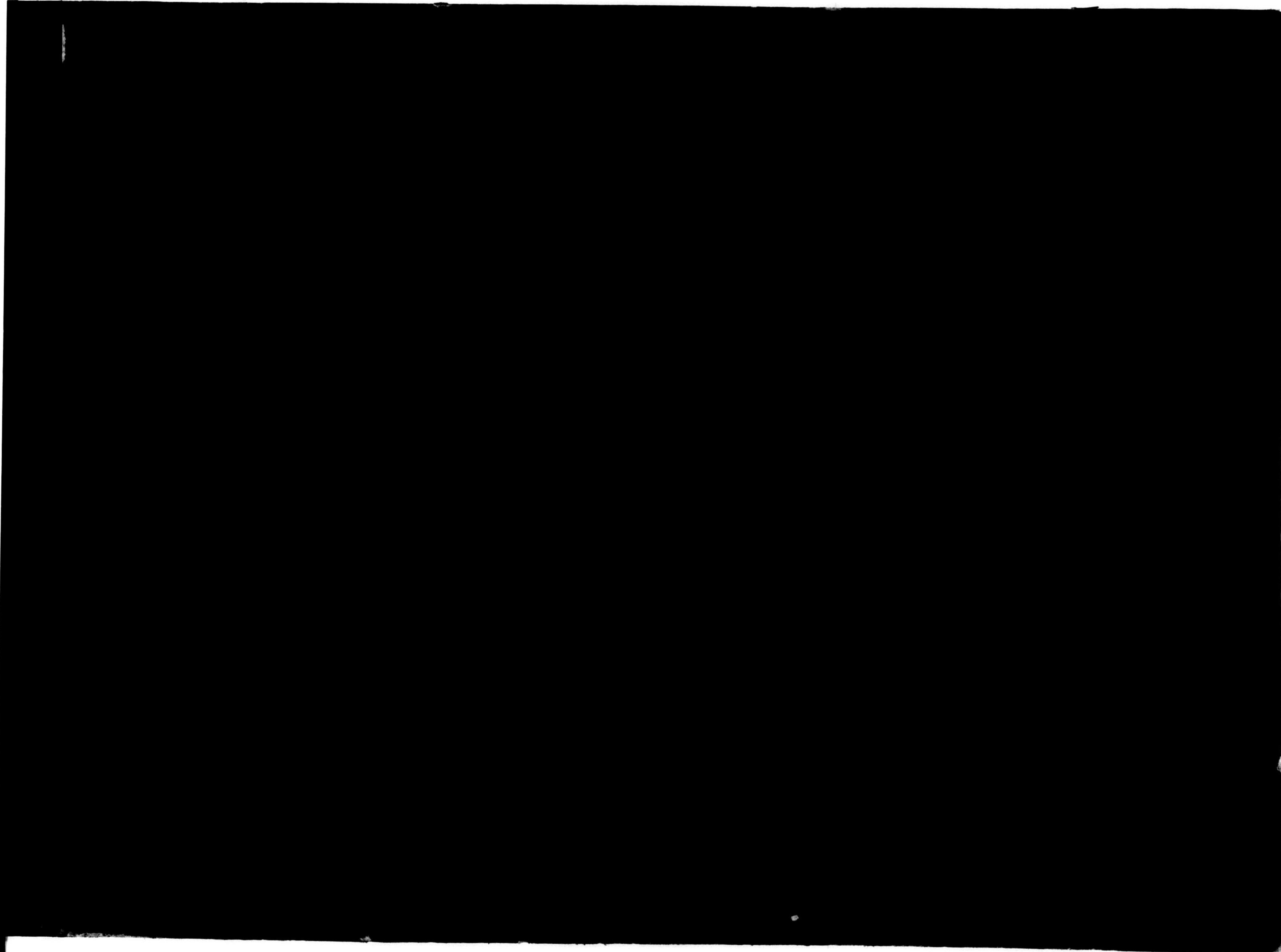


0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99





北太平洋天氣圖

大正十四年九月

神戶

海天氣象臺

DAILY WEATHER CHARTS

OF THE

NORTH PACIFIC OCEAN.

SEPTEMBER

1925



THE IMPERIAL MARINE OBSERVATORY,

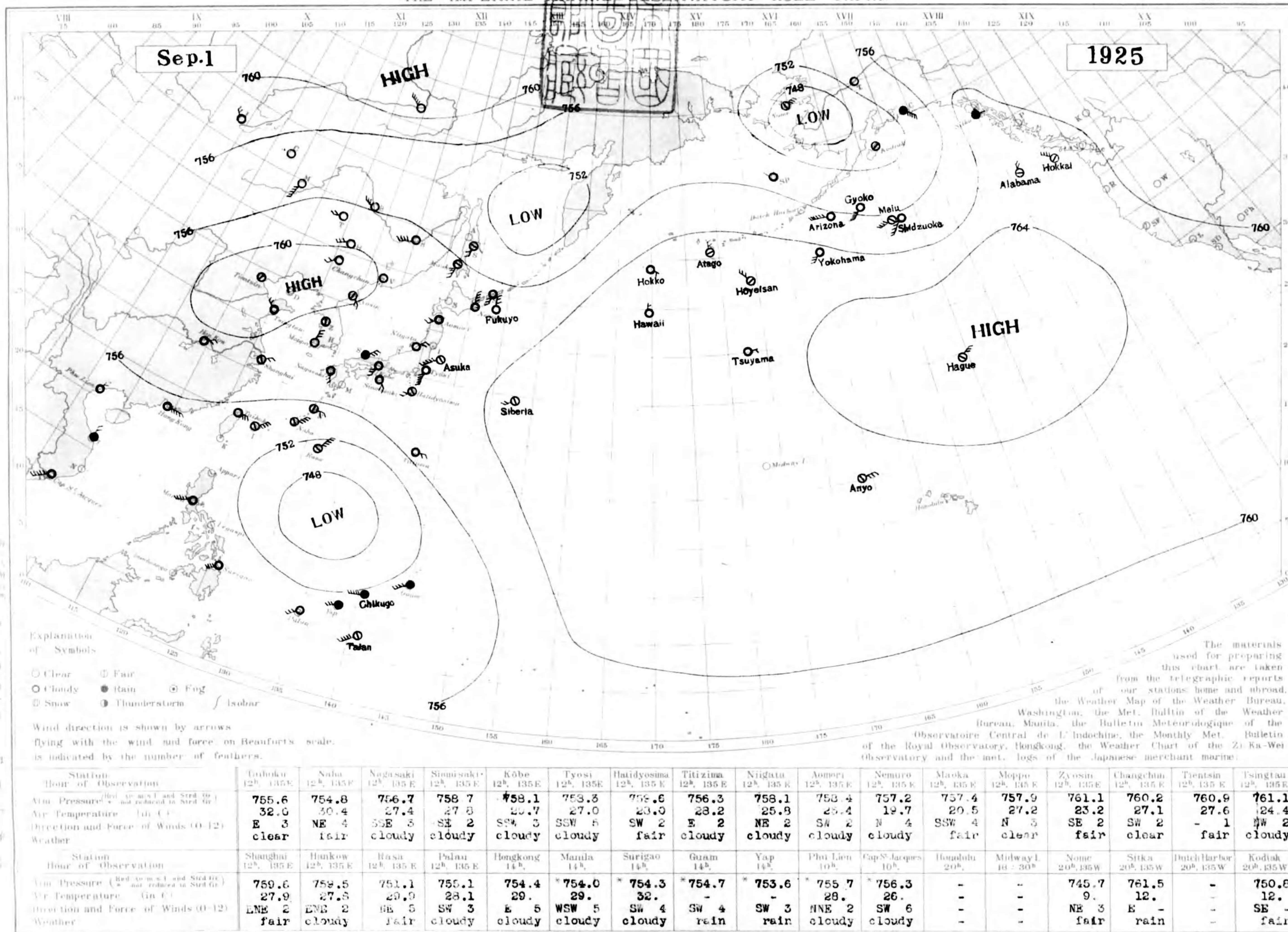
KOBE, JAPAN.



DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(North of the Equator 135° E.)
THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

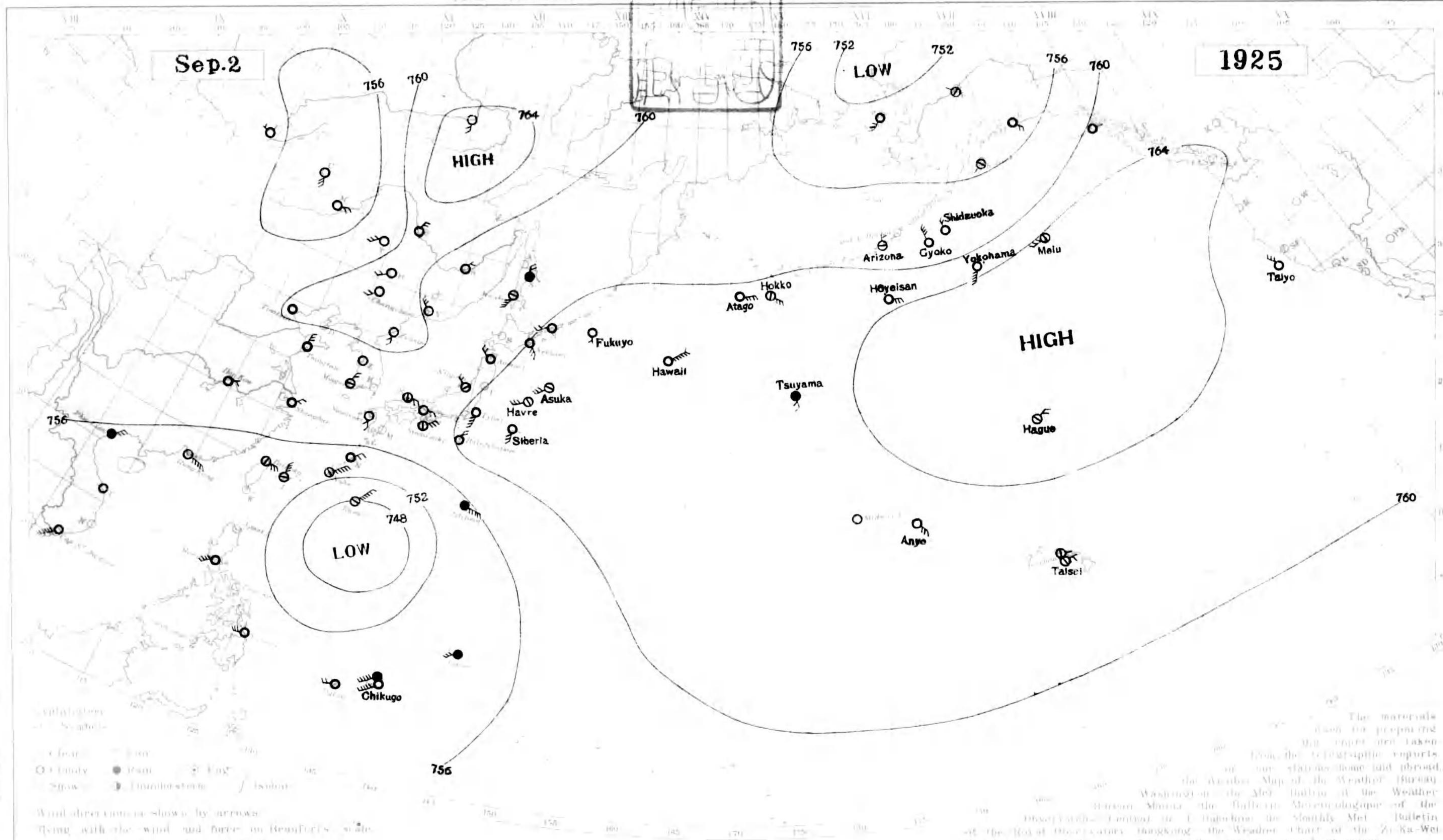
No 975



DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(From the meridian of 145° W.)
THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 976



Wind direction and force shown by arrows
Flying with the wind and force in Beaufort's scale
as indicated by the number of feathers.

The materials used in preparing this chart are taken from the telegraphic reports of our stations and from the Weather Map of the Weather Bureau, Washington, the Monthly Bulletin of the Weather Bureau, Manila, the Bulletin Meteorologique of the Meteorological Service of the Philippines, the Monthly Met. Bulletin of the Imperial Marine Observatory, and the reports of the Japanese merchant ships.

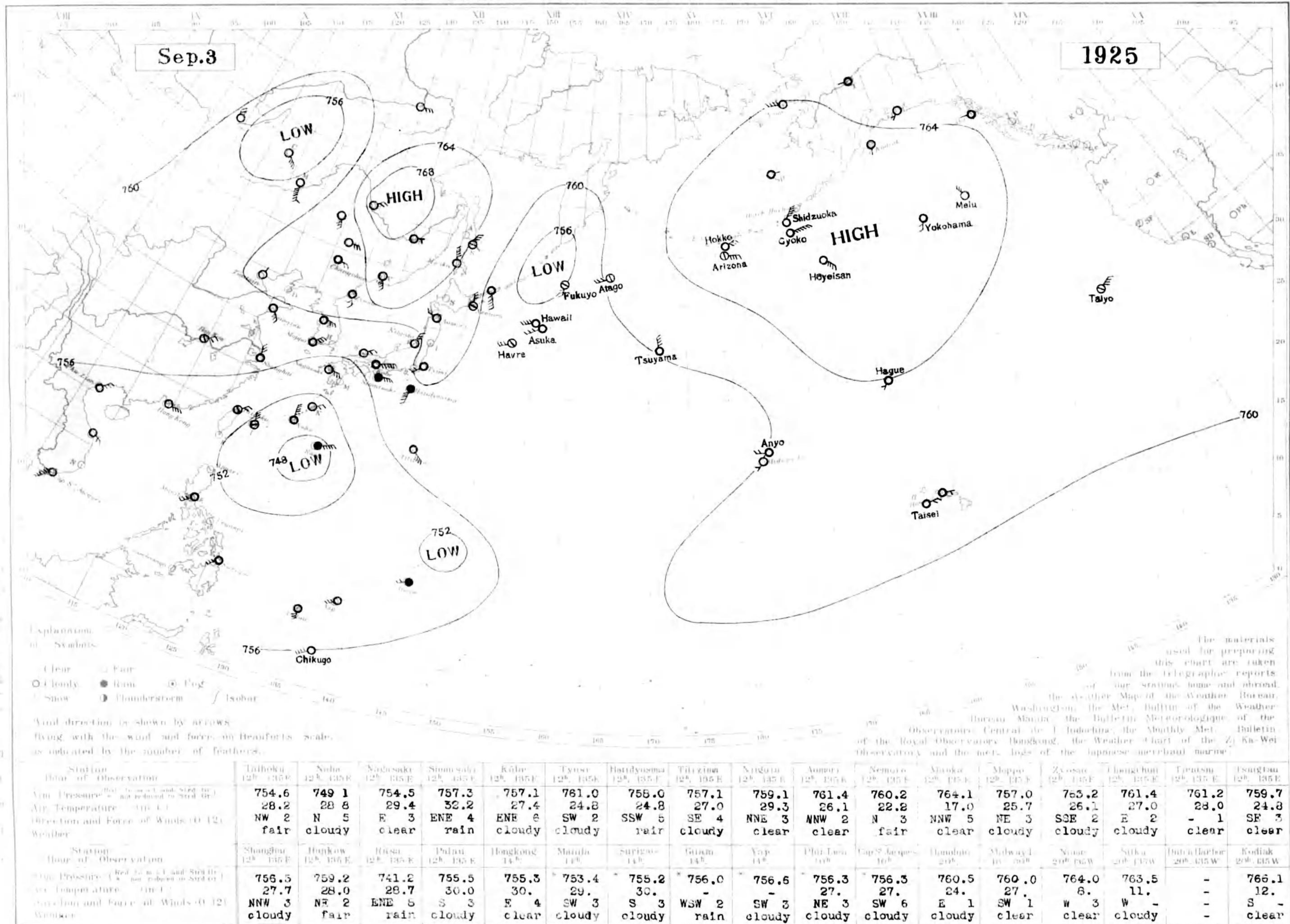
| Station Name of Observatory | Tokyo (125° 135 E) | Naha (125° 135 E) | Yokohama (139° 135 E) | Singapore (101° 135 E) | Hankow (114° 135 E) | Lyons (104° 135 E) | Batavia (101° 135 E) | Tientsin (117° 135 E) | Nagasaki (129° 135 E) | Amoy (117° 135 E) | Ningpo (121° 135 E) | Shanghai (121° 135 E) | Yokohama (139° 135 E) | Tientsin (117° 135 E) | Singapore (101° 135 E) | Lyons (104° 135 E) | Batavia (101° 135 E) | Tientsin (117° 135 E) | Singapore (101° 135 E) |
|-------------------------------------|--------------------|-------------------|-----------------------|------------------------|---------------------|--------------------|----------------------|-----------------------|-----------------------|-------------------|---------------------|-----------------------|-----------------------|-----------------------|------------------------|--------------------|----------------------|-----------------------|------------------------|
| Bar. Pressure (12" and 30" in) | 755.8 | 752.9 | 756.8 | 758.9 | 759.0 | 760.6 | 760.1 | 755.6 | 759.5 | 759.5 | 761.2 | 758.8 | 759.0 | 760.2 | 760.1 | 760.1 | 759.9 | 759.9 | 759.9 |
| Air Temperature (in °C) | 21.0 | 31.0 | 29.9 | 28.1 | 31.2 | 28.2 | 28.0 | 25.4 | 28.7 | 25.4 | 19.6 | 21.9 | 29.1 | 24.7 | 27.5 | 27.9 | 23.4 | 23.4 | 23.4 |
| Direction and Force of Winds (1-12) | E 3 | NE 5 | SSE 2 | NE 3 | E 2 | SSW 4 | NNE 2 | ESE 5 | NW 2 | NW 2 | SE 3 | SSW 4 | NNE 2 | S 2 | SW 2 | - 1 | N 3 | N 3 | N 3 |
| Weather | fair | fair | clear | fair | clear | cloudy | cloudy | rain | fair | cloudy | cloudy | fair | fair | clear | clear | cloudy | cloudy | cloudy | cloudy |

| Station Name of Observatory | Shanghai (121° 135 E) | Hankow (114° 135 E) | Hongkong (114° 135 E) | Manila (121° 135 E) | Singapore (101° 135 E) | Tientsin (117° 135 E) | Yokohama (139° 135 E) | Nagasaki (129° 135 E) | Amoy (117° 135 E) | Ningpo (121° 135 E) | Shanghai (121° 135 E) | Yokohama (139° 135 E) | Tientsin (117° 135 E) | Singapore (101° 135 E) | Lyons (104° 135 E) | Batavia (101° 135 E) | Tientsin (117° 135 E) | Singapore (101° 135 E) | |
|-------------------------------------|-----------------------|---------------------|-----------------------|---------------------|------------------------|-----------------------|-----------------------|-----------------------|-------------------|---------------------|-----------------------|-----------------------|-----------------------|------------------------|--------------------|----------------------|-----------------------|------------------------|-------|
| Bar. Pressure (12" and 30" in) | 753.8 | 759.2 | 748.0 | 750.3 | 755.6 | 754.7 | 754.6 | 755.4 | 755.1 | 755.9 | 755.6 | 761.5 | 761.5 | 752.8 | 760.0 | - | - | 755.4 | 755.4 |
| Air Temperature (in °C) | 27.9 | 28.7 | 29.9 | 29.7 | 29.2 | 28.2 | 30.0 | - | - | 24.0 | 26.0 | 26.0 | 26.0 | 7.0 | 12.0 | - | - | 13.0 | 13.0 |
| Direction and Force of Winds (1-12) | NE 2 | ENE 1 | NE 6 | WSW 2 | E 5 | SW 4 | WSW 3 | SW 3 | SW 5 | NE 3 | SW 6 | E 1 | calm | SW 4 | E - | - | - | SW - | SW - |
| Weather | cloudy | cloudy | fair | cloudy | clear | cloudy | cloudy | rain | rain | rain | cloudy | fair | clear | cloudy | cloudy | - | - | fair | fair |

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Name of the meridian of 135° E.)
THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 977



Explanation of Symbols

- Clear
- ◐ Fair
- ◑ Cloudy
- Rain
- ⊙ Fog
- ⊖ Snow
- ⚡ Thunderstorm
- Isobar

Wind direction is shown by arrows flying with the wind and force on Beaufort's scale as indicated by the number of feathers.

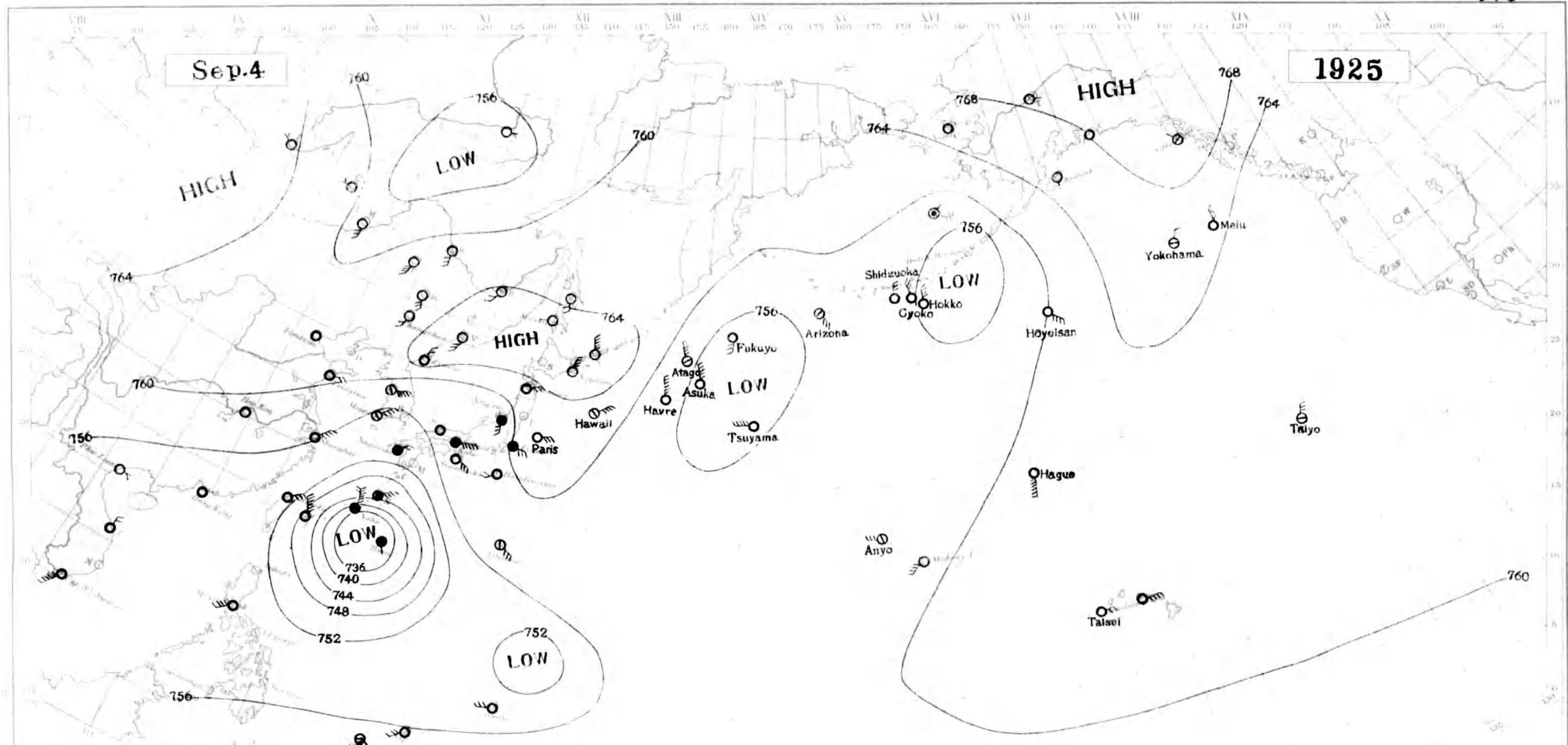
The materials used for preparing this chart are taken from the telegraphic reports of our stations home and abroad. The Weather Map of the Weather Bureau, Washington, the Met. Bulletin of the Weather Bureau, Manila, the Bulletin Meteorologique of the Observatoire Central de l'Indochine, the Monthly Met. Bulletin of the Royal Observatory, Hongkong, the Weather Chart of the Zi-Ka-Wei Observatory and the next logs of the Japanese merchant marine.

| Station | Taihoku 12° 135° E | Naha 12° 135° E | Nagasaki 12° 135° E | Shimonoseki 12° 135° E | Kobe 12° 135° E | Tyoko 12° 135° E | Hanayama 12° 135° E | Tsuzuma 12° 135° E | Niigata 12° 135° E | Aomori 12° 135° E | Nemuro 12° 135° E | Muska 12° 135° E | Mopu 12° 135° E | Zyosai 12° 135° E | Chungking 12° 135° E | Tientsin 12° 135° E | Tsingtau 12° 135° E |
|--|------------------------|----------------------|------------------------|---------------------------|--------------------|---------------------|------------------------|-----------------------|-----------------------|----------------------|------------------------|---------------------|-----------------------|----------------------|-------------------------|----------------------------|------------------------|
| Bar. of Observation | 754.6 | 749.1 | 754.5 | 757.3 | 757.1 | 761.0 | 758.0 | 757.1 | 759.1 | 761.4 | 760.2 | 764.1 | 757.0 | 763.2 | 761.4 | 761.2 | 759.7 |
| Air Pressure (Red to m. l. and Std. 01) (not reduced to Std. 01) | 28.2 | 28.8 | 29.4 | 32.2 | 27.4 | 24.8 | 24.8 | 27.0 | 29.3 | 26.1 | 22.2 | 17.0 | 25.7 | 26.1 | 27.0 | 28.0 | 24.8 |
| Air Temperature (m. l.) | NW 2 | N 5 | E 3 | ENE 4 | ENE e | SW 2 | SSW e | SE 4 | NNE 3 | NNW 2 | N 3 | NNW 5 | NE 3 | SSE 2 | E 2 | - 1 | SE 3 |
| Direction and Force of Winds (0-12) | fair | cloudy | clear | rain | cloudy | cloudy | rain | cloudy | clear | clear | fair | clear | cloudy | cloudy | cloudy | clear | clear |
| Weather | Shanghai 12° 135° E | Hankow 12° 135° E | Hsiao 12° 135° E | Peking 12° 135° E | Hongkong 14° | Manila 14° | Singapore 14° | Canton 14° | Yap 14° | Phil. Linn 14° | Cap. S. Jacques 14° | Hankow 14° | Midway I. 14° 200° | Niue 20° 135° W | Sitka 20° 135° W | Dutch Harbor 20° 135° W | Kodiak 20° 135° W |
| Bar. of Observation | 756.5 | 759.2 | 741.2 | 755.5 | 755.3 | 753.4 | 755.2 | 756.0 | 756.6 | 756.3 | 756.3 | 760.5 | 760.0 | 764.0 | 763.5 | - | 766.1 |
| Air Pressure (Red to m. l. and Std. 01) (not reduced to Std. 01) | 27.7 | 28.0 | 28.7 | 30.0 | 30. | 29. | 30. | - | - | 27. | 27. | 24. | 27. | 8. | 11. | - | 12. |
| Air Temperature (m. l.) | NNW 3 | NE 2 | ENE 5 | S 3 | E 4 | SW 3 | S 3 | WSW 2 | SW 3 | NE 3 | SW 6 | E 1 | SW 1 | W 3 | W - | - | S - |
| Direction and Force of Winds (0-12) | cloudy | fair | rain | cloudy | clear | cloudy | cloudy | rain | cloudy | cloudy | cloudy | cloudy | clear | clear | cloudy | - | clear |
| Weather | | | | | | | | | | | | | | | | | |

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(North of the meridian of 135° E.)
THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 978



Explanation of Symbols:
 ☉ Clear ☁ Fair
 ☁ Cloudy ● Rain ☁ Fog
 ❄ Snow ☁ Thunderstorm / Isobar

Wind direction is shown by arrow.
 (Wind with the wind and force on Beaufort's scale is indicated by the number of feathers.)

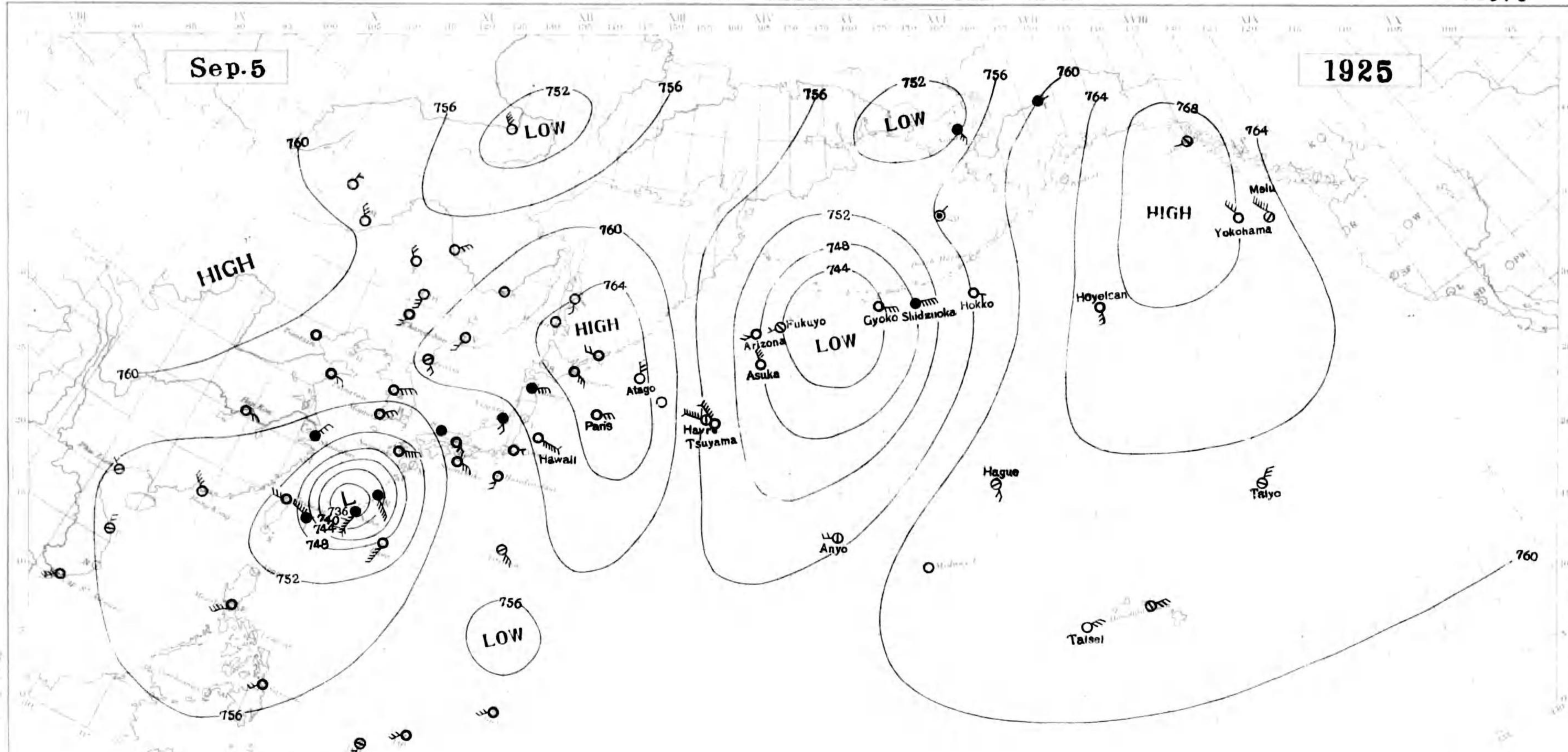
The methods used for preparing this chart are taken from the telegraphic reports of our stations here and abroad, the Weather Map of the Weather Bureau, Washington, the Met. Bulletin of the Weather Bureau, Manila, the Bulletin Météorologique of the Observatoire Central de l'Indochine, the Monthly Met. Bulletin of the Royal Observatory, Hongkong, the Weather Chart of the Zeika Wei Observatory and the met. logs of the Japanese merchant marine.

| Station Name of Observation | Elihuka 12° 13' N 155° 15' W | Naha 12° 13' N 130° 15' E | Nagasaki 12° 13' N 130° 15' E | Shimonoseki 12° 13' N 130° 15' E | Kobe 12° 13' N 130° 15' E | Tyosai 12° 13' N 130° 15' E | Hakodoma 12° 13' N 130° 15' E | Tokyo 12° 13' N 130° 15' E | Niigata 12° 13' N 130° 15' E | Aomori 12° 13' N 130° 15' E | Nemuro 12° 13' N 130° 15' E | Moroka 12° 13' N 130° 15' E | Moppe 12° 13' N 130° 15' E | Zyosai 12° 13' N 130° 15' E | Changchun 12° 13' N 130° 15' E | Tientsin 12° 13' N 130° 15' E | Shanghai 12° 13' N 130° 15' E |
|---|-------------------------------------|-----------------------------------|-------------------------------------|--|-------------------------------------|-----------------------------------|--------------------------------------|----------------------------------|------------------------------------|-------------------------------------|---|-------------------------------------|--------------------------------------|-----------------------------------|--------------------------------------|---|-------------------------------------|
| Bar. Pressure (at sea level to 30.1 in) | 752.6 | 736.9 | 754.2 | 757.2 | 756.7 | 760.9 | 759.6 | 757.6 | 759.5 | 763.7 | 765.4 | 767.6 | 755.9 | 765.5 | 762.3 | 761.9 | 760.1 |
| Air Temperature (in F) | 26.6 | 25.4 | 27.2 | 26.1 | 27.6 | 22.9 | 27.3 | 23.0 | 25.4 | 23.4 | 18.3 | 17.4 | 29.7 | 23.0 | 23.1 | 20.3 | 26.4 |
| Direction and Force of Winds (0-12) | NW 3 | N 3 | NE 2 | ESE 3 | ENE 3 | E 3 | SW 2 | ESE 3 | SSE 3 | ENE 3 | N 4 | W - | NE 4 | HNE 2 | SSW 2 | - 1 | ENE 2 |
| Weather | cloudy | rain | rain | cloudy | rain | rain | cloudy | fair | rain | cloudy | clear | clear | fair | cloudy | clear | cloudy | cloudy |
| Station Name of Observation | Shanghai 12° 13' N 130° 15' E | Hankow 12° 13' N 130° 15' E | Rangoon 12° 13' N 130° 15' E | Peking 12° 13' N 130° 15' E | Hongkong 14° 15' N 114° 15' E | Manila 14° 15' N 121° 15' E | Sourabaya 14° 15' N 114° 15' E | Guam 14° 15' N 144° 15' W | Yap 14° 15' N 144° 15' W | Phi Lien 10° 15' N 124° 15' W | Cape Jacques 10° 15' N 124° 15' W | Honolulu 20° 15' N 155° 15' W | Midway I. 18° 30' N 155° 15' W | Nauru 20° 15' N 169° 15' W | Soko 20° 15' N 169° 15' W | Dutch Harbor 20° 15' N 169° 15' W | Kodiak 20° 15' N 169° 15' W |
| Bar. Pressure (at sea level to 30.1 in) | 756.1 | 759.5 | 734.2 | 757.1 | 755.8 | 753.9 | - | 756.2 | 757.3 | 757.0 | 757.3 | 761.5 | 759.5 | 764.5 | 771.6 | - | 766.1 |
| Air Temperature (in F) | 27.9 | 28.6 | 26.4 | 30.4 | 30. | 30. | - | - | - | 30. | 26. | 24. | 27. | 8. | 12. | - | 12. |
| Direction and Force of Winds (0-12) | NE 4 | - 1 | SSE - | S 3 | calm | SW 4 | - | W 3 | SW 3 | E 1 | SW 6 | E 4 | SW 4 | SE 1 | NW - | - | S - |
| Weather | cloudy | clear | rain | fair | cloudy | cloudy | - | cloudy | cloudy | clear | cloudy | cloudy | clear | cloudy | fair | - | clear |

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Along of the meridian of 135° E.)
THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 979



Explanation of Symbols

- ☉ Clear
- ☁ Cloudy
- ☂ Rain
- ☁ Fog
- ☁ Snow
- ☁ Thunderstorm
- Isobar

Wind direction is shown by arrows flying with the wind and force in Beaufort's scale as indicated by the number of feathers.

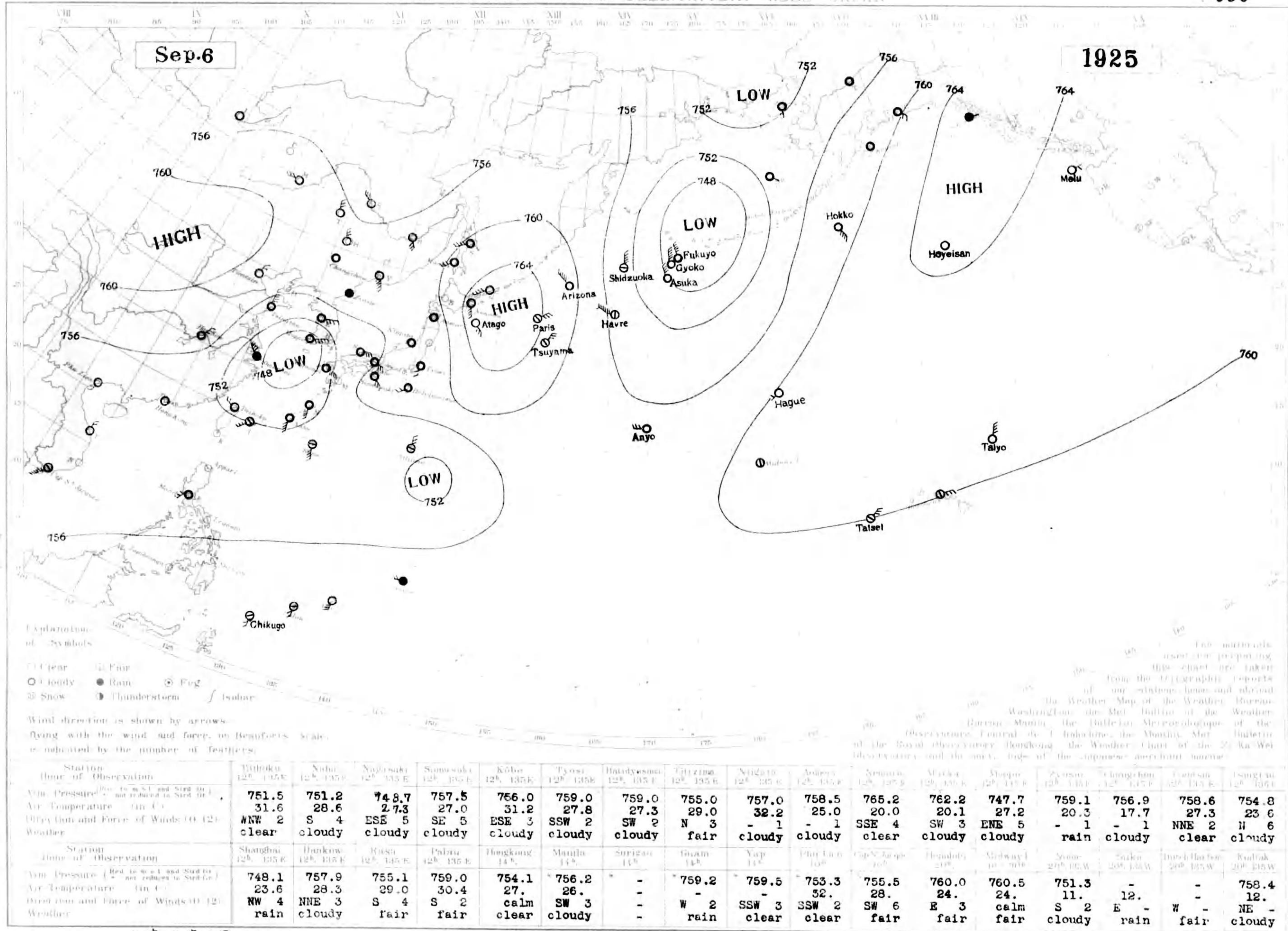
The materials used for preparing this chart are taken from the telegraphic reports of our stations here and abroad, the Weather Map of the Weather Bureau, Washington, the Met. Bulletin of the Weather Bureau, Manila, the Bulletin Meteorologique of the Observatoire Central de l'Indochine, the Monthly Met. Bulletin of the Imperial Observatory, Hongkong, the Weather Chart of the Zi-Ko-Wai Observatory and the met. logs of the Japanese merchant marine.

| Station | Yokohama (35° 30' N, 139° 45' E) | Saigo (32° 15' N, 140° 15' E) | Yokosuka (35° 15' N, 139° 45' E) | Saigo (32° 15' N, 140° 15' E) | Kobe (34° 45' N, 135° E) | Yokohama (35° 30' N, 139° 45' E) | Hiroshima (34° 30' N, 132° 30' E) | Tokyo (35° 45' N, 139° 45' E) | Hankow (35° 55' N, 113° 35' E) | Manila (14° 30' N, 121° 00' E) | Sourabaya (7° 30' S, 111° 30' E) | Guan (14° 30' N, 121° 00' E) | Yap (13° 30' N, 124° 00' E) | Chu Tien (10° 30' N, 115° 00' E) | Manila (14° 30' N, 121° 00' E) | Shanghai (31° 10' N, 121° 30' E) | Hankow (35° 55' N, 113° 35' E) | Rangoon (16° 45' N, 96° 10' E) | Peking (39° 55' N, 116° 25' E) | Tientsin (39° 05' N, 117° 10' E) | Tsingtau (37° 05' N, 121° 05' E) |
|---|----------------------------------|--------------------------------|----------------------------------|--------------------------------|----------------------------------|----------------------------------|-----------------------------------|-------------------------------|--------------------------------|----------------------------------|----------------------------------|----------------------------------|--------------------------------|----------------------------------|--------------------------------|----------------------------------|----------------------------------|--------------------------------|--------------------------------|----------------------------------|----------------------------------|
| Atm. Pressure (at sea level and station) | 751.1 | 733.8 | 750.4 | 757.4 | 756.7 | 759.2 | 758.7 | 757.3 | 757.3 | 760.8 | 766.3 | 765.3 | 753.3 | 762.5 | 758.0 | 759.5 | 757.4 | | | | |
| Air Temperature (at 1 m. above sea level) | 26.6 | 26.0 | 23.3 | 23.1 | 30.5 | 23.6 | 27.6 | 28.5 | 26.0 | 17.8 | 16.2 | 18.4 | 23.6 | 23.1 | 27.3 | 24.6 | 25.6 | | | | |
| Direction and Force of Winds (at 12) | W 3 | SSW 8 | ENE 5 | SE 3 | SE 2 | ENE 1 | SSW 2 | SE 3 | SSE 2 | ENE 4 | SE 3 | - 1 | NE 3 | SE 2 | SSW 2 | - 1 | - 1 | | | | |
| Weather | cloudy | rain | cloudy | cloudy | cloudy | cloudy | cloudy | fair | rain | rain | cloudy | clear | cloudy | fair | cloudy | cloudy | cloudy | | | | |
| Station | Shanghai (31° 10' N, 121° 30' E) | Hankow (35° 55' N, 113° 35' E) | Rangoon (16° 45' N, 96° 10' E) | Peking (39° 55' N, 116° 25' E) | Hongkong (22° 15' N, 114° 10' E) | Manila (14° 30' N, 121° 00' E) | Sourabaya (7° 30' S, 111° 30' E) | Guan (14° 30' N, 121° 00' E) | Yap (13° 30' N, 124° 00' E) | Chu Tien (10° 30' N, 115° 00' E) | Manila (14° 30' N, 121° 00' E) | Shanghai (31° 10' N, 121° 30' E) | Hankow (35° 55' N, 113° 35' E) | Rangoon (16° 45' N, 96° 10' E) | Peking (39° 55' N, 116° 25' E) | Tientsin (39° 05' N, 117° 10' E) | Tsingtau (37° 05' N, 121° 05' E) | | | | |
| Atm. Pressure (at sea level and station) | 751.0 | 757.7 | 749.7 | 757.3 | 752.9 | 754.2 | 756.5 | 757.4 | 758.0 | 756.3 | 758.3 | 761.0 | 761.0 | 751.3 | 760.6 | - | - | | | | |
| Air Temperature (at 1 m. above sea level) | 25.8 | 23.5 | 28.5 | 29.7 | 32. | 30. | 31. | - | 29. | 27. | 24. | 27. | 27. | 10. | 12. | - | - | | | | |
| Direction and Force of Winds (at 12) | NNE 3 | E 2 | SSW 5 | S 2 | NW 4 | SW 4 | SW 2 | SW 3 | SW 3 | NW 1 | SW 4 | E 3 | calm | SE 3 | W - | - | - | | | | |
| Weather | rain | cloudy | cloudy | fair | clear | cloudy | cloudy | cloudy | cloudy | fair | cloudy | fair | clear | rain | fair | - | - | | | | |

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(North of the meridian of 135° E.)
THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

980



日六廿九一四一

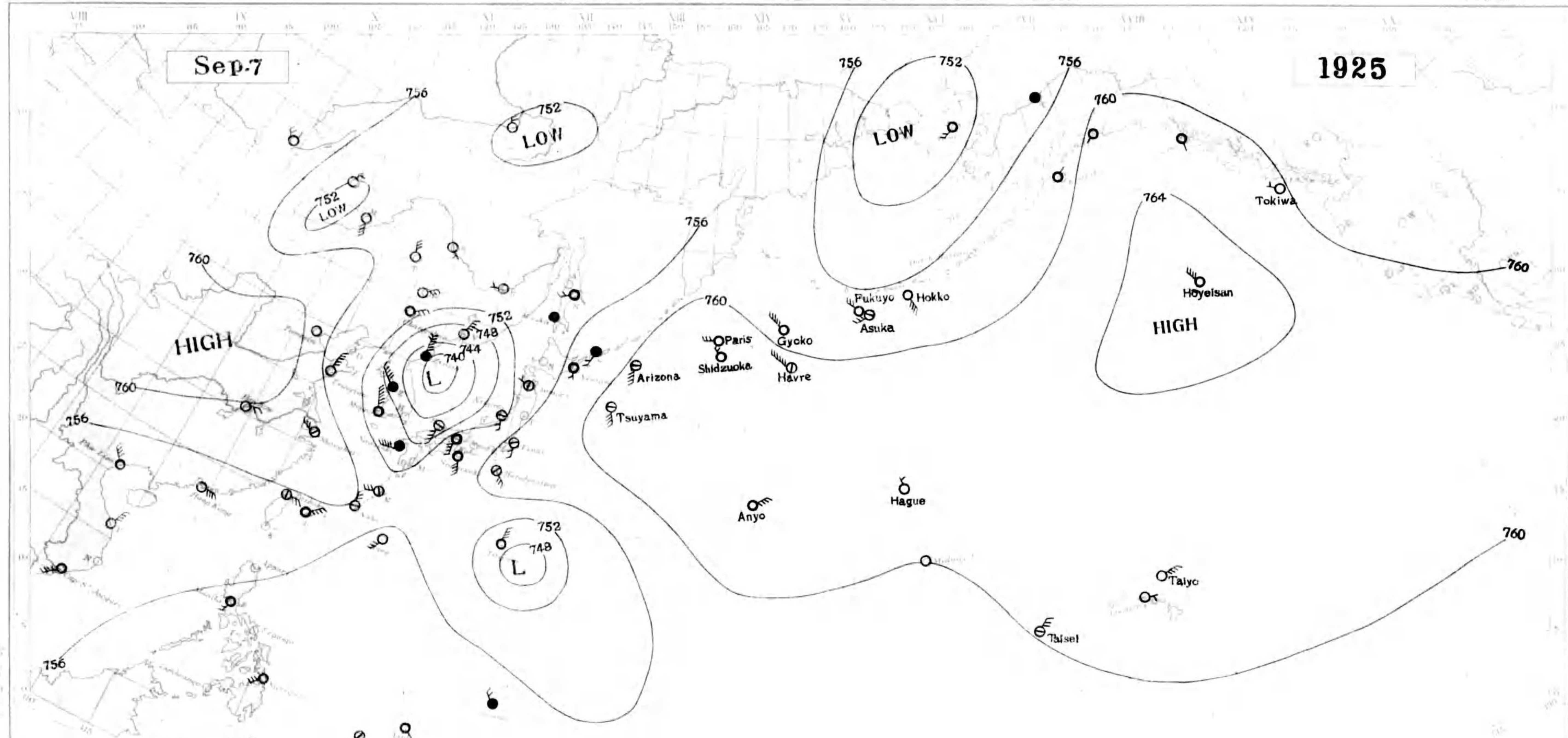
圖氣天洋平大北

號〇八九

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(North of the meridian of 175° E.)
THE IMPERIAL MARINE OBSERVATORY KOBE, JAPAN

981



Explanation of Symbols

- Clear
- ☁ Cloudy
- ☂ Rain
- ☁☂ Fog
- ☁☂☂ Thunderstorm
- ☂☂☂ Drizzle

Wind direction is shown by arrows
Blowing with the wind and force in Beaufort scale
is indicated by the number of feathers.

The materials used for preparing this chart are taken from the telegraphic reports of all stations mentioned above. The Weather Map of the Weather Bureau, Washington, the Air Bulletin of the Weather Bureau, Manila, the Bulletin Meteorologique of the Observatoire Central de l'Indochine, the Monthly Meteorological Review of the Royal Observatory, London, the Weather Chart of the Air Weather Service, and the monthly charts of the Japanese meteorological service.

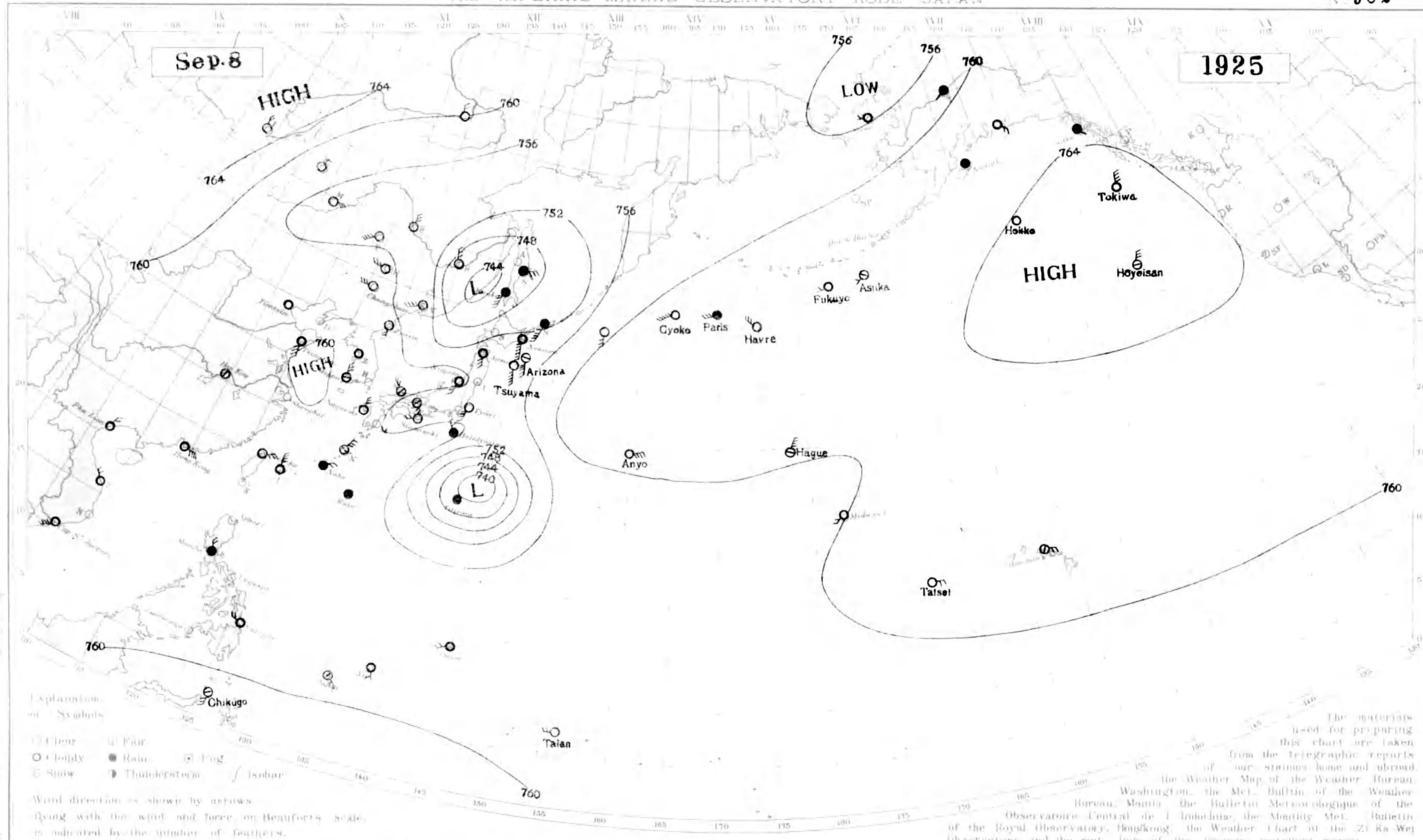
| Station | Yokohama (122° 13' E) | Naha (127° 13' E) | Nagasaki (129° 33' E) | Saigokan (129° 43' E) | Kobe (135° E) | Eyosai (135° E) | Matsumoto (138° E) | Hiroshima (132° 48' E) | Nagasaki (140° 43' E) | Amoy (120° 33' E) | Nomura (129° 13' E) | Manila (121° 43' E) | Shanghai (121° 43' E) | Hankow (129° 13' E) | Rangoon (101° 13' E) | Calcutta (120° 13' E) | London (10° 13' E) | Washington (122° 43' E) |
|---------------------------------------|--------------------------|------------------------|--------------------------|--------------------------|----------------------|--------------------|-----------------------|---------------------------|--------------------------|----------------------|------------------------|------------------------|--------------------------|------------------------|-------------------------|--------------------------|-----------------------|----------------------------|
| Air Pressure (Reduction to Sea Level) | 755.7 | 755.9 | 751.7 | 755.6 | 753.1 | 757.2 | 759.6 | 749.4 | 751.6 | 753.2 | 757.5 | 754.0 | 750.0 | 740.2 | 753.9 | 759.7 | 755.8 | |
| Air Temperature (in C) | 28.3 | 24.0 | 27.1 | 28.3 | 28.3 | 28.3 | 26.9 | 32.7 | 26.2 | 20.7 | 20.0 | 24.3 | 16.4 | 18.5 | 26.4 | 25.2 | | |
| Direction and Force of Winds (0-12) | E 3 | N 3 | WSW 5 | SSE 4 | S 4 | S 2 | SE 3 | NNE 4 | SSE 3 | WNW 1 | SSE 1 | calm | NNW 6 | N 8 | NE 3 | - 1 | NNE 5 | |
| Weather | fair | fair | rain | cloudy | cloudy | fair | fair | cloudy | fair | fair | cloudy | rain | cloudy | rain | cloudy | clear | clear | |
| Station | Shanghai (121° 43' E) | Hankow (129° 13' E) | Rangoon (101° 13' E) | Calcutta (120° 13' E) | Hongkong (114° E) | Manila (121° E) | Singapore (101° E) | Canton (113° E) | Yokohama (139° E) | Amoy (120° E) | Nomura (129° E) | Manila (121° E) | Shanghai (121° E) | Hankow (129° E) | Rangoon (101° E) | Calcutta (120° E) | London (10° E) | |
| Air Pressure (Reduction to Sea Level) | 756.6 | 759.8 | 757.5 | 758.4 | 755.6 | 757.5 | 758.6 | 758.3 | 758.5 | 756.1 | 756.3 | 761.0 | 760.0 | 749.3 | 762.5 | - | 756.9 | |
| Air Temperature (in C) | 28.7 | 23.4 | 28.9 | 30.5 | 32. | 27. | 30. | - | - | 27. | 26. | 24. | 26. | 10. | 14. | - | 13. | |
| Direction and Force of Winds (0-12) | WNW 3 | ENE 2 | SSW 3 | SE 2 | E 4 | SSW 2 | SW 3 | NW 2 | SE 2 | NW 4 | SW 4 | E 1 | calm | SW 2 | S - | - | NE - | |
| Weather | fair | clear | clear | fair | clear | cloudy | cloudy | rain | cloudy | cloudy | cloudy | clear | clear | cloudy | cloudy | - | cloudy | |

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No. 982



Explanation of Symbols
 ○ Clear ☁ Fair
 ○ Cloudy ● Rain ☁ Fog
 ☁ Snow ⚡ Thunderstorm / Isobar

Wind direction is shown by arrows blowing with the wind and force on Beaufort's scale. Isobars are indicated by the number of feet.

The materials used for preparing this chart are taken from the telegraphic reports of our stations home and abroad, the Weather Map of the Weather Bureau, Washington, the Met. Bulletin of the Weather Bureau, Manila, the Bulletin Météorologique of the Observatoire Central de l'Indochine, the Monthly Met. Bulletin of the Royal Observatory, Hongkong, the Weather Chart of the Zi Ka Wei Observatory and the met. logs of the Japanese merchant marine.

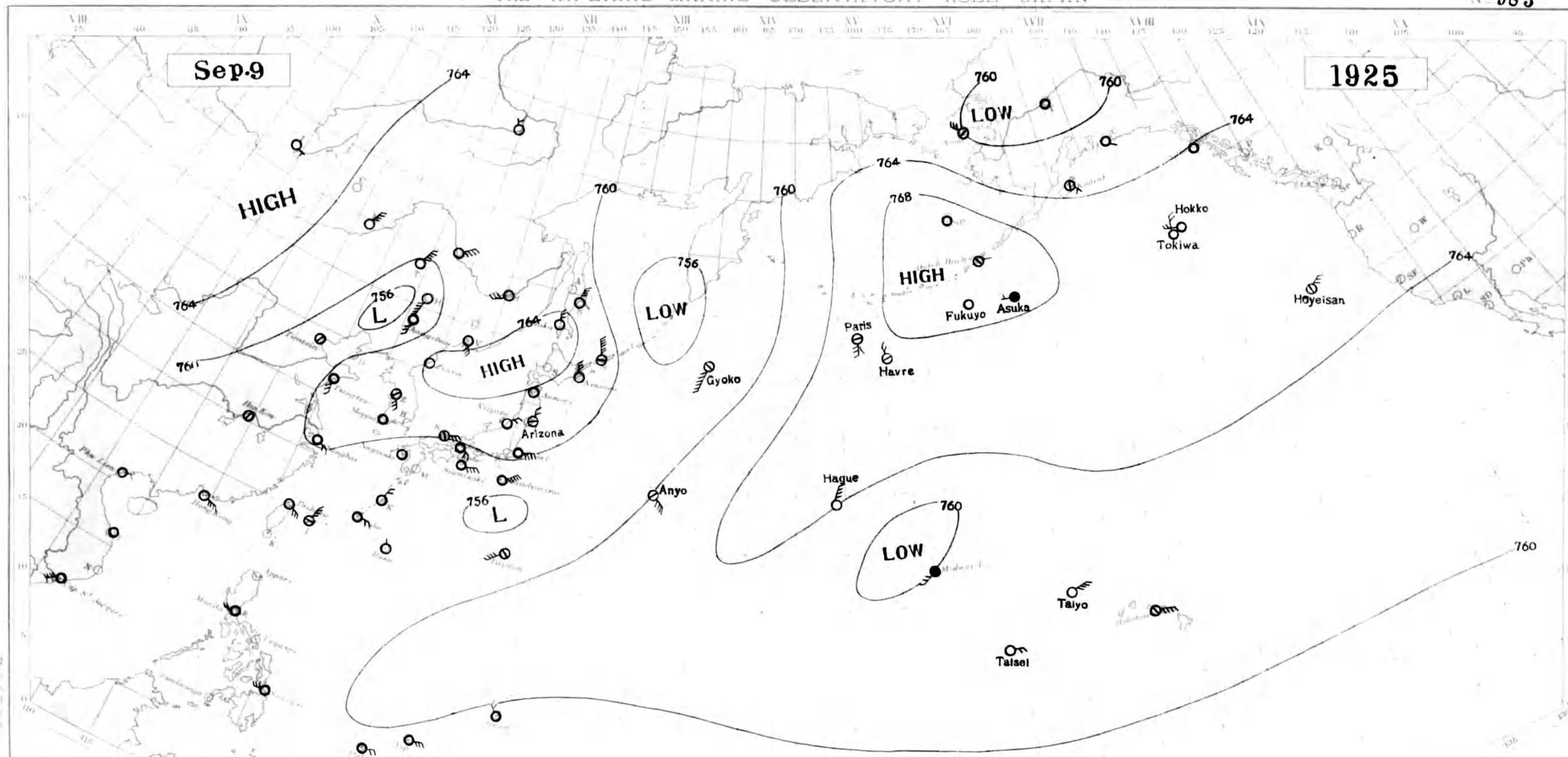
| Station | Tokyo (12° 135 E) | Naha (12° 135 E) | Naha Saki (12° 135 E) | Shimonaki (12° 135 E) | Kobe (12° 135 E) | Tyosu (12° 135 E) | Hatidyasima (12° 135 E) | Tsuzuma (12° 135 E) | Nagata (12° 135 E) | Amami (12° 135 E) | Nemuro (12° 135 E) | Maoka (12° 135 E) | Mappa (12° 135 E) | Zyuzen (12° 135 E) | Changshan (12° 135 E) | Pientsin (12° 135 E) | Shanghai (12° 135 E) |
|-------------------------------------|----------------------|--------------------|-----------------------|-----------------------|------------------|-------------------|-------------------------|---------------------|--------------------|-------------------|--------------------|-------------------|---------------------|--------------------|-----------------------|--------------------------|----------------------|
| Air Pressure (inches and tenths) | 758.1 | 757.9 | 757.3 | 755.0 | 755.8 | 755.8 | 756.3 | 740.3 | 757.0 | 753.1 | 753.3 | 745.7 | 758.4 | 756.4 | 756.8 | 757.7 | 759.5 |
| Air Temperature (in C) | 30.4 | 25.3 | 26.1 | 29.0 | 29.8 | 28.0 | 26.0 | 24.3 | 25.0 | 25.0 | 10.6 | 20.4 | 26.5 | 23.8 | 23.9 | 26.2 | 25.6 |
| Direction and Force of Winds (1-12) | ESE 3 | NE 2 | N 3 | WSW 2 | SSE 2 | SSW 4 | NNW 2 | W 5 | SSW 3 | S 3 | S E | SSW 5 | N 3 | S 3 | W 3 | - 1 | S 3 |
| Weather | clear | rain | clear | clear | fair | clear | rain | rain | cloudy | cloudy | cloudy | rain | fair | clear | clear | cloudy | cloudy |
| Station | Shanghai (12° 135 E) | Hankow (12° 135 E) | Husa (12° 135 E) | Peking (12° 135 E) | Hongkong (14°) | Manila (14°) | Surigo (14°) | Guam (14°) | Yap (14°) | Phi Lien (10°) | Sap. Jacques (10°) | Honolulu (20°) | Midway I. (16° 20°) | Nona (20° 135 W) | Sitka (20° 135 W) | Dutch Harbor (20° 135 W) | Kodiak (20° 135 W) |
| Air Pressure (inches and tenths) | 759.5 | 758.9 | 757.4 | 759.3 | 757.4 | 759.7 | 759.0 | 759.3 | 759.9 | 758.1 | 758.5 | 761.0 | 760.0 | 755.4 | 763.5 | - | 762.5 |
| Air Temperature (in C) | 26.7 | 29.9 | 27.2 | 30.1 | 29. | 26. | 31. | - | - | 29. | 25. | 24. | 26. | 8. | 12. | - | 13. |
| Direction and Force of Winds (1-12) | ESE 2 | - 1 | calm | SE 2 | E 4 | NNW 2 | WNW 2 | SW 2 | SSE 1 | NNE 2 | SW 4 | E 2 | SW 2 | W 1 | SE - | - | calm |
| Weather | fair | fair | rain | fair | cloudy | rain | cloudy | cloudy | cloudy | cloudy | cloudy | fair | cloudy | cloudy | rain | - | rain |

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Mean of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No. 983



Explanation of Symbols.

- ☉ Clear
- ☁ Cloudy
- ☂ Rain
- ☁ Fog
- ☁ Snow
- ☁ Thunderstorm
- Isobar

Wind direction is shown by arrows flying with the wind and force on Beaufort's scale is indicated by the number of feathers.

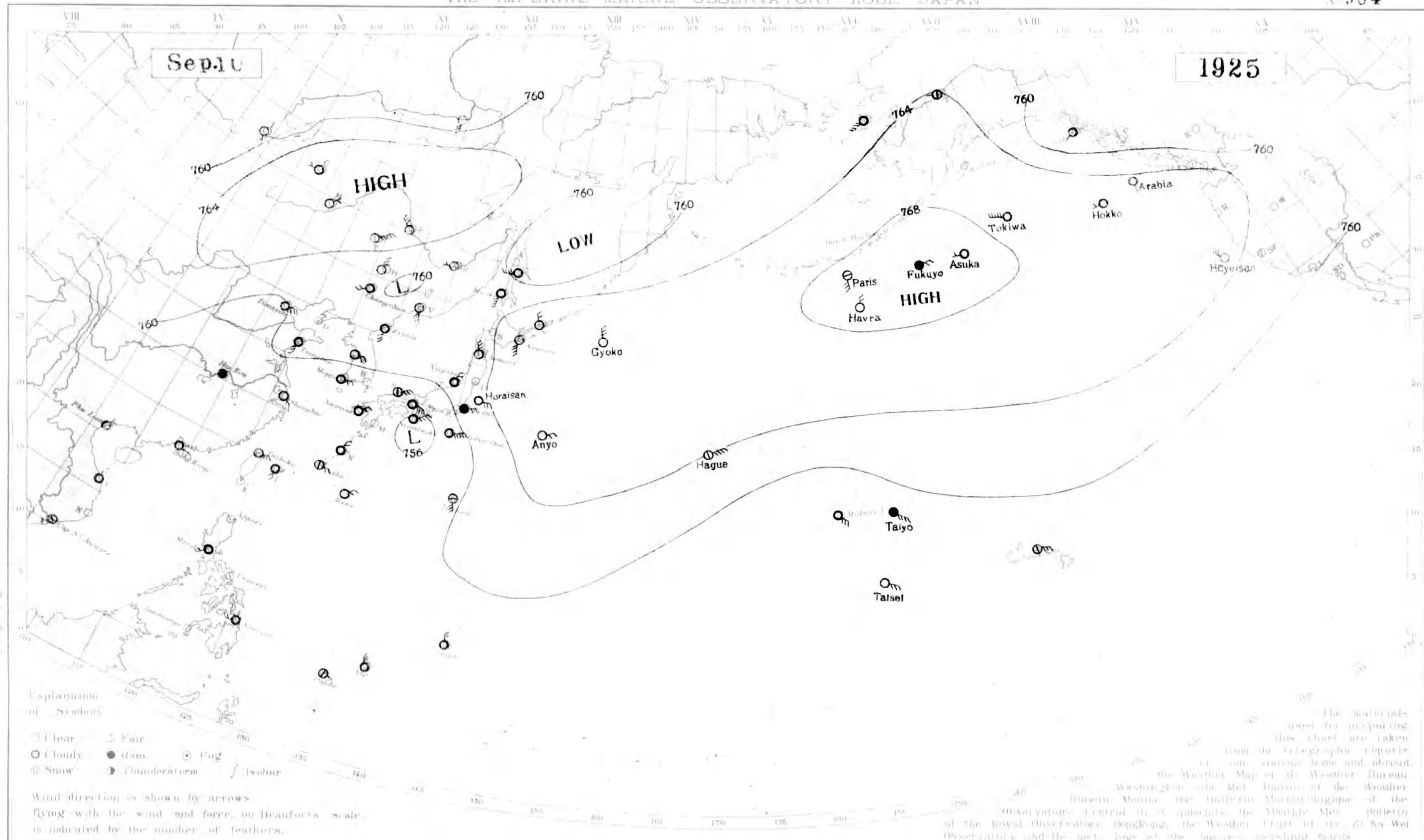
The materials used for preparing this chart are taken from the telegraphic reports of our stations home and abroad, the Weather Map of the Weather Bureau, Washington, the Met. Bulletin of the Weather Bureau, Manila, the Bulletin Météorologique of the Observatoire Central de l'Indochine, the Monthly Met. Bulletin of the Royal Observatory, Hongkong, the Weather Chart of the Zō Kyū Wei Observatory and the met. logs of the Japanese merchant marine.

| Station | Dutoko | Naha | Sagasaki | Sumisaki | Kobe | Tyosa | Hatidyosma | Tatuzima | Niigata | Aomori | Nemuro | Maoka | Miyagi | Zyosui | Changchun | Tientsin | Tsingtau |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Hour of Observation | 12 ^h 135°E | 12 ^h 135°E | 12 ^h 135°E | 12 ^h 135°E | 12 ^h 135°E | 12 ^h 135°E | 12 ^h 135°E | 12 ^h 135°E | 12 ^h 135°E | 12 ^h 135°E | 12 ^h 135°E | 12 ^h 135°E | 12 ^h 135°E | 12 ^h 135°E | 12 ^h 135°E | 12 ^h 135°E | 12 ^h 135°E |
| Atm. Pressure (Reduction to Sea Level) | 758.9 | 759.2 | 759.4 | 759.3 | 759.8 | 761.7 | 758.4 | 757.1 | 762.4 | 763.8 | 763.5 | 764.3 | 760.9 | 764.1 | 758.5 | 759.8 | 761.3 |
| Air Temperature (in °C) | 31.0 | 27.3 | 28.9 | 26.5 | 28.4 | 25.5 | 26.7 | 27.2 | 26.8 | 27.4 | 19.1 | 17.0 | 25.1 | 20.7 | 25.1 | 25.0 | 24.7 |
| Direction and Force of Winds (10-12) | ENE 3 | E 2 | - 1 | ENE 4 | ESE 2 | ENE 4 | NE 5 | SW 4 | NE 2 | calm | NW 3 | N 3 | - 1 | - 1 | SSW 3 | - 1 | S 3 |
| Weather | clear | cloudy | clear | cloudy | cloudy | cloudy | cloudy | fair | clear | clear | clear | clear | cloudy | clear | cloudy | fair | cloudy |
| Station | Shanghai | Hankow | Kaisa | Peking | Hongkong | Manila | Sourabaya | Gouan | Yap | Phu Laih | Cap St Jacques | Honolulu | Midway I | Nome | Sitka | Dutch Harbor | Kodiak |
| Hour of Observation | 12 ^h 135°E | 12 ^h 135°E | 12 ^h 135°E | 12 ^h 135°E | 14 ^h | 14 ^h | 14 ^h | 14 ^h | 14 ^h | 14 ^h | 14 ^h | 20 ^h | 20 ^h | 20 ^h 135°W | 20 ^h 135°W | 20 ^h 135°W | 20 ^h 135°W |
| Atm. Pressure (Reduction to Sea Level) | 760.1 | 758.6 | 757.8 | 759.8 | 758.6 | 759.5 | 758.9 | 759.8 | 760.1 | 758.8 | 760.9 | 760.5 | 760.0 | 760.0 | 764.0 | 770.6 | 761.5 |
| Air Temperature (in °C) | 26.5 | 31.1 | 29.2 | 28.7 | 29. | 29. | 31. | - | - | 29. | 23. | 24. | 23. | 7. | 12. | 4. | 12. |
| Direction and Force of Winds (10-12) | ESE 2 | - 1 | NNW - | E 2 | E 4 | W 2 | W 3 | NW 2 | E 3 | ENE 1 | WSW 4 | E 4 | SW 3 | NW 3 | calm | E - | SE - |
| Weather | cloudy | fair | clear | cloudy | clear | cloudy | cloudy | cloudy | cloudy | cloudy | cloudy | fair | rain | fair | cloudy | fair | fair |

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Name of the meridian of 135° E.)
THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No. 84



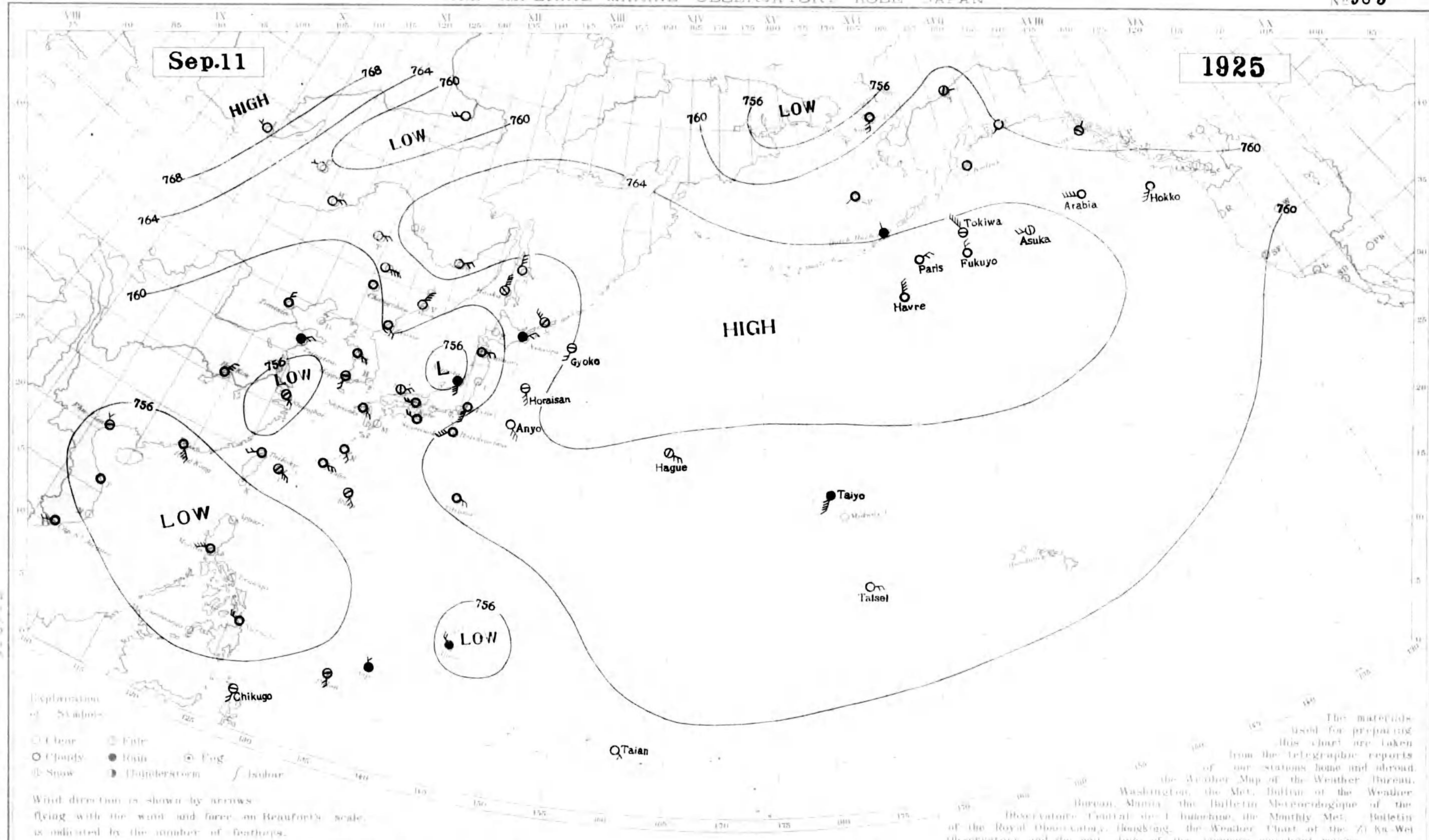
| Station | Tokyo 12° 35' N 139° 45' E | Naha 12° 35' N 130° 15' E | Nagasaki 12° 35' N 130° 15' E | Simsuaki 12° 35' N 130° 15' E | Kobe 12° 35' N 135° E | Fuzumi 12° 35' N 135° E | Hatayama 12° 35' N 135° E | Tsuzumi 12° 35' N 135° E | Nagata 12° 35' N 135° E | Amami 12° 35' N 135° E | Nimito 12° 35' N 135° E | Mitsi 12° 35' N 135° E | Mopu 12° 35' N 135° E | Zyssa 12° 35' N 135° E | Chungbin 12° 35' N 135° E | Leitsu 12° 35' N 135° E | Yongtai 12° 35' N 135° E | |
|--|----------------------------------|---------------------------------|-------------------------------------|-------------------------------------|-----------------------------|-------------------------------|---------------------------------|--------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-----------------------------|------------------------------|---------------------------------|-------------------------------|--------------------------------|--|
| Hour of Observation | | | | | | | | | | | | | | | | | | |
| Air Pressure (Red to sea level and Standard) | 757.7 | 758.3 | 758.8 | 755.6 | 757.6 | 761.3 | 757.2 | 759.5 | 761.0 | 762.9 | 766.0 | 762.7 | 759.7 | 762.7 | 760.4 | 759.9 | 760.3 | |
| Air Temperature (in °C) | 30.7 | 27.2 | 28.5 | 28.2 | 30.9 | 24.4 | 25.8 | 18.4 | 27.3 | 26.0 | 20.5 | 20.5 | 26.9 | 21.6 | 22.1 | 22.1 | 23.0 | |
| Direction and Force of Winds (0-12) | E 3 | E 2 | NE 2 | NE 4 | ESE 4 | ENE 2 | ENE 5 | SSE 3 | NNE 2 | NNW 3 | S 4 | SSW 4 | E 2 | S 3 | SW 2 | E 3 | S 3 | |
| Weather | clear | fair | cloudy | cloudy | cloudy | rain | cloudy | fair | cloudy | clear | clear | cloudy | cloudy | cloudy | cloudy | cloudy | cloudy | |

| Station | Shanghai 12° 35' N 113° E | Hankow 12° 35' N 113° E | Rosa 12° 35' N 113° E | Pulu 12° 35' N 113° E | Hongkong 14° N 113° E | Manila 14° N 121° E | Sulawesi 14° N 121° E | Guam 14° N 144° E | Yap 14° N 144° E | Philippin 14° N 144° E | Cap. S. Jacques 10° N 150° W | Honolulu 20° N 155° W | Midway 10° N 170° W | Sand 20° N 155° W | Siberia 20° N 155° W | Dutch Harbor 20° N 155° W | Kodiak 20° N 155° W |
|--|---------------------------------|-------------------------------|-----------------------------|-----------------------------|-----------------------------|---------------------------|-----------------------------|-------------------------|------------------------|------------------------------|------------------------------------|-----------------------------|---------------------------|-------------------------|----------------------------|---------------------------------|---------------------------|
| Hour of Observation | | | | | | | | | | | | | | | | | |
| Air Pressure (Red to sea level and Standard) | 759.1 | 758.6 | 757.4 | 758.6 | 756.8 | 757.6 | 757.7 | 757.8 | 756.8 | 757.6 | 760.8 | 758.9 | 757.4 | 761.5 | 758.4 | - | - |
| Air Temperature (in °C) | 27.3 | 22.1 | 28.3 | 30.7 | 29. | 30. | 31. | - | - | 29. | 28. | 24. | 23. | 9. | 12. | - | - |
| Direction and Force of Winds (0-12) | ESE 2 | - 1 | NE 2 | ESE 2 | E 4 | SW 2 | W 2 | NNW 2 | NNW 3 | NNE 1 | SW 2 | E 3 | SE 3 | SW 4 | SW - | - | - |
| Weather | clear | rain | clear | fair | cloudy | cloudy | cloudy | cloudy | cloudy | cloudy | fair | fair | cloudy | cloudy | cloudy | - | - |

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(North of the meridian of 135° E.)
THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No. 985



Explanation of Symbols:
 ○ Clear ☁ Fair
 ☁ Cloudy ● Rain ☁ Fog
 ❄ Snow ⚡ Thunderstorm / Isobar

Wind direction is shown by arrows flying with the wind and force on Beaufort's scale, as indicated by the number of feathers.

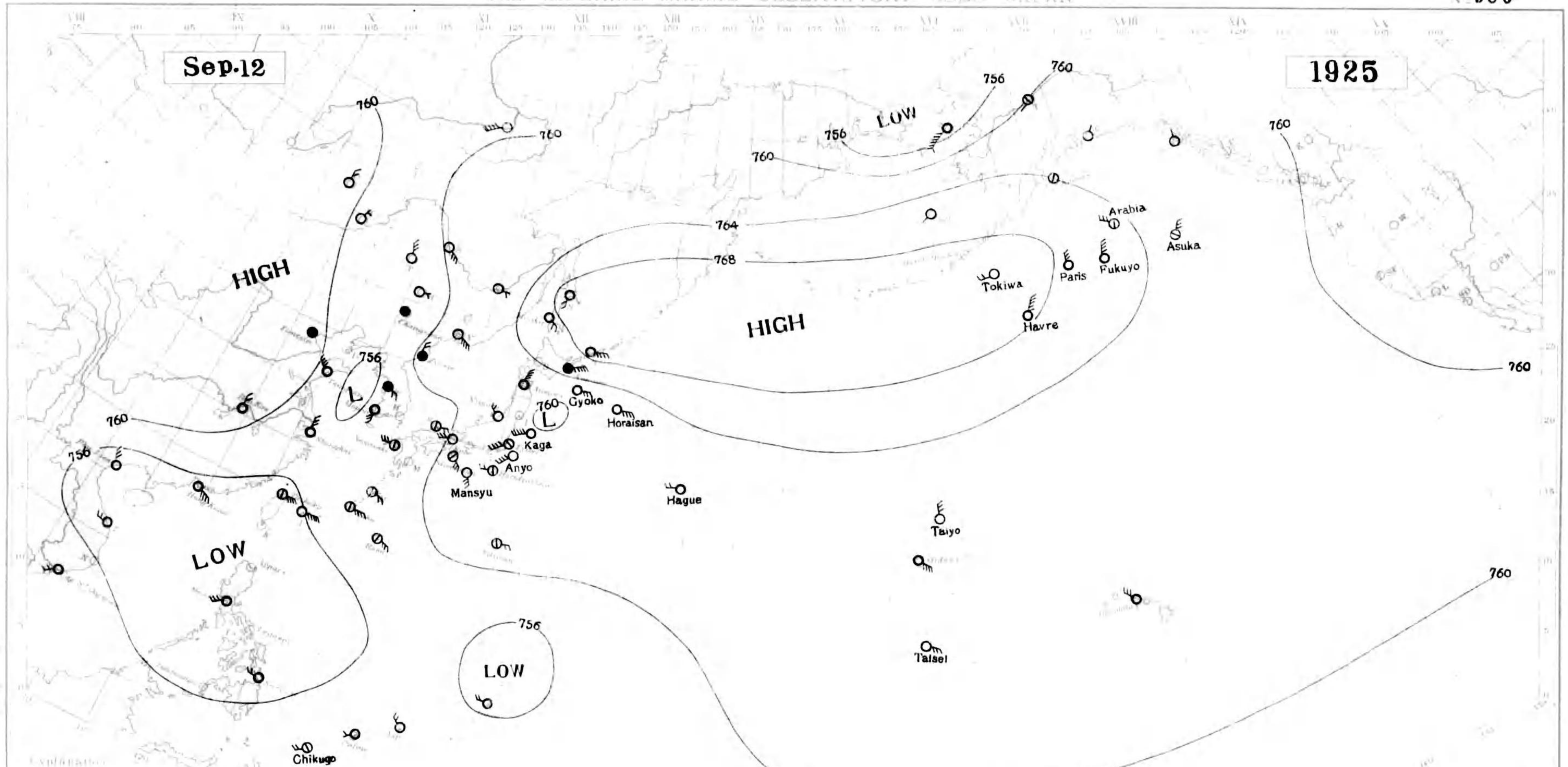
The materials used for preparing this chart are taken from the telegraphic reports of our stations home and abroad, the Weather Map of the Weather Bureau, Washington, the Met. Bulletin of the Weather Bureau, Manila, the Bulletin Météorologique of the Observatoire Central de l'Indochine, the Monthly Met. Bulletin of the Royal Observatory, Hongkong, the Weather Chart of the Zi-Ka-Wei Observatory and the monthly logs of the Japanese merchant marine.

| Station | Futatabi 12° 13' N, 135° E | Naha 12° 13' N, 135° E | Nagasaki 12° 13' N, 135° E | Shimonoseki 12° 13' N, 135° E | Kobe 12° 13' N, 135° E | Tyosu 12° 13' N, 135° E | Hatayama 12° 13' N, 135° E | Tsuzumi 12° 13' N, 135° E | Nagasaki 12° 13' N, 135° E | Amami 12° 13' N, 135° E | Nemuro 12° 13' N, 135° E | Muska 12° 13' N, 135° E | Miho 12° 13' N, 135° E | Zyosun 12° 13' N, 135° E | Changbin 12° 13' N, 135° E | Tientsin 12° 13' N, 135° E | Tsingtau 12° 13' N, 135° E | |
|--|-------------------------------|-----------------------------|-------------------------------|----------------------------------|---------------------------|----------------------------|-------------------------------|------------------------------|-------------------------------|----------------------------|-----------------------------|----------------------------|---------------------------|-----------------------------|-------------------------------|-------------------------------|-------------------------------|--|
| Hour of Observation | | | | | | | | | | | | | | | | | | |
| Air Pressure (20' and reduced to 30" Hg) | 756.1 | 757.1 | 757.3 | 758.7 | 758.6 | 759.7 | 760.9 | 760.3 | 755.3 | 756.1 | 761.1 | 762.9 | 757.8 | 751.4 | 759.7 | 759.2 | 758.9 | |
| Air Temperature (30' C) | 31.2 | 23.4 | 23.9 | 23.8 | 28.8 | 27.0 | 26.8 | 23.5 | 28.4 | 24.8 | 17.2 | 17.0 | 27.4 | 22.2 | 20.9 | 21.6 | 18.6 | |
| Direction and Force of Winds (12) | SE 2 | E 3 | SE 2 | WNW 2 | WNW 2 | SSW 4 | SW 4 | ESE 2 | SSE 3 | E 2 | NE 2 | N 5 | S 2 | SE 2 | - 1 | N 2 | NE 2 | |
| Weather | clear | cloudy | cloudy | cloudy | cloudy | cloudy | cloudy | cloudy | rain | cloudy | rain | fair | fair | cloudy | cloudy | cloudy | rain | |
| Station | Shanghai 12° 13' N, 135° E | Hankow 12° 13' N, 135° E | Rangoon 12° 13' N, 135° E | Philippine 12° 13' N, 135° E | Hongkong 14° N | Manila 14° N | Singapore 14° N | Guan 14° N | Yap 14° N | Philippine 14° N | Cap'n Joseph 14° N | Honolulu 20° N | Midway I. 10° 20' N | Nona 20° 30' W | Soko 20° 30' W | Dutch Harbor 20° 30' W | Kodiak 20° 30' W | |
| Hour of Observation | | | | | | | | | | | | | | | | | | |
| Air Pressure (20' and reduced to 30" Hg) | 755.8 | 758.4 | 757.2 | 757.2 | 755.3 | 756.1 | 756.4 | 755.9 | 757.9 | 755.7 | 759.7 | - | - | 752.3 | 757.4 | - | 762.5 | |
| Air Temperature (30' C) | 29.0 | 23.8 | 30.4 | 29.7 | 29.0 | 28.0 | 31.0 | - | - | 30.0 | 26.0 | - | - | 9.0 | 12.0 | 19.0 | 14.0 | |
| Direction and Force of Winds (12) | SE 2 | NNE 3 | SE 3 | SSE 2 | SE 4 | WSW 4 | WNW 2 | N 2 | NW 1 | NNW 1 | WSW 2 | - | - | 3 3 | NE - | N - | calm | |
| Weather | fair | cloudy | fair | fair | cloudy | cloudy | cloudy | rain | rain | fair | cloudy | - | - | cloudy | fair | rain | clear | |

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Scale of the isobars of 135 ft.)
THE IMPERIAL MARINE OBSERVATORY KOBE, JAPAN

No. 986



Explanation of Symbols:
 ☉ Clear ☁ Fair
 ☁ Cloudy ● Rain ☁ Fog
 ❄ Snow ☁ Cloud-bottom ☁ Isobars
 Wind direction is shown by arrows (going with the wind and force, on Beaufort's scale, is indicated by the number of feathers.)

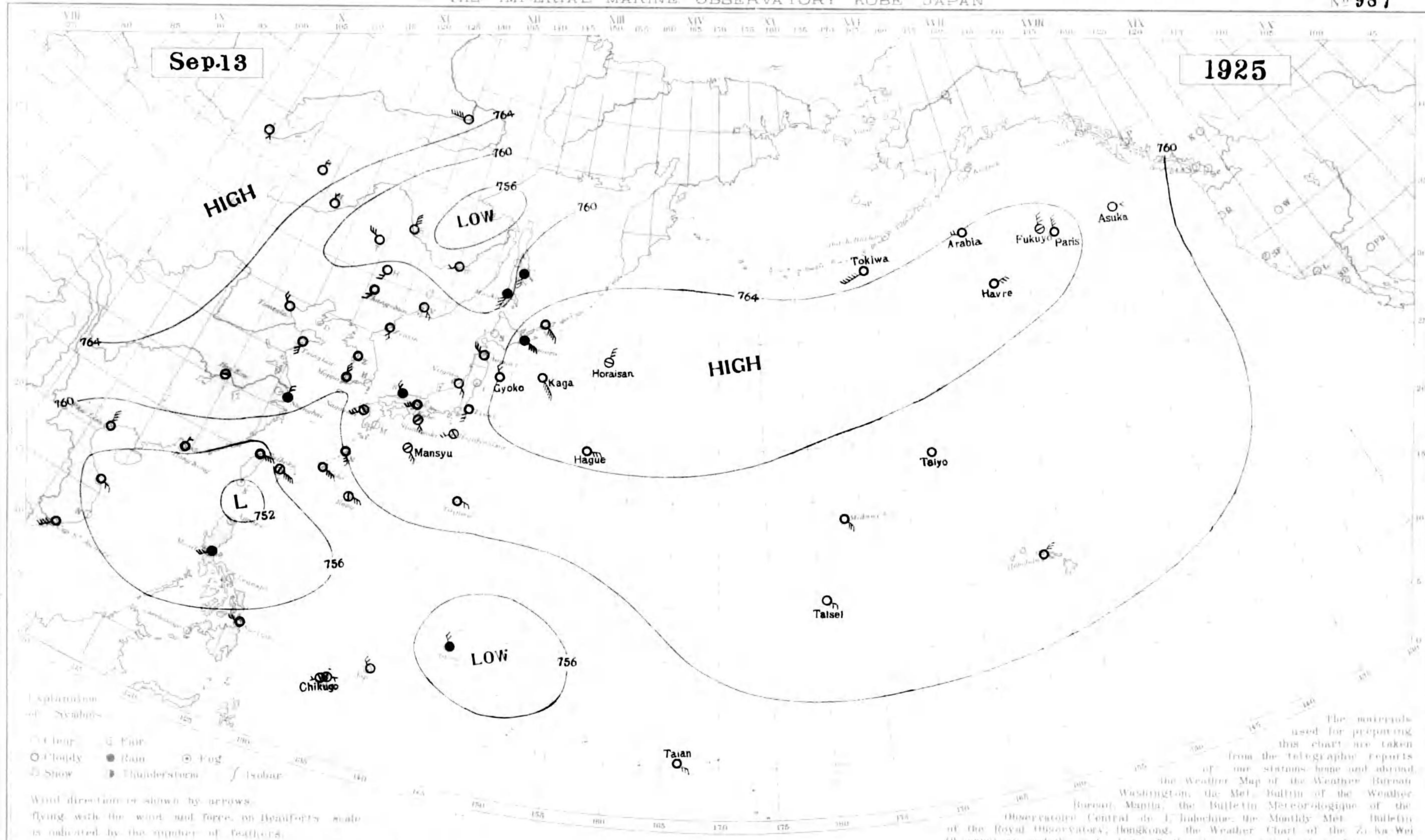
This chart is used for comparing bar charts are taken from the synoptic reports of our stations home and abroad, the Weather Map of the Weather Bureau, Washington, the Met. Bull. of the Weather Bureau, Manila, the Bulletin Meteorologique of the Observatoire Central de l'Inde, the Monthly Met. Bulletin of the Royal Observatory, Hongkong, the Weather Chart of the Z. K. Wei Observatory and the met. maps of the Japanese Imperial marine.

| Station (Point of Observation) | Doboko (12° 13' N, 137° 45' E) | Naha (12° 15' N, 125° 15' E) | Nagasaki (32° 13' N, 128° 15' E) | Saipu (12° 10' N, 125° 15' E) | Kobe (12° 13' N, 135° 15' E) | Yokohama (12° 13' N, 139° 15' E) | Hiradosima (13° 13' N, 135° 15' E) | Taiyuan (12° 13' N, 135° 15' E) | Ningbo (12° 13' N, 135° 15' E) | Amoy (12° 13' N, 135° 15' E) | Swatow (12° 13' N, 135° 15' E) | Shanghai (12° 13' N, 135° 15' E) | Manila (12° 13' N, 135° 15' E) | Singapore (12° 13' N, 135° 15' E) | Guam (12° 13' N, 135° 15' E) | Yap (12° 13' N, 135° 15' E) | Flor. Lays (12° 13' N, 135° 15' E) | San. Jacos (12° 13' N, 135° 15' E) | Honolulu (12° 13' N, 135° 15' E) | Hawaii (12° 13' N, 135° 15' E) | Z. K. Wei (12° 13' N, 135° 15' E) | Hongkong (12° 13' N, 135° 15' E) | London (12° 13' N, 135° 15' E) | London (12° 13' N, 135° 15' E) |
|--|----------------------------------|--------------------------------|----------------------------------|--------------------------------|----------------------------------|----------------------------------|------------------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|----------------------------------|--------------------------------|-----------------------------------|----------------------------------|--------------------------------|------------------------------------|------------------------------------|----------------------------------|--------------------------------|-----------------------------------|----------------------------------|--------------------------------|--------------------------------|
| Bar. Pressure (at sea level and corrected to 30 in. Hg.) | 755.2 | 758.2 | 759.4 | 761.6 | 760.9 | 760.5 | 762.6 | 760.6 | 761.1 | 761.5 | 766.3 | 766.7 | 757.6 | 761.2 | 758.1 | 760.3 | 759.7 | 766.3 | 766.7 | 757.6 | 761.2 | 758.1 | 760.3 | 759.7 |
| Air Temperature (in C.) | 32.5 | 29.6 | 28.7 | 28.3 | 30.8 | 27.8 | 27.2 | 28.4 | 28.8 | 21.5 | 13.7 | 20.0 | 28.7 | 16.5 | 15.3 | 21.7 | 21.3 | 21.5 | 20.0 | 28.7 | 16.5 | 15.3 | 21.7 | 21.3 |
| Direction and Force of Winds (0-12) | E 4 | E 4 | W 3 | SE 3 | W 3 | SW 4 | W 2 | E 2 | NW 2 | NNE 4 | ENE 5 | SE 2 | S 3 | N 2 | - 1 | - 1 | NW 4 | ENE 5 | SE 2 | S 3 | N 2 | - 1 | - 1 | NW 4 |
| Weather | fair | fair | fair | fair | clear | fair | fair | fair | clear | cloudy | rain | cloudy | cloudy | rain | rain | fair | cloudy | rain | cloudy | cloudy | rain | rain | fair | cloudy |
| Station (Point of Observation) | Shanghai (12° 13' N, 135° 15' E) | Hankow (12° 13' N, 135° 15' E) | Huasa (12° 13' N, 135° 15' E) | Peking (12° 13' N, 135° 15' E) | Hongkong (12° 13' N, 135° 15' E) | Manila (12° 13' N, 135° 15' E) | Singapore (12° 13' N, 135° 15' E) | Guam (12° 13' N, 135° 15' E) | Yap (12° 13' N, 135° 15' E) | Flor. Lays (12° 13' N, 135° 15' E) | San. Jacos (12° 13' N, 135° 15' E) | Honolulu (12° 13' N, 135° 15' E) | Hawaii (12° 13' N, 135° 15' E) | Z. K. Wei (12° 13' N, 135° 15' E) | Hongkong (12° 13' N, 135° 15' E) | London (12° 13' N, 135° 15' E) | London (12° 13' N, 135° 15' E) | London (12° 13' N, 135° 15' E) | Honolulu (12° 13' N, 135° 15' E) | Hawaii (12° 13' N, 135° 15' E) | Z. K. Wei (12° 13' N, 135° 15' E) | Hongkong (12° 13' N, 135° 15' E) | London (12° 13' N, 135° 15' E) | London (12° 13' N, 135° 15' E) |
| Bar. Pressure (at sea level and corrected to 30 in. Hg.) | 759.2 | 762.5 | 758.4 | 757.9 | 755.9 | 753.4 | 756.7 | 756.0 | 757.9 | 756.3 | 759.1 | 762.0 | 761.5 | 754.9 | 762.0 | - | - | - | 762.0 | 761.5 | 754.9 | 762.0 | - | - |
| Air Temperature (in C.) | 22.8 | 24.3 | 30.1 | 28.7 | 30. | 28. | 30. | - | - | 29. | 26. | 24. | 26. | 9. | 10. | - | - | - | 24. | 26. | 9. | 10. | - | - |
| Direction and Force of Winds (0-12) | NNW 3 | N 2 | ESE 3 | SW 1 | ESE 4 | SW 3 | WNW 2 | WNW 2 | NW 2 | NNW 3 | SW 2 | NW 3 | SE 4 | SW 7 | N - | - | - | - | NW 3 | SE 4 | SW 7 | N - | - | - |
| Weather | cloudy | cloudy | fair | cloudy | cloudy | cloudy | cloudy | cloudy | clear | cloudy | cloudy | cloudy | cloudy | cloudy | clear | - | - | - | cloudy | cloudy | cloudy | clear | - | - |

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)
THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 987



Explanation of Symbols:
 ☉ Clear ☁ Fair
 ☁ Cloudy ☔ Rain ☁ Fog
 ☁ Show ⚡ Thunderstorm / Isobar
 Wind direction is shown by arrows flying with the wind and force, on Beaufort's scale is indicated by the number of feathers.

The materials used for preparing this chart are taken from the telegraphic reports of our stations here and abroad, the Weather Map of the Weather Bureau, Washington, the Met. Bulletin of the Weather Bureau, Manila, the Bulletin Météorologique of the Observatoire Central de l'Indochine, the Monthly Met. Bulletin of the Royal Observatory, Hongkong, the Weather Chart of the Z. Ka Wei Observatory and the aeri. logs of the Japanese merchant marine.

| Station (Name of Observatory) | Dairen (12° 13' N, 125° E) | Naha (12° 13' N, 127° E) | Nagasaki (12° 13' N, 129° E) | Simsu-saki (12° 13' N, 131° E) | Kobe (12° 13' N, 135° E) | Tyosai (12° 13' N, 135° E) | Hatidyosima (12° 13' N, 137° E) | Fuzuzima (12° 13' N, 137° E) | Nagatsubo (12° 13' N, 137° E) | Aomori (12° 13' N, 140° E) | Nemuro (12° 13' N, 143° E) | Muroran (12° 13' N, 143° E) | Mojiri (12° 13' N, 143° E) | Zyuzen (12° 13' N, 143° E) | Chungking (12° 13' N, 105° E) | Tientsin (12° 13' N, 117° E) | Singtau (12° 13' N, 105° E) |
|--|------------------------------|----------------------------|------------------------------|--------------------------------|--------------------------|----------------------------|---------------------------------|------------------------------|-------------------------------|----------------------------|------------------------------|-----------------------------|----------------------------|----------------------------|-------------------------------|------------------------------|-----------------------------|
| Barometric Pressure (reduced to sea level) | 755.6 | 759.1 | 760.8 | 762.9 | 762.6 | 763.0 | 763.3 | 760.6 | 761.9 | 762.7 | 765.1 | 759.3 | 760.4 | 760.9 | 759.8 | 762.2 | 761.3 |
| Air Temperature (in °C) | 30.4 | 29.6 | 29.3 | 28.0 | 29.7 | 26.0 | 26.6 | 27.7 | 31.4 | 25.0 | 17.4 | 10.4 | 23.9 | 20.8 | 19.3 | 21.9 | 25.1 |
| Direction and Force of Winds (12) | E 4 | ESE 4 | SW 3 | SE 3 | SW 3 | SSW 3 | SW 2 | E 2 | SE 2 | WNW 3 | ESE 4 | SSW 4 | WNW 3 | SSE 2 | SSW 2 | NW 2 | S 3 |
| Weather | cloudy | cloudy | fair | fair | cloudy | cloudy | fair | cloudy | clear | clear | rain | rain | cloudy | cloudy | cloudy | clear | clear |
| Station (Name of Observatory) | Shanghai (12° 13' N, 113° E) | Hankow (12° 13' N, 113° E) | Hsiao (12° 13' N, 115° E) | Peking (12° 13' N, 115° E) | Hongkong (14° N, 114° E) | Manila (14° N, 121° E) | Surigao (14° N, 125° E) | Guam (14° N, 144° E) | Yap (14° N, 144° E) | Phu Lien (10° N, 140° E) | Cape Jacques (10° N, 140° E) | Honolulu (20° N, 155° W) | Midway (10° N, 170° W) | Nome (20° N, 155° W) | Sika (20° N, 155° W) | Dutch Harbor (20° N, 155° W) | Kadok (20° N, 155° W) |
| Barometric Pressure (reduced to sea level) | 762.9 | 763.2 | 759.6 | 758.1 | 756.2 | 756.4 | 757.4 | 756.4 | 758.0 | 758.8 | 759.8 | 760.7 | 762.0 | - | - | - | - |
| Air Temperature (in °C) | 22.9 | 26.3 | 29.6 | 28.3 | 32. | 25. | 31. | - | 25. | 25. | 26. | 26. | 24. | - | - | - | - |
| Direction and Force of Winds (12) | N 2 | - 1 | ESE 3 | E 1 | N 1 | SW 3 | W 2 | W 2 | NW 2 | N 4 | SW 4 | NE 3 | SE 3 | - | - | - | - |
| Weather | rain | fair | fair | fair | cloudy | rain | cloudy | rain | clear | cloudy | cloudy | cloudy | cloudy | - | - | - | - |

日三一九二五

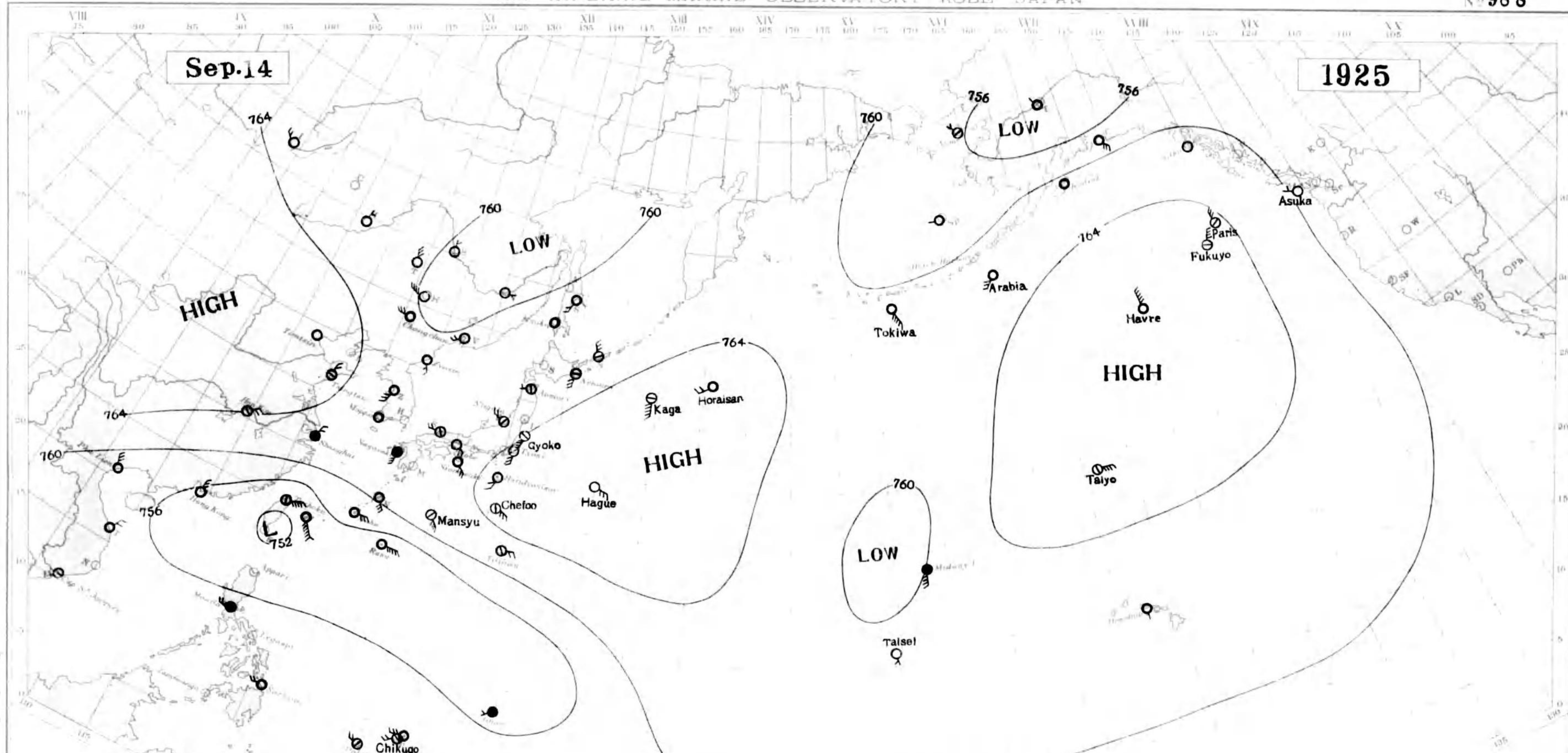
圖氣天洋平大北

號七八九第

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Mean of the meridian of 135° E.)
THE IMPERIAL MARINE OBSERVATORY KOBE, JAPAN

No. 988



Explanation of Symbols:
 ○ Clear ☁ Fair
 ☉ Cloudy ● Rain ☉ Fog
 ❄ Snow ⚡ Thunderstorm / Isobar

Wind direction is shown by arrows flying with the wind and force, on Beaufort's scale, as indicated by the number of feathers.

The materials used for preparing this chart are taken from the telegraphic reports of our stations home and abroad, the Weather Map of the Weather Bureau, Washington, the Met. Bulletin of the Weather Bureau, Manila, the Bulletin Meteorologique of the Observatoire Central de l'Indochine, the Monthly Met. Bulletin of the Royal Observatory, Hongkong, the Weather Chart of the Zo-Ku-Wei Observatory and the met. logs of the Japanese merchant marine.

| Station | Tokoku 12° 135E | Naha 12° 135E | Nagasaki 12° 135E | Siomasaki 12° 135E | Kobe 12° 135E | Tyosa 12° 135E | Hatidyosma 12° 135E | Taijima 12° 135E | Nagato 12° 135E | Aomori 12° 135E | Nomuro 12° 135E | Mooka 12° 135E | Meppo 12° 135E | Zyosin 12° 135E | Changchun 12° 135E | Fientsin 12° 135E | Tsingtau 12° 135E |
|--|----------------------|--------------------|----------------------|-----------------------|------------------|-------------------|------------------------|---------------------|--------------------|--------------------|-----------------------|-------------------|-------------------|--------------------|-----------------------|--------------------------|----------------------|
| Hour of Observation | | | | | | | | | | | | | | | | | |
| Air Pressure (Red to sea level and 500 ft) | 754.0 | 758.8 | 761.6 | 763.5 | 762.9 | 764.4 | 764.5 | 762.4 | 763.0 | 761.5 | 761.8 | 761.2 | 763.4 | 761.1 | 760.8 | 765.0 | 764.1 |
| Air Temperature (in °C) | 30.0 | 28.1 | 25.1 | 26.2 | 30.2 | 27.4 | 28.1 | 29.0 | 31.0 | 27.0 | 24.4 | 18.2 | 21.5 | 21.2 | 15.8 | 24.0 | 21.8 |
| Direction and Force of Winds (0-12) | ENE 5 | E 3 | SSW 3 | SE 3 | SE 2 | SSW 3 | SSW 2 | E 2 | W 1 | SSW 3 | calm | - 1 | SSE 2 | W 3 | calm | N 2 | |
| Weather | fair | cloudy | rain | cloudy | clear | fair | fair | fair | fair | fair | fair | cloudy | cloudy | cloudy | cloudy | clear | fair |
| Station | Shanghai 12° 135E | Hankow 12° 135E | Hsiao 12° 135E | Palau 12° 135E | Hongkong 14° | Manila 14° | Surigao 14° | Guan 14° | Yup 14° | Phi Lien 10° | Cap S. Jacques 10° | Honolulu 20° | Midway I. 10° | None 20° 135W | Sika 20° 135W | Dutch Harbor 20° 135W | Kodiak 20° 135W |
| Hour of Observation | | | | | | | | | | | | | | | | | |
| Air Pressure (Red to sea level and 500 ft) | 763.7 | 764.0 | 753.3 | 757.9 | 755.9 | 757.4 | 757.9 | 756.7 | 757.9 | 760.1 | 760.6 | 761.0 | 760.0 | 756.4 | 761.5 | - | 760.5 |
| Air Temperature (in °C) | 21.2 | 26.1 | 29.5 | 29.3 | 30. | 24. | 31. | - | 27. | 26. | 26. | 24. | 24. | 8. | 12. | - | 13. |
| Direction and Force of Winds (0-12) | NNE 2 | NE 2 | E 5 | WNW 2 | N 2 | W 2 | W 2 | SW 1 | W 3 | NNW 3 | SW 2 | S 1 | S 4 | NW 1 | W - | - | calm |
| Weather | rain | fair | cloudy | fair | clear | rain | cloudy | rain | cloudy | cloudy | fair | cloudy | rain | fair | clear | - | cloudy |

日四一九二五

圖氣天洋平大北

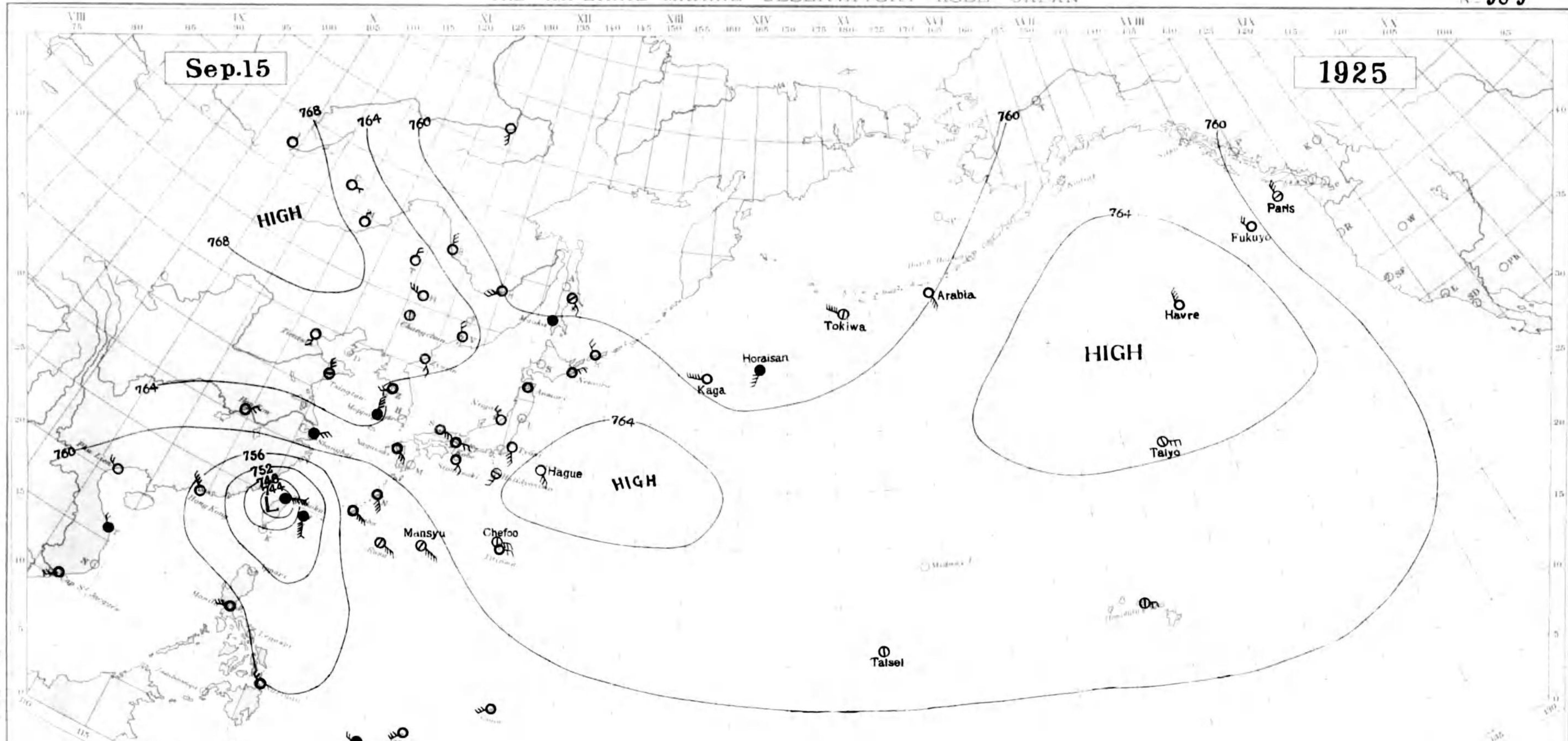
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DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 989



Explanation of Symbols

☉ Clear ☁ Fair
 ☉ Cloudy ● Rain ☉ Fog
 ❄ Snow ⚡ Thunderstorm / Isobar

Wind direction is shown by arrows flying with the wind and force, on Beaufort's scale, is indicated by the number of feathers.

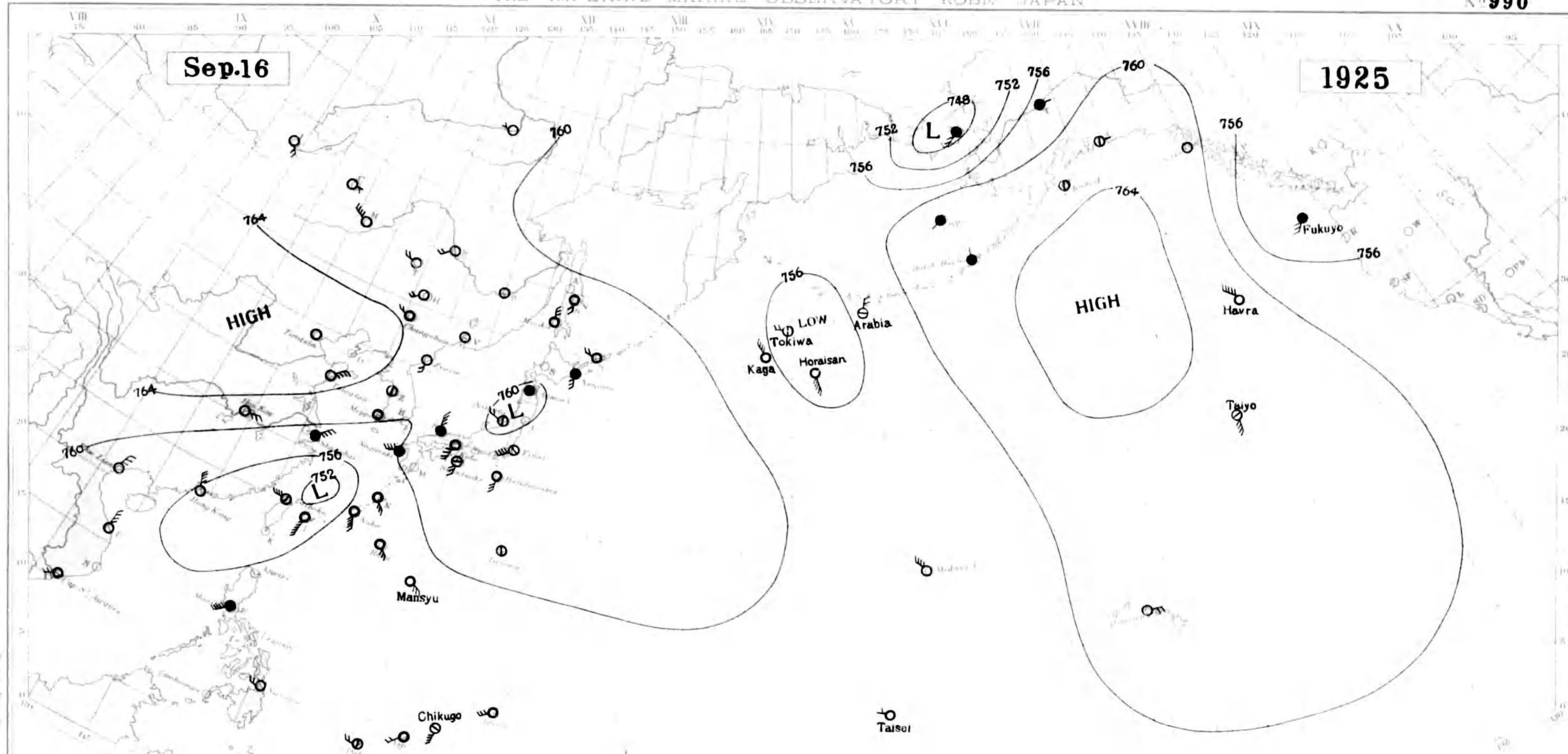
The materials used for preparing this chart are taken from the telegraphic reports of our stations home and abroad, the Weather Map of the Weather Bureau, Washington, the Met. Bulletin of the Weather Bureau, Manila, the Bulletin Météorologique of the Observatoire Central de l'Indochine, the Monthly Met. Bulletin of the Royal Observatory, Hongkong, the Weather Chart of the Z) Ka Wei Observatory and the met. logs of the Japanese merchant marine.

| Station | Tsukuba 12° 135° E | Naha 12° 135° E | Nagasaki 12° 135° E | Simsaki 12° 135° E | Kobe 12° 135° E | Tyosai 12° 135° E | Hanryosima 12° 135° E | Tilizima 12° 135° E | Niigata 12° 135° E | Amori 12° 135° E | Nemuro 12° 135° E | Moeka 12° 135° E | Moppo 12° 135° E | Zyosai 12° 135° E | Changchun 12° 135° E | Tientsin 12° 135° E | Tsingtau 12° 135° E |
|--|------------------------|----------------------|------------------------|-----------------------|--------------------|----------------------|--------------------------|------------------------|-----------------------|---------------------|----------------------|---------------------|----------------------|----------------------|-------------------------|----------------------------|------------------------|
| Hour of Observation | | | | | | | | | | | | | | | | | |
| Atm. Pressure (Red to sea level and Suda to) | 742.5 | 757.0 | 760.9 | 763.4 | 762.7 | 763.7 | 763.7 | 761.3 | 762.8 | 762.5 | 761.4 | 760.9 | 764.3 | 765.0 | 764.5 | 764.7 | 764.9 |
| Air Temperature (in C) | 24.6 | 28.3 | 26.3 | 27.0 | 29.2 | 27.2 | 27.4 | 28.2 | 29.8 | 25.0 | 23.1 | 16.2 | 19.9 | 20.8 | 20.0 | 24.4 | 23.8 |
| Direction and Force of Winds (0-12) | ENE 7 | ESE 4 | SE 3 | SE 2 | E 2 | SSE 4 | SSW 2 | E 2 | NW 2 | calm | NE 2 | - 1 | N 3 | SE 2 | W 2 | S 2 | NNW 3 |
| Weather | rain | cloudy | cloudy | cloudy | cloudy | clear | fair | cloudy | clear | cloudy | cloudy | rain | rain | cloudy | fair | clear | fair |
| Station | Shanghai 12° 135° E | Hankow 12° 135° E | Rosa 12° 135° E | Palau 12° 135° E | Hongkong 14° | Manila 14° | SUPISO 14° | Guam 14° | Yap 14° | Phi Lien 10° | Cap S Jacques 10° | Honolulu 20° | Midway I. 10° 30° | Nome 20° 135° W | Sitka 20° 135° W | Dutch Harbor 20° 135° W | Kodiak 20° 135° W |
| Hour of Observation | | | | | | | | | | | | | | | | | |
| Atm. Pressure (Red to sea level and Suda to) | 762.2 | 763.4 | 758.4 | 758.5 | 755.3 | 757.2 | 757.0 | 757.2 | 757.7 | 760.2 | 760.2 | 761.0 | - | - | - | - | - |
| Air Temperature (in C) | 19.8 | 25.0 | 30.0 | 24.2 | 29. | 26. | 32. | - | - | 29. | 26. | 28. | - | - | - | - | - |
| Direction and Force of Winds (0-12) | NE 3 | NE 2 | ESE 4 | WNW 2 | NW 4 | WSW 3 | WNW 2 | SW 3 | SW 3 | WNW 2 | SW 2 | E 2 | - | - | - | - | - |
| Weather | rain | clear | fair | rain | clear | cloudy | cloudy | cloudy | cloudy | clear | cloudy | fair | - | - | - | - | - |

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)
THE IMPERIAL MARINE OBSERVATORY KOBE, JAPAN

No. 990



Explanation of Symbols

- Clear
- ◐ Fair
- ◑ Cloudy
- Rain
- ⊙ Fog
- ⊖ Snow
- ⊕ Thunderstorm
- Isobar

Wind direction is shown by arrows flying with the wind and force, on Beaufort's scale is indicated by the number of feathers.

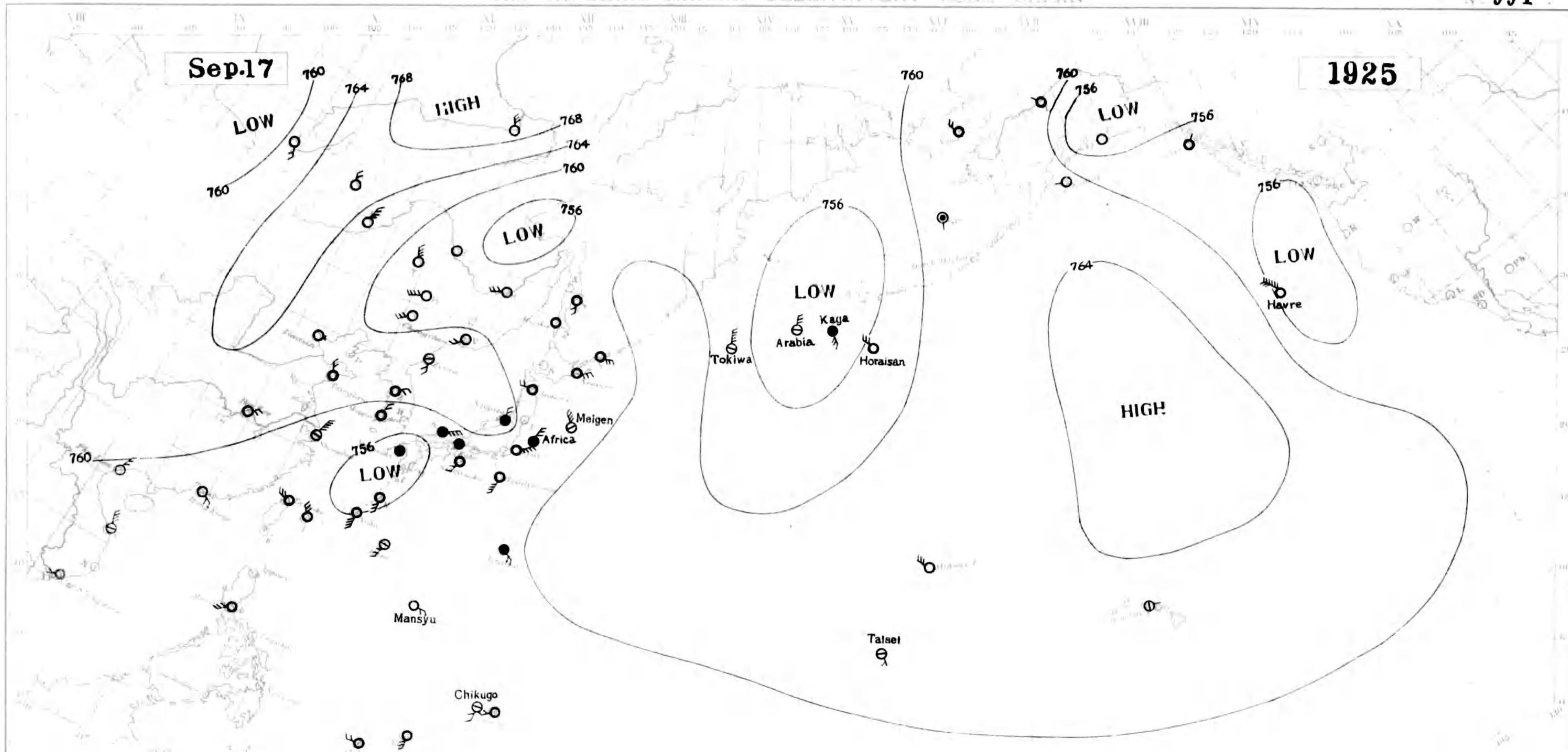
The materials used for preparing this chart are taken from the telegraphic reports of our stations here and abroad, the Weather Map of the Weather Bureau, Washington, the Met. Bulletin of the Weather Bureau, Manila, the Bulletin Météorologique of the Observatoire Central de l'Indochine, the Monthly Met. Bulletin of the Royal Observatory, Hongkong, the Weather Chart of the Zi Ka Wei Observatory and the aeri. logs of the Japanese merchant marine.

| Station | Taihoku 12° 135 E | Naha 12° 135 E | Nagasaki 12° 135 E | Suisan 12° 135 E | Kobe 12° 135 E | Tyoko 12° 135 E | Hatayama 12° 135 E | Fuzuzima 12° 135 E | Nagato 12° 135 E | Amori 12° 135 E | Nemuro 12° 135 E | Miyako 12° 135 E | Miyako 12° 135 E | Zyosai 12° 135 E | Changchun 12° 135 E | Tientsin 12° 135 E | Sungtau 12° 135 E |
|--|-----------------------|---------------------|-----------------------|---------------------|-------------------|--------------------|-----------------------|-----------------------|---------------------|--------------------|----------------------|---------------------|---------------------|---------------------|------------------------|----------------------------|----------------------|
| Hour of Observation | | | | | | | | | | | | | | | | | |
| Atm. Pressure (Red. to sea level and 30 in. Hg.) | 753.7 | 756.3 | 760.0 | 761.0 | 760.7 | 760.6 | 762.1 | 760.6 | 759.4 | 759.8 | 760.4 | 761.3 | 761.3 | 763.6 | 763.9 | 766.7 | 764.4 |
| Air Temperature (in C.) | 26.3 | 28.5 | 21.5 | 28.3 | 27.7 | 27.2 | 27.0 | 28.6 | 29.3 | 18.6 | 18.9 | 17.0 | 21.6 | 21.1 | 21.0 | 24.4 | 23.6 |
| Direction and Force of Winds (0-12) | W 4 | SSE 5 | WSW 4 | S 3 | SSW 4 | SW 4 | S 3 | - 1 | WNW 2 | NNE 3 | S 3 | N 3 | NE 2 | S 2 | WNW 2 | calm | NE 4 |
| Weather | fair | cloudy | rain | fair | cloudy | fair | cloudy | fair | fair | rain | rain | cloudy | cloudy | clear | cloudy | clear | clear |
| Station | Shanghai 12° 135 E | Hankow 12° 135 E | Hansa 12° 135 E | Peking 12° 135 E | Hongkong 14° | Manila 14° | Sourabaya 14° | Guam 14° | Yap 14° | Manila 14° | San Francisco 16° | Honolulu 20° | Hawaii 10° 150° | Naha 20° 135 W | Sofia 20° 135 W | San Francisco 20° 135 W | Kodiak 20° 135 W |
| Hour of Observation | | | | | | | | | | | | | | | | | |
| Atm. Pressure (Red. to sea level and 30 in. Hg.) | 757.8 | 763.8 | 757.8 | 758.0 | 755.9 | 757.6 | 757.5 | 758.2 | 757.7 | 760.8 | 759.9 | 762.5 | 758.9 | 747.8 | 761.5 | - | 763.5 |
| Air Temperature (in C.) | 21.9 | 25.2 | 30.4 | 29.2 | 30. | 25. | 31. | - | - | 29. | 27. | 26. | 23. | 8. | 10. | 1. | 13. |
| Direction and Force of Winds (0-12) | NE 4 | ENE 3 | SE 3 | W 2 | NNW 4 | SW 5 | W 2 | SW 3 | SW 2 | NNE 3 | WSW 2 | E 2 | NW 4 | SW 3 | calm | N - | calm |
| Weather | rain | clear | cloudy | fair | clear | rain | clear | cloudy | cloudy | clear | cloudy | clear | clear | rain | clear | rain | fair |

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(North of the equator of 135° E.)
THE IMPERIAL MARINE OBSERVATORY KOBE, JAPAN

No. 991



Explanation of Symbols:
 Clear ☉ Fair ☁
 Cloudy ☁ Rain ☔ Fog ☁
 Snow ❄ Thunderstorm ⚡ Isobar —
 Sea —
 Wind direction is shown by arrows.
 Flying with the wind and force on Beaufort's scale is indicated by the number of feathers.

The materials used for preparing this chart are taken from the telegraphic reports of our stations here and abroad, the Weather Map of the Weather Bureau, Washington, the Met. Station of the Weather Bureau Manila and Philippine Meteorologists of the Observatory, Central de Bulacane, the Monthly Met. Bulletin of the Royal Observatory, Hongkong, the Weather Chart of the Zi Ka Wei Observatory and the post-logs of the Japanese merchant marine.

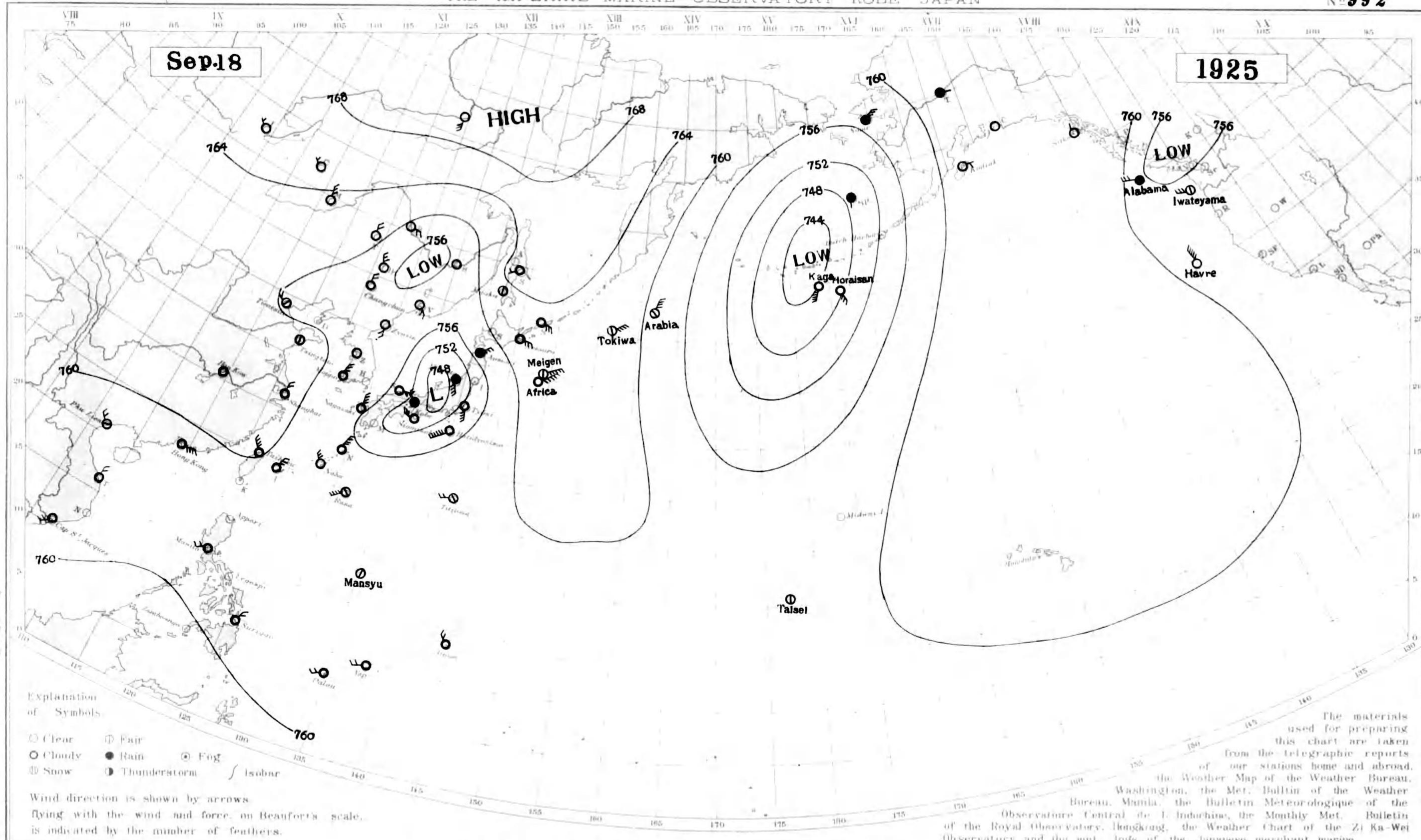
| Station (name of observation) | Tokoku (12° 35' N) | Naha (12° 45' N) | Nagasaki (32° 40' N) | Shanghai (31° 10' N) | Kobe (34° 40' N) | Lyons (45° 40' N) | Hankow (30° 40' N) | Peking (39° 50' N) | Singapore (1° 15' S) | Manila (14° 30' N) | Amoy (23° 40' N) | Nomori (42° 40' N) | Alcock (20° 40' N) | Manila (14° 30' N) | Zhangzhou (25° 40' N) | Tientsin (39° 10' N) | Shanghai (31° 10' N) | |
|-----------------------------------|----------------------|--------------------|----------------------|----------------------|--------------------|----------------------|--------------------|--------------------|----------------------|---------------------------|----------------------|--------------------|--------------------|----------------------|-----------------------|----------------------|----------------------|--------|
| Air temperature (in C) | 27.4 | 29.5 | 19.6 | 27.1 | 21.8 | 24.3 | 26.5 | 25.7 | 21.0 | 20.3 | 16.1 | 16.0 | 21.8 | 21.4 | 23.6 | 24.9 | 12.2 | |
| Direction and Force of Winds (12) | WNW 3 | SSW 4 | - 1 | SSW 2 | - 1 | NE 4 | SSW 4 | SE 2 | N 2 | W 2 | ENE 3 | - 1 | NNE 2 | S 2 | SW 3 | - 1 | NNW 2 | |
| Weather | cloudy | cloudy | rain | cloudy | rain | cloudy | cloudy | rain | rain | cloudy | cloudy | cloudy | cloudy | cloudy | fair | clear | clear | cloudy |
| Station (name of observation) | Shanghai (31° 10' N) | Hankow (30° 40' N) | Peking (39° 50' N) | Hankow (30° 40' N) | Manila (14° 30' N) | Singapore (1° 15' S) | Gilboa (14° 30' N) | Yap (13° 30' N) | Phi Lina (10° 30' N) | San Francisco (37° 50' N) | Honolulu (21° 10' N) | Manila (14° 30' N) | Naha (12° 45' N) | Shanghai (31° 10' N) | Hankow (30° 40' N) | Kodiak (57° 30' N) | | |
| Air temperature (in C) | 25.1 | 25.0 | 29.9 | 29.6 | 28. | 30. | - | 25.7 | 28. | 24. | 26. | 23. | 7. | 10. | - | 17. | | |
| Direction and Force of Winds (12) | NNE 5 | NE 2 | SSW 3 | W 2 | ESE 2 | SW 3 | - | SSW 3 | NNE 3 | WSW 2 | E 1 | NW 3 | NW 2 | NE - | - | W - | | |
| Weather | fair | clear | fair | cloudy | clear | cloudy | - | cloudy | clear | cloudy | fair | clear | cloudy | cloudy | - | clear | | |

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No. 992



Explanation of Symbols

- Clear
- ☁ Cloudy
- ☉ Snow
- ⊕ Fair
- Rain
- ⊙ Fog
- ⚡ Thunderstorm
- Isobar

Wind direction is shown by arrows flying with the wind and force, on Beaufort's scale, is indicated by the number of feathers.

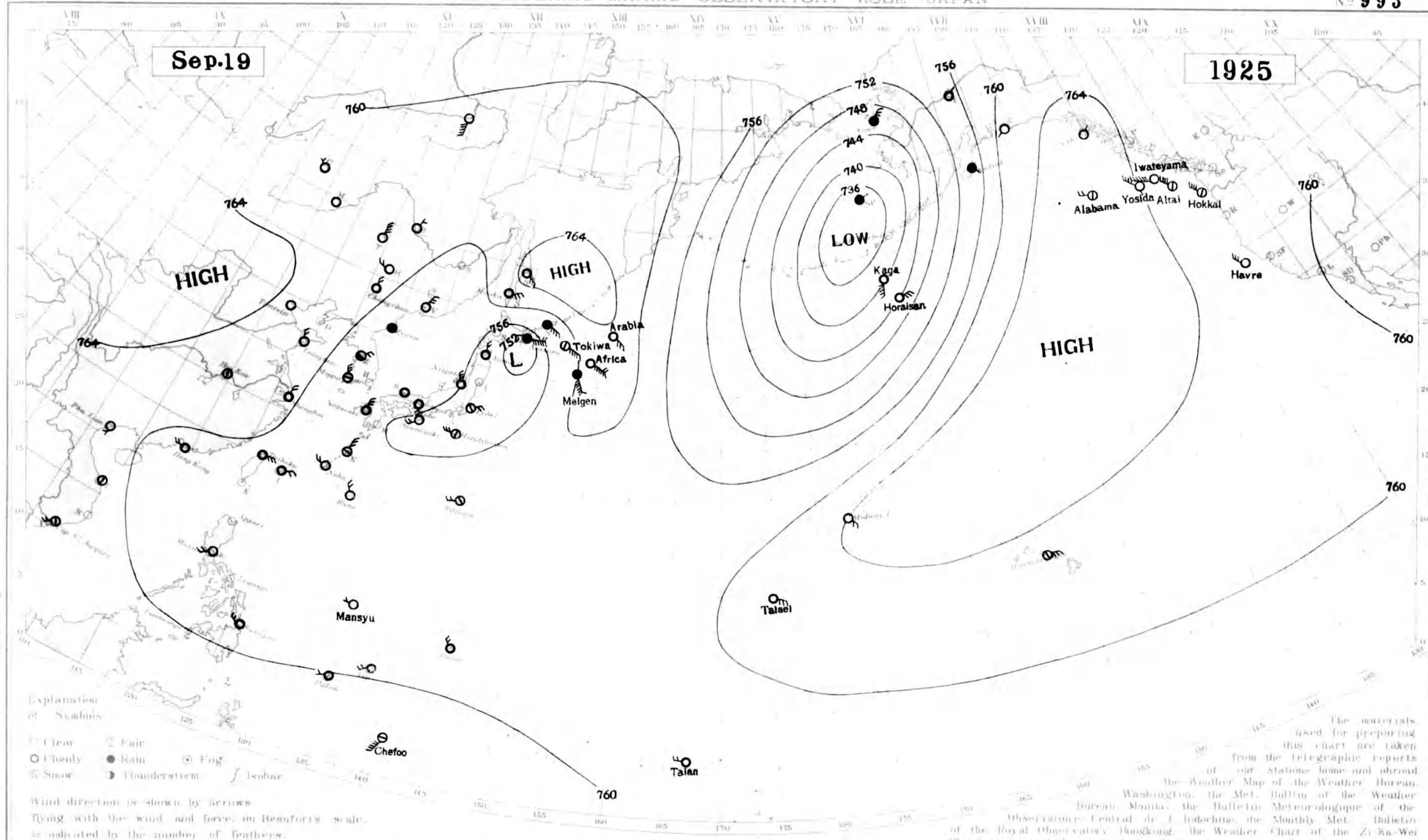
The materials used for preparing this chart are taken from the telegraphic reports of our stations home and abroad, the Weather Map of the Weather Bureau, Washington, the Met. Bulletin of the Weather Bureau, Manila, the Bulletin Meteorologique of the Observatoire Central de l'Indochine, the Monthly Met. Bulletin of the Royal Observatory, Hongkong, the Weather Chart of the Zi Ka-Wei Observatory and the met. logs of the Japanese merchant marine.

| Station | Taihoku | Naha | Nagasaki | Suisaki | Kobe | Tyosu | Hatidyosima | Tiuzima | Niigata | Aomori | Nemuro | Muroka | Moppo | Zyosin | Changchun | Tientsin | Tsingtau |
|---|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-----------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| Hour of Observation | 12 ^h , 135°E | 12 ^h , 135°E | 12 ^h , 135°E | 12 ^h , 135°E | 12 ^h , 135°E | 12 ^h , 135°E | 12 ^h , 135°E | 12 ^h , 135°E | 12 ^h , 135°E | 12 ^h , 135°E | 12 ^h , 135°E | 12 ^h , 135°E | 12 ^h , 135°E | 12 ^h , 135°E | 12 ^h , 135°E | 12 ^h , 135°E | 12 ^h , 135°E |
| Atn. Pressure (Red. to m.s.l. and Strad. fr.) | 760.1 | 758.7 | 756.4 | 750.1 | 751.3 | 752.5 | 754.5 | 758.8 | 748.5 | 757.1 | 761.9 | 762.8 | 758.8 | 759.3 | 757.2 | 759.5 | 760.7 |
| Air Temperature (in °C) | 28.7 | 28.4 | 22.1 | 23.2 | 24.4 | 25.2 | 26.3 | 27.6 | 19.4 | 18.1 | 18.7 | 20.0 | 24.1 | 21.0 | 18.1 | 24.6 | 23.2 |
| Direction and Force of Winds (0-12) | NW 4 | NW 3 | N 4 | W 3 | NW 2 | S 4 | SW 6 | WSW 2 | SSE 4 | NE 3 | ESE 3 | - 1 | NNE 3 | S 2 | N 2 | WNW 2 | - 1 |
| Weather | cloudy | clear | cloudy | cloudy | rain | cloudy | cloudy | fair | rain | rain | cloudy | fair | cloudy | clear | cloudy | fair | fair |
| Station | Shanghai | Hankow | Rosa | Palau | Hongkong | Manila | Surigao | Guam | Yap | Phi-Lien | Cap-S-Jarques | Honolulu | Midway I. | Nome | Sitka | Dutch Harbor | Kodiak |
| Hour of Observation | 12 ^h , 135°E | 12 ^h , 135°E | 12 ^h , 135°E | 12 ^h , 135°E | 14 ^h | 14 ^h | 14 ^h | 14 ^h | 14 ^h | 10 ^h | 10 ^h | 20 ^h | 11 ^h , 30 ^h | 20 ^h , 135°W | 20 ^h , 135°W | 20 ^h , 135°W | 20 ^h , 135°W |
| Atn. Pressure (Red. to m.s.l. and Strad. fr.) | 761.0 | 761.9 | 757.8 | 757.7 | 759.2 | *759.8 | *760.0 | *758.3 | *759.9 | 761.0 | 761.4 | - | - | 756.4 | 762.0 | - | 762.0 |
| Air Temperature (in °C) | 24.5 | 26.5 | 29.7 | 26.7 | 28. | 30. | 31. | - | - | 29. | 26. | - | - | 8. | 13. | - | 14. |
| Direction and Force of Winds (0-12) | N 2 | - 1 | SW 4 | SW 2 | E 4 | WSW 2 | NNE 2 | NW 2 | WSW 2 | NW 2 | SW 2 | - | - | NE 3 | N - | - | E 1 |
| Weather | cloudy | cloudy | fair | cloudy | cloudy | cloudy | cloudy | cloudy | cloudy | fair | cloudy | - | - | rain | clear | - | clear |

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(North of the meridian of 135° E.)
THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

NO 993



Explanation of Symbols
 ☉ Clear ☁ Fair
 ☉ Cloudy ● Rain ☉ Fog
 ☉ Snow ⚡ Thunderstorm — Isobar

Wind direction is shown by arrows flying with the wind, and force, in Beaufort's scale, as indicated by the number of feathers.

The isobars used for preparing this chart are taken from the telegraphic reports of our stations home and abroad, the Weather Map of the Weather Bureau, Washington, the Met. Bulletin of the Weather Bureau, Manila, the Bulletin Meteorologique of the Observatoire Central de l'Indochine, the Monthly Met. Bulletin of the Royal Observatory Hongkong, the Weather Chart of the Zi Ka Wei Observatory and the logs of the Japanese merchant marine.

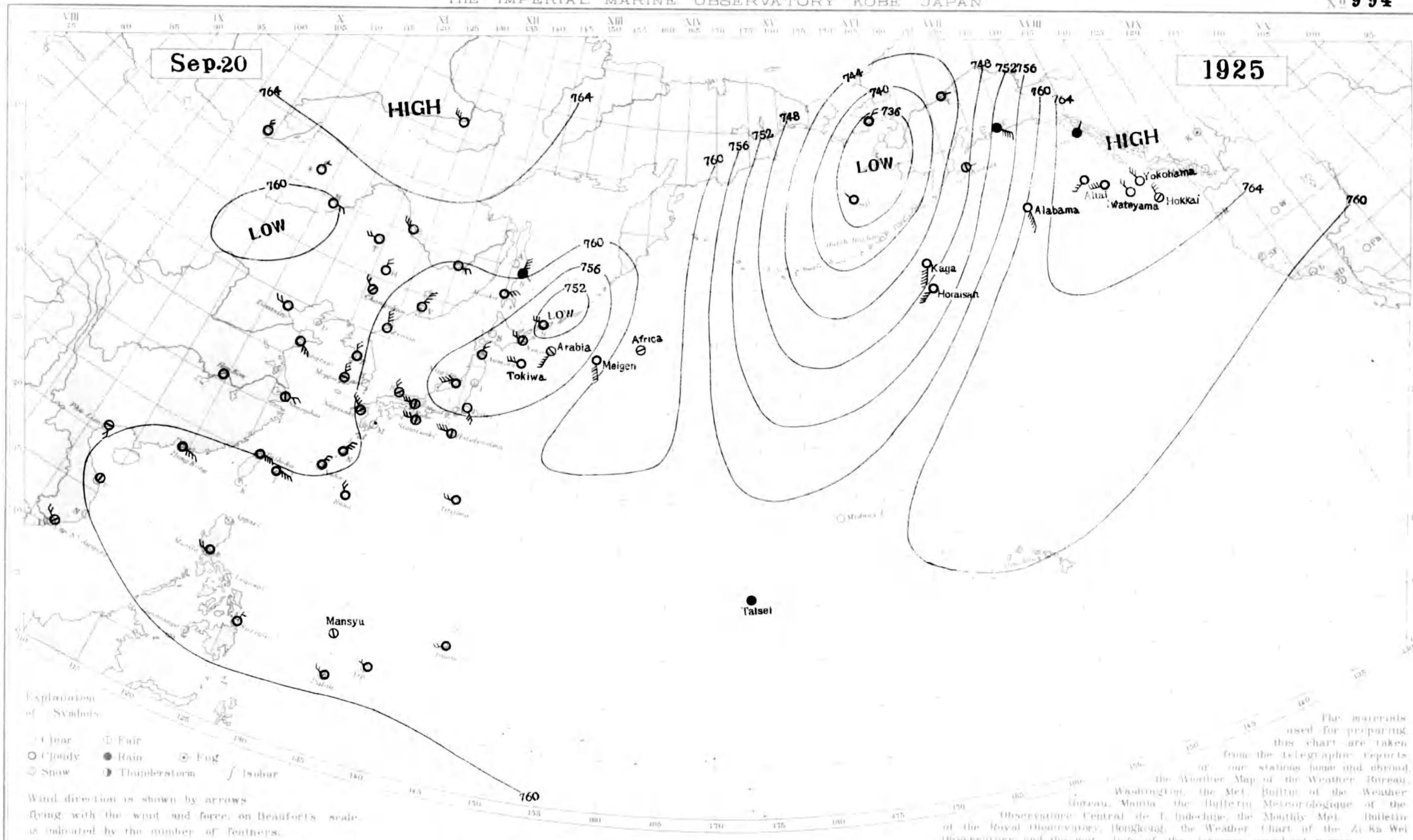
| Station | Tokyo 12° 135 E | Naha 12° 135 E | Nagasaki 12° 135 E | Sumiyaki 12° 135 E | Kobe 12° 135 E | Fuzhou 12° 135 E | Haidyosima 12° 135 E | Tiuzima 12° 135 E | Niigata 12° 135 E | Aomori 12° 135 E | Nemuro 12° 135 E | Miyako 12° 135 E | Mappo 12° 135 E | Zyosin 12° 135 E | Changien 12° 135 E | Tientsin 12° 135 E | Peking 12° 135 E |
|--|-----------------------|---------------------|-----------------------|-----------------------|-------------------|---------------------|-------------------------|----------------------|----------------------|---------------------|---------------------|---------------------|----------------------|---------------------|-----------------------|---------------------------|---------------------|
| Air Pressure (Red. to sea level and 32° F) | 759.6 | 759.5 | 758.8 | 755.6 | 757.0 | 754.3 | 753.9 | 757.9 | 756.8 | 754.3 | 751.5 | 761.1 | 759.5 | 757.7 | 760.9 | 763.2 | 760.6 |
| Air Temperature (in C) | 27.6 | 28.2 | 21.0 | 24.9 | 23.3 | 23.8 | 25.0 | 29.3 | 22.2 | 20.2 | 12.0 | 15.5 | 23.6 | 17.6 | 13.2 | 22.3 | 22.4 |
| Direction and Force of Winds (0-12) | E 3 | WNW 2 | N 3 | SW 2 | SSE 2 | NE 2 | W 3 | WSW 2 | NNW 3 | N 2 | ENE 8 | ENE 3 | NEW 3 | - 1 | N 2 | - 1 | NNW 2 |
| Weather | cloudy | clear | cloudy | clear | cloudy | fair | fair | fair | cloudy | cloudy | rain | cloudy | fair | rain | cloudy | clear | clear |
| Station | Shanghai 12° 135 E | Hankow 12° 135 E | Rangoon 12° 135 E | Peking 12° 135 E | Hongkong 14° | Manila 14° | Surigao 14° | Guam 14° | Yap 14° | Phi Lien 14° | Cape Jacques 14° | Hongkong 20° | Midway I. 18° 30° | Nome 20° 135 W | Sikh 20° 135 W | Dutch Harbor 20° 135 W | Kodiak 20° 135 W |
| Air Pressure (Red. to sea level and 32° F) | 760.7 | 761.2 | 758.8 | 760.5 | 759.2 | 760.4 | 759.6 | 759.0 | 760.2 | 761.7 | 762.7 | 762.0 | 764.0 | 744.2 | 765.5 | - | 753.9 |
| Air Temperature (in C) | 23.9 | 27.8 | 29.0 | 26.4 | 30. | 30. | 31. | - | - | 29. | 26. | 24. | 24. | 10. | 9. | - | 11. |
| Direction and Force of Winds (0-12) | N 2 | - 1 | NW 2 | WSW 1 | W 2 | SW 2 | WNW 2 | NW 2 | WSW 2 | S 1 | WSW 2 | E 3 | SE 2 | NE 3 | NE - | - | SE - |
| Weather | cloudy | fair | clear | cloudy | cloudy | clear | cloudy | cloudy | cloudy | clear | fair | fair | clear | rain | clear | - | SE - |

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 994



Explanation of Symbols

- ☉ Clear
- ☁ Cloudy
- ☂ Rain
- ☂ Thunderstorm
- ☁ Fair
- ☁ Fog
- ☂ Isobar

Wind direction is shown by arrows flying with the wind and force, on Beaufort's scale, as indicated by the number of feathers.

The isobars used for preparing this chart are taken from the telegraphic reports of our stations home and abroad, the Weather Map of the Weather Bureau, Washington, the Met. Bulletin of the Weather Bureau, Manila, the Bulletin Météorologique of the Observatoire Central de l'Indochine, the Monthly Met. Bulletin of the Royal Observatory, Hongkong, the Weather Chart of the Zi Ka Wei Observatory and the met. logs of the Japanese merchant marine.

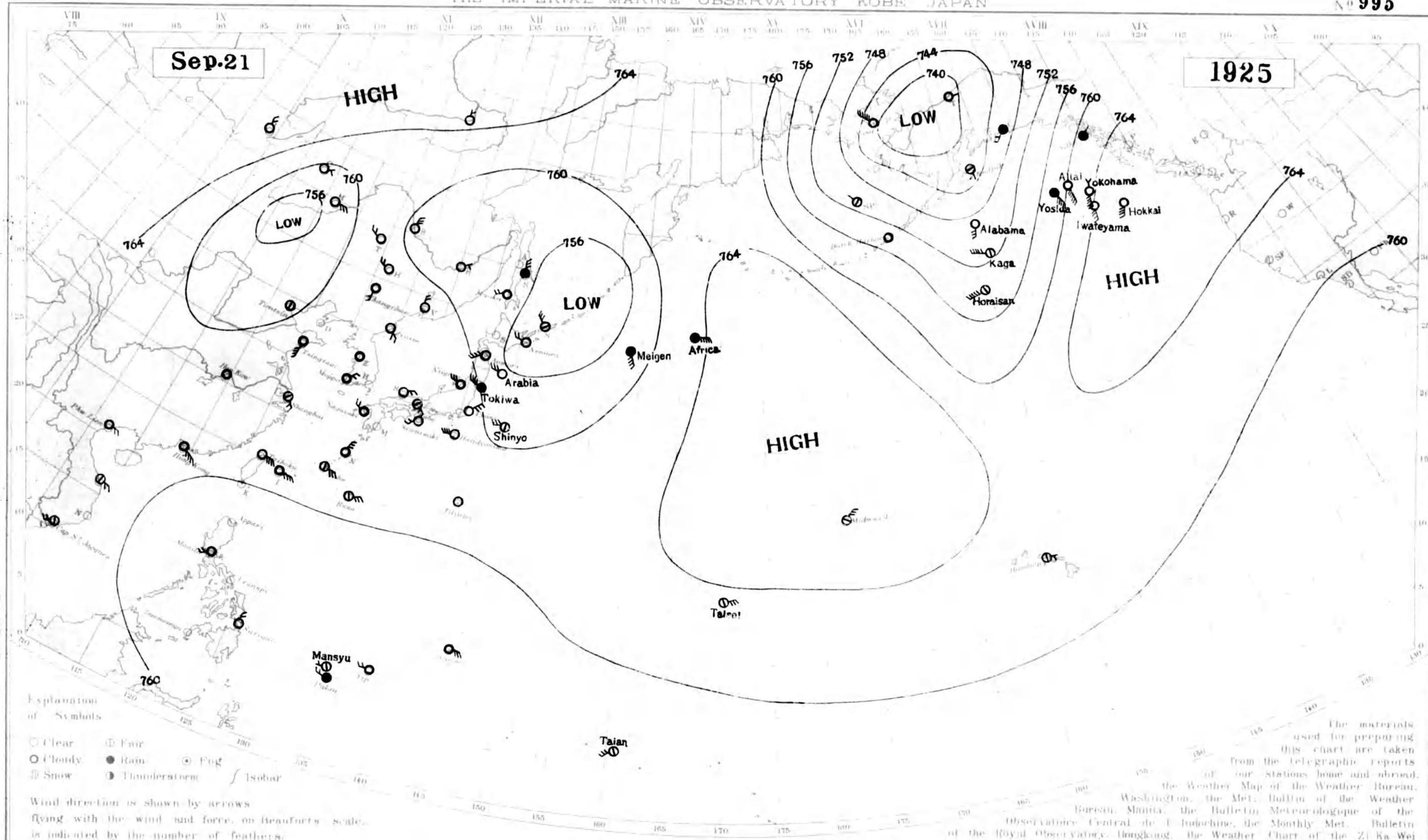
| Station | Tsukuba 12° 135 E | Naha 12° 135 E | Nagasaki 12° 135 E | Shimonoseki 12° 135 E | Kobe 12° 135 E | Tyosa 12° 135 E | Hatidyosima 12° 135 E | Tsuzuma 12° 135 E | Niigata 12° 135 E | Aomori 12° 135 E | Nanto 12° 135 E | Muska 12° 135 E | Meppu 12° 135 E | Zyosin 12° 135 E | Chang-hai 12° 135 E | Fuzhou 12° 135 E | Tsingtau 12° 135 E |
|--|----------------------|-------------------|-----------------------|--------------------------|-------------------|--------------------|--------------------------|----------------------|----------------------|---------------------|--------------------|--------------------|--------------------|---------------------|------------------------|---------------------|-----------------------|
| Hour of Observation | | | | | | | | | | | | | | | | | |
| Air Pressure (Red to wet and Sea to dry) | 760.5 | 760.4 | 759.6 | 756.8 | 757.5 | 755.3 | 756.7 | 757.3 | 755.4 | 753.6 | 752.9 | 757.1 | 760.7 | 757.5 | 761.3 | 762.7 | 762.9 |
| Air Temperature (in C) | 28.6 | 27.4 | 23.7 | 24.9 | 24.8 | 26.0 | 26.2 | 29.2 | 24.0 | 22.6 | 18.0 | 14.2 | 23.7 | 19.2 | 15.4 | 23.0 | 22.0 |
| Direction and Force of Winds (0-12) | E 4 | NNE 2 | NW 4 | W 3 | W 3 | SE 3 | W 4 | W 2 | WSW 4 | NNE 2 | WNW 2 | NE 3 | NNW 3 | NNW 4 | NW 2 | W 2 | ESE 3 |
| Weather | cloudy | cloudy | fair | fair | fair | clear | fair | cloudy | cloudy | clear | fair | cloudy | fair | clear | fair | clear | clear |

| Station | Shanghai 12° 135 E | Hankow 12° 135 E | Haha 12° 135 E | Peking 12° 135 E | Hongkong 14° | Manila 14° | Surigo 14° | Guam 14° | Yap 14° | Phi Lien 10° | Cap St Jacques 10° | Honolulu 20° | Midway 10° 30° | Nome 20° 30° W | Sitka 20° 135 W | Dutch Harbor 20° 135 W | Kodiak 20° 135 W |
|--|-----------------------|---------------------|-------------------|---------------------|-----------------|---------------|---------------|-------------|------------|-----------------|-----------------------|-----------------|-------------------|-------------------|--------------------|---------------------------|---------------------|
| Hour of Observation | | | | | | | | | | | | | | | | | |
| Air Pressure (Red to wet and Sea to dry) | 762.3 | 761.8 | 759.5 | 759.6 | 759.8 | 759.9 | 759.0 | 758.1 | 759.6 | 761.7 | 762.8 | - | - | 735.6 | 765.5 | - | 747.8 |
| Air Temperature (in C) | 25.7 | 28.6 | 28.5 | 28.8 | 28. | 31. | 31. | - | - | 29. | 27. | - | - | 10. | 10. | - | 11. |
| Direction and Force of Winds (0-12) | ENE 2 | - 1 | NW 2 | WNW 2 | E 4 | W 2 | NNE 1 | SW 2 | WNW 1 | SSE 2 | WNW 2 | - | - | NE 2 | NE - | - | E - |
| Weather | fair | clear | cloudy | cloudy | cloudy | cloudy | clear | cloudy | cloudy | fair | fair | - | - | cloudy | rain | - | fair |

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)
THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No. 995



Explanation of Symbols

- Clear
- ◐ Fair
- ◑ Cloudy
- Rain
- ⊙ Fog
- ⊖ Snow
- ⊕ Thunderstorm
- Isobar

Wind direction is shown by arrows flying with the wind and force, on Beaufort's scale, is indicated by the number of feathers.

The materials used for preparing this chart are taken from the telegraphic reports of our stations home and abroad, the Weather Map of the Weather Bureau, Washington, the Met. Bulletin of the Weather Bureau, Manila, the Bulletin Meteorologique of the Observatoire Central de l'Indochine, the Monthly Met. Bulletin of the Royal Observatory, Hongkong, the Weather Chart of the Zi Ka Wei Observatory and the met. logs of the Japanese merchant marine.

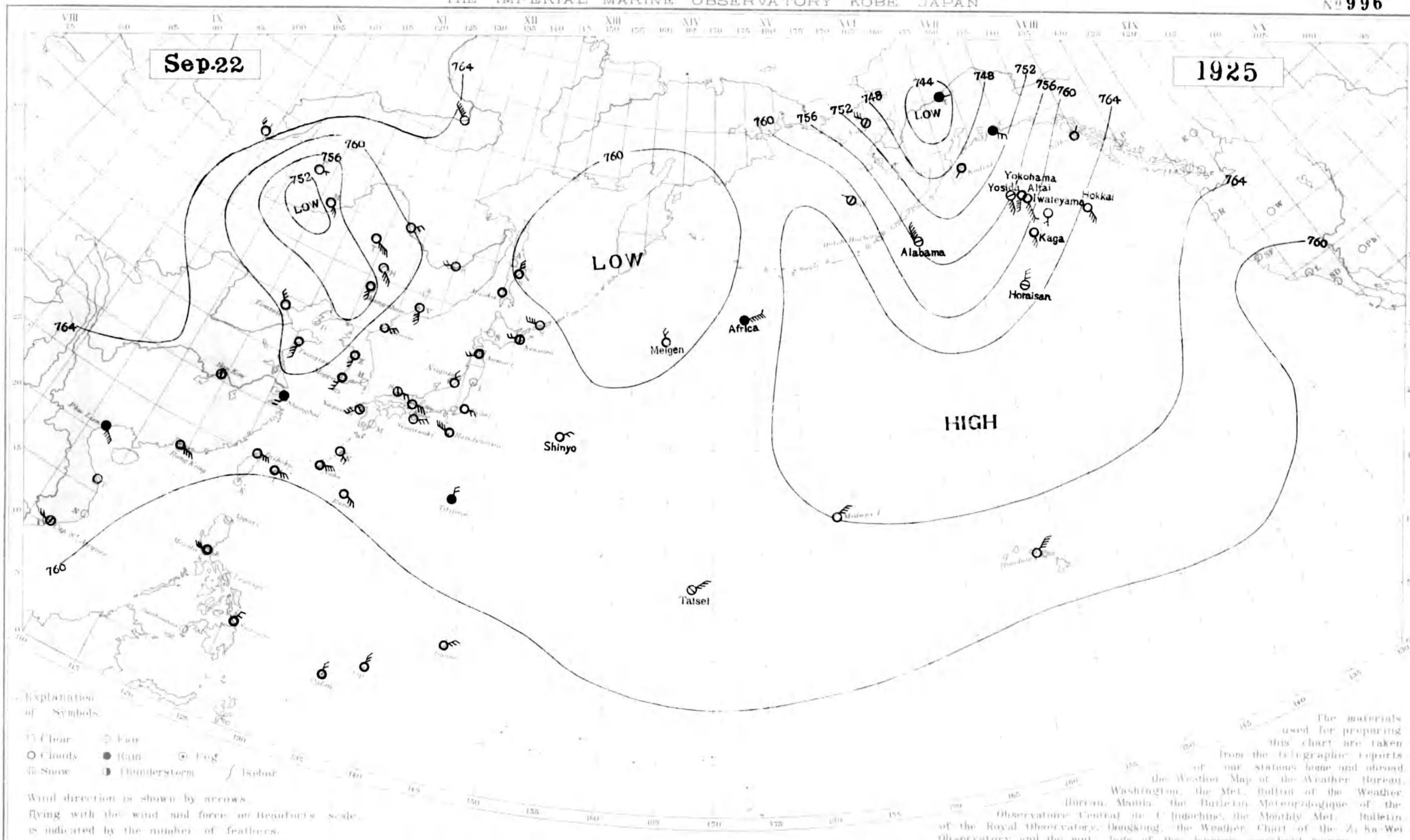
| Station | Taihoku (12° 135° E) | Naha (12° 135° E) | Nagasaki (12° 135° E) | Suumi-saki (12° 135° E) | Kobe (12° 135° E) | Tyosu (12° 135° E) | Hatidyosima (12° 135° E) | Titizima (12° 135° E) | Nagato (12° 135° E) | Aomori (12° 135° E) | Nemuro (12° 135° E) | Mioka (12° 135° E) | Mopu (12° 135° E) | Zyosin (12° 135° E) | Changchun (12° 135° E) | Tientsin (12° 135° E) | Wingtau (12° 135° E) |
|---|--------------------------|------------------------|--------------------------|----------------------------|----------------------|-----------------------|-----------------------------|--------------------------|------------------------|------------------------|-------------------------|-----------------------|------------------------|------------------------|---------------------------|------------------------------|-------------------------|
| Hour of Observation | | | | | | | | | | | | | | | | | |
| Atm. Pressure (Red to sea level and Sea to 1000 ft. not reduced to sea level) | 761.0 | 761.6 | 761.9 | 761.4 | 762.4 | 760.5 | 760.7 | 760.9 | 762.0 | 759.3 | 755.4 | 757.3 | 762.7 | 762.1 | 760.9 | 759.2 | 761.2 |
| Air Temperature (in °C) | 29.1 | 27.5 | 23.8 | 25.2 | 23.0 | 24.0 | 25.4 | 29.2 | 21.4 | 22.0 | 19.5 | 12.6 | 21.7 | 18.9 | 17.7 | 22.4 | 24.6 |
| Direction and Force of Winds (0-12) | E 4 | E 3 | WNW 2 | SW 2 | SE 2 | NE 3 | W 4 | - 1 | WNW 3 | SW 4 | WNW 2 | WSW 2 | NE 2 | SE 2 | S 2 | - 1 | S 4 |
| Weather | clear | fair | cloudy | clear | fair | clear | clear | clear | cloudy | clear | clear | cloudy | cloudy | clear | cloudy | fair | cloudy |
| Station | Shanghai (12° 135° E) | Hankow (12° 135° E) | Rosa (12° 135° E) | Pusan (12° 135° E) | Hongkong (14°) | Manila (14°) | Surigao (14°) | Guzam (14°) | Yap (14°) | Phi-Lin (14°) | Cap St Jacques (10°) | Honolulu (20°) | Midway I. (10° 20°) | Noumea (20° 135° W) | Sika (20° 135° W) | Dutch Harbor (20° 135° W) | Kodiak (20° 135° W) |
| Hour of Observation | | | | | | | | | | | | | | | | | |
| Atm. Pressure (Red to sea level and Sea to 1000 ft. not reduced to sea level) | 762.7 | 762.2 | 761.1 | 758.7 | 761.3 | 759.2 | 759.2 | 759.8 | 758.9 | 761.9 | 762.7 | 761.5 | 765.5 | 740.1 | 760.5 | 759.9 | 741.2 |
| Air Temperature (in °C) | 26.5 | 26.6 | 30.0 | 28.3 | 28. | 30. | 30. | - | - | 27. | 27. | 23. | 24. | 2. | 13. | 11. | 11. |
| Direction and Force of Winds (0-12) | SE 2 | calm | ENE 3 | WNW 2 | ESE 4 | SW 2 | N 2 | ESE 3 | W 2 | E 2 | WSW 2 | E 1 | NE 3 | NW 6 | NE - | SW 1 | S 1 |
| Weather | fair | cloudy | fair | rain | cloudy | cloudy | clear | cloudy | cloudy | cloudy | fair | fair | fair | cloudy | rain | cloudy | fair |

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Xnoon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE, JAPAN

No. 996



Explanation of Symbols

- ☉ Clear
- ☁ Cloudy
- ☂ Rain
- ☁ Fog
- ☄ Thunderstorm
- Isobar

Wind direction is shown by arrows flying with the wind and force on Beaufort's scale is indicated by the number of feathers.

The materials used for preparing this chart are taken from the telegraphic reports of our stations home and abroad, the Weather Map of the Weather Bureau, Washington, the Met. Bulletin of the Weather Bureau, Manila, the Bulletin Météorologique of the Observatoire Central de l'Indochine, the Monthly Met. Bulletin of the Royal Observatory, Hongkong, the Weather Chart of the Z. K. Wei Observatory and the met. logs of the Japanese merchant marine.

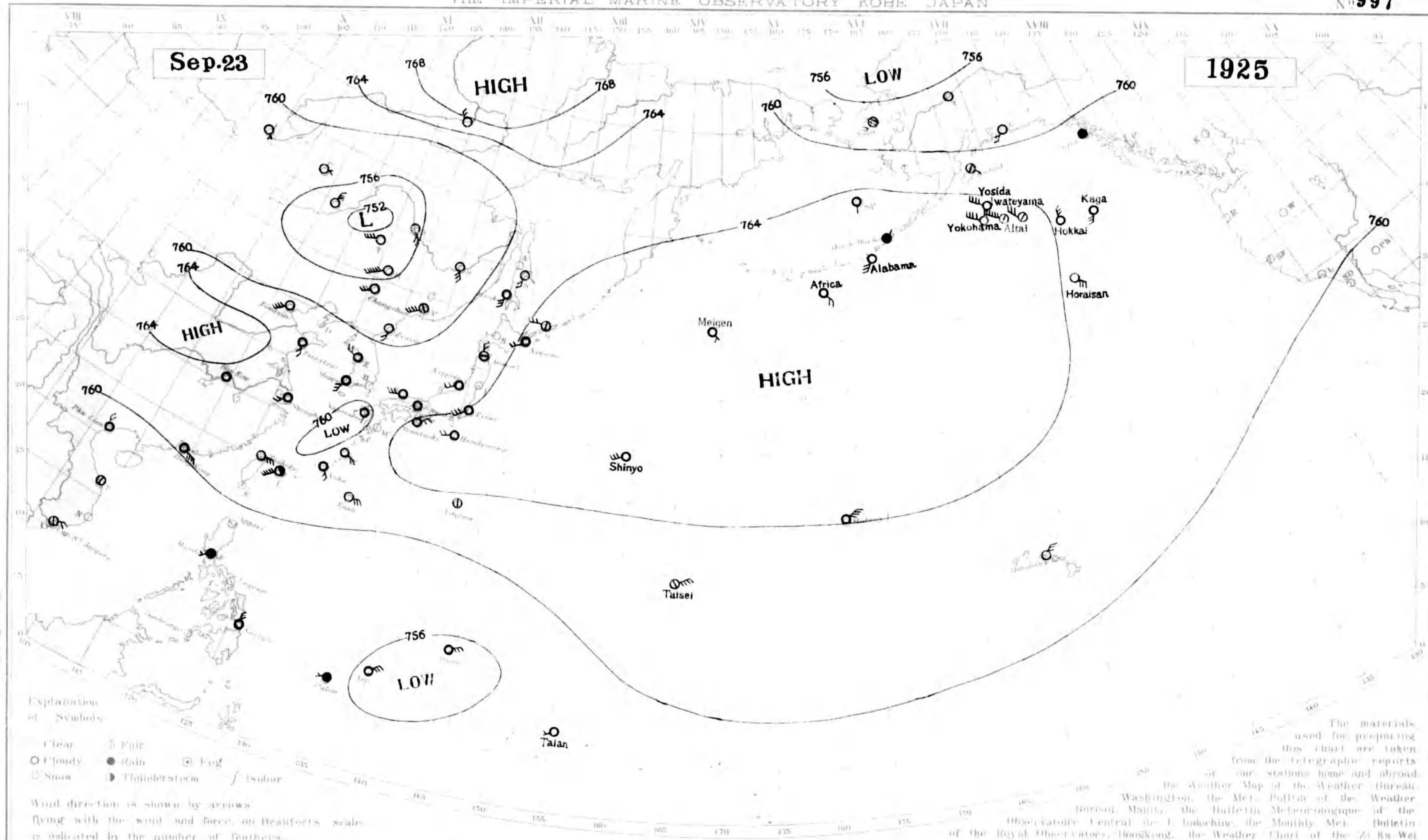
| Station | Utsunomiya 12° 13' N, 135° E | Naha 12° 13' N, 135° E | Nagasaki 12° 13' N, 135° E | Saiki 12° 13' N, 135° E | Kobe 12° 13' N, 135° E | Tyosa 12° 13' N, 135° E | Hatidaysima 12° 13' N, 135° E | Tokushima 12° 13' N, 135° E | Nagato 12° 13' N, 135° E | Amami 12° 13' N, 135° E | Nemuro 12° 13' N, 135° E | Muroka 12° 13' N, 135° E | Moppe 12° 13' N, 135° E | Zyosin 12° 13' N, 135° E | Changchun 12° 13' N, 135° E | Tonkin 12° 13' N, 135° E | Swatow 12° 13' N, 135° E |
|---|---------------------------------|---------------------------|-------------------------------|----------------------------|---------------------------|----------------------------|----------------------------------|--------------------------------|-----------------------------|----------------------------|-----------------------------|-----------------------------|----------------------------|-----------------------------|--------------------------------|-----------------------------|-----------------------------|
| Atm. Pressure (Reduction to 30 in. or 1013.25 mb) | 760.1 | 761.5 | 762.4 | 763.5 | 763.4 | 762.5 | 763.3 | 763.3 | 764.4 | 763.7 | 761.1 | 760.7 | 762.1 | 762.5 | 755.7 | 759.6 | 758.9 |
| Air Temperature (in °C) | 30.9 | 27.6 | 25.2 | 25.2 | 26.1 | 26.2 | 24.9 | 26.3 | 23.7 | 21.6 | 20.0 | 14.4 | 21.8 | 18.2 | 19.1 | 22.4 | 23.7 |
| Direction and Force of Winds (12) | E 3 | ENE 4 | SW 3 | ENE 3 | E 3 | E 2 | WNW 4 | N 2 | N 2 | SW 2 | W 2 | calm | SSW 3 | ENE 3 | SSE 3 | NW 3 | S 4 |
| Weather | clear | cloudy | fair | clear | clear | cloudy | cloudy | rain | clear | cloudy | fair | cloudy | cloudy | cloudy | cloudy | clear | cloudy |

| Station | Shanghai 12° 13' N, 135° E | Hankow 12° 13' N, 135° E | Rosa 12° 13' N, 135° E | Peking 12° 13' N, 135° E | Hongkong 14° N | Manila 14° N | Sourabaya 14° N | Gura 14° N | Yap 14° N | Panama 14° N | San Francisco 14° N | Honolulu 20° N | Midway I. 20° N | Nome 20° N | Siberia 20° N | Dutch Harbor 20° N | Kodiak 20° N |
|---|-------------------------------|-----------------------------|---------------------------|-----------------------------|-------------------|-----------------|--------------------|---------------|--------------|-----------------|------------------------|-------------------|--------------------|---------------|------------------|-----------------------|-----------------|
| Atm. Pressure (Reduction to 30 in. or 1013.25 mb) | 761.6 | 763.0 | 761.6 | 757.8 | 761.0 | 758.9 | 758.6 | 757.3 | 758.0 | 762.0 | 762.3 | 760.5 | 764.0 | 750.3 | 763.5 | - | 748.3 |
| Air Temperature (in °C) | 23.5 | 27.1 | 30.0 | 28.0 | 28. | 31. | 28. | - | - | 25. | 27. | 24. | 24. | 0. | 11. | - | 15. |
| Direction and Force of Winds (12) | SSW 2 | - 1 | ESE 3 | N 2 | E 4 | W 3 | NNE 2 | NE 3 | NNE 3 | SE 5 | W 2 | NE 5 | NE 4 | NW 3 | NE - | - | SW - |
| Weather | rain | fair | cloudy | cloudy | cloudy | cloudy | cloudy | cloudy | cloudy | rain | fair | clear | cloudy | fair | cloudy | - | cloudy |

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(North of the meridian of 135° E.)
THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No. 997



Explanation of Symbols

- ☉ Clear
- ☁ Cloudy
- ☂ Rain
- ☃ Snow
- ☉ Fair
- ☁ Fog
- ☂ Thunderstorm
- ☃ Isobar

Wind direction is shown by arrows flying with the wind and force, on Beaufort's scale, is indicated by the number of feathers.

The materials used for preparing this chart are taken from the telegraphic reports of our stations home and abroad, the Weather Map of the Weather Bureau, Washington, the Met. Bulletin of the Weather Bureau, Manila, the Bulletin Météorologique of the Observatoire Central de l'Indochine, the Monthly Met. Bulletin of the Royal Observatory, Hongkong, the Weather Chart of the Zai Ka Wei Observatory and the met. logs of the Japanese merchant marine.

| Station | Tokyo (12° 135 E) | Naha (12° 135 E) | Nagasaki (12° 135 E) | Simsaki (12° 135 E) | Kobe (12° 135 E) | Tyos (12° 135 E) | Haruyosima (12° 135 E) | Tsuzuma (12° 135 E) | Niigata (12° 135 E) | Aomori (12° 135 E) | Nemuro (12° 135 E) | Mioka (12° 135 E) | Moppu (12° 135 E) | Zyuzin (12° 135 E) | Changchun (12° 135 E) | Tientsin (12° 135 E) | Tsingtau (12° 135 E) |
|--|-------------------|------------------|----------------------|---------------------|------------------|------------------|------------------------|---------------------|---------------------|--------------------|--------------------|-------------------|-------------------|--------------------|-----------------------|----------------------|----------------------|
| Hour of Observation | | | | | | | | | | | | | | | | | |
| Air Pressure (red to sea level and 300 ft) | 760.9 | 762.5 | 758.5 | 764.2 | 763.9 | 764.0 | 764.8 | 763.8 | 763.7 | 763.7 | 764.8 | 762.9 | 762.3 | 758.1 | 756.4 | 760.9 | 763.2 |
| Air Temperature (in C) | 31.7 | 29.6 | 24.7 | 24.6 | 24.8 | 25.1 | 26.5 | 28.9 | 25.7 | 22.8 | 19.0 | 15.9 | 25.4 | 21.7 | 19.1 | 23.2 | 22.8 |
| Direction and Force of Winds (0-12) | E 3 | SE 2 | S 1 | NE 2 | E 2 | SW 3 | WSW 2 | - 1 | SW 2 | NNW 2 | SW 2 | SSW 4 | SSW 3 | S 2 | SW 3 | SW 4 | SSE 2 |
| Weather | clear | cloudy | cloudy | cloudy | cloudy | cloudy | cloudy | fair | cloudy | fair | cloudy | cloudy | cloudy | clear | clear | clear | cloudy |

| Station | Shanghai (12° 135 E) | Hankow (12° 135 E) | Ryso (12° 135 E) | Pulan (12° 135 E) | Hongkong (14°) | Manila (14°) | Surigan (14°) | Guang (14°) | Yap (14°) | Pin Lan (14°) | Cap St Jacques (10°) | Honolulu (20°) | Midway (14° 30°) | Nome (20° 135 W) | Soko (20° 135 W) | Dutch Harbor (20° 135 W) | Kodiak (20° 135 W) |
|--|----------------------|--------------------|------------------|-------------------|----------------|--------------|---------------|-------------|-----------|---------------|----------------------|----------------|------------------|------------------|------------------|--------------------------|--------------------|
| Hour of Observation | | | | | | | | | | | | | | | | | |
| Air Pressure (red to sea level and 300 ft) | 762.7 | 763.6 | 761.7 | 757.9 | 760.7 | 758.9 | 757.5 | 756.2 | 756.6 | 753.2 | 761.6 | 761.0 | 764.0 | 757.9 | 763.5 | - | 762.0 |
| Air Temperature (in C) | 25.8 | 27.0 | 29.2 | 25.7 | 29. | 28. | 29. | - | - | 27. | 29. | 24. | 23. | 3. | 13. | - | 8. |
| Direction and Force of Winds (0-12) | SW 2 | calm | E 3 | WSW 1 | ESE 4 | SW 1 | N 3 | ENE 3 | NE 3 | NNW 2 | ENE 2 | NE 3 | NE 4 | SW 2 | calm | NE - | SE - |
| Weather | cloudy | cloudy | clear | rain | cloudy | rain | cloudy | cloudy | cloudy | cloudy | fair | clear | cloudy | snow | rain | rain | fair |

日三廿九

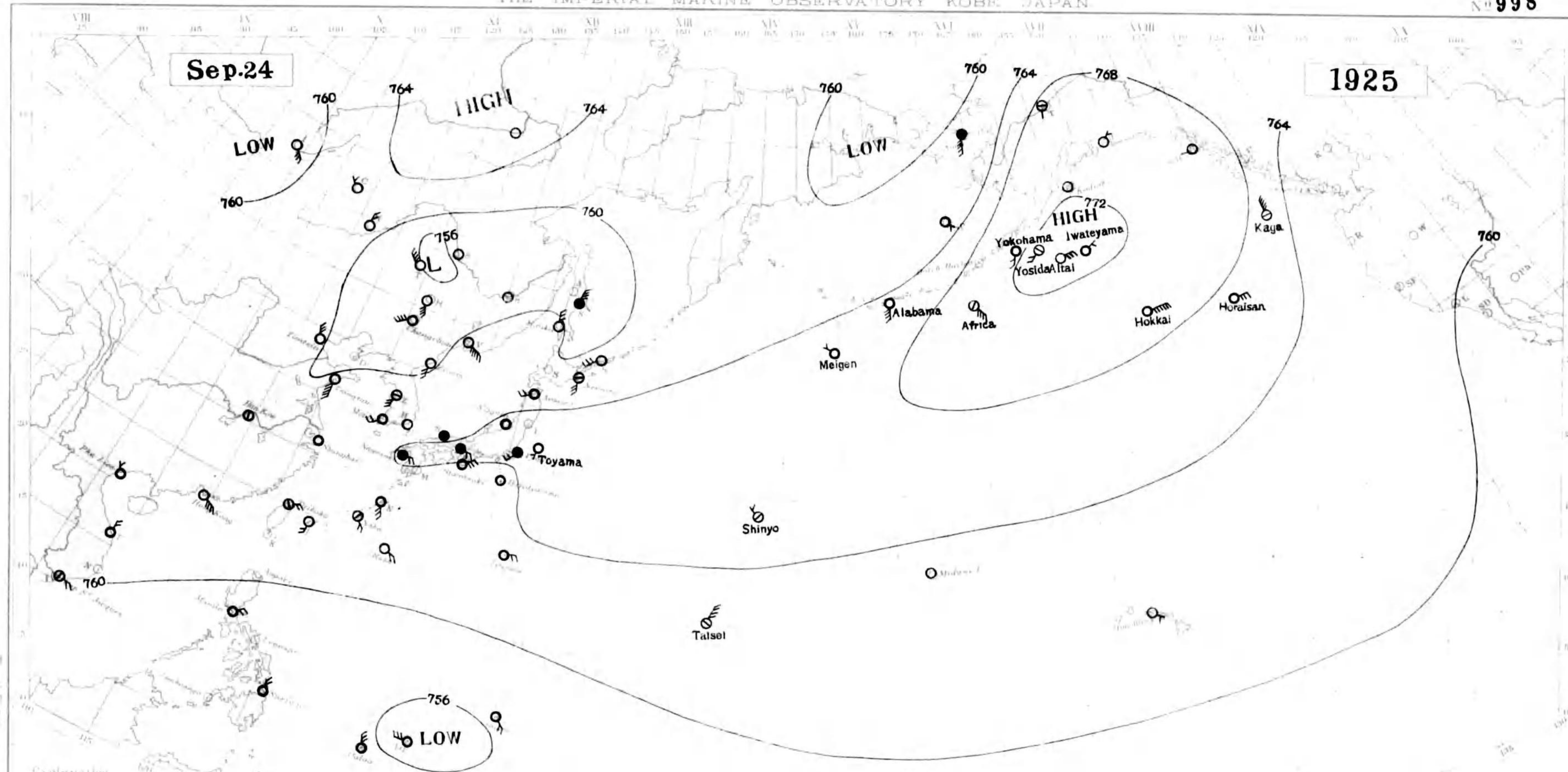
圖氣大洋平大北

號七九九第

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(North of the meridian of 135° E.)
THE IMPERIAL MARINE OBSERVATORY KOBE, JAPAN

No 998



Explanation of Symbols

- ☉ Clear
- ☁ Cloudy
- ☂ Rain
- ☁☂ Fog
- ☄ Snow
- ☄☂ Thunderstorm
- ☄ Isobar

Wind direction is shown by arrows
Flying with the wind and force, on Beaufort's scale
is indicated by the number of feathers.

The materials used for preparing this chart are taken from the telegraphic reports of our stations here and abroad, the Weather Map of the Weather Bureau, Washington, the Monthly Bulletin of the Weather Bureau, Manila, the Bulletin Meteorologique of the Observatoire Central de l'Indochine, the Monthly Bulletin of the Royal Observatory, Hongkong, the Weather Chart of the K. K. Wai Observatory and the post logs of the Japanese merchant marine.

| Station | Miyoko 12° 13'N 125° 13' E | Naha 12° 13'N 125° 13' E | Nagasaki 12° 13'N 125° 13' E | Shimonoseki 12° 13'N 125° 13' E | Kobe 12° 13'N 125° 13' E | Fuzhou 12° 13'N 125° 13' E | Hakodetsu 12° 13'N 125° 13' E | Fukushima 12° 13'N 125° 13' E | Niigata 12° 13'N 125° 13' E | Aomori 12° 13'N 125° 13' E | Nemuro 12° 13'N 125° 13' E | Miyako 12° 13'N 125° 13' E | Mojiko 12° 13'N 125° 13' E | Zakusai 12° 13'N 125° 13' E | Chungking 12° 13'N 125° 13' E | Tientsin 12° 13'N 125° 13' E | Tsingtau 12° 13'N 125° 13' E |
|---------------------------------------|------------------------------------|----------------------------------|------------------------------------|---------------------------------------|--------------------------------|----------------------------------|-------------------------------------|-------------------------------------|-----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|-----------------------------------|-------------------------------------|------------------------------------|------------------------------------|
| Hour of Observation | | | | | | | | | | | | | | | | | |
| Air Pressure (Reduction to Sea Level) | 760.6 | 761.7 | 764.1 | 763.6 | 764.9 | 764.2 | 761.5 | 763.4 | 764.4 | 763.2 | 762.2 | 761.1 | 762.3 | 759.8 | 756.7 | 760.2 | 760.2 |
| Air Temperature (°C) | 31.7 | 29.6 | 17.6 | 22.7 | 20.2 | 24.3 | 25.0 | 28.2 | 22.7 | 24.4 | 21.4 | 17.5 | 23.7 | 22.0 | 18.8 | 23.8 | 25.0 |
| Direction and Force of Winds (12) | ENE 2 | SE 2 | E 2 | NE 3 | E 2 | SW 2 | - 1 | E 2 | - 1 | SW 2 | S 3 | N 3 | SW 2 | S 3 | SW 4 | NNW 3 | S 5 |
| Weather | fair | fair | rain | cloudy | rain | rain | cloudy | cloudy | cloudy | cloudy | fair | clear | cloudy | clear | cloudy | clear | clear |
| Station | Shanghai 12° 13'N 125° 13' E | Hankow 12° 13'N 125° 13' E | Rangoon 12° 13'N 125° 13' E | Peking 12° 13'N 125° 13' E | Hongkong 14° N | Manila 14° N | Sourabaya 14° N | Guam 14° N | Yokohama 14° N | Yokohama 14° N | Yokohama 14° N | Yokohama 14° N | Yokohama 14° N | Yokohama 14° N | Yokohama 14° N | Yokohama 14° N | Yokohama 14° N |
| Hour of Observation | | | | | | | | | | | | | | | | | |
| Air Pressure (Reduction to Sea Level) | 762.8 | 762.5 | 761.6 | 756.7 | 761.3 | 753.1 | 757.1 | 757.2 | 755.2 | 763.5 | 761.6 | 762.0 | 763.5 | - | 768.6 | - | 771.6 |
| Air Temperature (°C) | 23.7 | 27.9 | 30.0 | 29.5 | 29. | 24. | 30. | - | - | 28. | 29. | 24. | 22. | - | 7. | - | 9. |
| Direction and Force of Winds (12) | calm | - 1 | ESE 2 | NNW 3 | ESE 4 | NE 2 | N 2 | SE 2 | W 3 | NNW 1 | E 2 | SE 1 | calm | S 6 | W - | - | calm |
| Weather | cloudy | fair | clear | cloudy | clear | cloudy | cloudy | cloudy | cloudy | cloudy | fair | clear | clear | rain | clear | - | clear |

日 二 月 九 日

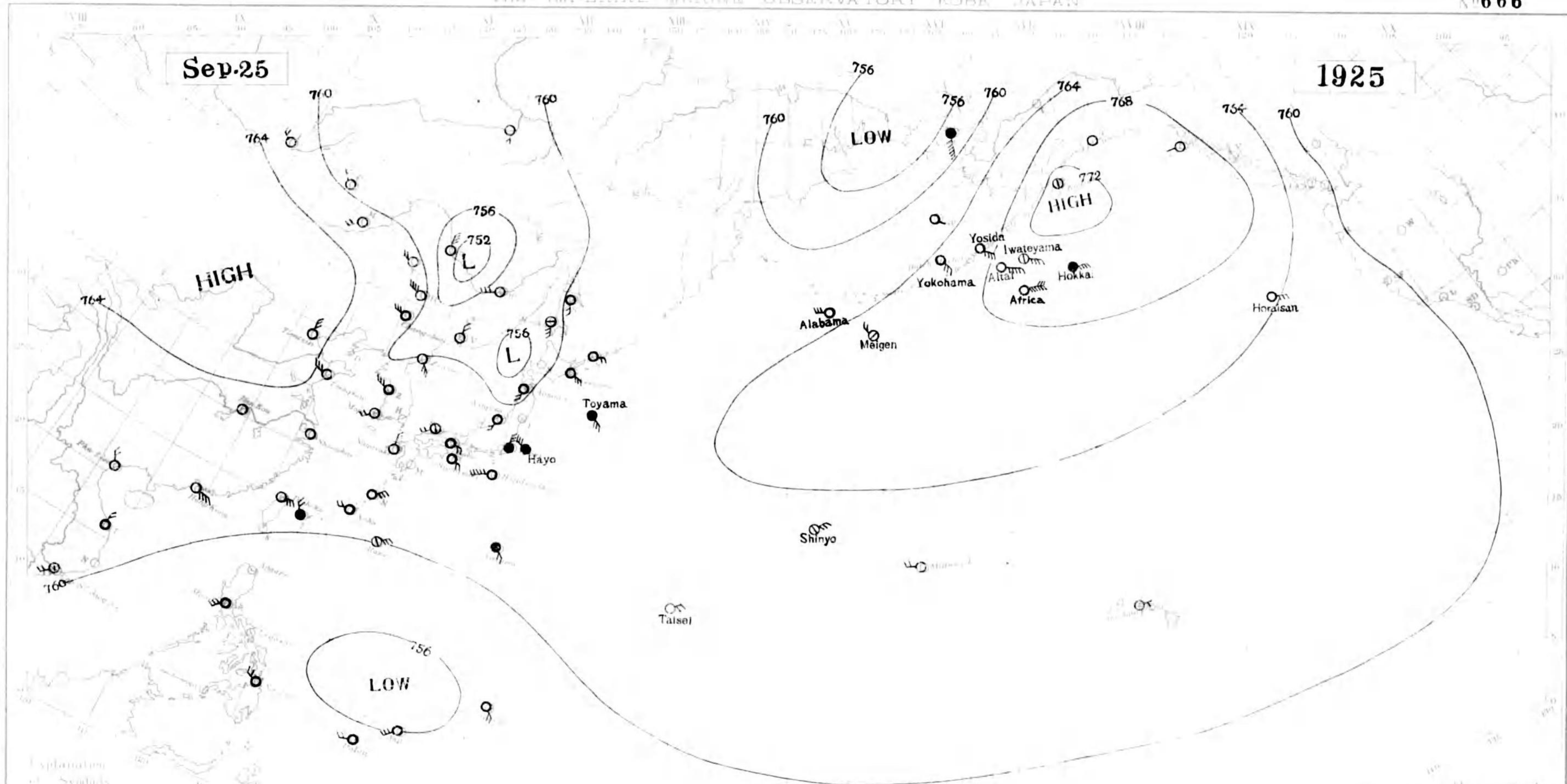
圖 氣 大 洋 平 大 北

號 八 九 第

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

EXTRACT OF THE WEATHER CHART OF 135° E.
THE IMPERIAL MARINE OBSERVATORY KOBE, JAPAN

No. 666



Explanation of Symbols
 Clear, Fair, Cloudy, Rain, Fog, Snow, Thunderstorm, Isobar
 Wind direction is shown by arrows
 Flying with the wind, and force on Beaufort's Scale as indicated by the number of feathers.

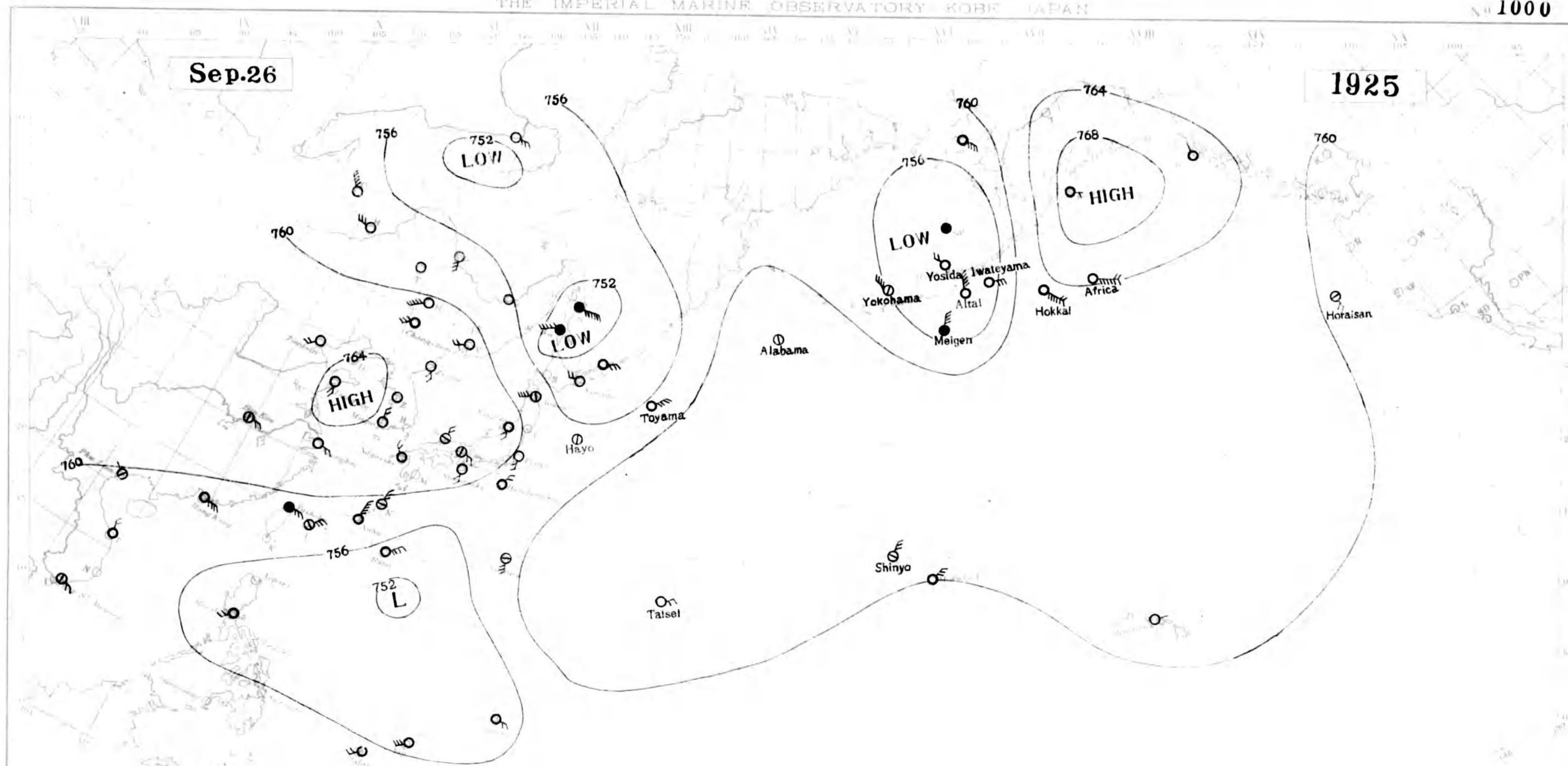
The methods used for preparing this chart are taken from the telegraphic reports of the stations named and also from the Weather Map of the Weather Bureau, Washington, the Monthly Bulletin of the Bureau of Meteorology, Tokyo, and the Monthly Bulletin of the Imperial Marine Observatory, Kobe, Japan, and the Monthly Bulletin of the Imperial Marine Observatory, Yokohama, Japan, and the Monthly Bulletin of the Imperial Marine Observatory, Osaka, Japan, and the Monthly Bulletin of the Imperial Marine Observatory, Tokyo, Japan.

| Station | Tokyo (12° 13' N, 139° 45' E) | Yokohama (12° 13' N, 139° 45' E) | Osaka (12° 13' N, 139° 45' E) | Kobe (12° 13' N, 139° 45' E) | Yokohama (12° 13' N, 139° 45' E) | Hatayama (12° 13' N, 139° 45' E) | Tokushima (12° 13' N, 139° 45' E) | Nagasaki (12° 13' N, 139° 45' E) | Amoy (12° 13' N, 139° 45' E) | Naniwa (12° 13' N, 139° 45' E) | Manila (12° 13' N, 139° 45' E) | Shanghai (12° 13' N, 139° 45' E) | Yokohama (12° 13' N, 139° 45' E) | Yokohama (12° 13' N, 139° 45' E) | Yokohama (12° 13' N, 139° 45' E) | Yokohama (12° 13' N, 139° 45' E) | Yokohama (12° 13' N, 139° 45' E) | Yokohama (12° 13' N, 139° 45' E) |
|-------------------------------------|-------------------------------|----------------------------------|-------------------------------|------------------------------|----------------------------------|----------------------------------|-----------------------------------|----------------------------------|------------------------------|--------------------------------|--------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| Air Pressure (sea level) | 761.3 | 761.5 | 762.6 | 760.9 | 761.3 | 760.2 | 760.3 | 761.7 | 761.1 | 759.4 | 760.2 | 763.5 | 763.0 | 760.2 | 761.4 | 766.0 | 763.5 | 763.5 |
| Air Temperature (°C) | 32.1 | 29.5 | 23.9 | 22.6 | 22.8 | 20.7 | 25.9 | 27.6 | 20.6 | 21.3 | 17.3 | 20.5 | 24.9 | 20.7 | 17.4 | 23.2 | 23.2 | 23.2 |
| Direction and Force of Winds (0-12) | E 3 | W 2 | N 3 | ESE 2 | ESE 2 | N 3 | WSW 5 | SE 2 | SSW 2 | SSW 2 | ESE 3 | SSE 3 | SW 2 | SE 3 | WNW 3 | N 3 | WNW 3 | WNW 3 |
| Weather | clear | cloudy | clear | cloudy | cloudy | rain | cloudy | rain | cloudy | cloudy | cloudy | clear | clear | clear | cloudy | clear | clear | clear |

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Scale of the 1000 fathoms at 435 Fms)
THE IMPERIAL MARINE OBSERVATORY KOBÉ JAPAN

No 1000



Explanation of Symbols:
 Clear ☉ Part ☁
 Cloudy ☁ Rain ☔ Fog ☁
 Snow ❄️ Thunderstorm ⚡ Isobar —
 Wind direction is shown by arrows
 Flying with the wind and force on Beaufort's scale
 as indicated by the number of feathers

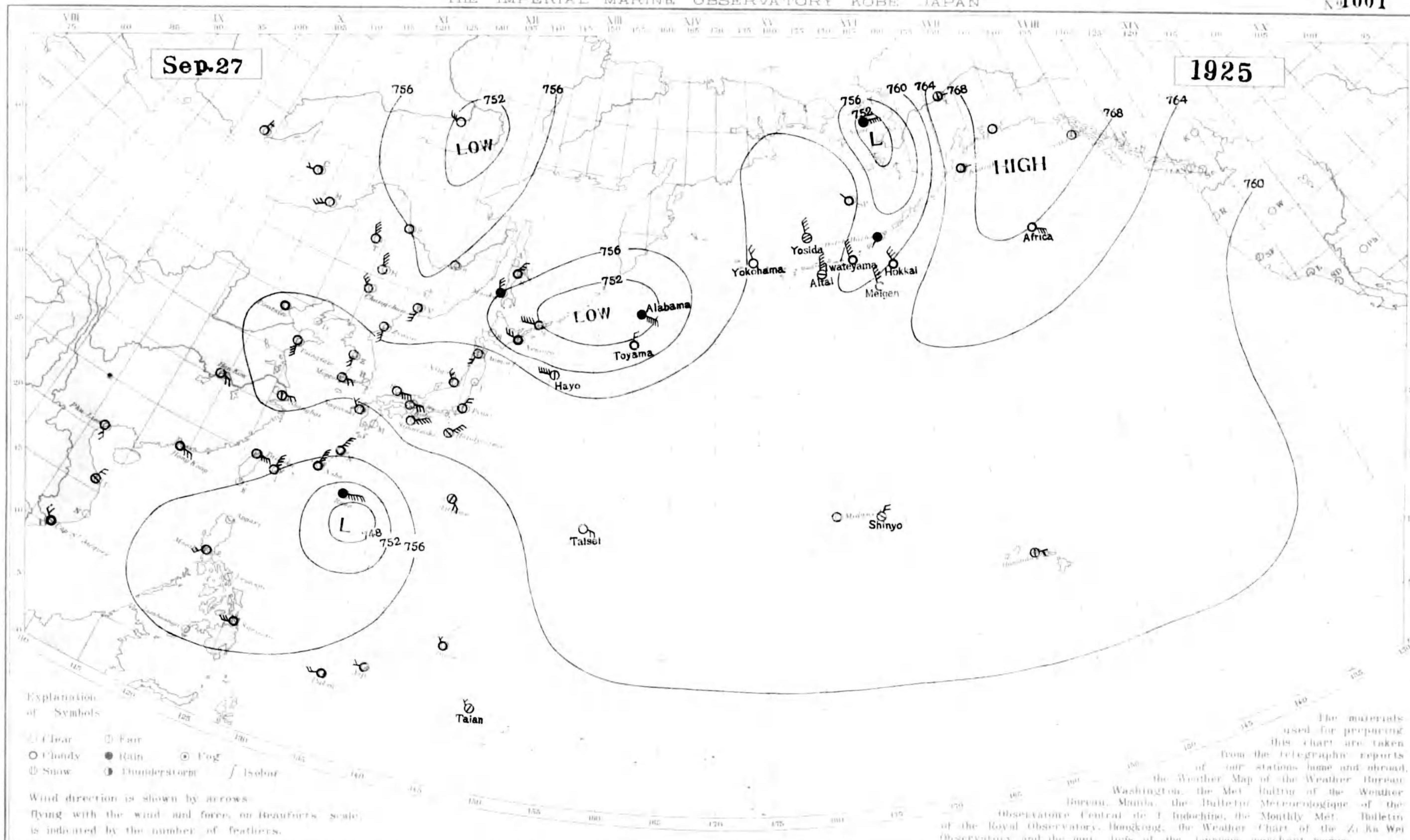
This chart is used for reporting
 has been taken
 from the telegraphic reports
 of our stations here and abroad
 the Weather Map of the Western Bureau
 Weathered on the 16th Bulletin of the Weather
 Bureau Month the Bulletin Marineographic of the
 Observatory Central on a continuous the Monthly Met. Bulletin
 of the Naval Observatory throughout the Weather Chart of the Zo-Ko-Wai
 Observatory and the other lines of the Japanese telegraphic network

| Station (Name of Observatory) | Enfuku (12° 13' N) | Yokohama (12° 13' N) | Nagasaki (12° 13' N) | Saigonsai (12° 13' N) | Kobe (12° 13' N) | Fuzhou (12° 13' N) | Hankow (12° 13' N) | Tientsin (12° 13' N) | Yokohama (12° 13' N) | Yokohama (12° 13' N) | Yokohama (12° 13' N) | Yokohama (12° 13' N) | Yokohama (12° 13' N) | Yokohama (12° 13' N) | Yokohama (12° 13' N) | Yokohama (12° 13' N) | Yokohama (12° 13' N) | Yokohama (12° 13' N) |
|-----------------------------------|----------------------|----------------------|----------------------|-----------------------|------------------|--------------------|--------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Barometric Pressure (1000 fms) | 759.0 | 758.9 | 761.4 | 760.2 | 760.7 | 759.0 | 759.5 | 759.6 | 763.4 | 756.8 | 753.4 | 750.6 | 762.8 | 762.5 | 761.4 | 763.3 | 764.2 | |
| Air Temperature (100 F) | 28.2 | 26.7 | 25.4 | 25.5 | 24.8 | 23.7 | 25.4 | 26.4 | 18.5 | 21.6 | 20.4 | 13.2 | 23.9 | 20.9 | 20.6 | 22.2 | 22.8 | |
| Direction and Force of Winds (12) | E 3 | NNE 4 | NW 2 | S 2 | ESE 2 | SSW 2 | NNE 2 | S 3 | S 2 | WSW 4 | W 2 | WSW 5 | N 2 | SSE 2 | SW 3 | SW 2 | SSE 2 | |
| Weather | rain | cloudy | cloudy | clear | fair | clear | cloudy | fair | cloudy | fair | clear | rain | clear | clear | cloudy | clear | clear | |
| Station (Name of Observatory) | Shanghai (12° 13' N) | Hankow (12° 13' N) | Hankow (12° 13' N) | Dairen (12° 13' N) | Hongkong (14°) | Manila (14°) | Singapore (14°) | Canton (14°) | Yokohama (14°) | Yokohama (14°) | Yokohama (14°) | Yokohama (14°) | Yokohama (14°) | Yokohama (14°) | Yokohama (14°) | Yokohama (14°) | Yokohama (14°) | |
| Barometric Pressure (1000 fms) | 763.3 | 761.1 | 755.5 | 756.6 | 758.9 | 756.2 | - | 757.0 | 756.7 | 761.6 | 760.7 | 760.5 | 760.0 | 756.9 | 757.1 | - | 770.1 | |
| Air Temperature (100 F) | 25.5 | 29.9 | 28.1 | 27.9 | 29. | 31. | - | - | 29. | 29. | 29. | 26. | 23. | 9. | 7. | - | 9. | |
| Direction and Force of Winds (12) | E 2 | E 2 | NE 4 | SW 2 | E 4 | SW 2 | - | - | E 2 | SW 3 | NW - | E 2 | NE 3 | SE 4 | N - | - | SE - | |
| Weather | clear | fair | cloudy | cloudy | cloudy | cloudy | - | - | cloudy | cloudy | fair | clear | cloudy | cloudy | cloudy | - | cloudy | |

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Mean of the meridian of 135° E.)
THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No. 1001



The materials used for preparing this chart are taken from the telegraphic reports of our stations home and abroad, the Weather Map of the Weather Bureau, Washington, the Met. Bulletin of the Weather Bureau, Manila, the Bulletin Météorologique of the Observatoire Central de l'Indochine, the Monthly Met. Bulletin of the Royal Observatory, Hongkong, the Weather Chart of the Zo Ka Wei Observatory and the met. logs of the Japanese merchant marine.

| Station | Taihoku 12° 13' N, 135° 5' | Naha 12° 13' N, 135° 5' | Nagasaki 12° 13' N, 135° 5' | Susaki 12° 13' N, 135° 5' | Kobe 12° 13' N, 135° 5' | Yokohama 12° 13' N, 135° 5' | Hatayama 12° 13' N, 135° 5' | Tokushima 12° 13' N, 135° 5' | Niigata 12° 13' N, 135° 5' | Amori 12° 13' N, 135° 5' | Nemuro 12° 13' N, 135° 5' | Mokai 12° 13' N, 135° 5' | Mopu 12° 13' N, 135° 5' | Zyosin 12° 13' N, 135° 5' | Changshun 12° 13' N, 135° 5' | Tientsin 12° 13' N, 135° 5' | Tsingtau 12° 13' N, 135° 5' |
|--|-------------------------------|----------------------------|--------------------------------|------------------------------|----------------------------|--------------------------------|--------------------------------|---------------------------------|-------------------------------|-----------------------------|------------------------------|-----------------------------|----------------------------|------------------------------|---------------------------------|--------------------------------|--------------------------------|
| Hour of Observation | | | | | | | | | | | | | | | | | |
| Air Pressure (ft. to m. s. l. and 30 in. to 1013.25 hPa) | 757.9 | 754.8 | 759.6 | 761.3 | 761.9 | 762.3 | 760.3 | 759.0 | 763.4 | 760.5 | 753.8 | 756.0 | 761.1 | 759.7 | 759.3 | 760.1 | 760.7 |
| Air Temperature (in °C) | 30.0 | 27.6 | 26.7 | 22.6 | 22.8 | 22.0 | 26.0 | 28.4 | 22.6 | 21.3 | 18.8 | 14.3 | 24.2 | 13.8 | 11.9 | 23.2 | 25.1 |
| Direction and Force of Winds (0-12) | E 4 | NNE 5 | NW 1 | ENE 5 | E 3 | NNE 2 | NE 4 | SE 2 | NW 2 | SSW 2 | WNW 3 | NNW 3 | E 2 | S 4 | NW 3 | - 1 | S 4 |
| Weather | clear | cloudy | clear | clear | clear | clear | fair | fair | clear | clear | cloudy | rain | clear | clear | cloudy | cloudy | cloudy |

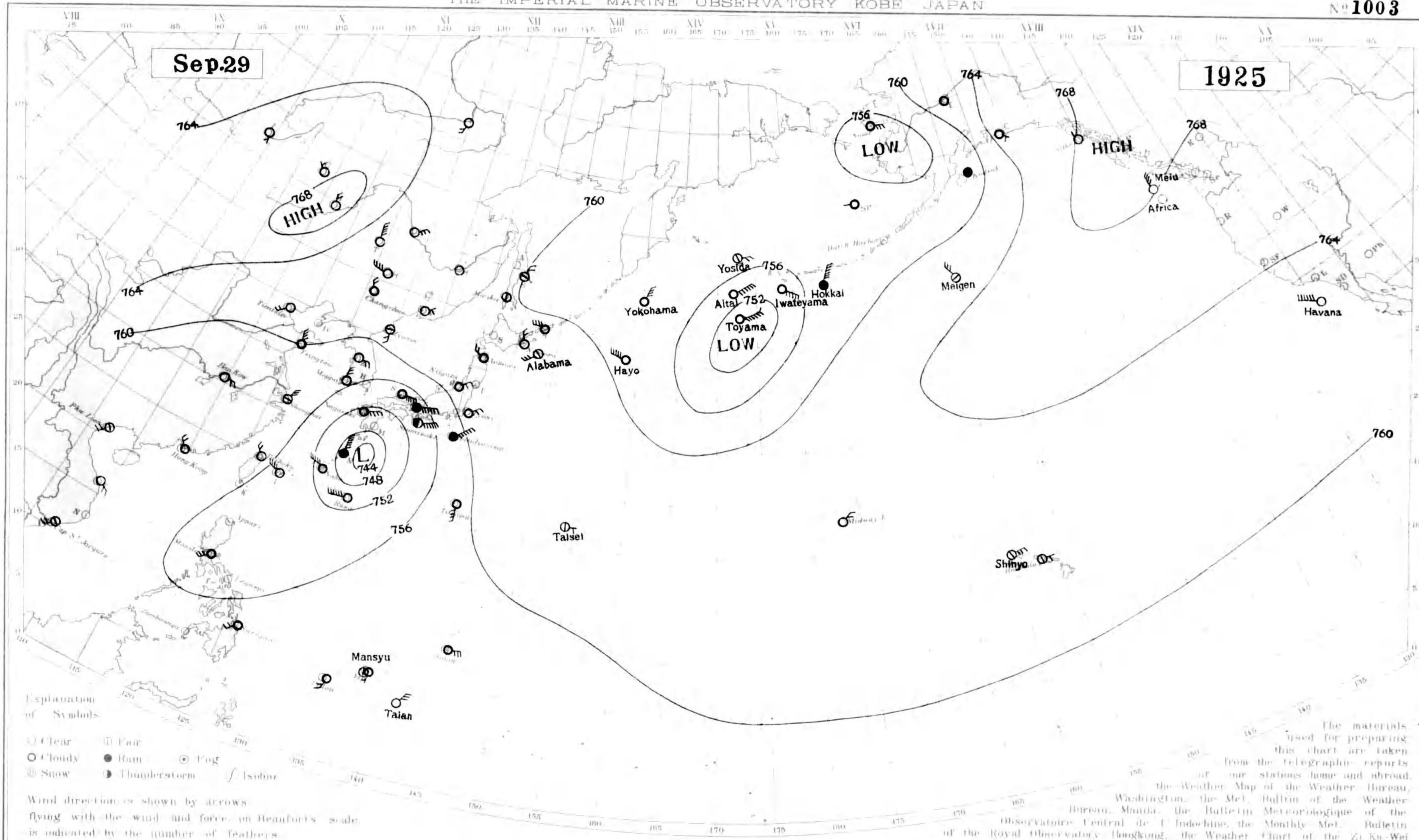
| Station | Shanghai 12° 13' N, 135° 5' | Hankow 12° 13' N, 135° 5' | Rusa 12° 13' N, 135° 5' | Pusan 12° 13' N, 135° 5' | Hongkong 14° 5' | Manila 14° 5' | Surigo 14° 5' | Guam 14° 5' | Yap 14° 5' | Panama 10° 5' | Cap. Lopez 10° 5' | Honolulu 20° 5' | Midway I. 19° 5' | Niue 20° 13' W | Sales 20° 13' W | Dutch Harbor 20° 13' W | Kodiak 20° 13' W |
|--|--------------------------------|------------------------------|----------------------------|-----------------------------|--------------------|------------------|------------------|----------------|---------------|------------------|----------------------|--------------------|---------------------|-------------------|--------------------|---------------------------|---------------------|
| Hour of Observation | | | | | | | | | | | | | | | | | |
| Air Pressure (ft. to m. s. l. and 30 in. to 1013.25 hPa) | 761.0 | 759.5 | 749.9 | 756.6 | 757.7 | 755.7 | 756.0 | 757.2 | 757.2 | 759.2 | 759.3 | 760.5 | 760.5 | 751.8 | 768.6 | 757.9 | 765.5 |
| Air Temperature (in °C) | 25.3 | 29.6 | 25.6 | 29.8 | 27.0 | 30.0 | 30.0 | - | - | 30.0 | 27.0 | 26.0 | 21.0 | 8.0 | 8.0 | 8.0 | 9.0 |
| Direction and Force of Winds (0-12) | ENE 2 | E 2 | ENE 6 | WSW 2 | E 3 | SW 2 | WSW 3 | NW 1 | W 1 | SSE 2 | NW 2 | E 1 | calm | E 5 | calm | SW - | E - |
| Weather | fair | clear | rain | cloudy | cloudy | clear | cloudy | cloudy | cloudy | clear | cloudy | fair | clear | rain | clear | rain | cloudy |

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No. 1003



Explanation of Symbols
 ○ Clear ☁ Fair
 ☉ Cloudy ● Rain ☉ Fog
 ❄ Snow ⚡ Thunderstorm / Isobar

Wind direction is shown by arrows flying with the wind and force on Beaufort's scale is indicated by the number of feathers.

The materials used for preparing this chart are taken from the telegraphic reports of our stations home and abroad, the Weather Map of the Weather Bureau, Washington, the Met. Bulletin of the Weather Bureau, Manila, the Bulletin Meteorologique of the Observatoire Central de l'Indochine, the Monthly Met. Bulletin of the Royal Observatory, Hongkong, the Weather Chart of the Zi-Ku-Wei Observatory and the met. logs of the Japanese merchant marine.

| Station | Doboku (12° 135° E) | Naha (12° 135° E) | Nagasaki (12° 135° E) | Somotsuki (12° 135° E) | Raha (12° 135° E) | Tyosa (12° 135° E) | Hanryosima (12° 135° E) | Tilizima (12° 135° E) | Nagato (12° 135° E) | Aomori (12° 135° E) | Nemuro (12° 135° E) | Miyako (12° 135° E) | Miyako (12° 135° E) | Zyosin (12° 135° E) | Changchun (12° 135° E) | Tientsin (12° 135° E) | Tsingtau (12° 135° E) |
|--|--------------------------|------------------------|--------------------------|---------------------------|----------------------|-----------------------|----------------------------|--------------------------|------------------------|------------------------|-------------------------|------------------------|------------------------|------------------------|---------------------------|------------------------------|--------------------------|
| Hour of Observation | | | | | | | | | | | | | | | | | |
| Atm. Pressure (Red to m.s.l. and Std. 101) | 757.2 | 751.6 | 751.0 | 752.8 | 755.7 | 760.9 | 757.7 | 757.6 | 760.2 | 762.2 | 761.9 | 762.1 | 756.2 | 761.9 | 760.7 | 760.7 | 760.0 |
| Air Temperature (in C) | 27.2 | 27.9 | 23.8 | 21.0 | 20.1 | 22.4 | 23.0 | 23.8 | 23.8 | 22.0 | 21.7 | 15.5 | 25.4 | 20.4 | 14.0 | 24.7 | 23.2 |
| Direction and Force of Winds (0-12) | NW 2 | WNW 5 | NE 4 | ENE 6 | ENE 6 | NE 2 | NE 6 | S 4 | NE 2 | WNW 2 | NNW 2 | - 1 | N 3 | SSE 2 | NNW 2 | SW 2 | NNW 4 |
| Weather | clear | cloudy | cloudy | th.s. | rain | cloudy | rain | cloudy | cloudy | cloudy | clear | fair | clear | fair | cloudy | clear | cloudy |
| Station | Shanghai (12° 135° E) | Hankow (12° 135° E) | Hsu (12° 135° E) | Peking (12° 135° E) | Hongkong (14°) | Manila (14°) | Surigao (14°) | Guan (14°) | Yap (14°) | Phi Lien (10°) | Cap St Jacques (10°) | Honolulu (20°) | Midway I (10° 20°) | Nome (20° 135° W) | Sika (20° 135° W) | Dutch Harbor (20° 135° W) | Kodiak (20° 135° W) |
| Hour of Observation | | | | | | | | | | | | | | | | | |
| Atm. Pressure (Red to m.s.l. and Std. 101) | 753.3 | 753.8 | 751.5 | 757.7 | 756.8 | 756.4 | 757.3 | 757.8 | 758.5 | 757.9 | 759.1 | 762.0 | 762.5 | 754.9 | 768.0 | - | 757.9 |
| Air Temperature (in C) | 25.2 | 28.7 | 27.4 | 30.6 | 30. | 31. | 32. | - | - | 32. | 29. | 26. | 23. | 6. | 7. | - | 10. |
| Direction and Force of Winds (0-12) | NNE 3 | E 2 | W 6 | SSW 2 | NW 2 | SW 3 | SW 2 | E 3 | S 1 | SW 2 | SW 2 | E 1 | NE 2 | E 3 | N - | - | calm |
| Weather | fair | clear | cloudy | cloudy | cloudy | cloudy | cloudy | cloudy | cloudy | fair | fair | fair | clear | cloudy | clear | - | rain |

日九二月九四一

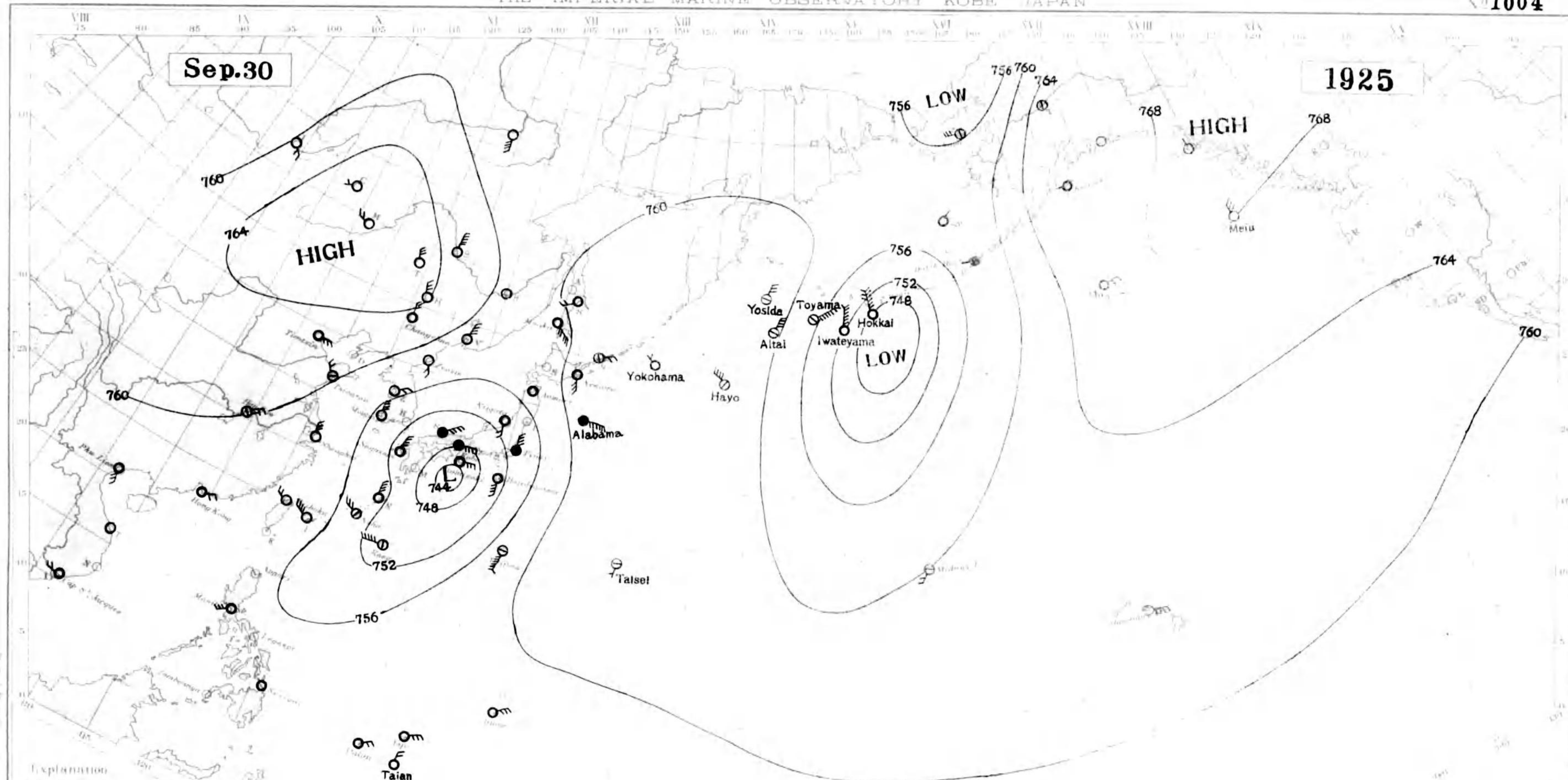
圖氣天洋平大北

號三〇〇一第

DAILY WEATHER CHART OF THE NORTH-PACIFIC OCEAN

(Noon of the meridian of 135° E.)
THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

NO 1004



Explanation of Symbols
 ○ Clear ⊙ Fair
 ⊖ Cloudy ● Rain ⊕ Fog
 ⊖ Snow ⊖ Thunderstorm / Isobar

Wind direction is shown by arrows flying with the wind and force, on Beaufort's scale is indicated by the number of feathers.

The materials used in preparing this chart are taken from the telegraphic reports of our stations home and abroad and the Weather Bureau of the United States, the Meteorological Bureau of the Netherlands, the Bureau of the Japanese Meteorology, the Bureau of the Imperial Japanese Navy, the Monthly Marine Bulletin of the Imperial Observatory, and the Weather Chart of the Japanese Meteorology.

| Station | Tokohu 12° 135 E | Naha 12° 135 E | Nagasaki 12° 135 E | Shimonoseki 12° 135 E | Kobe 12° 135 E | Tyosu 12° 135 E | Hatoyosima 12° 135 E | Tsuzuma 12° 135 E | Niizumi 12° 135 E | Amami 12° 135 E | Nemuro 12° 135 E | Miyako 12° 135 E | Miyako 12° 135 E | Yokohama 12° 135 E | Yokohama 12° 135 E | Yokohama 12° 135 E | Yokohama 12° 135 E |
|---|---------------------|-------------------|-----------------------|--------------------------|-------------------|--------------------|-------------------------|----------------------|----------------------|--------------------|---------------------|---------------------|---------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Hour of Observation | | | | | | | | | | | | | | | | | |
| Air Pressure (Red to m. s. l. and Std. to m. s. l. not reduced to Std. to m. s. l.) | 758.6 | 755.6 | 750.2 | 745.0 | 748.0 | 752.5 | 751.3 | 757.3 | 752.7 | 756.6 | 760.4 | 759.6 | 754.6 | 759.7 | 763.8 | 762.8 | 760.1 |
| Air Temperature (in C) | 23.4 | 27.0 | 23.6 | 25.7 | 21.3 | 22.4 | 17.2 | 28.0 | 25.8 | 22.0 | 19.2 | 15.4 | 26.9 | 20.6 | 14.2 | 17.7 | 23.2 |
| Direction and Force of Winds (0-12) | WNW 2 | WNW 3 | NNE 5 | ENE 3 | ENE 4 | N 4 | S 4 | SSW 7 | SSE 2 | - 1 | SSE 3 | SE 5 | N 4 | SSE 2 | N 2 | E 3 | NW 2 |
| Weather | clear | fair | cloudy | cloudy | rain | rain | cloudy | fair | cloudy | cloudy | cloudy | cloudy | clear | clear | cloudy | cloudy | fair |

| Station | Shanghai 12° 135 E | Hankow 12° 135 E | Rangoon 12° 135 E | Panama 12° 135 E | Hongkong 14° | Manila 14° | Singapore 14° | Canton 14° | Yokohama 14° | Phu Lian 14° | San Francisco 14° | Honolulu 14° | Midway 14° | San Diego 14° | Silk Bay 14° | San Pedro de Macoris 14° | Kodiak 14° |
|---|-----------------------|---------------------|----------------------|---------------------|-----------------|---------------|------------------|---------------|-----------------|-----------------|----------------------|-----------------|---------------|------------------|-----------------|-----------------------------|---------------|
| Hour of Observation | | | | | | | | | | | | | | | | | |
| Air Pressure (Red to m. s. l. and Std. to m. s. l. not reduced to Std. to m. s. l.) | 758.5 | 760.6 | 750.9 | 757.7 | 757.4 | 757.0 | 757.3 | 757.8 | 758.3 | 758.3 | 760.0 | 761.0 | 760.0 | 755.9 | 768.6 | - | 767.1 |
| Air Temperature (in C) | 26.6 | 27.7 | 27.3 | 29.8 | 29. | 31. | 30. | - | 30. | 30. | 27.0 | 28.1 | 23. | 7. | 7. | 11. | 14. |
| Direction and Force of Winds (0-12) | NNW 3 | NE 2 | W 5 | NE 2 | ENE 2 | SW 3 | calm | NE 3 | ENE 3 | SSE 3 | W 2 | E 4 | SW 2 | W 3 | N - | W - | W - |
| Weather | clear | fair | fair | cloudy | cloudy | cloudy | cloudy | cloudy | cloudy | cloudy | cloudy | clear | fair | fair | clear | rain | cloudy |

日三廿九一四一

圖氣天洋平大北

號四〇〇一第

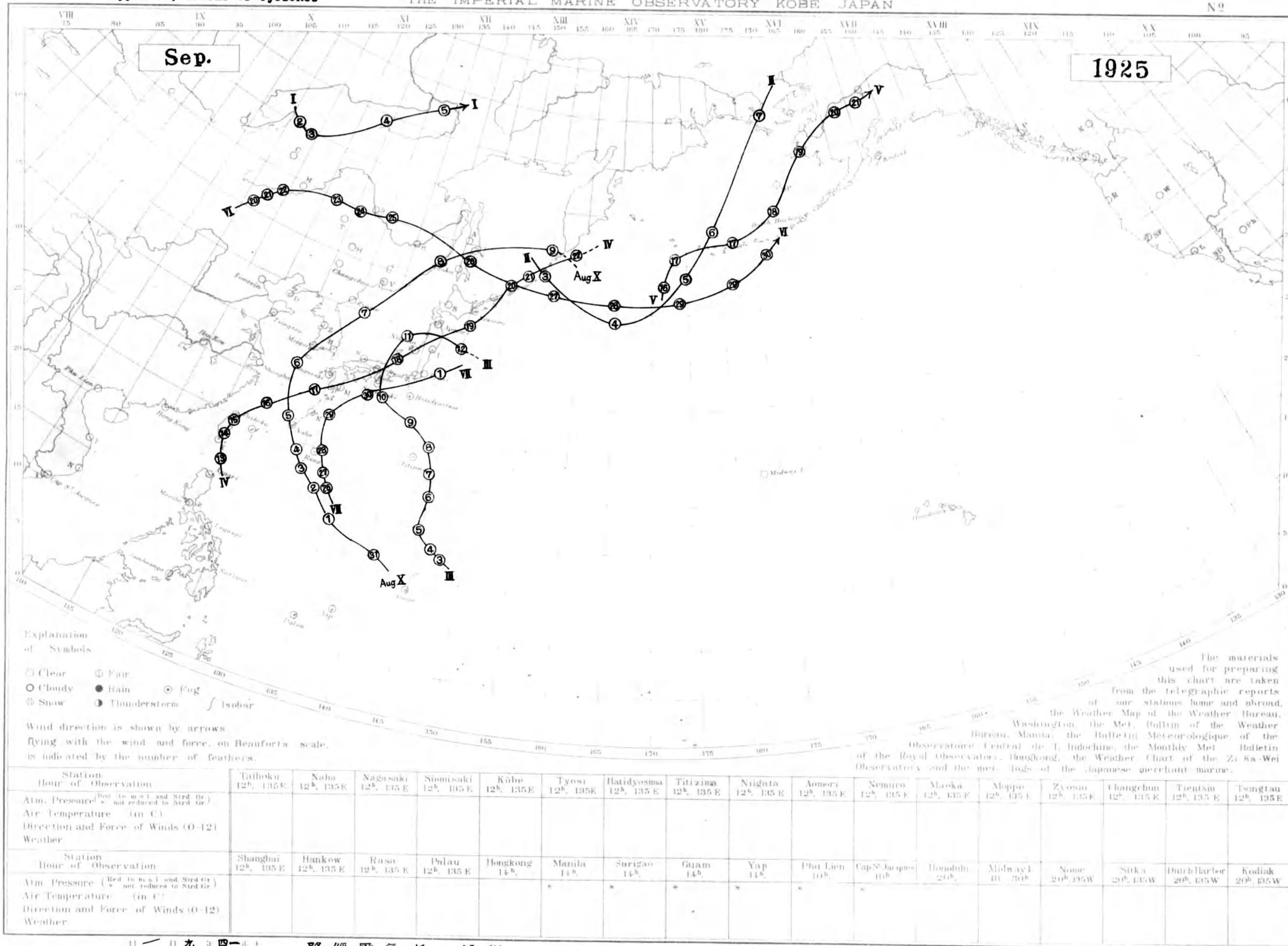
DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No. 2

Appendix; Tracks of Cyclones



Explanation of Symbols

- ☉ Clear
- ☁ Cloudy
- ☎ Snow
- ☉ Four
- Rain
- ☉ Fog
- ☉ Thunderstorm
- Isobar

Wind direction is shown by arrows flying with the wind and force, on Beaufort's scale, is indicated by the number of feathers.

The materials used for preparing this chart are taken from the telegraphic reports of our stations home and abroad, the Weather Map of the Weather Bureau, Washington, the Met. Bulletin of the Weather Bureau, Manila, the Bulletin Meteorologique of the Observatoire Central de l'Indochine, the Monthly Met. Bulletin of the Royal Observatory, Hongkong, the Weather Chart of the Zi Ka-Wei Observatory and the met. logs of the Japanese merchant marine.

| Station | Tokohu | Naha | Nagasaki | Simotsuki | Kobe | Tyosu | Hatidyosma | Titizima | Niigata | Aomori | Nemuro | Moeka | Mappa | Zyosui | Changchun | Tientsin | Tsingtau |
|--|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| Hour of Observation | 12 ^h , 135 ^E | 12 ^h , 135 ^E | 12 ^h , 135 ^E | 12 ^h , 135 ^E | 12 ^h , 135 ^E | 12 ^h , 135 ^E | 12 ^h , 135 ^E | 12 ^h , 135 ^E | 12 ^h , 135 ^E | 12 ^h , 135 ^E | 12 ^h , 135 ^E | 12 ^h , 135 ^E | 12 ^h , 135 ^E | 12 ^h , 135 ^E | 12 ^h , 135 ^E | 12 ^h , 135 ^E | 12 ^h , 135 ^E |
| Atm. Pressure (Red to h. s. l. and Std. Gr. * not reduced to Std. Gr.) | | | | | | | | | | | | | | | | | |
| Air Temperature (in C) | | | | | | | | | | | | | | | | | |
| Direction and Force of Winds (0-12) | | | | | | | | | | | | | | | | | |
| Weather | | | | | | | | | | | | | | | | | |
| Station | Shanghai | Hankow | Rasa | Pelau | Hongkong | Manila | Surigao | Guam | Yap | Phi Lien | Cap St. Jacques | Honolulu | Midway I. | Nome | Sitka | Dutch Harbor | Kodiak |
| Hour of Observation | 12 ^h , 135 ^E | 12 ^h , 135 ^E | 12 ^h , 135 ^E | 12 ^h , 135 ^E | 14 ^h | 14 ^h | 14 ^h | 14 ^h | 14 ^h | 10 ^h | 10 ^h | 20 ^h | 01 ^h , 30 ^h | 20 ^h , 35 ^W | 20 ^h , 135 ^W | 20 ^h , 135 ^W | 20 ^h , 135 ^W |
| Atm. Pressure (Red to h. s. l. and Std. Gr. * not reduced to Std. Gr.) | | | | | | | | | | | | | | | | | |
| Air Temperature (in C) | | | | | | | | | | | | | | | | | |
| Direction and Force of Winds (0-12) | | | | | | | | | | | | | | | | | |
| Weather | | | | | | | | | | | | | | | | | |

不許複製

印刷所

海洋氣象臺

印刷者
發行兼

海洋氣象臺

神戸市中山手通七丁目

大正十四年三月十日發行
大正十四年三月十三日印刷

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