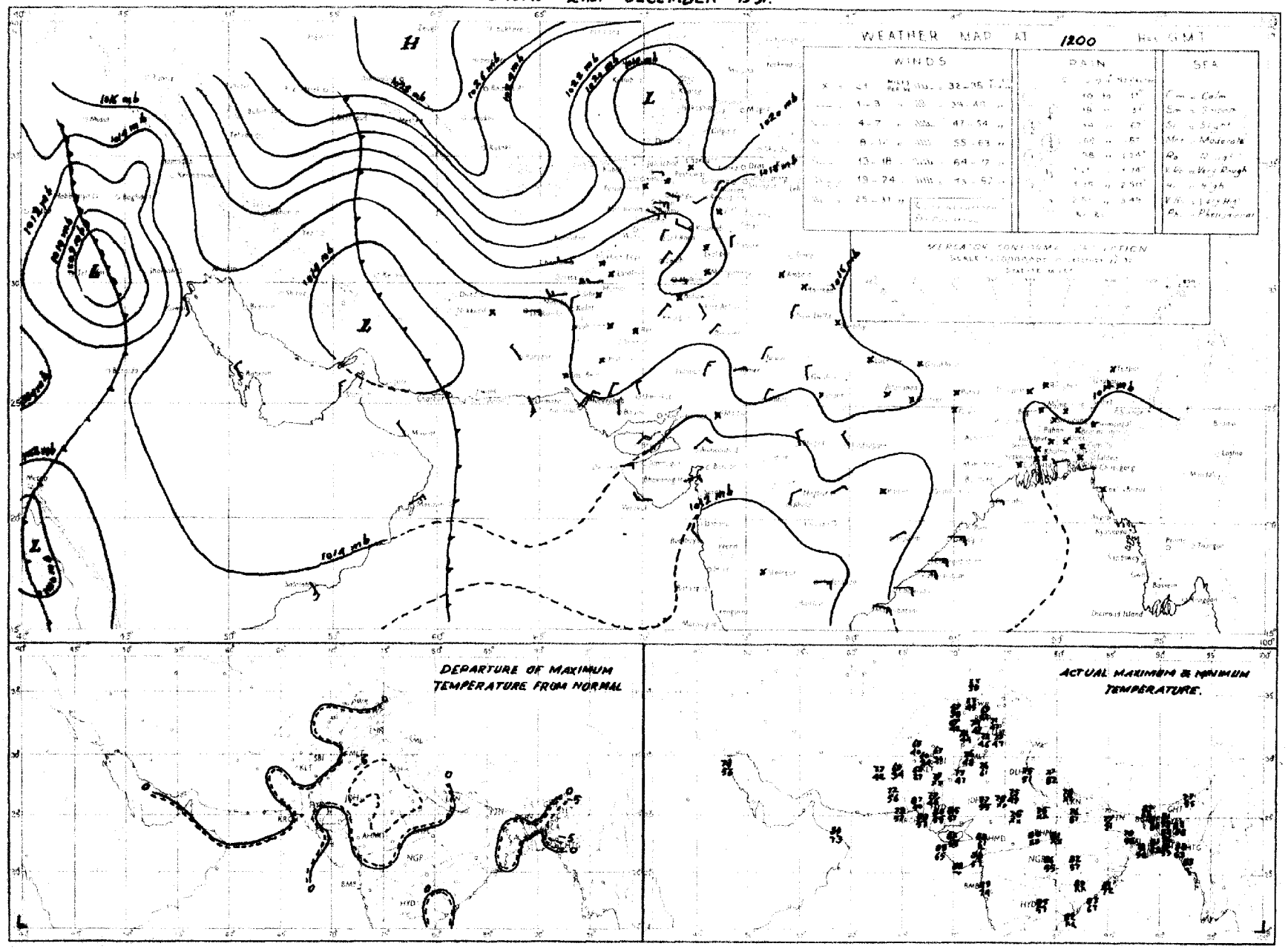
PAKISTAN DAILY WEATHER MAP

MONDAY 3rd: DECEMBER 1951



PAKISTAN DAILY WEATHER MAP

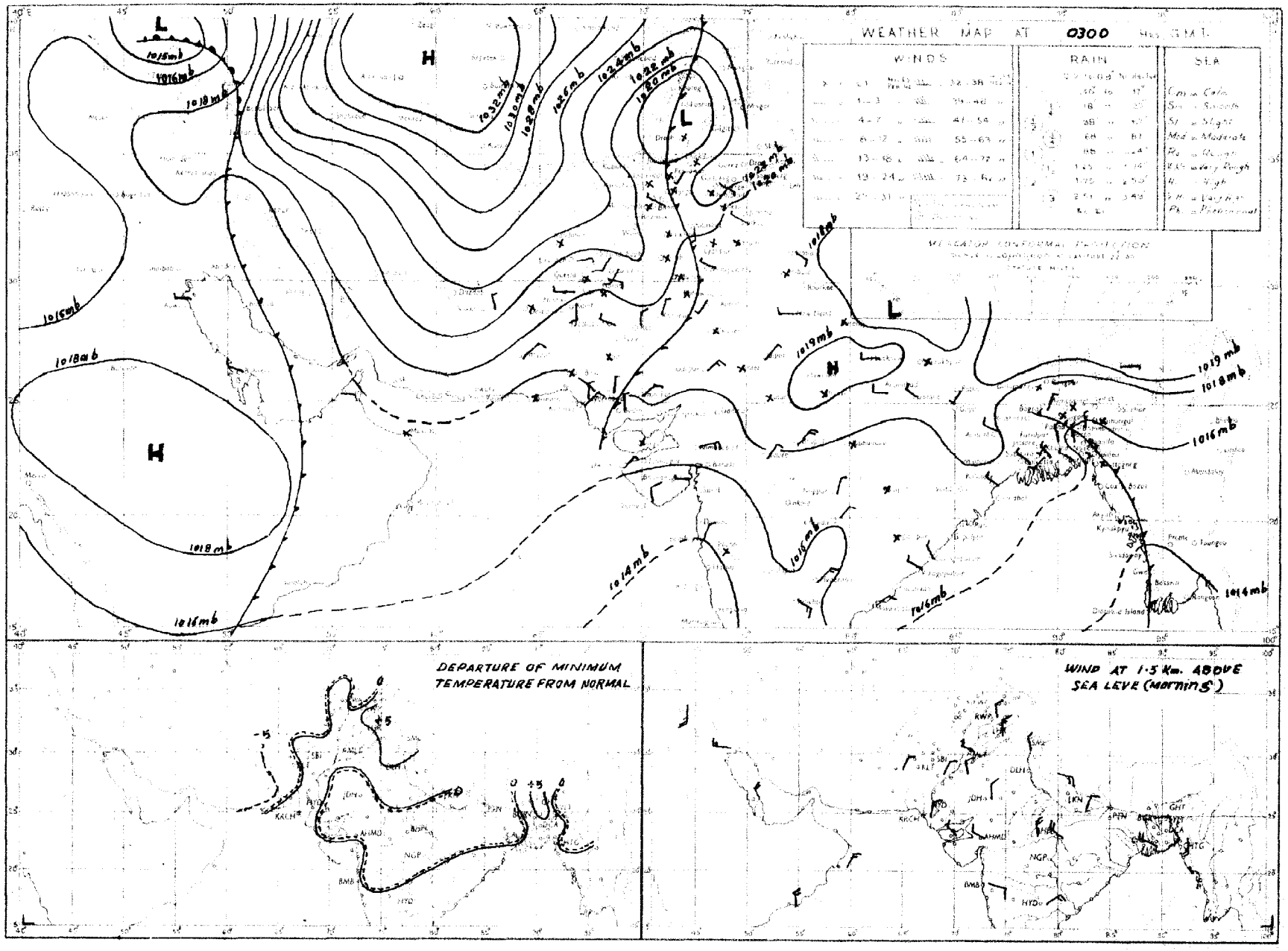
SUNDAY 2nd. DECEMBER 1951.



Rainfall amounts indicated in the above chart refer to past 9 hours

PAKISTAN DAILY WEATHER MAP

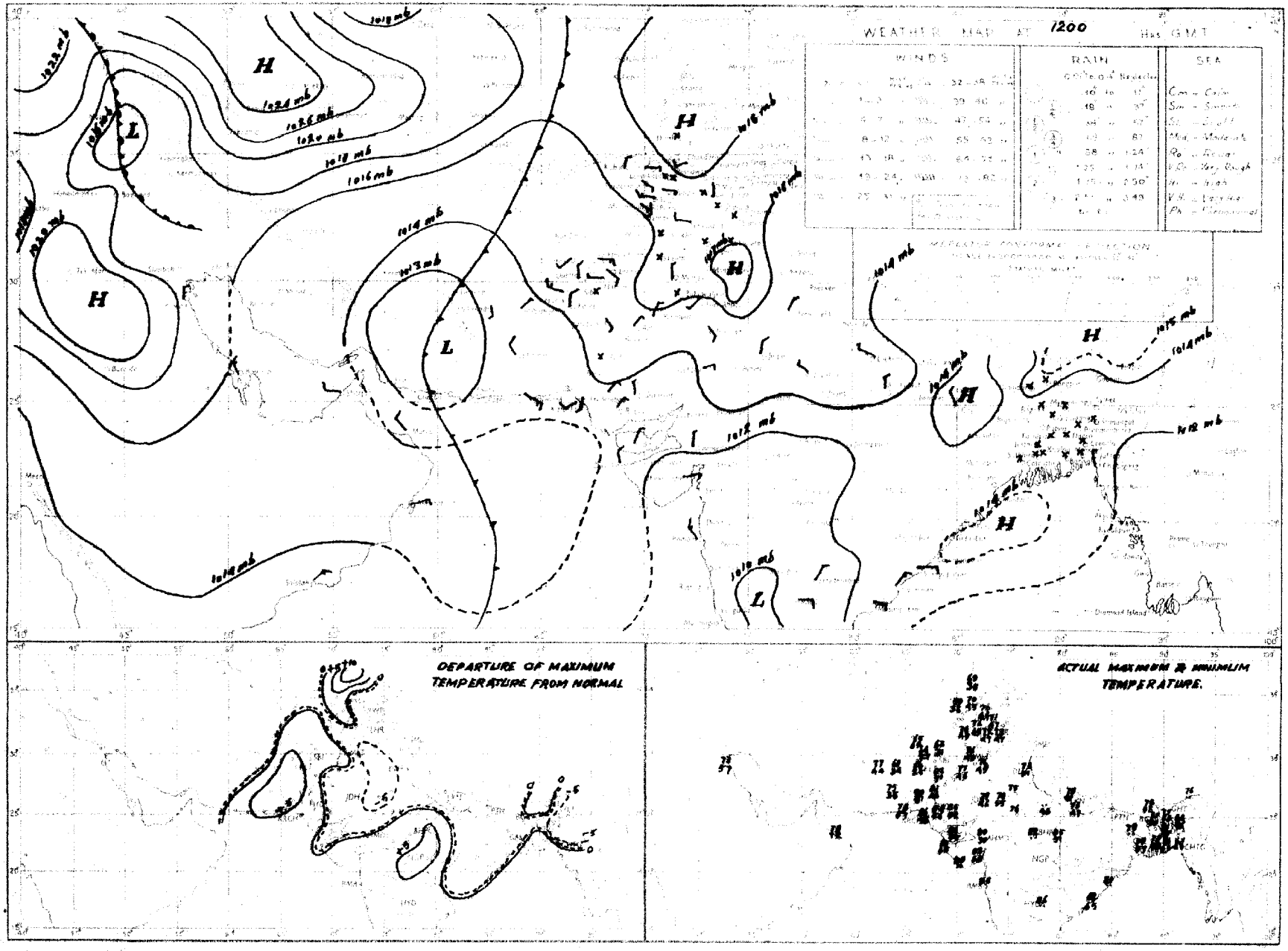
SUNDAY 2nd DECEMBER 1951



Rainfall amounts indicated in the above chart refer to past 24 hours.

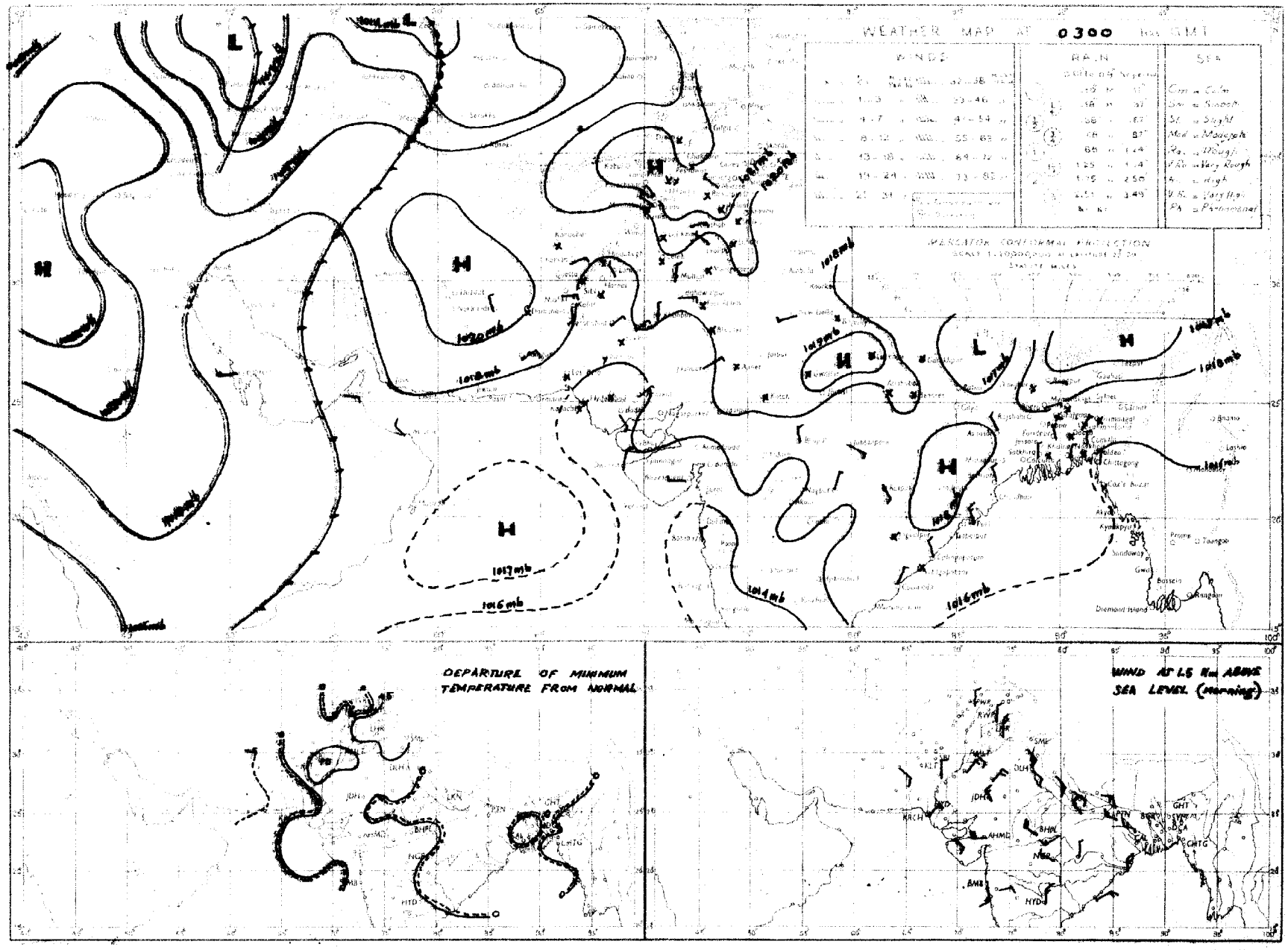
PAKISTAN DAILY WEATHER MAP

SATURDAY 1st. DECEMBER 1951.



PAKISTAN DAILY WEATHER MAP

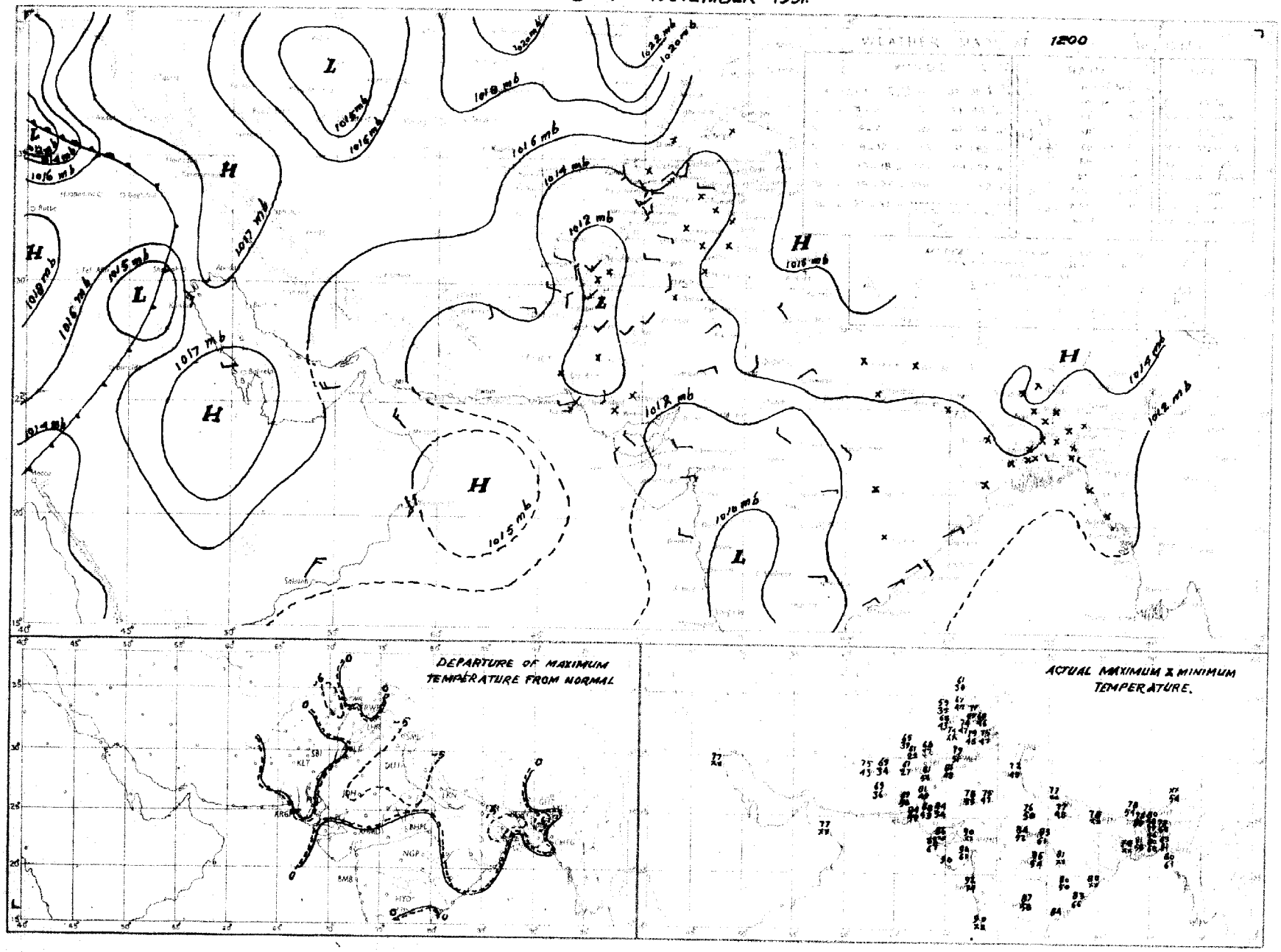
SATURDAY 1st DECEMBER 1951



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

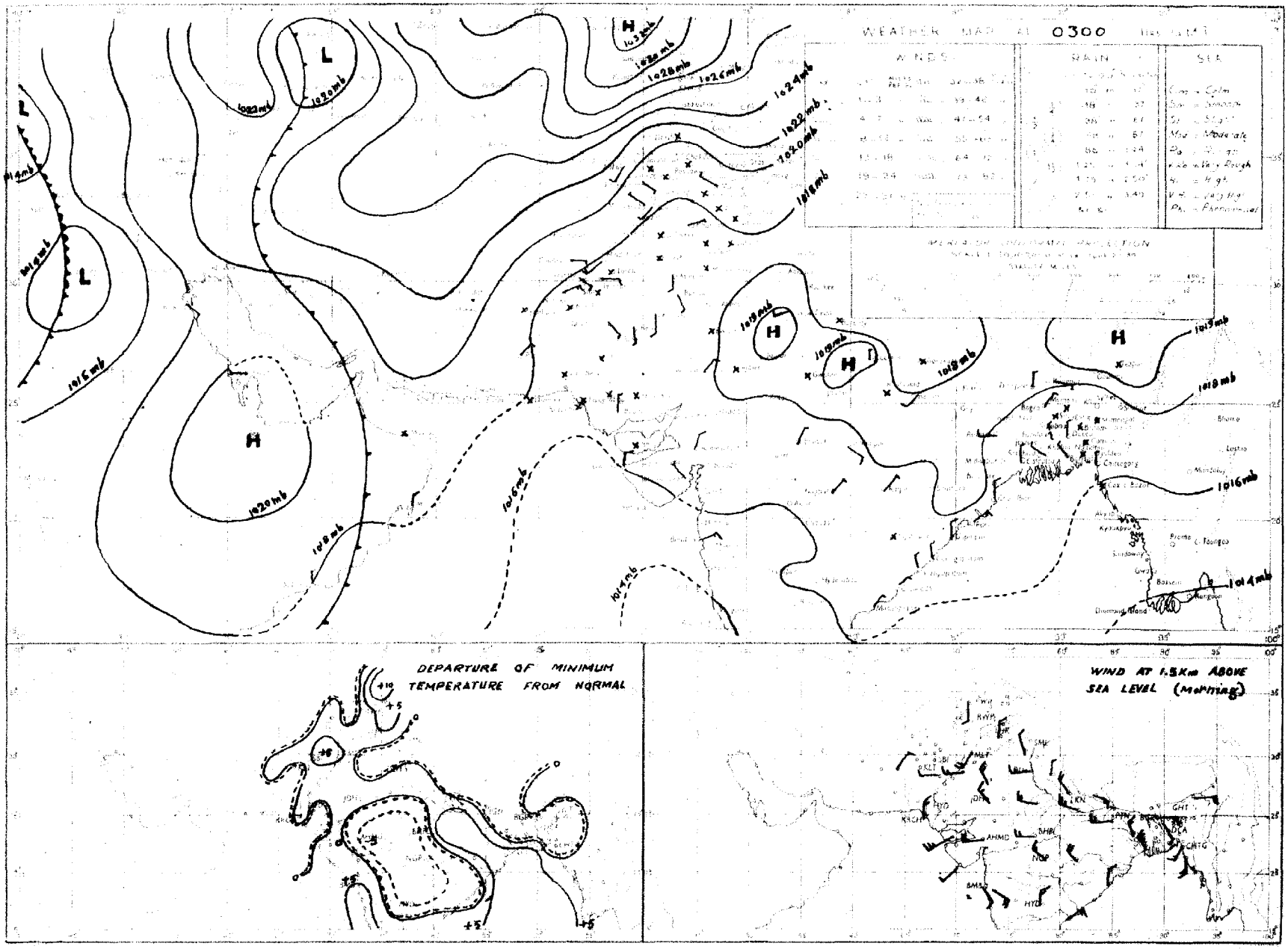
FRIDAY 30th. NOVEMBER 1951.



Rainfall amounts indicated in the above chart refer to past 9 hours

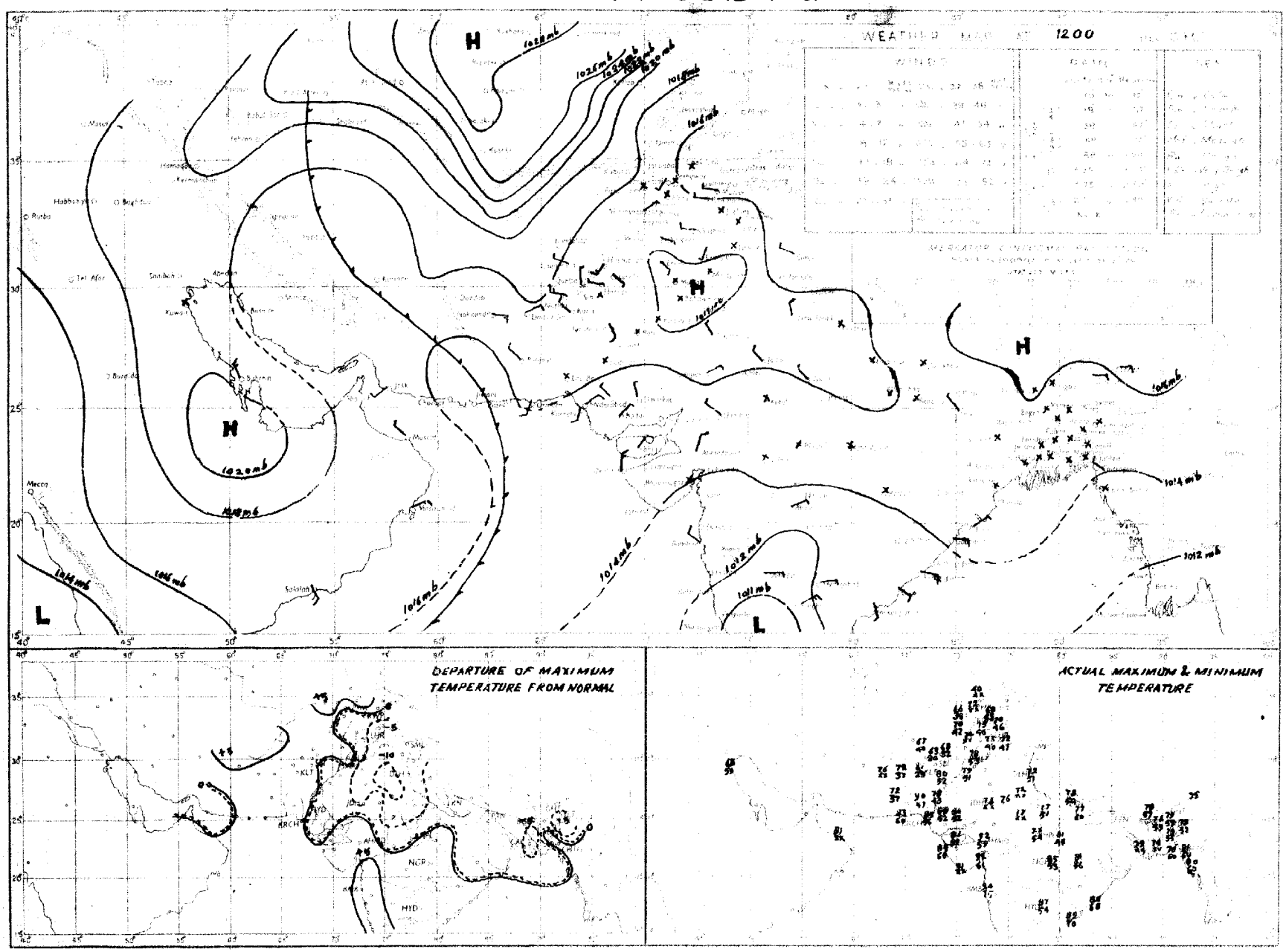
PAKISTAN DAILY WEATHER MAP

FRIDAY 30th. NOVEMBER 1951.



PAKISTAN DAILY WEATHER MAP

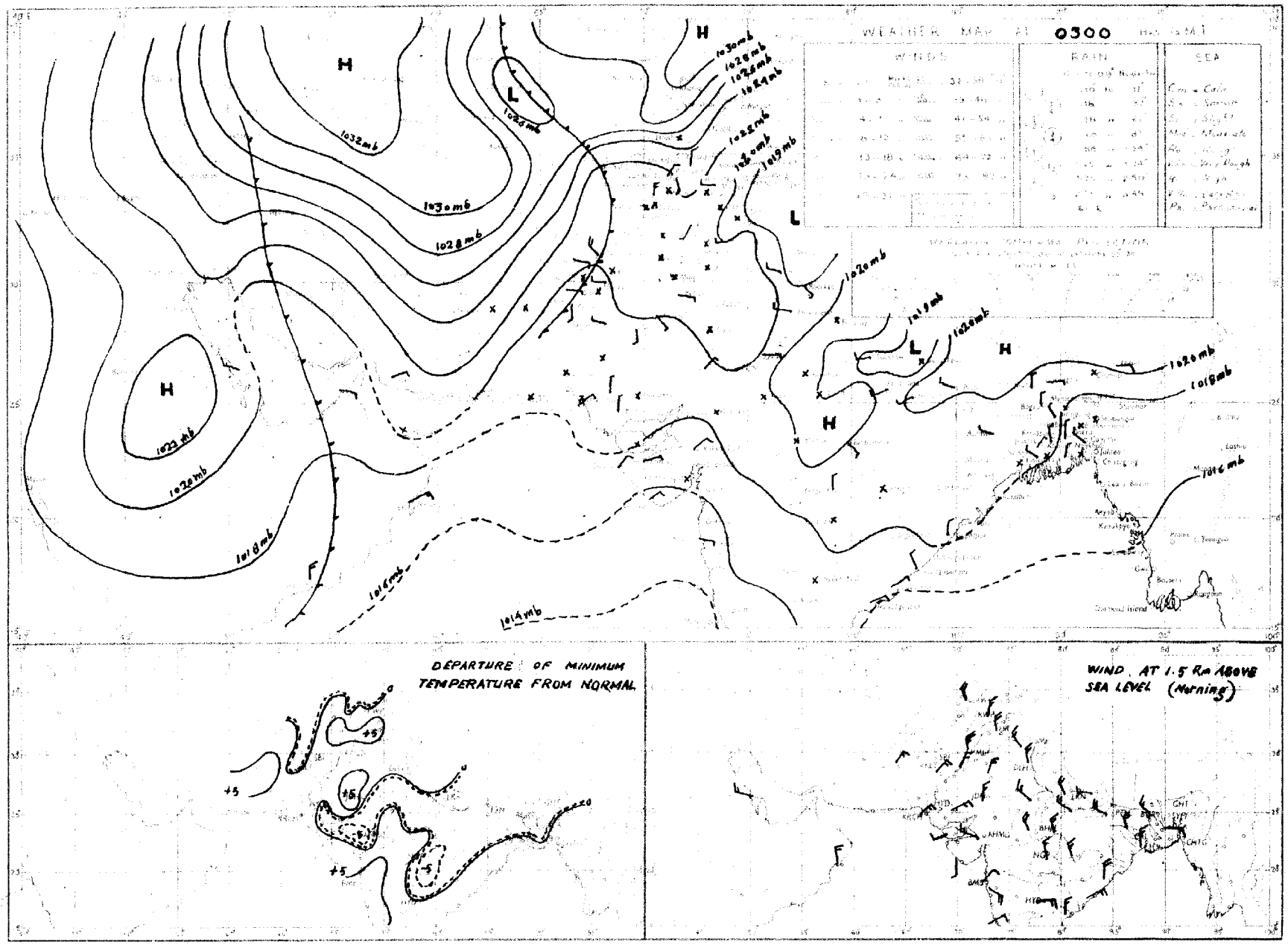
THURSDAY 29th NOVEMBER 1951



Rainfall amounts indicated in the above chart are in mm

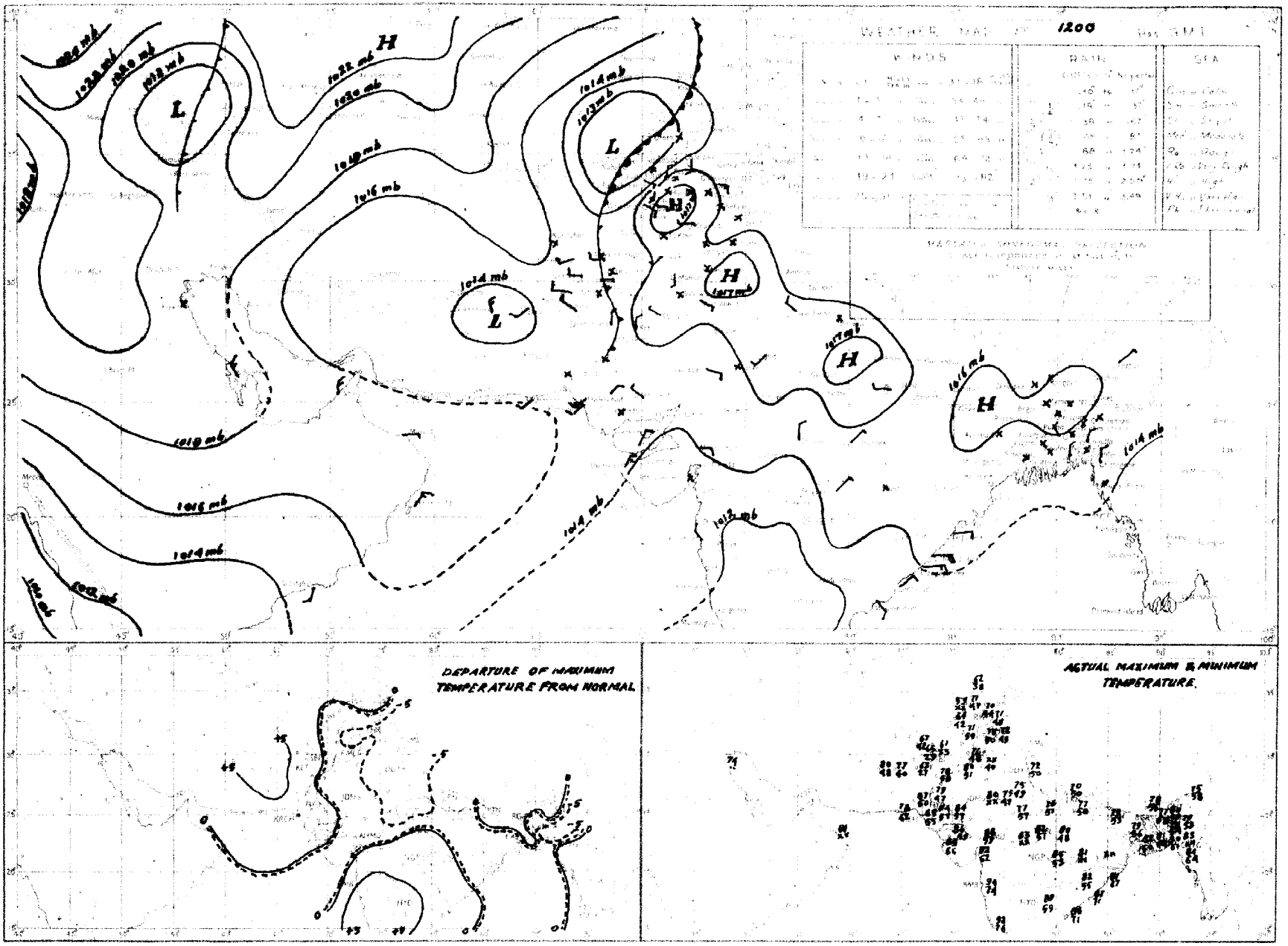
PAKISTAN DAILY WEATHER MAP

THURSDAY 29th. NOVEMBER 1951



PAKISTAN DAILY WEATHER MAP

WEDNESDAY 28th. NOVEMBER 1951



Regd. No. S-1451.

WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G. M. T. on Wednesday, the 12th December, 1951.

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APR 23
WEATHER BUREAU

—o:O:o—

SUMMARY OF WEATHER.

A depression which appeared in the southeast Bay of Bengal on the first day of the week intensified into a severe cyclonicstorm on the 9th when it was centred at 0300 hrs. G.M.T. within one degree of latitude 14½°N and longitude 89°E. The storm moving practically northwards thereafter, weakened into a deep repression on the last day and was centred in the morning near latitude 20°N and longitude 89½°E. In its association skies were moderate to heavily clouded over the southern districts of East Pakistan during the latter half of the week.

Weather continued dry over the country.

Night temperatures were markedly to considerably above normal in East Pakistan on the last two days and in the Eastern and Deltaic sub-divisions on the 9th and 10th. They were also appreciably to markedly above normal over the country on the first two days.

2. EAST PAKISTAN: Weather continued dry.

KASHMIR: Data not available.

PUNJAB: Weather continued dry.

NORTH-WEST FRONTIER PROVINCE: Weather continued dry.

BALUCHISTAN: Weather continued dry.

SIND: Weather continued dry.

JUNAGADH: Data not available.

3. No rain fell over the country during the week.

Rainfall for the period from 1st November 1951 to date was in large excess in the Punjab, Sind and the Northern sub-division of East Pakistan and in excess in the North-West Frontier Province. It was deficient in south Baluchistan and the Eastern and Deltaic sub-divisions of East Pakistan and scanty in north Baluchistan.

4. The table overleaf summarises the rainfall statistics for the eleven sub-divisions of Pakistan both for the week and for the period from 1st November 1951 to date.

KARACHI-11.
The 12th December, 1951

MOHAMMAD SHABBAR,
for Director, Meteorological Service.

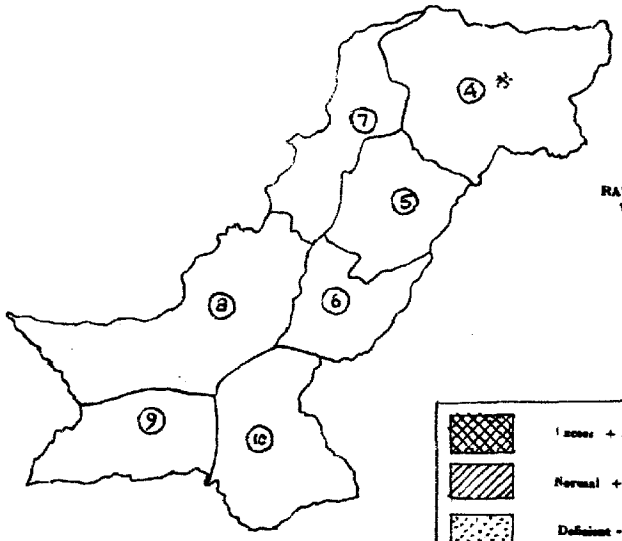
WEEKLY WEATHER REPORT

Division	Rainfall for week ending on 12th December, 1951.			Rainfall for period from 1-11-1951 to 12th December, 1951.			
	Actual †	Normal	Excess or defect	Actual †	Normal	* Excess or defect	
						Inches	Per cent
1	2	3	4	5	6	7	8
1. East Pakistan (East)	0	0.2	− 0.2	1.1	1.8	− 0.7	− 39
2. East Pakistan (Deltaic)	0	0.1	− 0.1	1.0	1.4	− 0.4	− 28
3. East Pakistan (North)	0	0	0	1.8	0.6	+1.1	+185
4. Kashmir ††	....	....	....	....	....	....	...
5. North Punjab	0	0.1	− 0.1	1.3	0.3	+1.0	+385
6. South Punjab	0	0.1	− 0.1	0.3	0.1	+0.2	+182
7. N. W. F. P.	0	0.1	− 0.1	0.4	0.3	+0.1	+ 48
8. North Baluchistan	0	0.2	− 0.2	0.1	0.5	− 0.4	− 85
9. South Baluchistan	0	0.2	− 0.2	0.2	0.3	− 0.2	− 51
10. Sind	0	0	0	0.2	0.1	+0.1	+109
11. Junagadh ††	....	....	....	....	....	....	....

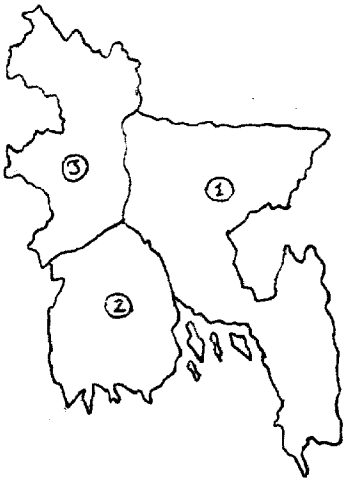
* In the calculation of excesses and defects, and their percentages, rainfall figures are taken correct to 0·01".

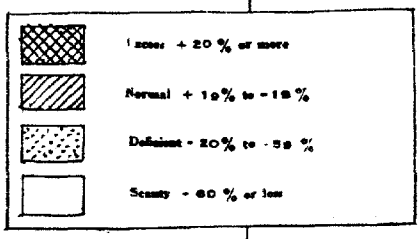
† Rainfall of stations having no normals is not included.

†† Data not available.



RAINFALL FOR THE WEEK ENDING 12-12-1951



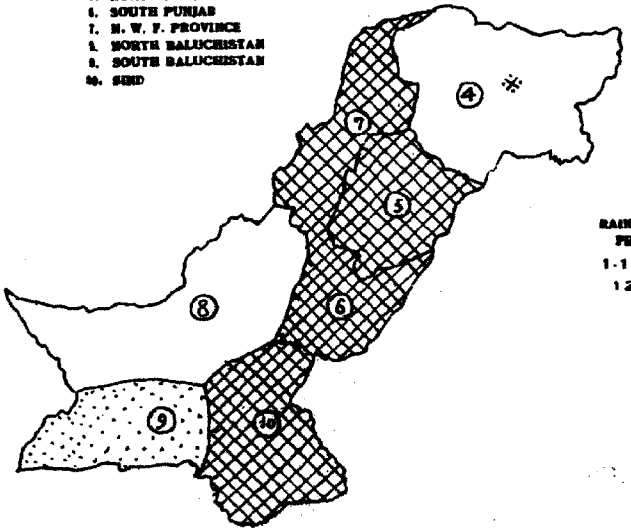


WEST PAKISTAN

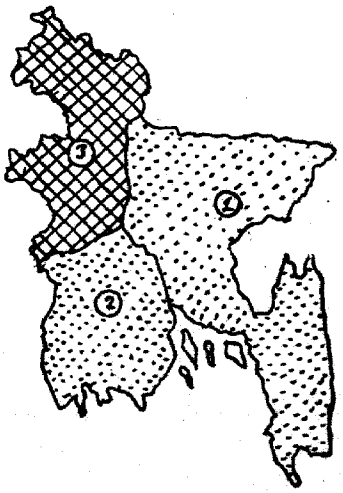
4. KASHMIR
5. NORTH PUNJAB
6. SOUTH PUNJAB
7. N. W. F. PROVINCE
8. NORTH BALUCHISTAN
9. SOUTH BALUCHISTAN
10. SIND

EAST PAKISTAN

1. EAST PAKISTAN (EAST)
2. EAST PAKISTAN (DELTAIC)
3. EAST PAKISTAN (NORTH)



RAINFALL FOR THE PERIOD FROM 1-11-1951 TO 12-12-1951



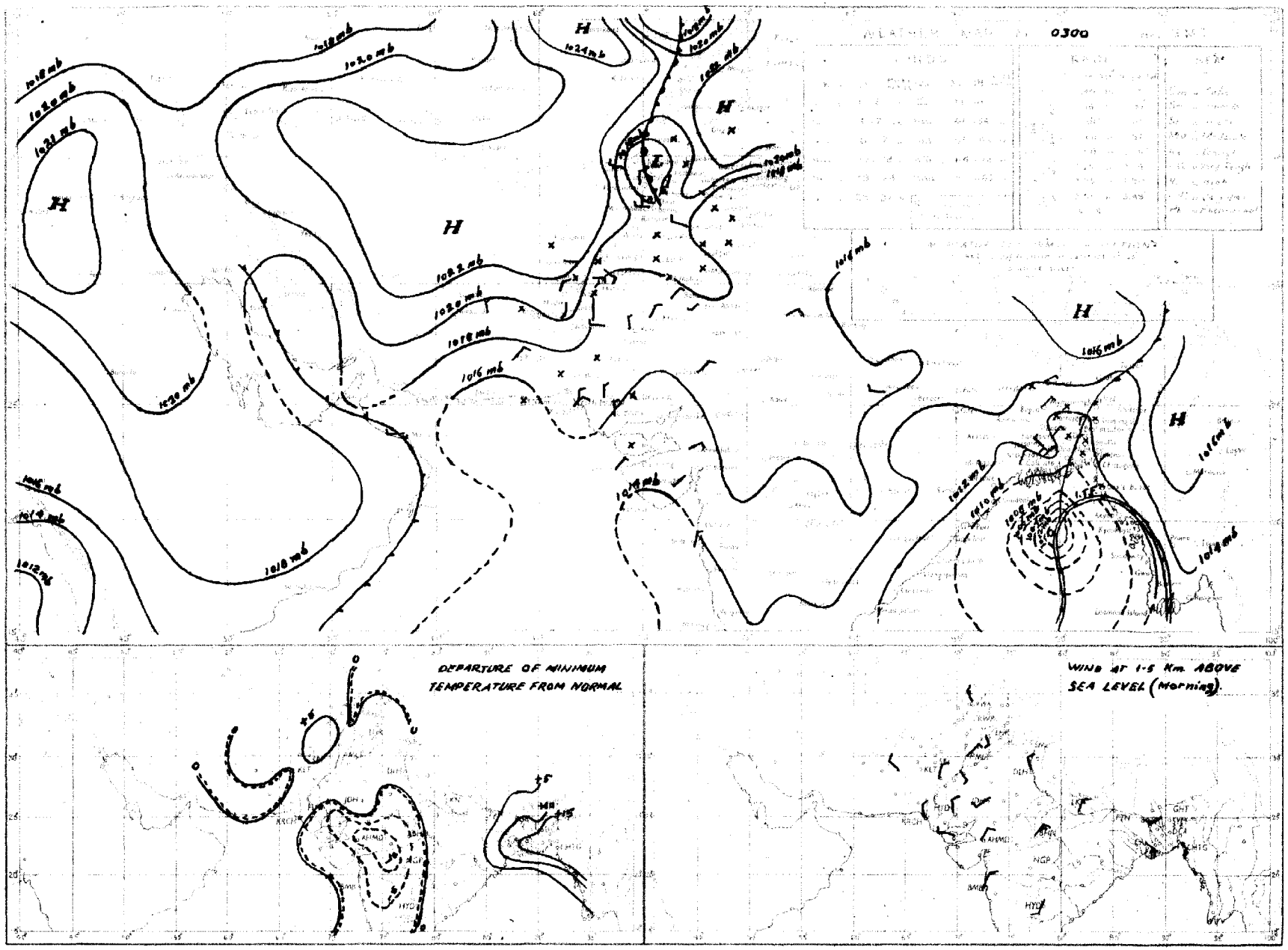
SCALE—[illegible] MILES—1"

SCALE—[illegible] MILES—1"

* Data not available.

PAKISTAN DAILY WEATHER MAP

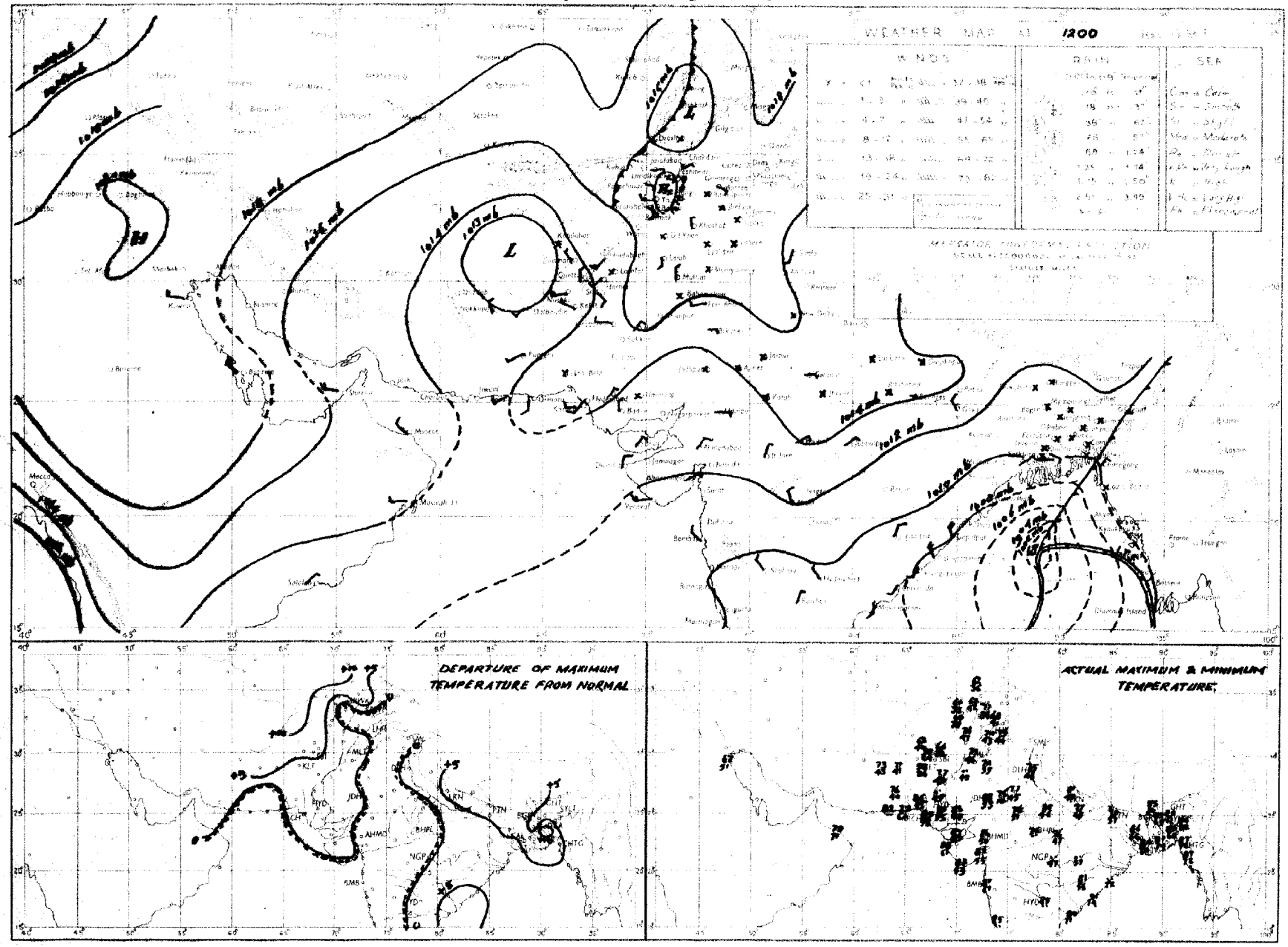
WEDNESDAY 12th. DECEMBER 1951.



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

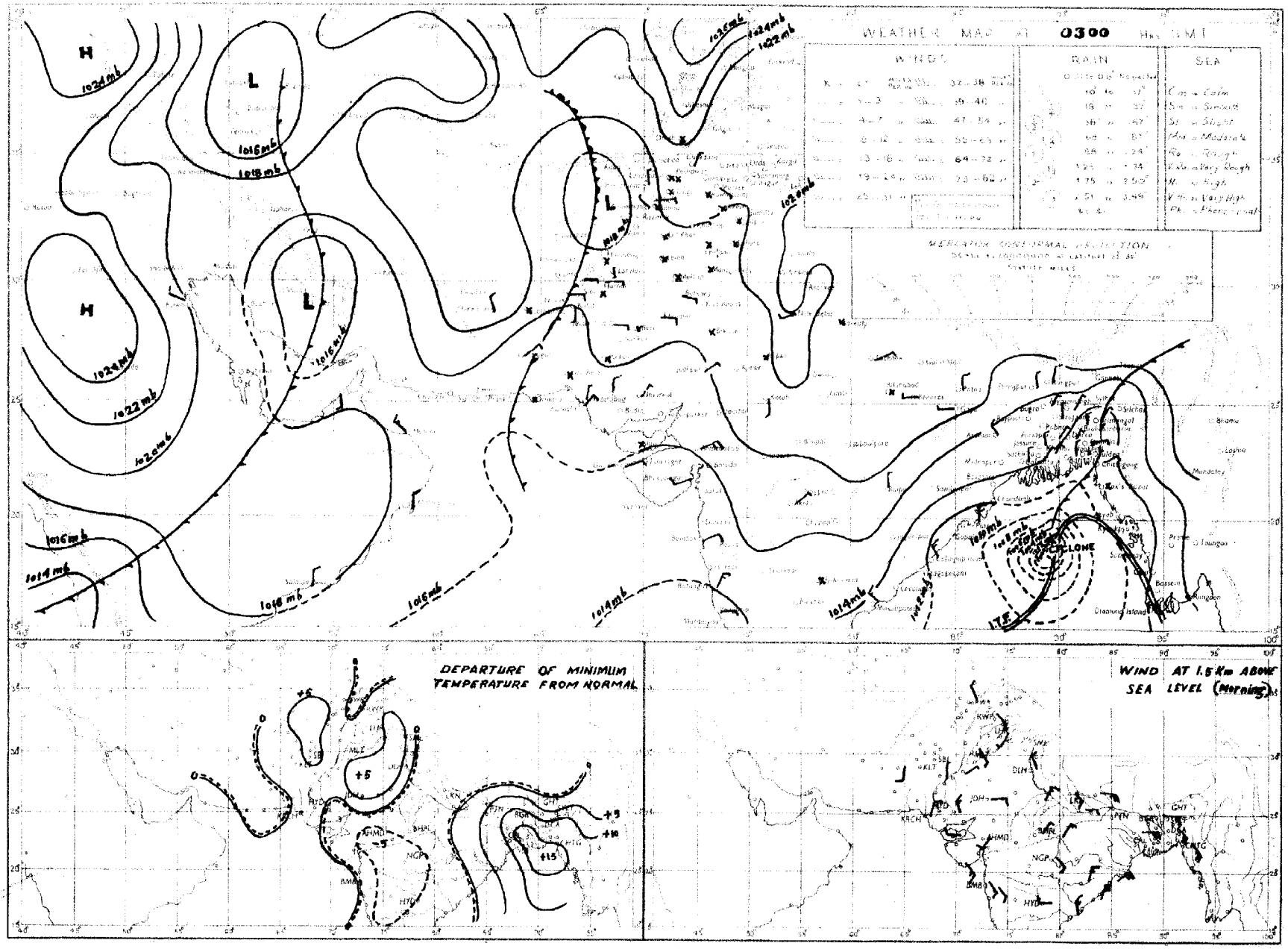
TUESDAY 11th. DECEMBER 1951.



Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER MAP

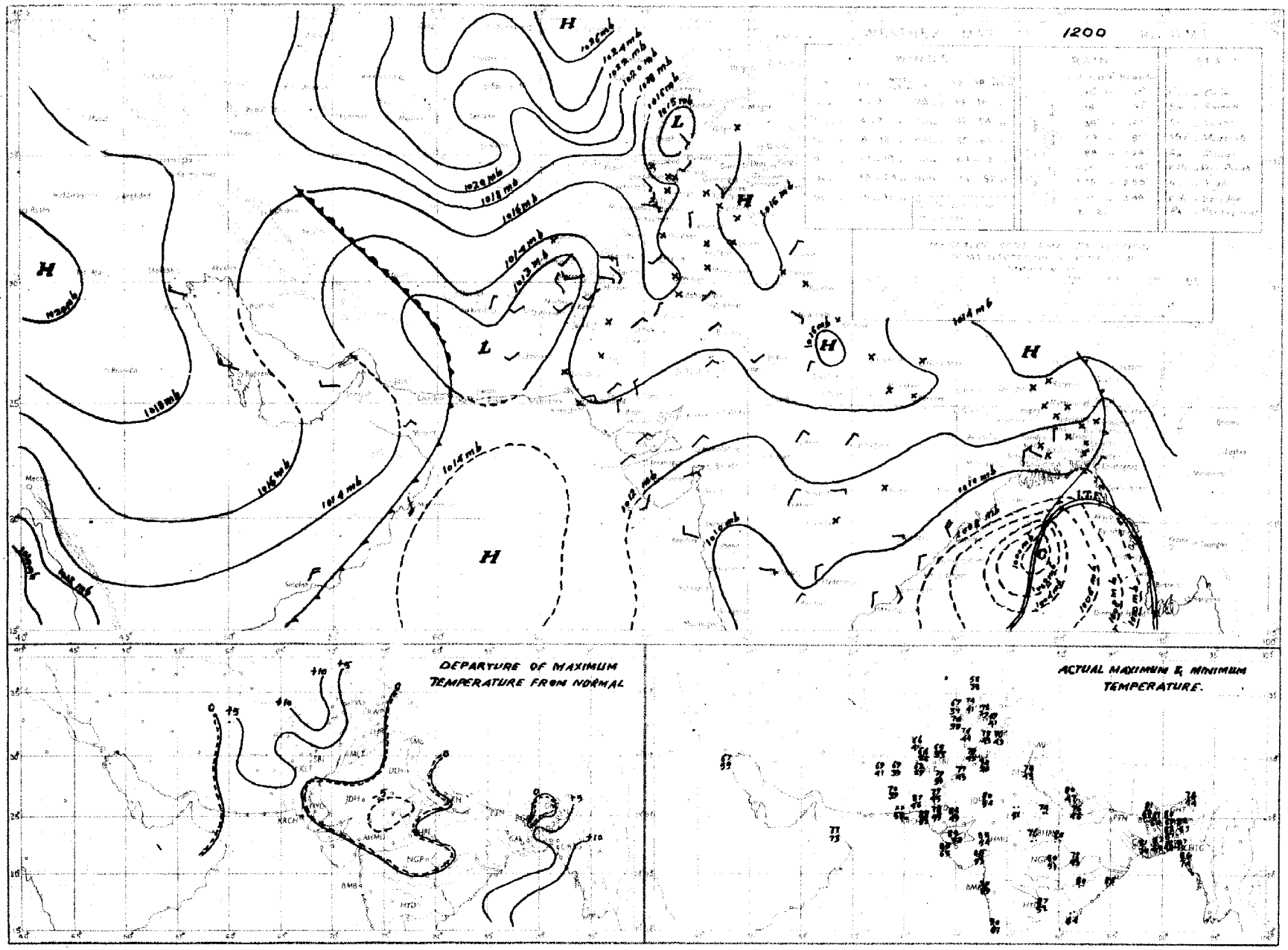
TUESDAY 11th DECEMBER 1951



Rainfall amounts indicated in the above chart refer to past **24** *hours.*

PAKISTAN DAILY WEATHER MAP

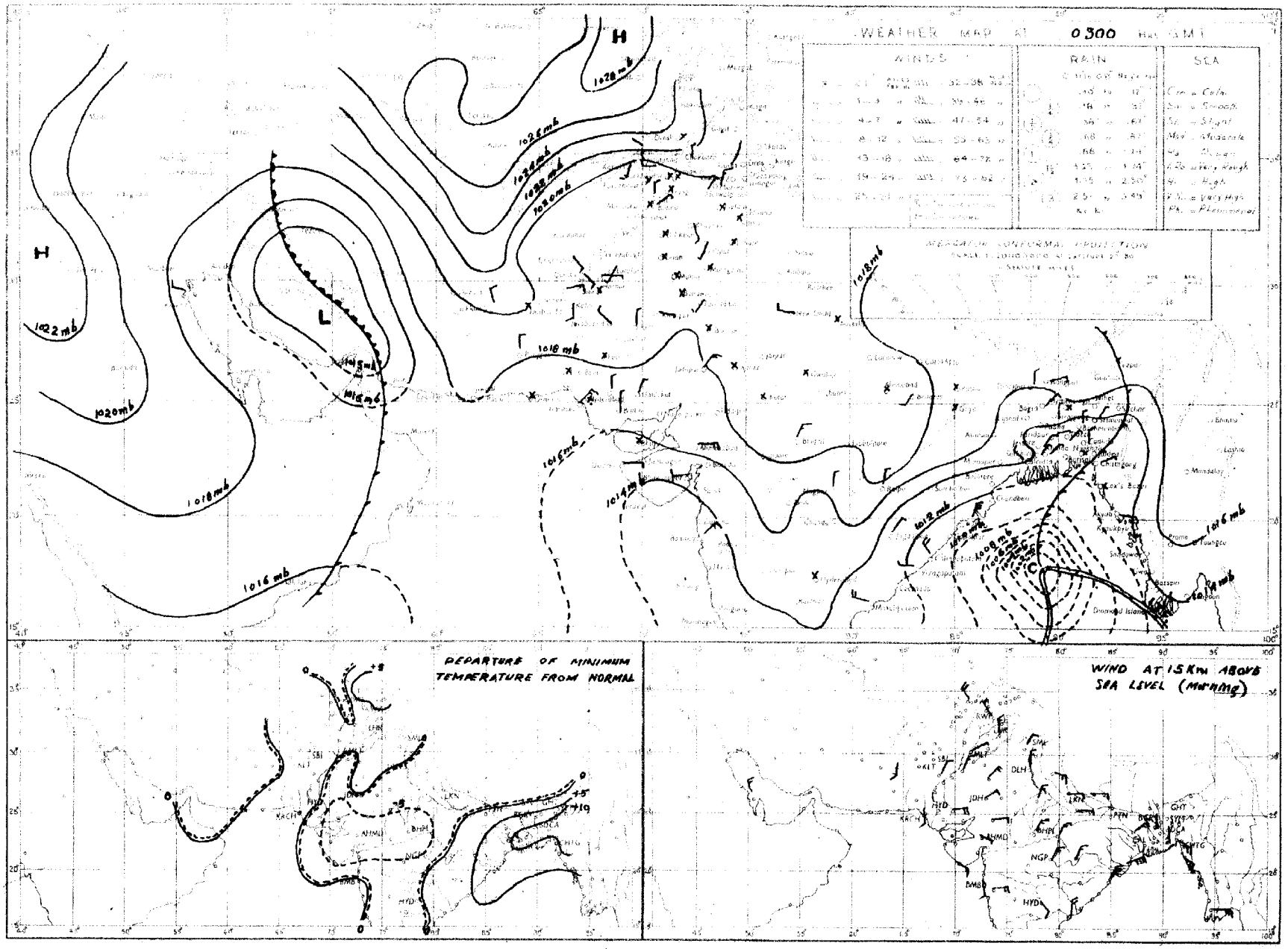
MONDAY 10th. DECEMBER 1951.



Rainfall amounts indicated in the above chart refer to past 9 hours

PAKISTAN DAILY WEATHER MAP

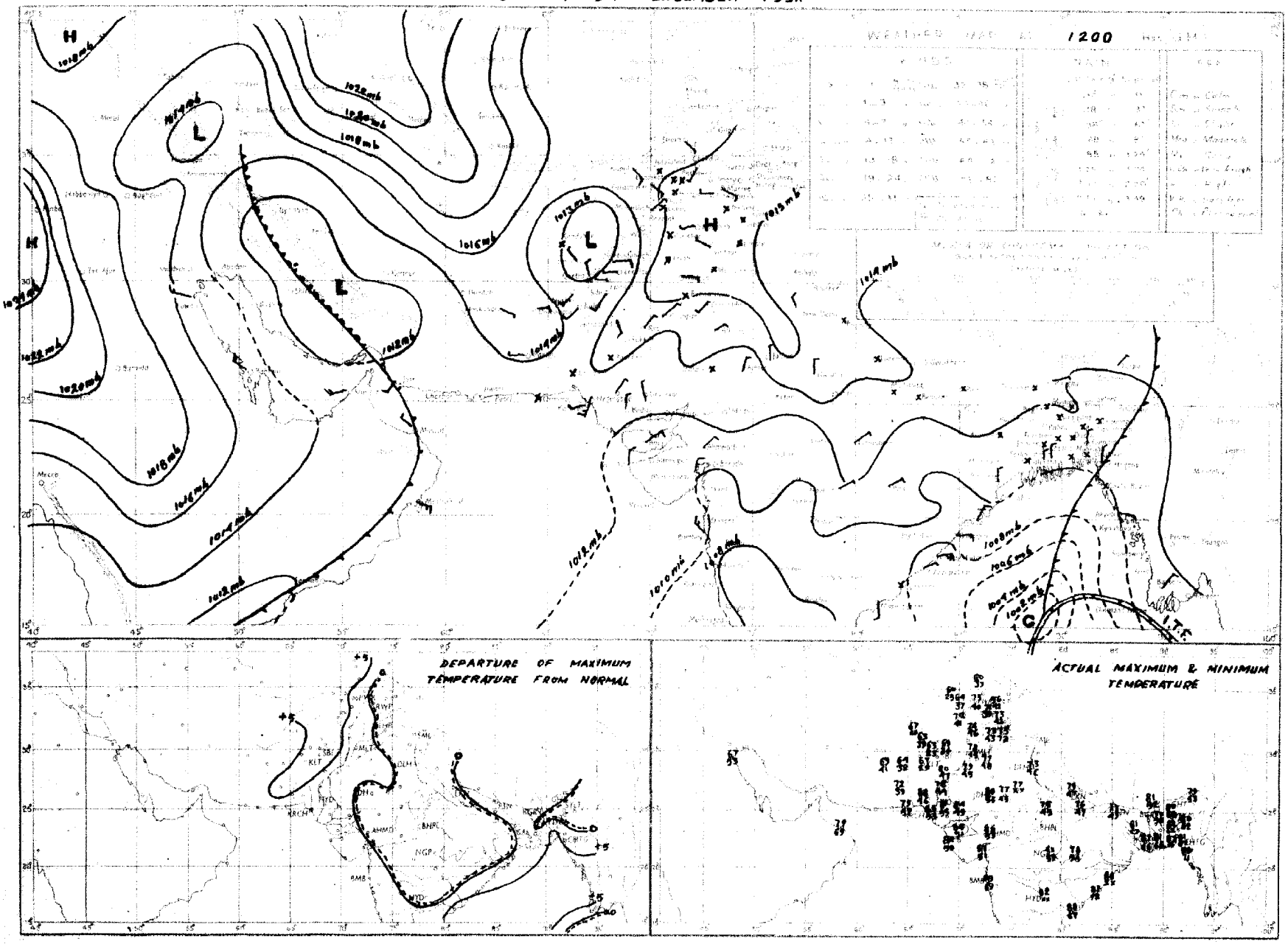
MONDAY 10th DECEMBER 1951.



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

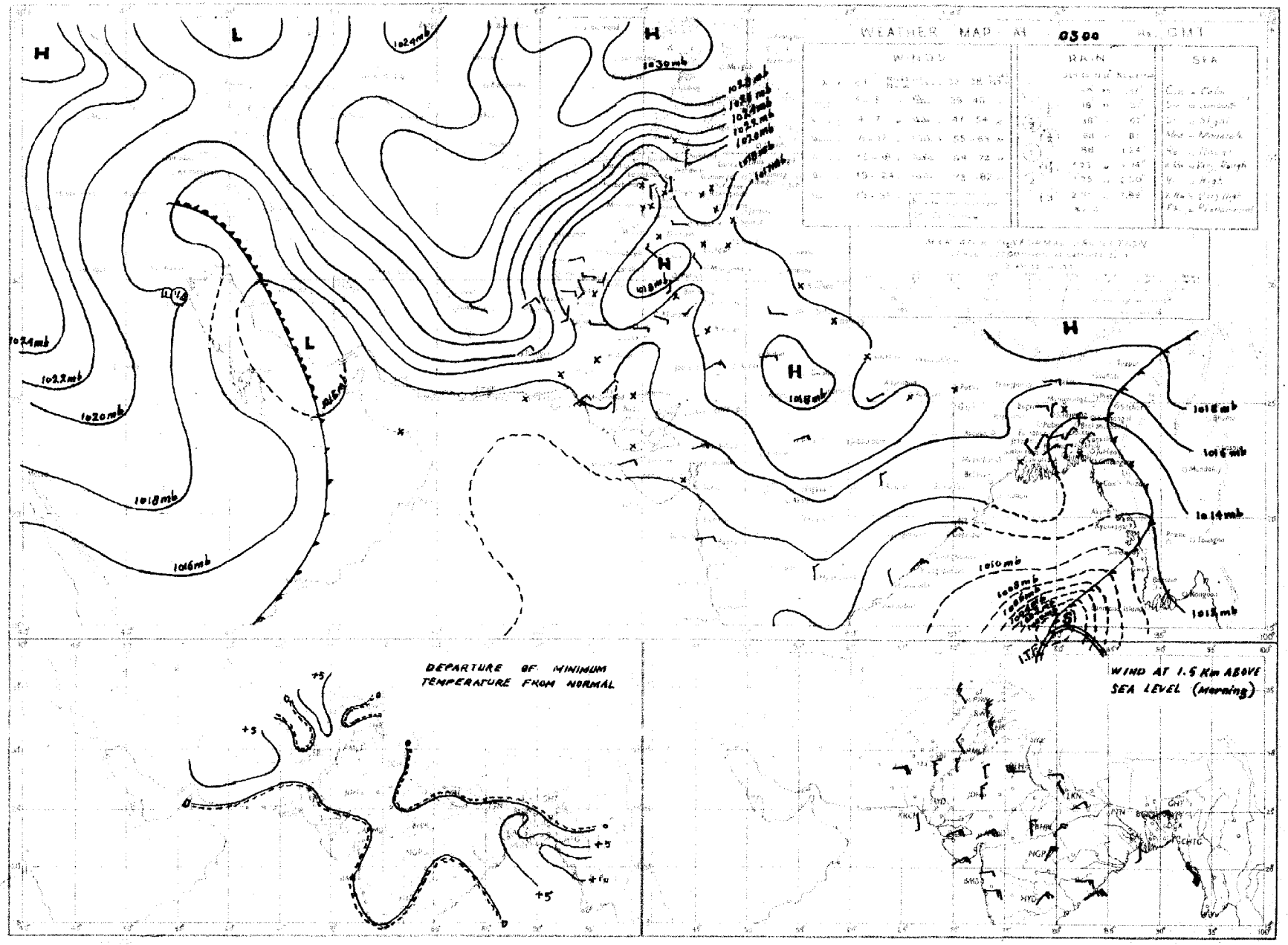
SUNDAY 9th. DECEMBER 1951.



Rainfall amounts indicated in the above chart refer to past 9 hours

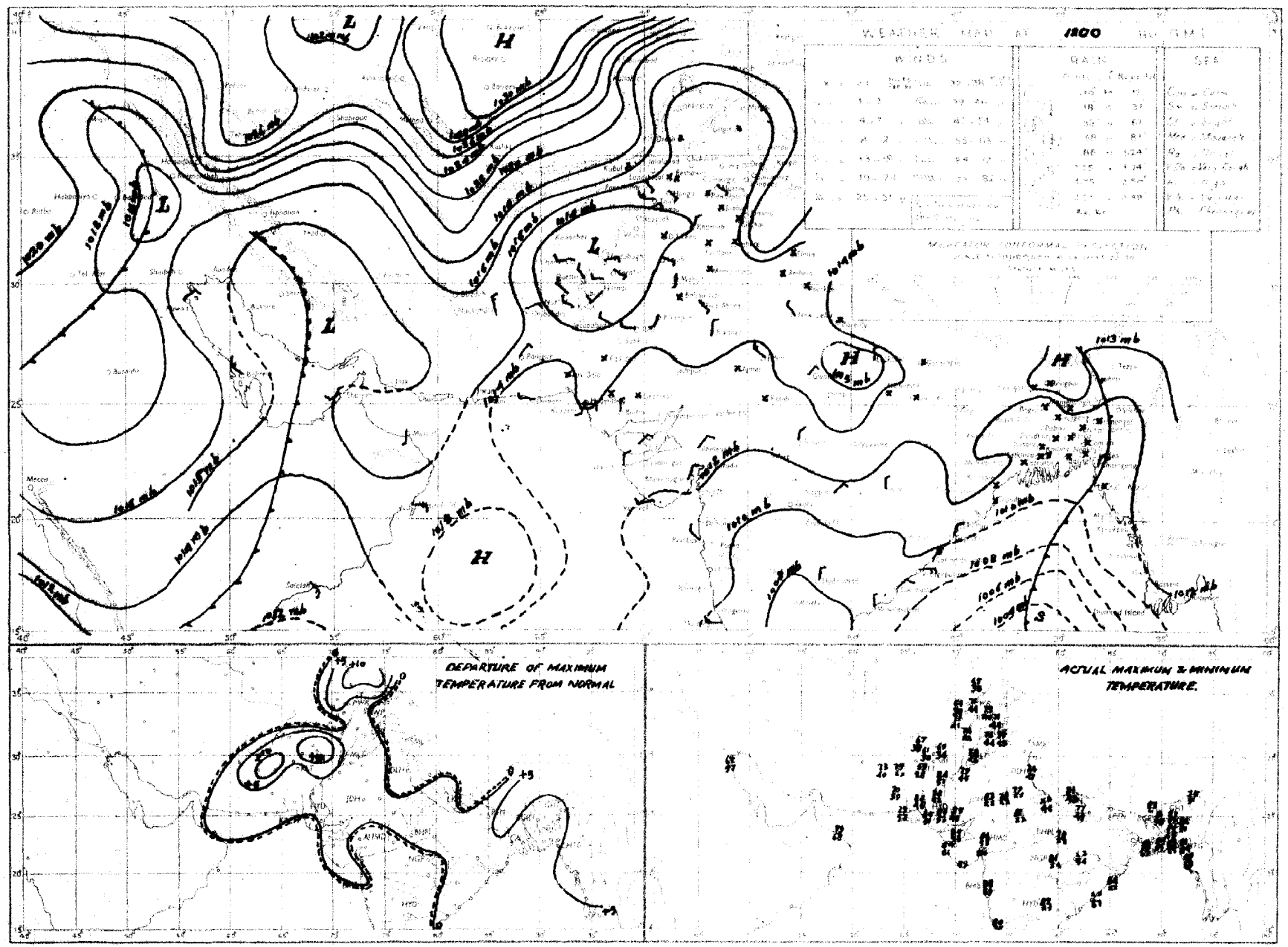
PAKISTAN DAILY WEATHER MAP

SUNDAY 9th DECEMBER 1951



PAKISTAN DAILY WEATHER MAP

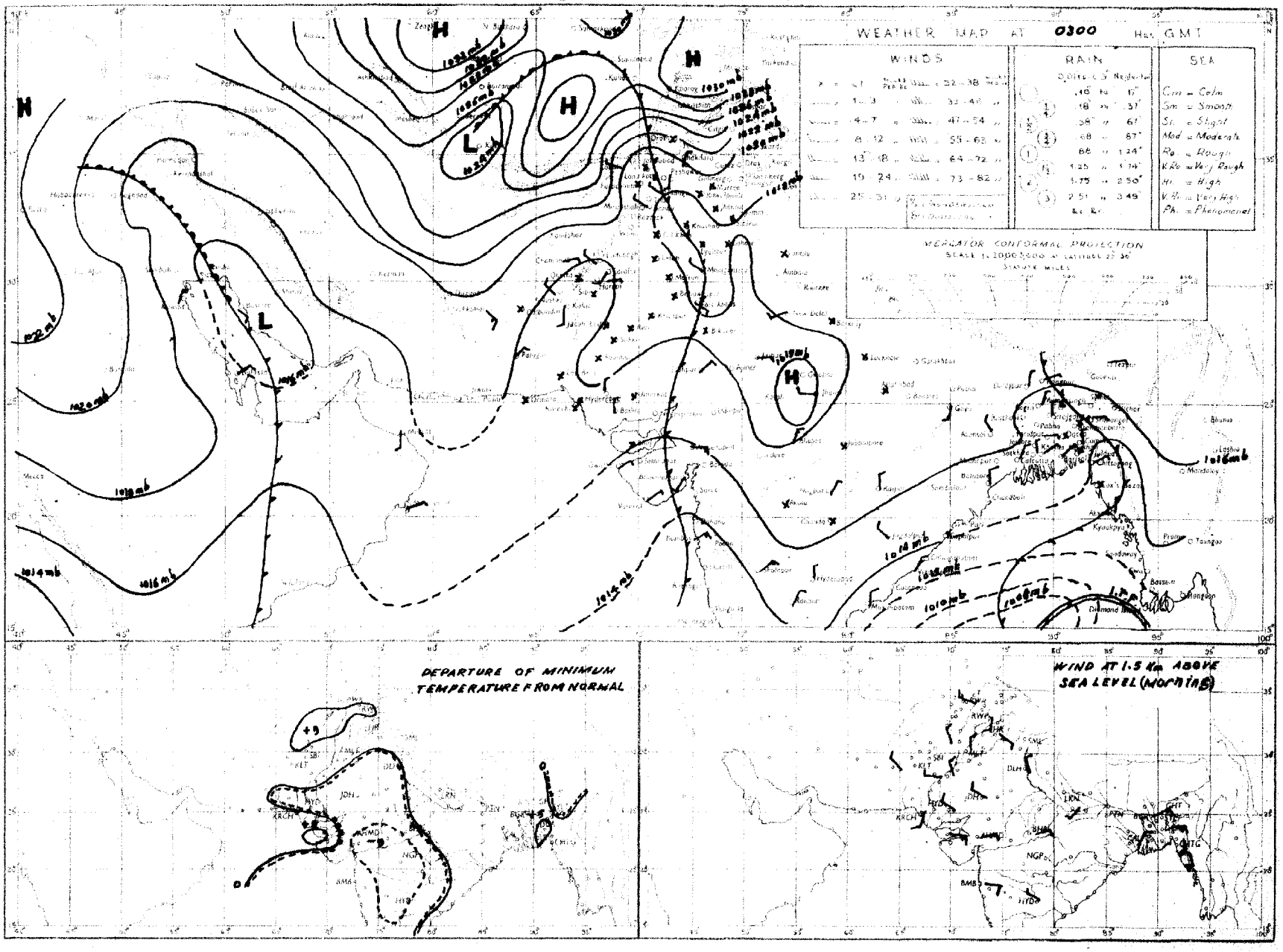
SATURDAY 8th. DECEMBER 1951.



Rainfall amounts indicated in the above chart are in inches

PAKISTAN DAILY WEATHER MAP

SATURDAY 8th DECEMBER 1951

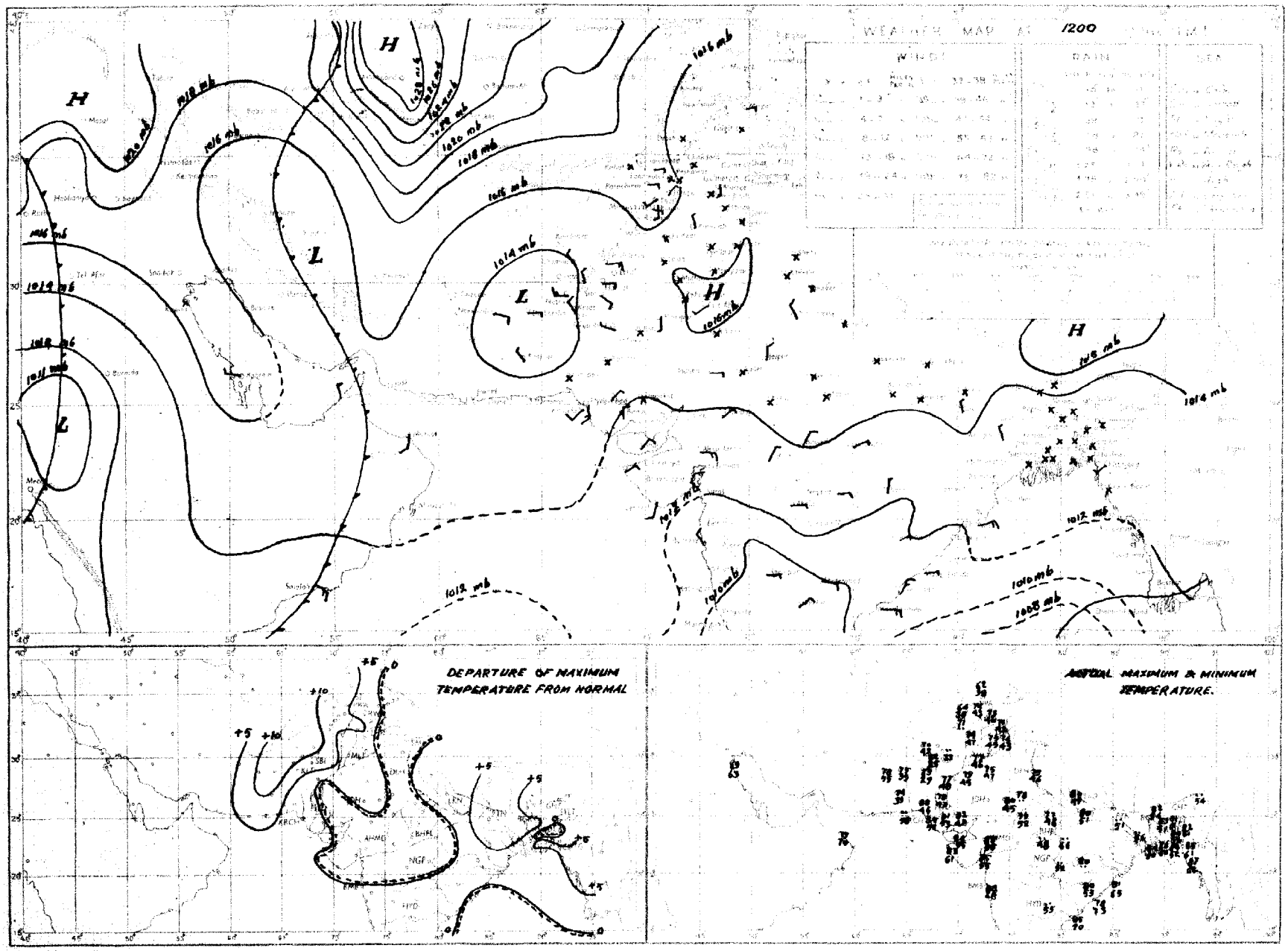


Rainfall amounts indicated in the above chart refer to past 24 hours.

Printed at the Survey of Pakistan Office, Rawalpindi.

PAKISTAN DAILY WEATHER MAP

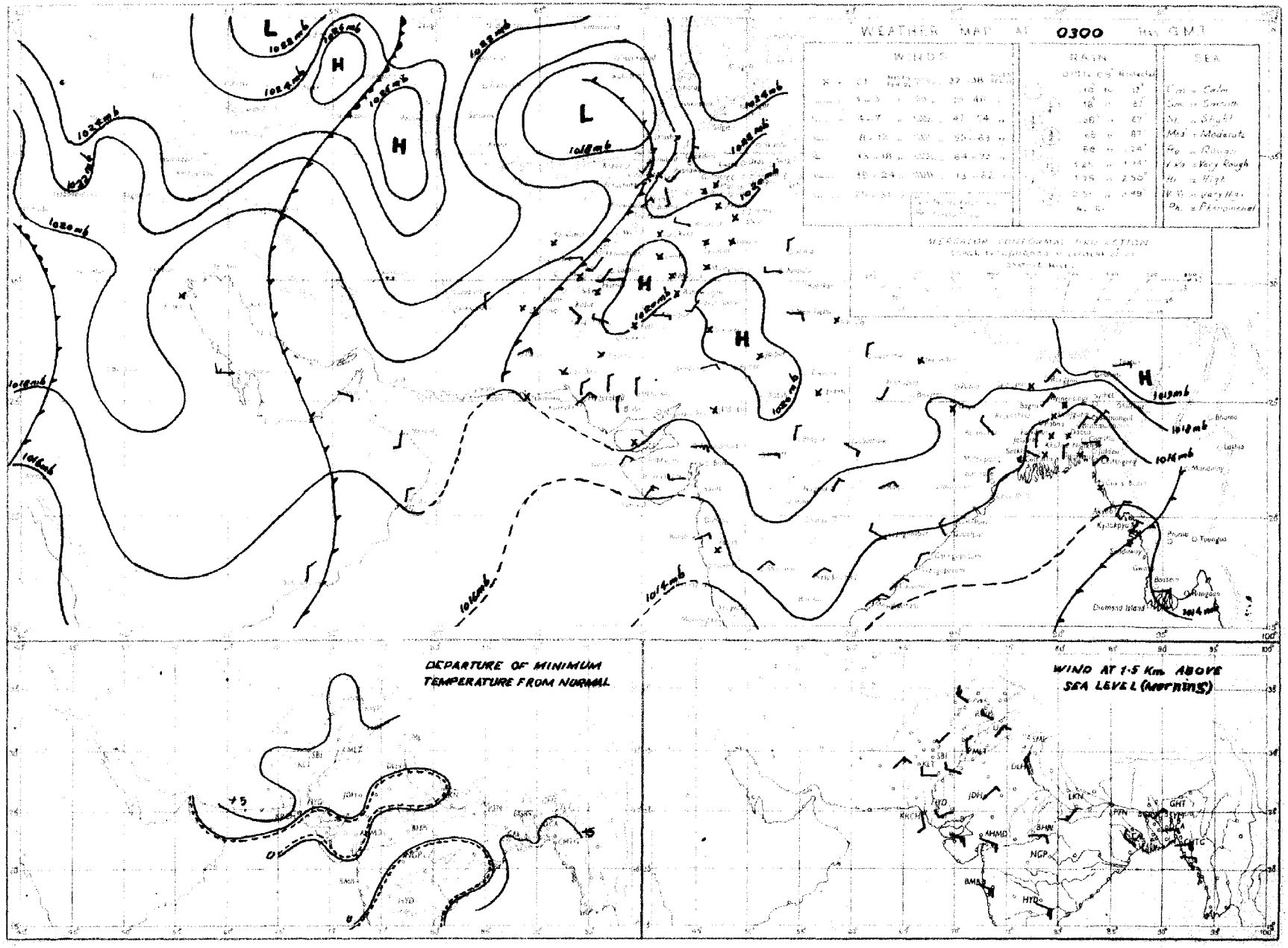
FRIDAY 7th. DECEMBER 1951.



Rainfall amounts indicated in the above chart refer to past 9 hours

PAKISTAN DAILY WEATHER MAP

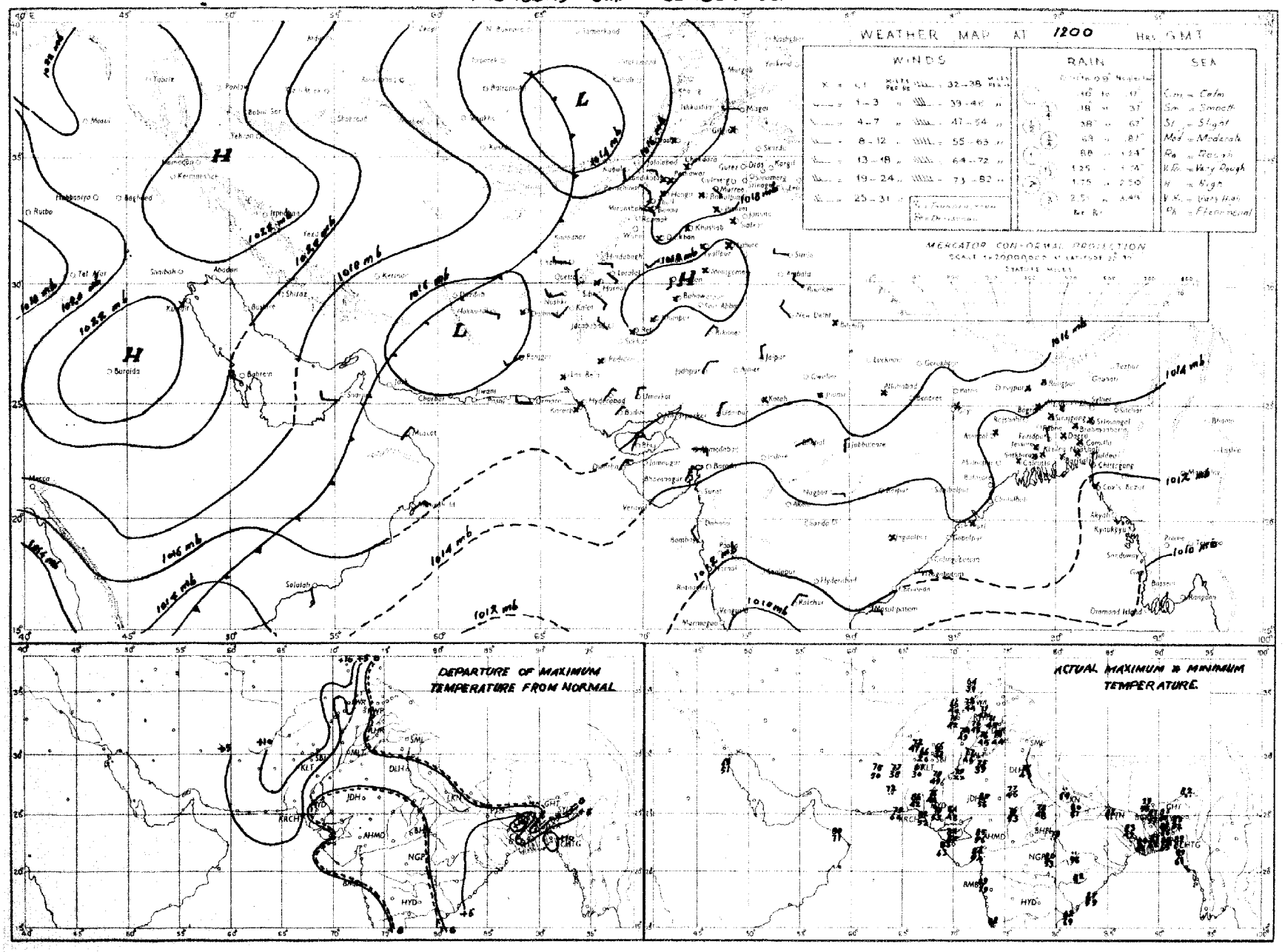
FRIDAY 7th: DECEMBER 1951



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

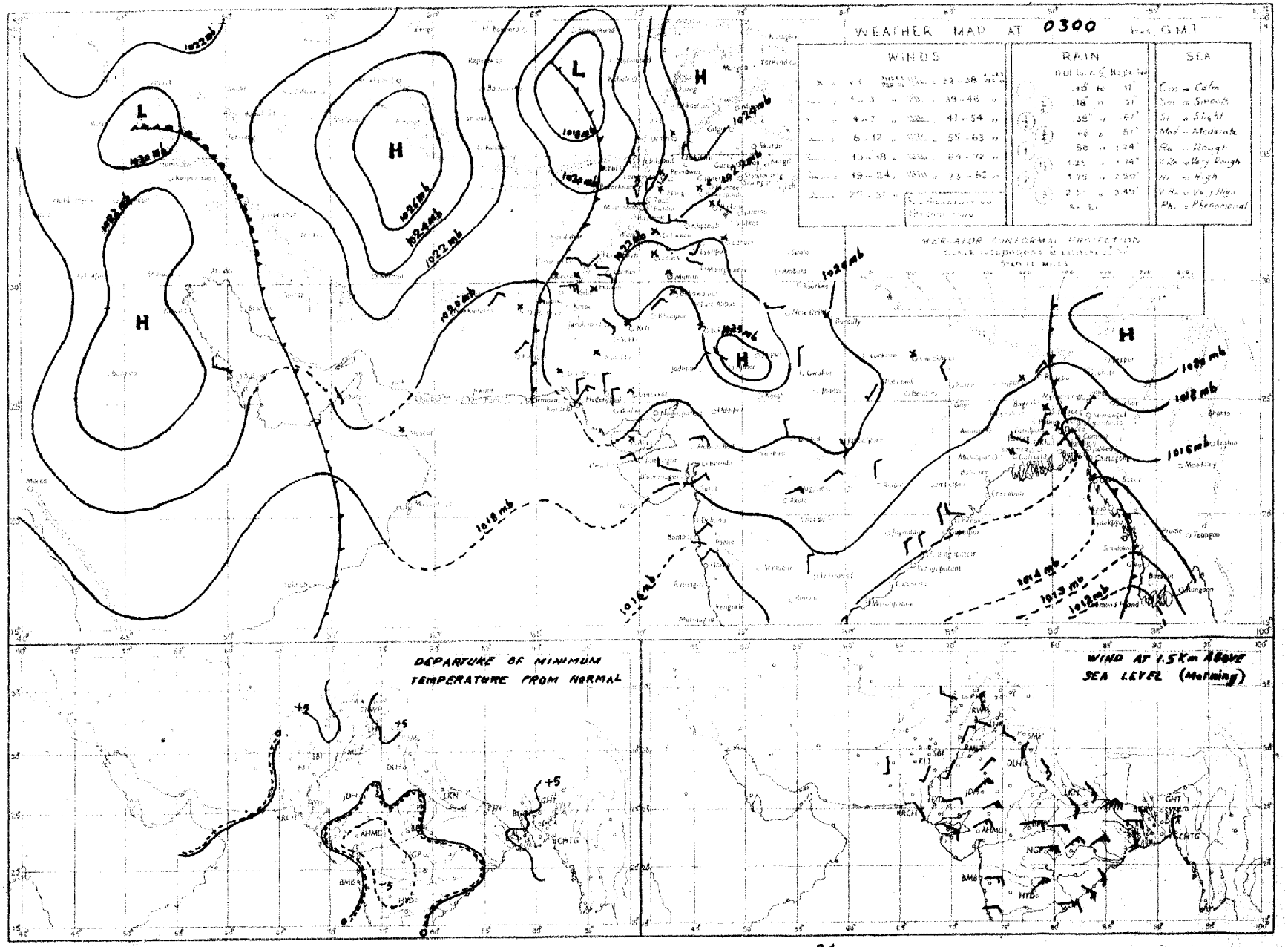
THURSDAY 6th. DECEMBER 1951.



Rainfall amounts indicated in the above chart refer to past 9 hours

PAKISTAN DAILY WEATHER MAP

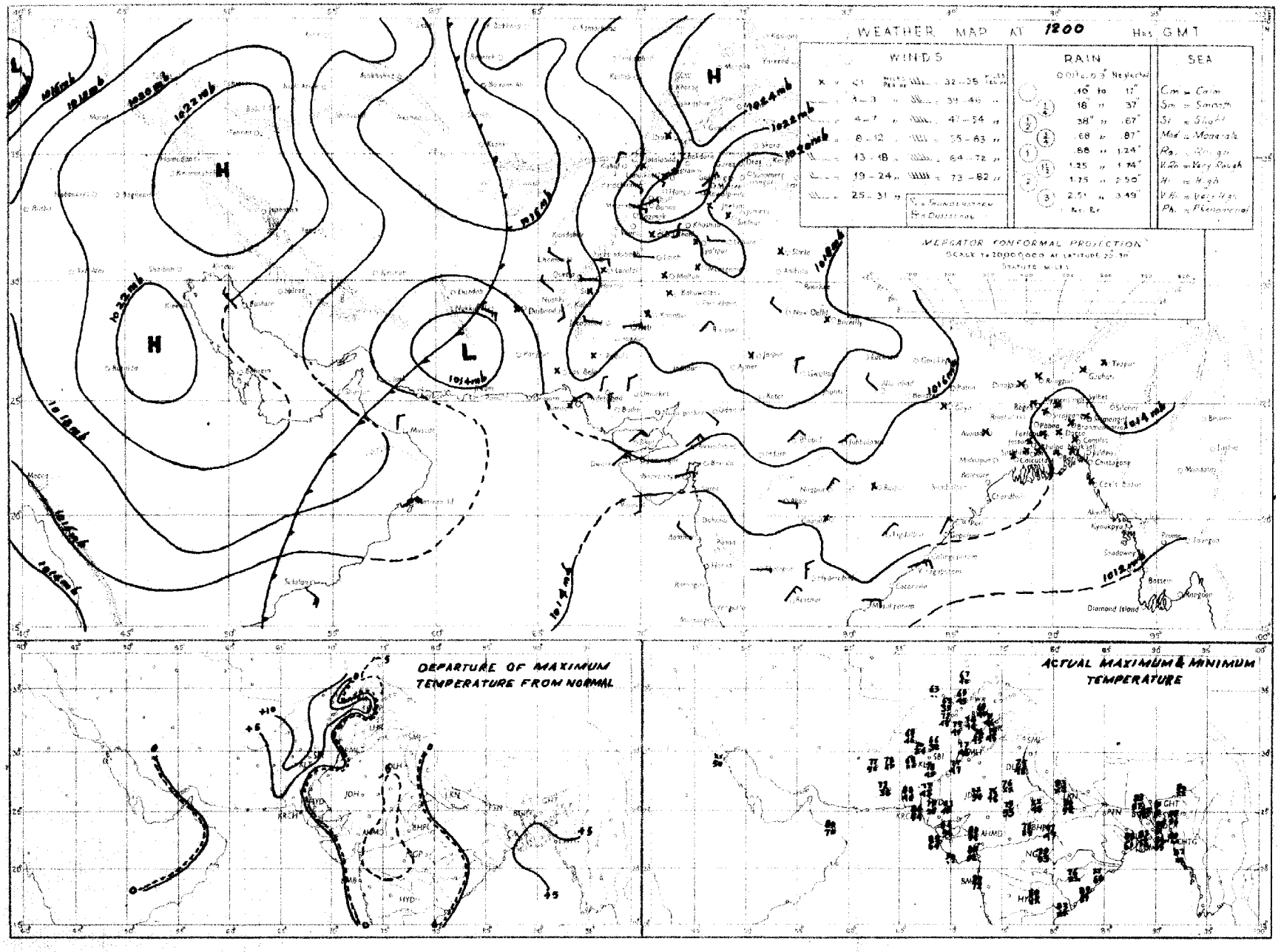
THURSDAY 6th. DECEMBER 1951



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

WEDNESDAY 5th: DECEMBER 1951



Rainfall amounts indicated in the above chart refer to past 9 hours

Regd. No. S-1451.

WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G. M. T. on Wednesday, the 19th December, 1951.

—o:O:o—

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WEATHER BUREAU

SUMMARY OF WEATHER.

The deep depression in the north Bay of Bengal on the last day of the previous week further weakened into a trough of low by the 13th morning and moved inland across Arakan coast by the next day causing ½" of rain at Cox's Bazar on the 13th and 16th and ¼" at Chittagong on the 15th.

Two feeble western disturbances moved across north Baluchistan, the North-West Frontier Province and Kashmir during the week causing cloudy weather over there.

In East Pakistan night temperatures were markedly to considerably above normal on the 13th and 14th and appreciably to markedly so on the 15th. They were appreciably to markedly above normal in West Pakistan outside the Punjab on the 18th and 19th.

2. EAST PAKISTAN: A few falls were recorded in the Eastern sub-division on the 13th, 15th and 16th.

KASHMIR: Data not available.

PUNJAB: Weather continued dry.

NORTH-WEST FRONTIER PROVINCE: Weather continued dry.

BALUCHISTAN: Weather continued dry.

SIND: Weather continued dry.

JUNAGADH: Data not available.

3. The week's rainfall was in large excess in the Eastern sub-division of East Pakistan. No rain fell elsewhere.

Rainfall for the period from 1st November 1951 to date was in large excess in the north Punjab and the Northern sub-division of East Pakistan, in excess in the south Punjab and Sind normal in the North-West Frontier Province, deficient in the Eastern and Deltaic sub-division of East Pakistan and scanty in Baluchistan.

4. The table overleaf summarises the rainfall statistics for the eleven sub-divisions of Pakistan both for the week and for the period from 1st November 1951 to date.

KARACHI-11.
The 19th December, 1951

MOHAMMAD SHABBAR,
for Director, Meteorological Service.

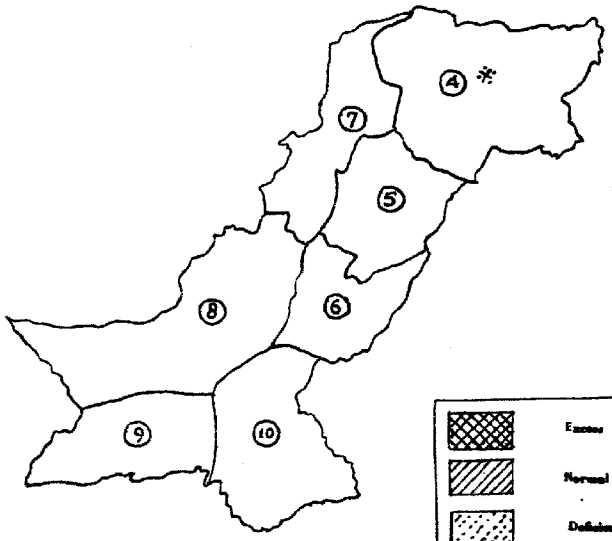
WEEKLY WEATHER REPORT

Division	Rainfall for week ending on 19th December, 1951.			Rainfall for period from 1-11-1951 to 19th December, 1951.			
	Actual †	Normal	Excess or defect	Actual †	Normal	* Excess or defect	
						Inches	Per cent
1	2	3	4	5	6	7	8
1. East Pakistan (East)	0.2	0.1	+0.1	1.3	1.9	− 0.6	− 33
2. East Pakistan (Deltaic)	0	0	0	1.0	1.5	− 0.4	− 29
3. East Pakistan (North)	0	0	0	1.8	0.6	+1.1	+177
4. Kashmir ††	....	....	....	....	....	....	...
5. North Punjab	0	0.2	− 0.2	1.3	0.4	+0.8	+193
6. South Punjab	0	0.1	− 0.1	0.3	0.3	+0.1	+ 55
7. N. W. F. P.	0	0.1	− 0.1	0.4	0.4	0	+ 5
8. North Baluchistan	0	0.2	− 0.2	0.1	0.7	− 0.6	− 89
9. South Baluchistan	0	0.2	− 0.2	0.2	0.6	− 0.4	− 70
10. Sind	0	0.1	− 0.1	0.2	0.2	+0.1	+ 28
11. Junagadh ††	....	....	....	....	....	....	....

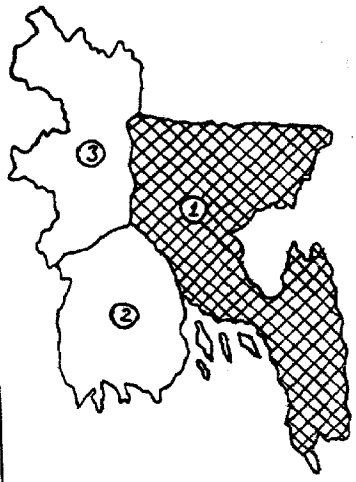
* In the calculation of excesses and defects, and their percentages, rainfall figures are taken correct to 0·01".

† Rainfall of stations having no normals is not included.

†† Data not available.



RAINFALL FOR THE WEEK ENDING 19-12-1951



Excess + 20 % or more

Normal + 19% to − 19 %

Deficient − 20% to − 59 %

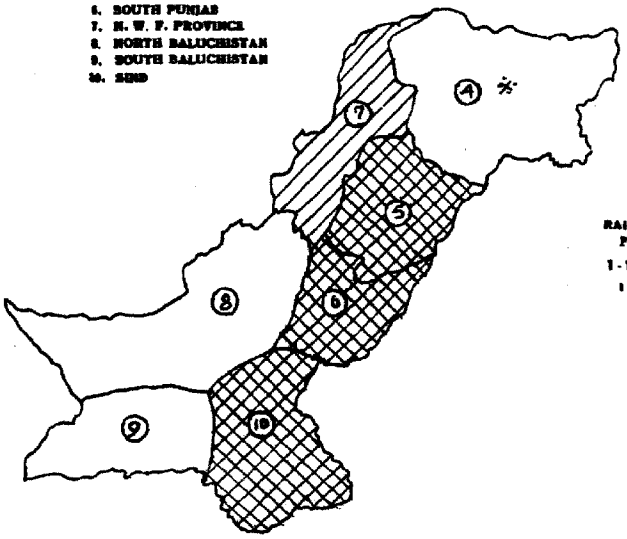
Scanty − 60 % or less

WEST PAKISTAN

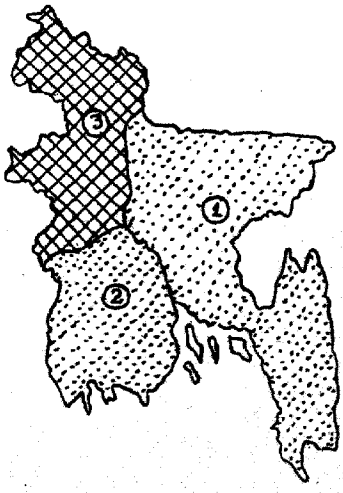
4. KASHMIR
5. NORTH PUNJAB
6. SOUTH PUNJAB
7. N. W. F. PROVINCE
8. NORTH BALUCHISTAN
9. SOUTH BALUCHISTAN
10. SIND

EAST PAKISTAN

1. EAST PAKISTAN (EAST)
2. EAST PAKISTAN (DELTAIC)
3. EAST PAKISTAN (NORTH)



RAINFALL FOR THE PERIOD FROM 1-11-1951 TO 19-12-1951



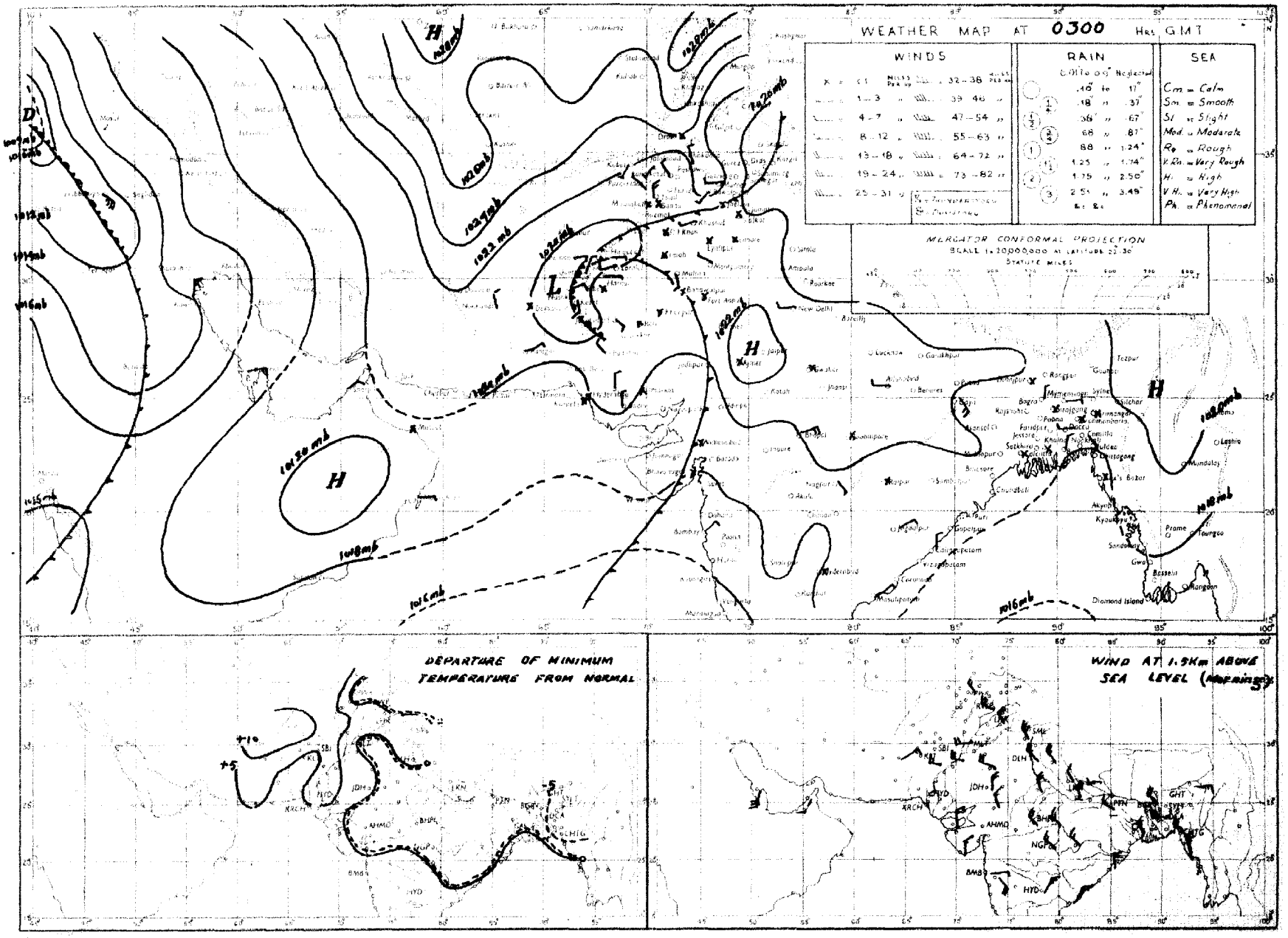
SCALE—250 MILES=1"

SCALE—250 MILES=1"

* Data not available.

PAKISTAN DAILY WEATHER MAP

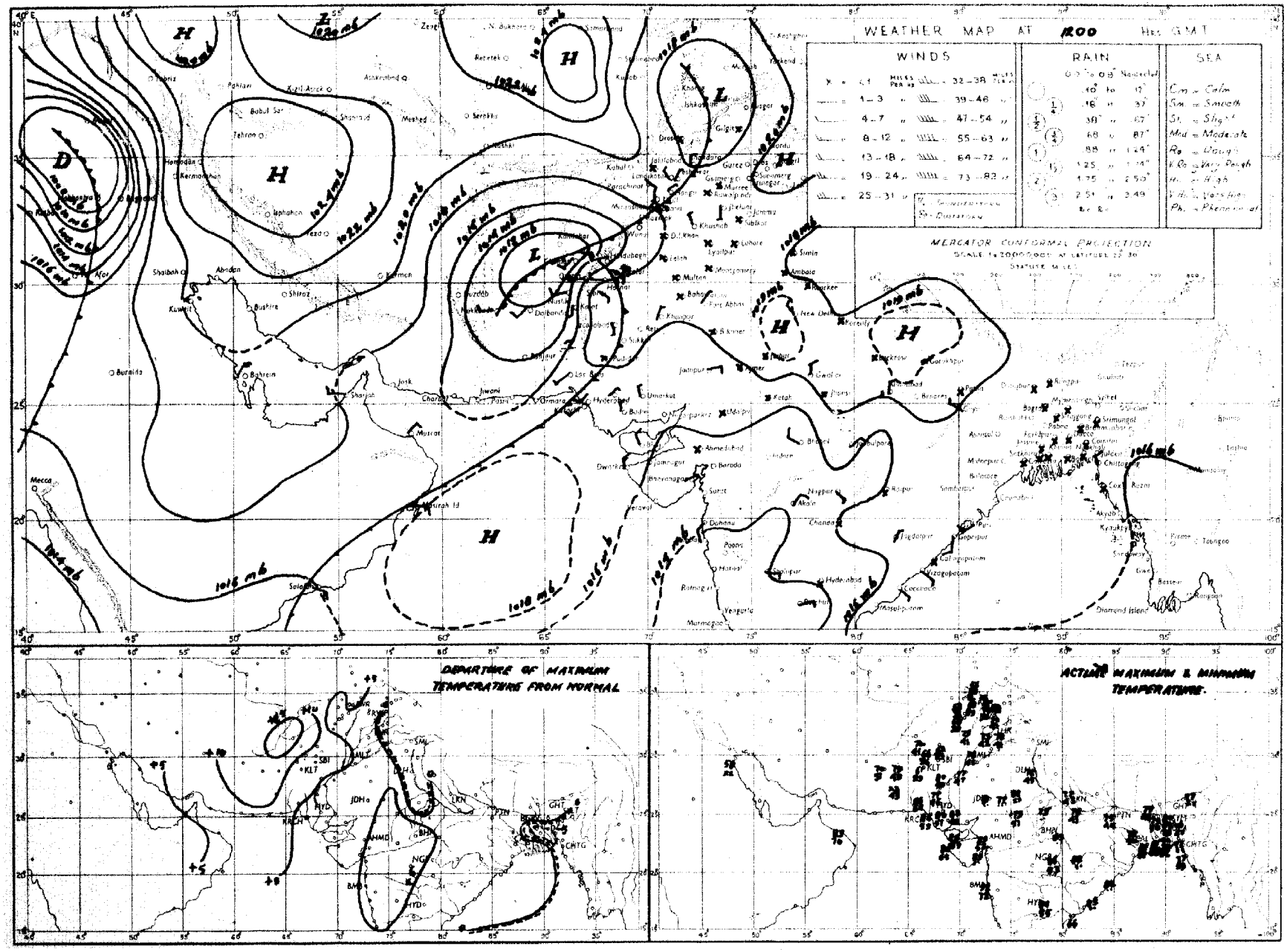
WEDNESDAY 19th. DECEMBER 1951.



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

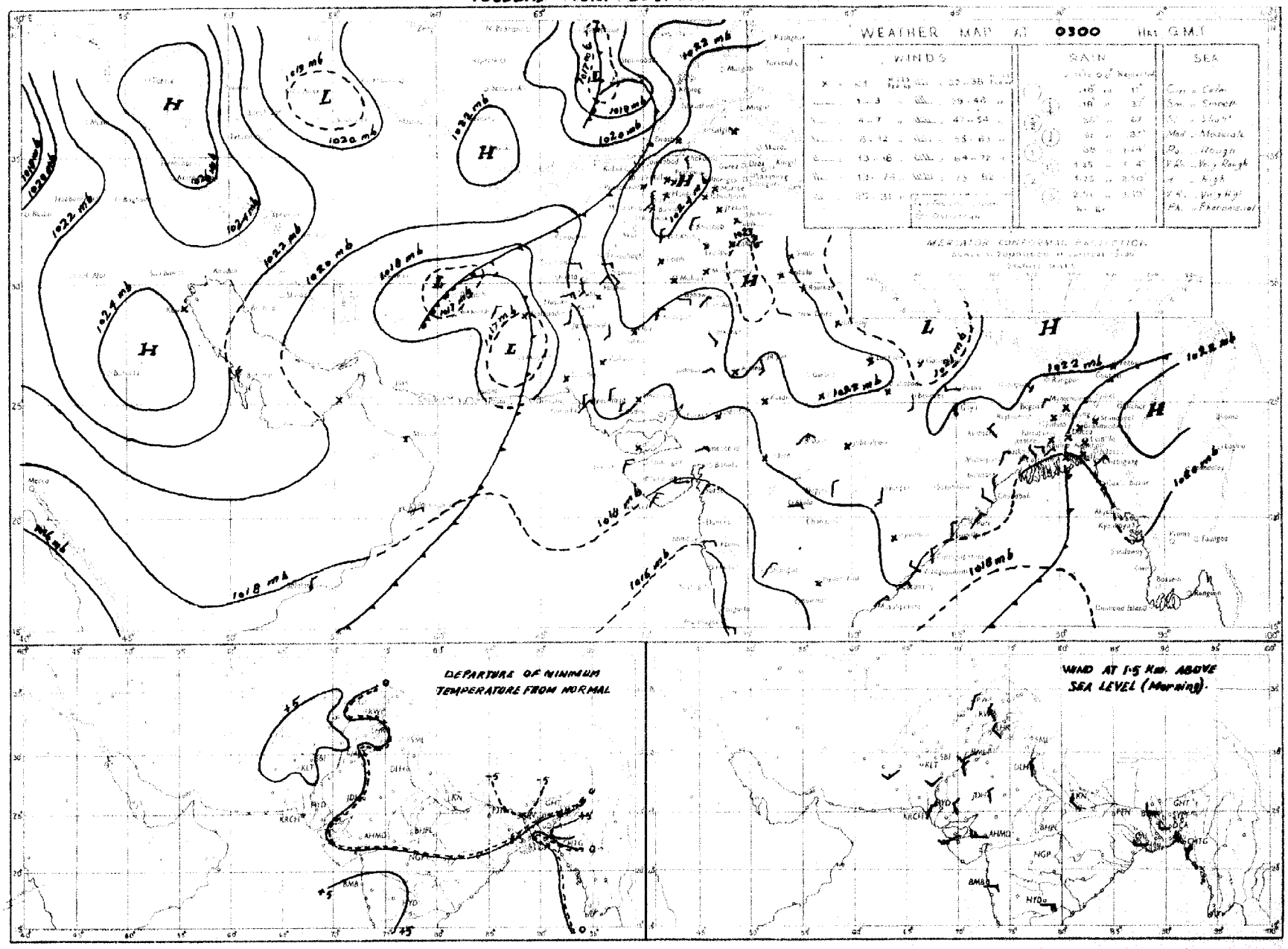
TUESDAY 18th. DECEMBER 1951.



Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER MAP

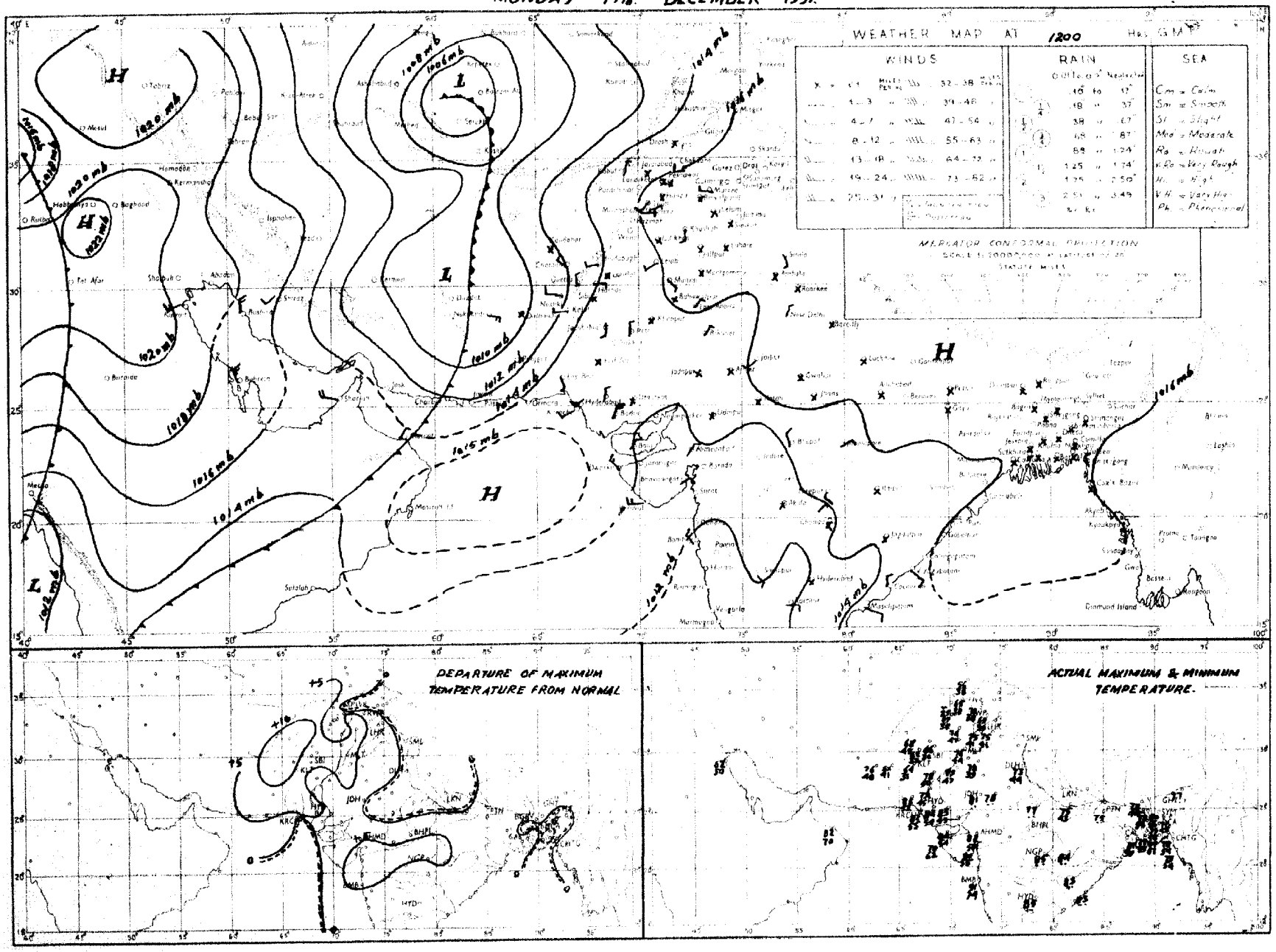
TUESDAY 18th. DECEMBER 1951.



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

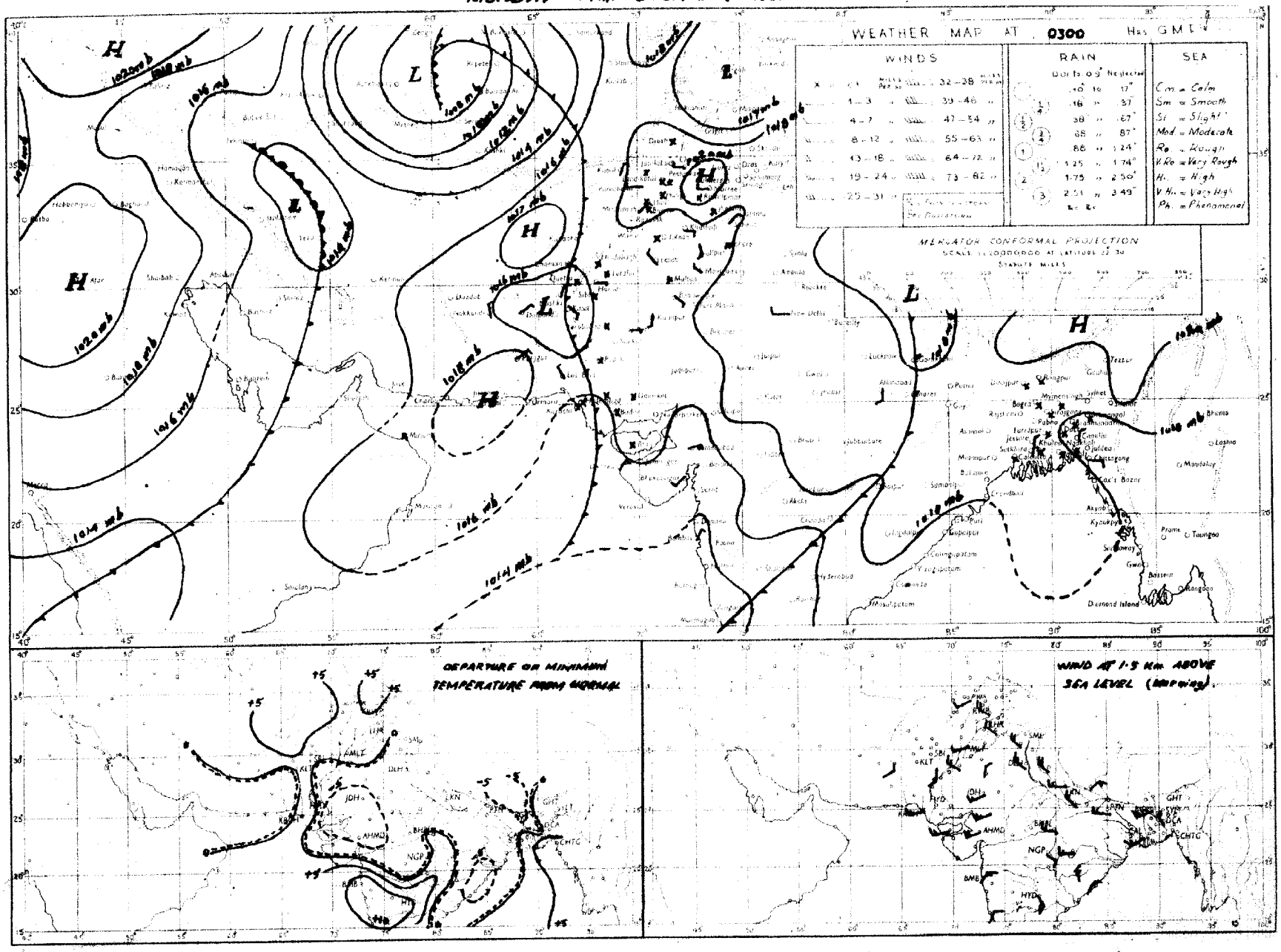
MONDAY 17th. DECEMBER 1951.



Rainfall amounts indicated in the above chart refer to past 9 hours

PAKISTAN DAILY WEATHER MAP

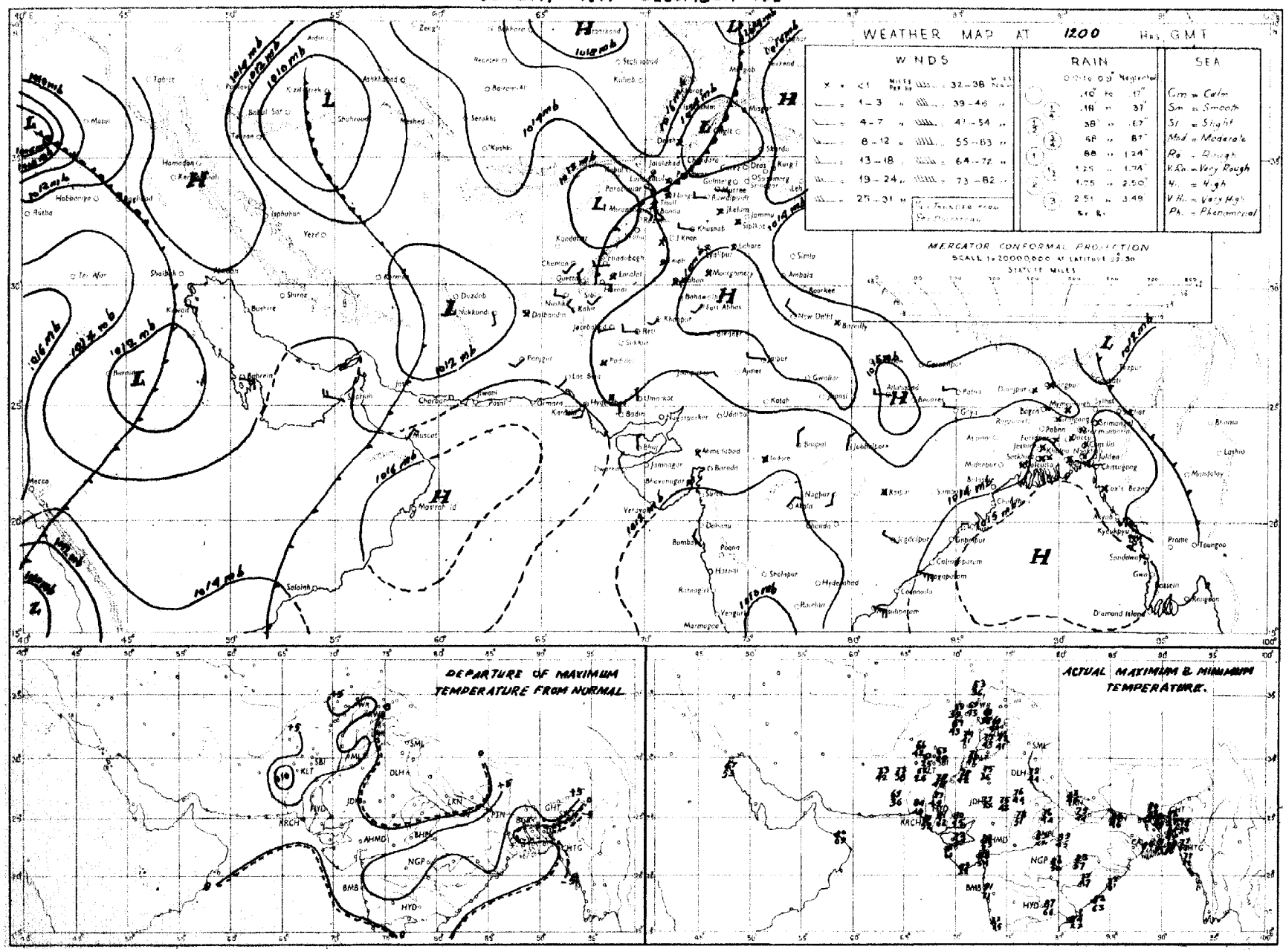
MONDAY 17th. DECEMBER 1951.



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

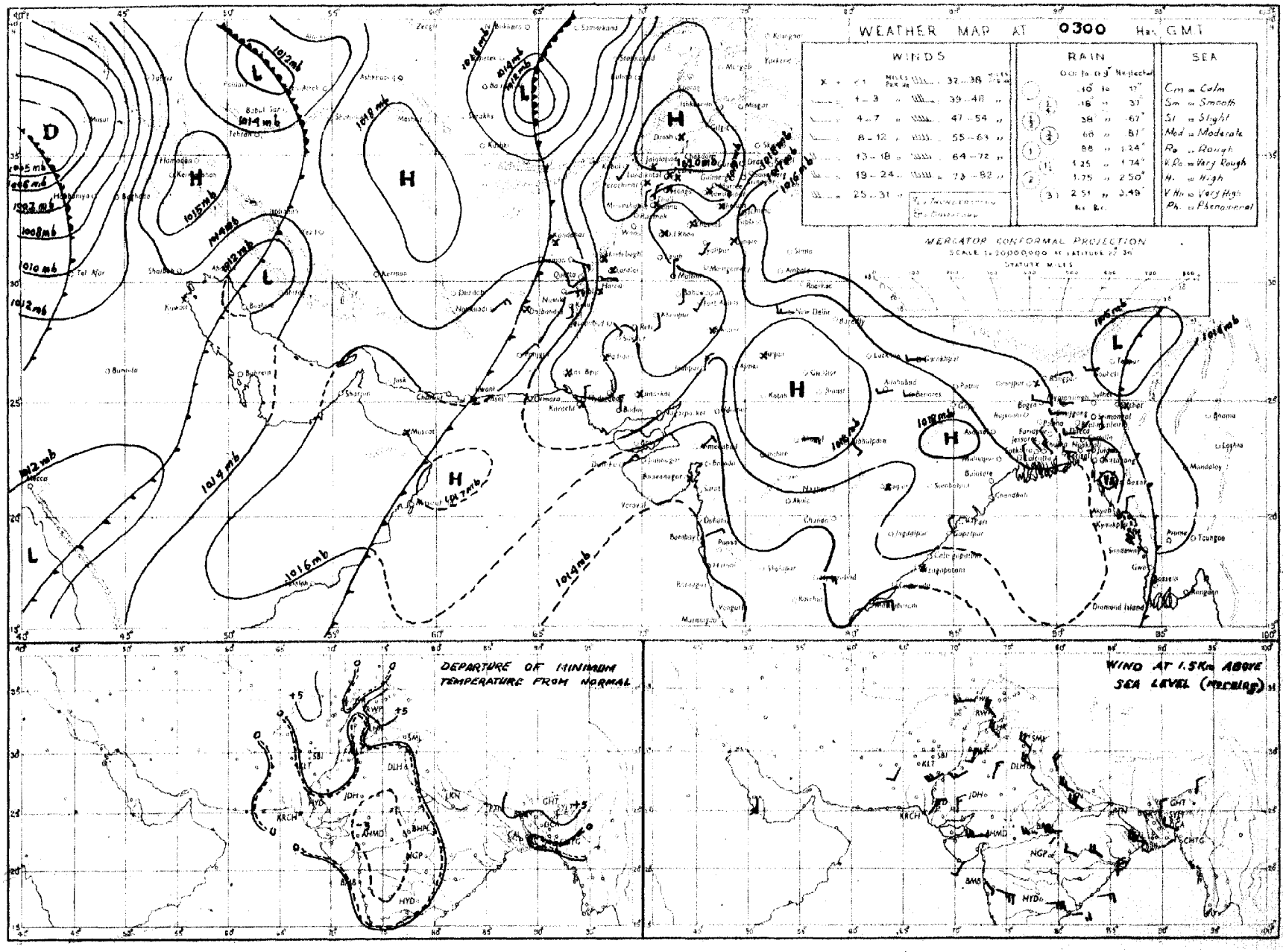
SUNDAY 16th. DECEMBER 1951.



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

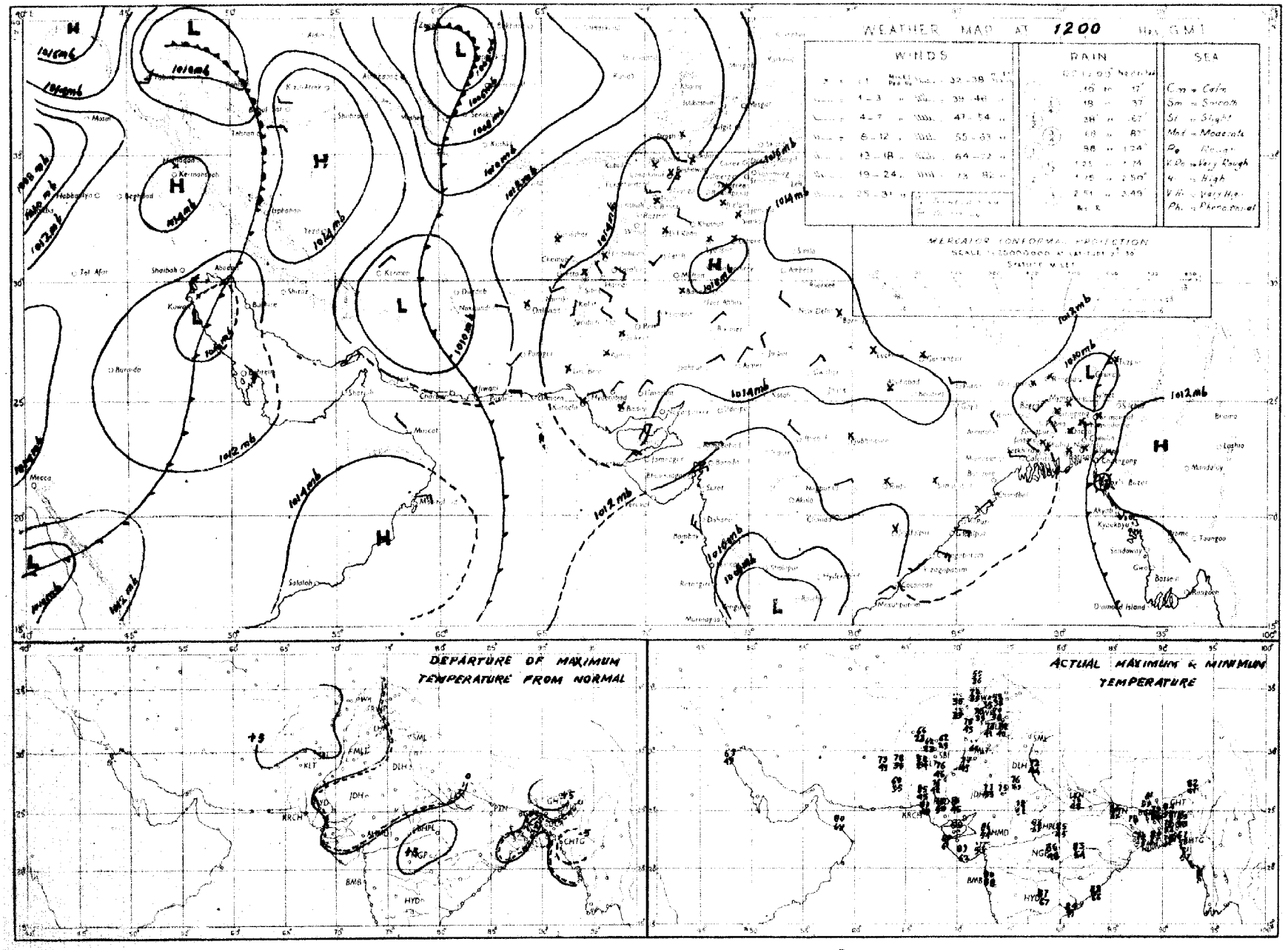
SUNDAY 16th DECEMBER 1951.



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

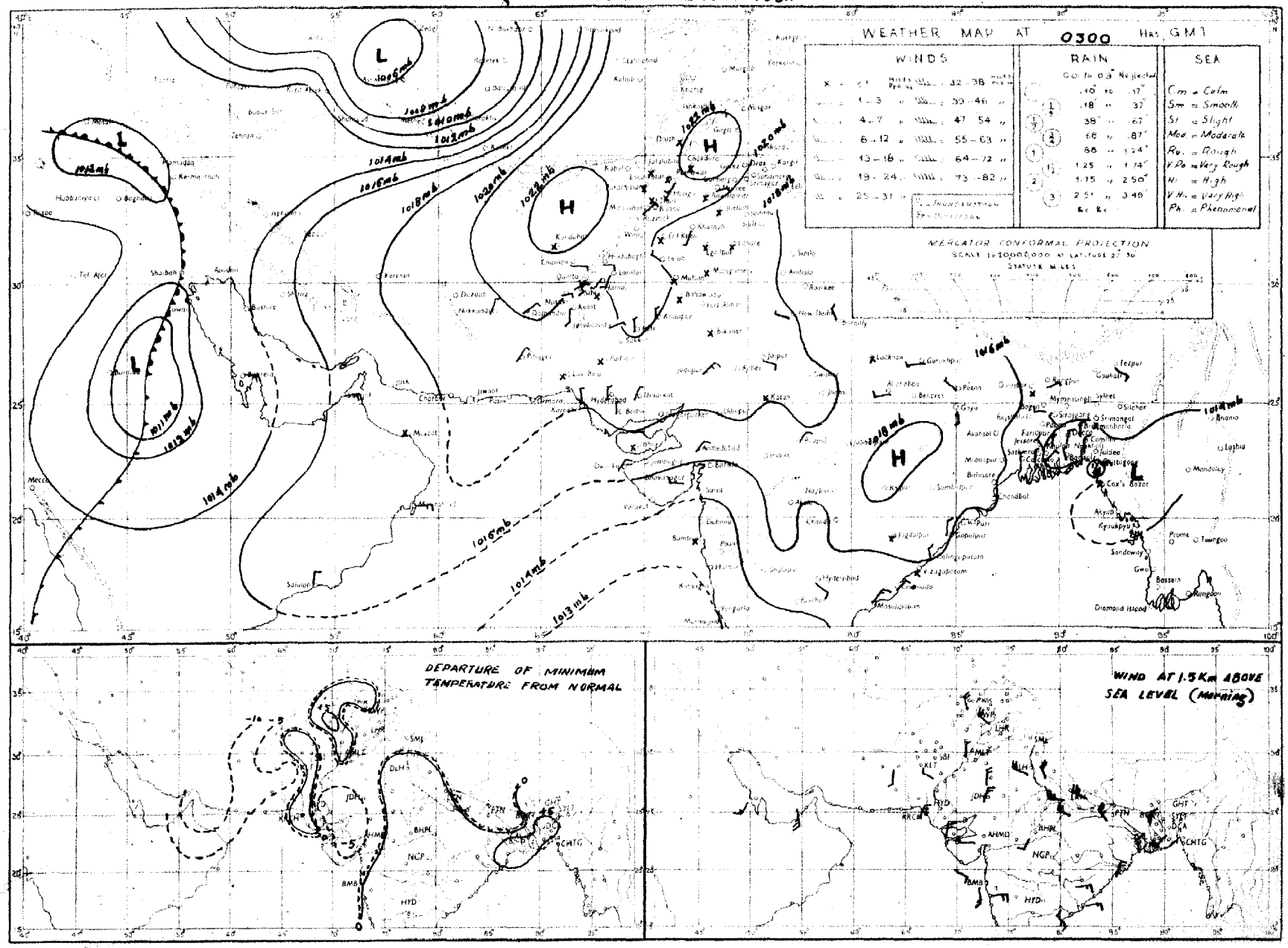
SATURDAY 15th DECEMBER 1951



Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER MAP

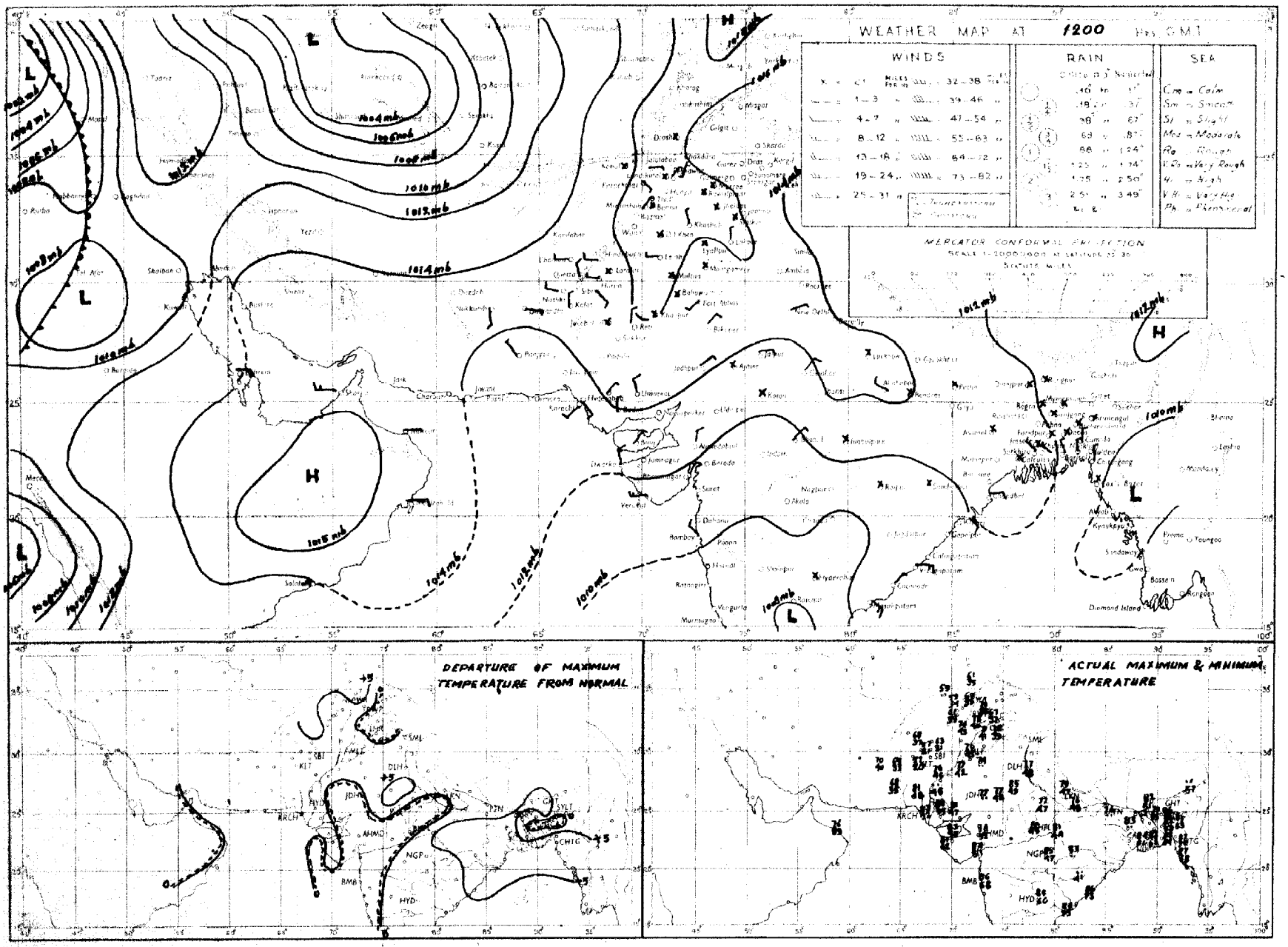
SATURDAY 15th DECEMBER 1951.



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

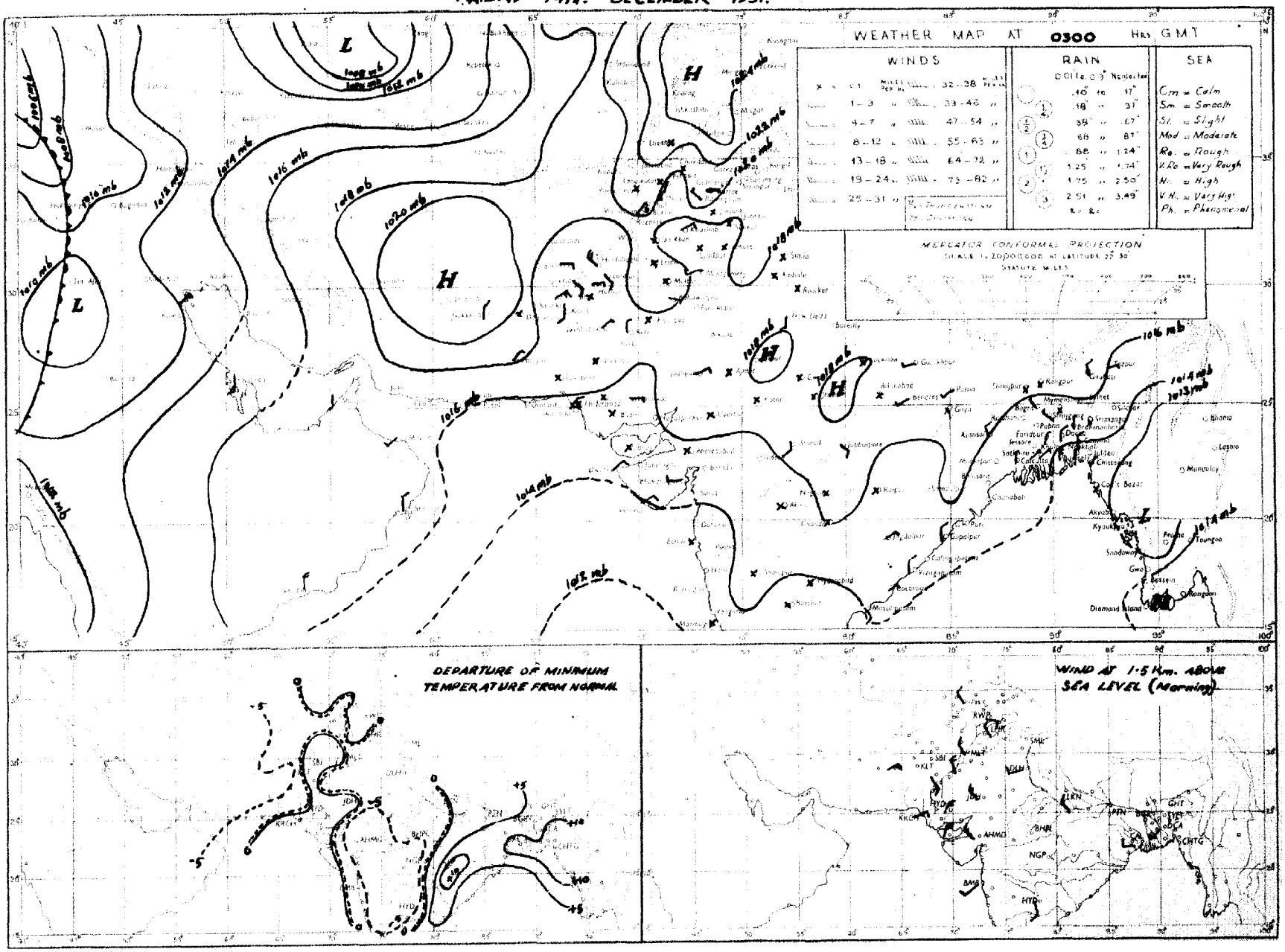
FRIDAY 14th: DECEMBER 1951.



Rainfall amounts indicated in the above chart refer to past 8 hours.

PAKISTAN DAILY WEATHER MAP

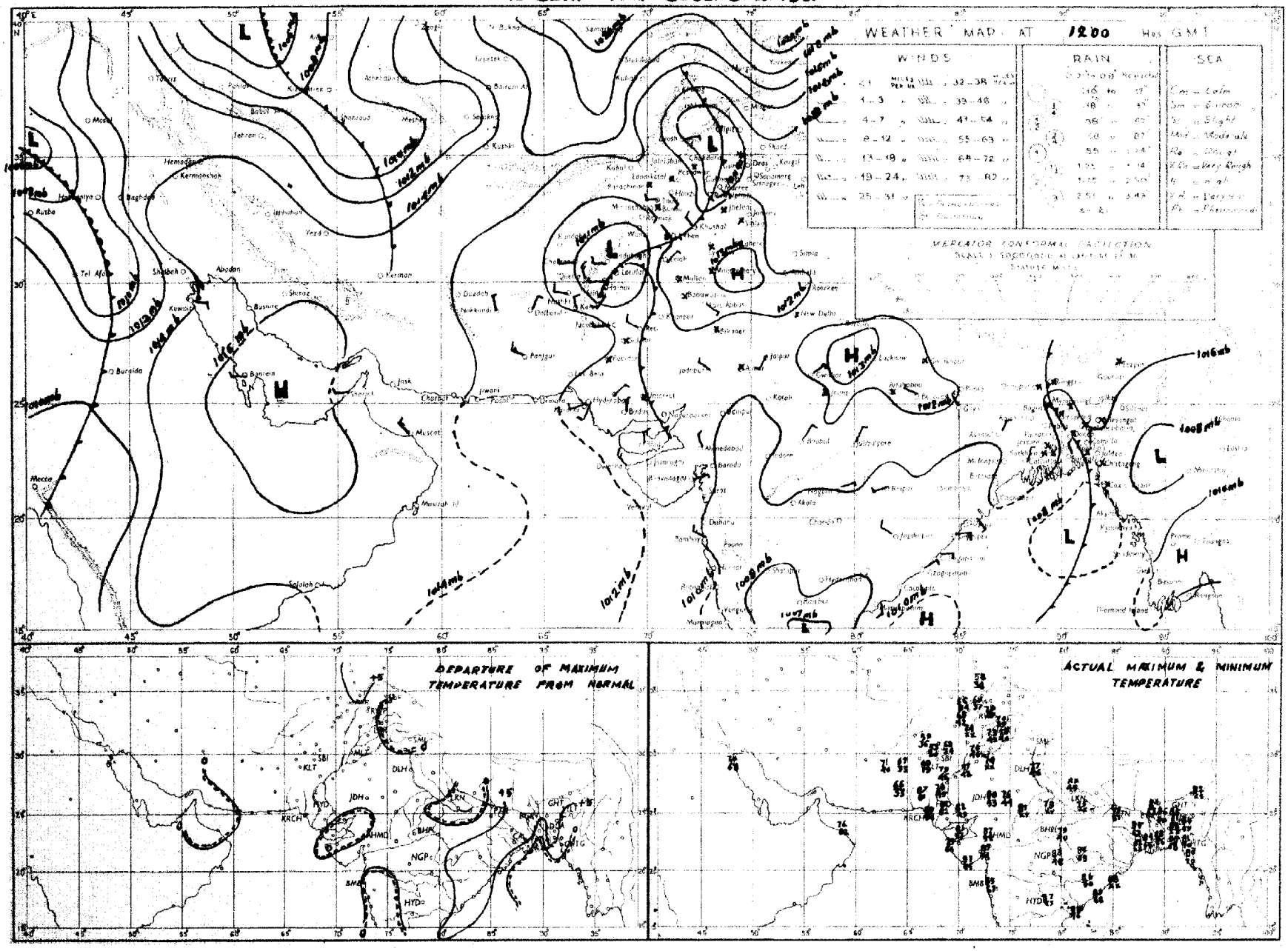
FRIDAY 14th. DECEMBER 1951.



Rainfall amounts indicated in the above chart refer to past 24 hours

PAKISTAN DAILY WEATHER MAP

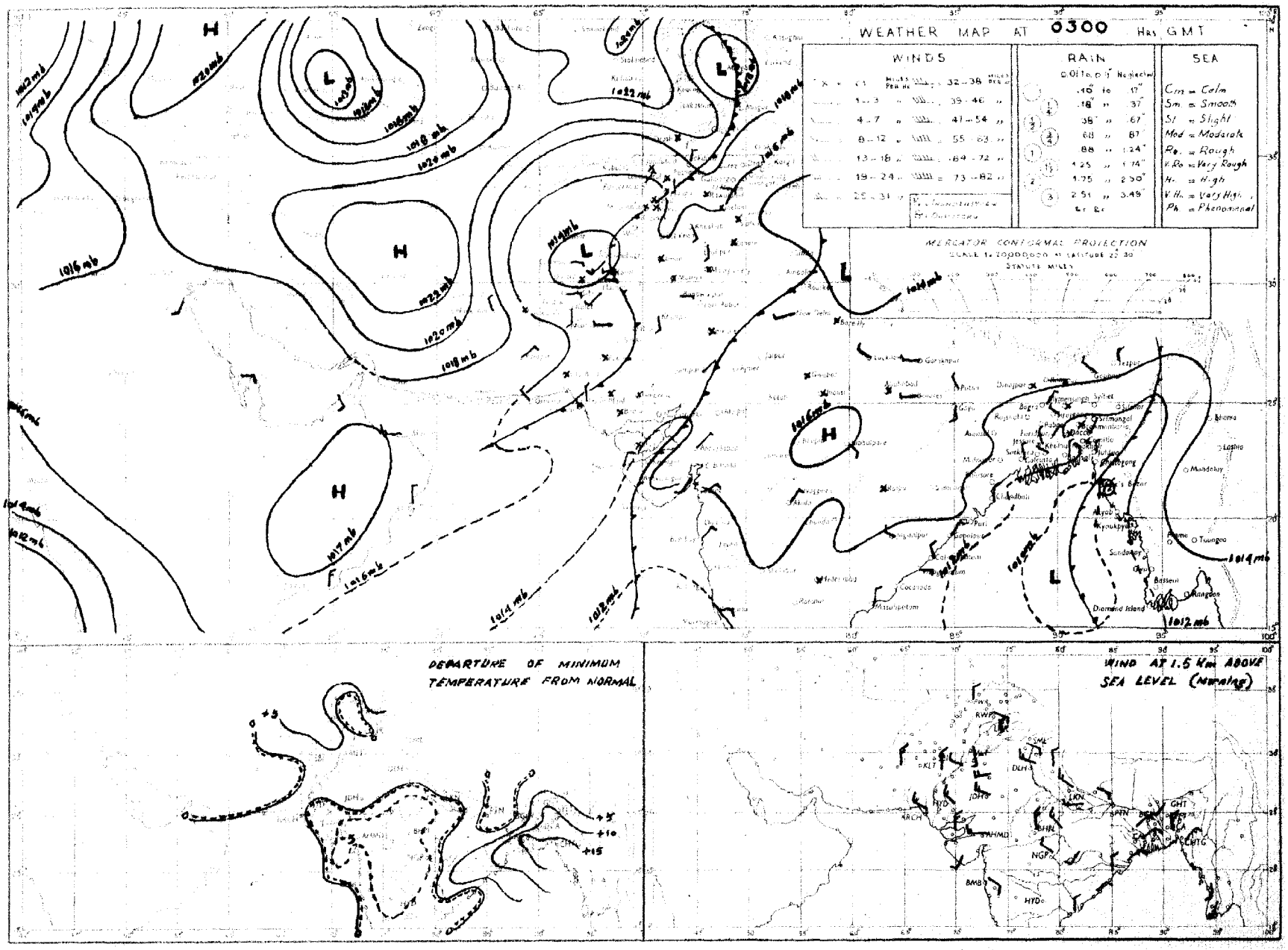
THURSDAY 13th DECEMBER 1951.



Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER MAI

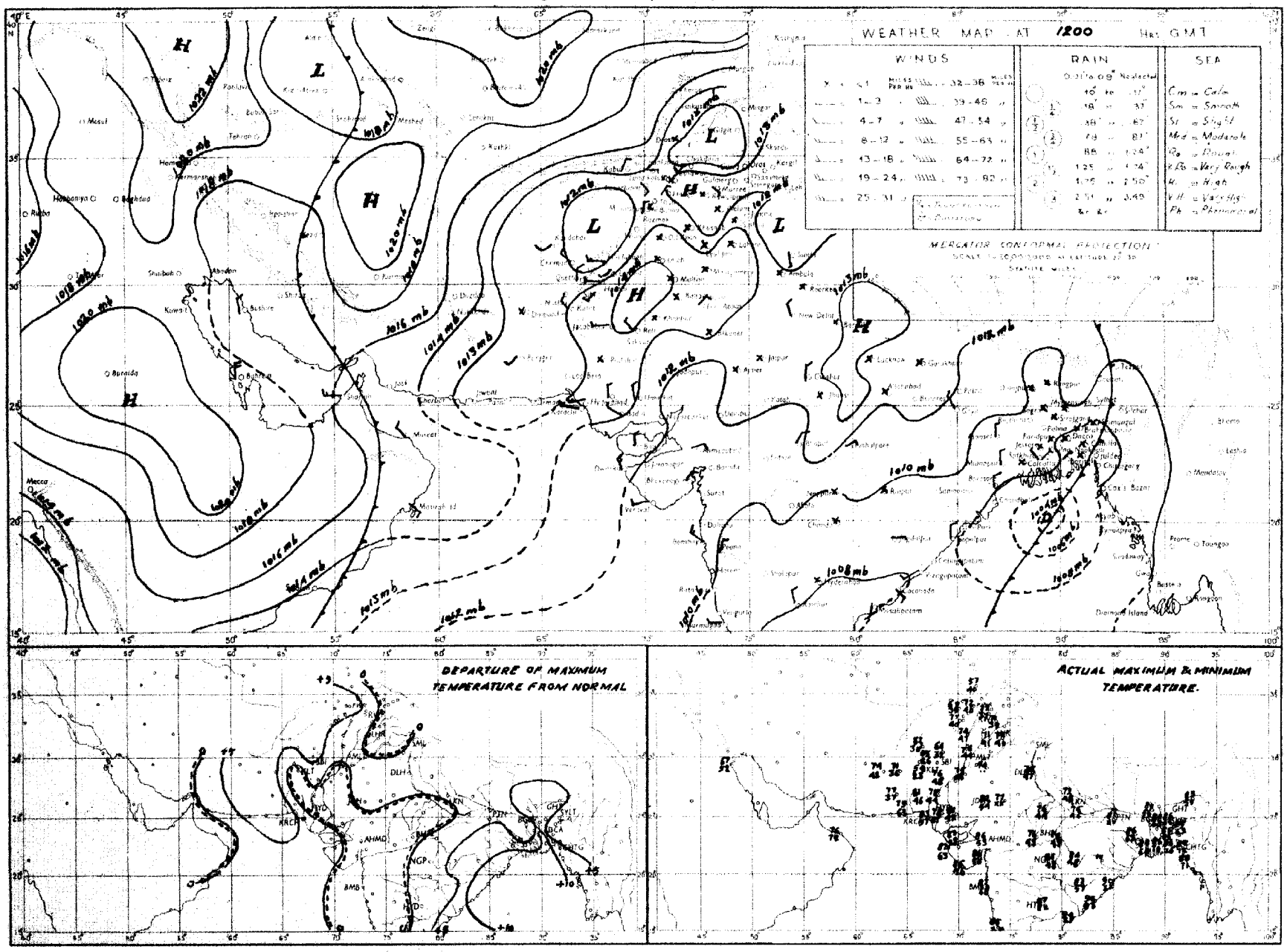
THURSDAY 13th DECEMBER 1951



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

WEDNESDAY 12th. DECEMBER 1951.



Rainfall amounts indicated in the above chart refer to past 9 hours.

Regd. No. S-1451.

WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G. M. T. on Wednesday, the 26th December, 1951.

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WEATHER BUREAU

—o:O:o—

SUMMARY OF WEATHER.

Two western disturbances affected West Pakistan during the week.

The first western disturbance which moved eastnortheastwards across north Baluchistan and the North-West Frontier Province on the 21st and 22nd was rather inactive and caused cloudy weather over there. The second western disturbance bordering Baluchistan on the 24th moved northeastwards and lay extended from Baluchistan to the upper North-West Frontier Province on the last day of the week. In its association spell of wet weather was experienced over north Baluchistan, the North-West Frontier Province and the north Punjab on the last two days of the week.

Weather remained dry in East Pakistan.

Some of the noteworthy amounts of rainfall recorded during the week were:—Nokkundi 1", Chaman ¾", and Quetta and Dalbandin ¼" each on the 26th.

Night temperatures were generally appreciably to markedly above normal over West Pakistan during the week. They were however considerably above normal in north Baluchistan from the 22nd to 26th, in the North-West Frontier Province on the last three days and in the north Punjab on the 25th.

2. EAST PAKISTAN: Weather remained dry.

KASHMIR: Data not available.

PUNJAB: A few falls were recorded over the hills of the north Punjab on one day.

NORTH-WEST FRONTIER PROVINCE: A few falls were recorded on two days.

BALUCHISTAN: Rainfall was local on the 26th and scattered on the 25th in north Baluchistan.

SIND: Weather continued dry.

JUNAGADH: Data not available.

3. The week's rainfall was normal in north Baluchistan and scanty in the North-West Frontier Province. No rain fell elsewhere.

Rainfall for the period from 1st November 1951 to date was in large excess in the north Punjab and the Northern sub-division of East Pakistan, in excess in the south Punjab, normal in Sind, deficient in the North-West Frontier Province, the Eastern and Deltaic sub-divisions of East Pakistan and scanty in Baluchistan.

4. The table overleaf summarises the rainfall statistics for the eleven sub-divisions of Pakistan both for the week and for the period from 1st November, 1951 to date.

KARACHI-11.
The 26th December, 1951

MOHAMMAD SHABBAR,
for Director, Meteorological Service.

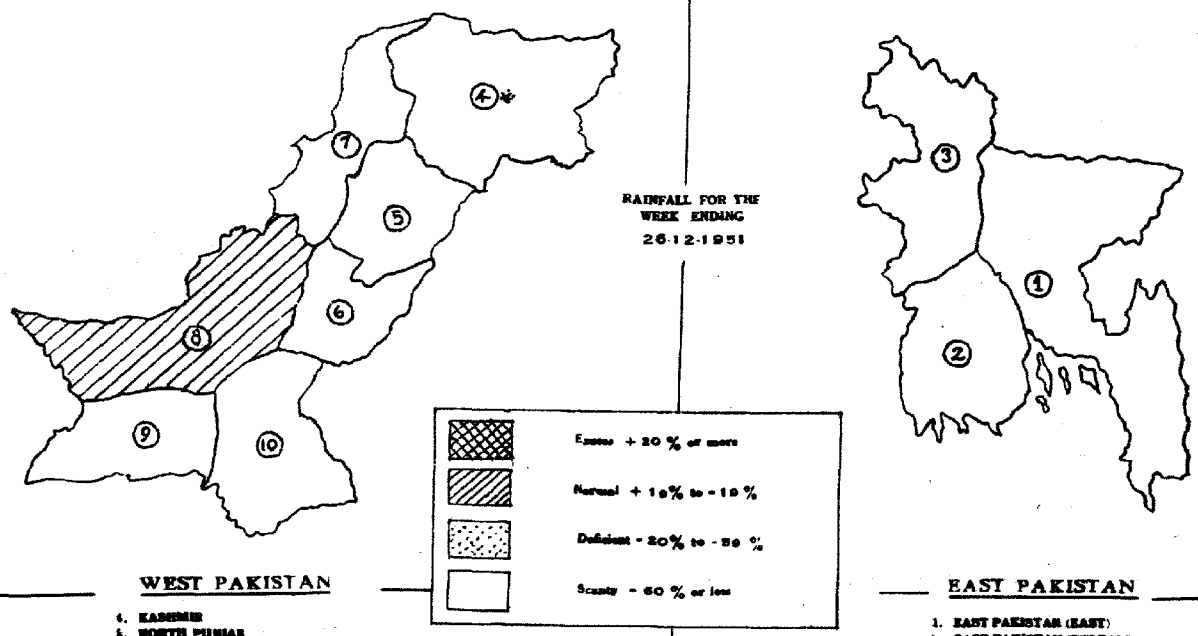
WEEKLY WEATHER REPORT

Division	Rainfall for week ending on 26th December, 1951.			Rainfall for period from 1-11-1951 to 26th December, 1951.			
	Actual †	Normal	Excess or defect	Actual †	Normal	* Excess or defect	
						Inches	Per cent
1	2	3	4	5	6	7	8
1. East Pakistan (East)	0	0	0	1.3	1.9	− 0.7	− 34
2. East Pakistan (Deltaic)	0	0	0	1.0	1.5	− 0.5	− 30
3. East Pakistan (North)	0	0	0	1.8	0.7	+1.1	+172
4. Kashmir ††	....	....	....	....	....	....	...
5. North Punjab	0	0.2	− 0.2	1.3	0.6	+0.7	+107
6. South Punjab	0	0	0	0.3	0.2	+0.1	+ 35
7. N. W. F. P.	0	0.2	− 0.1	0.5	0.6	− 0.1	− 21
8. North Baluchistan	0.2	0.2	0	0.3	0.9	− 0.6	− 66
9. South Baluchistan	0	0.2	− 0.2	0.2	0.7	− 0.6	− 77
10. Sind	0	0	0	0.2	0.2	0	+ 10
11. Junagadh ††	....	....	....	....	....	....	....

* In the calculation of excesses and defects, and their percentages, rainfall figures are taken correct to 0·01".

† Rainfall of stations having no normals is not included.

†† Data not available

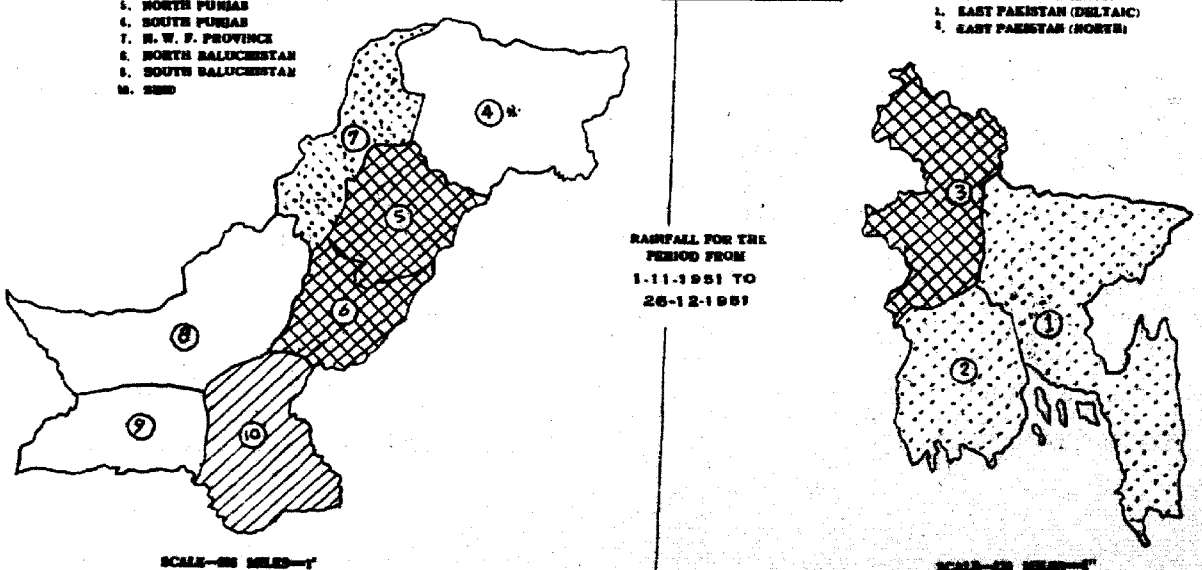


WEST PAKISTAN

4. KASHMIR
5. NORTH PUNJAB
6. SOUTH PUNJAB
7. N. W. F. PROVINCE
8. NORTH BALUCHISTAN
9. SOUTH BALUCHISTAN
10. SIND

EAST PAKISTAN

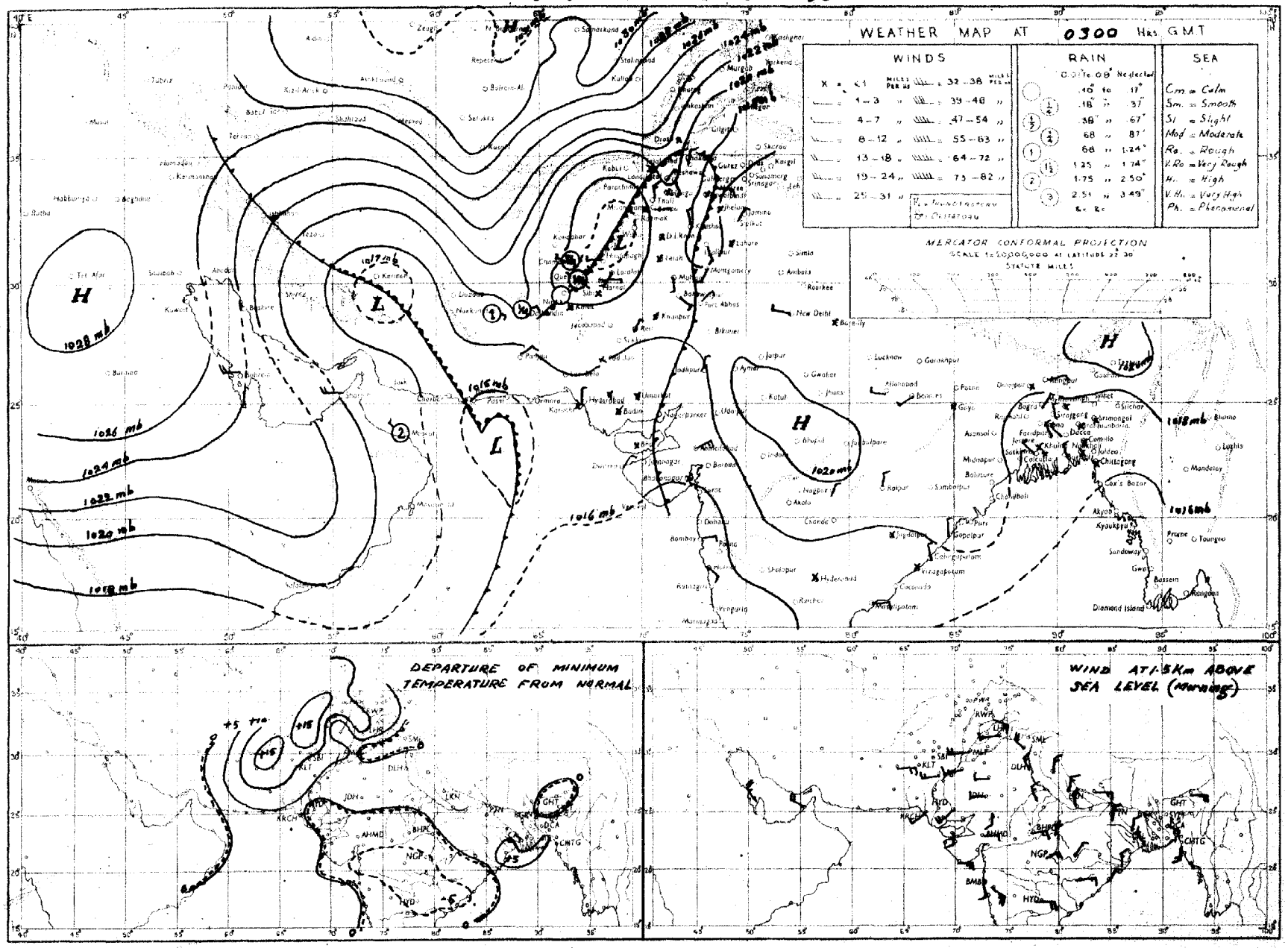
1. EAST PAKISTAN (EAST)
2. EAST PAKISTAN (DELTAIC)
3. EAST PAKISTAN (NORTH)



* Data not available.

PAKISTAN DAILY WEATHER MAP

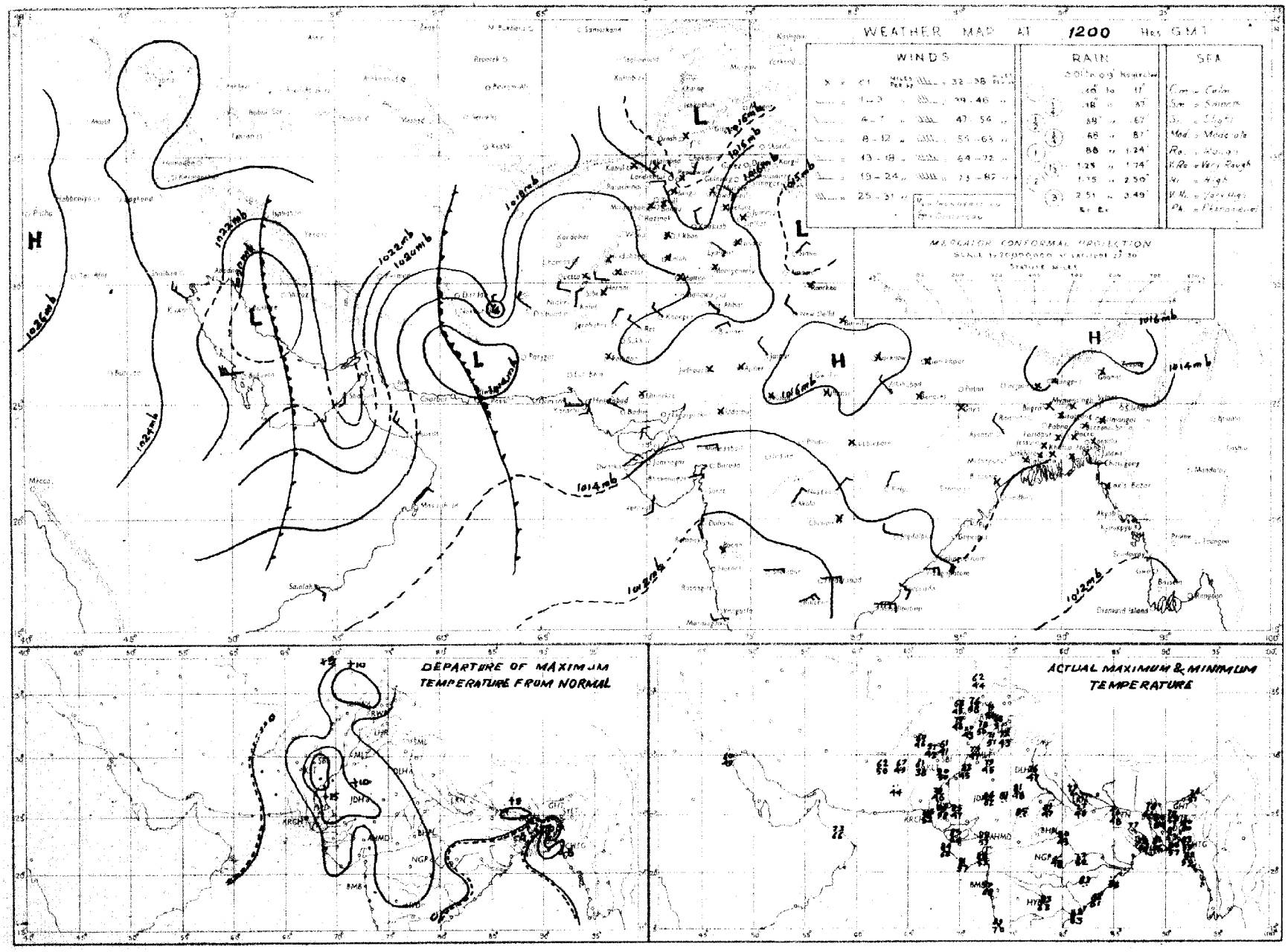
WEDNESDAY 26th DECEMBER 1951.



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

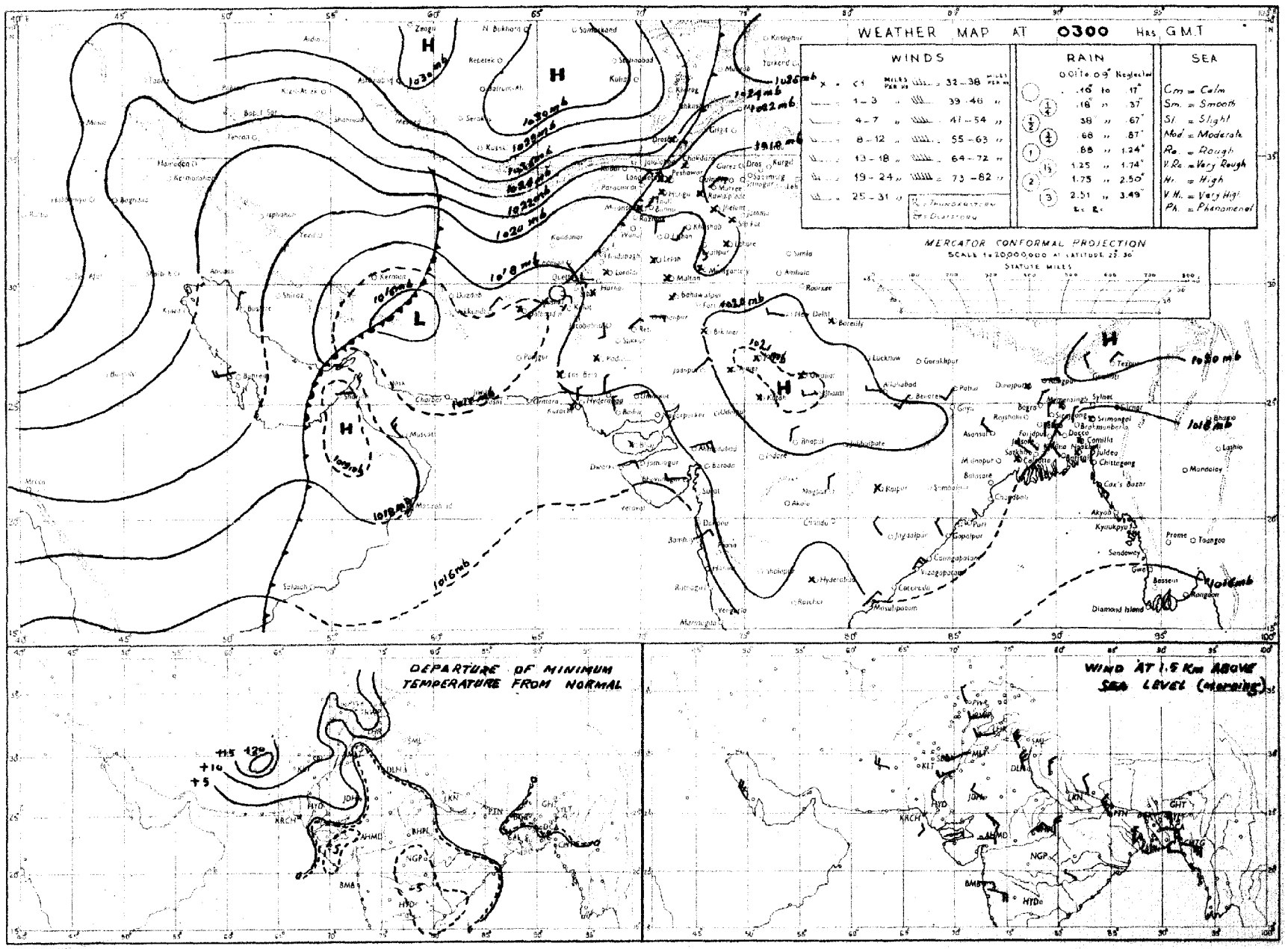
TUESDAY 25th DECEMBER 1951



Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER MAP

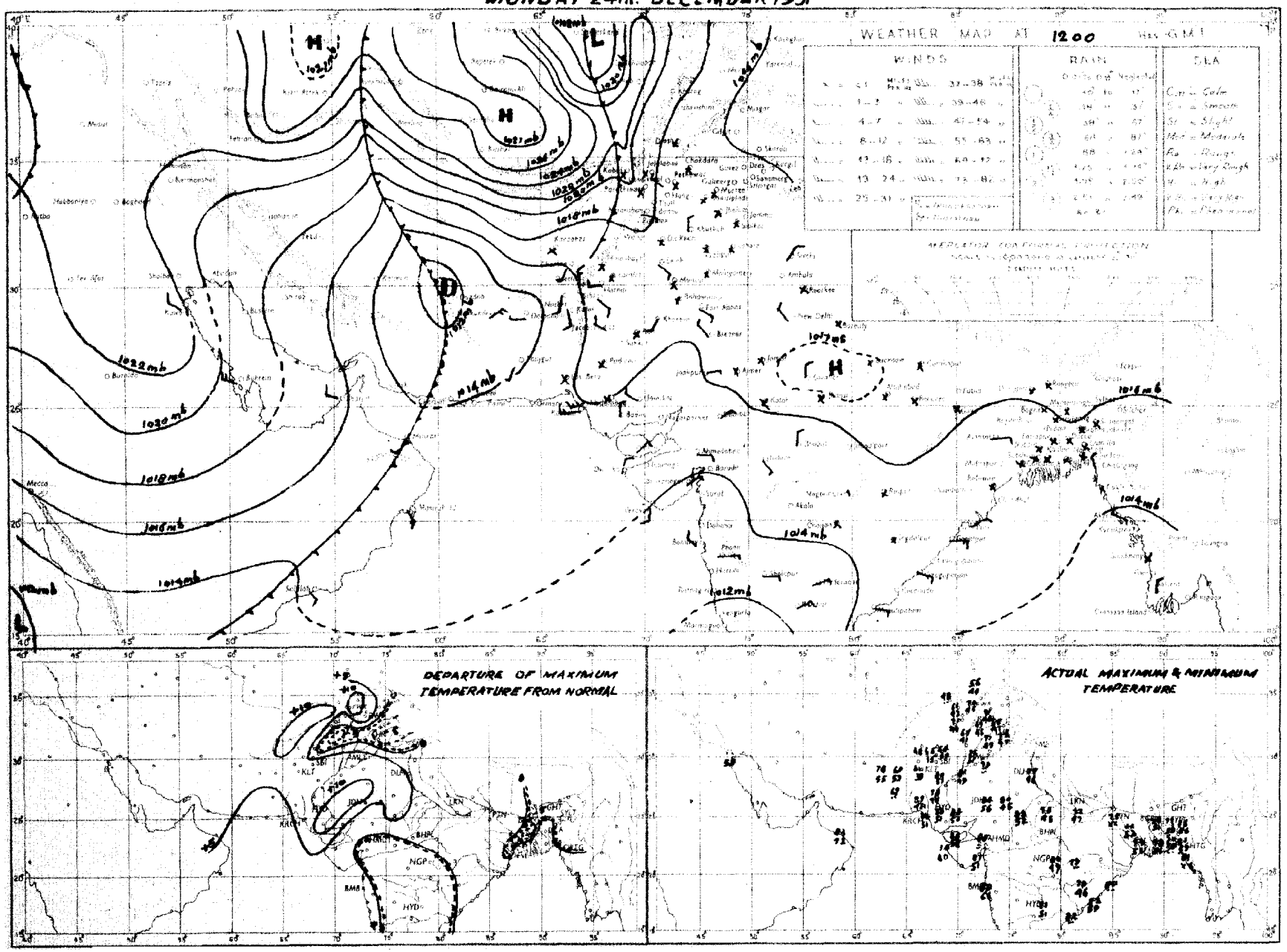
TUESDAY 25th DECEMBER 1951.



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

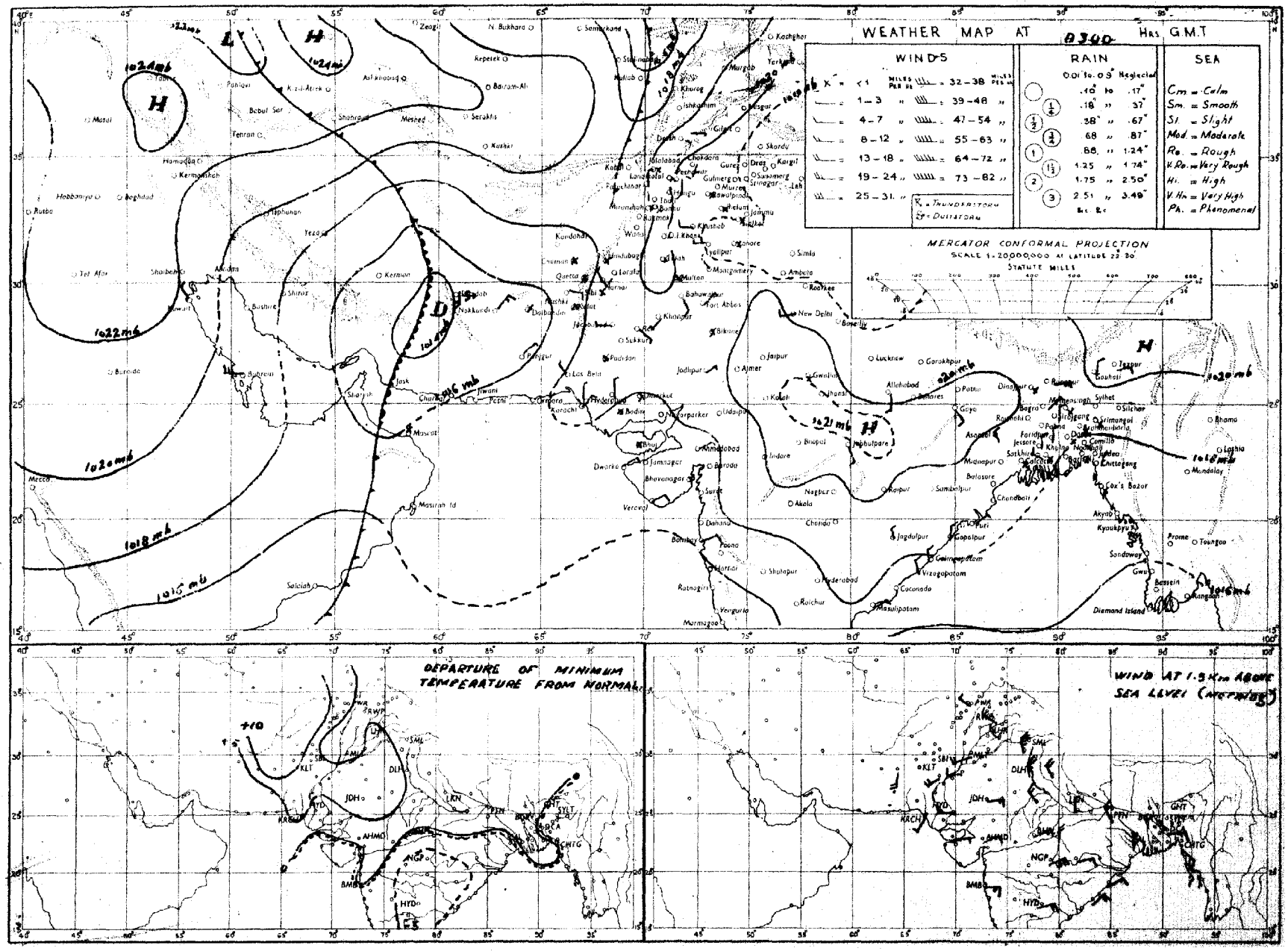
MONDAY 24th: DECEMBER 1951



Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER MAP

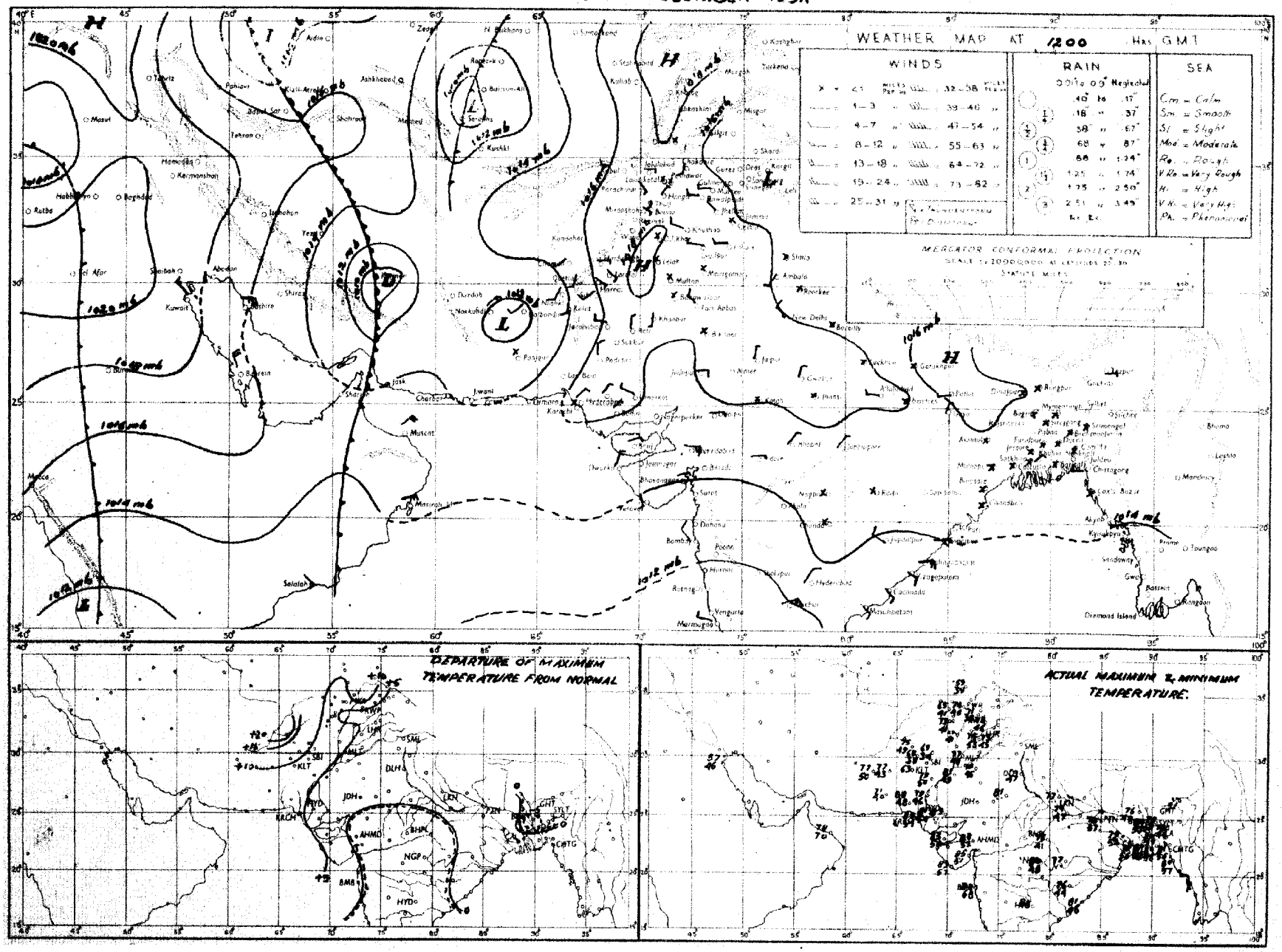
MONDAY 24th DECEMBER 1951.



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

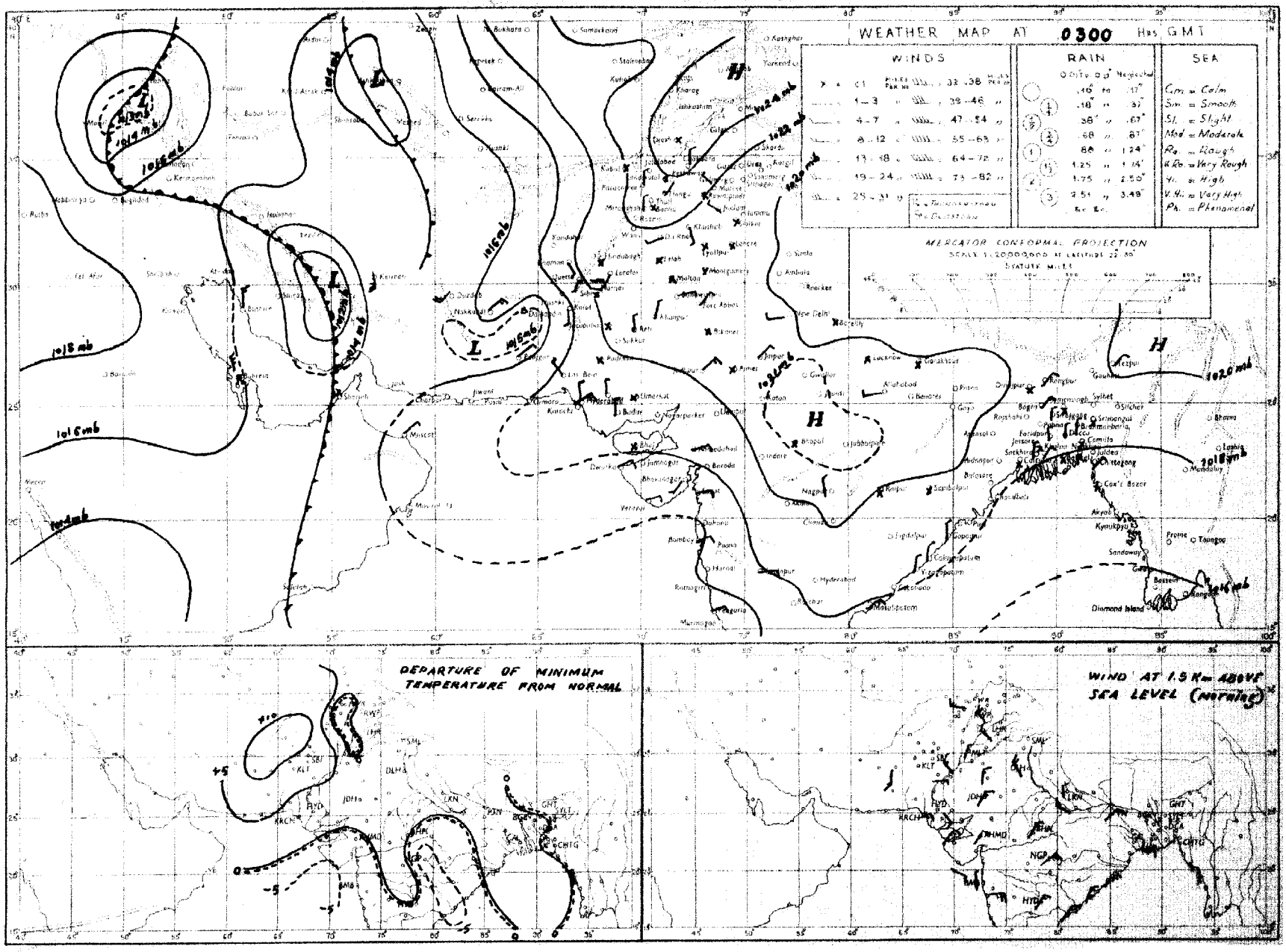
SUNDAY 23rd. DECEMBER 1951.



Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER MAP

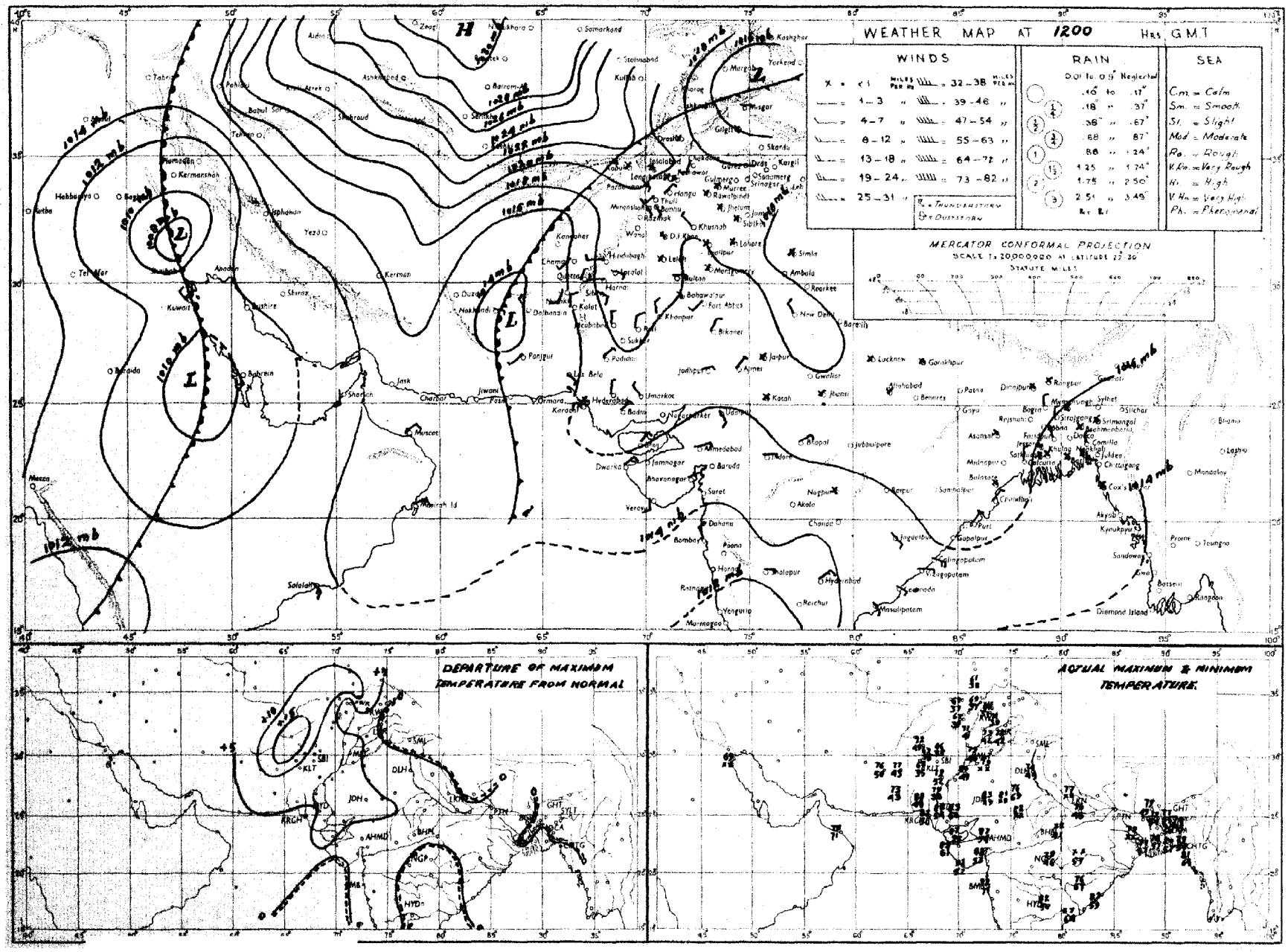
SUNDAY 23rd DECEMBER 1951.



Rainfall amounts indicated in the above chart refer to past 24 hours

PAKISTAN DAILY WEATHER MAP

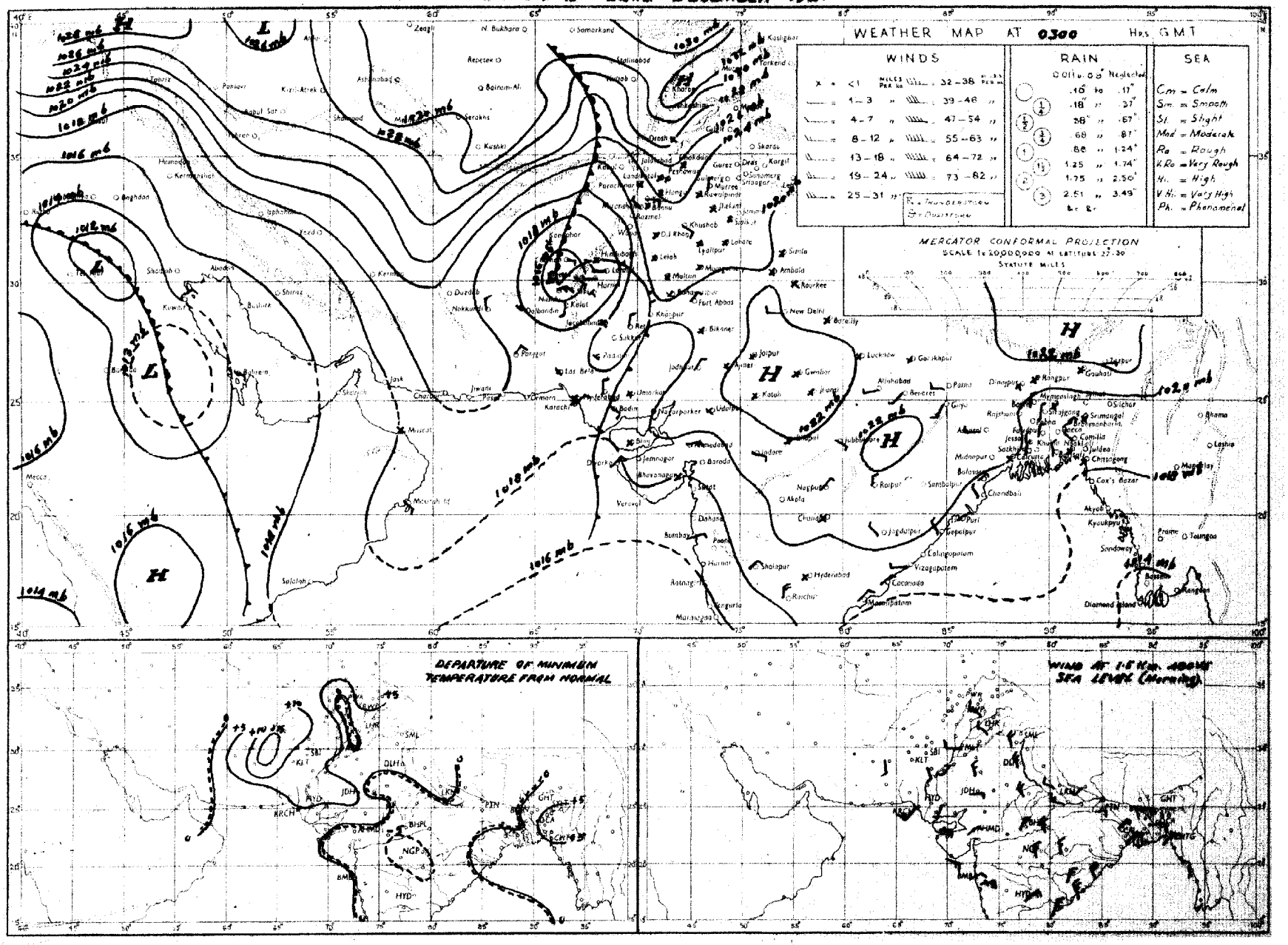
SATURDAY 22nd. DECEMBER 1951.



Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER MAP

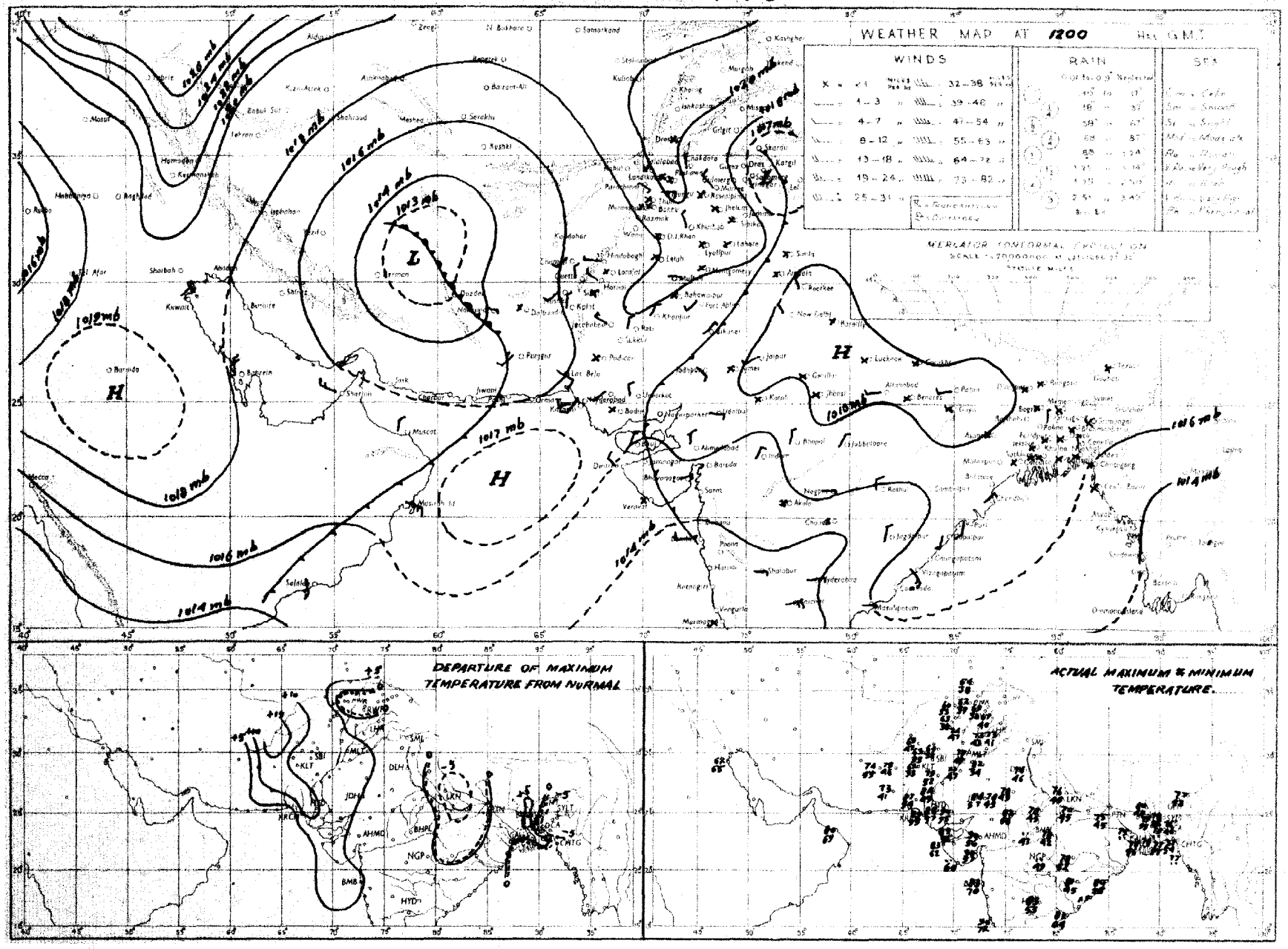
SATURDAY 22nd DECEMBER 1951.



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

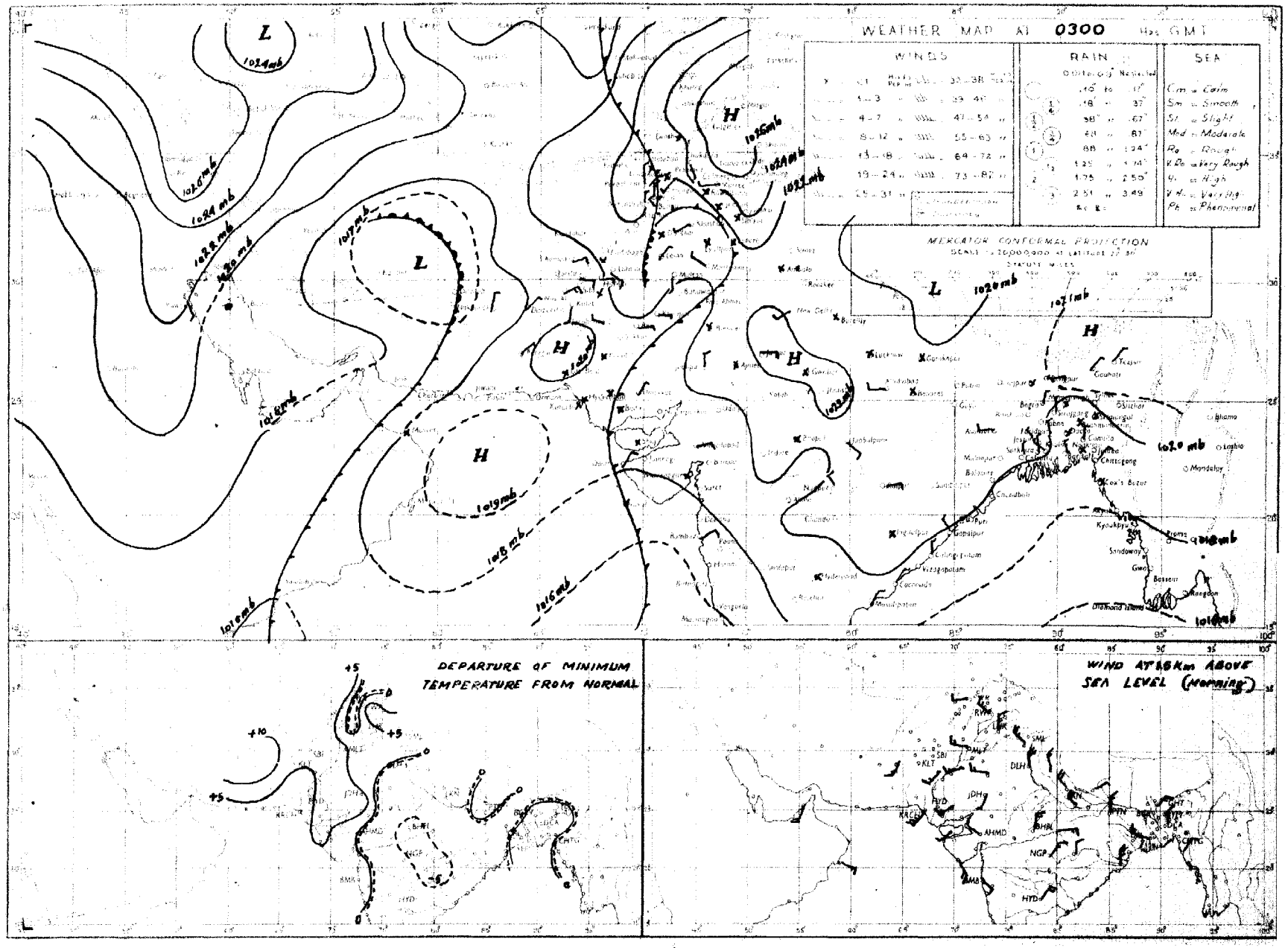
FRIDAY 21st. DECEMBER 1951.



Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER MAP

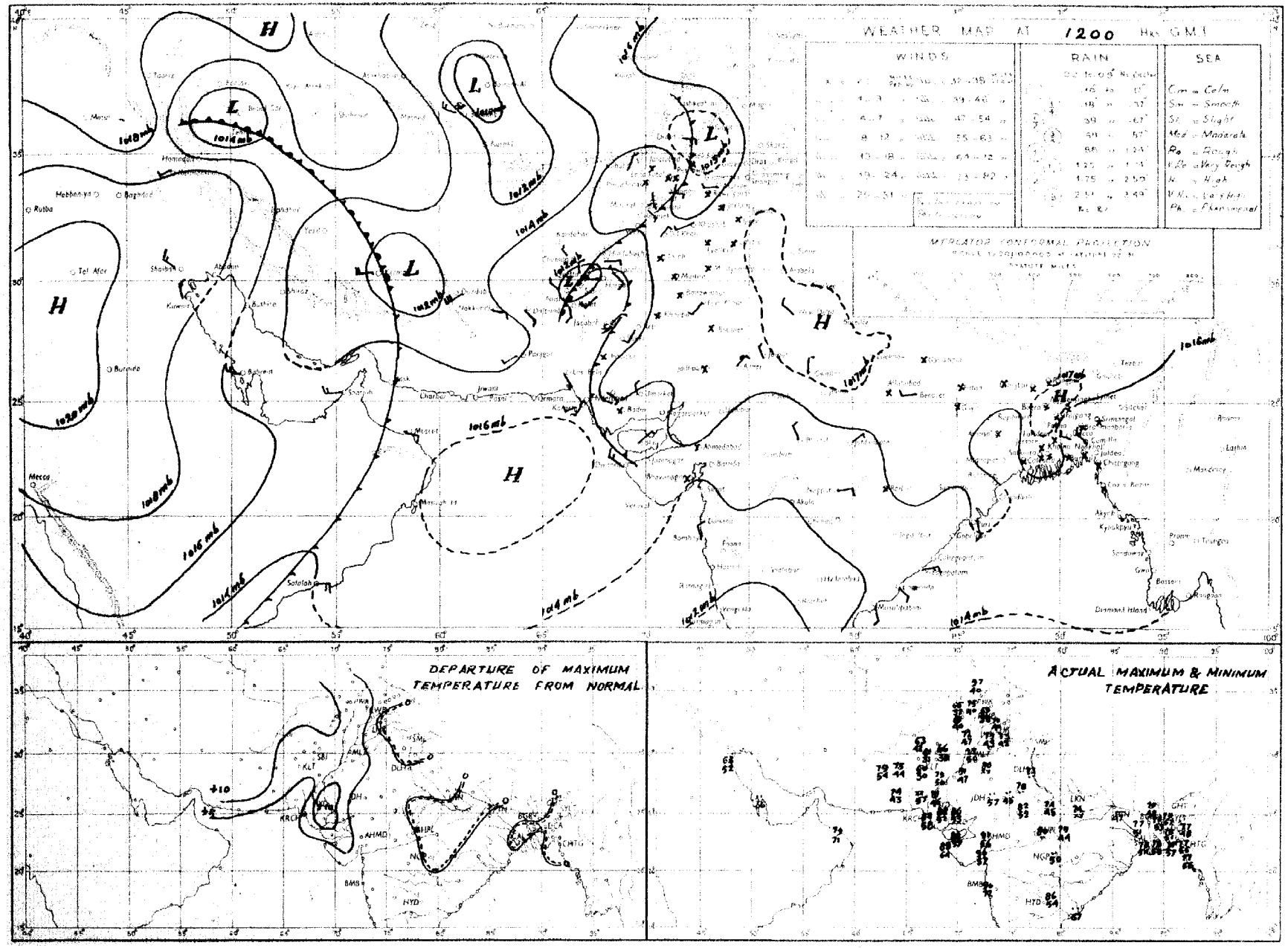
FRIDAY 21st DECEMBER 1951.



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

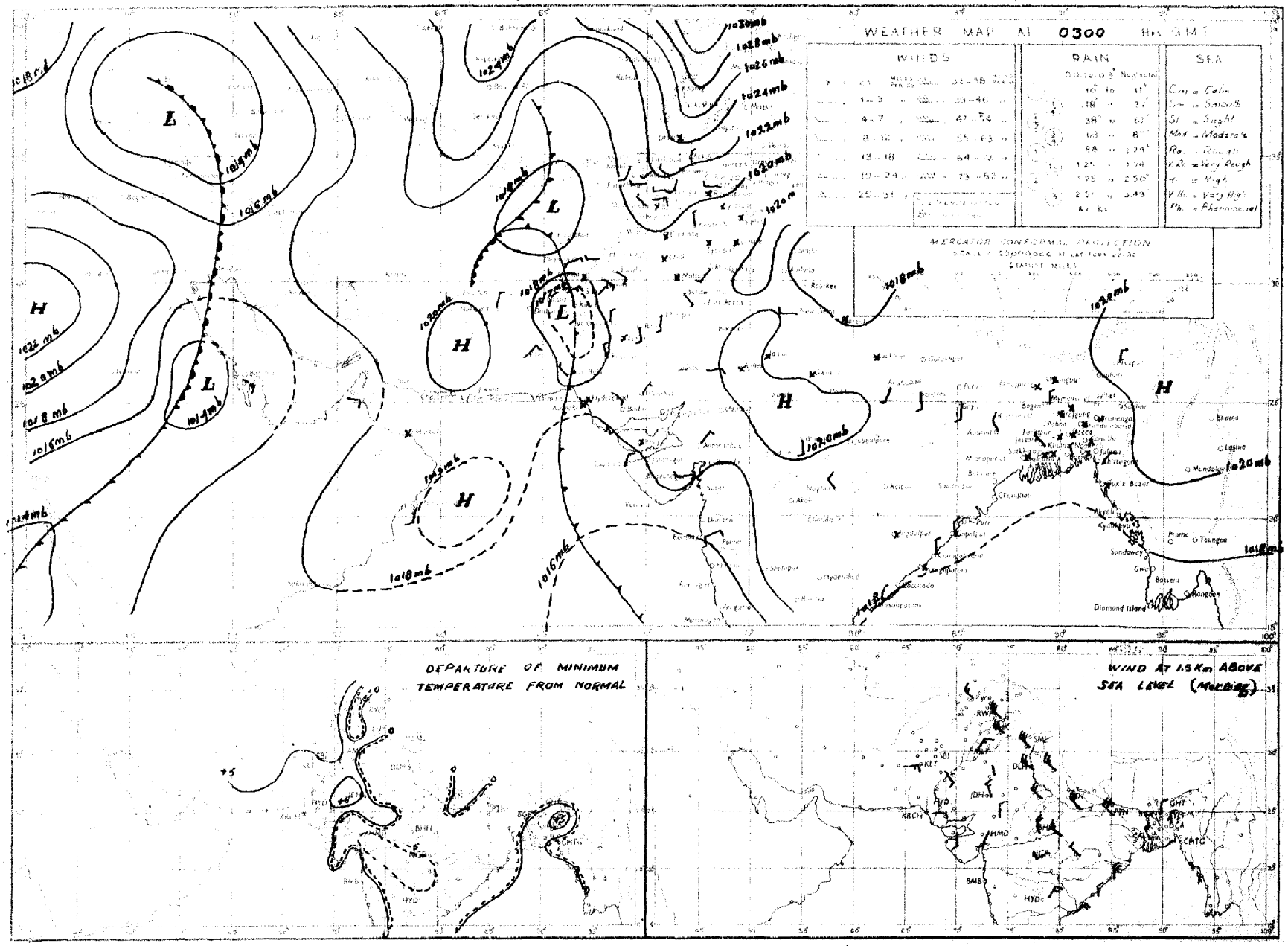
THURSDAY 20th DECEMBER 1951



Rainfall amounts indicated in the above chart refer to past 9 hours

PAKISTAN DAILY WEATHER MAP

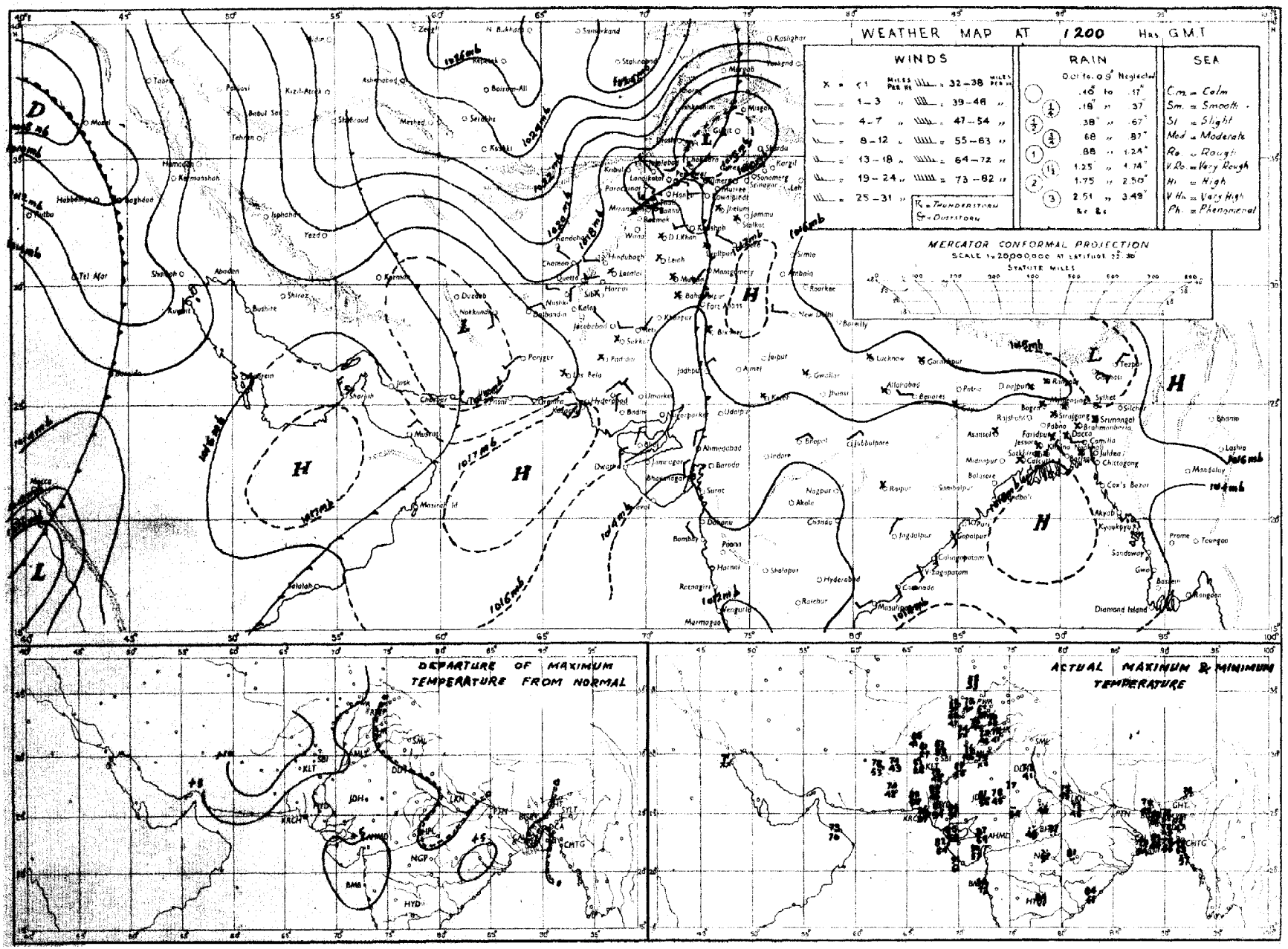
THURSDAY 20th DECEMBER 1951.



Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER MAP

WEDNESDAY 19th. DECEMBER 1951.



Rainfall amounts indicated in the above chart refer to past 9 hours.