Pakistan. Meteorological Service

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GOVERNMENT OF PAKISTAN. PAKISTAN METEOROLOGICAL SERVICES.

WEEKLY WEATHER REPORT

Mar 30 – Dec 1949.

for
Pakistan and Kashmir
For the week ending at 0300 GMT. on Wednesday, the 30th March 1949.

Last week's disturbance while moving away eastwards through Kashmir caused local thundershowers in the North West Frontier Province and the north Punjab, on the 23rd. Another weak western disturbance affected Western Pakistan and caused cloudy weather between the 25th and 27th. The weather otherwise remained dry throughout the week both in Western and Eastern Pakistan. Temperatures were appreciably to markedly below normal in Western Pakistan on the first day of the week, began rising thereafter and became appreciably above normal by the 28th. The temperatures began to fall on the last day of the week. In Eastern Pakistan the temperatures remained nearly normal.

Oversize
QC
990
.P18
P36
1949
Mar. 30-
Dec.

Eastern Pakistan

The weather was dry throughout the week.

Western Pakistan

Dry weather prevailed throughout the week except for a few falls on one day each in the Punjab and the North West Frontier Province.

The week's rainfall was 71 to 100% in defect both in Eastern and Western Pakistan.

The rainfall for the period from 1st November 1948 to date was in excess in the north Punjab and normal in east and north Bengal, the North West Frontier Province and north Baluchistan. It was deficient in Deltaic Bengal, the south Punjab, south Baluchistan and Sind.

The table overleaf summarises the rainfall statistics for the 11 sub-divisions of Pakistan for the week and the period from 1st November 1948 to date.

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WEATHER BUREAU

A.W.KHAN
Meteorologist,
for Director, Meteorological Services.

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National Oceanic and Atmospheric Administration

Climate Database Modernization Program

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LASON
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March 28, 2002

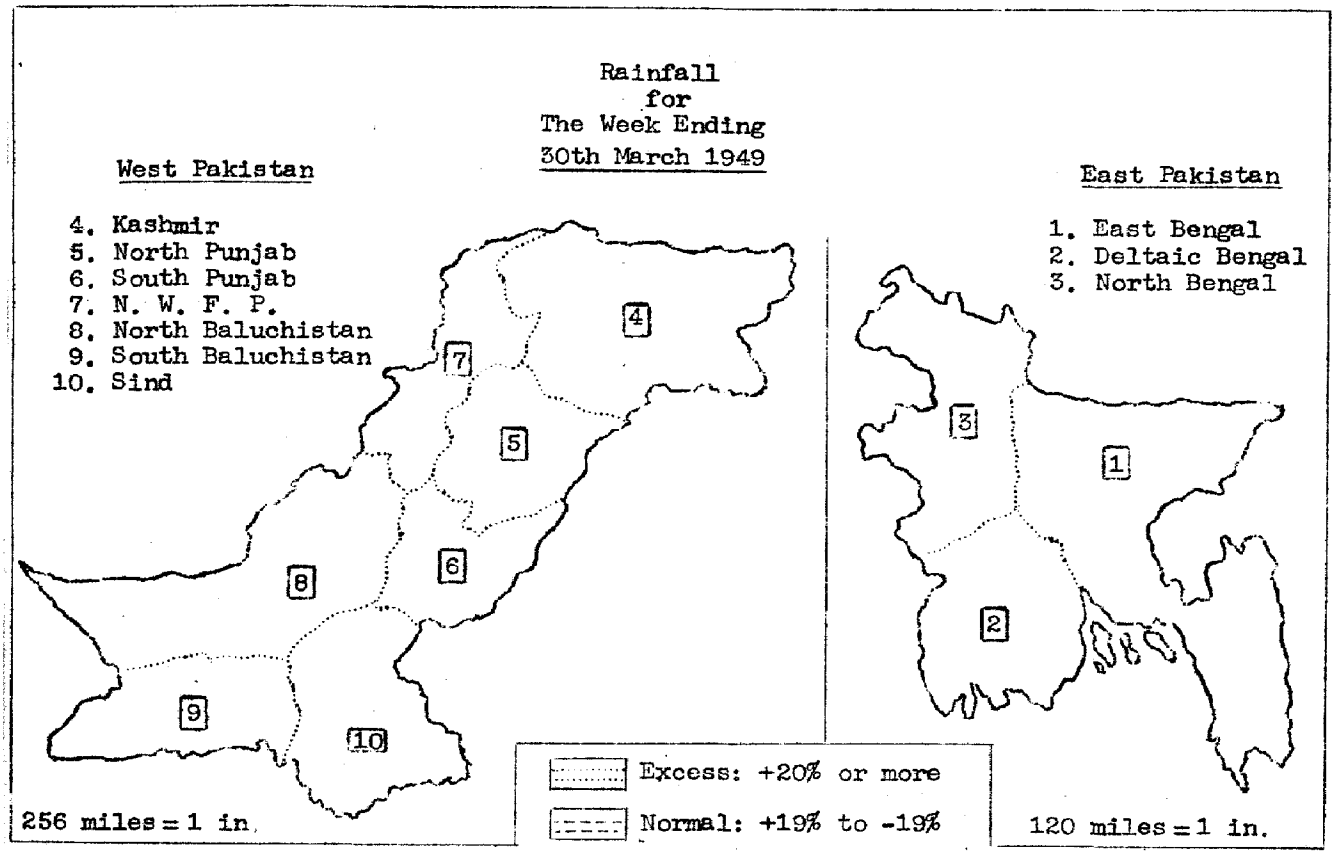
Divisions	Rainfall for the week ending on 30.3.49				Rainfall for period from 1.11.48 to 30.3.49			
	Actual	Normal	Excess or Defect	Percent*	Actual	Normal	Excess or Defect	Percent*
1. East Bengal	0	0.7	-0.7	-100	5.4	6.4	-1.0	-16
2. Deltaic Bengal	0	0.7	-0.7	-100	3.0	4.8	-1.8	-37
3. North Bengal	0	0.3	-0.3	-100	2.9	2.7	+0.2	+ 7
4. Kashmir**								
5. North Punjab	0.1	0.2	-0.1	- 75	6.3	4.7	+1.6	+34
6. South Punjab	0	0.1	-0.1	-100	0.9	1.3	-0.4	-31
7. N. W. F. P.	0.1	0.6	-0.5	- 83	5.6	5.1	+0.5	+10
8. North Baluchistan	0	0.2	-0.2	-100	4.8	4.7	+0.1	
9. South Baluchistan	0	0.1	-0.1	-100	2.1	4.7	-2.6	-55
10. Sind	0	0	0	-100	0.5	1.1	-0.6	-55
11. Junagadh	← Data not available →							

*In the calculation of excesses and defects and the percentages rainfall figures are taken correct to 0.01".

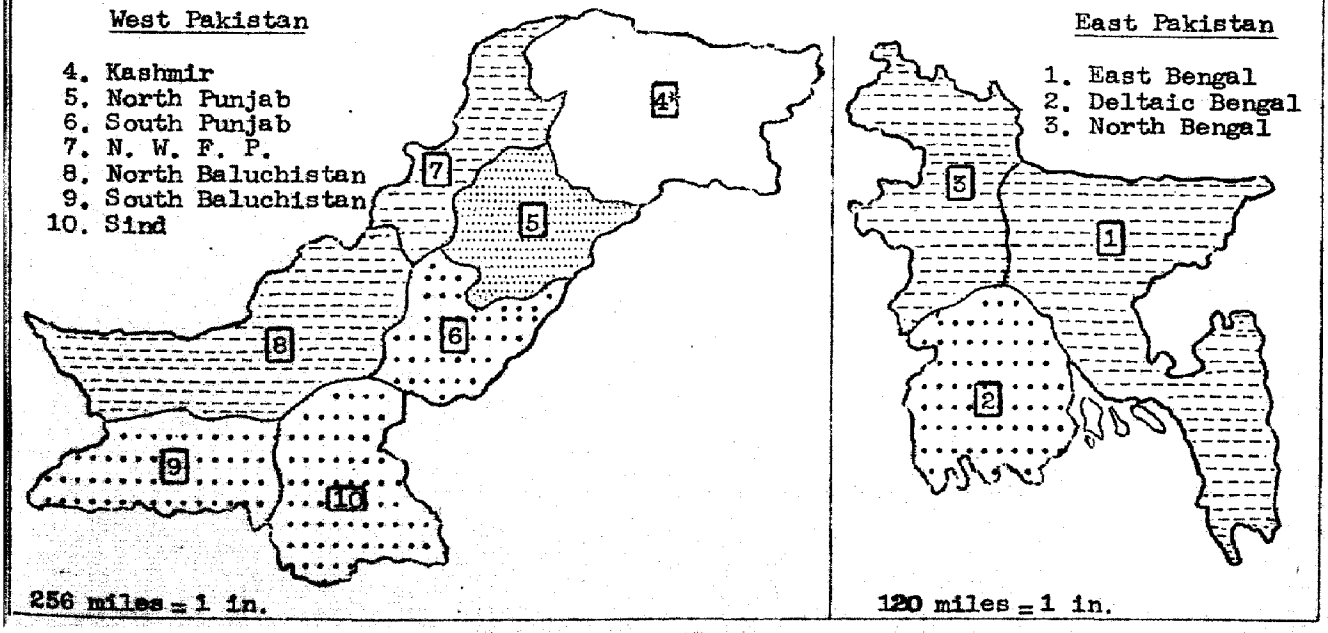
**Data not available.

PAKISTAN METEOROLOGICAL SERVICE.

Rainfall for The Week Ending 30th March 1949



Rainfall for the period 1.11.1948 to 30.3.1949



*Data not available

GOVERNMENT OF PAKISTAN. PAKISTAN METEOROLOGICAL SERVICE

WEEKLY WEATHER REPORT

for Pakistan and Kashmir

For the week ending at 0300 GMT. on Wednesday, the 6th April 1949.

Three western disturbances affected the weather in Western Pakistan during the week. The first one lay as a trough of low pressure over Baluchistan on the second day of the week. The trough while moving eastwards became more marked and was over north Rajputana and the south Punjab on the 3rd April. This was followed by the second disturbance which also began affecting the northwest frontier on the same day. Under their combined influence local thundershowers were recorded in the North West Frontier Province on the 3rd and 4th April, northeast Baluchistan on the 4th, scattered thundershowers in the north Punjab on the 3rd and 4th, scattered dust or thunderstorms in north Baluchistan on the 3rd while isolated dust or thunderstorms were also reported from the North West Frontier Province on the 2nd, the south Punjab on the 3rd and Sind on the 4th. The third western disturbance began affecting the northwest frontier on the 4th afternoon and under its influence local thundershowers were recorded in north Baluchistan and scattered thundershowers in the North West Frontier Province on the 5th while scattered dust or thunderstorms were reported from stations along and near the northwest frontier on the last day of the week. The weather was mainly dry in East Pakistan on the first four days of the week. Local thundershowers were reported from east and north Bengal on the 4th and 5th April (Bogra recorded 3 inches of rainfall on the 4th) and a few thundershowers from east Bengal on the last day of the week.

Both day and night temperatures were appreciably above normal in West Pakistan during the first half of the week, began falling during the second half and were nearly normal at the end of the week.

EASTERN PAKISTAN.- Data for 6th wanting. Rainfall was nearly general on one day in north Bengal, and local on one day in east Bengal. A few falls occurred on one day each in east and north Bengal.

WESTERN PAKISTAN.- Rainfall occurred locally on two days in the North West Frontier Province and on one day in north Baluchistan. A few falls occurred on three days in the North West Frontier Province, on two days each in the north Punjab and north Baluchistan and on one day in south Baluchistan.

The week's rainfall was in excess in north Bengal, normal in the North West Frontier Province and 25% to 100% in defect elsewhere.

Rainfall for the period 1st April 1949 to date, was in excess in north Bengal, normal in the North West Frontier Province and north Baluchistan and 40% to 100% in defect elsewhere.

The table overleaf summarises the rainfall statistics for the 11 subdivisions of Pakistan for the week and the period from 1st April 1949 to date.

A.W.KHAN
Meteorologist,
for Director, Meteorological Services.

Divisions	Rainfall for the week ending on 6.4.49				Rainfall for the period 1.4.49 to 6.4.49			
	Actual	Normal	Excess or Defect	Percent*	Actual	Normal	Excess or Defect	Percent*
1. East Bengal	0.3	0.8	-0.5	-63	0.3	0.7	-0.4	- 57
2. Deltaic Bengal	0	0.4	-0.4	-100	0	0.3	-0.3	-100
3. North Bengal	1.0	0.4	+0.6	+150	1.0	0.3	+0.7	+233
4. Kashmir**								
5. North Punjab	0.1	0.2	-0.1	- 50	0.1	0.2	-0.1	- 50
6. South Punjab	0	0.1	-0.1	-100	0	0.1	-0.1	-100
7. N. W. F. P.	0.4	0.5	-0.1	- 20	0.4	0.4	0	0
8. North Baluchistan	0.2	0.2	0	0	0.2	0.2	0	0
9. South Baluchistan	0.1	0.2	-0.1	- 50	0.1	0.2	-0.1	- 50
10. Sind	0	0	0	0	0	0	0	0
11. Junagadh**								

*In the calculation of excesses and defects and the percentages rainfall figures are taken correct to 0.01"

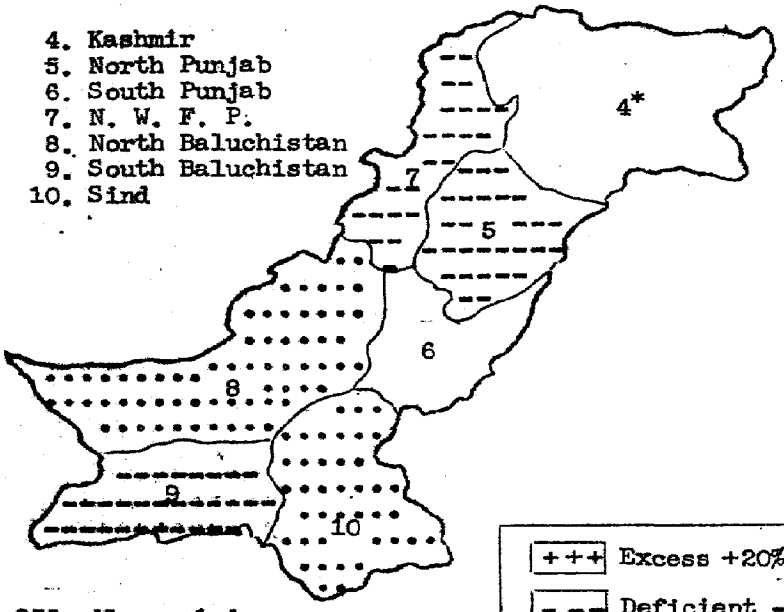
**Data not available.

PAKISTAN METEOROLOGICAL SERVICE

Rainfall
for
The Week Ending
6th April 1949

West Pakistan

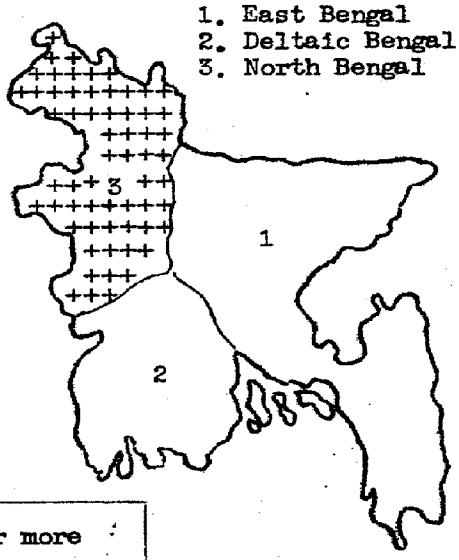
4. Kashmir
5. North Punjab
6. South Punjab
7. N. W. F. P.
8. North Baluchistan
9. South Baluchistan
10. Sind



256 miles = 1 in.

East Pakistan

1. East Bengal
2. Deltaic Bengal
3. North Bengal



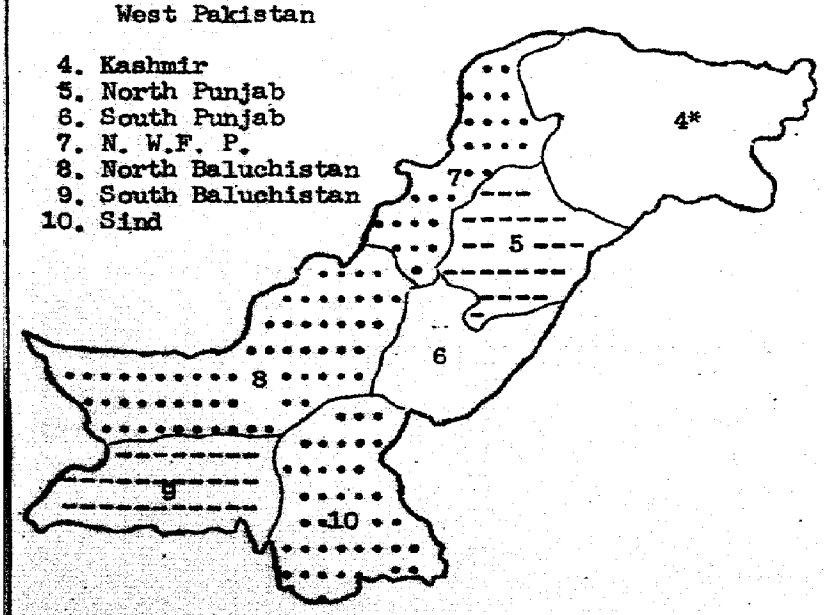
120 miles = 1 in.

+++ Excess +20% or more
- - - Deficient -20% to -59%
... Normal +19% to -19%
Scanty -60% or less

Rainfall for the period
1.4.1949 to 6.4.1949.

West Pakistan

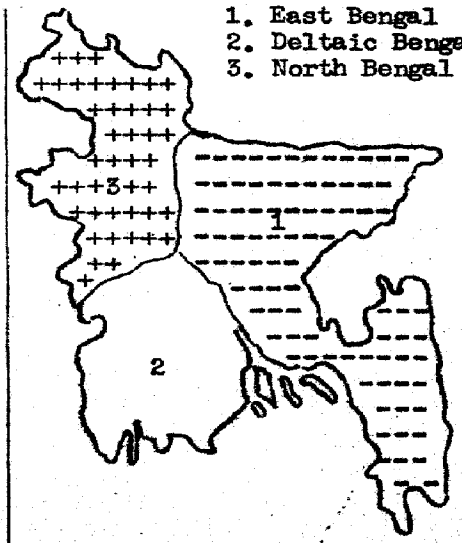
4. Kashmir
5. North Punjab
6. South Punjab
7. N. W.F. P.
8. North Baluchistan
9. South Baluchistan
10. Sind



256 miles = 1 in.

East Pakistan

1. East Bengal
2. Deltaic Bengal
3. North Bengal



120 miles = 1 in.

*Data not available.

GOVERNMENT OF PAKISTAN — PAKISTAN METEOROLOGICAL SERVICES.

WEEKLY WEATHER REPORT

for

Pakistan and Kashmir

For the week ending at 0300 hrs. G.M.T. on 13th April 1949.

Last week's western disturbance passed off after causing isolated dust-storms or light showers in north Baluchistan on the first day of the week. Another western disturbance began affecting the weather in Western Pakistan on the second day of the week and passed away on the 11th after causing fairly widespread thundershowers in the North West Frontier Province on the 10th, local thunderstorms in the North West Frontier Province on the 9th and in the north Punjab on the 10th. Local or few dust or thunderstorms were also reported from north Baluchistan on 8th to 10th, south Baluchistan on the 9th, Upper Sind and the south Punjab on the 10th and the north Punjab on the 11th. The weather thereafter remained dry in Western Pakistan. In Eastern Pakistan fairly widespread thundershowers were reported from east Bengal on the 8th and local thundershowers from east Bengal on the 7th, deltaic Bengal on the 8th and north Bengal on the 12th. Isolated thunderstorms also occurred in north Bengal on the 7th, east Bengal on the 9th, 10th and the 12th and deltaic Bengal on the 10th.

Temperatures were generally above normal in Western Pakistan during the first three days of the week. There was marked fall along and near the north-west frontier on the 4th day and both day and night temperatures fell down by 14 to 20 degrees. This fall extended eastwards and during the later half of the week temperatures were appreciably below normal except on the last date when day again became hotter than usual.

EASTERN PAKISTAN.- Thundershowers were nearly general on one day in east Bengal and local on one day each in deltaic Bengal and north Bengal. A few falls also occurred on 3 days of the week in east Bengal.

WESTERN PAKISTAN.- Rainfall was local on one day each in the North West Frontier Province, the hills of the North West Frontier Province and in north Baluchistan, and occurred at a few stations on one day each in the north Punjab and over Muree hills.

The week's rainfall was in excess in the North West Frontier Province, and normal in East Bengal. It was deficient in north Bengal and north Baluchistan and scanty in deltaic Bengal, the north and the south Punjab, south Baluchistan and Sind.

The rainfall for the period from 1st April 1949 to date was in excess in north Bengal and the North West Frontier Province, and normal in east Bengal. It was deficient in north Baluchistan and scanty in deltaic Bengal, the north and the south Punjab, south Baluchistan and Sind.

The table overleaf summarises the rainfall statistics for the 11 sub-divisions of Pakistan for the week and the period from 1st April 1949 to date.

A.W.KHAN
Meteorologist,
for Director, Meteorological Services.

Divisions	Rainfall for the week ending on 13.4.49				Rainfall for the period 1.4.49 to 13.4.49			
	Actual	Normal	Excess or Defect	Percent*	Actual	Normal	Excess or Defect	Percent*
1. East Bengal	1.1	1.2	-0.1	- 10	1.7	1.9	-0.2	- 10
2. Deltaic Bengal	0.2	0.6	-0.4	- 69	0.2	0.9	-0.7	- 78
3. North Bengal	0.2	0.3	-0.1	- 38	1.3	0.7	+0.6	+ 85
4. North Punjab	0.0	0.3	-0.3	- 87	0.2	0.5	-0.3	- 69
5. South Punjab	0.0	0.1	-0.1	- 86	0.0	0.1	-0.1	- 92
6. North Baluchistan	0.1	0.2	-0.1	- 52	0.3	0.4	-0.1	- 30
7. South Baluchistan	0.0	0.2	-0.2	- 89	0.1	0.4	-0.3	- 83
8. N. W. F. P.	0.7	0.3	+0.4	+115	1.1	0.7	+0.4	+ 61
9. Sind	0.0	0.1	-0.1	-100	0.0	0.1	-0.1	-100
10. Kashmir**								
11. Junagadh**								

*In the calculation of excesses and defects and the percentages rainfall figures are taken correct to 0.01".

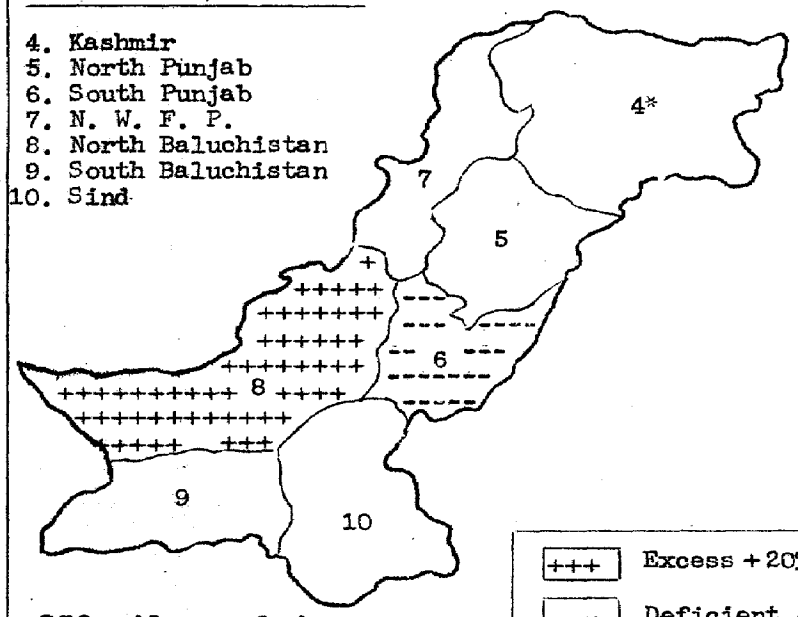
**Data not available.

PAKISTAN METEOROLOGICAL SERVICE.

Rainfall
for
The Week Ending
13th April 1949

West Pakistan & Kashmir

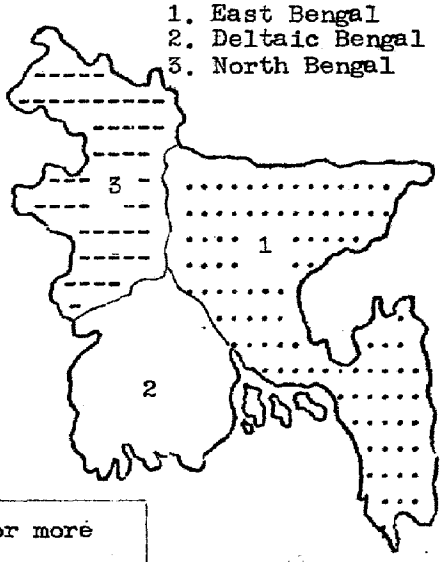
4. Kashmir
5. North Punjab
6. South Punjab
7. N. W. F. P.
8. North Baluchistan
9. South Baluchistan
10. Sind



256 miles = 1 in.

East Pakistan

1. East Bengal
2. Deltaic Bengal
3. North Bengal



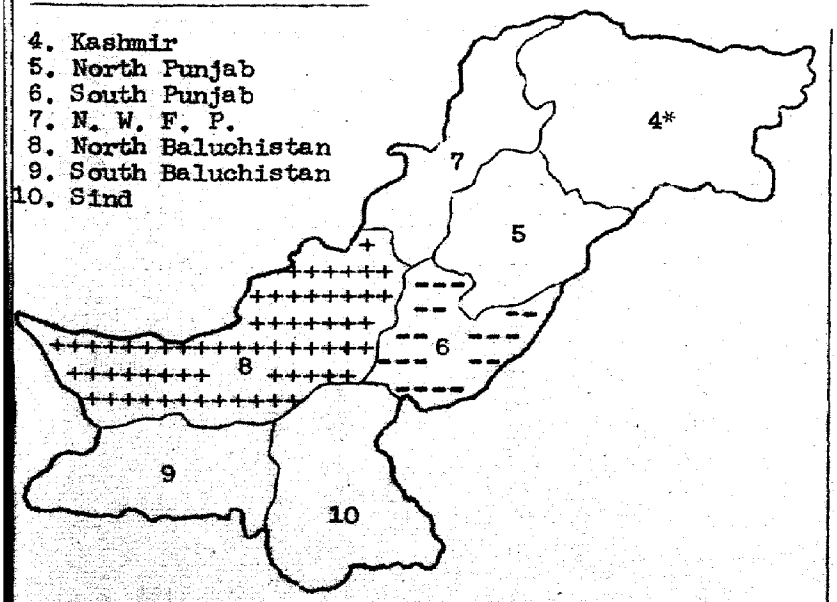
120 miles = 1 in

+++ Excess +20% or more
--- Deficient -20% to -50%
... Normal +19% to -19%
Scanty -60% or less

Rainfall for the period
1.4.1949 to 13.4.1949

West Pakistan & Kashmir

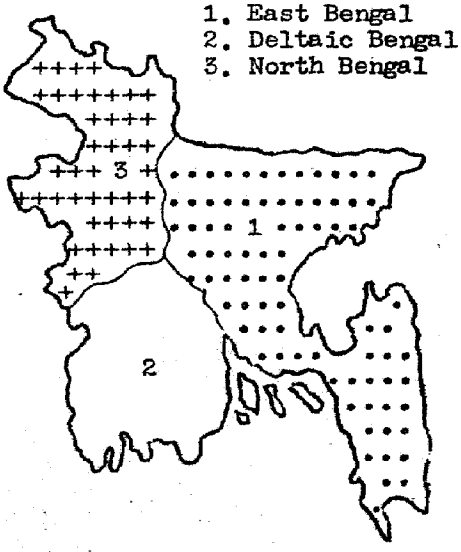
4. Kashmir
5. North Punjab
6. South Punjab
7. N. W. F. P.
8. North Baluchistan
9. South Baluchistan
10. Sind



256 miles = 1 in.

East Pakistan

1. East Bengal
2. Deltaic Bengal
3. North Bengal



120 miles = 1 in.

*Data not available

GOVERNMENT OF PAKISTAN. PAKISTAN METEOROLOGICAL SERVICES.

WEEKLY WEATHER REPORT

for
Pakistan and Kashmir
For the week ending at 0300 hrs. G.M.T. on 20th April 1949.

Two western disturbances affected Western Pakistan during the week but the weather remained dry except for isolated thunderstorms in the north Punjab and the North West Frontier Province on the first day. Day temperatures were appreciably to markedly above normal throughout the week. Night temperatures also remained above normal.

Eastern Pakistan experienced severe norwester thunderstorms during the week. According to newspaper reports hailstorms occurred at some stations in east Bengal and the accompanying squalls uprooted many trees and damaged huts. The rainfall due to these norwester storms was reported to be fairly widespread in east Bengal throughout the week except on the last day, in north Bengal on the first and the last and in deltaic Bengal on the 2nd day of the week; local in north Bengal on the 2nd, 5th and 6th day and at a few stations in east Bengal on the last day, deltaic Bengal on the 3rd and 4th day and in north Bengal on the 3rd day. Temperatures were below normal throughout the week; being appreciably so on some days.

EASTERN PAKISTAN.- Rainfall was nearly general on three days in east Bengal and on two days in north Bengal. It was local on two days each in east and north Bengal and on one day in deltaic Bengal. A few falls occurred on two days each in east and north Bengal and on one day in deltaic Bengal.

WESTERN PAKISTAN.- Dry weather prevailed throughout the week.

The week's rainfall was in large excess in north and east Bengal and normal in deltaic Bengal, while it was 100% in defect in Western Pakistan.

Rainfall for the period from 1st April 1949 to date was in excess in east and north Bengal and normal in the North West Frontier Province. It was deficient in deltaic Bengal and north Baluchistan and scanty elsewhere.

The table overleaf summarises the rainfall statistics for the 11 subdivisions of Pakistan for the week and the period from 1st April to date.

A.W.KHAN
Meteorologist,
for Director, Meteorological Services.

Divisions	Rainfall for the week ending on 20.4.49				Rainfall for the period 1.4.49 to 20.4.49			
	Actual	Normal	Excess or Defect	Percent*	Actual	Normal	Excess or Defect	Percent*
1. East Bengal	4.6	1.5	+3.1	+211	6.3	3.4	+2.9	+ 85
2. Deltaic Bengal	0.8	0.9	-0.1	- 16	1.0	1.9	-0.9	- 47
3. North Bengal	2.3	0.5	+1.7	+316	3.6	1.3	+2.3	+186
4. Kashmir**								
5. North Punjab	0.0	0.2	-0.2	-100	0.2	0.7	-0.6	- 78
6. South Punjab	0.0	0.1	-0.1	-100	0.0	0.2	-0.2	- 95
7. N. W. F. P.	0.0	0.3	-0.3	-100	1.1	1.0	+0.1	+ 10
8. North Baluchistan	0.0	0.2	-0.2	-100	0.3	0.6	-0.3	- 52
9. South Baluchistan	0.0	0.1	-0.1	-100	0.1	0.5	-0.4	- 85
10. Sind	0.0	0.0	0.0	-100	0.0	0.1	-0.1	-100
11. Junagadh**								

*In the calculation of excesses and defects and the percentages rainfall figures are taken correct to 0.01".

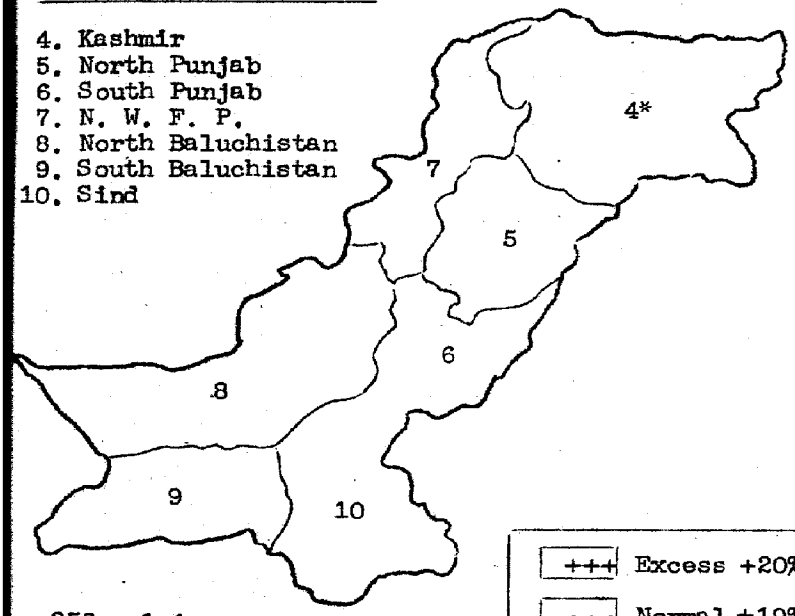
**Data not available.

PAKISTAN METEOROLOGICAL SERVICE.

Rainfall
for
The Week Ending
20th April 1949

West Pakistan & Kashmir

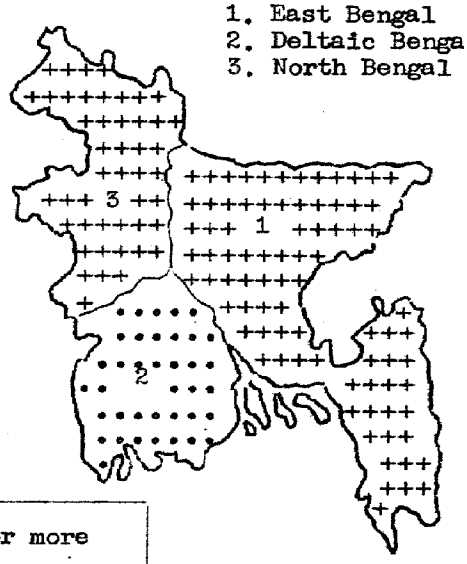
4. Kashmir
5. North Punjab
6. South Punjab
7. N. W. F. P.
8. North Baluchistan
9. South Baluchistan
10. Sind



256 = 1 in

East Pakistan

1. East Bengal
2. Deltaic Bengal
3. North Bengal



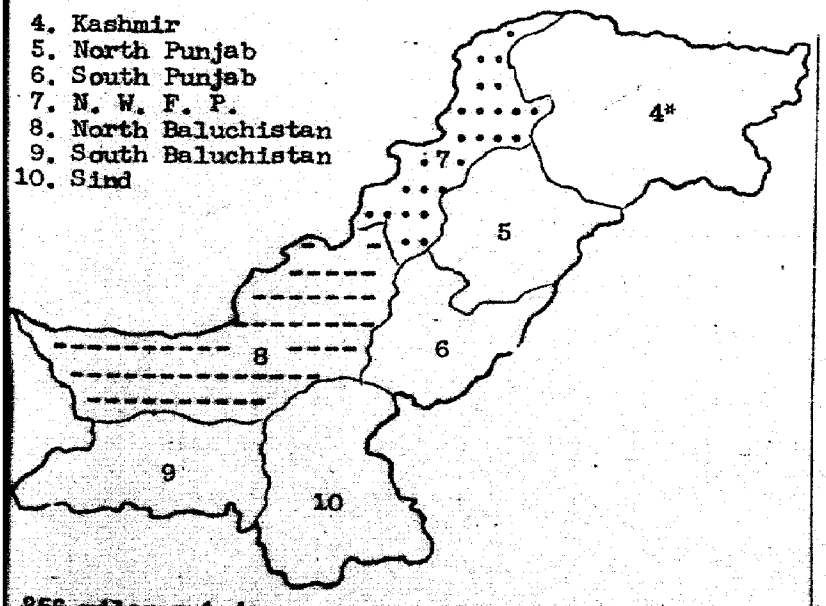
120 miles = 1 in.

+++ Excess +20% or more
... Normal +19% to -19%
--- Deficient -20% to -59%
Scanty -60% or less

Rainfall for the period
1.4.1949 to 20.4.1949

West Pakistan & Kashmir

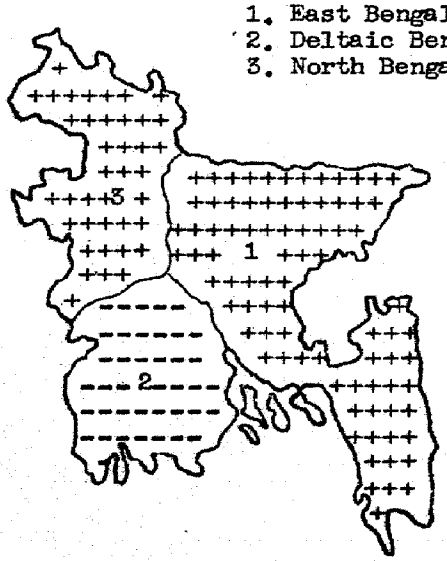
4. Kashmir
5. North Punjab
6. South Punjab
7. N. W. F. P.
8. North Baluchistan
9. South Baluchistan
10. Sind



256 miles = 1 in.

East Pakistan

1. East Bengal
2. Deltaic Bengal
3. North Bengal



120 miles = 1 in.

GOVERNMENT OF PAKISTAN. PAKISTAN METEOROLOGICAL SERVICES.

WEEKLY WEATHER REPORT

for
Pakistan and Kashmir
For the week ending at 0300 hrs. G.M.T. on 27th April 1949.

One western disturbance passed across the North West Frontier Province during the week. The weather in Western Pakistan however continued to remain mainly dry. Temperatures were appreciably to markedly above normal during the first three days of the week, fell in Sind and Baluchistan during the latter half of the week but continued to remain markedly above normal in the North West Frontier Province and the Punjab.

Norwester thunderstorms were fairly widespread with some heavy to very heavy falls in Eastern Pakistan on the first two and the last two days of the week, Comilla recorded 3" on the 21st and 6" on the 27th, and occurred locally on the 25th. Isolated thunderstorms were also reported from East Bengal on the 23rd and 24th. Temperatures were appreciably to markedly below normal throughout the week.

EASTERN PAKISTAN.- Nearly general rain occurred on 3 days of the week in east and deltaic Bengal and on 2 days of the week in north Bengal. Rainfall was local on 2 days each in east and deltaic Bengal and on 3 days of the week in north Bengal, while it occurred at a few stations on one day in east Bengal.

WESTERN PAKISTAN.- No rain during the week.

The week's rainfall was in large excess in Eastern Pakistan Provinces while it was scanty in the Provinces of Western Pakistan.

The rainfall for the period from 1st April 1949 to date was in large excess in all the provinces of Eastern Pakistan. It was normal in the North West Frontier Province while elsewhere in Western Pakistan it was scanty.

The table overleaf summarises the rainfall statistics for the 11 sub-divisions of Pakistan for the week and period from 1st April 1949 to date.

A.W.KHAN
Meteorologist,
for Director, Meteorological Services.

Divisions	Rainfall for the week ending on 27.4.49				Rainfall for the period 1.4.49 to 27.4.49			
	Actual	Normal	Excess or Defect	Percent*	Actual	Normal	Excess or Defect	Percent*
1. East Bengal	2.5	1.7	+ 0.8	+ 45	8.9	5.2	+ 3.7	+ 71
2. Deltaic Bengal	5.3	1.2	+ 4.1	+347	6.3	3.0	+ 3.2	+106
3. North Bengal	2.5	0.9	+ 1.5	+160	6.1	2.2	+ 3.9	+175
4. Kashmir**								
5. North Punjab	0.0	0.2	-0.2	-100	0.2	0.9	-0.7	- 82
6. South Punjab	0.0	0.1	-0.1	-100	0.0	0.3	-0.2	- 96
7. N. W. F. P.	0.0	0.2	-0.2	-100	1.1	1.2	-0.1	- 6
8. North Baluchistan	0.0	0.1	-0.1	-100	0.3	0.7	-0.4	- 61
9. South Baluchistan	0.0	0.0	0	-100	0.1	0.5	-0.4	- 86
10. Sind	0.0	0.0	0	-100	0.0	0.1	-0.1	-100
11. Junagadh**								

*In the calculation of excesses and defects and the percentages rainfall figures are taken correct to 0.01"

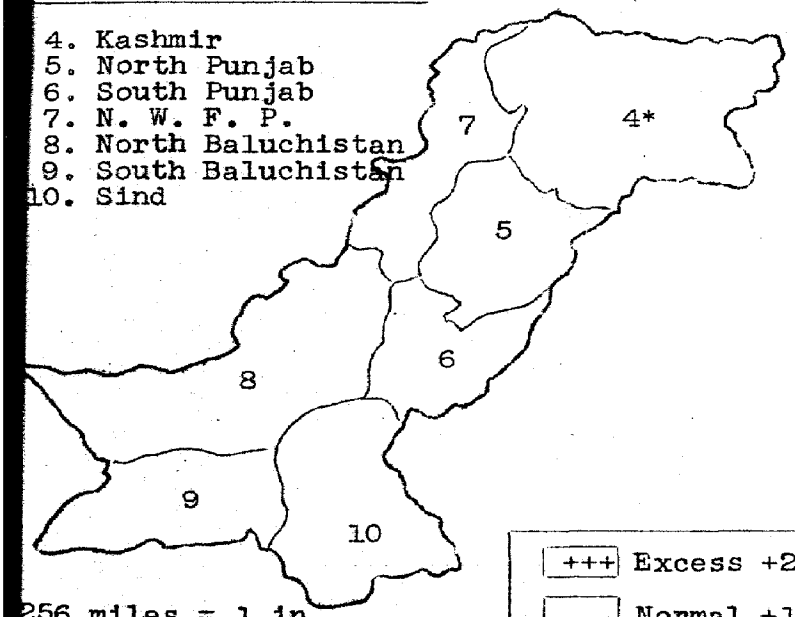
**Data not available

PAKISTAN METEOROLOGICAL SERVICE

Rainfall
for
The Week Ending
27th April 1949

West Pakistan & Kashmir

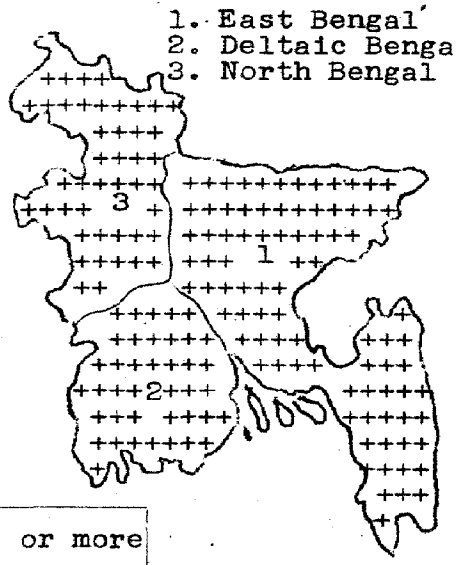
4. Kashmir
5. North Punjab
6. South Punjab
7. N. W. F. P.
8. North Baluchistan
9. South Baluchistan
10. Sind



256 miles = 1 in

East Pakistan

1. East Bengal
2. Deltaic Bengal
3. North Bengal



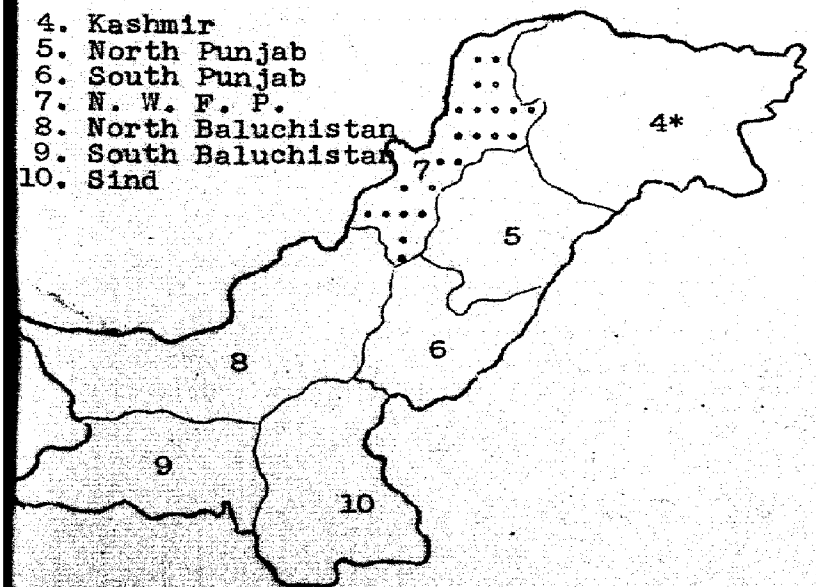
120 miles = 1 in

+++ Excess +20% or more
... Normal +19% to -19%
--- Deficient -20% to -59%
Scanty -60% or less

Rainfall for the period
1.4.1949 to 27.4.1949.

West Pakistan & Kashmir

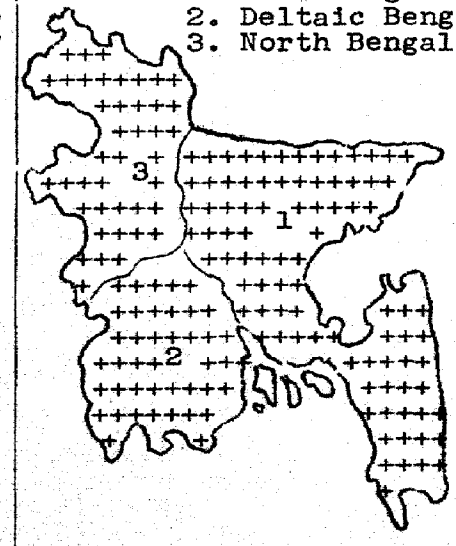
4. Kashmir
5. North Punjab
6. South Punjab
7. N. W. F. P.
8. North Baluchistan
9. South Baluchistan
10. Sind



256 miles = 1 in.

East Pakistan

1. East Bengal
2. Deltaic Bengal
3. North Bengal



120 miles = 1 in.

*Data not available.

GOVERNMENT OF PAKISTAN PAKISTAN METEOROLOGICAL SERVICES.

WEEKLY WEATHER REPORT

for
Pakistan and Kashmir
For the week ending at 0300 hrs. G.M.T. on 4th May 1949.

A feeble western disturbance passed across the extreme north of Western Pakistan during the week and caused isolated dust or thunderstorms in north Punjab on the 1st May. The weather otherwise continued to remain dry in Western Pakistan. Temperatures were appreciably to markedly above normal on the first four days of the week, began falling thereafter but continued above normal. Fairly widespread norwester thunderstorms with local heavy to very heavy falls were reported from east Bengal on all the days of the week except the 2nd May, deltaic Bengal on the 1st May and north Bengal on the 28th April and the 1st and 3rd May. The chief amounts of rainfall were Comilla 9" and Mymensingh and Srimangal 4" each on the 28th, Comilla and Sirajganj 4" each on the 29th April, Chittagong 3" on the 1st and Bogra 3" on the 3rd May. Local thundershowers occurred in north and deltaic Bengal on the 28th and 30th April and 4th May. A few thundershowers were also recorded at east and north Bengal on the 2nd and deltaic Bengal on the 3rd.

Day temperatures continued markedly below normal except the last two days of the week when they were slightly below normal. Night temperatures generally remained slightly below normal throughout the week.

EASTERN PAKISTAN.- Rainfall was nearly general on 6 days in east Bengal, on three days in north Bengal and on one day in deltaic Bengal.Local rain occurred on 3 days in deltaic Bengal and on 2 days in north Bengal, while a few falls were also reported on one day each from east and north Bengal.

WESTERN PAKISTAN.- Dry weather continued except for a few falls over Murree hills on one day of the week.

The week's rainfall was in large excess in all the divisions of Eastern Pakistan while it was scanty in the whole of Western Pakistan.

The rainfall for the period from 1st April 1949 to date was in excess in all the divisions of Eastern Pakistan. It was normal in the North West Frontier Province and scanty elsewhere in Western Pakistan.

The table overleaf summarises the rainfall statistics for the 11 sub-divisions of Pakistan for the week and period from 1st April 1949 to date.

A.W.KHAN
Meteorologist,
for Director, Meteorological Services.

Divisions	Rainfall for the week ending on 4.5.1949				Rainfall for the period 1.4.49 to 4.5.49			
	Actual	Normal	Excess or Defect	Percent*	Actual	Normal	Excess or Defect	Percent*
1. East Bengal	7.9	2.4	+5.5	+230	16.8	7.6	+ 9.2	+121
2. Deltaic Bengal	3.2	1.3	+1.9	+153	9.4	4.3	+ 5.1	+120
3. North Bengal	4.4	1.0	+3.5	+357	10.5	3.2	+ 7.3	+230
4. Kashmir**								
5. North Punjab	0.0	0.1	-0.1	-100	0.2	1.1	- 0.9	- 85
6. South Punjab	0.0	0.0	0.0	-100	0.0	0.3	- 0.3	- 96
7. N. W. F. P.	0.0	0.1	-0.1	-100	1.1	1.3	- 0.2	- 16
8. North Baluchistan	0.0	0.1	-0.1	-100	0.3	0.8	- 0.5	- 65
9. South Baluchistan	0.0	0.0	0.0	-100	0.1	0.5	- 0.4	- 86
10. Sind	0.0	0.1	-0.1	-100	0.0	0.2	- 0.2	-100
11. Junagadh**								

*In the calculation of excesses and defects and the percentages rainfall figures are taken correct to 0.01"

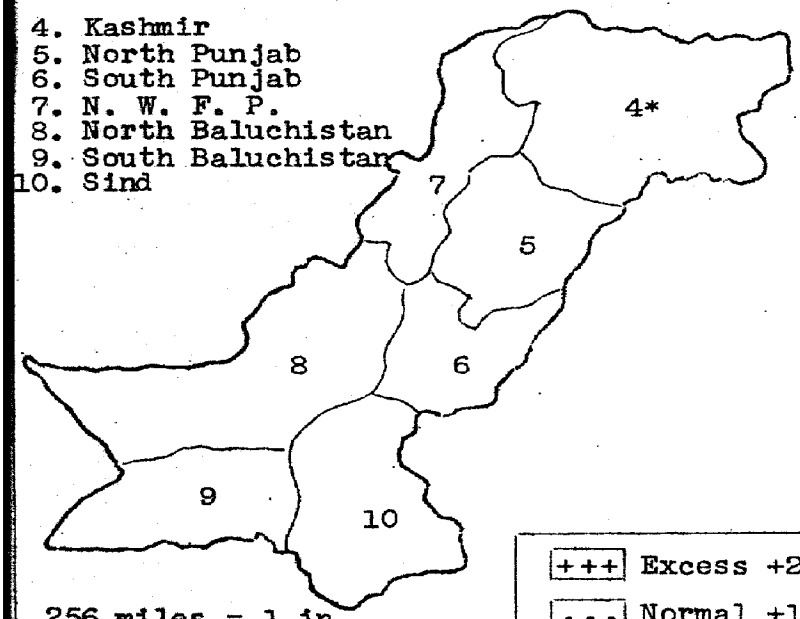
**Data not available.

PAKISTAN METEOROLOGICAL SERVICE.

Rainfall for The Week Ending 4th May 1949.

West Pakistan.

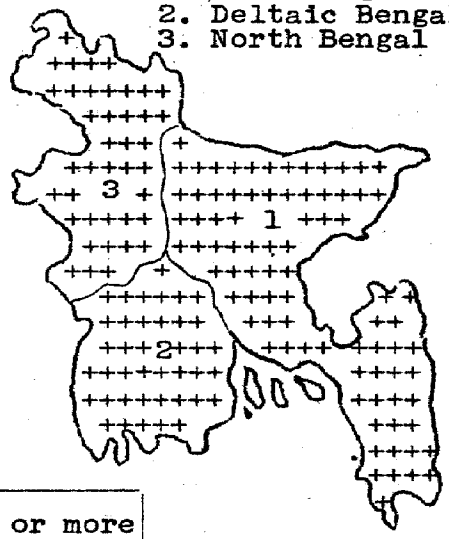
4. Kashmir
5. North Punjab
6. South Punjab
7. N. W. F. P.
8. North Baluchistan
9. South Baluchistan
10. Sind



256 miles = 1 in.

East Pakistan

1. East Bengal
2. Deltaic Bengal
3. North Bengal



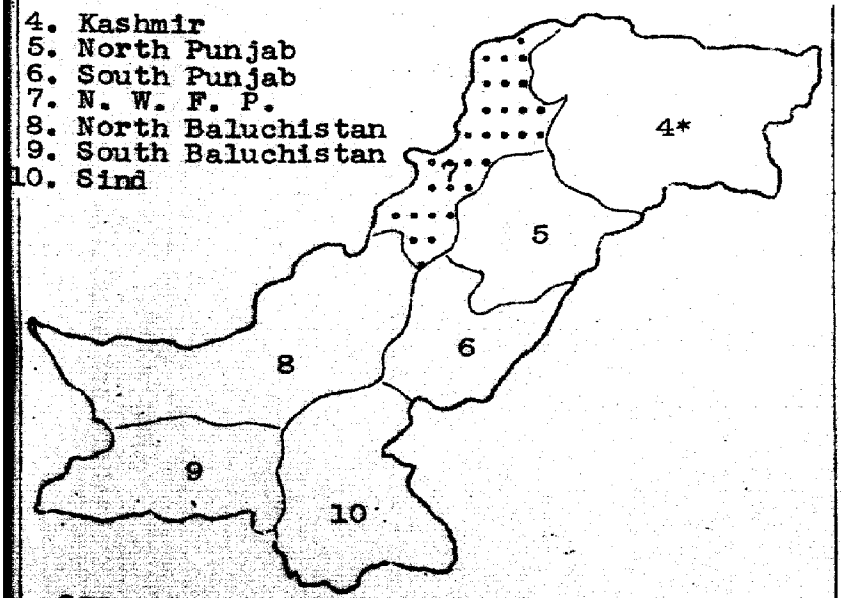
120 miles = 1 in

+++ Excess +20% or more
... Normal +19% to -19%
--- Deficient -20% to -59%
Scanty -60% or less

Rainfall for the period 1.4.49 to 4.5.1949.

West Pakistan

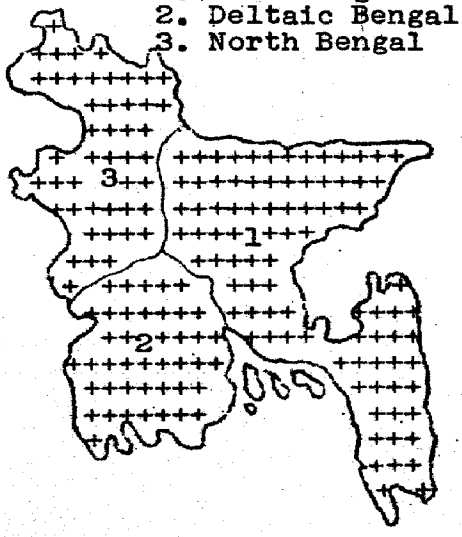
4. Kashmir
5. North Punjab
6. South Punjab
7. N. W. F. P.
8. North Baluchistan
9. South Baluchistan
10. Sind



256 miles = 1 in.

East Pakistan

1. East Bengal
2. Deltaic Bengal
3. North Bengal



120 miles = 1 in.

*Data not available.

GOVERNMENT OF PAKISTAN PAKISTAN METEOROLOGICAL SERVICE.

WEEKLY WEATHER REPORT

for

Pakistan and Kashmir

For the week ending at 0300 hrs. G.M.T. on 11th May 1949.

One western disturbance passed across the northern parts of West Pakistan during the week. Local thundershowers were recorded in the upper North West Frontier Province on the 5th, 9th and 11th and the north Punjab on the 11th. Isolated thunderstorms occurred in the hills of the upper North West Frontier Province on the remaining days of the week and in the north Punjab on the 9th and 10th. Day temperatures remained appreciably to markedly above normal. Night temperature was nearly normal in the beginning of the week but gradually became appreciably to markedly above normal towards the second half of the week and continued as such for the remaining days.

Nearly general norwester thunderstorms were recorded in East Pakistan on the first day of the week, Comilla and Srimangal recording the heavy rainfall amounts of 5 and 4 inches respectively. Fairly widespread thundershowers occurred in east Bengal on the second day of the week also. Local thundershowers were reported from east Bengal on the 8th and deltaic Bengal from 6th to 9th and isolated thunderstorms from north Bengal on the 7th and 8th. The weather remained dry on the last two days. Temperatures continued generally below normal throughout the week.

EASTERN PAKISTAN.- Rainfall was nearly general on two days each in east and deltaic Bengal. It was local on three days in deltaic Bengal and on one day in north Bengal. A few falls occurred on two days in north Bengal and in east Bengal on one day.

WESTERN PAKISTAN.- The weather was mainly dry except for a few falls on three days in the North West Frontier Province hills and on one day in the Murree hills.

The week's rainfall was excess in north and deltaic Bengal. It was within 20% of the normal in north Bengal and the North West Frontier Province, while it was 89% in defect in the north Punjab and 100% elsewhere.

The rainfall for the period from 1st April to date was in large excess in Eastern Pakistan, normal in the North West Frontier Province and 69% to 100% in defect elsewhere.

The table overleaf summarises the rainfall statistics for the 11 subdivisions of Pakistan for the week and the period from 1st April 1949 to date.

A.W.KHAN
Meteorologist,
for Director, Meteorological Services.

Divisions	Rainfall for the week ending on 11.5.1949				Rainfall for the period 1.4.49 to 11.5.49			
	Actual	Normal	Excess or Defect	Percent*	Actual	Normal	Excess or Defect	Percent*
1. East Bengal	3.1	2.4	+0.6	+ 27	19.8	10.0	+9.8	+ 98
2. Deltaic Bengal	2.9	1.7	+1.3	+ 26	12.3	5.9	+6.4	+108
3. North Bengal	0.8	0.7	0.0	+ 3	11.3	3.9	+7.3	+187
4. Kashmir**								
5. North Punjab	0.0	0.2	-0.2	- 89	0.2	1.2	-1.1	- 85
6. South Punjab	0.0	0.0	0.0	-100	0.0	0.3	-0.3	- 97
7. N. W. F. P.	0.1	0.1	0.0	- 17	1.2	1.5	-0.2	- 16
8. North Baluchistan	0.0	0.1	-0.1	-100	0.3	0.9	-0.6	- 69
9. South Baluchistan	0.0	0.0	0.0	-100	0.1	0.5	-0.5	- 87
10. Sind	0.0	0.0	0.0	-100	0.0	0.2	-0.2	-100
11. Junagadh**								

*In the calculation of excesses and defects and the percentages rainfall figures are taken correct to 0.01"

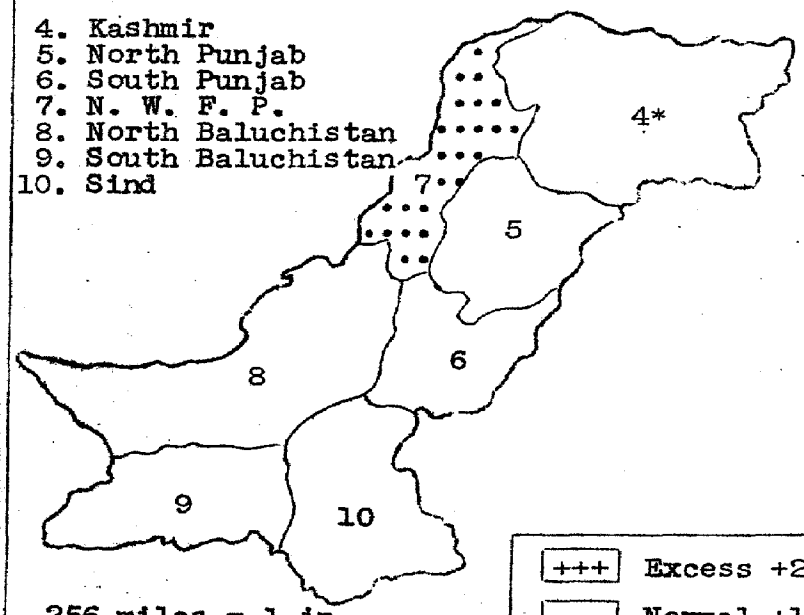
**Data not available.

PAKISTAN METEOROLOGICAL SERVICE.

Rainfall
for
The Week Ending
11th May 1949

West Pakistan

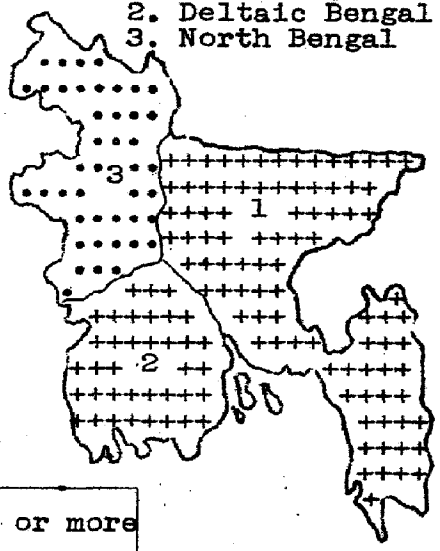
4. Kashmir
5. North Punjab
6. South Punjab
7. N. W. F. P.
8. North Baluchistan
9. South Baluchistan
10. Sind



256 miles = 1 in

East Pakistan

1. East Bengal
2. Deltaic Bengal
3. North Bengal



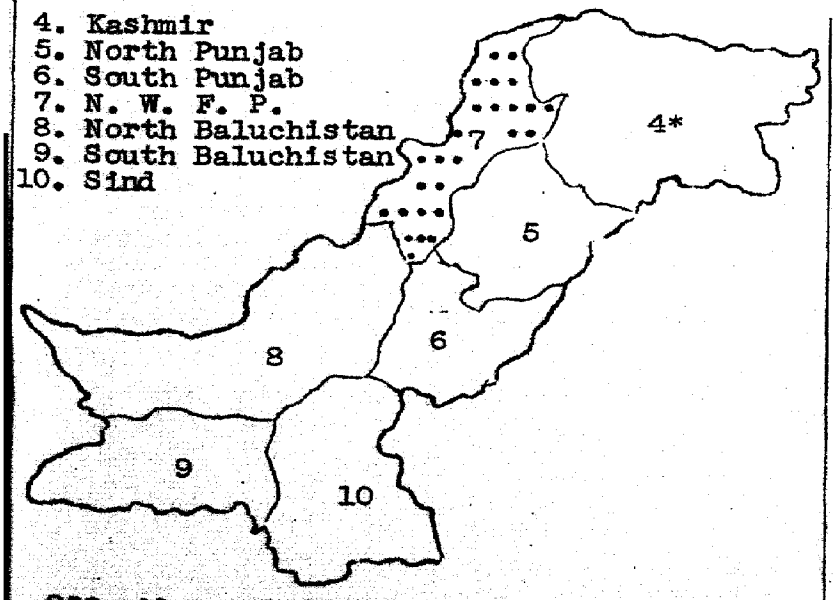
120 miles = 1 in

+++ Excess +20% or more
... Normal +19% to -19%
--- Deficient -20% to -59%
Scanty -60% or less

Rainfall for the period
1.4.1949 to 11.5.1949.

West Pakistan

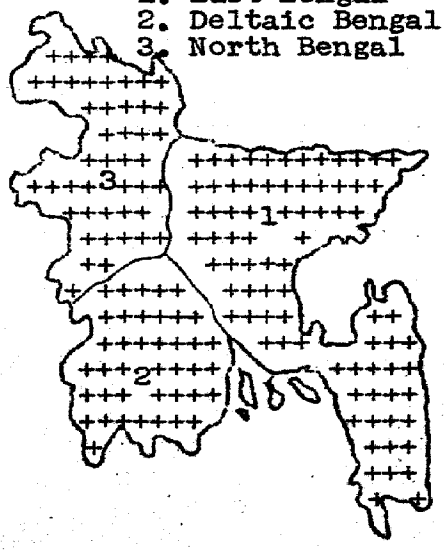
4. Kashmir
5. North Punjab
6. South Punjab
7. N. W. F. P.
8. North Baluchistan
9. South Baluchistan
10. Sind



256 miles = 1 in.

East Pakistan

1. East Bengal
2. Deltaic Bengal
3. North Bengal



120 miles = 1 in.

*Data not available

GOVERNMENT OF PAKISTAN. PAKISTAN METEOROLOGICAL SERVICE.

WEEKLY WEATHER REPORT

for

Pakistan and Kashmir

For the week ending at 0300 hrs. G.M.T. on 18th May 1949.

A well marked low pressure area persisted over the south Punjab and the adjoining regions during the first two days of the week and under its influence scattered dust and thunderstorms with isolated light showers occurred in the north Punjab and the Upper North West Frontier Province during first two days of the week. The weather, otherwise, remained dry in West Pakistan. Day temperatures continued to be appreciably above normal in West Pakistan outside the coastal areas where they remained nearly normal to slightly below normal.

Nor'wester thundershowers were fairly widespread in Eastern Pakistan on the first two days of the week. They were local in East Bengal on the 14th, 15th and 18th, in deltaic Bengal on the 14th and in the north Bengal on the 17th and the 18th. A few falls were also reported from East Bengal on the 16th, deltaic Bengal on the 15th and north Bengal on the 16th. Temperatures continued generally below normal throughout the week.

EASTERN PAKISTAN.

Nearly general rain occurred on two days in east Bengal and on one day in north Bengal. Rainfall was local on two days in east, deltaic and north Bengal while a few falls occurred on one day in east Bengal.

WESTERN PAKISTAN.

Dry weather prevailed except for a few falls in the north Punjab and over Murree hills on one day of the week.

The week's rainfall was in excess in east, deltaic and north Bengal. It was scanty in north and south Punjab, North West Frontier Province, Baluchistan and Sind. The rainfall for the period from 1st April 1949 to date was in excess in east, deltaic and north Bengal. It was deficient in North West Frontier Province while in north and south Punjab, Baluchistan and Sind it was scanty.

The table overleaf summarises the rainfall statistics for the 11 sub divisions of Pakistan for the week and the period from 1st April 1949 to date.

A.W.KHAN
Meteorologist
for Director, Meteorological Service.

Divisions	Rainfall for the week ending on 18.5.1949				Rainfall for the period 1.4.49 to 18.5.49			
	Actual	Normal	Excess or Defect	Percent*	Actual	Normal	Excess or Defect	Percent*
1. East Bengal	3.7	2.4	+1.3	+ 52	23.5	12.4	+11.1	+ 89
2. Deltaic Bengal	2.2	1.5	+0.6	+ 39	14.6	7.5	+ 7.1	+ 95
3. North Bengal	2.9	2.3	+0.6	+ 24	14.1	6.2	+ 7.9	+127
4. Kashmir**								
5. North Punjab	0.0	0.3	-0.2	- 96	0.2	1.5	- 1.3	- 87
6. South Punjab	0.0	0.1	-0.1	-100	0.0	0.4	- 0.4	- 97
7. N. W. F. P.	0.0	0.2	-0.2	-100	1.2	1.6	- 0.4	- 25
8. North Baluchistan	0.0	0.1	-0.1	-100	0.3	1.0	- 0.7	- 72
9. South Baluchistan	0.0	0.1	-0.1	-100	0.1	0.6	- 0.5	- 88
10. Sind	0.0	0.0	0.0	-100	0.0	0.2	- 0.2	-100
11. Junagadh**								

*In the calculation of excesses and defects and the percentages rainfall figures are taken correct to 0.01"

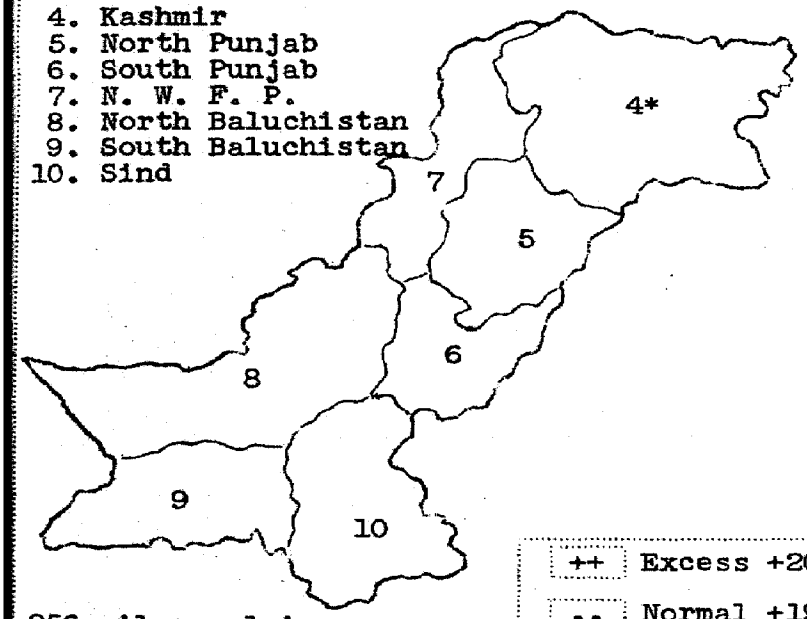
**Data not available.

PAKISTAN METEOROLOGICAL DEPARTMENT

Rainfall for The Week Ending 18th May 1949

West Pakistan

4. Kashmir
5. North Punjab
6. South Punjab
7. N. W. F. P.
8. North Baluchistan
9. South Baluchistan
10. Sind



256 miles = 1 in.

East Pakistan

1. East Bengal
2. Deltaic Bengal
3. North Bengal

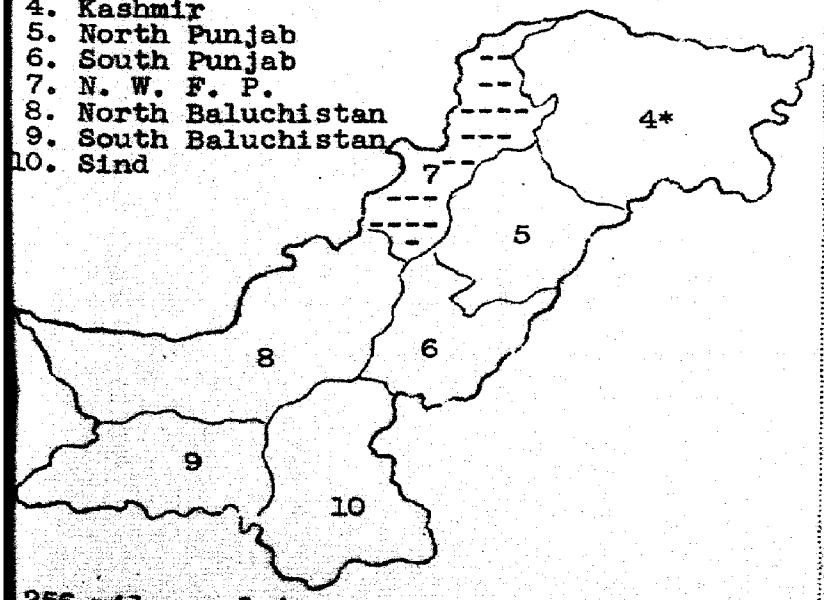
120 miles = 1 in

++ Excess +20% or more
•• Normal +19% to -19%
-- Deficient -20% to -59%
Scanty -60% or less

Rainfall for the period 1.4.1949 to 18.5.1949.

West Pakistan

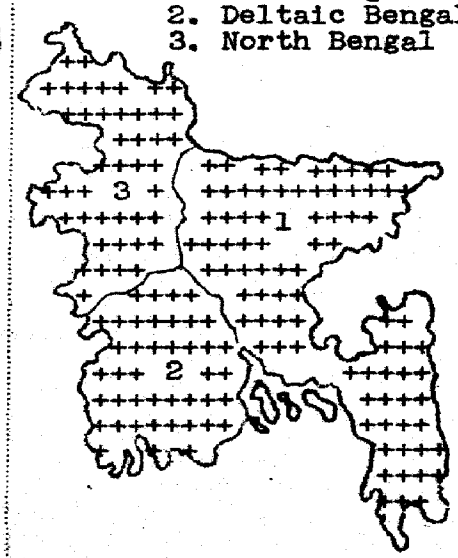
4. Kashmir
5. North Punjab
6. South Punjab
7. N. W. F. P.
8. North Baluchistan
9. South Baluchistan
10. Sind



256 miles = 1 in.

East Pakistan

1. East Bengal
2. Deltaic Bengal
3. North Bengal



120 miles = 1 in.

*Data not available

GOVERNMENT OF PAKISTAN. METEOROLOGICAL SERVICE.

WEEKLY WEATHER REPORT

for

Pakistan and Kashmir

For the week ending at 0300 hrs. G.M.T. on 25th May 1949.

A low pressure wave from the west accentuated the seasonal low over Baluchistan. Thundershowers occurred locally in the North West Frontier Province and the north Punjab on all days of the week while few dust or thunderstorms were reported from north Baluchistan from 22nd - 24th and from south Punjab on 21st and 23rd. Local scattered thundershowers were reported from east and north Bengal on all days of the week they were widespread in north Bengal on 19th and 20th and were widespread and locally heavy in east and north Bengal on 23rd; chief amounts of rainfall are Mymensingh 5", Comilla, Sirajganj and Bogra 3" each. Local or scattered thundershowers occurred in deltaic Bengal on 20th, 21st, 23rd, 24th and were widespread and locally heavy on 25th chief amount being Satkhira 3".

Temperatures continued above normal in Western Pakistan while in Eastern Pakistan days were cooler than normal on first two days and nights were slightly warmer throughout the week.

EASTERN PAKISTAN

Nearly general rain occurred on three days in north Bengal and on one day each in deltaic and east Bengal. Rainfall was local on three days in east Bengal and on two days in north Bengal while a few falls occurred on three days in deltaic Bengal on two days in east Bengal and on one day in north Bengal.

WESTERN PAKISTAN.

Rainfall occurred locally on one day in the north Punjab and at a few stations on four days in the North West Frontier Province on two days in north Baluchistan and on one day in north Punjab. Few falls also occurred on three days in the hills of the North West Frontier Province and on one day in the hills of the north Punjab.

The week's rainfall was in excess in east and north Bengal and the North West Frontier Province. It was normal in deltaic Bengal and south Baluchistan and deficient in the north Punjab, while it was scanty in the south Punjab, north Baluchistan and Sind.

Rainfall for the period from 1st April 1949 to date was in excess in east, deltaic and north Bengal; it was normal in the North West Frontier Province and scanty in the north and south Punjab, north and south Baluchistan and Sind.

The table overleaf summarises the rainfall statistics for the 11 sub divisions of Pakistan for the week and the period from 1st April 1949 to date

A.W KHAN
Meteorologist,
for Director, Meteorological Service.

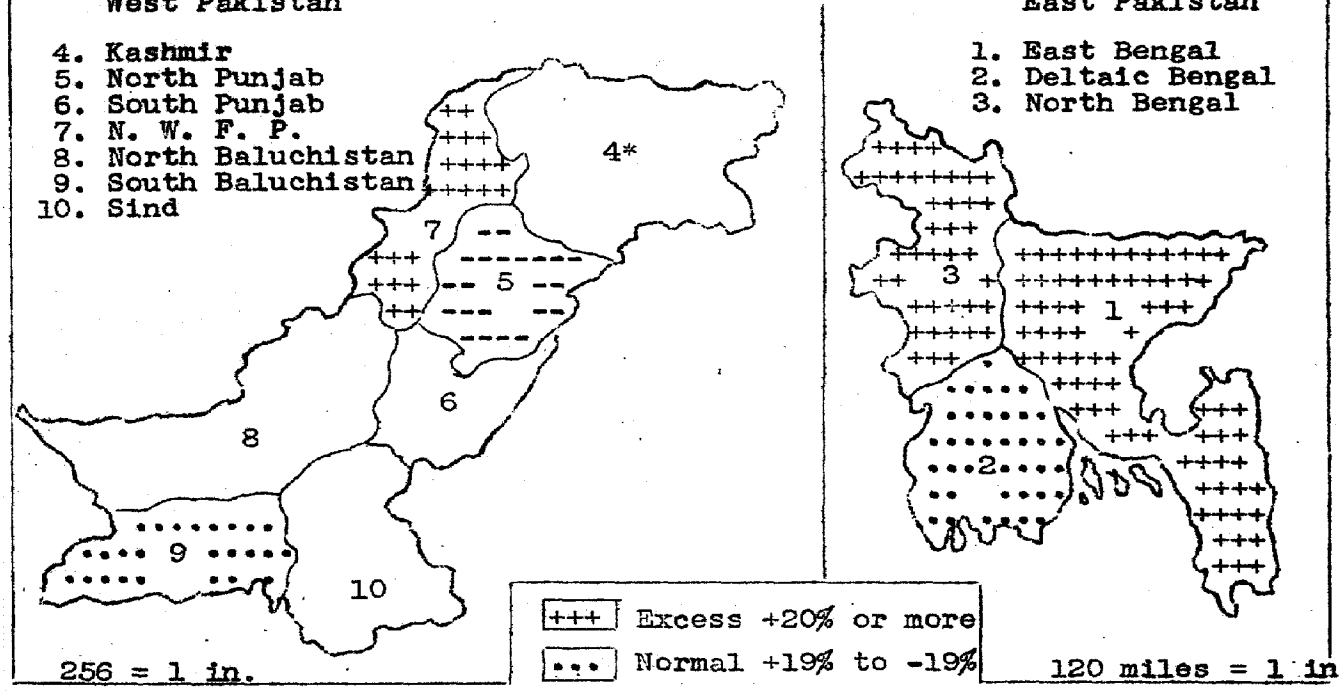
Divisions	Rainfall for the week ending on 25.5.1949				Rainfall for the period 1.4.49 to 25.5.49			
	Actual	Normal	Excess or Defect	Percent*	Actual	Normal	Excess or Defect	Percent*
1. East Bengal	3.6	2.7	+0.9	+ 33	27.1	15.1	+12.0	+ 80
2. Deltaic Bengal	1.4	1.6	-0.2	- 15	15.9	9.1	+ 6.9	+ 75
3. North Bengal	4.0	2.1	+1.8	+ 89	16.1	8.3	+ 7.8	+ 93
4. Kashmir**								
5. North Punjab	0.1	0.2	-0.1	- 29	0.3	1.7	- 1.3	- 80
6. South Punjab	0.0	0.1	-0.1	- 75	0.0	0.5	- 0.5	- 94
7. N. W. F. P.	0.3	0.1	+0.2	+175	1.6	1.8	- 0.2	- 11
8. North Baluchistan	0.0	0.1	-0.1	-100	0.3	1.1	- 0.9	- 75
9. South Baluchistan	0.0	0.0	0.0	-100	0.1	0.6	- 0.5	- 88
10. Sind	0.0	0.0	0.0	-100	0.0	0.2	- 0.2	-100
11. Junagadh**								

*In the calculation of excesses and defects and the percentages rainfall figures are taken correct to 0.01"

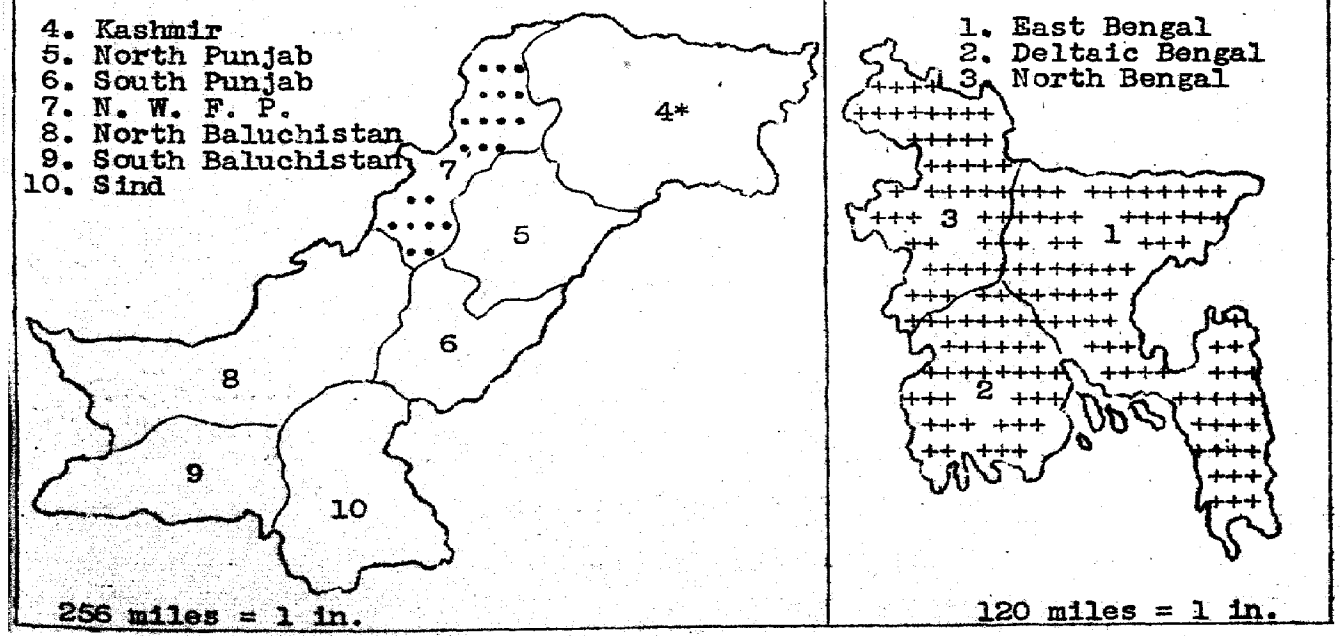
**Data not available.

PAKISTAN METEOROLOGICAL DEPARTMENT

Rainfall for The Week Ending 25th May 1949



Rainfall for the period 1.4.1949 to 25.5.1949.



*Data not available.

GOVERNMENT OF PAKISTAN PAKISTAN METEOROLOGICAL SERVICE.

WEEKLY WEATHER REPORT

for

Pakistan and Kashmir

For the week ending at 0300 hrs. G.M.T. on 1st June 1949.

A low pressure wave from the west while moving across the North West Frontier Province caused local thunderstorms in the North West Frontier Province and the north Punjab and isolated duststorms in north Baluchistan on the first two days of the week. The weather thereafter remained dry in Western Pakistan except on the last day when under the influence of another low pressure wave from the west scattered dust or thunderstorms were reported from north Baluchistan, the North West Frontier Province and the north Punjab. Local rain was reported from Eastern Pakistan on the 28th and the 30th May, while scattered rain occurred there on the remaining days. A few heavy falls were also recorded during the week; the noteworthy amounts of rainfall being Cox's Bazar 10" and Khulna 4" on the 31st and Dinajpur 4" on the 28th May.

Temperatures were not far from normal during the week.

EASTERN PAKISTAN.

Rainfall was nearly general on two days in north Bengal. It was local on two days each in east and north Bengal and on one day in deltaic Bengal. A few falls were recorded on five days in east Bengal and on four days in deltaic Bengal.

WESTERN PAKISTAN.

Except for a few falls on one day each in the plains and one day each in the hills of the north Punjab and North West Frontier Province, the weather remained dry.

The week's rainfall was in excess in the North West Frontier Province, normal in deltaic and north Bengal and south Baluchistan; deficient in east Bengal and scanty in the Punjab, north Baluchistan and Sind.

Rainfall for the period from 1st April 1949 to date was in excess in Eastern Pakistan, normal in the North West Frontier Province and scanty elsewhere.

The table overleaf summarises the rainfall statistics for the 11 sub divisions of Pakistan for the week and period from 1st April 1949 to date.

N.A.QURESHI
Meteorologist
for Director, Meteorological Service.

Divisions	Rainfall for the week ending on 1.6.1949				Rainfall for the period 1.4.49 to 1.6.49			
	Actual	Normal	Excess or Defect	Percent*	Actual	Normal	Excess or Defect	Percent*
1. East Bengal	2.7	3.7	- 0.9	- 26	29.8	18.8	+11.1	+ 59
2. Deltaic Bengal	2.0	2.4	- 0.4	- 16	18.0	11.5	+ 6.5	+ 56
3. North Bengal	3.5	3.3	+ 0.2	+ 6	19.6	11.6	+ 8.0	+ 69
4. Kashmir**								
5. North Punjab	0.0	0.1	- 0.1	- 63	0.4	1.8	- 1.4	- 79
6. South Punjab	0.0	0.1	0.0	- 80	0.0	0.5	- 0.5	- 92
7. N. W. F. P.	0.1	0.1	+ 0.1	+ 71	1.7	1.8	- 0.1	- 8
8. North Baluchistan	0.0	0.1	- 0.1	-100	0.3	1.2	- 0.9	- 77
9. South Baluchistan	0.0	0.0	0.0	0	0.1	0.6	- 0.5	- 88
10. Sind	0.0	0.0	0.0	-100	0.0	0.3	- 0.3	-100
11. Junagadh**								

*In the calculation of excesses and defects and the percentages rainfall figures are taken correct to 0.01".

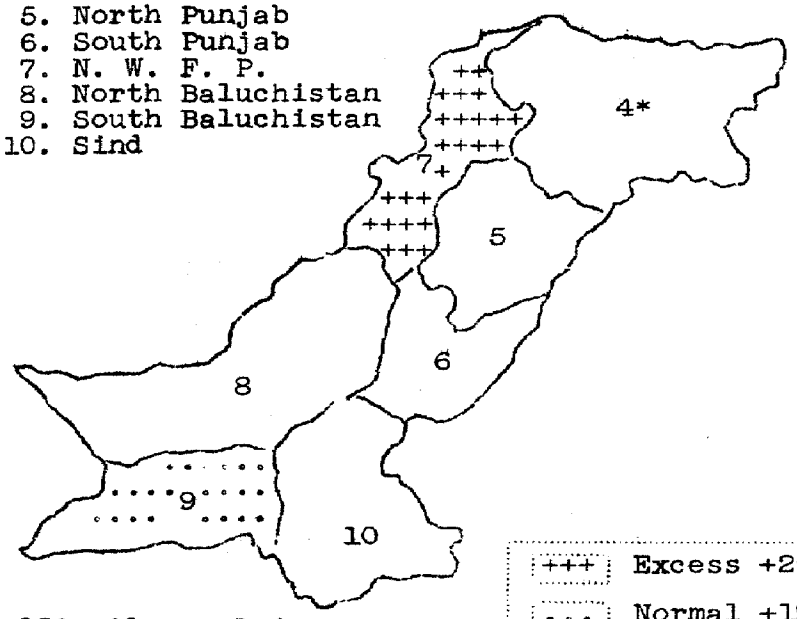
**Data not available.

PAKISTAN METEOROLOGICAL DEPARTMENT

Rainfall
for
The Week Ending
1st June 1949

West Pakistan

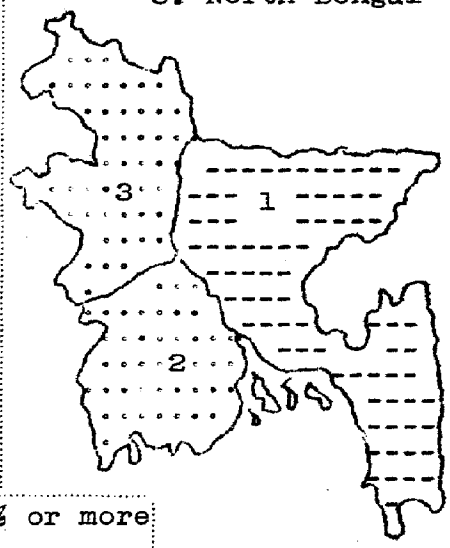
4. Kashmir
5. North Punjab
6. South Punjab
7. N. W. F. P.
8. North Baluchistan
9. South Baluchistan
10. Sind



256 miles = 1 in.

East Pakistan

1. East Bengal
2. Deltaic Bengal
3. North Bengal



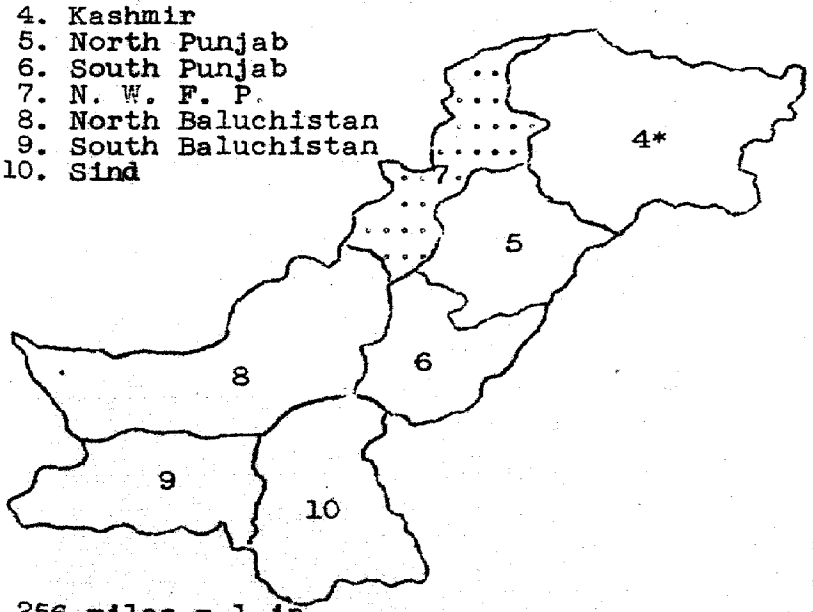
120 miles = 1 in

+++ Excess +20% or more
... Normal +19% to -19%
--- Deficient -20% to -59%
Scanty -60% or less

Rainfall for the period
1.4.1949 to 1.6.1949.

West Pakistan

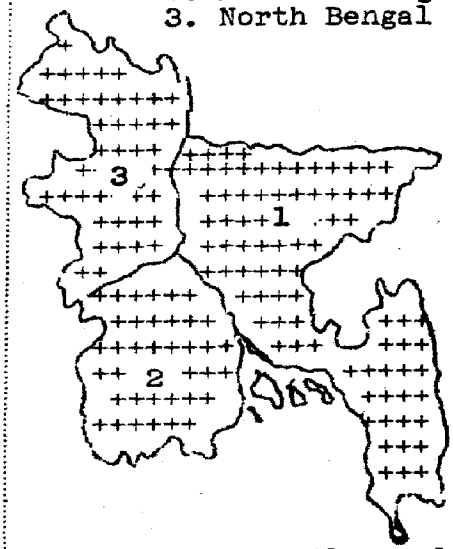
4. Kashmir
5. North Punjab
6. South Punjab
7. N. W. F. P.
8. North Baluchistan
9. South Baluchistan
10. Sind



256 miles = 1 in.

East Pakistan

1. East Bengal
2. Deltaic Bengal
3. North Bengal



120 miles = 1 in.

*Data not available

GOVERNMENT OF PAKISTAN. PAKISTAN METEOROLOGICAL SERVICE

W E E K L Y W E A T H E R R E P O R T

for
Pakistan and Kashmir
For the week ending at 0300 hrs. G.M.T. on 8th June 1949.

Last week's low pressure wave from the west while moving across Western Pakistan caused scattered duststorms in northeast Baluchistan, upper Sind, the south Punjab and the North West Frontier Province on the first day and local thundershowers in the north Punjab and the adjoining districts of the south Punjab on the first two days of the week. Another well-marked disturbance from the west brought in its wake local duststorms in north Baluchistan and the south Punjab from the 4th to 6th June while local thundershowers were recorded in the north Punjab and the North West Frontier Province on the last four days of the week. Isolated duststorms were also reported from Sind on the 7th June. Temperatures were appreciably to markedly below normal in the North West Frontier Province and the north Punjab throughout the week. Elsewhere in Western Pakistan also temperatures remained below normal except on the 4th and 5th June when night temperatures were slightly above normal.

Scattered rain fell in Eastern Pakistan during the first three days of the week while local rain was recorded there on the remaining days. The noteworthy heavy rainfall amounts during the week are Cox's Bazar 7" and Chittagong, Comilla, Brahmanbaria 3" each on the 5th, Sirajgunj 4" on the 6th and Rangpur 3" on the 2nd. Temperatures in Eastern Pakistan were slightly above normal.

EASTERN PAKISTAN.

Rainfall was local on four days each in east and deltaic Bengal and on one day in north Bengal. A few falls were recorded on three days each in east and north Bengal and on two days in deltaic Bengal.

WESTERN PAKISTAN.

Rainfall was nearly general on one day in the north Punjab. It was local in the north Punjab on two days and the hills of the North West Frontier Province on one day. A few falls were recorded on two days in the North West Frontier Province on one day in the Punjab.

The rainfall during the week was in large excess in the Punjab and the North West Frontier Province, normal in east and north Bengal and south Baluchistan and scanty in Sind and north Baluchistan.

The table overleaf summarises the rainfall statistics for the 11 sub divisions of Pakistan for the week and period from 1st June 1949 to date.

N.A.QURESHI
Meteorologist
for Director, Meteorological Service.

Divisions	Rainfall for the week ending on 8.6.1949				Rainfall for the period 1.6.49 to 8.6.49			
	Actual	Normal	Excess or Defect	Percent*	Actual	Normal	Excess or Defect	Percent*
1. East Bengal	3.9	3.9	0	- 1	4.0	4.5	-0.5	- 12
2. Deltaic Bengal	1.3	2.3	-1.0	- 90	2.2	2.5	-0.3	- 13
3. North Bengal	2.5	2.9	-0.5	- 16	2.5	3.4	-0.9	- 27
4. Kashmir**								
5. North Punjab	0.6	0.1	+0.5	+482	0.7	0.2	+0.5	+442
6. South Punjab	0.2	0	+0.2	+1900	0.2	0	+0.2	+1900
7. N. W. F. P.	0.2	0.1	+0.1	+157	0.2	0.1	+0.1	+125
8. North Baluchistan	0	0	0	-100	0	0.1	-0.1	-100
9. South Baluchistan	0	0	0	0	0	0	0	0
10. Sind	0	0	0	-100	0	0	0	-100
11. Junagadh**								

*In the calculation of excesses and defects and the percentages rainfall figures are taken correct to 0.01"

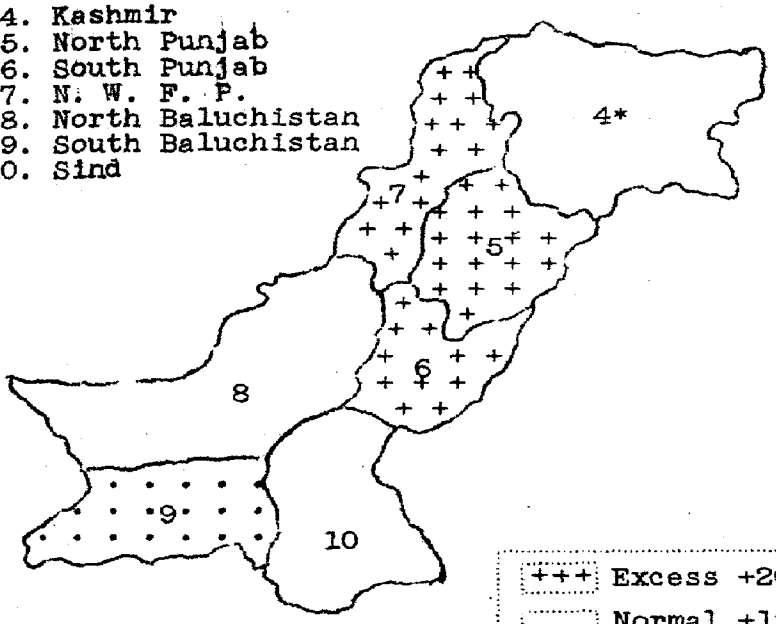
**Data not available.

PAKISTAN METEOROLOGICAL DEPARTMENT

Rainfall for The Week Ending 8th June 1949

West Pakistan

4. Kashmir
5. North Punjab
6. South Punjab
7. N. W. F. P.
8. North Baluchistan
9. South Baluchistan
10. Sind



256 miles = 1 in.

East Pakistan

1. East Pakistan
2. Deltaic Bengal
3. North Bengal

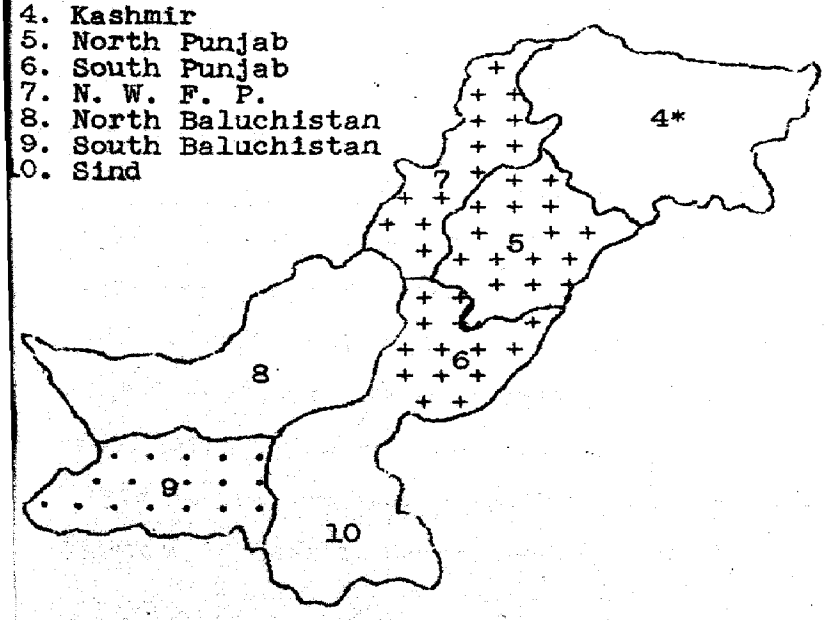
120 miles = 1 in

+++ Excess +20% or more
... Normal +19% to -19%
--- Deficient -20% to -59%
Scanty -60% or less

Rainfall for the period 1.6.1949 to 8.6.1949.

West Pakistan

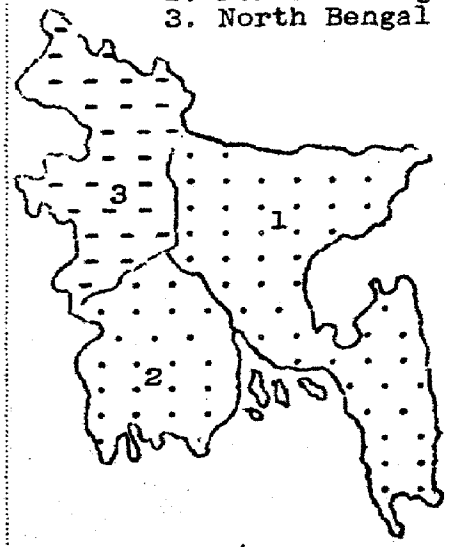
4. Kashmir
5. North Punjab
6. South Punjab
7. N. W. F. P.
8. North Baluchistan
9. South Baluchistan
10. Sind



256 miles = 1 in

East Pakistan

1. East Bengal
2. Deltaic Bengal
3. North Bengal



120 miles = 1 in.

*Data not available

GOVERNMENT OF PAKISTAN. PAKISTAN METEOROLOGICAL SERVICE.

W E E K L Y W E A T H E R R E P O R T

for

Pakistan and Kashmir

For the week ending at 0300 hrs. G.M.T. on 15th June 1949.

1. WESTERN PAKISTAN

The weather remained dry except for isolated dust or thunderstorms in the North West Frontier Province and the Punjab hills on the last two days of the week due to the passage of a low pressure wave across the northern divisions of Western Pakistan.

Temperatures were markedly below normal outside Lower Sind at the beginning of the week and due to gradual rise day by day they became normal towards the end of the week.

The week's rainfall was 100% in defect and the rainfall for period from 1st June to date was in excess in the Punjab, normal in the North West Frontier Province and 100% in defect elsewhere.

2. EASTERN PAKISTAN.

Moonsoon was active in Eastern Pakistan throughout the week. Heavy rain occurred particularly in the eastern sub-division. The chief amounts of heavy rainfall were:- Comilla 4" on 10th, Chittagong 6" on the 11th, Cox's Bazar 4" on the 12th, Sirajgunj 4" on the 13th and Brahmanbaria and Srimangal 6" each on the last day.

Rainfall was nearly general on five days each in the eastern and the northern sub-divisions and on four days in the deltaic sub-division, while local or a few falls occurred in all the three sub-divisions on one day each.

The week's rainfall was in excess throughout Eastern Pakistan while the rainfall for the period from 1st June to date was in excess in the eastern sub-division and normal elsewhere.

3. The table overleaf summarises the rainfall statistics for the 11 sub-divisions of Pakistan for the week and period from 1st June 1949 to date.

N.A.QURESHI
Meteorologist
for Director, Meteorological Service.

Divisions	Rainfall for the week ending on 15.6.1949				Rainfall for the period 1.6.49 to 15.6.49			
	Actual	Normal	Excess or Defect	Percent*	Actual	Normal	Excess or Defect	Percent*
1. East Bengal	8.6	4.4	+4.2	+ 97	12.6	8.9	+ 3.7	+ 42
2. Deltaic Bengal	3.7	2.8	+0.9	+ 34	6.2	5.3	+ 0.9	+ 16
3. North Bengal	5.0	3.1	+1.9	+ 59	7.4	6.5	+ 0.9	+ 15
4. Kashmir**								
5. North Punjab	0	0.2	-0.2	-100	0.7	0.3	+ 0.3	+ 86
6. South Punjab	0	0.1	-0.1	-100	0.2	0.2	0	+ 25
7. N. W. F. P.	0	0.1	-0.1	-100	0.2	0.2	0	- 5
8. North Baluchistan	0	0.1	-0.1	-100	0	0.1	- 0.1	-100
9. South Baluchistan	0	0	0	-100	0	0	0	-100
10. Sind	0	0.1	-0.1	-100	0	0.1	- 0.1	-100
11. Junagadh**								

*In the calculation of excesses and defects and the perfentages rainfall figures are taken correct to 0.01

**Data not available.

PAKISTAN METEOROLOGICAL DEPARTMENT

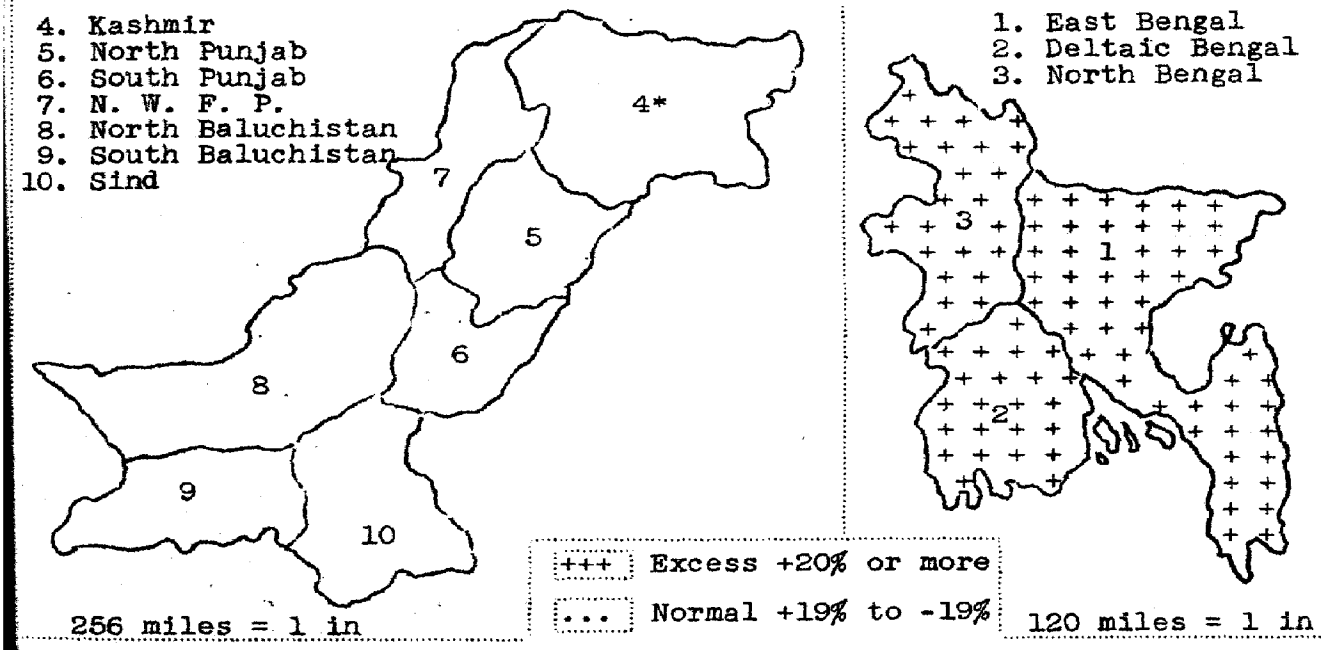
Rainfall for The Week Ending 15th June 1949

West Pakistan

4. Kashmir
5. North Punjab
6. South Punjab
7. N. W. F. P.
8. North Baluchistan
9. South Baluchistan
10. Sind

East Pakistan

1. East Bengal
2. Deltaic Bengal
3. North Bengal



256 miles = 1 in

120 miles = 1 in

+++ Excess +20% or more
... Normal +19% to -19%
--- Deficient -20% to -59%
Scanty -60% or less

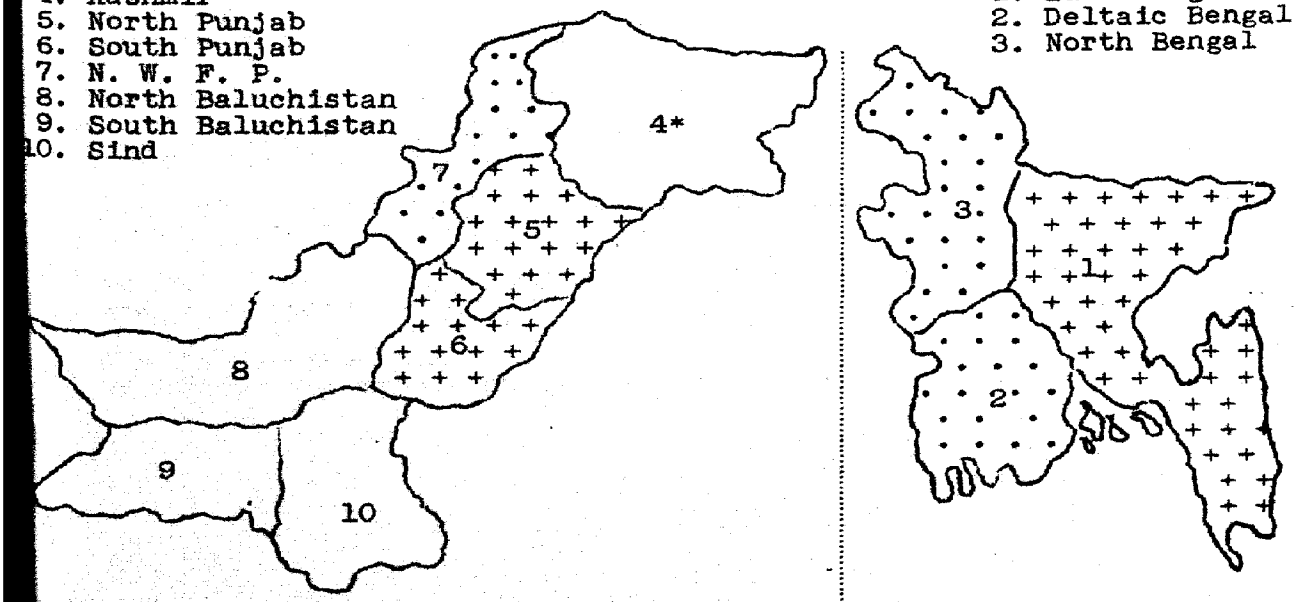
Rainfall for the period 1.6.1949 to 15.6.1949

West Pakistan

4. Kashmir
5. North Punjab
6. South Punjab
7. N. W. F. P.
8. North Baluchistan
9. South Baluchistan
10. Sind

East Pakistan

1. East Bengal
2. Deltaic Bengal
3. North Bengal



256 miles = 1 in.

120 miles = 1 in.

*Data not available.

GOVERNMENT OF PAKISTAN. PAKISTAN METEOROLOGICAL SERVICE.

W E E K L Y W E A T H E R R E P O R T

for

Pakistan and Kashmir

For the week ending at 0300 hrs. G.M.T. on 22nd June 1949.

1. WESTERN PAKISTAN.

Feeble western disturbances moving across the extreme north of the country affected the weather in Western Pakistan. Isolated duststorms and thunderstorms with light showers occurred in the North West Frontier Province and the north Punjab hills throughout the week. A few thunderstorms and light showers also occurr-in the plains of the western Punjab, Upper Sind and northeast Baluchistan, during the first half of the week.

Day temperatures were generally above normal in the West Punjab and below normal elsewhere.

Local rain fell on one day in the south Punjab. A few falls were also reported from the north Punjab hills on two days and on one day in Sind.

The week's rainfall was in excess in the south Punjab, normal in Sind and scanty elsewhere.

Rainfall for the period from 1st June 1949 to date was in excess in the south Punjab deficient in the north Punjab, the North West Frontier Province and Sind and scanty in Baluchistan.

2. EASTERN PAKISTAN.

Monsoon was moderate in the eastern sub-divisions and weak elsewhere. Fairly widespread to local rain occurred in the eastern sub-divisions on the 15th and 16th and again during the second half of the week. Local rain also occurred in the northern sub-divisions on the 20th, 21st and 22nd. The chief amounts of heavy rainfall were Mymensingh and Dinajpur 4" each and Srimangal 3" on the 21st, Rangpur 5" and Chittagong, Mymensingh and Srimangal 3" each on the 22nd. Day temperatures were generally normal during the week.

Nearly general rain fell on two days in north Bengal, it was local on two days each in north and east Bengal. A few falls were also reported on three days in east Bengal and on two days in north Bengal.

The week's rainfall was in excess in north Bengal, deficient in east Bengal and scanty in deltaic Bengal.

Rainfall for the period from 1st June 1949 to date was in excess in north Bengal and normal elsewhere.

3. The table overleaf summarises the rainfall statistics for the 11 sub-divisions of Pakistan for the week and period from 1st June 1949 to date.

Mohammad Shabbar
Meteorologist
for Director, Meteorological Service.

Divisions	Rainfall for the week ending on 22.6.1949				Rainfall for the period 1.6.1949 to 22.6.1949			
	Actual	Normal	Excess or Defect	Percent*	Actual	Normal	Excess or Defect	Percent*
1. East Bengal	3.2	5.0	-1.7	- 35	16.3	13.9	+ 2.4	+ 10
2. Deltaic Bengal	0	3.6	-3.6	-100	6.2	8.9	- 2.7	- 30
3. North Bengal	4.9	2.9	+1.9	+ 66	12.5	9.4	+ 3.1	+ 33
4. Kashmir**								
5. North Punjab	0	0.5	-0.5	-100	0.7	0.9	- 0.2	- 25
6. South Punjab	0.3	0.2	+0.1	+ 53	0.5	0.3	+ 0.1	+ 40
7. N. W. F. P.	0	0.1	-0.1	-100	0.2	0.3	- 0.1	- 31
8. North Baluchistan	0	0.1	-0.1	-100	0	0.2	- 0.2	-100
9. South Baluchistan	0	0.1	-0.1	-100	0	0.1	- 0.1	-100
10. Sind	0.1	0.1	0	+ 8	0.1	0.2	- 0.1	- 35
11. Junagadh**								

*In the calculation of excesses and defects and the percentages rainfall figires are taken correct to 0.01"

**Data not available.

PAKISTAN METEOROLOGICAL DEPARTMENT

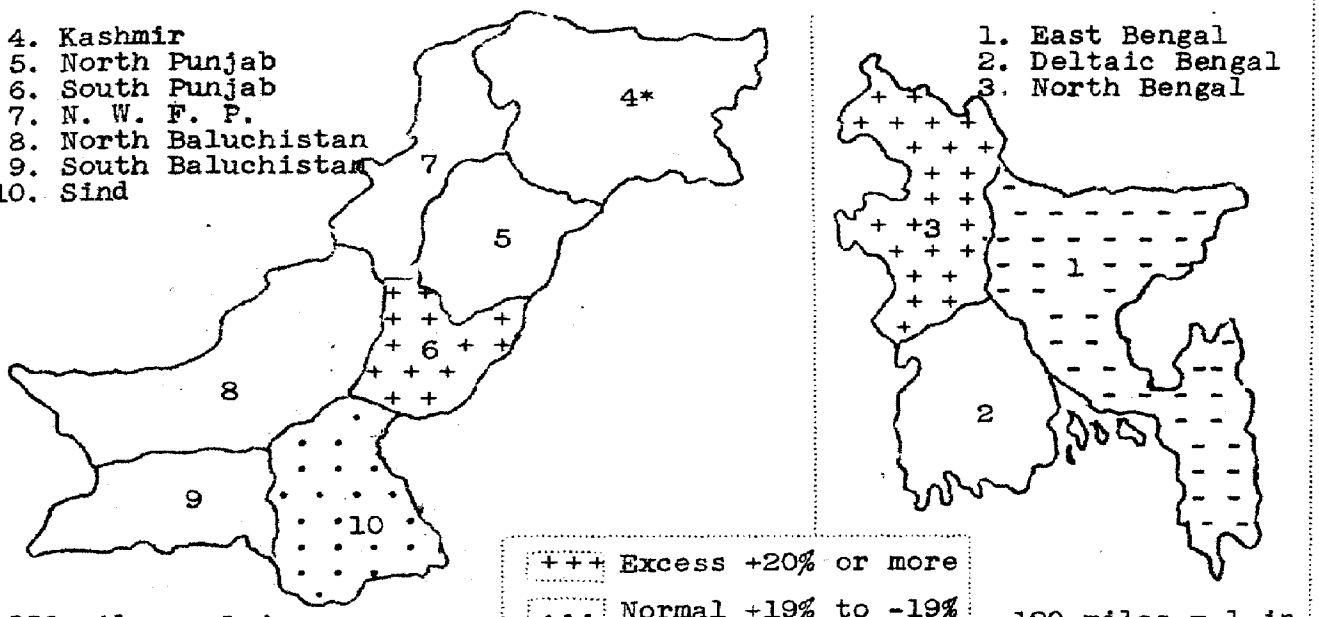
Rainfall for The Week Ending 22nd June 1949

West Pakistan

4. Kashmir
5. North Punjab
6. South Punjab
7. N. W. F. P.
8. North Baluchistan
9. South Baluchistan
10. Sind

East Pakistan

1. East Bengal
2. Deltaic Bengal
3. North Bengal



256 miles = 1 in

120 miles = 1 in

+++ Excess +20% or more

... Normal +19% to -19%

--- Deficient -20% to -59%

Scanty -60% or less

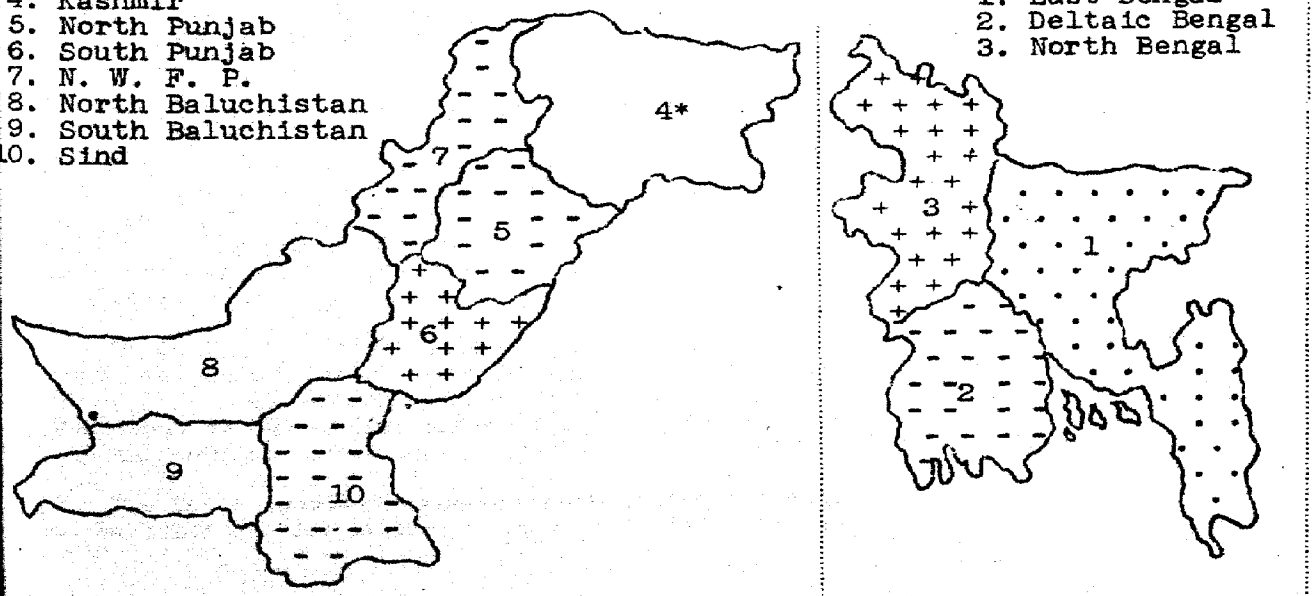
Rainfall for the period 1.6.1949 to 22.6.1949

West Pakistan

4. Kashmir
5. North Punjab
6. South Punjab
7. N. W. F. P.
8. North Baluchistan
9. South Baluchistan
10. Sind

East Pakistan

1. East Bengal
2. Deltaic Bengal
3. North Bengal



256 miles = 1 in

120 miles = 1 in.

*Data not available

GOVERNMENT OF PAKISTAN. PAKISTAN METEOROLOGICAL SERVICE.

W E E K L Y W E A T H E R R E P O R T

for

Pakistan and Kashmir

For the week ending at 0300 hrs. G.M.T. on 29th June 1949.

1. Low pressure waves moving across the extreme north of the country accentuated the seasonal trough of low pressure over Baluchistan and the southwest Punjab resulting in the incursion of moist air in Western Pakistan from the Arabian Sea.

Monsoon remained fairly active in Eastern Pakistan throughout the week.

The rainfall during the week was fairly widespread in Eastern Pakistan.

Some of the noteworthy amounts of rainfall during the week were: Comilla 9", Mymensingh 8", Cox's Bazar 4" on 23rd; Sirajgunj 4" on 24th; Rangpur 6" on 28th and 4" on 29th.

Day temperatures during the week were generally nearly normal in Pakistan except from 24th to 26th when they were generally above normal in East Pakistan.

2. EAST PAKISTAN:-Rainfall has been fairly widespread in the Eastern and Northern sub-divisions and local in the deltaic sub-division.

Kashmir:- Local showers occurred in Kashmir on 26th and 27th and fairly widespread on remaining days of the week.

West Punjab:- A few showers were reported in the north Punjab hills on the first two days of the week. Local showers occurred in the northwest Punjab on 24th, 26th and 27th and scattered on 25th. Fairly widespread light showers occurred in north Punjab hills on the remaining two days of the week.

North West Frontier Province:- Scattered showers were reported from Upper North West Frontier Province on 25th. Local showers occurred in North West Frontier Province on 26th and 27th and fairly widespread on the remaining two days of the week.

Baluchistan:- A few showers occurred in north Baluchistan on 27th and 28th.

Sind:- A few light showers were reported from Upper Sind on 27th and 28th.

3. The week's rainfall was 183% and 131% in excess in north Bengal and the North West Frontier Province respectively and 60% in excess in east Bengal. It was normal in deltaic Bengal and north Baluchistan while it was 59% to 100% in defect elsewhere.

Rainfall for the period from 1st June to date was 26% and 78% in excess in east and north Bengal respectively and 35% in excess in North West Frontier Province. It was within 20% of the normal in deltaic Bengal and the south Punjab. Deficient by 42% in the north Punjab and 52% in north Baluchistan, while it was 74% and 100% in defect in Sind and south Baluchistan respectively.

4. The table overleaf summarises the rainfall statistics for the 11 sub-divisions of Pakistan for the week and period from 1st June 1949 to date.

Mohammad Shabbar
Meteorologist
for Director, Meteorological Service.

Divisions	Rainfall for the week ending on 29.6.1949				Rainfall for the period 1.6.49 to 29.6.49			
	Actual	Normal	Excess or Defect	Percent*	Actual	Normal	Excess or Defect	Percent*
1. East Bengal	7.5	4.7	+ 2.8	+ 60	23.3	18.5	+ 4.8	+ 26
2. Deltaic Bengal	4.0	3.8	+ 0.2	+ 6	10.2	12.7	- 2.5	- 20
3. North Bengal	12.1	4.3	+ 7.8	+183	24.4	13.7	+10.7	+ 78
4. Kashmir**								
5. North Punjab	0.3	0.8	- 0.5	- 59	1.0	1.7	- 0.7	- 42
6. South Punjab	0	0.1	- 0.1	- 93	0.5	0.5	0	+ 2
7. N. W. F. P.	0.6	0.3	+ 0.3	+131	0.8	0.6	+ 0.2	+ 35
8. North Baluchistan	0.1	0.1	0	+ 15	0.1	0.3	- 0.2	- 52
9. South Baluchistan	0	0.1	- 0.1	-100	0	0.1	- 0.1	-100
10. Sind	0	0.3	- 0.3	-100	0.1	0.5	- 0.4	- 74
11. Junagadh**								

*In the calculation of excesses and defects and the percentages rainfall figures are taken correct to 0.01"

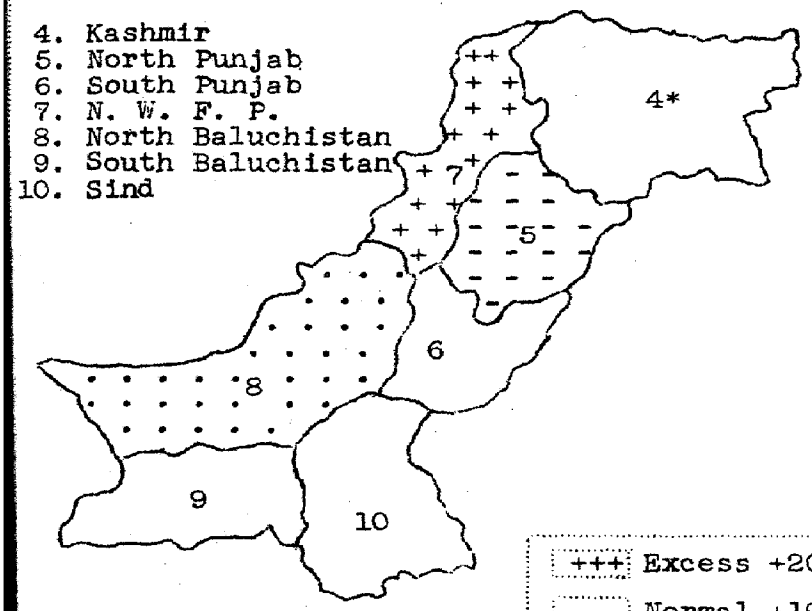
** Data not available.

PAKISTAN METEOROLOGICAL SERVICE

Rainfall for The Week Ending 29th June 1949

West Pakistan

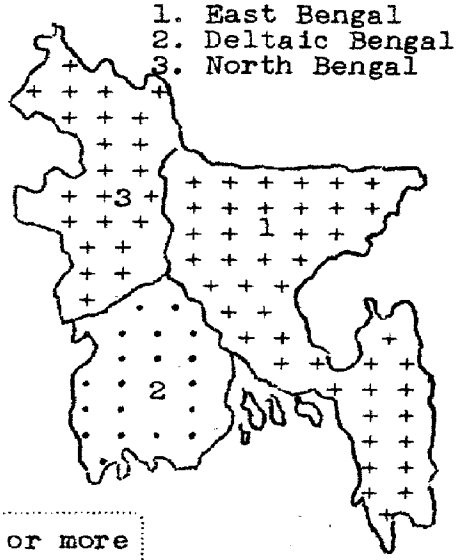
4. Kashmir
5. North Punjab
6. South Punjab
7. N. W. F. P.
8. North Baluchistan
9. South Baluchistan
10. Sind



256 miles = 1 in

East Pakistan

1. East Bengal
2. Deltaic Bengal
3. North Bengal



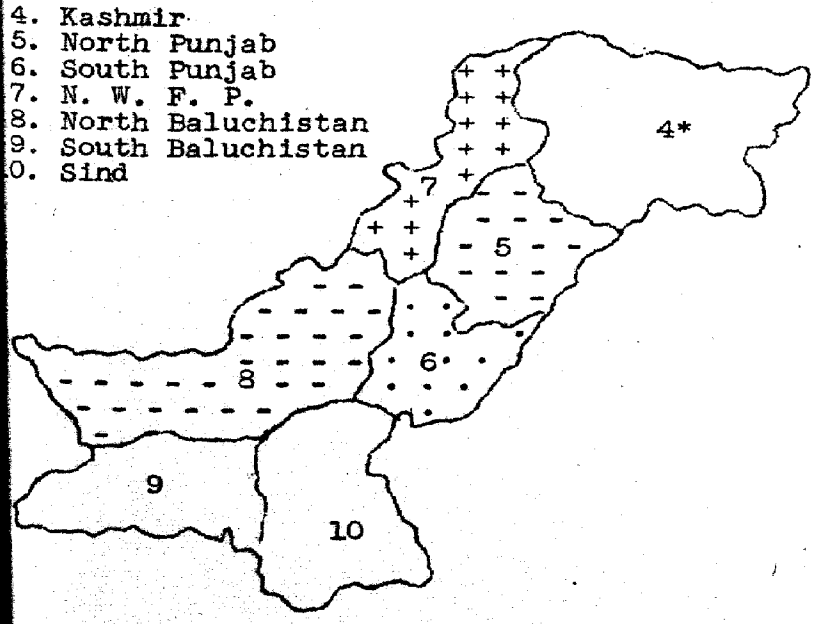
120 miles = 1 in

+++ Excess +20% or more
... Normal +19% to -19%
--- Deficient -20% to -59%
Scanty -60% or less

Rainfall for the period 1.6.1949 to 29.6.1949.

West Pakistan

4. Kashmir
5. North Punjab
6. South Punjab
7. N. W. F. P.
8. North Baluchistan
9. South Baluchistan
0. Sind



256 miles = 1 in.

East Pakistan

1. East Bengal
2. Deltaic Bengal
3. North Bengal

120 miles = 1 in.

*Data not available

GOVERNMENT OF PAKISTAN. PAKISTAN METEOROLOGICAL SERVICE.

Weekly Weather Report for Pakistan and Kashmir
for the week ending at 0300 G.M.T.
Wednesday the 6th July, 1949.

Monsoon remained fairly active for the first three days of the week and became weak thereafter. On the 3rd July, 1949, conditions for the formation of a depression became favourable at the head Bay of Bengal where unsettle conditions prevailed for the remaining days of the week.

Rainfall in Eastern Pakistan was fairly widespread on the first two days of the week. Weather remained dry in Western Pakistan during the week.

Day temperatures in Western Pakistan were generally above normal during the week.

Some of the noteworthy amounts of rainfall during the week were : Barisal 6.7", Khulna 5.9" and Cox's Bazar 4.1" on the 30th and Cox's Bazar 4.1" on the 1st July, 1949.

E A S T P A K I S T A N.

Rainfall was fairly widespread on the 3rd June, and 1st July and local from 2nd to 5th July in the region. A few falls were reported on the 6th.

Kashmir.	:	
N.W.F.P.	:	Weather remained dry except for
West Punjab.	:	light rain along Sind coast.
Baluchistan.	:	
Sind.	:	

The week's rainfall was 34 " in excess in Eastern Pakistan, while it was 98 % in defect in Sind and 100 % elsewhere.

Rainfall for the period from 1st June, 1949 to date was 27 % and 76 % in excess in east and north Bengal respectively. It was normal in deltaic Bengal and the N.W.F.P. Deficient by 47 % in the south Punjab and scanty elsewhere.

The table overleaf summarises the rainfall statistics for the 11 sub-divisions of Pakistan for the week and period from 1st June 1949 to date.

Mohammad Shabbar.
for DIRECTOR,
Meteorological Service,
Karachi.

Divisions	Rainfall for the week ending on 6.7.1949				Rainfall for the period 1.6.49 to 6.7.1949			
	Actual	Normal	Excess or Defect	Percent*	Actual	Normal	Excess or Defect	Percent*
1. East Bengal	5.5	4.1	+ 1.4	+ 34	28.8	22.7	+ 6.2	+ 27
2. Deltaic Bengal	4.7	3.0	+ 1.6	+ 54	14.8	15.7	- 0.9	- 6
3. North Bengal	3.0	1.8	+ 1.1	+ 62	27.3	15.5	+11.8	+ 76
4. Kashmir**								
5. Northwest Punjab	0.0	1.0	- 1.0	-100	1.0	22.7	- 1.7	- 64
6. Southwest Punjab	0.0	0.5	- 0.5	-100	00.5	0.9	- 0.5	- 47
7. N. W. F. P.	0.0	0.2	- 0.2	-100	0.8	0.7	+ 0.1	+ 10
8. North Baluchistan	0.0	0.1	- 0.1	-100	0.1	0.5	- 0.3	- 67
9. South Baluchistan	0.0	0.1	- 0.1	-100	0.0	0.2	- 0.2	-100
10. Sind	0.0	0.5	- 0.5	- 98	0.1	1.0	- 0.8	- 85
11. Junagadh**								

*In the calculation of excesses and defects and their percentages rainfall figures are taken correct to 0.01"

**Data not available

PAKISTAN METEOROLOGICAL DEPARTMENT.

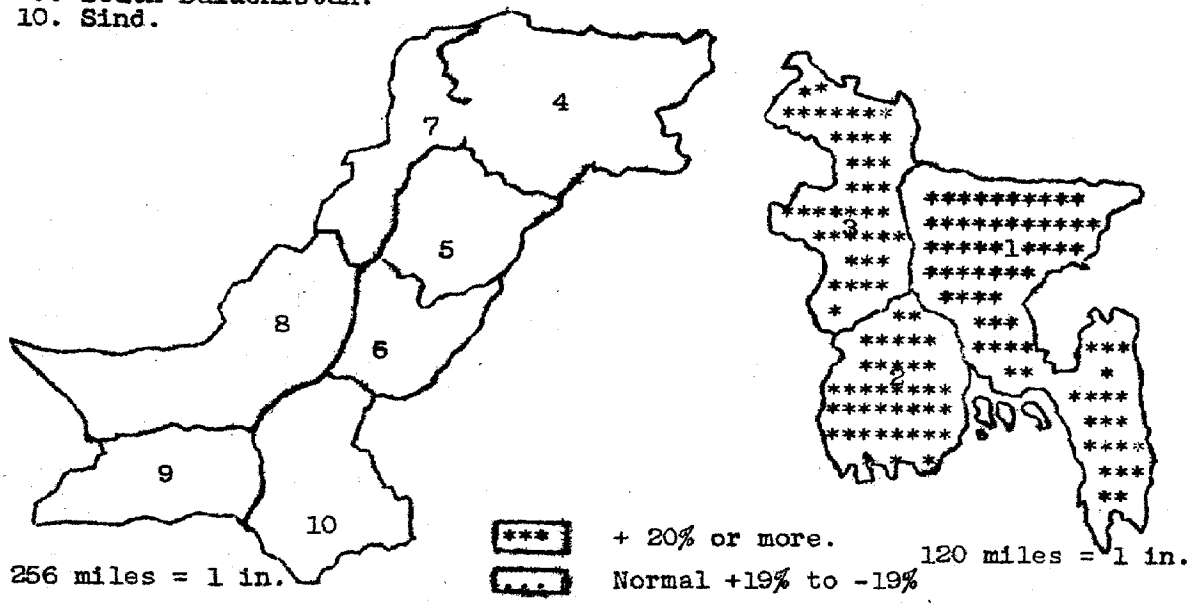
Rainfall for
The Week Ending on
6th July 1949.

West Pakistan.

4. Kashmir @
5. North Punjab.
6. South Punjab.
7. N.W. F. P.
8. North Baluchistan.
9. South Baluchistan.
10. Sind.

East Pakistan.

1. East Bengal.
2. Deltaic Bengal.
3. North Bengal.
4. Kashmir @
5. North Punjab.



256 miles = 1 in.

120 miles = 1 in.

*** + 20% or more.

... Normal +19% to -19%

--- Deficient -20% to -50%

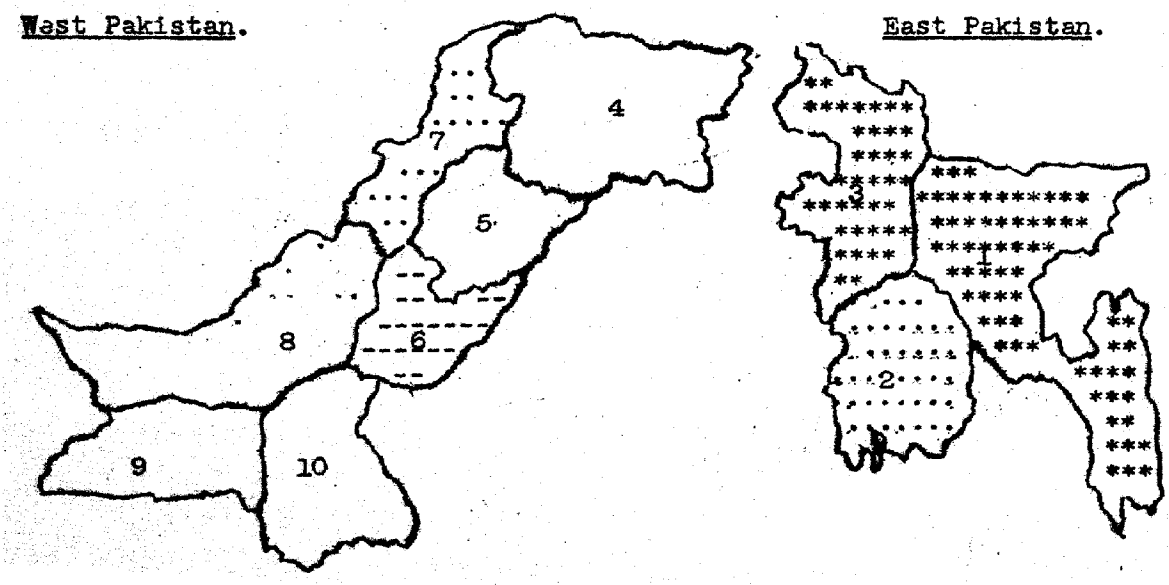
Scanty -60% or less

Rainfall for the period
1st June 1949 to 6th July '49.

@ Data not available.

West Pakistan.

East Pakistan.



GOVERNMENT OF PAKISTAN
PAKISTAN METEOROLOGICAL DEPARTMENT.
---oooOooo---

13.7.49

Weekly Weather Report for Pak. & Kashmir for the week ending at 0300 GMT of 13.7.49

Two low pressure waves originating from the head Bay of Bengal and moving in the Northwesterly and Westerly directions respectively, affected the weather in Western Pakistan due to the accentuation of the seasonal low, resulting in the advance of monsoon in the northwest Punjab, Kashmir and Upper North-west-Frontier Province on the 8th.

Monsoon in the East Pakistan was generally fairly active during this week.

Day temperatures were appreciably to markedly above normal on the 7th and 8th and fell appreciably below normal between the 9th & 12th and again rose appreciably above normal on the 13th in the North-west Frontier Province and the Northwest Punjab.

East Pakistan :- There was nearly general rain on three days of the week in the northern Sub-division and two days in the eastern Sub-division. Rain occured locally on five days in the eastern Sub-Division three days in deltaic Sub-division and one day in the northern Sub-division. A few showers were also reported in the deltaic and northern Sub-divisions on three days each.

Kashmir :- Data not available.

N.W.F.P.:- A few showers were reported during the last five days of the week.

West Punjab :- Fairly widespread showers occured on four days in the Northwest Punjab and on one day in the Southwest Punjab while local showers occured on two days in the North-west Punjab. A few showers were also reported on three days in the Southwest Punjab.

Baluchistan :- A few showers were reported on three days in north Baluchistan and on one day in south Baluchistan.

Sind :- A few showers were reported on three days during the week.

The week's rainfall was 76 % in excess in north Bengal and 69 % & 70 % in the northwest Punjab and north Baluchistan respectively and normal in south Baluchistan. It was deficient in east and deltaic Bengal and the southwest Punjab and scanty elsewhere.

Rainfall for the period from 1st June 1949 to date was 87 % in excess in north Benfal within 20 % of the normal in east and deltaic Bengal and the northwest Punjab, while it was 25 % to 88 % in defect elsewhere.

The table below summarises the rainfall statistics for the 11 sub-divisions of Pakistan for the week and period from 1st June, 1949 to date.

Mohammad Shabbar.
for DIRECTOR,
Meteorological Service,
Karachi.

Divisions.	Rainfall for the week ending on 13.7.1949. Actual	Normal	Excess or defect	*Percent	Rainfall for the period from 1.7. to 13.7.1949 Actual	Normal	Excess or Defect	*Percent.
1. East Bengal.	1.9	4.3	-2.4	-56	30.7	27.0	+3.7	+14
2. Deltaic Bengal.	1.3	2.9	-1.6	-56	16.1	18.7	-2.5	-14
3. North Bengal.	2.1	0.3	+1.9	+760	29.5	15.8	+13.7	+87
4. Kashmir.	-	-	-	-	-	-	-	-
5. Northwest Punjab.	2.5	1.5	+1.0	+69	3.5	4.1	-0.6	-14
6. Southwest Punjab.	0.3	0.5	-0.2	-43	0.8	1.5	-0.7	-46
7. N.W.F.P.	0.1	0.5	-0.4	-89	0.8	1.2	-0.8	-29
8. North Baluchistan.	0.3	0.2	+0.1	+70	0.5	0.7	-0.2	-25
9. South Baluchistan.	0.1	0.1	0	-8	0.1	0.3	-0.2	-66
10. Sind.	0.1	0.6	-0.5	-91	0.2	1.5	-1.3	-88
11. Junagadh +	-	-	-	-	-	-	-	-

*In the calculation of excesses and defects and their percentages rainfall figures are taken correct to 0.01".

+ Data not available.

PAKISTAN METEOROLOGICAL DEPARTMENT

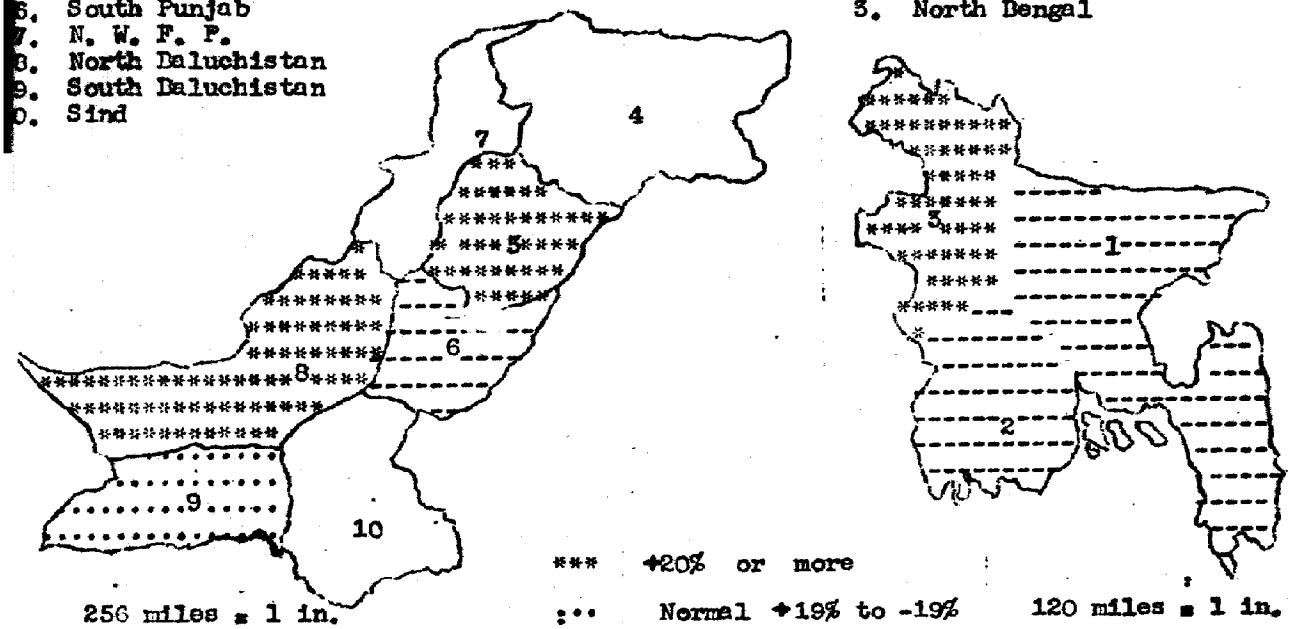
Rainfall for The Week Ending 13th July 1949.

West Pakistan.

4. Kashmir ●
5. North Punjab
6. South Punjab
7. N. W. F. P.
8. North Baluchistan
9. South Baluchistan
10. Sind

East Pakistan

1. East Bengal
2. Deltaic Bengal
3. North Bengal



256 miles = 1 in.

120 miles = 1 in.

*** +20% or more

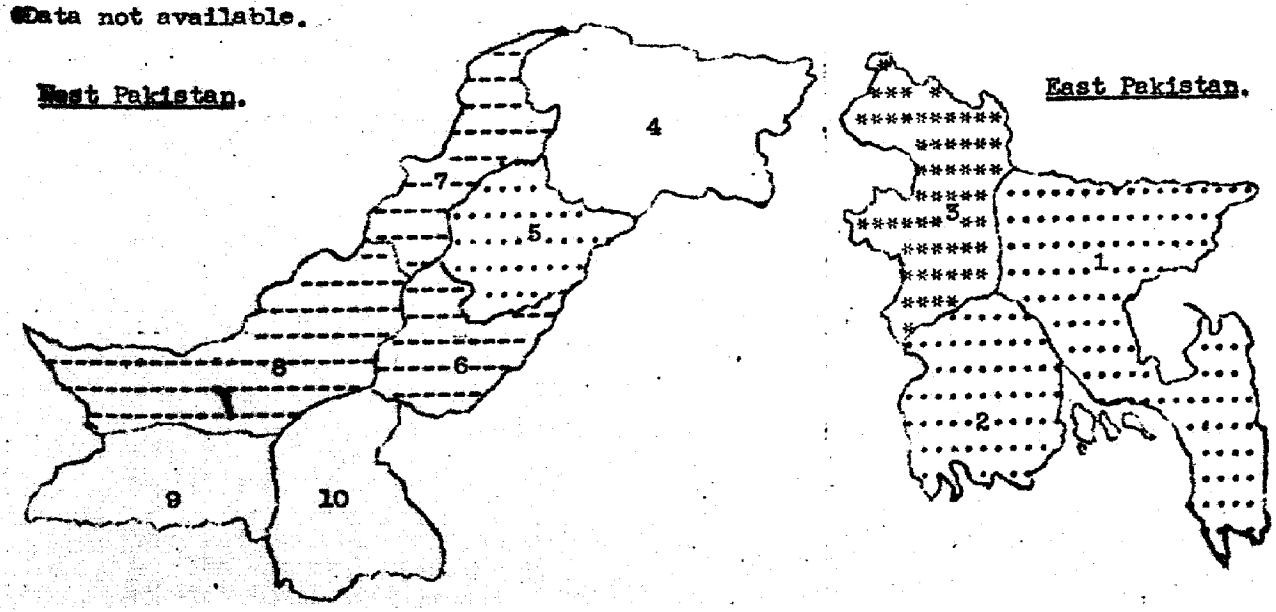
::: Normal +19% to -19%

--- Deficient -20% to -59%

Scanty -60% or less

Rainfall for the period 1st June 1949 to 13th July 1949.

●Data not available.



GOVERNMENT OF PAKISTAN
PAKISTAN METEOROLOGICAL DEPARTMENT
---ooOoo---

Weakly Weather Report for Pakistan and Kashmir for the week ending at 0300 G. M. T. on Wednesday, the 20th July, 1949.

A low pressure wave travelling in a westerly direction from the head Bay of Bengal moved towards lower Sind on the 15th and remained as a shallow low on the 16th in the northeast Arabian Sea where it developed into a shallow depression on the 17th and then weakened, moved northwestwards and merged into the seasonal low on the 18th. Consequent to the movement of this low, the Inter-tropical front was dragged down to the lower Sind where it remained in the neighbourhood of Karachi from the 14th to 17th.

The monsoon was generally fairly active in Eastern Pakistan.

Some of the noteworthy amounts of rainfall during the week were as follow :-

Karachi (Manora) and Badin 1" each on the 14th; Karachi Airport 3", Karachi Manora & Murree 2" each, Badin 1½" and Umarkot 1" on the 16th; Murree 1" on the 17th; Dinajpur & Umarkot 3" each, Karachi (Manora) and Sialkot 1½" each Karachi Airport on the 18th; and Chittagong 5"; Barisal 4" Cox's Bazar 3"; Murree 2"; Rawalpindi, Jhelum and Sialkot 1½" each on the 19th.

Day temperatures were appreciably below normal in the northwest Punjab on the 14th, and appreciably below normal in the whole of the West Punjab and above normal in lower Sind on the 15th.

2. EAST PAKISTAN :- Nearly general rainfall occured on five days in the Eastern Sub-Divisions, four days in the Deltaic Sub-division and three days in the northern Sub-Division. Rainfall was local for two days each in the Northern and Eastern Sub-Divisions and for three days in Deltaic Sub-Divisions. A few showers were also recorded for two days in the northern Sub-Division.

KASHMIR :- Data not available.

WEST PUNJAB :- Local showers were recorded for two days in the northwest Punjab and a few showers occured for four days in the northwest Punjab and two days in the southwest Punjab.

N.W.F.P. :- A few showers occured mainly on hills, in the Province for six days.

BALUCHISTAN :- A few showers were recorded for four days in north Baluchistan and for a day in south Baluchistan.

SIND :- Rainfall was nearly general for four days; local for two days and scattered for a day.

The week's rainfall was 300% in excess in Sind and 23% to 61% in excess in Eastern Pakistan; while it was 25% deficiant in north Baluchistan and 62% to 100% in defect elsewhere.

Rainfall for the period from 1st June to date was in excess in east and north sub-Divisions of East Pakistan and Sind, and within 20% of the normal in deltaic Bengal and the northwest Punjab. It was 49%, 37% and 25% deficient in the southwest Punjab the NWFP and north Baluchistan respectively while it was 77% in defect in south Baluchistan.

Contd.....

The table below summarises the rainfall statistics for the 11 Sub-Divisions of Pakistan for the week and period from 1st June, 1949 to date.

Mohammad Shabbar.
for Director, Meteorological Service,
Karachi.

Divisions.	Rainfall for week ending on 20.7.1949.				Rainfall for period from 1.6.1949 to 20.7.1949.			
	Actual	Normal	Excess or def.	Percent*	Actual	Normal	Excess or def.	Percent*
1. East Bengal.	4.9	3.5	+1.4	+40	35.6	30.5	+5.2	+17
2. Deltaic Bengal.	3.7	3.0	+0.7	+23	19.8	21.7	+1.9	+9
3. North Bengal.	4.0	2.7	+1.4	+51	33.5	18.4	+15.1	+82
4. Kashmir.	+							
5. Northwest Punjab.	1.4	1.1	+0.4	+33	5.0	5.2	-0.2	-4
6. Southwest Punjab.	0.1	0.3	-0.2	-65	0.9	1.8	-0.9	-49
7. N.W.F.P.	0.1	0.4	-0.2	-62	1.0	1.5	-0.6	-37
8. North Baluchistan.	0.2	0.3	-0.1	-25	0.7	0.9	-0.2	-25
9. South Baluchistan.	0	0.2	-0.2	-100	0.1	0.5	-0.4	-77
10. Sind.	2.4	0.6	+1.8	+300	2.6	2.1	+0.5	+23
11. Junagadh.	+							

* In the calculation of excesses and defects and their percentages rainfall figures are taken correct to 0.01".

+ Data not available.

PAKISTAN METEOROLOGICAL DEPARTMENT

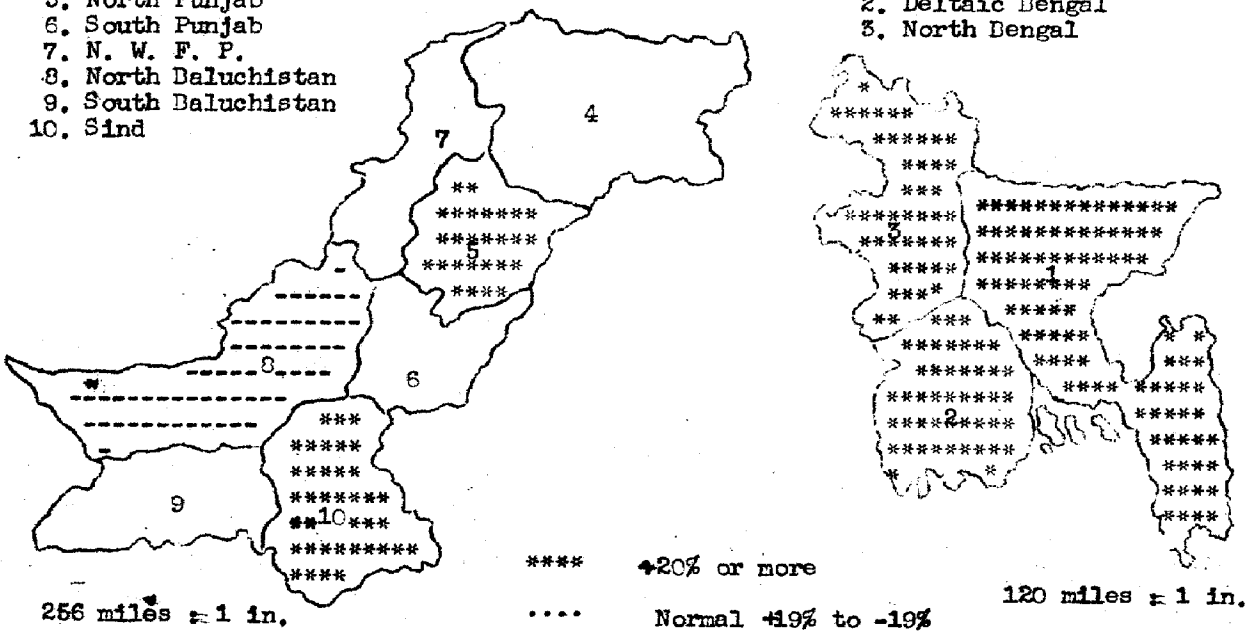
Rainfall
for
The Week Ending
20th July 1949.

West Pakistan.

4. Kashmir @
5. North Punjab
6. South Punjab
7. N. W. F. P.
8. North Baluchistan
9. South Baluchistan
10. Sind

East Pakistan

1. East Bengal
2. Deltaic Bengal
3. North Bengal



256 miles = 1 in.

120 miles = 1 in.

**** +20% or more

.... Normal +19% to -19%

--- Deficient -20% to-59%

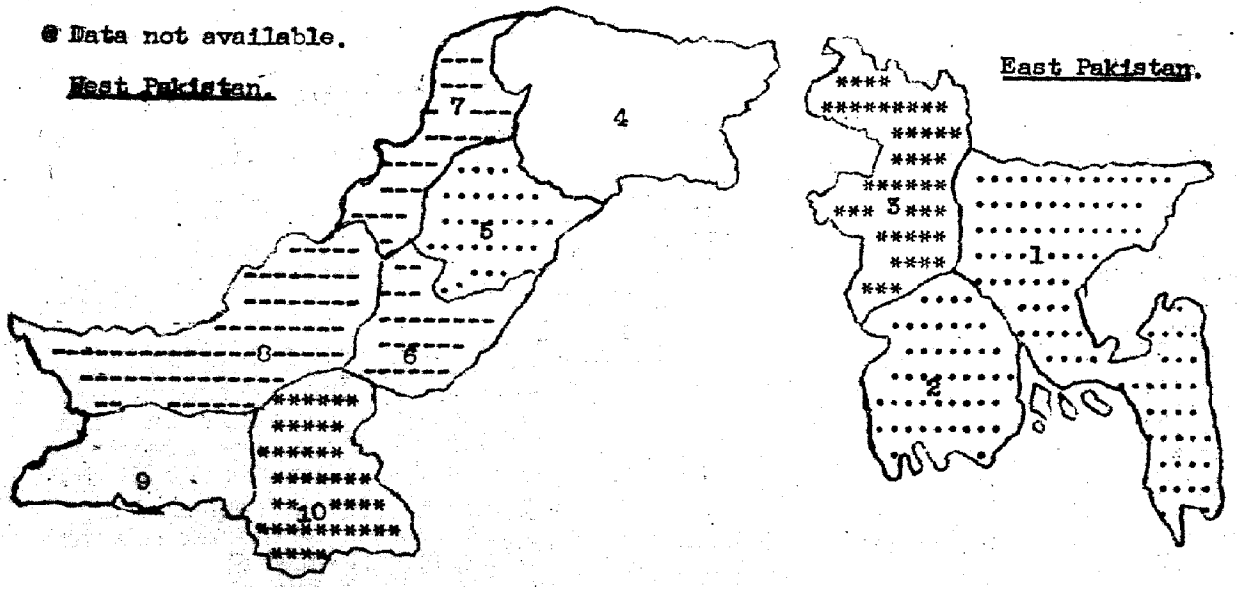
Scanty -60% or less

Rainfall for the period
1st June 1949 to 20th July 1949.

@ Data not available.

West Pakistan.

East Pakistan.



GOVERNMENT OF PAKISTAN
PAKISTAN METEOROLOGICAL DEPARTMENT.
---ooOoo---

Weekly Weather Report for Pakistan and Kashmir for the week ending on Wednesday, the 27th July, 1949.

1. On 21st and 22nd a low pressure wave moving eastwards through the extreme north of the country resulted in the accentuation of the seasonal low which then remained extended from northeast Baluchistan to southwest Punjab. On 23rd the low pressure wave passed away and the seasonal low became less marked. On 24th the monsoon showed a tendency to penetrate itself into the northwest Punjab and on 25th the monsoon advanced into the northwest Punjab as a result of a shallow low coming from East and lying over northwest Rajputana. The Inter-tropical Front was moving through lower Sind from 25th to 27th and was fairly active there.

Monsoon was fairly active for the first four days of the week and weak thereafter in Eastern Pakistan.

Some of the noteworthy amounts of rainfall during the week were as follows :-

Cox's Bazar 8", Chittagong 7", Comilla 3" and Jhelum 1" on the 21st; Sirajganj 5", Barisal 3" and Cherat 1" on the 22nd; Sirajganj 3" and Sialkot 2" on the 24th; Sialkot 1½" and 1" on the 25th and 27th respectively.

Day temperatures were appreciably below normal in the north-west Punjab throughout the week and in the North West Frontier Province for the first five days of the week.

2. EAST PAKISTAN : Rainfall was nearly general throughout the Province for the first three days of the week. It was again nearly general on the 25th and 27th in the Eastern Sub-division; on the 24th in the Deltaic Sub-Division and on 26th in the northern Sub-Division. Local rain occured on 24th in the Eastern and Northern Sub-Division. A few showers have also occured on the 26th in Eastern Sub-Division and on 25th and 27th in Deltaic and Northern Sub-Divisions.

KASHMIR : Data not available.

WEST PUNJAB. : Rainfall was nearly general on 22nd, 23rd, 25th and 26th and local on 21st and 27th in the northwest Punjab. A few showers were recorded between 22nd and 26th in the southwest Punjab and on 24th in the northwest Punjab.

N.W.F.P. : Rainfall occured at a few places on 21st, 22nd 24th and 25th in the Province.

SIND : A few showers were reported on 21st, 25th and 27th in North Baluchistan.

BALUCHISTAN : A few showers occured on the 23rd and 27th in the Province.

The week's rainfall was 77% and 62% in excess in northern sub-division of Eastern Pakistan and the northwest Punjab respectively It was within 20% of the normal in east and deltaic sub-divisions of Eastern Pakistan, the Southwest Punjab, the North West Frontier Province and north Baluchistan; while it was 81 % and 100 % in defect in Sind and south Baluchistan respectively.

Rainfall for the period from 1st June 1949 to date was in excess in the northern sub-division of East Pakistan. It was normal in eastern and deltaic sub-divisions of East Pakistan, the northwest Punjab, north Baluchistan and Sind; while it was 30 % deficient in the North West Frontier Province and 82% in defect in south Baluchistan.

P.T.O.

The table below summarises the rainfall statistics for the 11 Sub-Divisions of Pakistan for the week and period from 1st June, 1949 to date.

Mohammad Shabbar.
for Director, Meteorological Service,
Karachi.

Divisions.	Rainfall for the week ending on 27.7.1949.				Rainfall for the period from 1.6.49 to 27.7.49.			
	Actual	Normal	Excess or defect	Percentage*:	Actual	Normal	Excess or defect	Percentage
1. East Bengal	5.1	4.9	+0.6	+13	40.7	34.9	+5.8	+16
2. Deltaic Bengal.	2.9	3.2	-0.3	-9	22.7	24.9	-2.1	-9
3. North Bengal.	5.1	2.9	+2.2	+77	38.6	21.3	+17.3	+81
4. Kashmir. +								
5. Northwest Punjab.	2.3	1.4	+0.9	+62	7.2	6.6	+0.7	+10
6. Southwest Punjab.	0.6	0.6	0	+5	1.5	2.4	-0.9	-36
7. N.W.F.P.	0.3	0.3	0	0	1.3	1.9	-0.6	-30
8. North Baluchistan.	0.4	0.3	+0.1	+18	1.1	1.3	-0.2	-13
9. South Baluchistan.	0	0.1	-0.1	-100	0.1	0.7	-0.5	-82
10. Sind.	0.1	0.7	-0.6	-81	2.8	2.9	-0.1	-13
11. Junagadh +								

*In the calculation of excesses and defects and their pe-rcentages rainfall figures are taken correct to 0.01".

+Data not available.

MAQ.

PAKISTAN METEOROLOGICAL DEPARTMENT

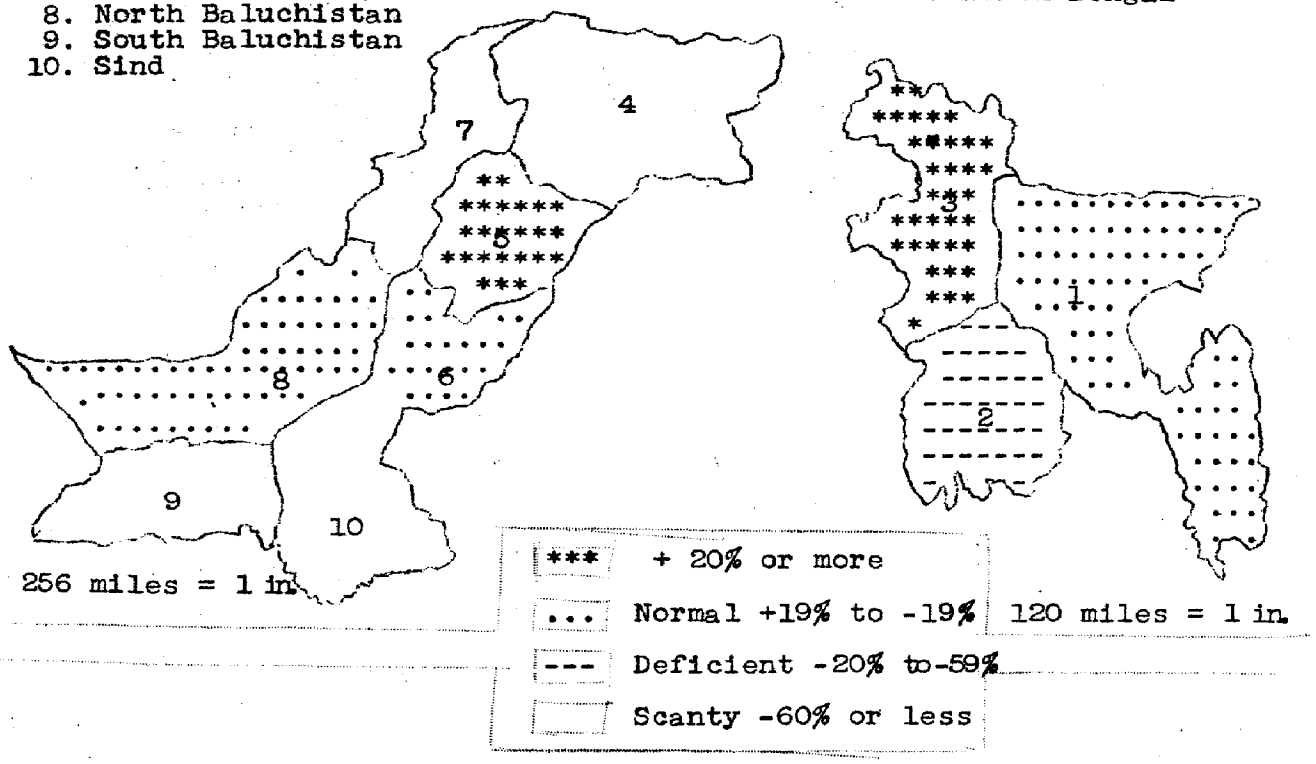
West Pakistan

4. Kashmir @
5. North Punjab
6. South Punjab
7. N. W. F. P.
8. North Baluchistan
9. South Baluchistan
10. Sind

Rainfall for The Week Ending 27th July 1949.

East Pakistan

1. East Bengal
2. Deltaic Bengal
3. North Bengal



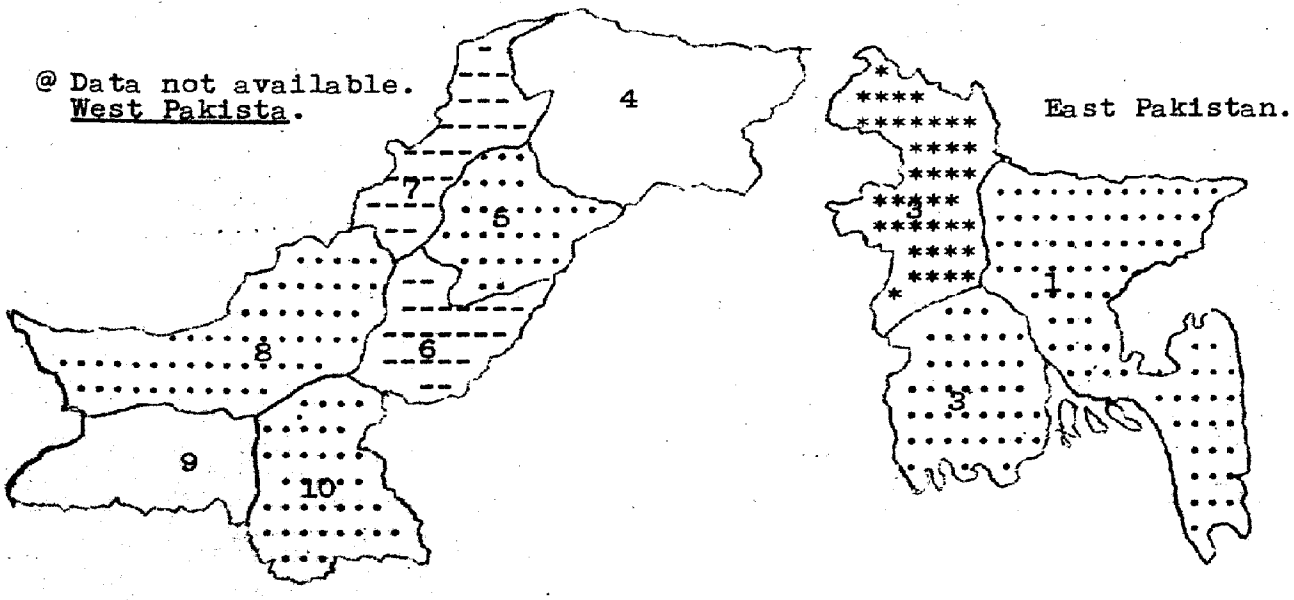
256 miles = 1 in.

*** + 20% or more
... Normal +19% to -19%
--- Deficient -20% to -59%
Scanty -60% or less

120 miles = 1 in.

Rainfall for the period 1st June 1949 to 27th July 1949

@ Data not available.
West Pakista.



East Pakistan.

GOVERNMENT OF PAKISTAN
PAKISTAN METEOROLOGICAL DEPARTMENT.

Weekly Weather Report for Pakistan and Kashmir for the week ending at 0300 G. M. T. on Wednesday, the 3rd August, 1949.

A shallow low lying over southwest Rajputana moved westward and merged into the seasonal trough of low on the 28th. The seasonal trough remained accentuated over Sind and Baluchistan on 28th, over Upper Sind to northwest Punjab on 29th and further extended from Up Upper Sind to the Northwest Frontier Province on the 30th.

A shallow depression over southwest Rajputana moved into Cutch and adjoining Sind on the 2nd and got intensified over there into a depression on the 3rd.

Cold fronts associated with low pressure waves moving north-east-wards through the extreme north of the country affected weather over the northern parts of West Pakistan during the last four days of the week.

Monsoon was fairly active in Eastern and Deltaic Sub-Divisions and generally week in the northern sub-division of East Pakistan. Some of the noteworthy amounts of rainfall during the week were Hyderabad & Jhelum 1½" each and Murree 1" on the 28th; Umarkot 3"; Rawalpindi 2" and Murree 1" on the 29th; Cherat 2" on the 30th; Lyallpur and Montgomery 1" each on the 31st; Comilla 5"; Bogra 3" on the 1st; Sukkur 1" on the 2nd; Murree and Leiah 2" each, Khanpur 1½", Karachi ½"; Jacobabad, Jhelum, Padidan and Sialkot ¼" each on the 3rd.

2. EAST PAKISTAN : Rainfall was nearly general on the 29th, 1st and 3rd in the Eastern Sub-Division and on the 2nd in the Deltaic Sub-Division. Local rainfall occured on the 30th & 31st in the Eastern sub-division and on the 30th and 1st in the northern sub-division. A few falls were also recorded on the 28th and 2nd in the Eastern Sub-Division, 29th to 1st in the Deltaic Sub-Division and on the 31st in the Northern Sub-Division.

3. KASHMIR : Data not available.

4. WEST PUNJAB : Rainfall was nearly general on the 28th and 3rd in northwest Punjab and on the 3rd in the southwest Punjab. Local showers occured on the31st and 1st in the northwest Punjab and on the 2nd in the southwest Punjab. A few showers were also recorded in the northwest Punjab on the 29th and 2nd and on the 28th, 29th and 31st in the southwest Punjab.

5. NORTHWEST FRONTIER PROVINCE : Rainfall was nearly general over the hills on the 29th, local on the 28th and 3rd and scattered for the rest of the days in the week.

6. BALUCHISTAN.: A few showers were recorded in north Baluchistan through the week except on 31st and in south Baluchistan on the 28th, 29th, 30th and 3rd.

7. SIND.: Rainfall was nearly general in the province from 28th to 30th and on the 2nd and 3rd and local on the 1st.

The week's rainfall was in large excess in Sind and South Baluchistan and 68% in excess in southwest Punjab. It was normal in the eastern sub-division of East Pakistan, the northwest Punjab and north Baluchistan; while it was deficient in the North West Frontier Province and scanty elsewhere.

Rainfall for the period from 1st June to date was 62% & 40% in excess in the northern sub-division of East Pakistan and Sind respectively. It was within 20% of the normal in the eastern and deltaic sub-divisions of East Pakistan, the northwest Punjab, and north Baluchistan, and deficient elsewhere.

P.T.O

The table below summarises the rainfall statistics for the 11 Sub-Divisions of Pakistan for the week and period from 1st June to date.

Mohammad Shabbar.
for Director, Meteorological Service,
Karachi.

Stations.	Rainfall for the week ending on 3.8.1949. Actual	Normal	Excess or defec.	Percent.*	Rainfall for the Period from 1st June '49 to date. Actual	Normal	Excess or def.	Percent.
1. East Bengal.	4.7	4.3	+0.4	+10	45.3	39.2	+6.2	+16
2. Deltaic Bengal.	1.2	3.2	-2.0	-61	24.0	28.1	-4.1	+15
3. North Bengal.	1.0	3.2	-2.2	-68	39.6	24.5	+15.1	+62
4. Kashmir. +								
5. Northwest Punjab.	1.3	1.4	-0.1	-4	8.6	8.0	+6.0	+8
6. Southwest Punjab.	1.2	0.7	+0.5	+68	1.7	3.1	-1.4	-45
7. N.W.F.P.	0.4	0.5	-0.1	-25	1.7	2.4	-0.7	-29
8. North Baluchistan.	0.4	0.4	0	+8	1.5	1.7	-0.1	-8
9. South Baluchistan.	0.3	0.1	+0.2	+225	0.4	0.7	-0.4	-49
10. Sind.	1.9	0.5	+1.4	+306	4.7	3.3	+1.3	+40
11. Junagadh. +								

*In the calculation of excess and defects and their percentages the rainfall figures are taken correct to 0.01"

+Data not available.

PAKISTAN METEOROLOGICAL DEPARTMENT.

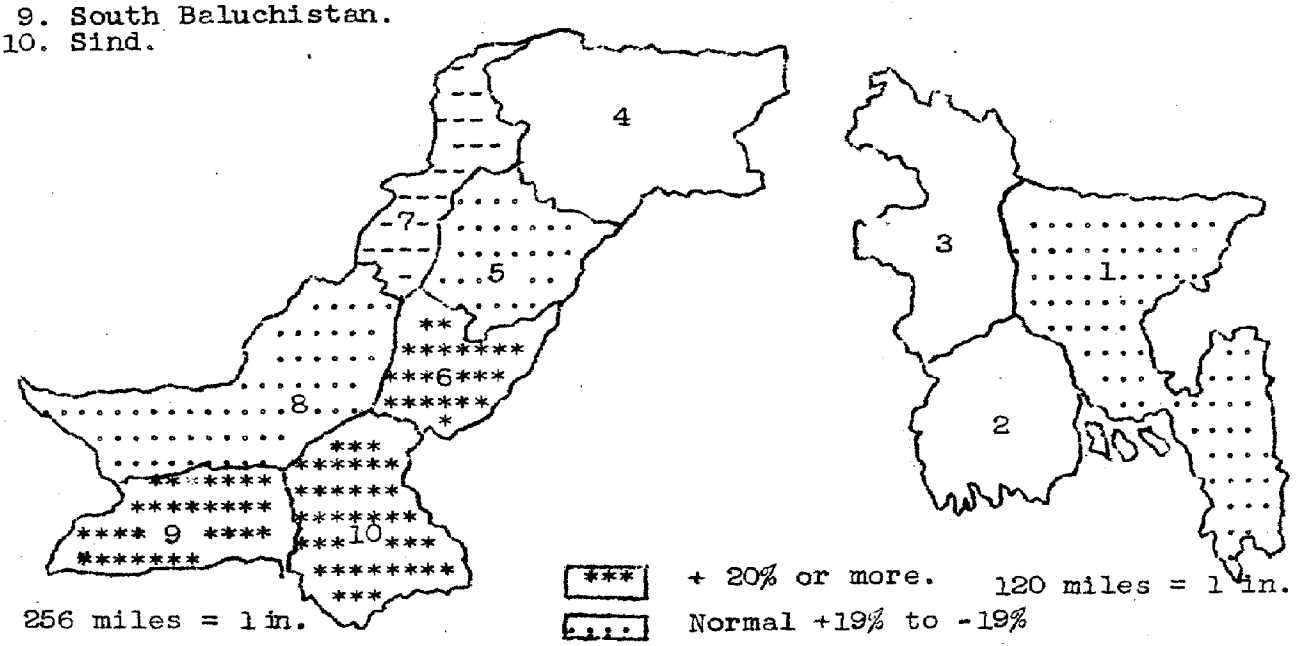
Rainfall for
The Week Ending on
3rd August, 1949.

West Pakistan.

4. Kashmir @
5. North Punjab.
6. South Punjab.
7. N. W. F. P.
8. North Baluchistan.
9. South Baluchistan.
10. Sind.

East Pakistan.

1. East Bengal.
2. Deltaic Bengal.
3. North Bengal.



256 miles = 1 in.

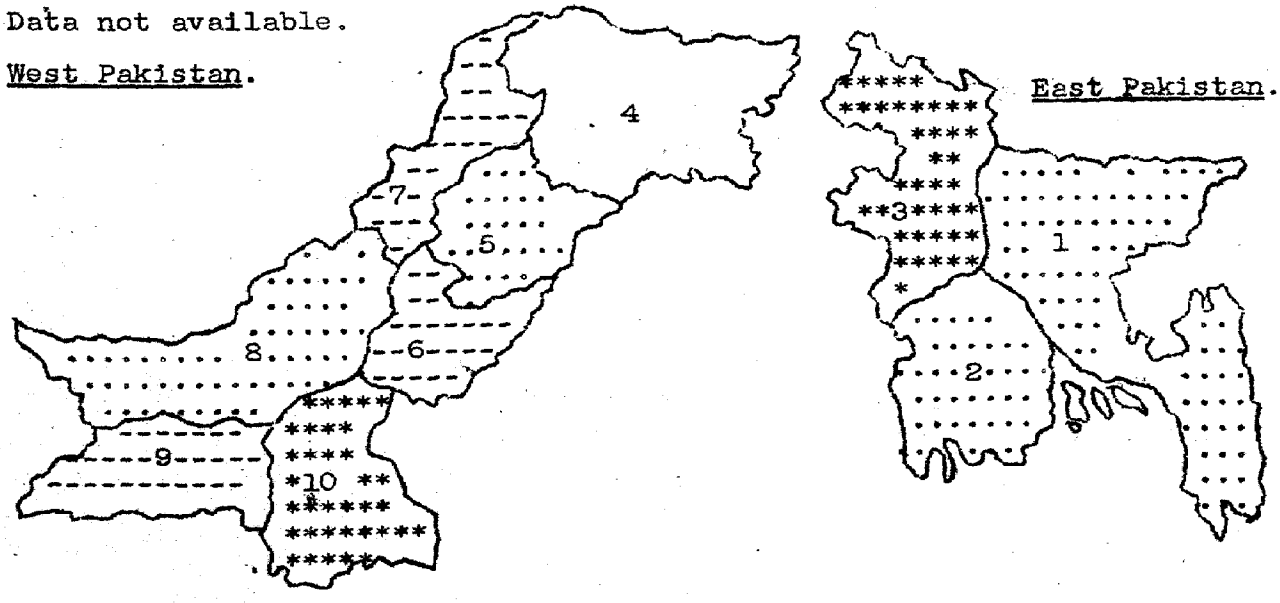
120 miles = 1 in.

*** + 20% or more.
Normal +19% to -19%
Deficient -20% to-59%
Scanty -60 or less.

Rainfall for the period
1st June 1949 to 3rd August '49.

@ Data not available.

West Pakistan.



East Pakistan.

PAKISTAN METEOROLOGICAL DEPARTMENT.

Weekly Weather Report for Pakistan and Kashmir for the week ending 10th August, 1949.

Previous week's depression lying over Cutch and adjoining Sind slightly moved Westnorthwestwards on the 4th morning. It emerged into the northeast sector of the North Arabian Sea off Sind Coast and developed into a storm there by the same evening. After a short duration the storm recurved northwards and crossed the Sind Coast to the east of Karachi on the 5th morning and thereafter it weakened very rapidly while moving in a northerly direction.

A low pressure wave moving northeastwards through the extreme north of the country affected the weather over the North West Frontier Province, the northwest Punjab and Kashmir during the last three days of the week.

The monsoon was active over Sind, on the 4th and 5th over Punjab, northeast Baluchistan and the North West Frontier Province on the 4th and fairly active over East Pakistan during the week.

Day temperatures were appreciably to markedly below normal in the west Punjab, the North West Frontier Province and Baluchistan from 4th to 7th; in Sind from 6th to 8th and on 10th, and in East Pakistan on the 7th and 8th.

Some of the notewirthy amounts of rainfall during the week are Karachi (Airport), Karachi(Manora) Commilla and Cox's Bazar 5" each, Umarkot and D.I. Khan 1" each on the 4th; Bogra, Sirajganj 3" each, Cox's Bazar, Umarkot, Brahmanbaria, Pad Idan 2" each, Karachi (Airport) Cherat 1½" each, Karachi (Manora), Jhelum 1" each on the 5th; Chittagong, Satkhira 3" each, Rawalpindi 2" Lyallpur and Murree 1" each on the 8th Sialkot and Rawalpindi 2" each on the 9th; Khushab 1" on the 10th.

2. EAST PAKISTAN : Rainfall was nearly general in the Eastern sub-division from 4th to 7th, in the Deltaic sub-division from 5th to 7th and in the Northern sub-division on 5th, 6th, 8th and 9th. Local rainfall occurred from 8th to 10th in the Eastern sub-division, on the 5th 9th and 10th in the Deltaic sub-division and on the 7th in the northern sub-division. A few falls were also recorded on the 8th in the Deltaic sub-division and on the 4th and 10th in the Northern sub-division.

KASHMIR : Data not available.

WEST PUNJAB : Rainfall was nearly general on the 10th in the northwest Punjab. Local showers occurred on the 4th, 8th and 9th in the northwest Punjab and on the 4th in the southwest Punjab. A few showers were reported from the northwest Punjab on the 6th and 7th and from the southwest Punjab on the 6th, 7th and 10th.

NORTH WEST FRONTIER PROVINCE : A few showers were recorded from the 4th to 7th and on the 9th.

BALUCHISTAN : Local showers were recorded in north Baluchistan on the 4th, 6th and 7th while a few showers were recorded in north Baluchis on the 5th and in south Baluchistan on the 6th.

SIND : Nearly general rainfall was recorded on the 4th and 6th, local on the 5th and 7th and a few showers on the 8th.

P.T.O.

3. The weeks rainfall was in large excess in Sind and north Baluchistan; and 57 %, 44 %, 27 % in excess in the northwest Punjab, south Baluchistan and norhtern and deltaic sub-divisions of East Pakistan respecfively. It was normal in eastern sub-division of East Pakistan, while it was deficient in the southwest Punjab and scanty in the North West Frontier Province.

Rainfall for the period from 1st June 1949 to date was 90 % and 58 % in excess in Sind and northern sub-division of East Pakistan respectively. It was normal in eastern and deltaic sub-divisions of East Pakistan, the northwest Punjab and north Baluchistan, while it was deficient in southwest Punjab, the North West Frontier Province, and south Baluchistan.

The table below summarises the rainfall statistics for the 11 sub-divisions of Pakistan for the week and period from 1st June 1949 to date.

Mohammad Shabbar.
for DIRECTOR,
Meteorological Service,
Karachi.

Division.	Rainfall for the week ending on 10th Sept. 1949.				Rainfall for the period from 1st June, 1949 to date.			
	Actual.	Normal.	Excess or def.	*Per cent.	Actual.	Normal.	Excess or def.	*Per-cent.
1. East Bengal	4.9	4.1	+0.8	+19	50.2	43.3	+6.9	+16
2. Deltaic Bengal.	3.4	2.8	+0.6	+22	27.4	30.9	-3.5	-11
3. North Bengal.	3.1	2.5	+0.7	+27	42.7	27.0	+15.8	+58
4. Kashmir.@	-	-	-	-	-	-	-	-
5. Northwest Punjab.	2.4	1.5	+0.9	+57	10.9	9.5	+1.5	+15
6. Southwest Punjab.	0.5	0.7	-0.2	-29	2.2	3.8	-1.6	-42
7. North West Frontier Province.	0.3	1.9	-1.6	-82	2.1	4.4	-2.3	-53
8. North Baluchistan.	0.6	0.3	+0.3	+115	2.1	1.9	+0.2	+9
9. South Baluchistan.	0.1	0.1	0	+44	0.5	0.8	-0.3	-39
10. Sind.	2.6	0.5	+2.1	+457	7.2	3.8	+3.4	+90
11. Junagadh @	-	-	-	-	-	-	-	-

*In the calculation of excess and defects and their percentages rainfall figures are taken correct to 0.01"

@Data not available.

M.A.Qureshi.
20.3.1950.

PAKISTAN METEOROLOGICAL DEPARTMENT.

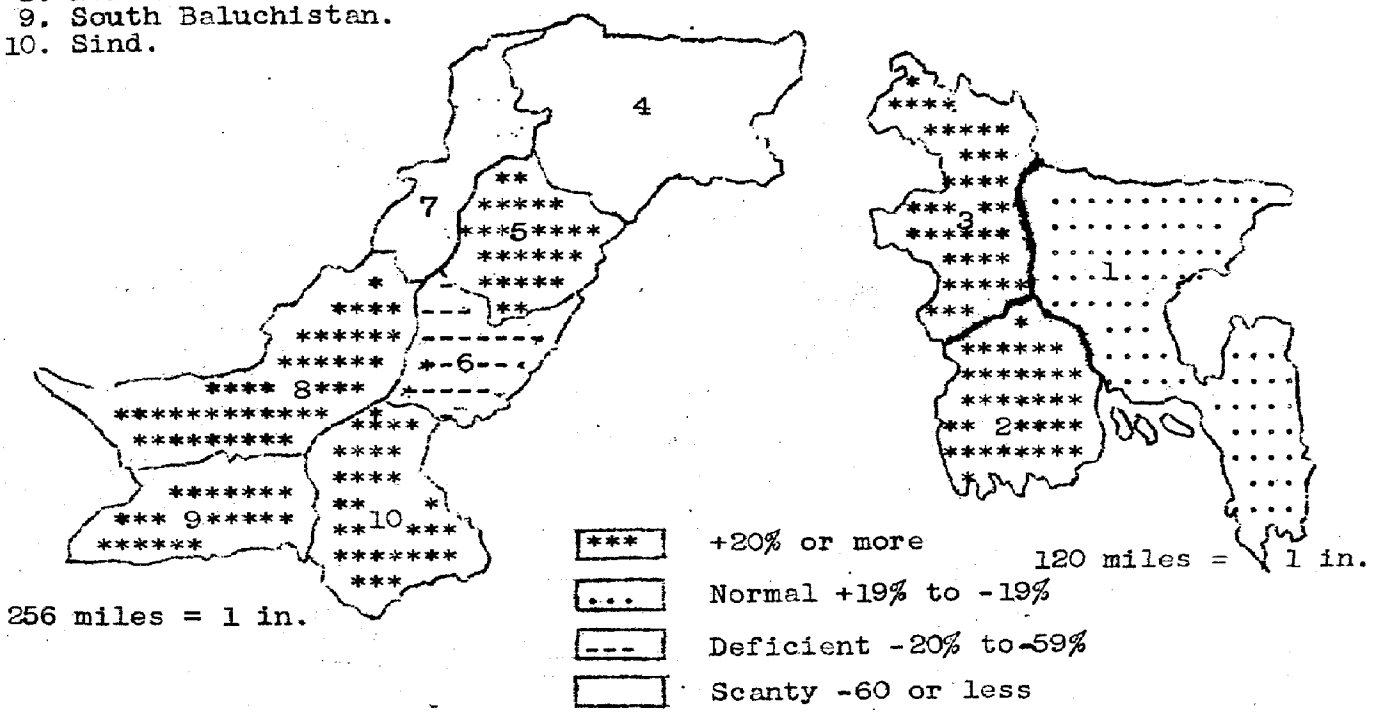
Rainfall for The Week Ending on 10th August 1949.

West Pakistan.

4. Kashmir @
5. North Punjab.
6. South Punjab.
7. N.W.F.P.
8. North Baluchistan.
9. South Baluchistan.
10. Sind.

West Pakistan.

1. East Bengal.
2. Deltaic Bengal.
3. North Bengal.



256 miles = 1 in.

120 miles = 1 in.

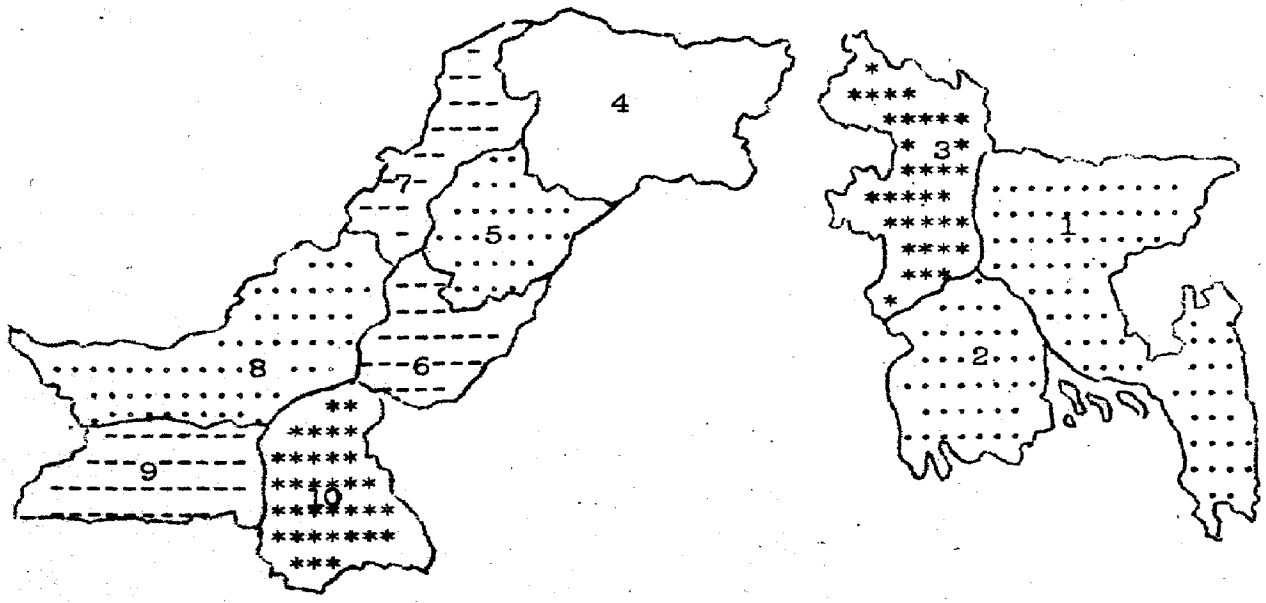
*** +20% or more

... Normal +19% to -19%

--- Deficient -20% to -59%

Scanty -60 or less

Rainfall for the period 1st June, 1949 to 10th August '49.



PAKISTAN METEOROLOGICAL DEPARTMENT.

Weekly Weather Report for Pakistan and Kashmir for the week ending at 0300 hrs. G.M.T. on Wednesday, the 17th Aug.1949.

The chief features of weather during the week were :

i) Passage of two cold fronts associated with the low pressure waves moving through the extreme north of West Pakistan.

ii) Accentuation of the seasonal trough of low pressure.

iii) Development of a well marked low over the lower North West Frontier Province and the adjoining north west Punjab.

The cold fronts associated with low pressure waves moving through the extreme north crossed the country in succession : one affecting weather over the Northern Regions of West Pakistan on the 12th and the other on the 15th and 16th.

The seasonal trough of low pressure accentuated and extended from northeast Baluchistan to the northwest Punjab from 14th to 16th. A well marked low developed over the Lower North West Frontier Province and the adjoining northwest Punjab on the 16th and shifted to the northwest Punjab on the 17th.

Monsoon was generally weak in East Pakistan from 11th to 13th. It was fairly active in eastern sub-division on 14th and 15th, in northern sub-division on the 16th and in all the three sub-divisions on the 17th.

Some of the noteworthy amounts of rainfall during the week were Lyallpur 1" on the 12th; Murree 1" on the 13th; Cox's Bazar and Dinajpur 3" each and Parachinar 1½" on the 14th; Cox's Bazar 3" on the 16th and Murree 1½" on the 17th.

Day temperatures were appreciably below normal in West Pakistan on the 11th. They were appreciably above normal in the northwest Punjab from 14th to 17th, while they fell down appreciably to markedly below normal in the North West Frontier Province on the 17th. In East Pakistan, however, they remained appreciably above normal throughout the week.

2. EAST PAKISTAN : Rainfall was nearly general in eastern and northern sub-divisions on the 15th; local in eastern sub-division on the 13th and 16th in deltaic sub-division on the 12th and from 15th to 17th and in northern sub-division on the 14th, 16th and 17th. A few showers were recorded in the eastern sub-division on the 12th and 17th, in deltaic sub-division on the 14th and in northern sub-division on the 11th.

KASHMIR. Data not available.

WEST PUNJAB : Local showers occurred in the northwest Punjab on the 17th. A few showers also occurred in the northwest Punjab on the 12th, 13th and 16th and in the southwest Punjab on the 12th.

NORTH WEST FRONTIER PROVINCE : A few showers were recorded in the North West Frontier Province from 14th to 17th.

BALUCHISTAN : Dry weather prevailed over the region.

SIND : Weather remained dry in the region.

Contd...2...

3. The week's rainfall was 35% in excess in northern sub-division of East Pakistan. It was deficient in eastern sub-division of East Pakistan; while it was 61% to 100% in defect elsewhere in Pakistan.

Rainfall for the period from 1st June, 1949 to date was 57% and 66% in excess in deltaic sub-division of East Pakistan and Sind respectively. It was within 20% of the normal in eastern and deltaic sub-divisions of East Pakistan, the northwest Punjab and north Baluchistan, while it was deficient elsewhere.

4. The table below summarises the rainfall statistics for the 11 sub-divisions of Pakistan for the week and period from 1st June, 1949 to date.

Mohammad Shabbar.
for DIRECTOR,
Meteorological Service,
Karachi.

Division.	Rainfall for the week ending on 17th August, 1949.				Rainfall for the period from 1st June, 1949 to 17th Aug.			
	Actual.	Normal.	Excess or def.	*Percent.	Actual.	Normal.	Excess or def.	*Percent.
1.East Bengal.	2.5	4.4	-1.8	-45	52.7	47.6	+5.1	+11
2.Deltaic Bengal.	1.2	3.0	-1.8	-61	28.6	33.9	-5.3	-16
3.North Bengal.	2.9	2.1	+0.7	+35	45.6	29.1	+16.5	+57
4.Kashmir.@	-	-	-	-	-	-	-	-
5.Northwest Punjab.	0.3	1.5	-1.3	-82	11.2	11.0	+0.2	+2
6.Southwest Punjab.	0.1	0.5	-0.4	-80	2.3	4.2	-1.9	-46
7.North West Frontier Province.	0	0.4	-0.4	-95	2.1	4.8	-2.7	-56
8.North Baluchistan.	0	0.2	-0.2	-100	2.1	2.2	-0.1	-3
9.South Baluchistan.	0	0.1	-0.1	-100	0.5	0.9	-0.4	-43
10.Sind.	0	0.5	-0.5	-100	7.2	4.4	+2.9	+66
11.Junagadh.@	-	-	-	-	-	-	-	-

*In the calculation of excesses and defects and their percentages rainfall figures are taken correct to 0.01".

@Data not available.

M.A.Qureshi.
20.3.1950.

PAKISTAN METEOROLOGICAL DEPARTMENT.

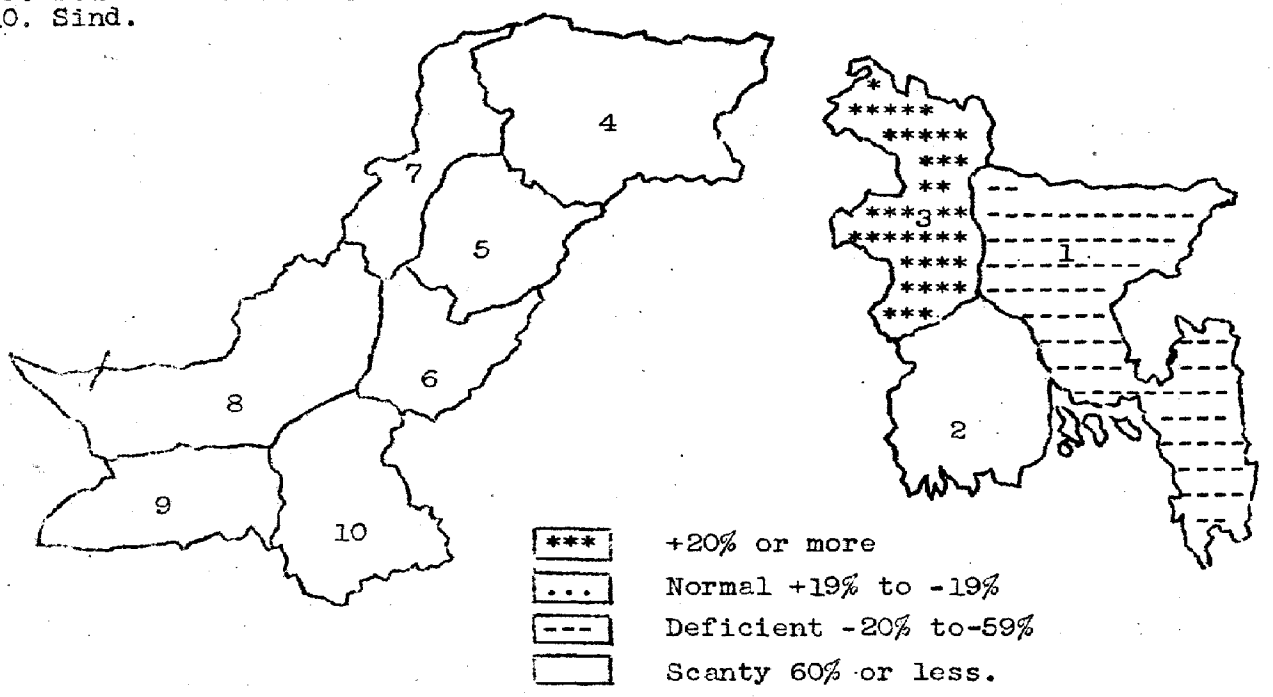
West Pakistan.

4. Kashmir.
5. North Punjab.
6. South Punjab.
7. N.W.F.P.
8. North Baluchistan.
9. South Baluchistan.
10. Sind.

Rainfall for
The Week Ending on
17th August, 1949.

East Pakistan.

1. East Bengal.
2. Deltatic Bengal.
3. North Bengal.

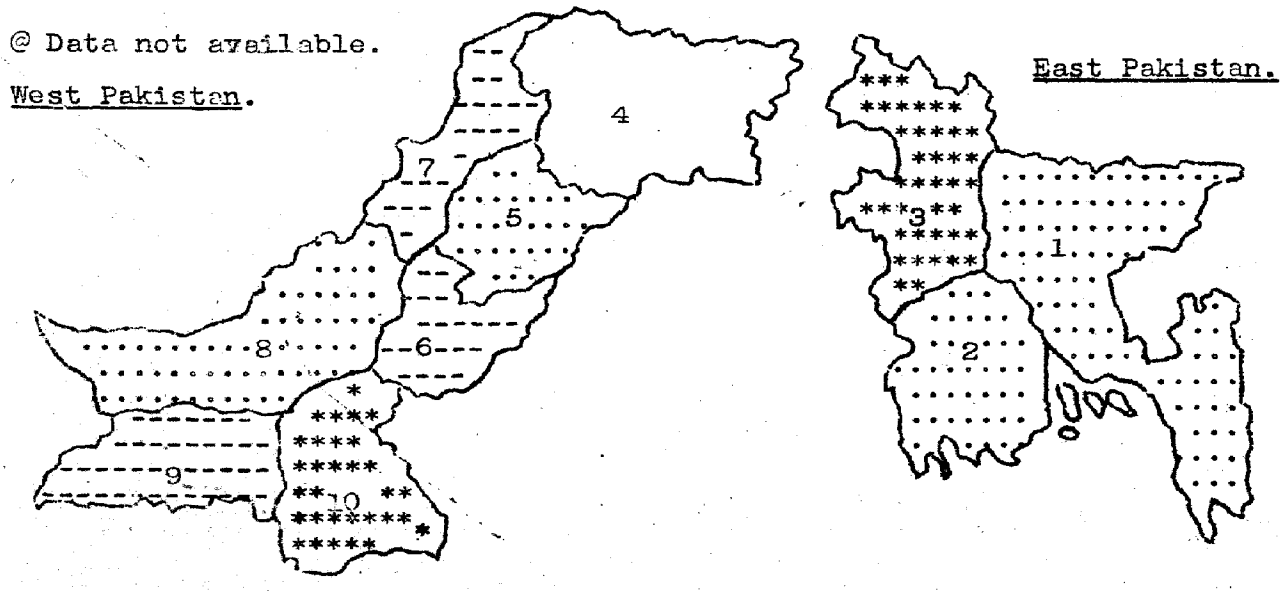


Rainfall for the period
1st June 1949 to 17th August 1949.

@ Data not available.

West Pakistan.

East Pakistan.



PAKISTAN METEOROLOGICAL DEPARTMENT.

Weekly Weather Report for Pakistan and Kashmir
for the week ending at 0300 hrs.GMT
on Wednesday the 24th.AUGUST 1949.

-***-

SUMMARY OF WEATHER: The week was one of the rainiest in East Pakistan and of increasing thunderstorm activity in the northern region of West Pakistan.

A series of cold fronts associated with low pressure waves moving in rapid succession in northeasterly direction, crossed through the extreme north of the country causing local thunder storms at times accompanied by showers in the upper North West Frontier Province, the northwest Punjab and perhaps in Kashmir.

Under the influence of a low over the southwest United Provinces the Intertropical front which was running through the northwest Punjab on the 18th, became active and sufferred a southward movement on the 19th and moved up again on the 20th and remained practically in active over the region for the rest of the week.

Monsoon was generally fairly active in East Pakistan during the whole week.

Some of the noteworthy amounts of rainfall during the week are: Cox's Bazar 3" on the 18th; Chittagong 4" on the 20th and 3" on the 21st; Mymensingh 3" and Sirajganj 5" on the 22nd.

Day temperatures were nearly normal in the country on the 18th and again on the 24th outside the northwest Punjab. They were above normal in the country outside Baluchistan on the 19th and appreciably above normal in lower Sind on the 20th and 21st. They were appreciably to markedly below normal in Baluchistan from the 19th to 23rd and in the North West Frontier Province from the 20th to 22nd.

2. EAST PAKISTAN: Rainfall was nearly general in the northern and eastern sub-divisions throughout the week except on the 21st when a few showers were recorded in the esatern sub-division and on the 24th when local rain occurred in the northern sub-division. The deltaic sub-division recorded local rain on the 20th and 23rd and a few showers on the 18th and 19th.

KASHMIR: D a t a n o t a v a i l a b l e.

WEST PUNJAB: Local rain occurred in the northwest Punjab on the 21st and a few showers on the 19th, 20th, 22nd and 24th. South-west Punjab also recorded a few showers from the 19th to 21st.

NORTH WEST FRONTIER PROVINCE: Local showers occurred on the 19th and a few showers on the 21st.

BALUCHISTAN: Weather remained dry.

S I N D : Weather remained dry.

JUNAGADH : Data not available .

3. The week's rainfall was 102% and 93% in excess in northern and eastern sub-divisions of East Pakistan respectively. It was normal in the North West Frontier Province; while it was 76% to 100% in defect elsewhere.

P.T.O.

Rainfall for the period from 1st June 1949 to date was by 61% in excess in northern, normal in eastern and 21% deficient in deltaic sub-divisions of East Pakistan; while in West Pakistan it was 57" in excess in Sind normal in the northwest Punjab and north Baluchistan and deficient elsewhere.

4. The table below summarises the rainfall statistics for the 11 sub-divisions of Pakistan for the week and period from 1st June 1949 to date.

MOHAMMAD SHABBAR
Meteorologist
for Director, Meteorological Service.

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DIVISION	Rainfall for the week ending on 24th AUG.1949. Actual	Normal.	Excess or Def.	Percent.	Rainfall for the period 1st June '49 to 24th Au Actual.	Normal.	Excess or Def.	Pe ce
1. East Bengal	4.4	2.3	+2.1	+93	57.1	49.9	+7.2	+1
2. Deltaic Bengal	0.7	2.9	-2.2	-76	29.3	36.9	-7.6	-2
3. North Bengal	6.0	3.0	+3.0	+102	51.6	32.1	+19.5	+6
4. Kashmir **	-	-	-	-	-	-	-	
5. N.W.Punjab	0.1	1.5	-1.3	-90	11.4	12.5	-1.1	-9
6. S.W.Punjab	0	0.4	-0.4	-93	2.3	4.6	-2.3	-5
7. N.W.F.P.	0.2	0.2	0	- 8	2.3	5.0	-2.7	-5
8. N.Baluchistan	0	0.2	-0.2	-100	2.1	2.3	-0.3	-1
9. S.Baluchistan	0	0	0	-100	0.5	0.9	-0.4	-4
10. S i n d	0	0.2	-0.2	-100	7.2	4.6	+2.6	+5
11. Junagadh **	-	-	-	-	-	-	-	

* In the calculation of excesses and defects and their percentages rainfall figures are taken correct to 0.01".

** Data not available.

"N"

PAKISTAN METEOROLOGICAL DEPARTMENT.

West Pakistan.

4. Kashmir @
5. North Punjab.
6. South Punjab.
7. N.W.F.P.
8. North Baluchistan.
9. South Baluchistan.
10. Sind.

Rainfall for
The Week Ending on
24th August, 1949.
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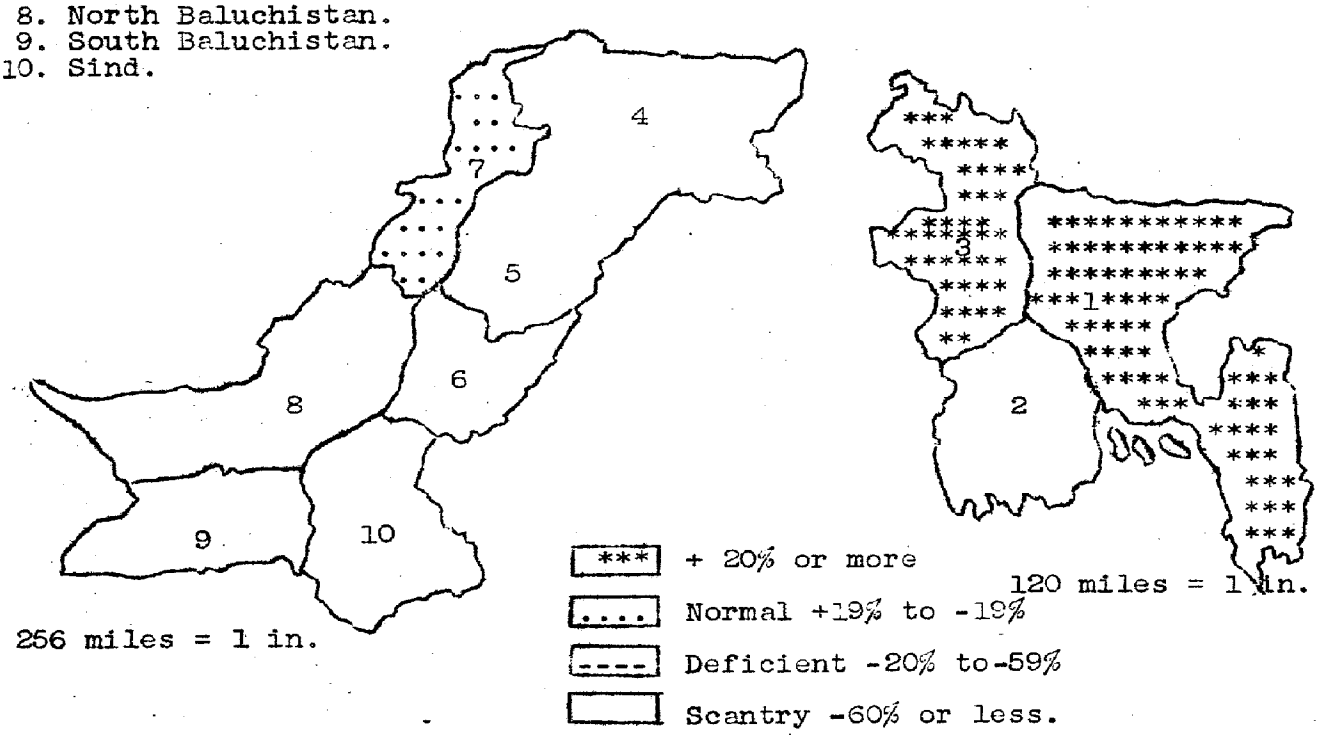
East Pakistan.

1. East Bengal.
2. Deltaic Bengal.
3. North Bengal.



256 miles = 1 in.

120 miles = 1 in.

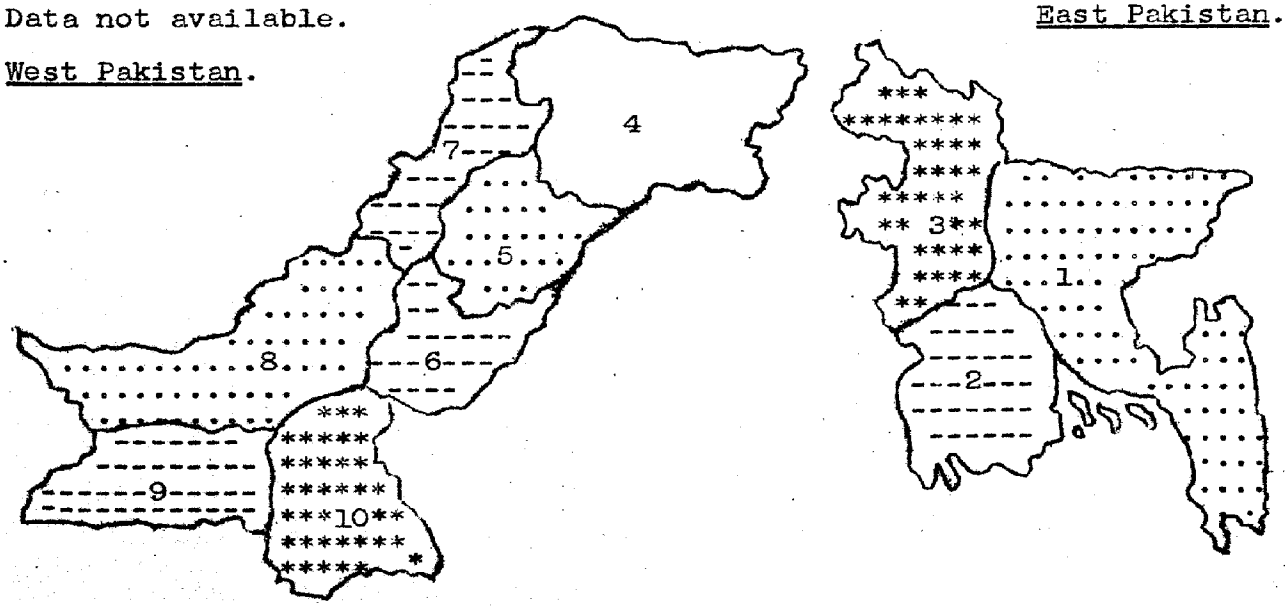
*** + 20% or more
.... Normal +19% to -19%
---- Deficient -20% to-59%
Scantry -60% or less.

Rainfall for the period
1st June 1949 to 24th August '49.

@ Data not available.

West Pakistan.

East Pakistan.



PAKISTAN METEOROLOGICAL DEPARTMENT.

Weekly Weather Report for Pakistan and Kashmir

for the week ending on Wednesday
the 31st August 1949.

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SUMMARY OF WEATHER: Six cold fronts associated with low pressure waves moving northeastwards through the extreme north of the country affected weather over the upper North West Frontier Province, Kashmir and the northwest Punjab where scattered thunderstorms/showers have occurred practically during the whole week.

The seasonal trough of low pressure remained accented while extending from north Baluchistan to the southwest Punjab on the 25th and 26th resulting in scattered dust/thunderstorms in the region.

On the 28th a shallow trough of low was induced off konkan and Kathiawar coasts, by a low over Hyderabad State. The trough was more pronounced on the 29th, the low having moved northwest wards over to Gujrat and Kathiawar. On the 30th the trough off Konkan coast and the low over Gujrat formed into a complex low while conditions off Kathiawar coast still continued stale. The trough was more pronounced on the 29th the low over Hyderabad having moved northwards to Gujrat and Kathiawar. On the 30th the low over Gujrat - Kathiawar and the trough off Konkan coast formed into a complex low while conditions off Kathiawar coast remained unsettled. On the 31st however, the low over Gujrat - Kathiawar filled up.

Under the influence of these lows the Intertropical front suffered a southward movement in the west Pakistan and remained fairly active over lower Sind and south Baluchistan on the 30th and 31st.

Monsoon was active in east Bengal on the 25th and 26th and was generally weak in the remaining days of the week.

The day temperatures were appreciably to markedly above normal generally in the West Pakistan from 29th to 31st while they were nearly normal in East Bengal during this period.

EAST BENGAL: Rainfall was nearly general in the eastern and northern sub-divisions on the 25th and in the deltaic sub-division on the 26th. Local rainfall occurred in the eastern sub-division on the 26th and 28th and in the deltaic sub-divisions on the 30th. A few showers were recorded for 3 days in the eastern sub-division and for two days each in the deltaic and the northern sub-divisions.

KASHMIR: D a t a n o t a v a i l a b l e.

WEST PUNJAB: Rainfall was nearly general in the northwest Punjab and scattered in the southwest Punjab on the 25th. A few showers were also recorded over and near the northwest Punjab hills on the 26th.

NORTH WEST FRONTIER PROVINCE: A few showers occurred in the Province on the 25th, 26th and 30th.

BALUCHISTAN: A few showers were recorded in north Baluchistan on the 26th, 28th and 31st and in south Baluchistan on the 29th and 31st.

S I N D: Weather was dry during the week.

JUNAGADH: Data not available.

The week's rainfall was 200% in excess in south Baluchistan, and 51% in excess in the deltaic sub-division of East Bengal. It was normal in the southwest Punjab and north Baluchistan, deficient in the eastern sub-division of East Bengal and the northwest Punjab, while it was 63% to 100% in defect elsewhere.

P.T.O.

Rainfall for the period from 1st June to date was 49% to 50% in excess in the northern sub-division of East Bengal and Sind respectively. It was normal in the eastern and deltaic sub-divisions of East Bengal, the northwest Punjab and north Baluchistan, while it was 42% to 57% deficient elsewhere.

The table below summarises the rainfall statistics for the 11 Sub-divisions of Pakistan for the week and the period from 1st June 1949 to date.

MOHAMMAD SHABBAR
Meteorologist
for Director, Meteorological Service.

DIVISIONS.	Rainfall for the week ending on 31st Aug.1949. Actual.	Normal.	Excess or Def.	Percent*	Rainfall for the period 1st June to 31st Aug. Actual.	Normal.	Excess or Def.	Pe ce
1. East Bengal(East)	2.7	3.6	-0.9	-25	59.8	53.5	+6.3	+
2. East Bengal(Deltaic)	2.2	1.4	+0.7	+51	31.5	38.3	-6.8	-
3. East Bengal (North)	1.2	3.4	-2.1	-63	52.9	35.5	+17.4	+
4. K a s h m i r **	-	-	-	-	-	-	-	-
5. N.W.Punjab	0.8	1.1	-0.3	-26	12.1	13.6	-1.4	-
6. S.W.Punjab	0.2	0.2	0	+11	2.5	4.8	-2.3	-
7. N.W.F.P.	0.4	1.2	-0.8	-69	2.7	6.2	-3.5	-
8. N-Baluchistan	0.1	0.2	0	-15	2.2	2.5	-0.3	-
9. S.Baluchistan	0	0	0	+200	0.5	0.9	-0.4	-
10. S i n d	0	0.2	-0.3	-100	7.2	4.8	+2.4	+
11. Junagadh **	-	-	-	-	-	-	-	-

* In the calculation of excesses and defects and their percentages rainfall figures are taken correct to 0.01".

** D a t a n o t a v a i l a b l e.

"N"

PAKISTAN METEOROLOGICAL DEPARTMENT

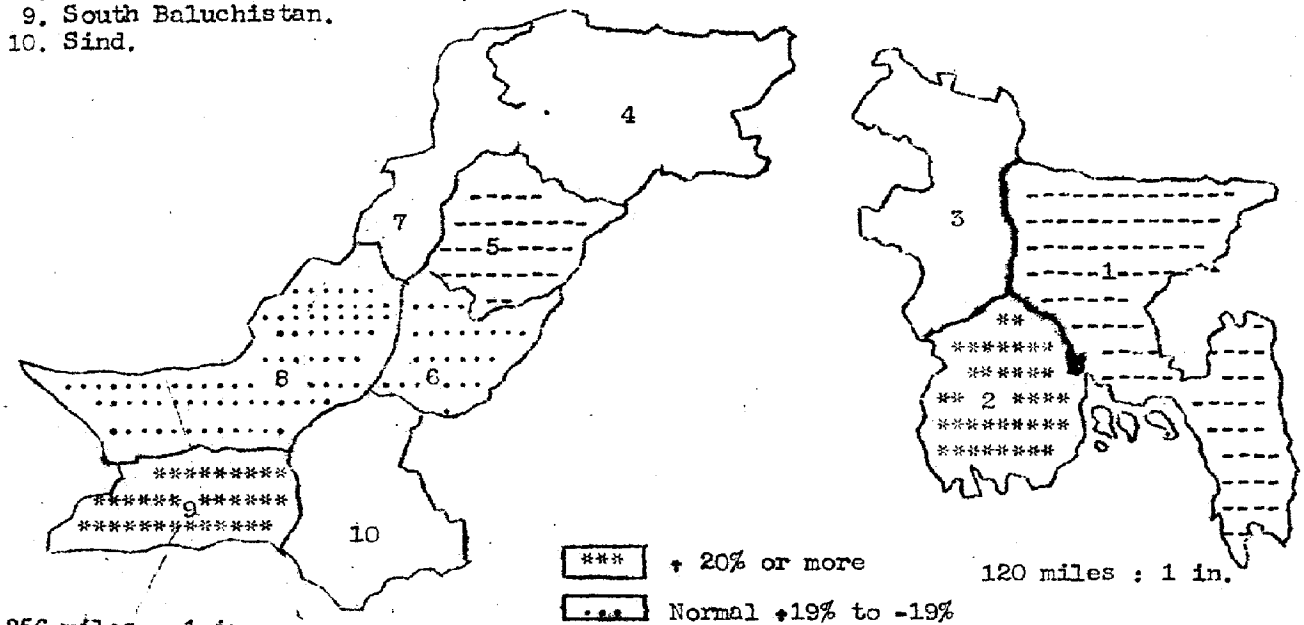
Rainfall for
The Week Ending on 31st August '49

West Pakistan.

4. Kashmir @
5. North Punjab.
6. South Punjab.
7. N. W. F. P.
8. North Baluchistan.
9. South Baluchistan.
10. Sind.

East Pakistan.

1. East Bengal.
2. Deltaic Bengal.
3. North Bengal.



256 miles : 1 in.

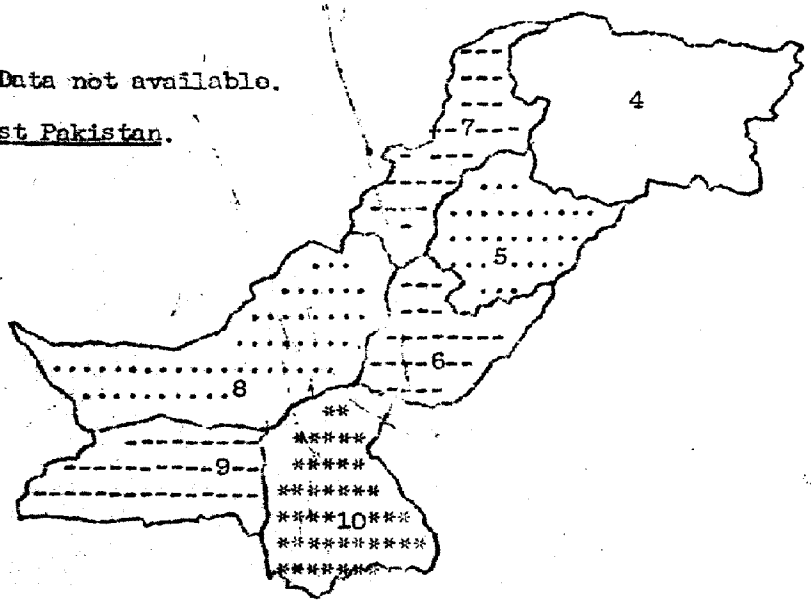
120 miles : 1 in.

*** + 20% or more
... Normal +19% to -19%
--- Deficient -20% to -59%
Scanty -60% or less.

Rainfall for the period
1st June, 1949 to 31st August, 1949.

@ Data not available.

West Pakistan.



East Pakistan.

Regd. No.....

WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G. M. T. on Wednesday the 14th September, 1949

——o:O:o——

SUMMARY OF WEATHER

1. During the first two days of the week four cold fronts associated with low pressure waves, moved eastwards in rapid succession across the northern region of West Pakistan, causing scattered thunderstorms/showers in the upper North-West Frontier Province, Kashmir and the adjoining northwest Punjab. During the rest of the week three low pressure waves moved northeastwards across the extreme north of West Pakistan.

Unsettled conditions at the head Bay of Bengal developed into a depression of Orissa coast on the 8th and crossed the coast on the 9th thereby causing an incursion of monsoon air into East Pakistan. Monsoon activity weakened once again on the 10th due to unsettled conditions at the head Bay. On the 12th a shallow low appeared in the northwest angle of the head Bay. Monsoon became active once again on the 14th as the low moved away northwestwards.

Some of the noteworthy amounts of rainfall were as follows:—Chittagong 2" on the 10th and Srimangal 3" on the 12th.

Day temperatures were appreciably to markedly above normal in West Pakistan from the 8th to 12th; in the West Punjab and the North-West Frontier Province on the 13th and 14th; while in East Pakistan they were appreciably above normal on the 8th and 9th and generally nearly normal for the remaining days of the week.

2. EAST PAKISTAN:—Rainfall was nearly general in the Eastern sub-division on the 9th, 12th and 14th; in the Deltaic sub-division on the 9th and in the Northern sub-division on the 12th and 13th. Local rainfall occurred in the Eastern sub-division on the 10th and 13th; in the Deltaic sub-division on the 8th and from 12th to 14th; and in the Northern sub-division on the 11th. A few showers occurred in the Eastern sub-division on the 8th.

KASHMIR:—Data not available.

WEST PUNJAB:—A few showers occurred in the northwest Punjab on the 8th and 9th.

NORTH-WEST FRONTIER PROVINCE:—A few showers were reported from the hills on the 14th.

BALUCHISTAN:—Weather remained dry.

SIND:—Weather remained dry.

JUNAGADH:—Data not available.

3. The week's rainfall was normal in the Deltaic sub-division and deficient in the Eastern and Northern sub-divisions of East Pakistan; while it was in defect by 87% in the northwest Punjab and by 100% elsewhere in West Pakistan.

Rainfall for the period from 1st June 1949 to date was 38% in excess in the Northern sub-division of East Pakistan and Sind. It was within 19% of the normal in the Eastern sub-division of East Pakistan, the northwest Punjab and north Baluchistan; deficient in the Deltaic sub-division of East Pakistan, the southwest Punjab and south Baluchistan; while it was scanty in the North-West Frontier Province.

4. The table overleaf summarises the rainfall statistics for the 11 sub-divisions of Pakistan for the week and The period from 1st June, 1949 to date.

KARACHI-11.
The 14th September, 1949.

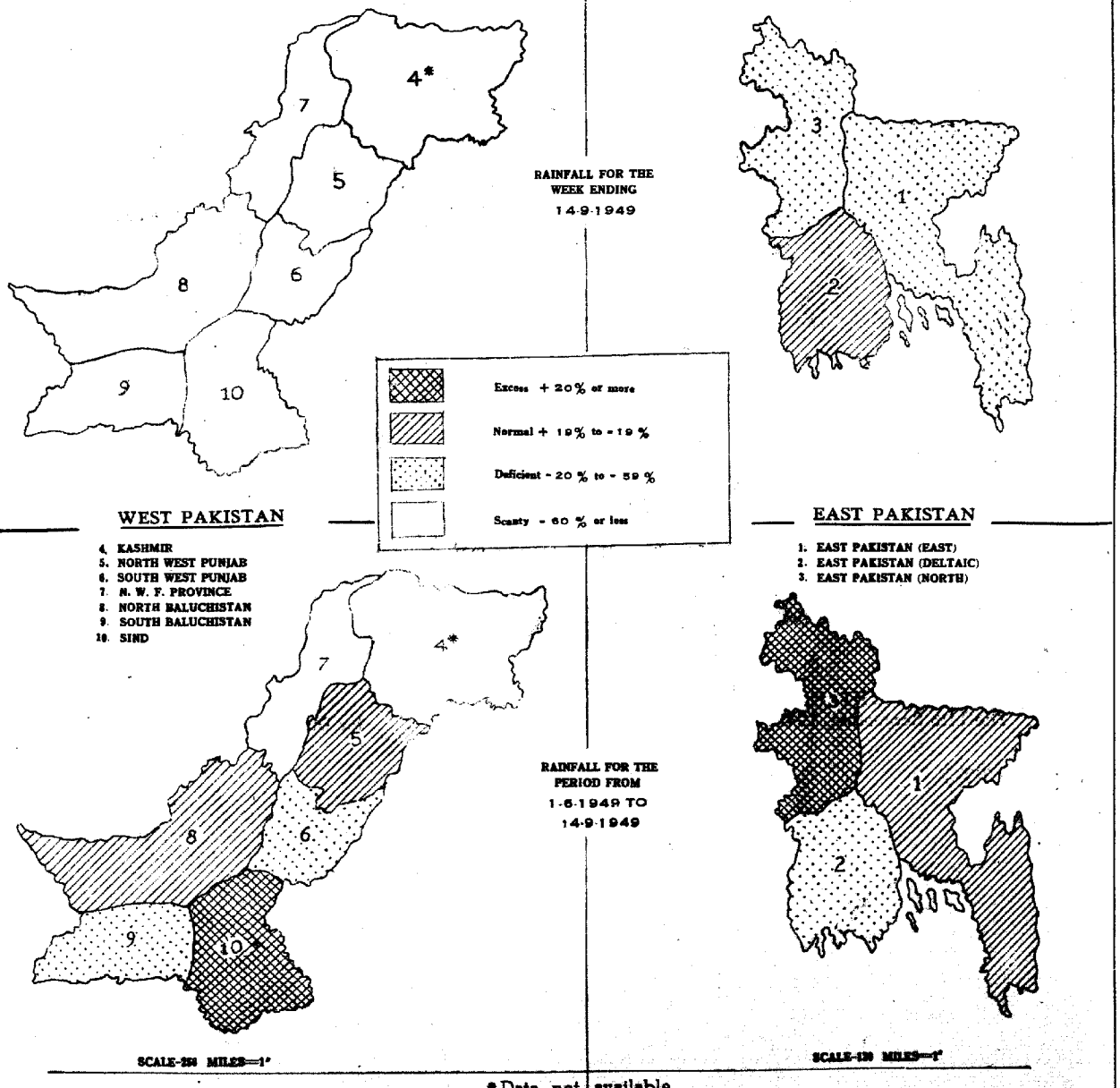
MOHAMMAD SHABBAR,
for Director, Meteorological Services.

WEEKLY WEATHER REPORT

Division	Rainfall for week ending on 14th September 1949.			Rainfall for period from 1-6-49 to 14th September 1949.			
	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)	2.0	2.7	−0.7	64.8	59.7	+ 5.1	+ 9
2. East Pakistan (Deltaic)	1.8	1.9	−0.1	34.0	43.8	−9.9	−23
3. East Pakistan (North)	1.6	2.8	−1.2	57.0	41.4	+ 15.6	+38
4. Kashmir †	....	....	....	....	....	....	...
5. North West Punjab	0.1	0.7	−0.6	13.3	15.2	−1.8	−12
6. South West Punjab	0	0.1	−0.1	2.5	5.1	−2.6	−51
7. N. W. F. P.	0	0.5	−0.5	2.7	6.9	−4.2	−61
8. North Baluchistan	0	0.1	−0.1	2.2	2.7	−0.5	−17
9. South Baluchistan	0	0	0	0.5	0.9	−0.4	−44
10. Sind	0	0.2	−0.2	7.2	5.2	+ 2.0	+38
11. Junagadh †	...	....	....	...	....		....

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

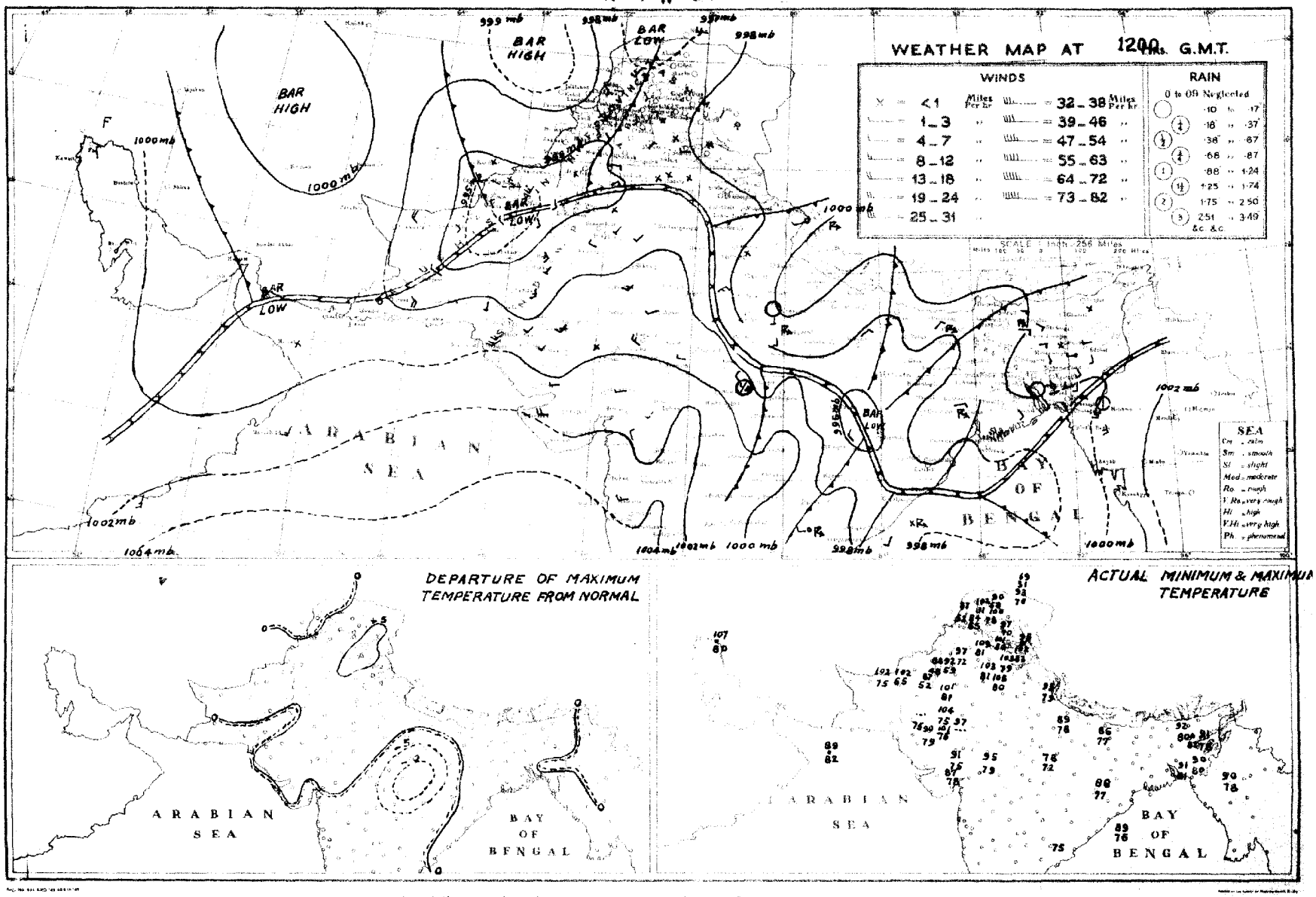
† Data not available.



* Data not available.

PAKISTAN DAILY WEATHER REPORT

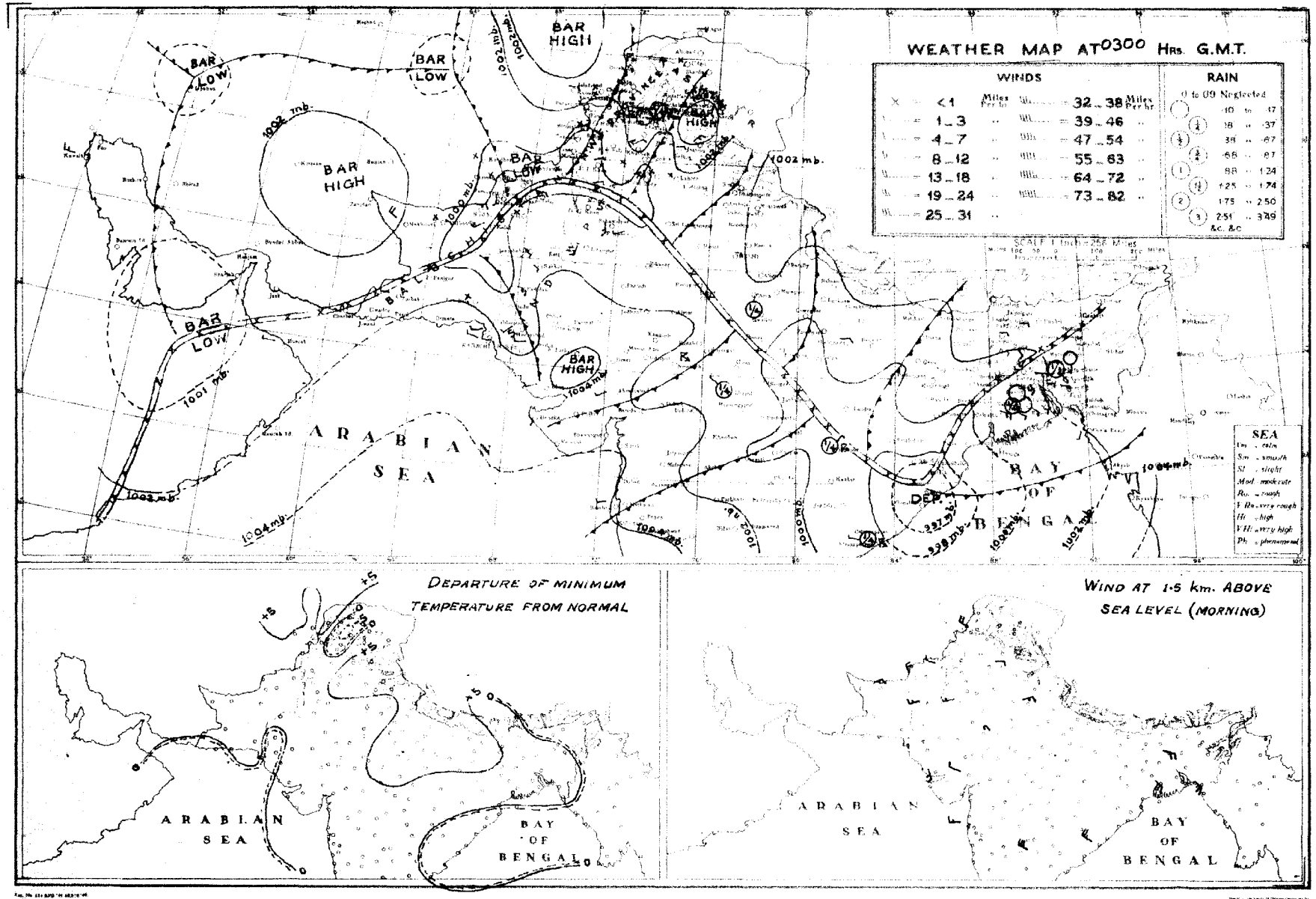
WEDNESDAY 7TH SEPTEMBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

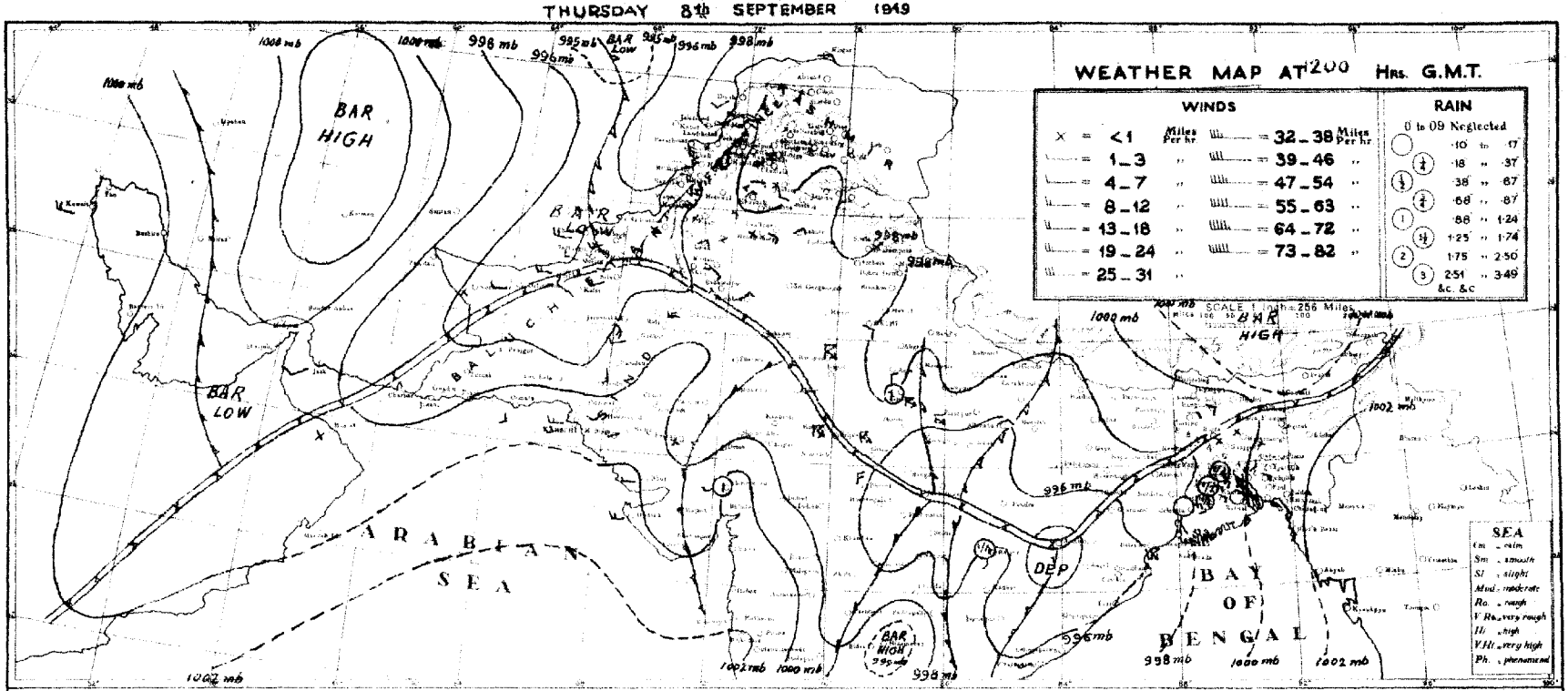
THURSDAY 8th SEPTEMBER 1949.

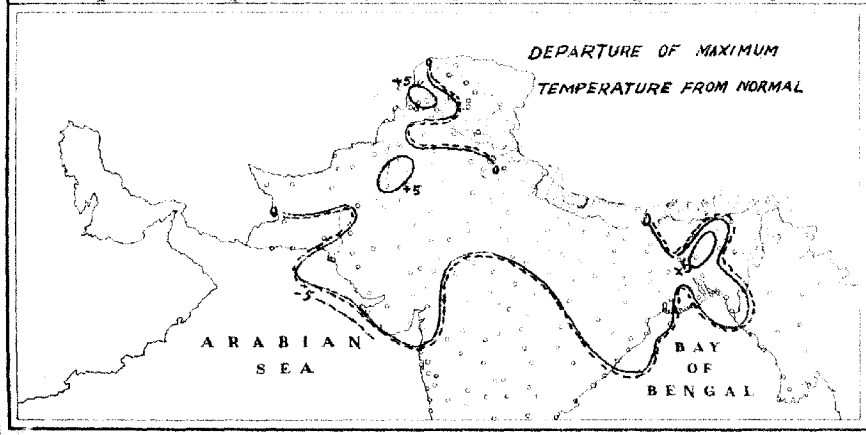


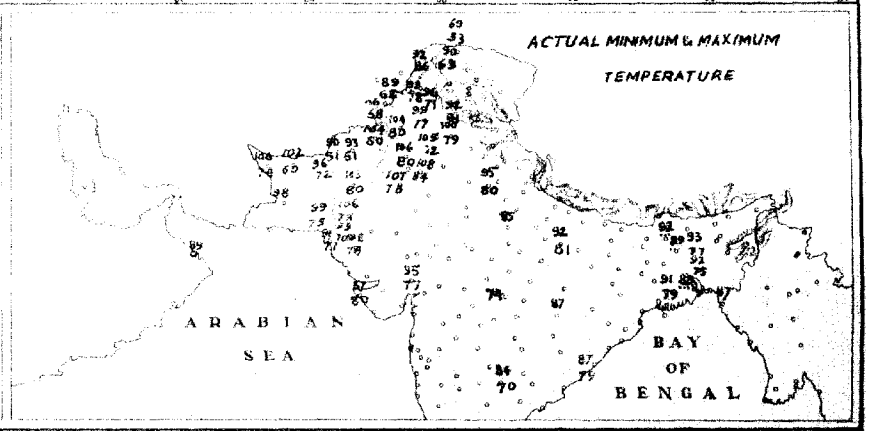
Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER REPORT

THURSDAY 8th SEPTEMBER 1949



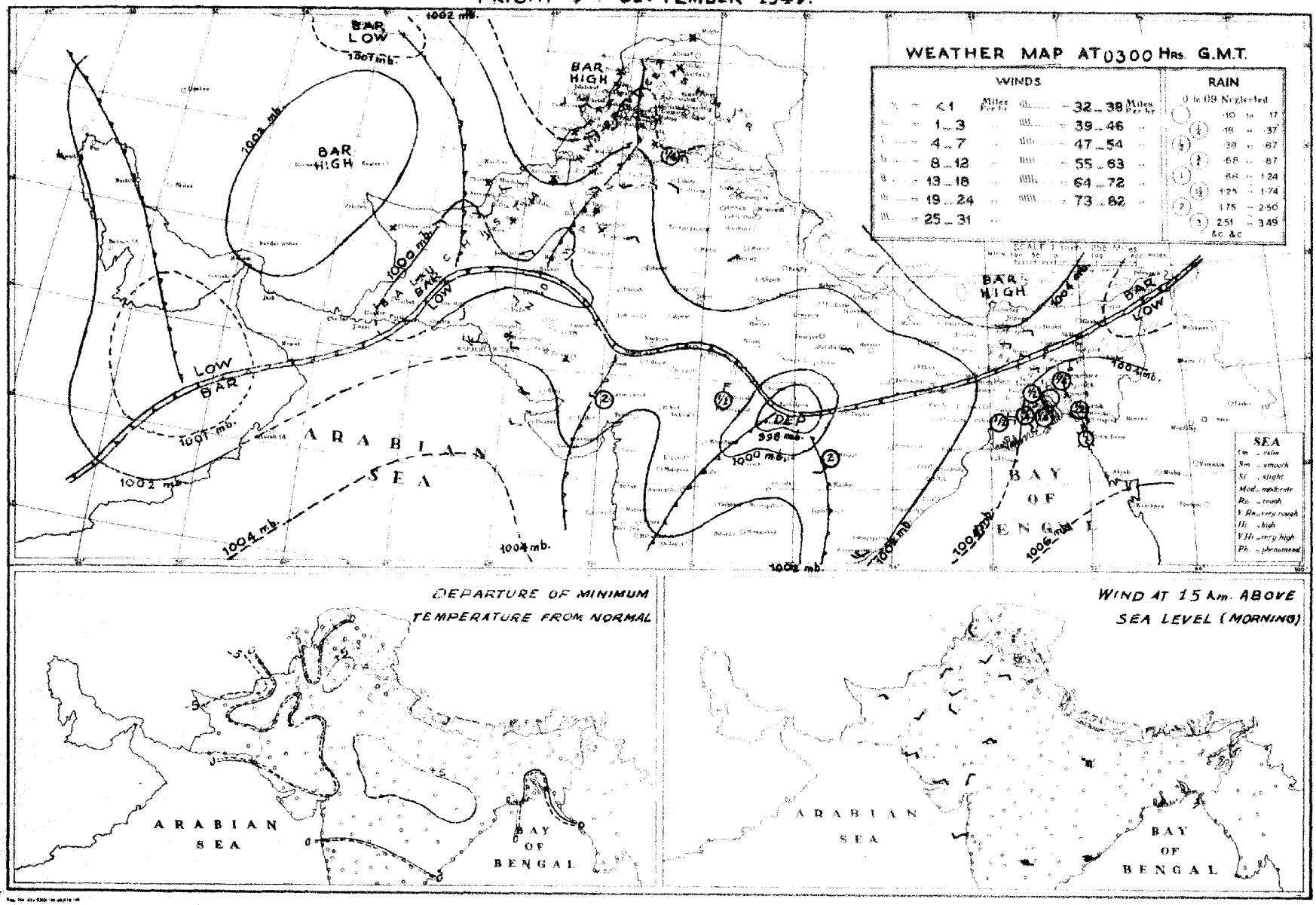




Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER REPORT

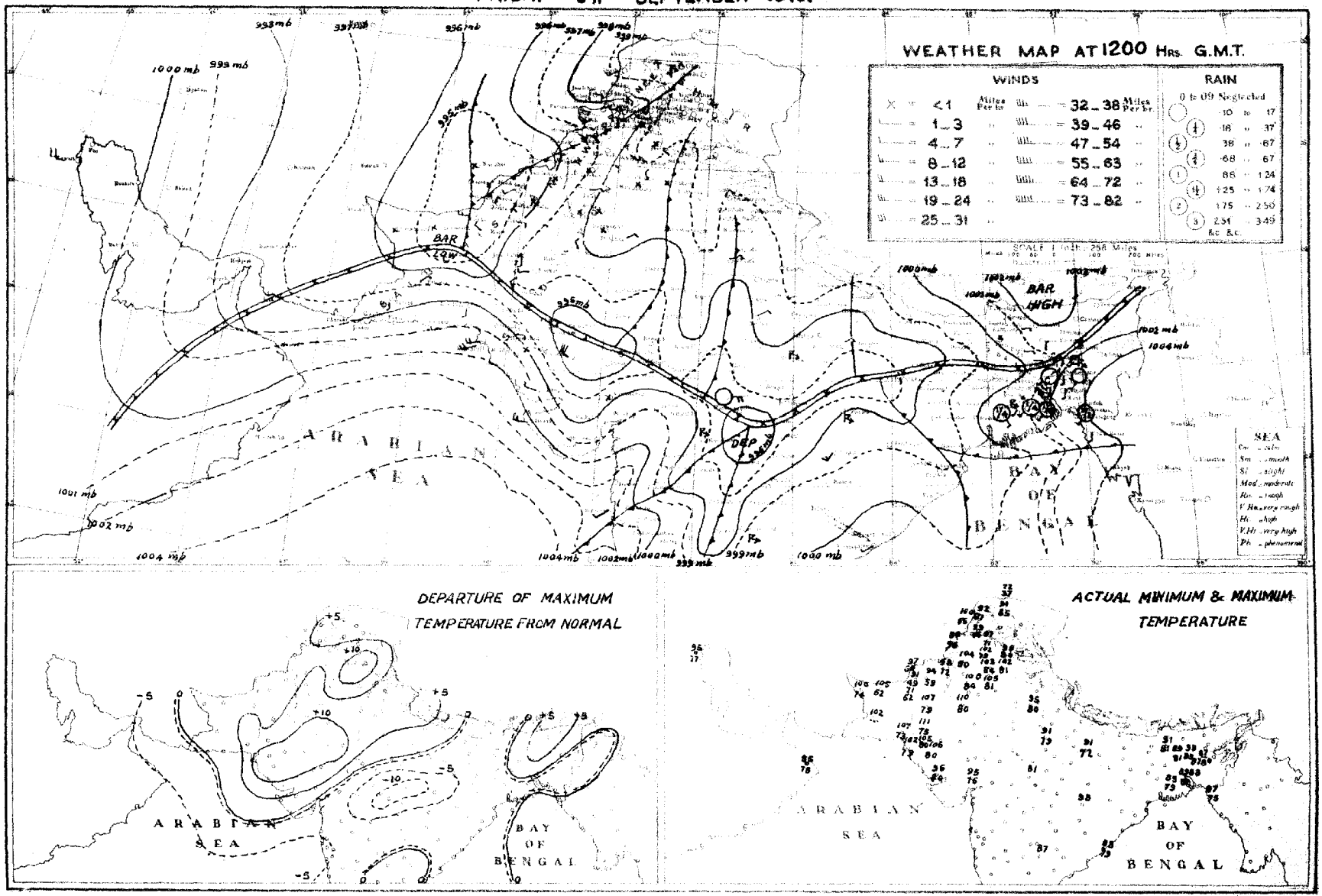
FRIDAY 9th SEPTEMBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

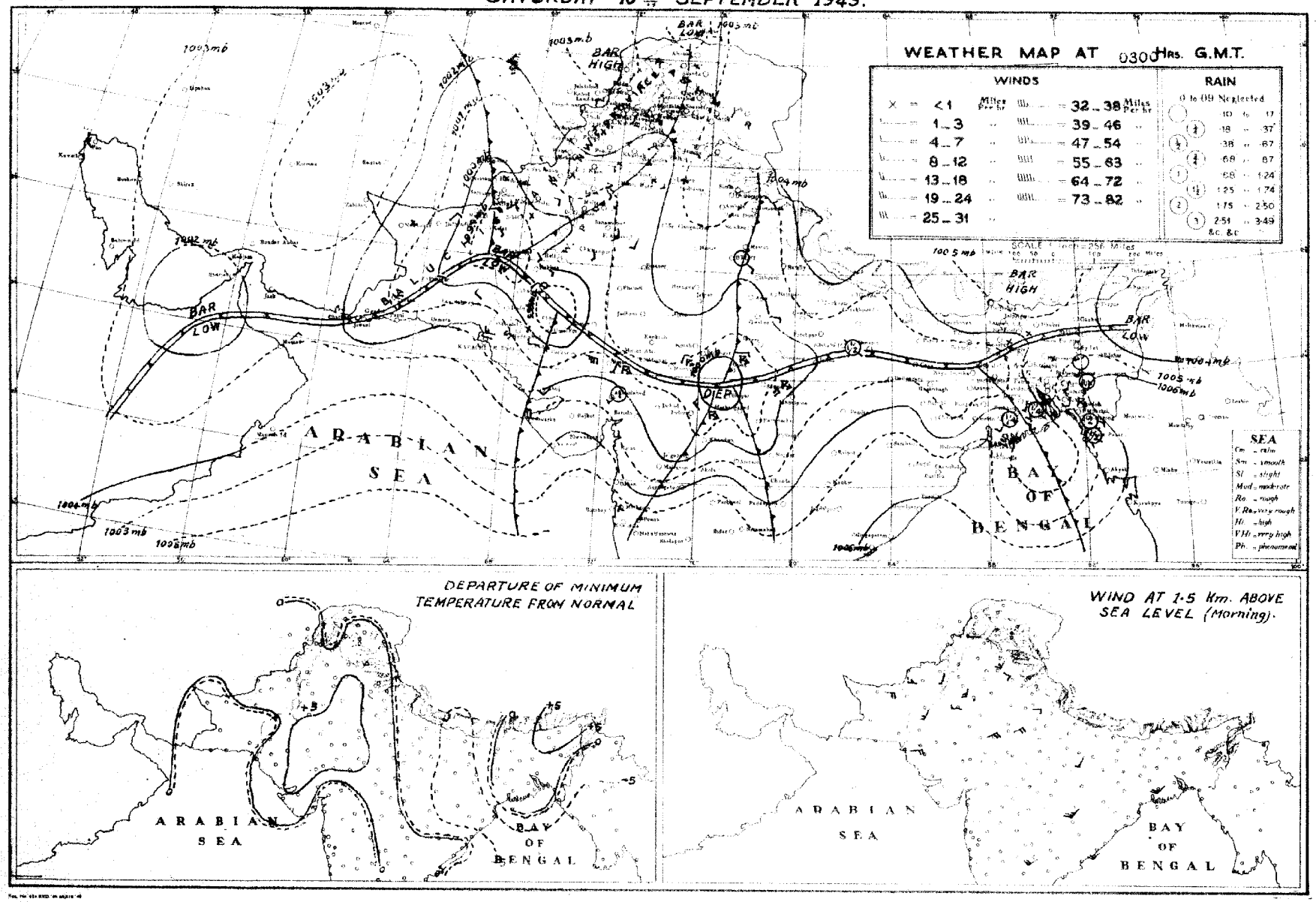
FRIDAY 9th SEPTEMBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

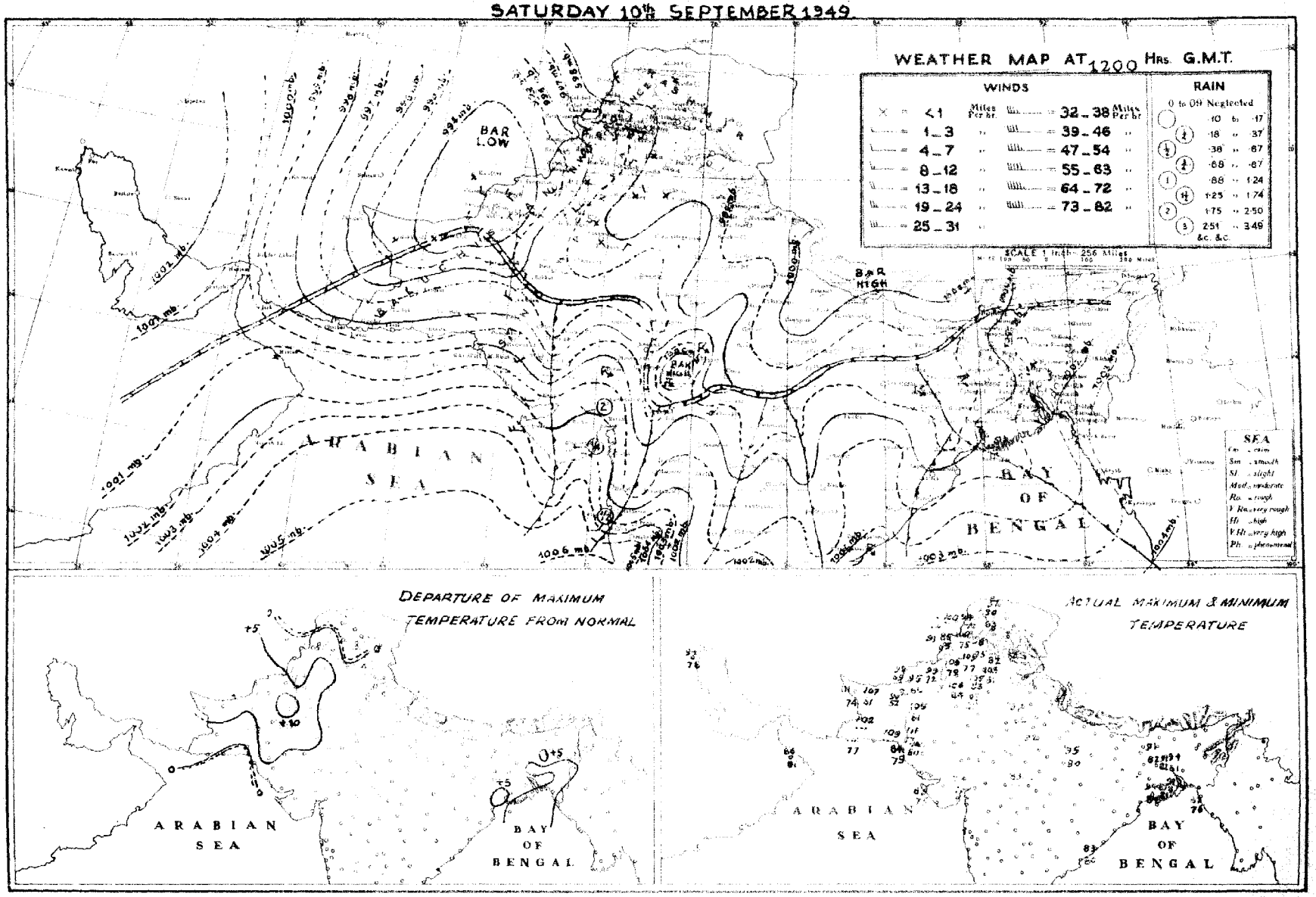
SATURDAY 10th SEPTEMBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

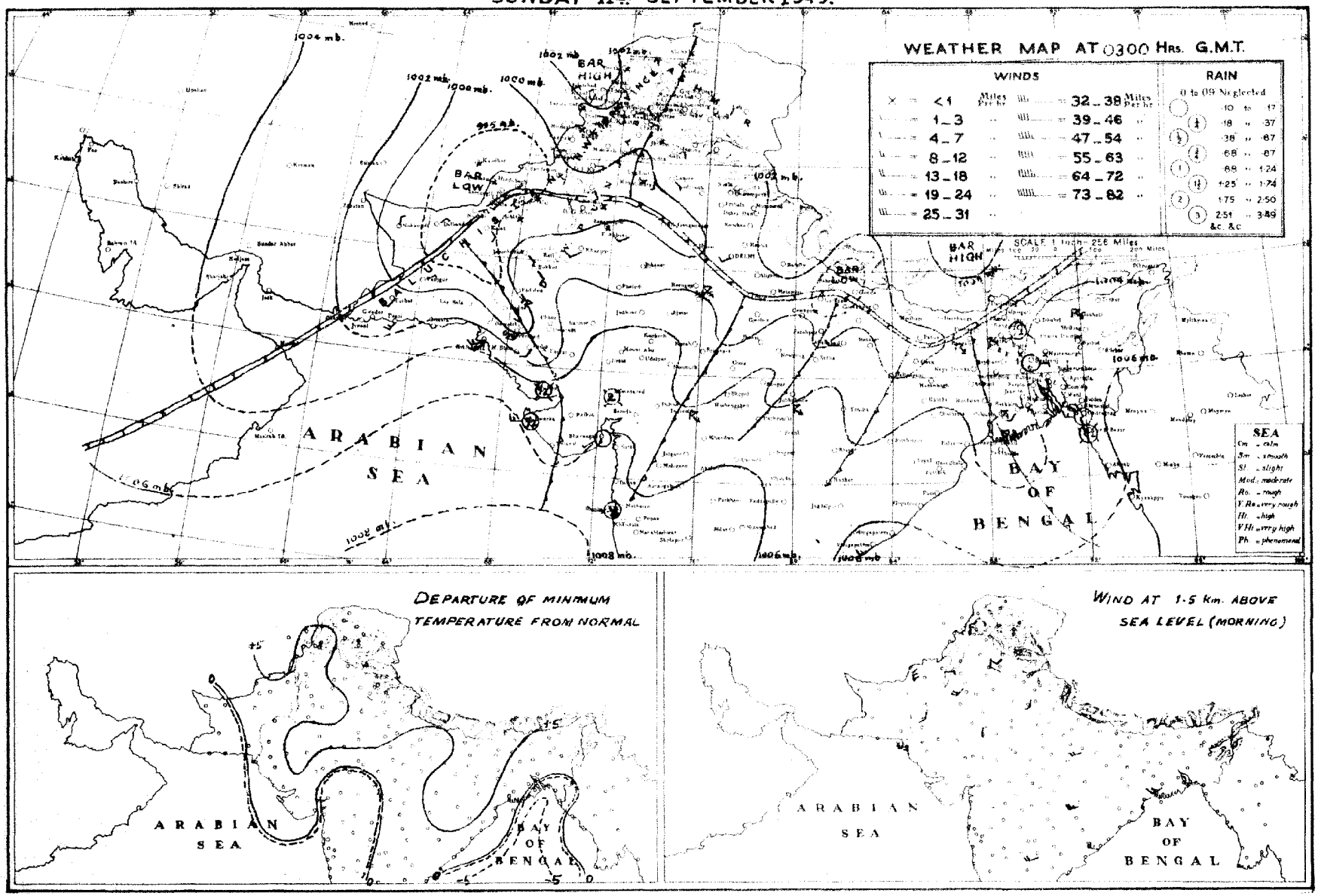
SATURDAY 10th SEPTEMBER 1949



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

PAKISTAN DAILY WEATHER REPORT

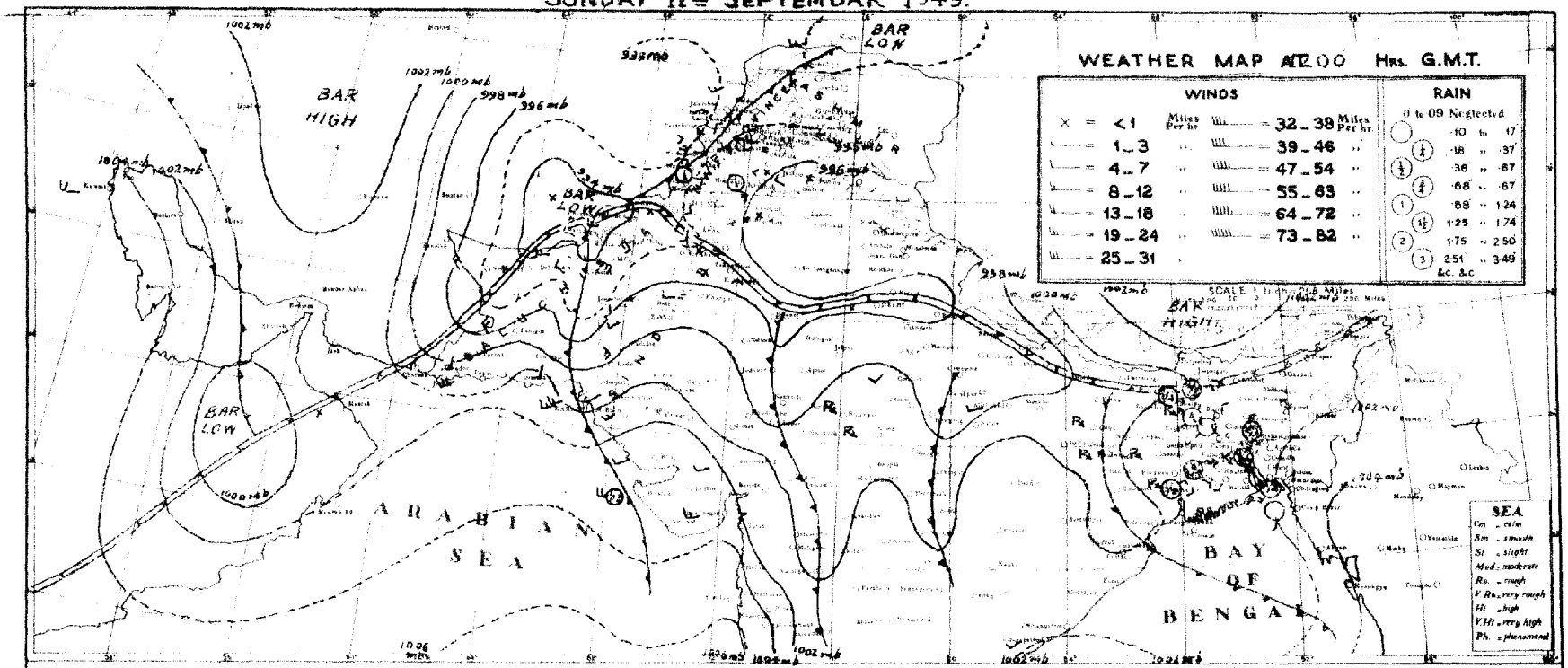
SUNDAY 11th SEPTEMBER 1949.

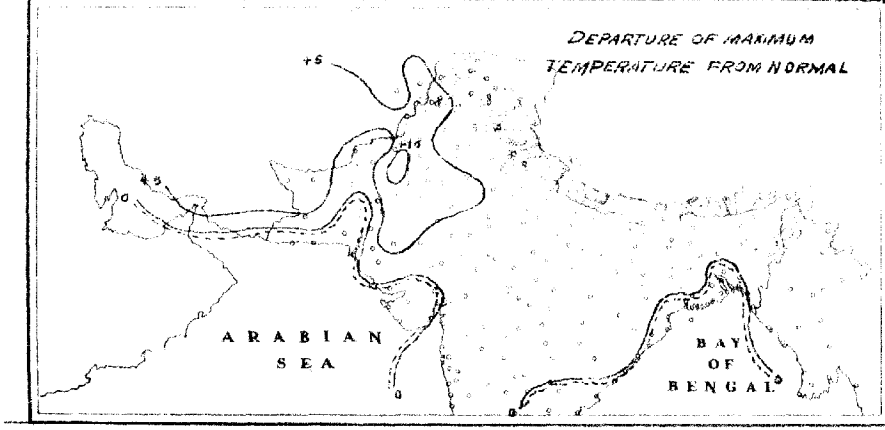


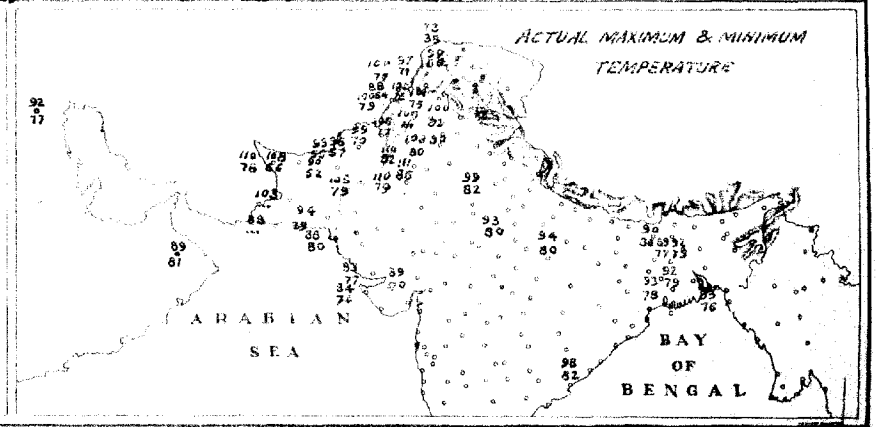
Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER REPORT

SUNDAY 11th SEPTEMBAR 1949.



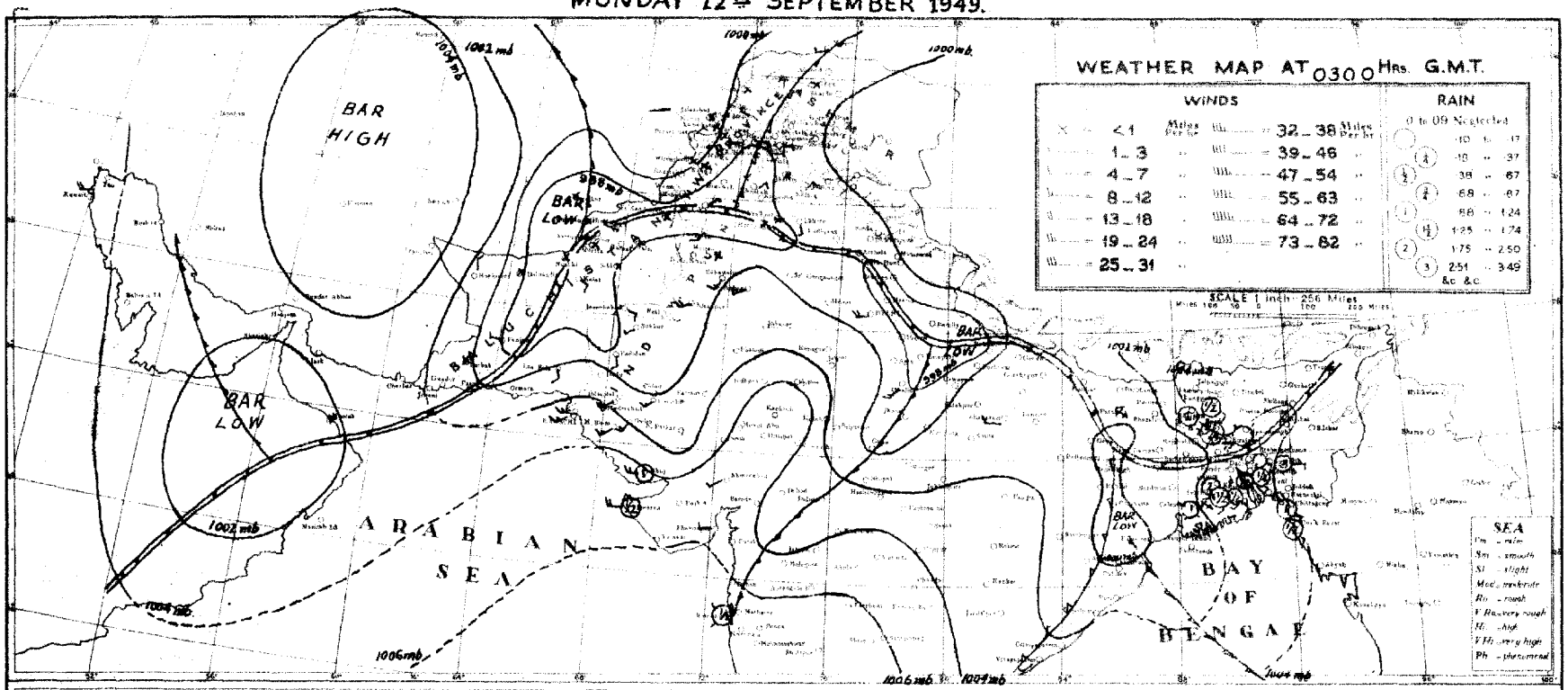


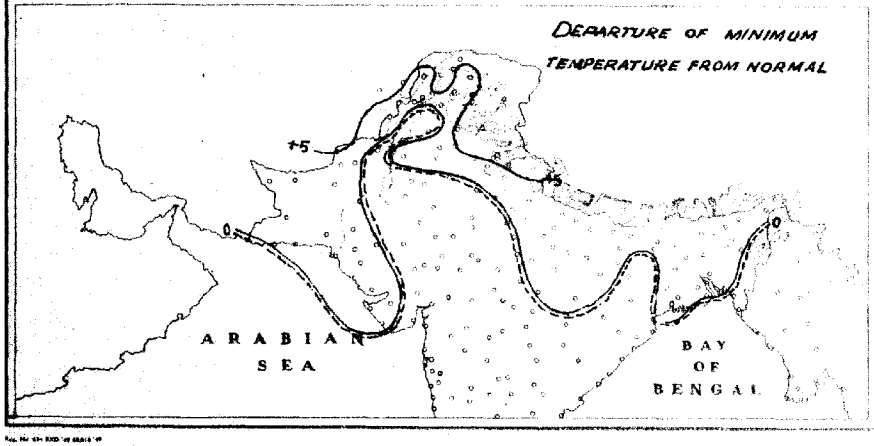


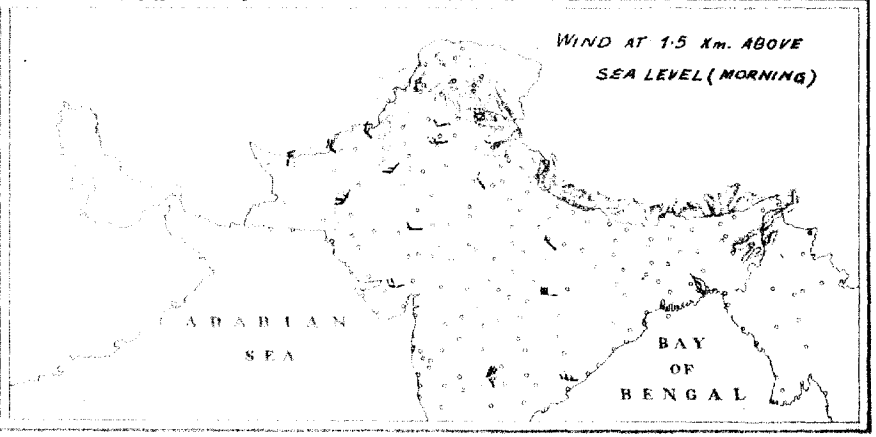
Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER REPORT

MONDAY 12th SEPTEMBER 1949.



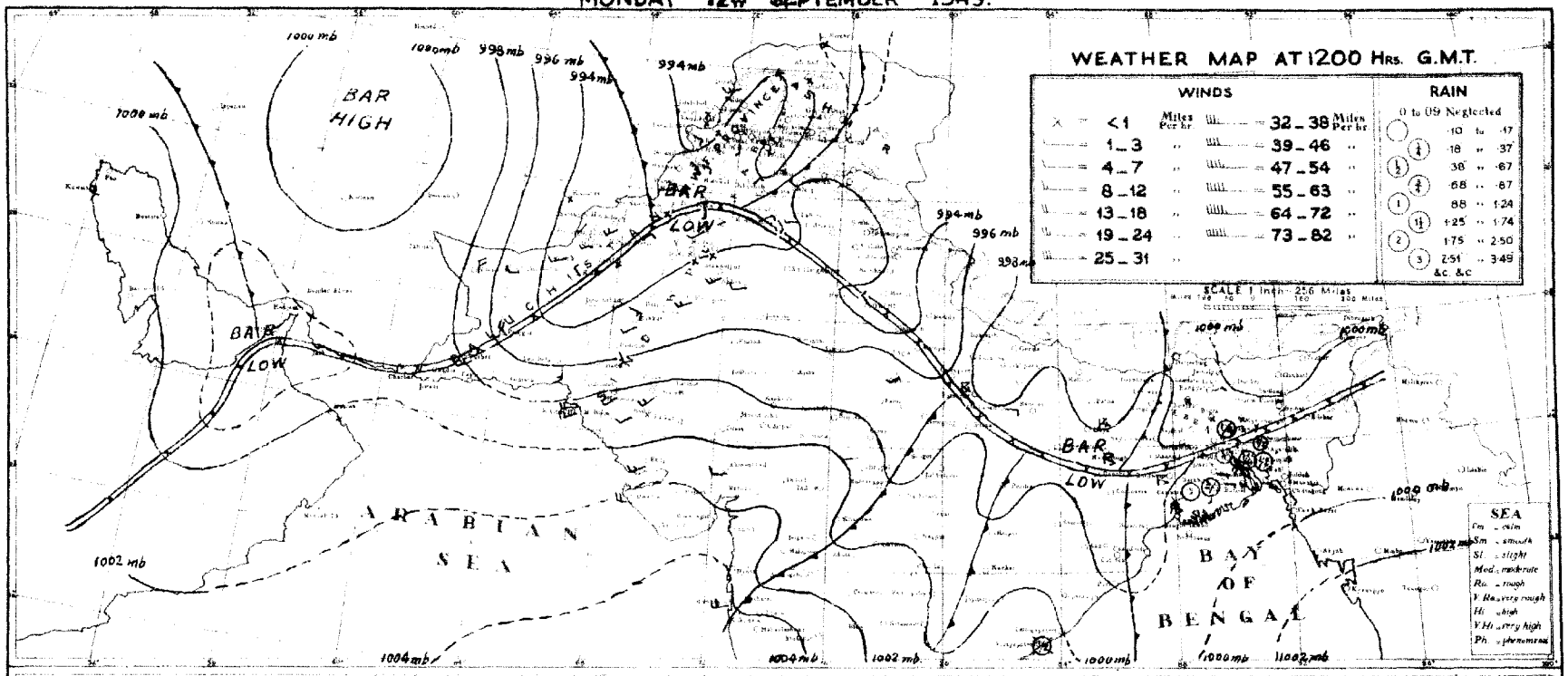


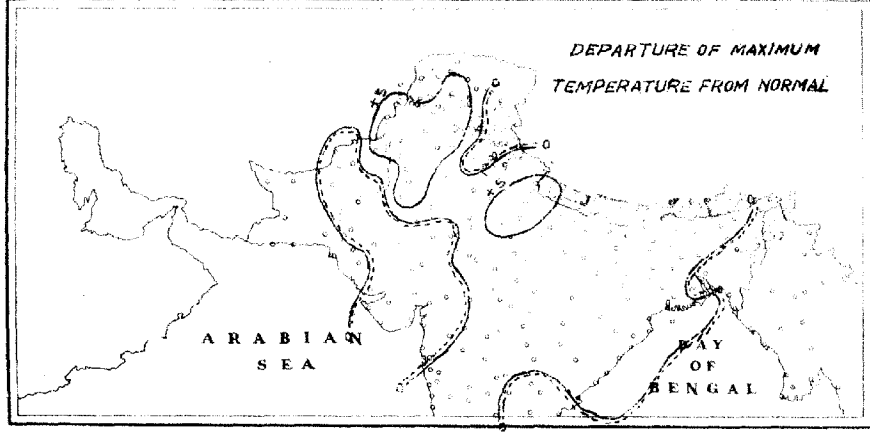


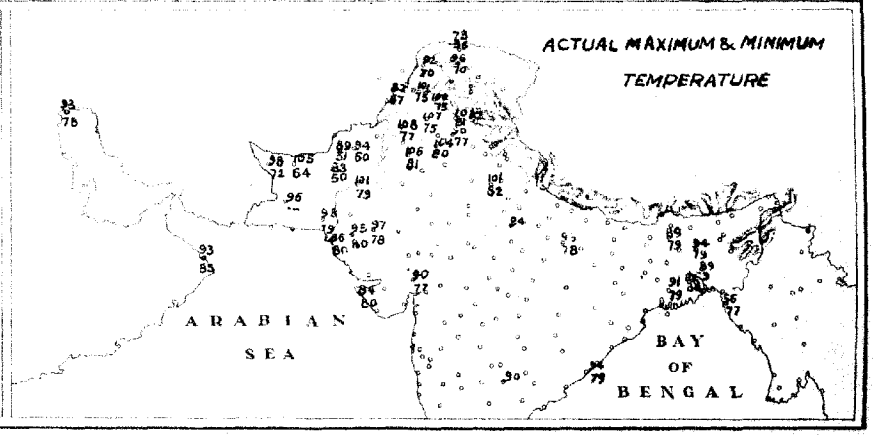
Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER REPORT

MONDAY 12th SEPTEMBER 1949.



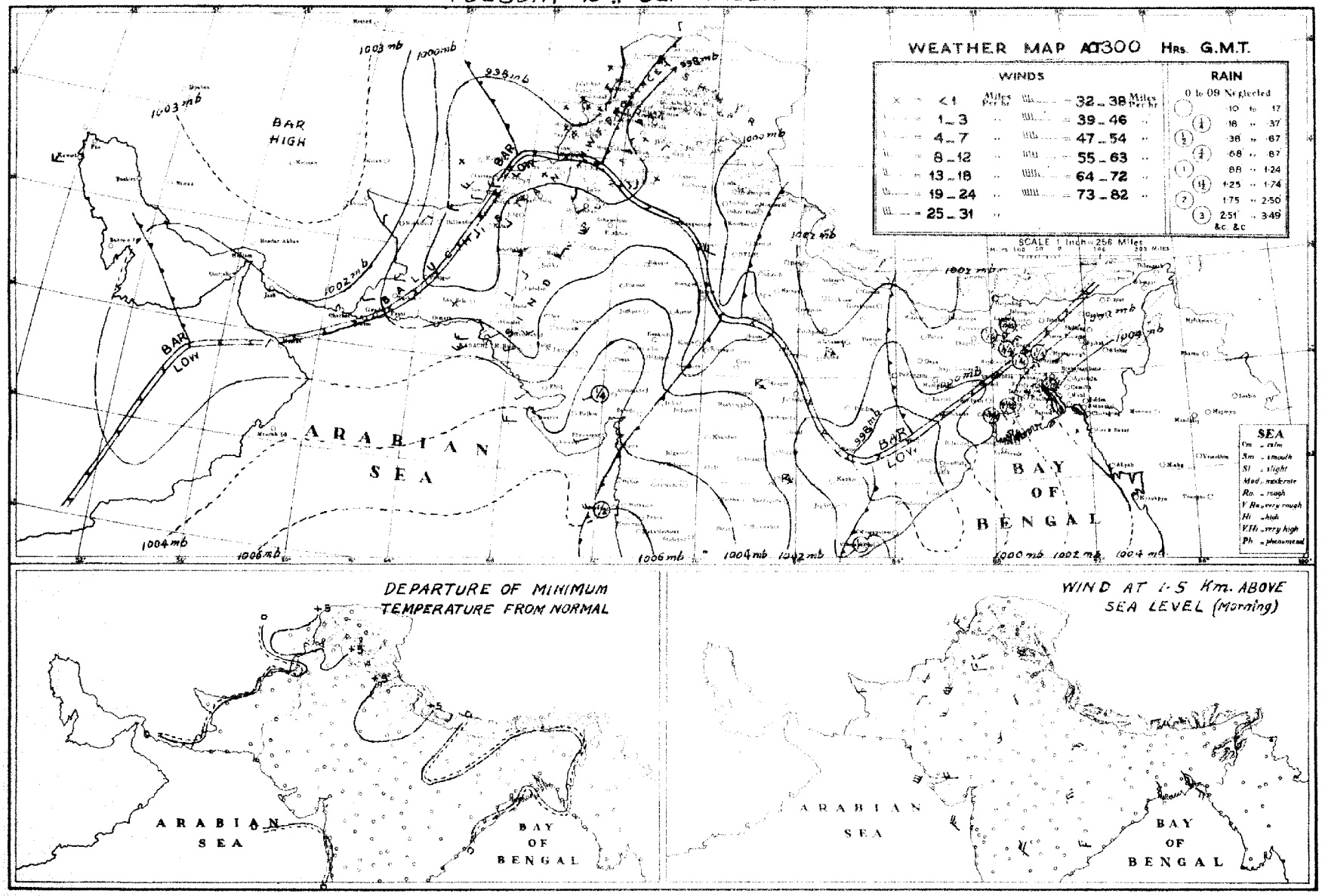




Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER REPORT

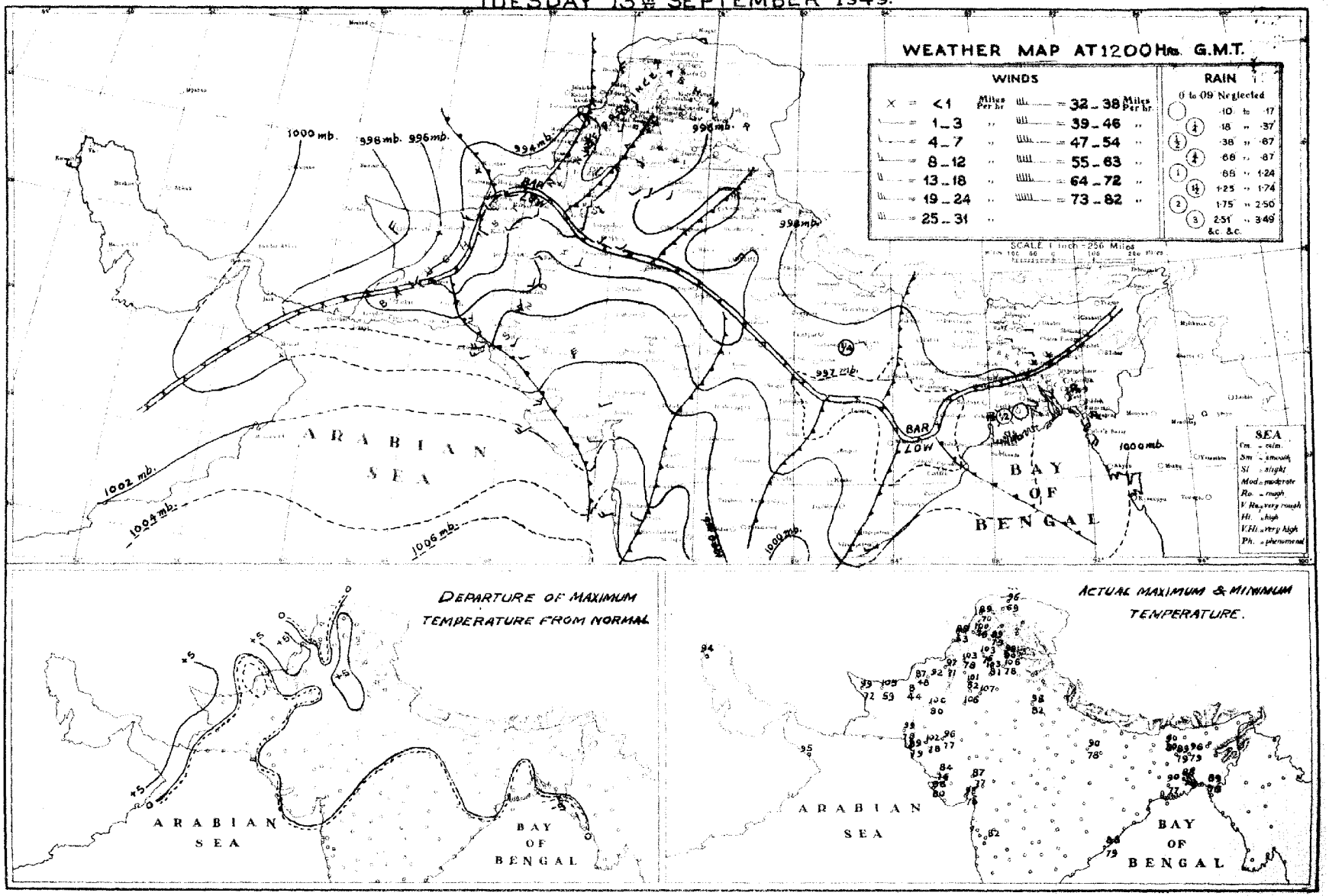
TUESDAY 13TH SEPTEMBER 1949



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

PAKISTAN DAILY WEATHER REPORT

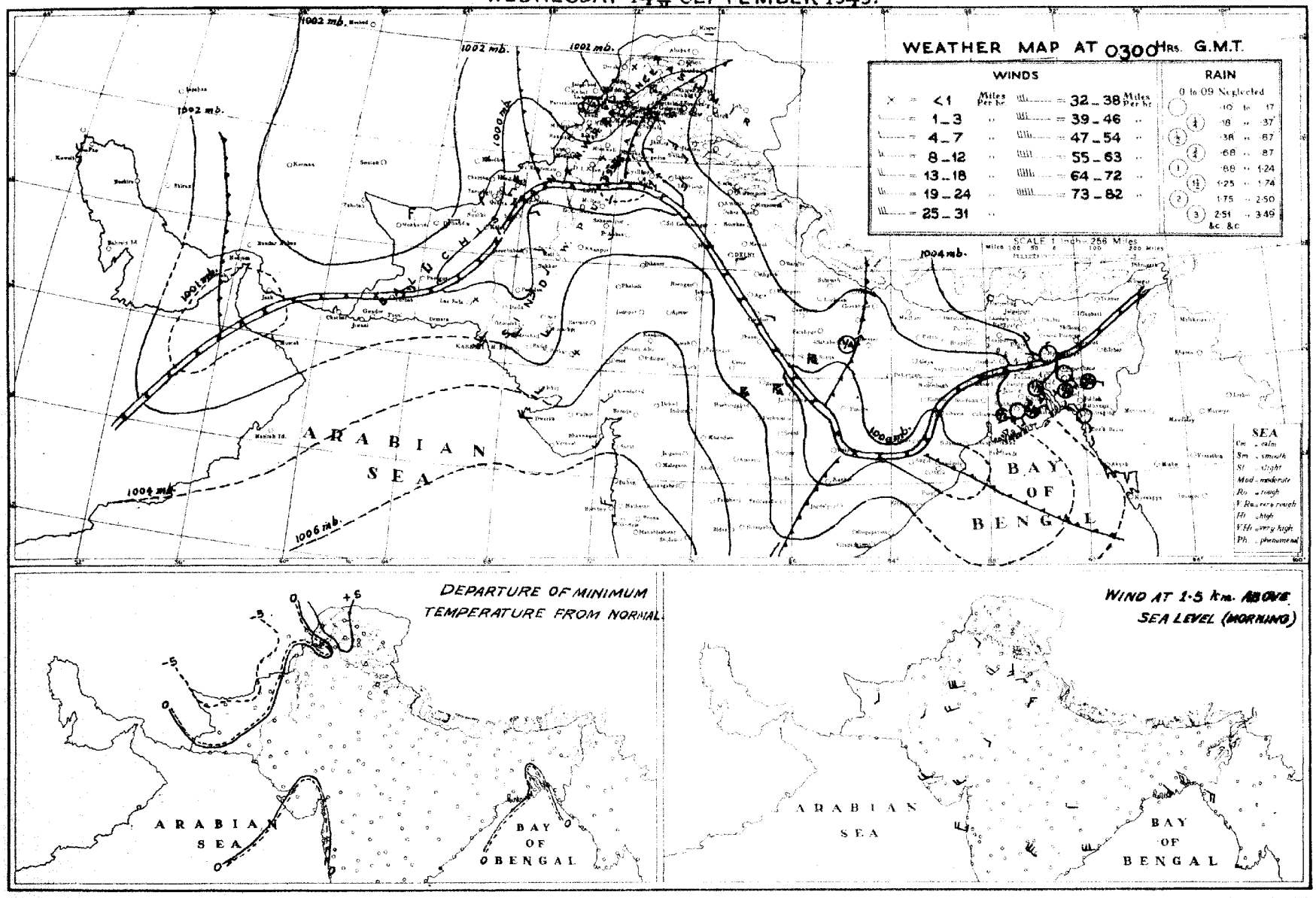
TUESDAY 13th SEPTEMBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

WEDNESDAY 14th SEPTEMBER 1949.



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

Regd. No..... .....

WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G. M. T. on Wednesday, the 21st September, 1949.

——o:O:o——

SUMMARY OF WEATHER.

Low pressure waves, moving northeastwards through the extreme north of the country caused scattered thunderstorms/showers in the northwest Punjab and Kashmir, practically throughout the week and in the upper North-West Frontier Province on the 1st and the last two days of the week. A depression centred near Bikaner on the 20th, caused incursion of monsoon air into the West Punjab and Sind. The depression moved westwards and was centred fifty miles southeast of Sukkur on the 21st.

Monsoon was active in East Pakistan from 15th to 17th and it remained weak for the rest of the week. On the 18th a low appeared in the east Central Bay, developed into a deep depression on the 19th, acquired the intensity of storm subsequently and crossed Circars coast on the 21st.

Some of the noteworthy amounts of rainfall during the week were as follows:—Dinajpur 3 on the 16th Faridpur 4" on the 17th; Jhelum and Rawalpindi 3" each on the 20th; Khanpur 2" and Bahawalpur 1 on the 21st.

Day temperatures were appreciably above normal in the West Punjab from 15th to 18th; in the North-West Frontier Province from 17th to 20th and in Sind on the 19th and 20th; they were appreciably to markedly above normal in East Pakistan on the 20th and 21st.

2. EAST PAKISTAN:—Rainfall has been nearly general in the province on the 15th and 16th and local on the 17th. A few falls were recorded in the Northern sub-division on the 18th, in the Deltaic sub-division on the 20th and in the Eastern sub-division on the 21st.

KASHMIR:—Data not available.

WEST PUNJAB:—A few showers were recorded in the northwest Punjab on the 15th, 18th and 19th and local on the 20th and 21st. The southwest Punjab recorded local showers on the 20th and 21st.

NORTH-WEST FRONTIER PROVINCE:—Scattered thunderstorms/showers occurred in the upper North-West Frontier Province on the 15th, 20th and 21st.

BALUCHISTAN:—Weather remained dry.

SIND:—Local rain fell on the 21st.

JUNAGADH:—Data not available.

3. The week's rainfall was 540% in excess in the southwest Punjab 50% in Sind and 20% in the northwest Punjab It was normal in the Deltaic and Northern sub-divisions of East Pakistan; deficient in the Eastern sub-division of East Pakistan and 100% in defect elsewhere.

Rainfall for the period from 1st June 1949 to date was 34% and 38% in excess in the Northern sub-division of East Pakistan and Sind respectively. It was within 19% of the normal in the Eastern sub-division of East Pakistan, the northwest Punjab and north Baluchistan; while it was 21% to 62% in defect elsewhere.

4. The table overleaf summarises the rainfall statistics for the 11 sub-divisions of Pakistan for the week and period from 1st June 1949 to date.

KARACHI-11.
The 21st September, 1949.

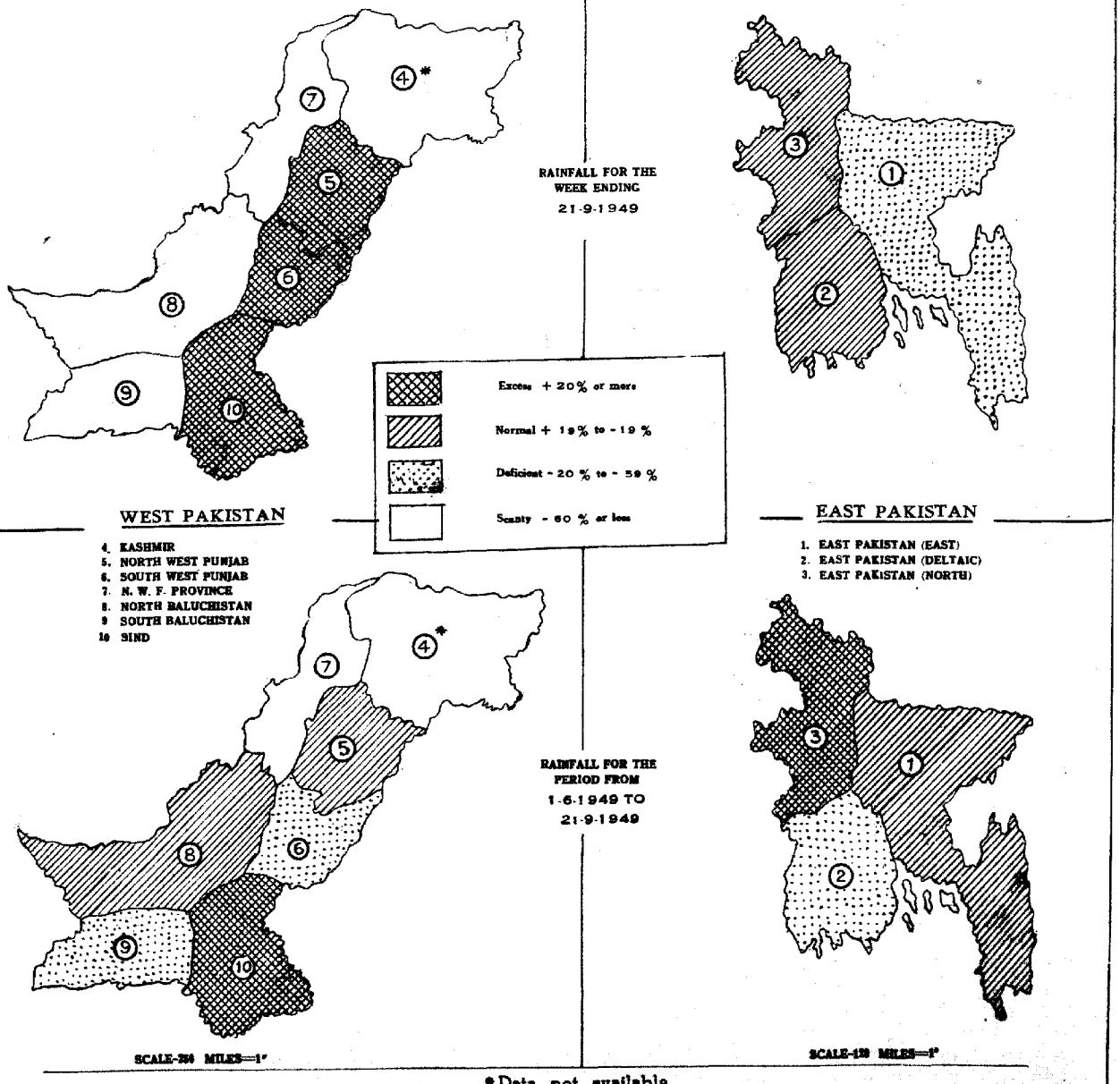
MOHAMMAD SHABBAR,
for Director, Meteorological Services.

WEEKLY WEATHER REPORT

Division	Rainfall for week ending on 21st September 1949.			Rainfall for period from 1-6-49 to 21st September 1949.			
	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)	1.2	2.8	−1.6	66.0	62.5	+ 3.5	+ 6
2. East Pakistan (Deltaic)	2.3	2.1	+ 0.2	36.2	45.9	−10.0	−21
3. East Pakistan (North)	2.6	2.9	−0.3	59 6	44.3	+ 15.3	+34
4. Kashmir †	....	....	....	....	....	....	...
5. North West Punjab	0.6	0.5	0	13.9	15.7	−1.8	−12
6. South West Punjab	1.0	0.1	+ 0.8	3.5	5.2	−1.8	−34
7. N. W. F. P.	0	0.2	−0.2	2.7	7.1	−4.4	−62
8. North Baluchistan	0	0	0	2.2	2.7	−0.5	−18
9. South Baluchistan	0	0	0	0.5	0.9	−0.4	−44
10. Sind	0.1	0.1	+ 0.1	7.4	5.3	+ 2.1	+38
11. Junagadh †	...	....	....	...	....		....

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

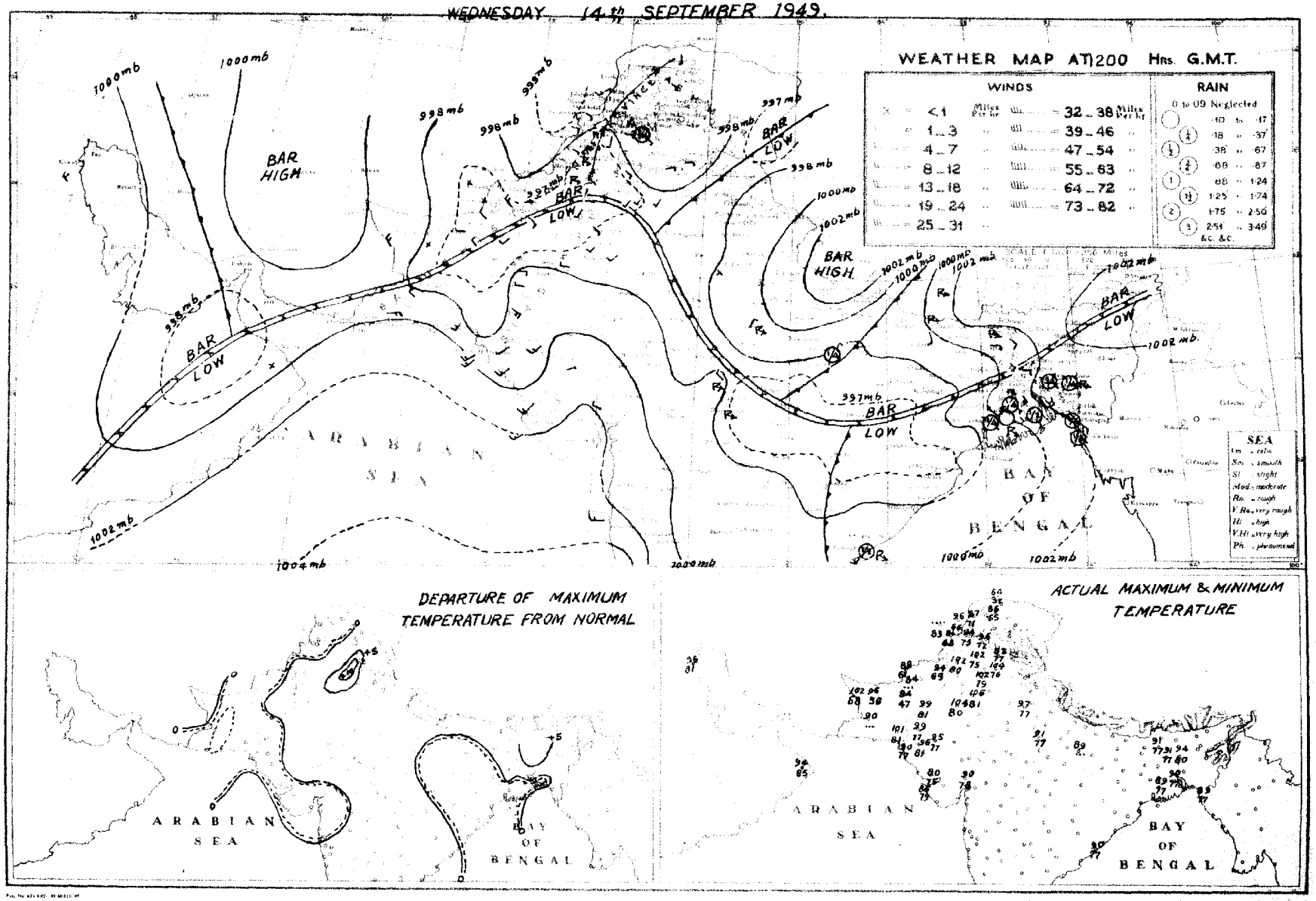
† Data not available.



* Data not available.

PAKISTAN DAILY WEATHER REPORT

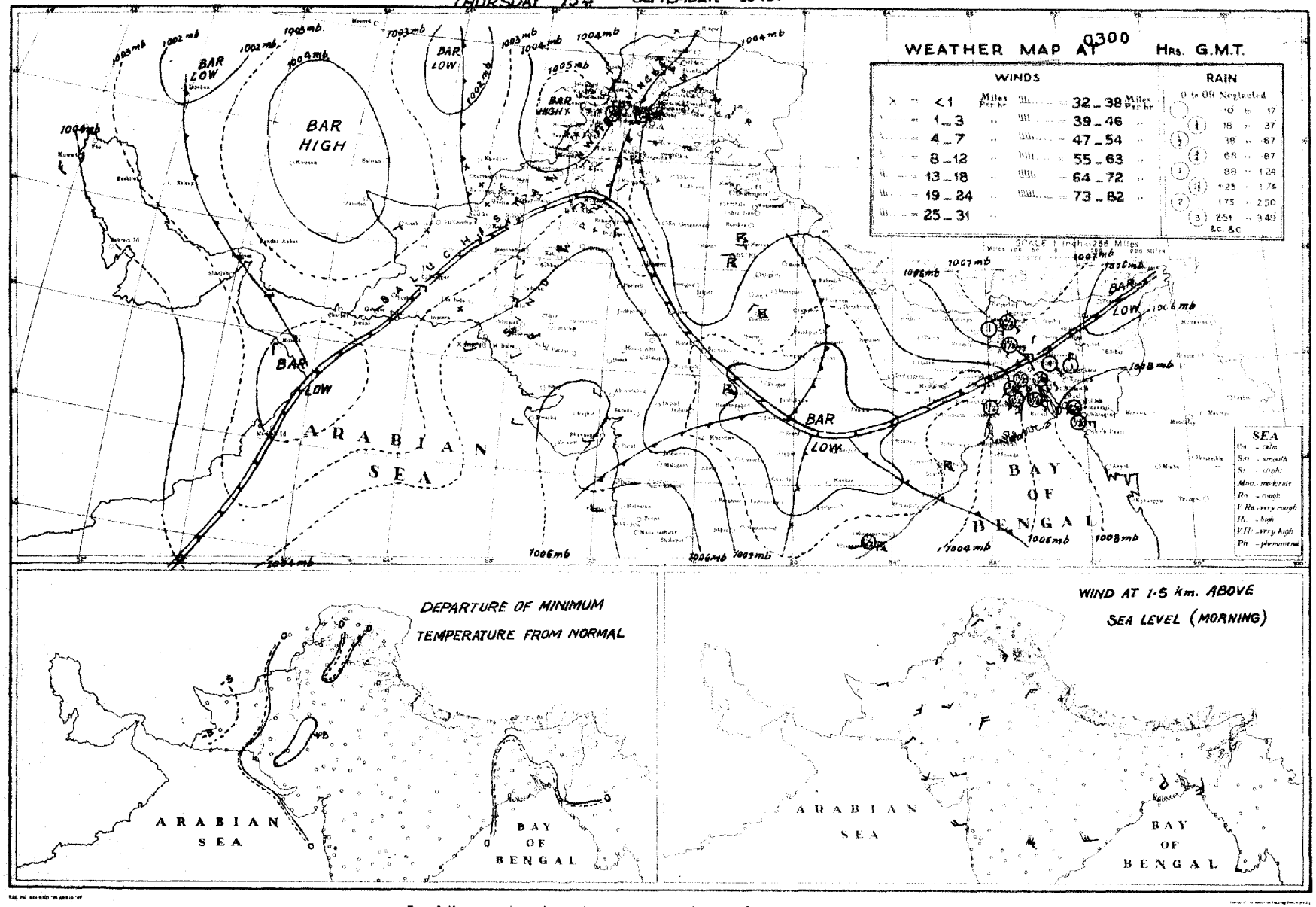
WEDNESDAY 14th SEPTEMBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

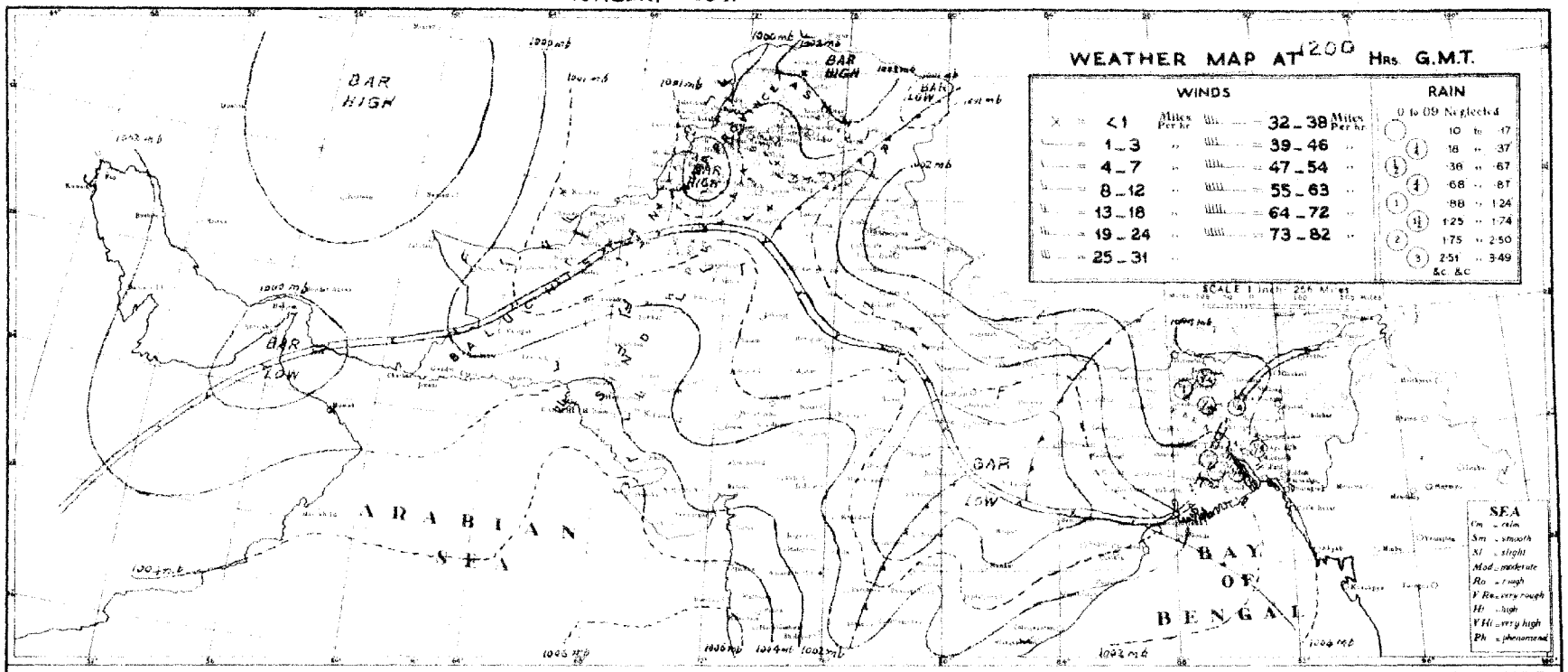
THURSDAY 15th SEPTEMBER 1949.

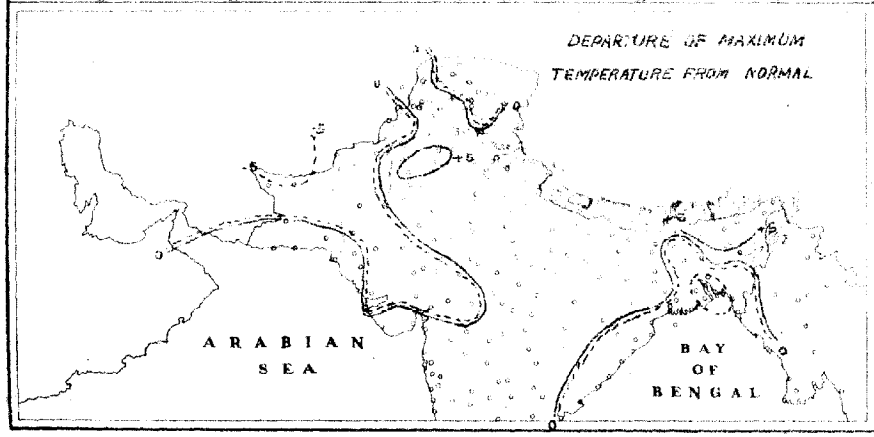


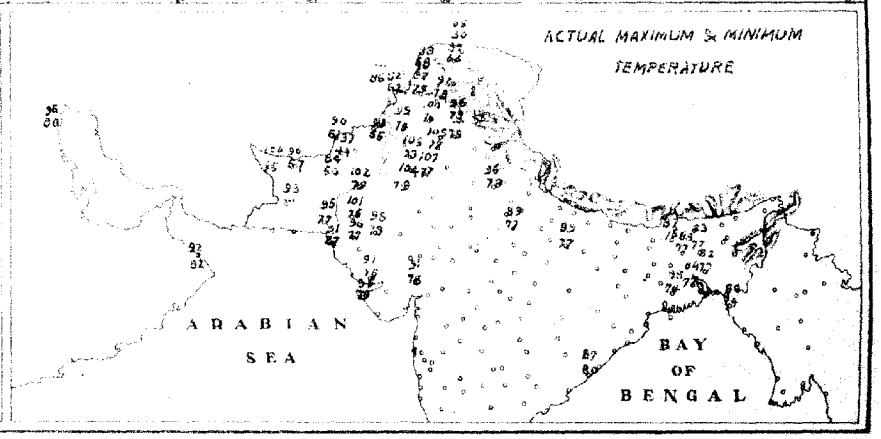
Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER REPORT

THURSDAY 15TH SEPTEMBER 1949.



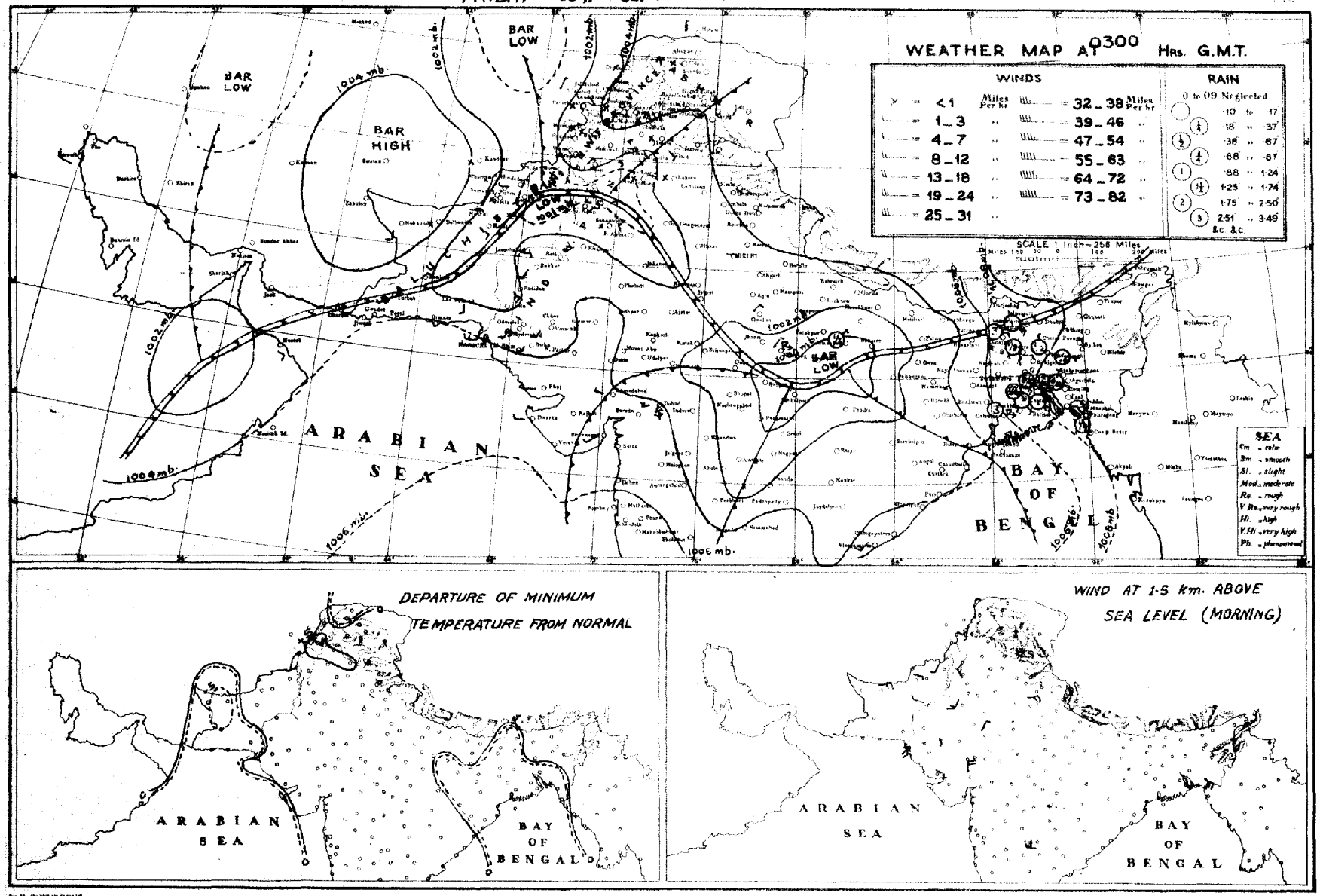




Rainfall amounts indicated in the above chart refer to past 5 hours.

PAKISTAN DAILY WEATHER REPORT

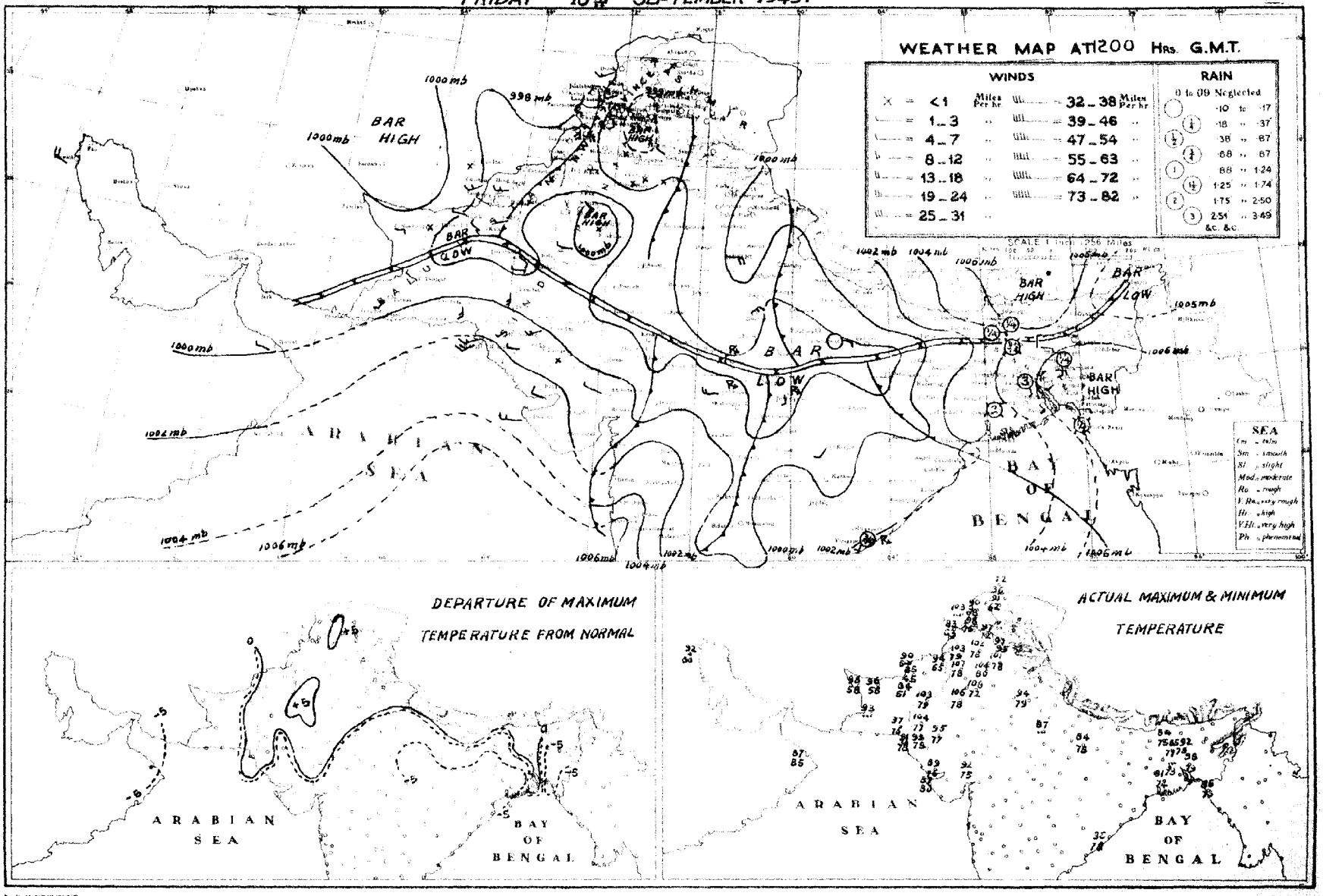
FRIDAY 16½ SEPTEMBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

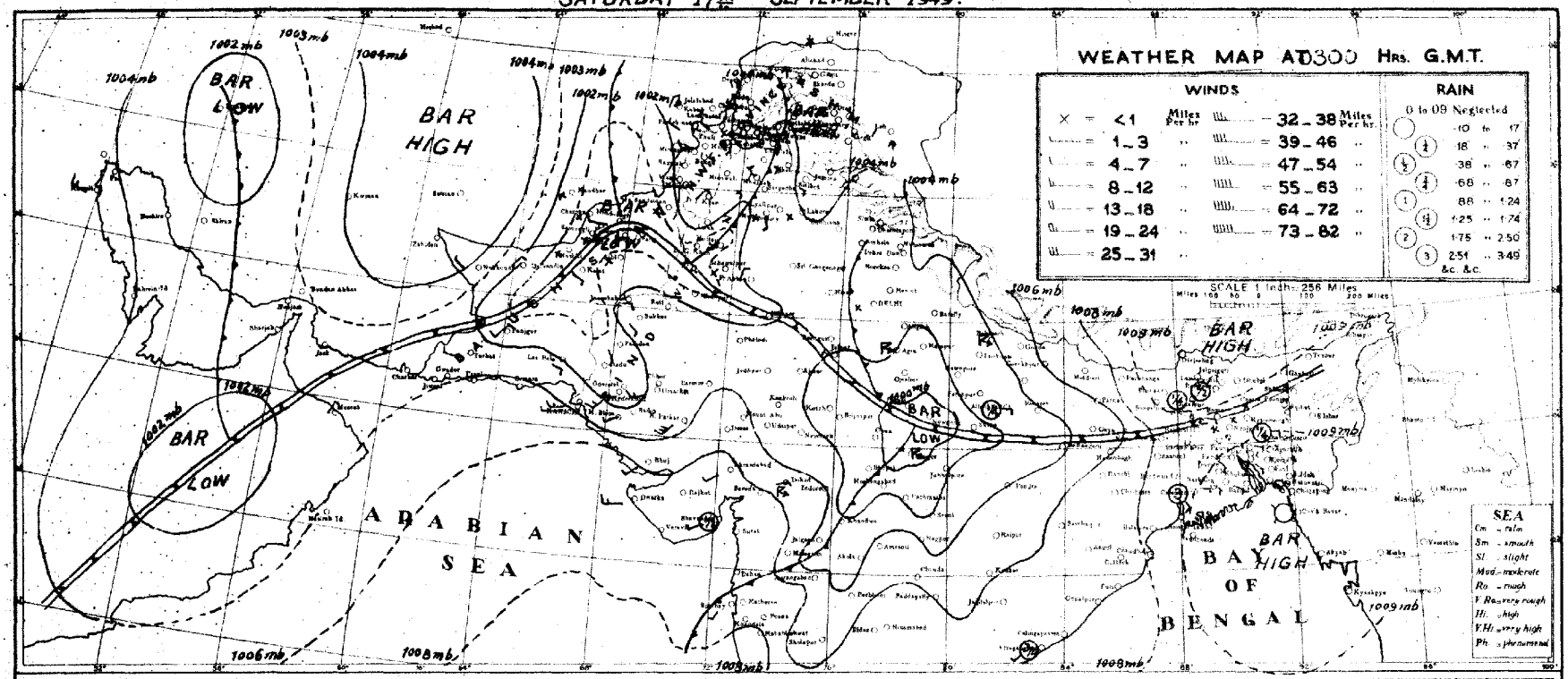
FRIDAY 16th SEPTEMBER 1949.

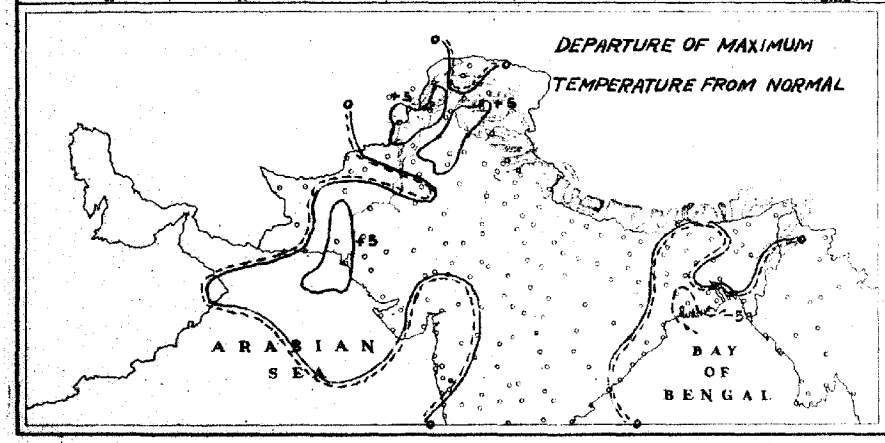


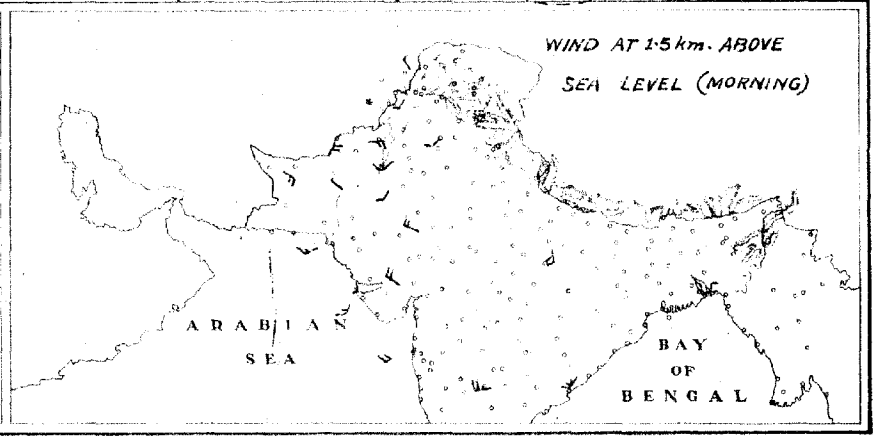
Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER REPORT

SATURDAY 17th SEPTEMBER 1949.



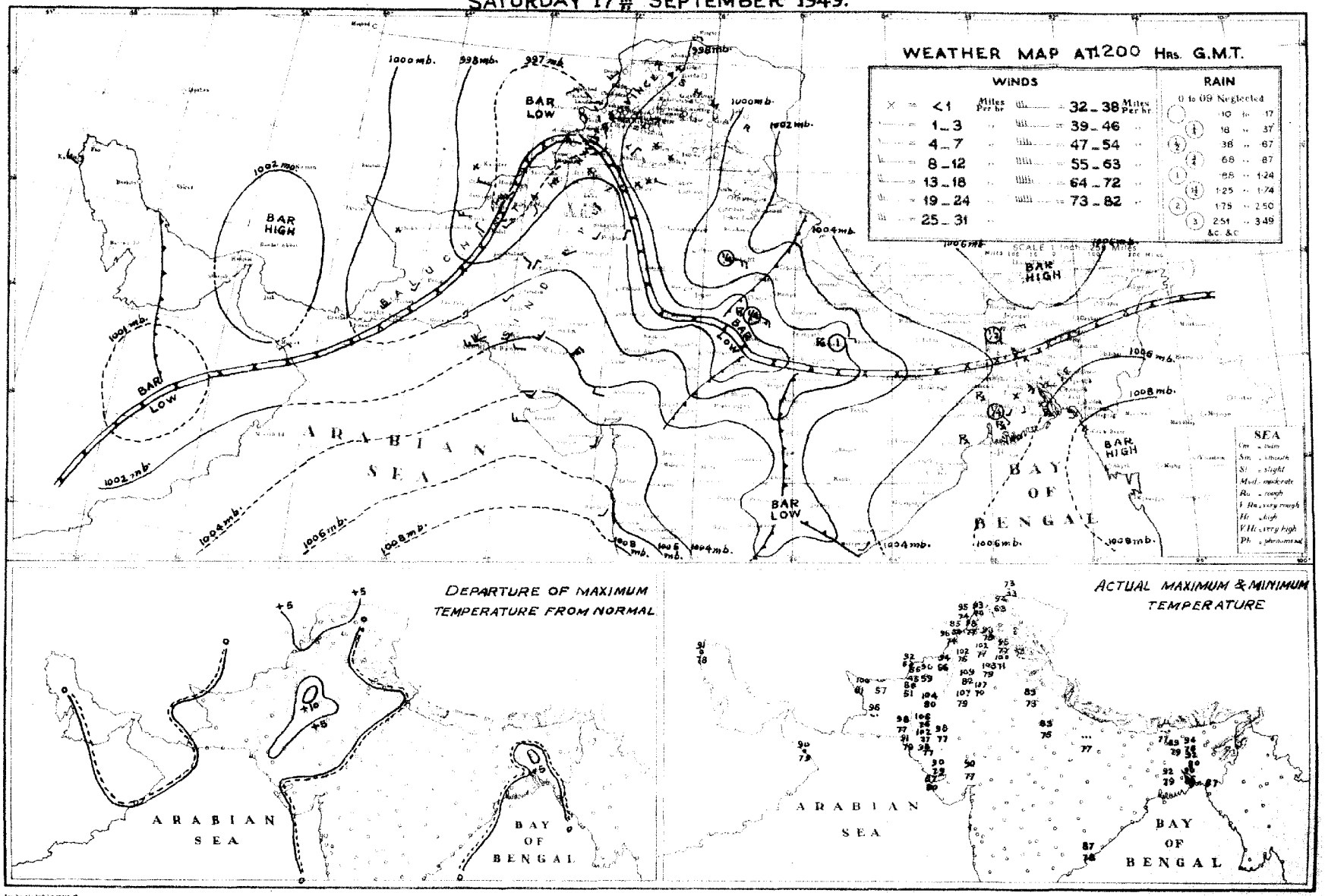




Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER REPORT

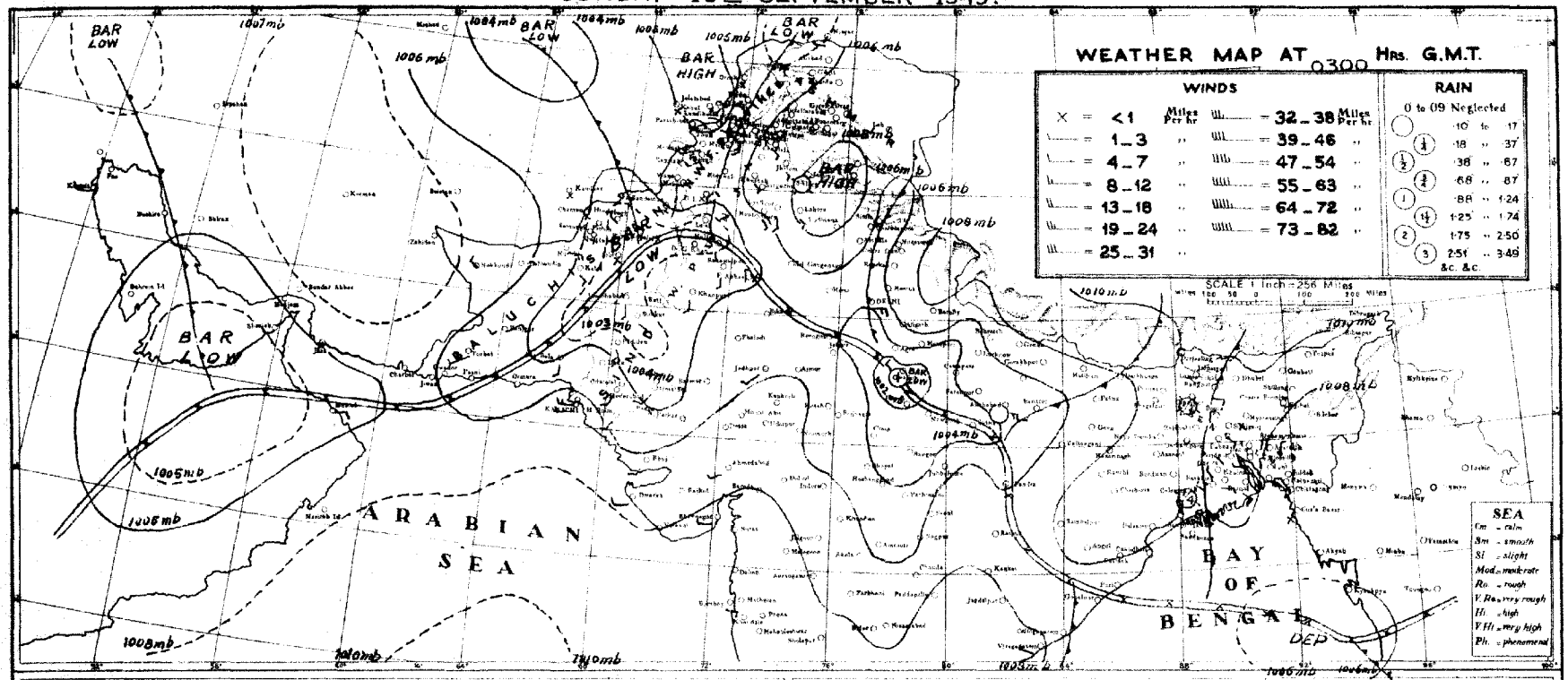
SATURDAY 17th SEPTEMBER 1949.

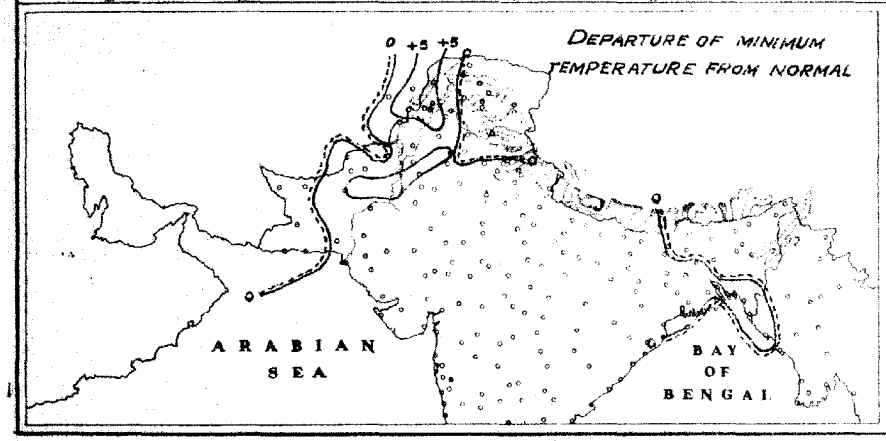


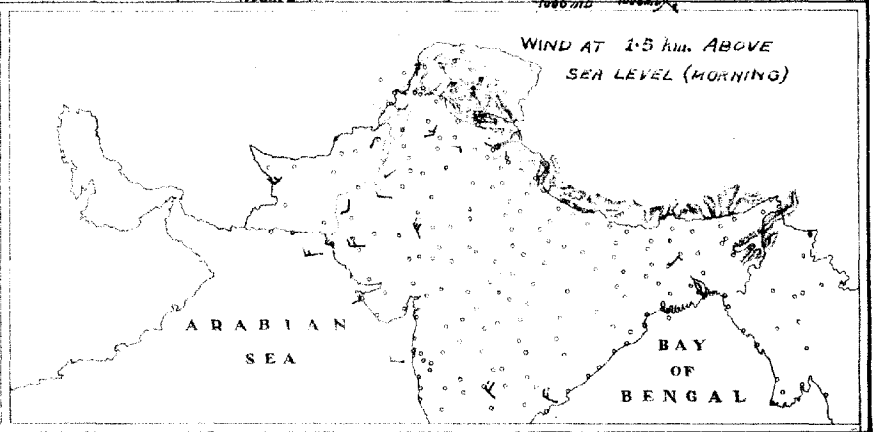
Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER REPORT

SUNDAY 18th SEPTEMBER 1949.



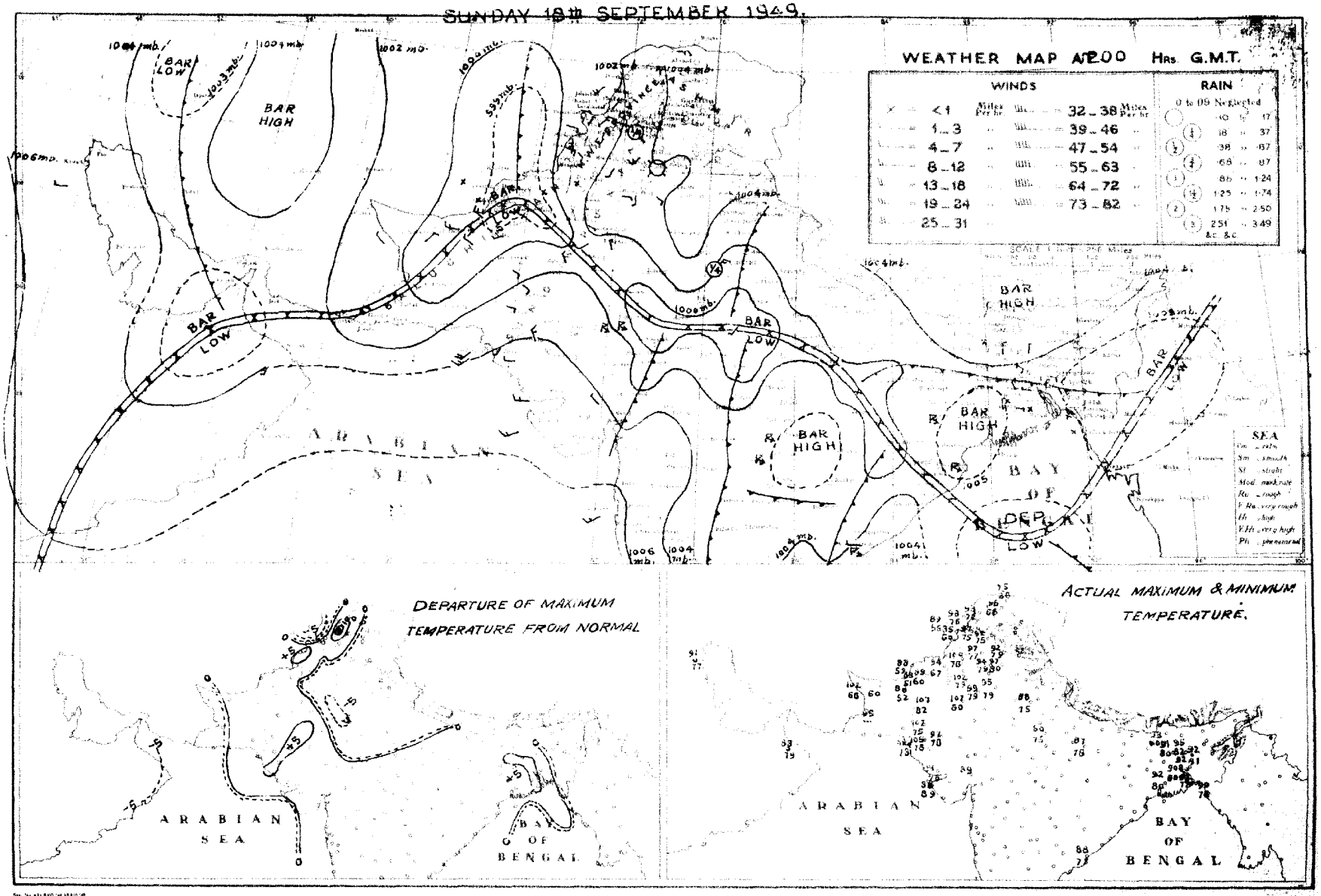




Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER REPORT

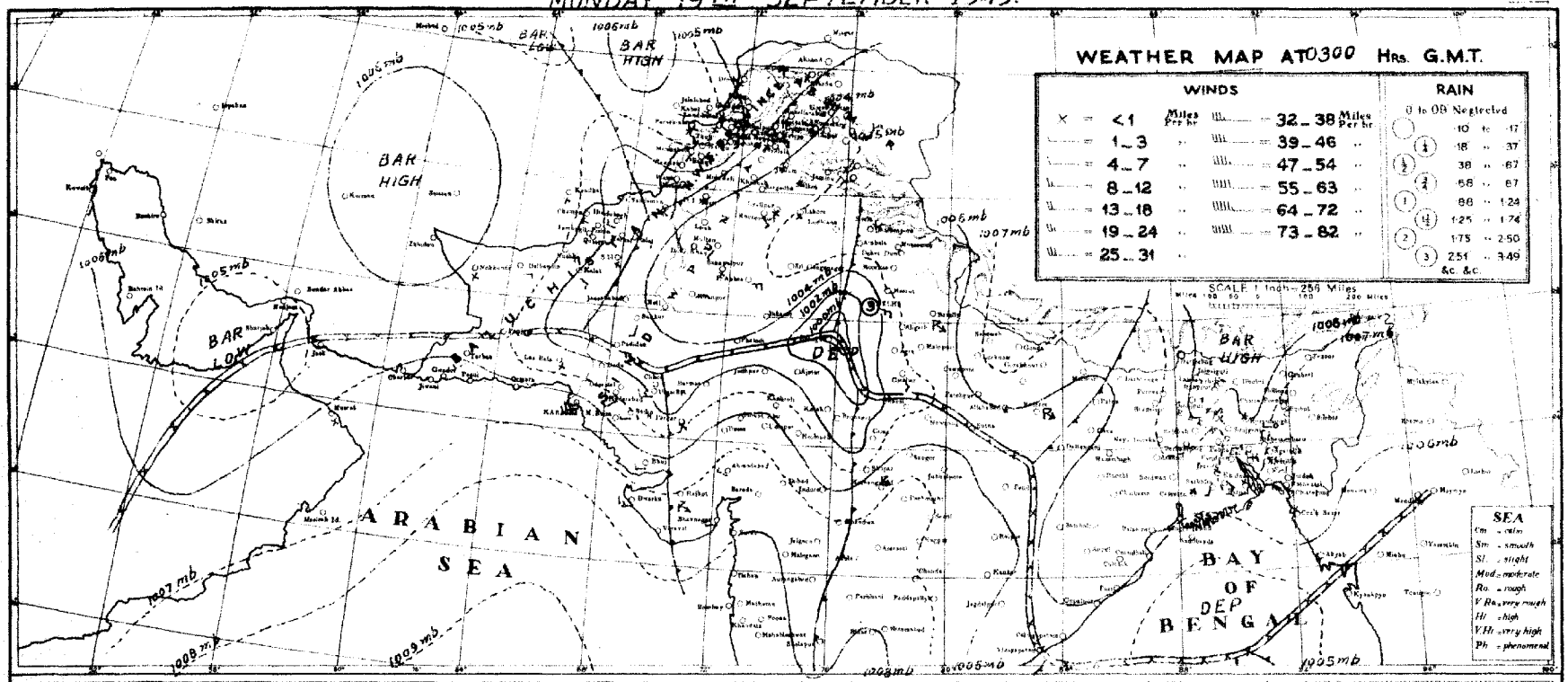
SUNDAY 18th SEPTEMBER 1949.

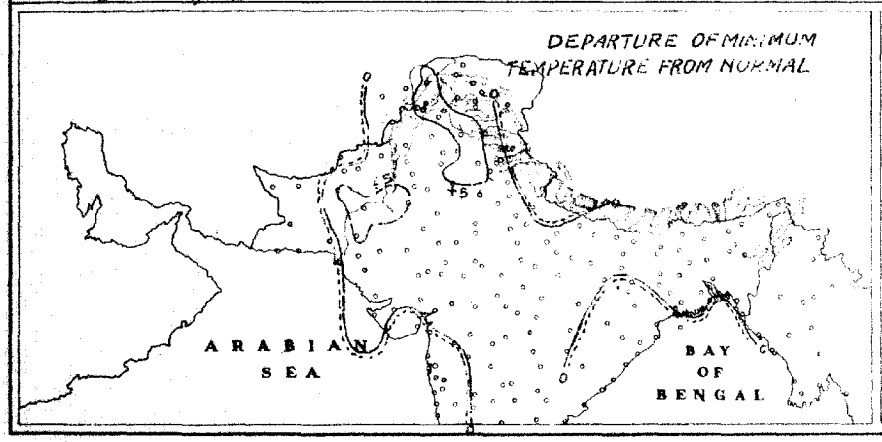


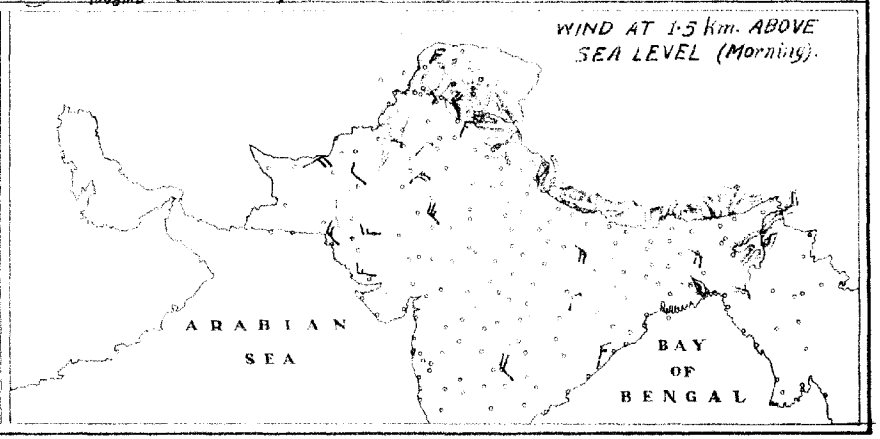
Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER REPORT

MONDAY, 19TH SEPTEMBER 1949.



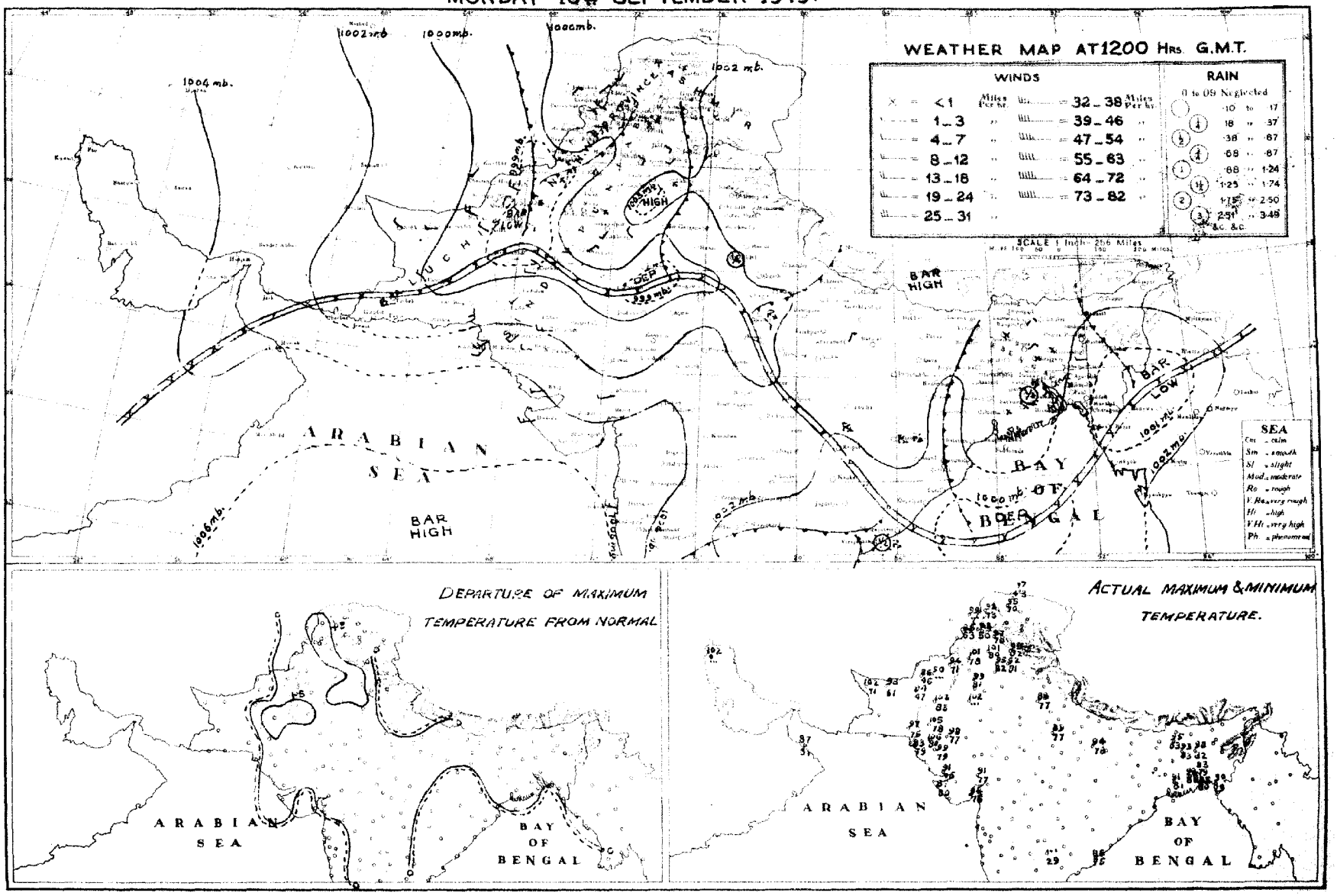




Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER REPORT

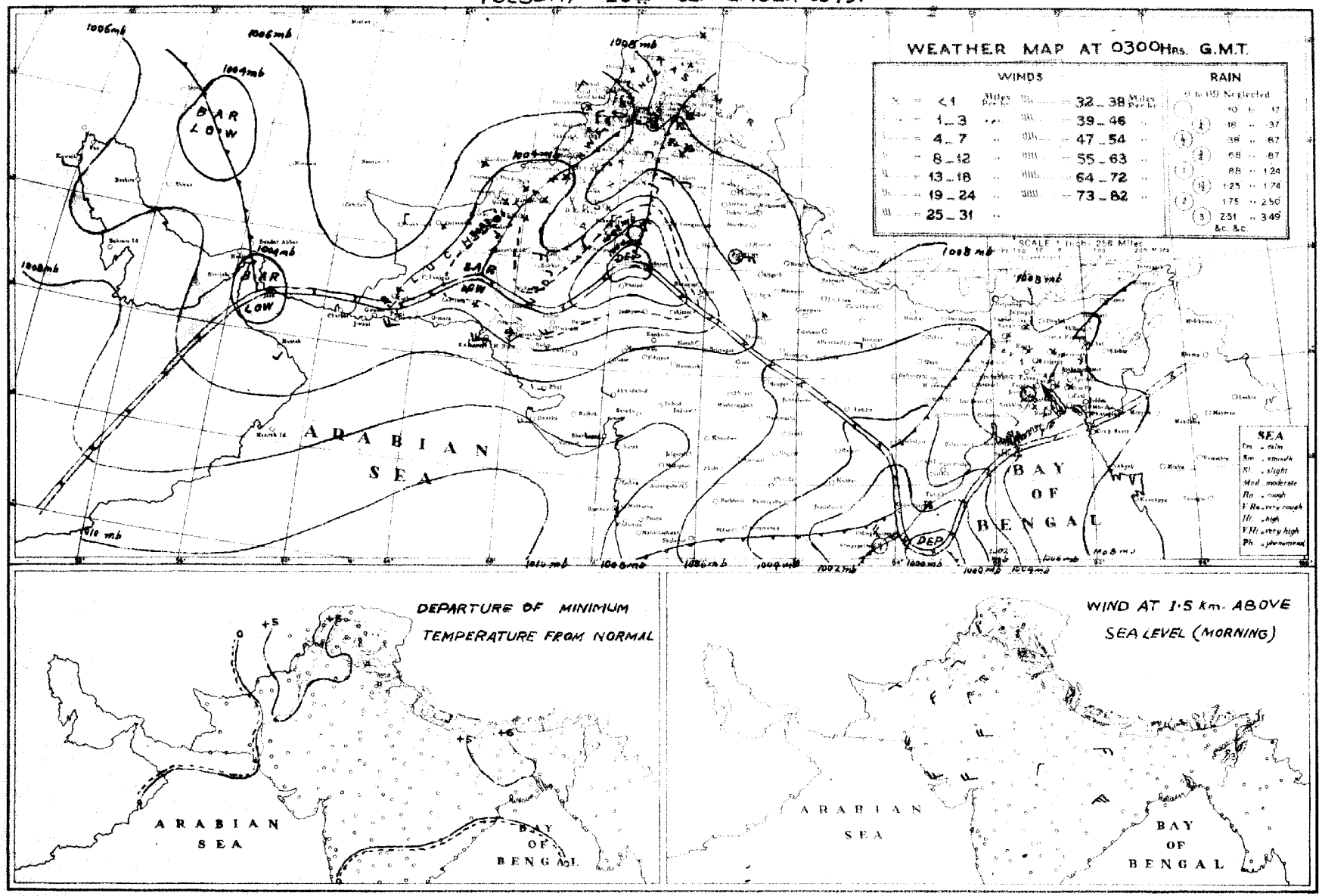
MONDAY 19th SEPTEMBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

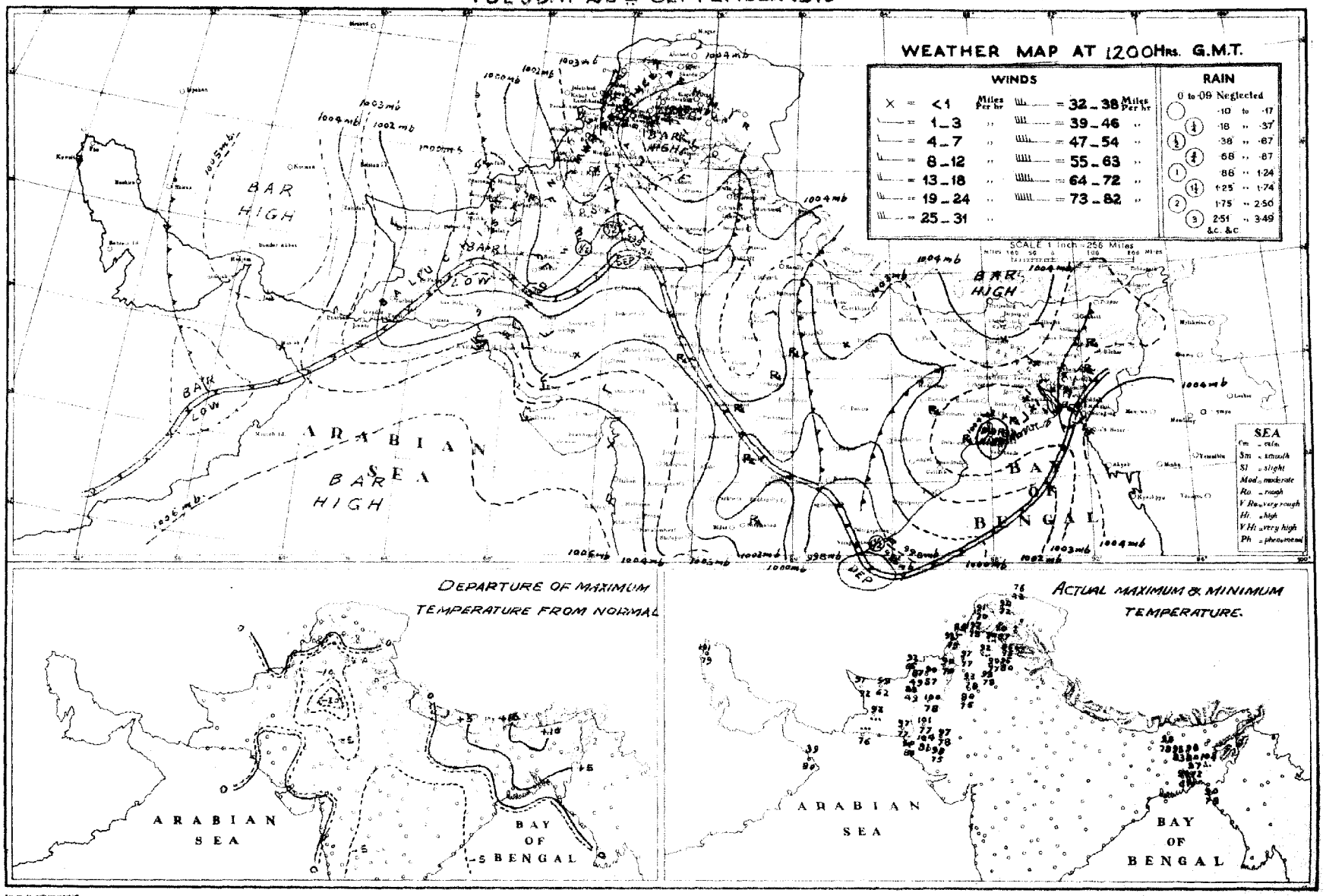
TUESDAY 20th SEPTEMBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

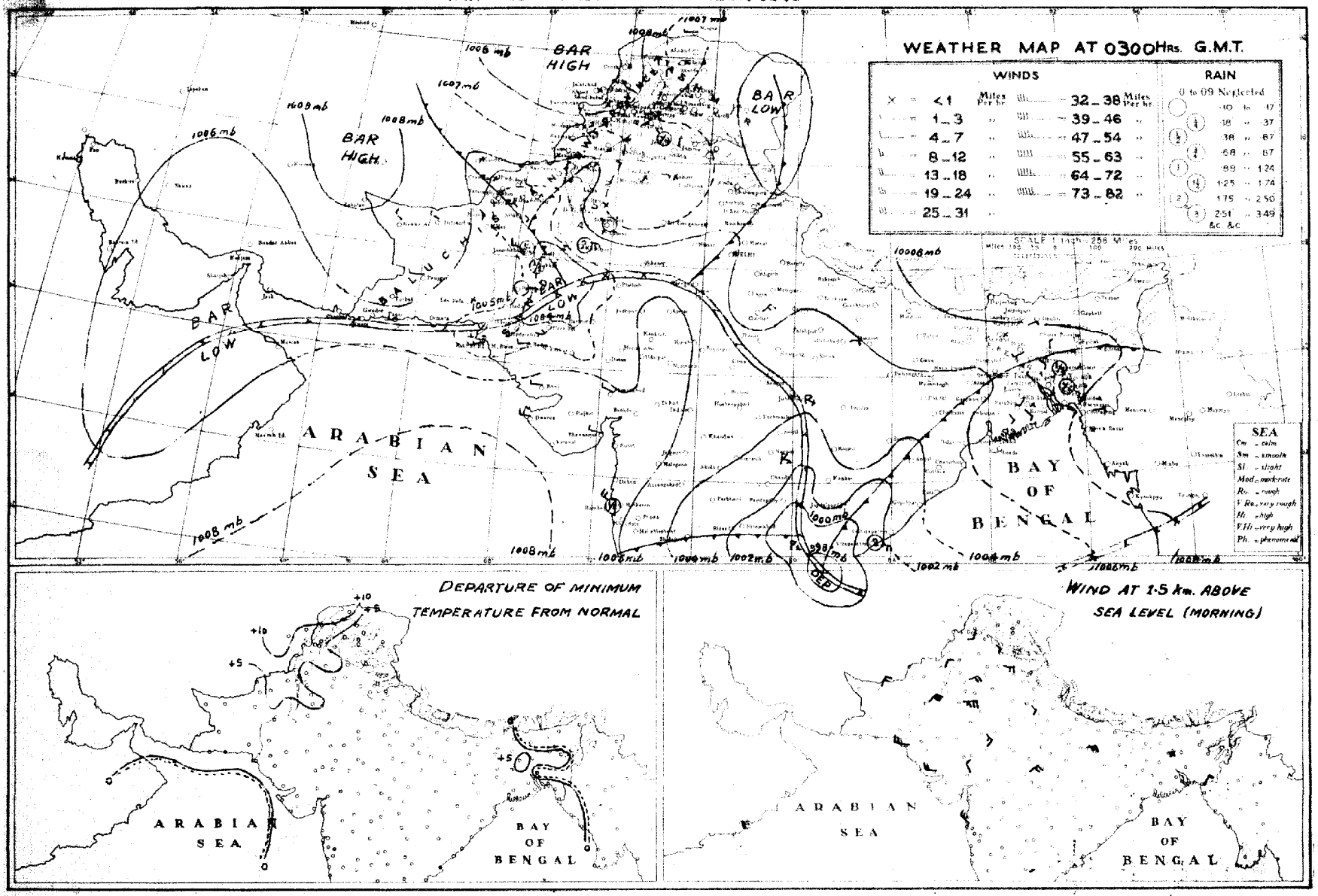
TUESDAY 20th SEPTEMBER 1949



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

PAKISTAN DAILY WEATHER REPORT

WEDNESDAY 21st SEPTEMBER 1949.



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

Regd. No.....

WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G. M. T. on Wednesday, the 28th September, 1949.

——o:O:o——

SUMMARY OF WEATHER.

The depression centred near Sukkur on the 21st moved westwards and became unimportant after causing local rain/thundershowers in Sind and scattered rain in south Baluchistan on the 22nd.

Low pressure waves moving northeastwards through the extreme north of West Pakistan caused scattered thunderstorms/showers in the upper North-West Frontier Province on the 26th and 28th and local in the northwest Punjab and the North-West Frontier Province on the 27th.

Development of unsettled conditions near Tennaserim coast caused weak monsoon over East Pakistan on the 22nd and 23rd. On the 24th the Intertropical front was pushed northwards across the Northern sub-division of East Pakistan bringing in fresh surge of monsoon which continued fairly active during the remaining days of the week.

Some of the noteworthy amounts of rainfall during the week were as follows:—Pad Idan 5" and Las Bela 1¼" on the 22nd; Cox's Bazar 3" on the 23rd; Chittagong 3" on the 24th; Sirajganj and Cox's Bazar 3" each on the 28th.

Day Temperatures were appreciably above normal over the country from 22nd to 25th outside Sind where they were appreciably below normal on the 22nd. They were appreciably above normal in West Pakistan outside Sind from 26th to 28th.

2. EAST PAKISTAN:—Rainfall was nearly general in the Northern sub-division from 26th to 28th and in the Eastern sub-division on the 28th. Local rainfall occurred in the Eastern sub-division from 25th to 27th and in the Deltaic sub-division from 26th to 28th. A few falls were also recorded in the Eastern sub-division from 22nd to 24th and in the Northern sub-division on the 25th.

KASHMIR:—Data not available.

WEST PUNJAB:—Weather remained dry except for local thunderstorms/showers in the northwest Punjab on the 27th.

NORTH-WEST FRONTIER PROVINCE:—Scattered thunderstorms/showers occurred in the upper North-West Frontier Province on the 26th and 28th and local on the 27th.

BALUCHISTAN:—Scattered rain occurred in south Baluchistan on the 22nd.

SIND:—Local rain/thundershowers occurred on the 22nd.

JUNAGADH:—Data not available.

3. The week's rainfall was 66% in excess in the Eastern sub-division, normal in the Northern sub-division and 78% in defect in the Deltaic sub-division of East Pakistan; while it was 100% in defect throughout West Pakistan except the North-West Frontier Province where it was 67% in defect.

Rainfall for the period from 1st June 1949 to date was 31% and 38% in excess in the Northern sub-division of East Pakistan and Sind respectively. It was within 19% of the normal in the Eastern and Deltaic sub-divisions of East Pakistan the northwest Punjab and north Baluchistan; while it was 35% to 62% in defect elsewhere.

4. The table overleaf summarises the rainfall statistics for the 11 sub-divisions of Pakistan for the week and the period from 1st June 1949 to date.

KARACHI-11.
The 28th September, 1949.

MOHAMMAD SHABBAR,
for Director, Meteorological Services.

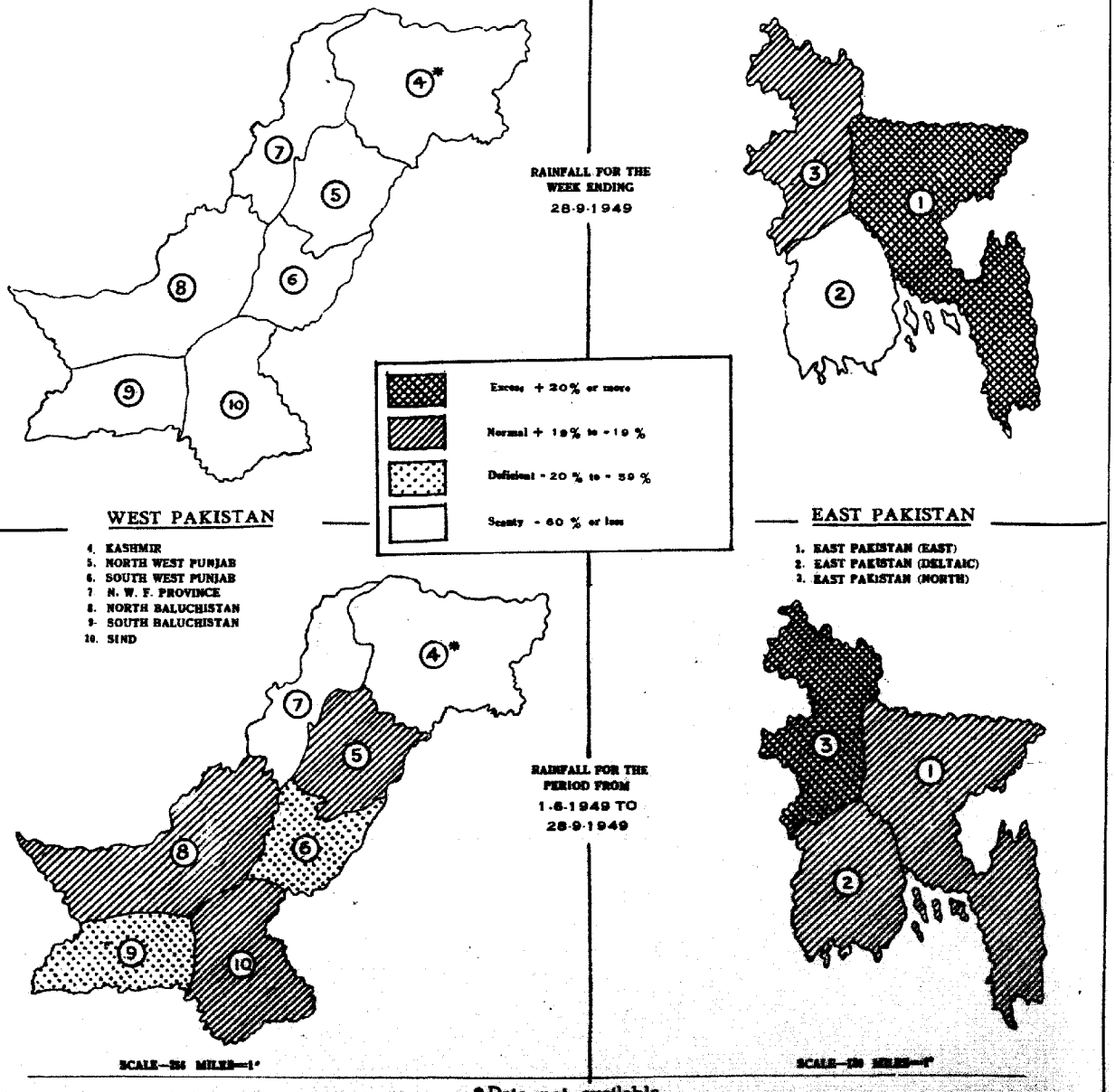
WEEKLY WEATHER REPORT

Division	Rainfall for week ending on 28th September 1949.			Rainfall for period from 1-6-49. to 28th September 1949.			
	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)	4.0	2.4	+ 1.6	70.0	64.9	+ 5.1	+ 8
2. East Pakistan (Deltaic)	0.5	2.0	−1.6	36.7	47.9	−11.3	− 2
3. East Pakistan (North)	2.1	2.6	−0.5	61.7	47.0	+ 14.7	+31
4. Kashmir †	....	....	....	....	....	....	...
5. North West Punjab	0	0.3	−0.3	13.9	16.0	−2.1	−13
6. South West Punjab	0	0.1	−0 1	3.5	5.3	−1.9	−35
7. N. W. F. P.	0.1	0.2	−0.1	2.7	7.2	−4.5	−62
8. North Baluchistan	0	0	0	2.2	2.8	−0.5	−19
9. South Baluchistan	0	0	0	0.5	1.0	−0.4	−45
10. Sind	0	0	0	7.4	5.4	+ 2.0	+38
11. Junagadh †	...	....	....	...	....	...	...

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

† Data not available

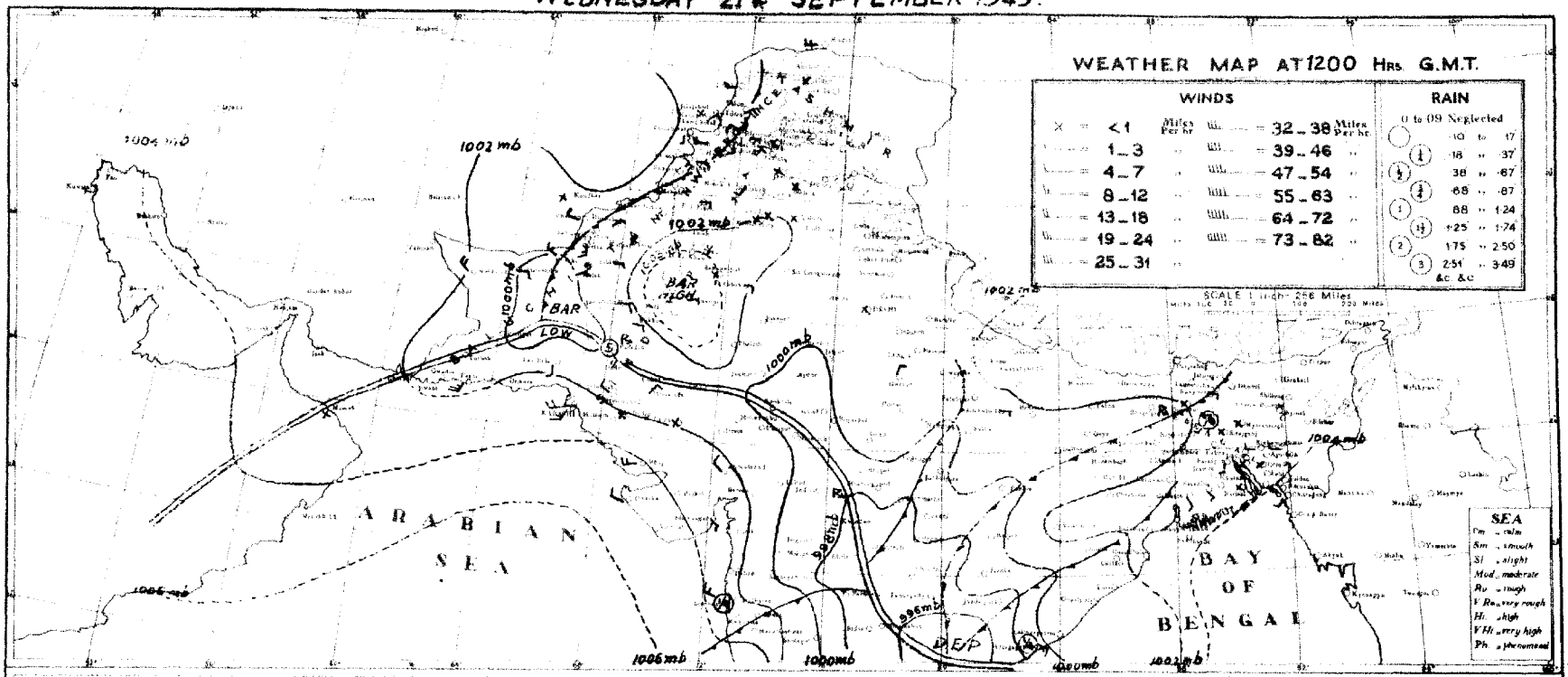
†† Rainfall of stations having no normals is not included.

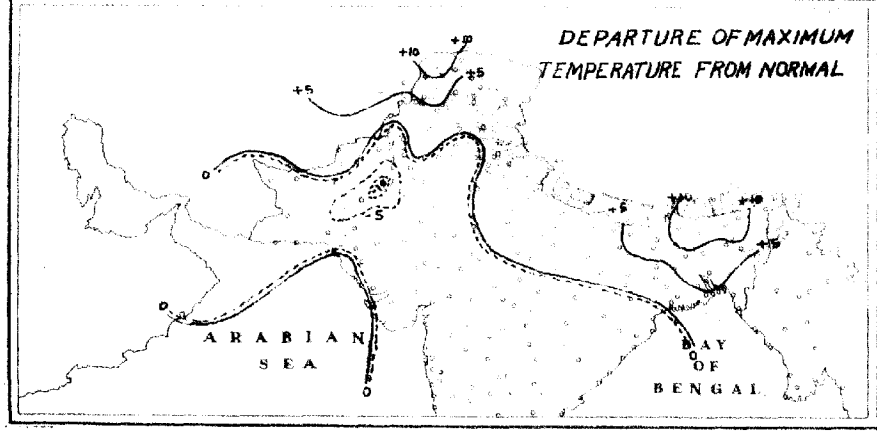


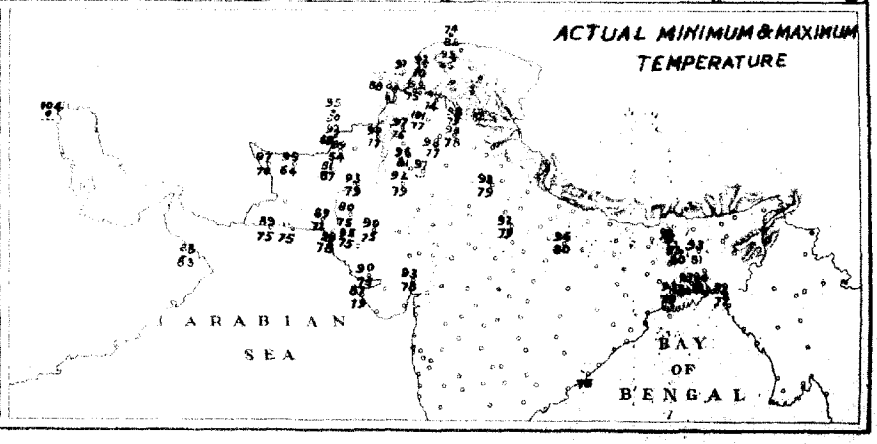
* Data not available.

PAKISTAN DAILY WEATHER REPORT

WEDNESDAY 21st SEPTEMBER 1949.



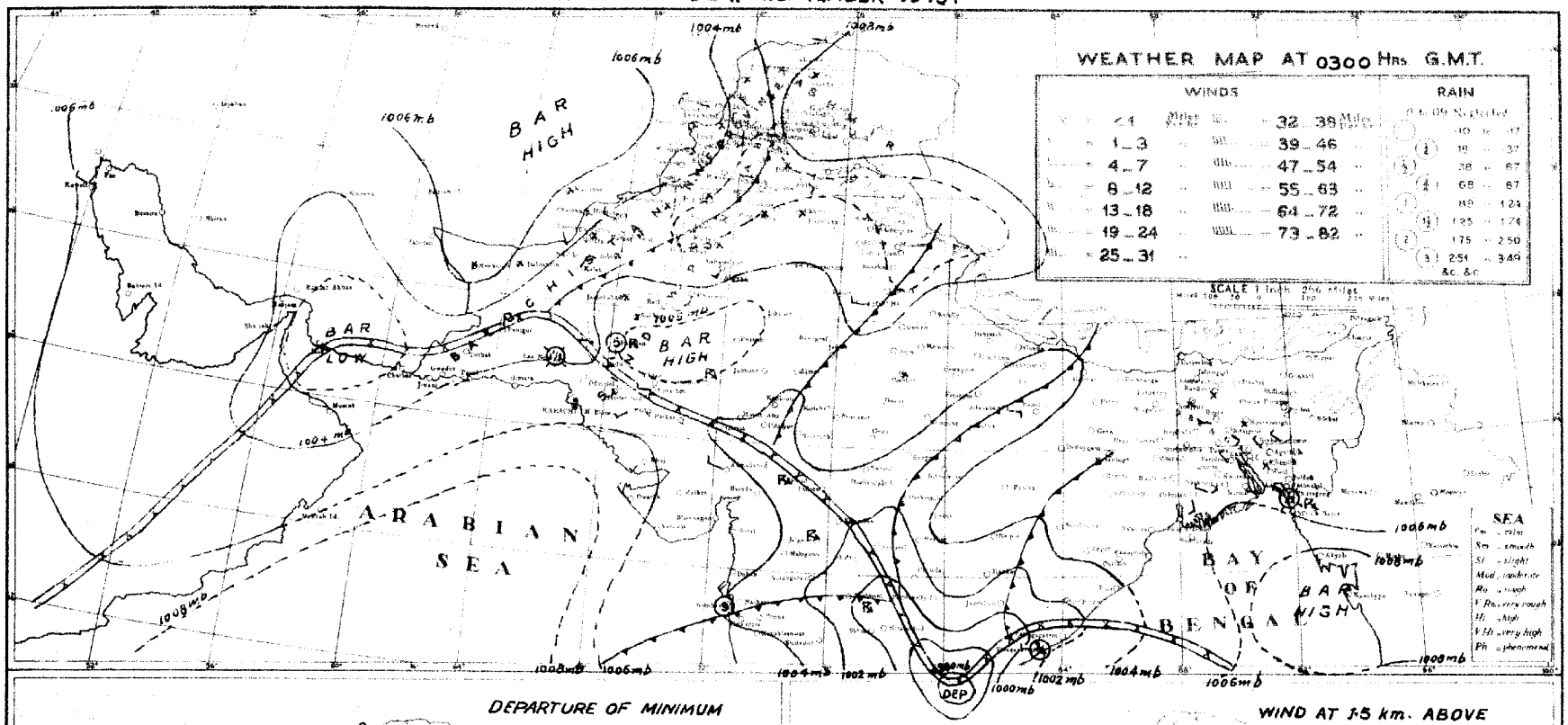


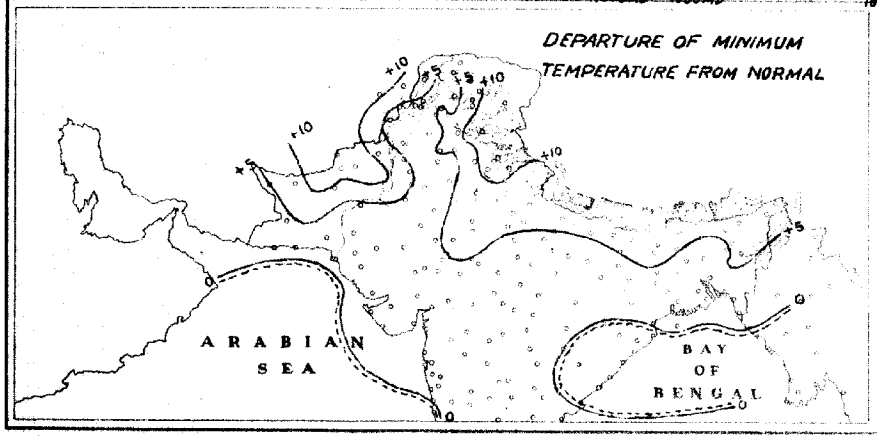


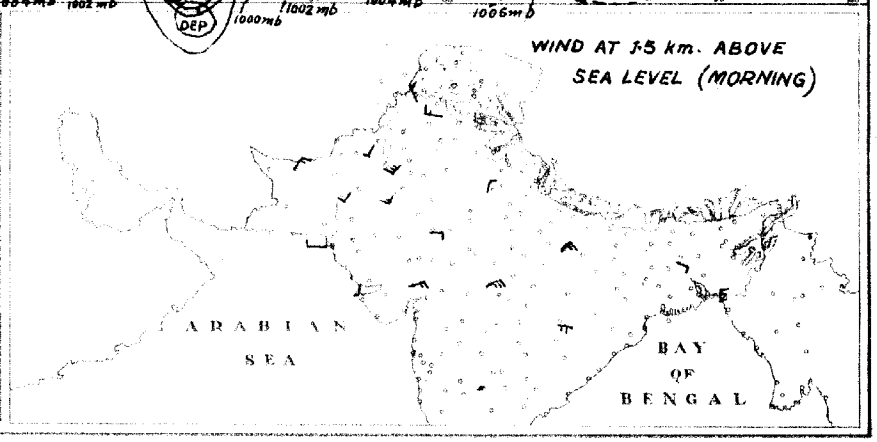
Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER REPORT

THURSDAY 22nd SEPTEMBER 1949.



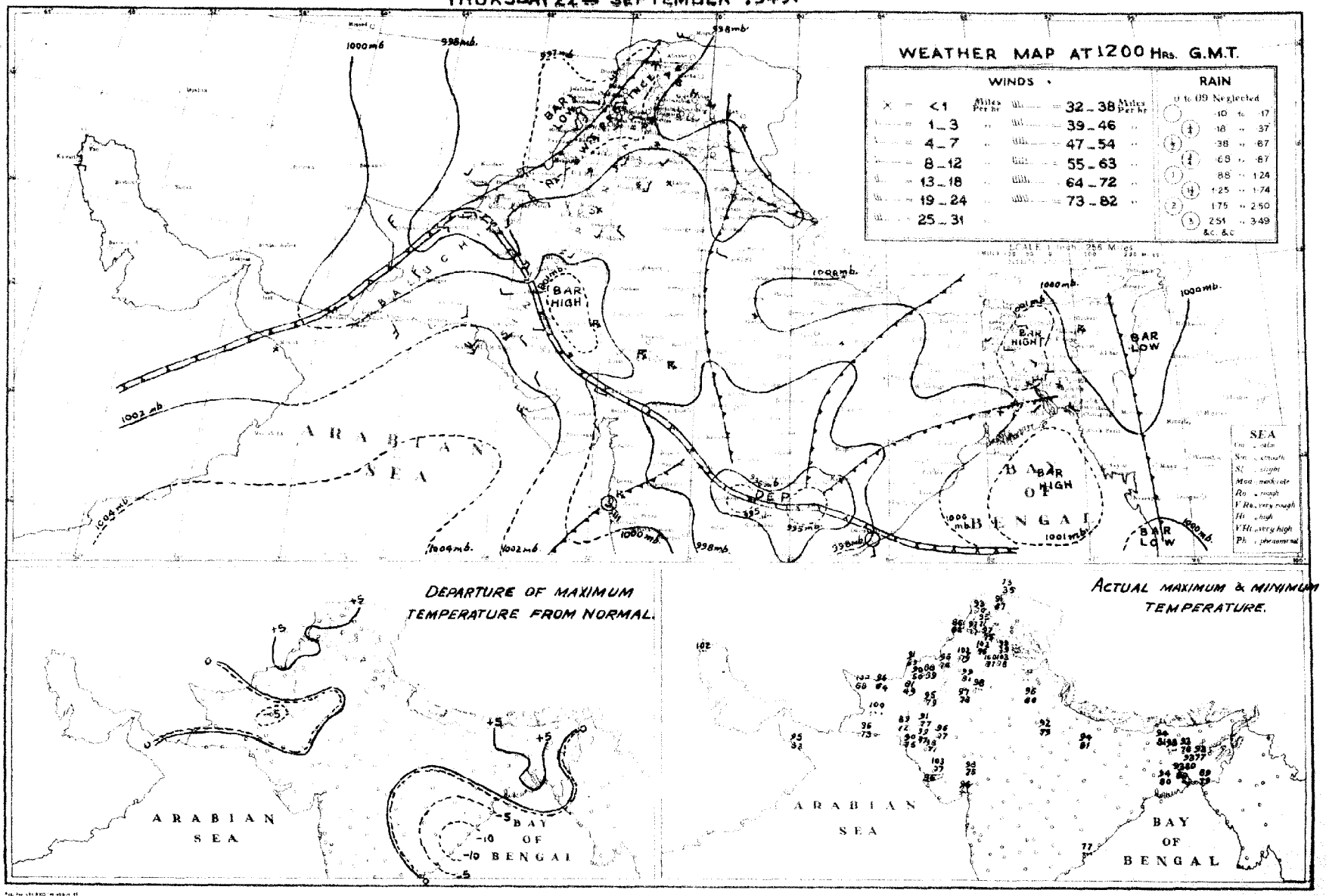




Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER REPORT

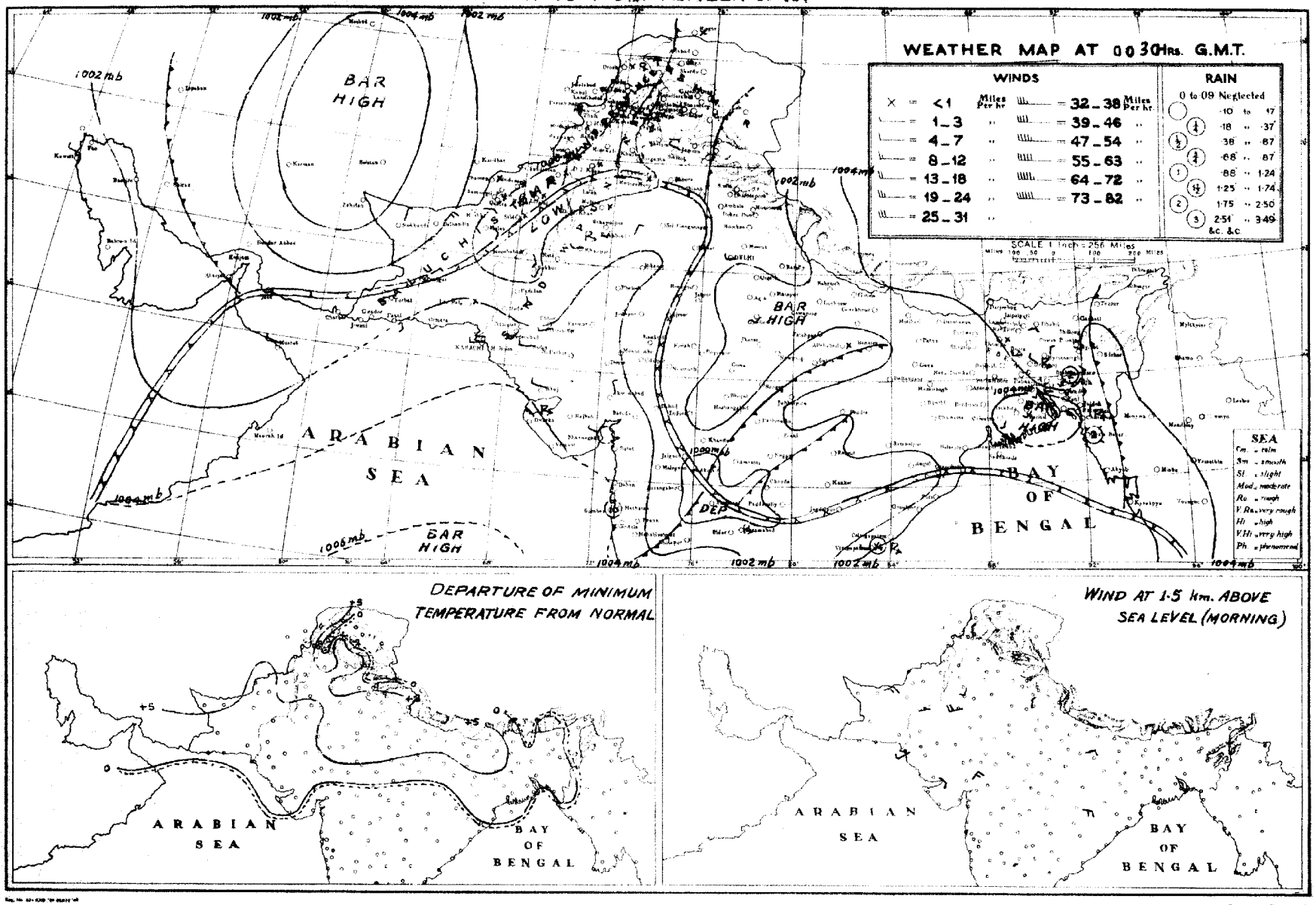
THURSDAY 22nd SEPTEMBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

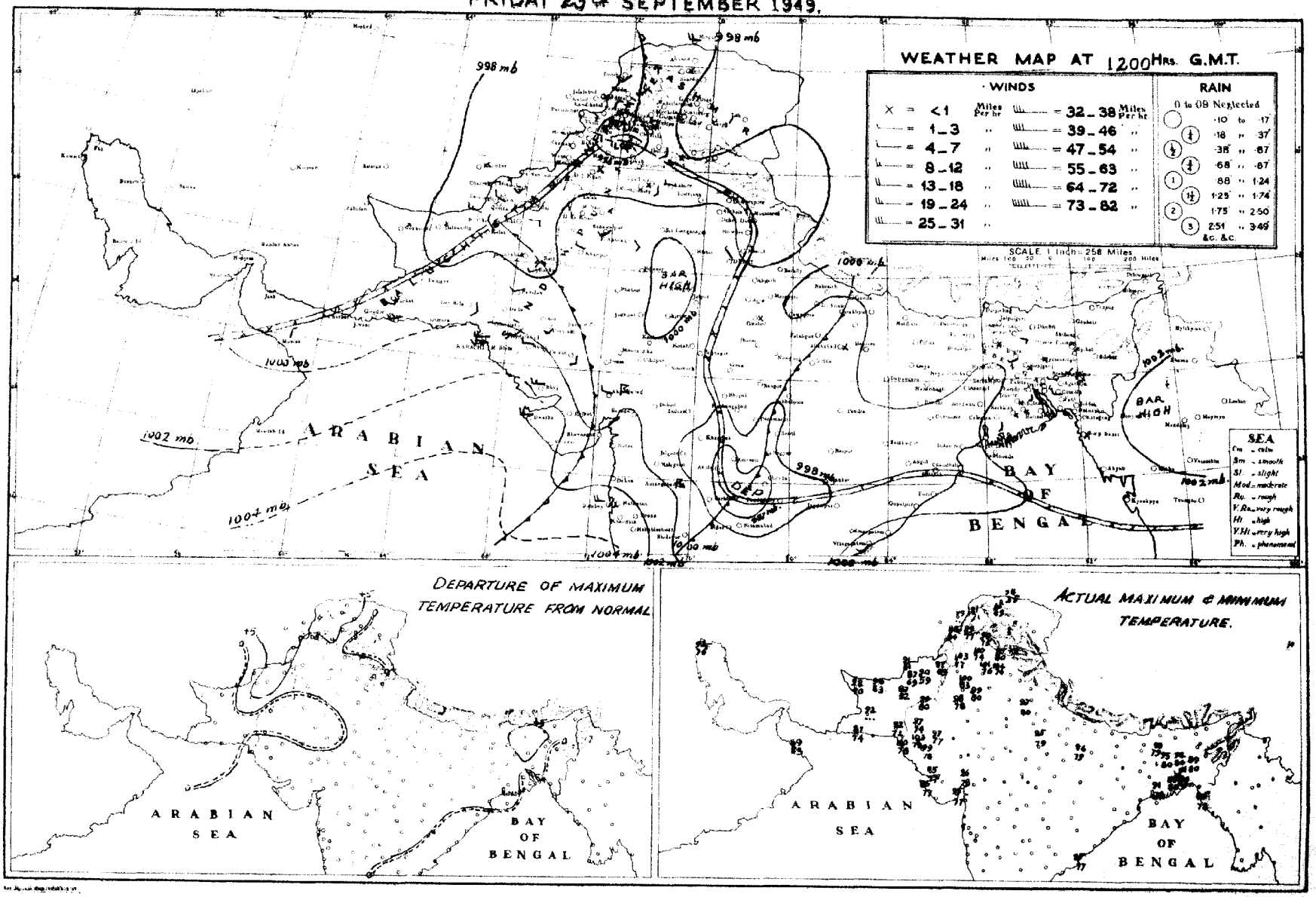
FRIDAY 23rd SEPTEMBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

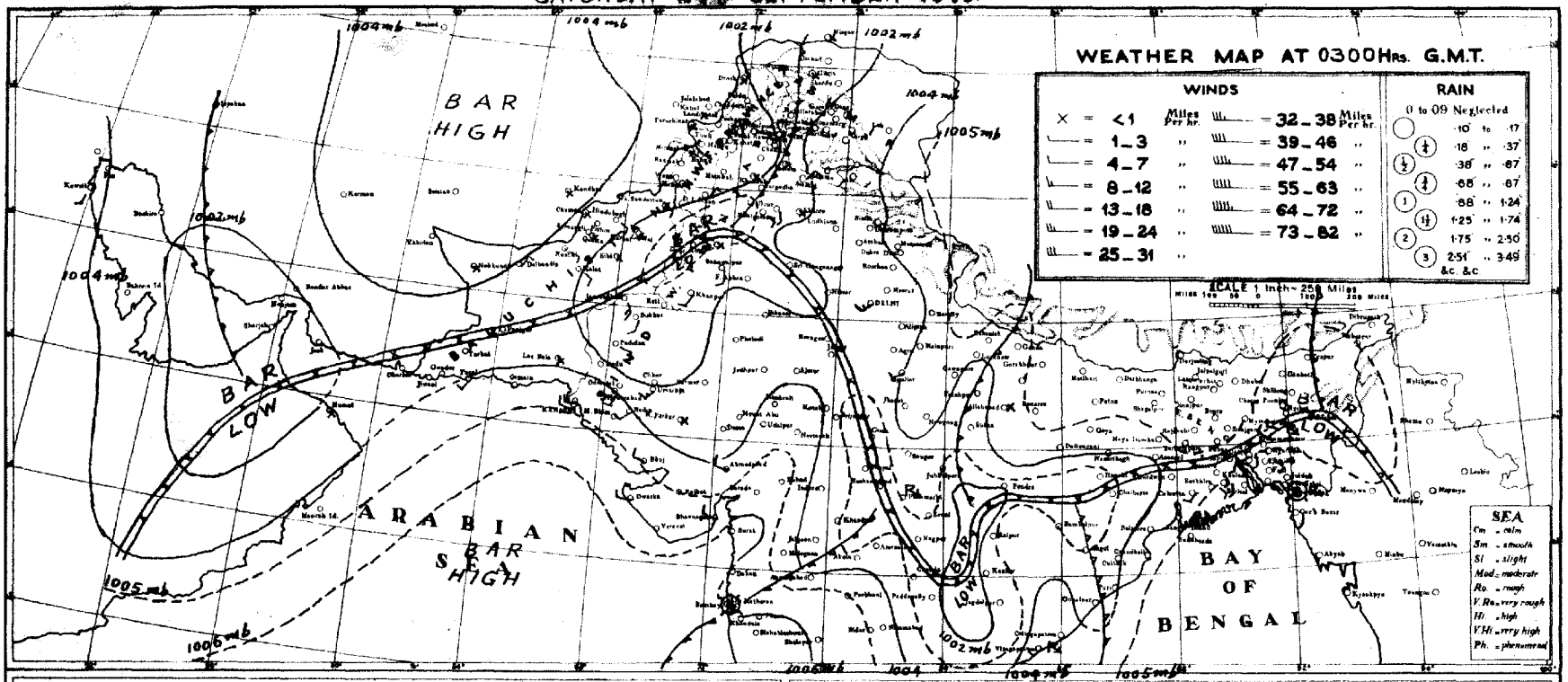
FRIDAY 23rd SEPTEMBER 1949.

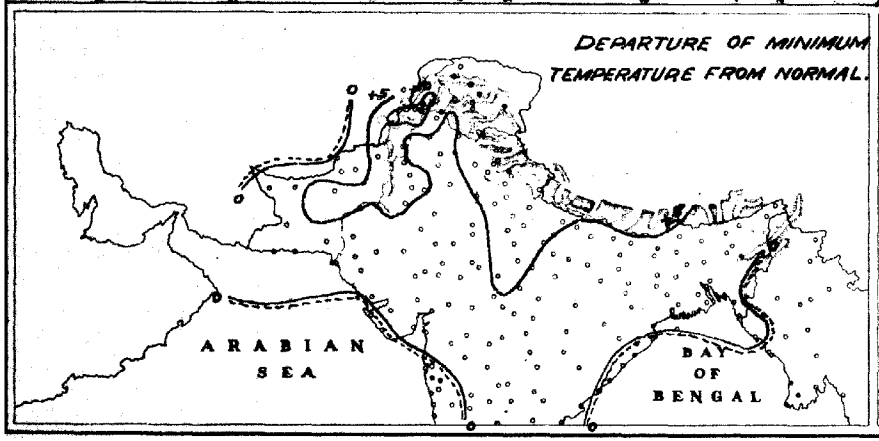


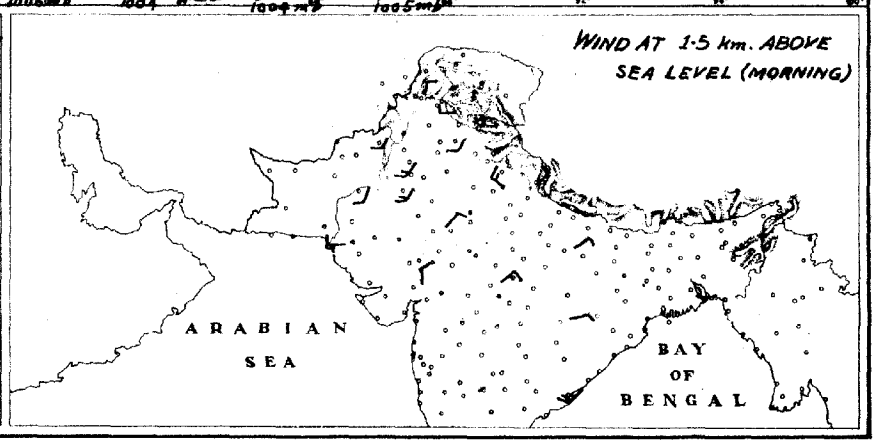
Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER REPORT

SATURDAY 24th SEPTEMBER 1949.



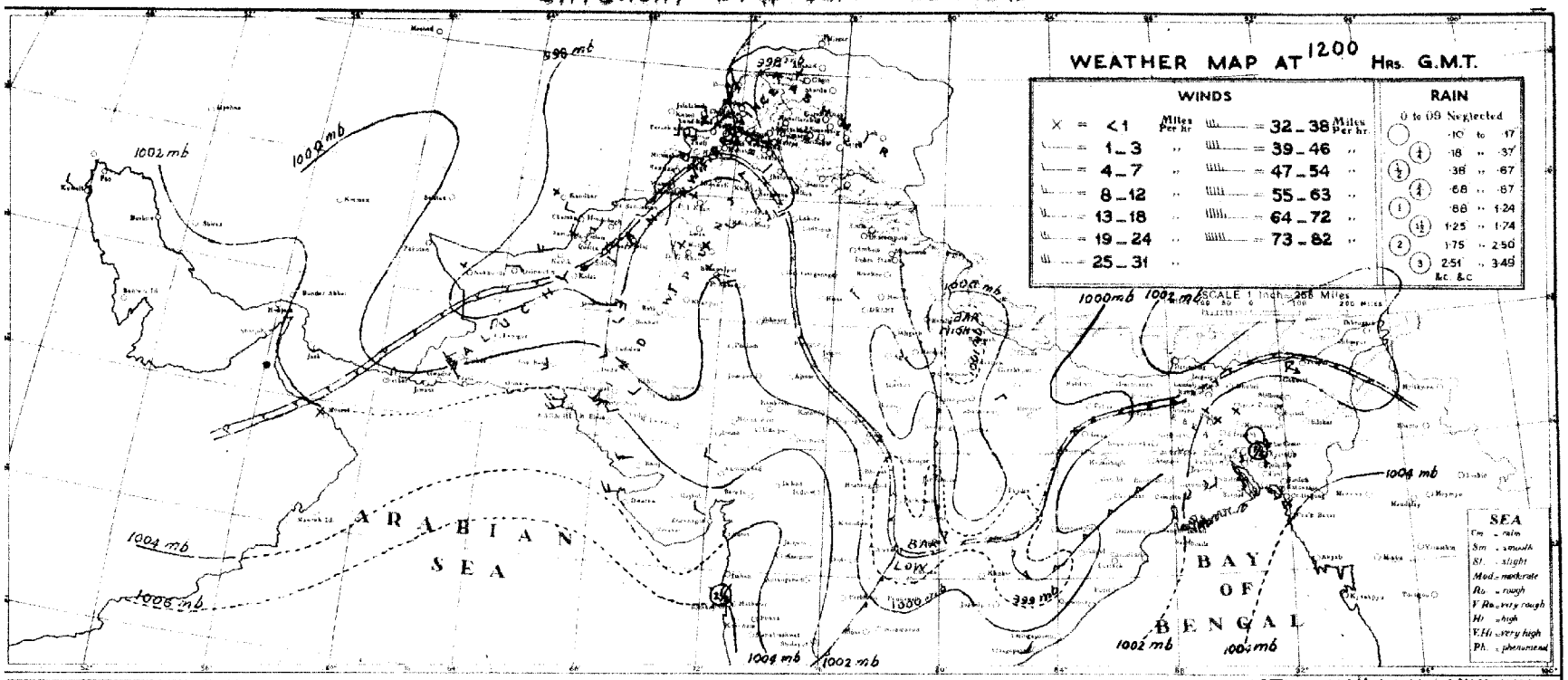


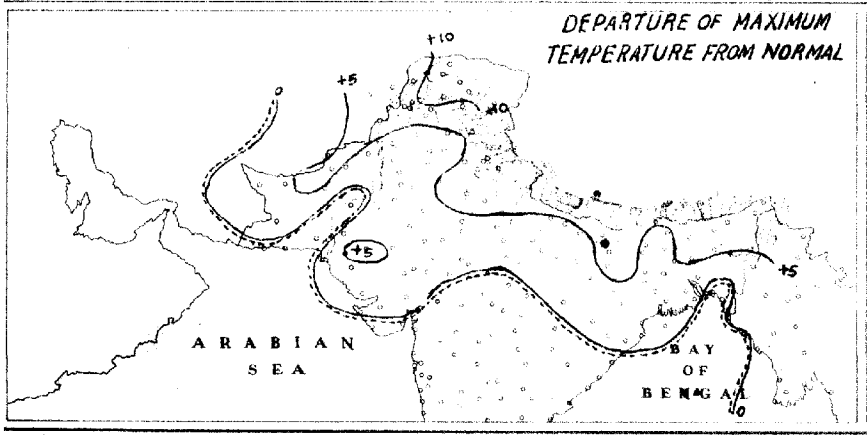


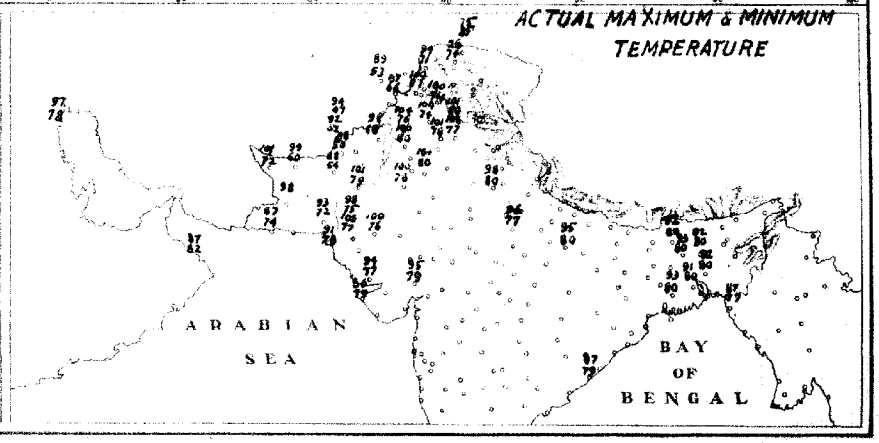
Rainfall amounts indicated in the above chart refer to past 24hours.

PAKISTAN DAILY WEATHER REPORT

SATURDAY 24 TH SEPTEMBER 1949



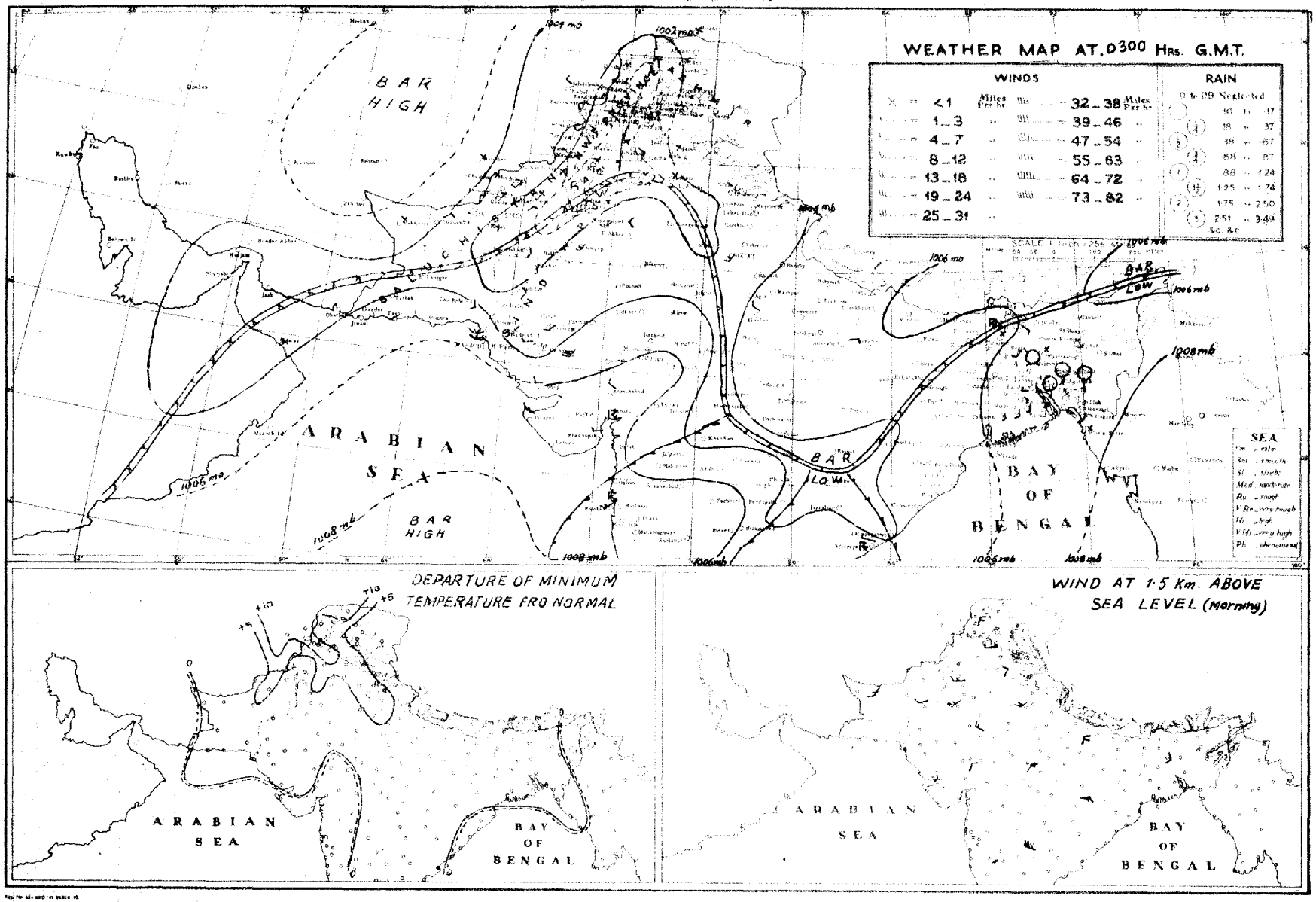




Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER REPORT

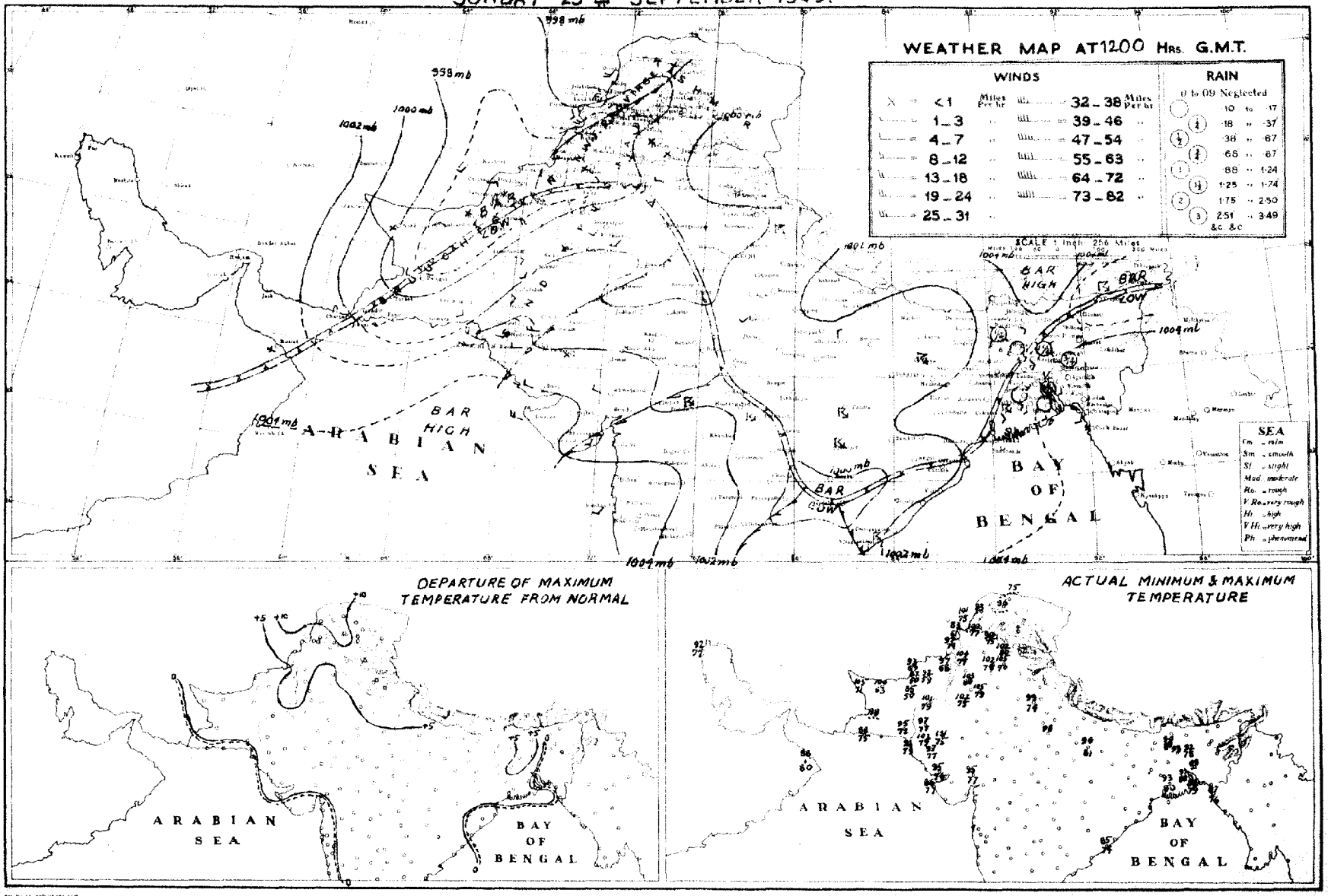
SUNDAY 25TH SEPTEMBER 1949



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

PAKISTAN DAILY WEATHER REPORT

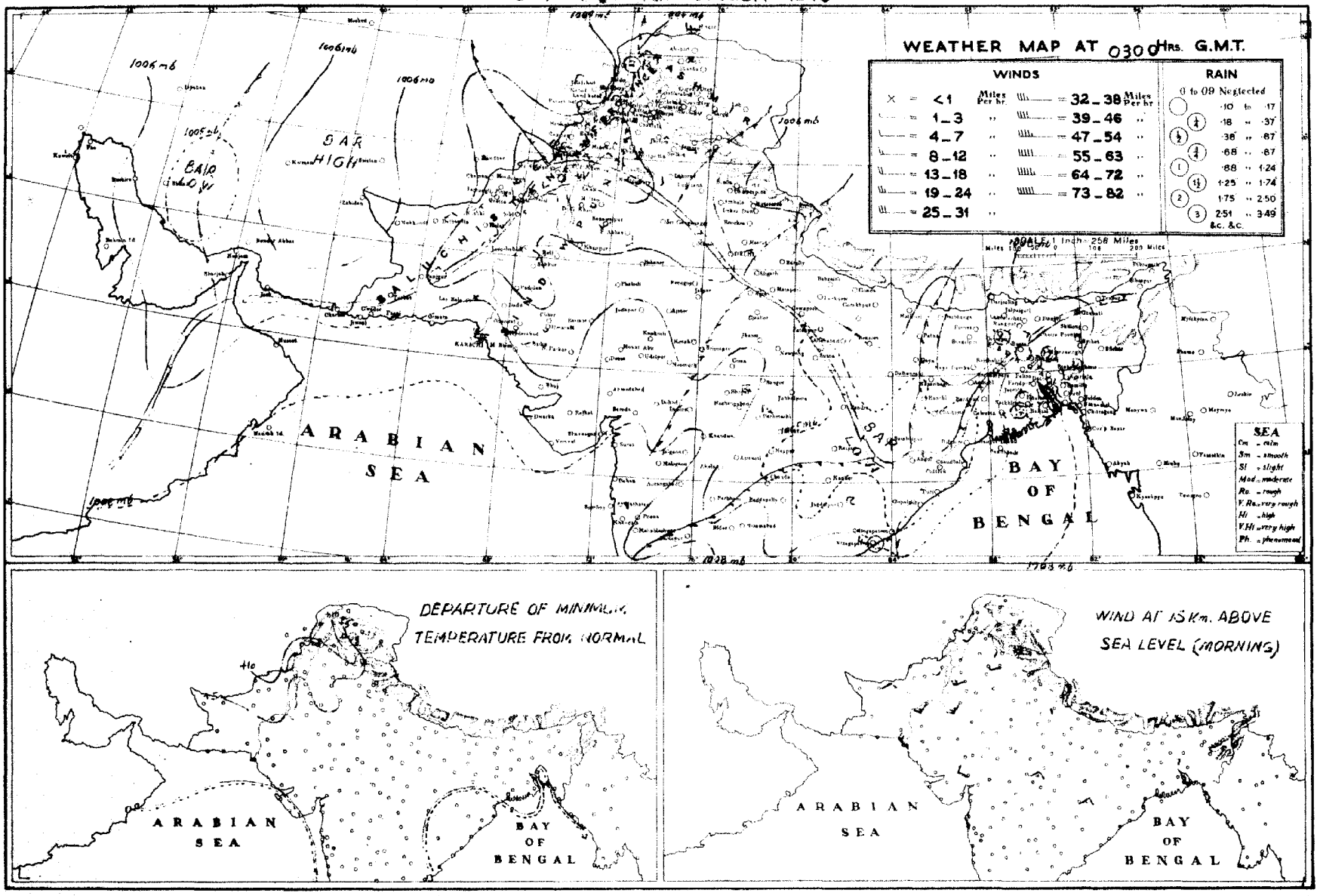
SUNDAY 25 TH SEPTEMBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

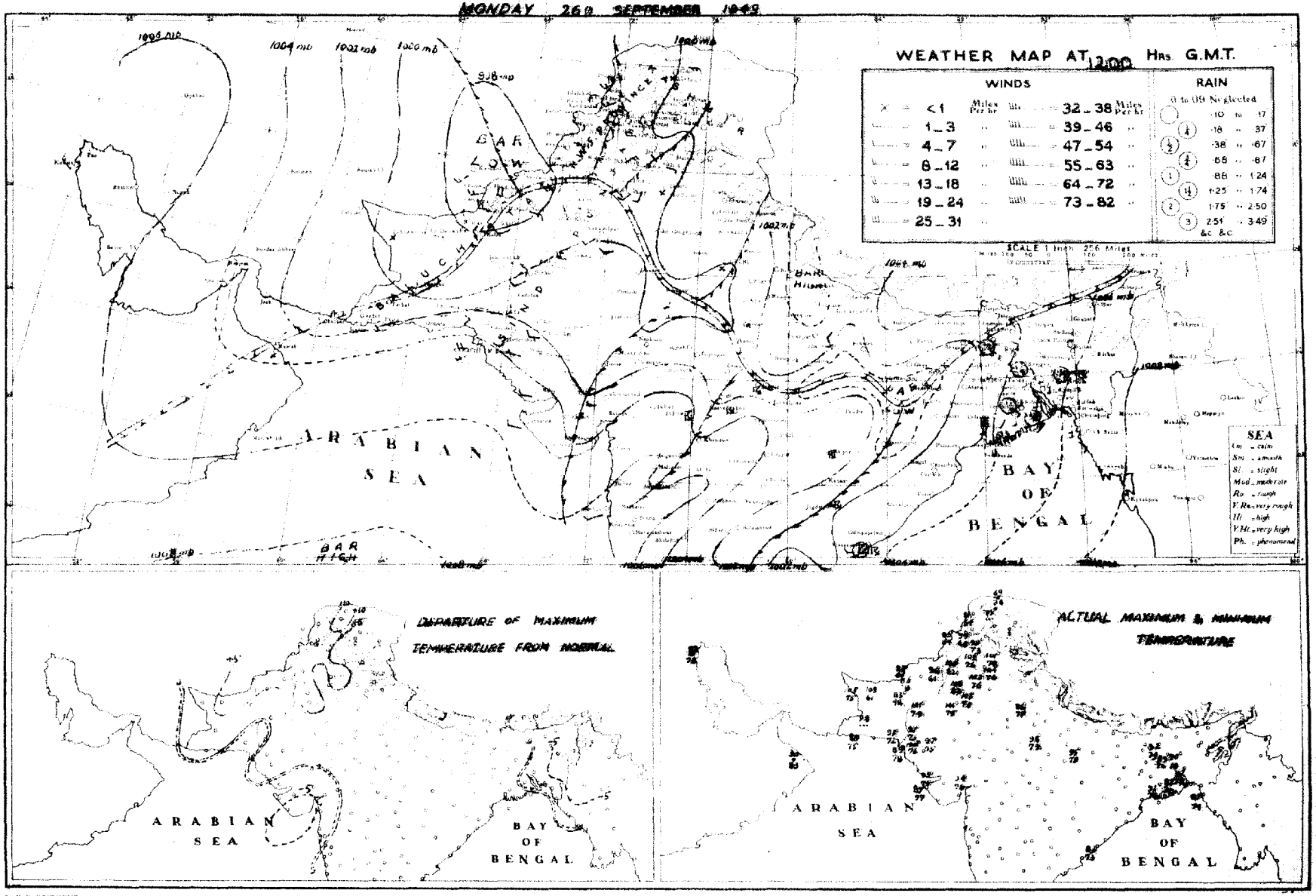
MONDAY 20th SEPTEMBER 1949



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

PAKISTAN DAILY WEATHER REPORT

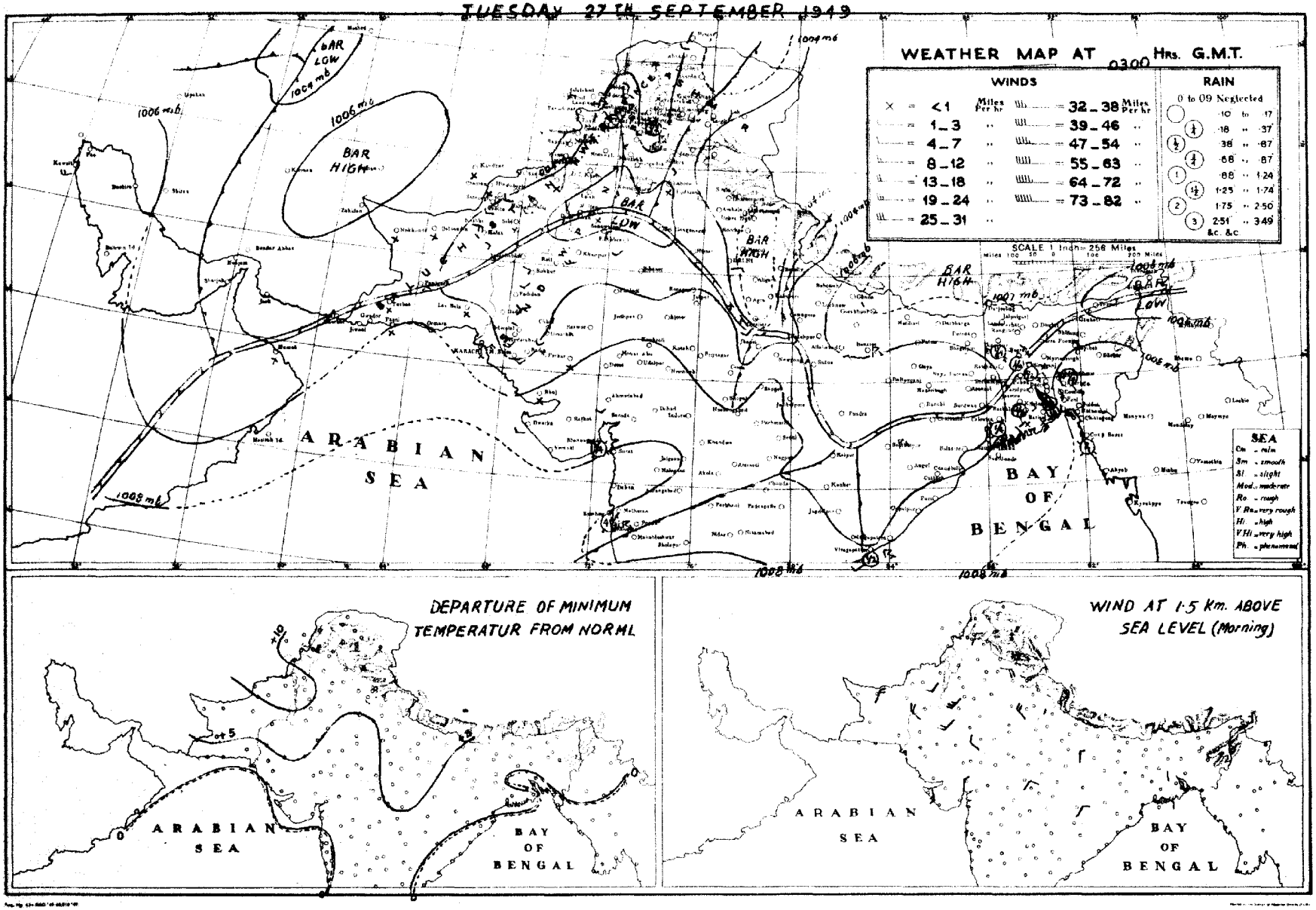
MONDAY 26th SEPTEMBER 1949



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

PAKISTAN DAILY WEATHER REPORT

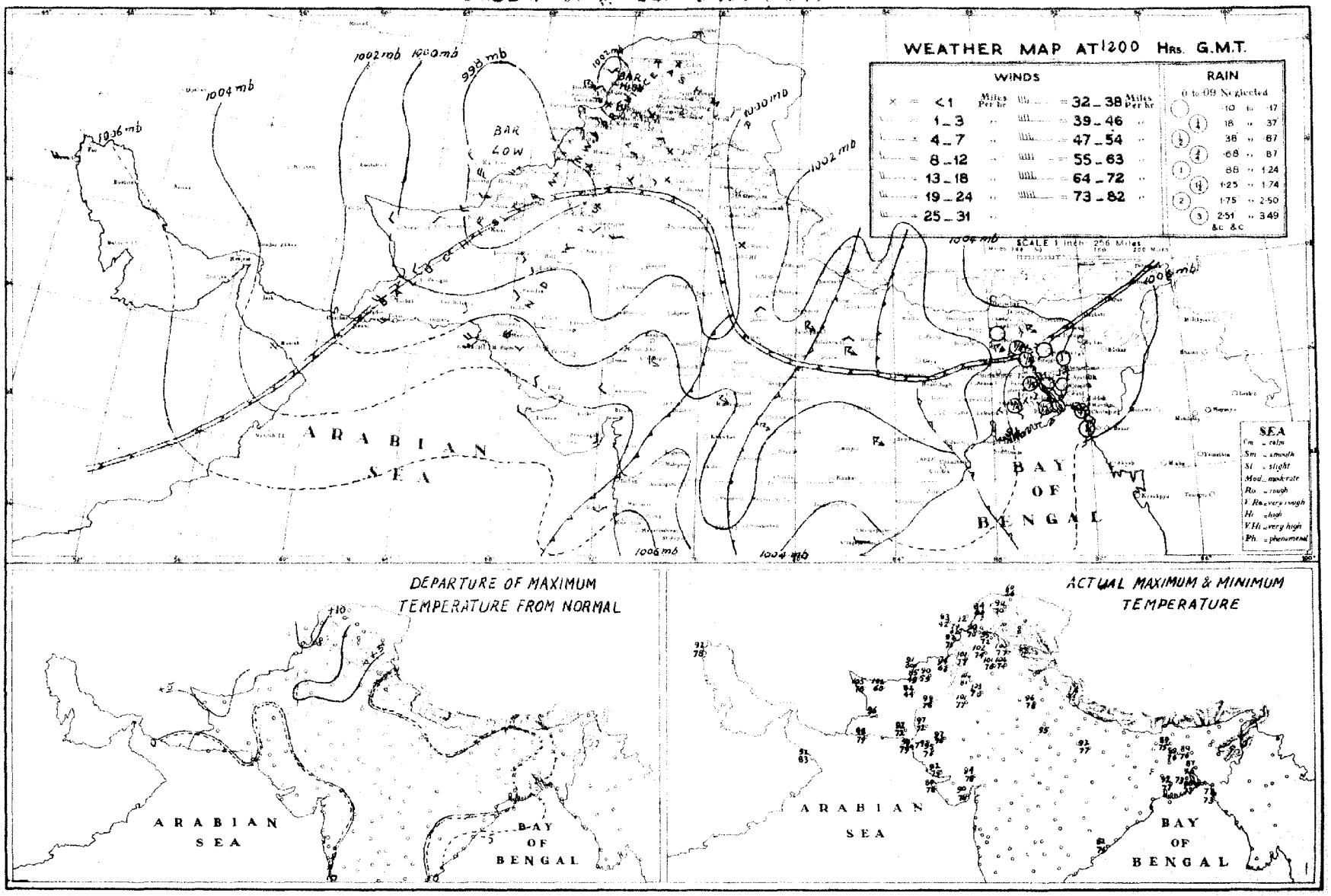
TUESDAY 27TH SEPTEMBER 1949



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

PAKISTAN DAILY WEATHER REPORT

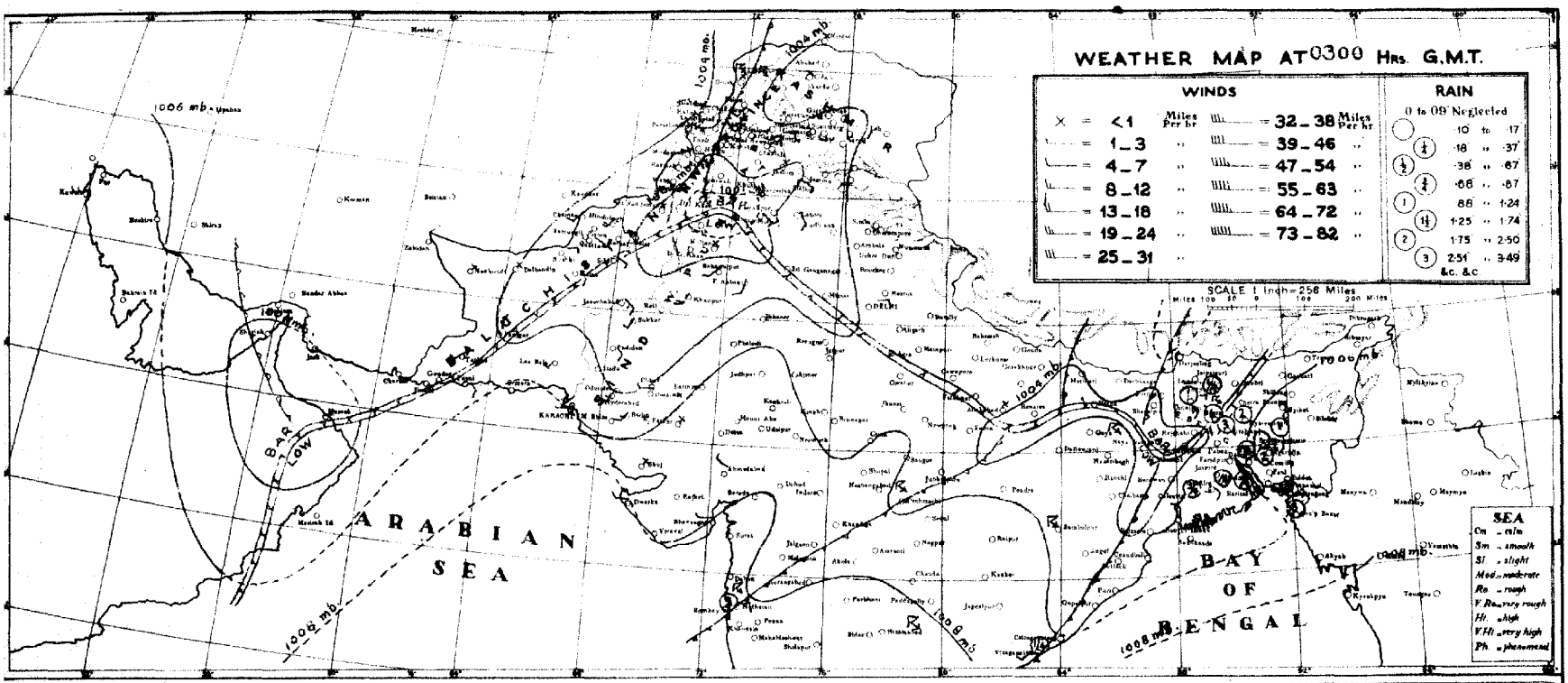
TUESDAY 27 TH SEPTEMBER 1949.

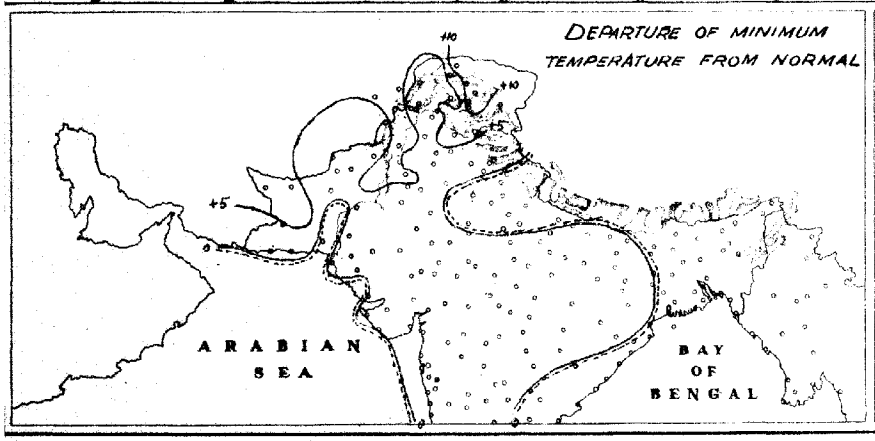


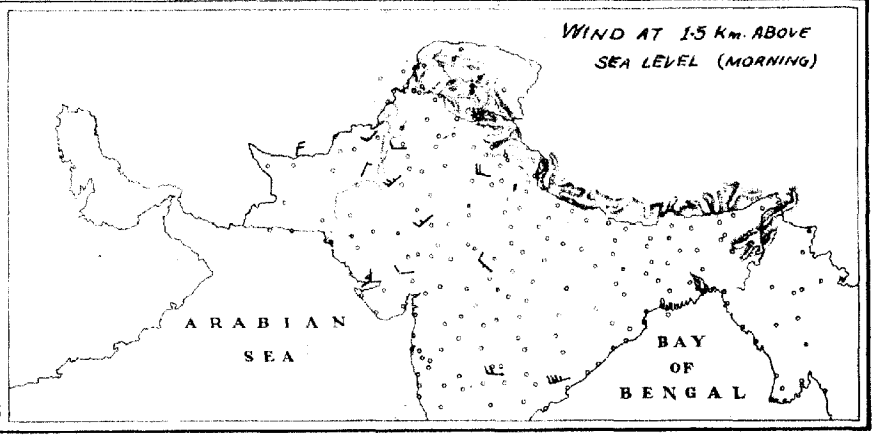
Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER REPORT

WEDNESDAY 28th SEPTEMBER 1949.







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

Regd. No.....

WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G. M. T. on Wednesday, the 5th October, 1949.

——o:O:o——

SUMMARY OF WEATHER.

A secondary western disturbance moving northeast-wards across the northern region of West Pakistan, caused fairly widespread thunderstorms/showers in the North-West Frontier Province and the northwest Punjab; while scattered duststorms occurred in the southwest Punjab and north Baluchistan, during the first half of the week. Weather over West Pakistan was mainly dry during the second half of the week. An active monsoon brought copious rainfall for East Pakistan during the first two days of the week. For the rest of the period, there was also thunderstorm activity over the region, owing to the eastward passage of cold fronts associated with low pressure waves moving through higher latitudes.

Some of the noteworthy amounts of rainfall reported during the week were :—Chittagong 6" and Brahmanbaria 3" on the 29th, Cox's Bazar 3" on the 30th.

3. EAST PAKISTAN :—Rainfall was nearly general in the Northern sub-divison on the 29th, 30th, 1st and 3rd and in the Eastern sub-division on the 29th and 30th. Local rainfall occurred in the Northern sub-division on the 2nd ; in the Eastern sub-division on the 1st and in the Deltaic sub-division on the first four days. Isolated showers also fell, in the Northern sub-division on the 4th and in the Eastern sub-division on the 2nd and 3rd.

Kashmir :—Data not available.

WEST PUNJAB :—Rainfall was fairly widespread on the 30th, local on the 29th and scattered on the 1st, in the northwest Punjab. No rain fell in the southwest Punjab.

NORTH-WEST FRONTIER PROVINCE :—Local showers occurred in the plains on the 29th, while a few showers fell on the 30th and 1st.

BALUCHISTAN :—Weather remained dry.

SIND :—Weather remained dry.

JUNAGADH :—Data not available.

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

Rainfall for the period from 1st June 1949 to date was in excess in Sind and the Northern sub-division of East Pakistan. It was normal in the Eastern sub-division of East Pakistan and the northwest Punjab. Rainfall was deficient elsewhere.

4. The table overleaf summarises the rainfall statistics for the 11 sub-divisions of Pakistan both for the week and for the period from 1st June 1949 to date.

KARACHI-11.
The 5th October, 1949.

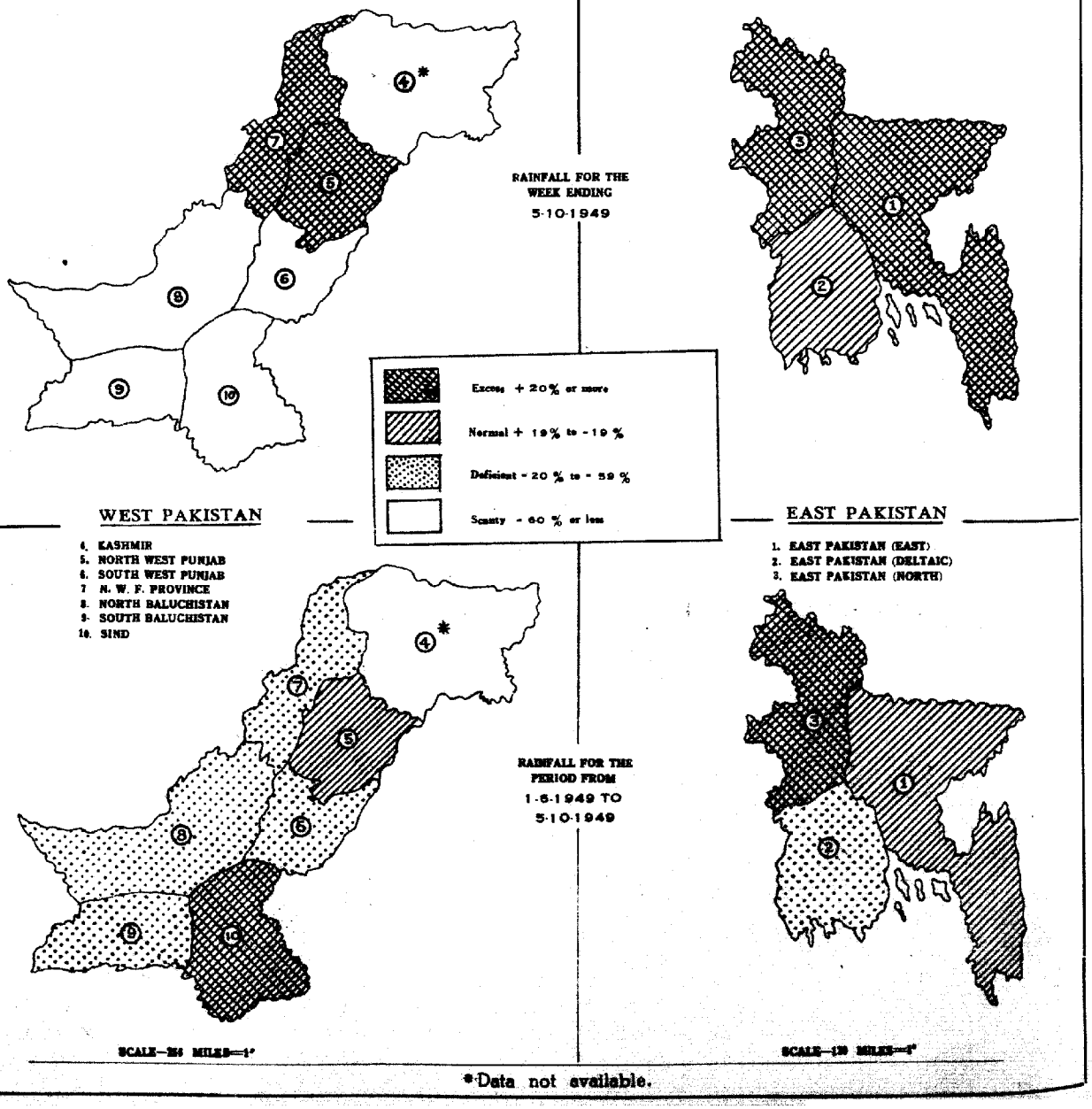
MOHAMMAD SHABBAR,
for Director, Meteorological Services.

WEEKLY WEATHER REPORT

Division	Rainfall for week ending on 5th October 1949.			Rainfall for period from 1-6-49. to 5th October 1949.			
	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	2.1	+ 1.7	73.8	67.0	+ 6.8	+ 10
2. East Pakistan (Deltaic)	1.3	1.4	− 0.1	38.0	49.4	− 11.4	− 23
3. East Pakistan (North)	3.3	1.5	− 1.7	65.0	48.5	+ 16.5	+ 35
4. Kashmir †	....	....	....	....	....	....	...
5. North West Punjab	0·6	0.1	+ 0.5	14.5	16.3	− 1.6	− 10
6. South West Punjab	0	0	0	3.5	5.4	− 1.9	− 35
7. N. W. F. P.	0.1	0.1	+ 0.5	2.9	4.9	− 2.0	− 42
8. North Baluchistan	0	0	0	2.2	2.8	− 0.6	− 20
9. South Baluchistan	0	0	0	0.5	1.0	− 0.4	− 45
10. Sind	0	0	0	7.4	5.4	+ 2.0	+ 38
11. Junagadh †	....	....	....	....	....	....	....

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

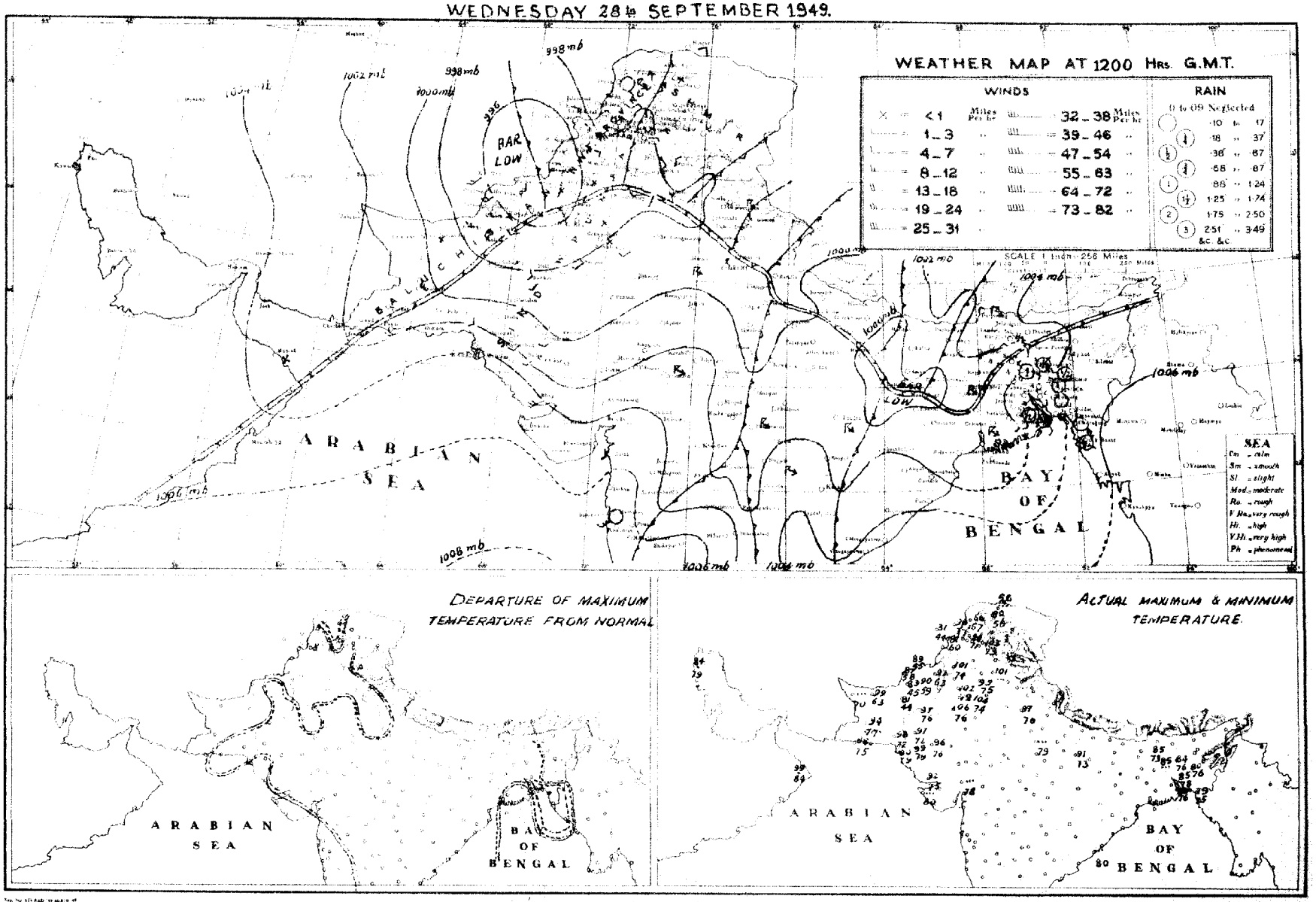
† Data not available. †† Rainfall of stations having no normals is not included.



*Data not available.

PAKISTAN DAILY WEATHER REPORT

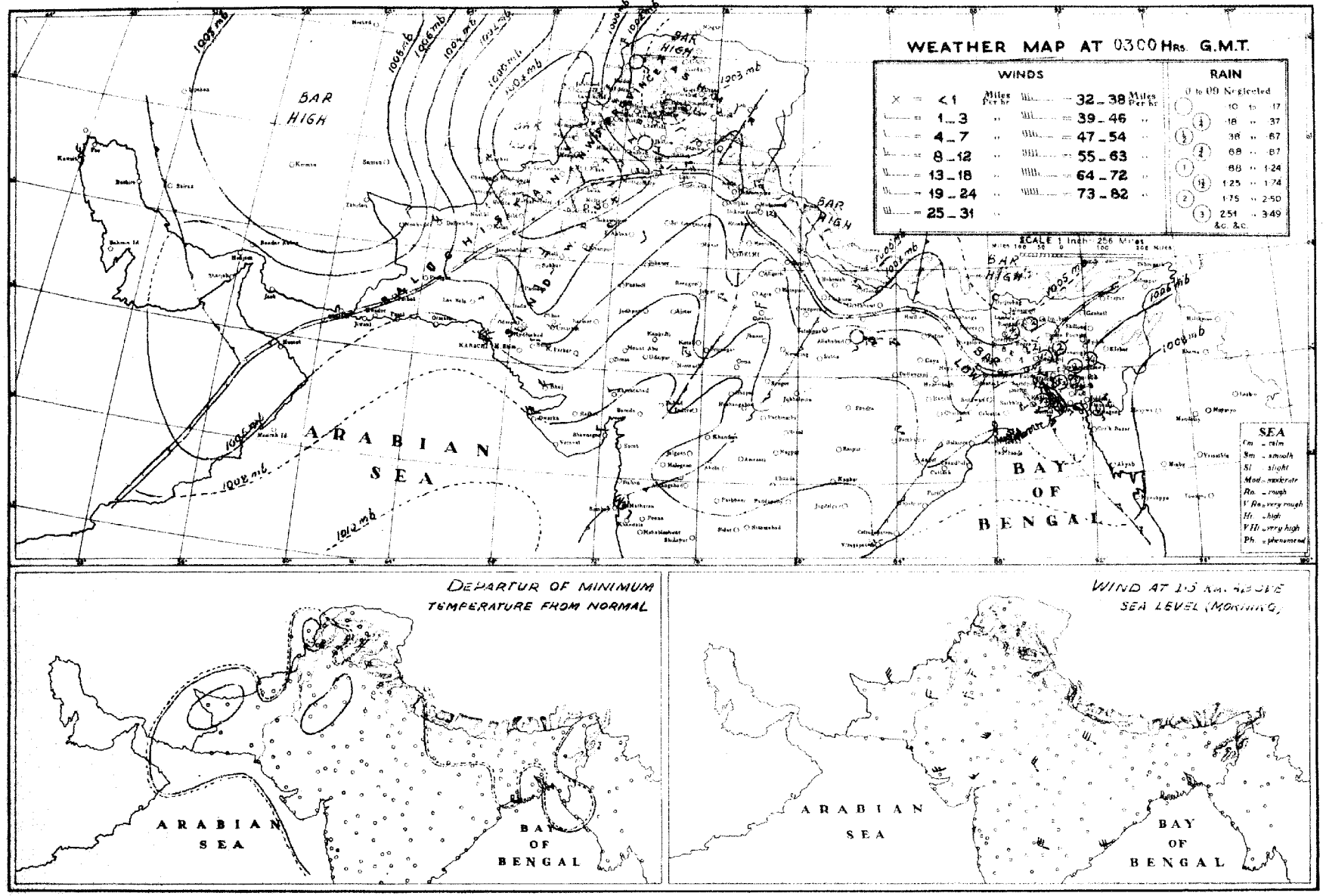
WEDNESDAY 28th SEPTEMBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

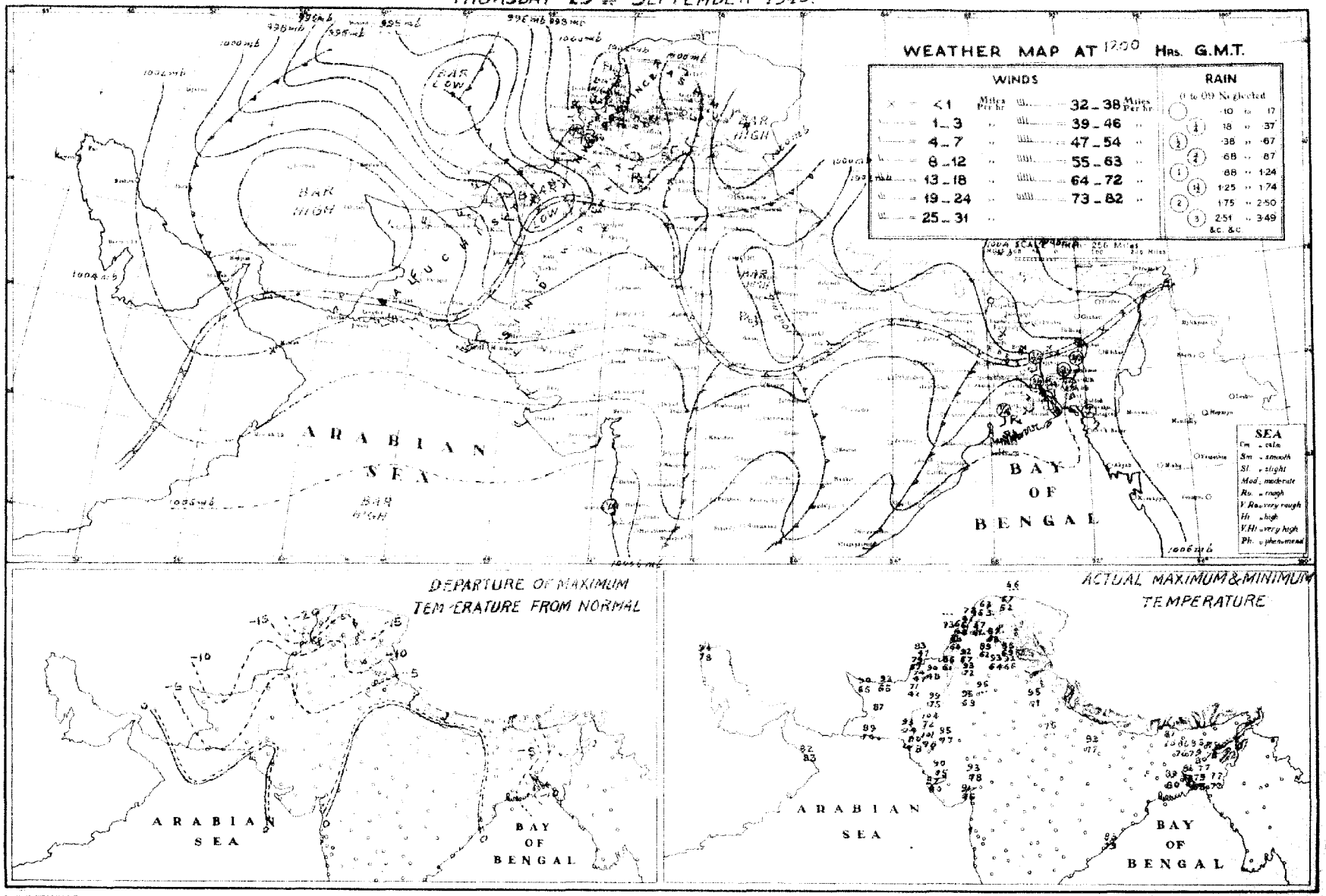
THURSDAY 29th SEPTEMBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

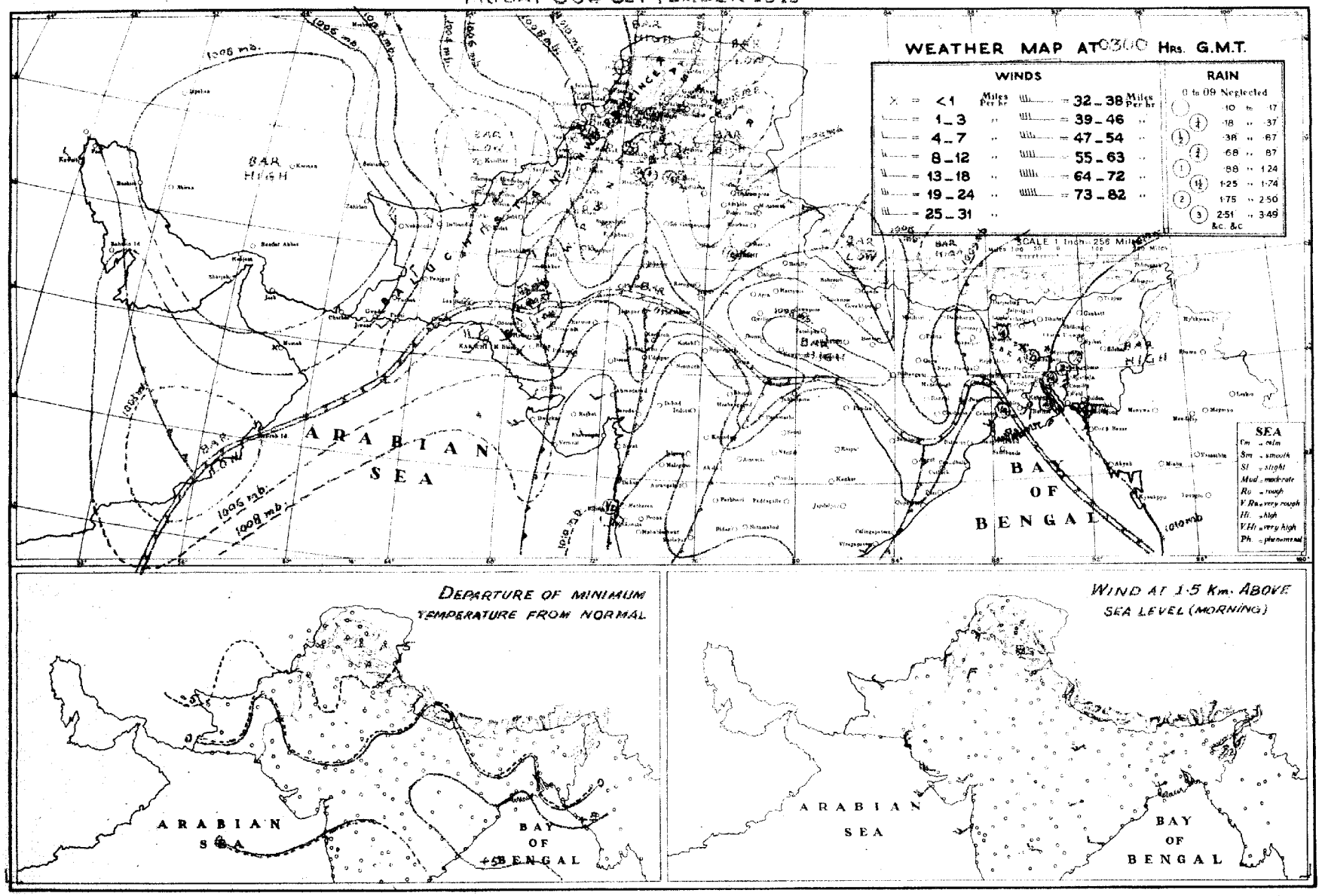
THURSDAY 29TH SEPTEMBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

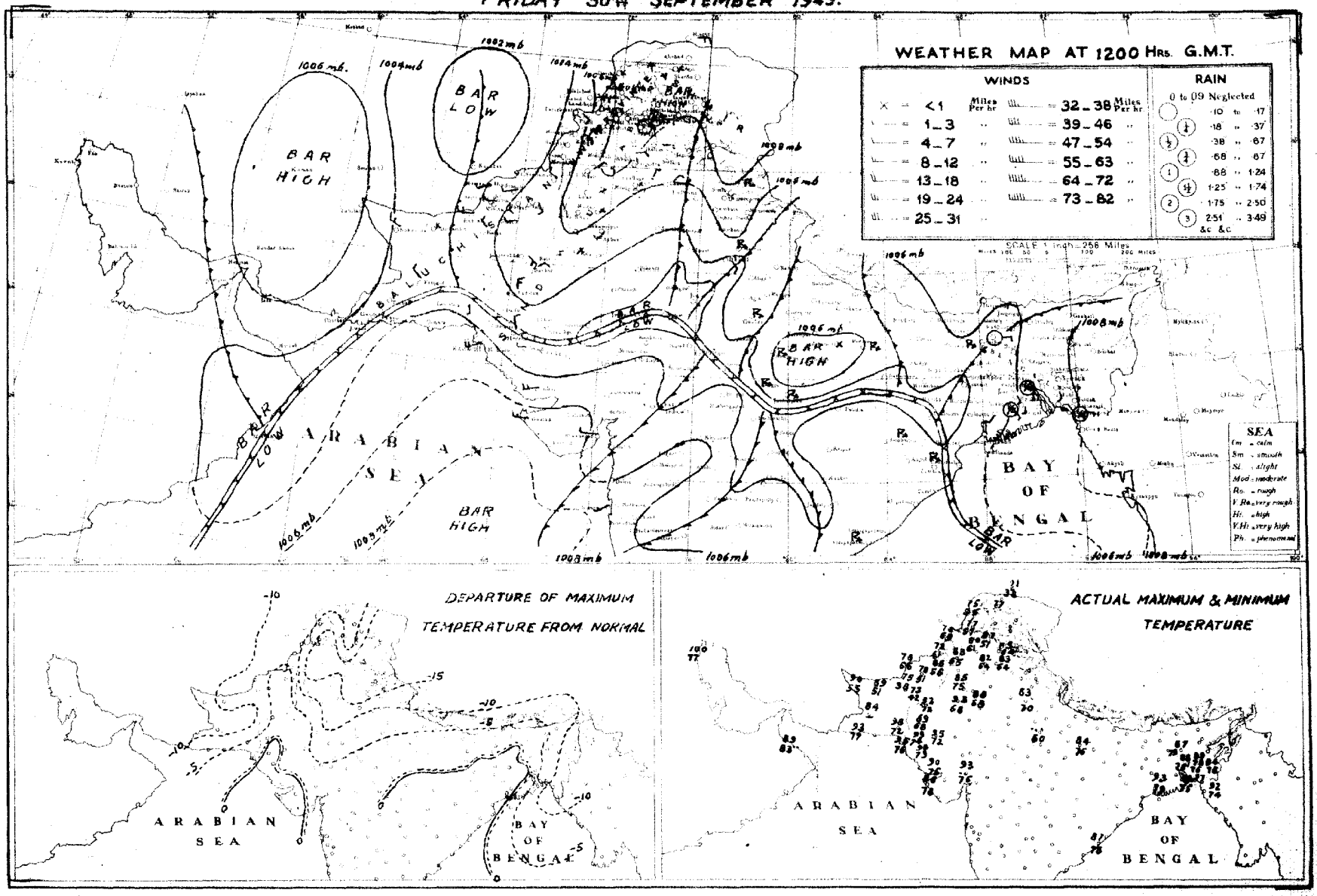
FRIDAY 30th SEPTEMBER 1949



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

PAKISTAN DAILY WEATHER REPORT

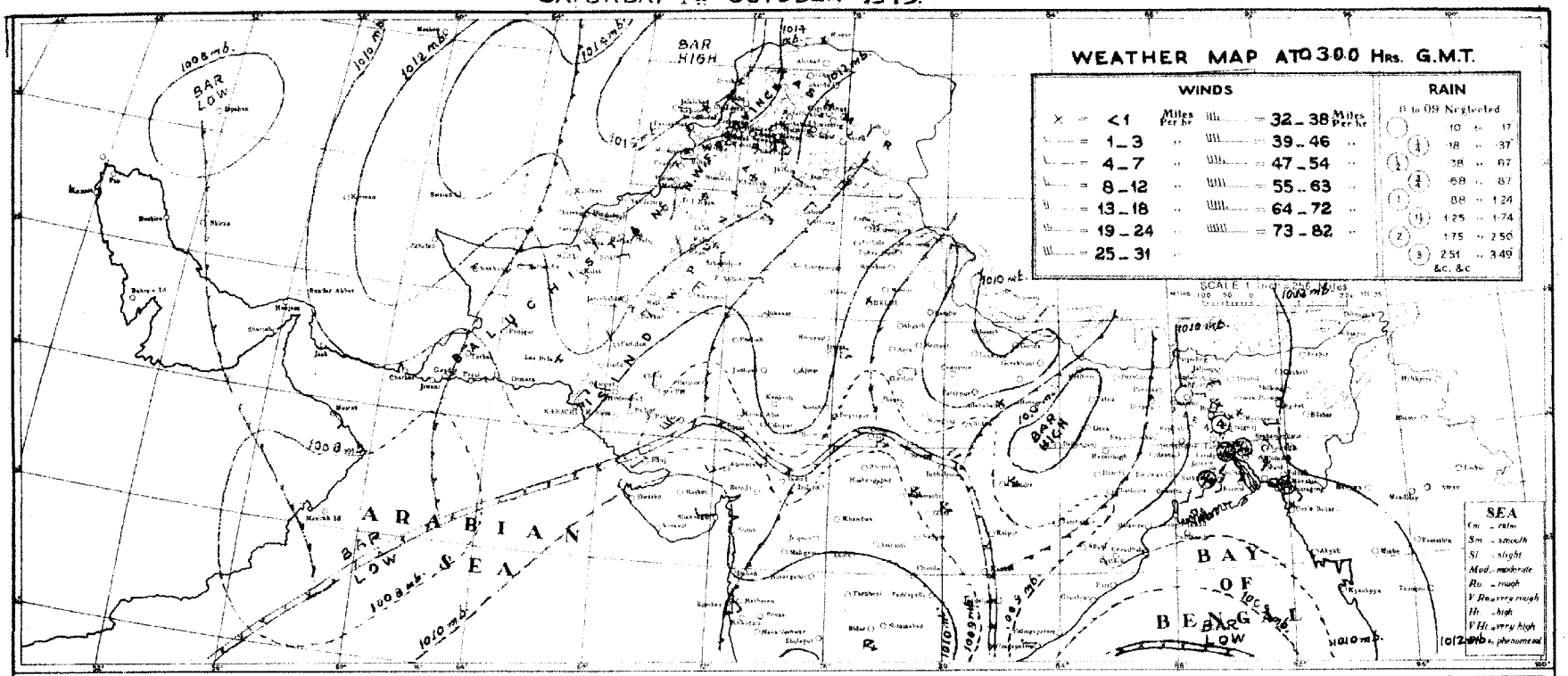
FRIDAY 30th SEPTEMBER 1949.

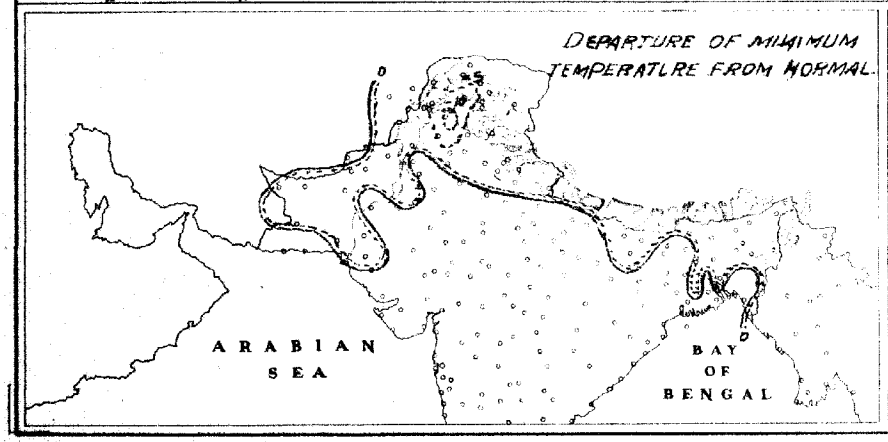


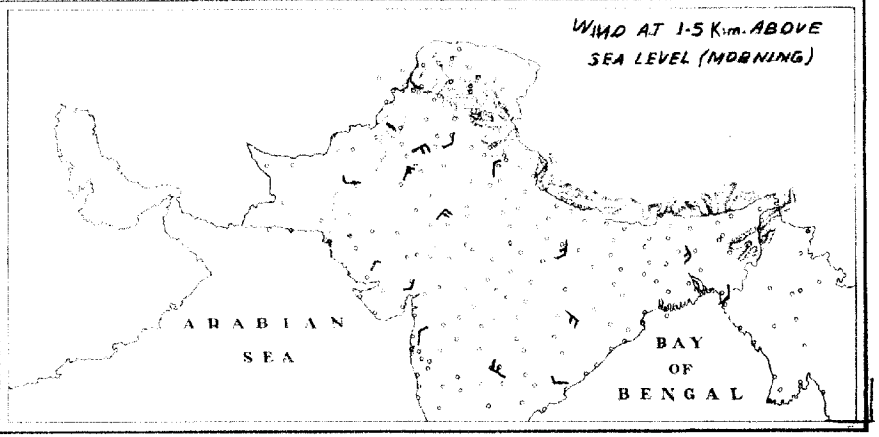
Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER REPORT

SATURDAY 1st OCTOBER 1949.



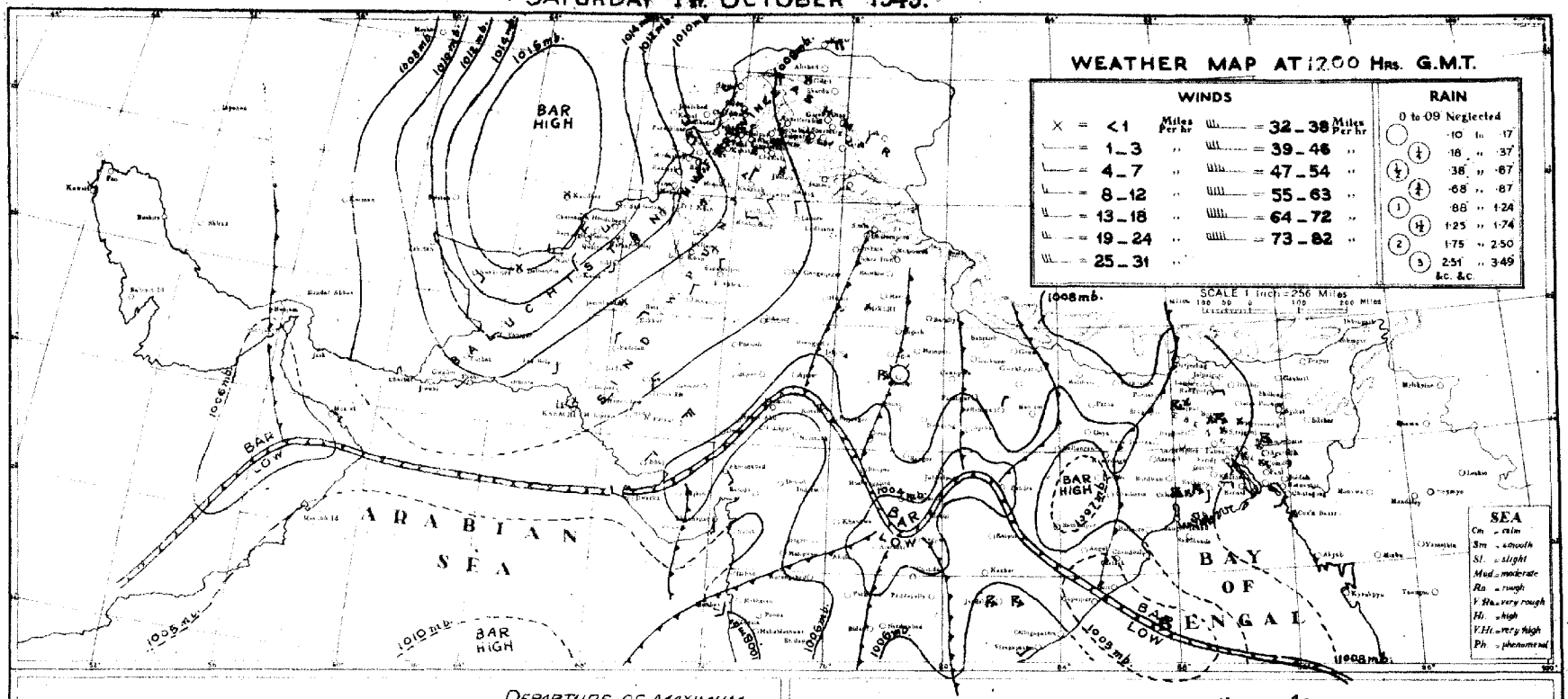


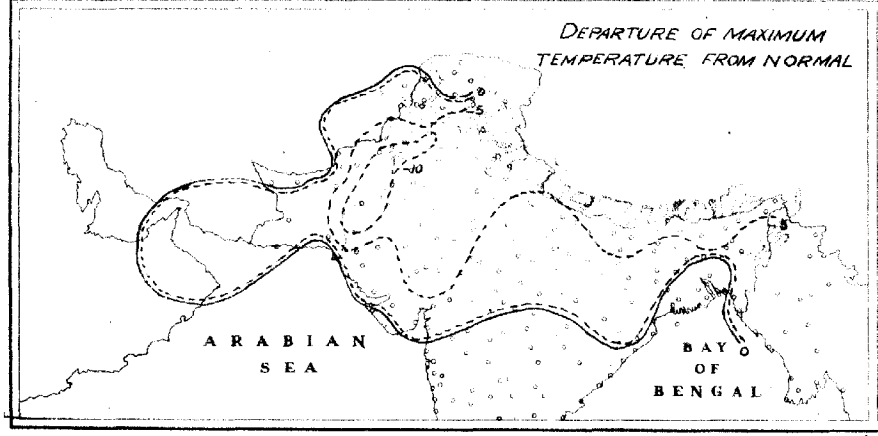


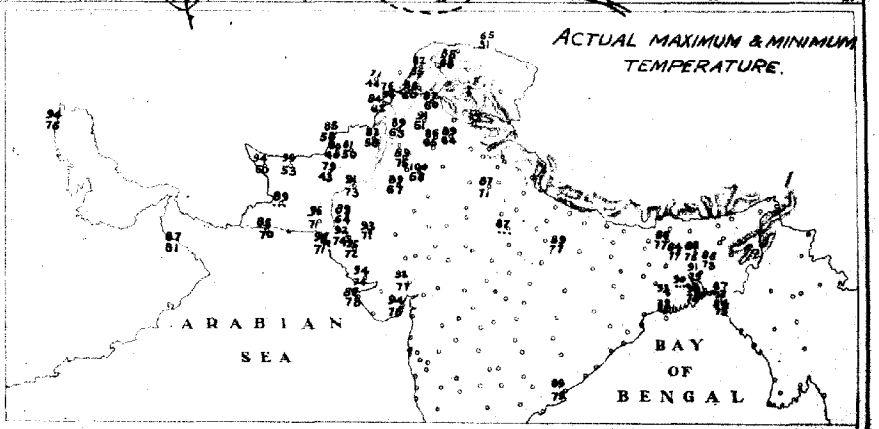
Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER REPORT

SATURDAY 1st. OCTOBER 1949.



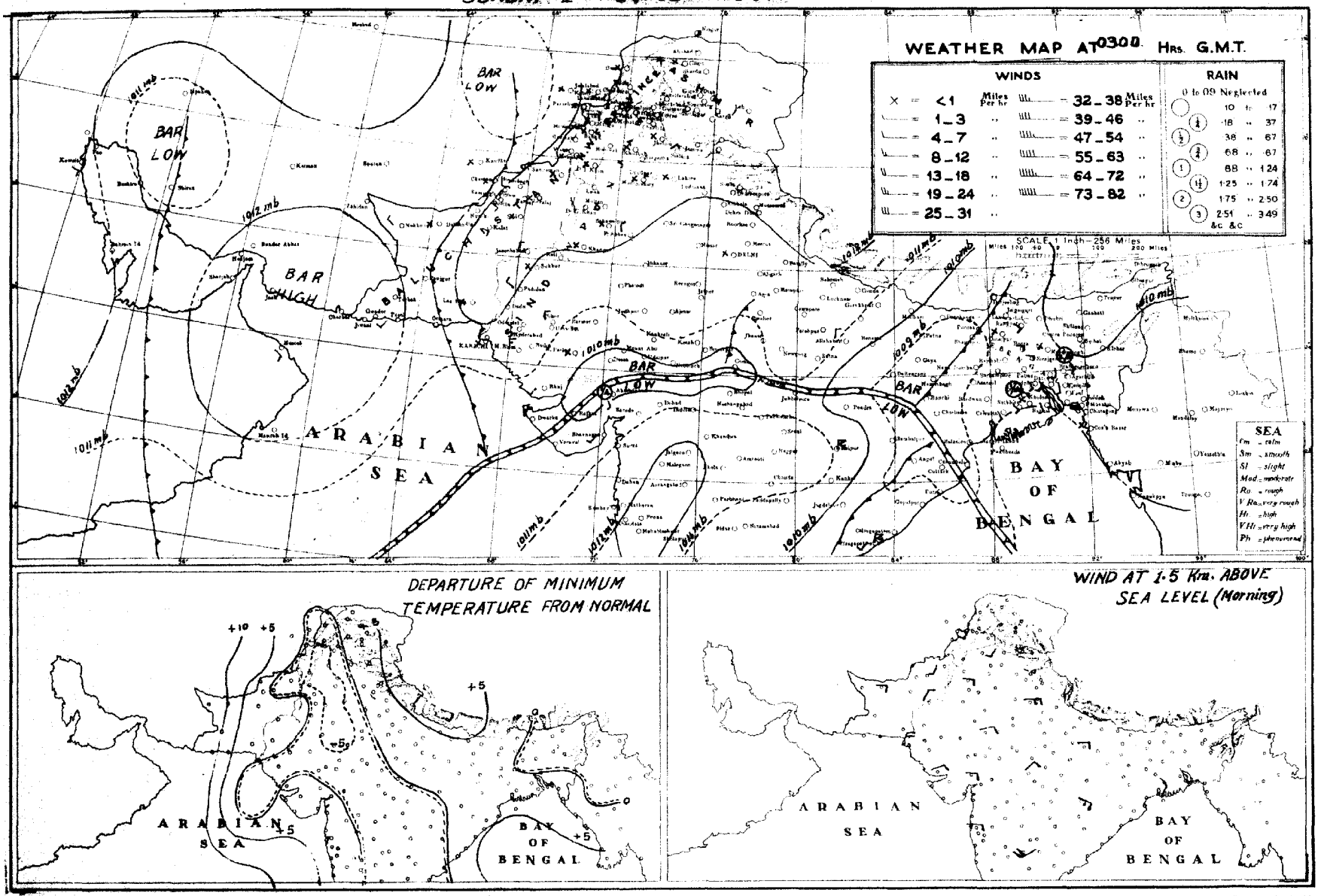




Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER REPORT

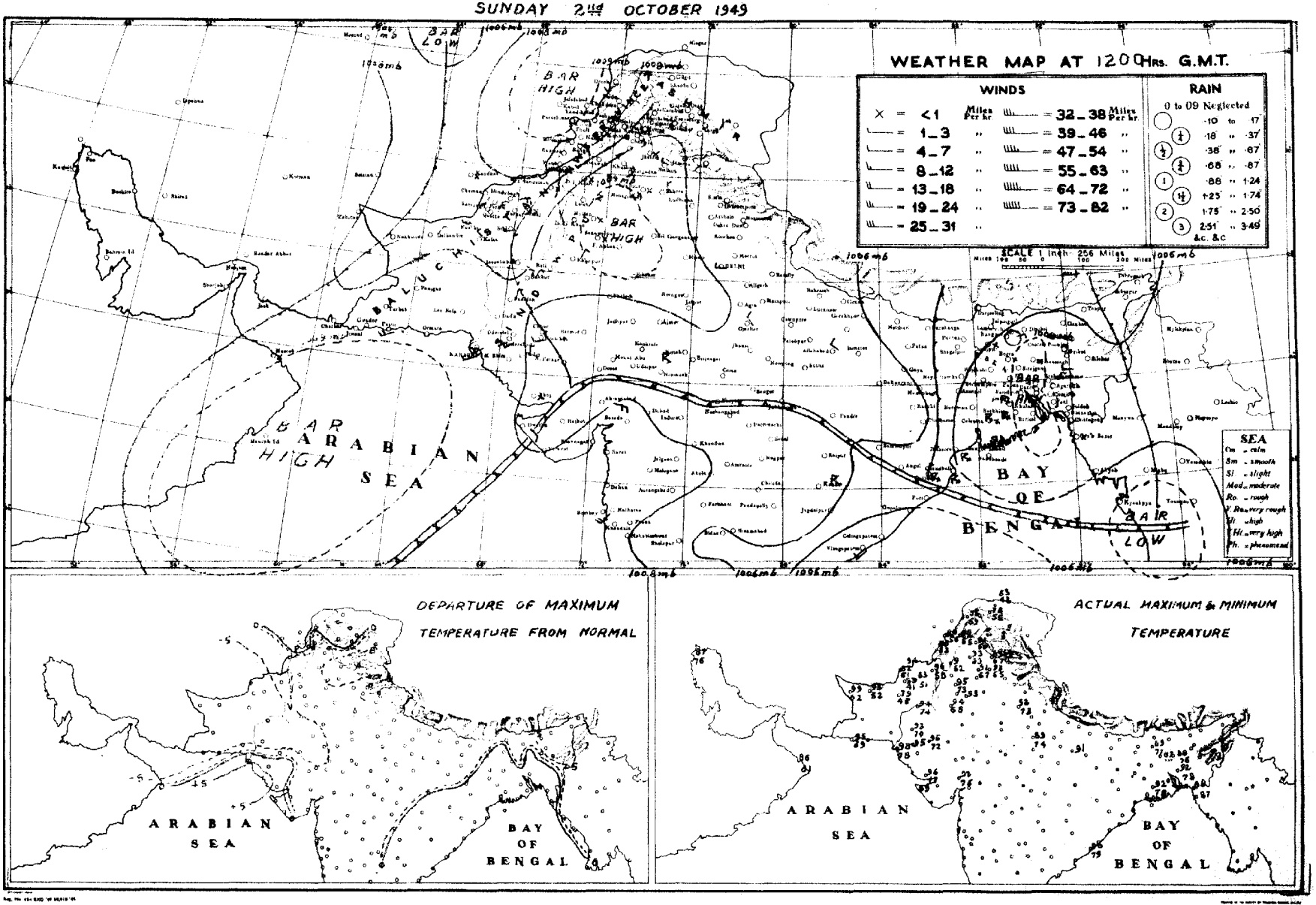
SUNDAY 2nd OCTOBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

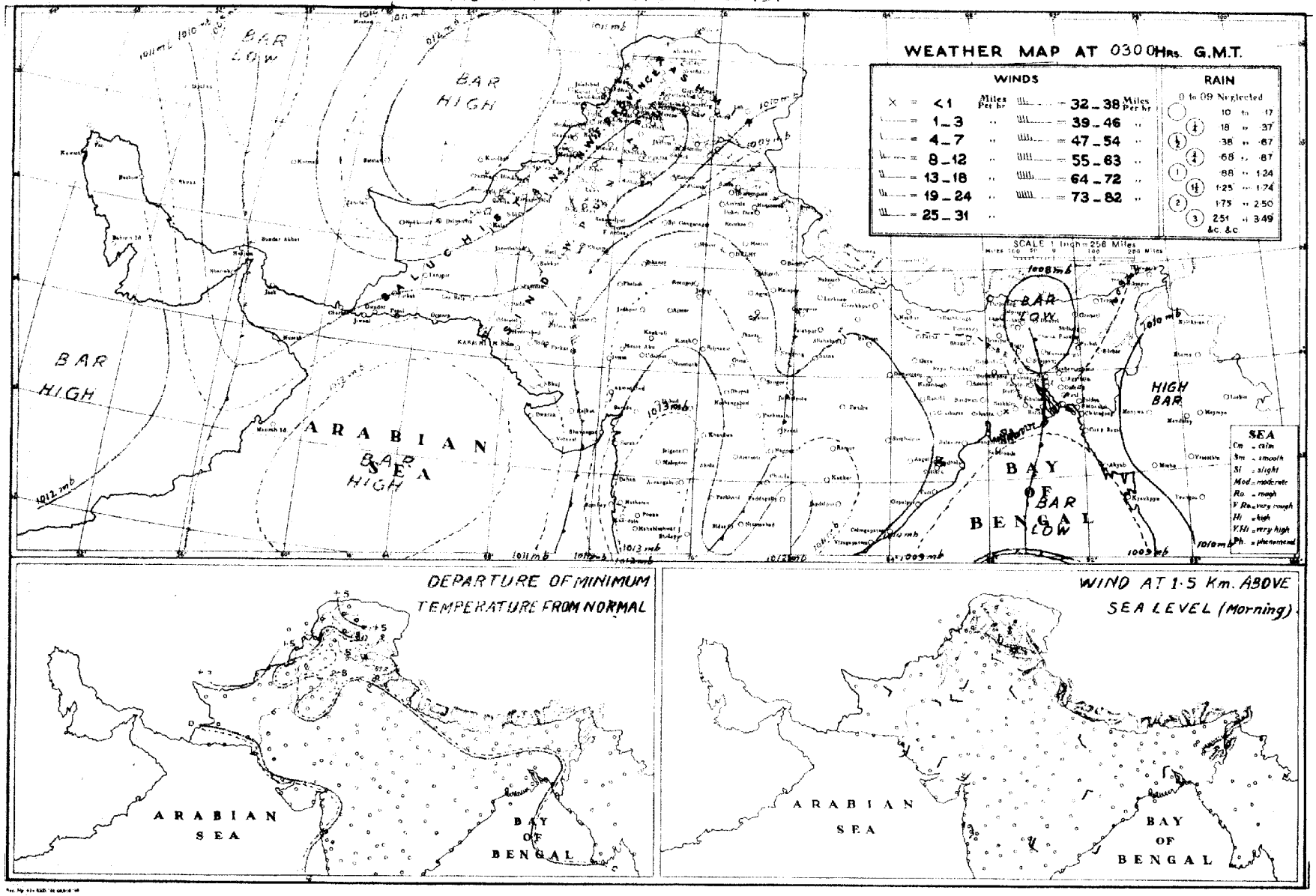
SUNDAY 2nd OCTOBER 1949



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

PAKISTAN DAILY WEATHER REPORT

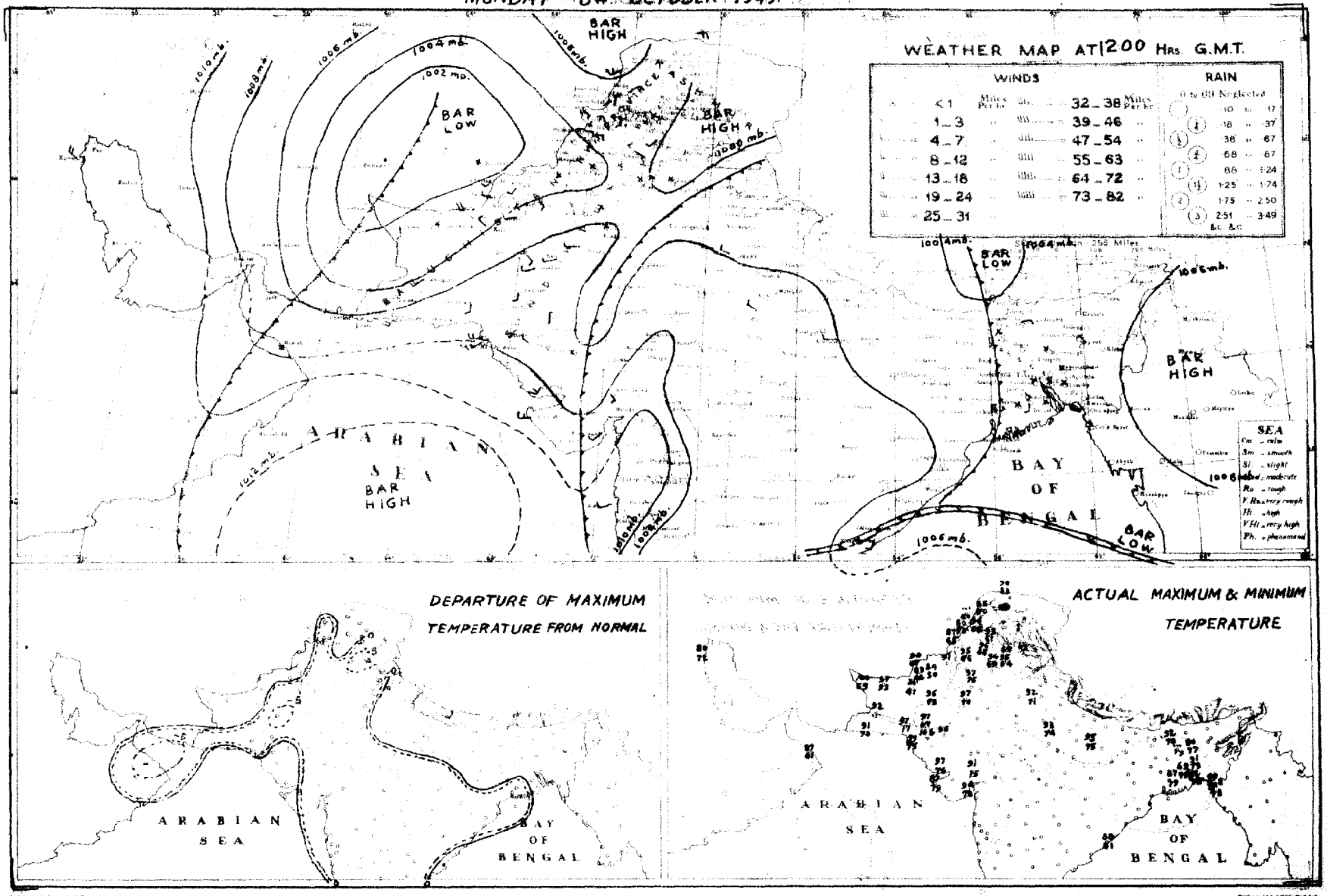
MONDAY 3RD OCTOBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

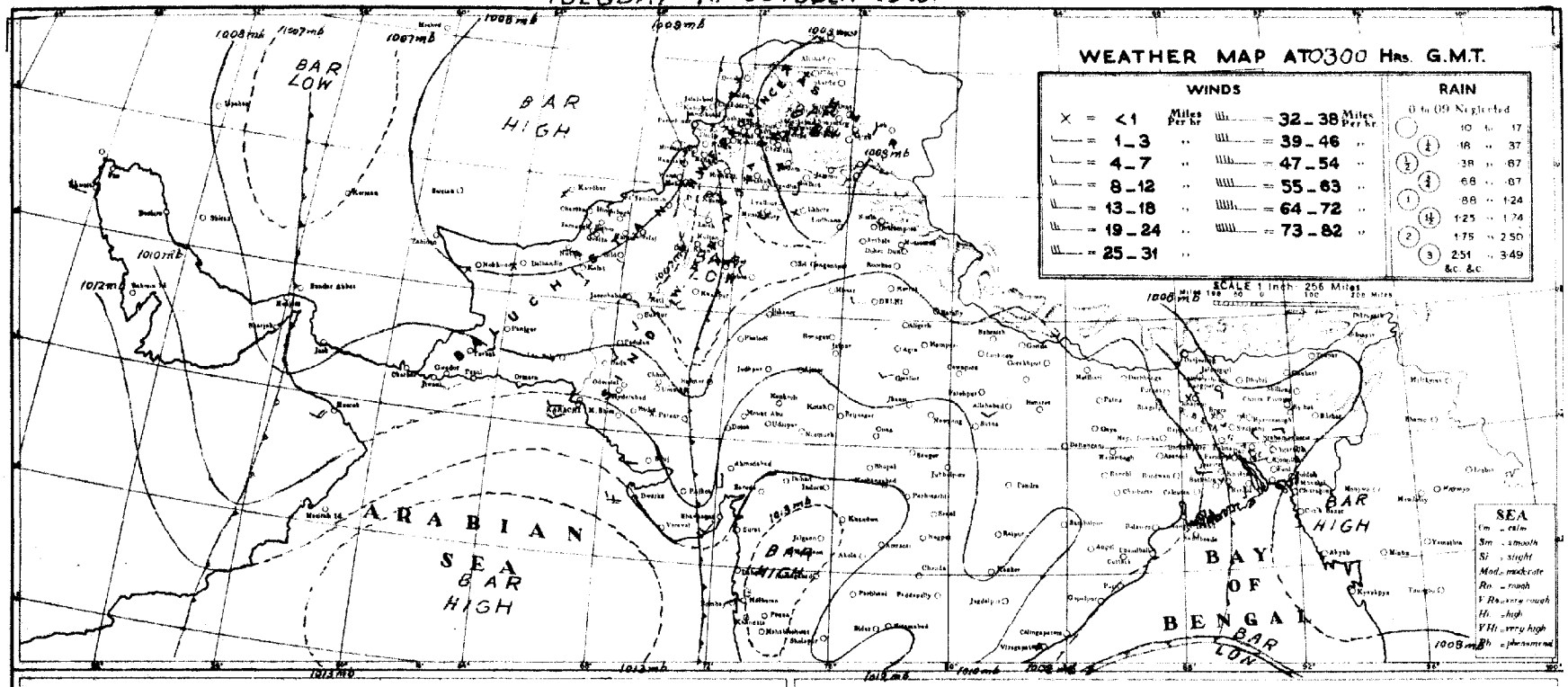
MONDAY 31st OCTOBER 1949.

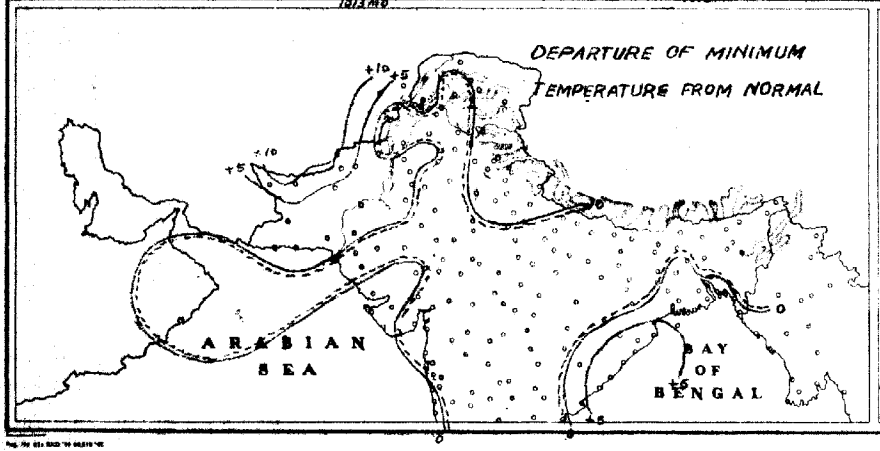


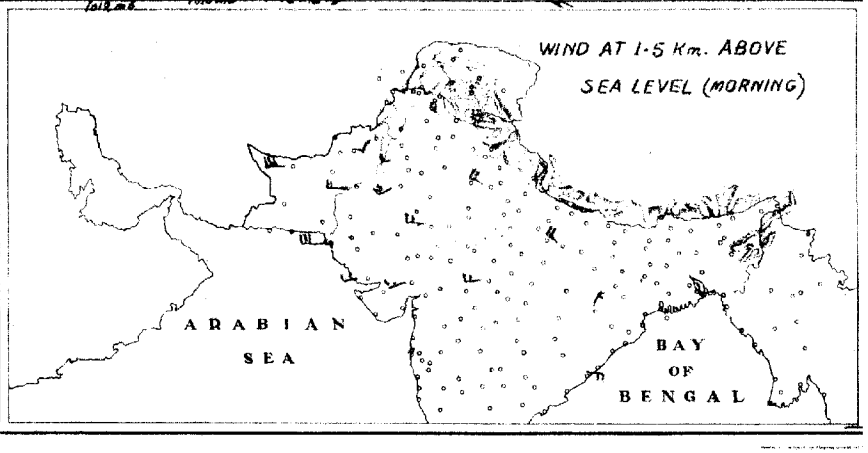
Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER REPORT

TUESDAY 4th OCTOBER 1949.



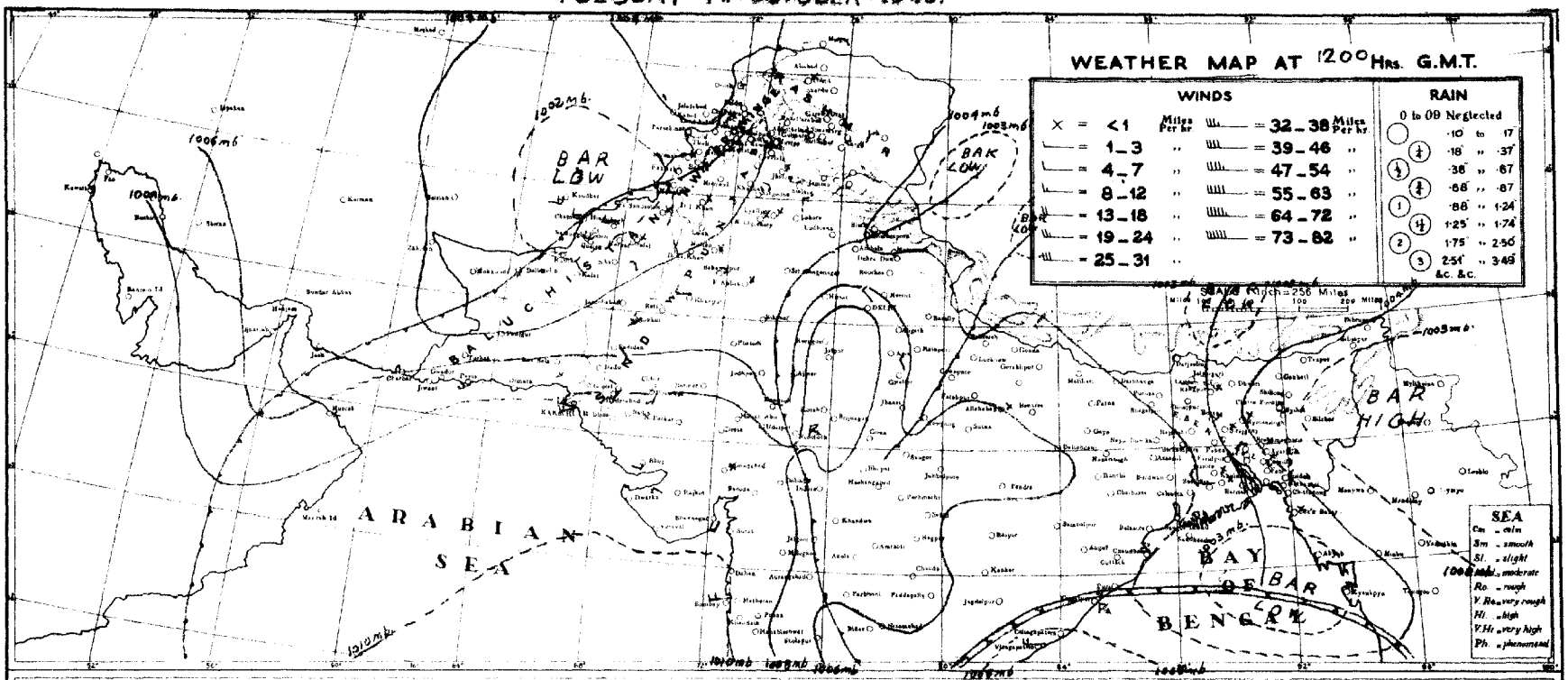


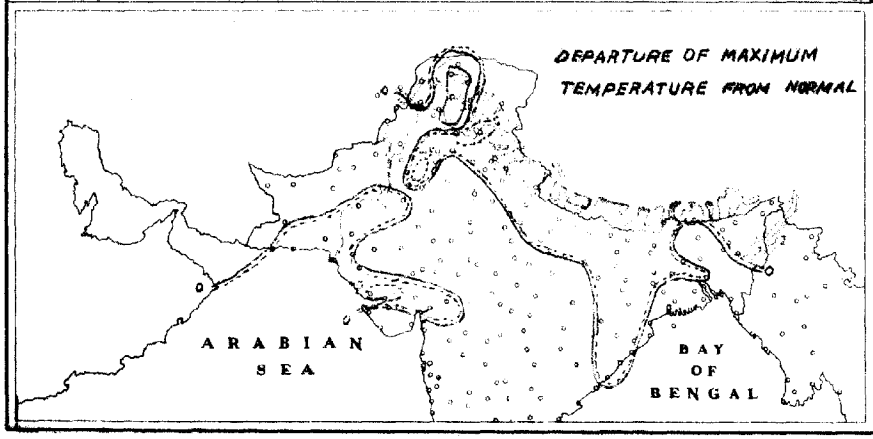


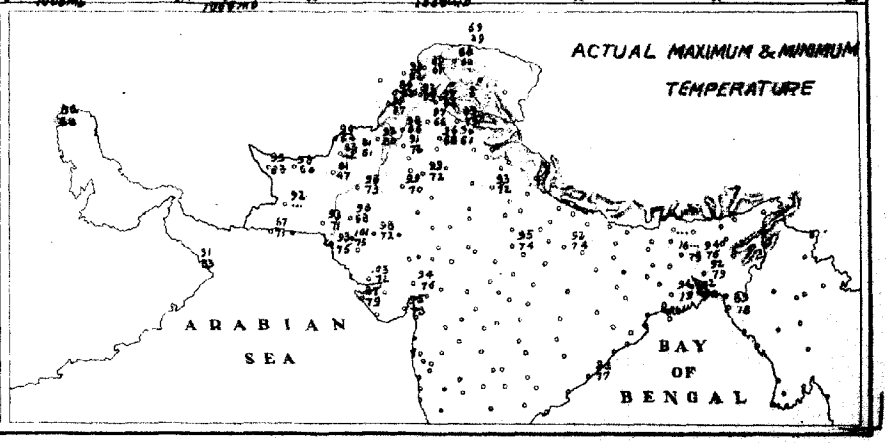
Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER REPORT

TUESDAY 4th OCTOBER 1949.



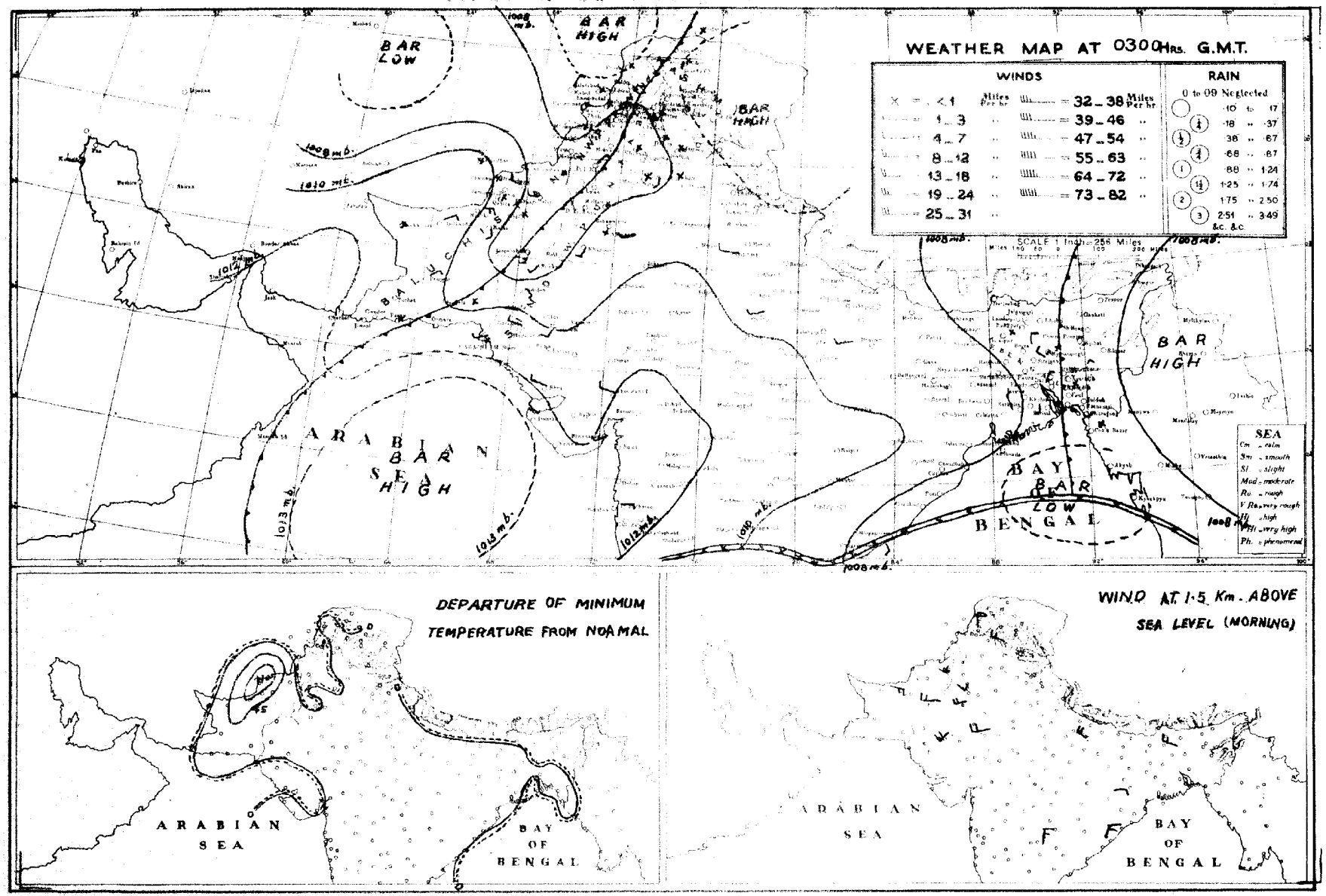




Rainfall amounts indicated in the above chart refer to past 9hours.

PAKISTAN DAILY WEATHER REPORT

WEDNESDAY 5th OCTOBER 1949.



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

Regd. No.....

WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G. M. T. on Wednesday, the 12th October, 1949.

——o:O:o——

SUMMARY OF WEATHER.

A trough appeared in the northeast Bay of Bengal on the 6th, intensified and developed into a deep depression on the 8th and crossed Orissa coast on the 9th, resulting in an influx of moist air into East Pakistan. Thunderstorm activity commenced over the Eastern sub-division on the 7th and extended over the whole region during the rest of the week. The noteworthy rainfall recorded was Comilla 4" on the 7th.

Dry weather prevailed over West Pakistan, throughout the week.

2. EAST PAKISTAN :—Local rainfall occurred on three 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 showers fell 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.

KASHMIR :—Data not available.

WEST PUNJAB :—Weather was dry.

NORTH-WEST FRONTIER PROVINCE :—Weather was mainly dry.

BALUCHISTAN :—Weather was dry.

SIND :—Weather was dry.

JUNAGADH :—Data not available.

3. The week's rainfall was normal in the Deltaic sub-division and deficient in the Eeastern and Northern sub-divisions of East Pakistan. Rainfall was scanty in the northwest Punjab and nil elsewhere.

Rainfall for the period from 1st June 1949 to date was in excess in the Sind and the Northern sub-division of East Pakistan. It was normal in the Eastern sub-division of East Pakistan and the northwest Punjab; While it was deficient elsewhere.

4. The table overleaf summarises the rainfall statistics for the 11 sub-divisions of Pakistan both for the week and for the period from 1st June 1949 to date.

KARACHI-11.
The 12th October, 1949.

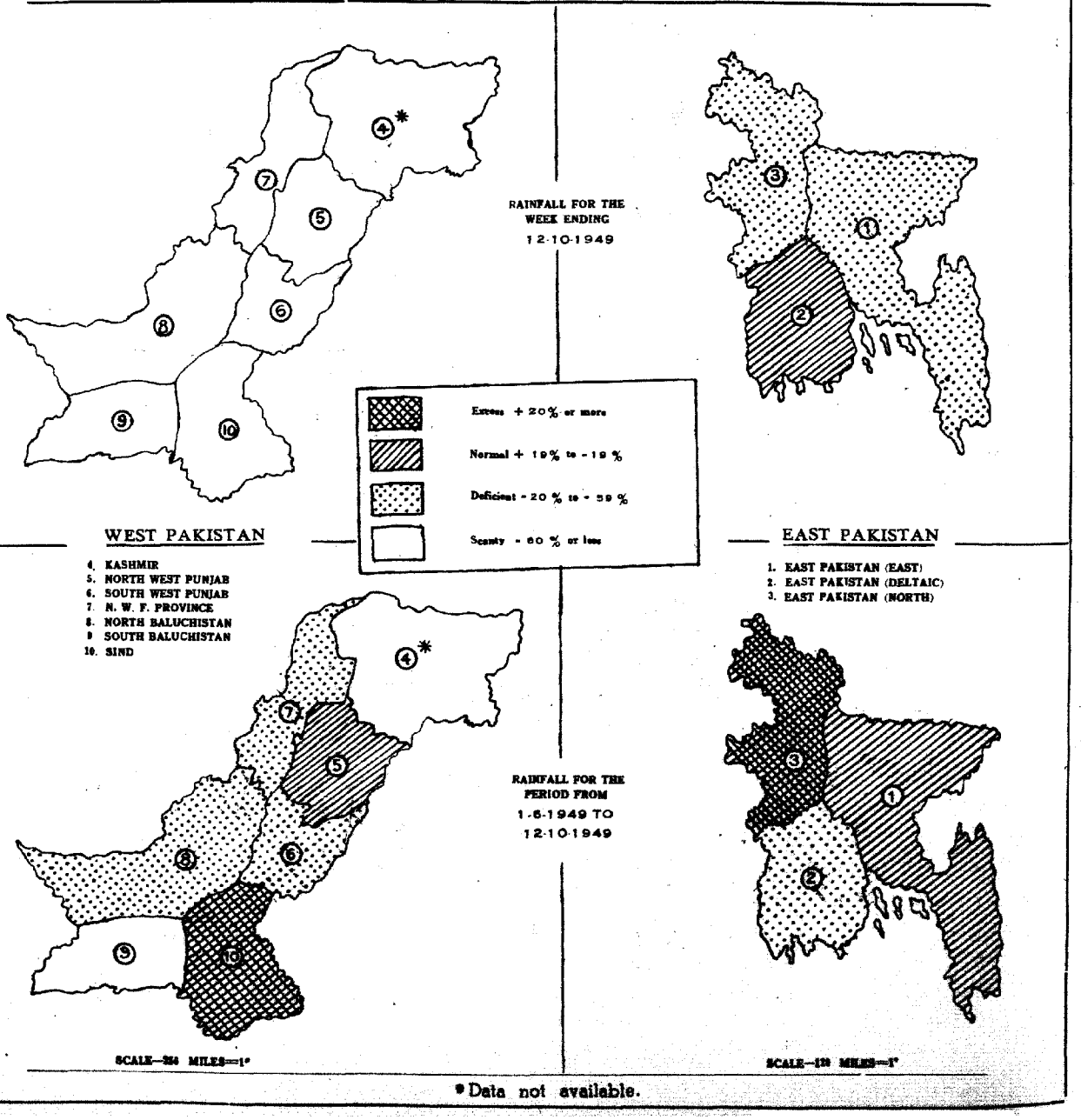
MOHAMMAD SHABBAR,
for Director, Meteorological Services.

WEEKLY WEATHER REPORT

Division	Rainfall for week ending on 12th October 1949.			Rainfall for period from 1-6-49. to 12th October 1949.			
	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)	1.2	1.5	−0.3	75.0	68.5	+ 6.5	+ 9
2. East Pakistan (Deltaic)	1.1	1.1	−0.1	39.1	50.5	−11.4	− 23
3. East Pakistan (North)	0.9	1.3	−0.3	65.9	50.0	+ 16.1	+33
4. Kashmir †	....	....	....	....	....	....	...
5. North West Punjab	0	0.1	−0.1	14.5	16.2	−1.7	− 11
6. South West Punjab	0	0	0	3.5	5.4	−1.9	− 35
7. N. W. F. P.	0	0	0	2.9	4.9	−2.1	− 42
8. North Baluchistan	0	0	0	2.2	2.8	−0.6	− 21
9. South Baluchistan	0	0	0	0.5	1.0	−0.4	− 45
10. Sind	0	0	0	7.4	5.4	+ 2.0	+38
11. Junagadh †	...	....	....	...	....	...	....

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

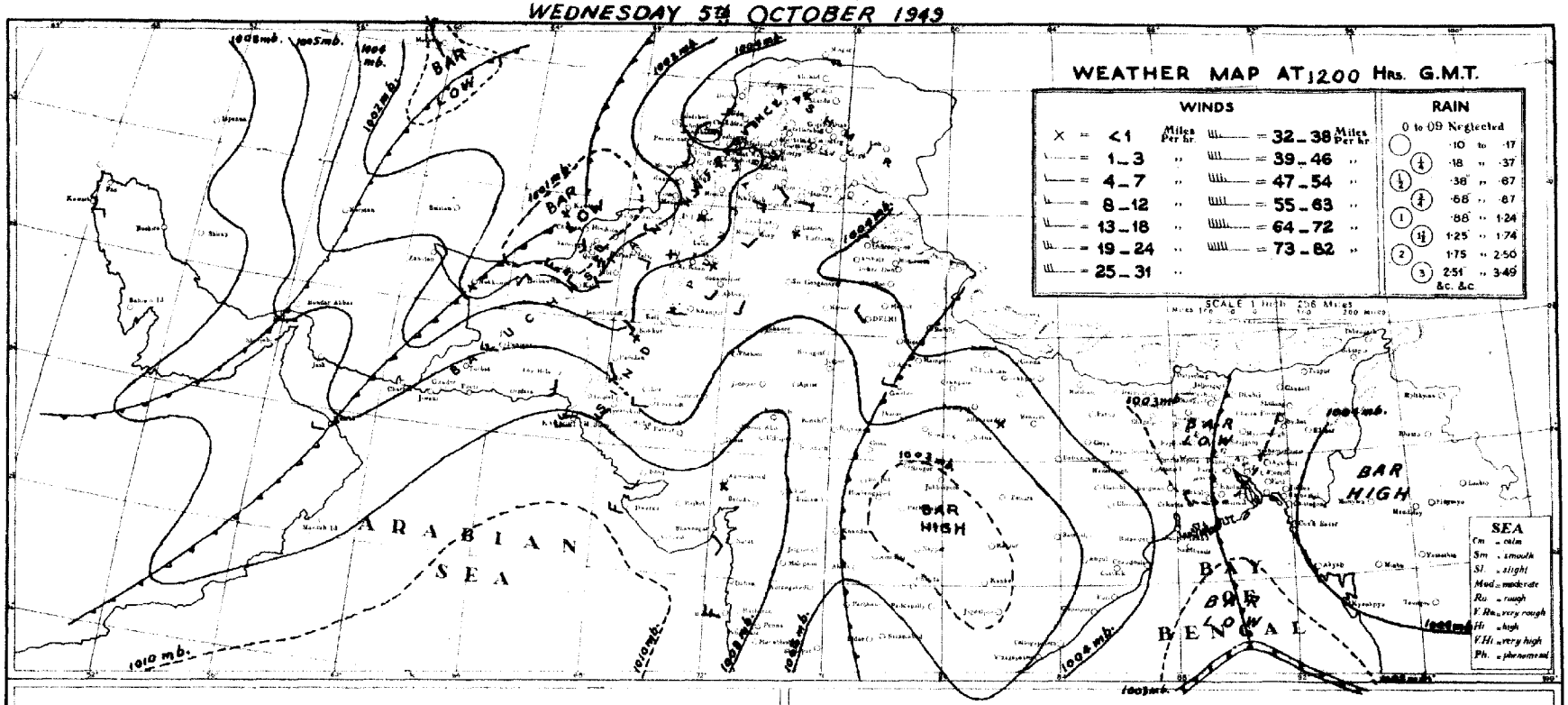
† Data not available. †† Rainfall for stations having no normals is not included.

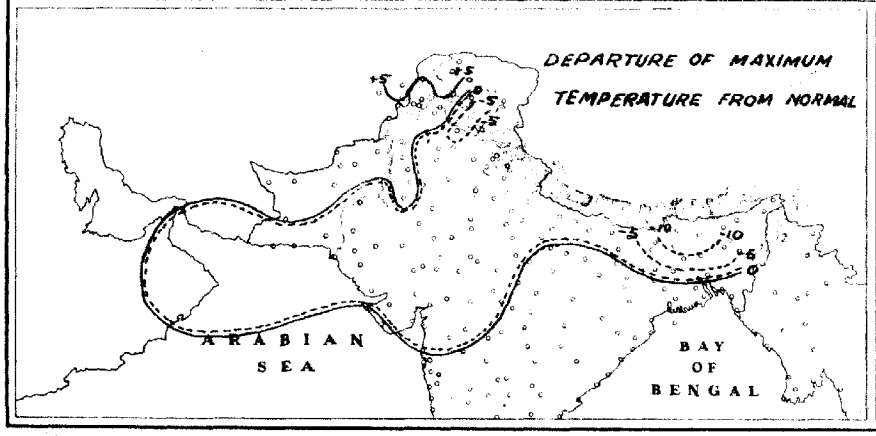


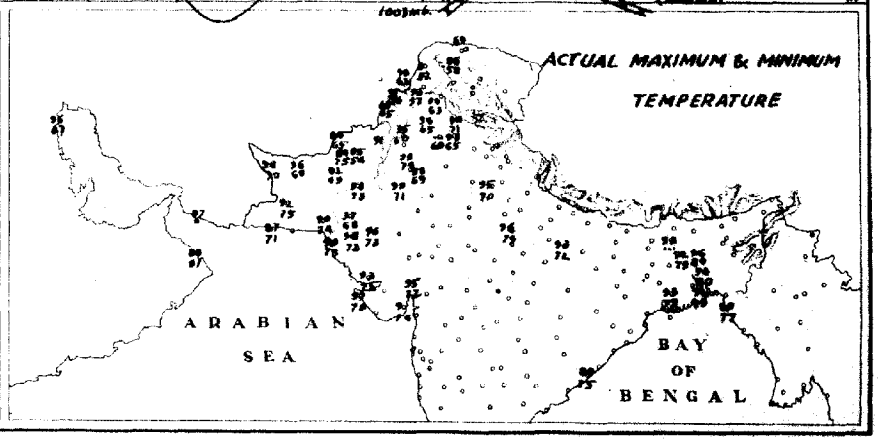
* Data not available.

PAKISTAN DAILY WEATHER REPORT

WEDNESDAY 5th OCTOBER 1949



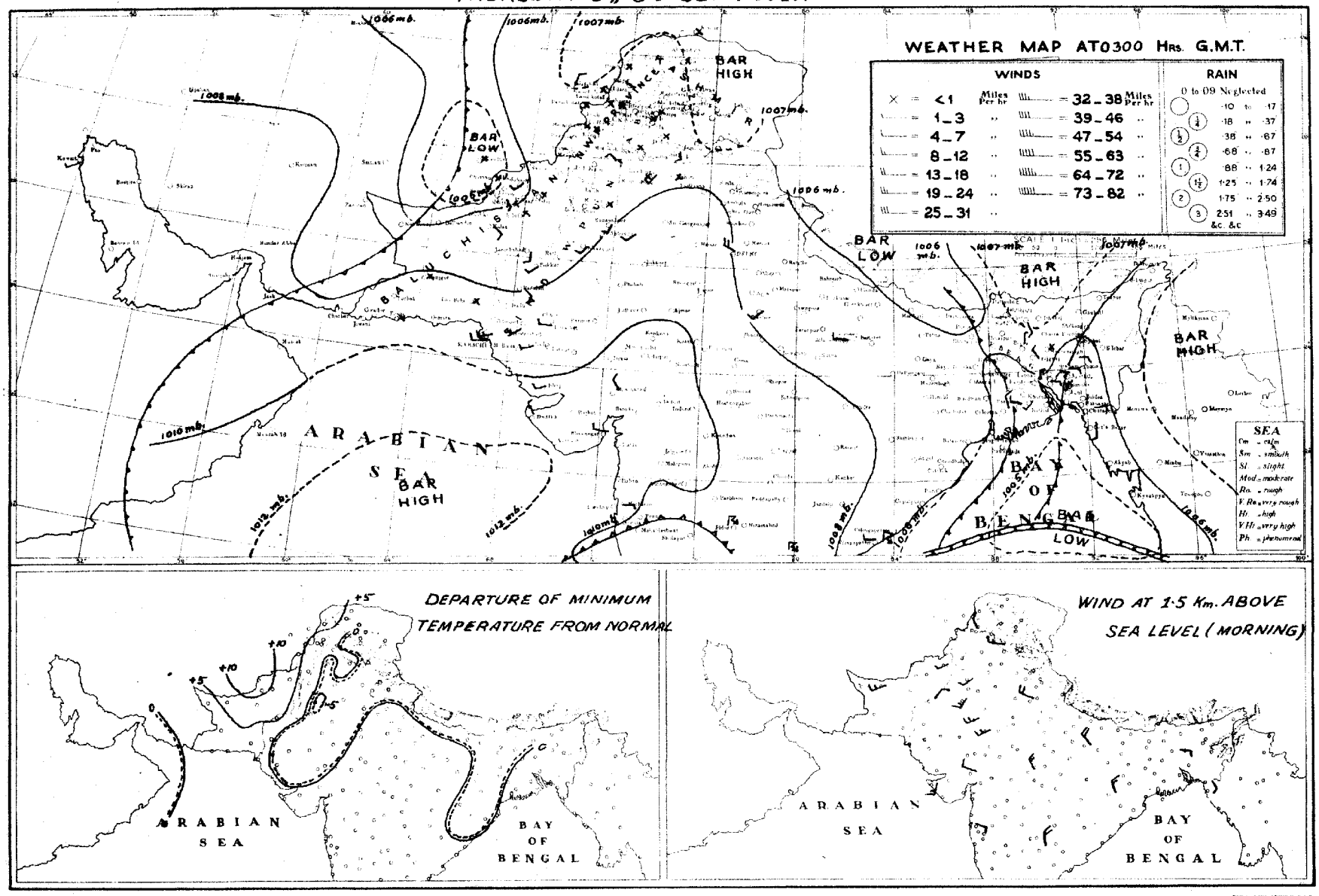




Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER REPORT

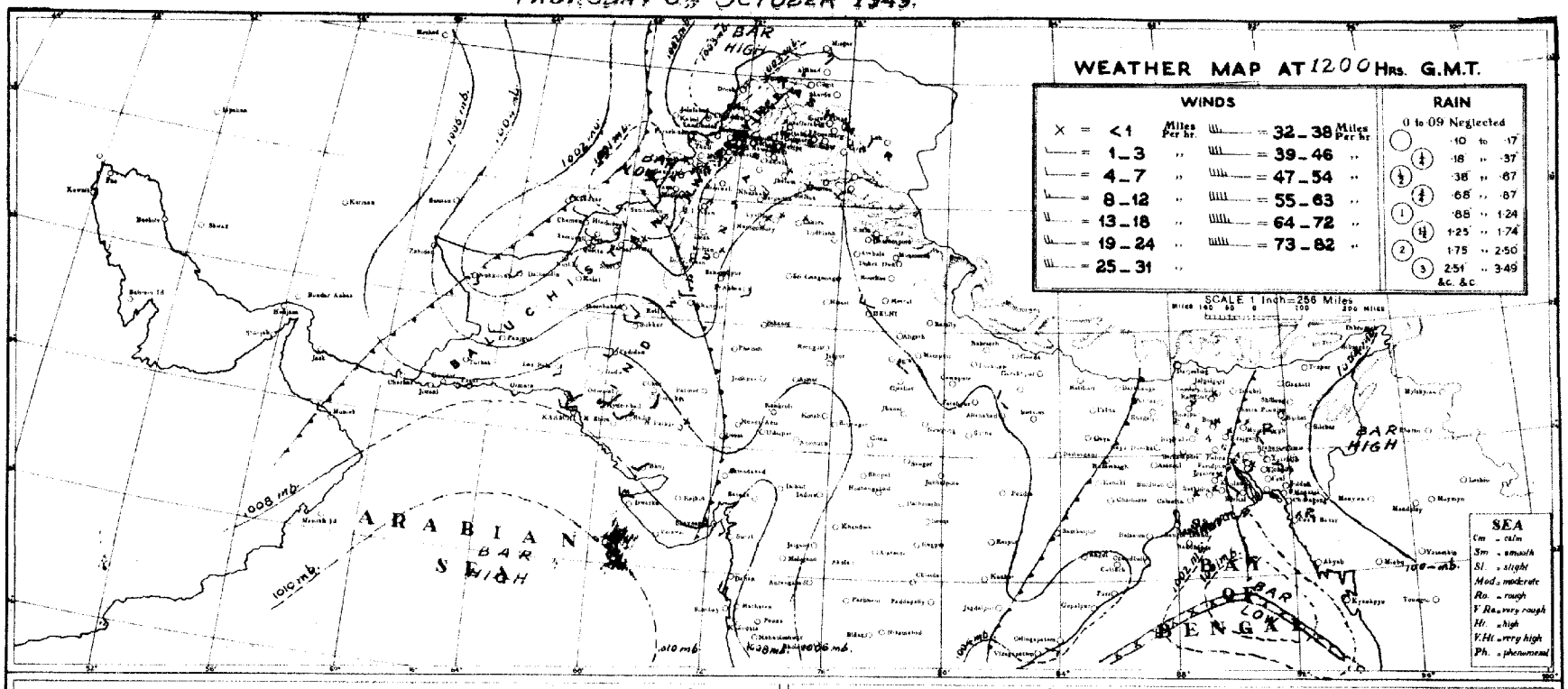
THURSDAY 6th OCTOBER 1949.

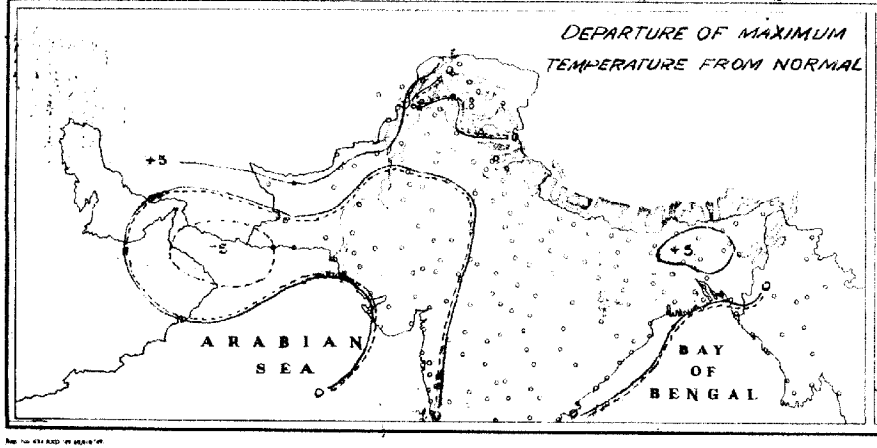


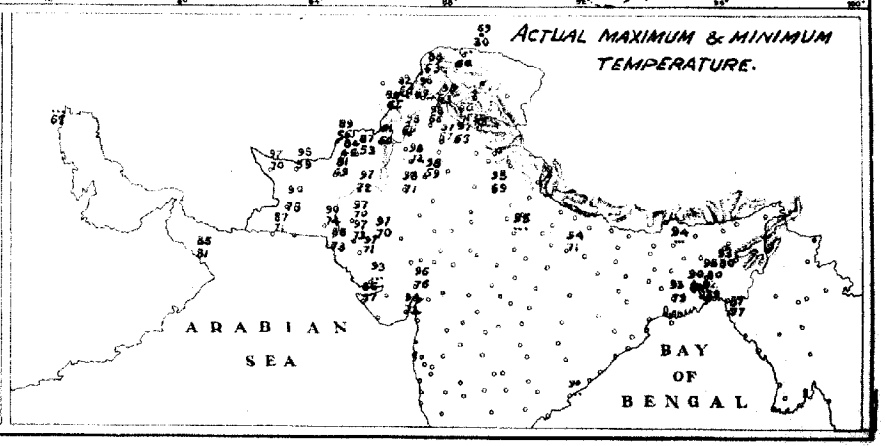
Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER REPORT

THURSDAY 6th OCTOBER 1949.



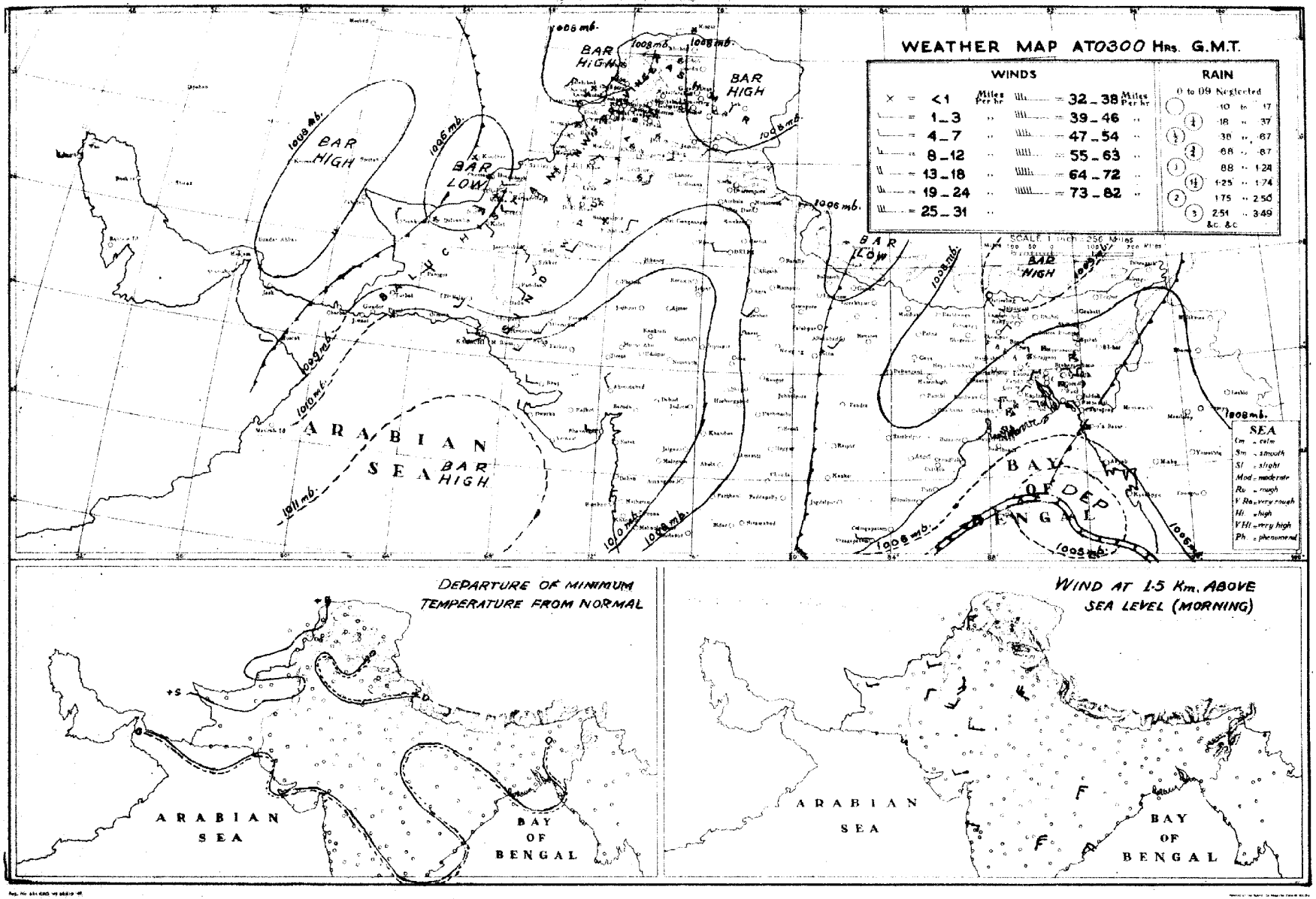




Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER REPORT

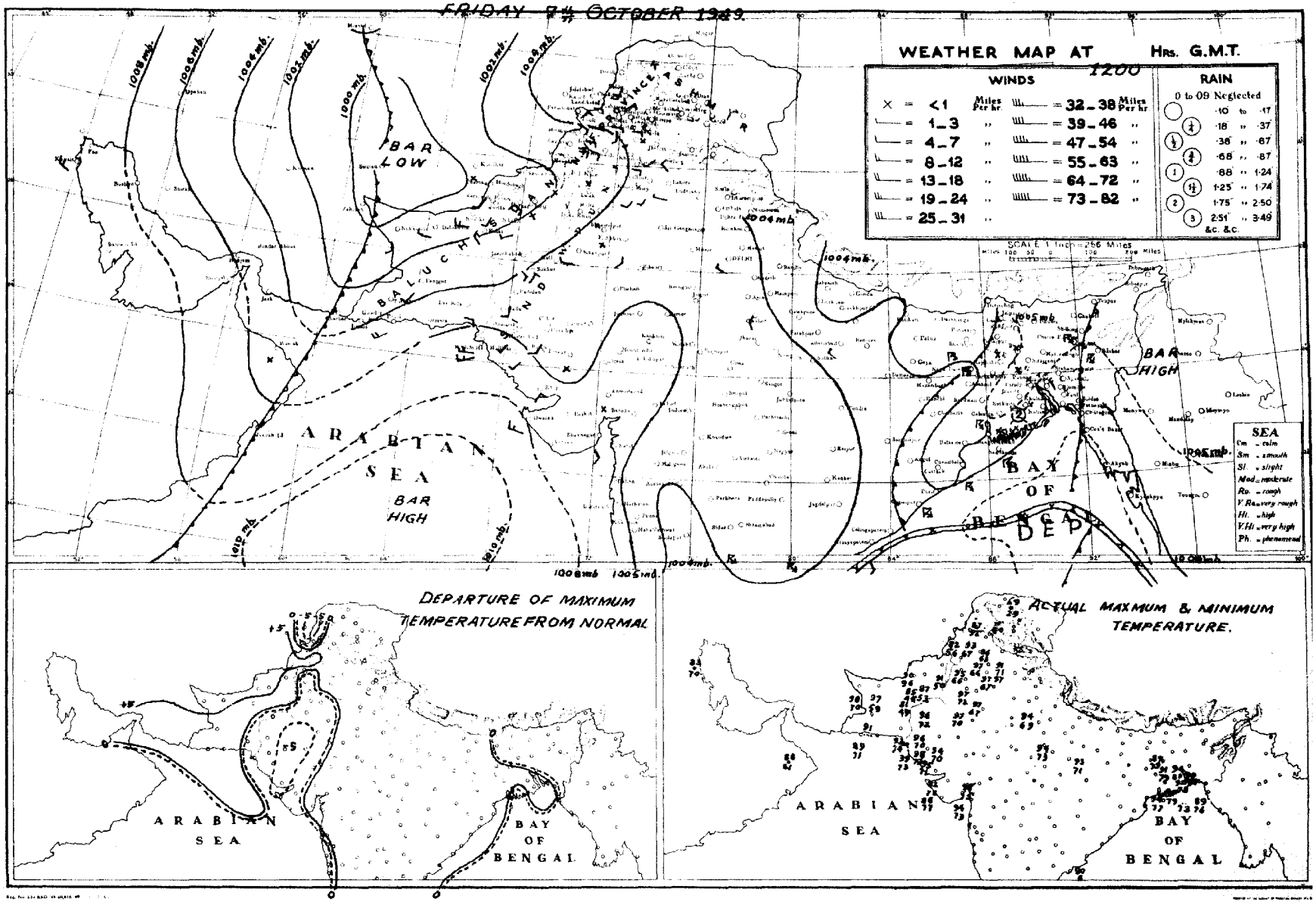
FRIDAY 7th OCTOBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

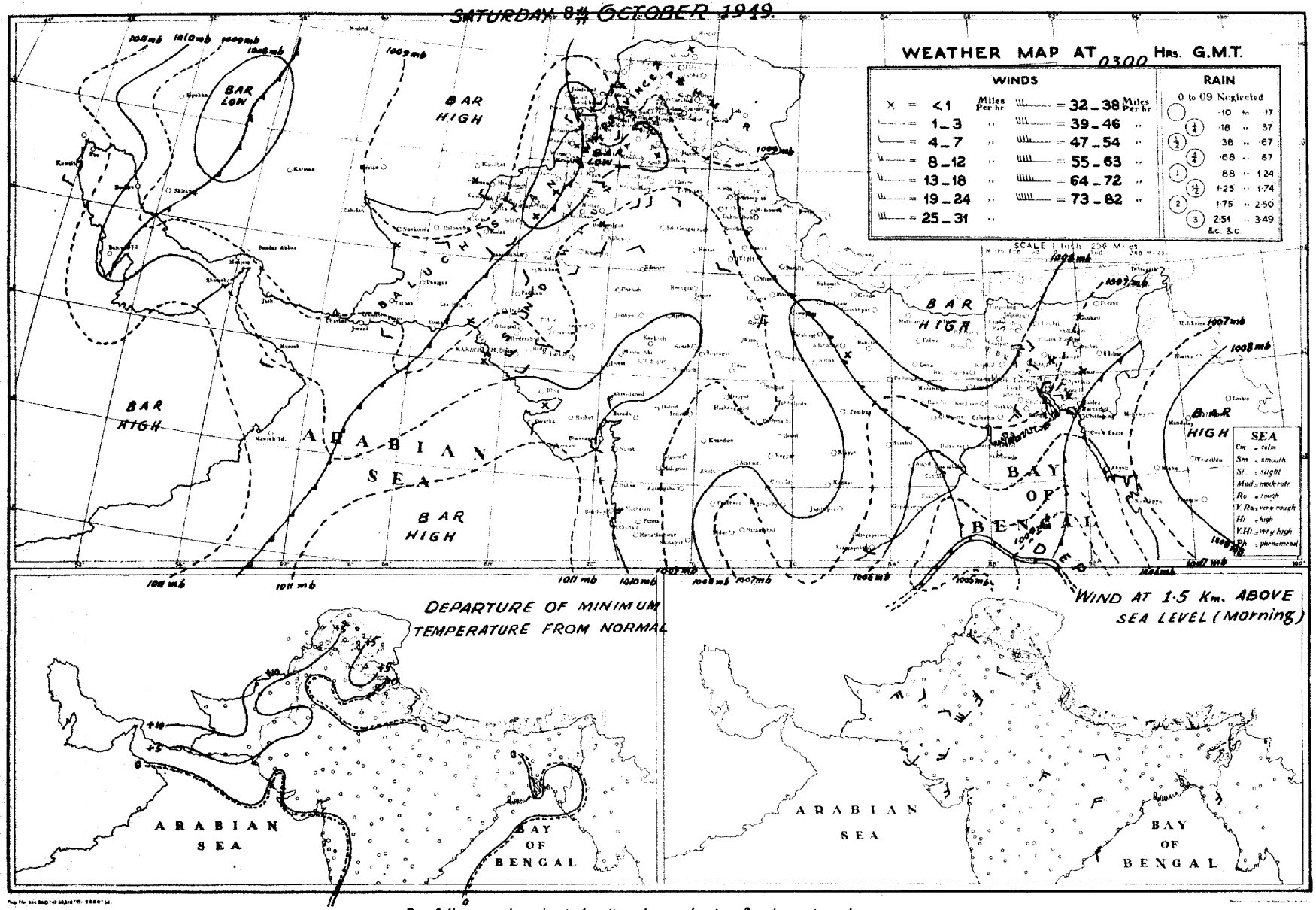
FRIDAY 24 OCTOBER 1919.



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

PAKISTAN DAILY WEATHER REPORT

SATURDAY 8th/11 OCTOBER 1949.



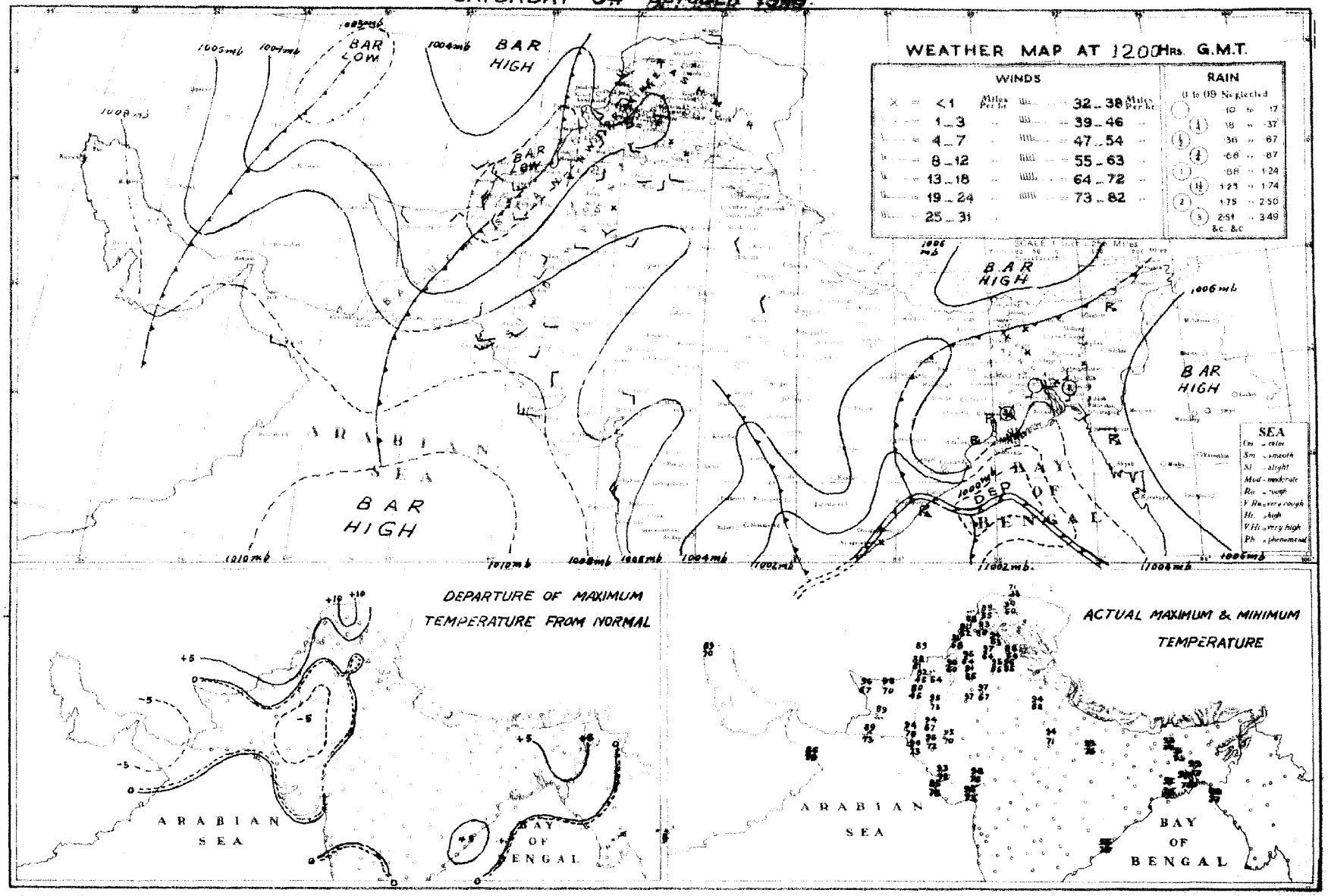
DEPARTURE OF MINIMUM TEMPERATURE FROM NORMAL

WIND AT 1·5 Km. ABOVE SEA LEVEL (Morning)

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

PAKISTAN DAILY WEATHER REPORT

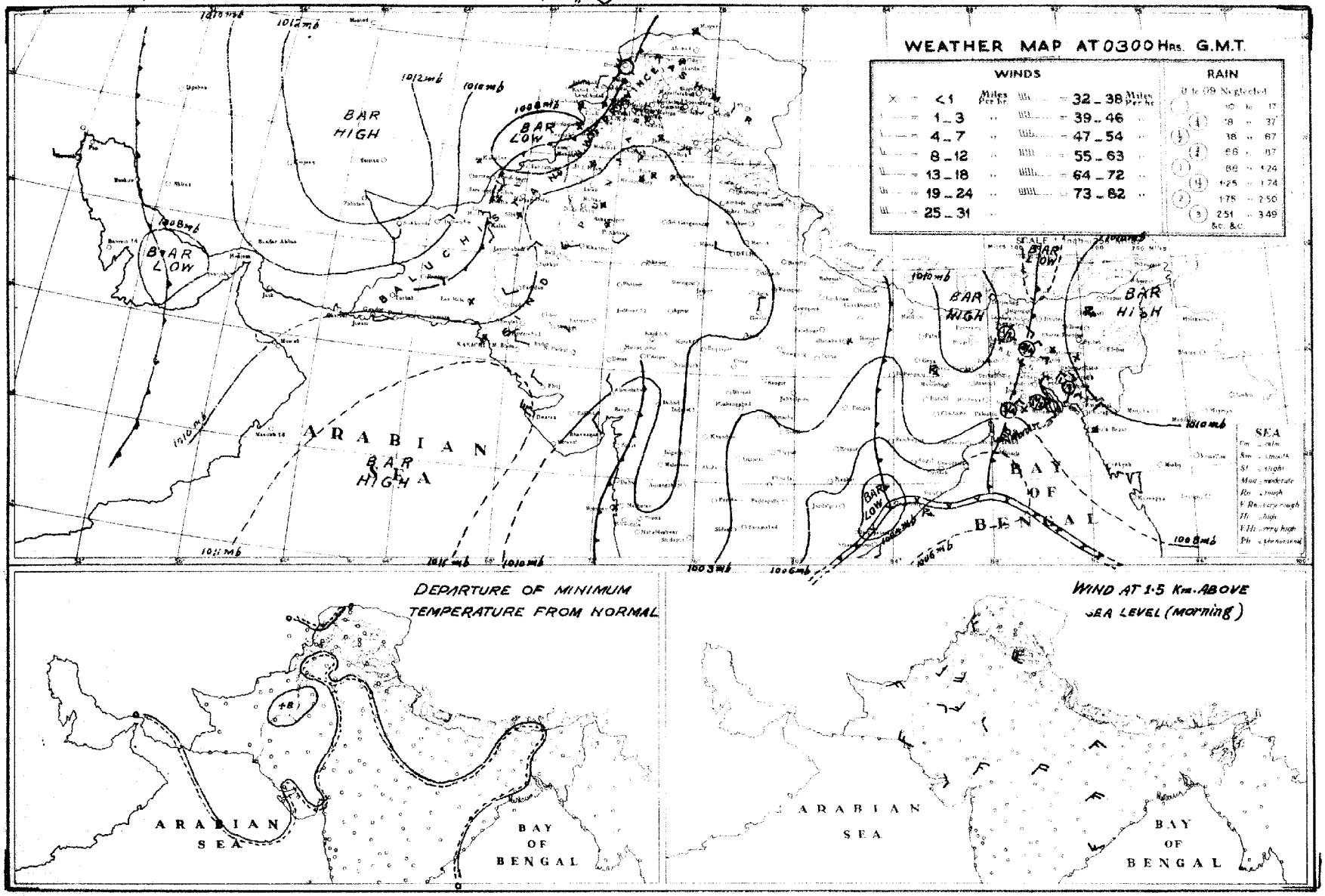
SATURDAY 8th OCTOBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

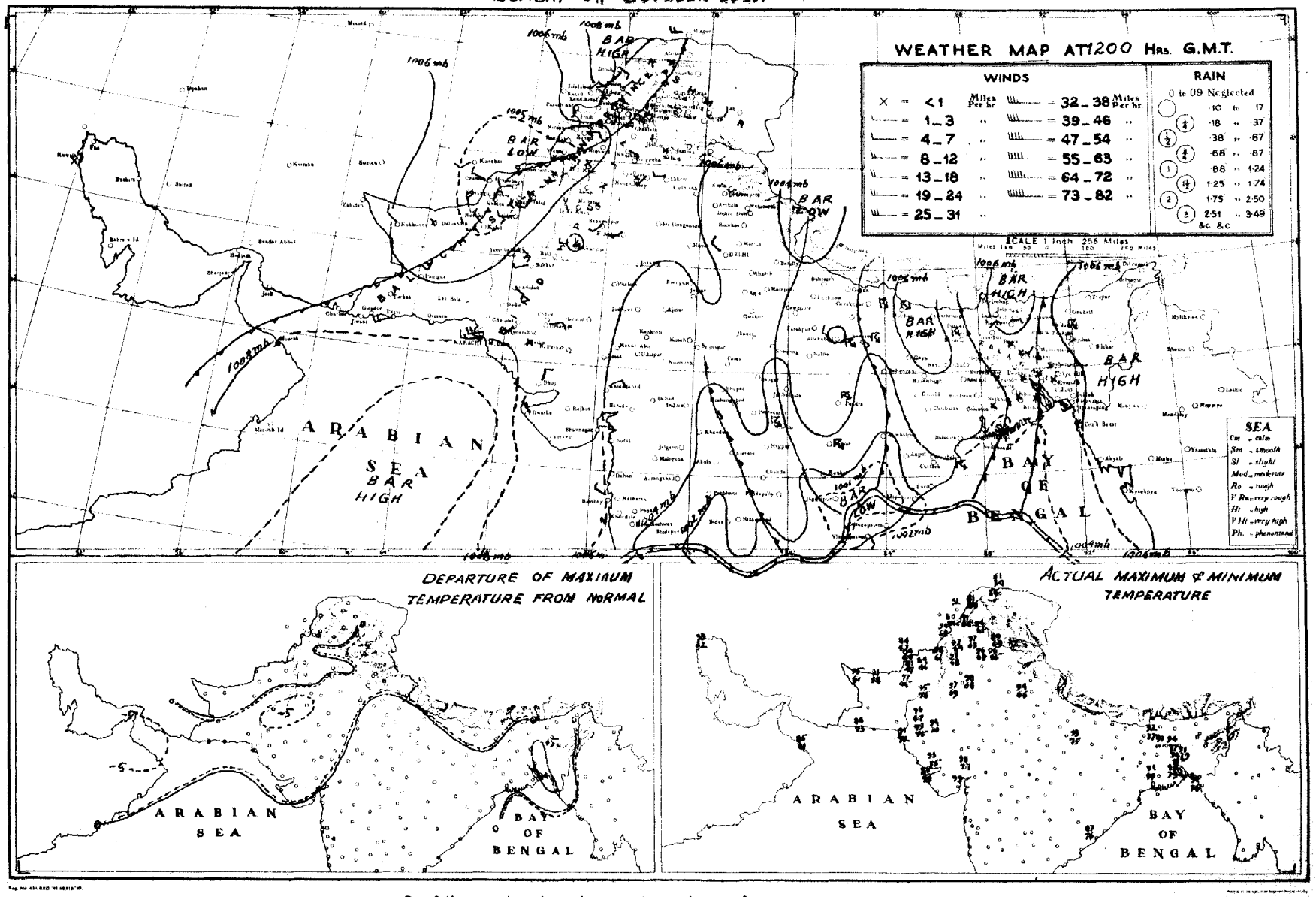
SUNDAY 9th OCTOBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

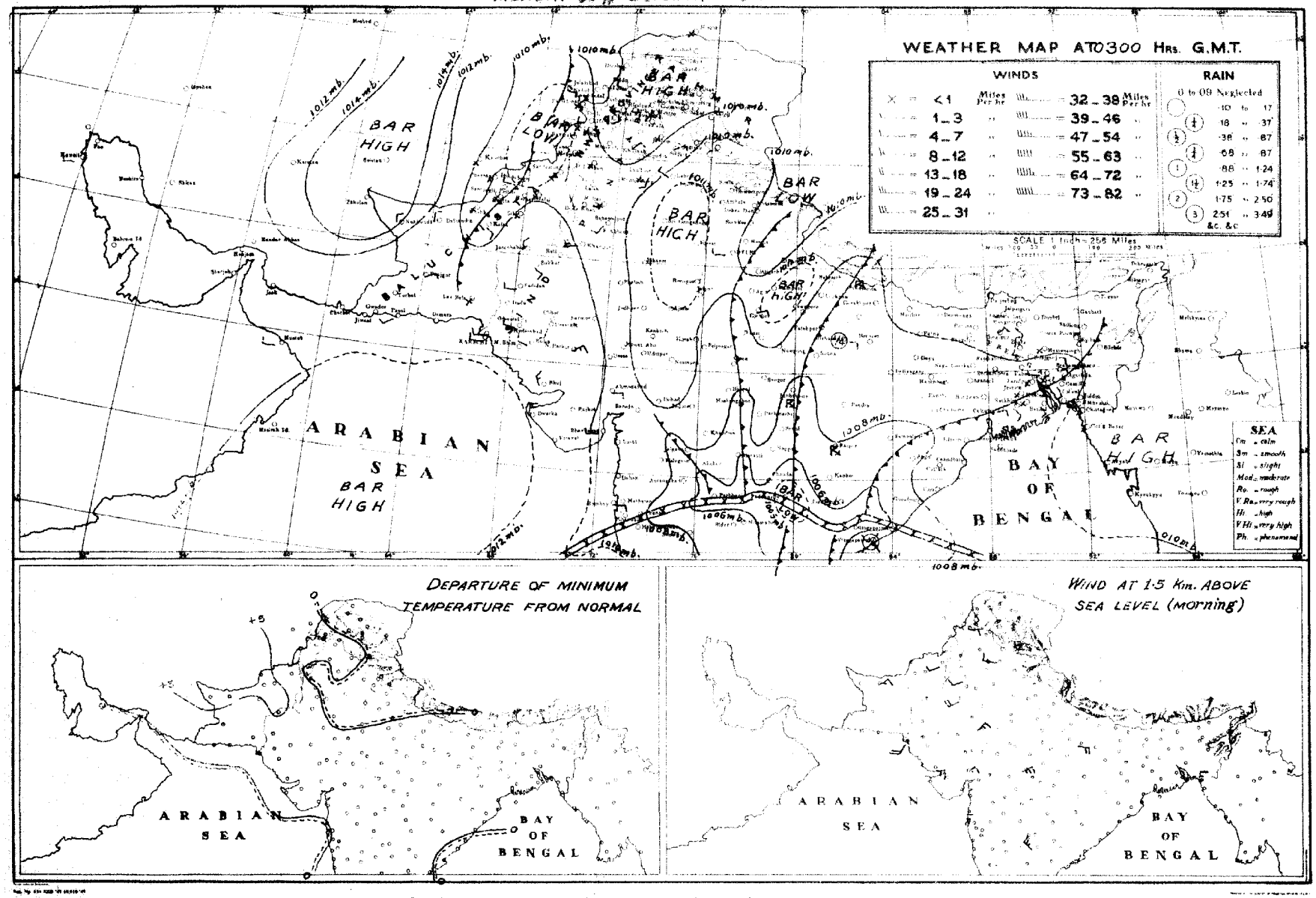
SUNDAY 9th OCTOBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

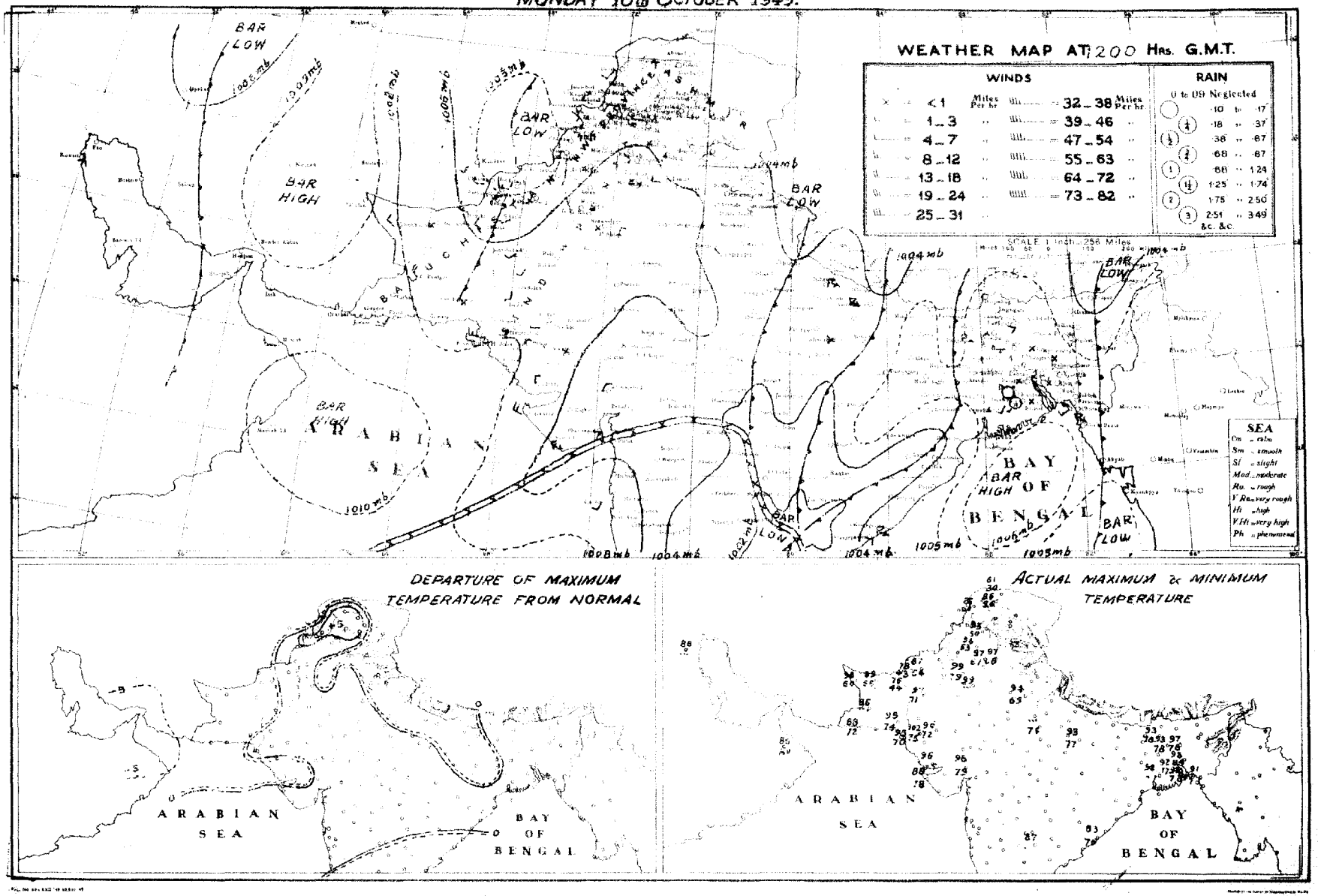
MONDAY 10th OCTOBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

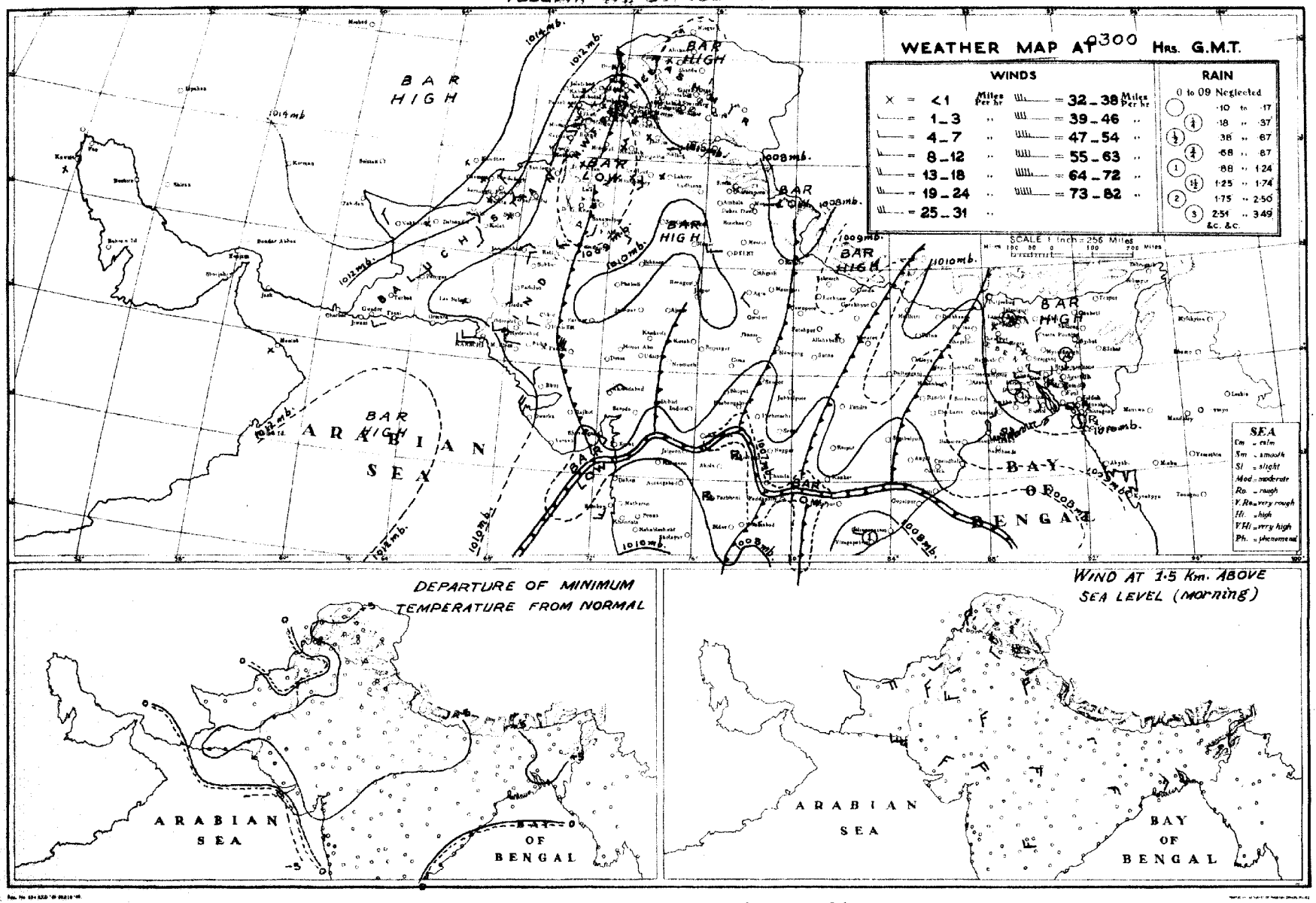
MONDAY 10th OCTOBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

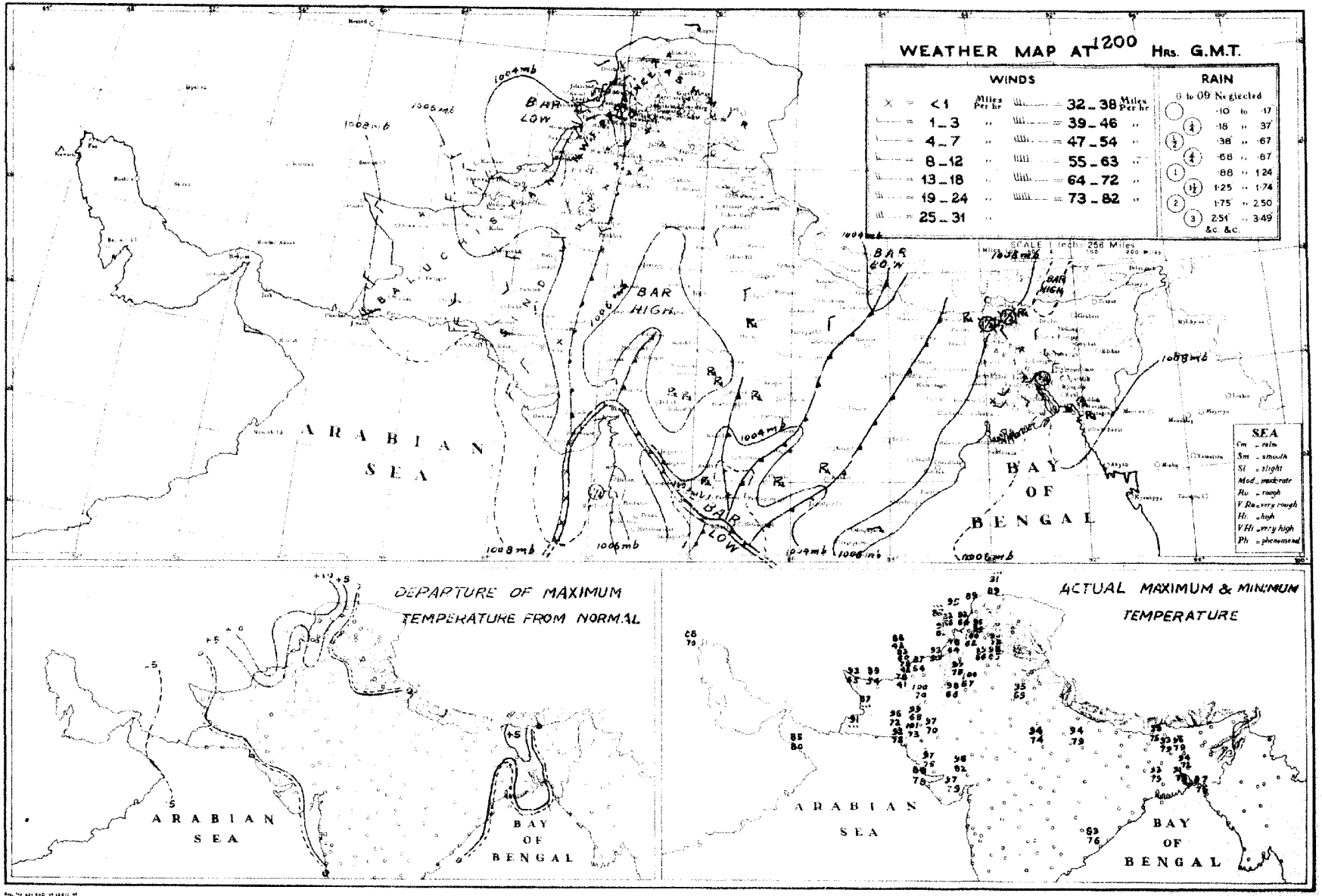
TUESDAY 11th OCTOBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

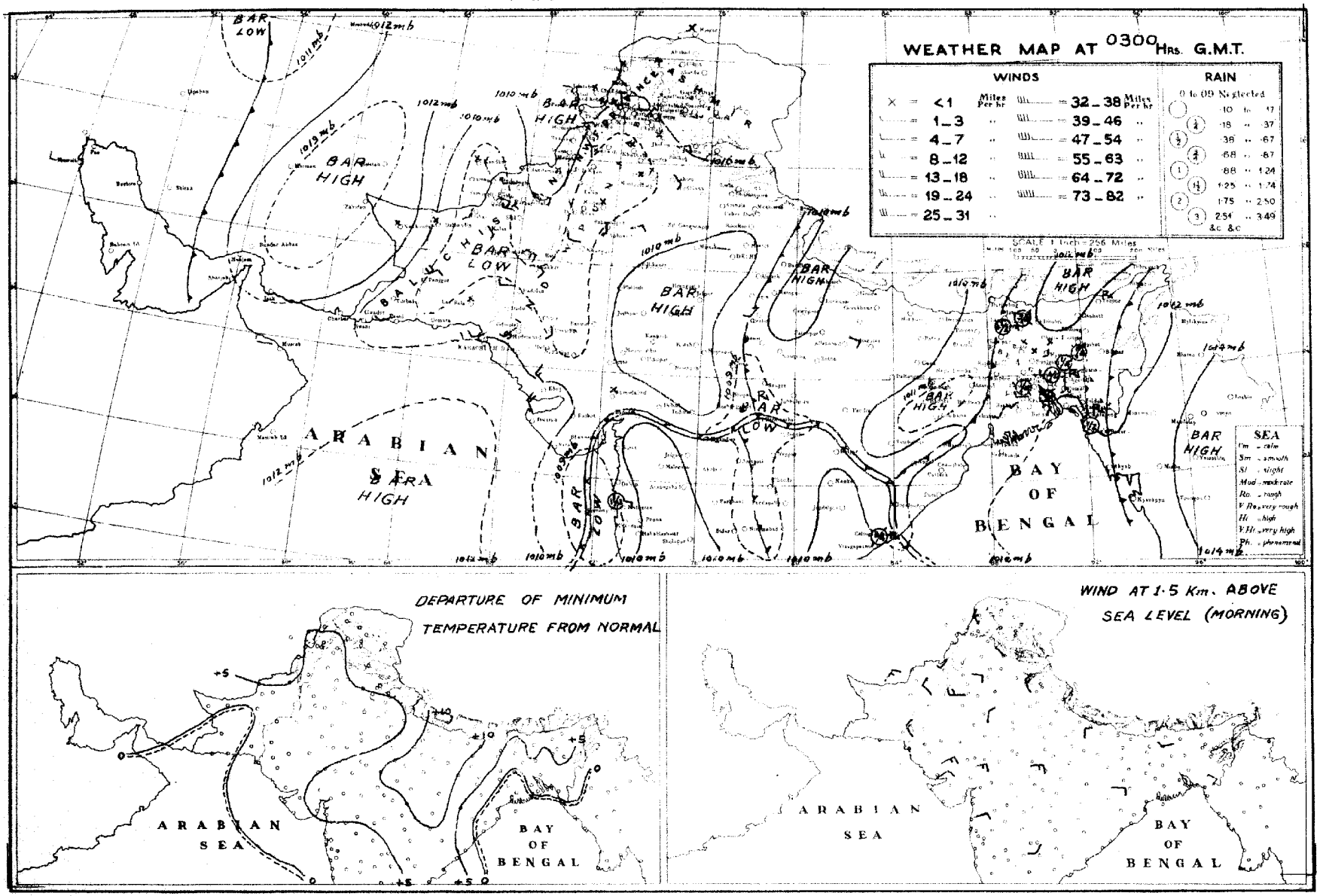
TUESDAY 11th OCTOBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

WEDNESDAY 12th OCTOBER 1949.



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

Regd. No.....

WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G. M. T. on Wednesday, the 19th October, 1949.

——o:O:o——

SUMMARY OF WEATHER.

Pronounced thunderstorm activity continued throughout the week in East Pakistan due to the continuous penetration of maritime air into the region.

Western disturbances moving northeastwards across Russian Turkistan, caused isolated thundershowers over the extreme north of West Pakistan during the period 15th to 19th.

Chief amounts of rainfall during the week were:—Comilla 3" on the 13th; Brahmanbaria 2" on the 17th; Khulna and Narayanganj 2" each on the 18th and Mymensingh 3" on the 19th.

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

KASHMIR:—Data not available.

WEST PUNJAB:—Except for a few showers over the hills, weather was dry over the plains.

NORTH-WEST FRONTIER PROVINCE:—A few showers occurred over the hills from 15th to 19th.

BALUCHISTAN:—Weather remained dry.

SIND:—Weather remained dry.

JUNAGADH:—Data not available.

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

Rainfall for the period from 1st June 1949 to date was in excess in Sind and the Northern sub-division of East Pakistan. It was normal in the Eastern sub-divisions of East Pakistan and the northwest Punjab. Rainfall was deficient elsewhere.

4 The table overleaf summarises the rainfall statistics for the 11 sub-divisions of Pakistan both for the week and for the period from 1st June 1949 to date.

KARACHI-11.
The 19th October, 1949.

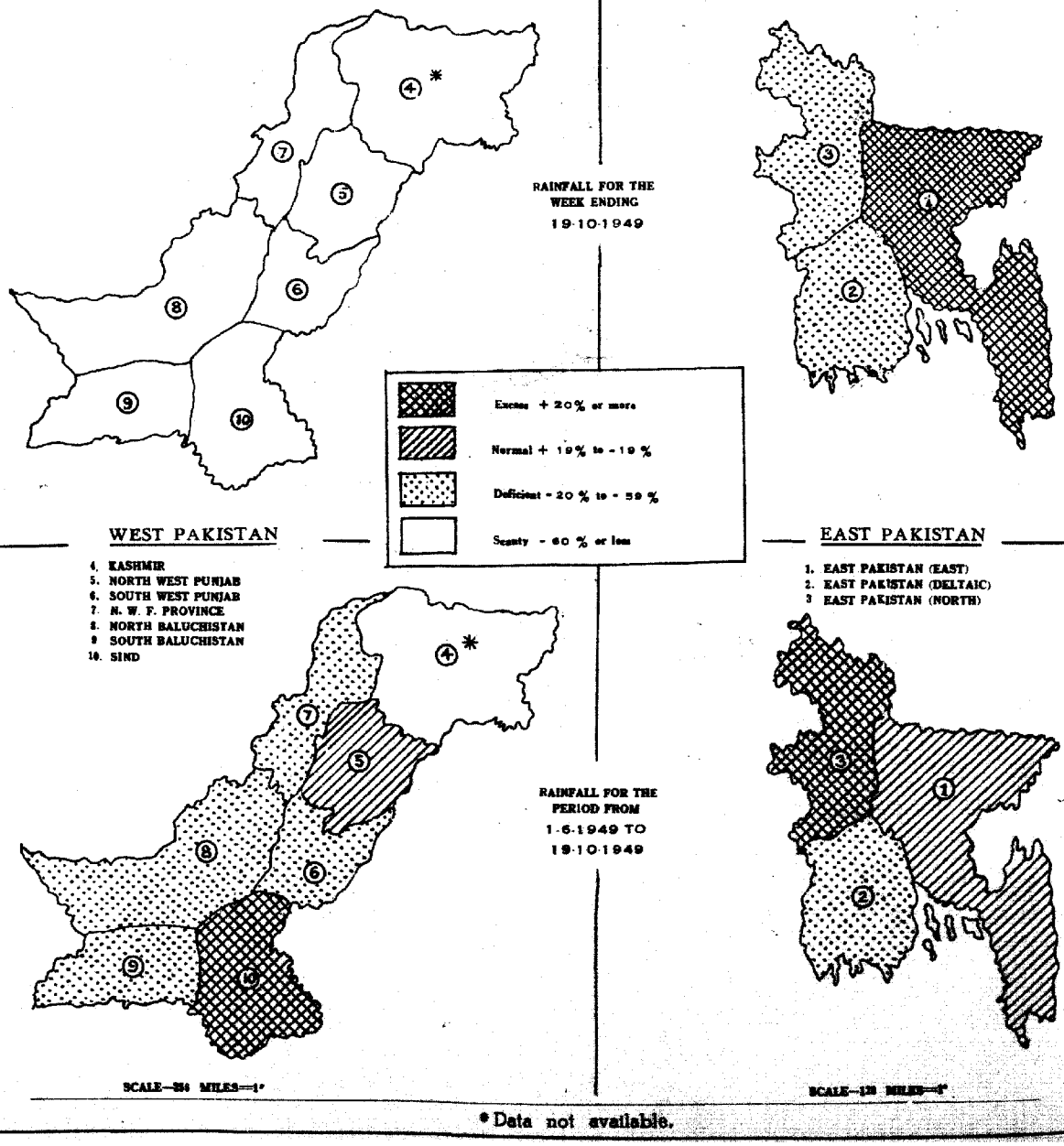
MOHAMMAD SHABBAR,
for Director, Meteorological Services.

WEEKLY WEATHER REPORT

Division	Rainfall for week ending on 19th October 1949.			Rainfall for period from 1-6-49 to 19th October 1949.			
	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	+ 1.3	77.8	70.0	+ 7.7	+11
2. East Pakistan (Deltaic)	1.3	1.6	− 0.3	40.4	52.1	− 11.7	− 23
3. East Pakistan (North)	1.3	1.9	− 0.7	67.1	51.7	+ 15.5	+30
4. Kashmir †	....	....	....	....	....	....	...
5. North West Punjab	0	0.1	− 0.1	14.5	16.3	− 1.8	− 11
6. South West Punjab	0	0.1	− 0.1	3.5	5.5	− 2.0	− 37
7. N. W. F. P.	0	0.1	− 0.1	2.9	5.0	− 2.1	− 42
8. North Baluchistan	0	0	0	2.2	2.9	− 0.6	− 22
9. South Baluchistan	0	0	0	0.5	1.0	− 0.4	− 45
10. Sind	0	0	0	7.4	5.4	+ 2.0	+37
11. Junagadh †	...	....	....	...	....		...

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

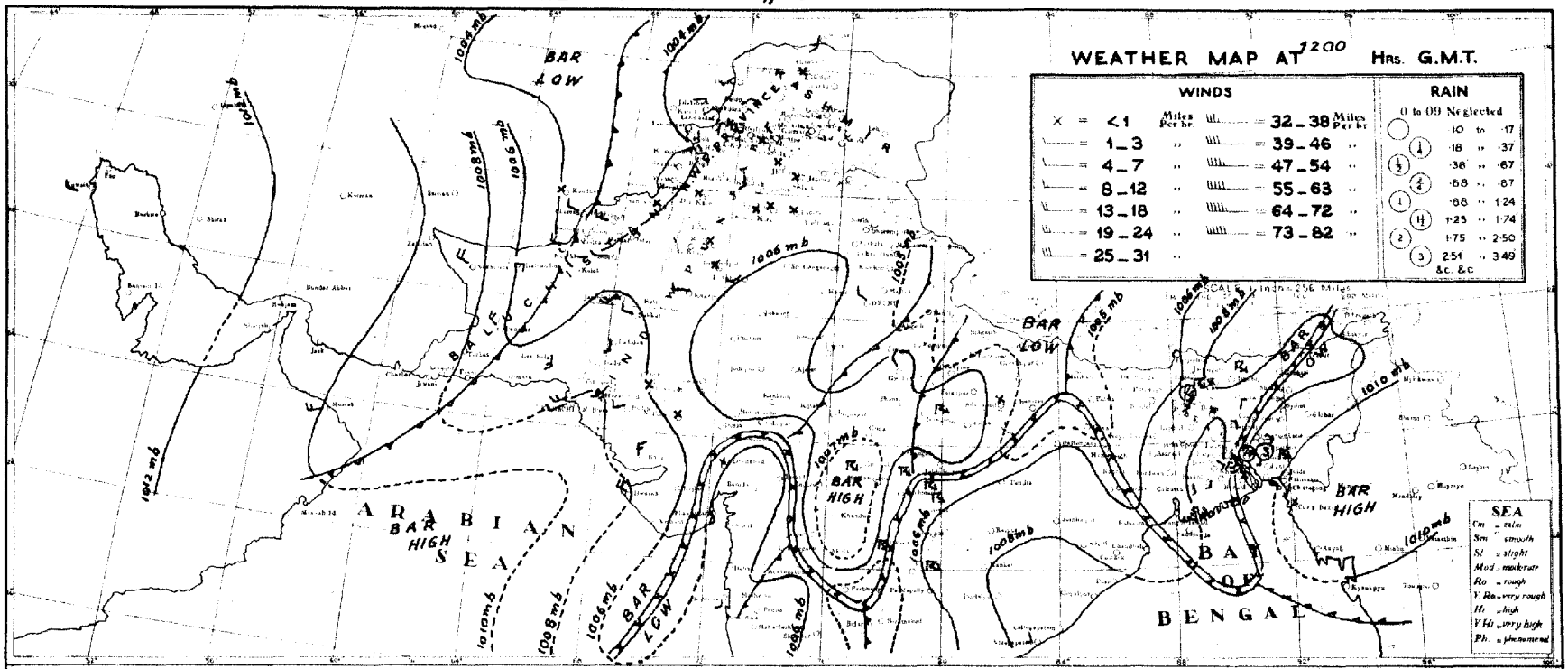
† Data not available. †† Rainfall for stations having no normals is not included.



* Data not available.

PAKISTAN DAILY WEATHER REPORT

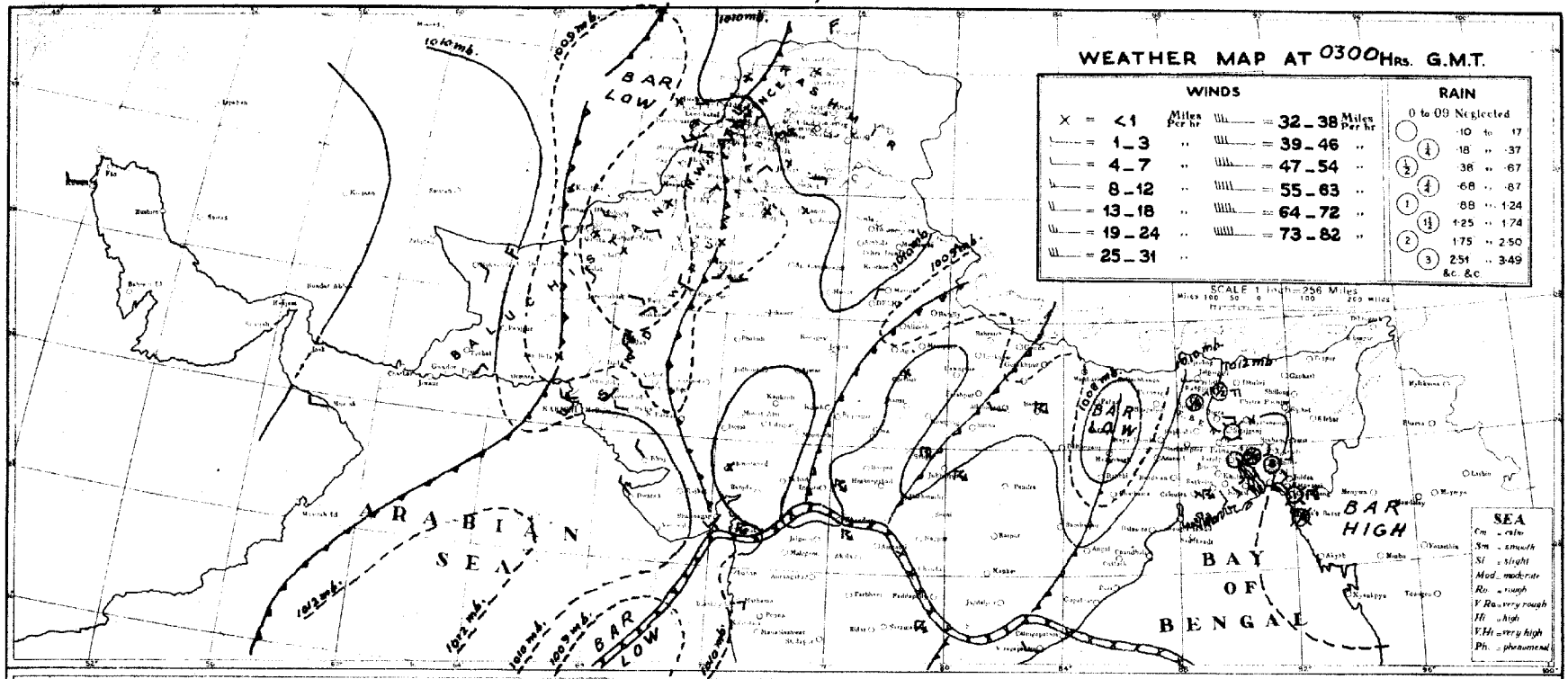
WEDNESDAY 12 TH OCTOBER 1949.

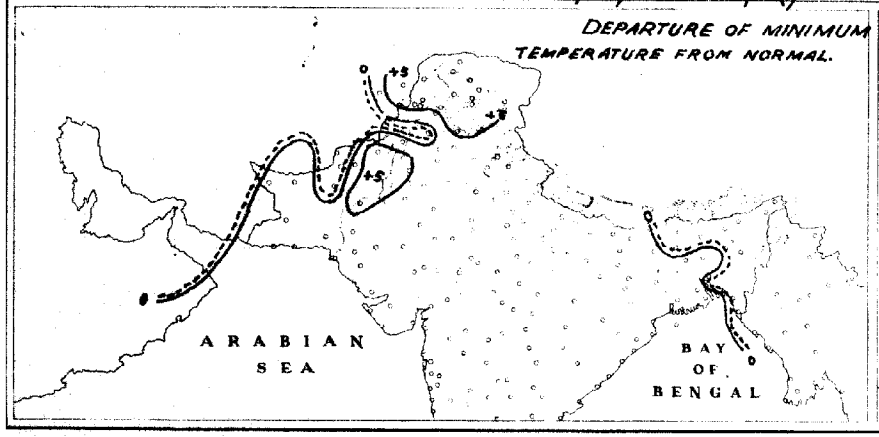


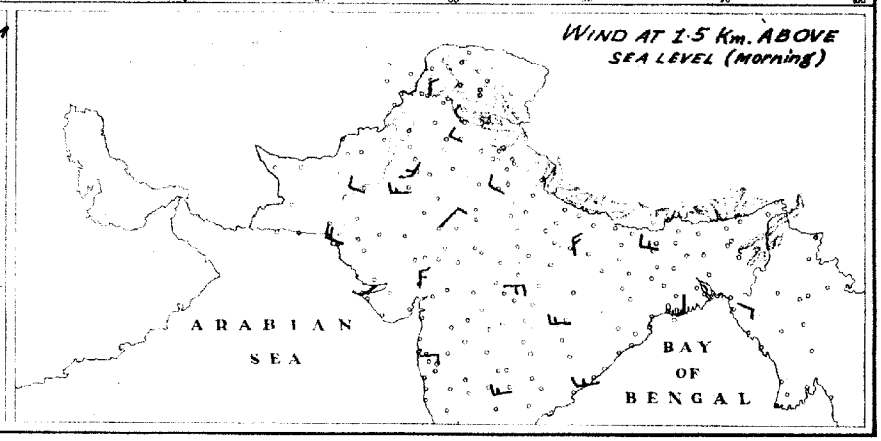
Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER REPORT

THURSDAY 13th OCTOBER 1949.



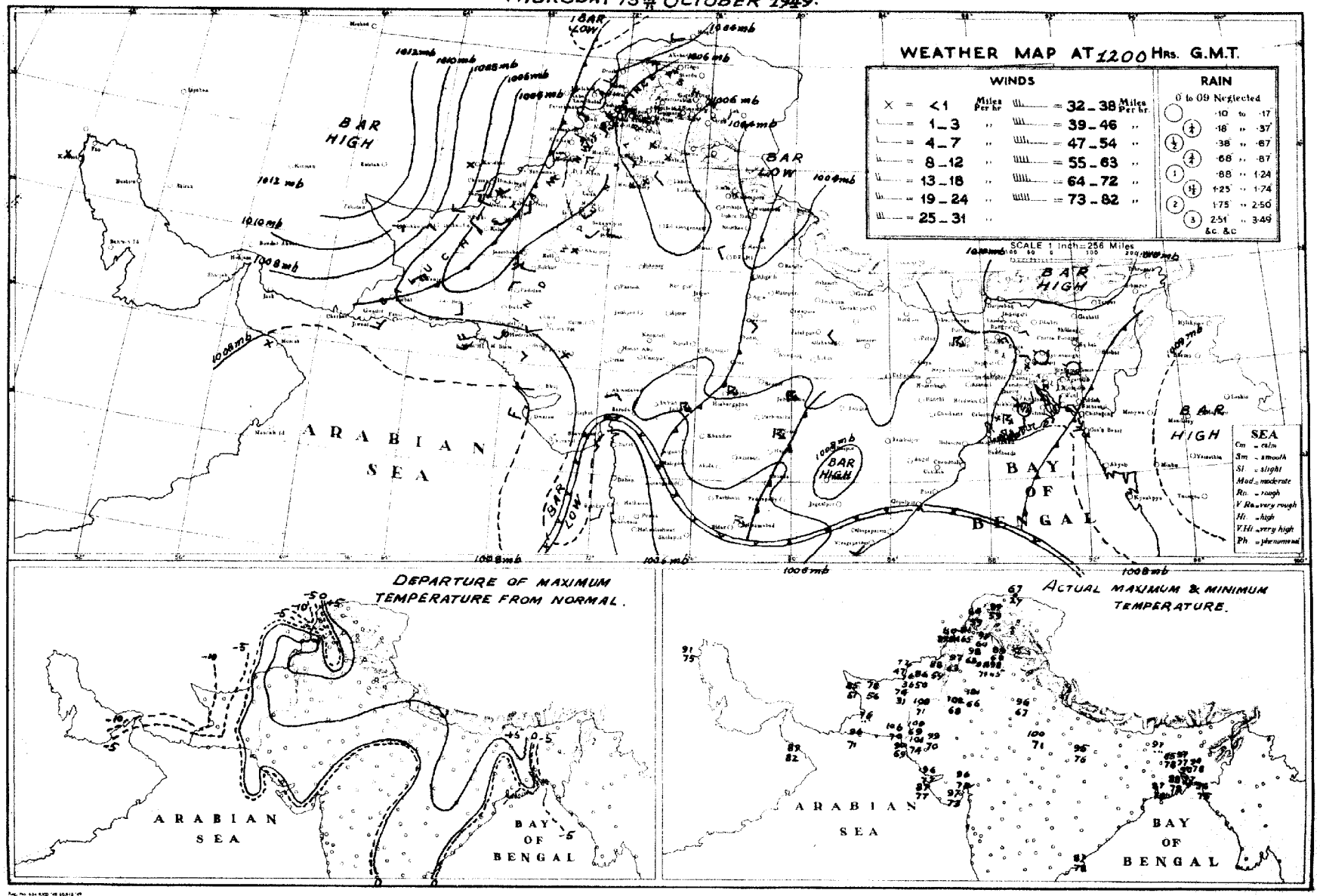




Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER REPORT

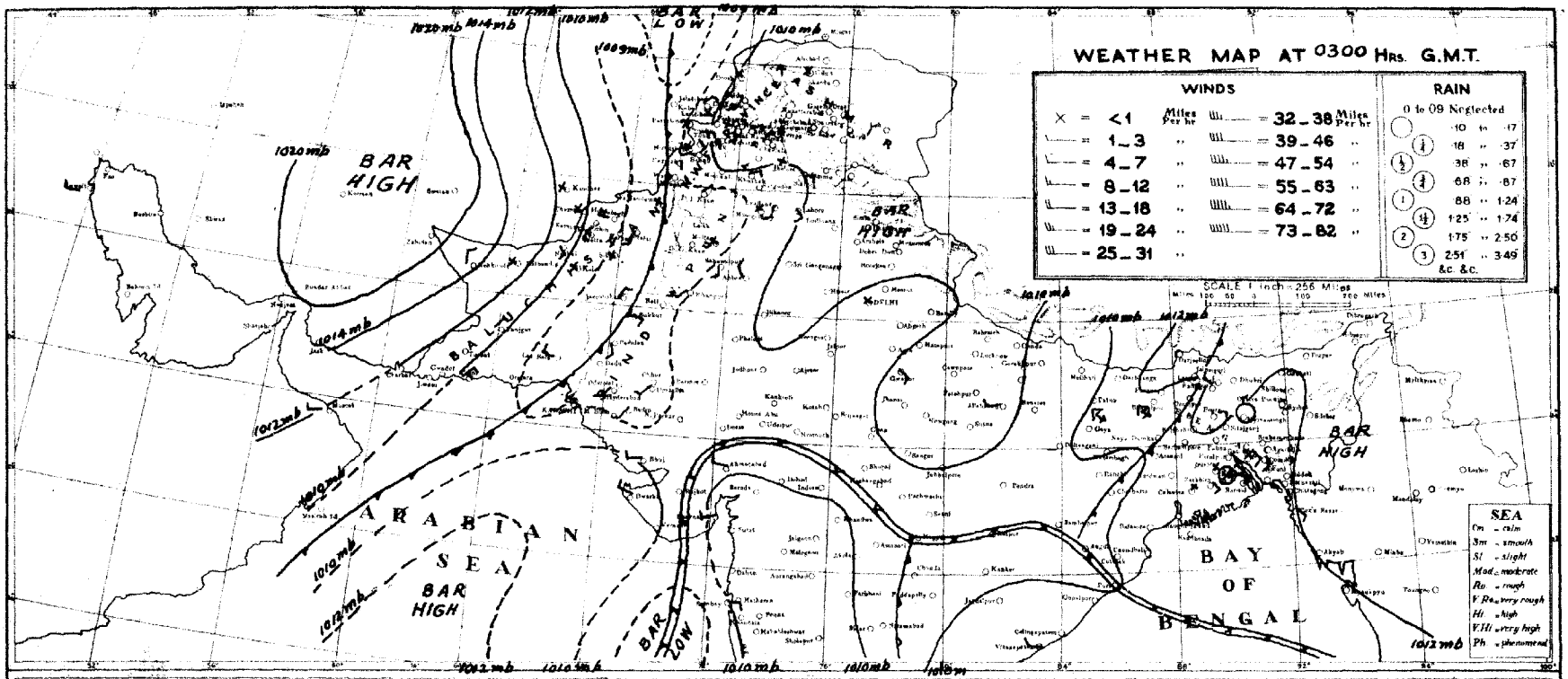
THURSDAY 13th OCTOBER 1949.

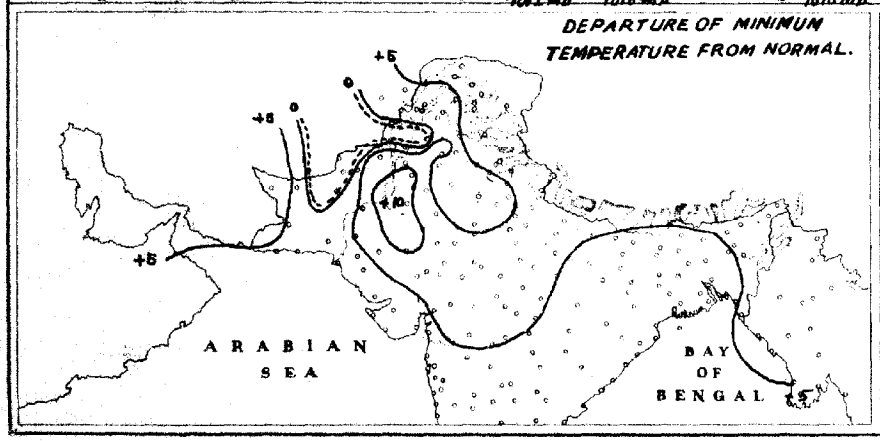


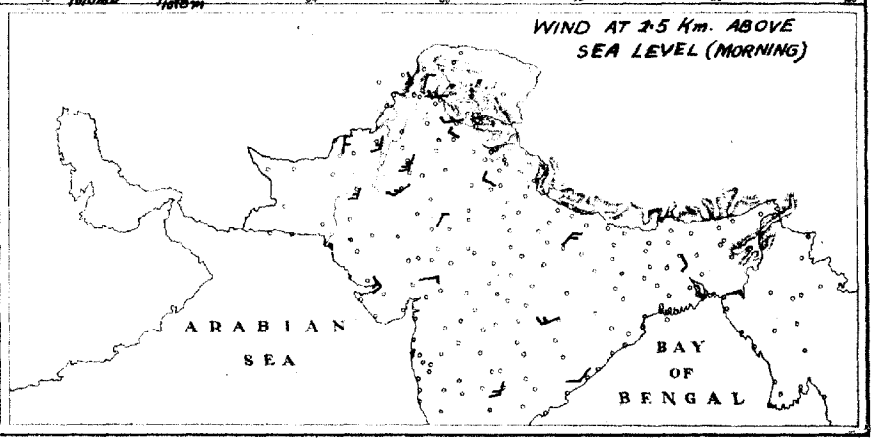
Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER REPORT

FRIDAY 14 TH OCTOBER 1949.



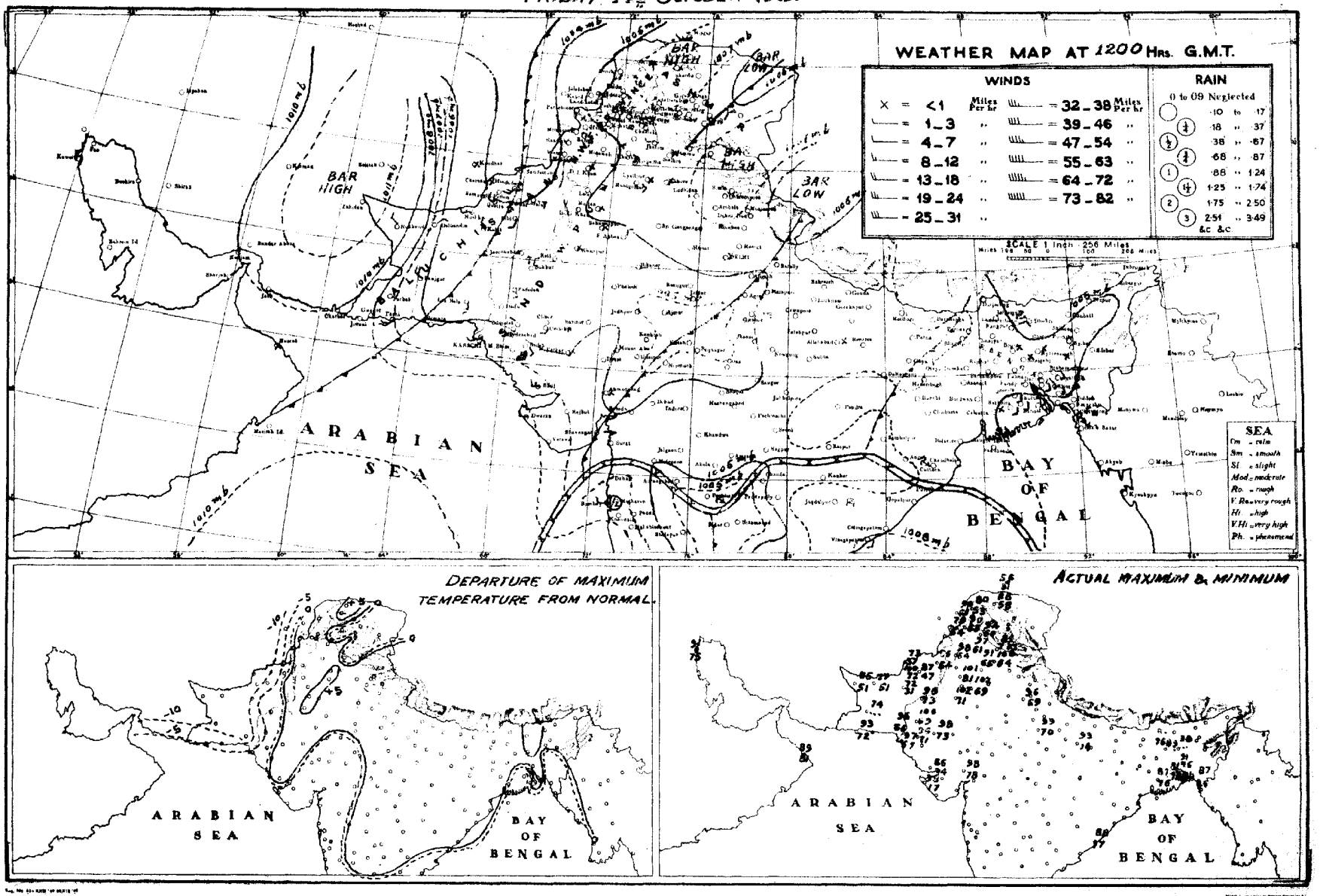




Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER REPORT

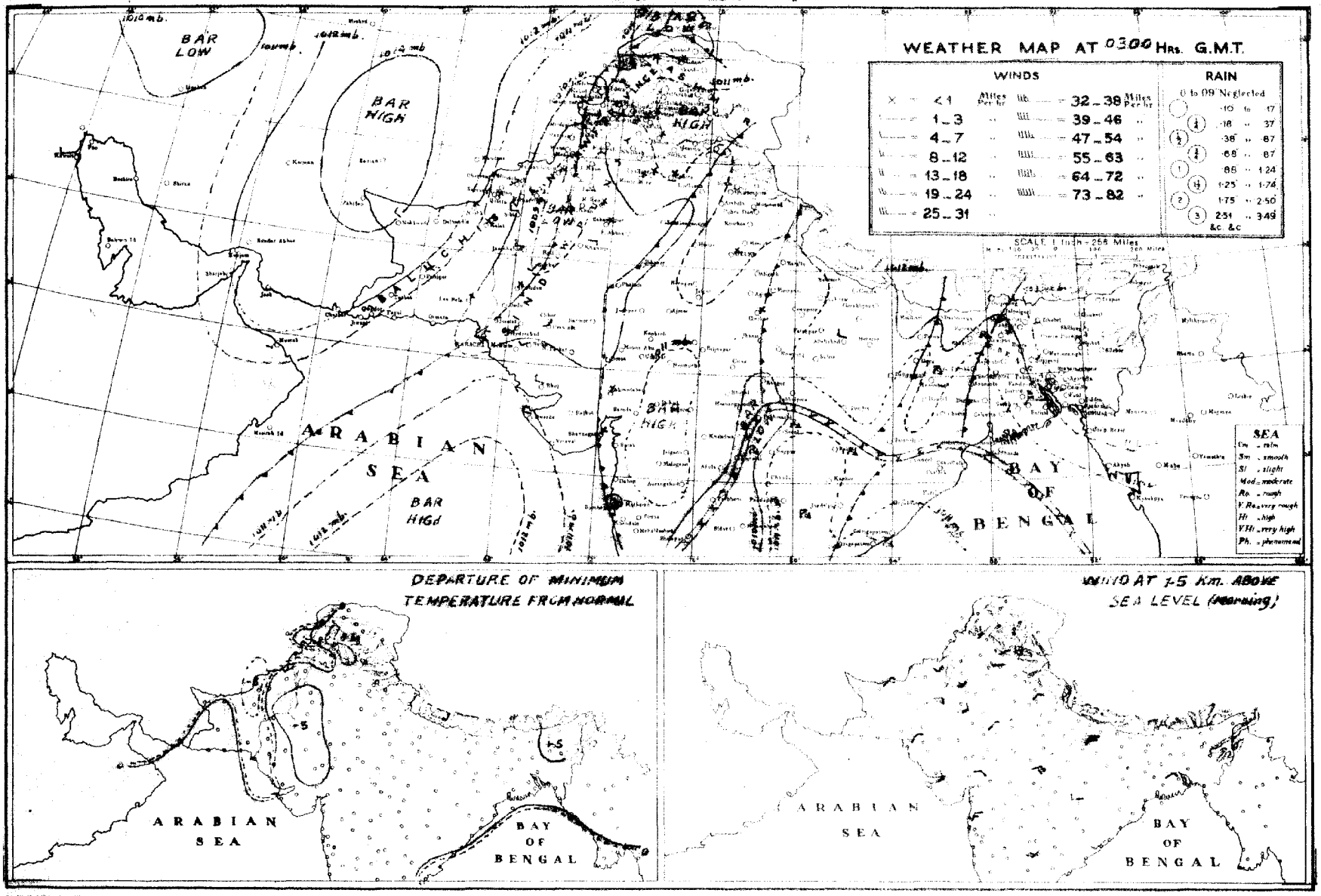
FRIDAY 14th OCTOBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

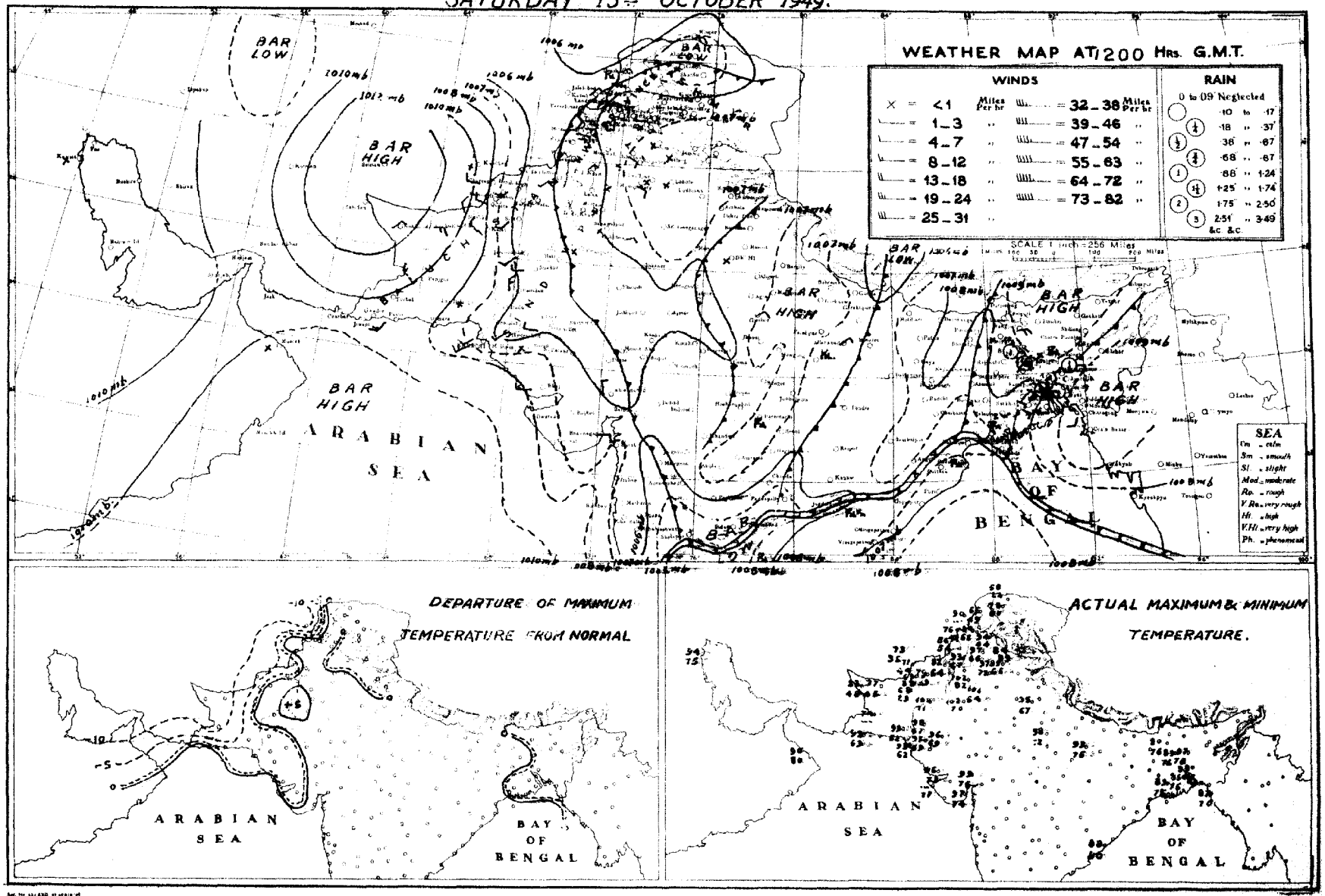
SATURDAY 15th OCTOBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

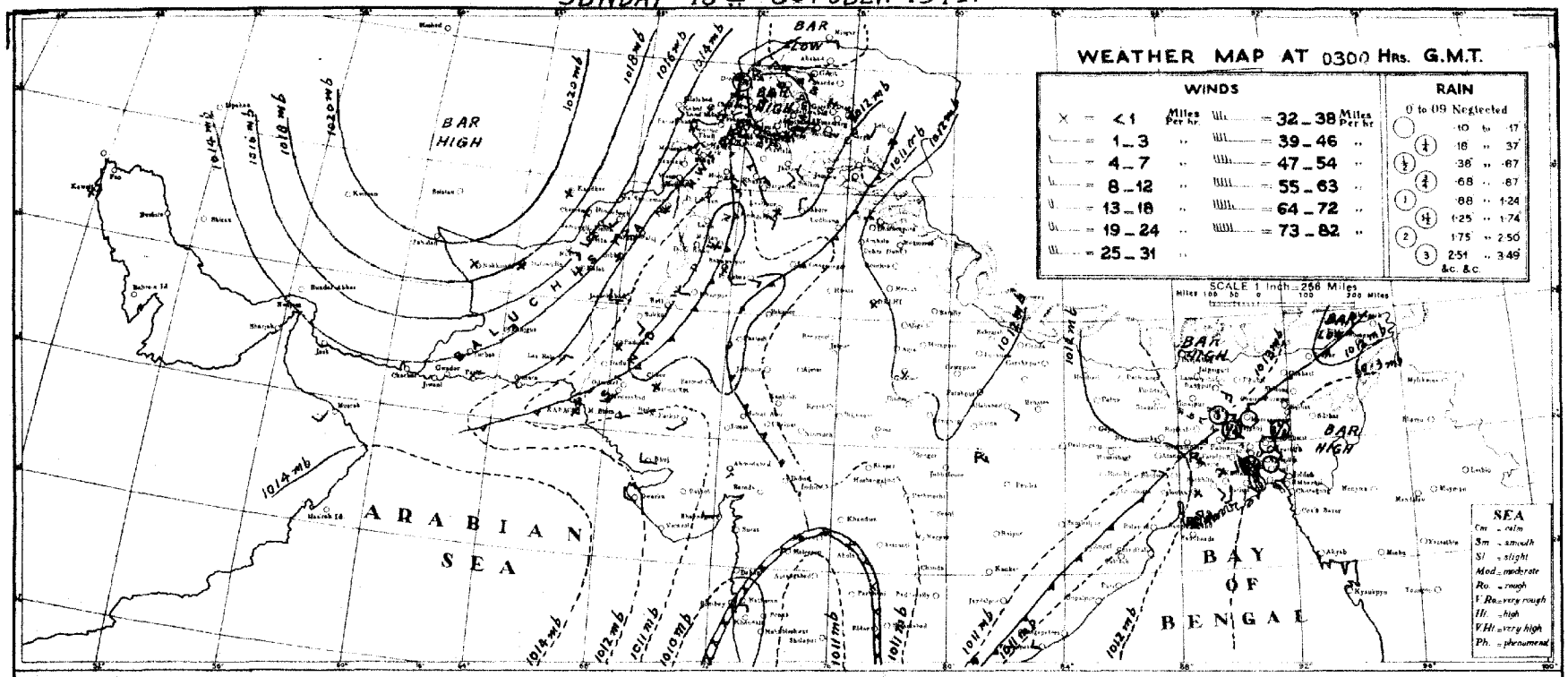
SATURDAY 15th OCTOBER 1949.

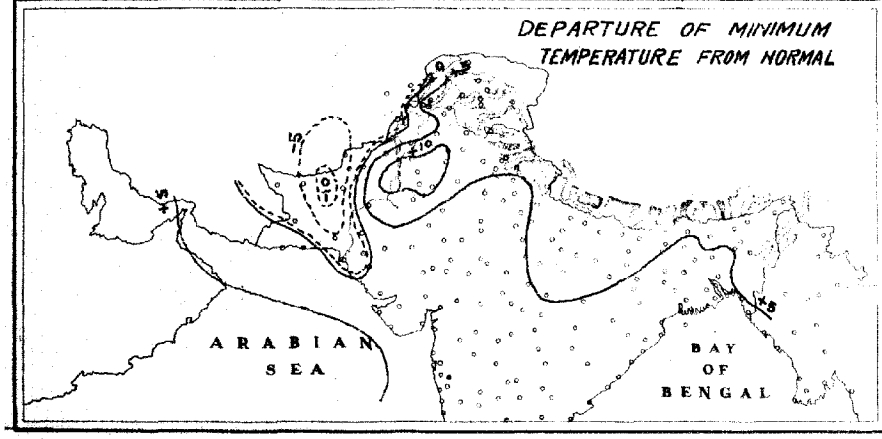


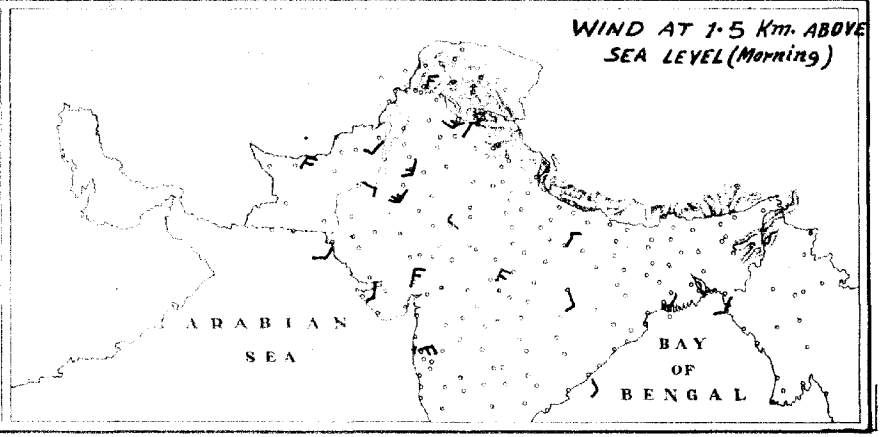
Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER REPORT

SUNDAY 16TH OCTOBER 1949.



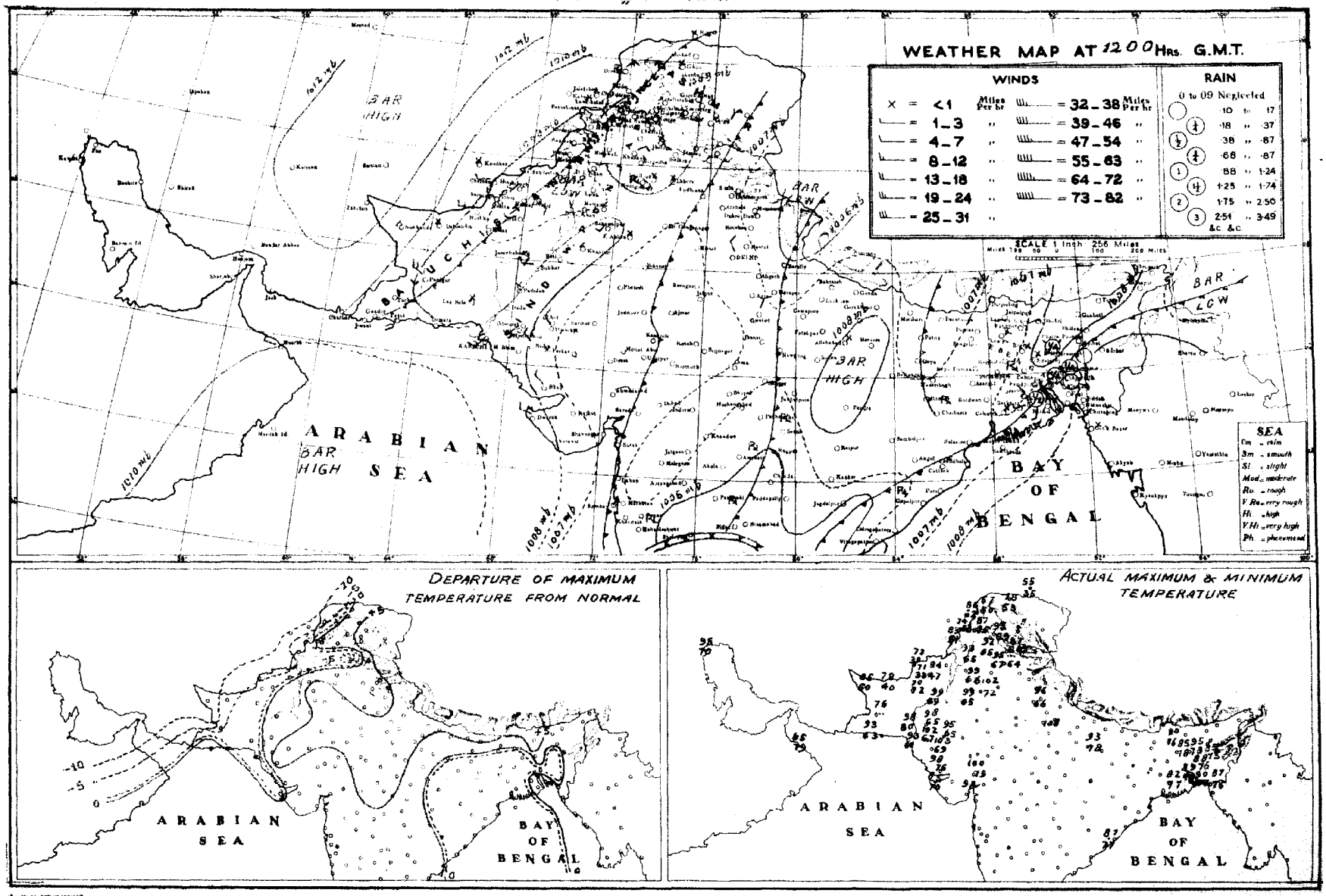




Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER REPORT

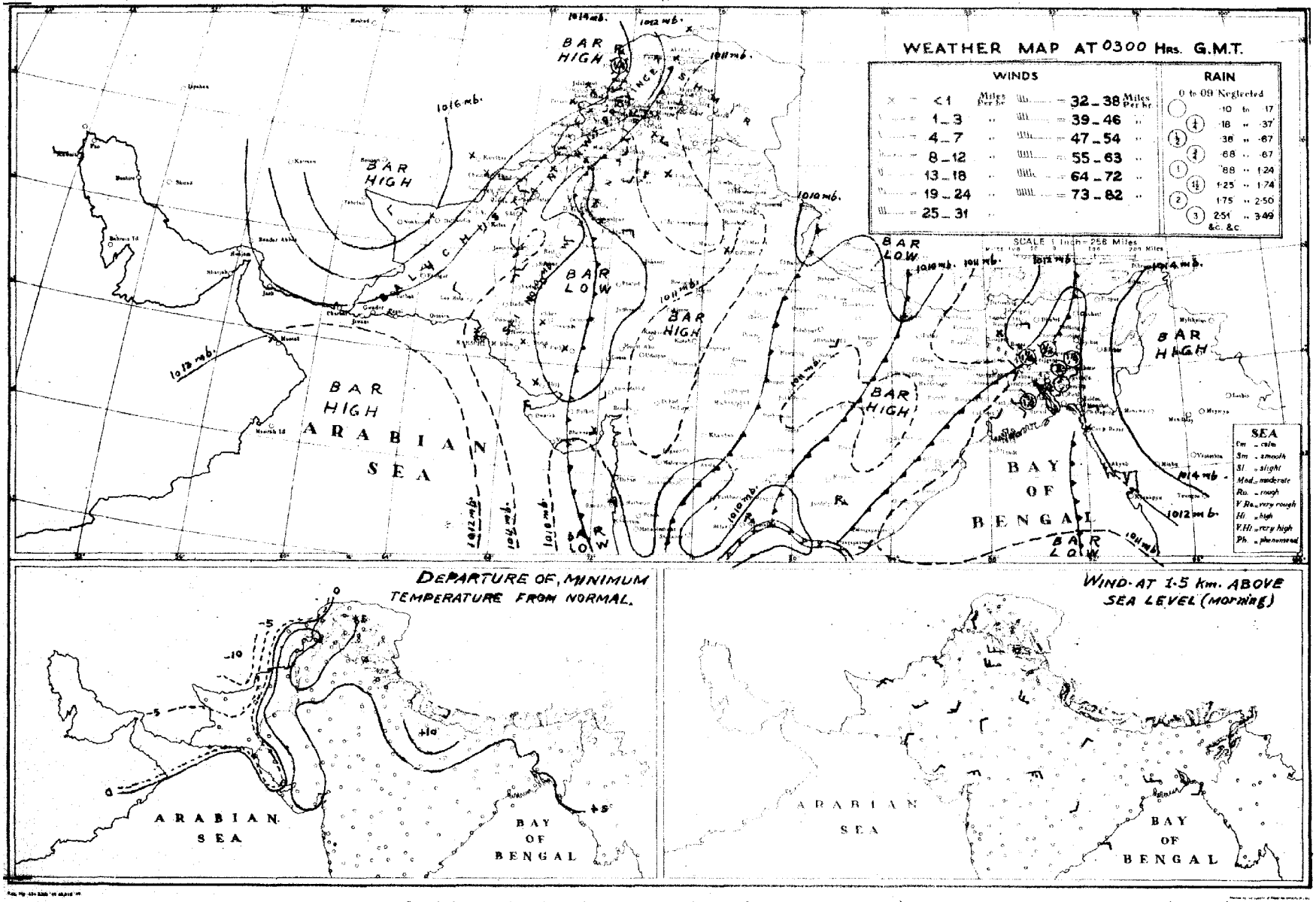
SUNDAY 15th OCTOBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

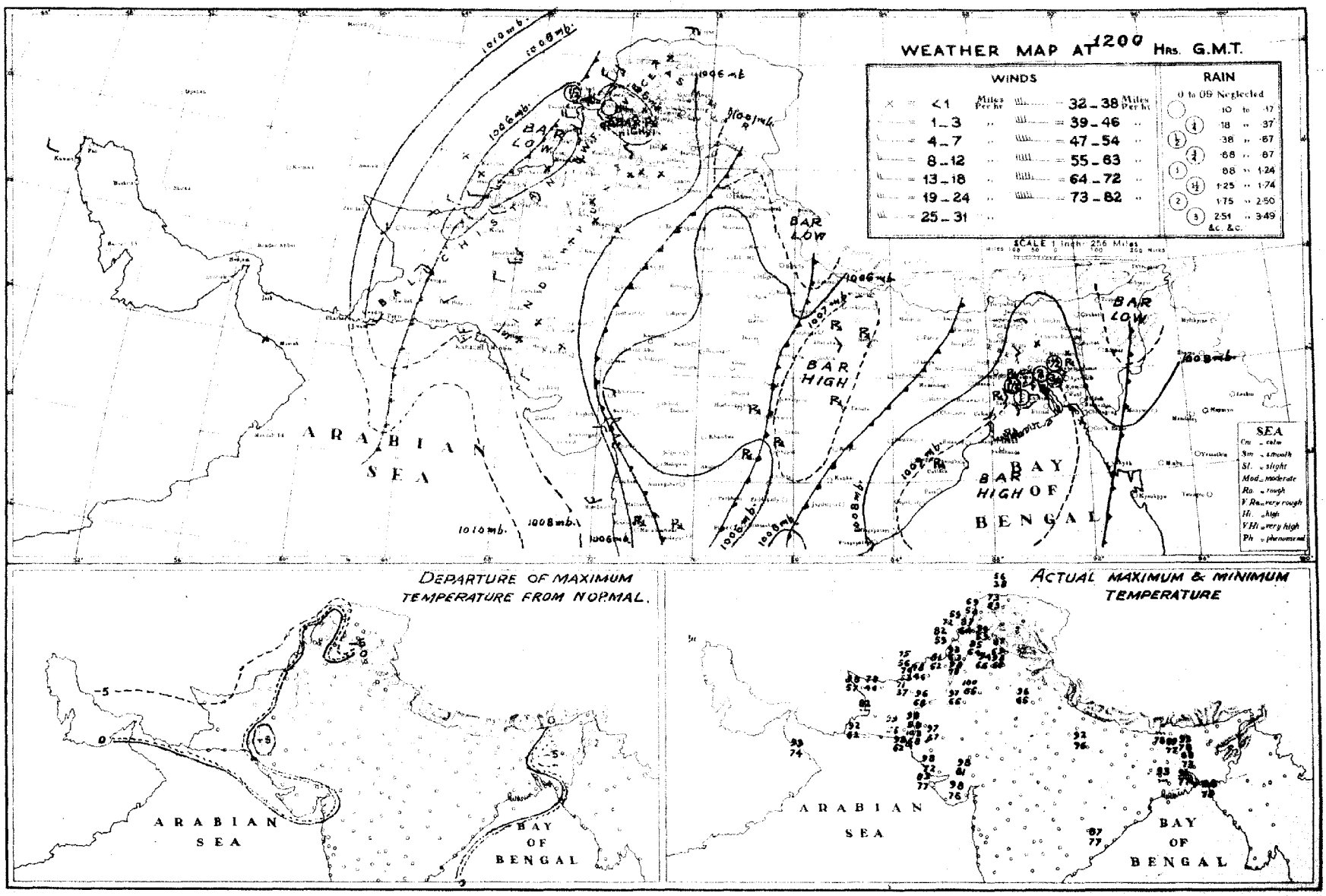
MONDAY 17th OCTOBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

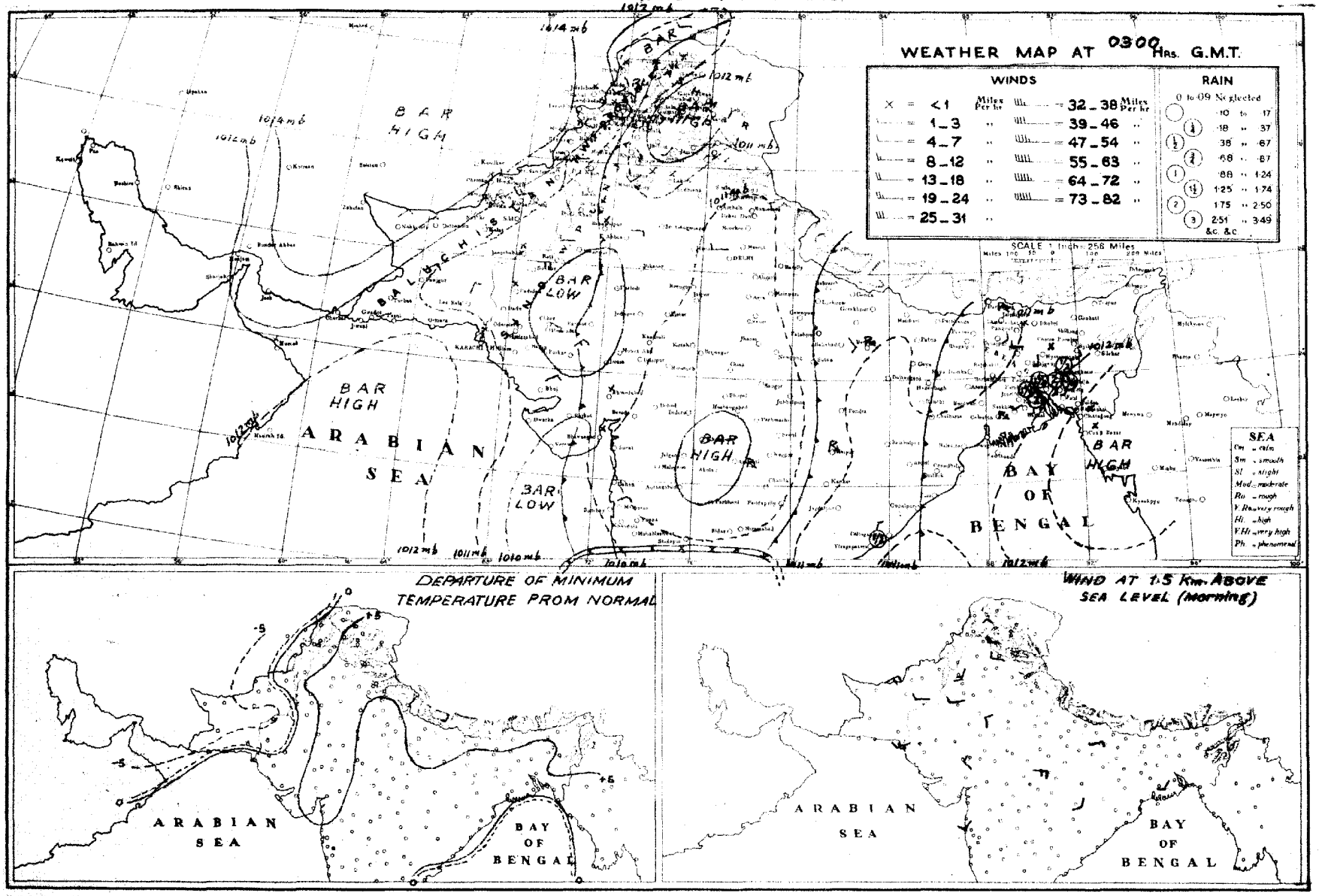
MONDAY 17th OCTOBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

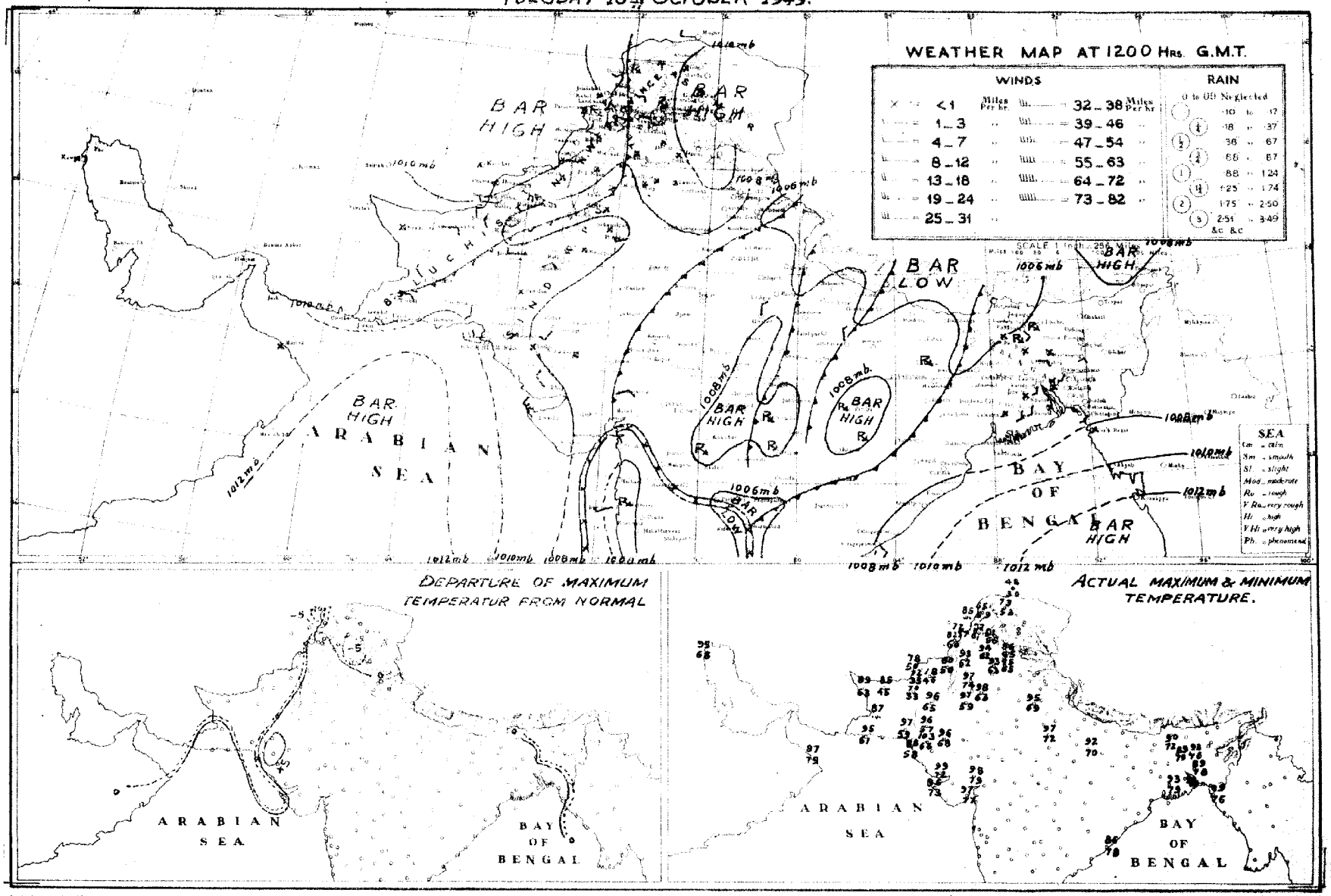
TUESDAY 18th OCTOBER 1949



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

PAKISTAN DAILY WEATHER REPORT

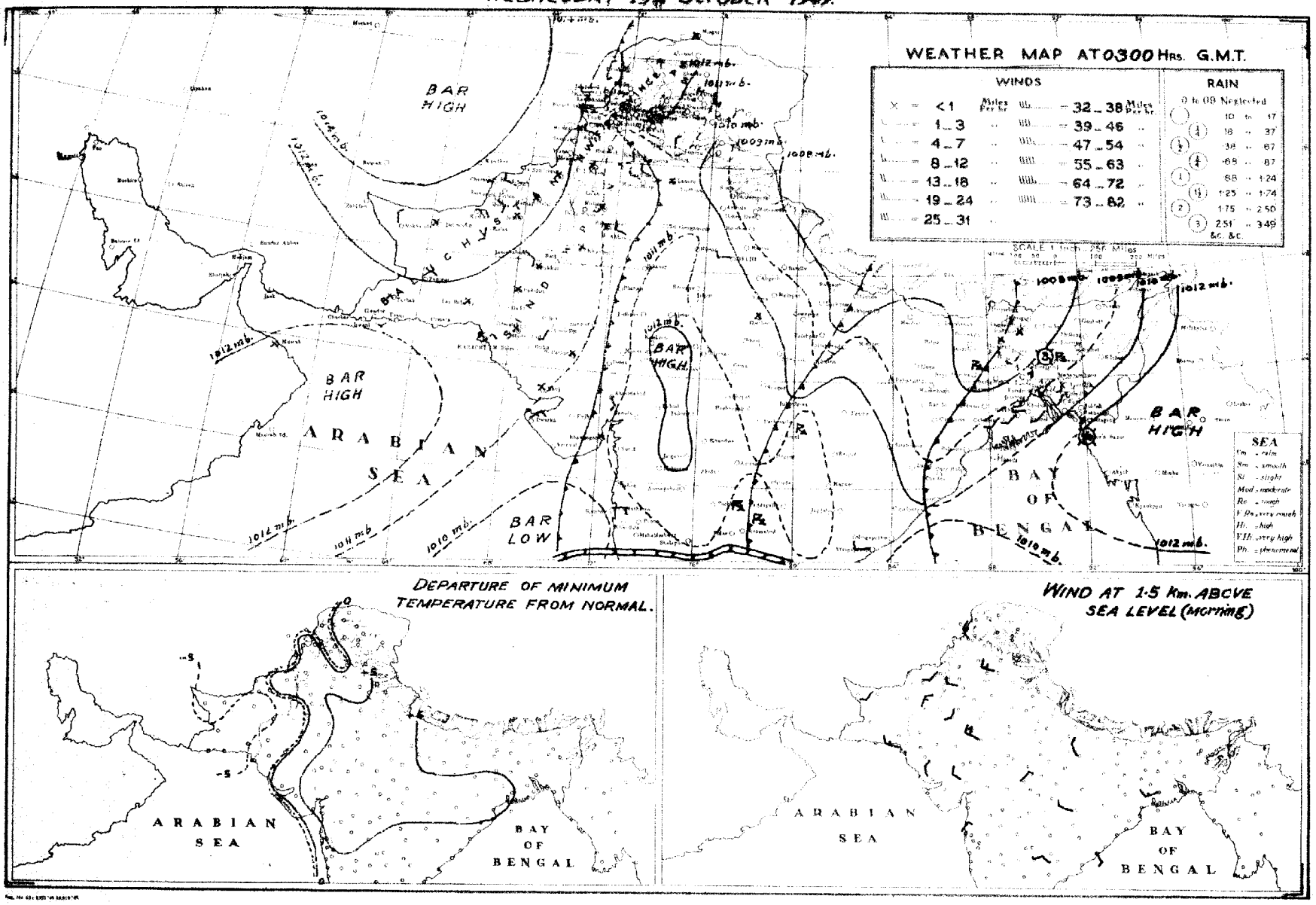
TUESDAY 18th OCTOBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

WEDNESDAY 19th OCTOBER 1949.



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

Regd. No.....

WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G. M. T. on Wednesday, the 26th October, 1949.

——o:O:o——

SUMMARY OF WEATHER.

Except for nearly general thundershowers in the Eastern half of East Pakistan on the 20th, weather remained dry for the rest of the week over the region.

Three western disturbances moved northeast-wards across the extreme north of West Pakistan during the week and in association with their secondaries, isolated thundershowers occurred over the extreme northern portion of West Pakistan on the 22nd and 23rd.

Chief amounts of rainfall during the week were:—Brahmanbaria and Narayanganj 2 each on the 20th.

2 EAST PAKISTAN.—Nearly general rain was reported from the Eastern sub-division on the 20th. A few falls were also recorded in the Northern sub-division on the 20th and in the Eastern sub-division on the 21st.

KASHMIR.—Data not available.

WEST PUNJAB.—A few falls were recorded over the hills of the northwest Punjab on the 22nd.

NORTH-WEST FRONTIER PROVINCE.—A few showers occurred over the hills on the 23rd.

BALUCHISTAN.—Weather was dry.

SIND.—Weather was dry.

JUNAGADH.—Data not available.

3. The week's rainfall was deficient in the Eastern sub-division of East Pakistan and scanty in the Northern sub-division of East Pakistan and the northwest Punjab. Elsewhere no rain fell

Rainfall for the period from 1st June 1949 to date was in excess in the Northern sub-division of East Pakistan and in Sind. It was normal in the Eastern sub-division of East Pakistan and the northwest Punjab. It was deficient elsewhere.

4. The table overleaf summarises the rainfall statistics for the 11 sub-divisions of Pakistan both for the week and for the period from 1st June 1949 to date.

KARACHI-11.
The 26th October, 1949.

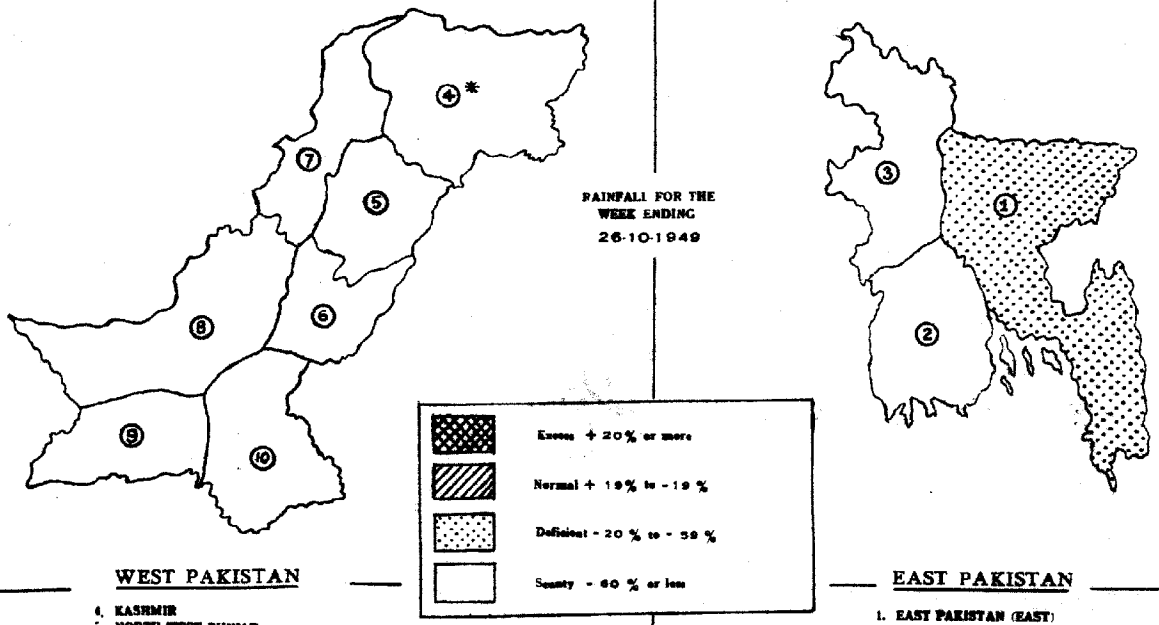
MOHAMMAD SHABBAR,
for Director, Meteorological Services.

WEEKLY WEATHER REPORT

Division	Rainfall for week ending on 26th October 1949.			Rainfall for period from 1-6-49. to 26th October 1949.			
	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	−0.4	78.7	71.3	+ 7.3	+10
2. East Pakistan (Deltaic)	0	0.5	−0.5	40.4	52.6	− 12.3	− 23
3. East Pakistan (North)	0.2	0.6	−0.4	67.3	52.3	+ 15.1	+29
4. Kashmir †	....	....	....	....	....	....	...
5. North West Punjab	0	0.1	−0.1	14.5	16.3	− 1.8	− 11
6. South West Punjab	0	0	0	3.5	5.4	− 1.9	− 35
7. N. W. F. P.	0	0	0	2.9	5.0	− 2.1	− 43
8. North Baluchistan	0	0	0	2.2	2.9	− 0.7	− 22
9. South Baluchistan	0	0	0	0.5	1.0	− 0.5	− 46
10. Sind	0	0	0	7.4	5.4	+ 2.0	+37
11. Junagadh †	...	....	....	...	....		....

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

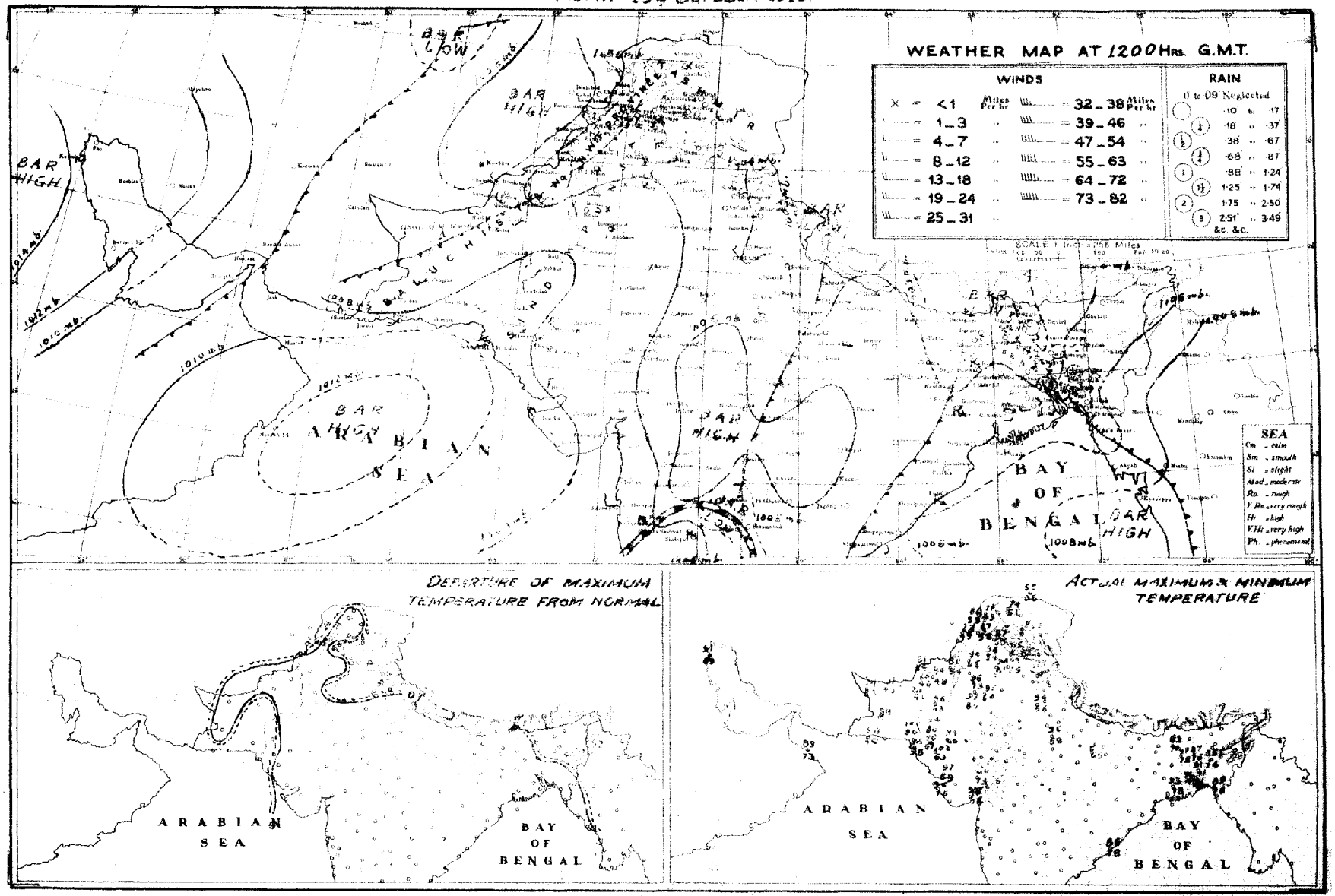
† Data not available. †† Rainfall for stations having no normals is not included.



* Data not available.

PAKISTAN DAILY WEATHER REPORT

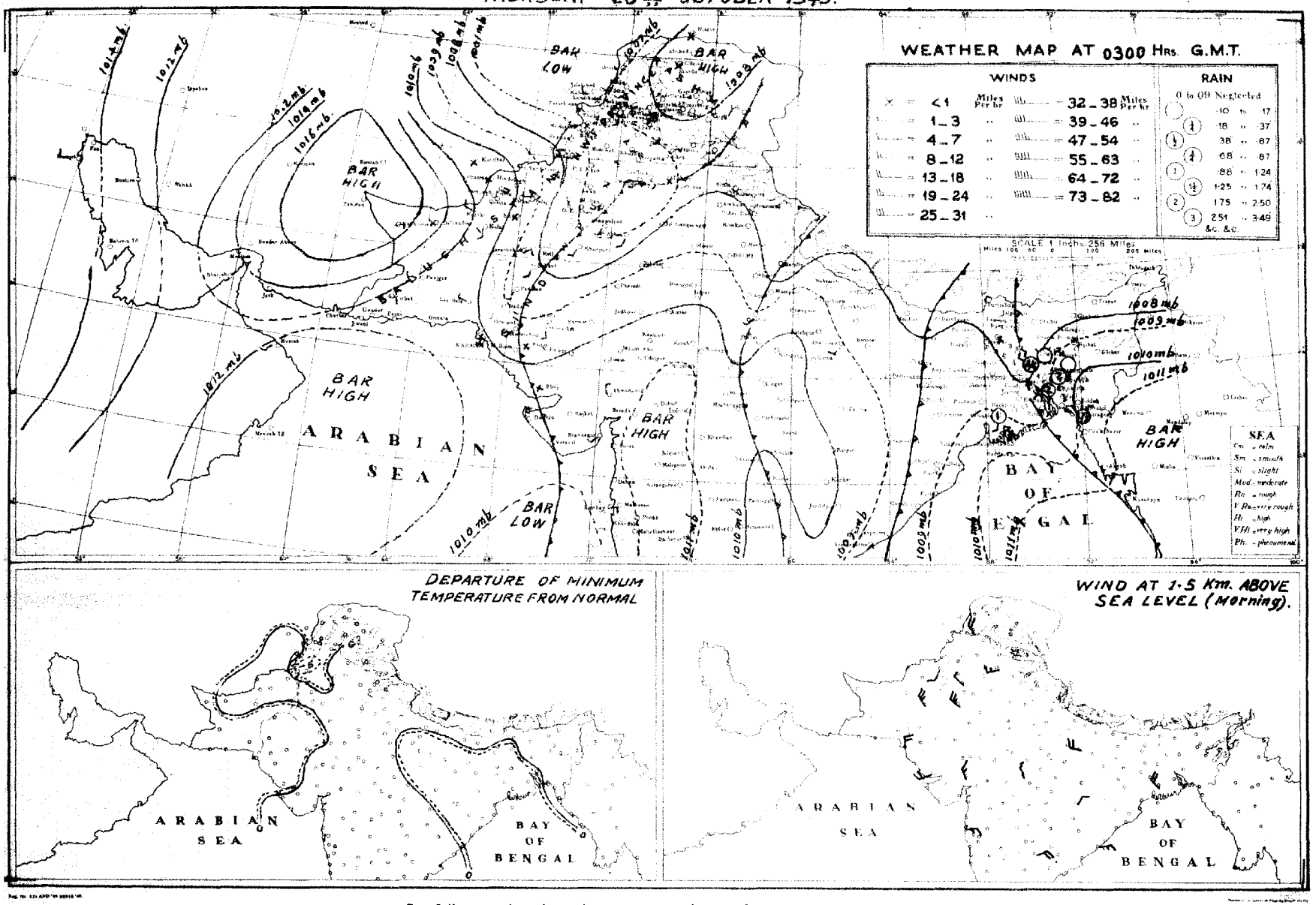
WEDNESDAY 19th OCTOBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

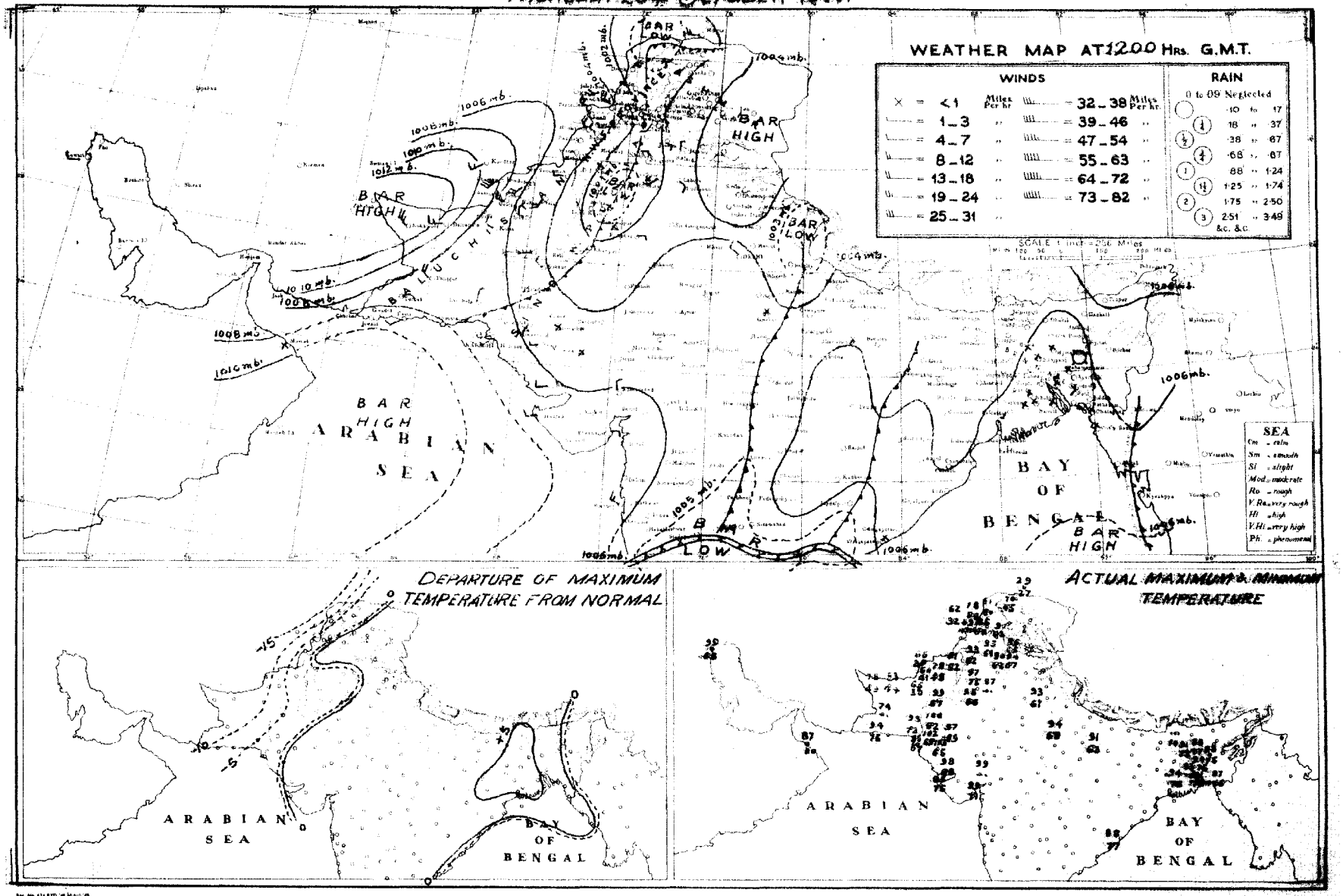
THURSDAY 20TH OCTOBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

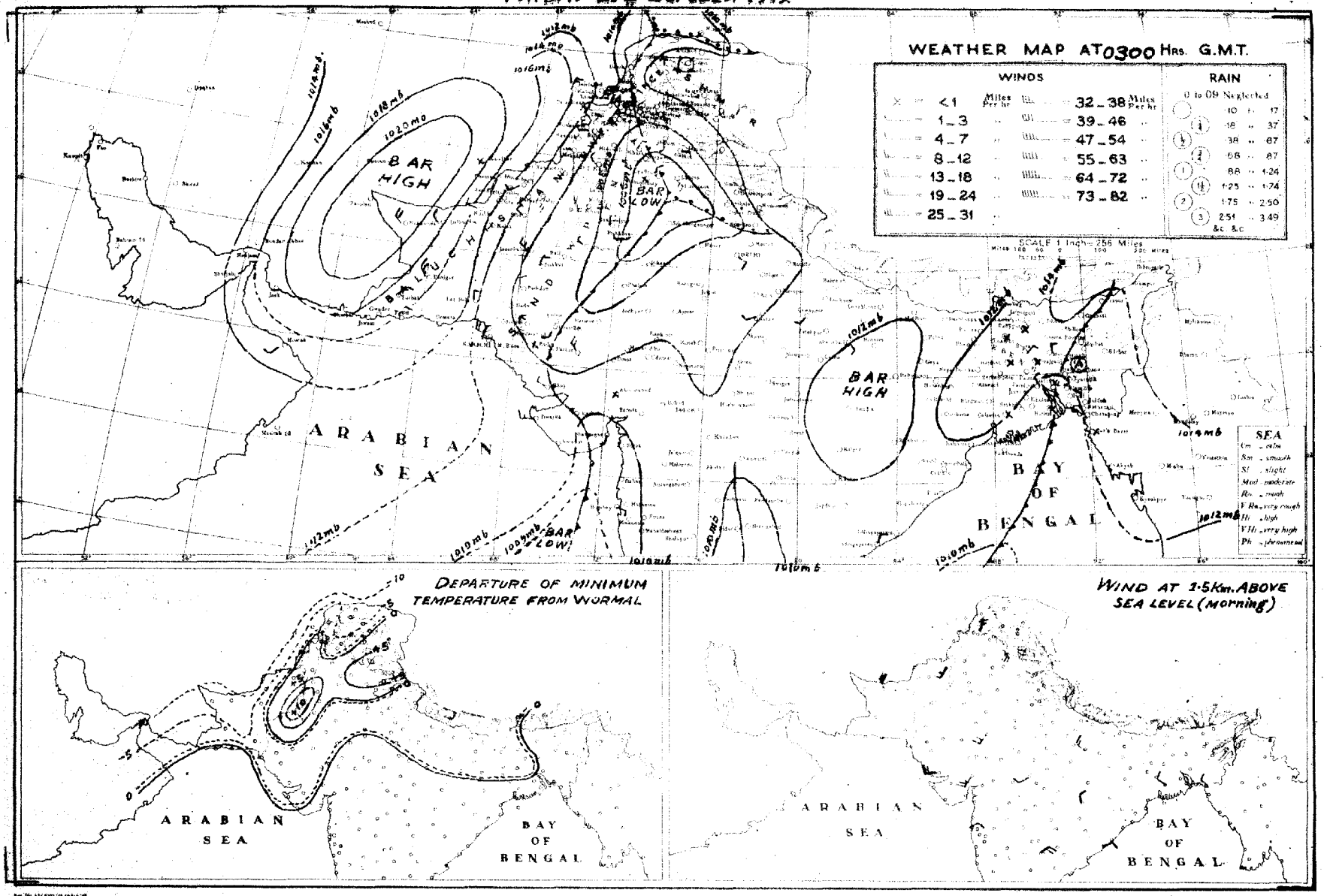
THURSDAY 20TH OCTOBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

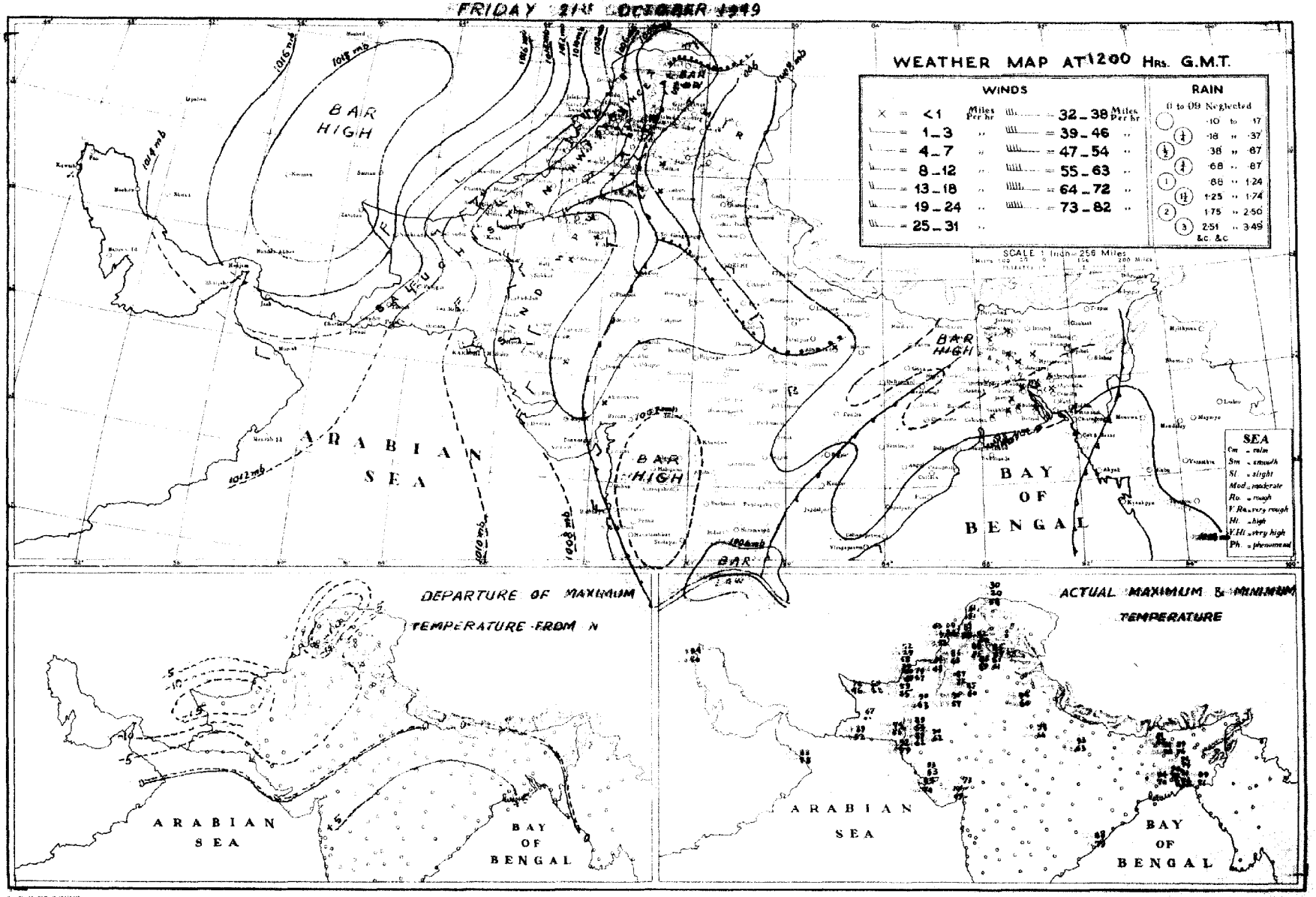
FRIDAY 21st OCTOBER 1949



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

PAKISTAN DAILY WEATHER REPORT

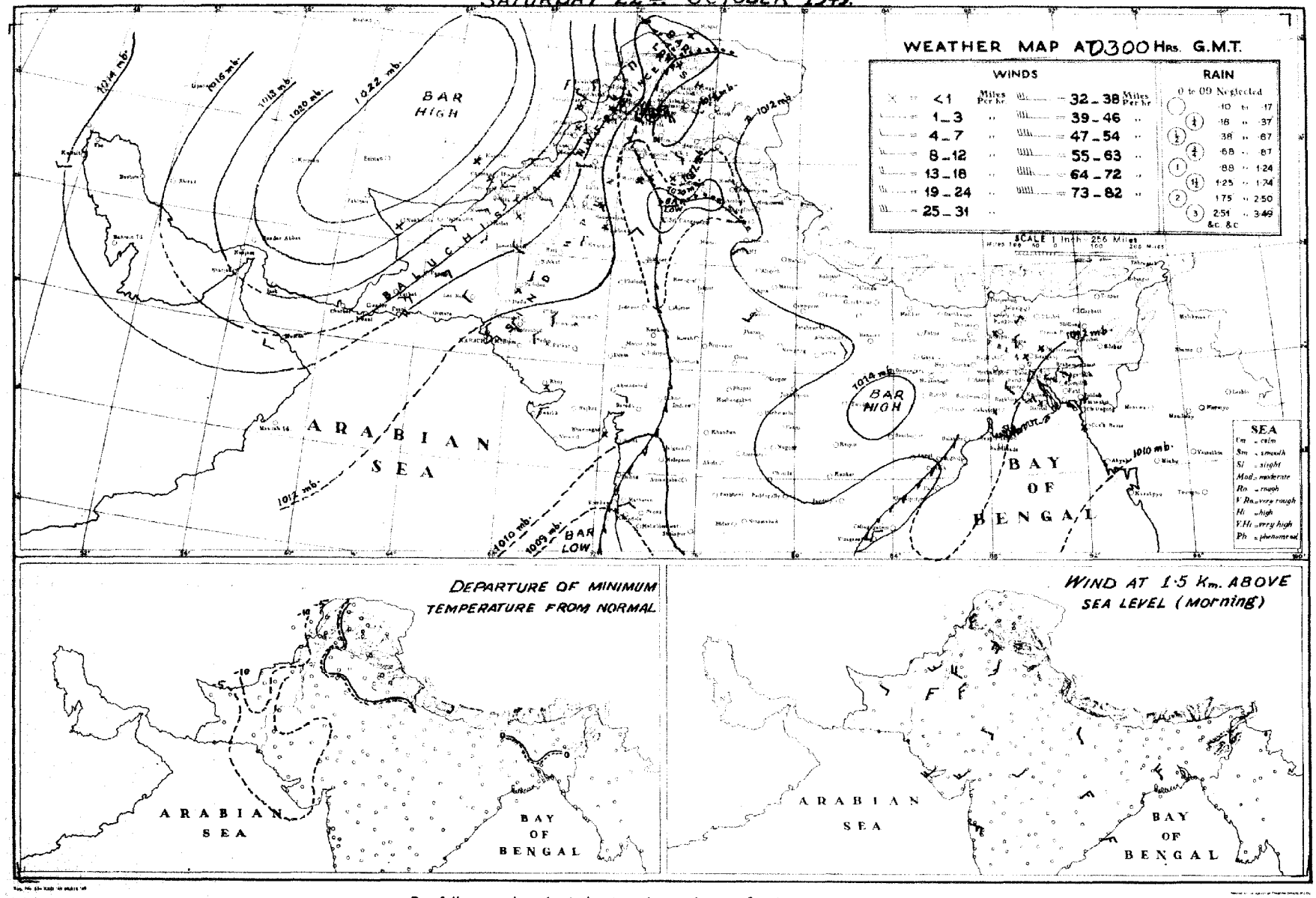
FRIDAY 21st OCTOBER 1949



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

PAKISTAN DAILY WEATHER REPORT

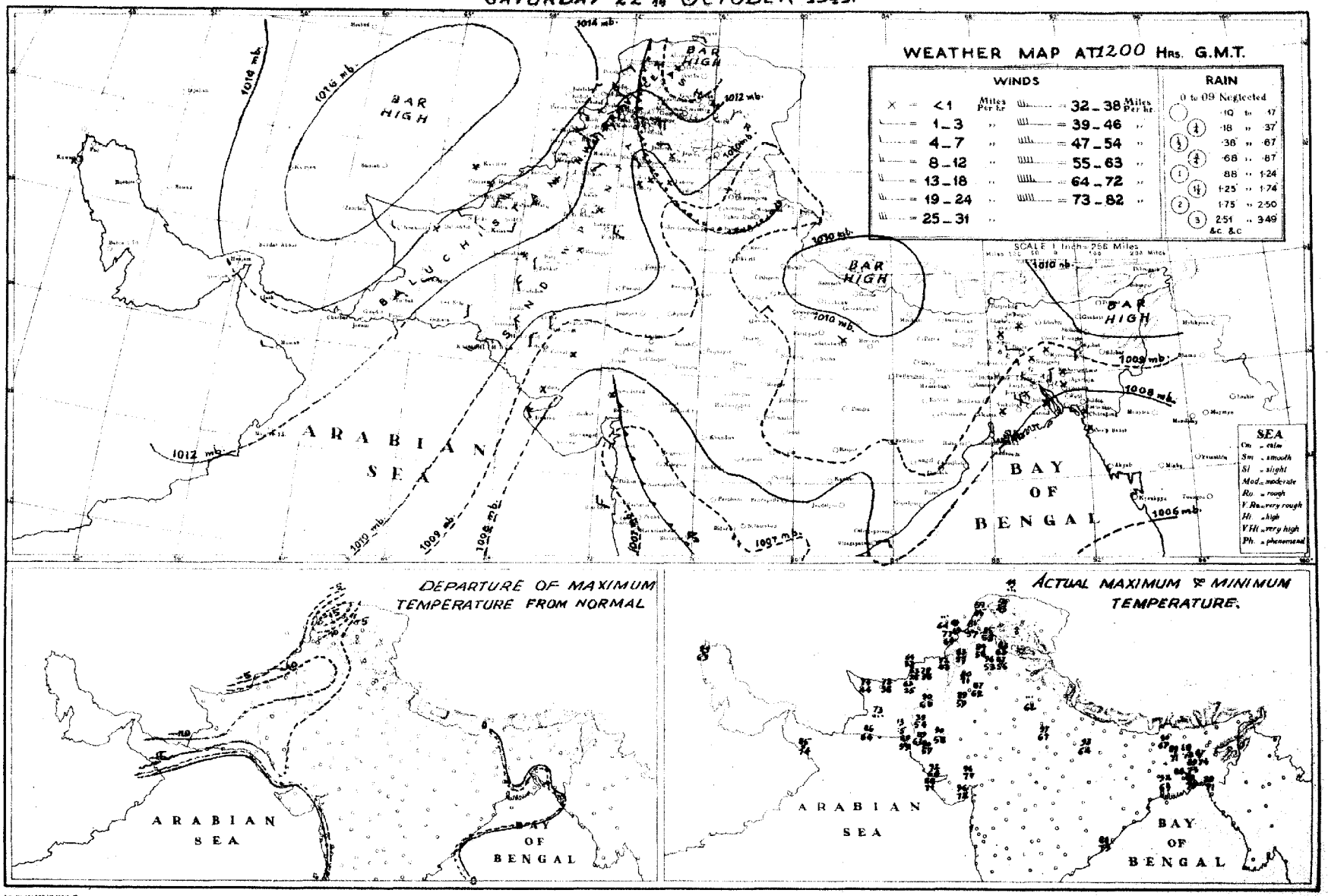
SATURDAY 22nd OCTOBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

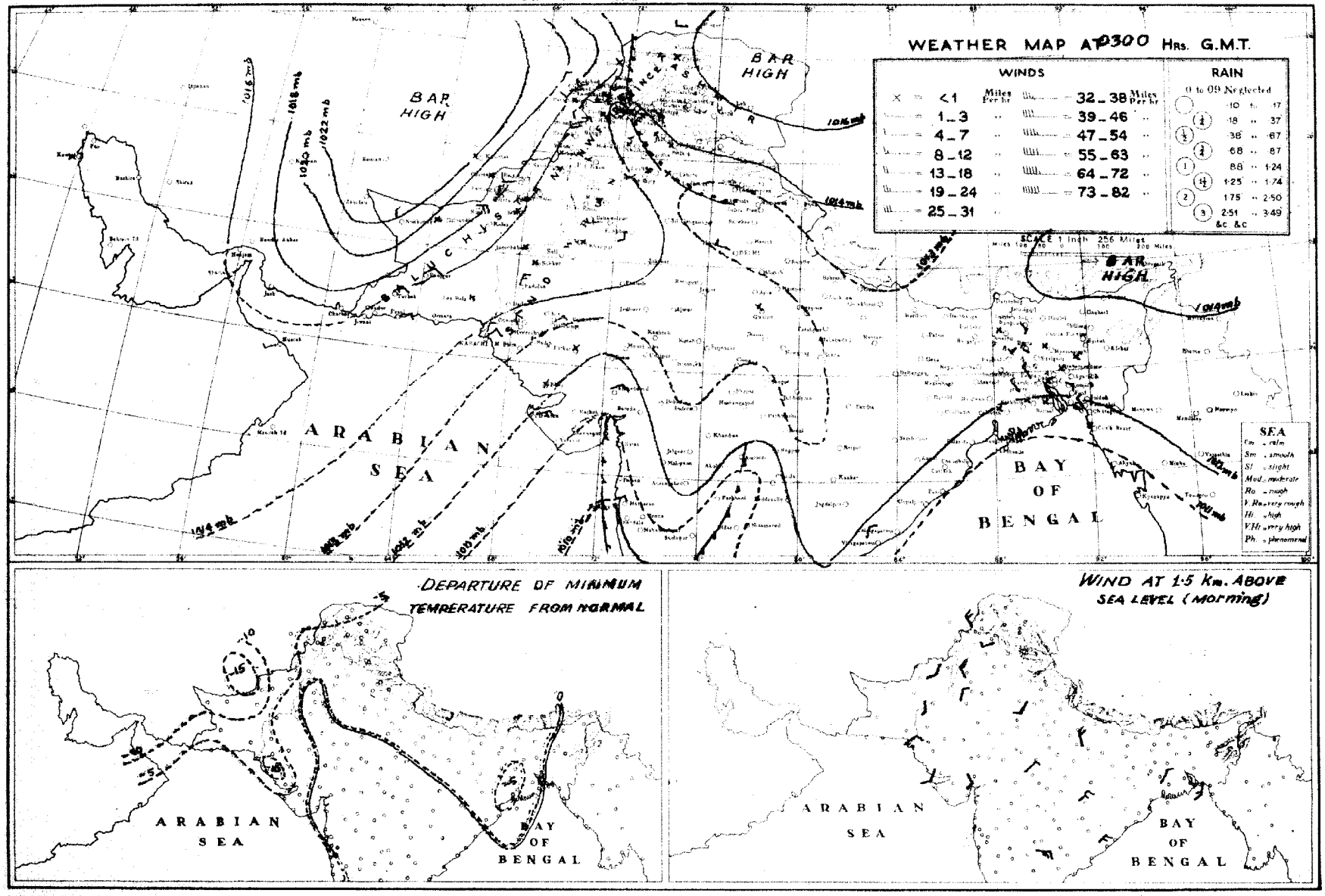
SATURDAY 22 nd OCTOBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

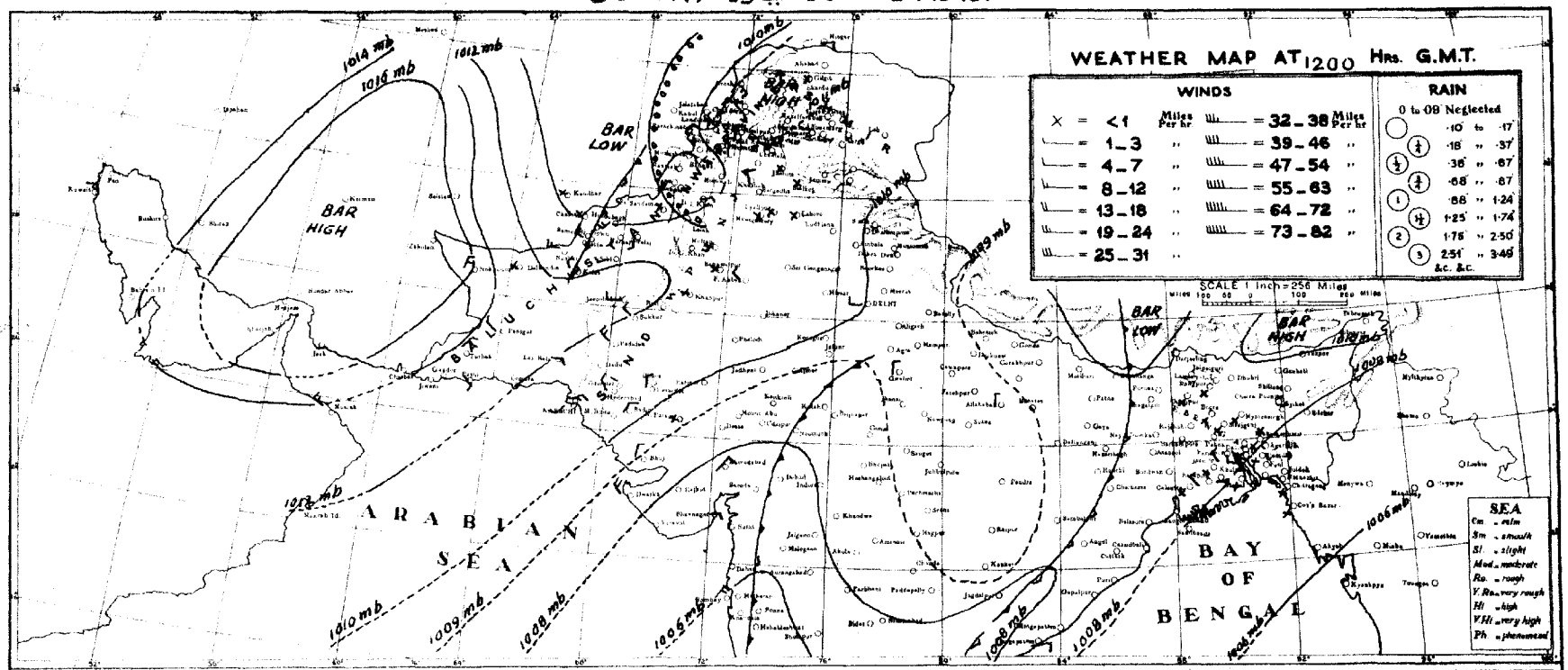
SUNDAY 23 rd. OCTOBER 1949.

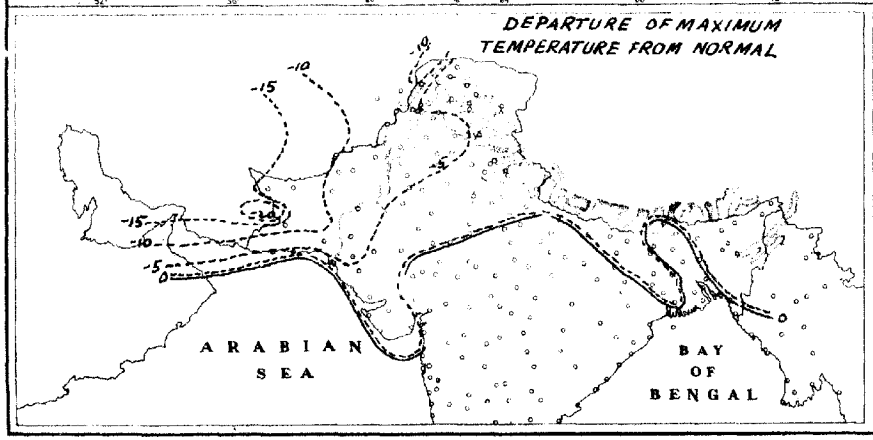


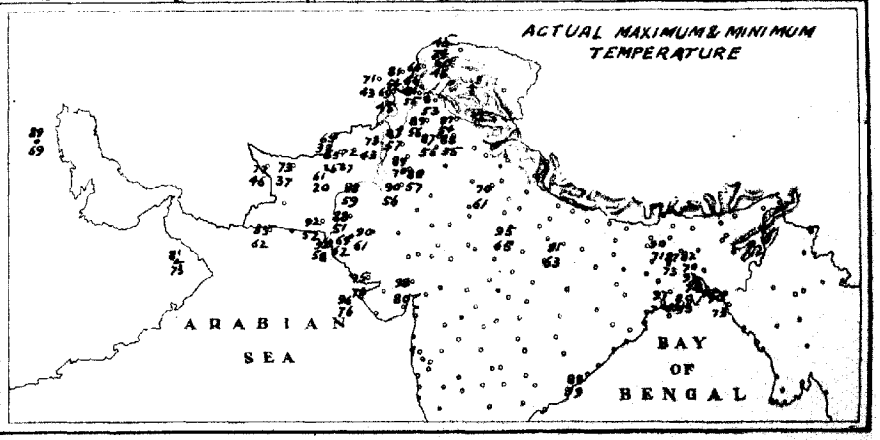
Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER REPORT

SUNDAY 23RD OCTOBER 1949.



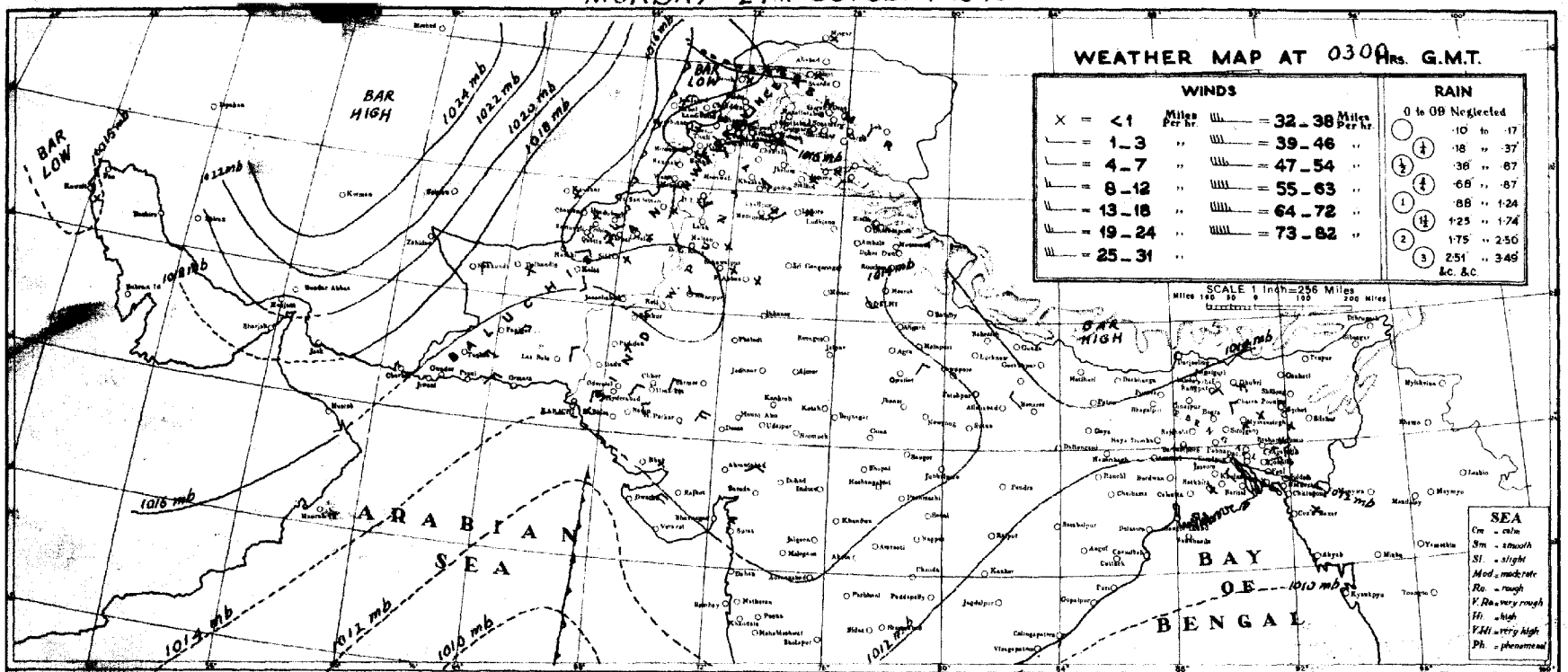


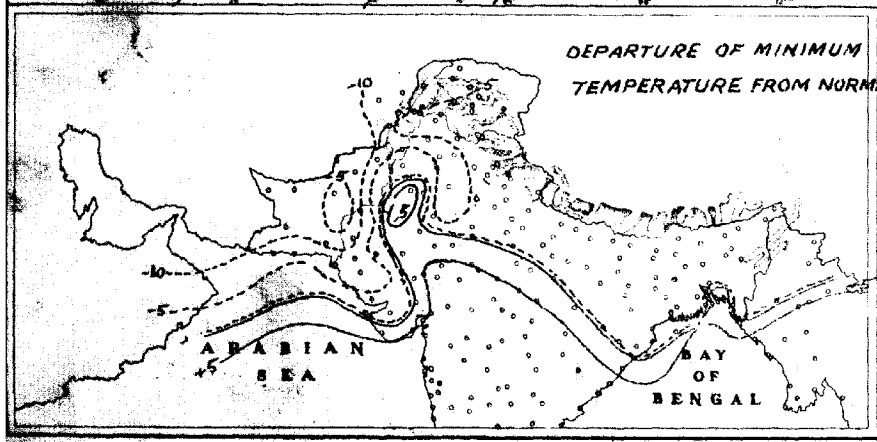


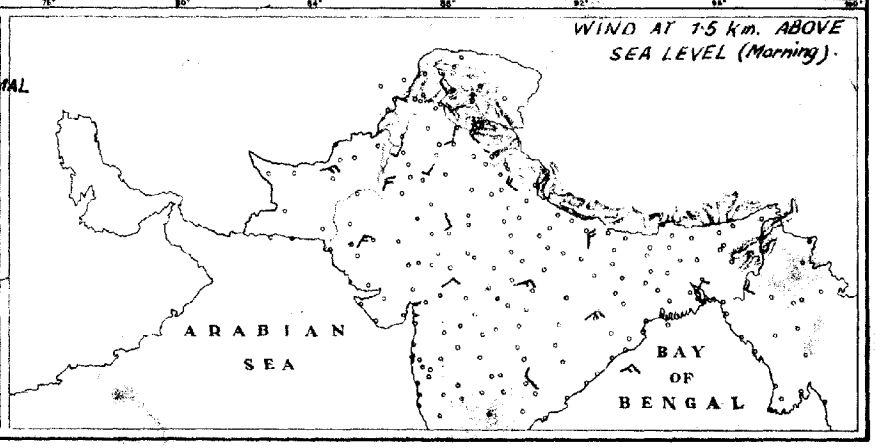
Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER REPORT

MONDAY 24TH OCTOBER 1949







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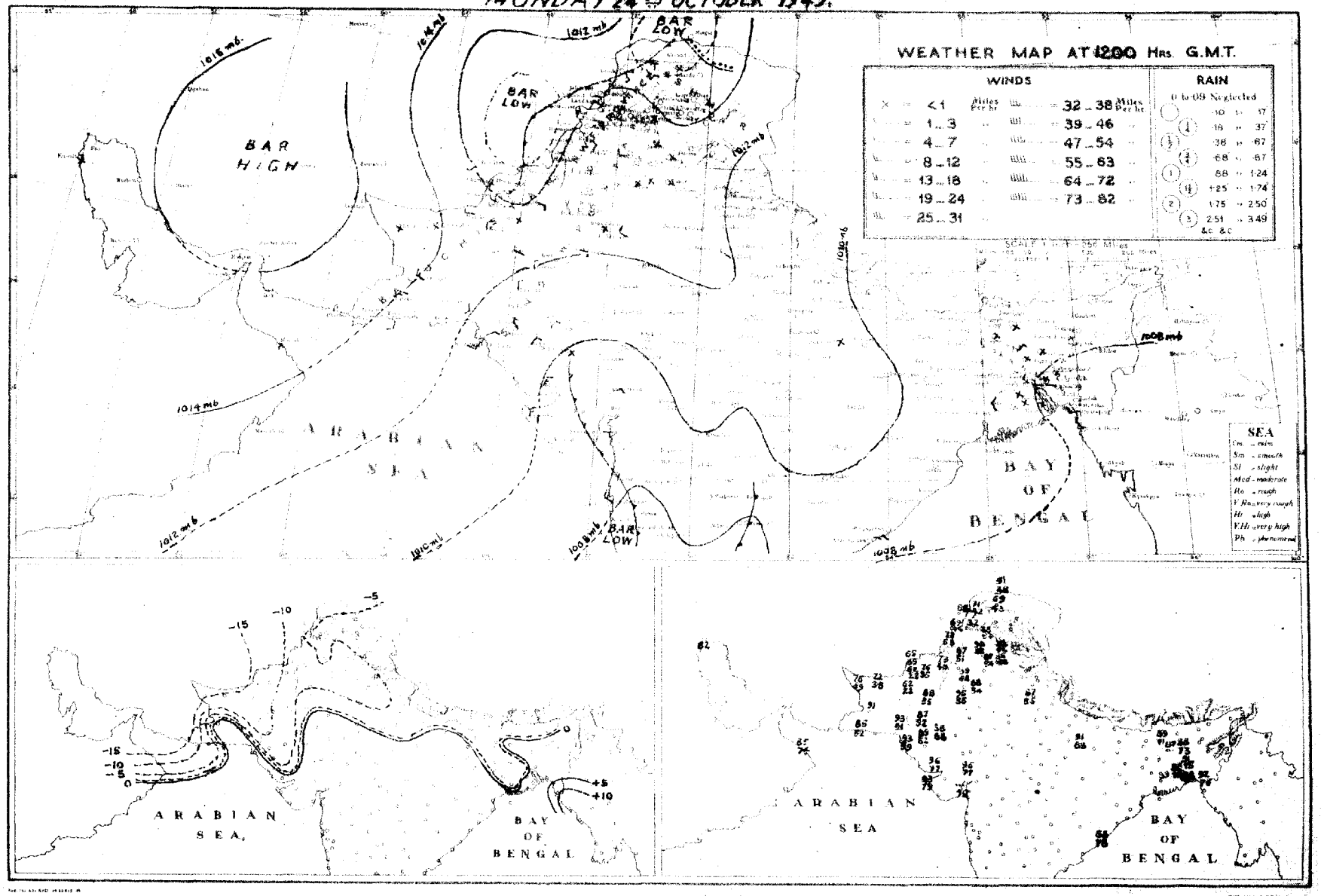
PAKISTAN DAILY WEATHER REPORT

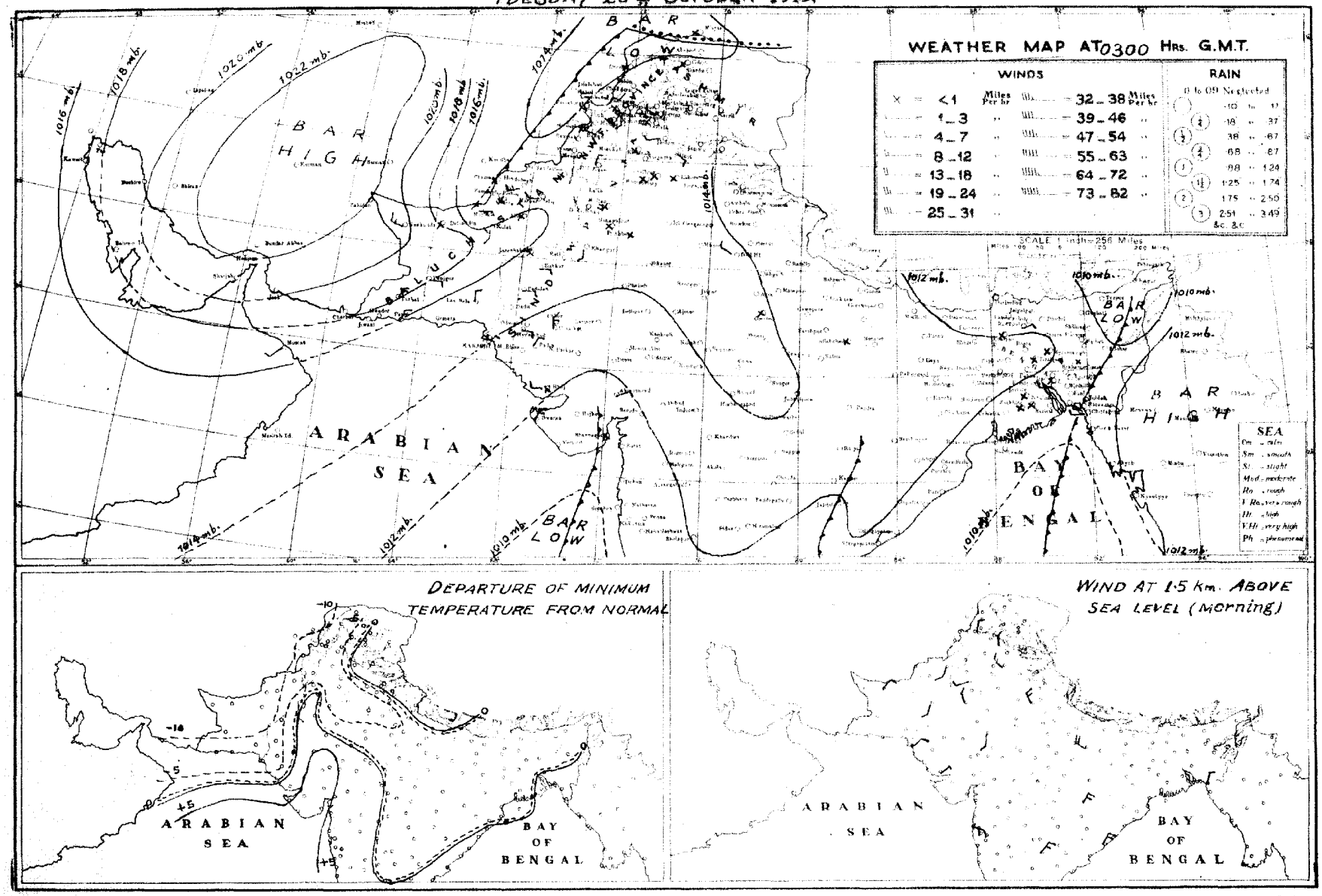
MONDAY 24TH OCTOBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

TUESDAY 25TH OCTOBER 1949.



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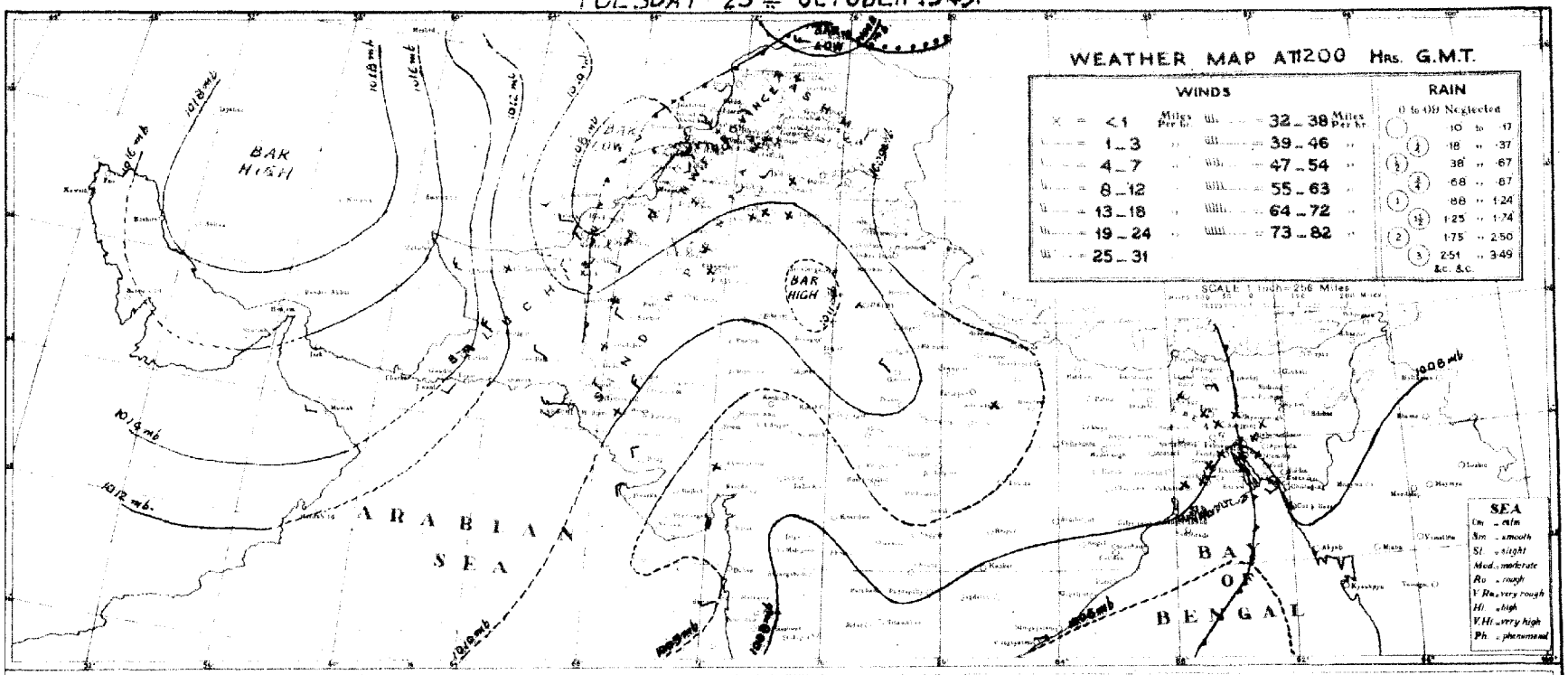
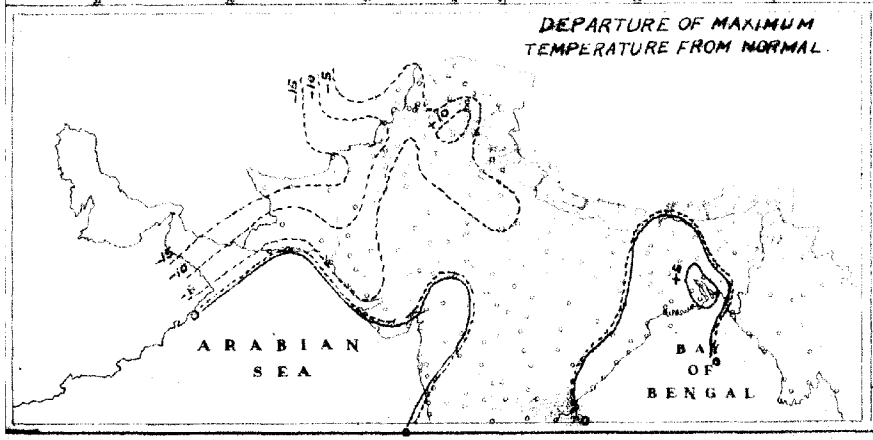
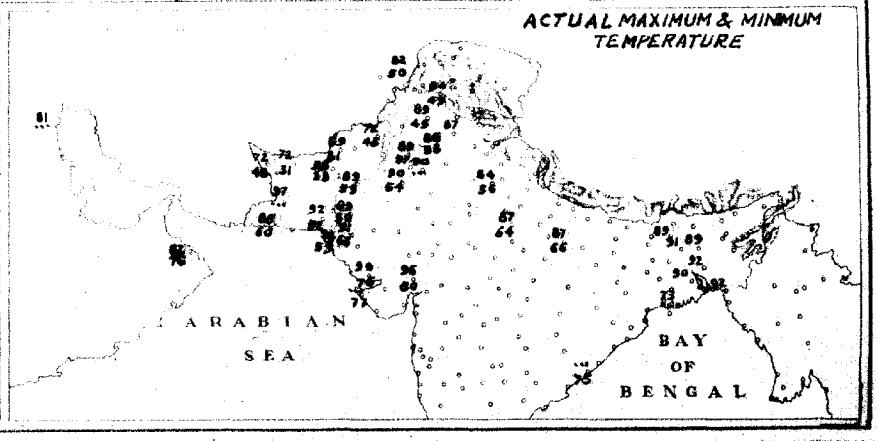
PAKISTAN DAILY WEATHER REPORT

TUESDAY 25TH OCTOBER 1949.



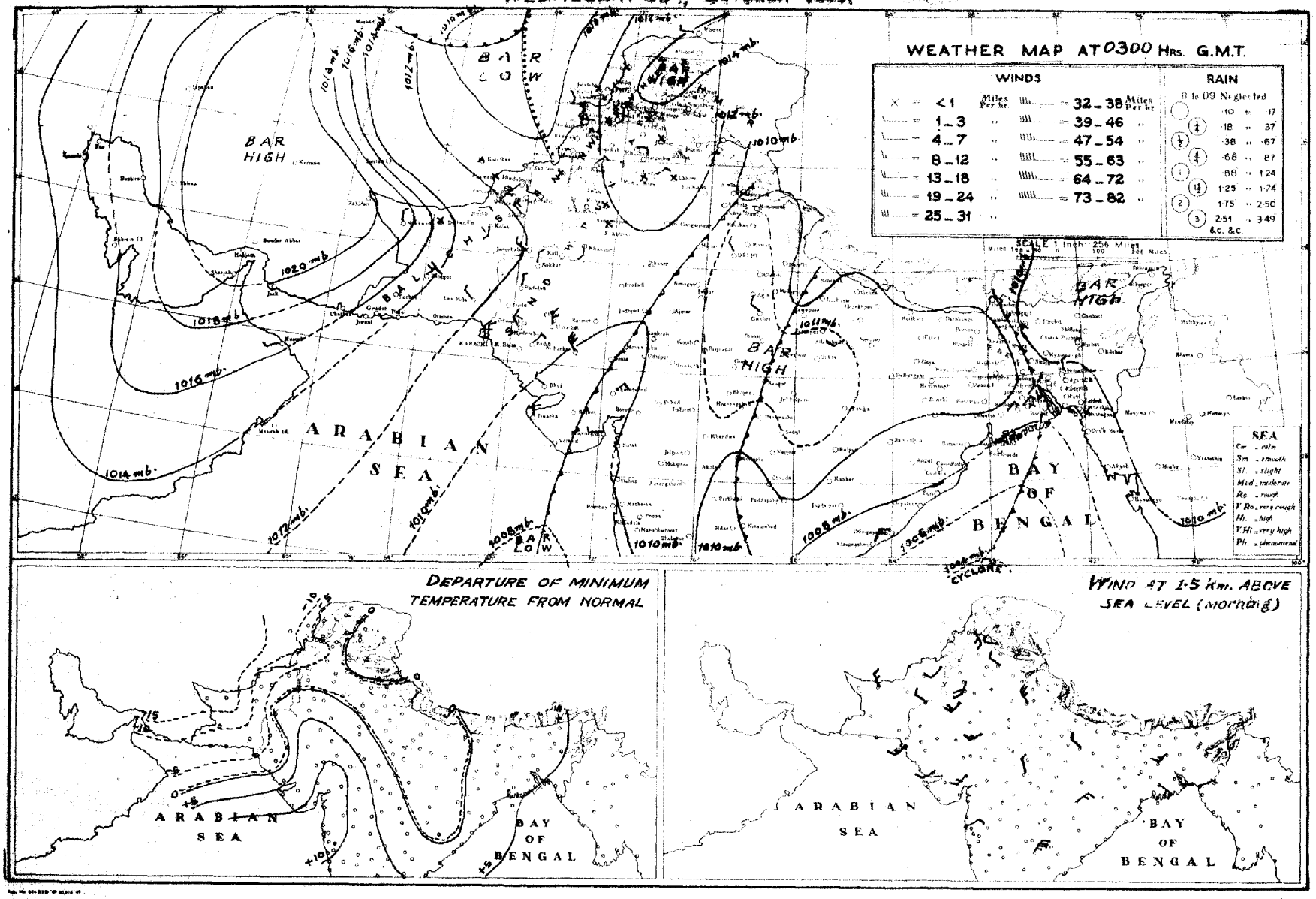




Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER REPORT

WEDNESDAY 26TH OCTOBER 1949.



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

Regd.No.....

WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G. M. T. on Wednesday, the 2nd November, 1949.

—o:O:o—

SUMMARY OF WEATHER.

An clouded western disturbance affected the upper North-West Frontier Province and the northwest Punjab during the first half of the week and caused few thundershowers. A Cyclonic storm from the south Bay of Bengal, which crossed coast near Cocanada on the Circars coast, on the 28th, moved later on as a depression in a north-northeasterly direction and filled up over Bihar on the 31st October. In association with the movement of this depression and the consequent influx of moist air into East Pakistan, there was a marked spell of thunderstorm activity; especially in the Eastern and Deltaic sub-divisions of East Pakistan, during the middle of the week.

Night temperatures were appreciably to markedly below normal in West Pakistan practically throughout the week.

Some of the noteworthy amounts of rainfall recorded during the week were:—Drosh 1" on the 29th; Dinajpur 1¼" on the 30th; Rangpur 3" and Dinajpur 1¼" on the 31st; Barisal 1½" and Chittagong 1" on the 1st.

2. EAST PAKISTAN: Rainfall was nearly general for two days in the Deltaic sub-division and on one day each in the Eastern and Northern sub-divisions. Local rainfall occurred in the Eastern sub-division on the 28th and 1st; and in the Northern sub-division on the 30th. A few falls were 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.

WEST PUNJAB: A few showers were recorded in the northwest Punjab on the 28th and in the hills on the 29th.

NORTH-WEST FRONTIER PROVINCE: A few showers were recorded over the hills on the 29th and 30th.

BALUCHISTAN: Weather continued dry.

SIND: Weather continued dry.

JUNAGADH: Data not available.

3. The week's rainfall was in excess in the northwest Punjab and in the Northern and Deltaic sub-divisions of East Pakistan. It was scanty in the Eastern sub-division of East Pakistan. Elsewhere no rainfall was recorded in the plains.

Rainfall for the period from 1st June 1949 to 31st October 1949 was in excess in Sind and the Northern sub-division of East Pakistan. It was normal in the Eastern sub-division of East Pakistan and in the northwest Punjab. It was deficient elsewhere.

4. The table overleaf summarises the rainfall statistics for the 11 sub-divisions of Pakistan both for the week ending on the 2nd November 1949 and for the period from 1st June 1949 to 31st October 1949.

KARACHI-11.
The 2nd November, 1949.

MOHAMMAD SHABBAR,
for Director, Meteorological Services.

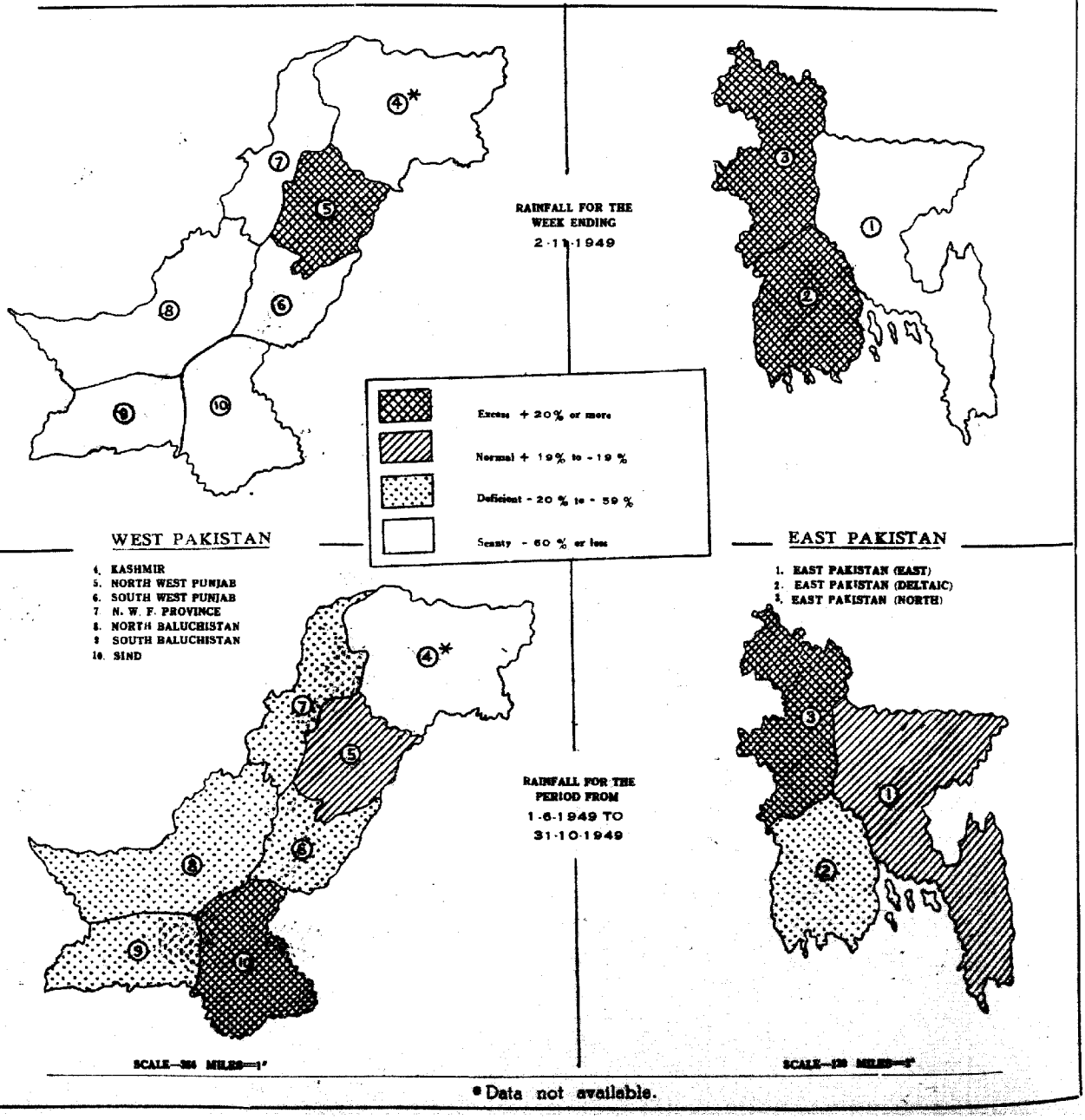
WEEKLY WEATHER REPORT

Division	Rainfall for week ending on 2nd November 1949.			Rainfall for period from 1-6-49 to 31st October 1949.			
	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	78.9	72.2	+ 6.7	+ 9
2. East Pakistan (Deltaic)	1.0	0.8	+ 0.2	41.1	53.3	− 12.2	− 23
3 East Pakistan (North)	1.6	0.4	+ 1.2	68.9	52.6	+ 16.3	+ 31
4. Kashmir †	....	....	....	....	....	....	...
5. North West Punjab	0	0	0	14.5	16.3	− 1.8	− 11
6. South West Punjab	0	0	0	3.5	5.4	− 1.9	− 36
7. N. W. F. P.	0	0	0	2.9	5.0	− 2.1	− 43
8. North Baluchistan	0	0	0	2.2	2.9	− 0.7	− 23
9. South Baluchistan	0	0	0	0.5	1.0	− 0.5	− 46
10. Sind	0	0	0	7.4	5.4	+ 2.0	+ 37
11. Junagadh †	...	....	....	...	....		...

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

† Data not available

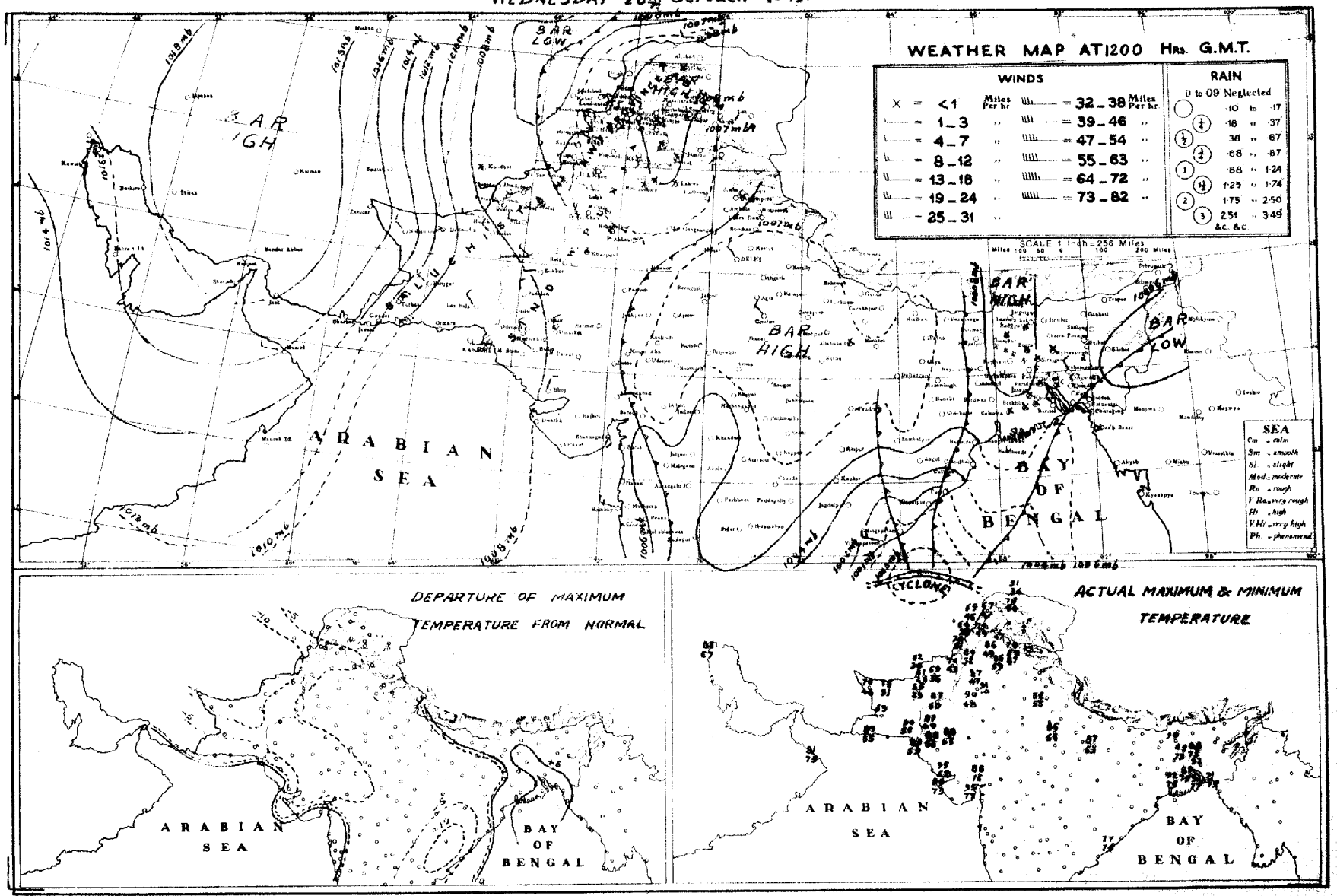
†† Rainfall for stations having no normals is not included.



* Data not available.

PAKISTAN DAILY WEATHER REPORT

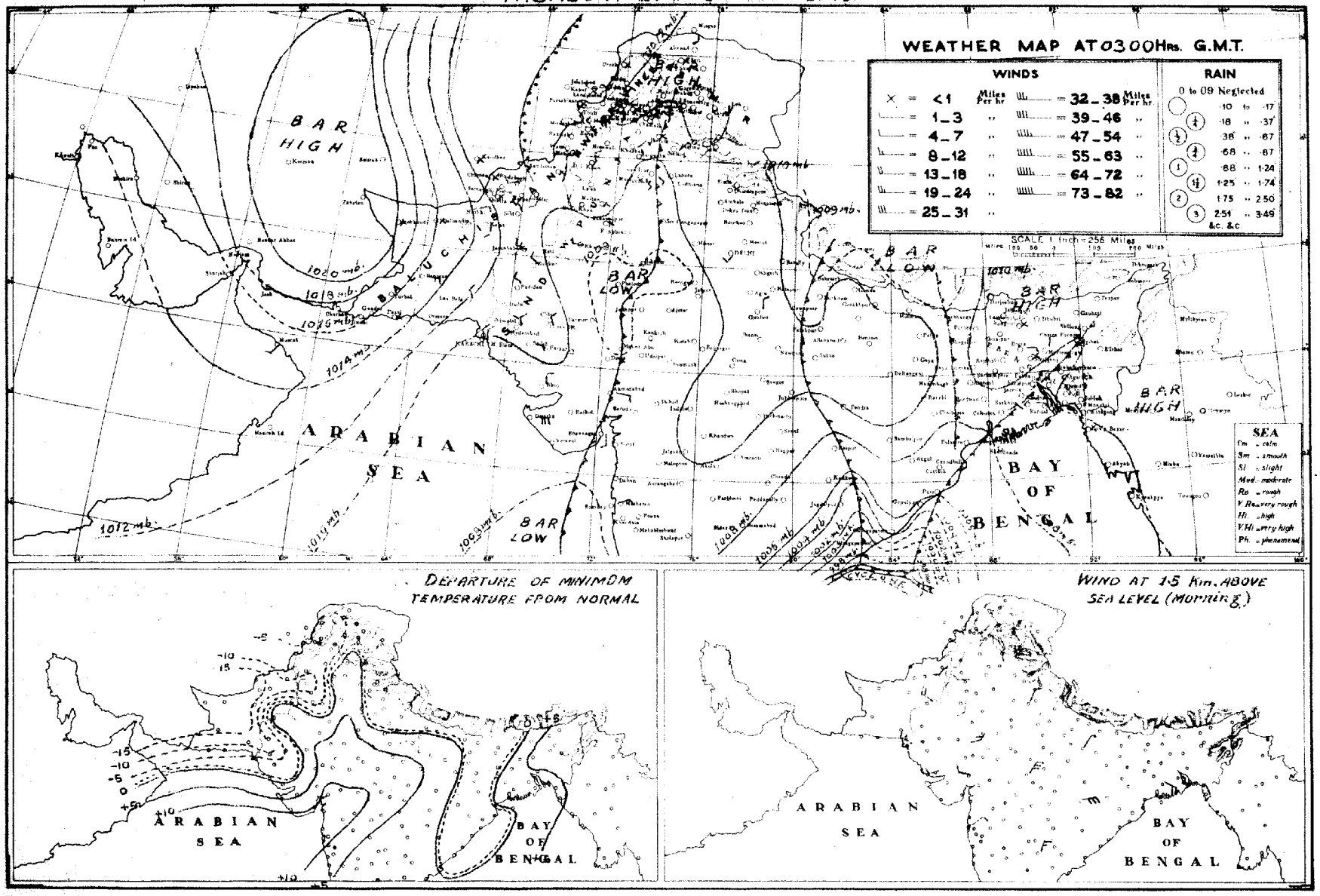
WEDNESDAY 26th OCTOBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

THURSDAY 27th OCTOBER 1949.


WEATHER MAP AT 0300 Hrs. G.M.T.
WINDS
Miles Per hr
< 1
1 – 3
4 – 7
8 – 12
13 – 18
19 – 24
25 – 31
32 – 38
39 – 46
47 – 54
55 – 63
64 – 72
73 – 82
RAIN
0 to 09 Neglected
10 to 17
18 " 37
38 " 67
68 " 87
88 " 1·24
1·25 " 1·74
1·75 " 2·50
2·51 " 3·49
&c. &c
SCALE 1 Inch = 256 Miles
SEA
Cm = calm
Sm = smooth
Sl = slight
Mod. = moderate
Ro = rough
V. Ro = very rough
Hi = high
V. Hi = very high
Ph. = phenomenal
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BAR LOW
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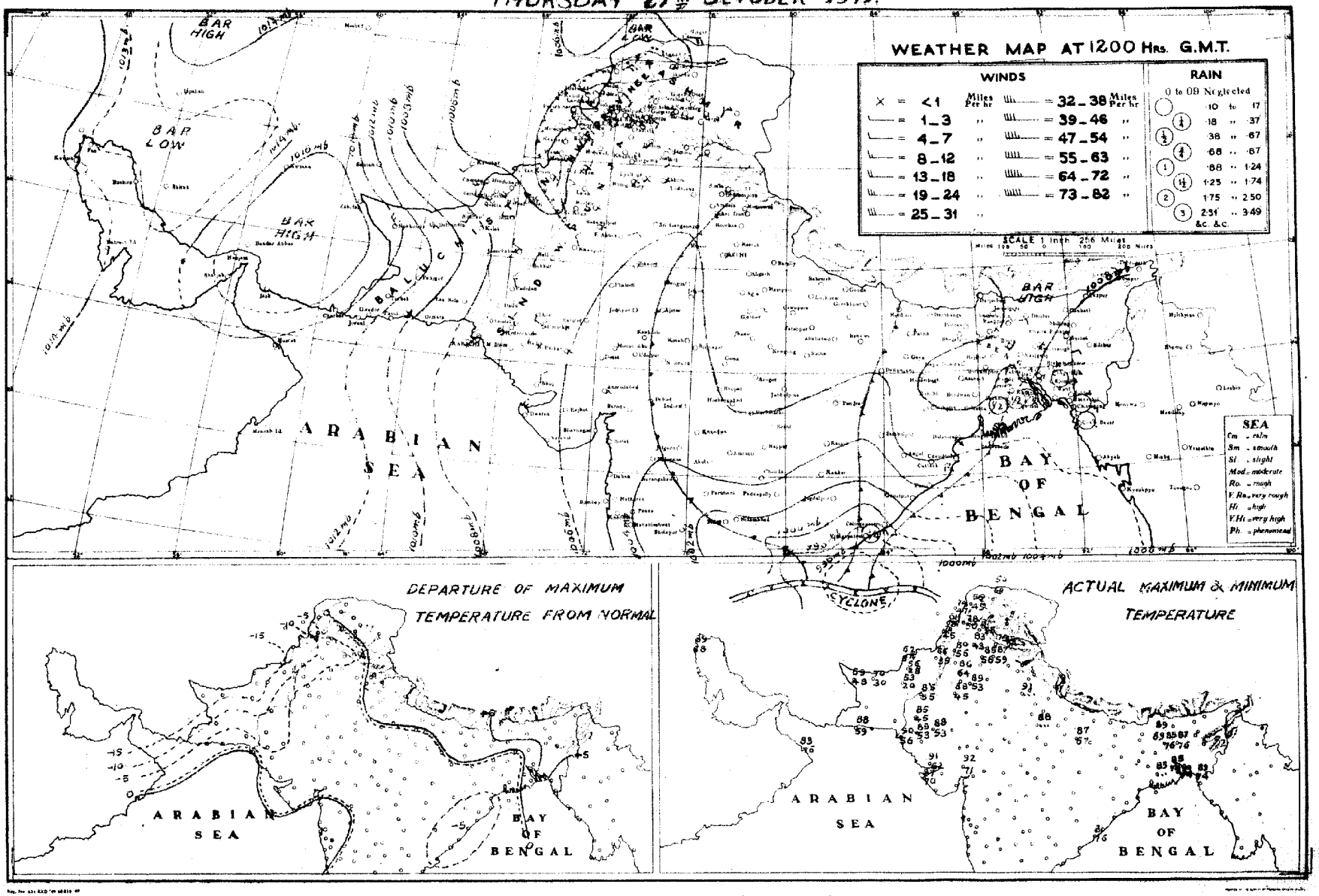
PAKISTAN DAILY WEATHER REPORT

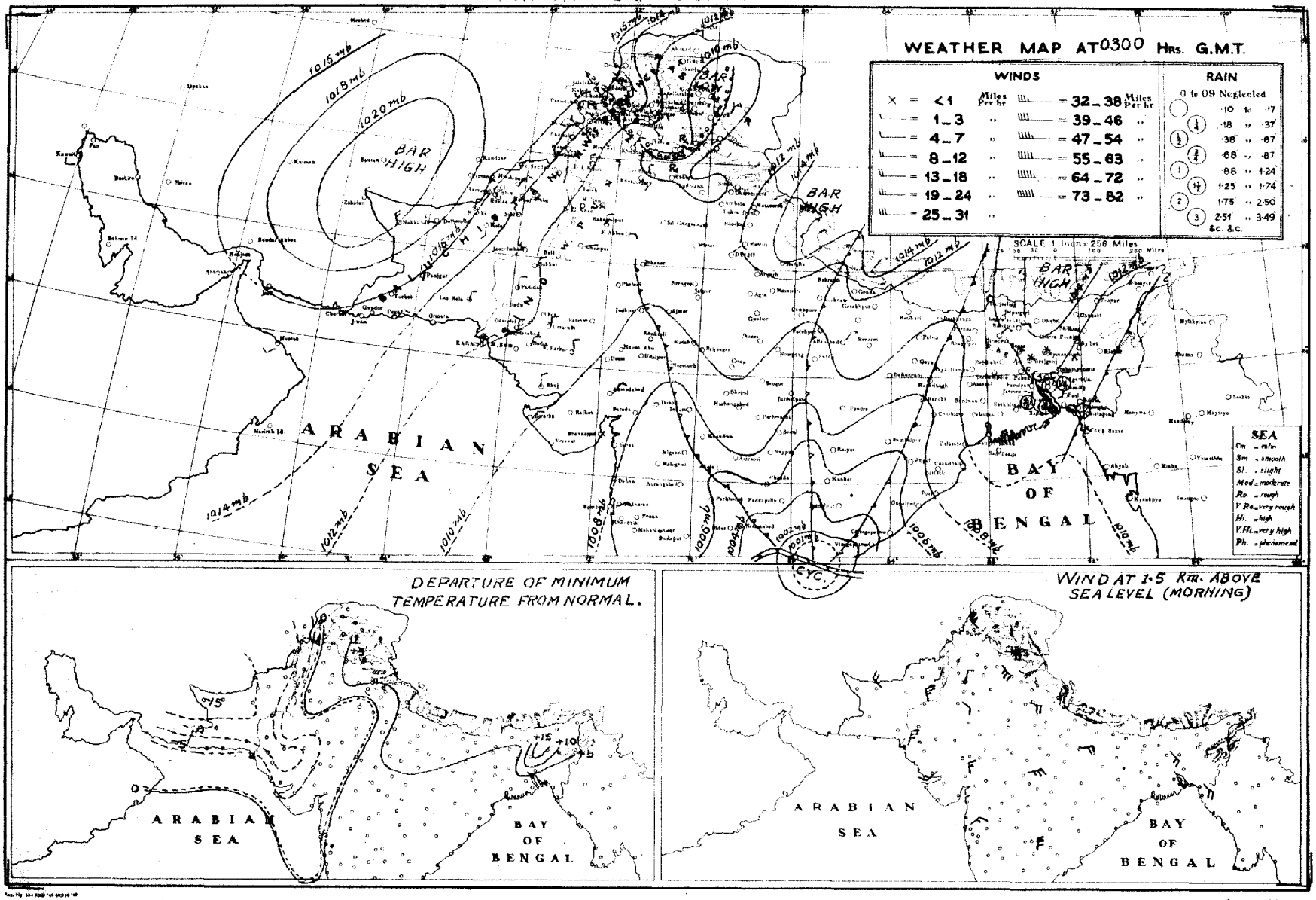
THURSDAY 27th OCTOBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

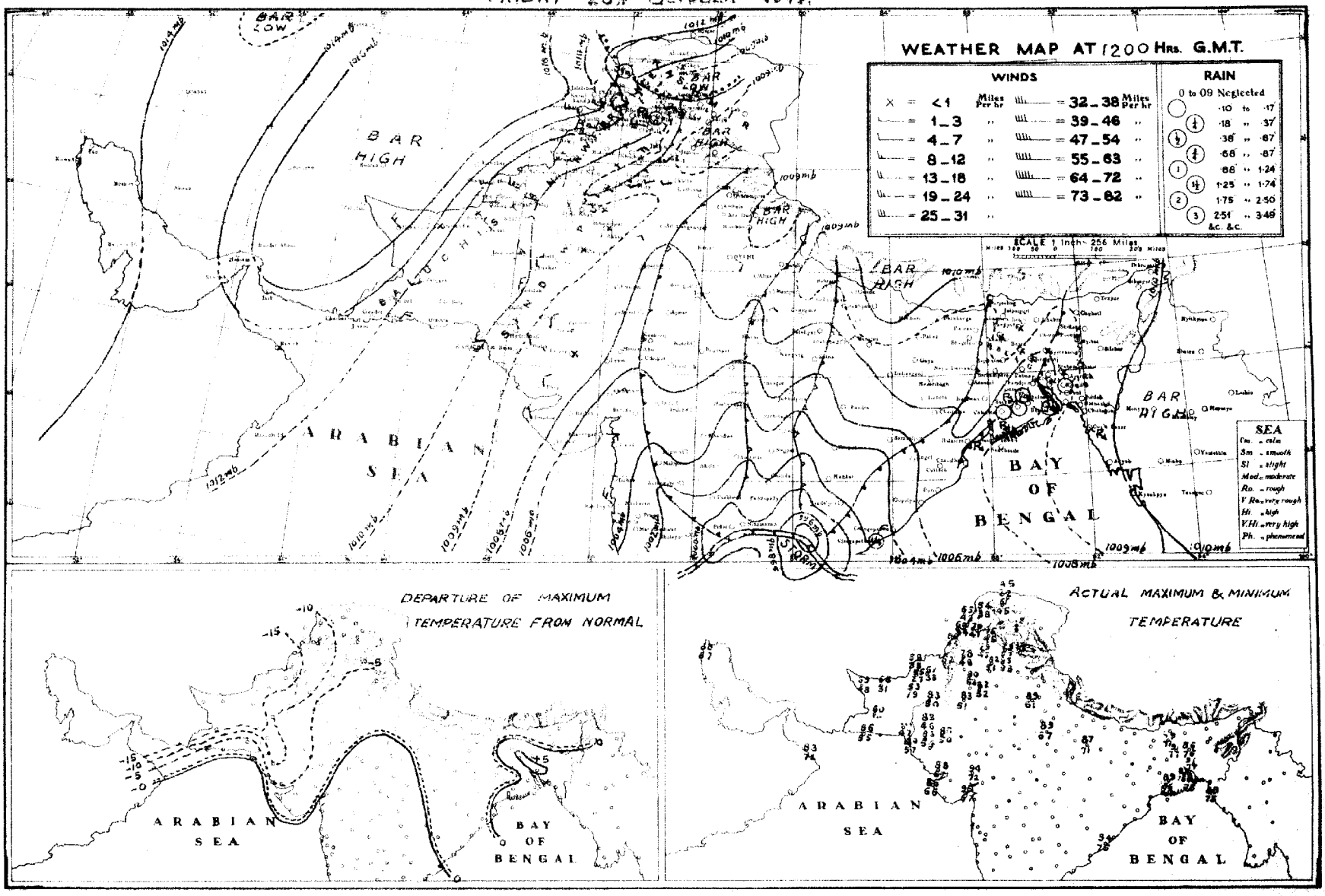
FRIDAY 28TH OCTOBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

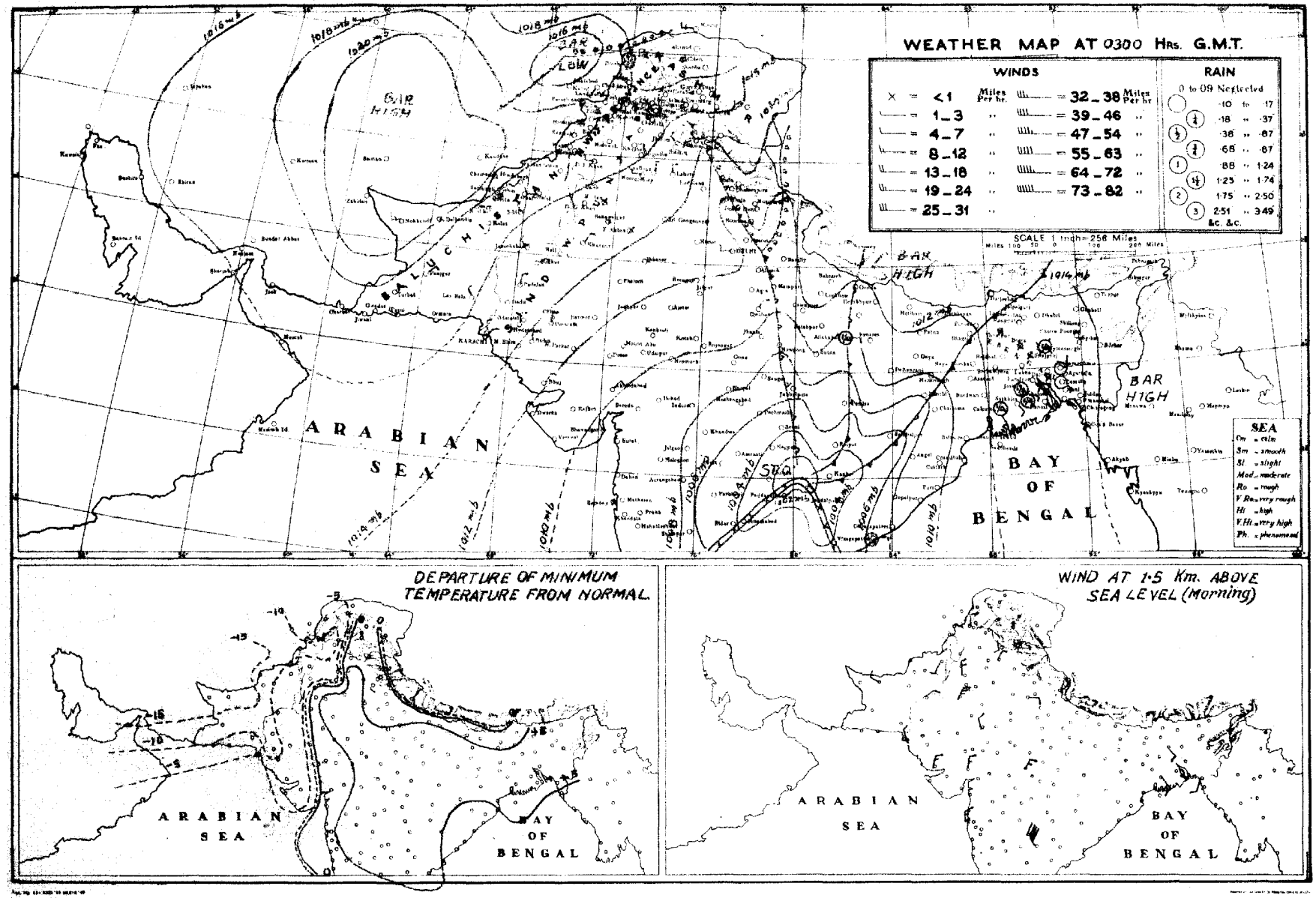
FRIDAY 28th OCTOBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

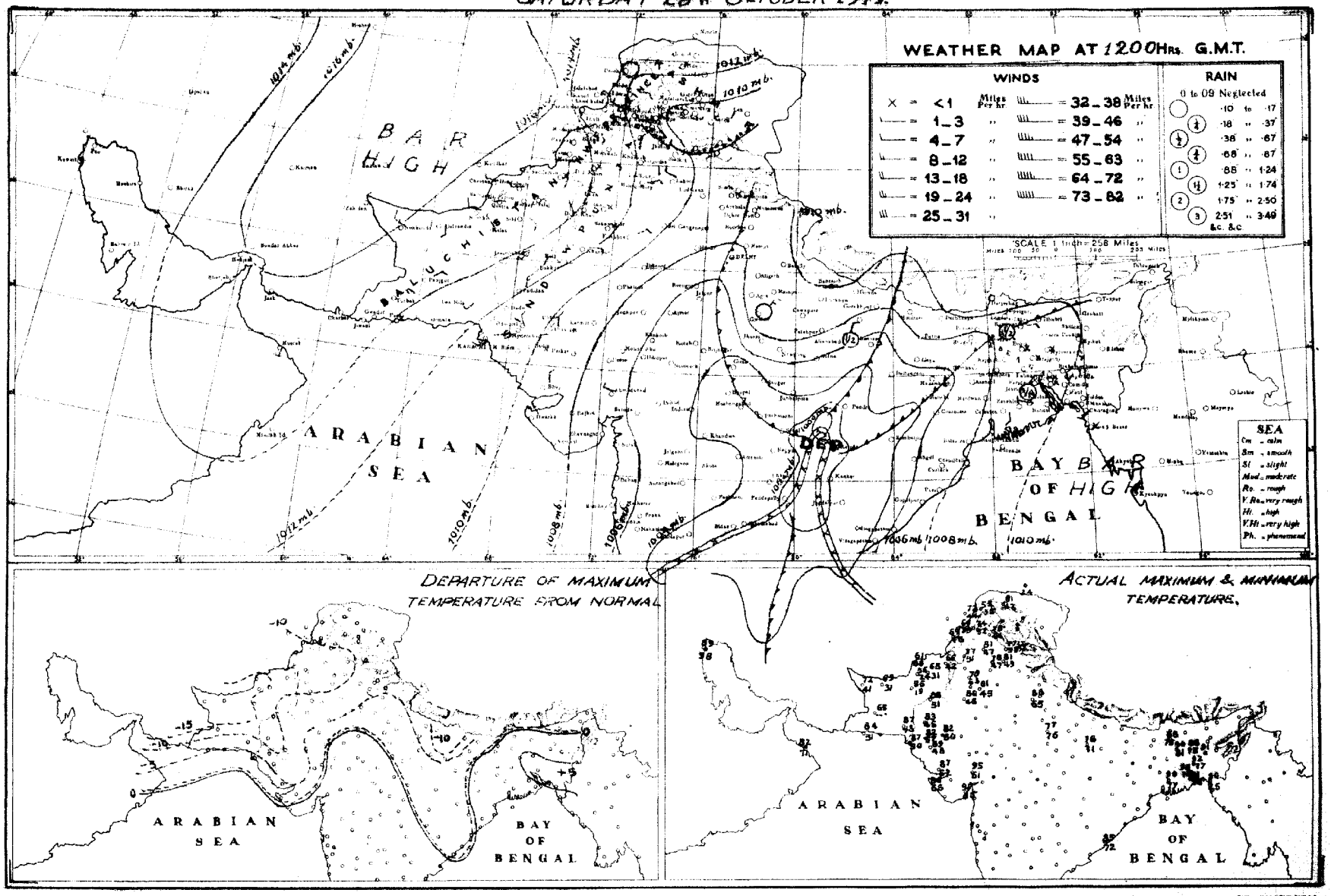
SATURDAY 29TH OCTOBER 1949



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

PAKISTAN DAILY WEATHER REPORT

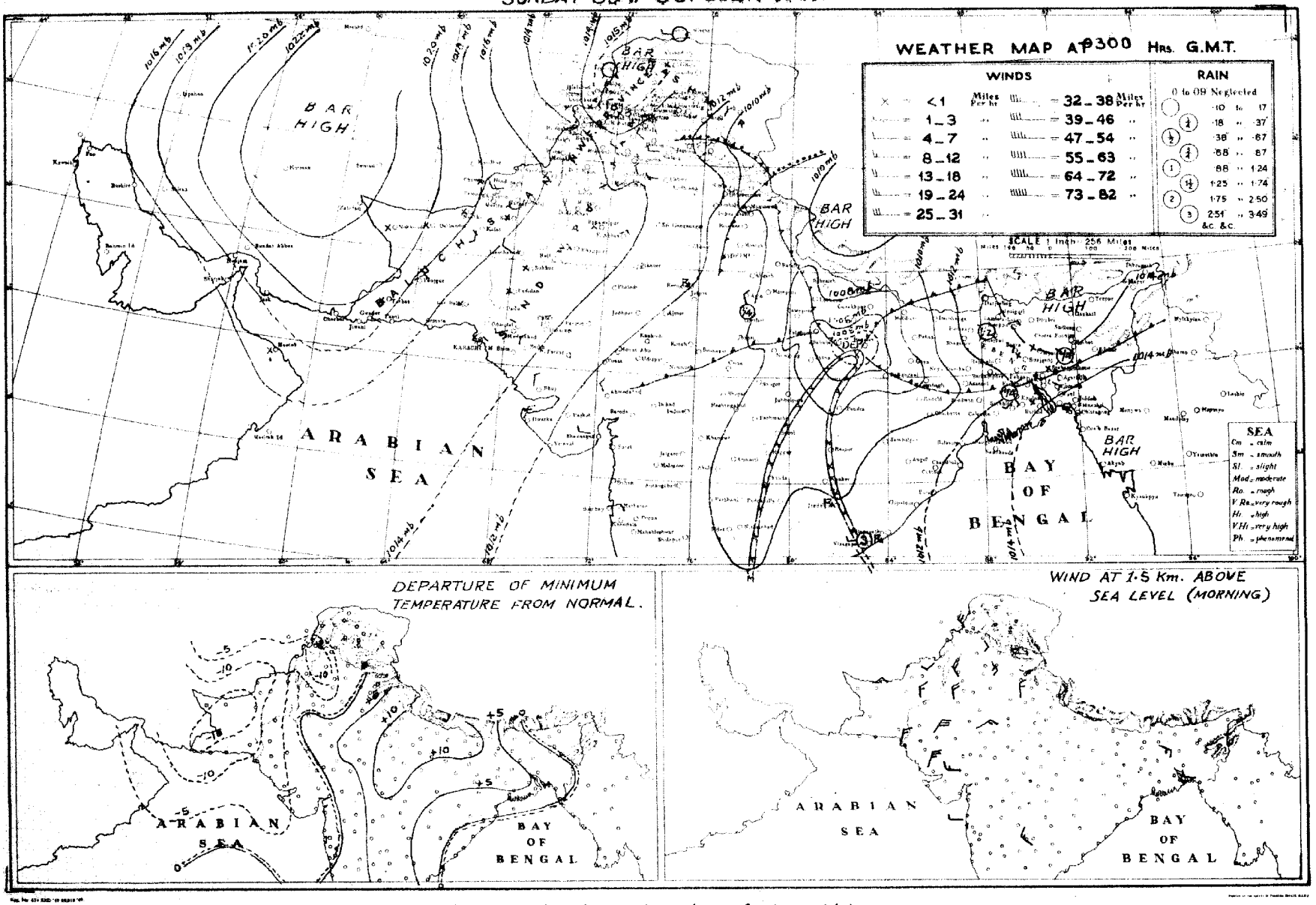
SATURDAY 29TH OCTOBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

SUNDAY 30TH OCTOBER 1949.



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

Regd. No.....

WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G. M. T. on Wednesday, the 9th November, 1949.

——o:O:o——

SUMMARY OF WEATHER.

Dry weather prevailed over the country during the week. Cold dry continental air swept over West Pakistan during the week A feeble western disturbance moving northeastwards through Russian Turkistan, however, caused cloudiness in the upper North-West Frontier Province and Kashmir on the 6th.

Night temperatures were appreciably below normal in West Pakistan from 3rd to 5th and in Sind and Baluchistan for the remaining days of the week.

2. EAST PAKISTAN.—Weather was dry.

KASHMIR.—Data not available.

WEST PUNJAB.—Weather was dry.

NORTH-WEST FRONTIER PROVINCE —Weather was dry.

BALUCHISTAN —Weather continued dry.

SIND.—Weather continued dry.

JUNAGADH —Data not available.

3. No rain fell in West Pakistan during the week.

Rainfall for the period from 1st November, 1949 to date was deficient in the Deltaic sub-division and scanty in the Eastern sub-division of East Pakistan. Elsewhere no rainfell.

4. The table overleaf summarises the rainfall statistics for the 11 sub-divisions of Pakistan both for the week and for the period from 1st November, 1949 to date.

KARACHI-11.
The 9th November, 1949.

MOHAMMAD SHABBAR,
for Director, Meteorological Services.

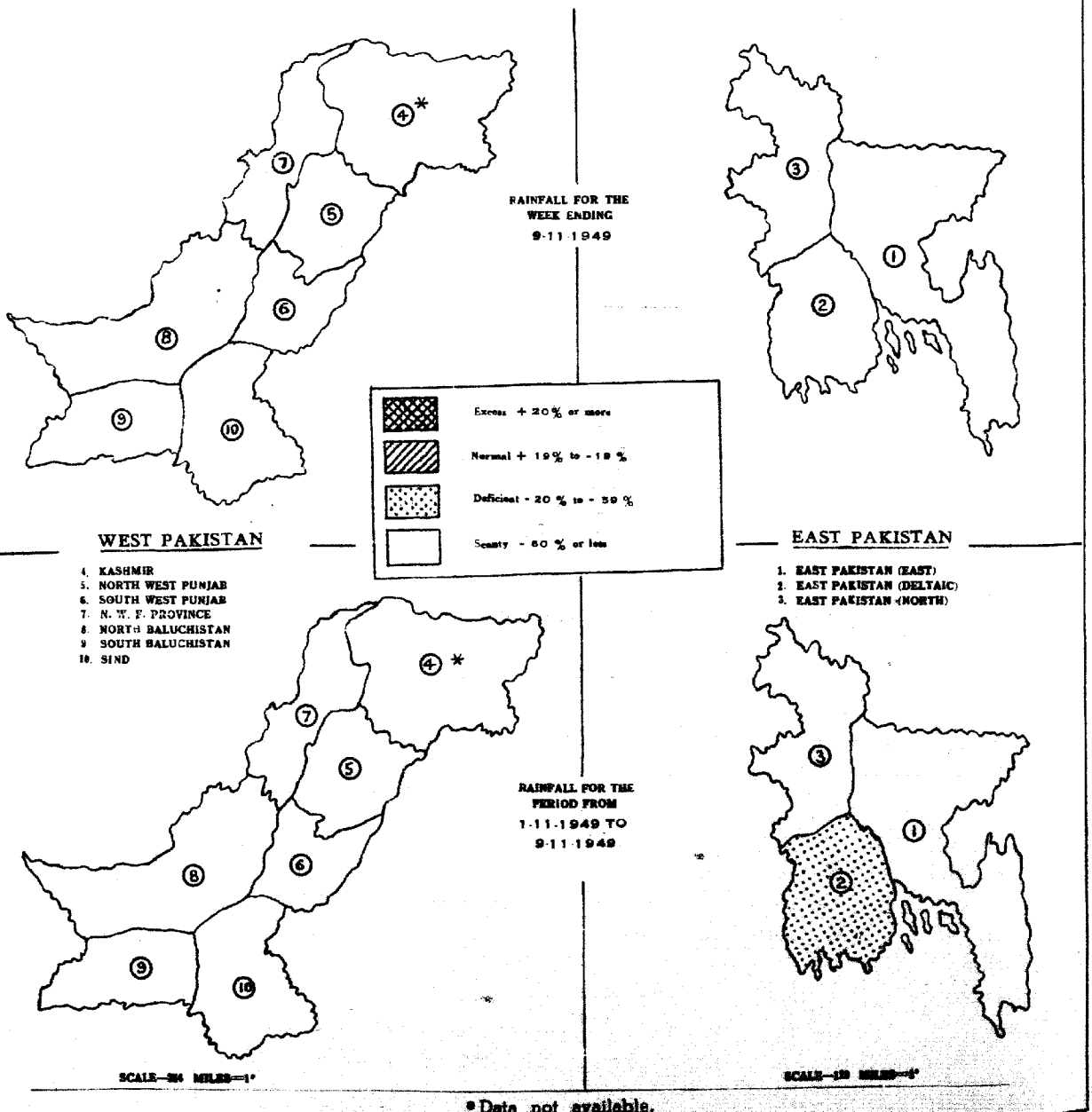
WEEKLY WEATHER REPORT

Division	Rainfall for week ending on 9th November 1949.			Rainfall for period from 1-11-49. to 9th November 1949.			
	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	0.7	−0.7	0.3	1.0	− 0.7	− 74
2. East Pakistan (Deltaic)	0	0.4	−0.4	0.3	0.6	− 0.3	− 49
3. East Pakistan (North)	0	0.3	−0.3	0	0.3	− 0.3	−100
4. Kashmir †	....	....	....	....	....	....	...
5. North West Punjab	0	0	0	0	0	0	...
6. South West 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	....
9. South Baluchistan	0	0	0	0	0	0	....
10. Sind	0	0	0	0	0	0	...
11. Junagadh †	...	....	....	...	....		...

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

† Data not available

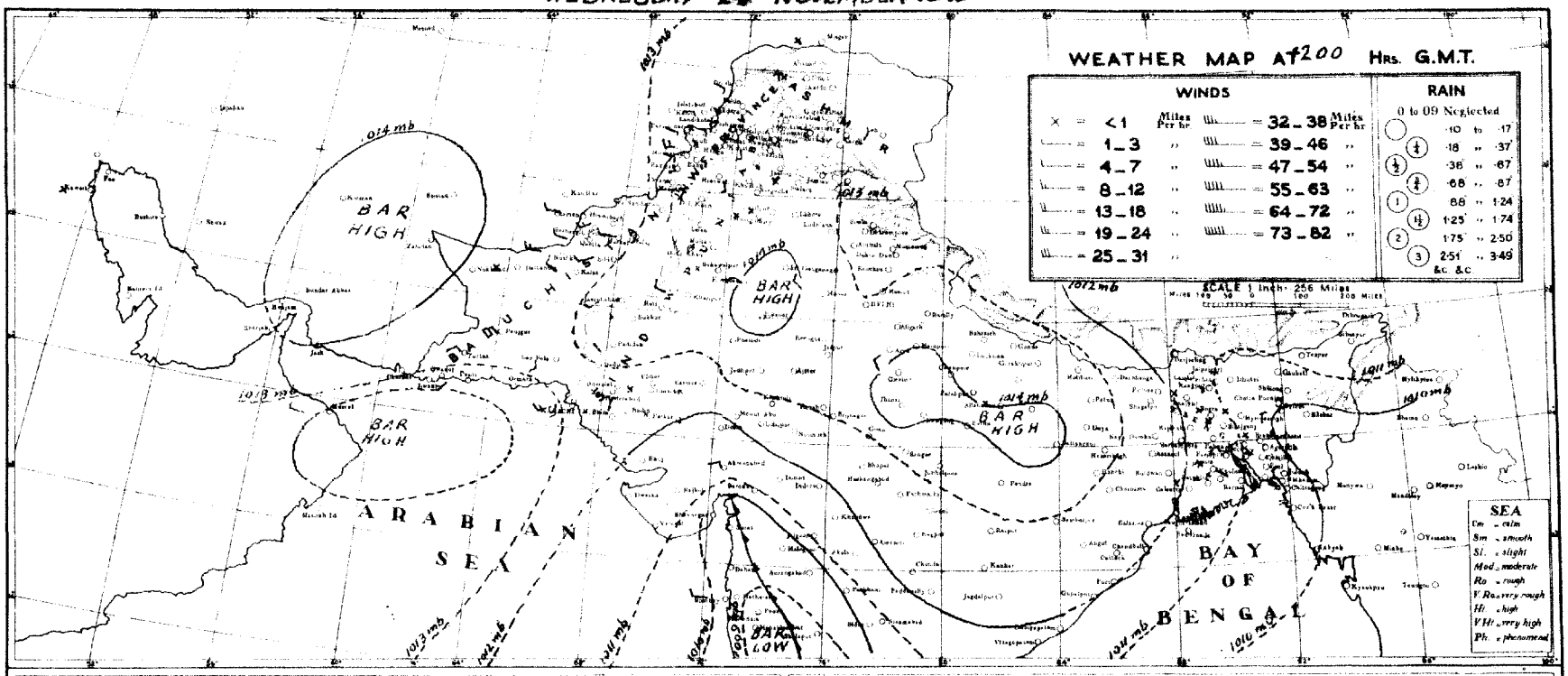
†† Rainfall for stations having no normals is not included.

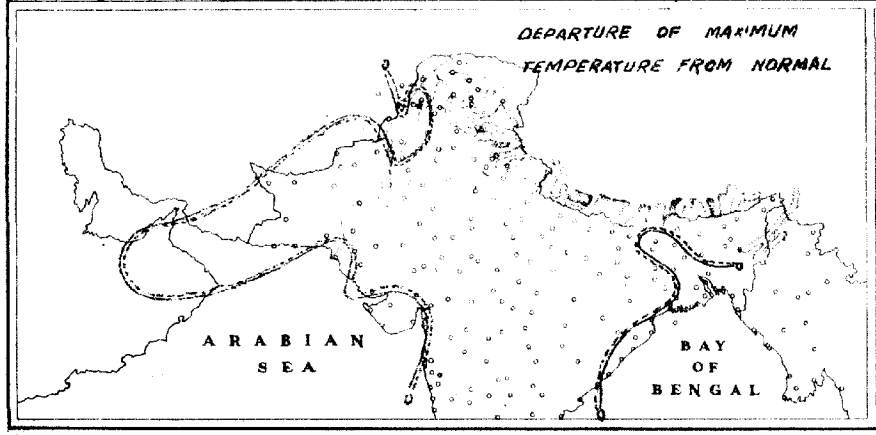


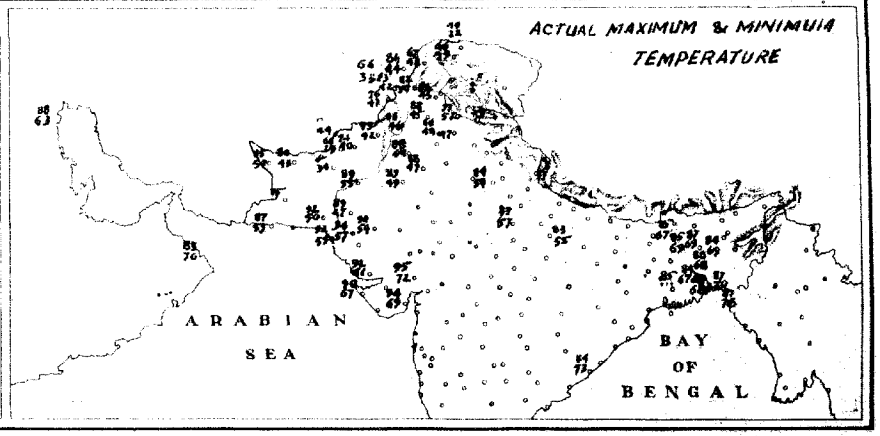
* Data not available.

PAKISTAN DAILY WEATHER REPORT

WEDNESDAY 2nd NOVEMBER 1949



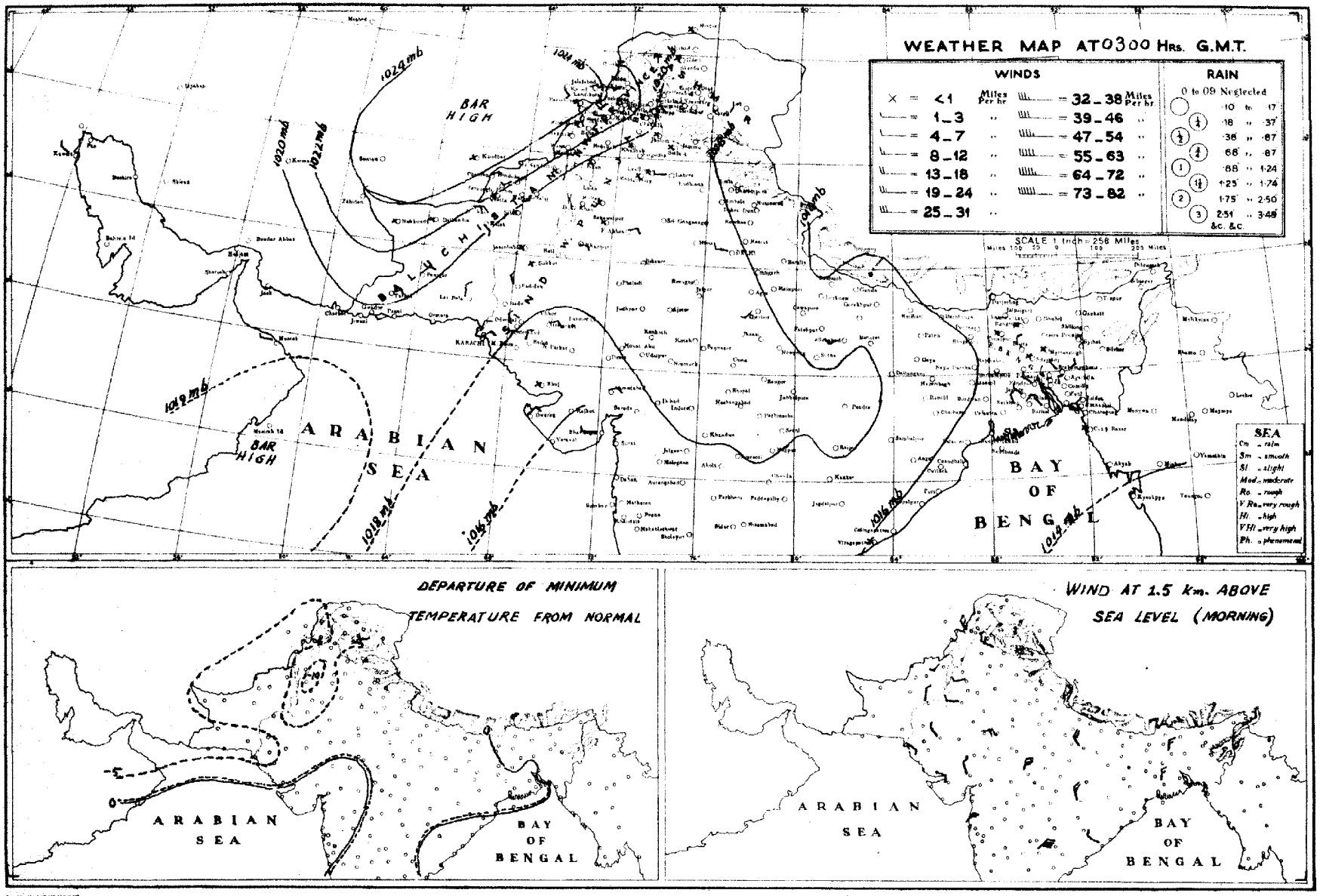




Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER REPORT

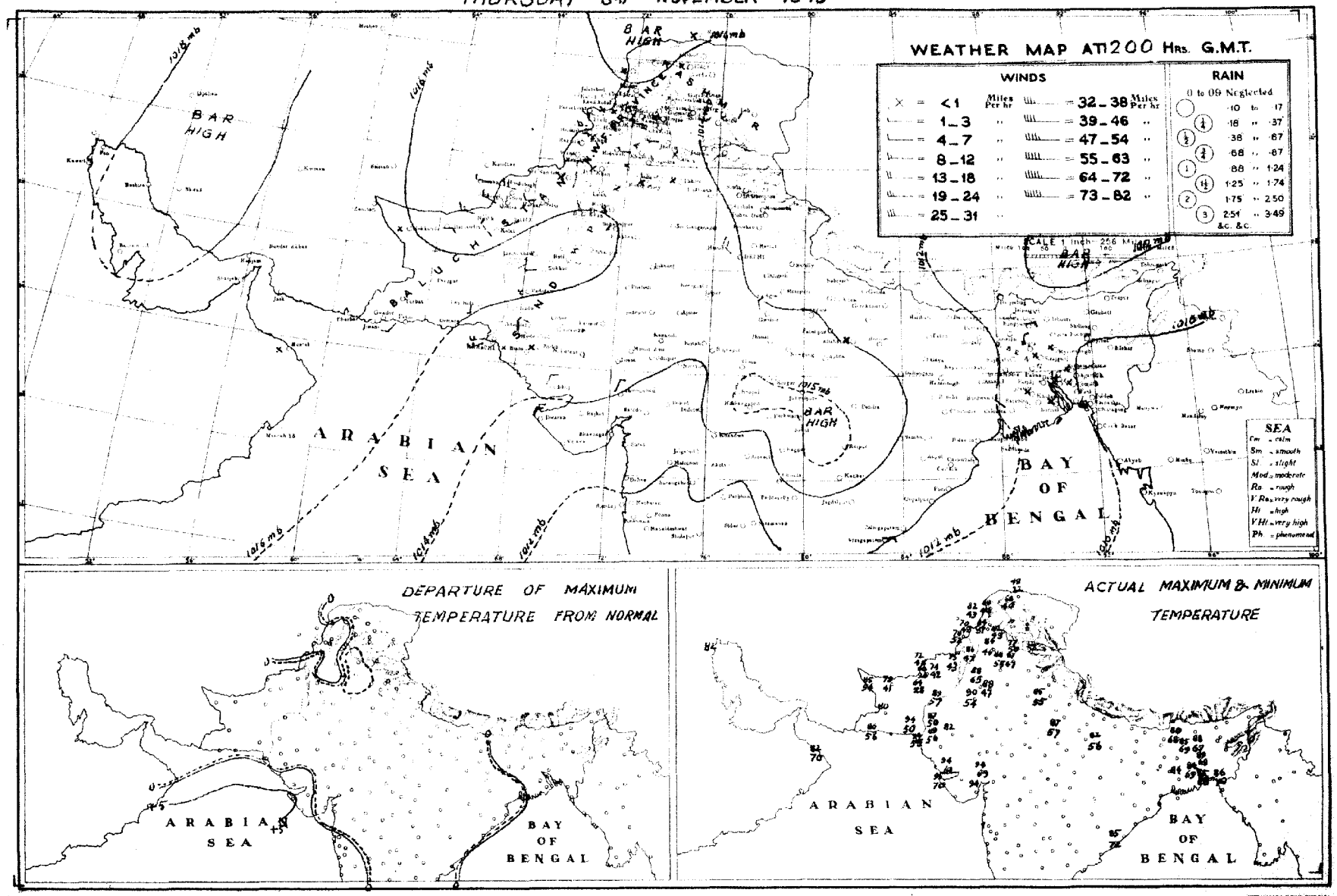
THURSDAY 3rd NOVEMBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

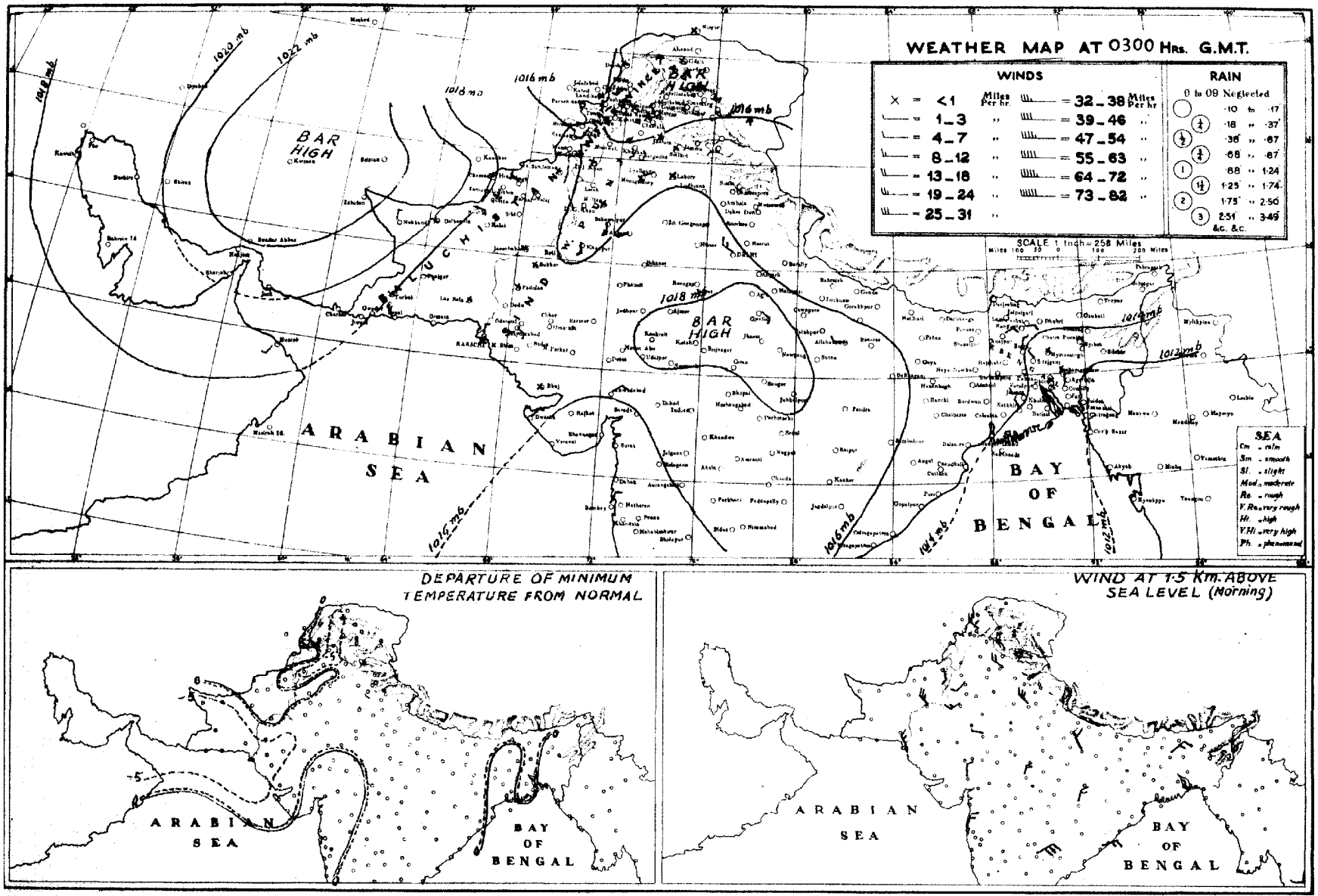
THURSDAY 3rd NOVEMBER 1949



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

PAKISTAN DAILY WEATHER REPORT

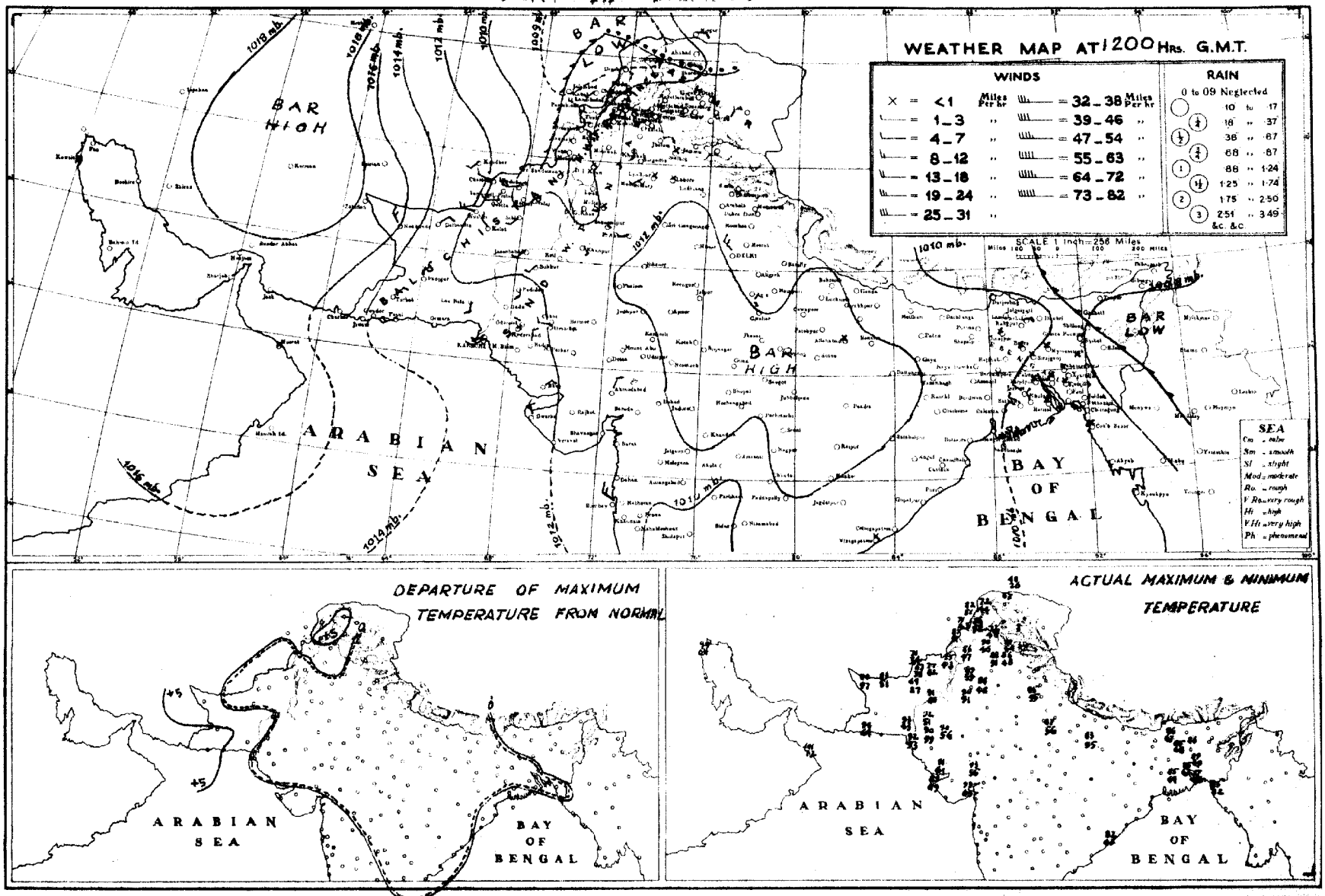
FRIDAY 4TH NOVEMBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

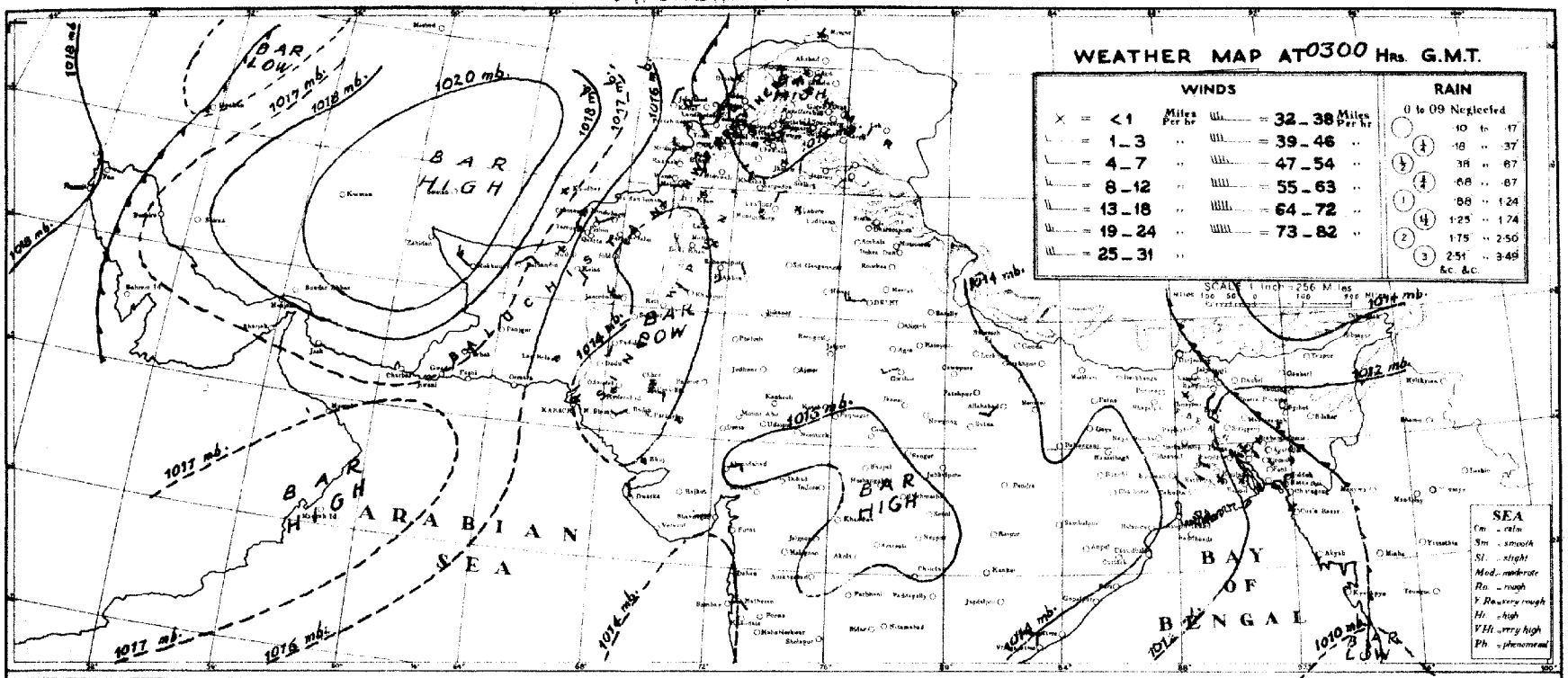
FRIDAY 4TH NOVEMBER 1949

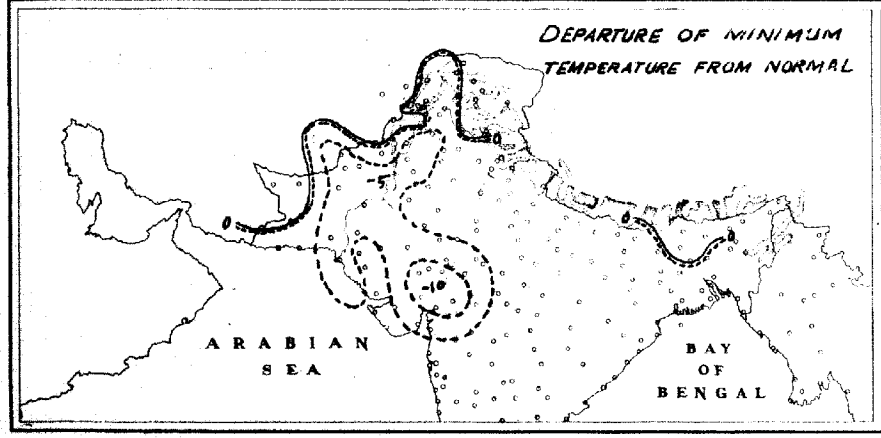


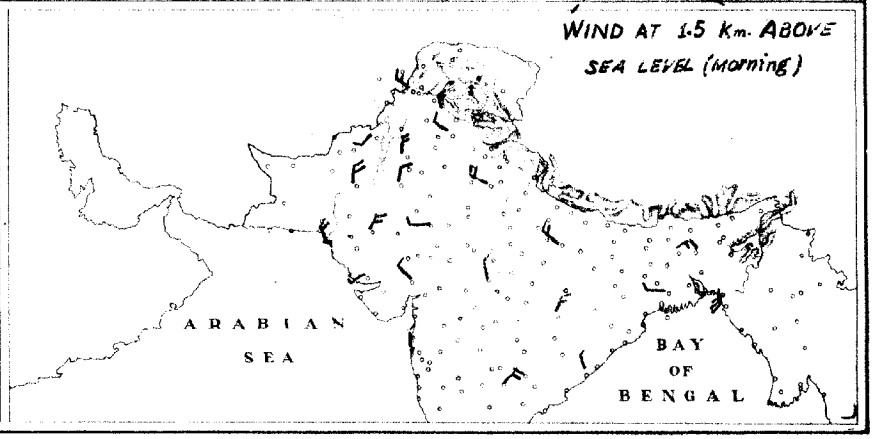
Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER REPORT

SATURDAY 5TH NOVEMBER 1949.



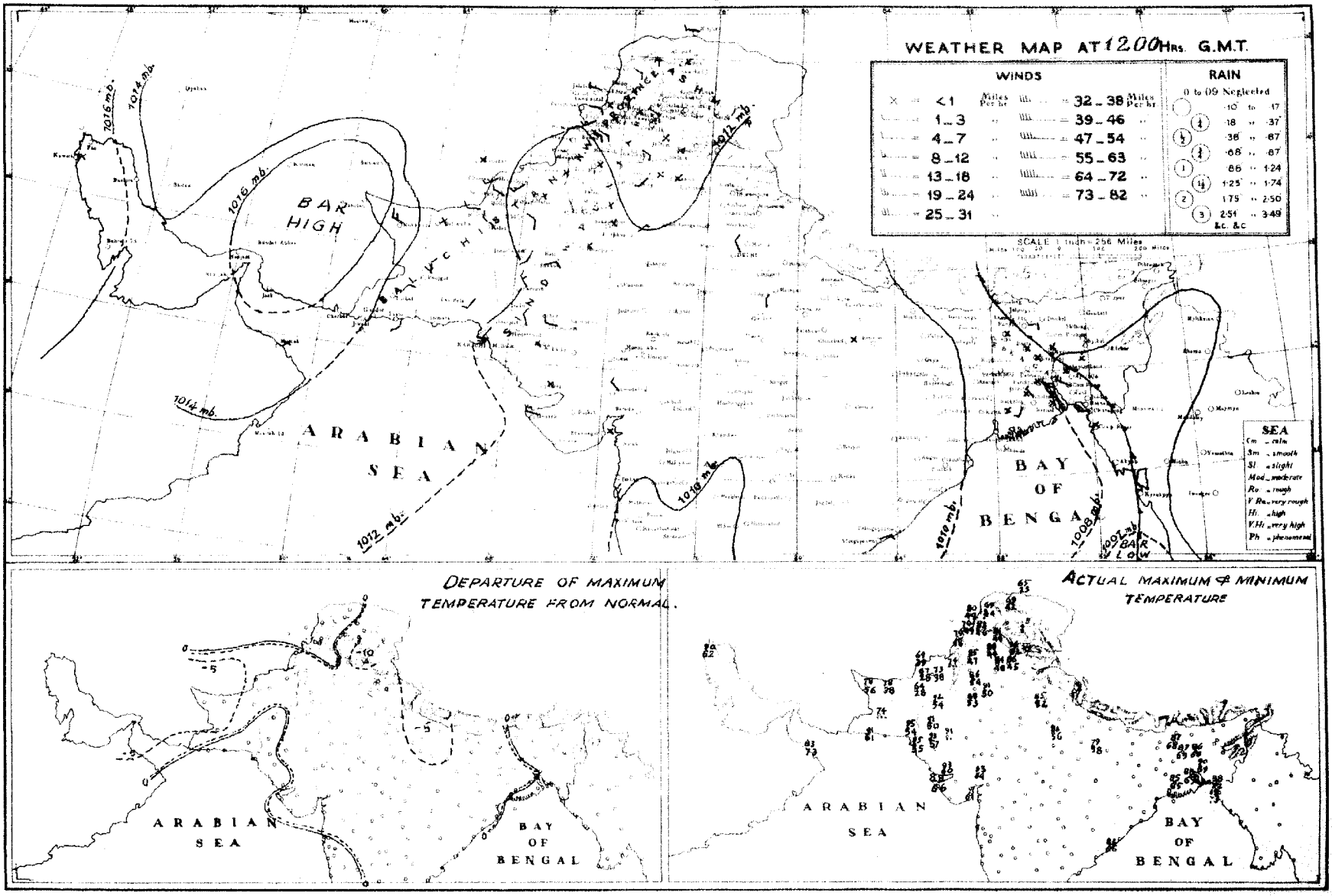




Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER REPORT

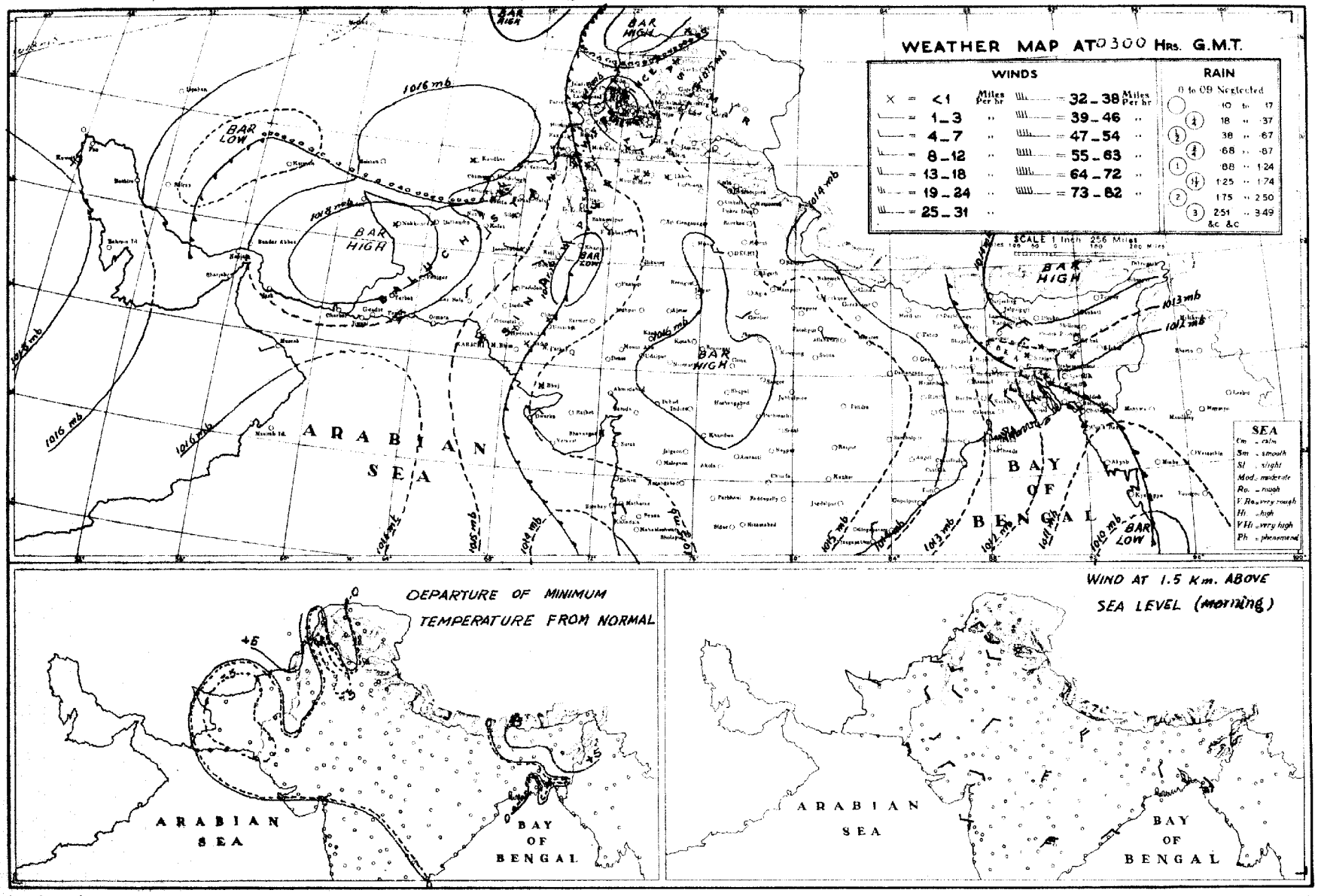
SATURDAY 5th NOVEMBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

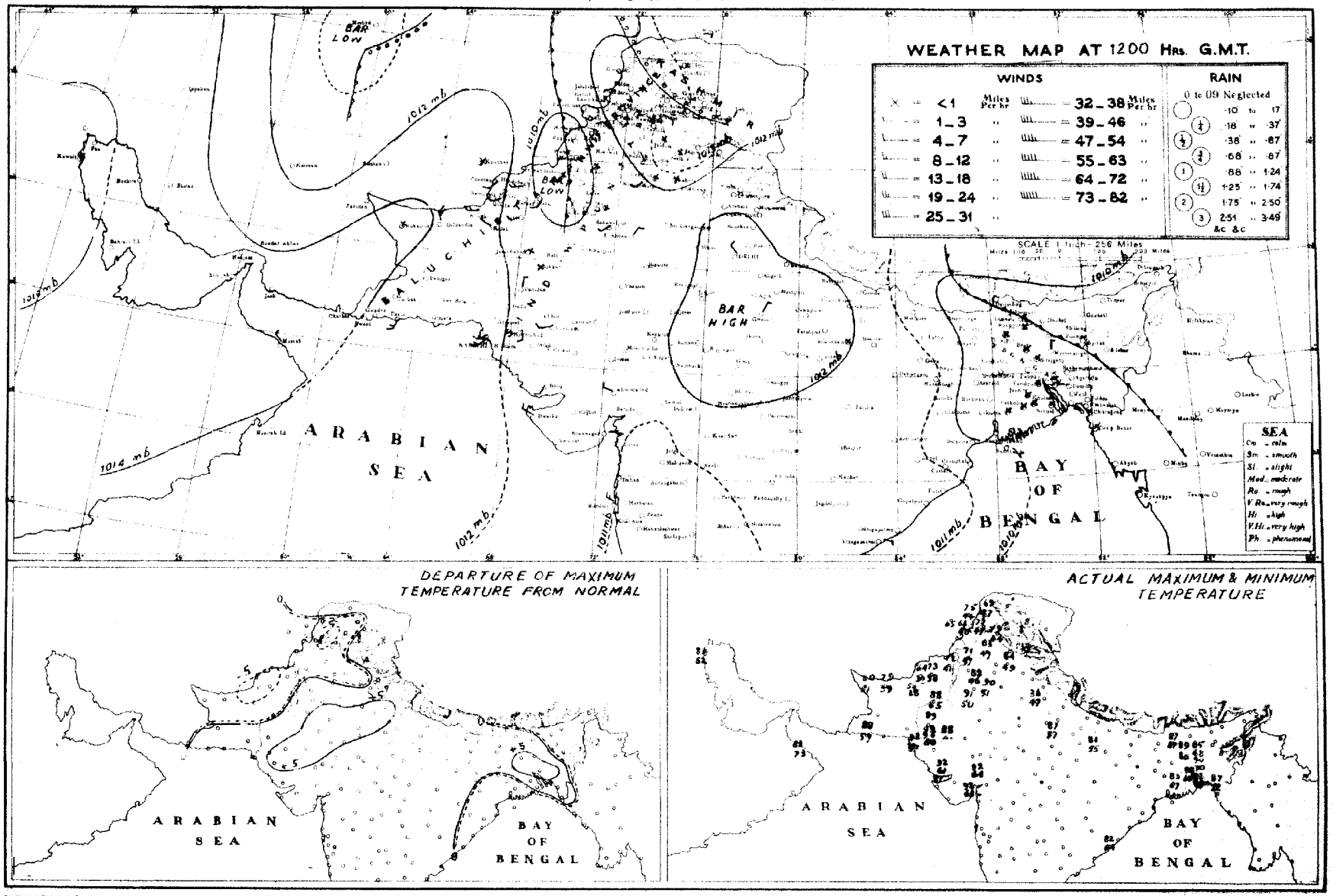
SUNDAY 6th NOVEMBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

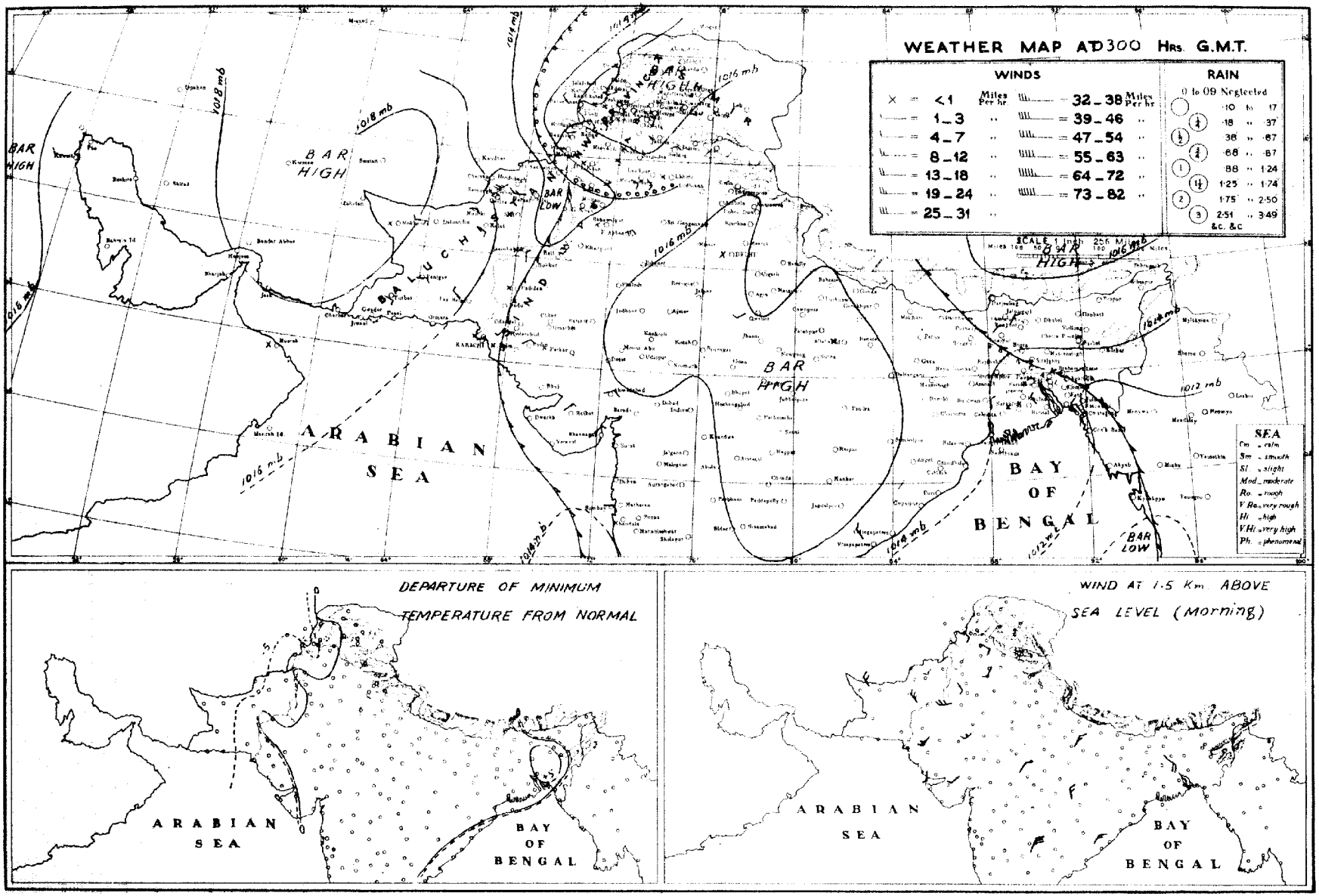
SUNDAY 6TH NOVEMBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

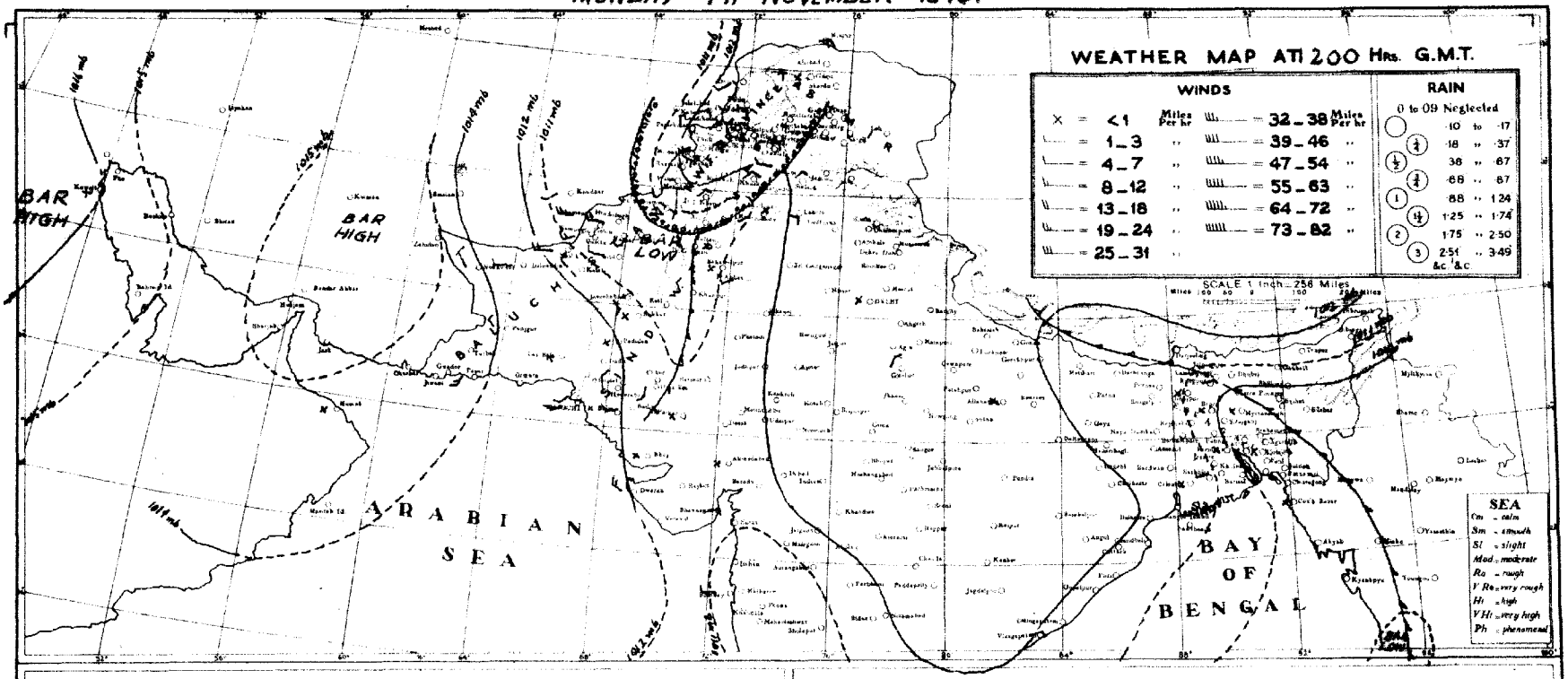
MONDAY 7th NOVEMBER 1949

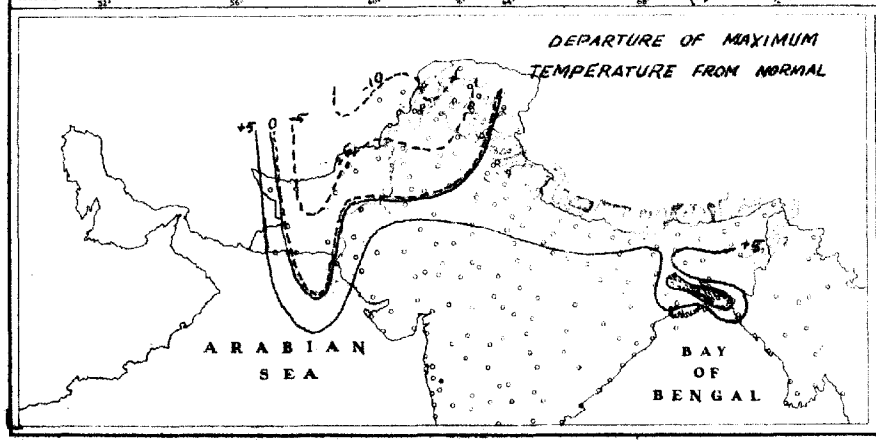


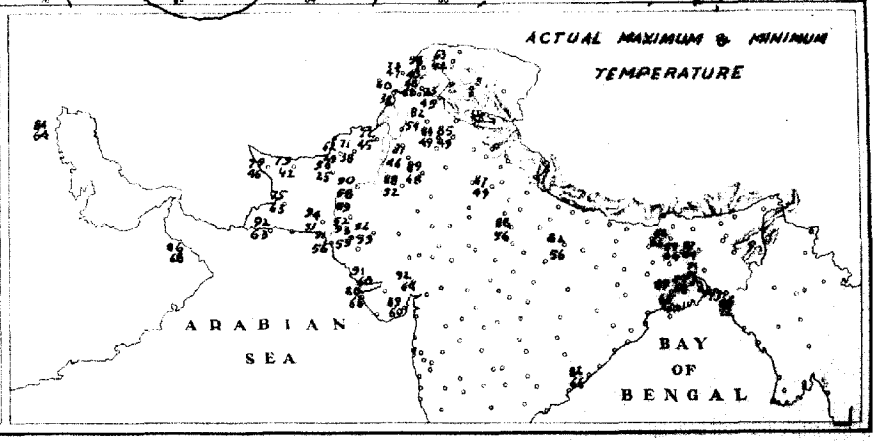
Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER REPORT

MONDAY 7TH NOVEMBER 1949.



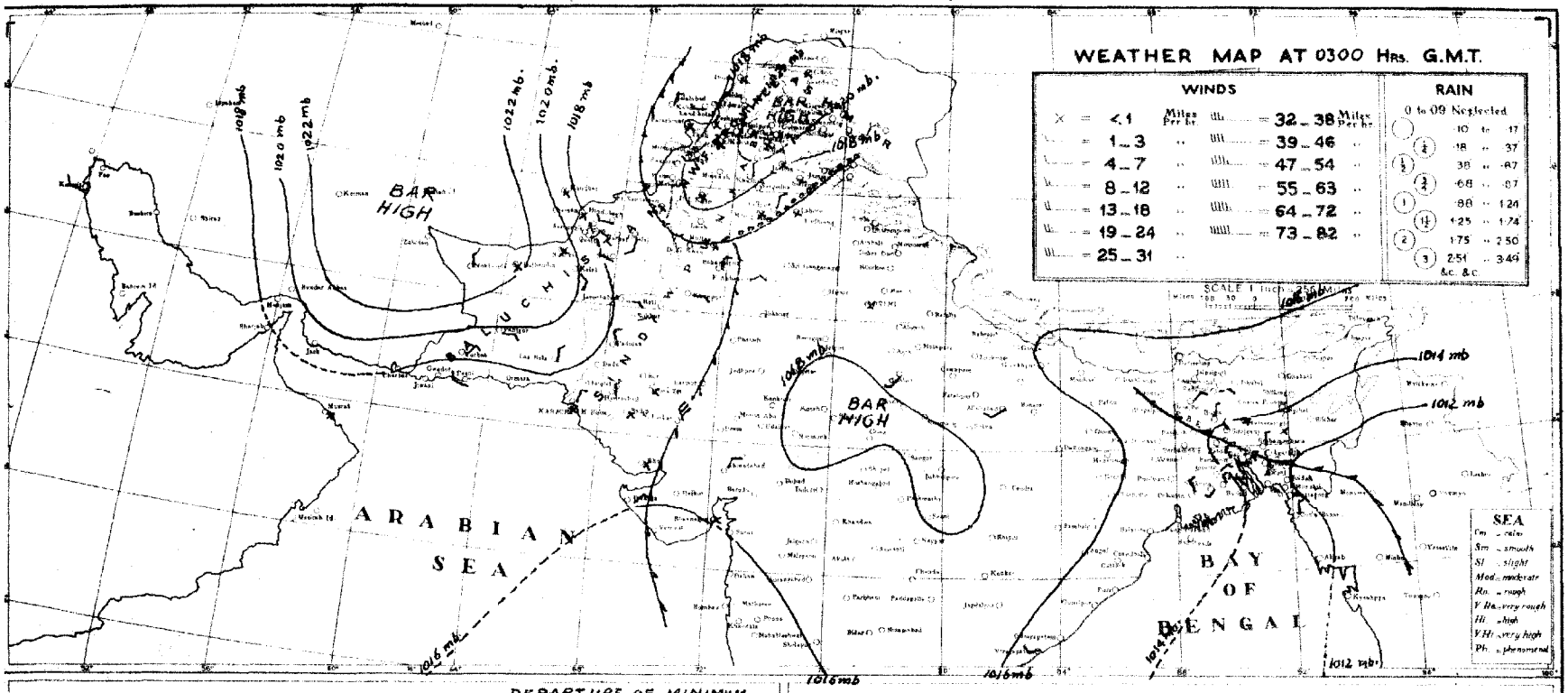


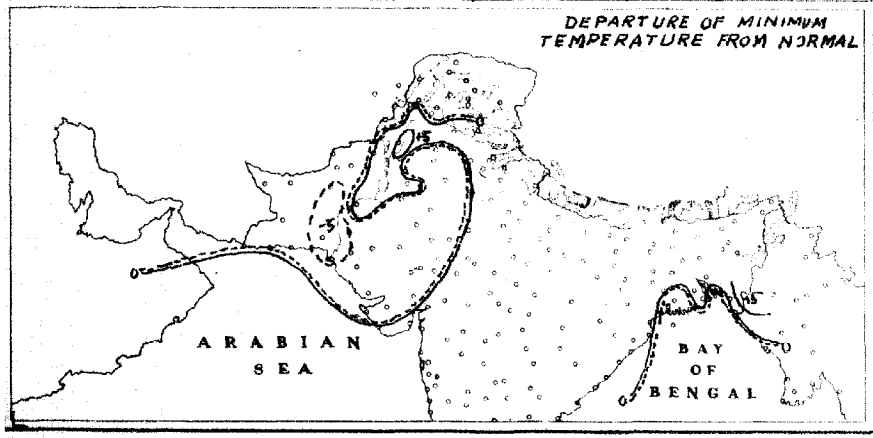


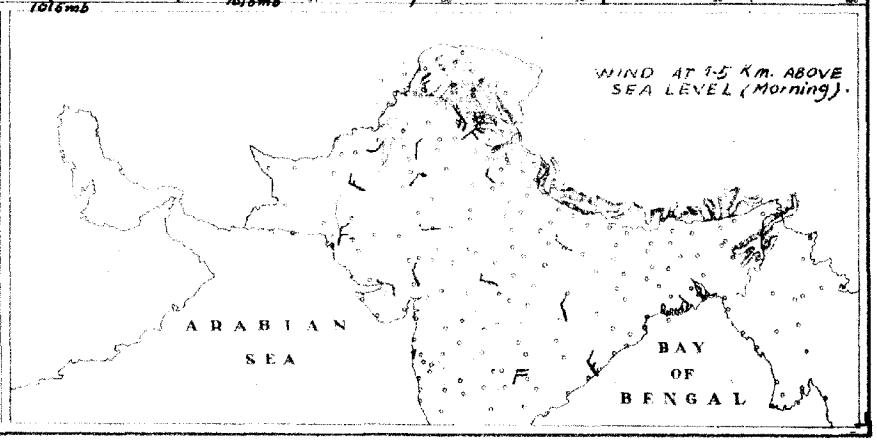
Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER REPORT

TUESDAY 8TH NOVEMBER 1949



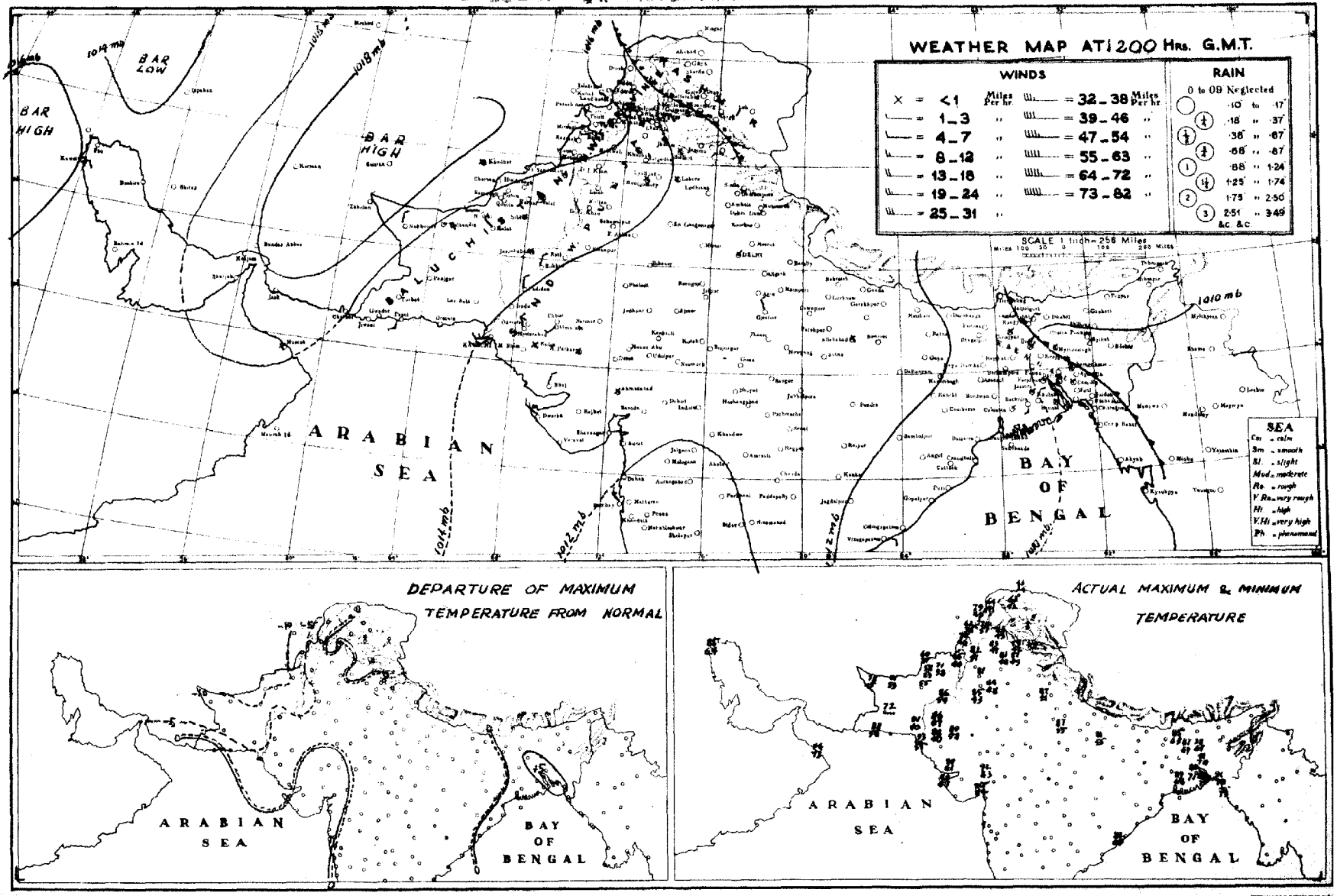




Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER REPORT

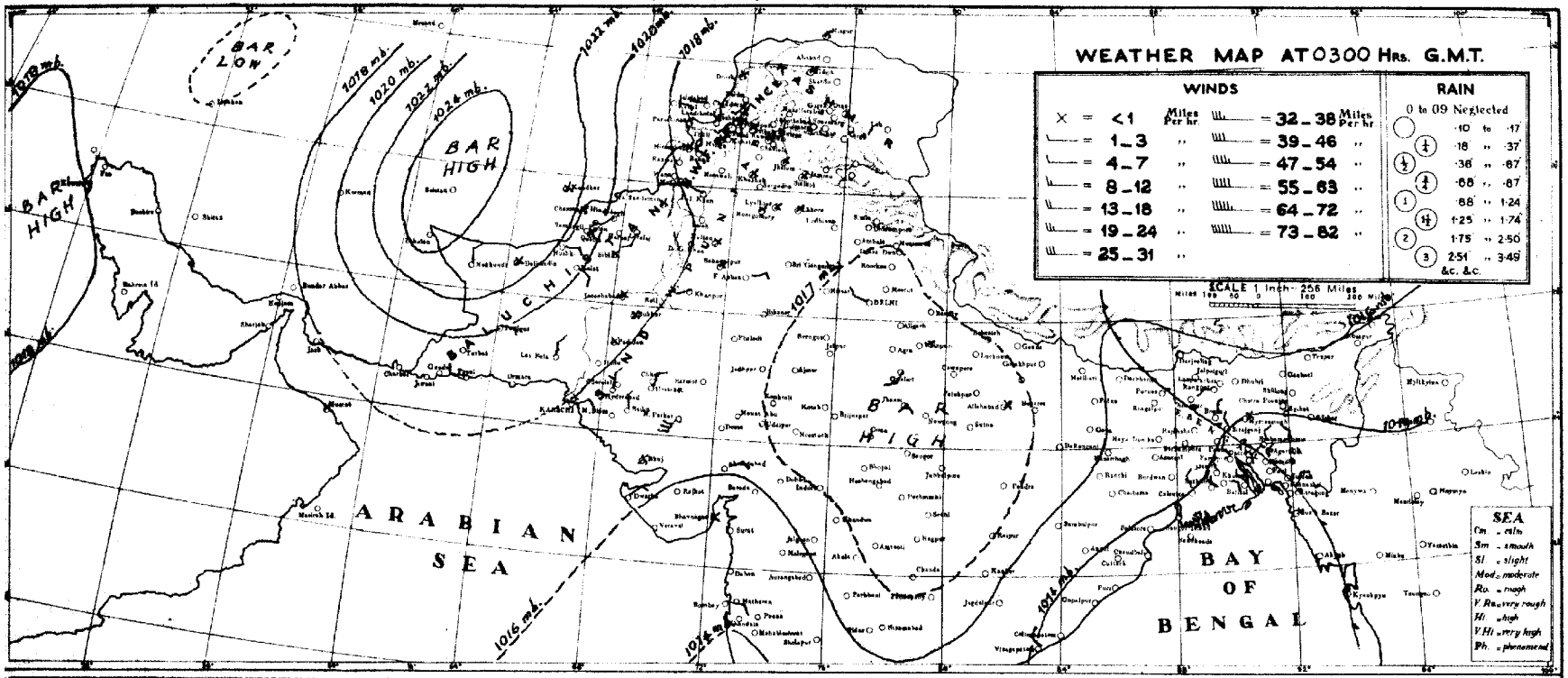
TUESDAY 8th NOVEMBER 1949



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

PAKISTAN DAILY WEATHER REPORT

WEDNESDAY 9TH NOVEMBER 1949.



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

Regd.No.....

WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G. M. T. on Wednesday, the 16th November, 1949.

——o:O:o——

SUMMARY OF WEATHER.

A western disturbance, which moved northeastwards across upper North-West Frontier Province and Kashmir in the mid week, caused isolated thundershowers in the extreme north of West Pakistan on the 12th.

Dry weather continued over East Pakistan.

Night temperatures were appreciably below normal in West Pakistan from the 10th to 12th and again on the 16th. They were appreciably to markedly below normal in the country during the remaining days of the week.

2. EAST PAKISTAN.—Dry weather prevailed over the province.

KASHMIR.—Data not available.

WEST PUNJAB.—Weather continued dry over the region.

NORTH-WEST FRONTIER PROVINCE.—A few showers occurred over the hills on the 12th.

BALUCHISTAN —Dry weather.

SIND.—Dry weather.

JUNAGADH —Data not available.

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

Rainfall for the period from 1st November, 1949 to date was scanty in the Eastern and Deltaic sub-divisions of East Pakistan. Elsewhere no rain fell.

4. The table overleaf summarises the rainfall statistics for the 11 sub-divisions of Pakistan both for the week and for the period from 1st November, 1949 to date.

KARACHI-11.
The 16th November, 1949.

MOHAMMAD SHABBAR,
for Director, Meteorological Services.

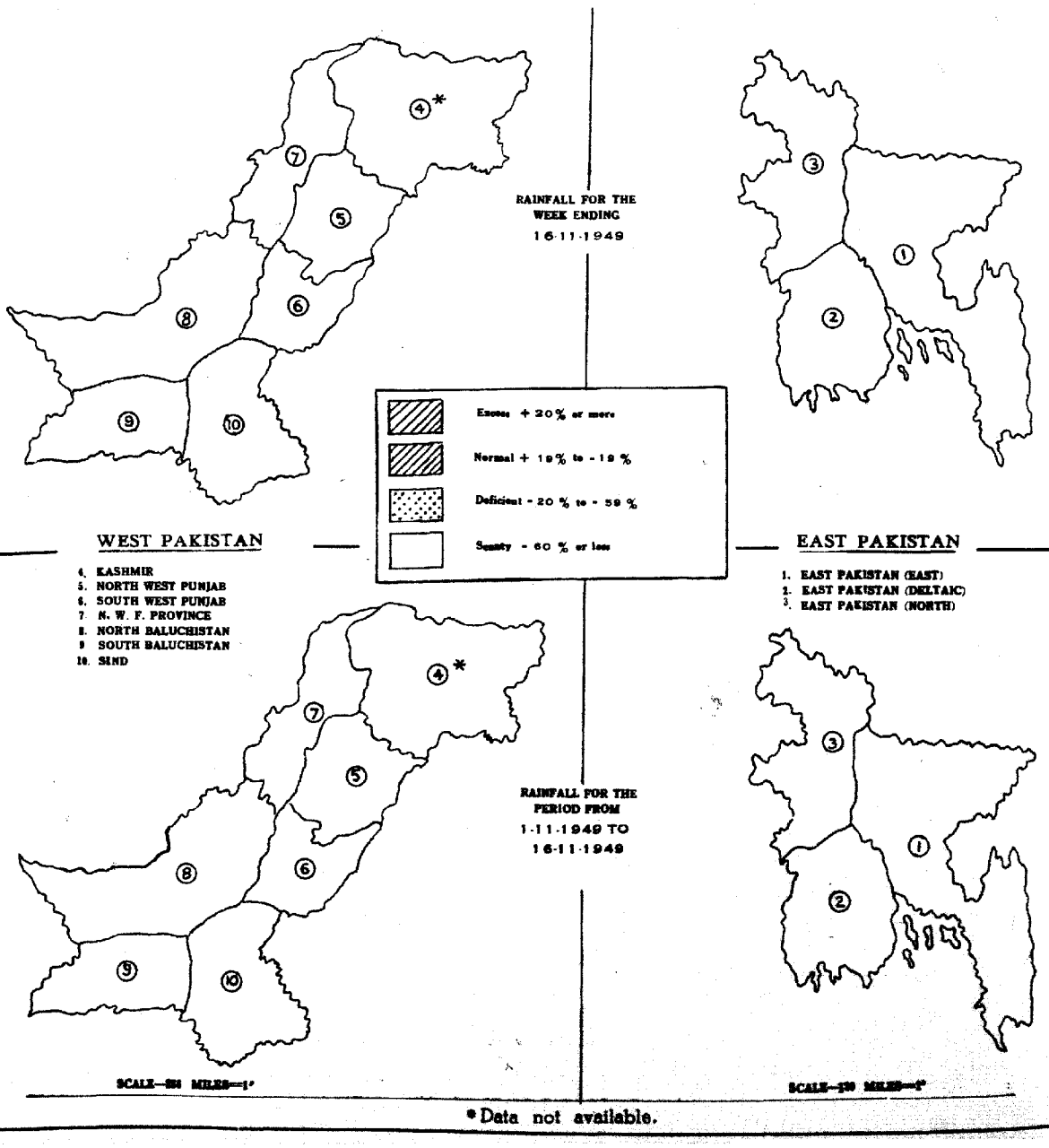
WEEKLY WEATHER REPORT

Division	Rainfall for week ending on 16th November 1949.			Rainfall for period from 1-11-49 to 16th November 1949.			
	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	0.3	1.2	− 1.0	− 79
2. East Pakistan (Deltaic)	0	0.3	− 0.3	0.3	0.9	− 0.6	− 64
3. East Pakistan (North)	0	0.1	− 0.1	0	0.5	− 0.5	−100
4. Kashmir †	....	....	....	....	....	....	...
5. North West Punjab	0	0	0	0	0.1	− 0.1	−100
6. South West Punjab	0	0	0	0	0	0	0
7. N W F P.	0	0	0	0	0	0	0
8. North Baluchistan	0	0	0	0	0	0	0
9. South Baluchistan	0	0	0	0	0	0	0
10. Sind	0	0	0	0	0.1	− 0.1	−100
11. Junagadh †	...	....	....	...	....		...

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

† Data not available

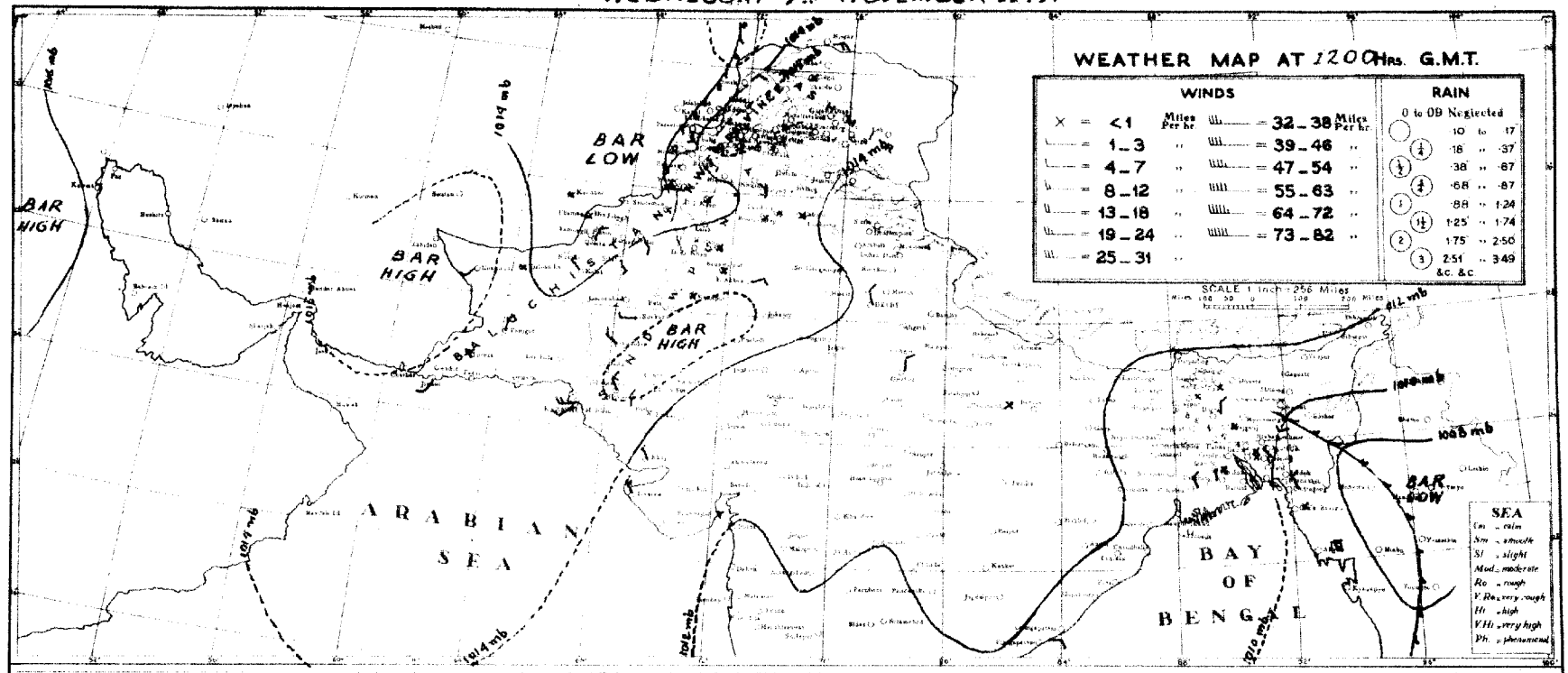
†† Rainfall for stations having no normals is not included.

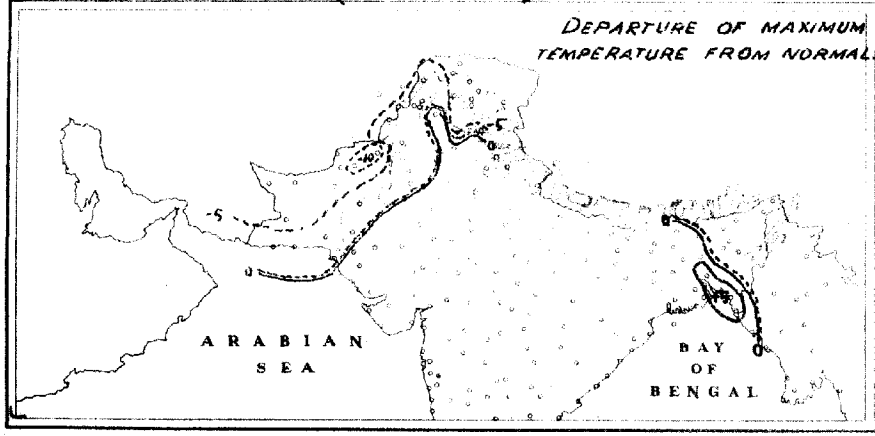


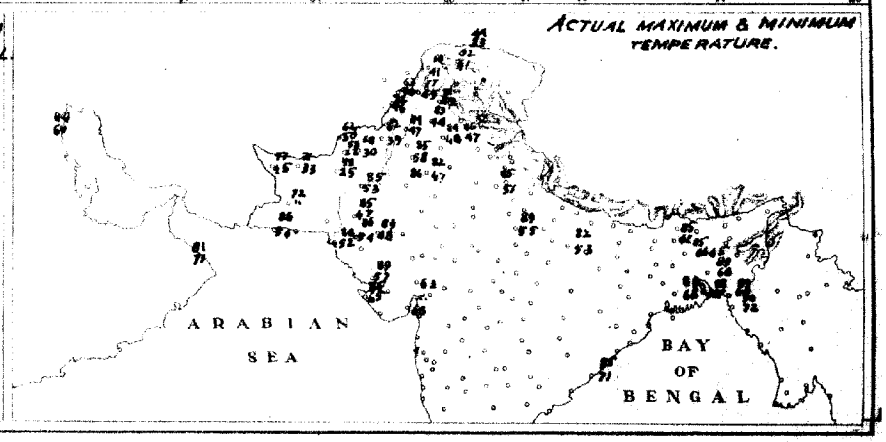
* Data not available.

PAKISTAN DAILY WEATHER REPORT

WEDNESDAY 9TH NOVEMBER 1949.



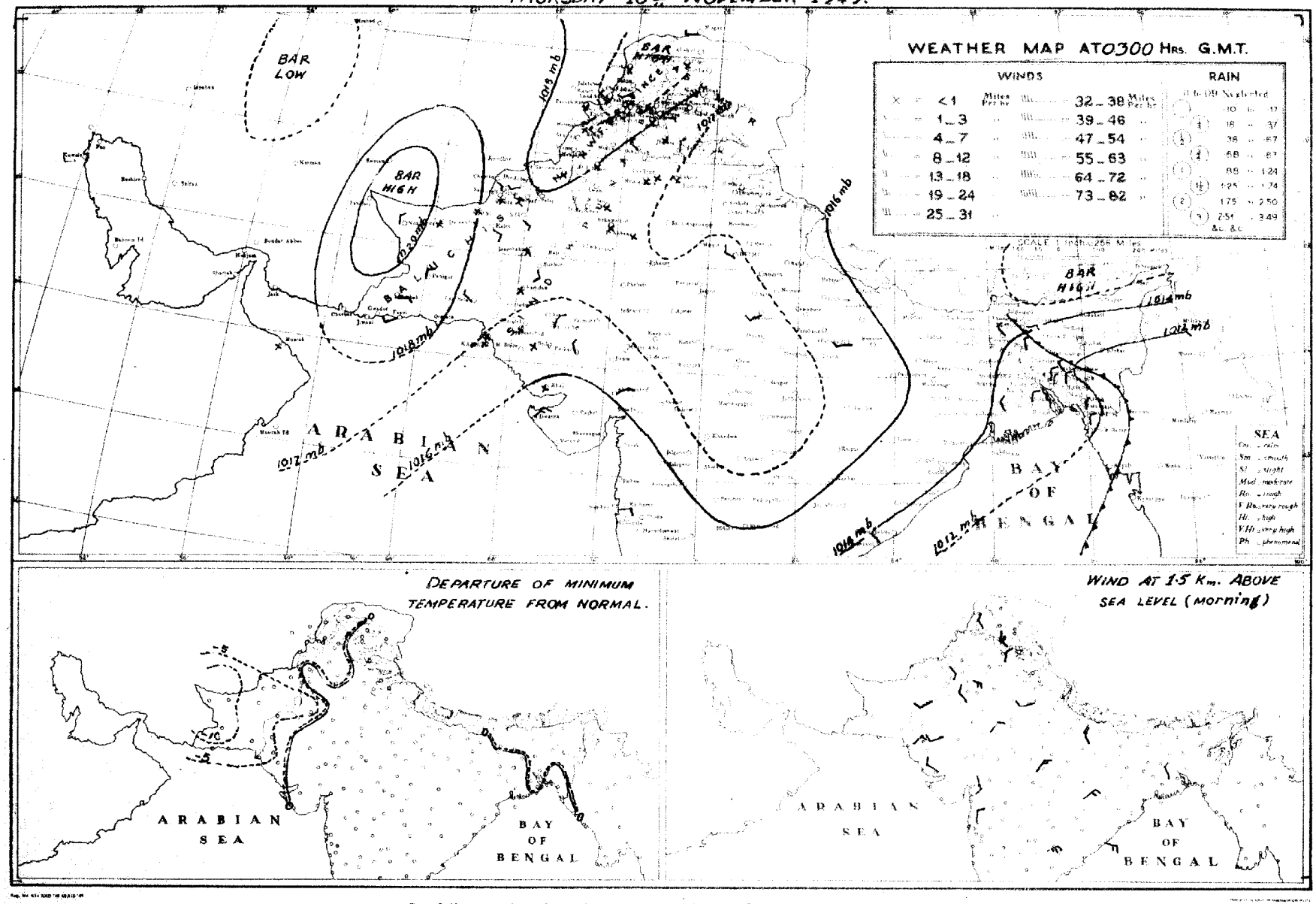




Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER REPORT

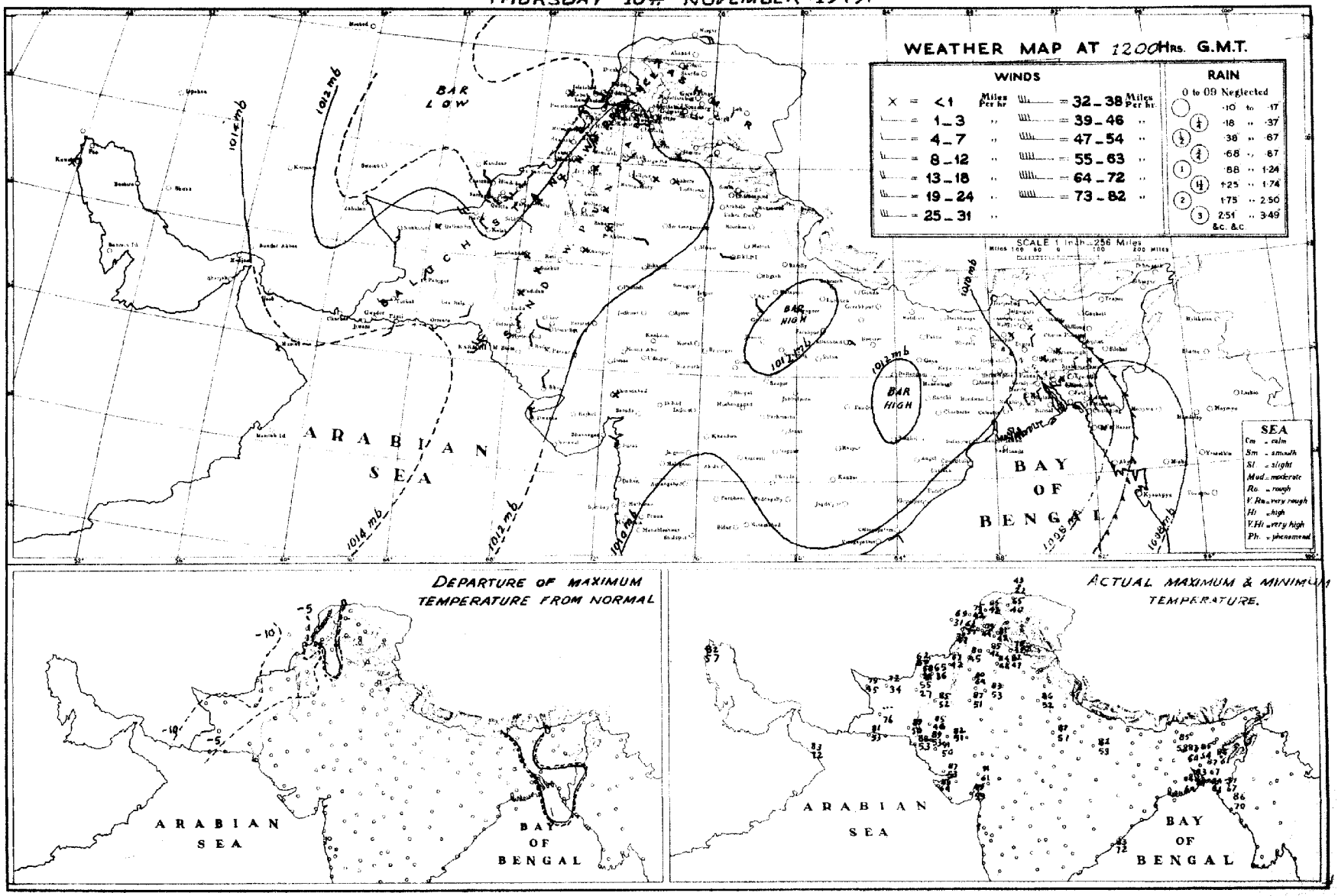
THURSDAY 10TH NOVEMBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

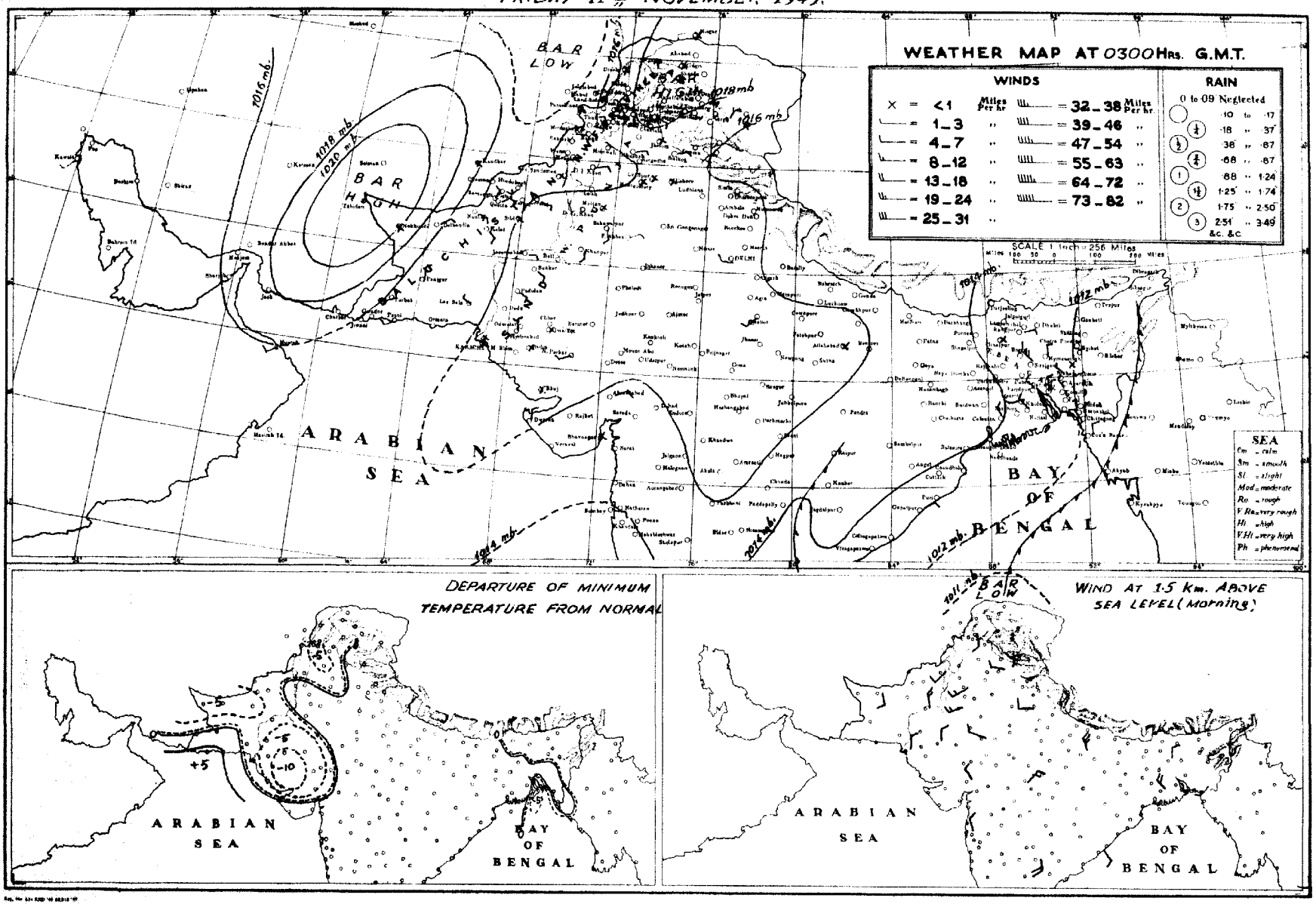
THURSDAY 10th NOVEMBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

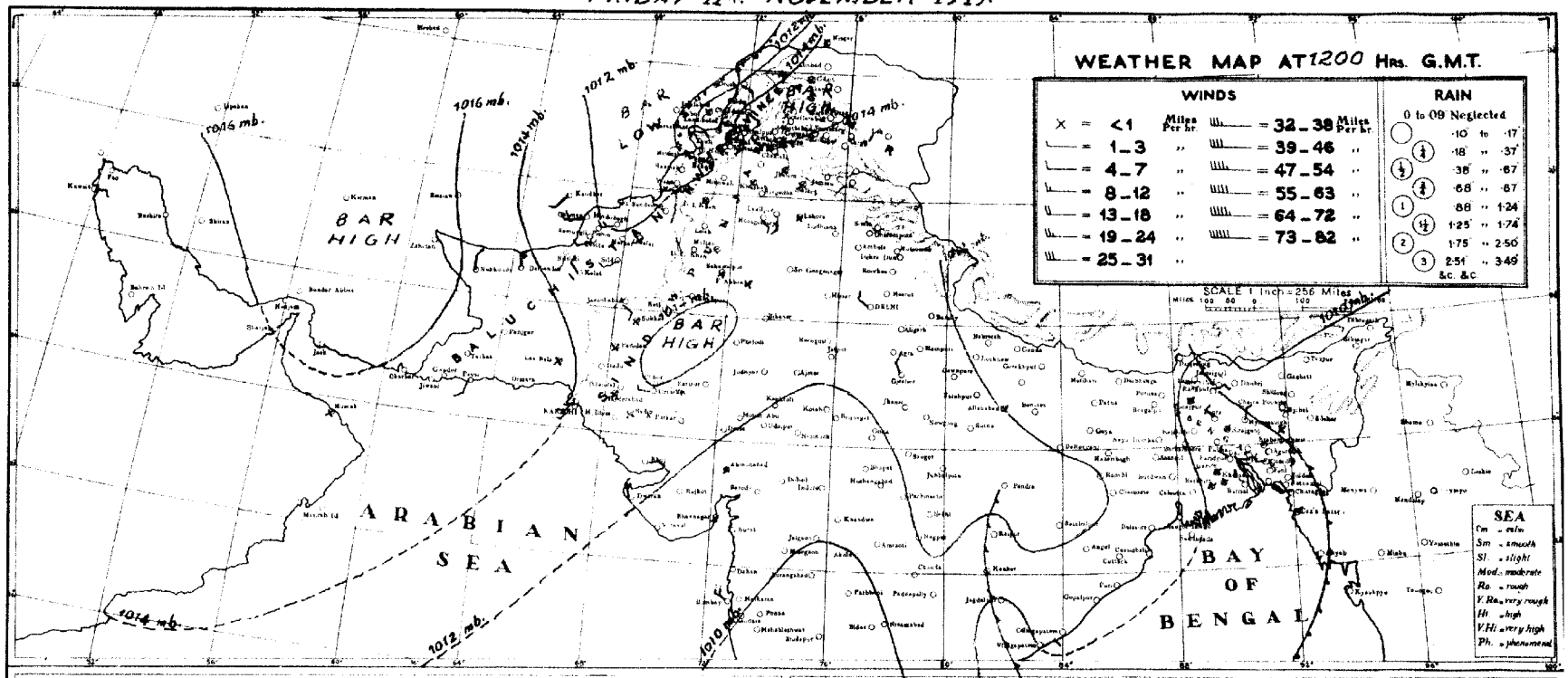
FRIDAY 11TH NOVEMBER 1949.

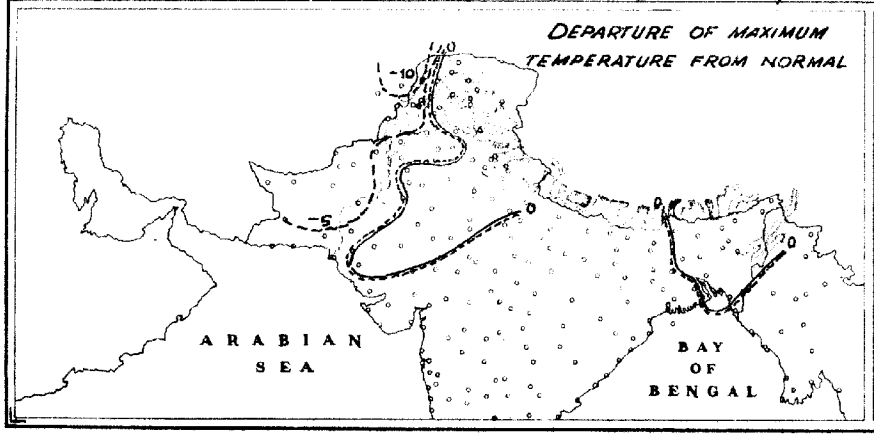


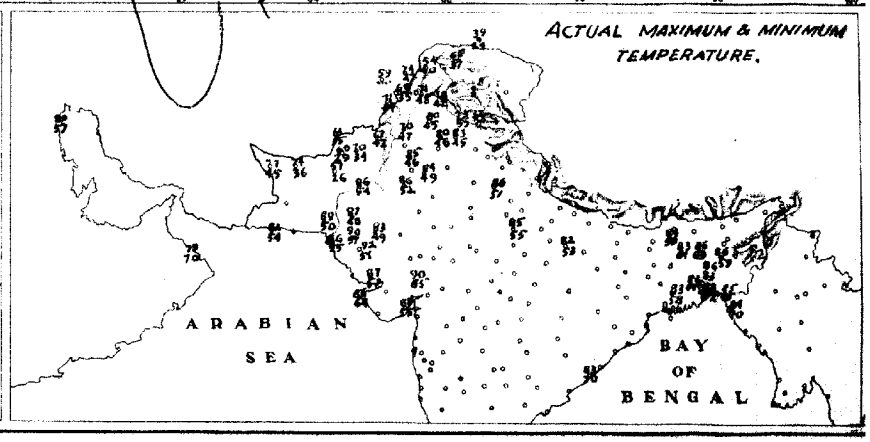
Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER REPORT

FRIDAY 11TH NOVEMBER 1949.



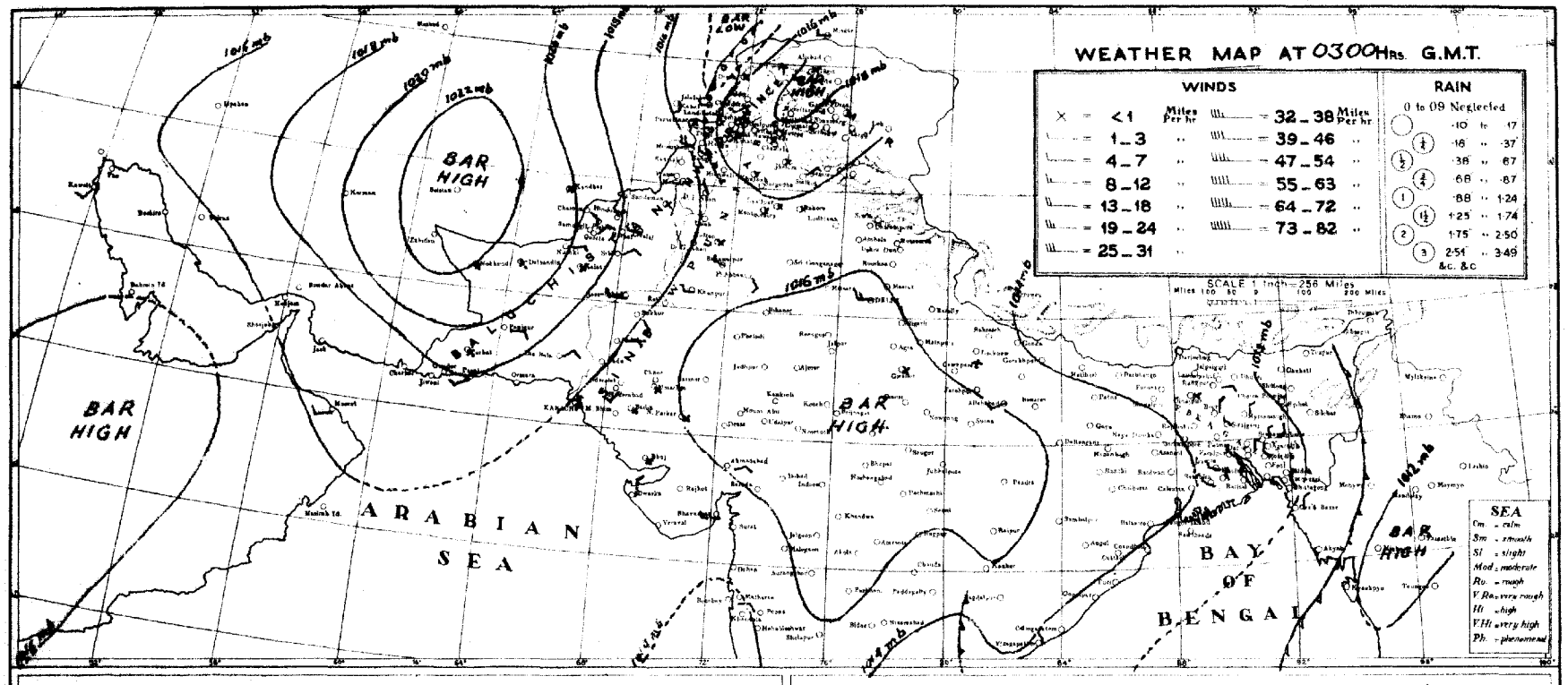


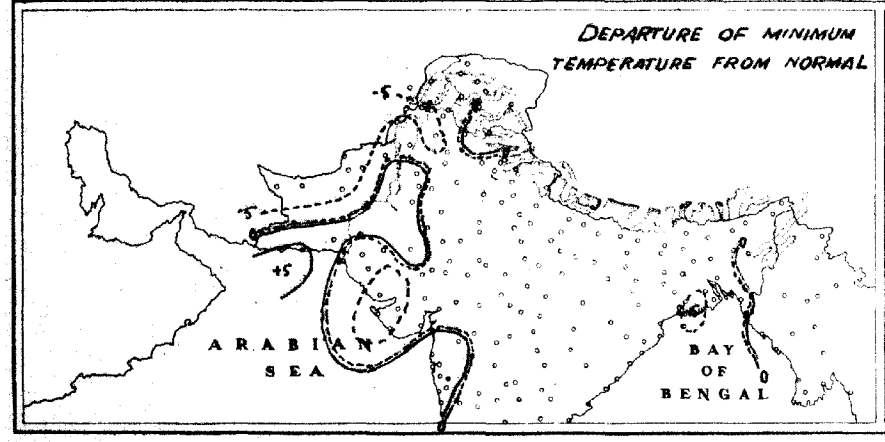


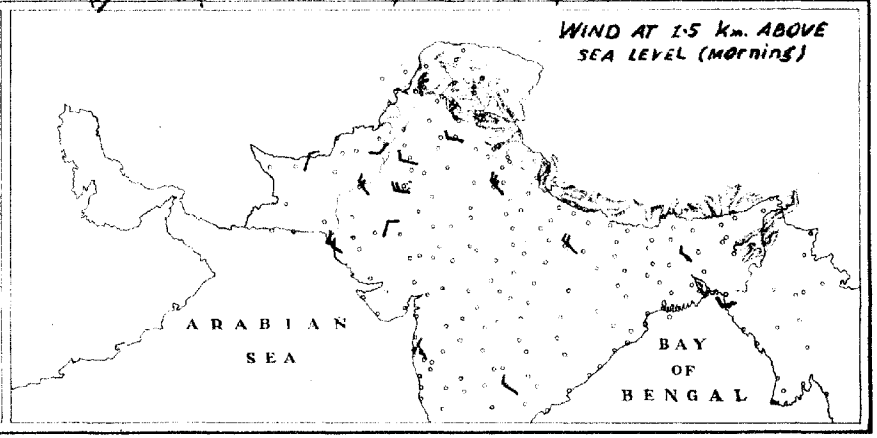
Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER REPORT

SATURDAY 12TH NOVEMBER 1949.



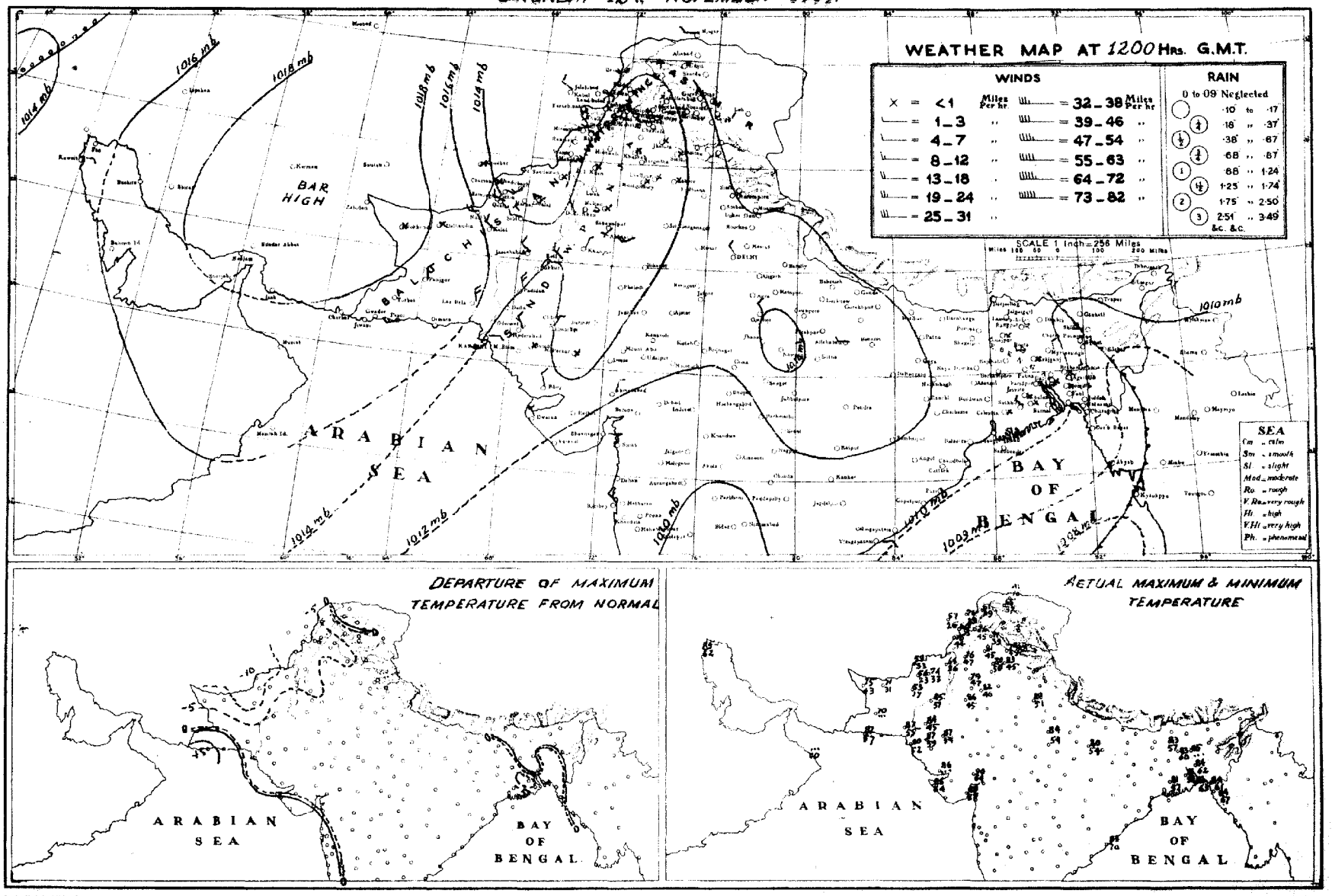




Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER REPORT

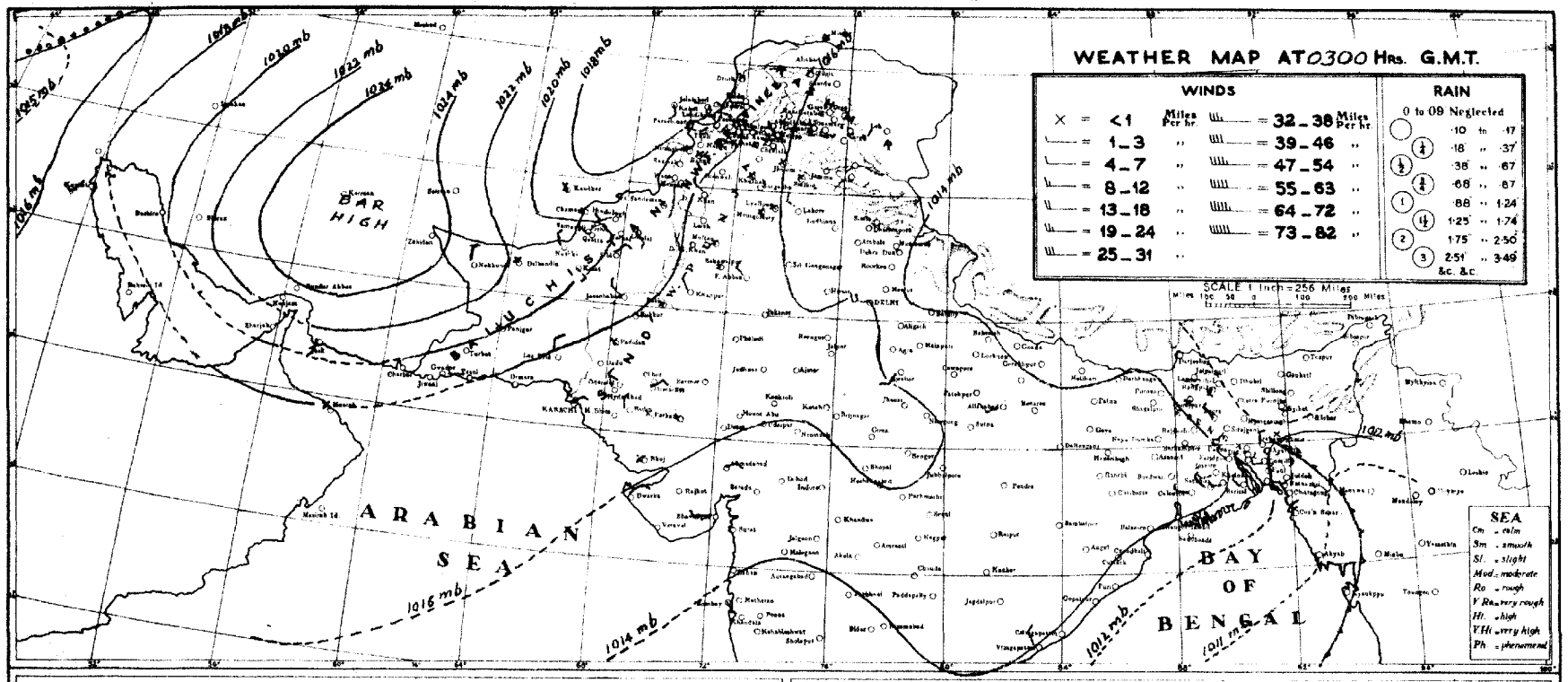
SATURDAY 12TH NOVEMBER 1949.

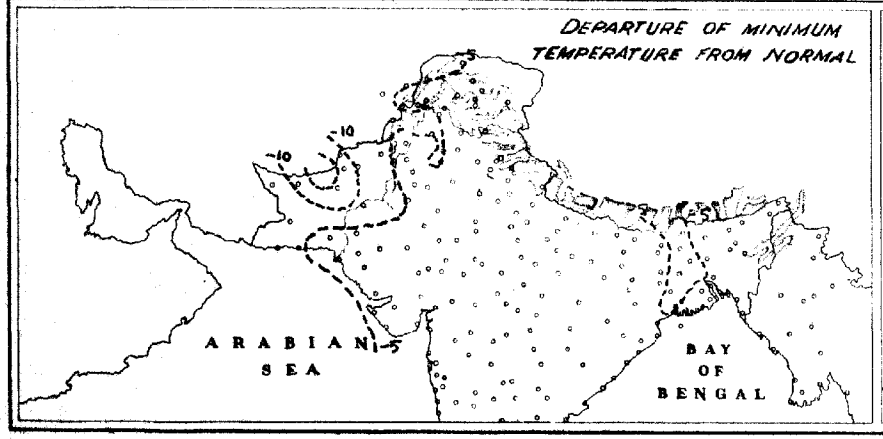


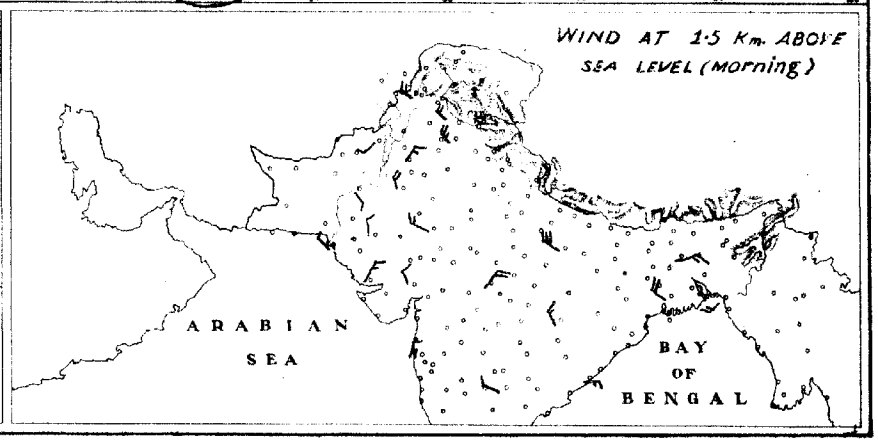
Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER REPORT

SUNDAY 13TH NOVEMBER 1949



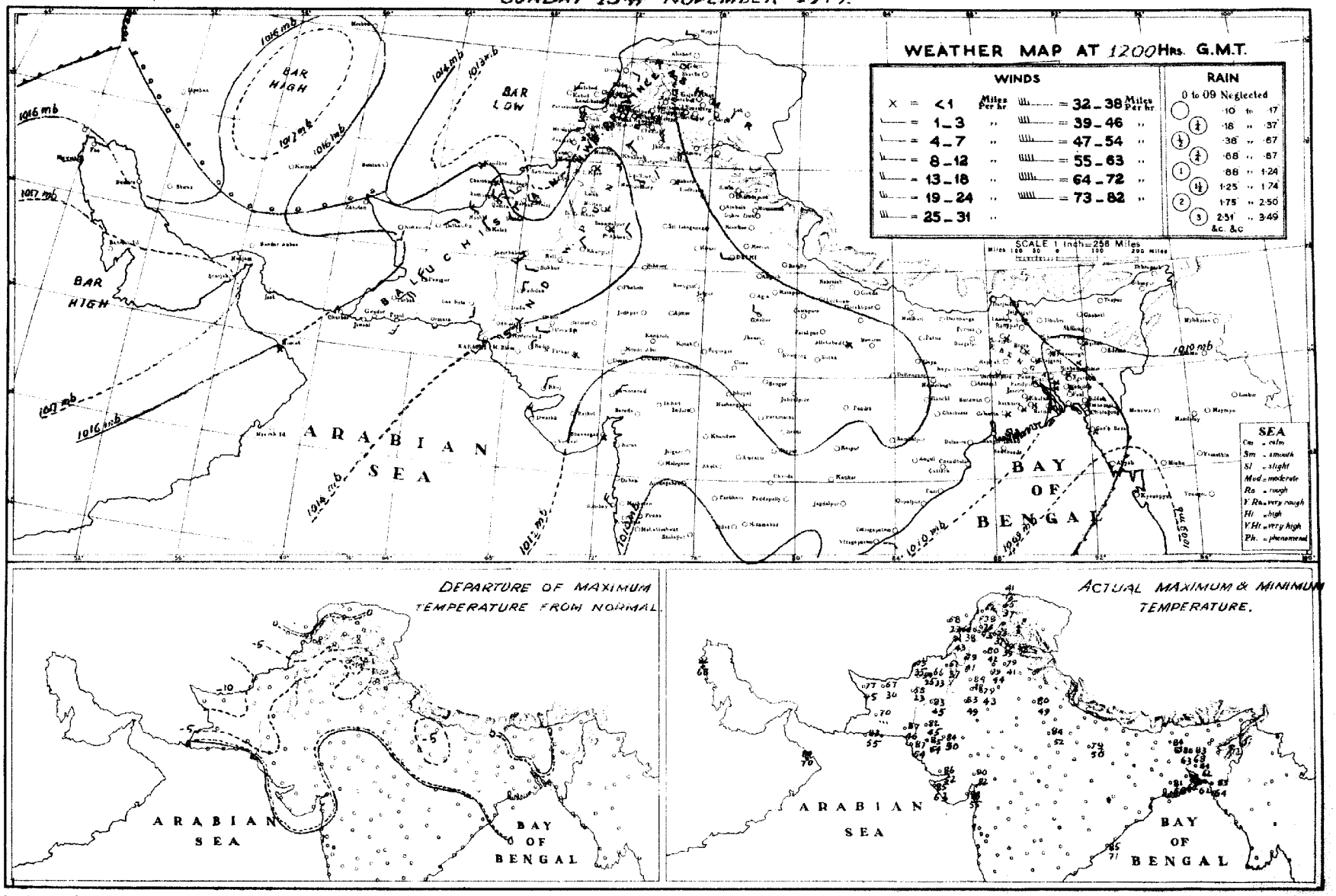




Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER REPORT

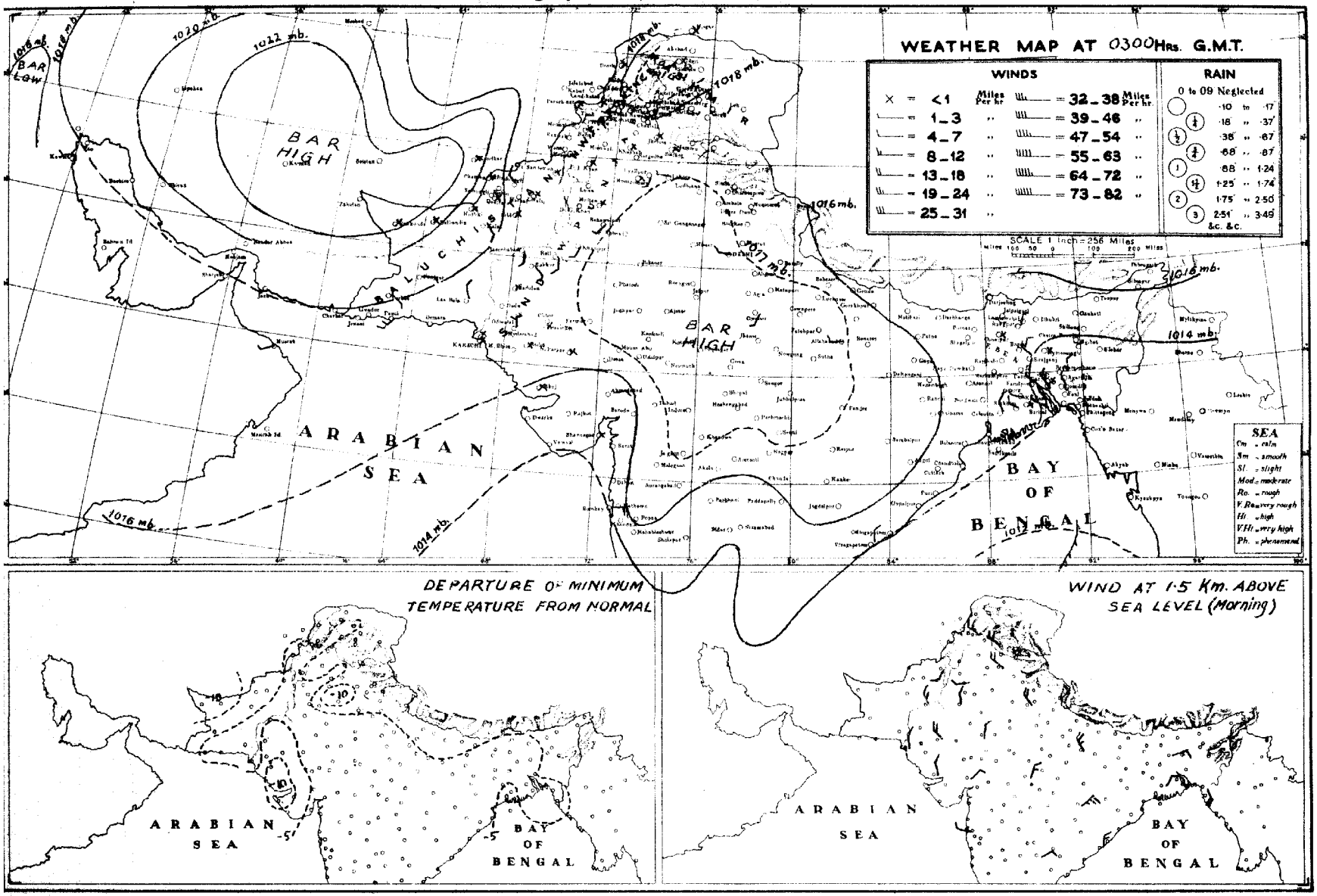
SUNDAY 13TH NOVEMBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

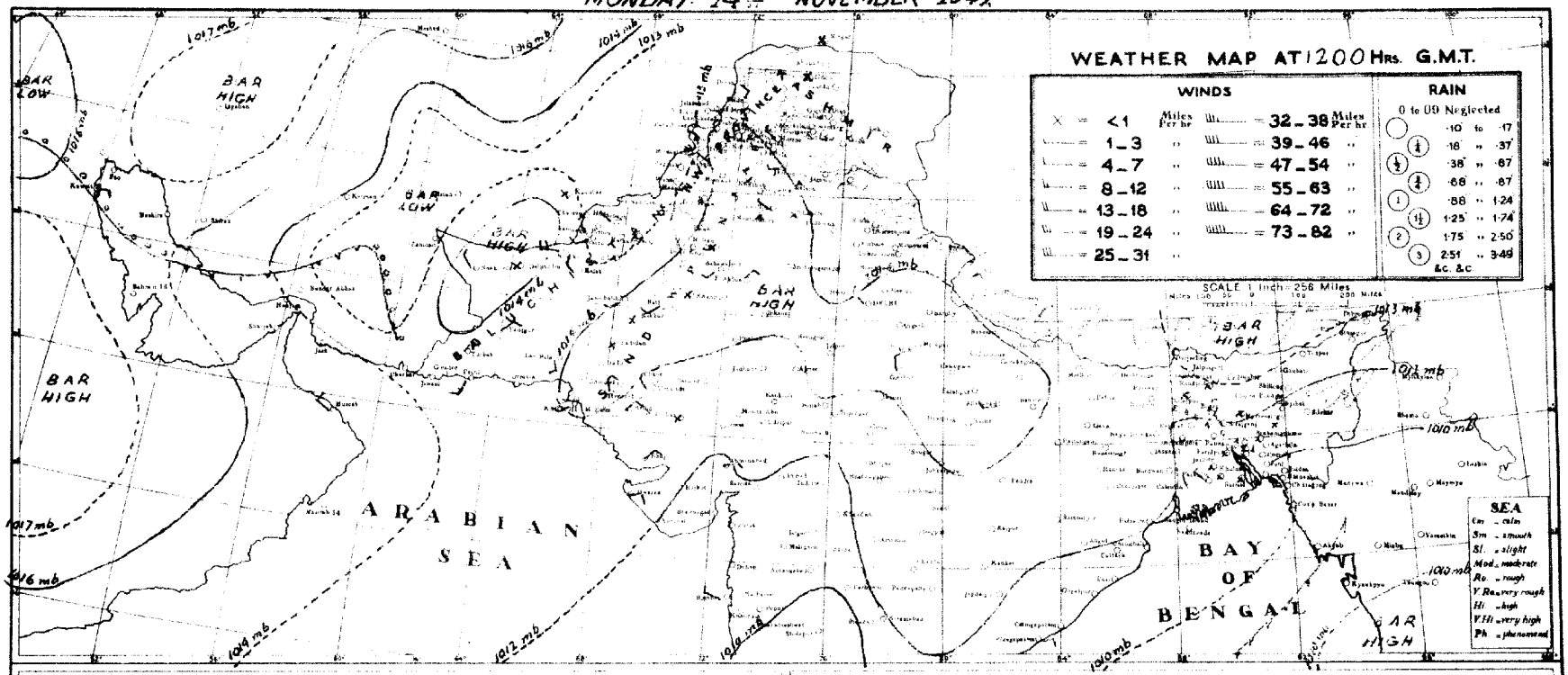
MONDAY 14 TH NOVEMBER 1949

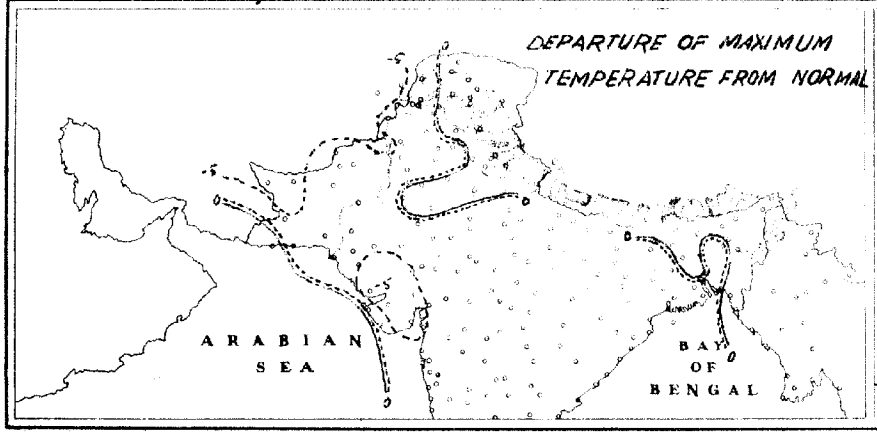


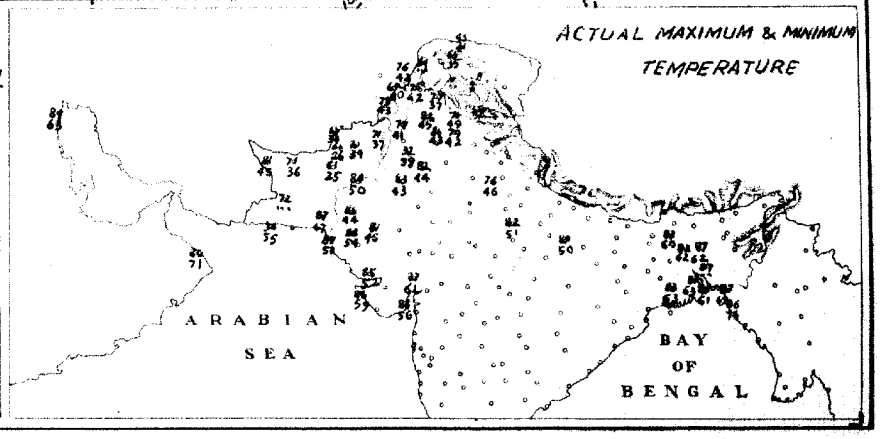
Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER REPORT

MONDAY 14TH NOVEMBER 1949



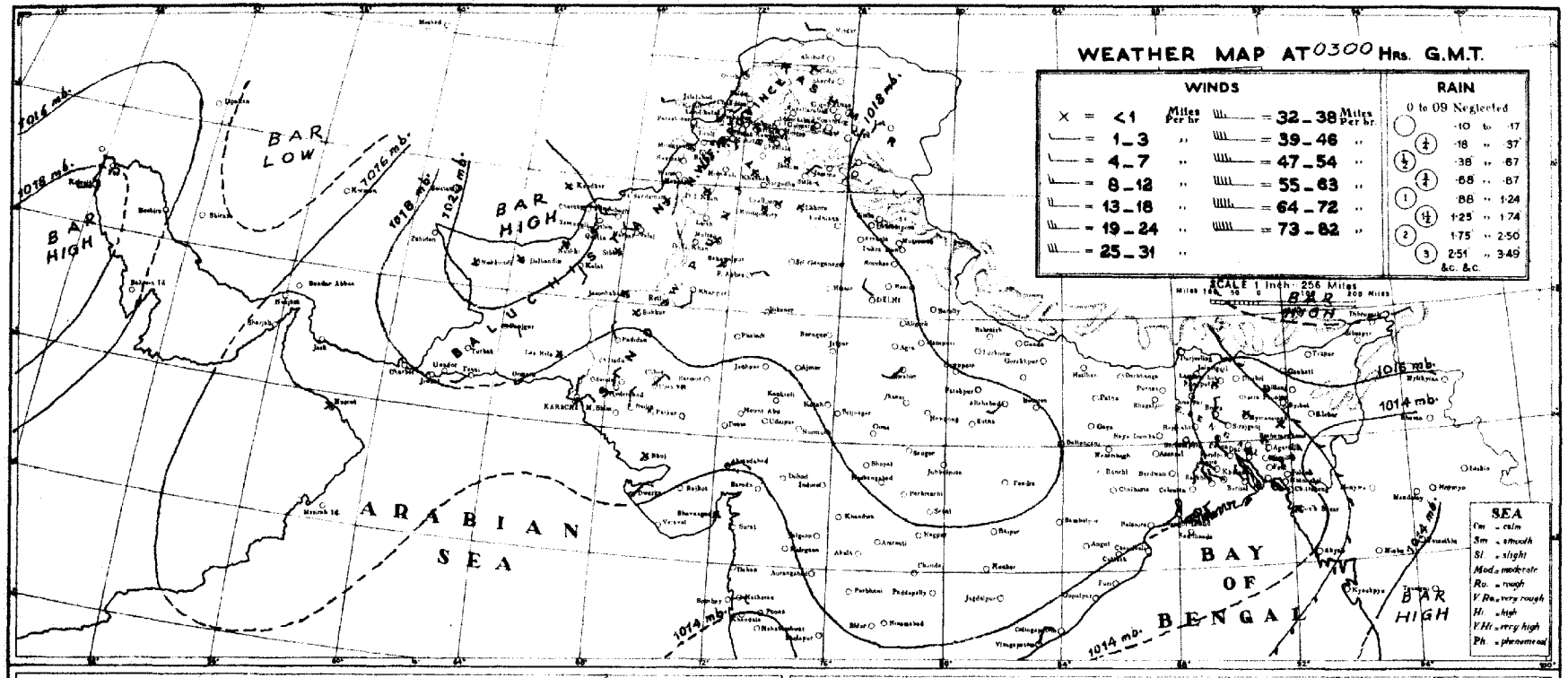


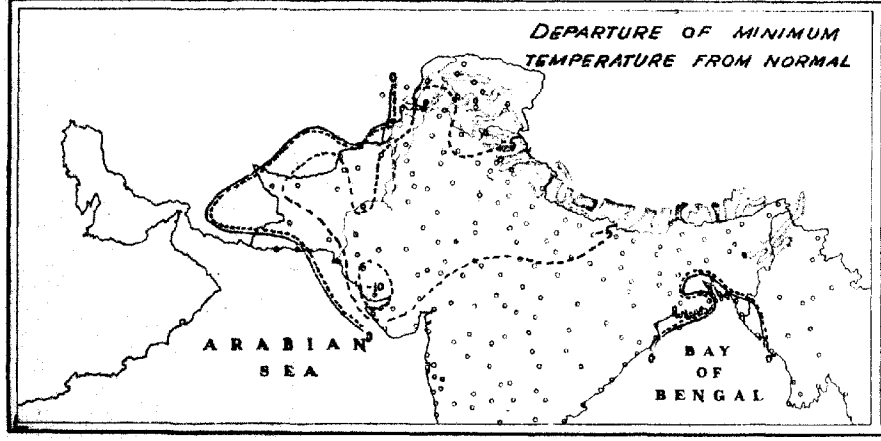


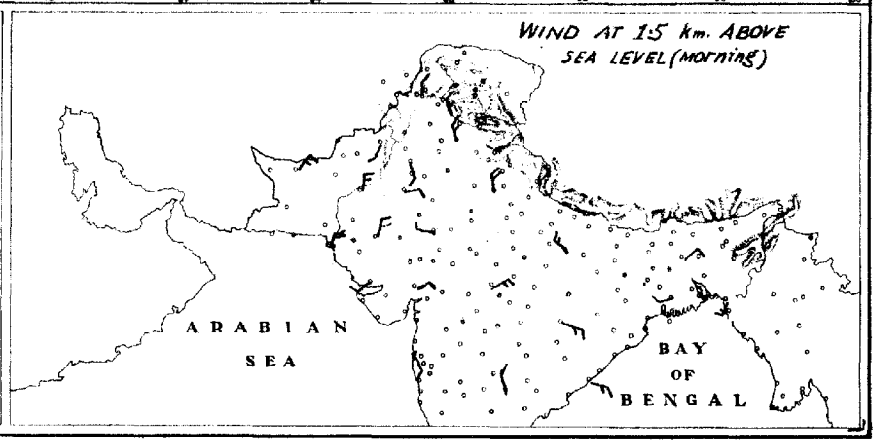
Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER REPORT

TUESDAY 15TH NOVEMBER 1949.



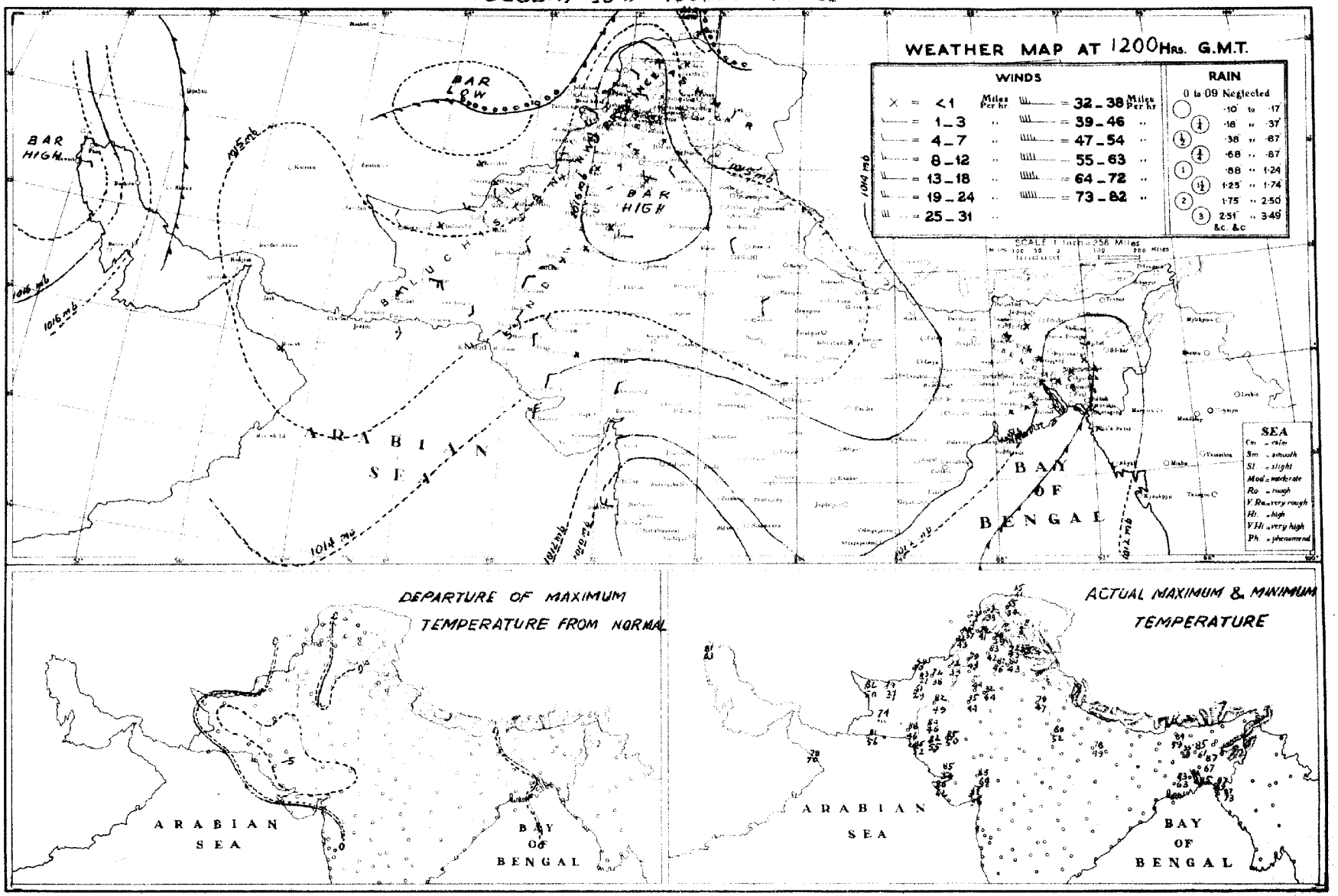




Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER REPORT

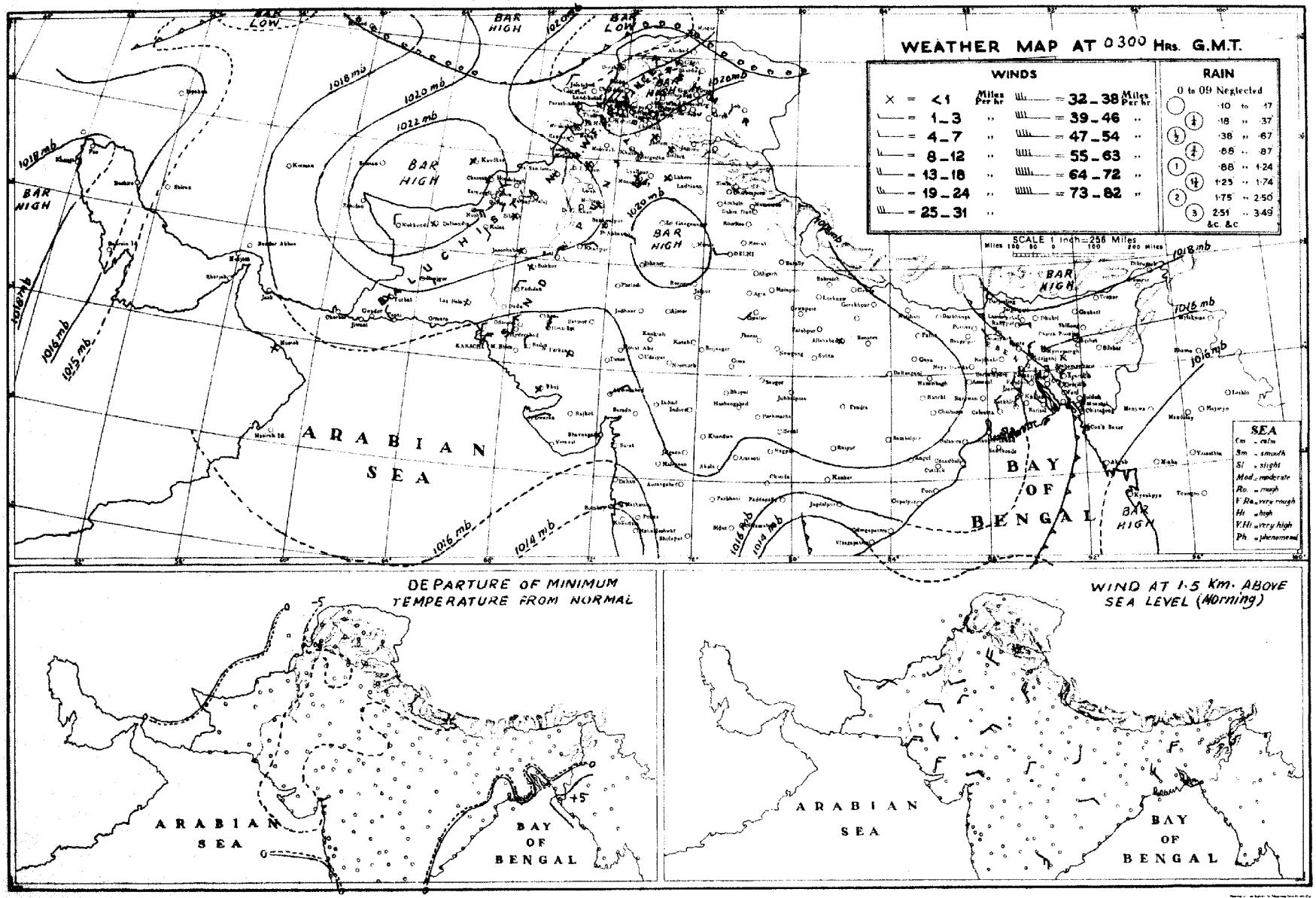
TUESDAY 15th NOVEMBER 1949



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

PAKISTAN DAILY WEATHER REPORT

WEDNESDAY 16TH NOVEMBER 1949.



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

Regd.No.....

WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G. M. T. on Wednesday, the 23rd November, 1949.

—o:O:o—

SUMMARY OF WEATHER.

Warm fronts of a western disturbances moving through higher latitudes caused extensive cloudiness over the extreme north of West Pakistan.

Dry weather prevailed over East Pakistan.

Night temperatures were appreciably to markedly below normal in West Pakistan practically throughout the week.

2. EAST PAKISTAN.—Weather continued dry over the region.

KASHMIR.—Data not available.

WEST PAKISTAN.—Weather was dry.

NORTH-WEST FRONTIER PROVINCE.—Weather was dry.

BALUCHISTAN.—Weather was dry.

SIND.—Weather was dry.

JUNAGADH.—Data not available.

3. Weather was dry throughout the week.

Rainfall for the period from 1st November, 1949 to date was scanty in the Eastern and Deltaic sub-divisions of East Pakistan. No rain fell elsewhere over the country.

4. The table overleaf summarises the rainfall statistics for the 11 sub-divisions of Pakistan both for the period from 1st November, 1949 to date.

KARACHI-11.
The 23rd November, 1949.

MOHAMMAD SHABBAR,
for Director, Meteorological Services.

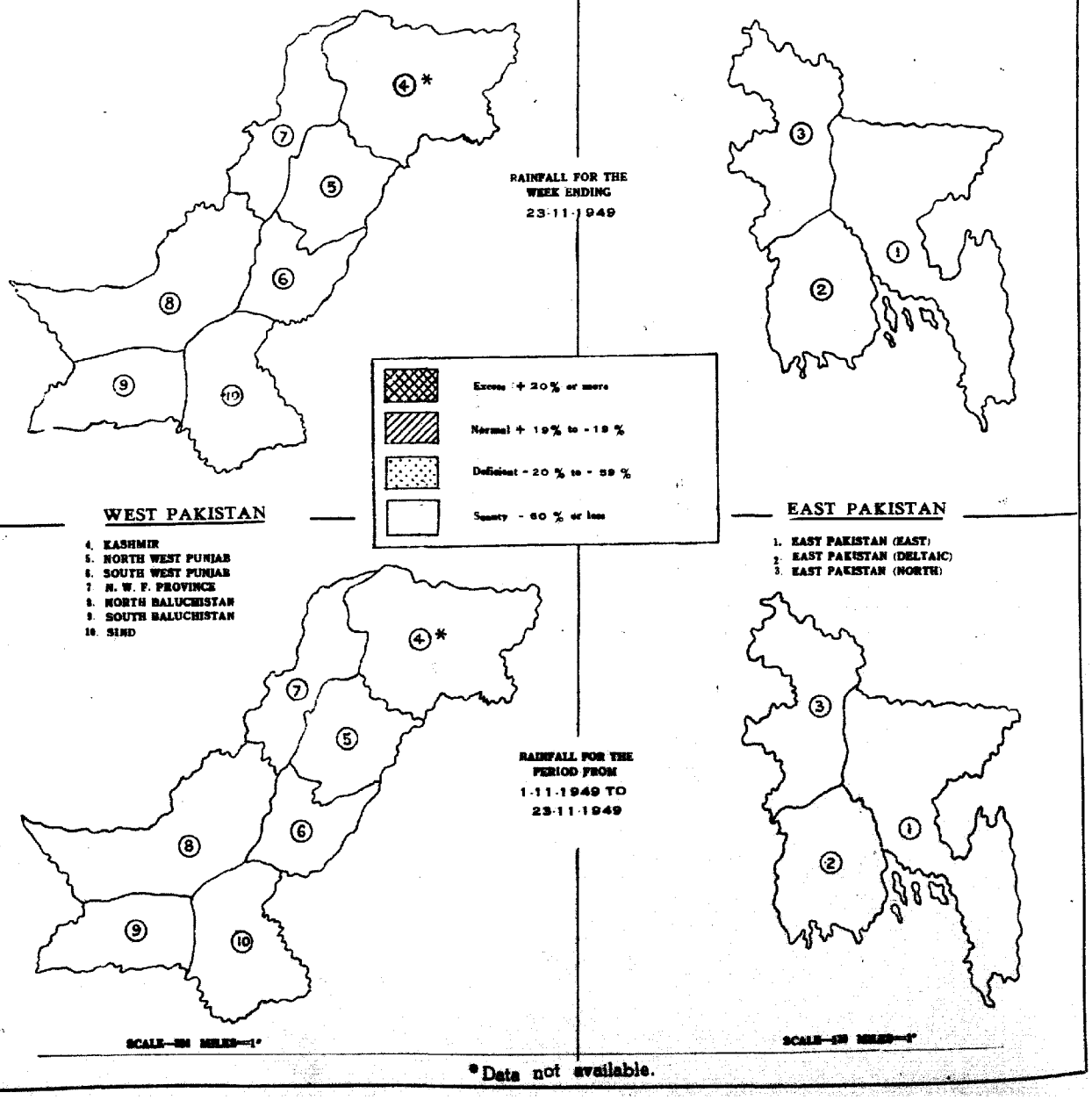
WEEKLY WEATHER REPORT

Division	Rainfall for week ending on 23rd November 1949.			Rainfall for period from 1-11-49. to 23rd November 1949.			
	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	0.3	1.4	− 1.2	− 83
2. East Pakistan (Deltaic)	0	0.2	− 0.2	0.3	1.1	− 0.7	− 70
3. East Pakistan (North)	0	0.1	− 0.1	0	0.5	− 0.5	−100
4. Kashmir †	....	....	....	....	....	....	...
5. North West Punjab	0	0.1	− 0.1	0	0.1	− 0.1	−100
6. South West Punjab	0	0	0	0	0	0	...
7. N. W. F. P.	0	0.1	− 0.1	0	0.1	− 0.1	−100
8. North Baluchistan	0	0.1	− 0.1	0	0.1	− 0.1	−100
9. South Baluchistan	0	0.1	− 0.1	0	0.1	− 0.1	−100
10. Sind	0	0	0	0	0.1	− 0.1	−100
11. Junagadh †	...	....	....	...	....	...	...

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

† Data not available

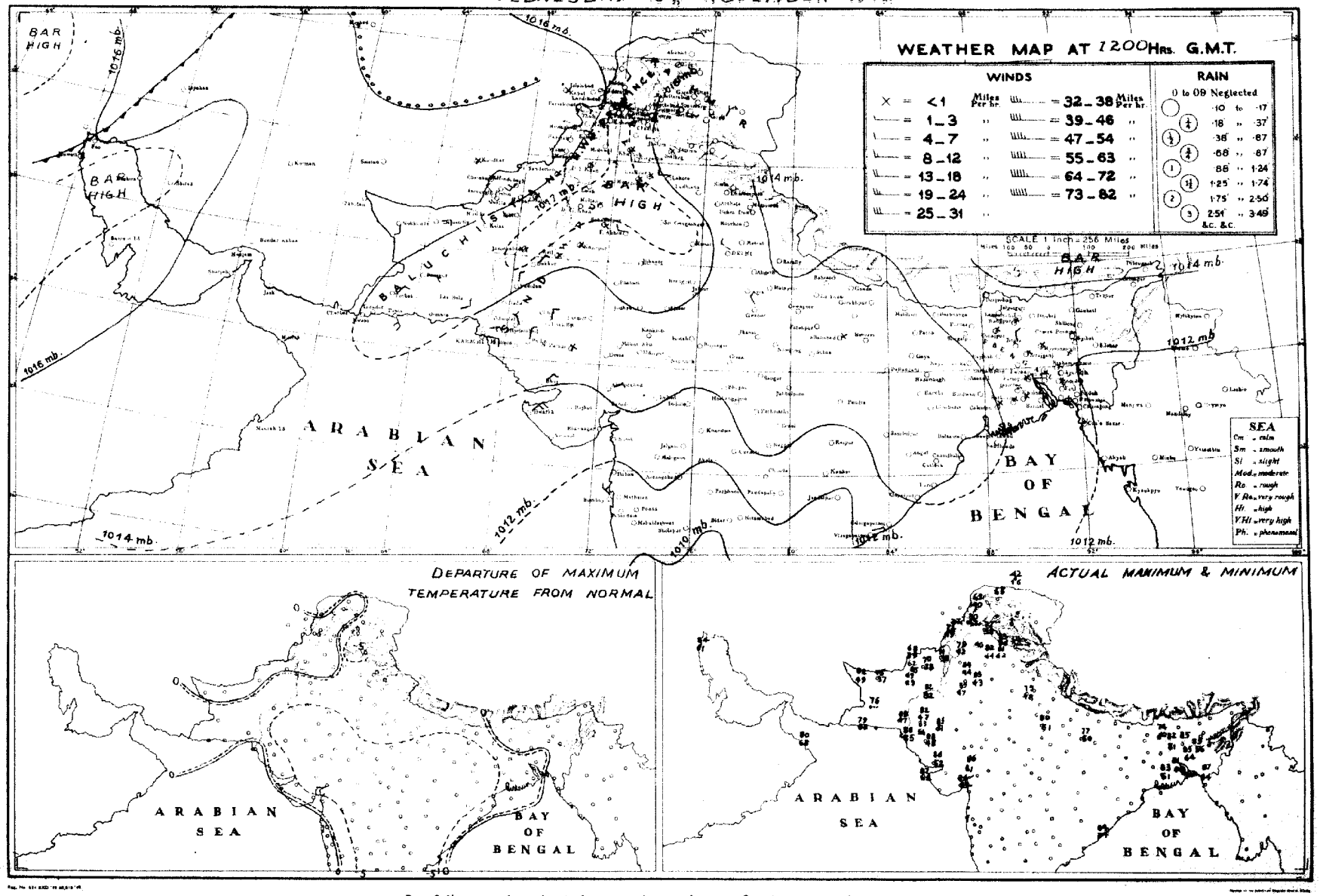
†† Rainfall for stations having no normals is not included.



* Data not available.

PAKISTAN DAILY WEATHER REPORT

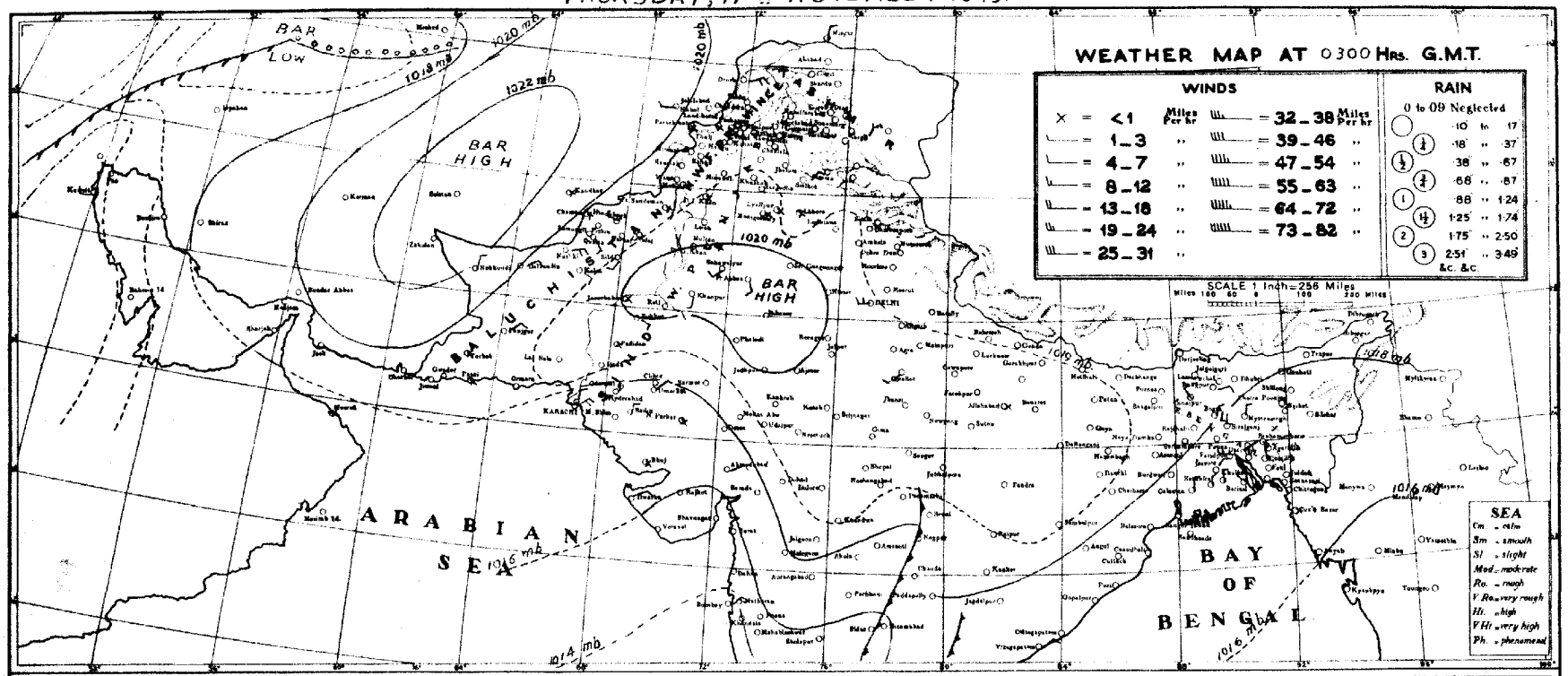
WEDNESDAY 16TH/17 NOVEMBER 1949

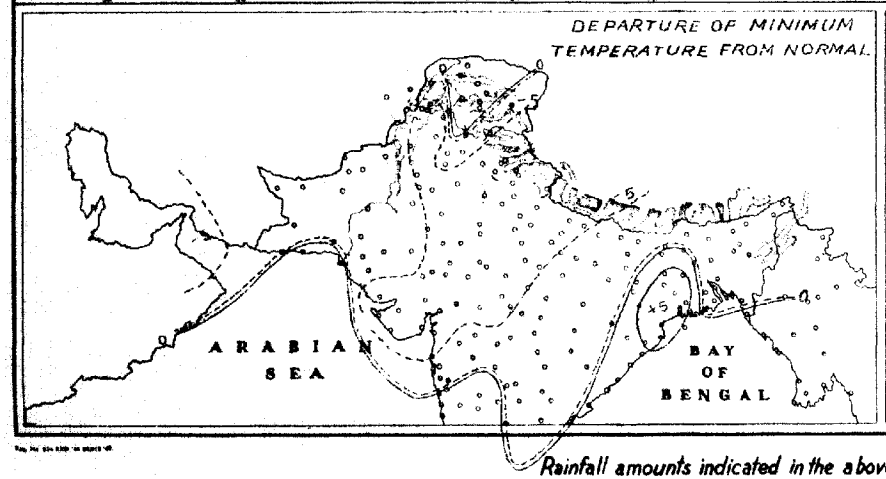


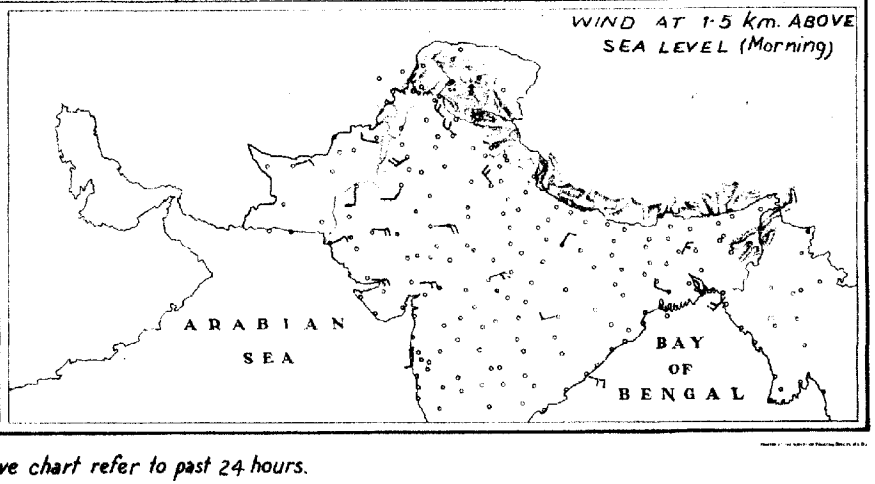
Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER REPORT

THURSDAY, 17 TH NOVEMBER 1949.



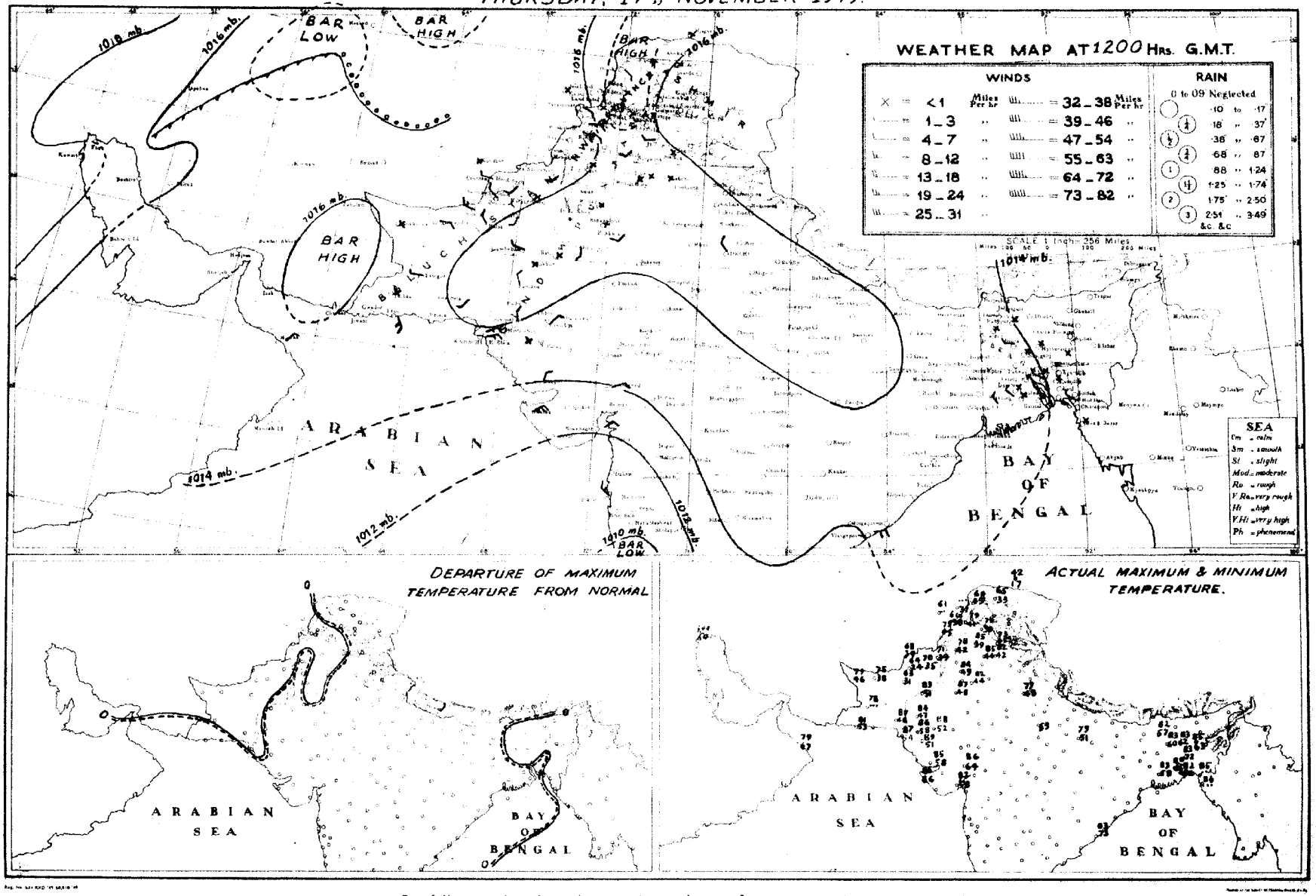




Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER REPORT

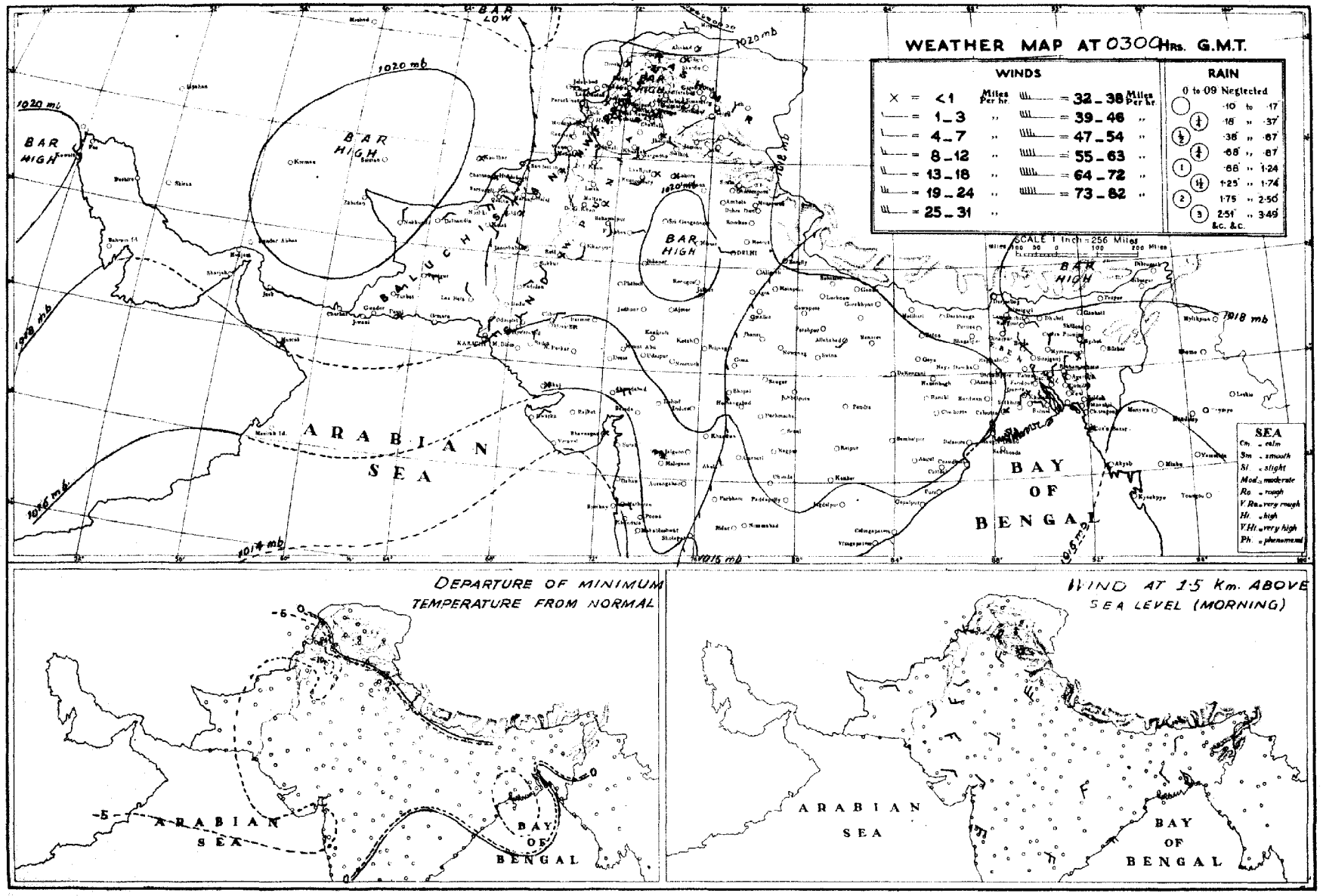
THURSDAY, 17TH NOVEMBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

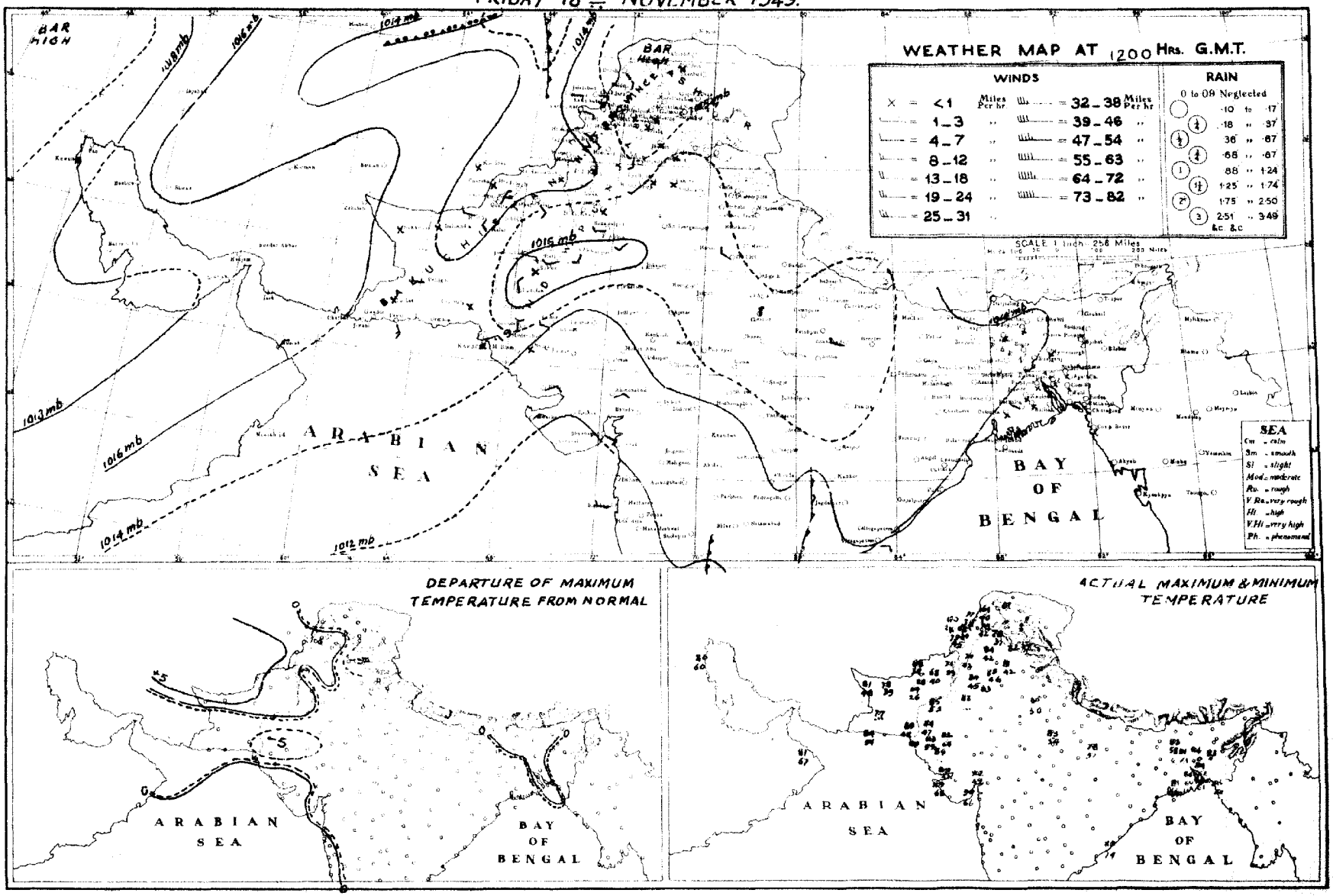
FRIDAY 18TH NOVEMBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

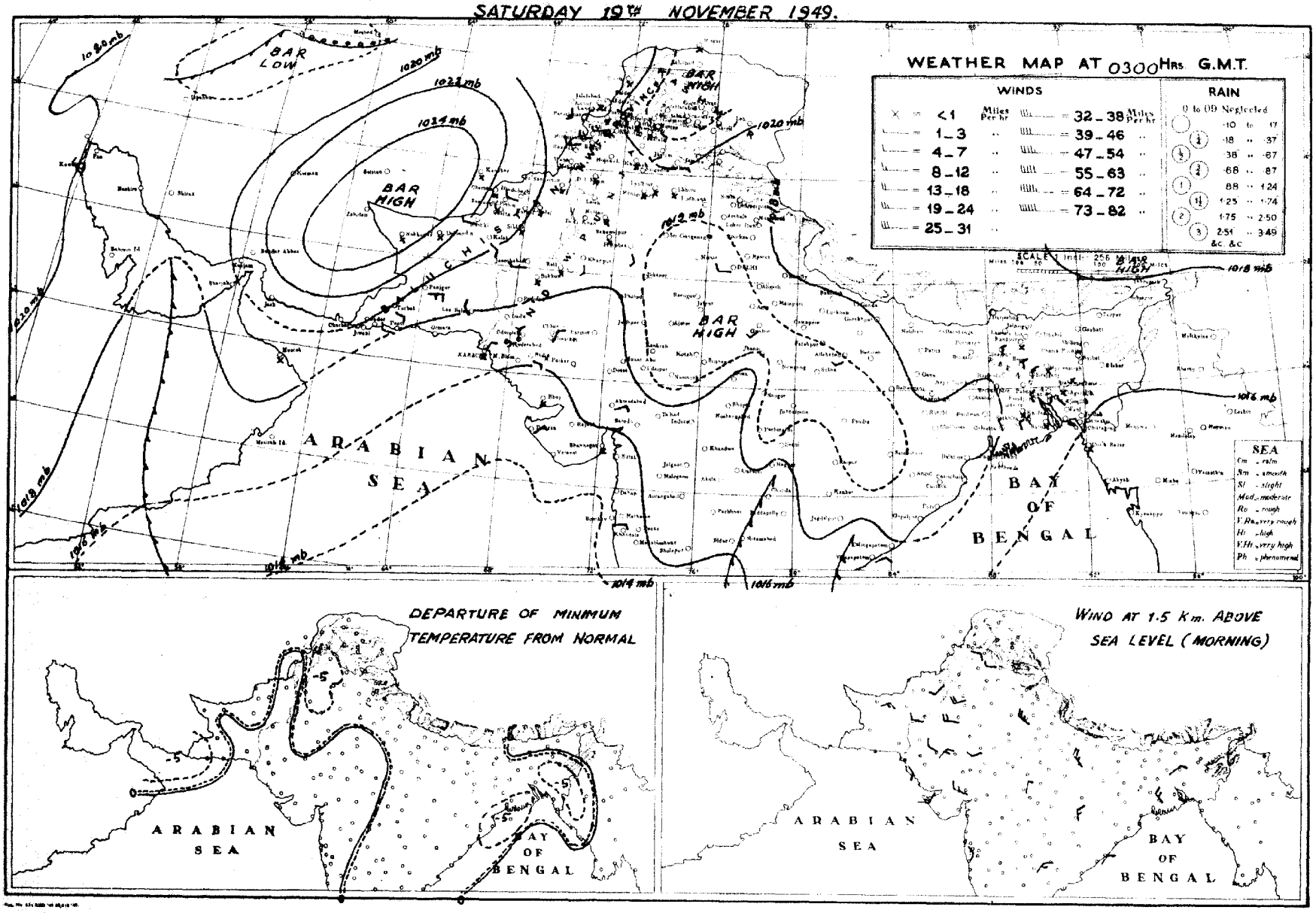
FRIDAY 18TH NOVEMBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

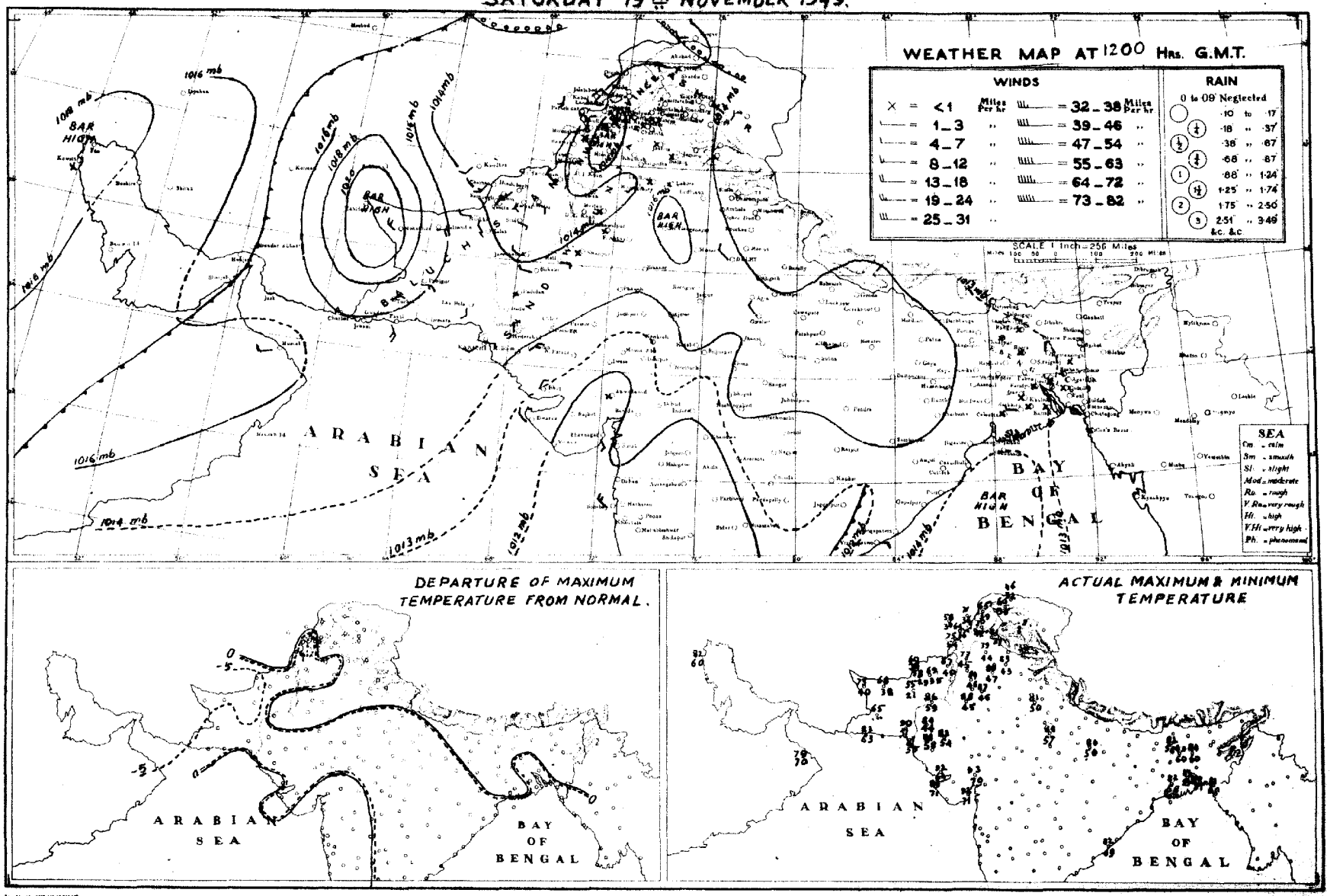
SATURDAY 19th NOVEMBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

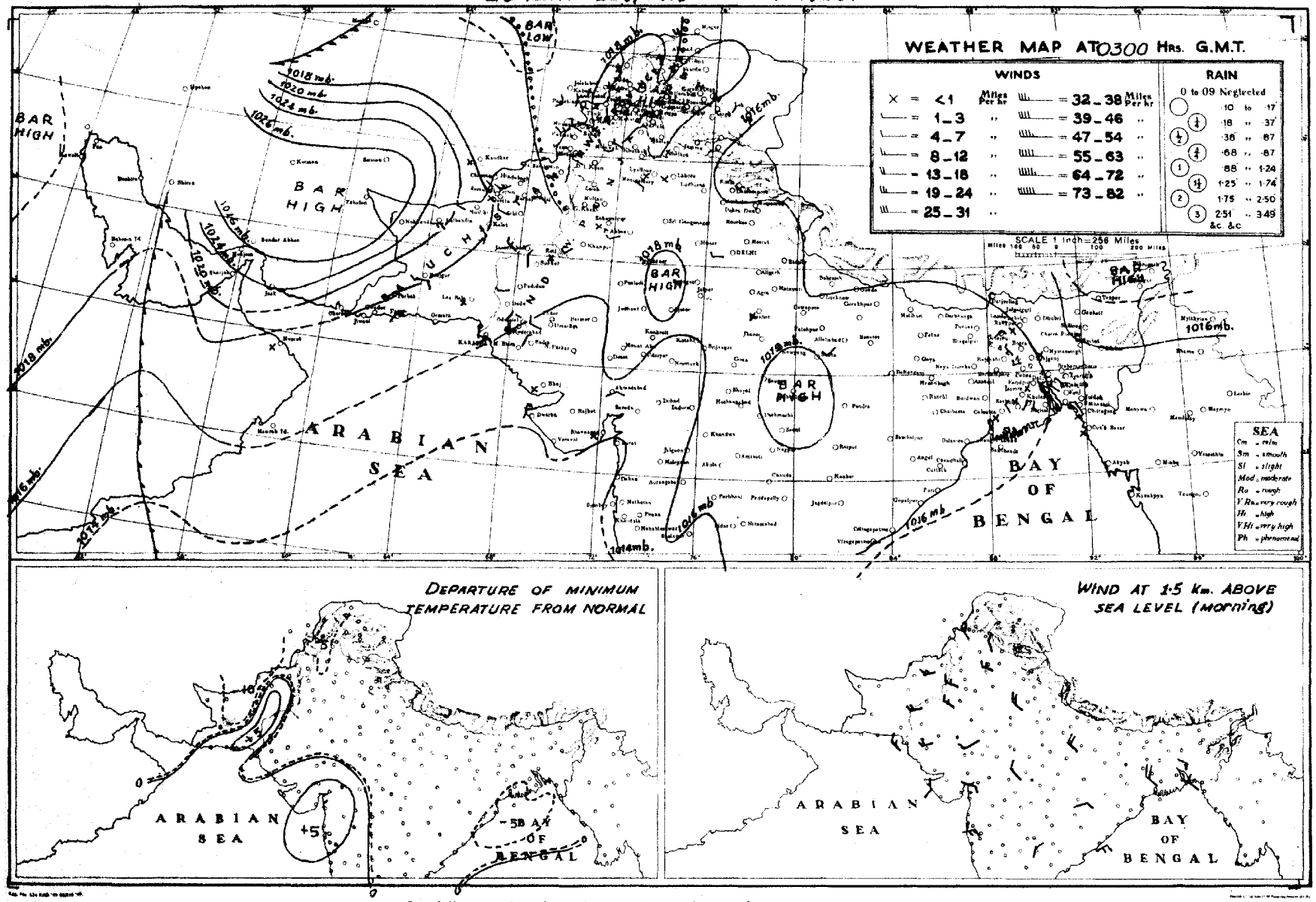
SATURDAY 19TH NOVEMBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

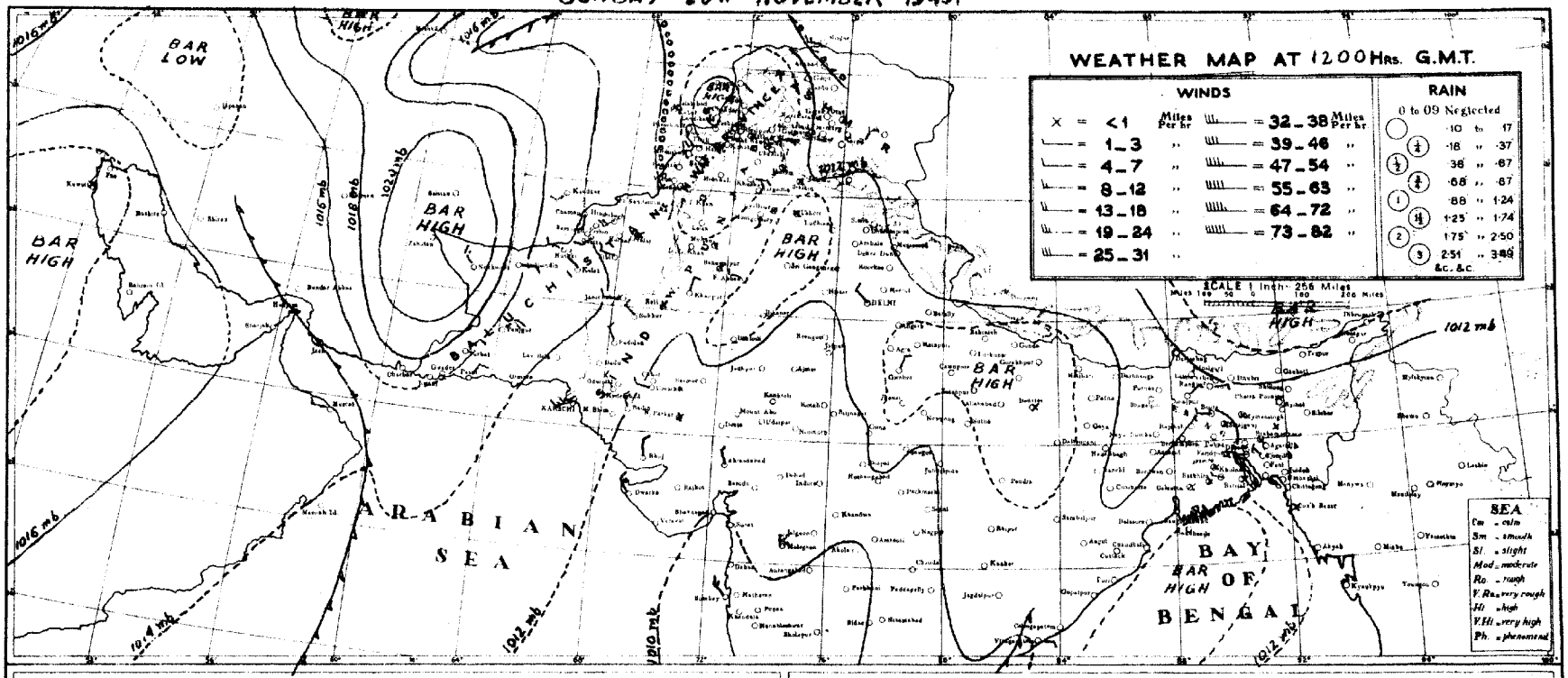
SUNDAY 20TH NOVEMBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

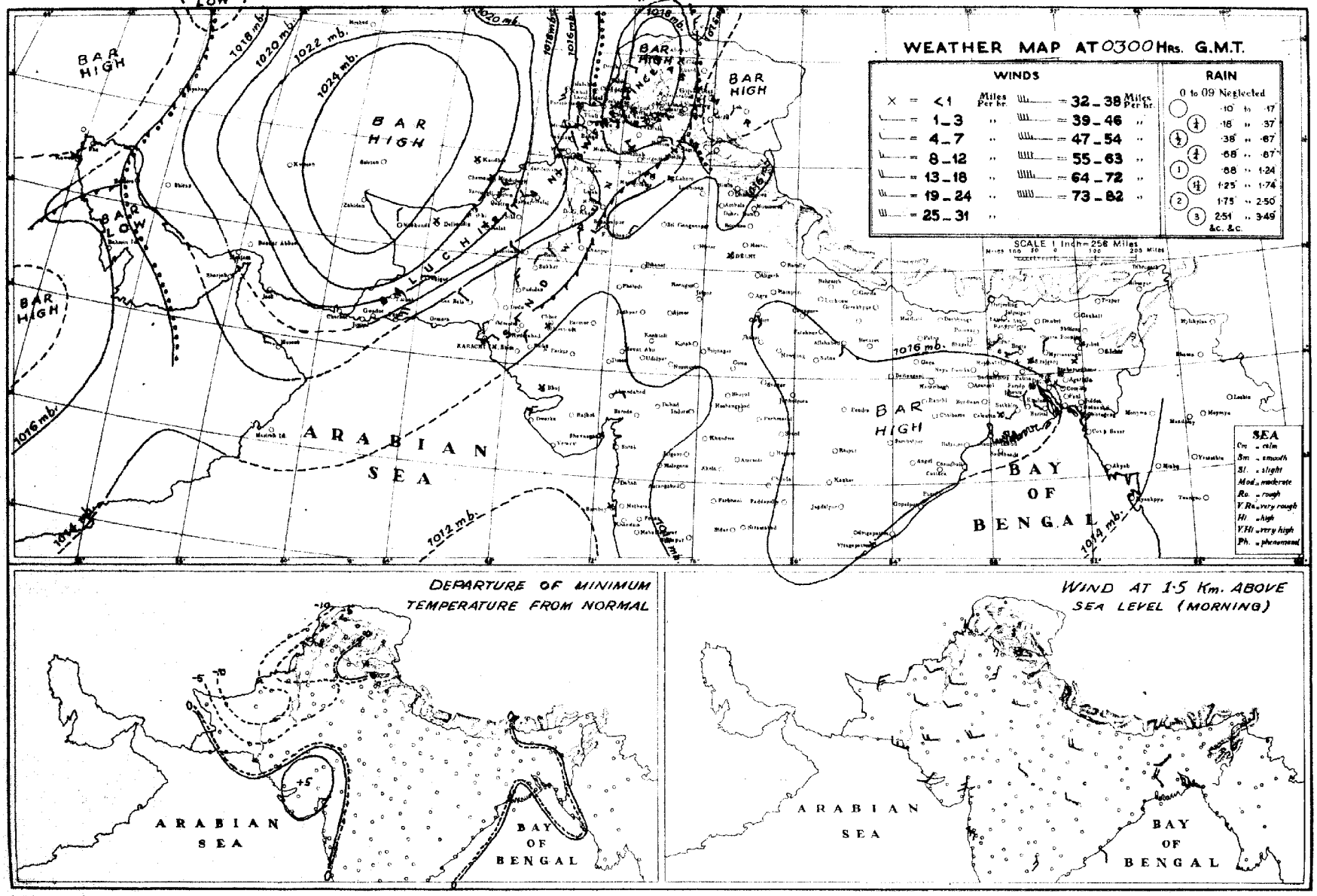
SUNDAY 20TH NOVEMBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

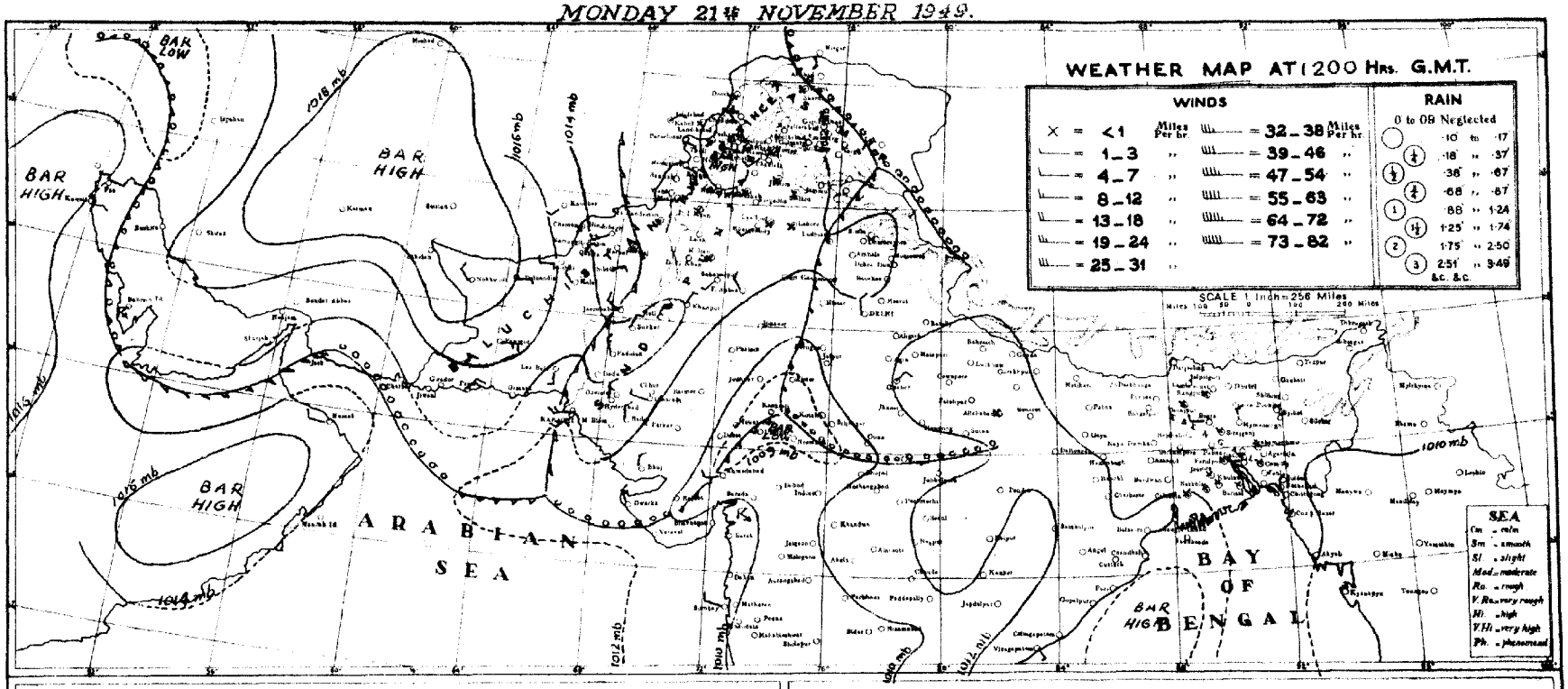
MONDAY 21 st NOVEMBER 1949.

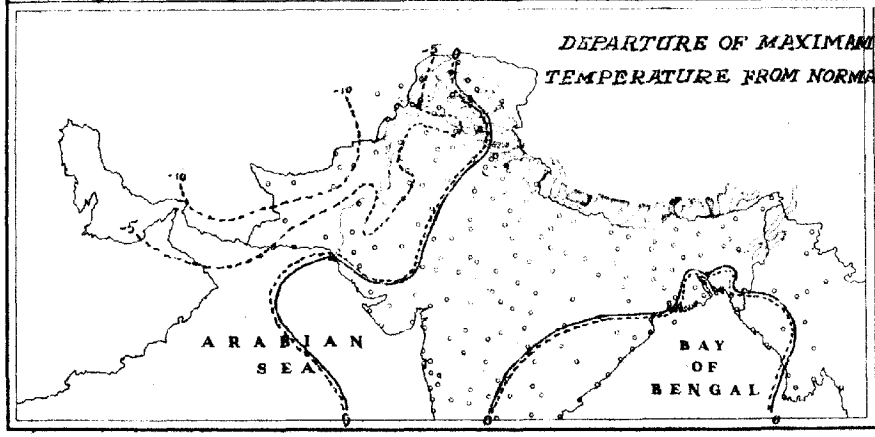


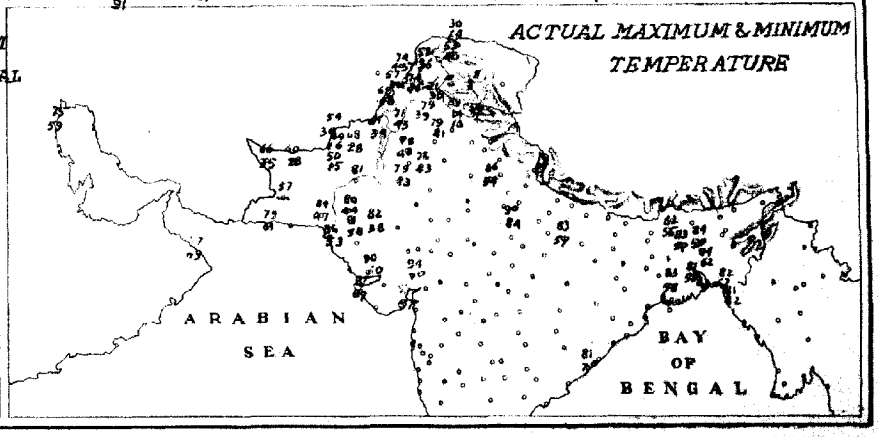
Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER REPORT

MONDAY 21st NOVEMBER 1949.



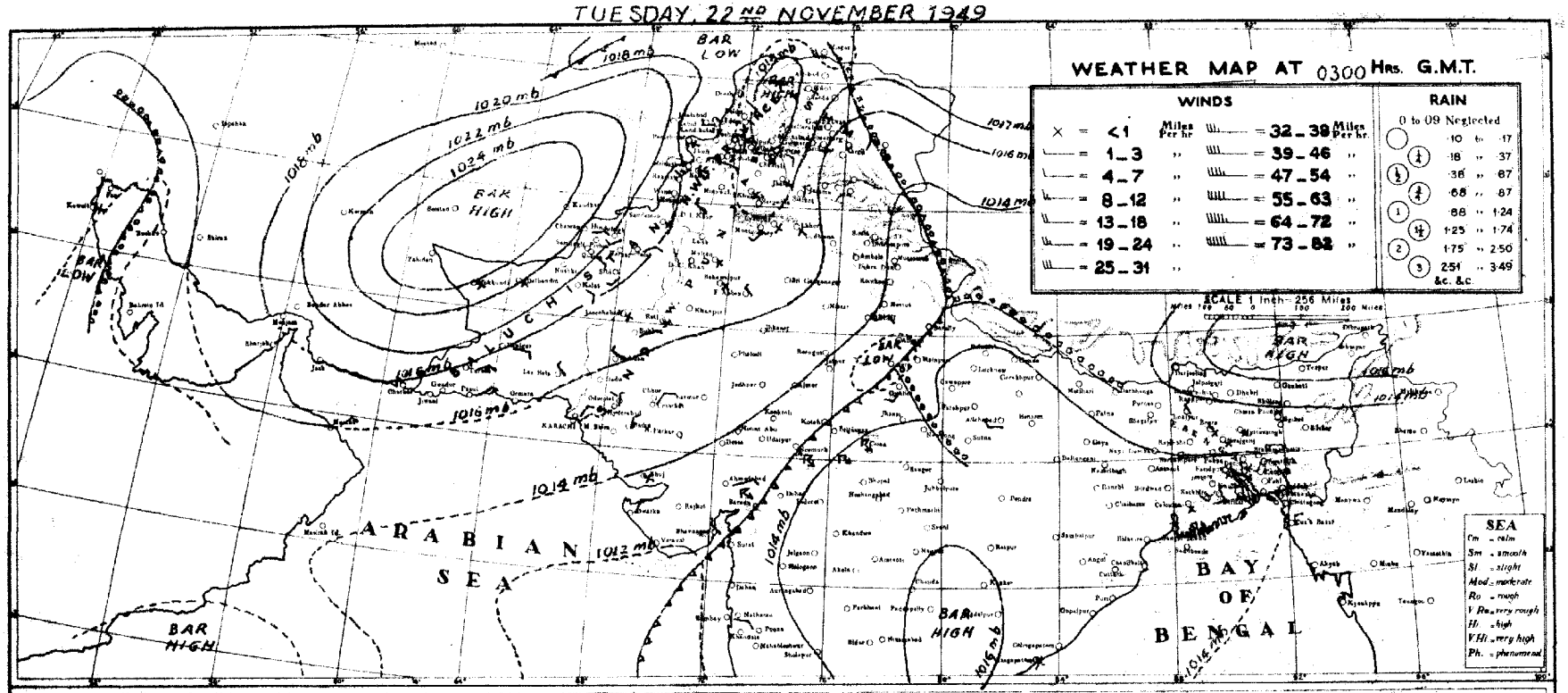


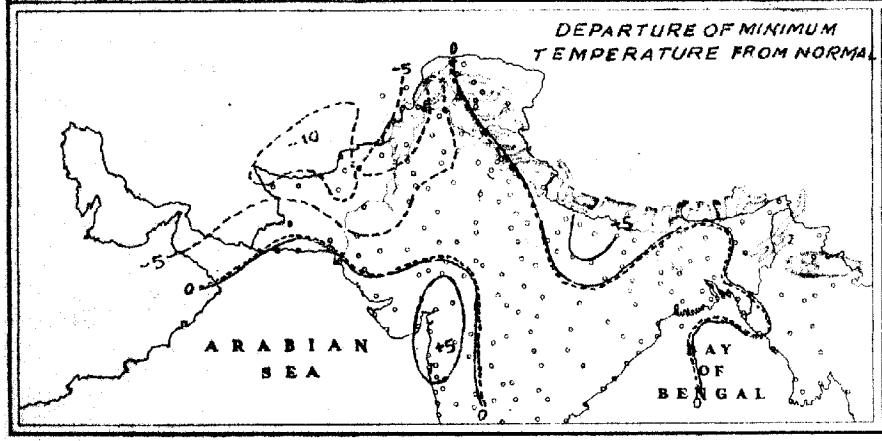


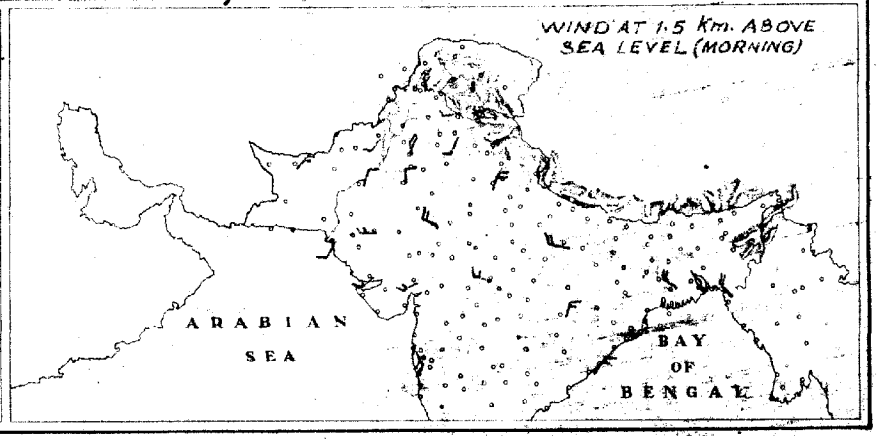
Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER REPORT

TUESDAY, 22ND NOVEMBER 1949



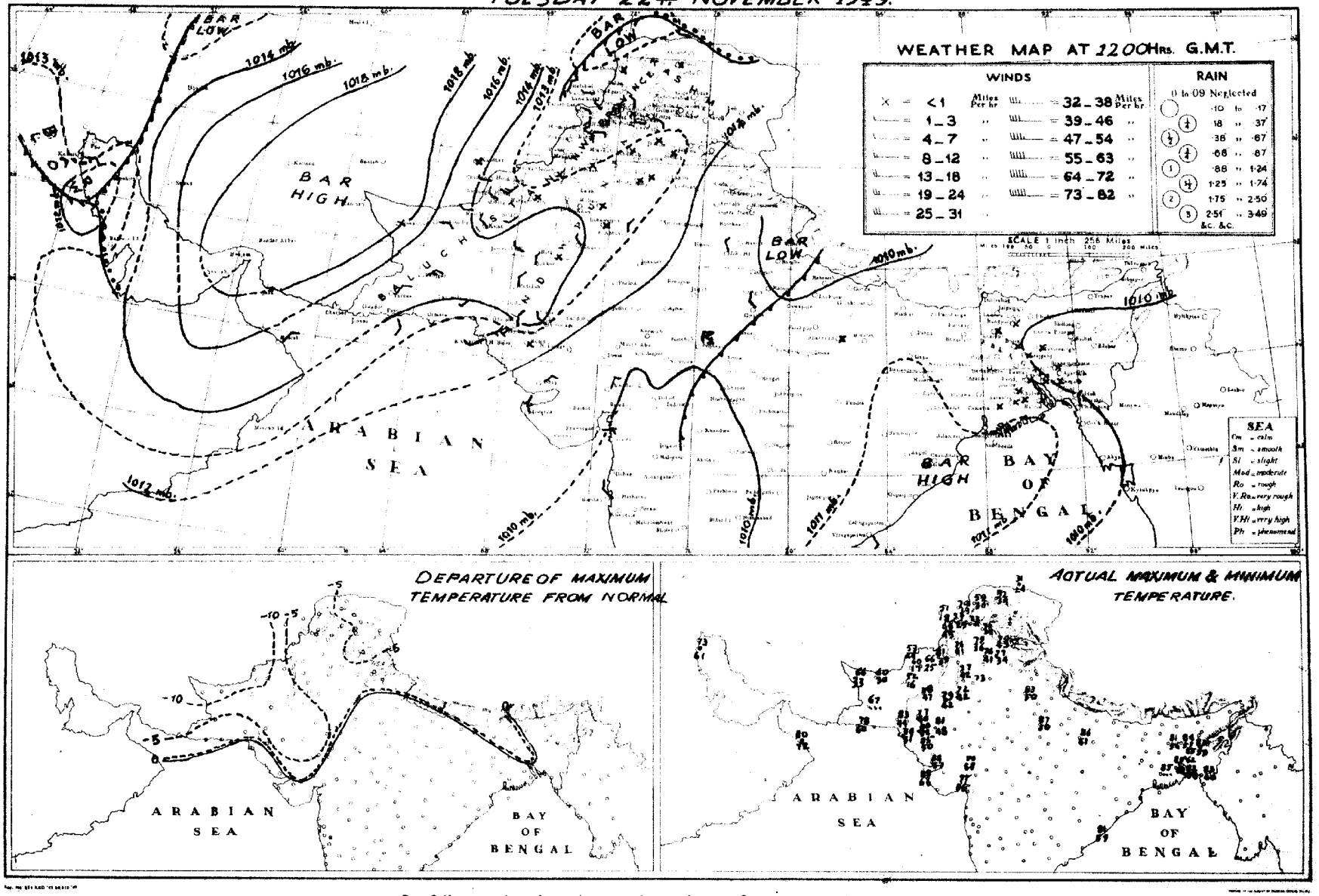




Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER REPORT

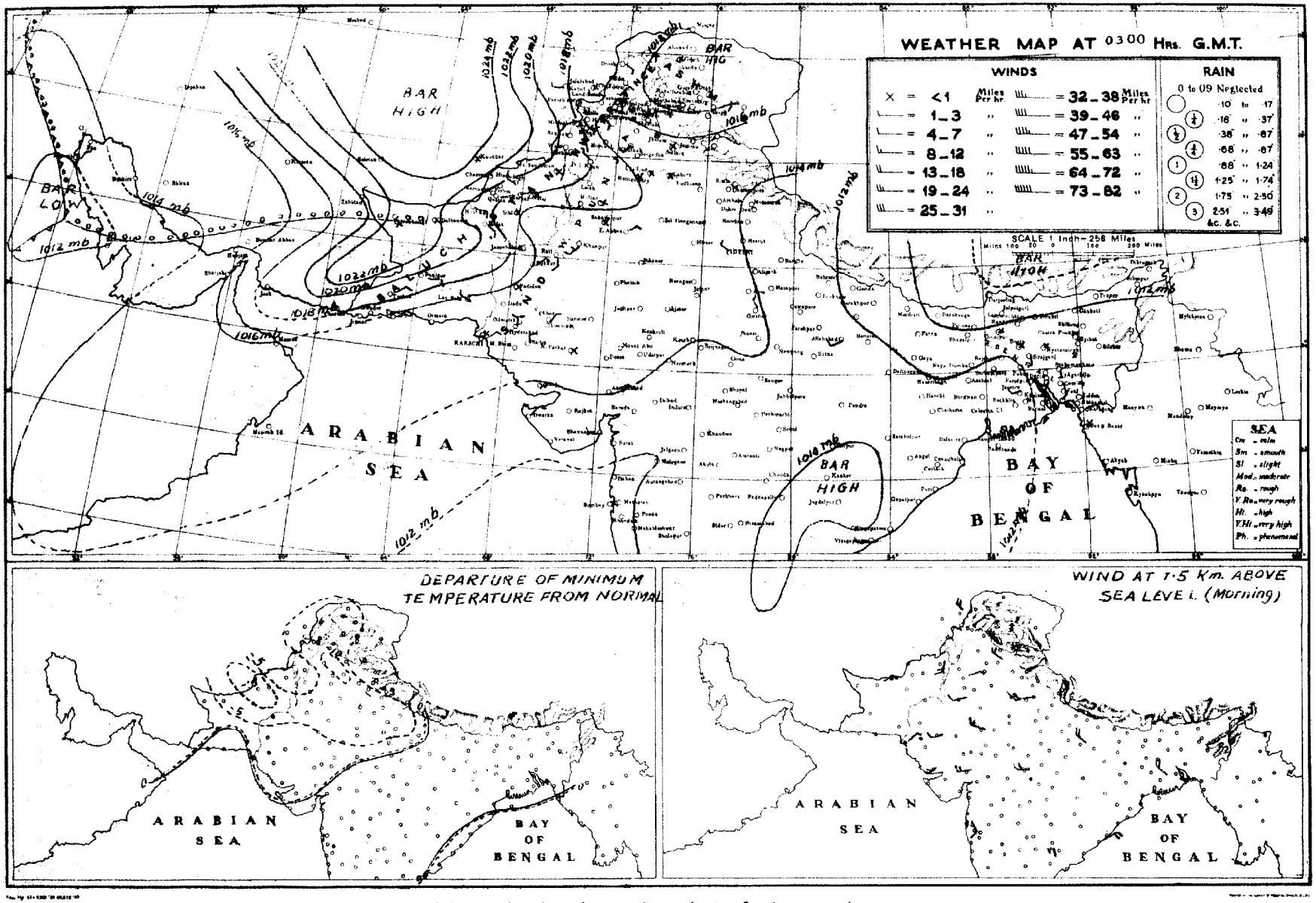
TUESDAY 22nd NOVEMBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

WEDNESDAY, 23RD NOVEMBER 1949.



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

Regd.No.....

WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G. M. T. on Wednesday, the 30th November, 1949.

——o:O:o——

SUMMARY OF WEATHER.

A western disturbance appeared over the Gulf of Oman on the 24th and gradually moved northeastwards through north Baluchistan and the North-West Frontier Province ; on the 27th, it lay over the northwest Punjab and finally moved away across Kashmir on the 28th. In its association a few showers fell in north Baluchistan on the 25th and in the North-West Frontier Province and the northwest Punjab on the subsequent two days.

Dry weather continued over East Pakistan

Night temperatures were appreciably to markedly below normal in West Pakistan on 24th and 25th and appreciably below normal in East Pakistan from 26th to 29th, and the North-West Frontier Province and north Baluchistan on the 30th. They were appreciably above normal in West Pakistan from 26th to 29th.

2. EAST PAKISTAN.—Dry weather.

KASHMIR—Data not available.

WEST PUNJAB.—A few showers occurred on the 27th and 28th, over the hills.

NORTH-WEST FRONTIER PROVINCE.—Rain fell at a few places on the 27th and on the hills only on the 28th.

BALUCHISTAN.—Scattered rainfall occurred on the 26th over north Baluchistan.

SIND.—Dry weather prevailed.

JUNAGADH.—Data not available.

3. The week's rainfall was scanty in north Baluchistan and the North-West Frontier Province. Elsewhere no rain fell in the plains.

Rainfall for the period from 1st November, 1949 to date was scanty in the Deltaic and Eastern sub-divisions of East Pakistan and in the North-West Frontier Province and north Baluchistan Elsewhere there was no rainfall.

4. The table overleaf summarises the rainfall statistics for the 11 sub-divisions of Pakistan both for the week and for the period from 1st November, 1949 to date.

KARACHI-11.
The 30th November, 1949.

MOHAMMAD SHABBAR,
for Director, Meteorological Services.

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WEATHER BUREAU

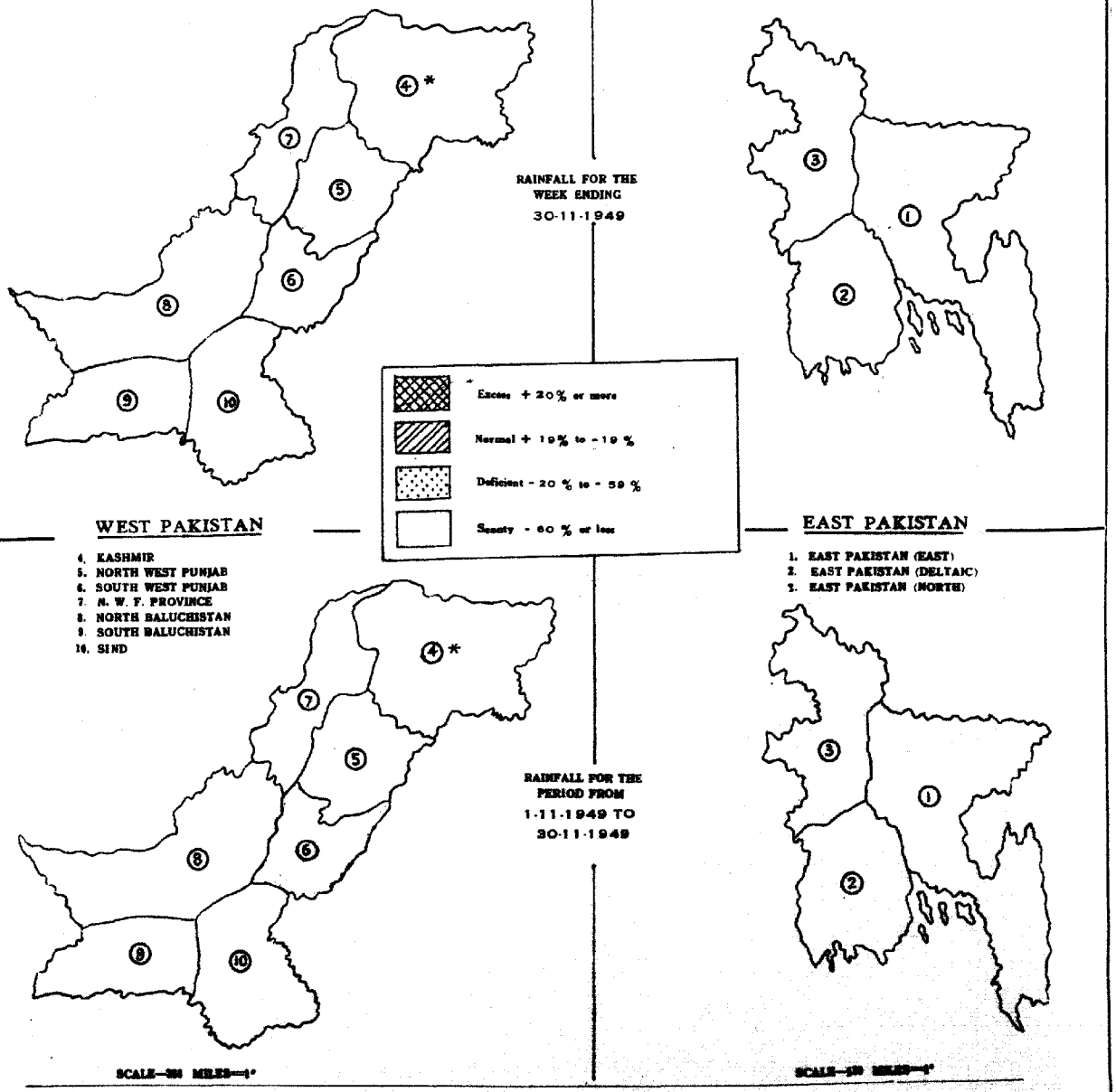
WEEKLY WEATHER REPORT

Division	Rainfall for week ending on 30th November 1949.			Rainfall for period from 1-11-49 to 30th November 1949.			
	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	0.3	1.6	− 1.3	− 84
2. East Pakistan (Deltaic)	0	0	0	0.3	1.1	− 0.8	− 70
3. East Pakistan (North)	0	0	0	0	0.6	− 0.6	−100
4. Kashmir †	....	....	....	....	....	....	...
5. North West Punjab	0	0.1	− 0.1	0	0.1	− 0.1	−100
6. South West Punjab	0	0.1	− 0.1	0	0.1	− 0.1	−100
7. N. W. F. P.	0	0.1	− 0.1	0	0.1	− 0.1	− 93
8. North Baluchistan	0	0.1	− 0.1	0	0.2	− 0.1	− 88
9. South Baluchistan	0	0.1	− 0.1	0	0.2	− 0.2	−100
10. Sind	0	0	0	0	0.1	− 0.1	−100
11. Junagadh †	...	....	....	...	....		...

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

† Data not available.

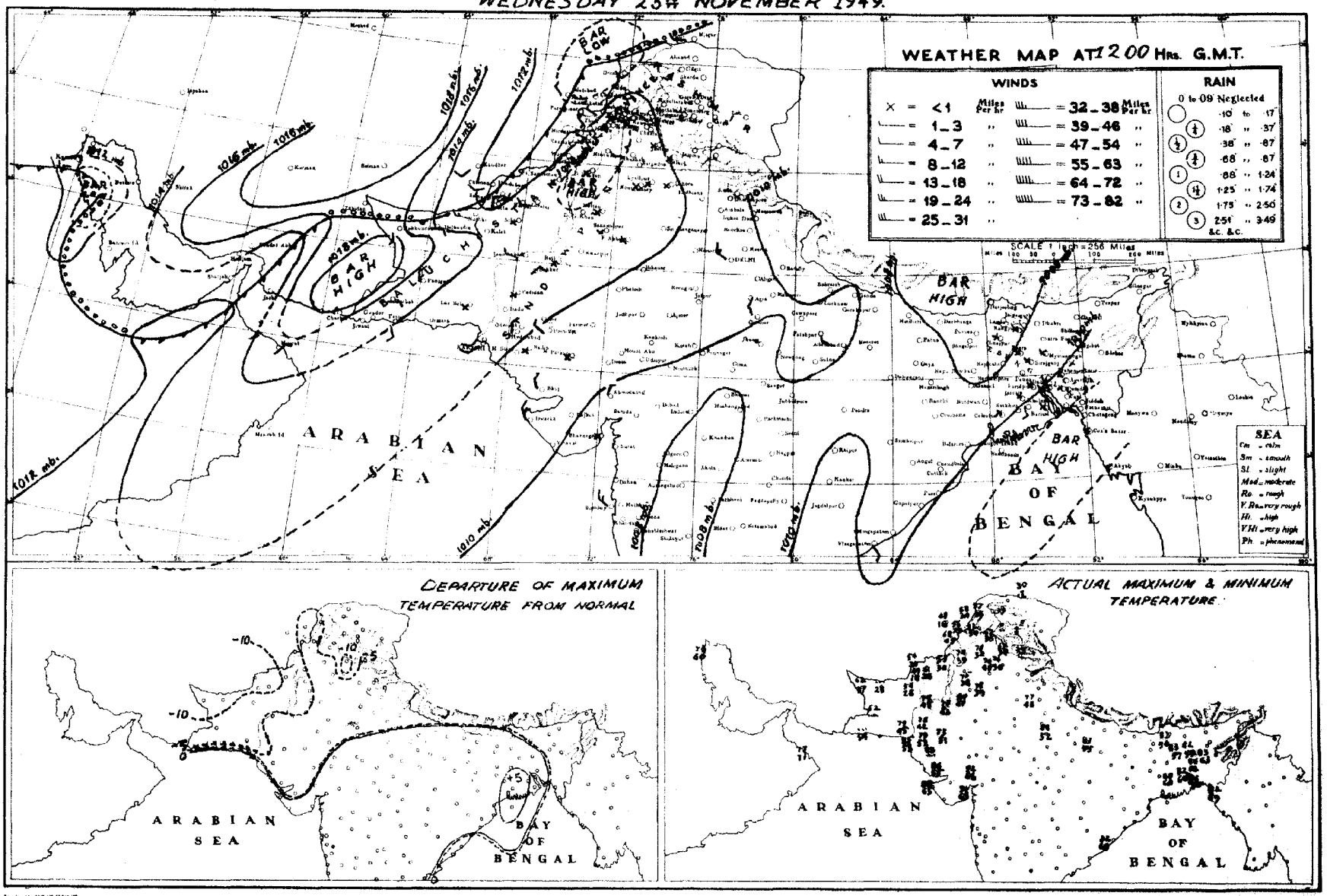
†† Rainfall for stations having no normals is not included.



* Data not available.

PAKISTAN DAILY WEATHER REPORT

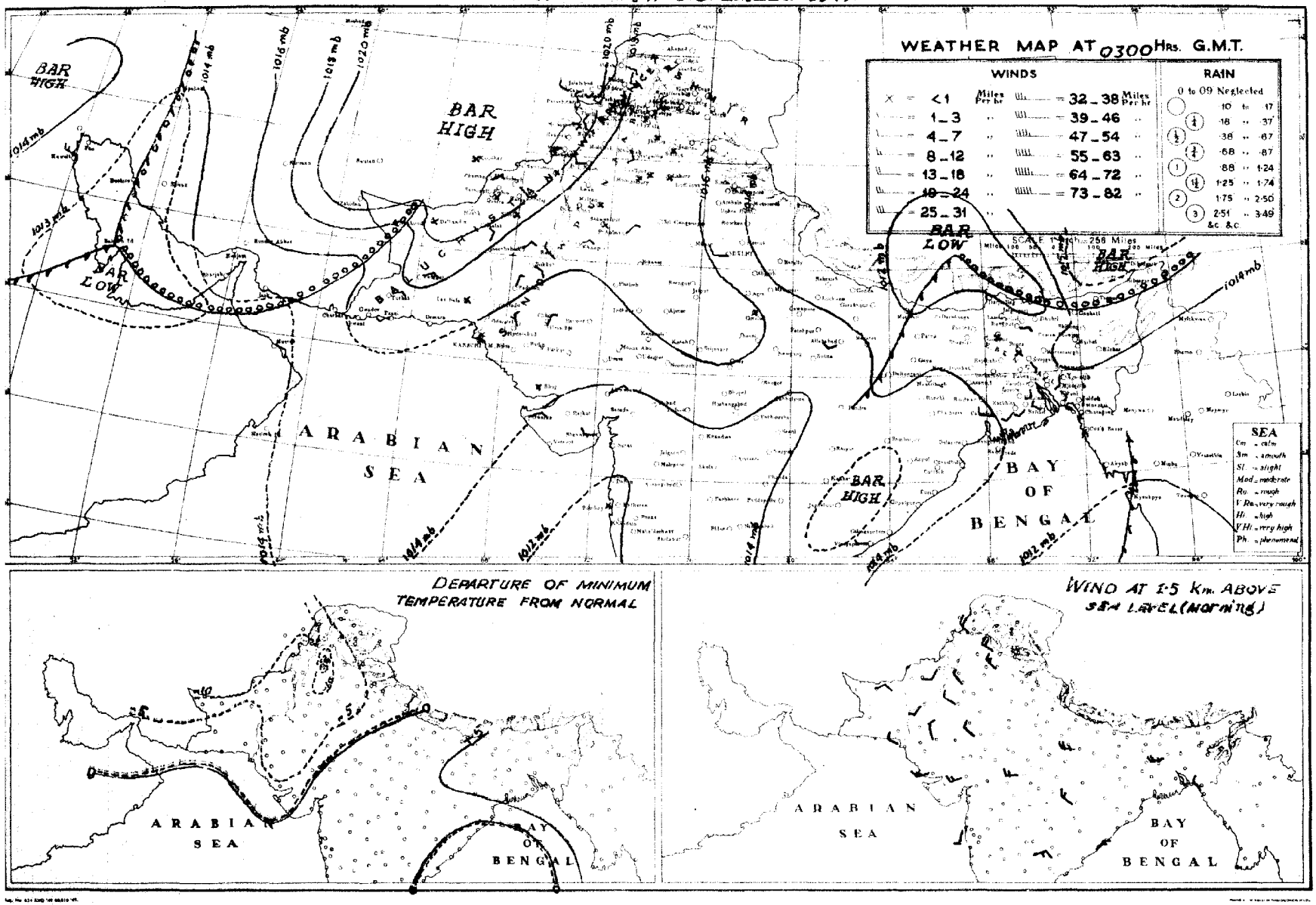
WEDNESDAY 23rd NOVEMBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

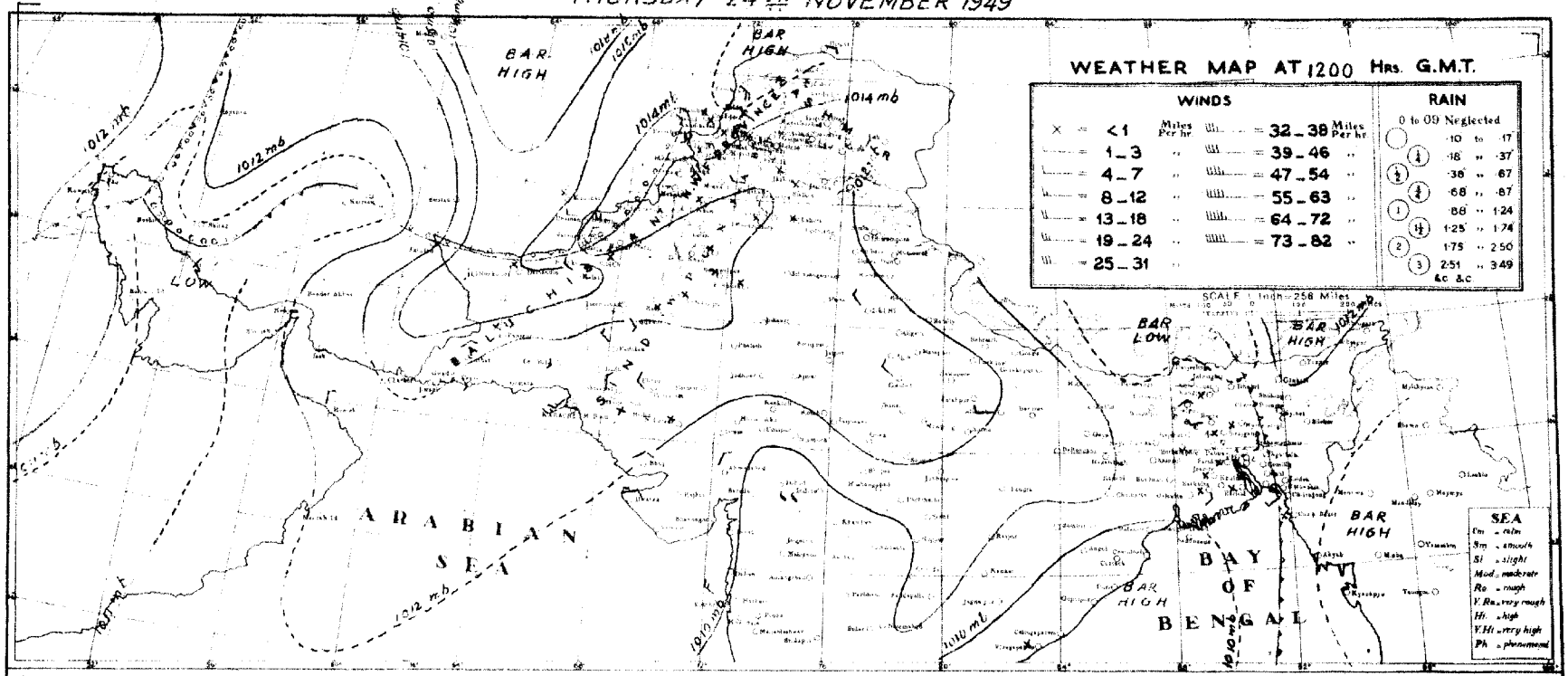
THURSDAY 24th NOVEMBER 1949.

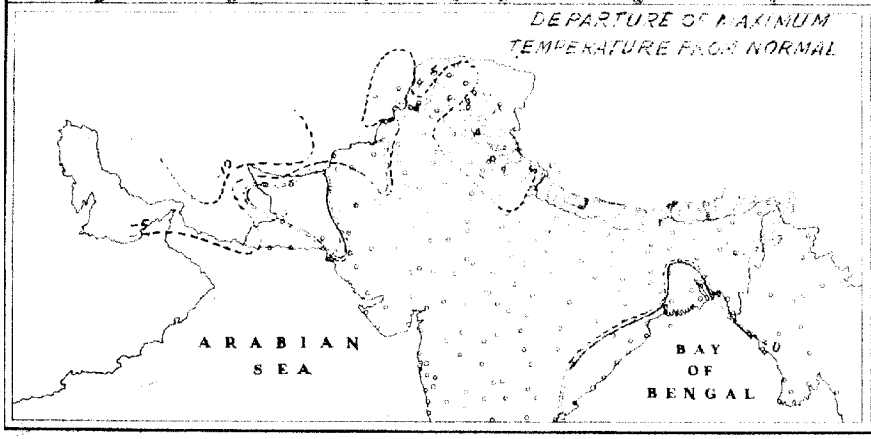


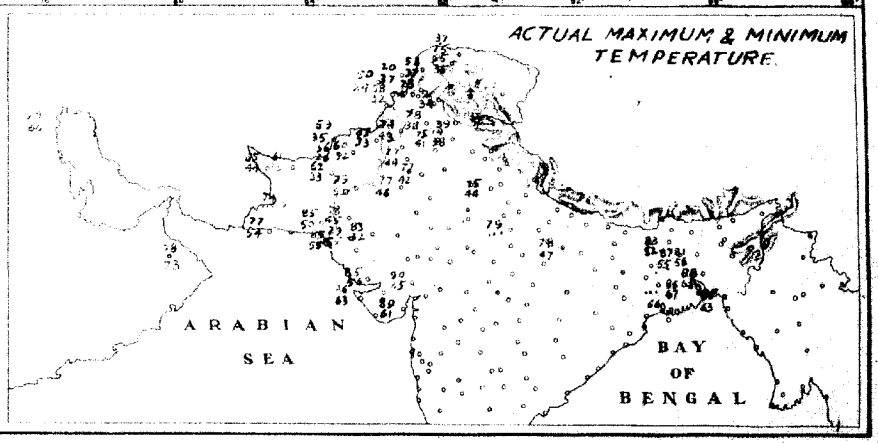
Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER REPORT

THURSDAY 24TH NOVEMBER 1949



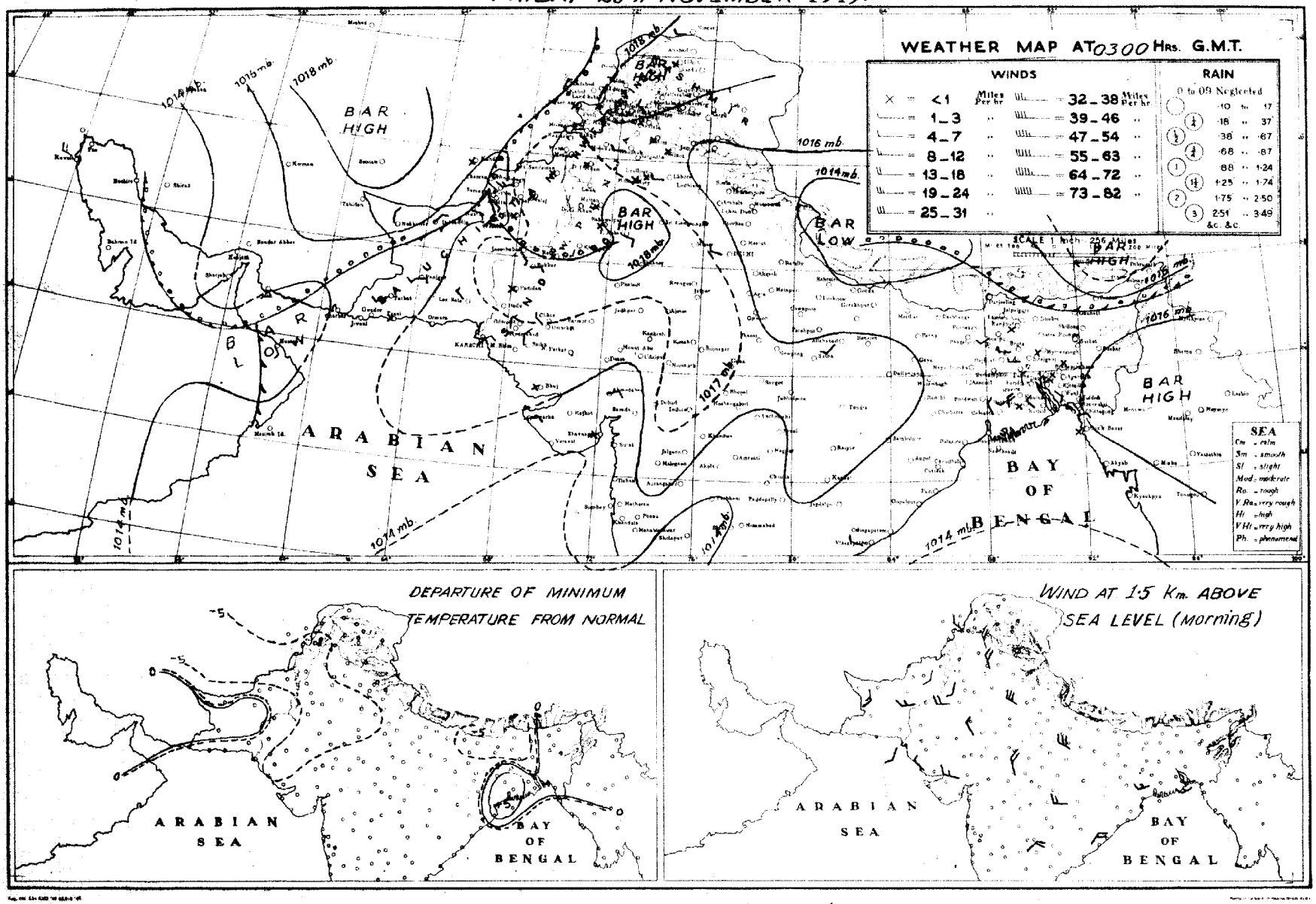




Rainfall amounts indicated in the above chart refer to past 8 hours.

PAKISTAN DAILY WEATHER REPORT

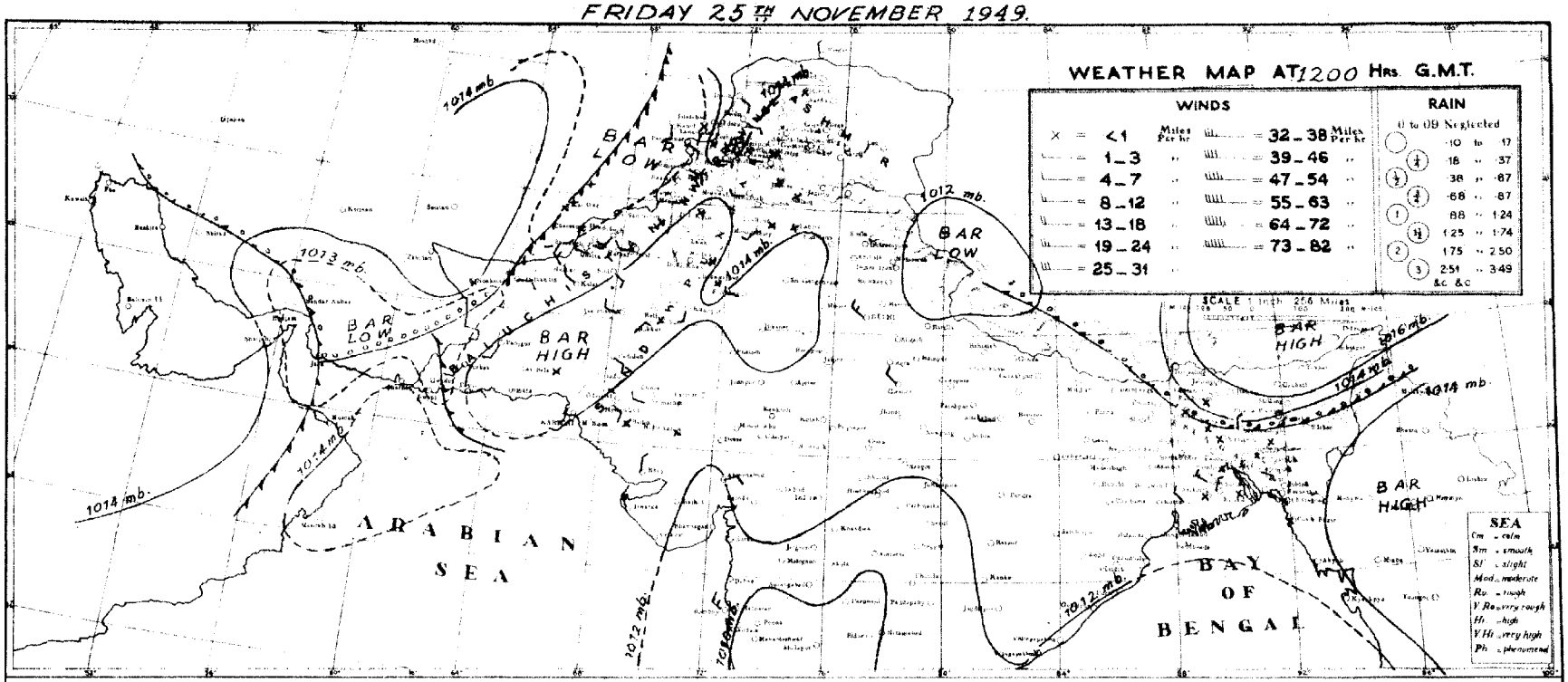
FRIDAY 25TH NOVEMBER 1949.

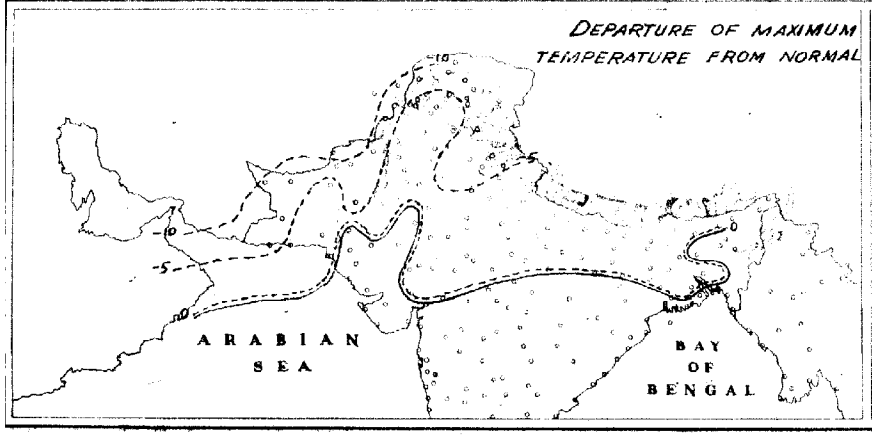


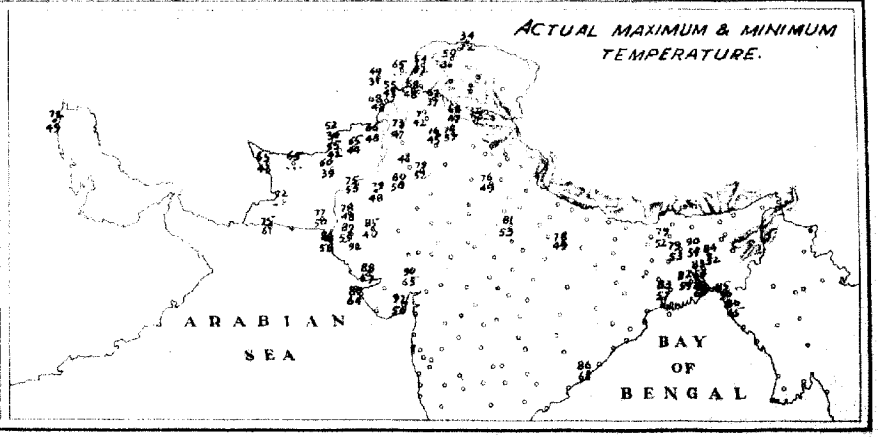
Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER REPORT

FRIDAY 25TH NOVEMBER 1949.



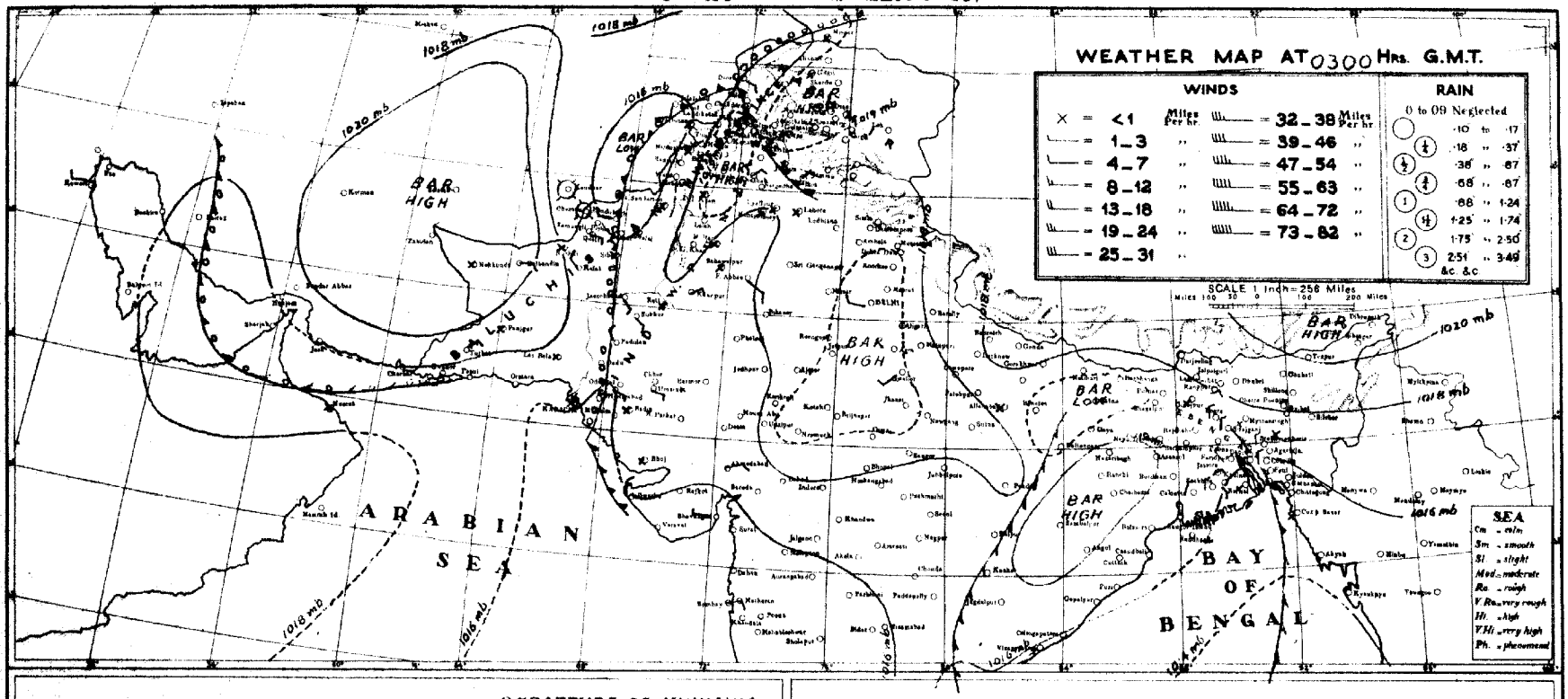


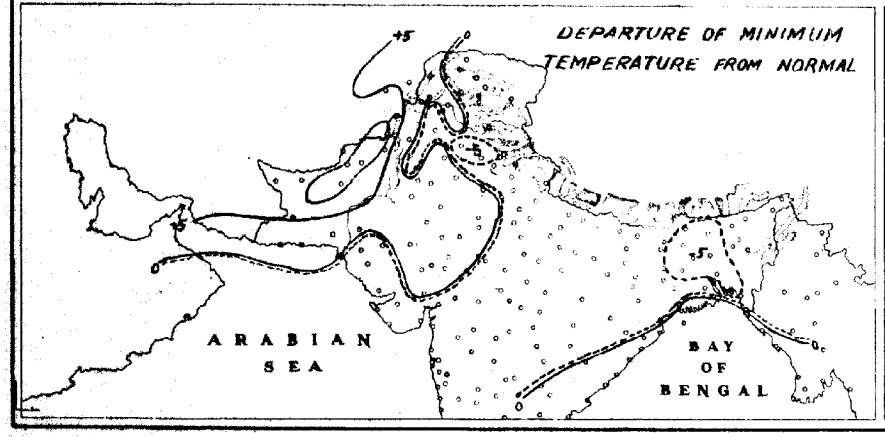


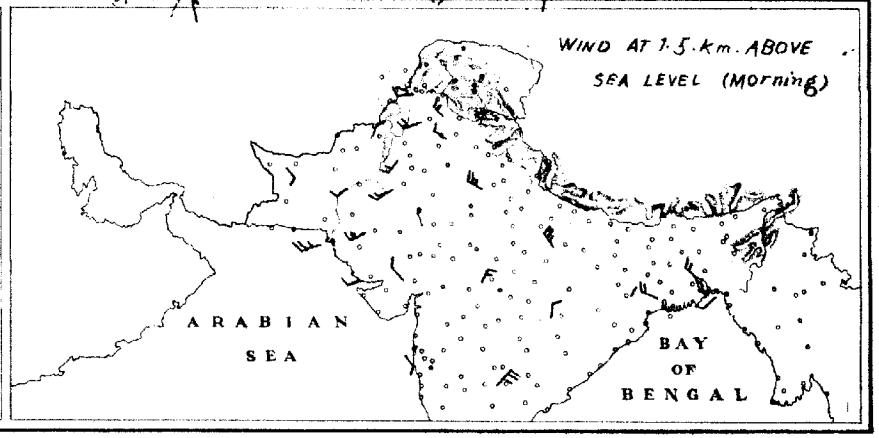
Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER REPORT

SATURDAY 26th NOVEMBER 1949.



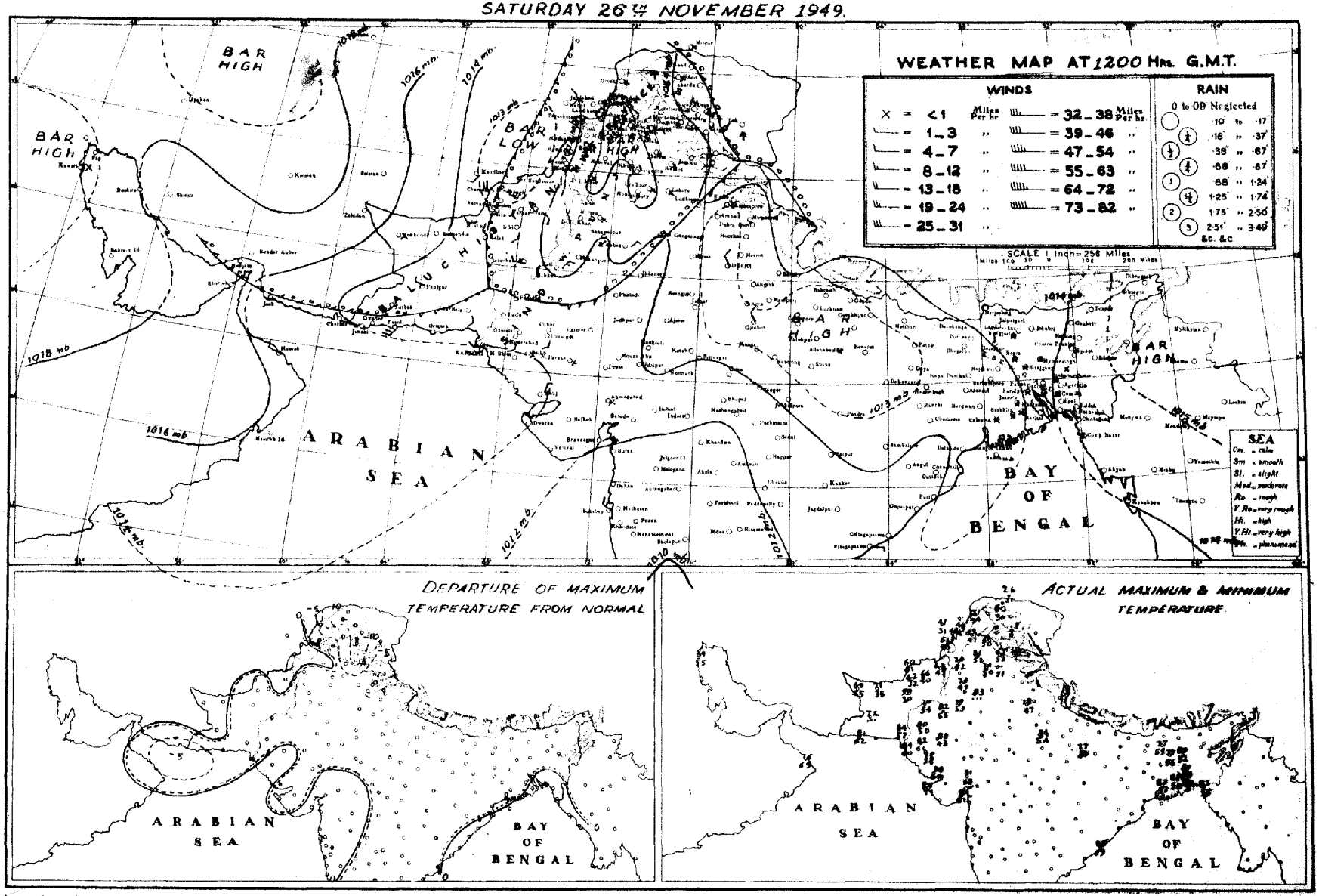




Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER REPORT

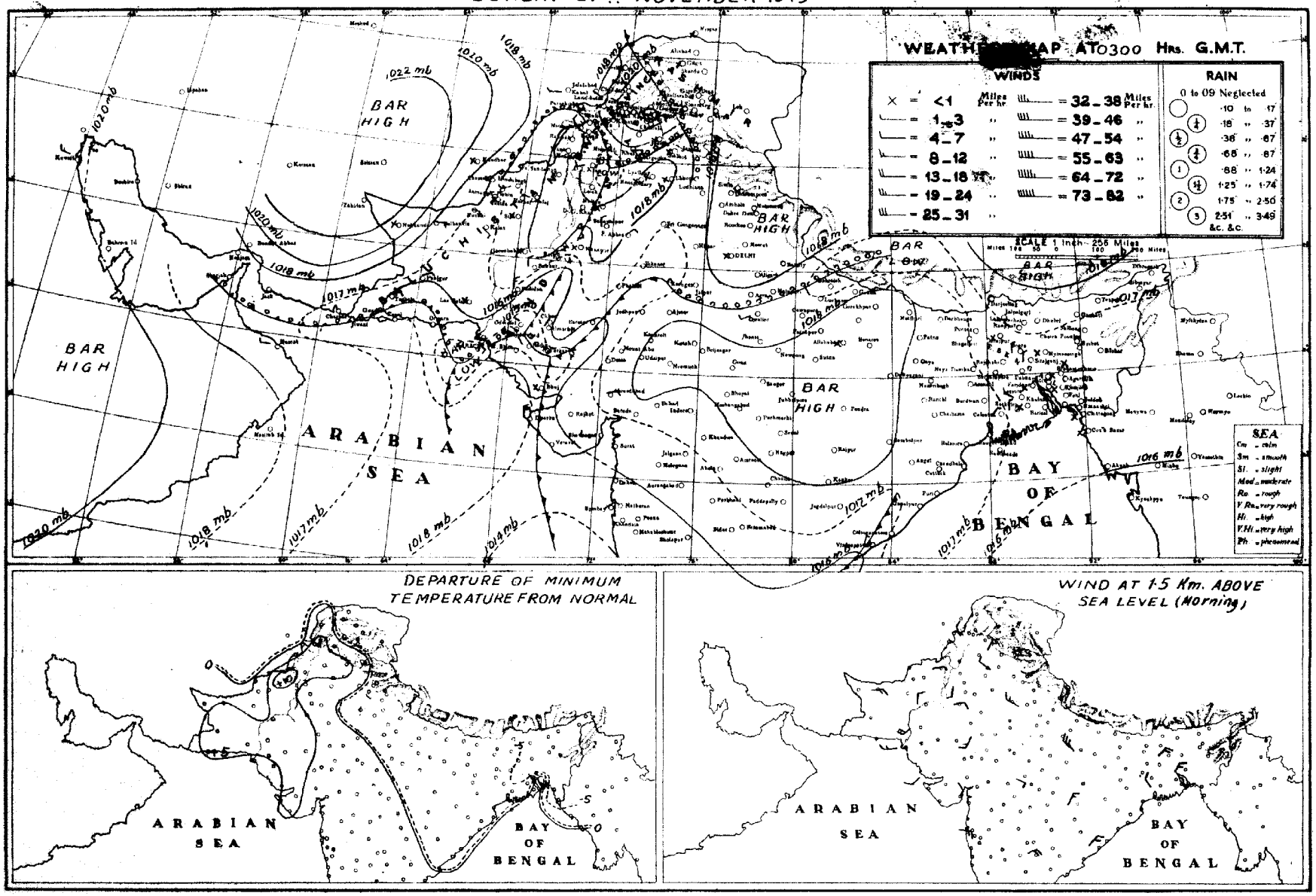
SATURDAY 26TH NOVEMBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

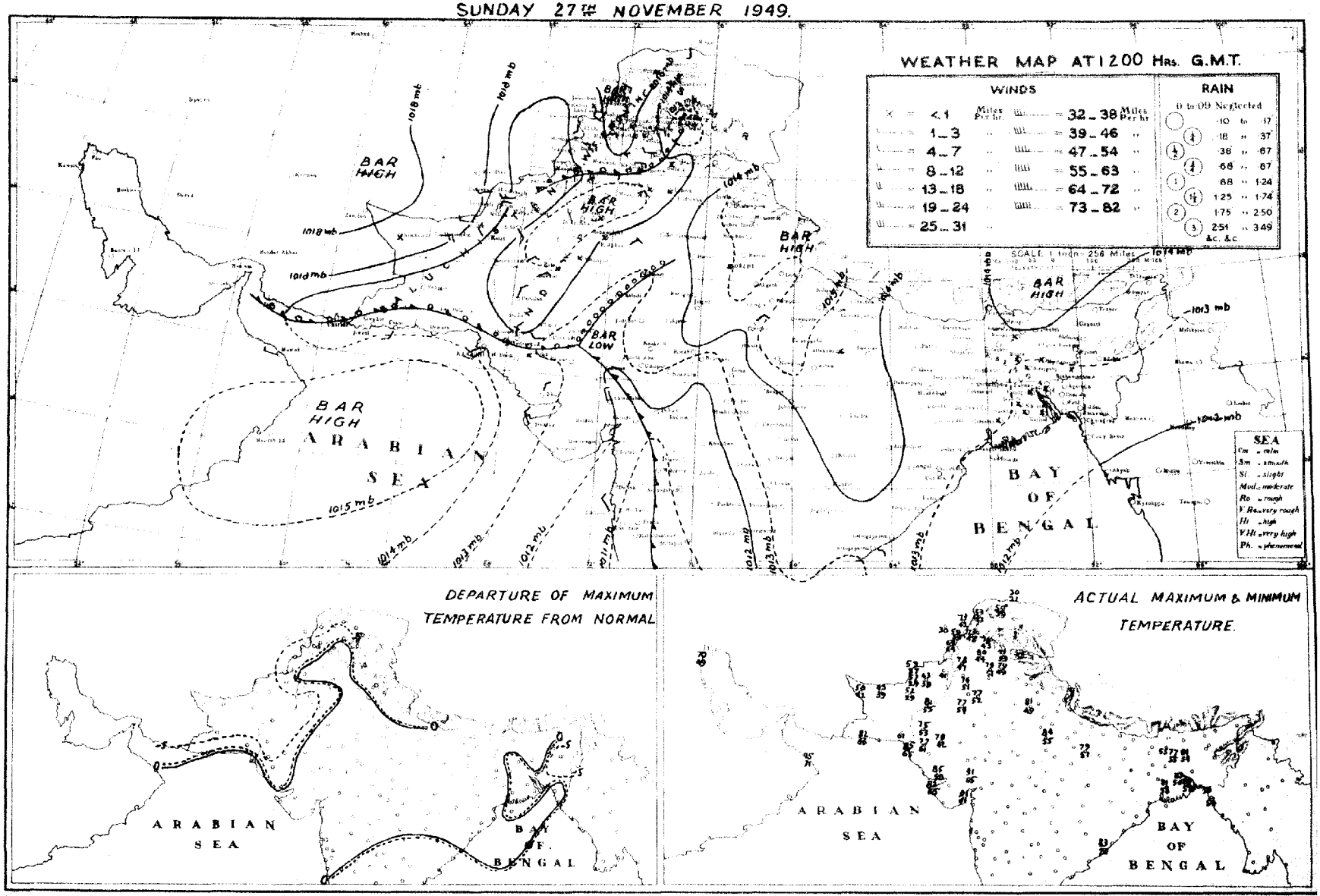
SUNDAY 27TH NOVEMBER 1949



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

PAKISTAN DAILY WEATHER REPORT

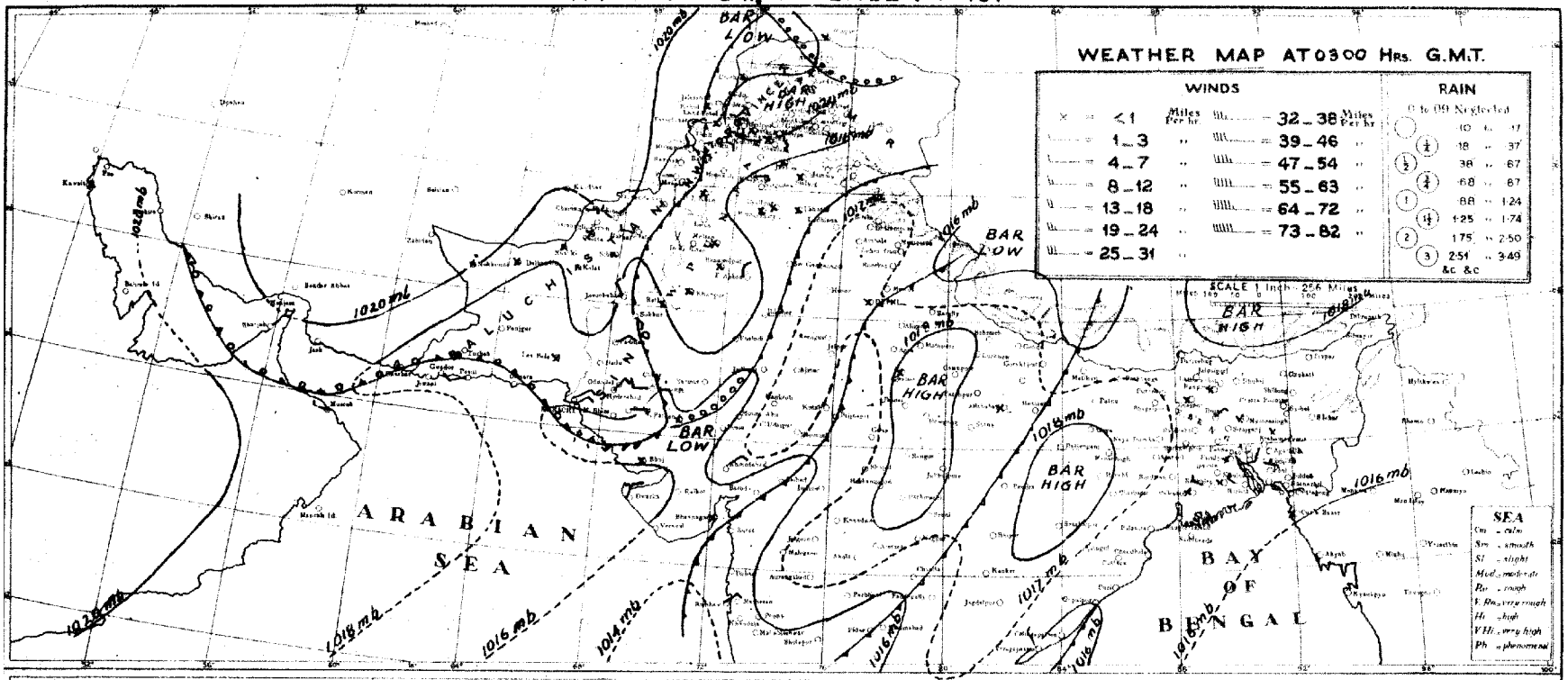
SUNDAY 27TH NOVEMBER 1949.

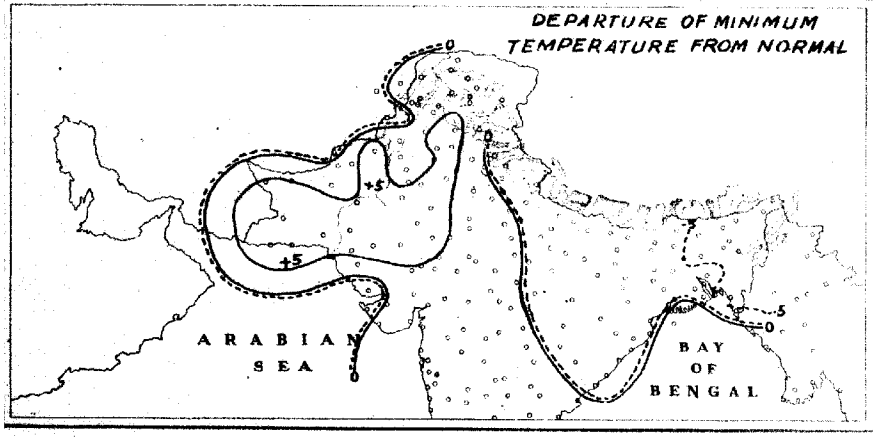


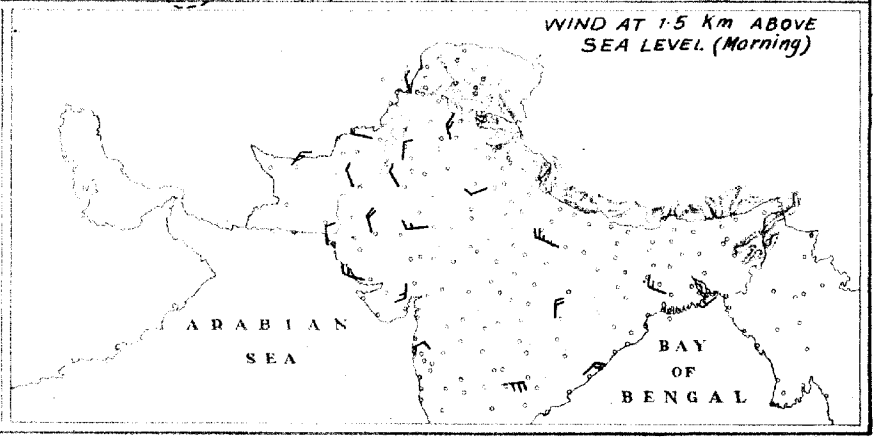
Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER REPORT

MONDAY 28TH NOVEMBER 1949.



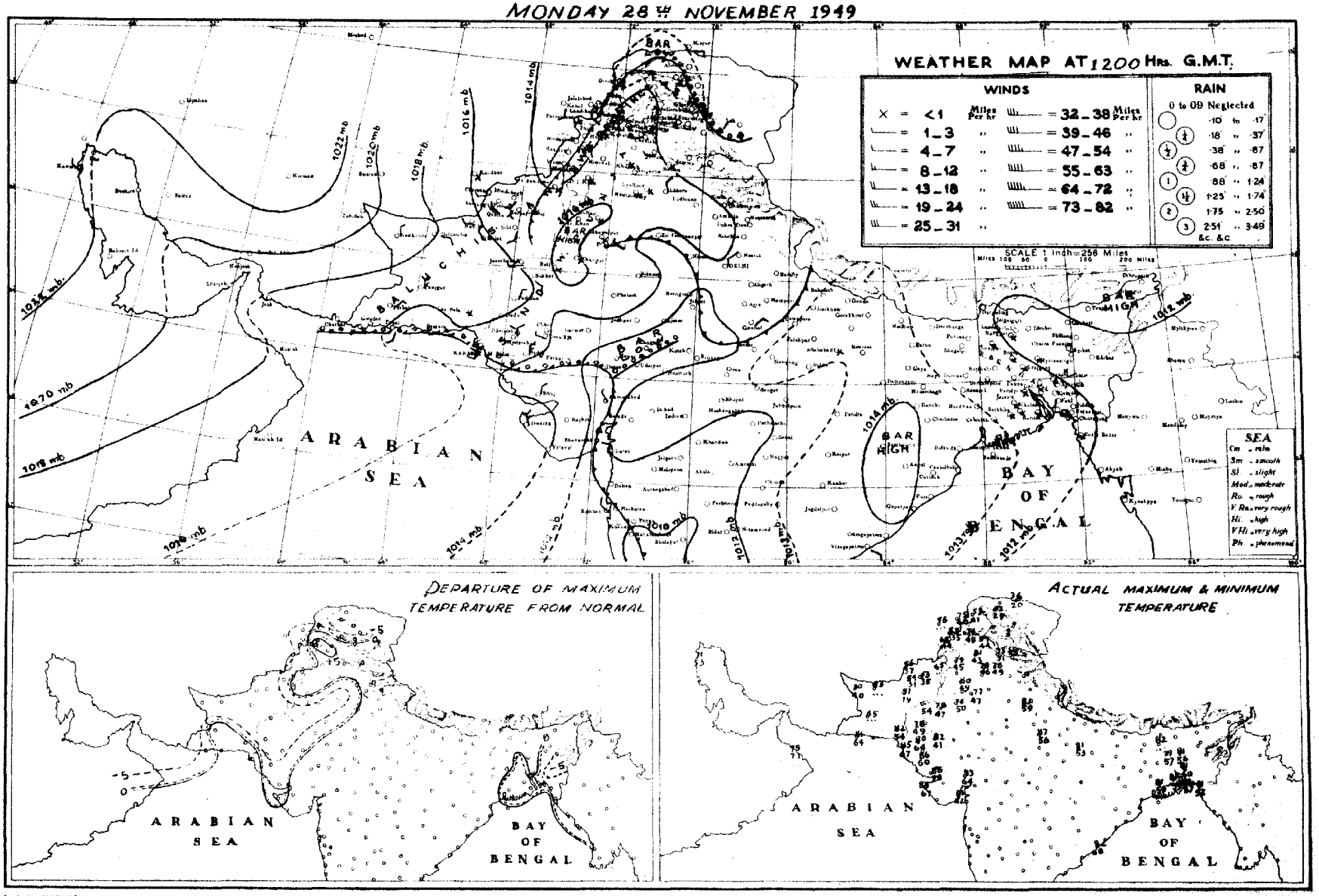




Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER REPORT

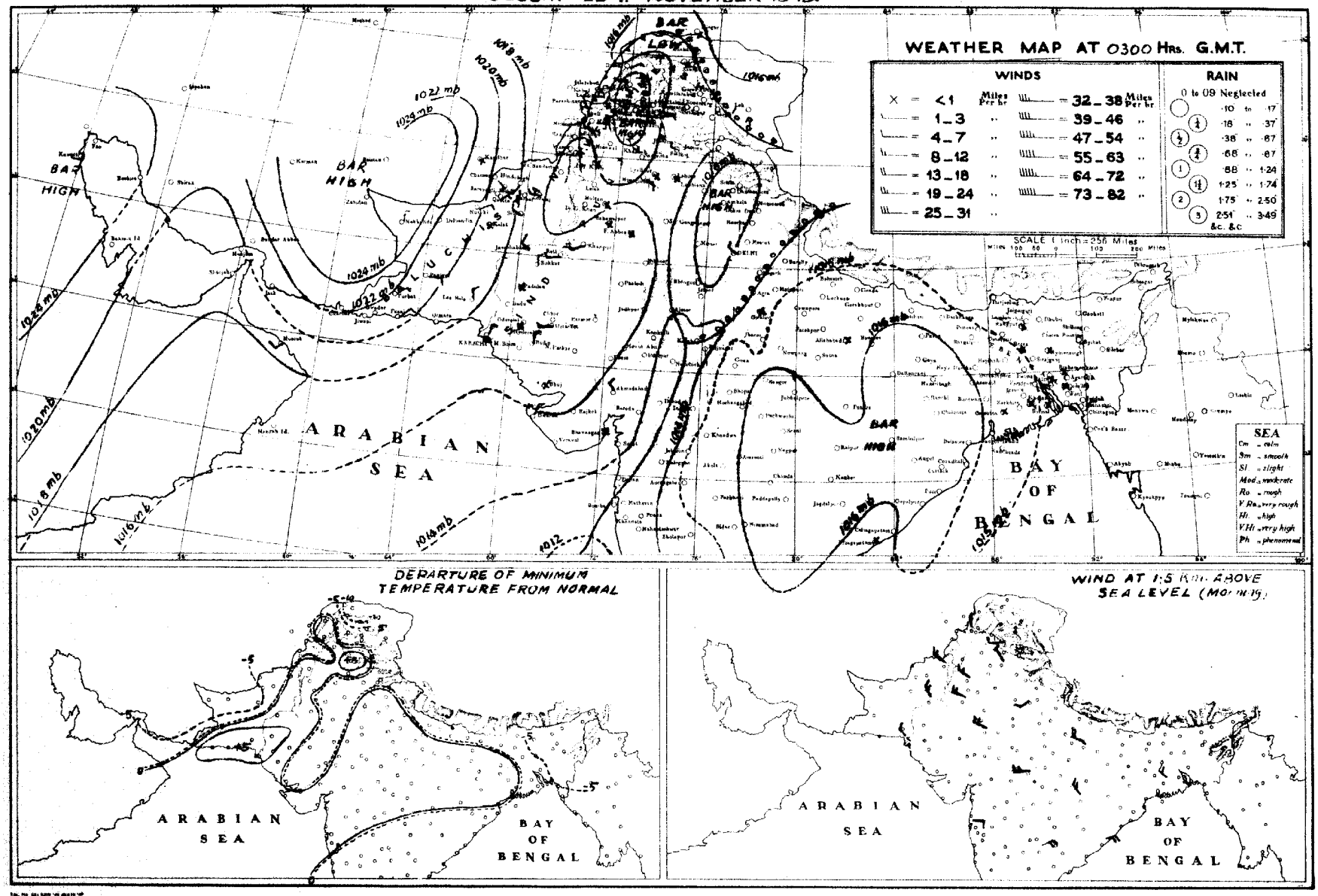
MONDAY 28TH NOVEMBER 1949



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

PAKISTAN DAILY WEATHER REPORT

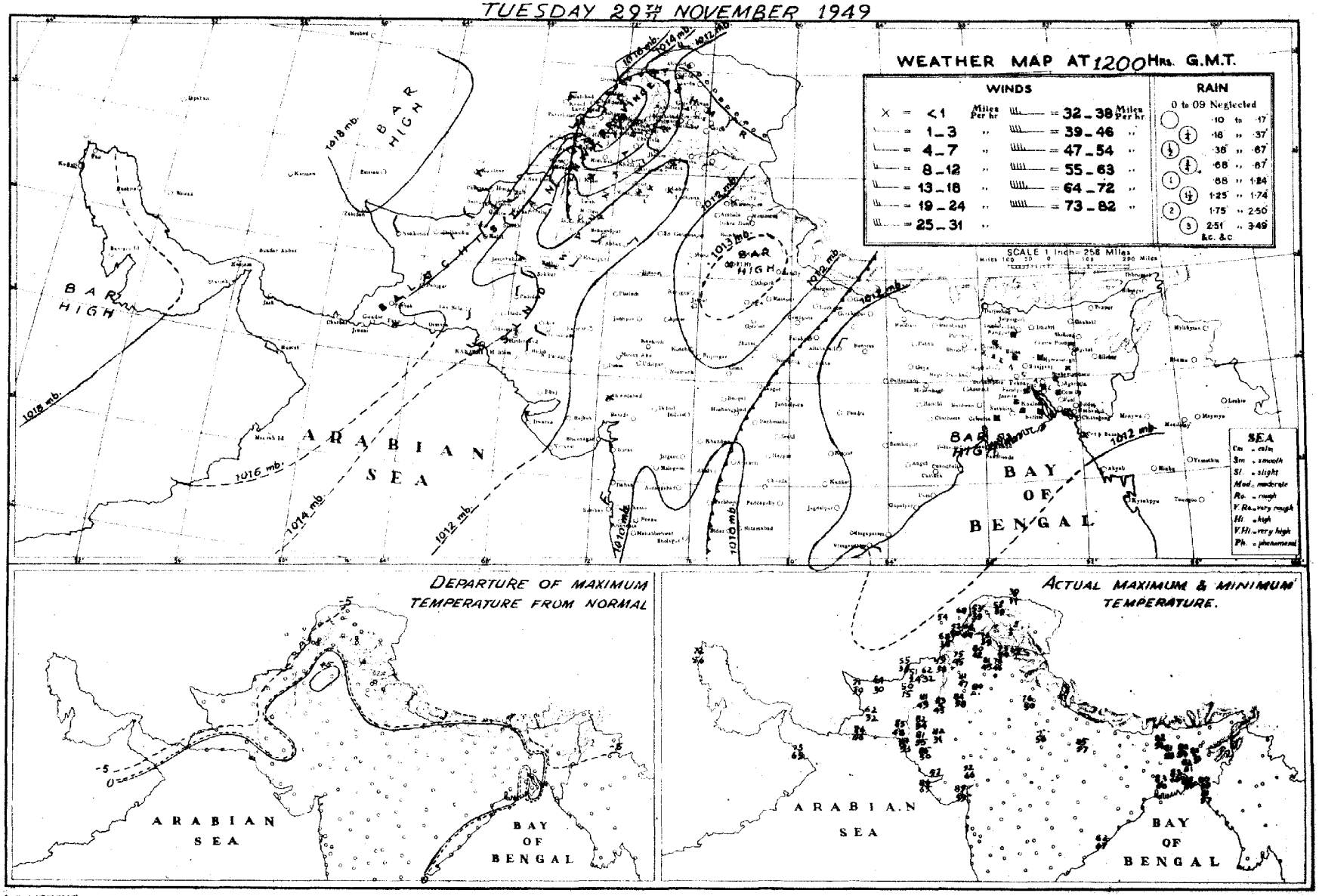
TUESDAY 29TH NOVEMBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

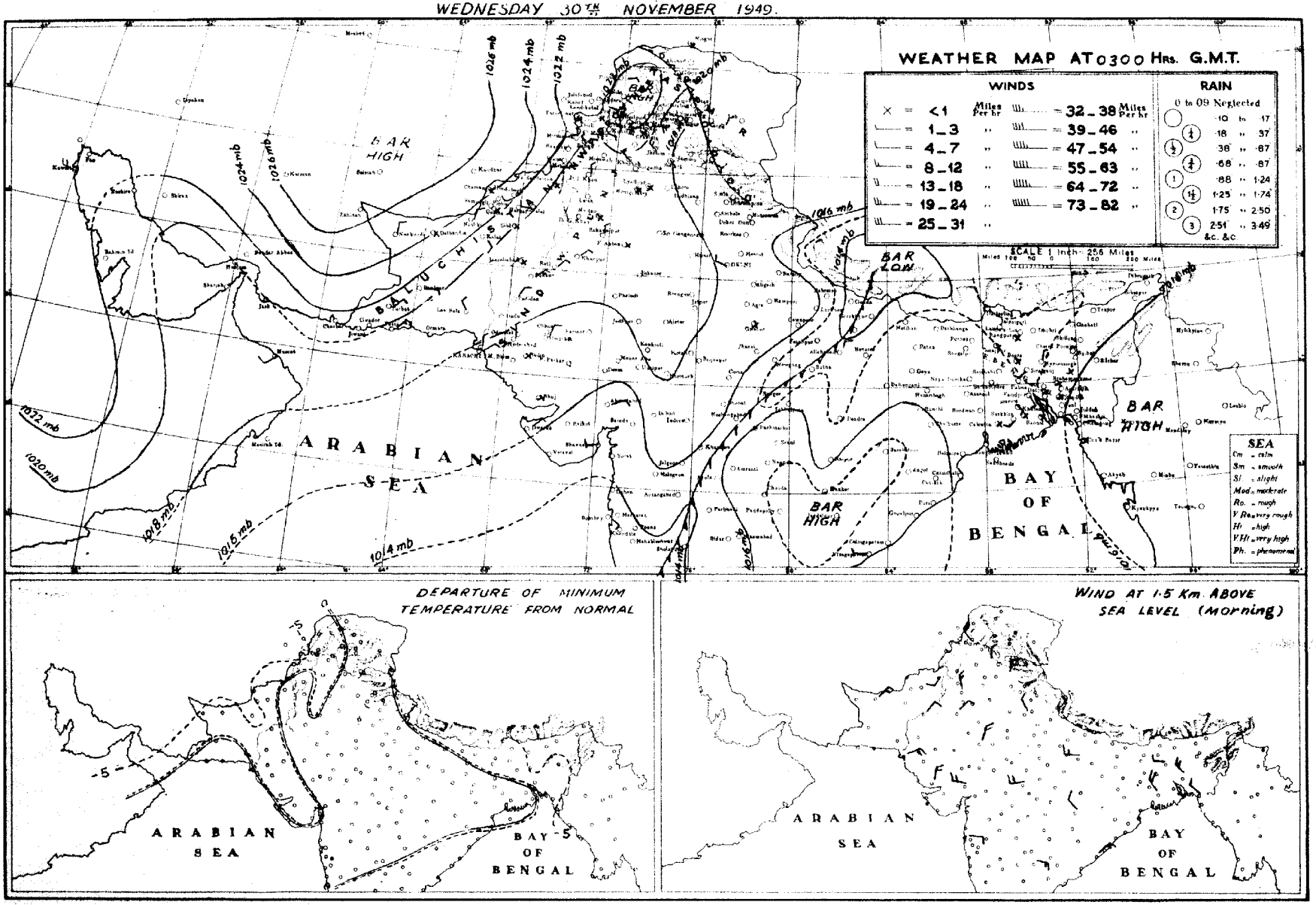
TUESDAY 29TH NOVEMBER 1949



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

PAKISTAN DAILY WEATHER REPORT

WEDNESDAY 30TH NOVEMBER 1949.



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

Regd. No.....

WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G. M. T. on Wednesday, the 7th December, 1949.

——o:O:o——

SUMMARY OF WEATHER.

Dry weather prevailed over the country during the week.

Night temperatures were appreciably to markedly below normal in West Pakistan from 2nd to 5th and in East Pakistan from 5th to 7th. They were appreciably below normal in the lower North-West Frontier Province, north Baluchistan and plains of the northwest Punjab on the 1st, in the Eastern and the Northern sub-divisions of East Pakistan on the 3rd, in East Pakistan on the 4th, in Sind and plains of the West Punjab on the 6th and in the North-West Frontier Province, plains of the West Punjab and lower Sind on the 7th. They were generally appreciably above normal in East Pakistan on the 1st and 2nd.

2. EAST PAKISTAN : Dry weather continued.

KASHMIR : Data not available.

WEST PUNJAB : Dry weather continued.

NORTH-WEST FRONTIER PROVINCE : Dry weather continued.

BALUCHISTAN : Dry weather continued.

SIND : Dry weather continued.

JUNAGADH : Data not available.

3. There was no rainfall over the country during the week.

Rainfall for the period from 1st November 1949 to date was scanty in the Eastern and Deltaic sub-divisions of East Pakistan, the North-West Frontier Province and north Baluchistan. Elsewhere, no rain fell.

4. The table overleaf summarises the rainfall statistics for the 11 sub-divisions of Pakistan both for the week and for the period from 1st November 1949 to date.

KARACHI-11.

The 7th December, 1949.

MOHAMMAD SHABBAR,
for Director, Meteorological Services.

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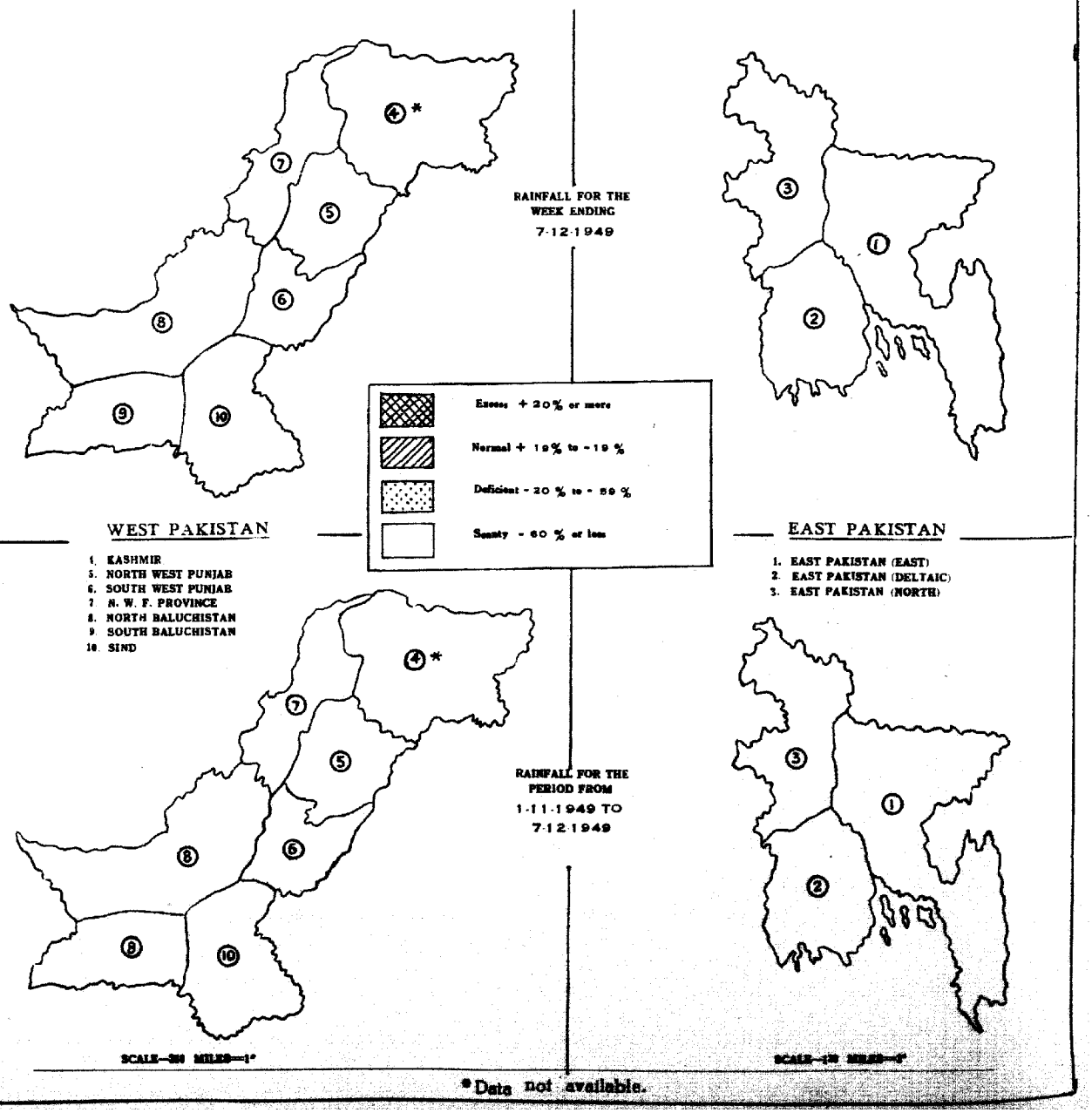
WEEKLY WEATHER REPORT

Division	Rainfall for week ending on 7th December 1949.			Rainfall for period from 1-11-49 to 7th December 1949.			
	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	0.3	1.7	− 1.4	− 85
2. East Pakistan (Deltaic)	0	0.3	− 0.3	0.3	1.4	− 1.1	− 77
3. East Pakistan (North)	0	0	0	0	0.6	− 0.6	−100
4. Kashmir †	....	....	....	....	....	....	...
5. North West Punjab	0	0.1	− 0.1	0	0.2	− 0.2	−100
6. South West Punjab	0	0	0	0	0.1	− 0.1	−100
7. N. W. F. P.	0	0.1	− 0.1	0	0.3	− 0.3	− 96
8. North Baluchistan	0	0.2	− 0.2	0	0.4	− 0 4	− 95
9. South Baluchistan	0	0.1	− 0.1	0	0.2	− 0.2	−100
10. Sind	0	0	0	0	0.1	− 0.1	−100
11. Junagadh †	...	....	....	...	....		...

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

† Data not available

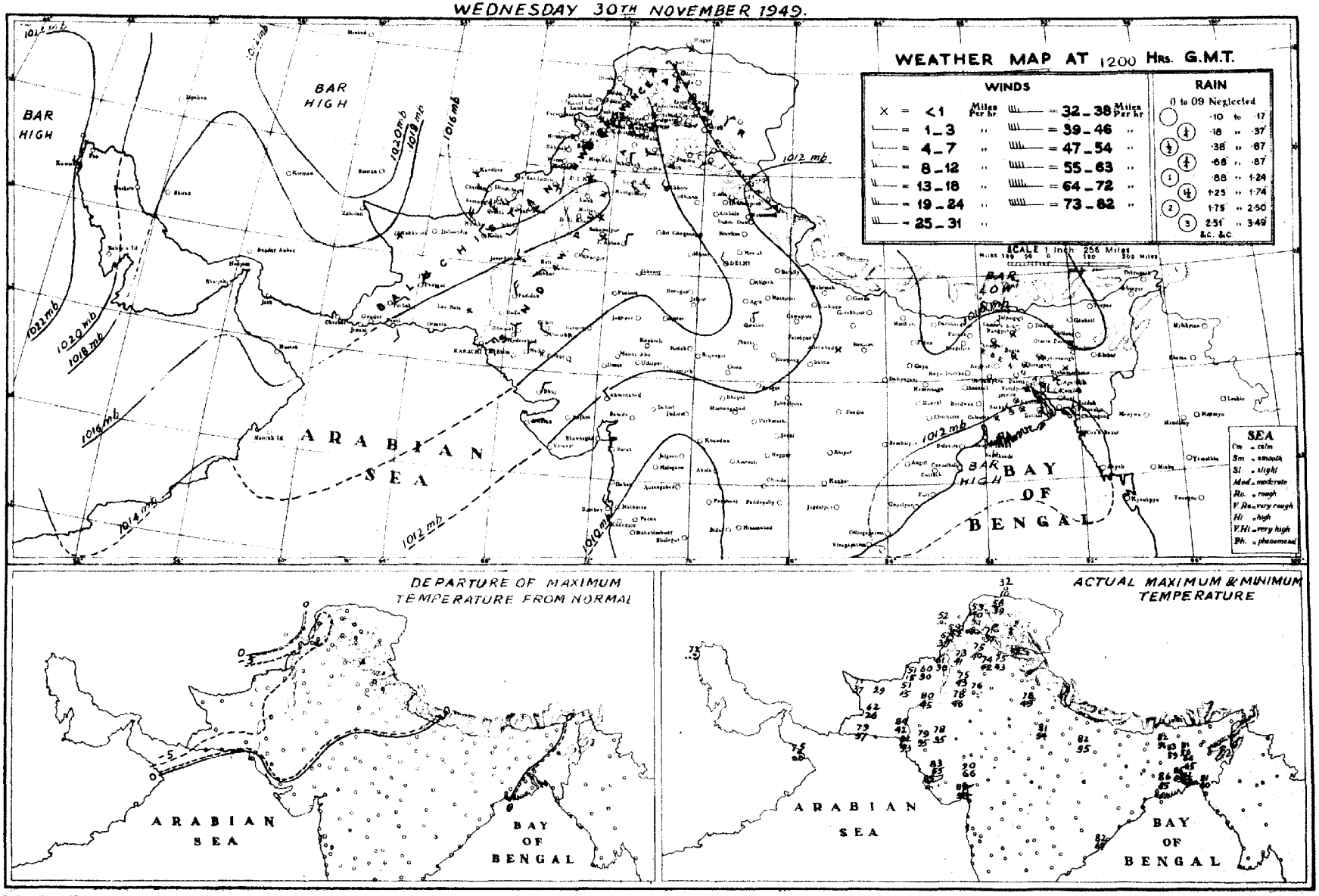
†† Rainfall for stations having no normals is not included.



* Data not available.

PAKISTAN DAILY WEATHER REPORT

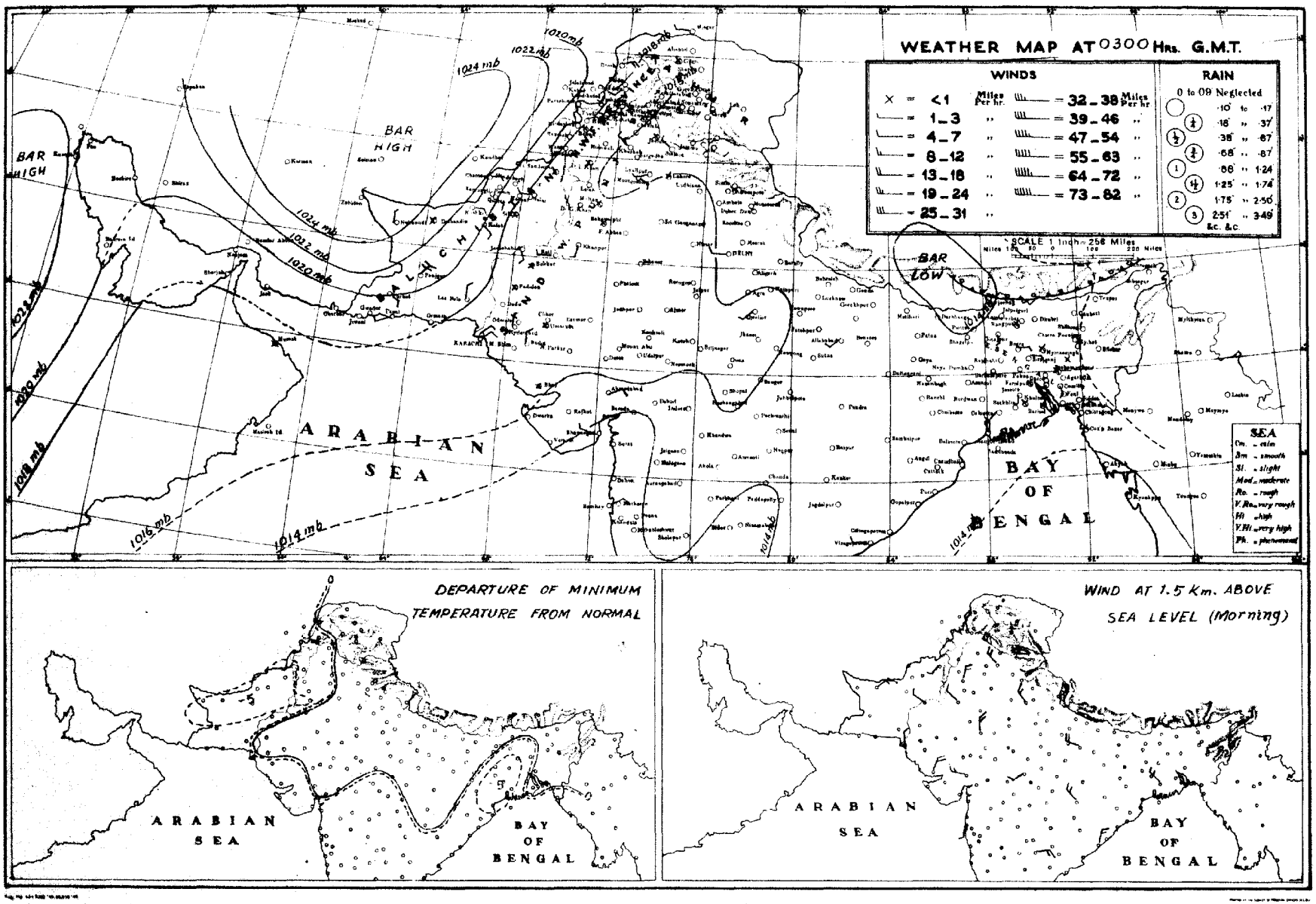
WEDNESDAY 30TH NOVEMBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

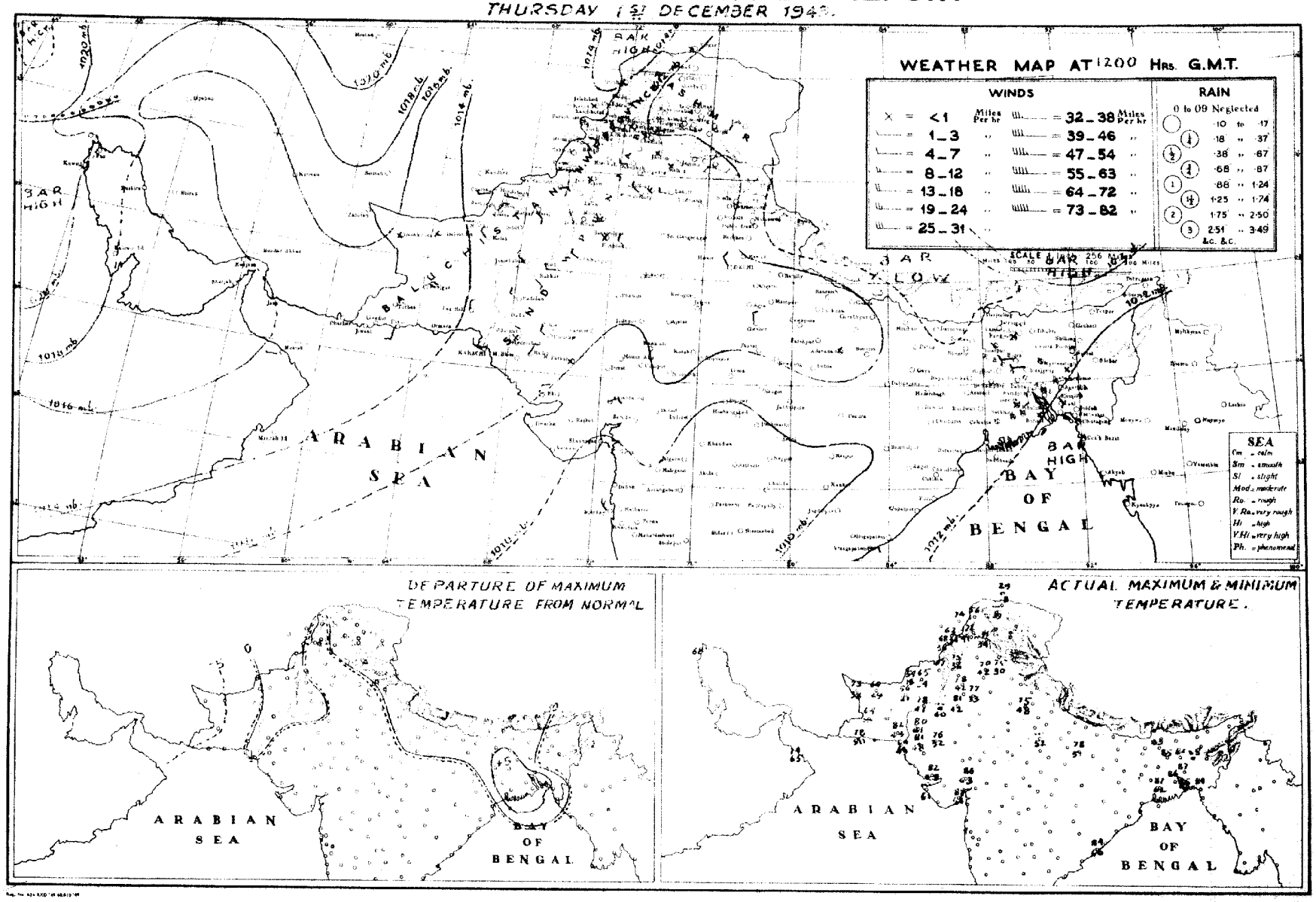
THURSDAY 1st DECEMBER 1949



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

PAKISTAN DAILY WEATHER REPORT

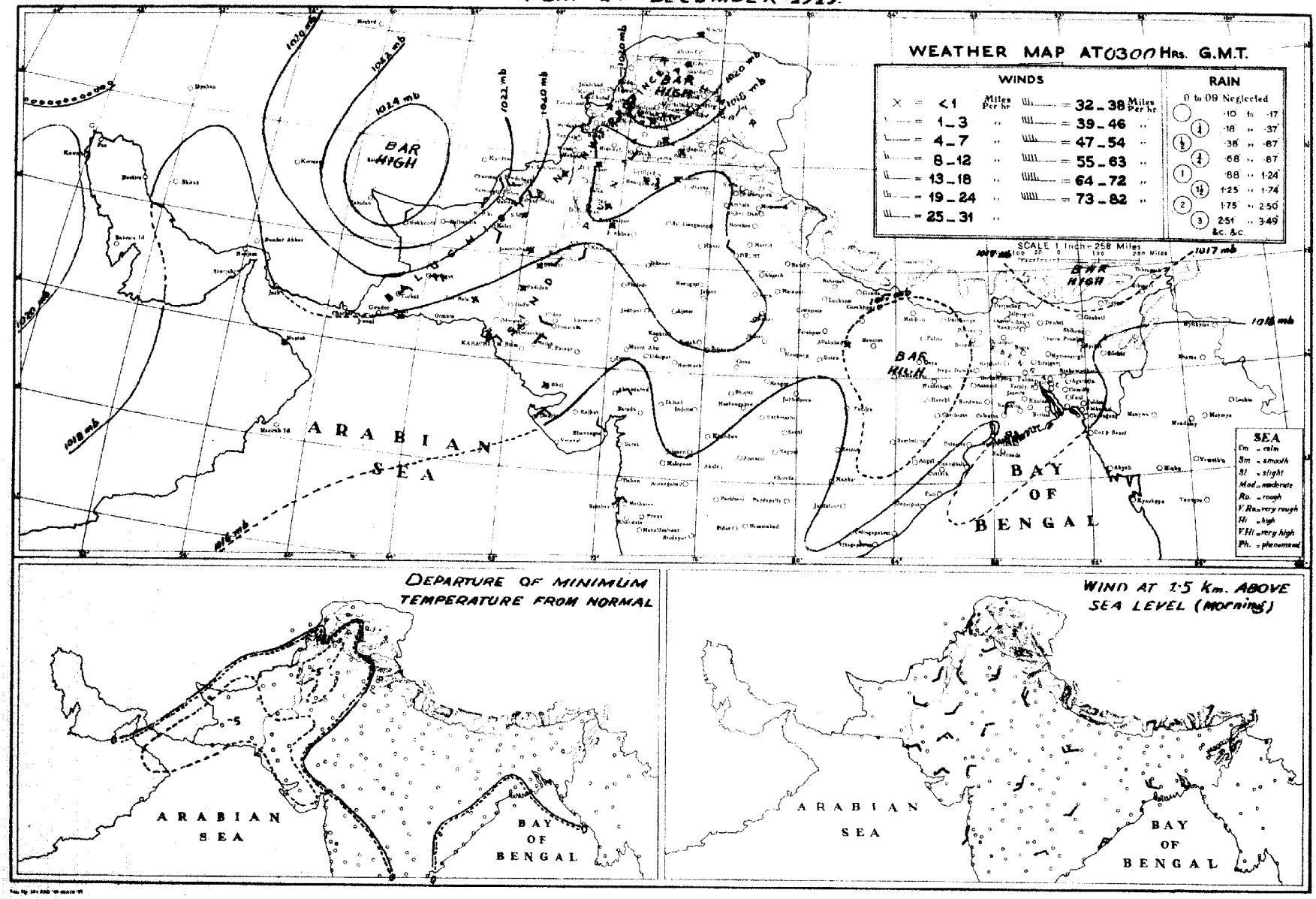
THURSDAY 1ST DECEMBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

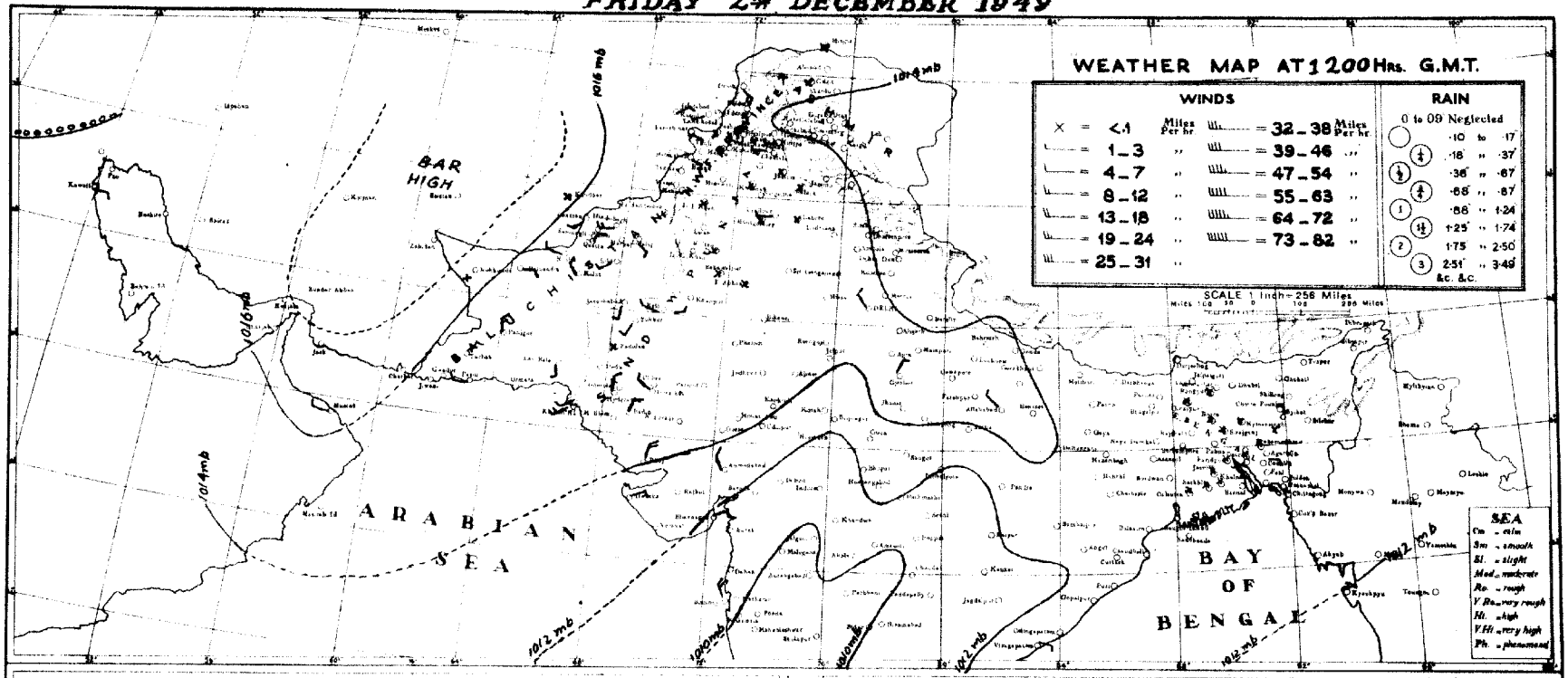
FRIDAY 2nd DECEMBER 1949.

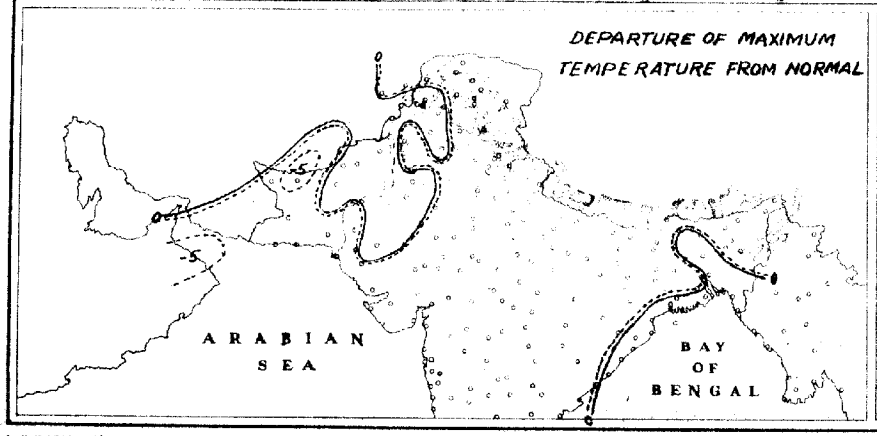


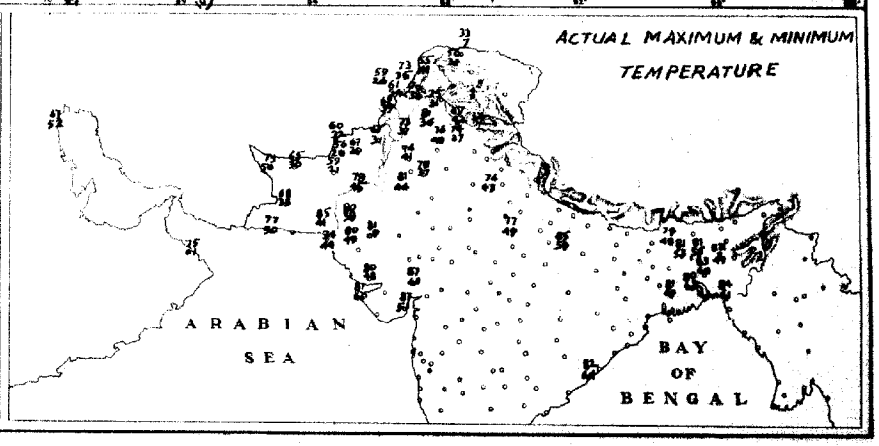
Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER REPORT

FRIDAY 24th DECEMBER 1949



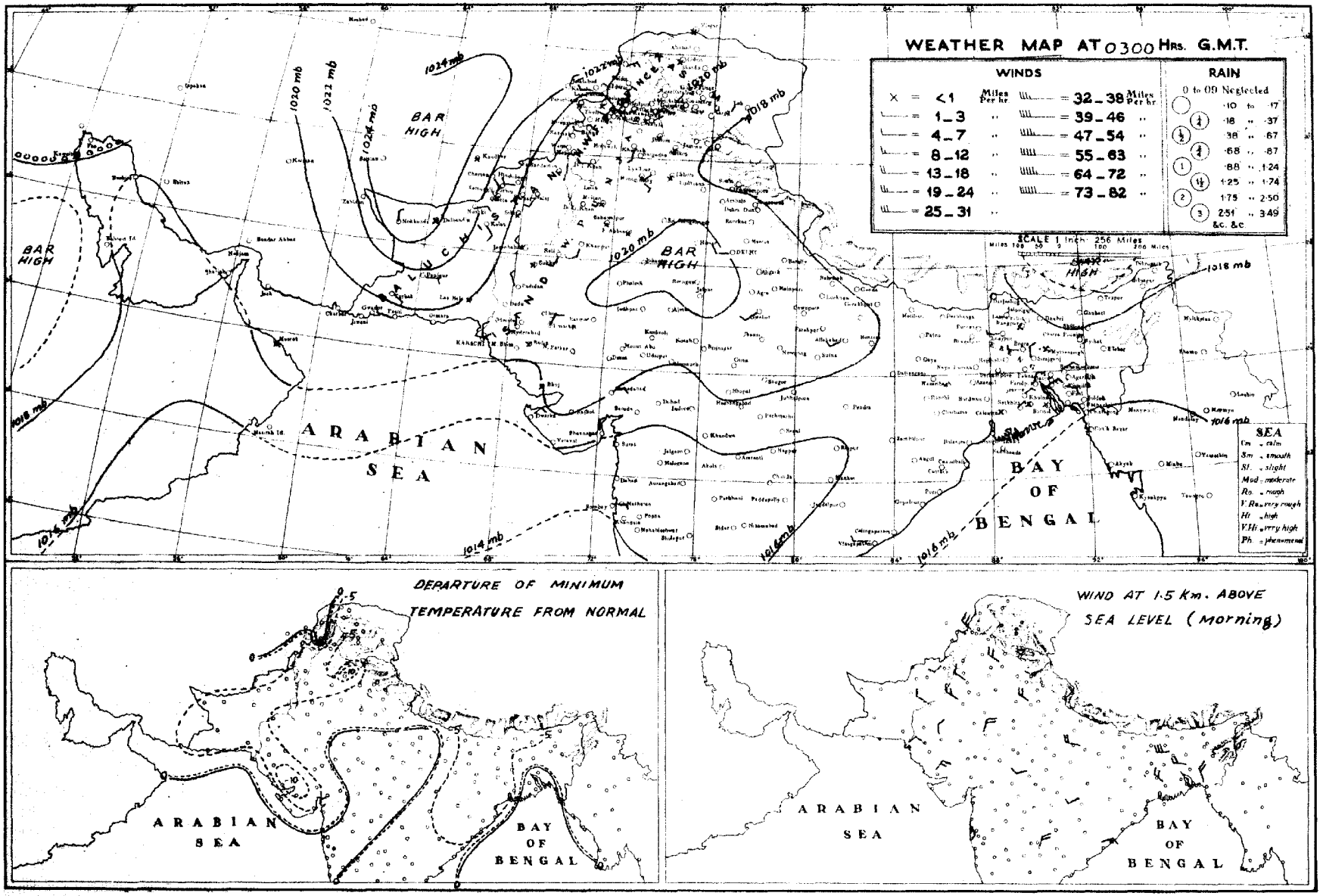




Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER REPORT

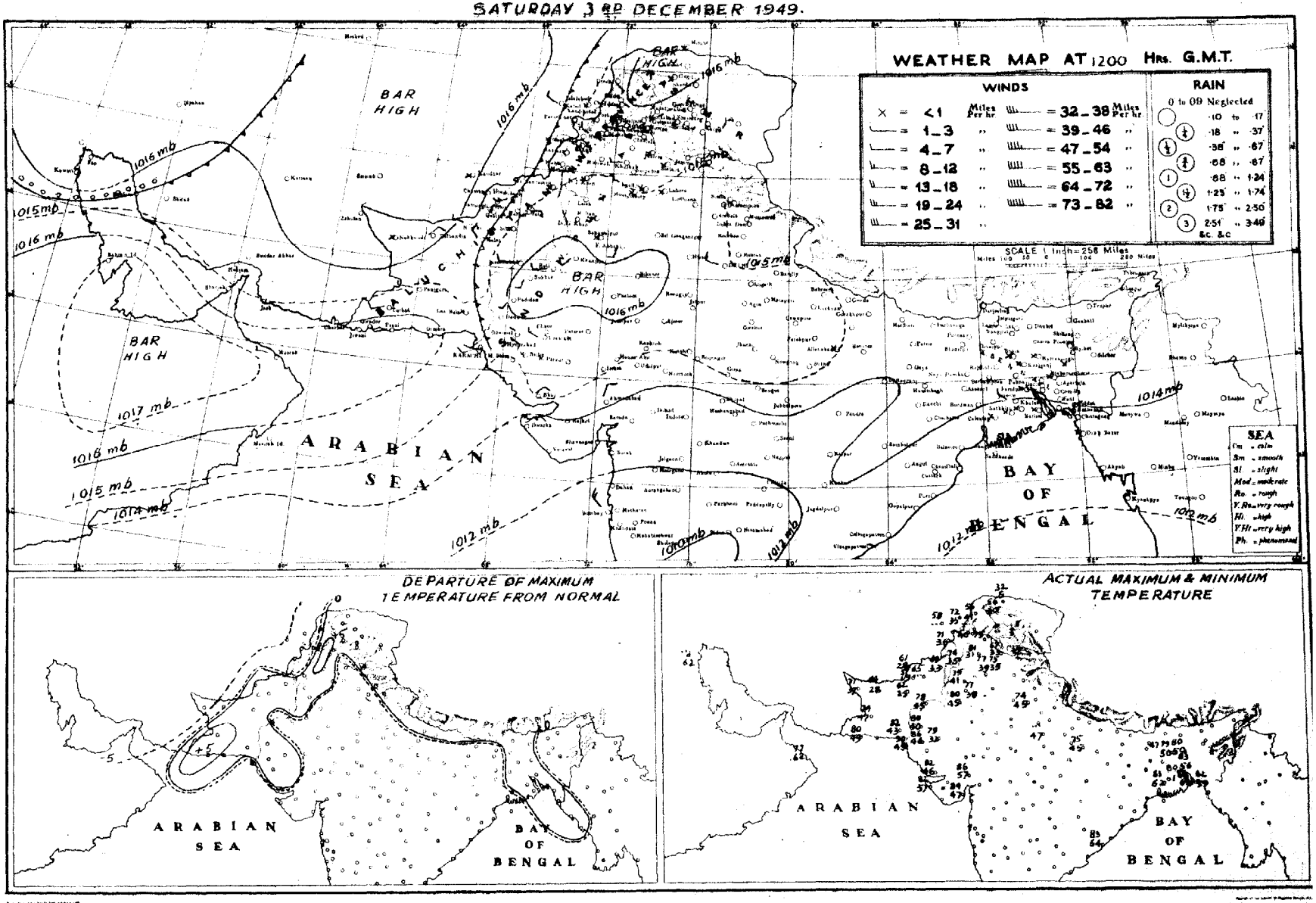
SATURDAY 3rd DECEMBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

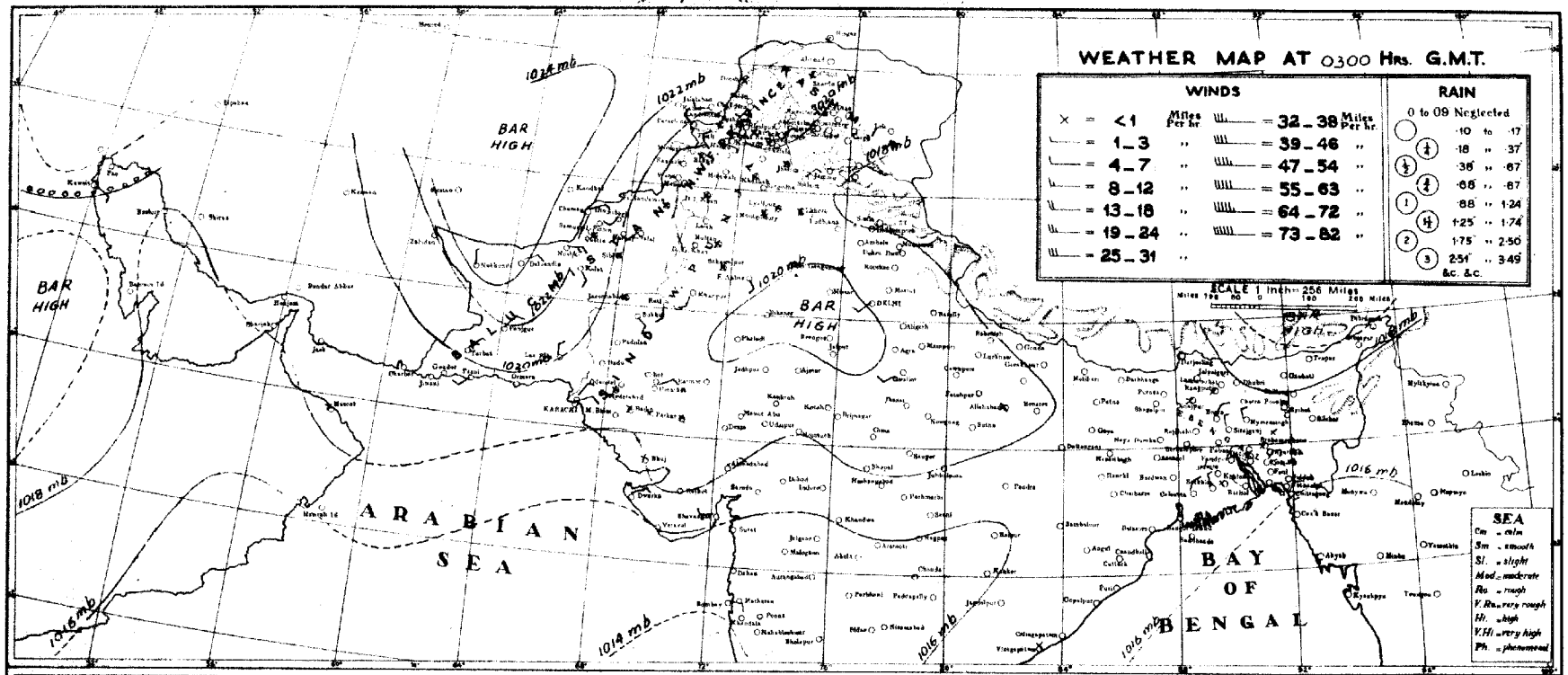
SATURDAY 3RD DECEMBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

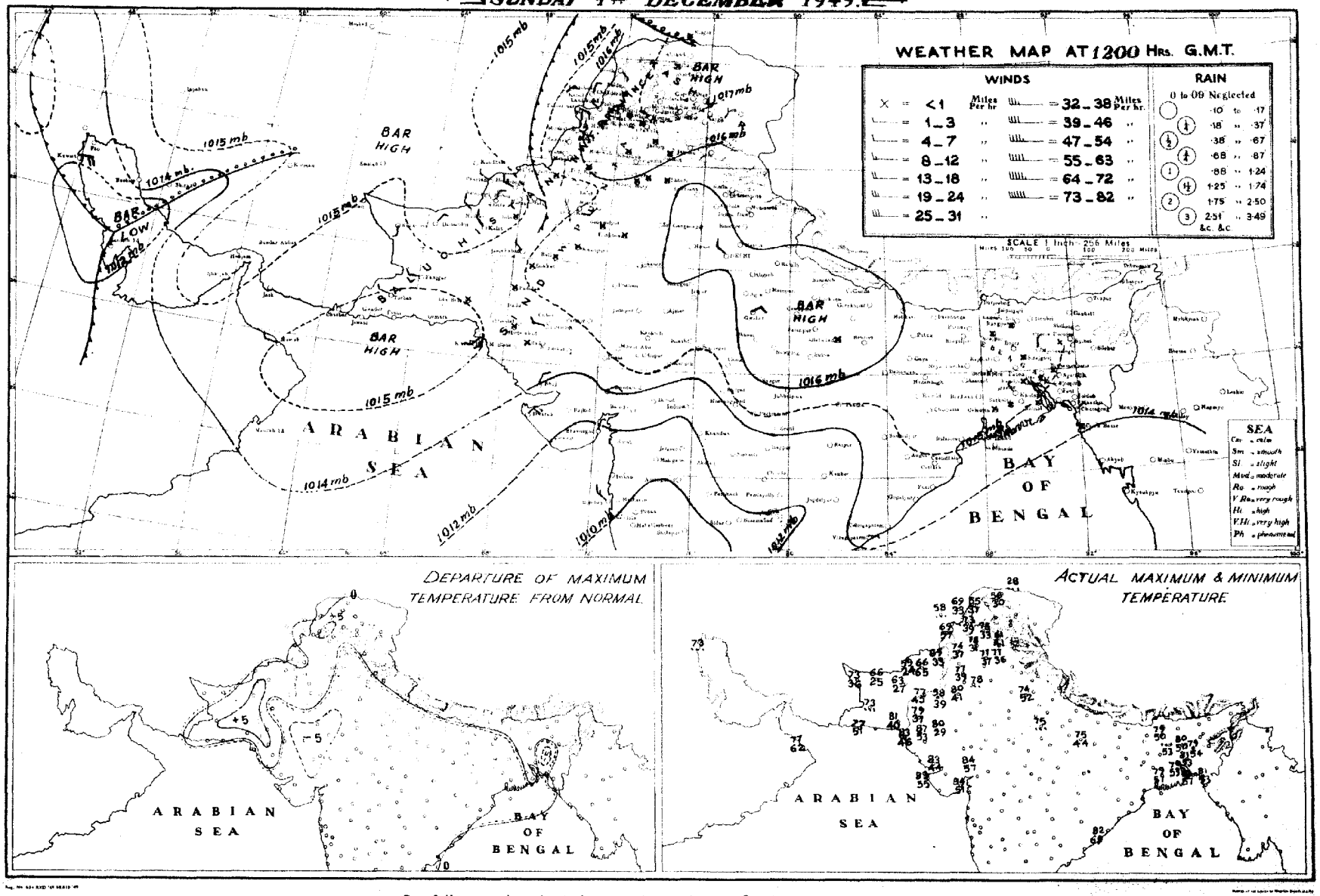
SUNDAY, 4TH DECEMBER 1949



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

PAKISTAN DAILY WEATHER REPORT

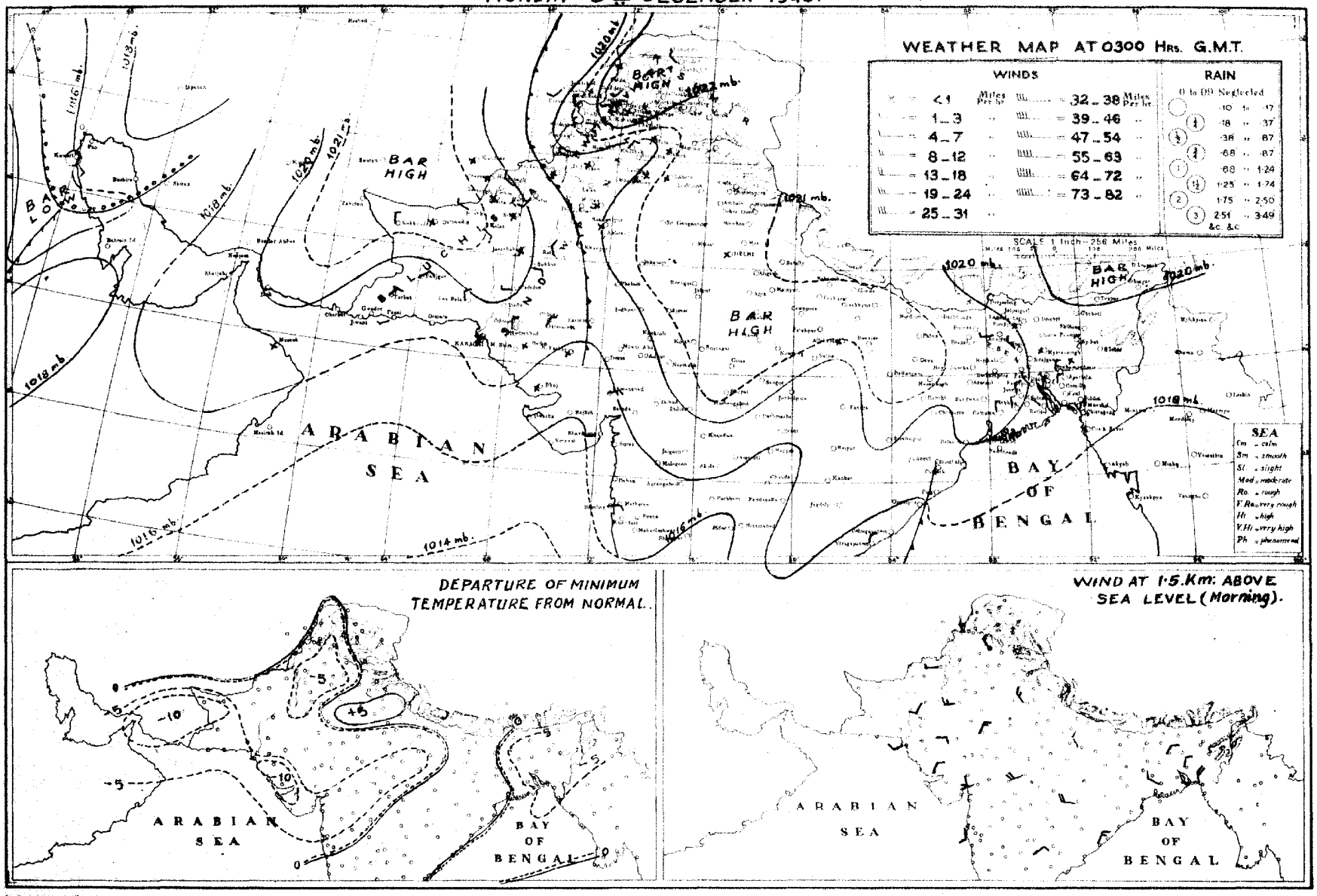
SUNDAY 4TH DECEMBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

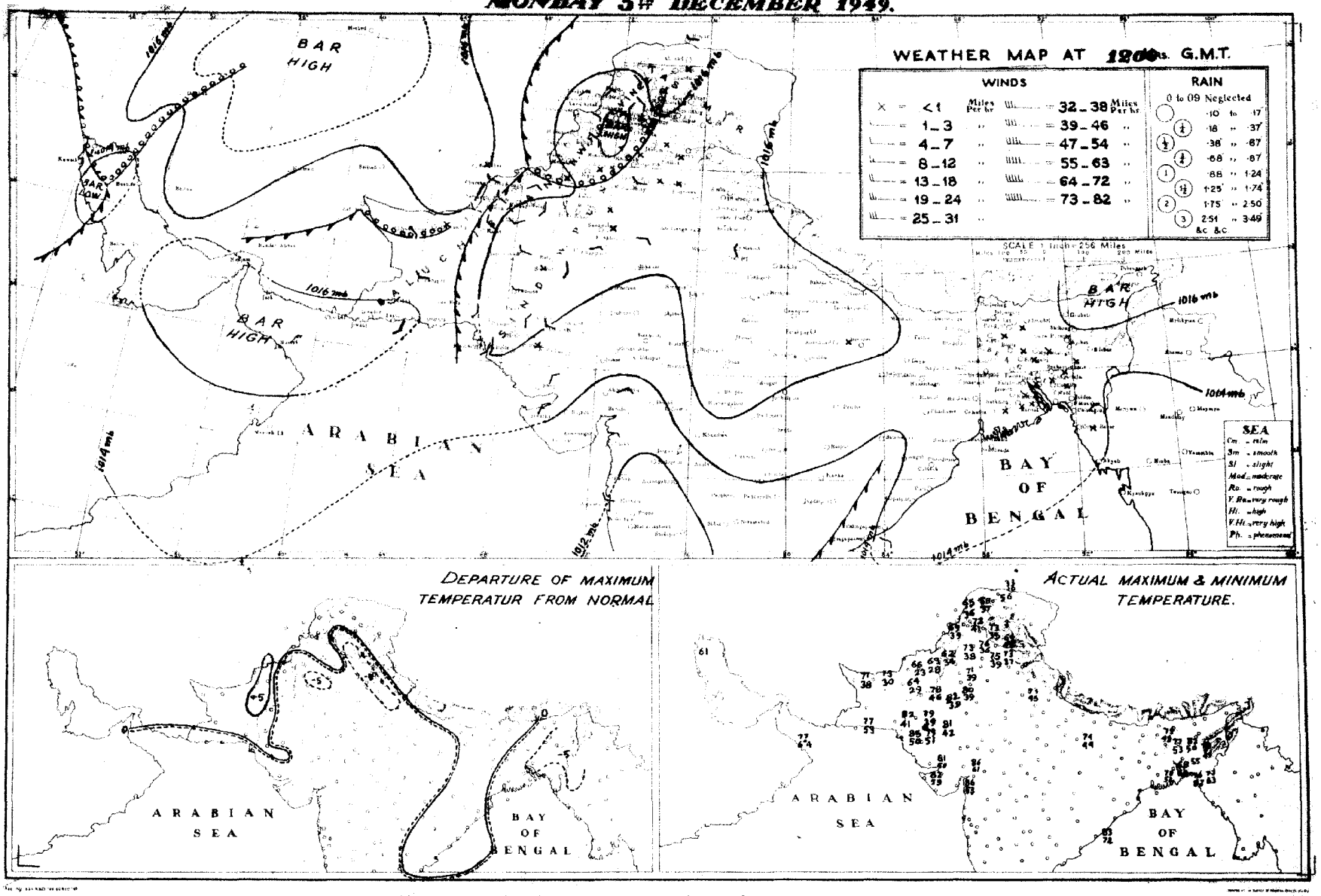
MONDAY 5TH DECEMBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

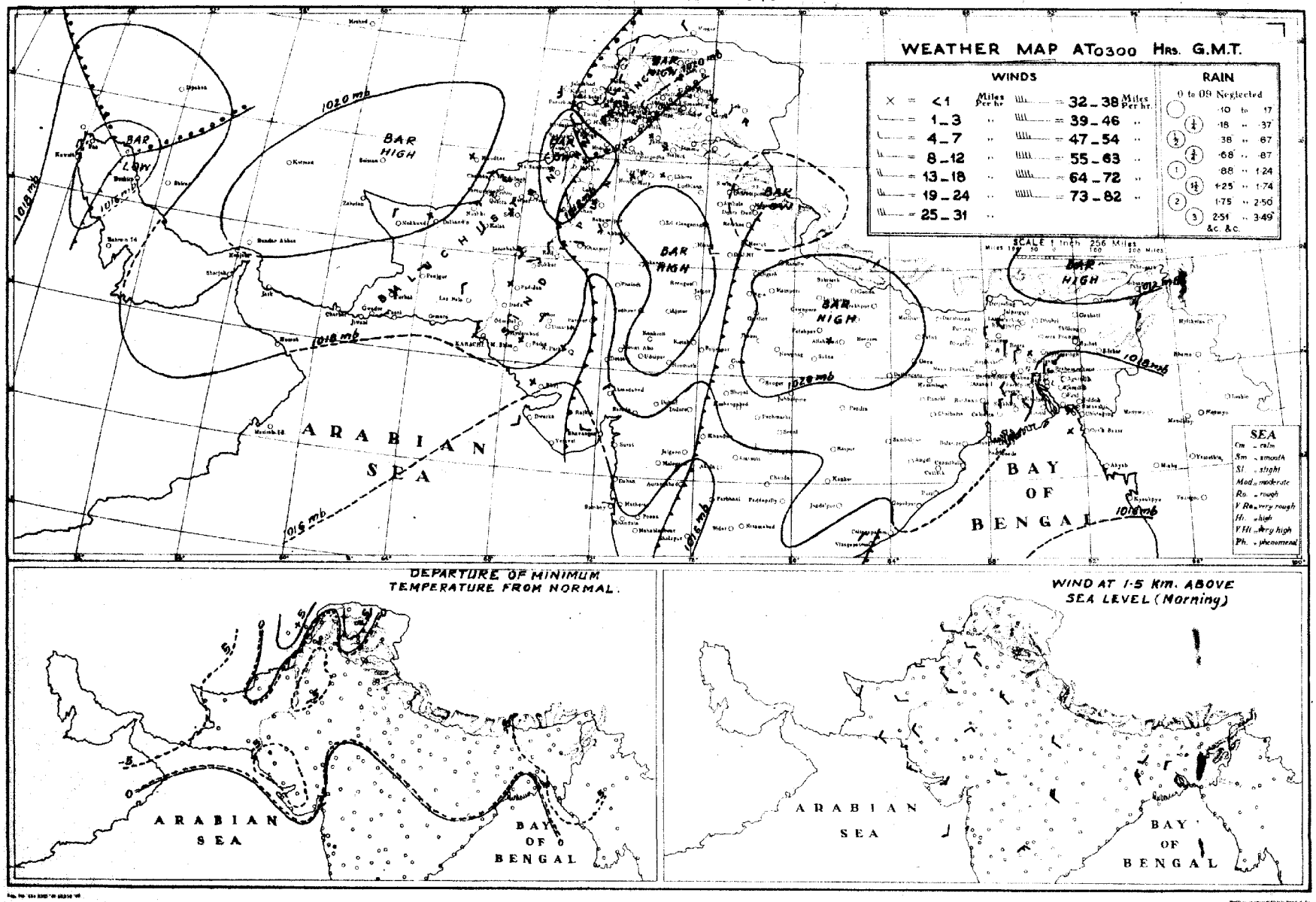
MONDAY 5th DECEMBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

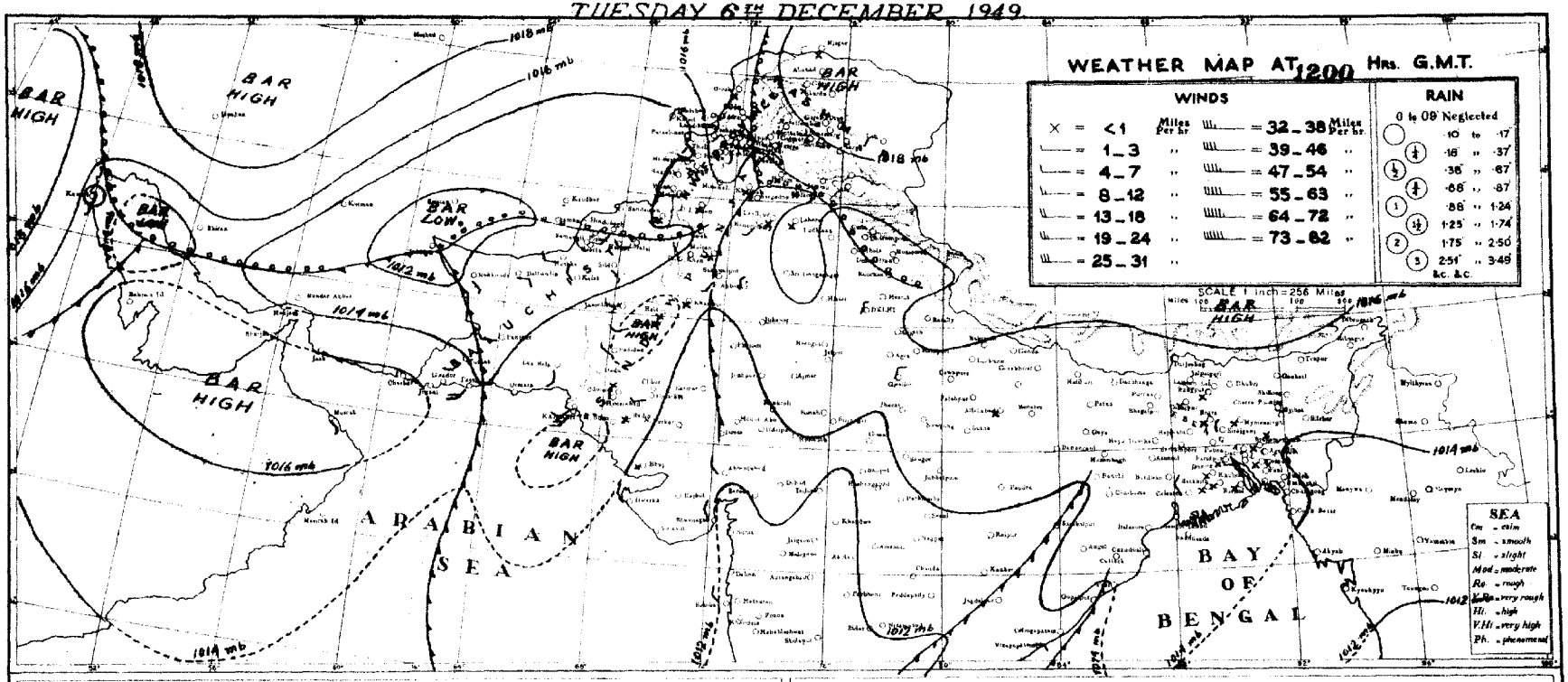
TUESEDAY 6TH DECEMBER 1949.

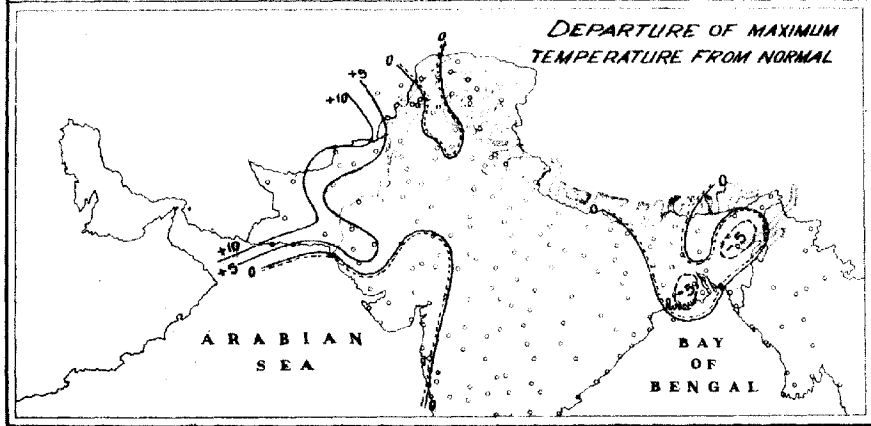


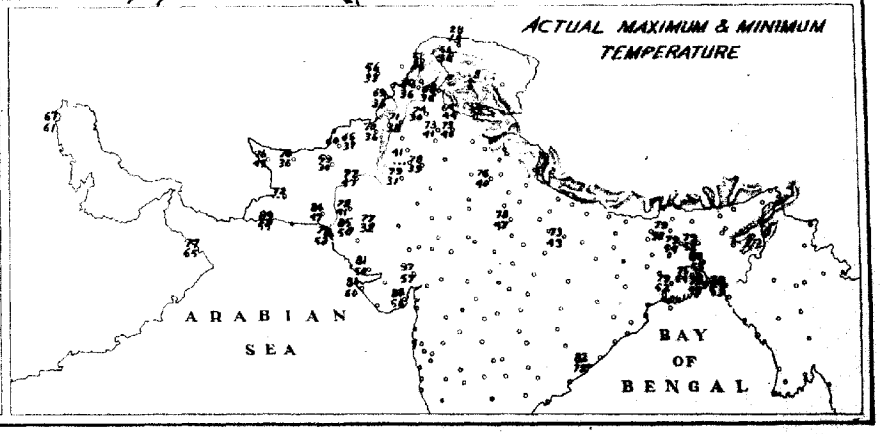
Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER REPORT

TUESDAY 6TH DECEMBER, 1949



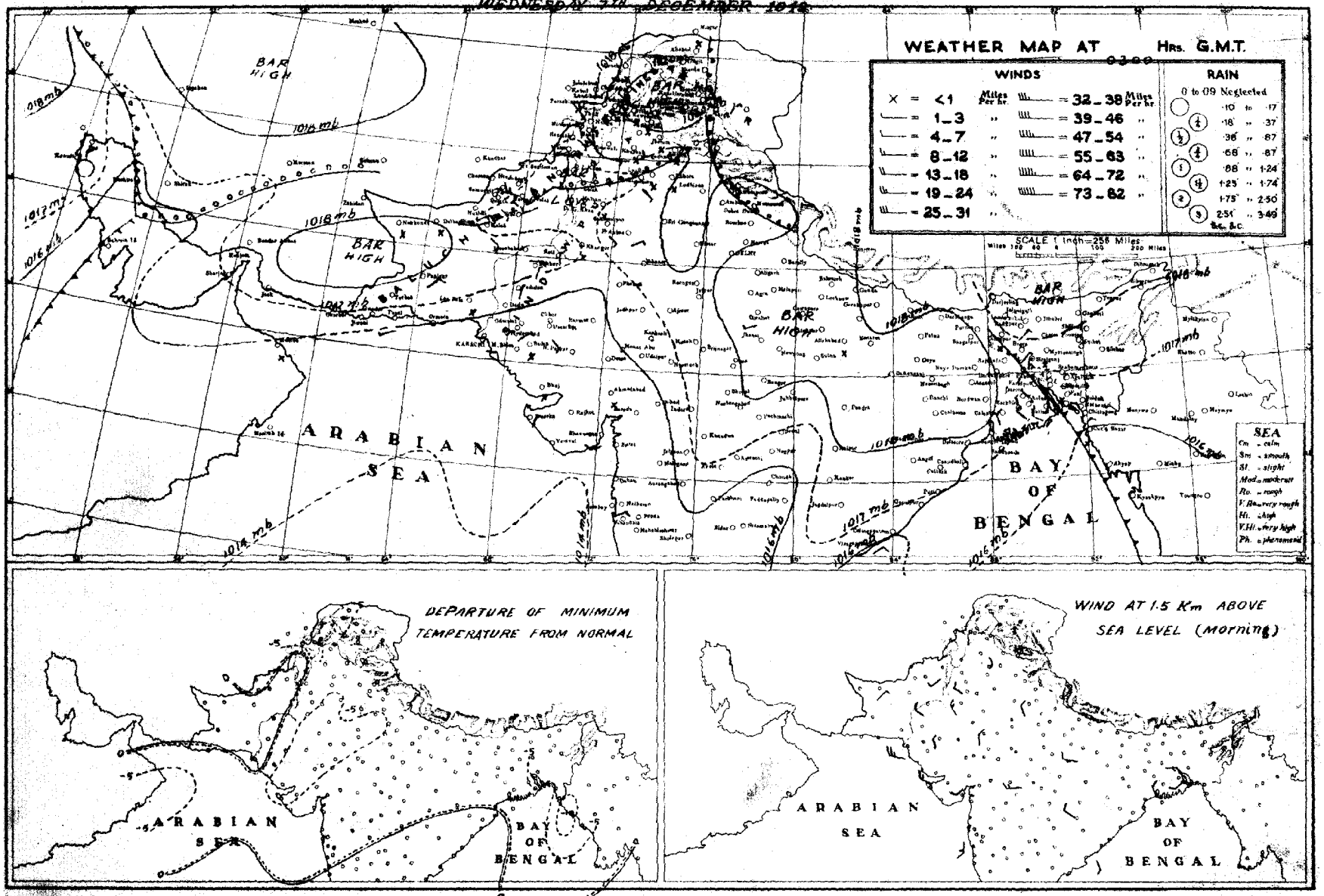




Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER REPORT

WEDNESDAY 7th DECEMBER 1016



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

Regd. No.....

WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G. M. T. on Wednesday, the 14th December, 1949.

—o:O:o—

SUMMARY OF WEATHER.

A western disturbance appeared over north Baluchistan on the 8th and moved into the north-west Punjab on the 9th. It finally moved away northeast-wards on the 10th. Its occluded front continued affecting the upper North-West Frontier Province and Kashmir from 8th to 10th and became unimportant on the 11th. Local rain/showers occurred in north Baluchistan, the lower North-West Frontier Province and plains of the West Punjab and scattered showers in the northwest Punjab hills

On the 11th a secondary low appeared over the Gulf of Oman. On the 12th the secondary along with its primary low appeared as complex system over upper Sind and northeast Baluchistan. The complex system moved away rapidly on the 13th, causing local rain in north Baluchistan, scattered rain/snowfall in the lower North-West Frontier Province and isolated thunderstorms in the southwest Punjab.

Weather remained dry over East Pakistan throughout the week.

Night temparatures were appreciably below normal in East Pakistan the North-West Frontier Province and the northwest Punjab practically throughout the week. They were appreciably above normal in Sind, Baluchistan and the southwest Punjab during the week.

Chief amounts of rainfall during the week were :— Khanpur ½"; Murree, Parachinar, Hindubagh and Jacobabad ¼" each on the 9th; Murree ¼" on the 10th.

2. EAST PAKISTAN : Whether continued to be dry over the region.

KASHMIR : Data not available.

WEST PUNJAB : Local rain/showers occurred in the southwest Punjab on the 9th and the northwest Punjab on the 10th. A few showers were also recorded in the northwest Punjab on the 9th and in the southwest Punjab on the 13th.

NORTH-WEST FRONTIER PROVINCE : Rain/snowfall was nearly general over the hills on the 9th A few showers were recorded on the 10th.

BALUCHISTAN : Local rain/showers fell in north Baluchistan on the 9th and a few showers on the 12th and 13th.

SIND : Scattered showers fell on the 9th.

JUNAGADH : Data not available.

3. The week's rainfall was in large excess in the southwest Punjab and in Sind. It was deficient in the North-West Frontier Province and north Baluchistan and scanty in the northwest Punjab, Elsewhere there was no rainfall.

Rainfall for the period from 1st November, 1949 to date was normal in the southwest Punjab and scanty elsewhere except in the Northern sub-division of the East Pakistan and the south Baluchistan where no rainfell.

4. The table overleaf summarises the rainfall statistics for the 11 sub-divisions of Pakistan both for the week and for the period from 1st November, 1949 to date.

KARACHI-11.

The 14th December, 1949.

MOHAMMAD SHABBAR,
for Director, Meteorological Services.

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METEOROLOGICAL BUREAU

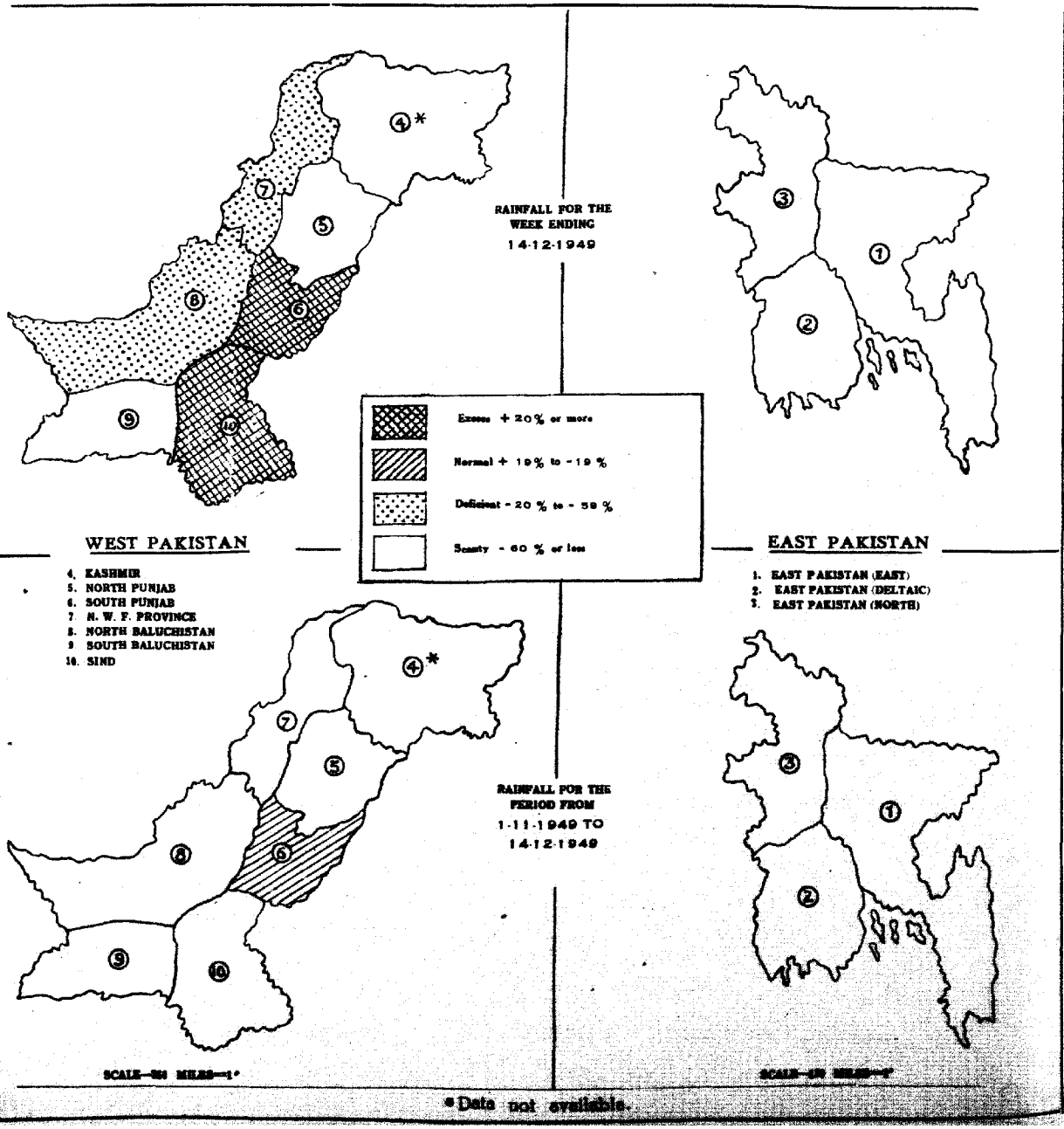
WEEKLY WEATHER REPORT

Division	Rainfall for week ending on 14th December 1949.			Rainfall for period from 1-11-49 to 14th December 1949.			
	Actual ††	Normal	Excess or defect	Actual ††	Normal	* Excess or defect	
						Inches	Per cent
1	2	3	4	5	6	7	8
1. East	0	0.2	− 0.2	0.3	1.9	− 1.6	− 87
2. Deltaic	0	0.1	− 0.1	0.3	1.4	− 1.1	− 77
3 North	0	0	0	0	0.6	− 0.6	−100
4. Kashmir †	....	....	....	....	....	....	...
5. North Punjab	0	0.1	− 0.1	0	0.3	− 0.3	− 94
6. South Punjab	0.1	0.1	+ 0.1	0.1	0.1	0	+ 15
7. N W. F P.	0.1	0.1	0	0.1	0.4	− 0.3	− 74
8. North Baluchistan	0.1	0.2	− 0.1	0.1	0.6	− 0 4	− 79
9. South Baluchistan	0	0.2	− 0.2	0	0.5	− 0 5	−100
10. Sind	0.1	0	+ 0.1	0.1	0.1	− 0.1	− 62
11. Junagadh †	...	....	....	...	....		...

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

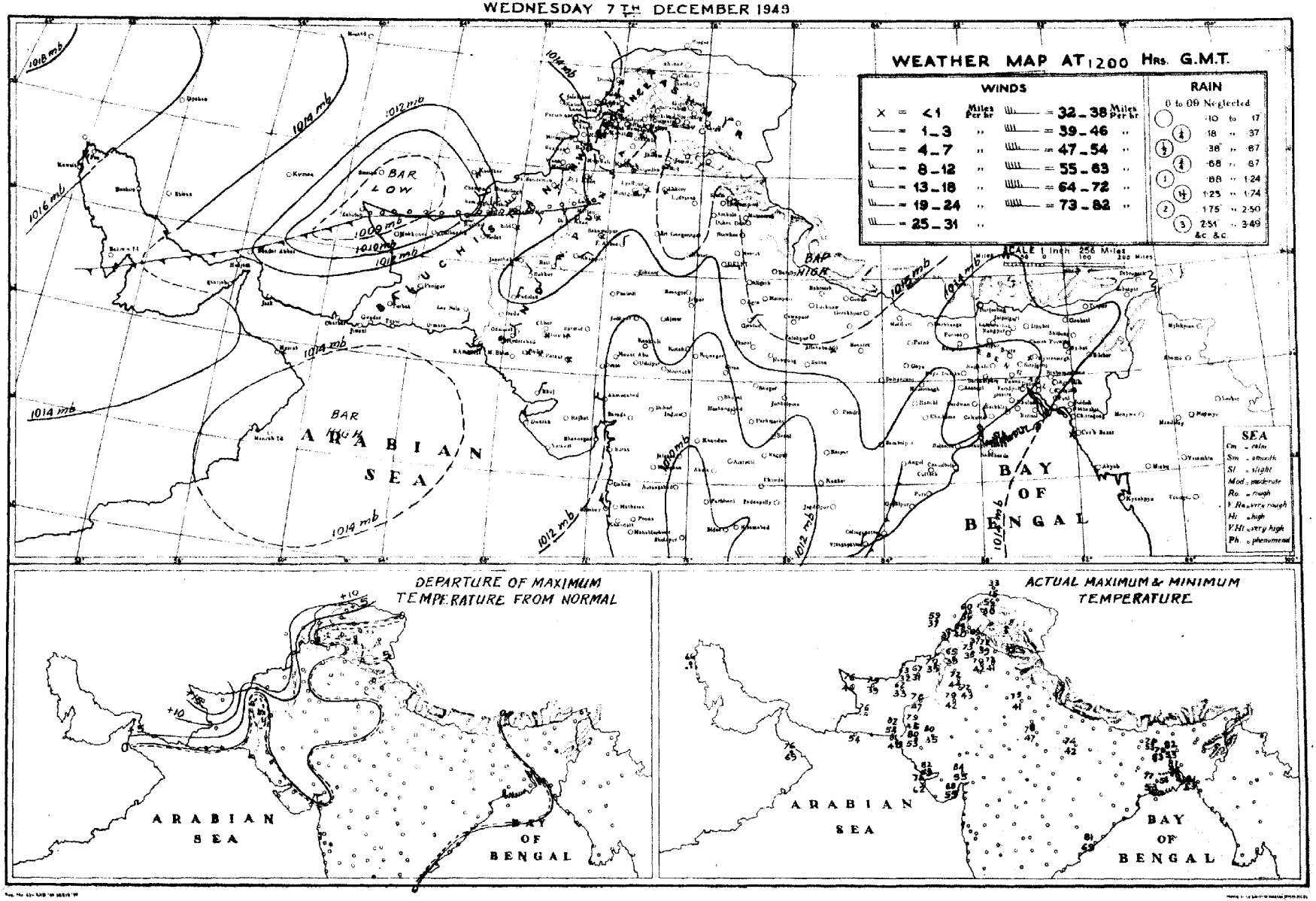
† Data not available

†† Rainfall of stations having no normals is not included.



PAKISTAN DAILY WEATHER REPORT

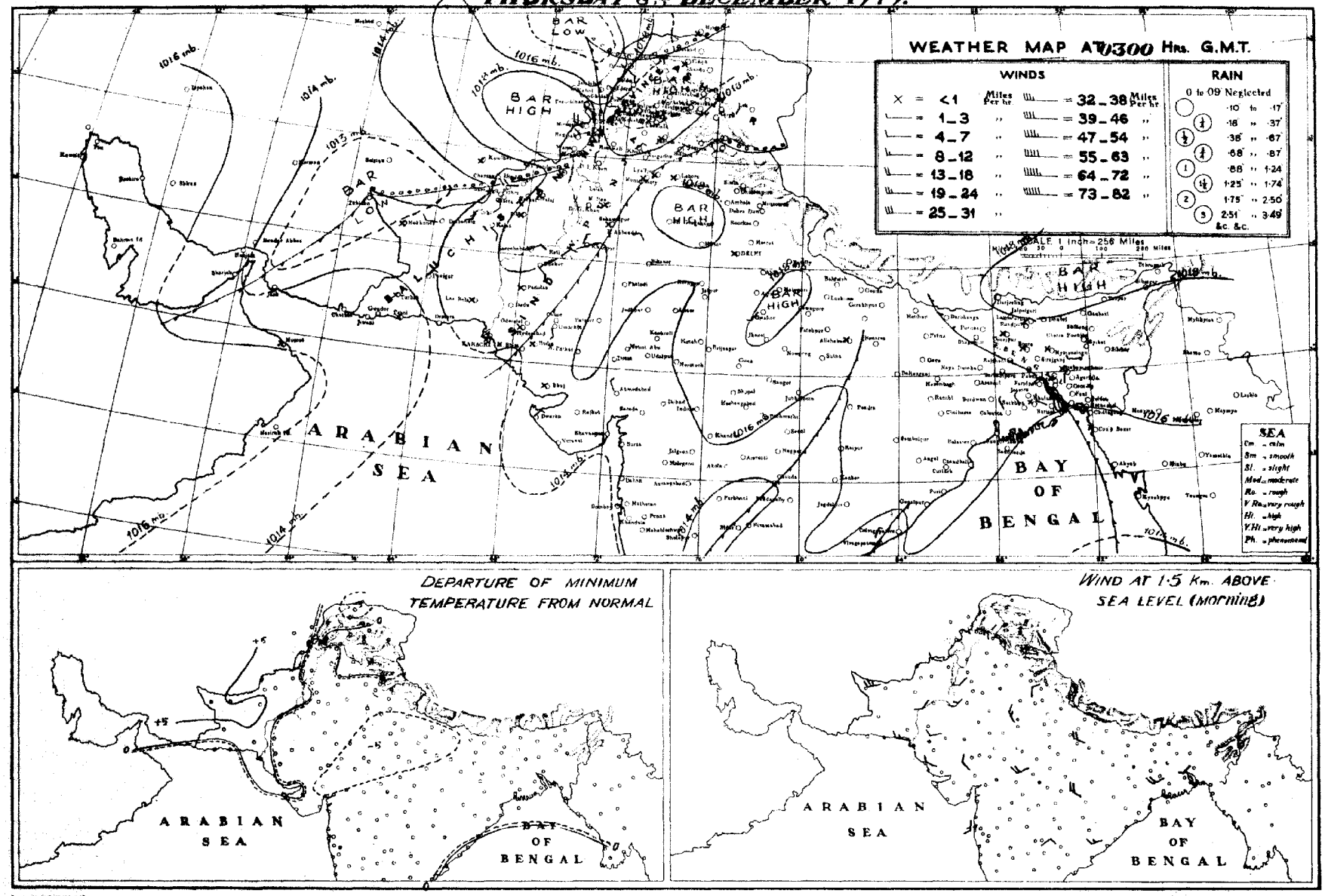
WEDNESDAY 7TH DECEMBER 1949



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

PAKISTAN DAILY WEATHER REPORT

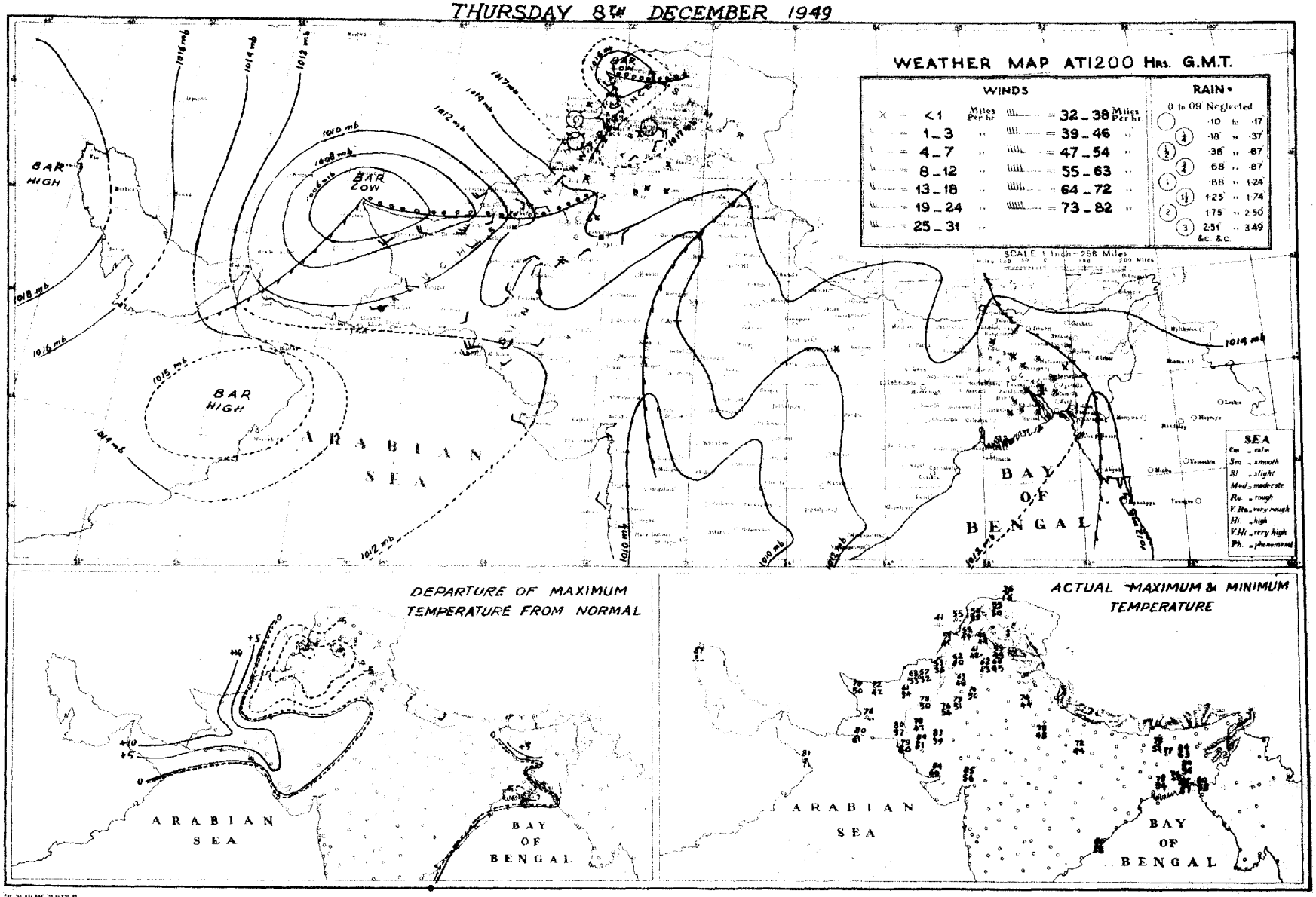
THURSDAY 8TH DECEMBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

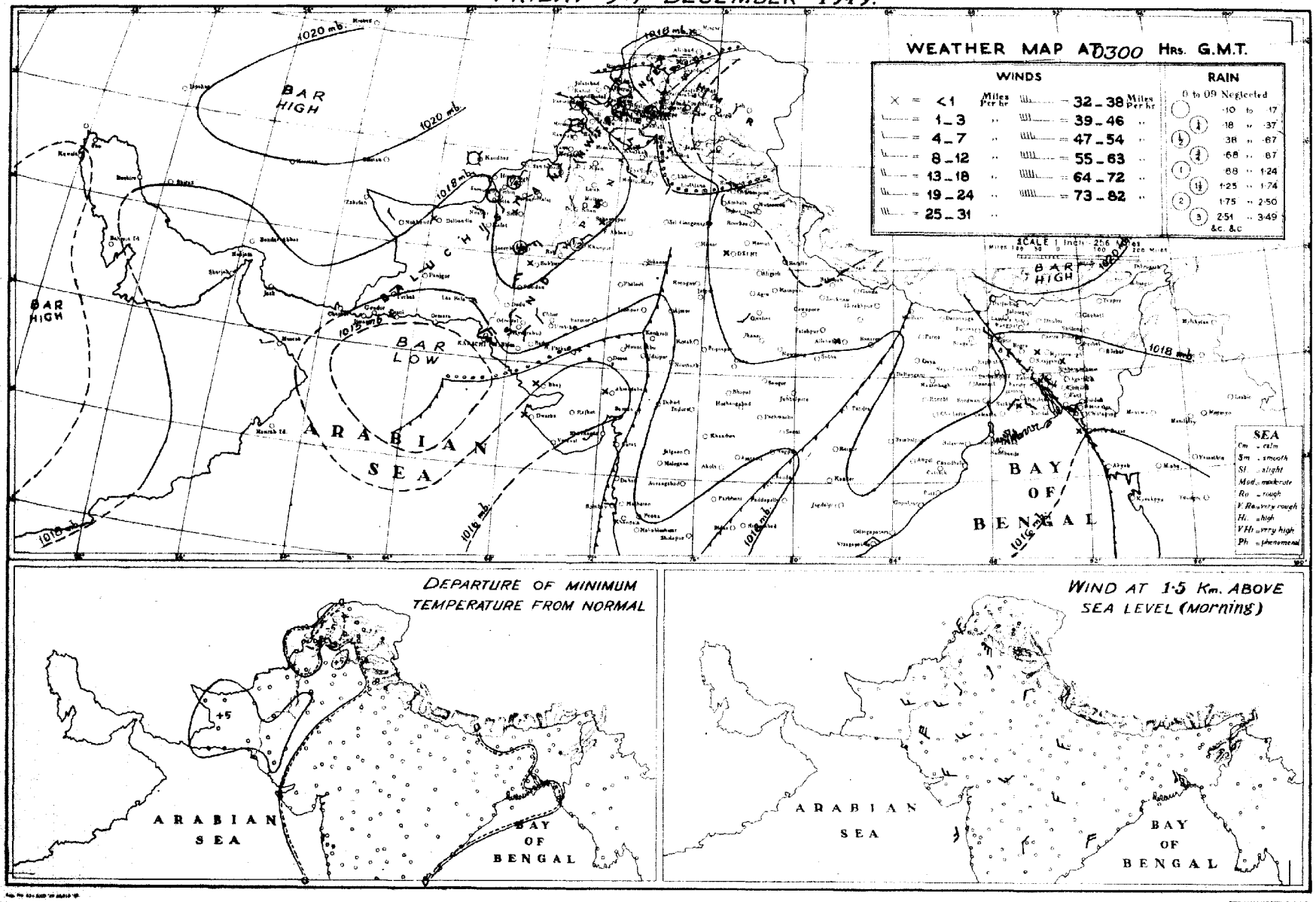
THURSDAY 8TH DECEMBER 1949



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

PAKISTAN DAILY WEATHER REPORT

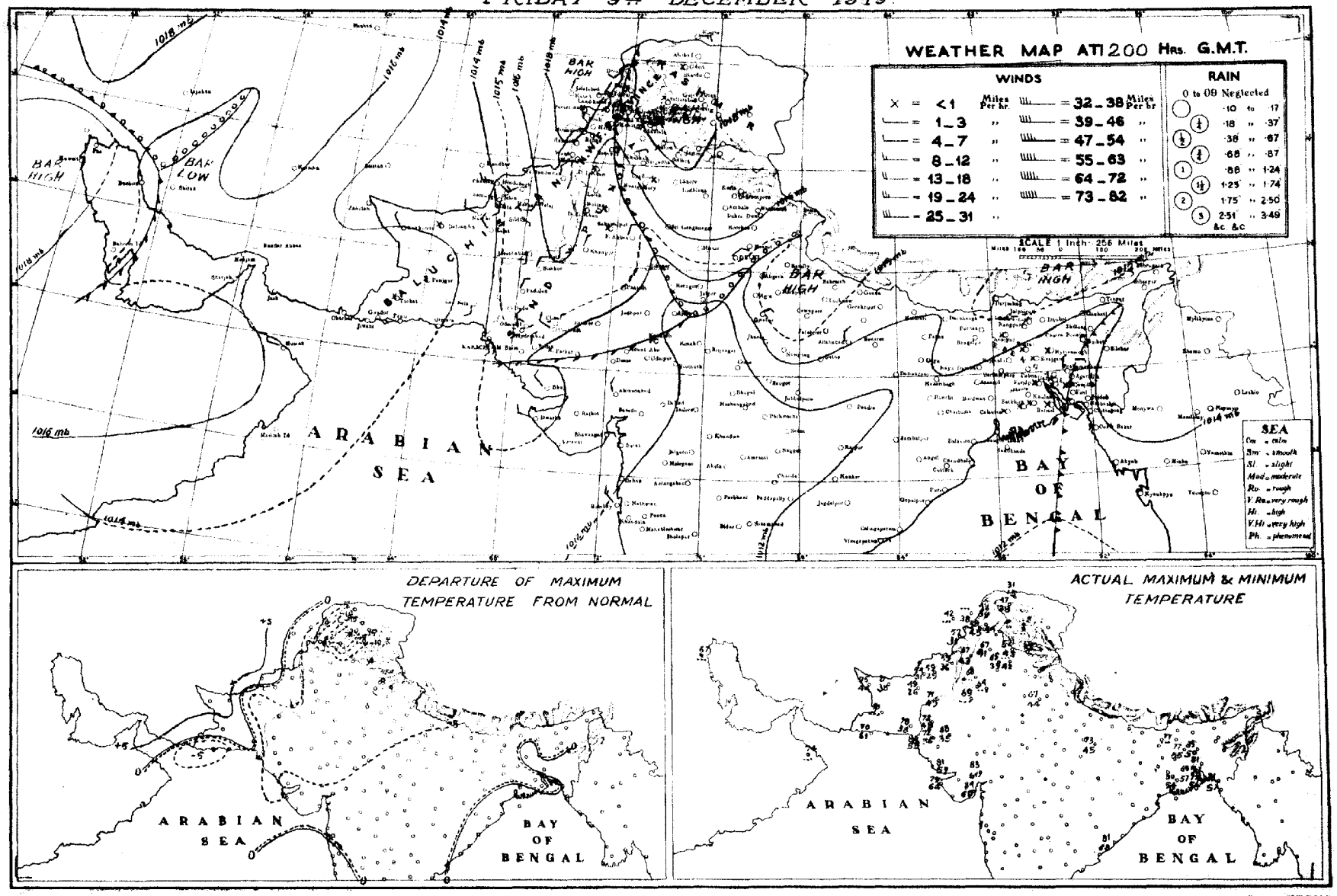
FRIDAY 9TH DECEMBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

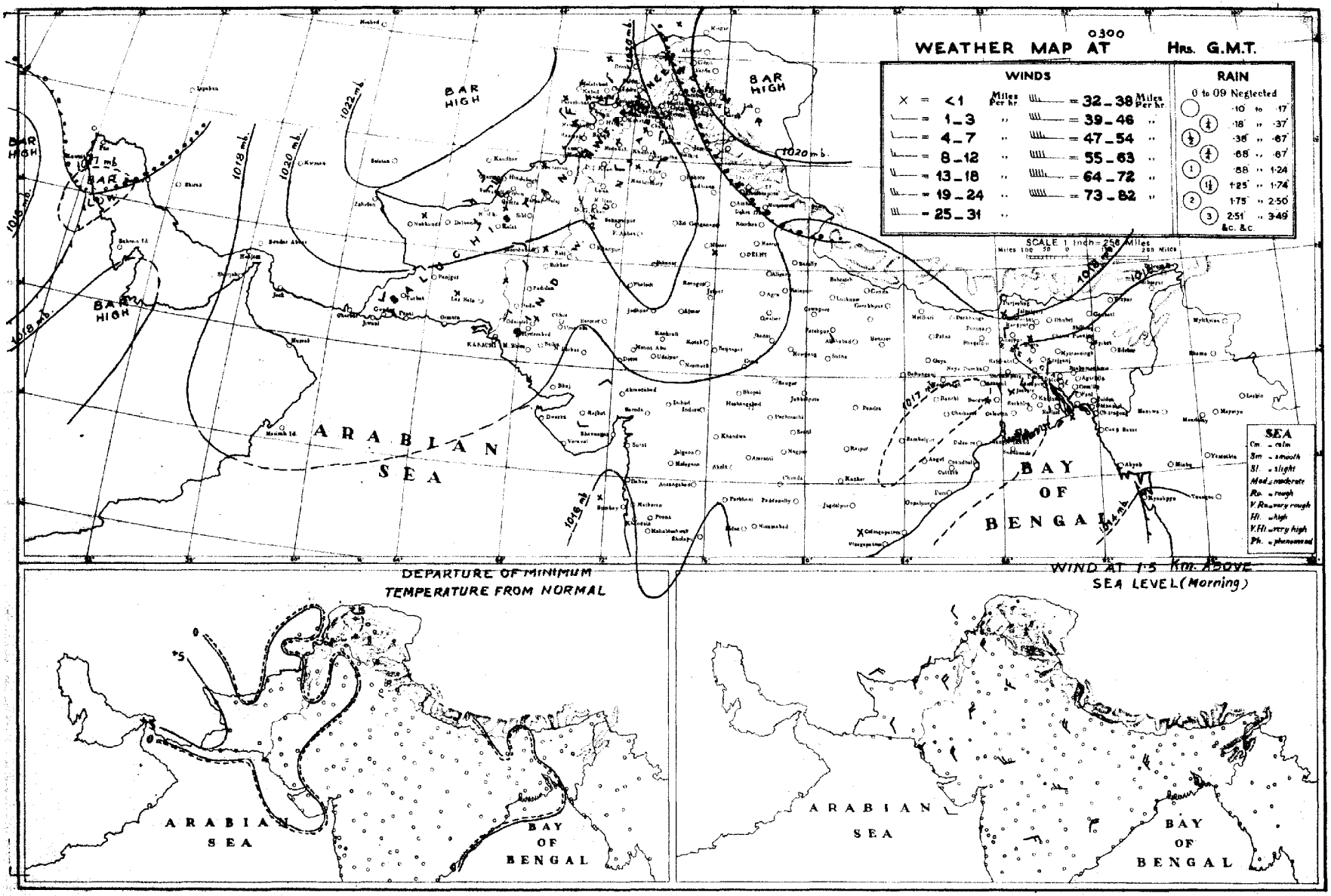
FRIDAY 9TH DECEMBER 1949



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

PAKISTAN DAILY WEATHER REPORT

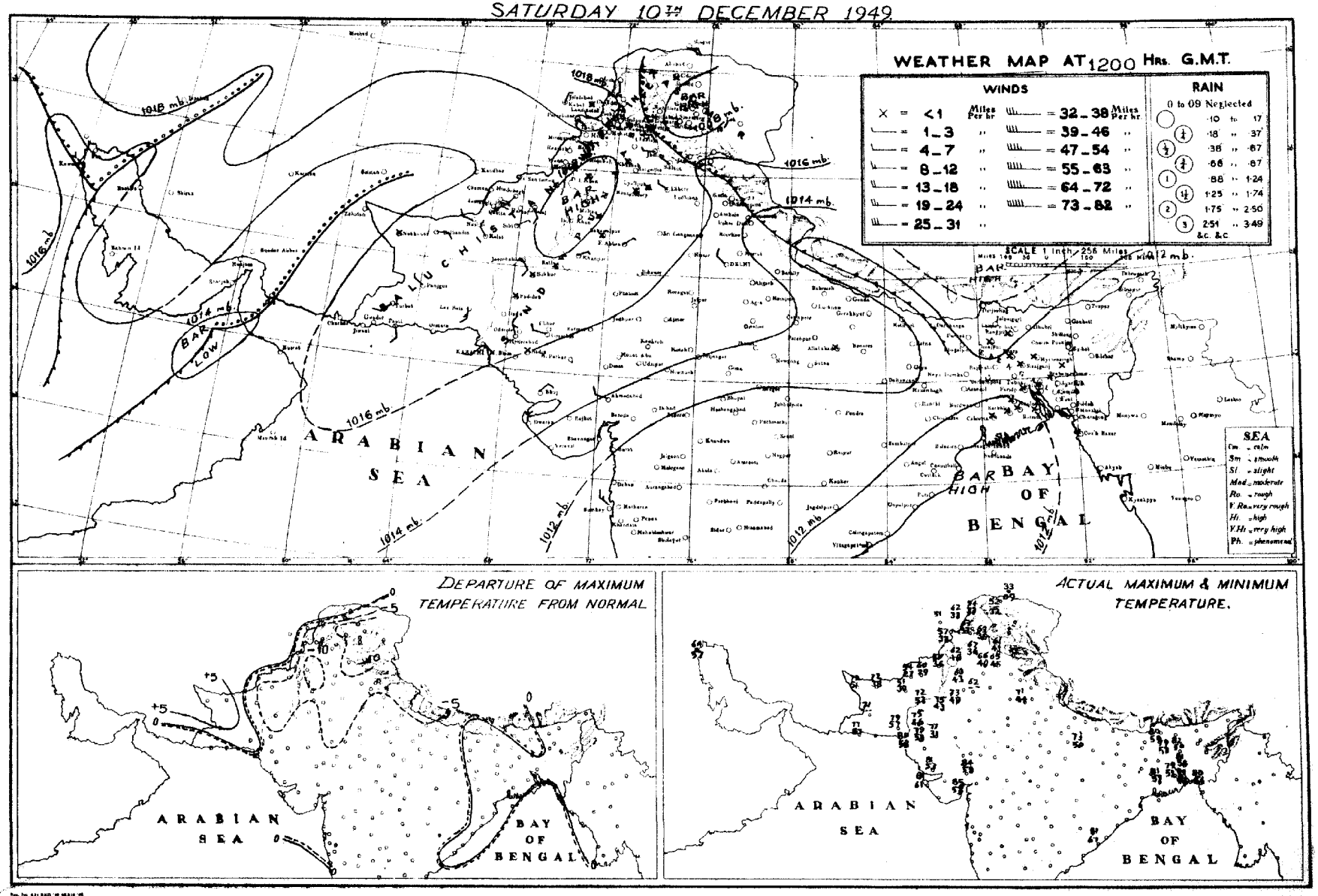
SATURDAY 10TH DECEMBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

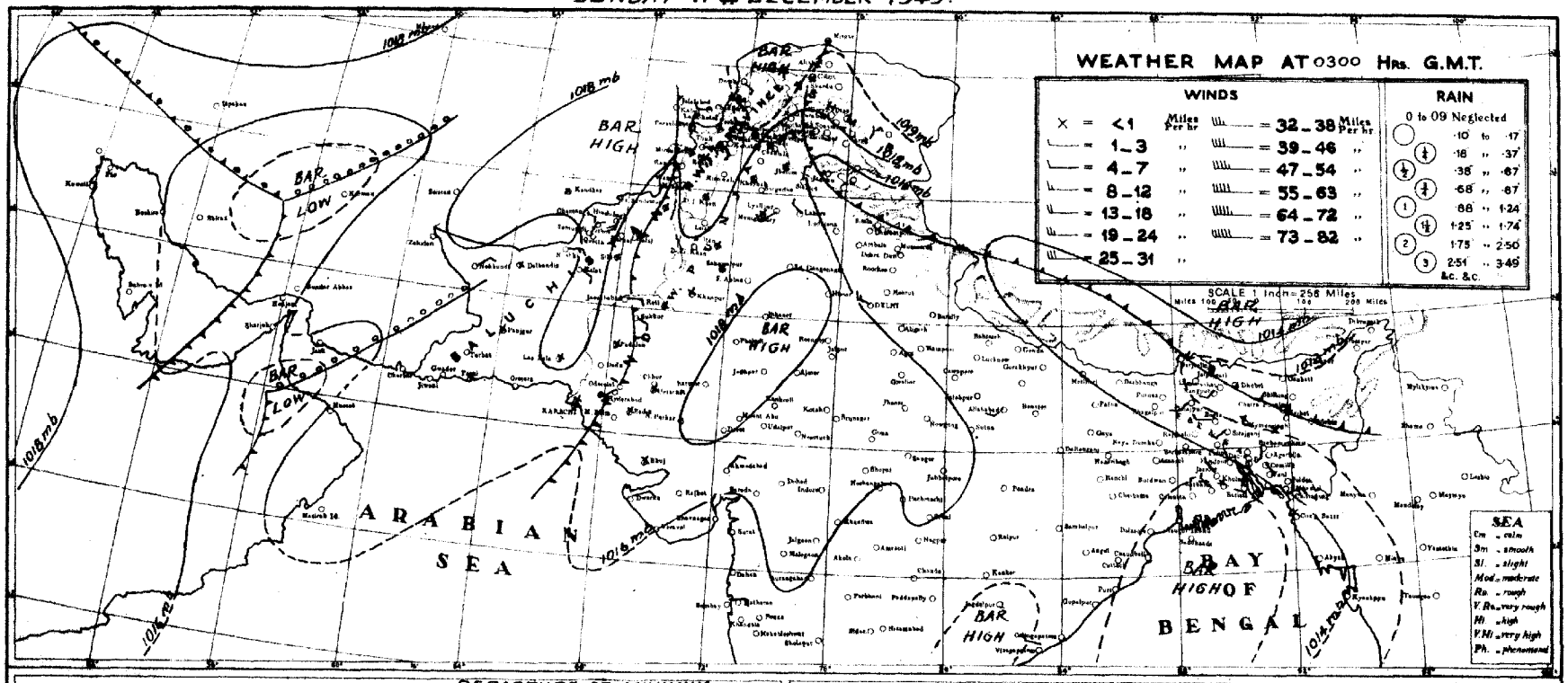
SATURDAY 10TH DECEMBER 1949

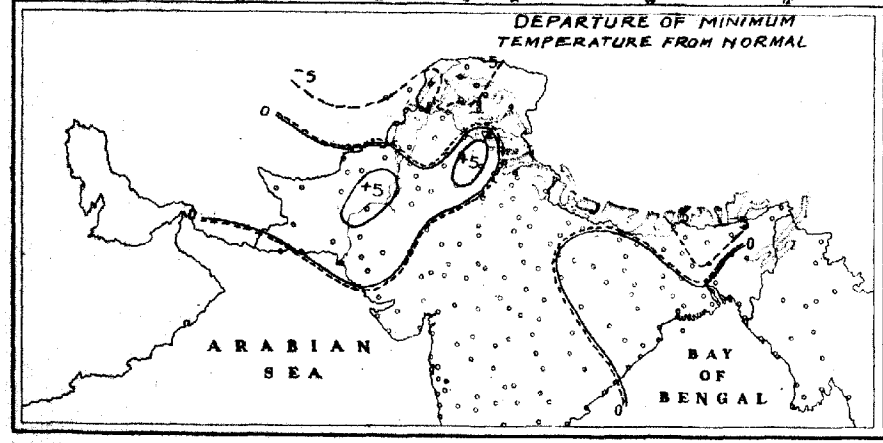


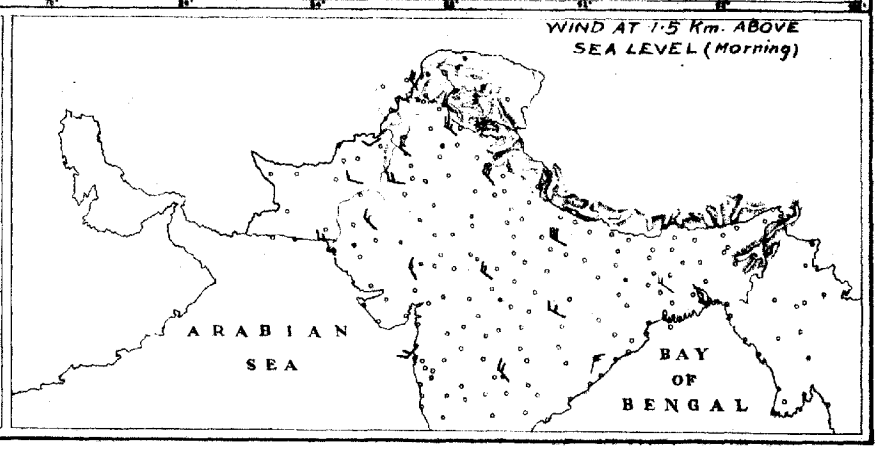
Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER REPORT

SUNDAY 11TH DECEMBER 1949.



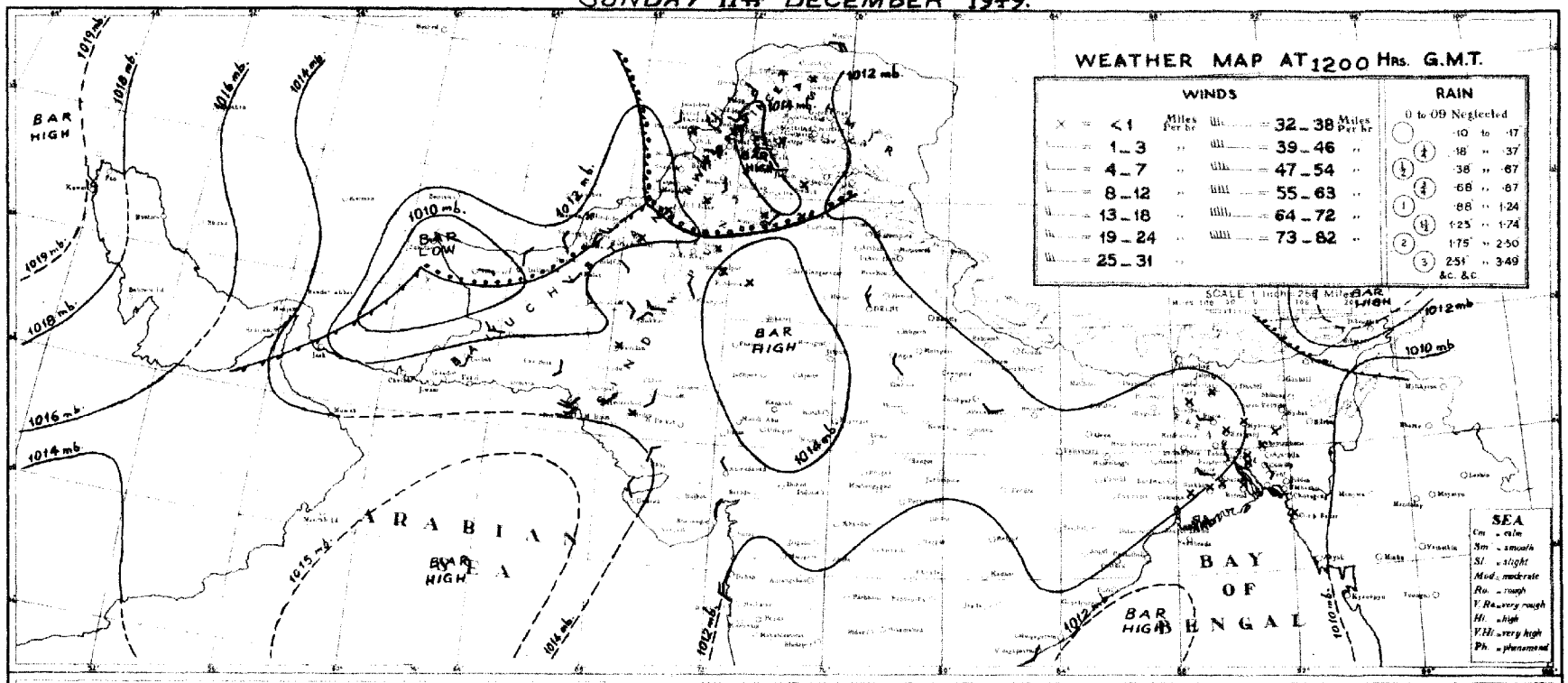




Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER REPORT

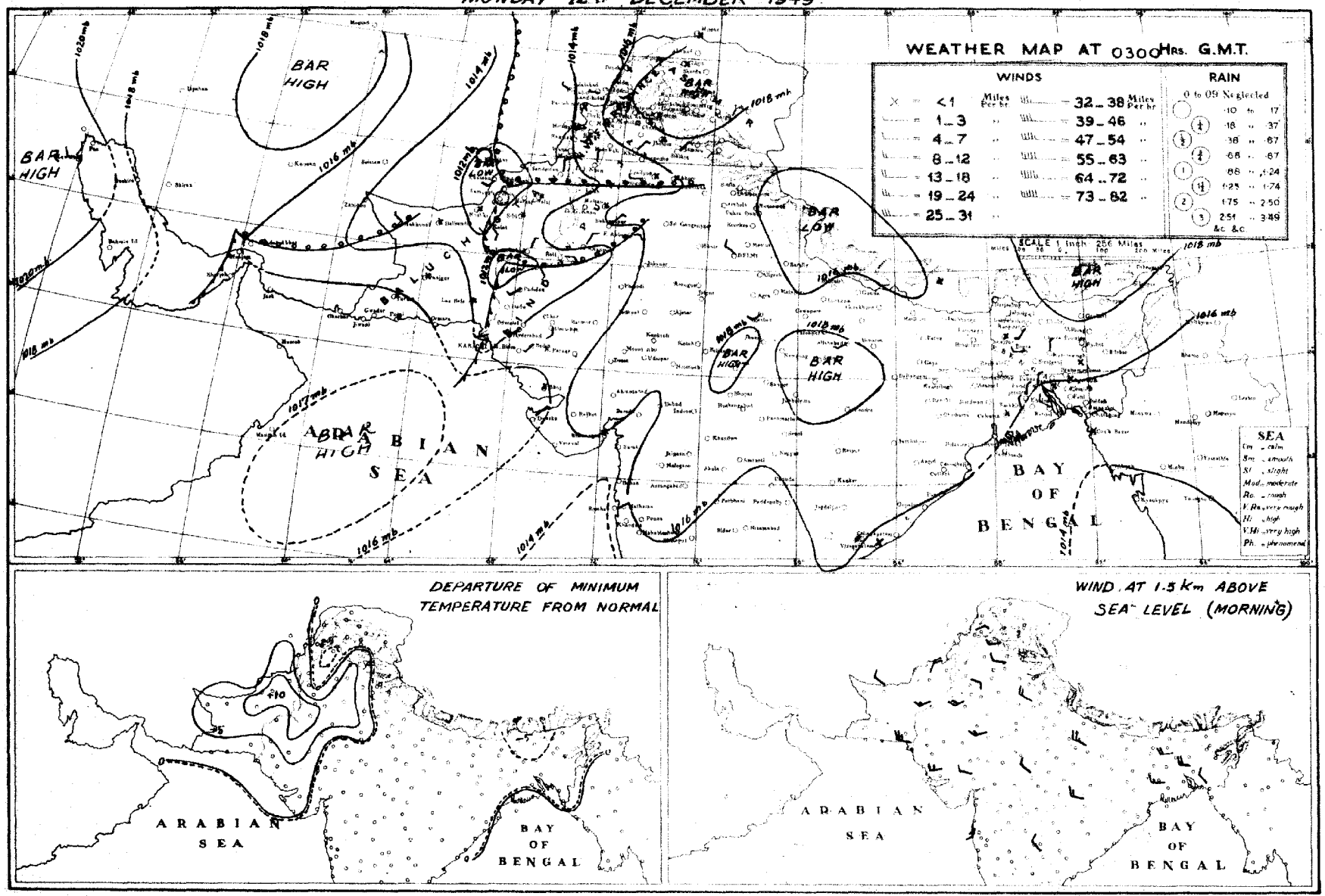
SUNDAY 11TH DECEMBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

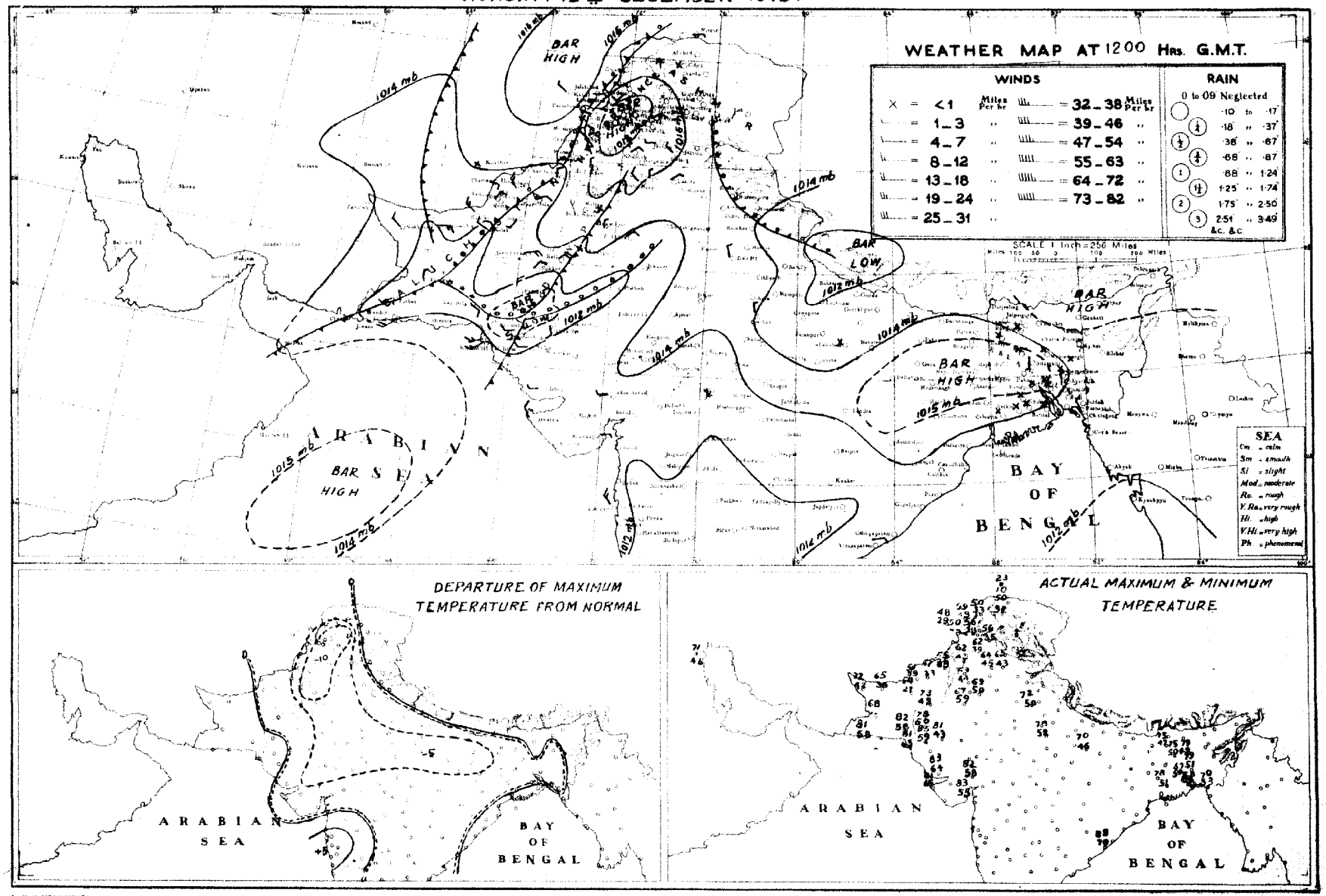
MONDAY 12TH DECEMBER 1949



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

PAKISTAN DAILY WEATHER REPORT

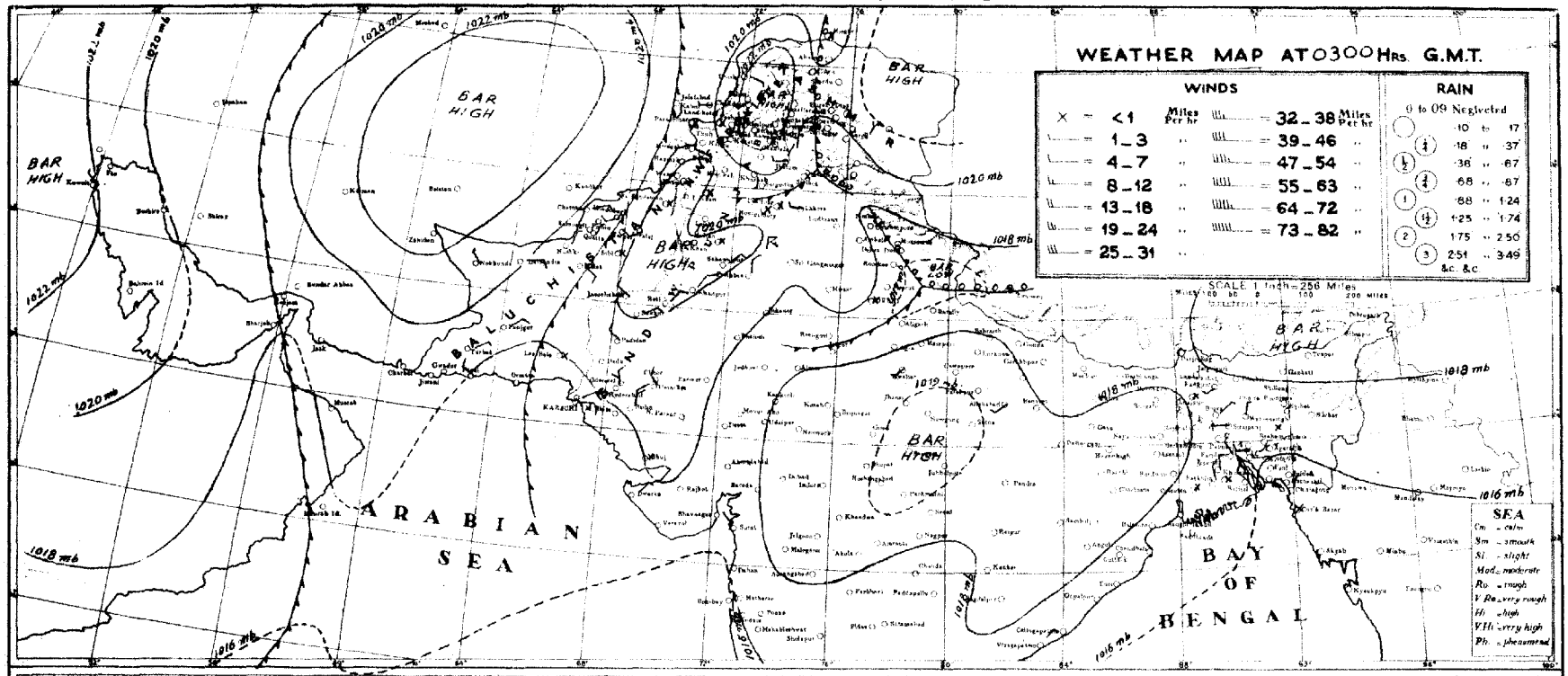
MONDAY. 12TH DECEMBER 1949.

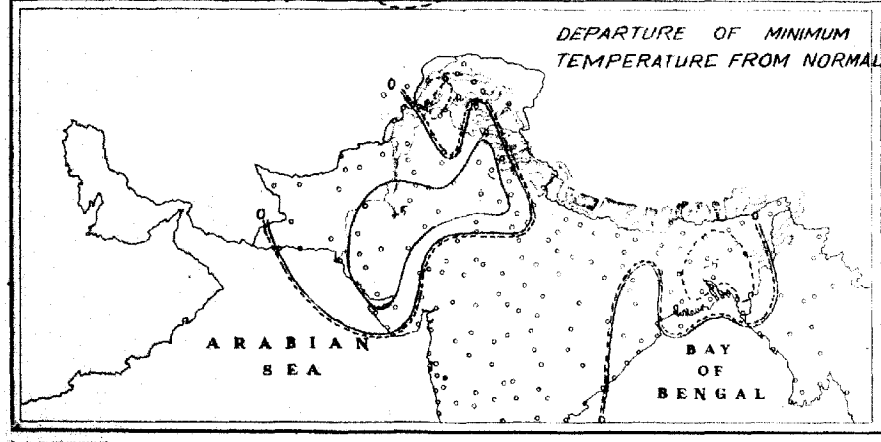


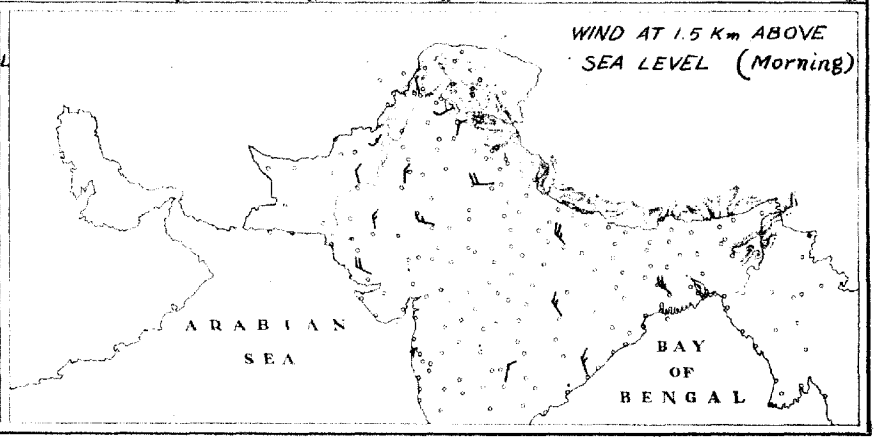
Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER REPORT

TUESDAY 13TH DECEMBER 1949.



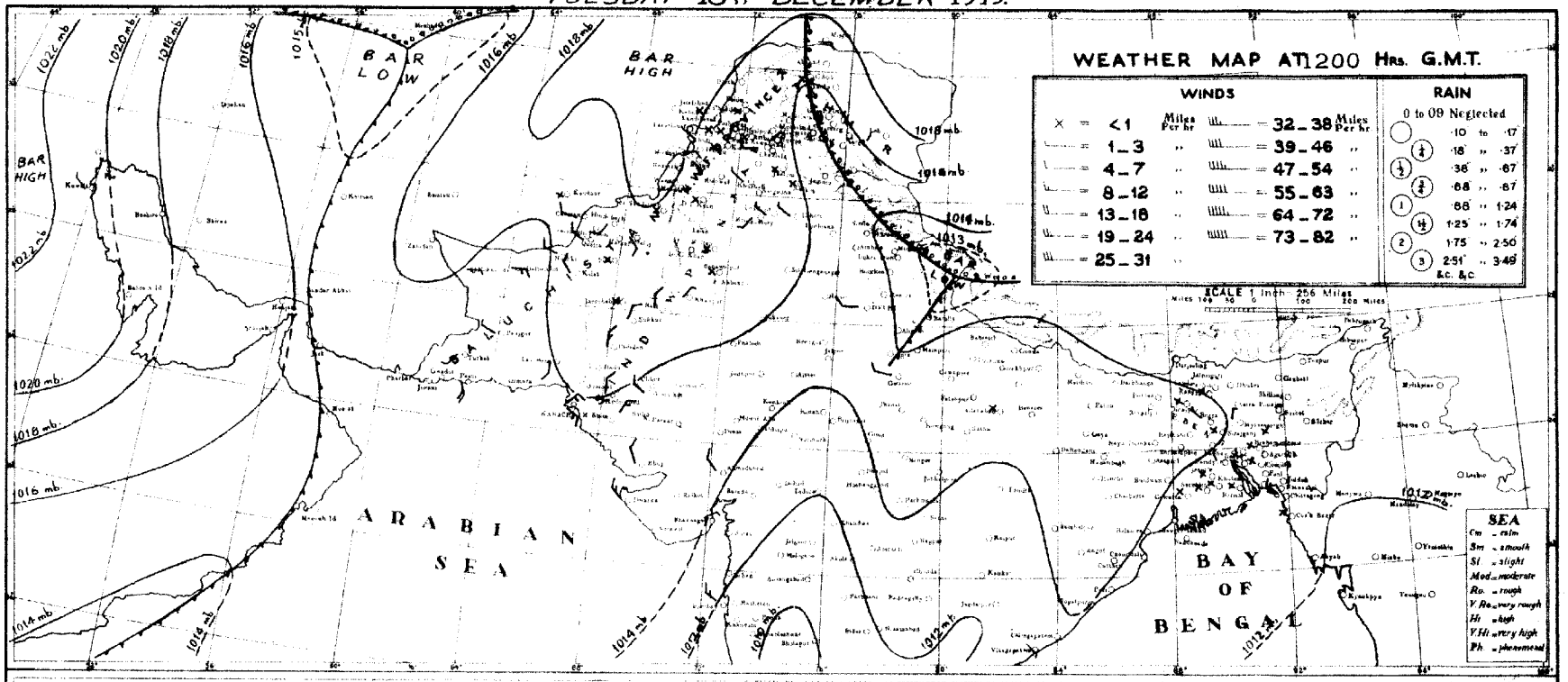


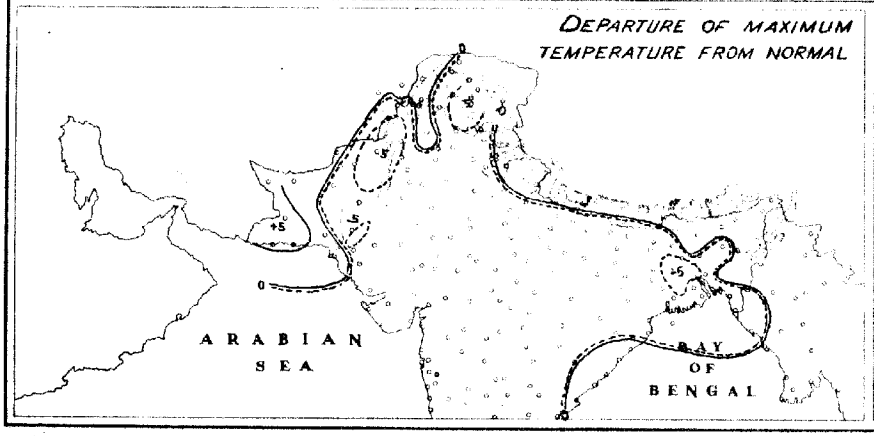


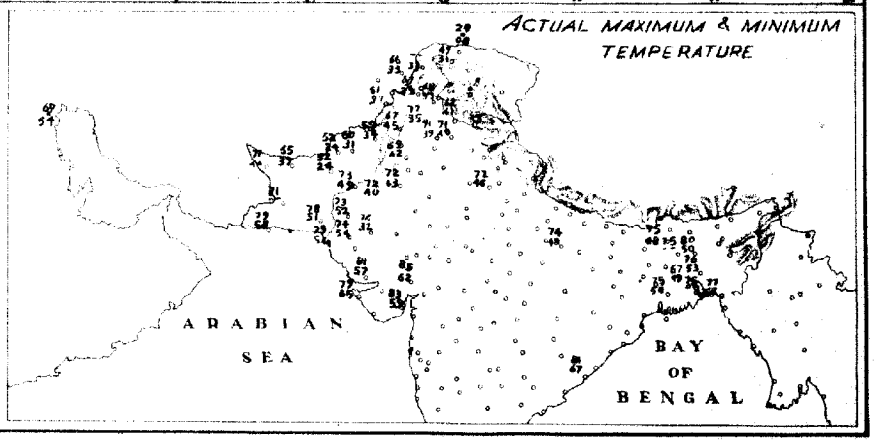
Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER REPORT

TUESDAY 13TH DECEMBER 1949.



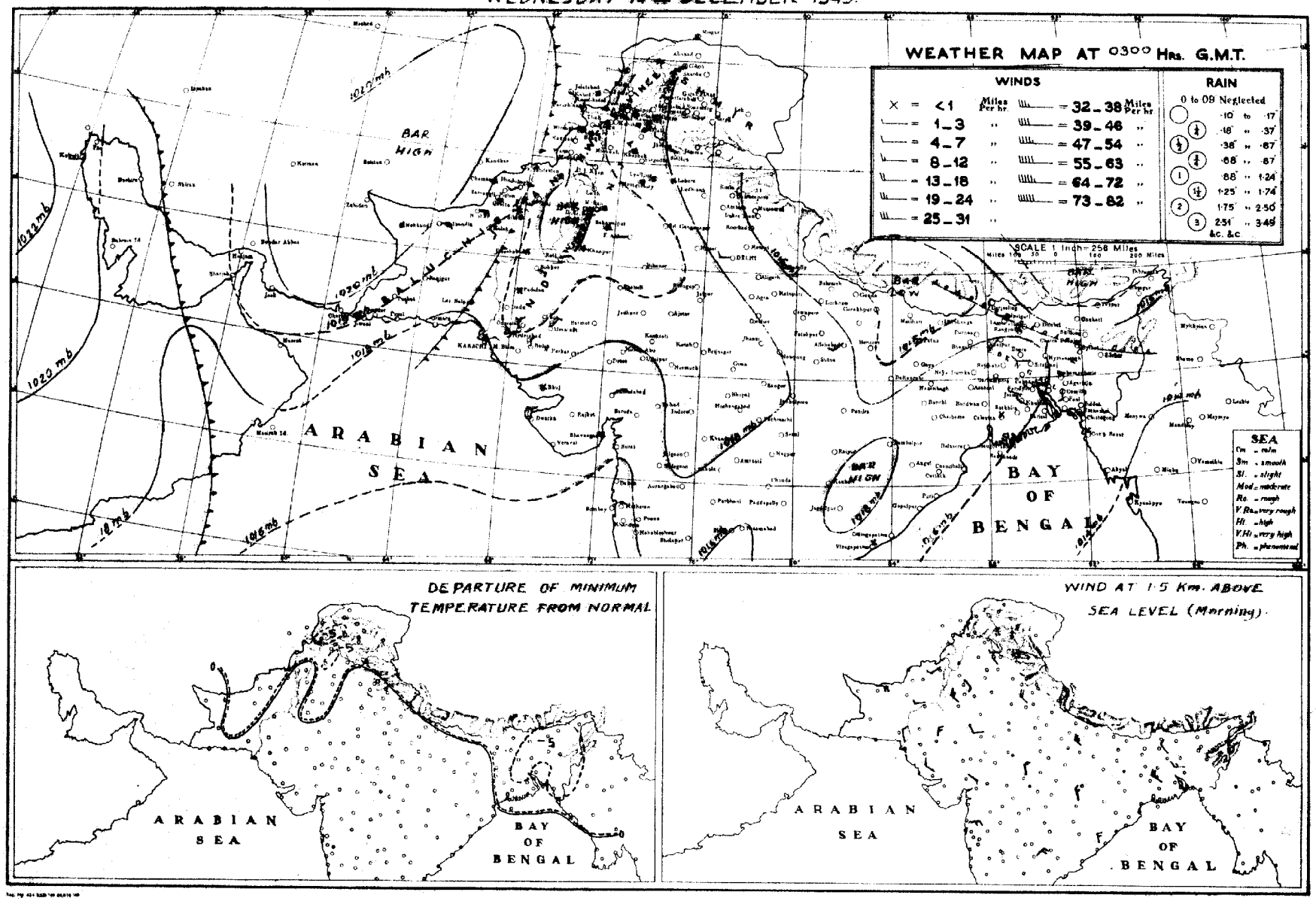




Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER REPORT

WEDNESDAY 14th DECEMBER 1949.



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

Regd. No.....

WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G. M. T. on Wednesday, the 21st December, 1949.

——o:O:o——

SUMMARY OF WEATHER.

A feeble secondary of a western disturbance further north, appeared over east Baluchistan on the 16th, but moved away rapidly northeast-wards after causing isolated showers over north-east Baluchistan.

On the 18th a fresh western disturbance appeared over northeast Baluchistan with its secondary low over Sind. The system moved rapidly northeast-wards after causing scattered light rain in north Baluchistan.

Weather continued dry over East Pakistan.

Night temperatures were appreciably below normal in East Pakistan and the northwest Punjab throughout the week, in the North-West Frontier Province on the 15th and from 19th to 21st. They were appreciably above normal in Sind and Baluchistan practically throughout the week and in southwest Punjab from 15th to 18th.

Chief amounts of rainfall during the week were :—Quetta, Chaman and Kalat ½" each on the 18t

2. EAST PAKISTAN : Weather continued dry.

KASHMIR : Data not available

WEST PUNJAB : Weather remained dry.

NORTH WEST FRONTIER PROVINCE : Whether remained dry.

BALUCHISTAN : A few showers were recorded in north Baluchistan on the 16th and 18th and in south Baluchistan on the 18th.

SIND : Weather remained dry.

JUNAGADH : Data not available.

3. The week's rainfall was scanty in Baluchistan. Elsewhere there was no rainfall.

Rainfall for the period from 1st November, 1949 to date was deficient in the south-west Punjab, and scanty elsewhere outside the Northern sub-division of East Pakistan where no rain fell.

4. The table overleaf summarises the rainfall statistics for the 11 sub-divisions of Pakistan both for the week and for the period from 1st November, 1949 to date.

KARACHI-11.
The 21st December, 1949.

MOHAMMAD SHABBAR,
for Director, Meteorological Services.

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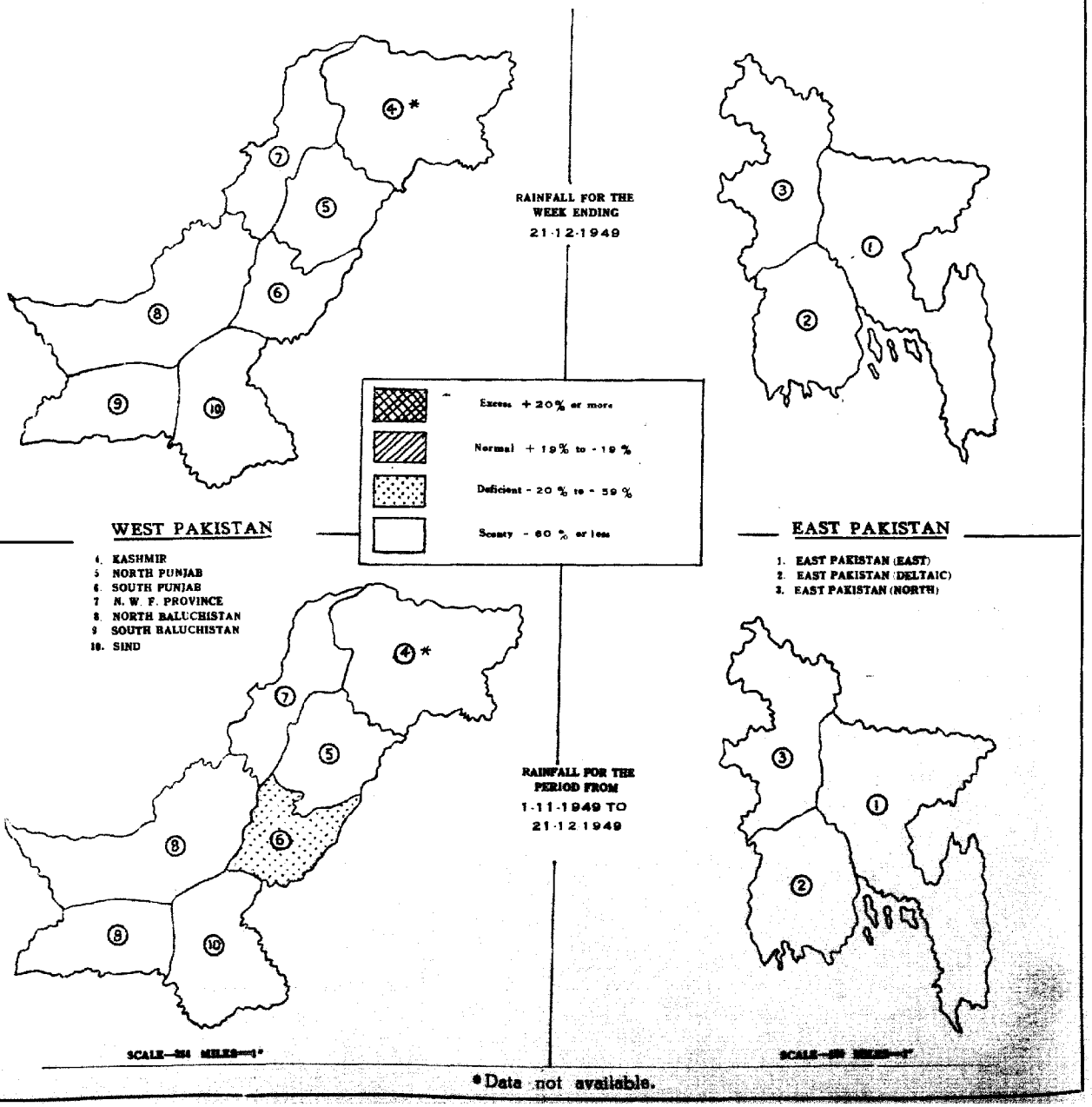
WEEKLY WEATHER REPORT

Division	Rainfall for week ending on 21st December 1949.			Rainfall for period from 1-11-49. to 21st December 1949.			
	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	0.3	1.9	− 1.7	− 87
2. East Pakistan (Deltaic)	0	0	0	0.3	1.5	− 1.1	− 78
3. East Pakistan (North)	0	0	0	0	0.7	− 0.7	−100
4. Kashmir †	....	....	....	....	....	....	...
5. North West Punjab	0	0.2	− 0.2	0	0.5	− 0.5	− 96
6. South West Punjab	0	0.1	− 0.1	0.1	0.2	− 0.1	− 32
7. N. W. F. P.	0	0.1	− 0.1	0.1	0.5	− 0.4	− 80
8. North Baluchistan	0	0.2	− 0.2	0.1	0.7	− 0 6	− 80
9. South Baluchistan	0	0.2	− 0.2	0	0.7	− 0 6	− 97
10. Sind	0	0.1	− 0.1	0.1	0.2	− 0.1	− 72
11. Junagadh †	...	....	....	...	....		...

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

† Data not available

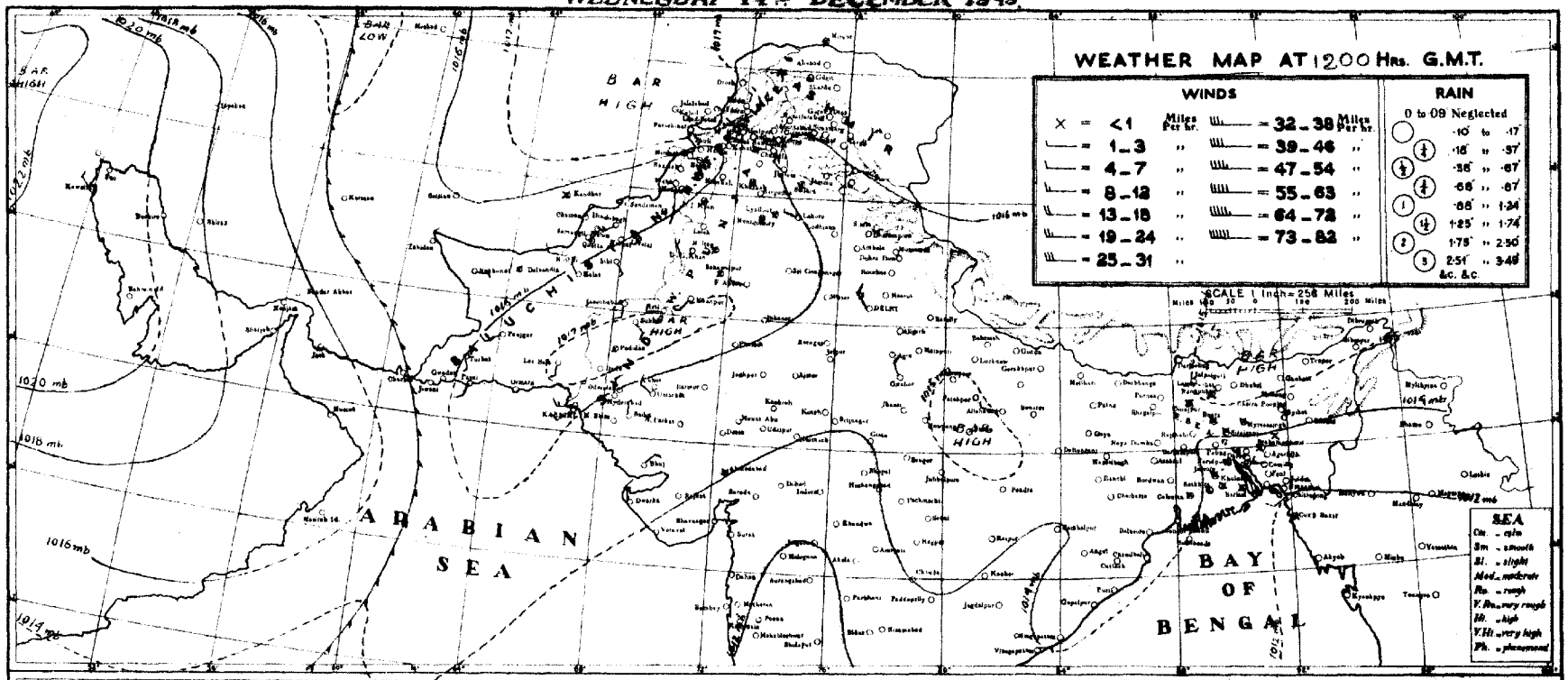
†† Rainfall of stations having no normals is not included.

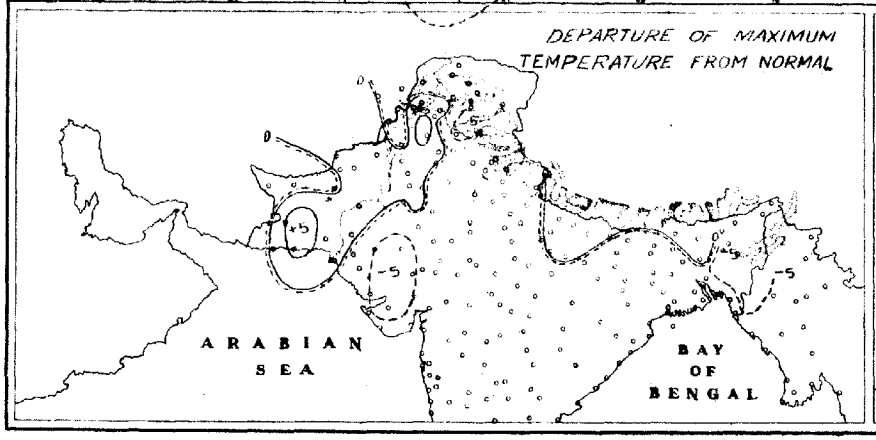


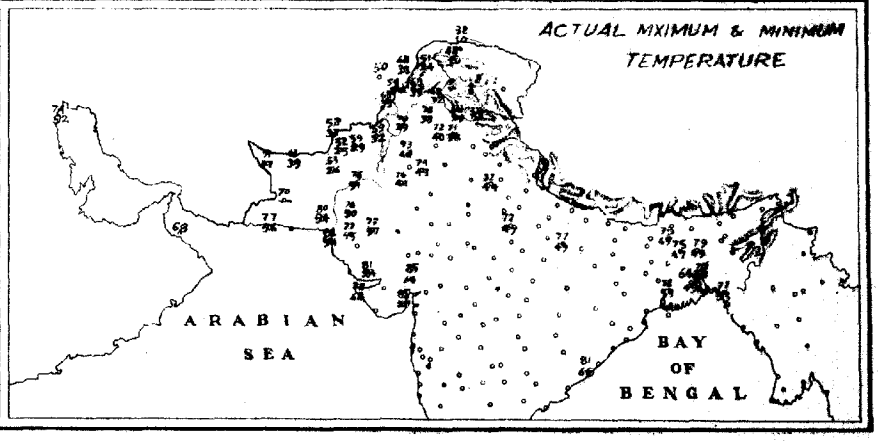
* Data not available.

PAKISTAN DAILY WEATHER REPORT

WEDNESDAY 14TH DECEMBER 1949



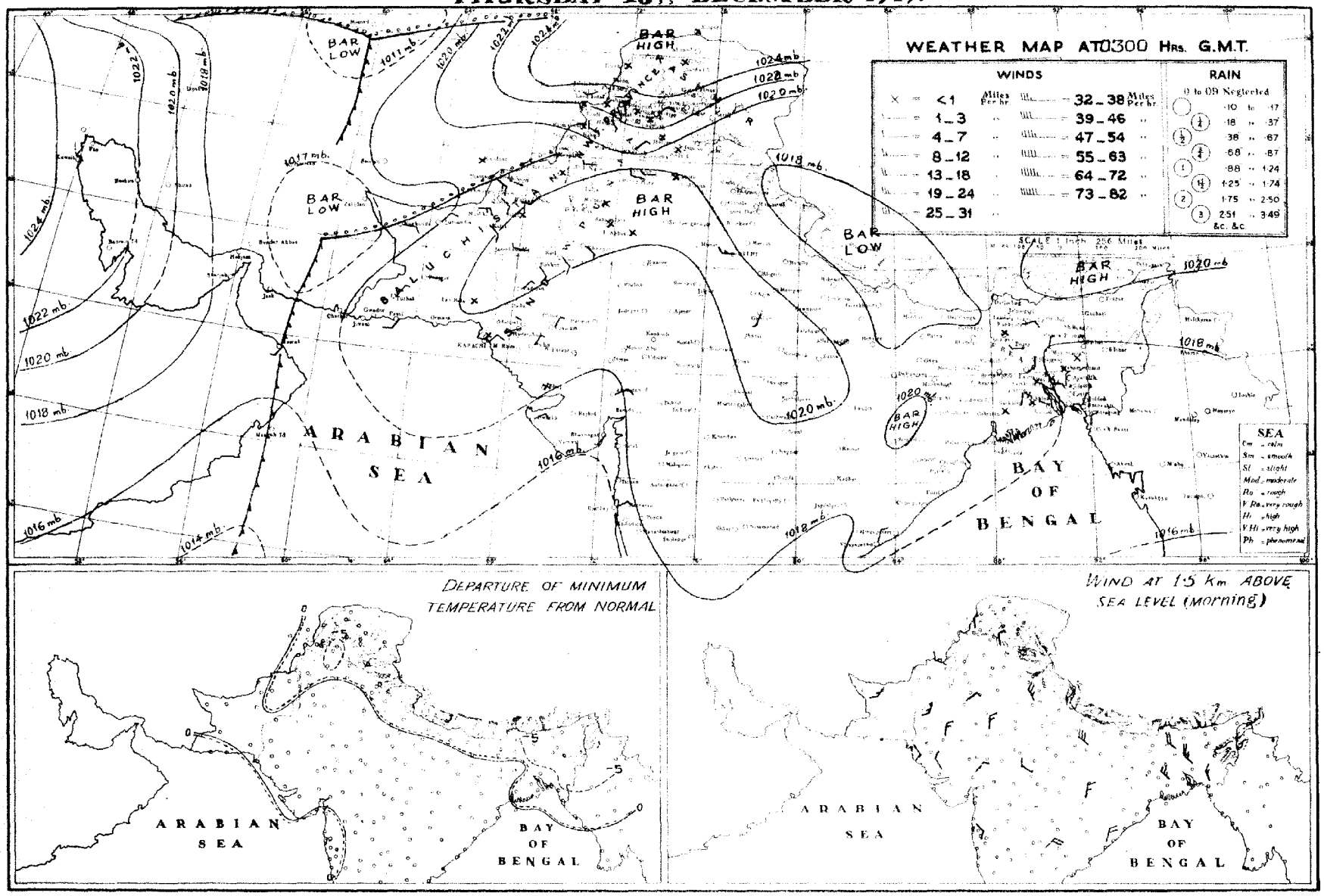




Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER REPORT

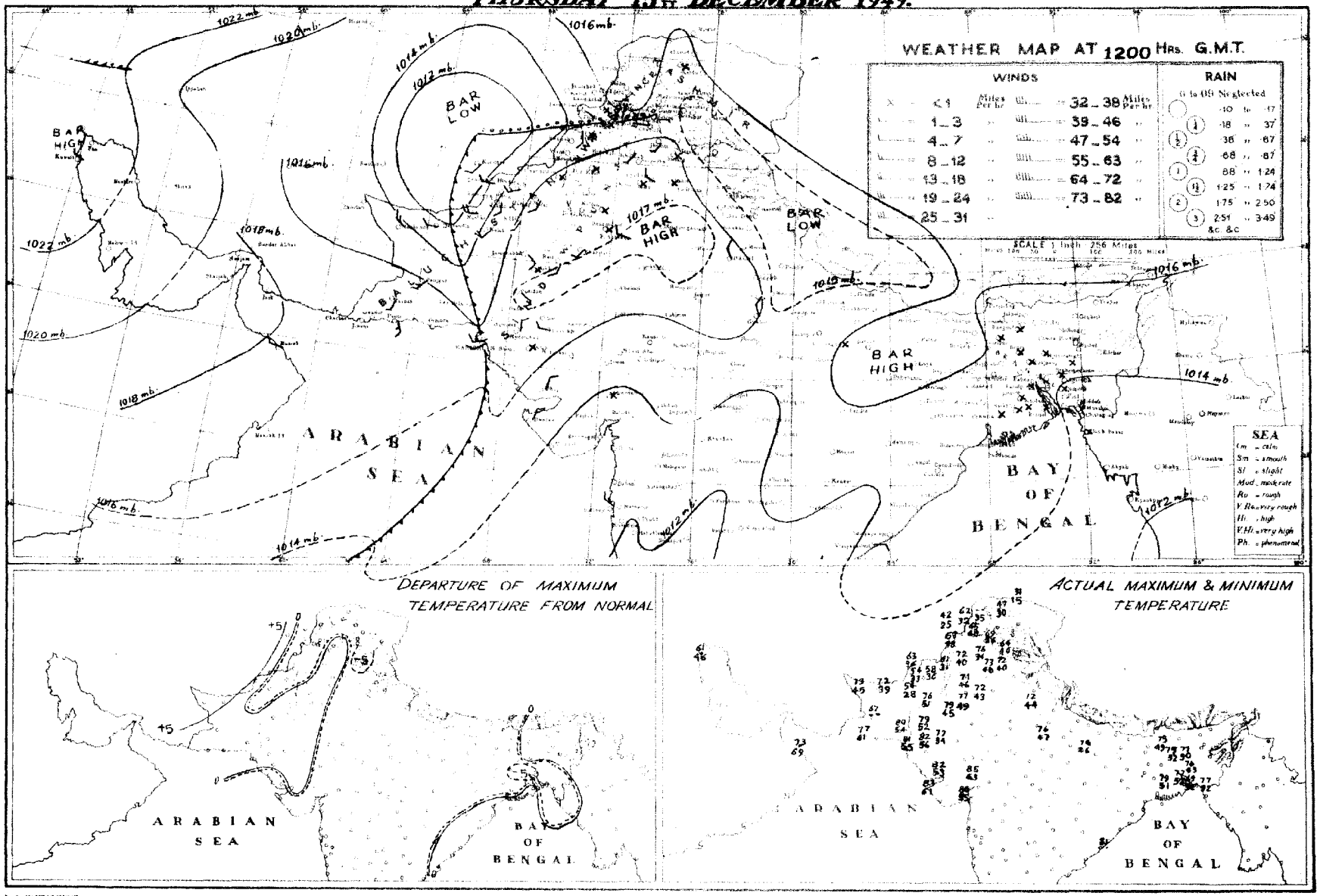
THURSDAY 15TH DECEMBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

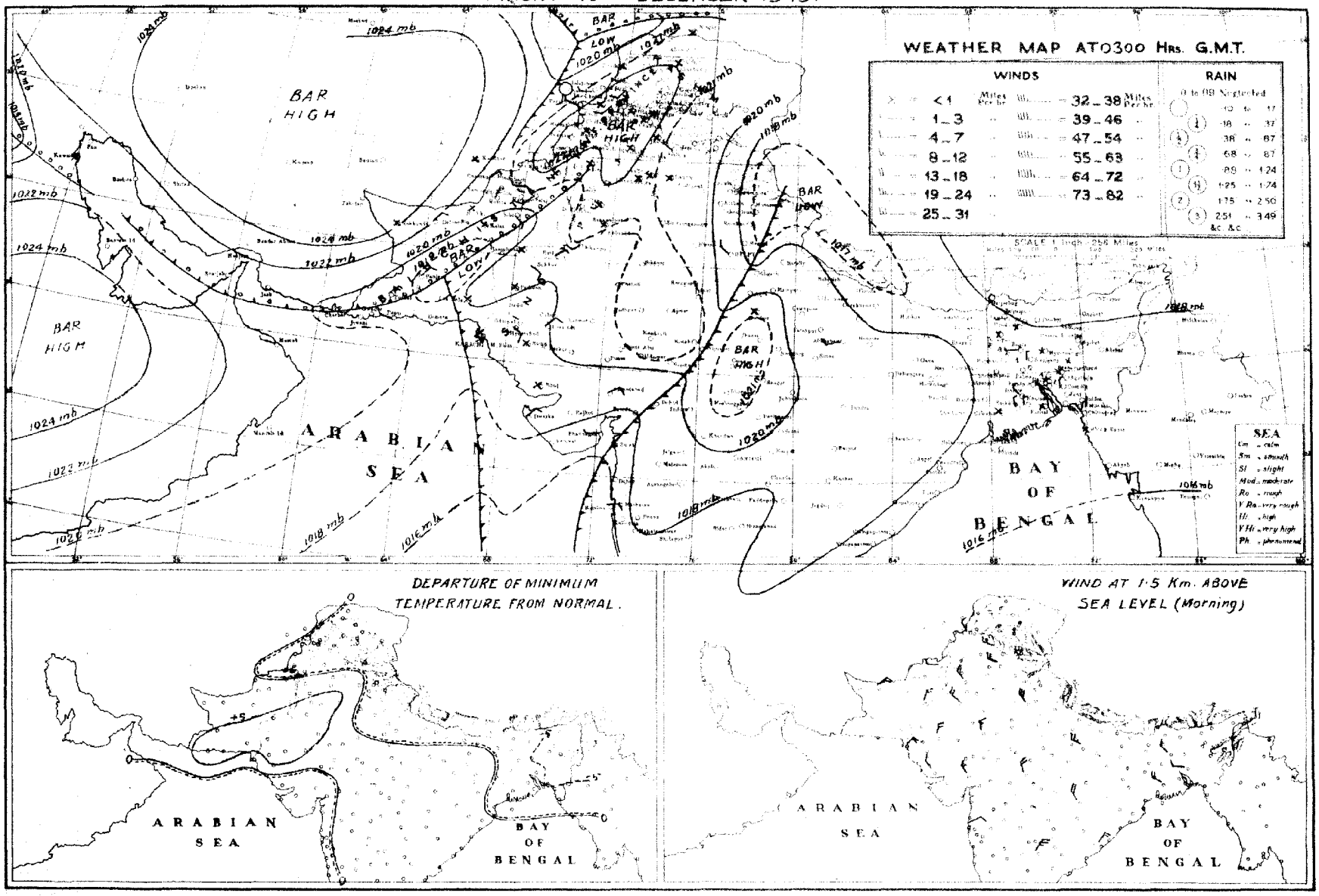
THURSDAY 15TH DECEMBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

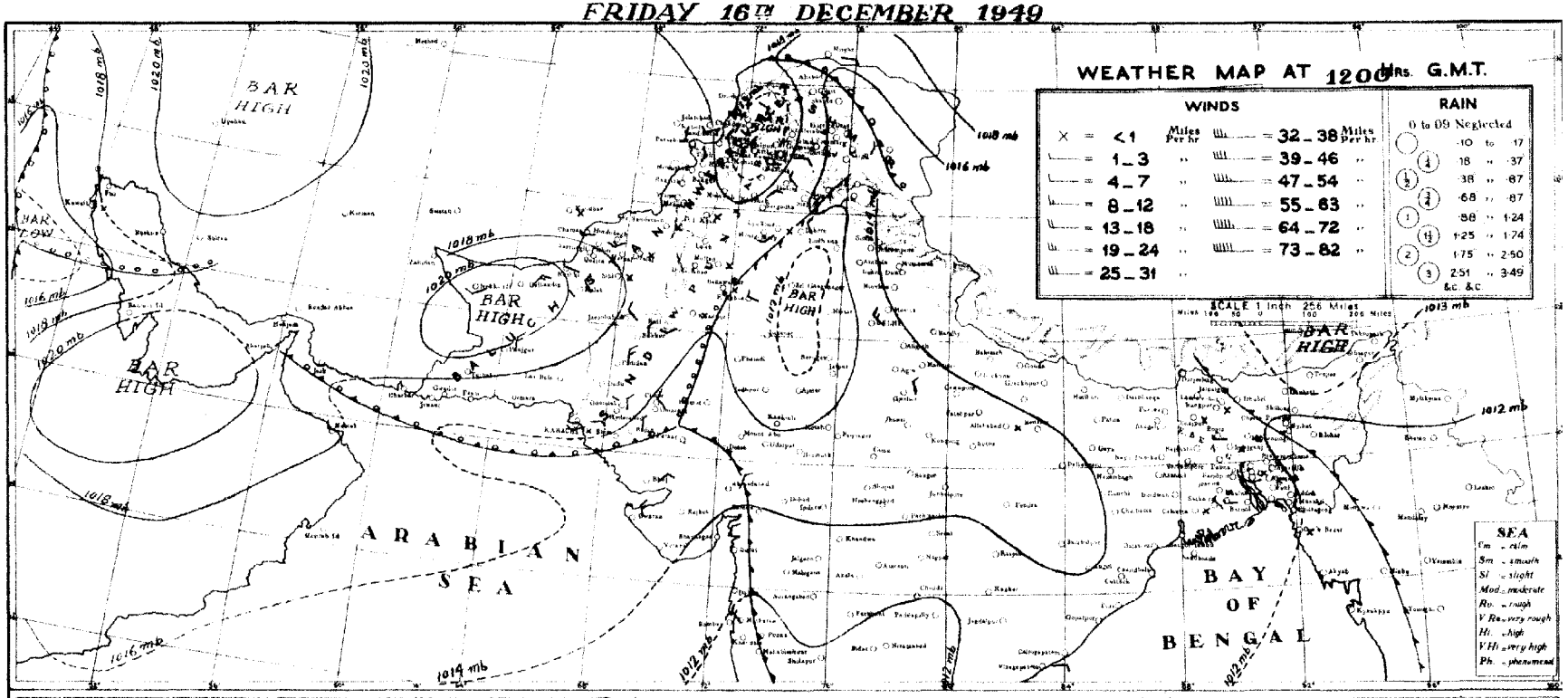
FRIDAY 16TH DECEMBER 1949

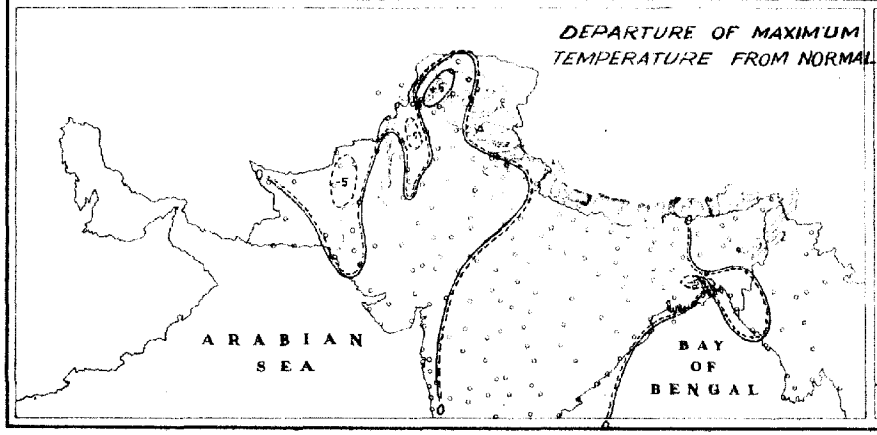


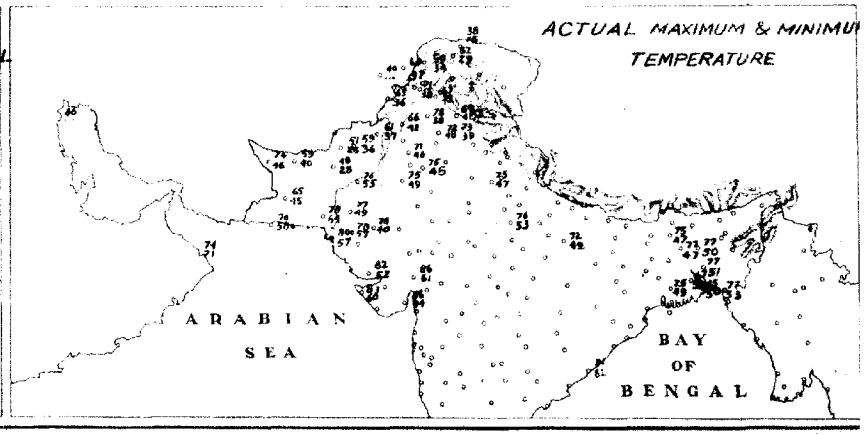
Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER REPORT

FRIDAY 16TH DECEMBER 1949



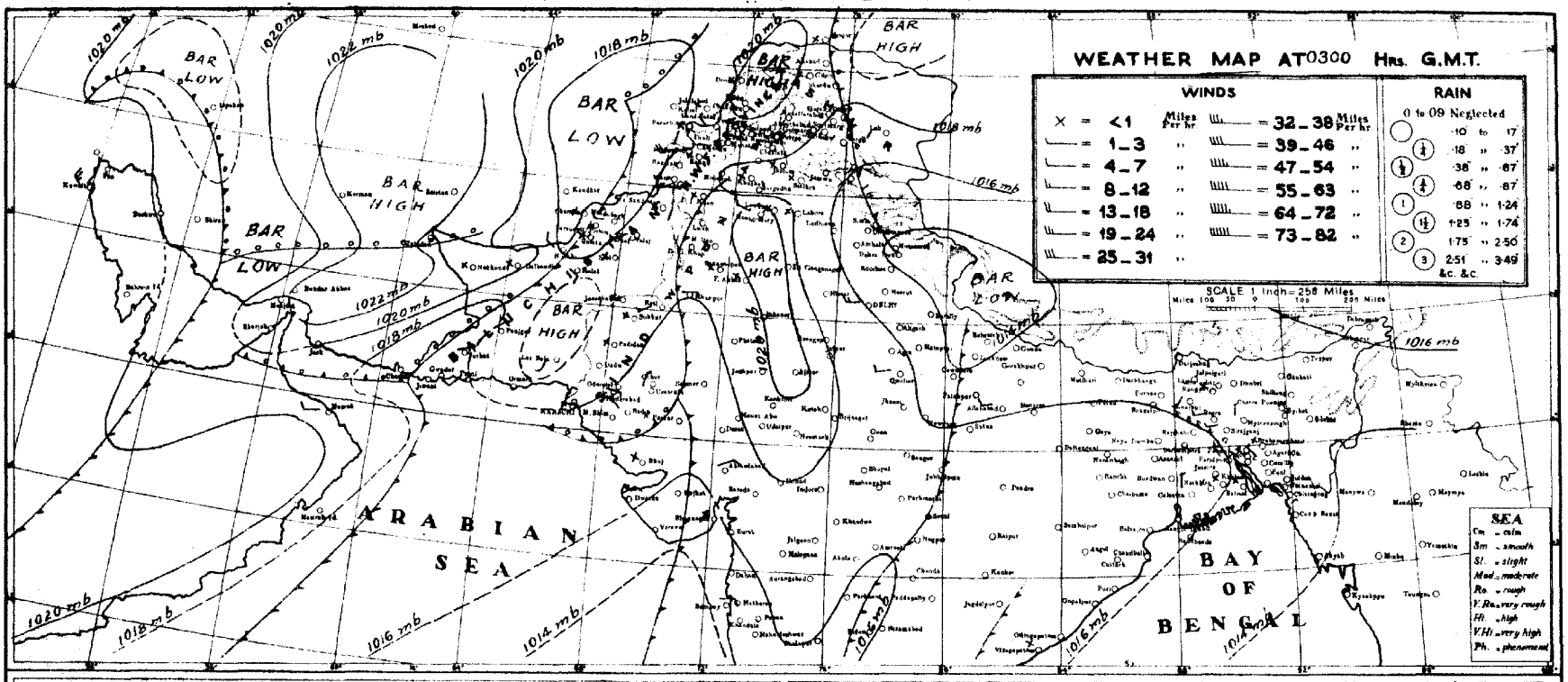


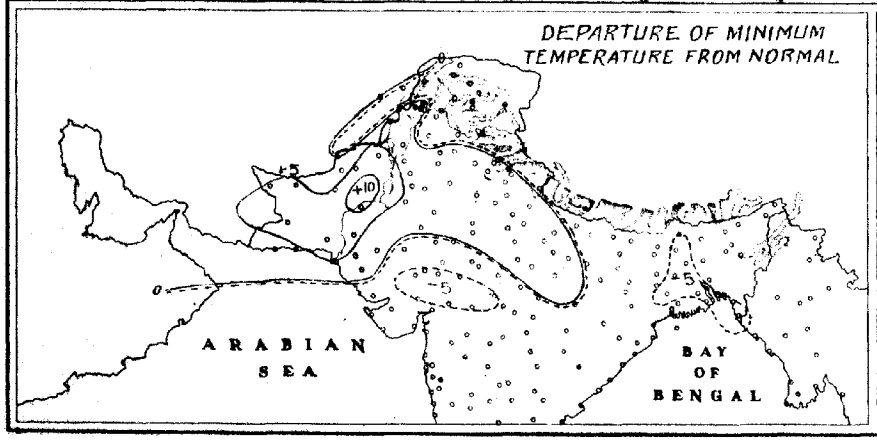


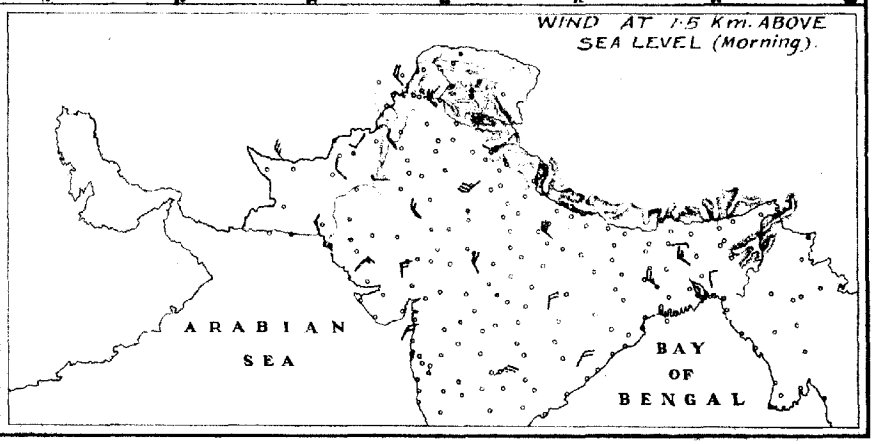
Rainfall amounts indicated in the above chart refer to past 9hours.

PAKISTAN DAILY WEATHER REPORT

SATURDAY 17TH DECEMBER 1949



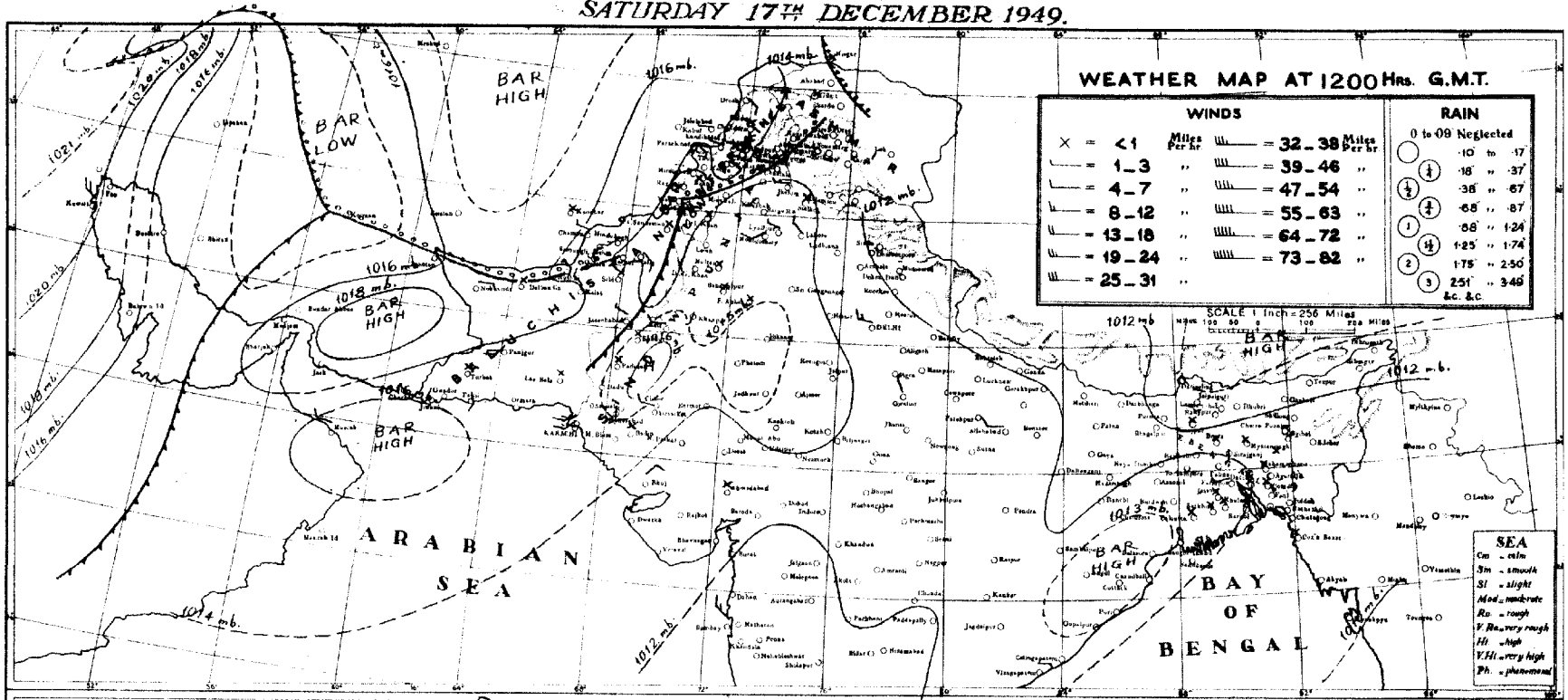


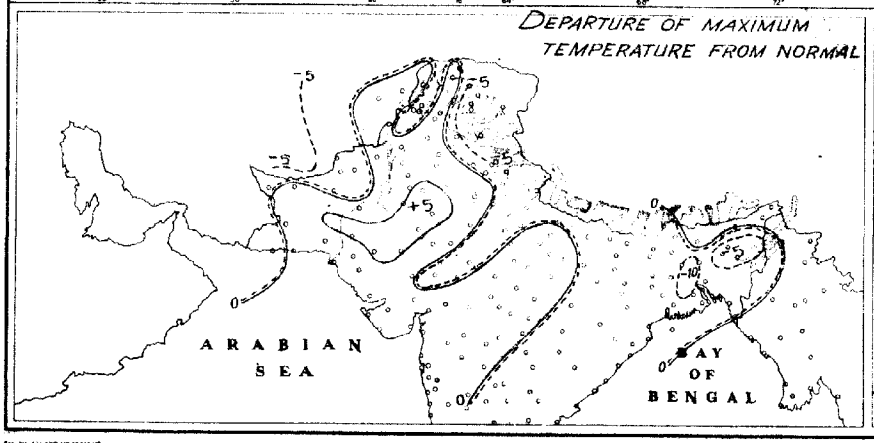


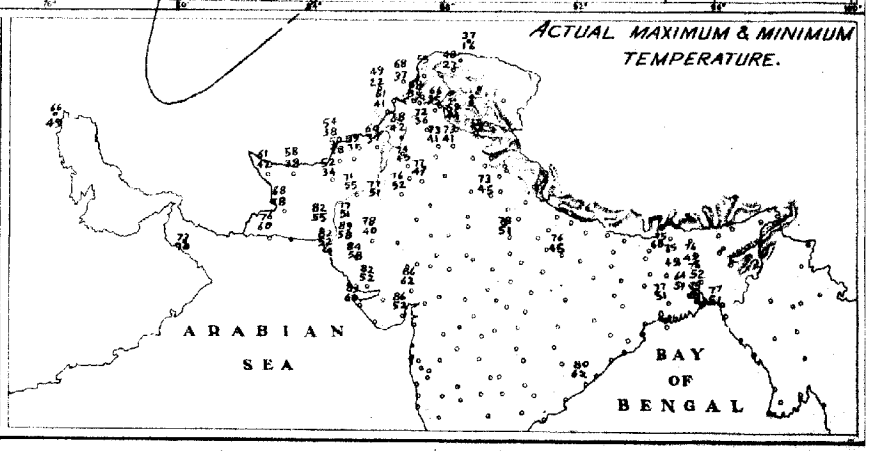
Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER REPORT

SATURDAY 17TH DECEMBER 1949.



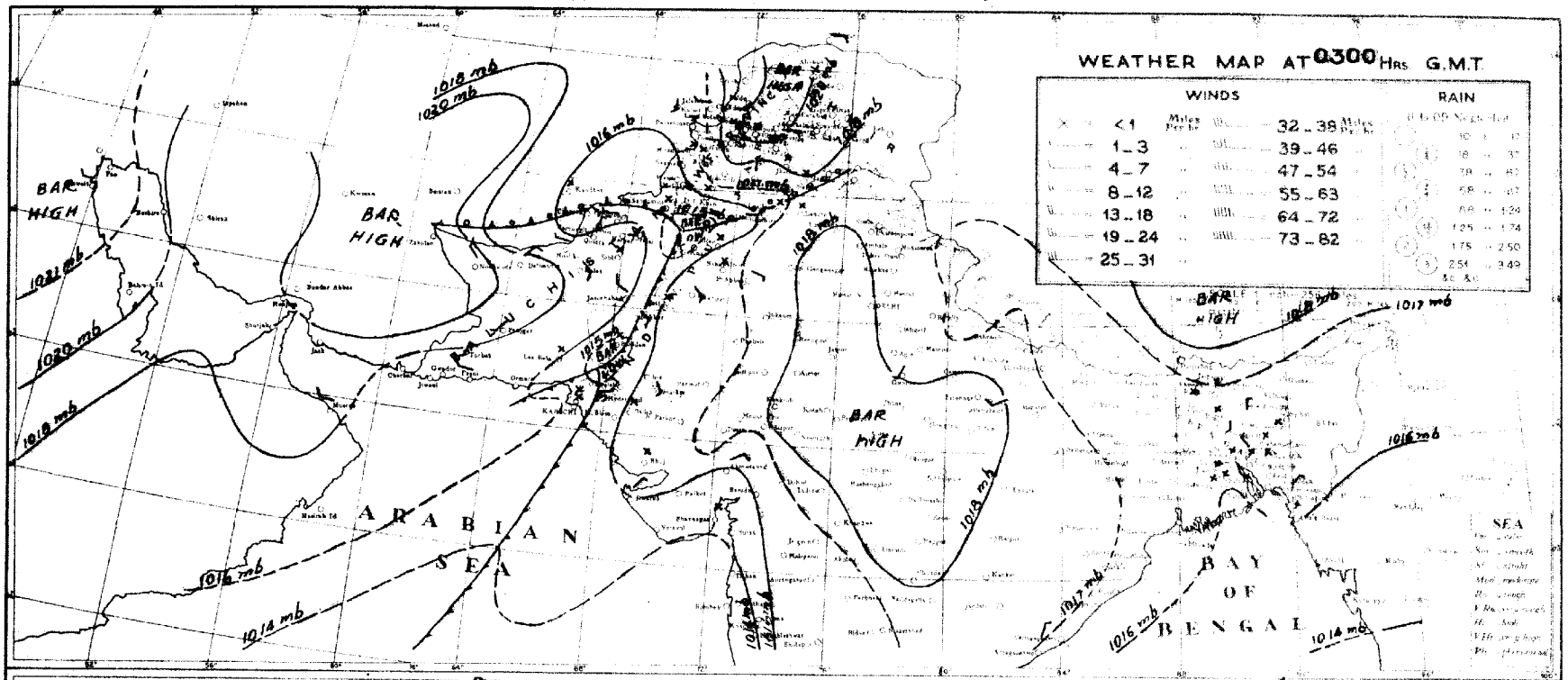


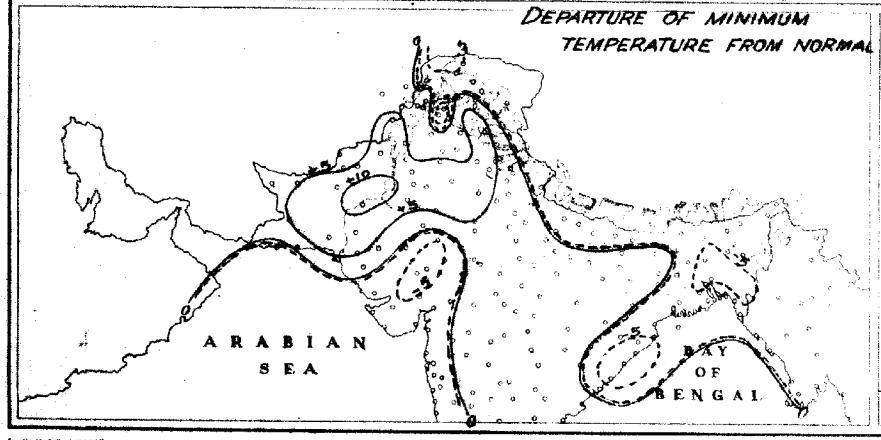


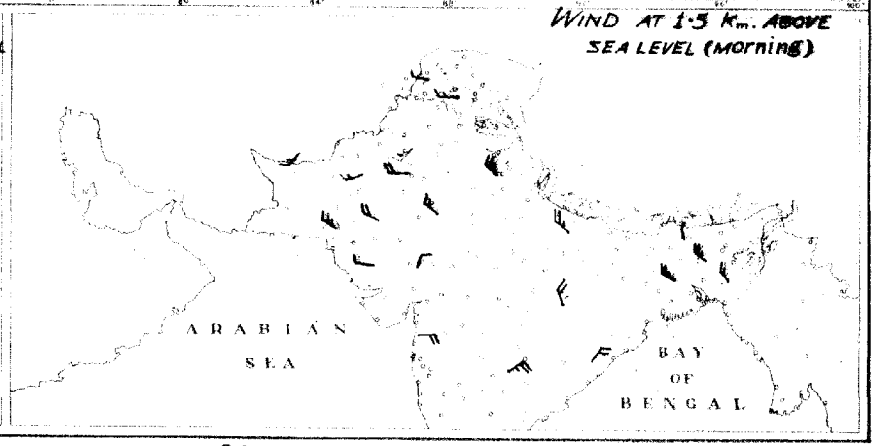
Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER REPORT

SUNDAY 18th DECEMBER 1949.



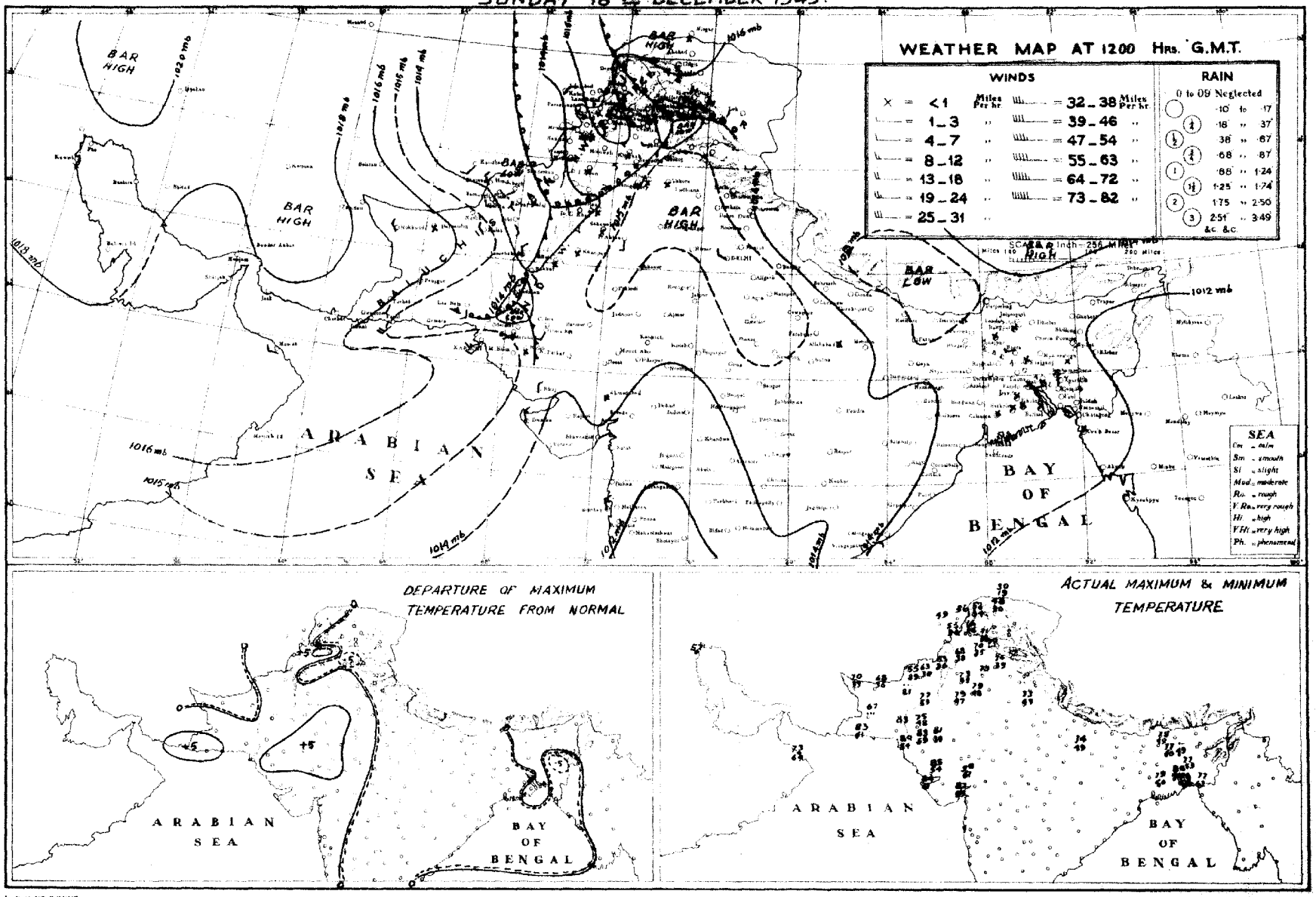




Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER REPORT

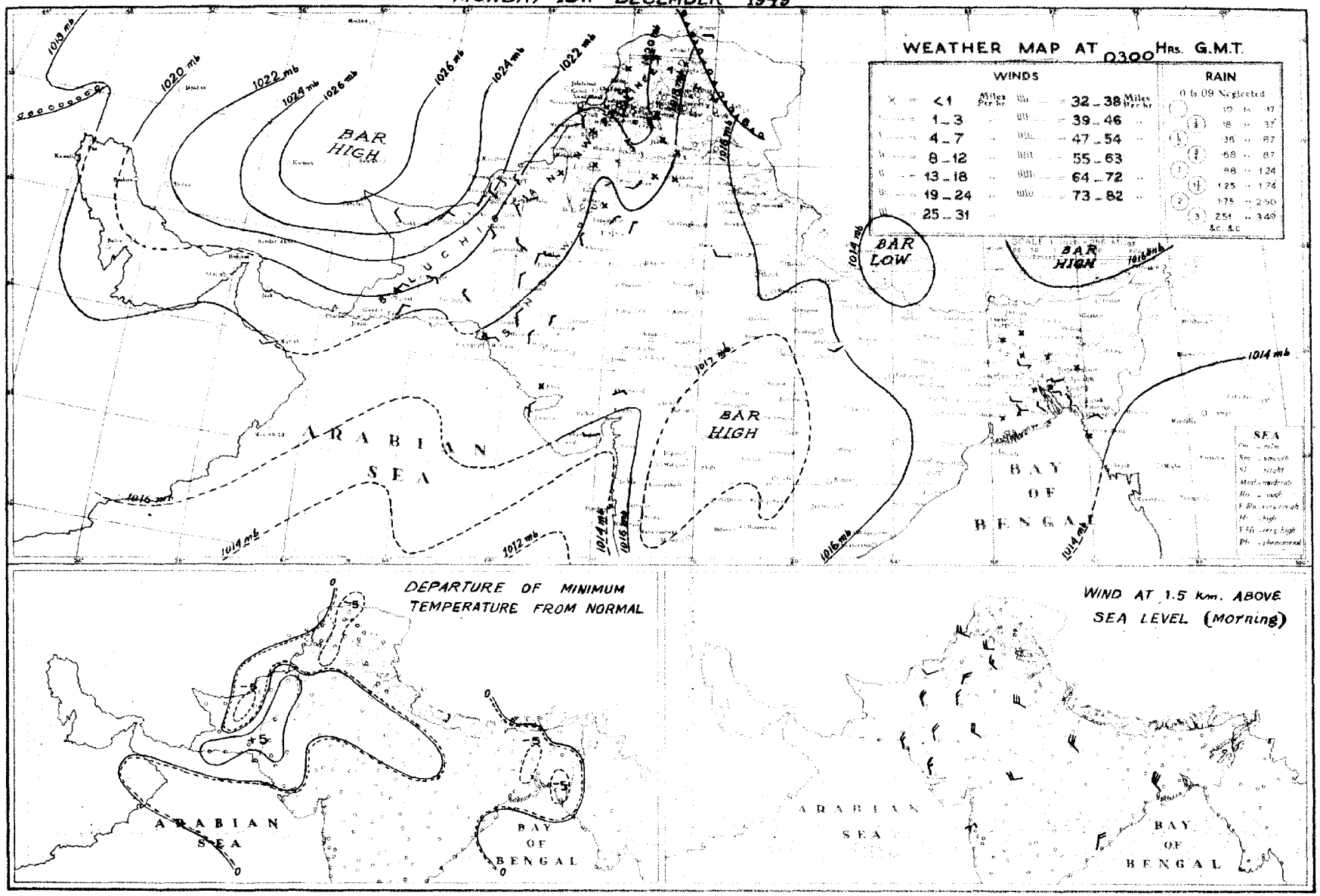
SUNDAY 18 TH DECEMBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

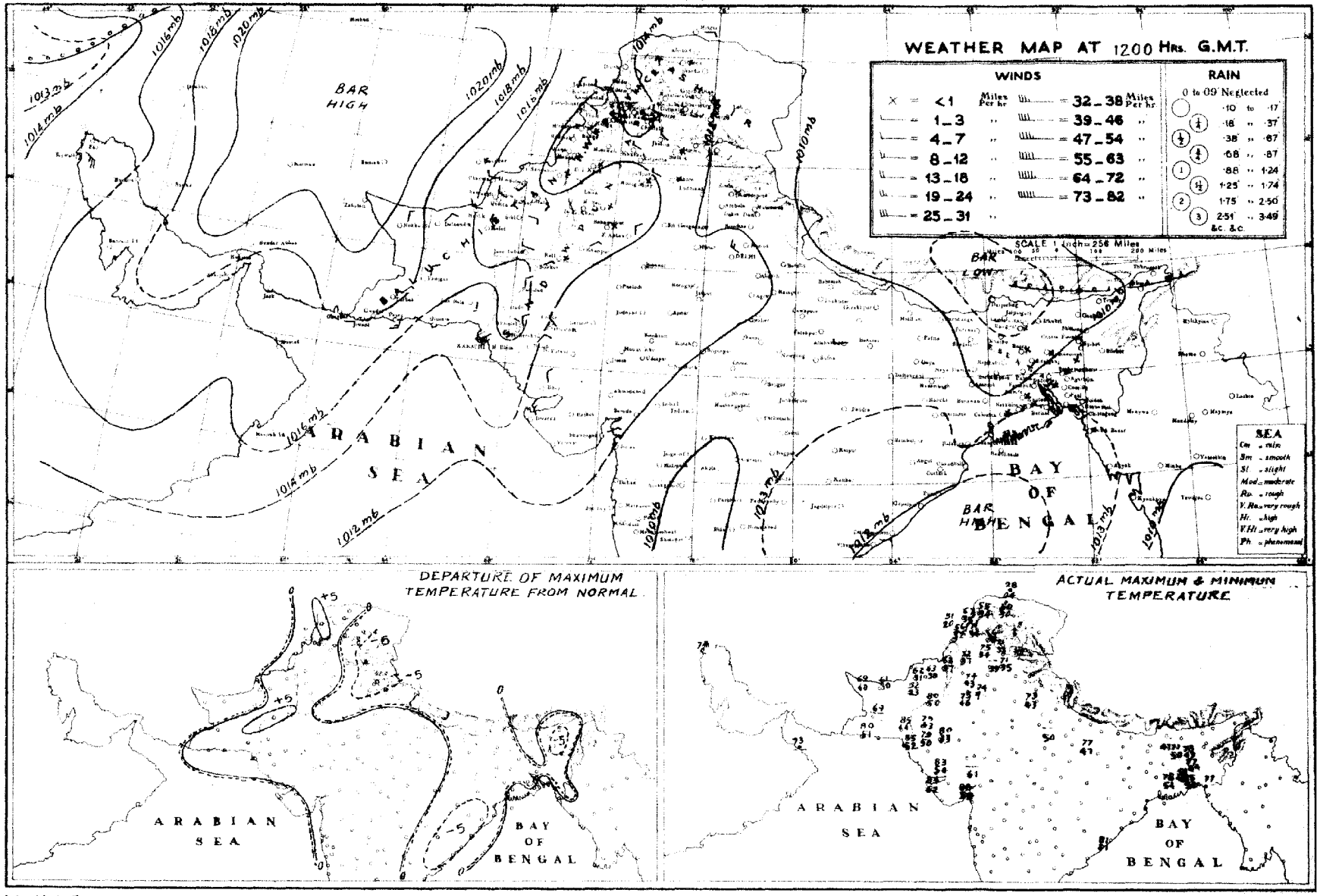
MONDAY 19th DECEMBER 1949



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

PAKISTAN DAILY WEATHER REPORT

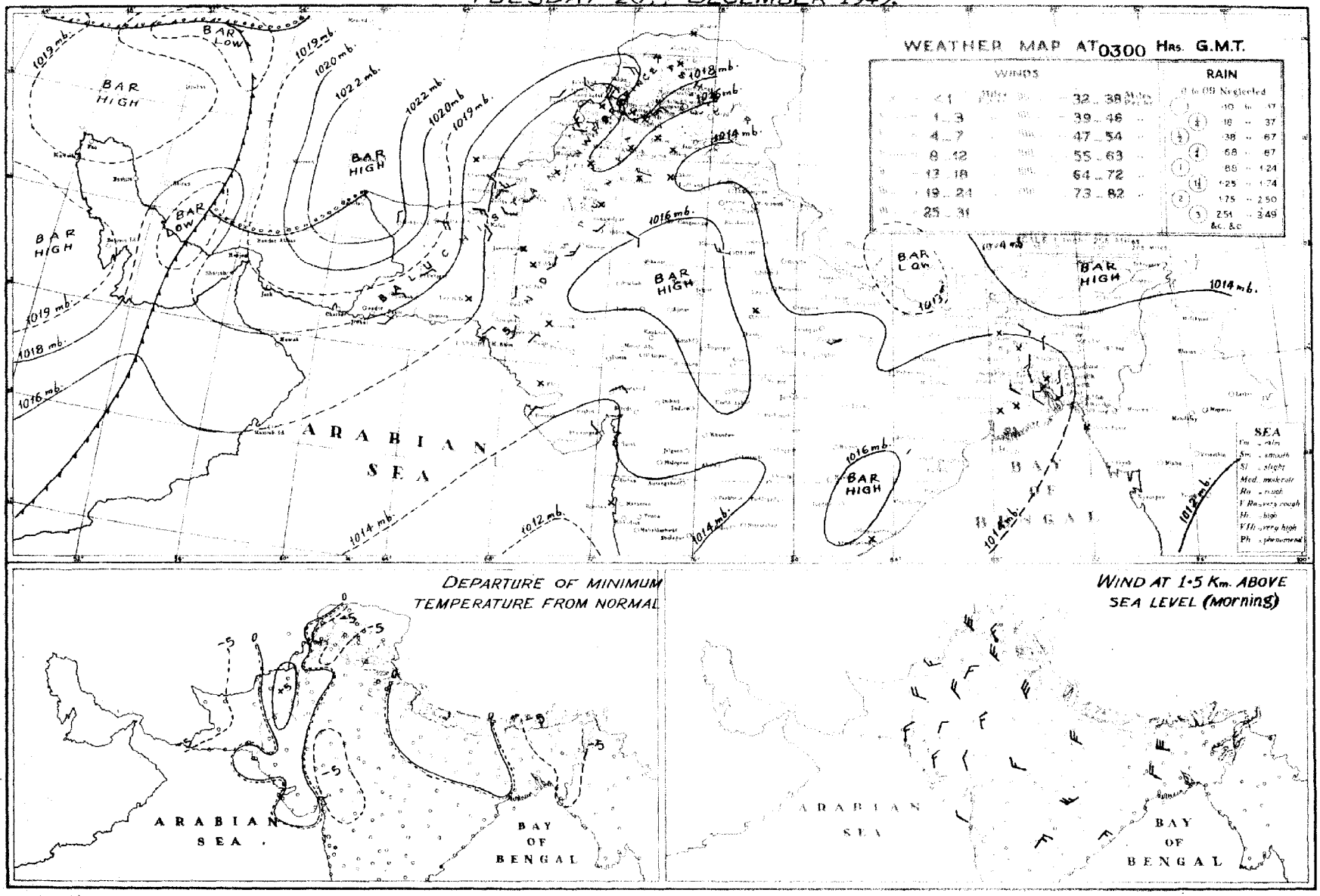
MONDAY 19TH DECEMBER 1949



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

PAKISTAN DAILY WEATHER REPORT

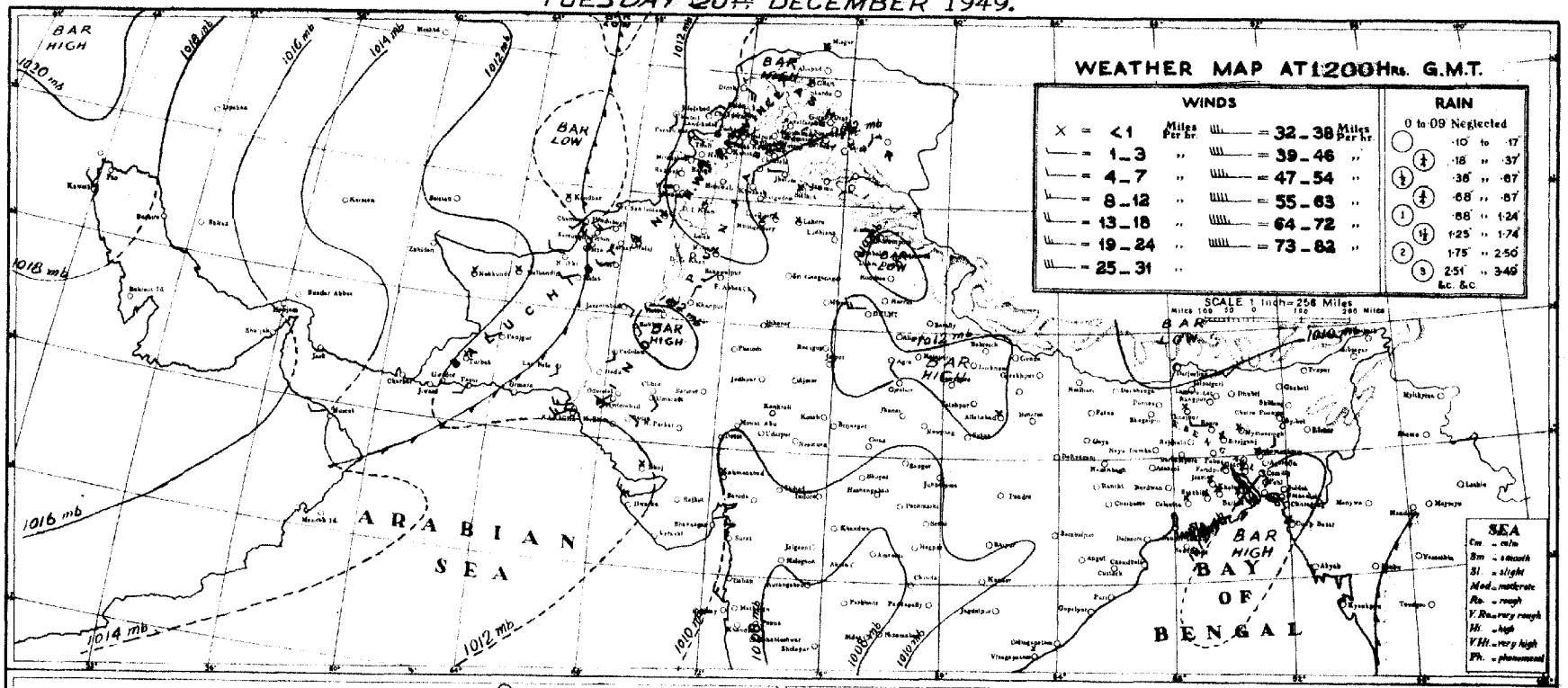
TUESDAY 20TH DECEMBER 1949.

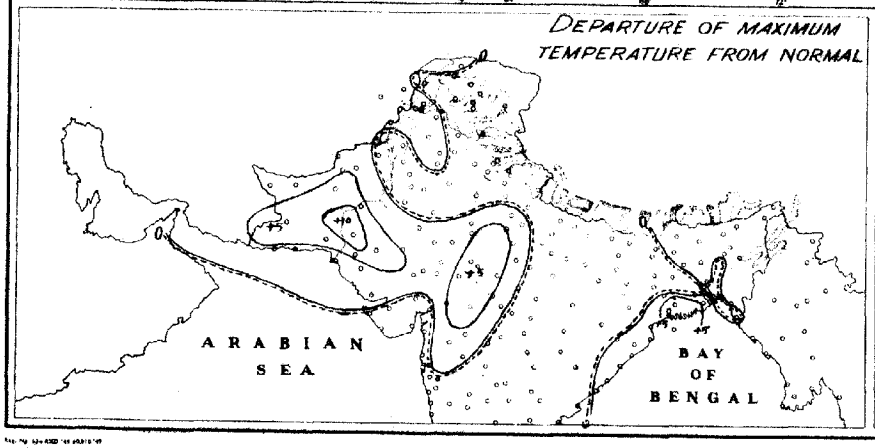


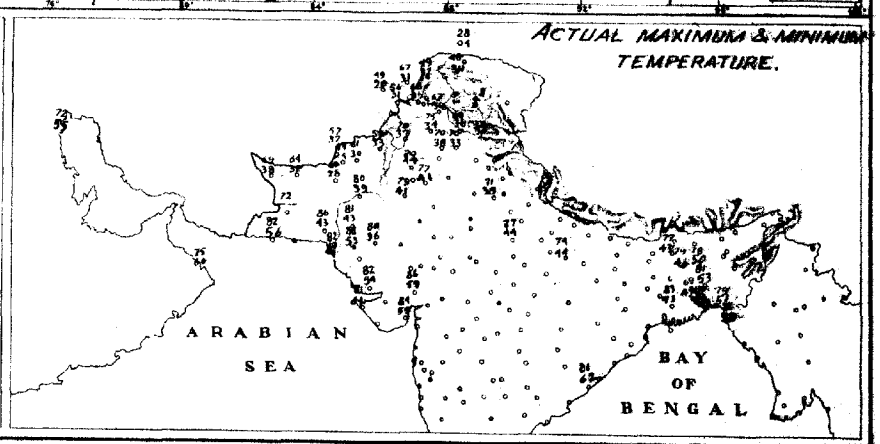
Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER REPORT

TUESDAY 20TH DECEMBER 1949.



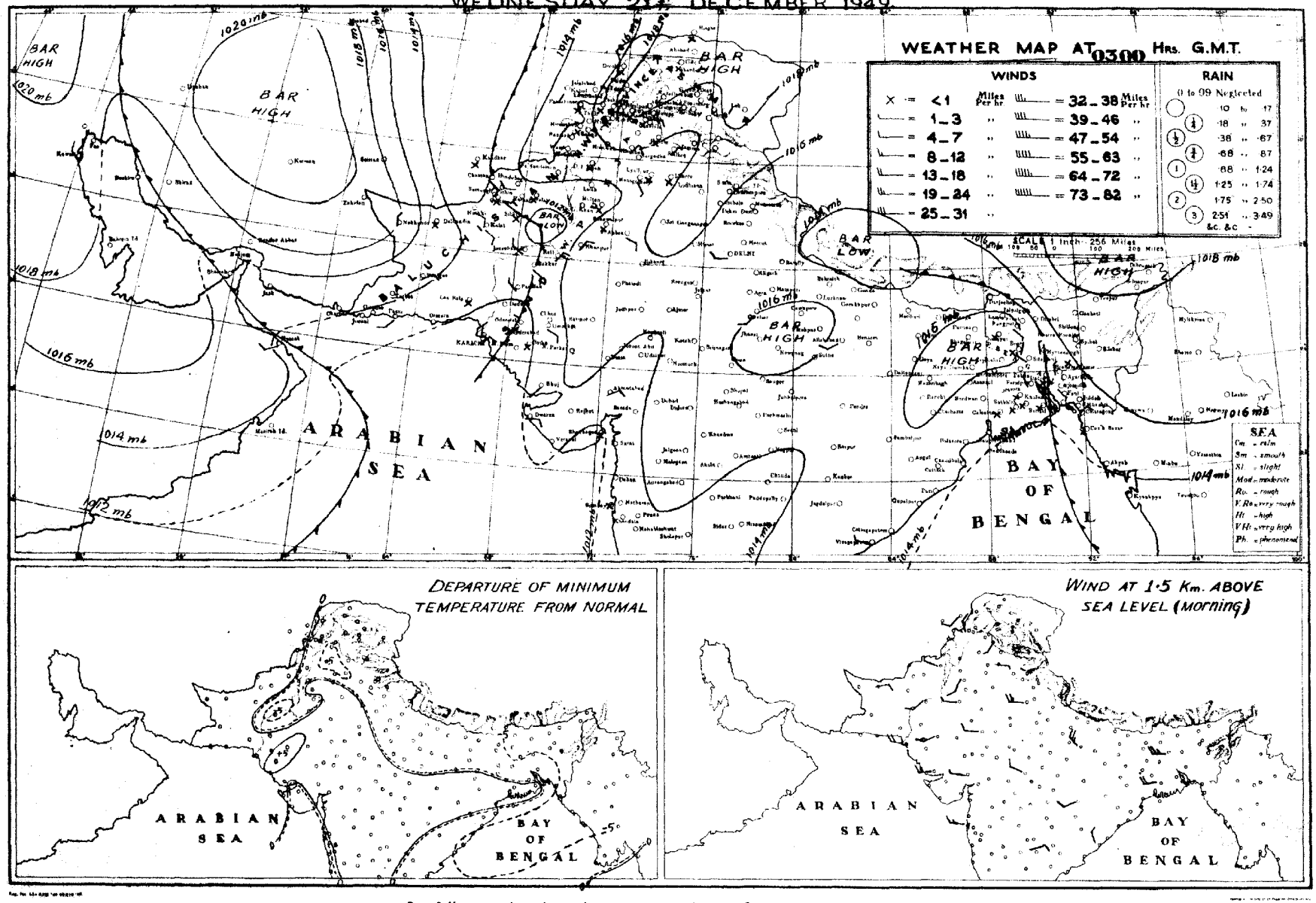




Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER REPORT

WEDNESDAY 21ST DECEMBER 1949.



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

Regd. No.....

WEEKLY WEATHER REPORT FOR PAKISTAN AND KASHMIR

For the week ending at 0300 hours G. M. T. on Wednesday, the 28th December, 1949.

—o:O:o—

SUMMARY OF WEATHER.

Two Western disturbances affected the northern portion of West Pakistan during the week but did not cause any rainfall over the region. Cold and dry weather continued over East Pakistan.

Night temperatures were below normal in East Pakistan throughout the week and in West Pakistan from 23rd to 25th. They were appreciably above normal in the North-West Frontier Province from 26th to 28th and in Baluchistan on 27th and 28th.

2. EAST PAKISTAN: Weather continued to be dry.

KASHMIR: Data not available.

WEST PUNJAB: Weather continued to be dry.

NORTH-WEST FRONTIER PROVINCE: Weather continued to be dry.

BALUCHISTAN: Weather remained dry.

SIND:—Weather remained dry.

JUNAGADH: Data not available.

3. Dry Weather prevailed over the country during the week.

Rainfall for the period from 1st November, 1949 to date was deficient in the southwest Punjab and scanty elsewhere outside the Northern sub-division of East Pakistan, where no rain fell.

4. The table overleaf summarises the rainfall statistics for the 11 sub-divisions of Pakistan both for the week and for the period from 1st November, 1940 to date.

KARACHI-11.
The 28th December, 1949.

MOHAMMAD SHABBAR,
for Director, Meteorological Services.

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WEATHER BUREAU

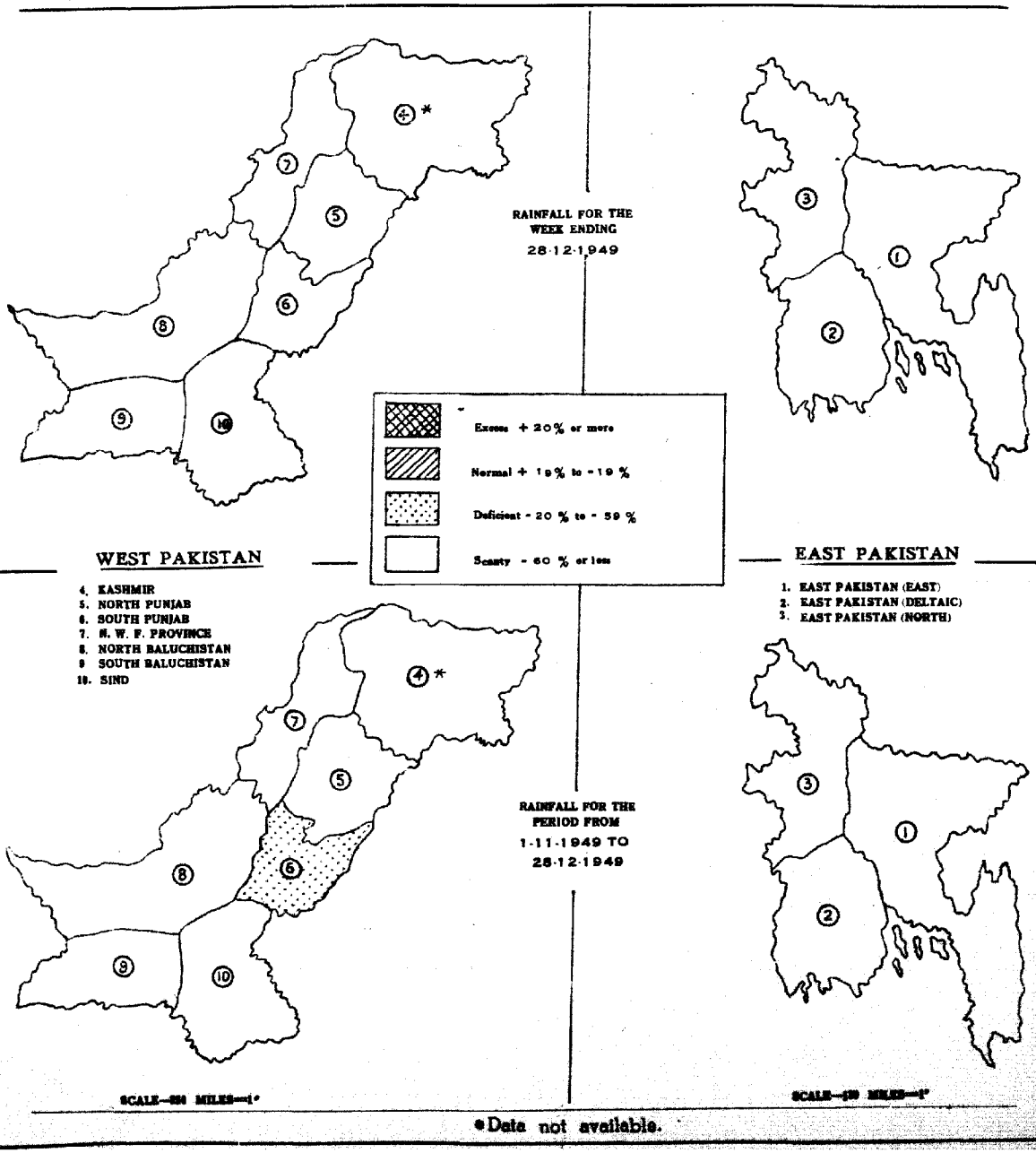
WEEKLY WEATHER REPORT

Division	Rainfall for week ending on 28th December 1949.			Rainfall for period from 1-11-49 to 28th December 1949.			
	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	0.3	1.9	- 1.7	- 87
2. East Pakistan (Deltaic)	0	0	0	0.3	1.5	- 1.1	- 78
3. East Pakistan (North)	0	0	0	0	0.7	- 0.7	-100
4. Kashmir †	....	....	....	....	....	....	...
5. North West Punjab	0	0.2	- 0.2	0	0.7	- 0.7	- 97
6. South West Punjab	0	0	0	0.1	0.2	- 0.1	- 35
7. N. W. F. P.	0	0.2	- 0.2	0.1	0.7	- 0.6	- 85
8. North Baluchistan	0	0 2	- 0.2	0.1	1.0	- 0 8	- 84
9. South Baluchistan	0	0.2	- 0.2	0	0.8	- 0.8	- 98
10. Sind	0	0.2	- 0.2	0.1	0.3	- 0.3	- 87
11. Junagadh †	...	....	....	...	....		...

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

† Data not available.

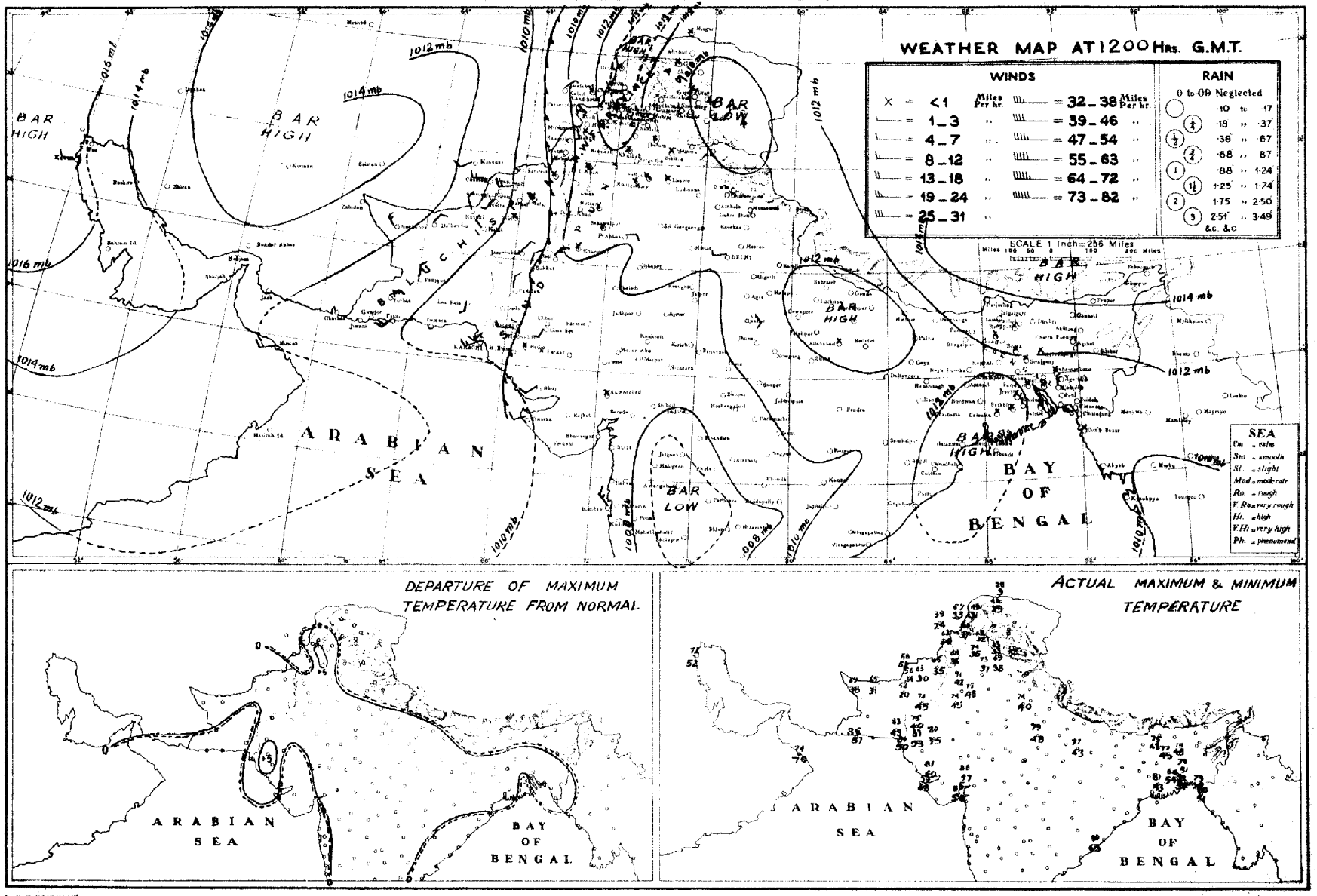
†† Rainfall of stations having no normals is not included.



* Data not available.

PAKISTAN DAILY WEATHER REPORT

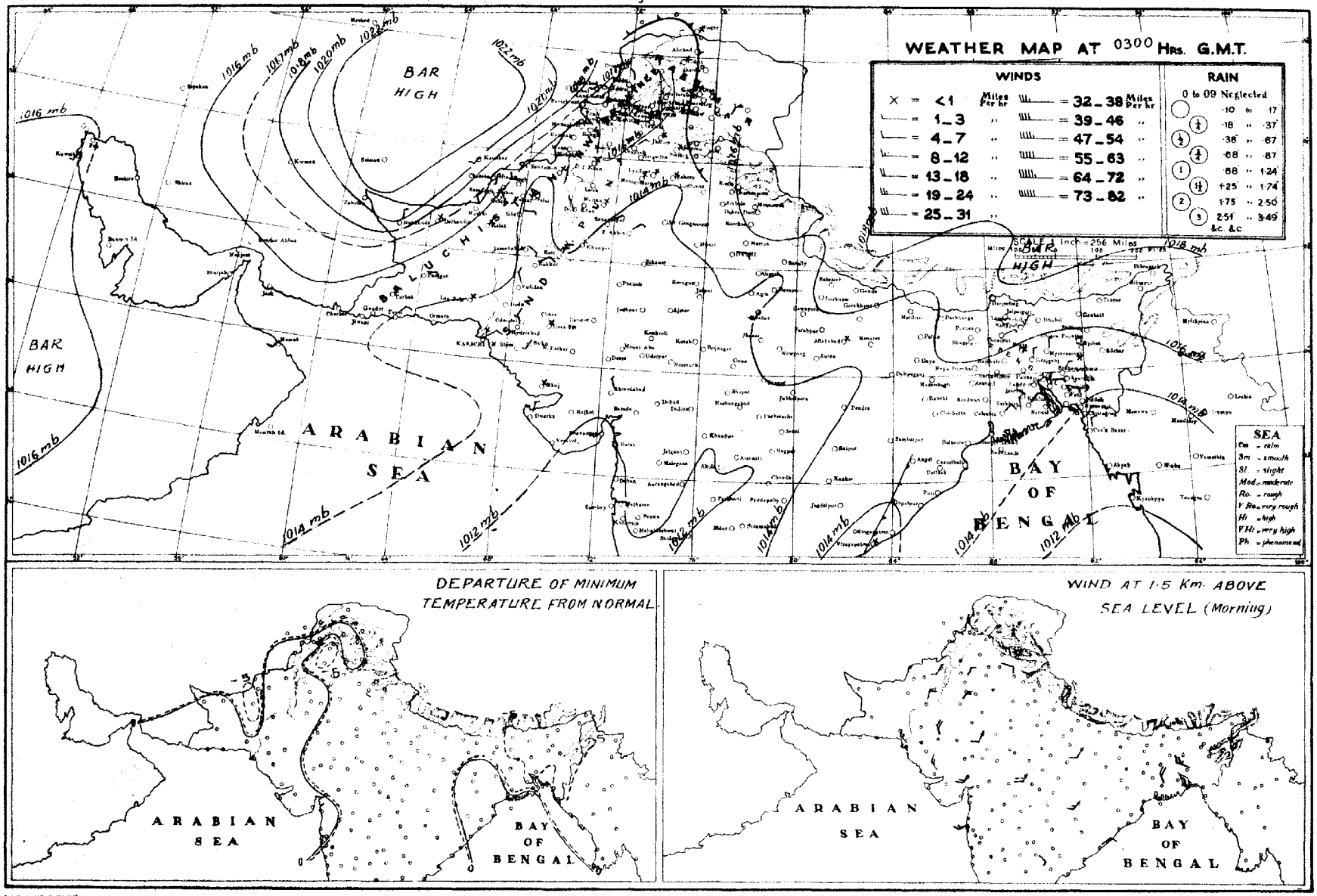
WEDNESDAY 21st DECEMBER 1949



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

PAKISTAN DAILY WEATHER REPORT

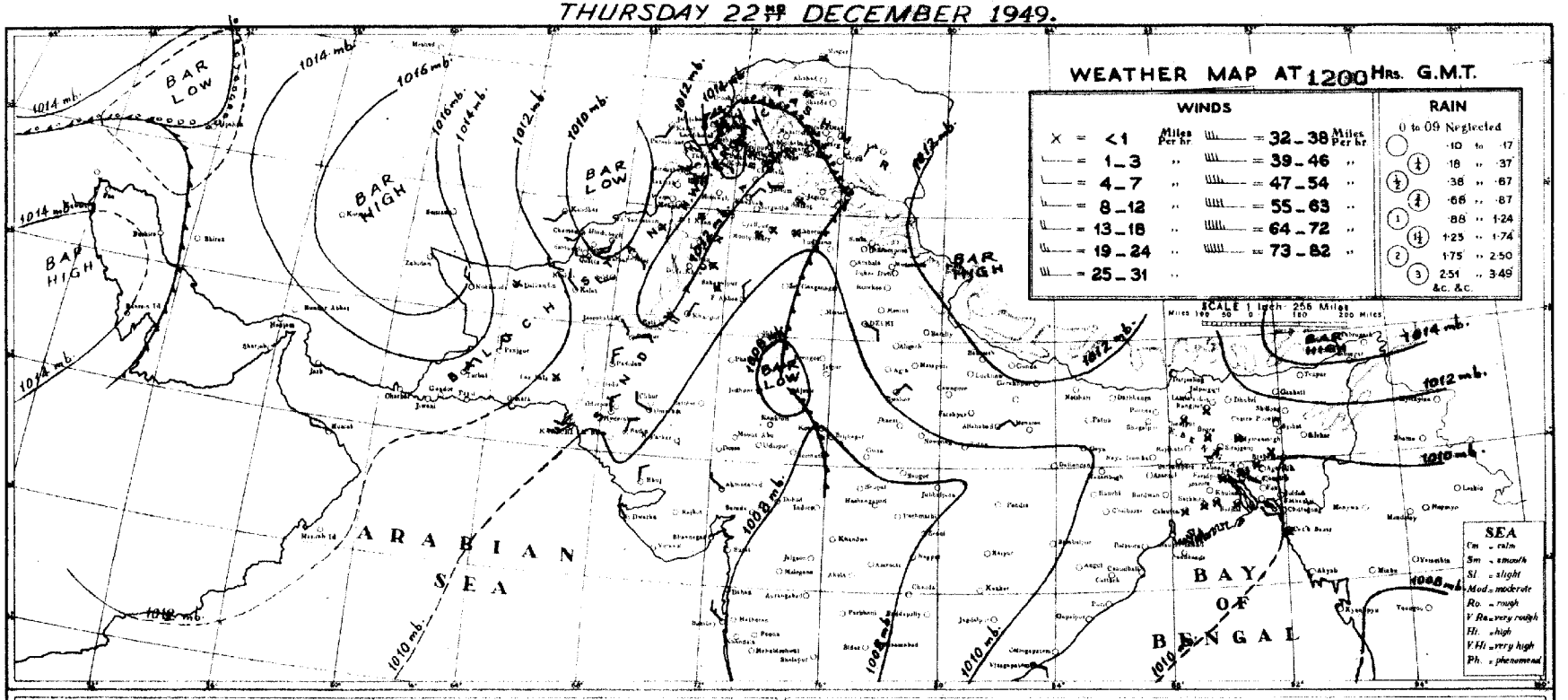
THURSDAY 22ND DECEMBER 1949

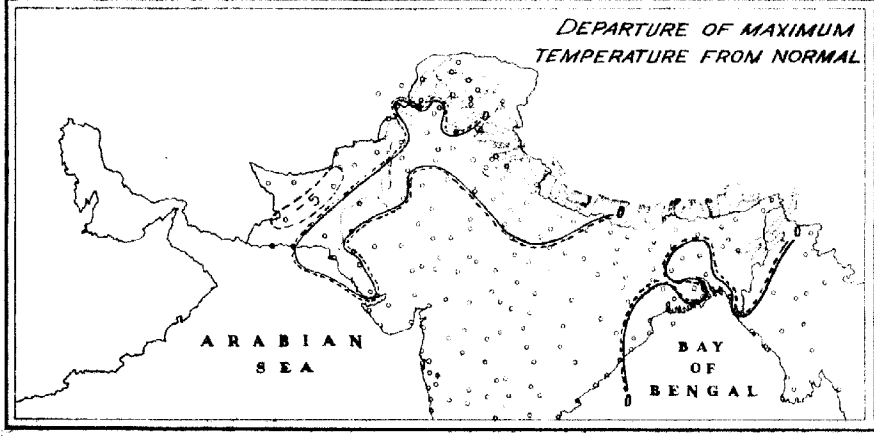


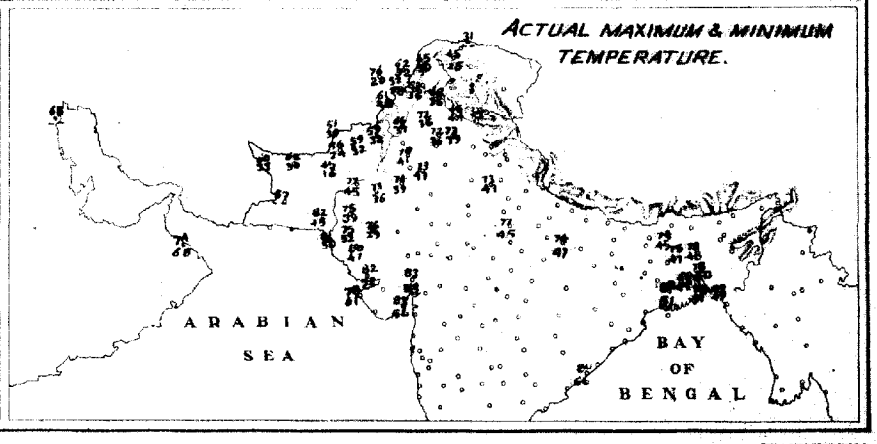
Rainfall amounts indicated in the above chart refer to past 24 hours.

PAKISTAN DAILY WEATHER REPORT

THURSDAY 22nd DECEMBER 1949.



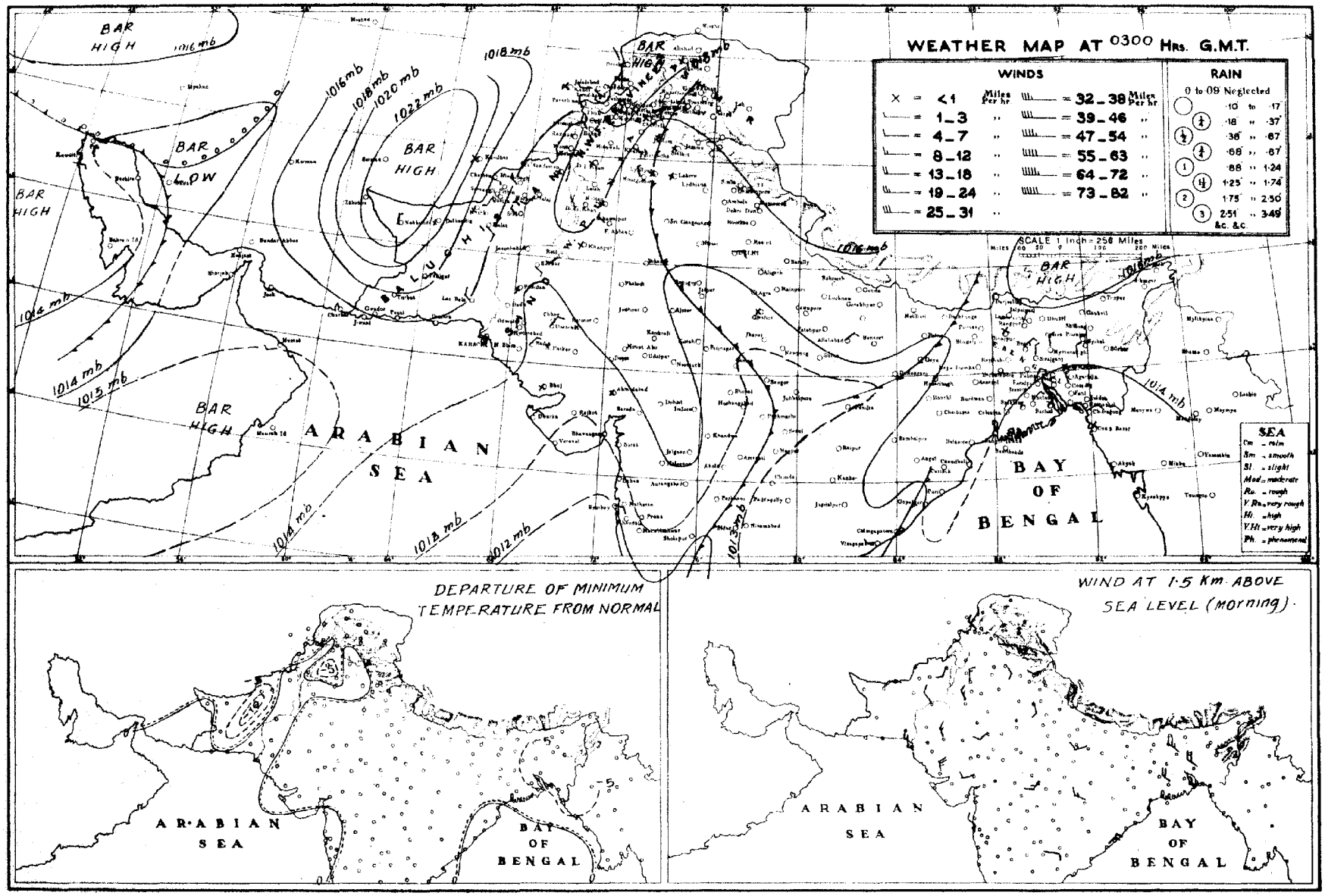




Rainfall amounts indicated in the above chart refer to past 9 hours.

PAKISTAN DAILY WEATHER REPORT

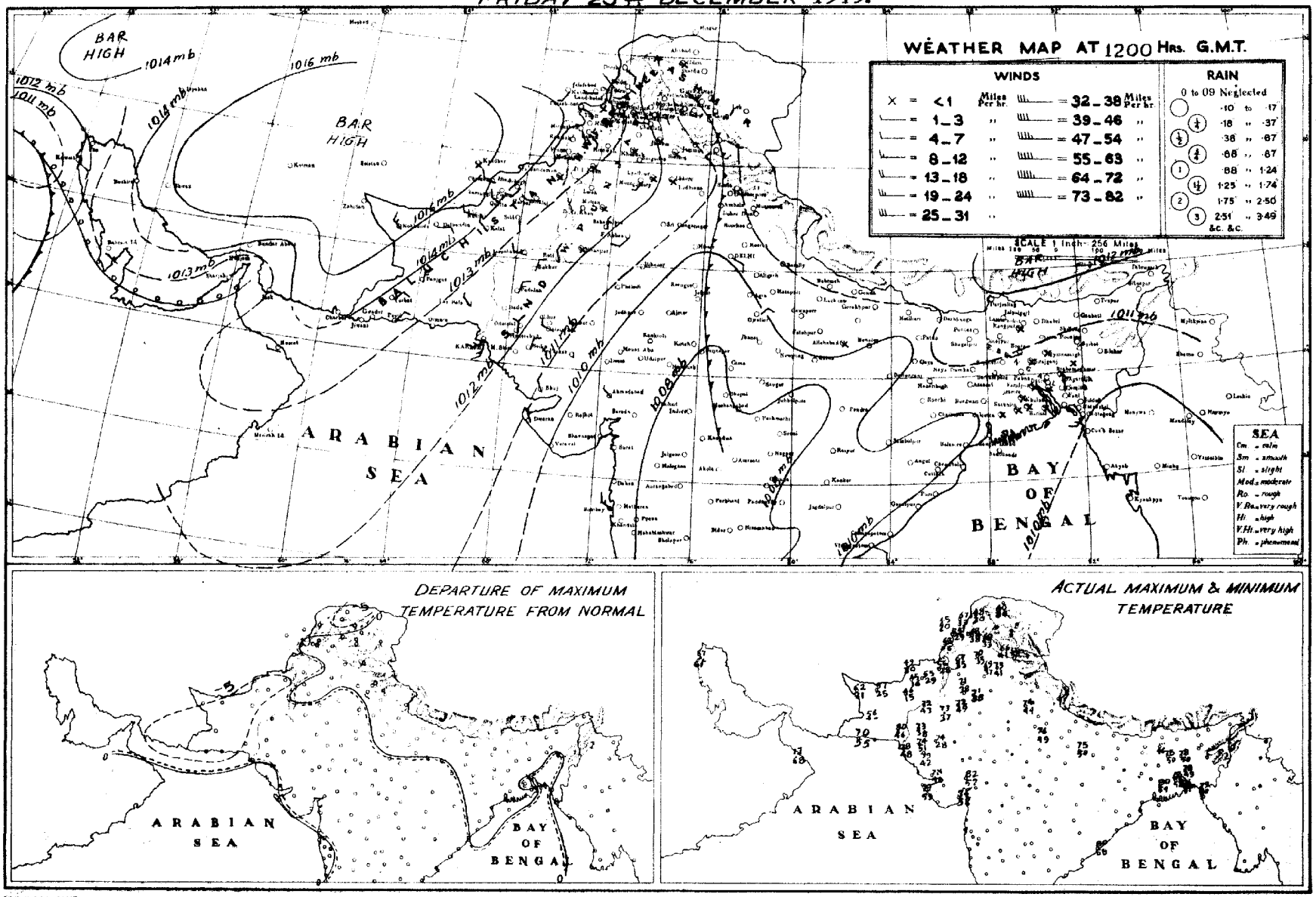
FRIDAY 23RD DECEMBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

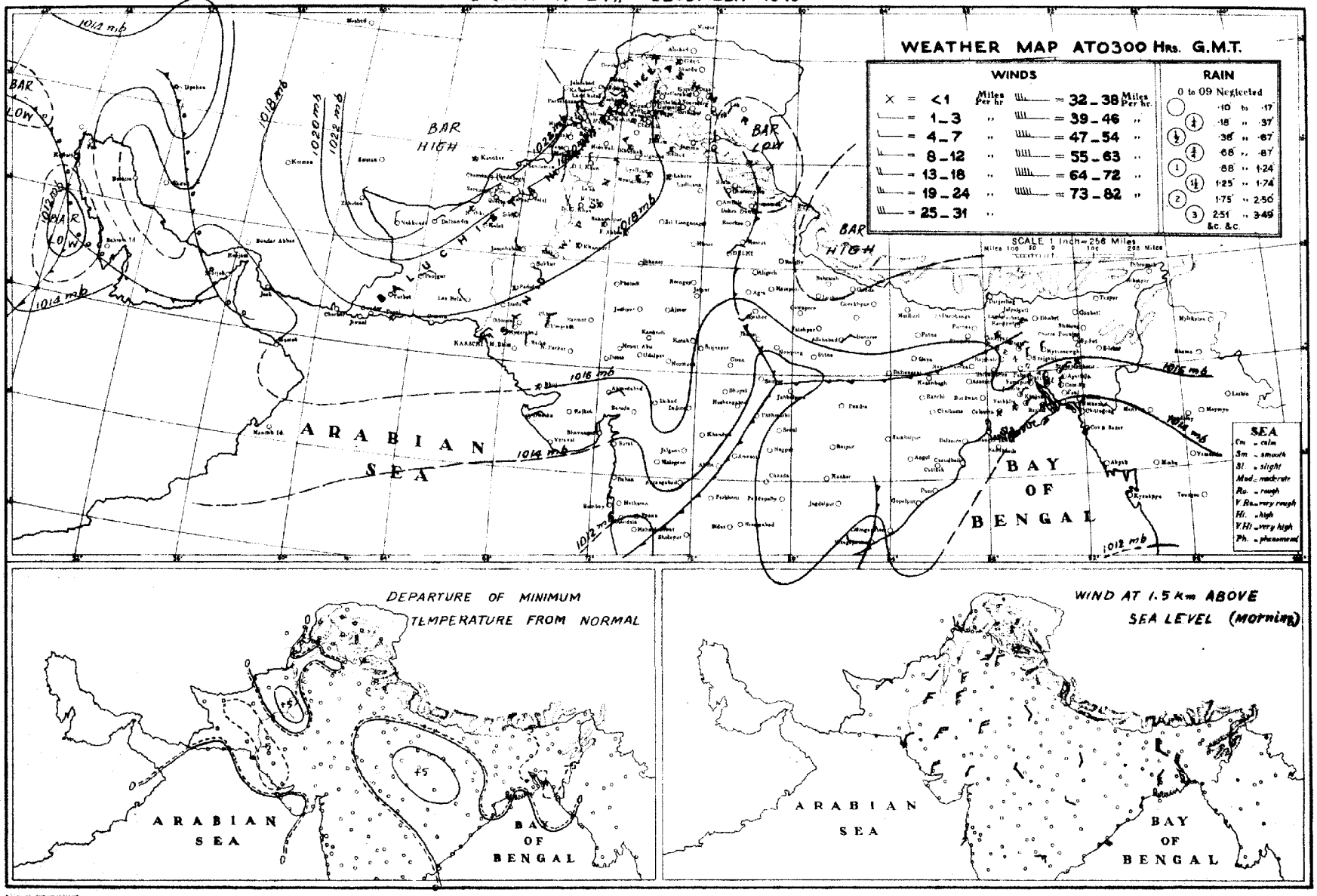
FRIDAY 23RD DECEMBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

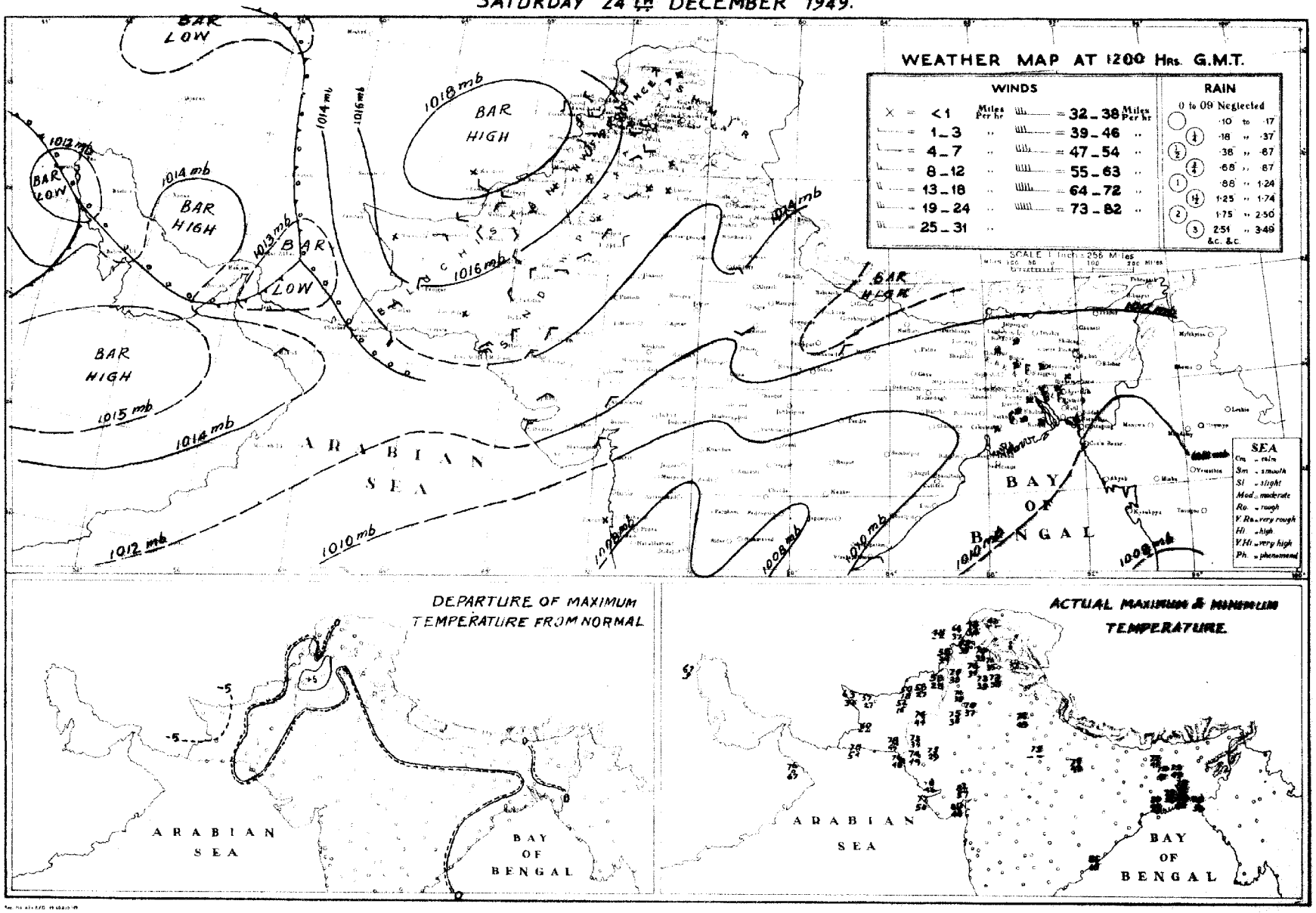
SATURDAY 24TH DECEMBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

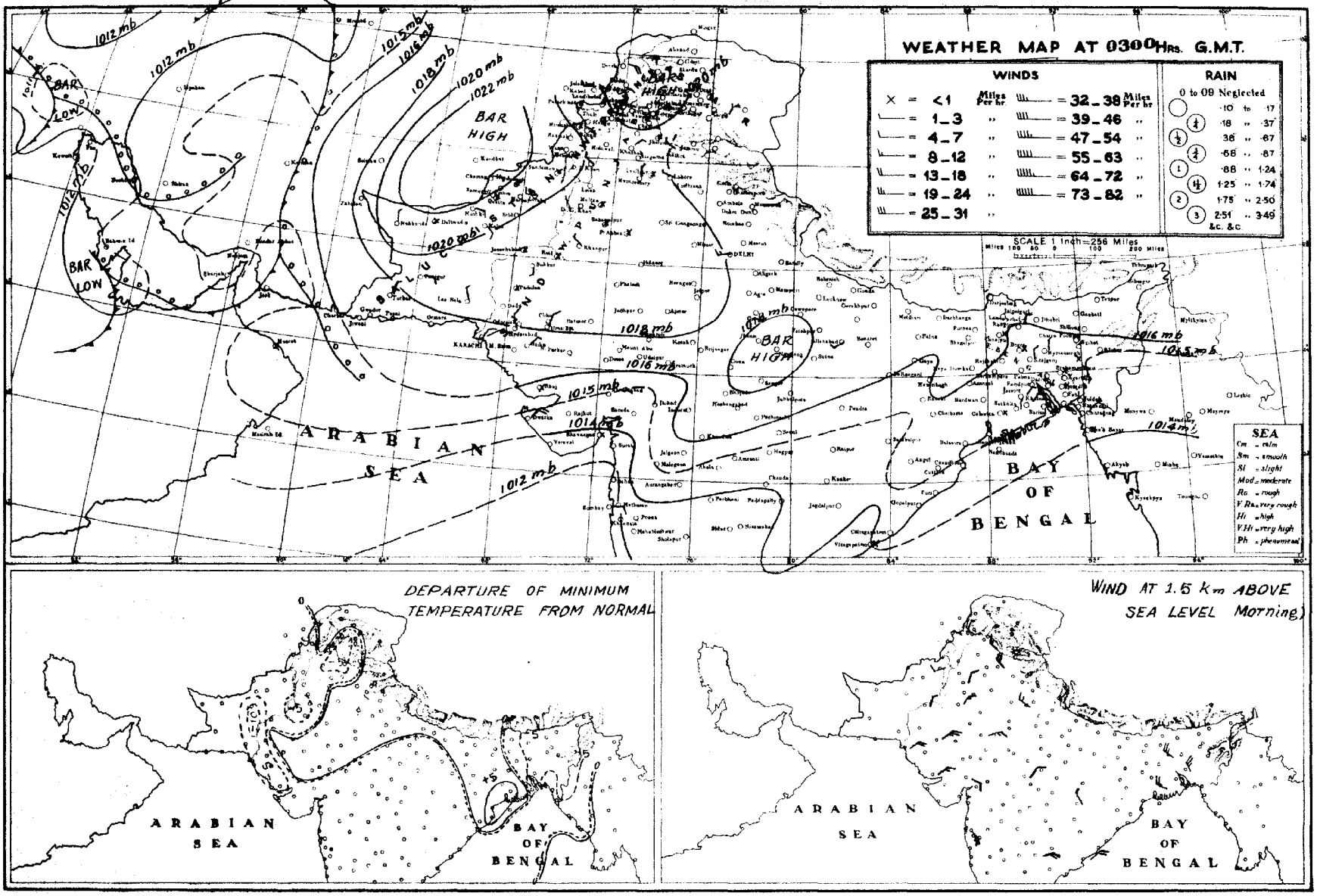
SATURDAY 24TH DECEMBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

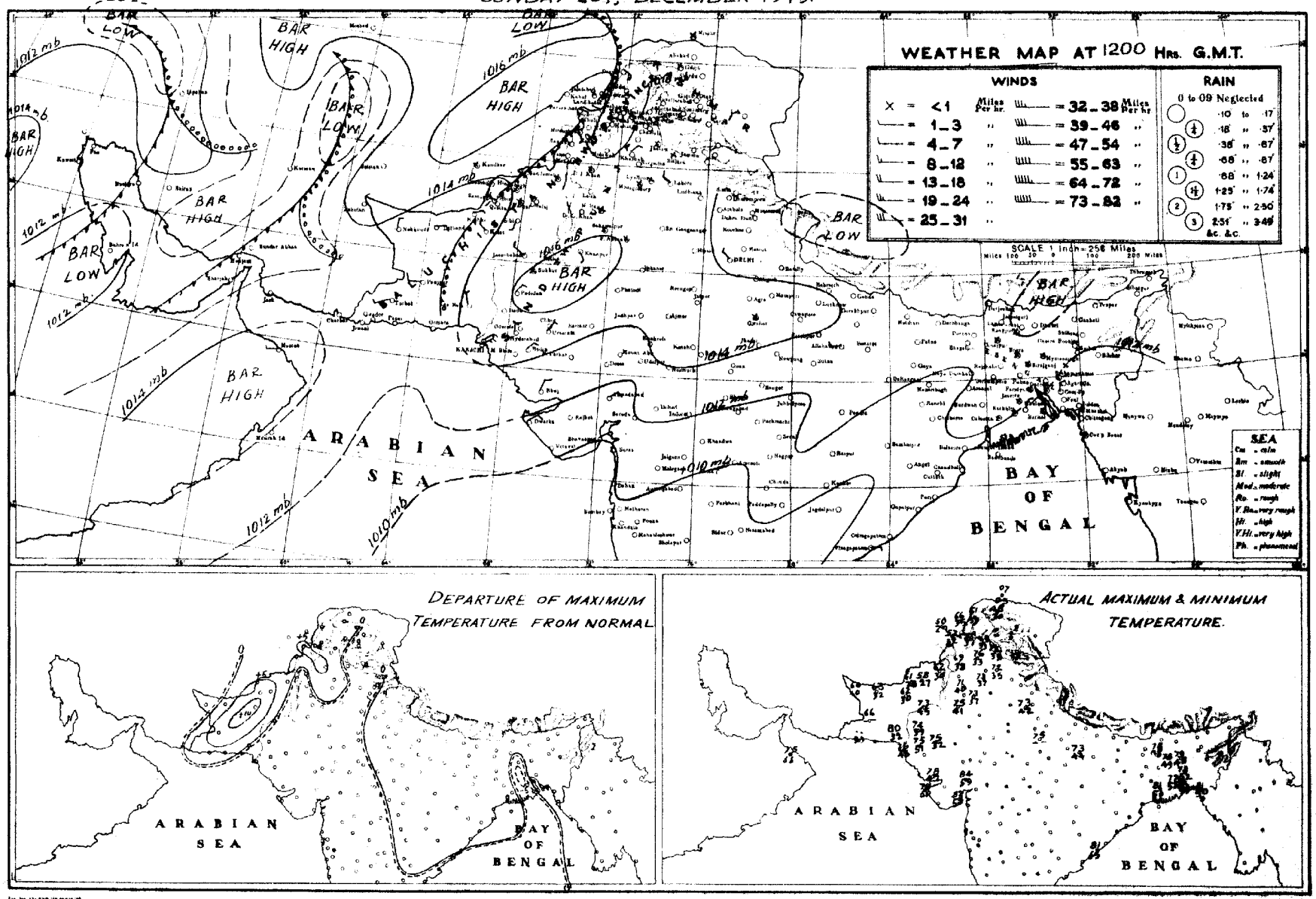
SUNDAY 25th DECEMBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

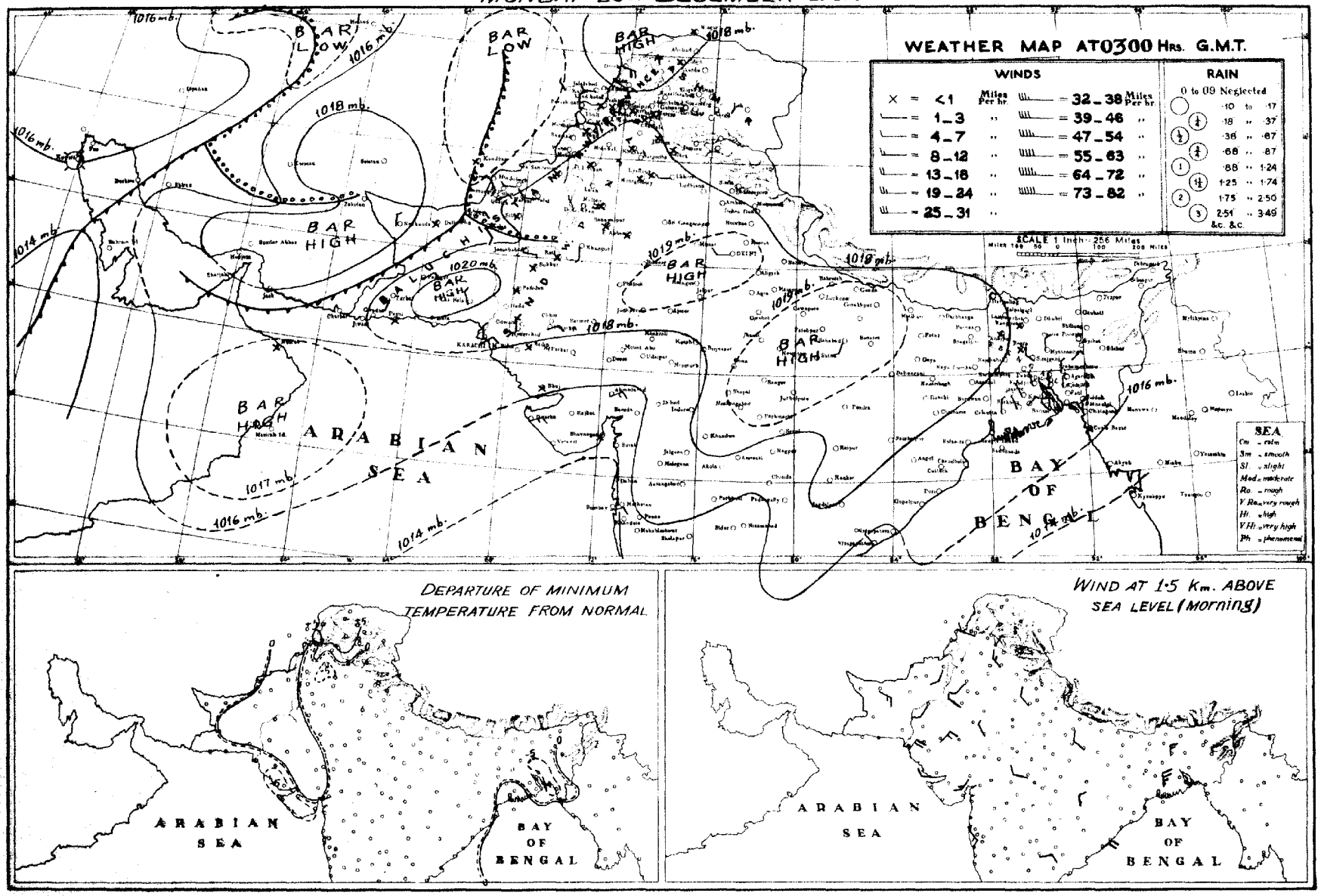
SUNDAY 25TH DECEMBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

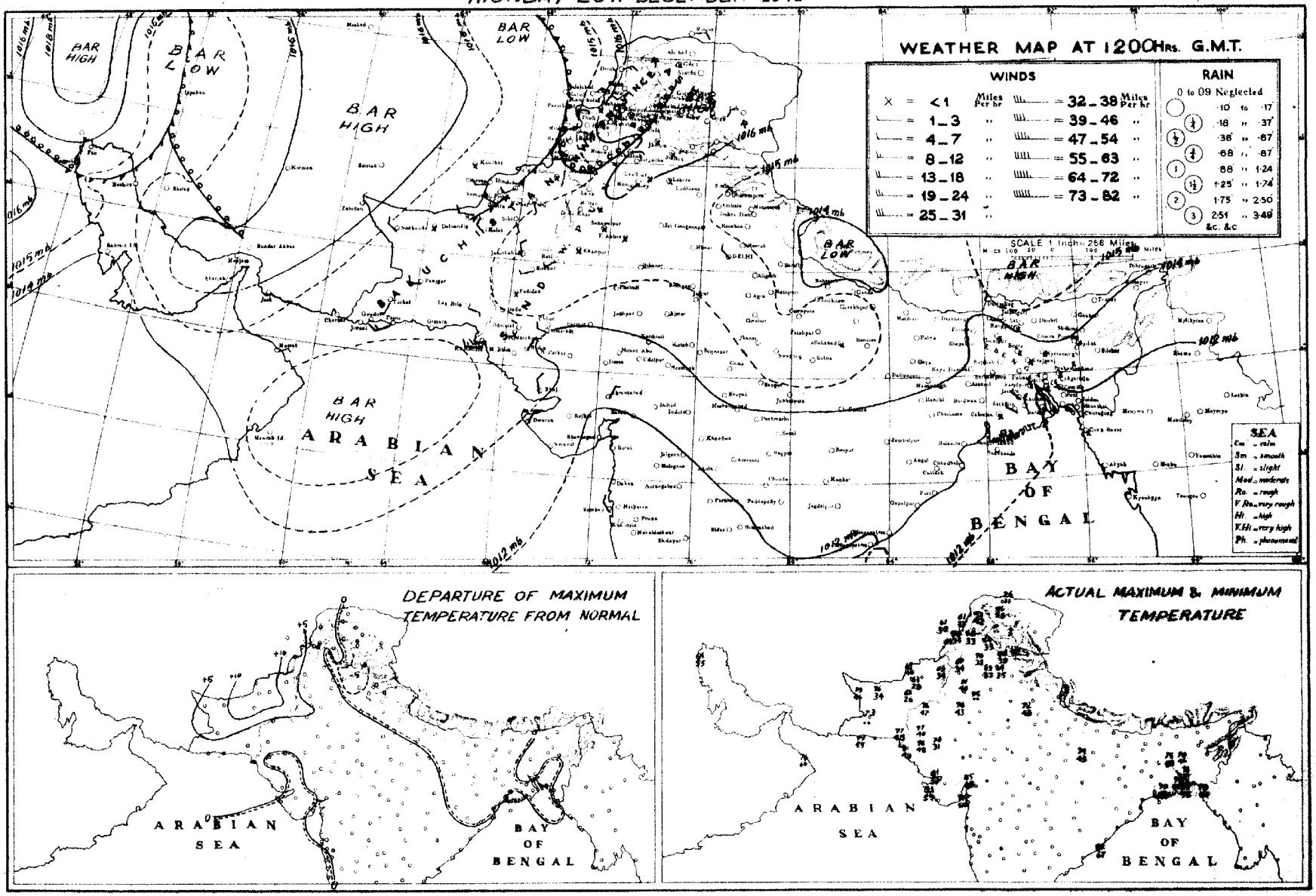
MONDAY 26TH DECEMBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

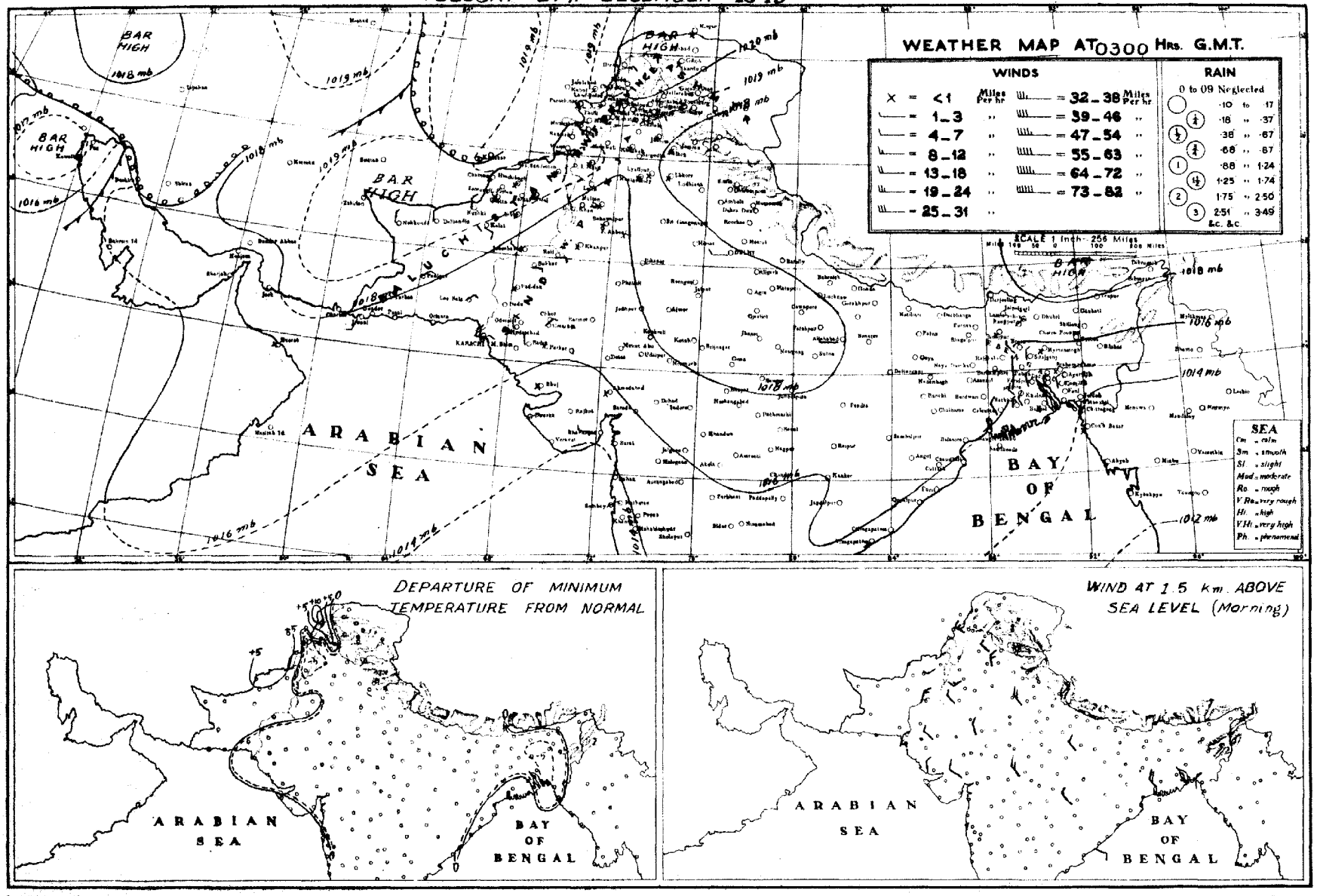
MONDAY 26th DECEMBER 1949.



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

PAKISTAN DAILY WEATHER REPORT

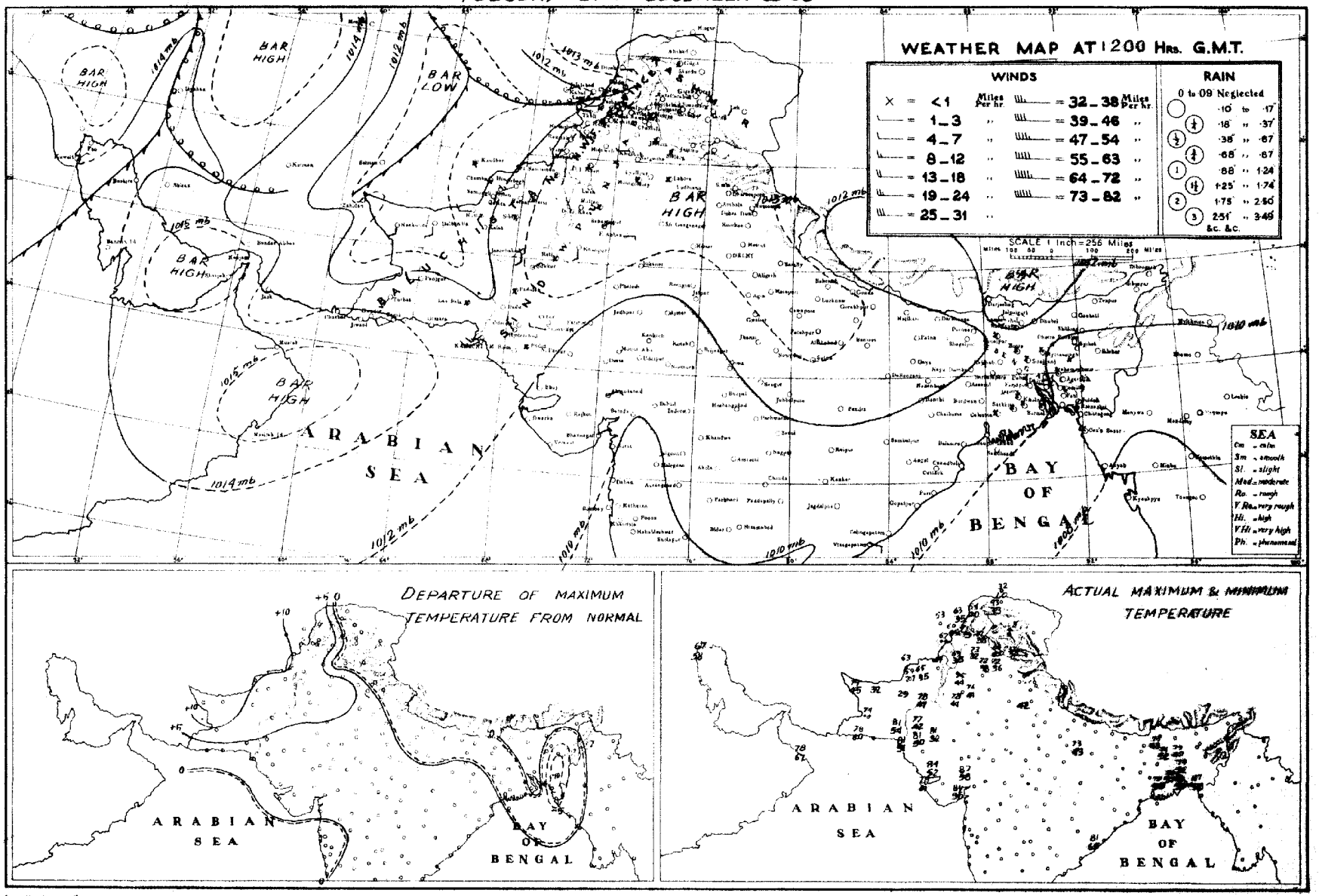
TUESDAY 27TH DECEMBER 1949



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

PAKISTAN DAILY WEATHER REPORT

TUESDAY 27th DECEMBER 1949



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

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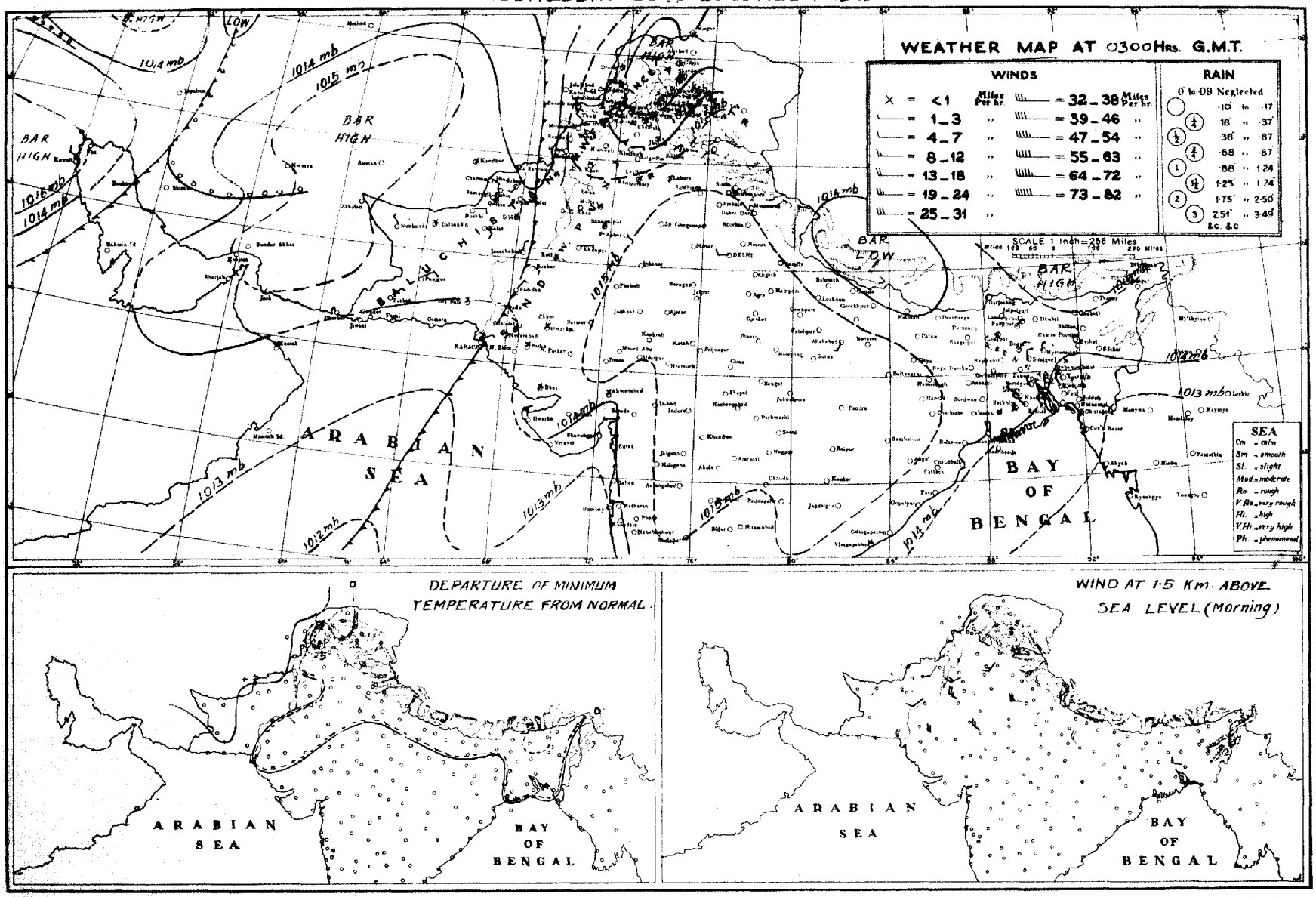
PAKISTAN DAILY WEATHER REPORT

WEDNESDAY 28TH DECEMBER 1949



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