

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 99 100

北太平洋天氣圖

大正十三年二月

神戶

海氣象臺

DAILY WEATHER CHARTS

OF THE

NORTH PACIFIC OCEAN.

FEBRUARY

1924

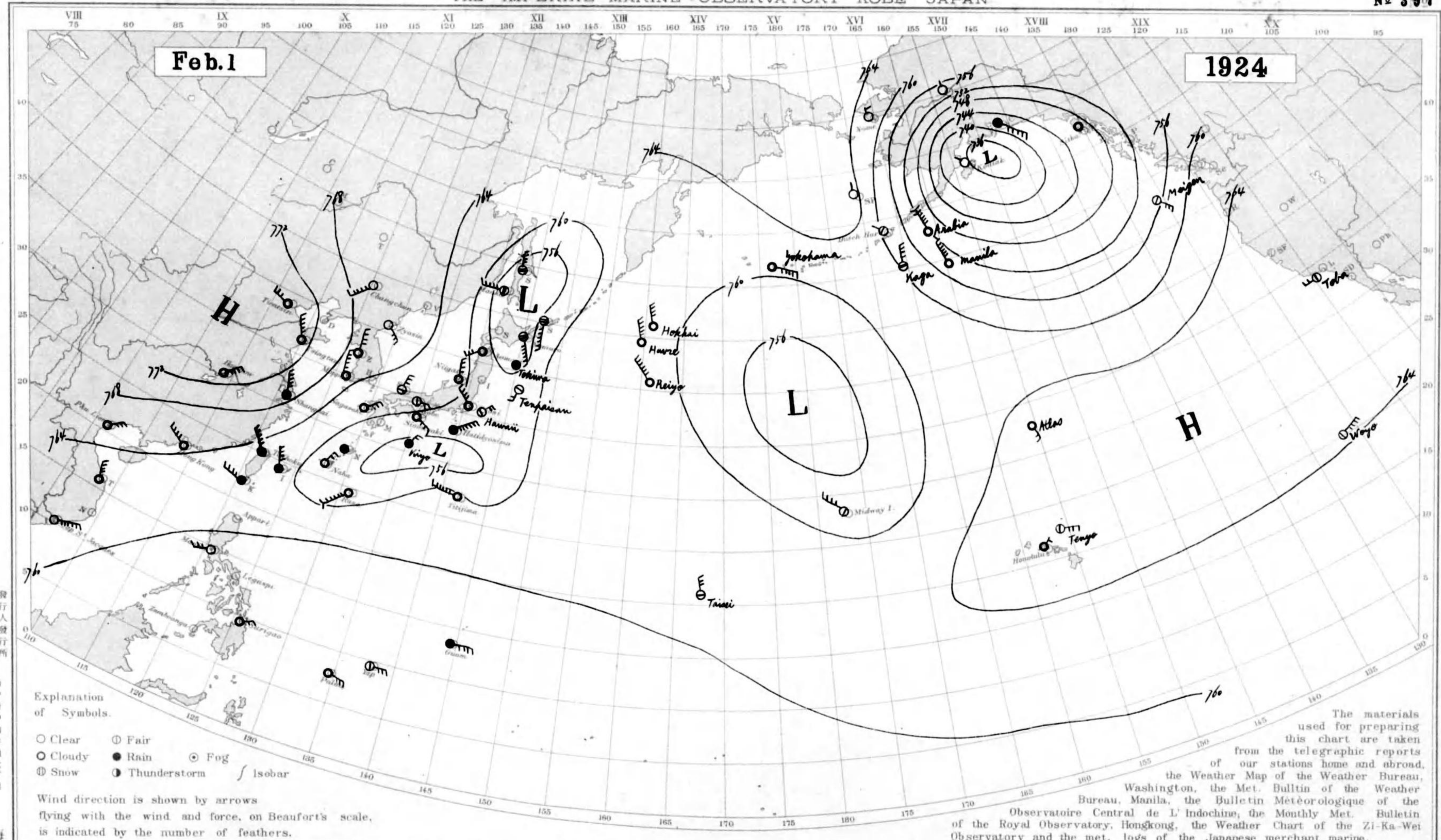


THE IMPERIAL MARINE OBSERVATORY,
KOBE, JAPAN.

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

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

No. 397



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 Zi-Ka-Wei Observatory and the met. logs of the Japanese merchant marine.

Station	Taihoku	Naha	Nagasaki	Siomisaki	Kobe	Tyosi	Hatidyosima	Titi zima	Niigata	Aomori	Nemuro	Maoka	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
Atm. Pressure (Red. to m.s.l. and Strd. Gr.)	763.2	759.2	760.6	760.1	760.7	768.2	756.2	760.7	761.4	759.2	753.7	754.8	764.2	766.4	766.2	774.2	772.7
Air Temperature (in C)	17.0	19.9	9.5	12.0	9.4	6.6	13.1	21.1	4.1	1.4	0.2	-4.5	2.0	-1.2	-11.0	-2.0	-1.2
Direction and Force of Winds (0-12)	NW 5	NNE 2	NE 3	ESE 3	E 2	NW 4	NE 6	WNW 6	N 4	SW 3	SSW 6	W 5	N 7	SE 3	SW 5	WNW 3	NW 5
Weather	rain	cloudy	cloudy	cloudy	fair	cloudy	rain	cloudy	cloudy	cloudy	snow	snow	cloudy	clear	clear	cloudy	cloudy
Station	Shanghai	Hankow	Rasa	Palau	Hongkong	Manila	Surigao	Guam	Yap	Phu-Lien	Cap-S-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	18:30 ^h	20 ^h , 135 W	20 ^h , 135 W	20 ^h , 135 W	20 ^h , 135 W
Atm. Pressure (Red. to m.s.l. and Strd. Gr.)	768.9	774.8	769.4	768.5	764.3	760.9	760.6	760.1	759.7	767.1	763.2	766.5	759.5	763.0	746.8	760.0	737.1
Air Temperature (in C)	2.5	4.7	25.1	27.4	20.	29.	28.	-	-	20.	26.	22.	18.	-32.	4.	-7.	0.
Direction and Force of Winds (0-12)	NNW 5	NE 4	SW 7	ESE 3	NW 4	WSW 3	ENE 2	E 4	E 3	NE 3	ENE 6	NE 1	NW 4	N 1	calm	NW -	NW -
Weather	rain	cloudy	cloudy	cloudy	cloudy	clear	clear	rain	fair	cloudy	clear	cloudy	fair	clear	cloudy	fair	clear

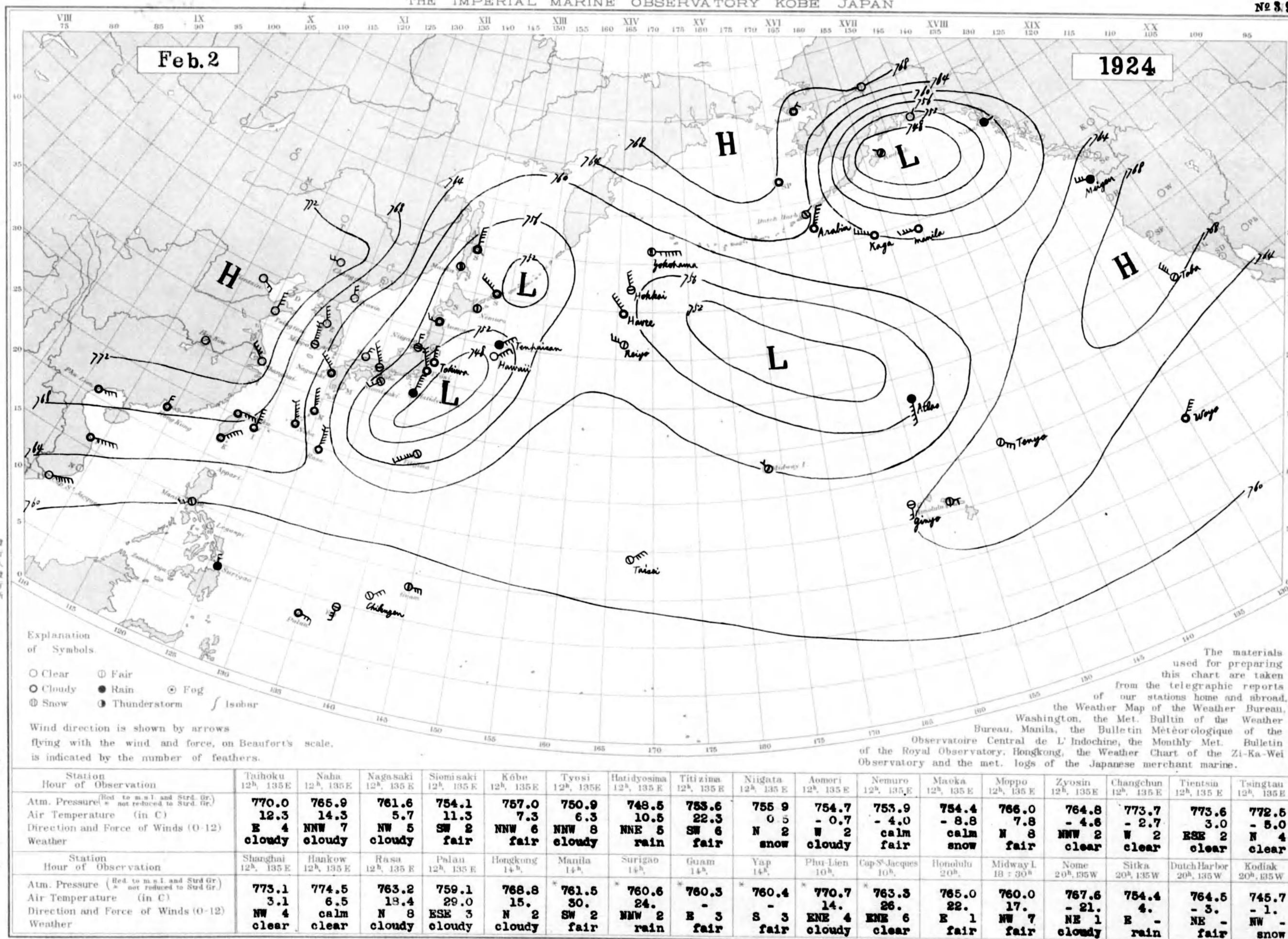
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DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No. 3,98



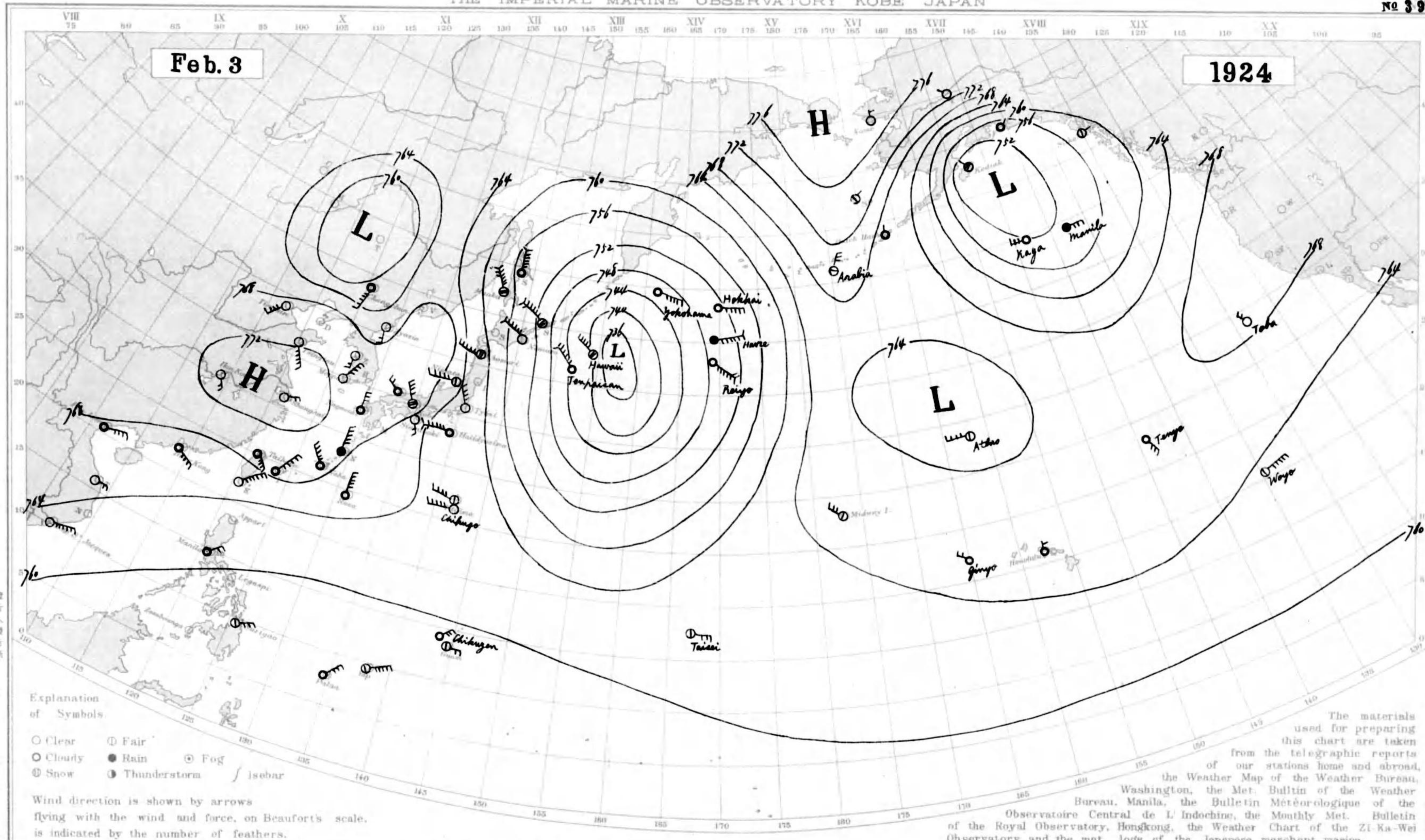
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神戸市中山手通七丁目
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DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 399

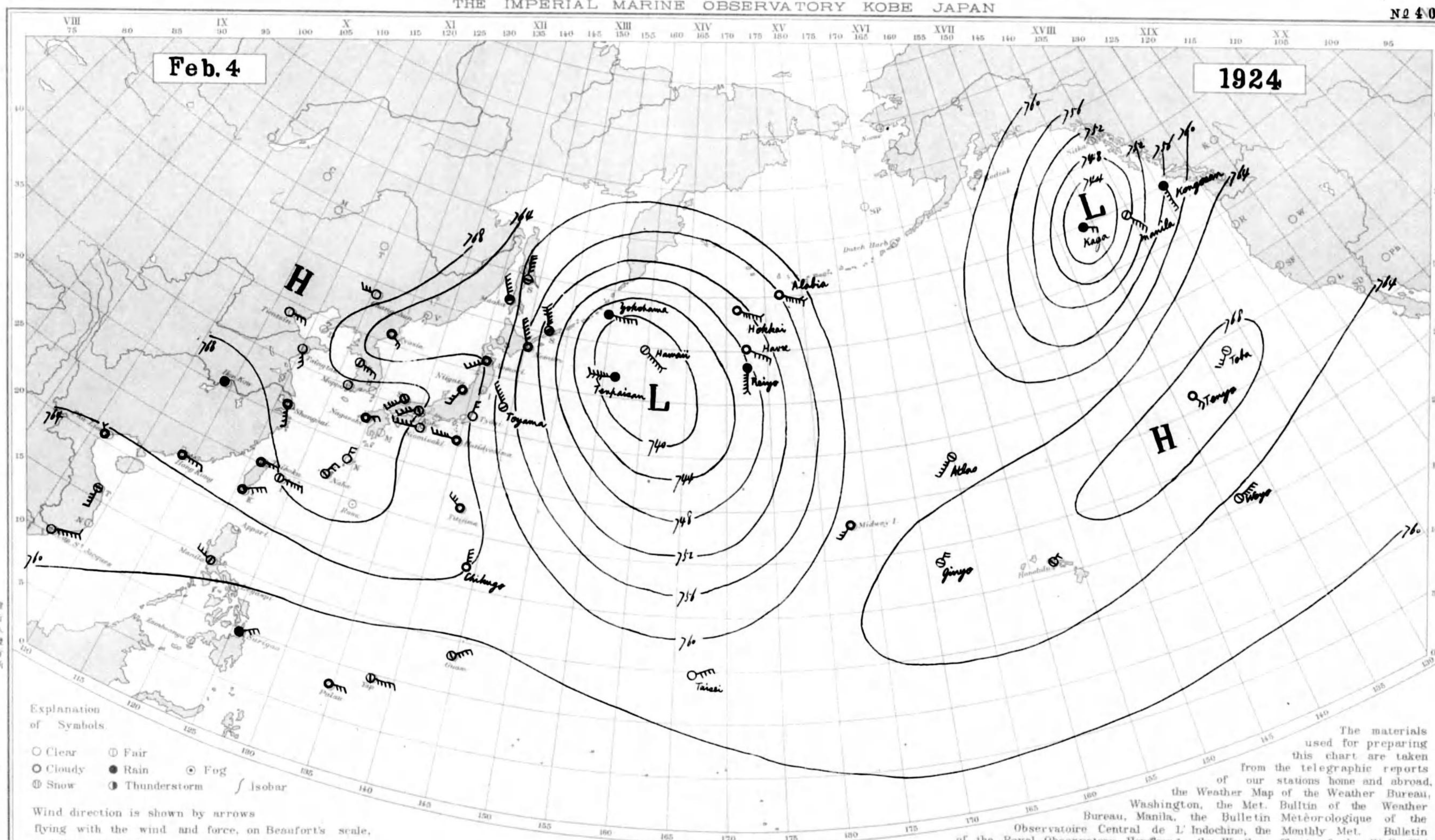


Station	Taihoku	Naha	Nagasaki	Siogasaki	Kobe	Tyosi	Hatidyosima	Titi zima	Niigata	Aomori	Nemuro	Maoka	Moppo	Zyosin	Changchun	Tientsin	Tsingtan
Hour of Observation	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	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 m.s.l. and Std. Gr.)	770.6	769.0	769.2	765.2	768.8	762.5	762.3	762.1	767.0	761.0	754.9	757.3	771.3	765.4	763.5	768.4	771.8
Air Temperature (in C)	12.8	15.0	6.8	6.4	1.5	2.1	6.6	19.3	-14.	-4.1	-9.2	-12.0	3.5	-1.8	-2.5	2.8	3.1
Direction and Force of Winds (0-12)	SE 4	NW 5	N 3	SSE 2	NNW 4	NNW 4	W 8	WNW 4	W 5	WNW 5	NW 7	NNW 9	NNE 4	S 2	SSW 5	SW 4	SSE 5
Weather	cloudy	cloudy	cloudy	clear	snow	clear	cloudy	fair	fair	snow	clear	snow	clear	clear	cloudy	clear	clear
Station	Shanghai	Hankow	Rasa	Palau	Hongkong	Manila	Surigan	Guam	Yap	Phu-Lien	Cap-S-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	18:30 ^h	20 ^h , 135 W	20 ^h , 135 W	20 ^h , 135 W	20 ^h , 135 W
Atm. Pressure (Red to m.s.l. and Std. Gr.)	773.4	772.1	766.7	769.0	766.2	761.8	760.6	761.3	760.3	769.6	763.6	765.0	765.0	776.7	768.9	767.6	751.3
Air Temperature (in C)	5.0	8.3	18.3	29.2	15.	27.1	27.	-	-	15.	26.	22.	17.	-27.	8.	-2.	-2.
Direction and Force of Winds (0-12)	ENE 2	SSE 2	N 5	NE 3	ESE 4	NE 2	ENE 3	E 2	ENE 5	ENE 4	ENE 7	N 1	NW 3	N 1	E -	N -	NW -
Weather	clear	clear	cloudy	cloudy	cloudy	cloudy	fair	fair	fair	cloudy	clear	cloudy	fair	clear	fair	cloudy	snow

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

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

No 400



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 Zi-Ka-Wei Observatory and the met. logs of the Japanese merchant marine.

Station	Taihoku	Naha	Nagasaki	Siomiasaki	Kobe	Tyosai	Hatidyosima	Titizima	Niigata	Aomori	Nemuro	Maoka	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
Atm. Pressure (Red. to m.s.l. and Std. Gr.)	766.9	769.5	770.2	766.6	767.9	764.0	765.6	765.6	765.9	763.8	755.6	761.9	770.4	763.4	771.1	770.5	769.8
Air Temperature (in C)	19.0	17.5	7.0	9.6	6.0	5.5	8.1	17.2	1.4	0.4	-4.0	-7.2	7.4	6.3	-9.0	4.0	5.6
Direction and Force of Winds (0-12)	E 3	NNE 2	E 2	W 5	SW 4	N 2	W 5	NW 3	SSW 3	SW 4	NNW 8	NNW 5	calm	SE 2	W 3	E 3	SSE 3
Weather	cloudy	fair	cloudy	clear	fair	clear	cloudy	cloudy	cloudy	cloudy	cloudy	snow	clear	cloudy	clear	clear	clear
Station	Shanghai	Hankow	Rusa	Pdnu	Hongkong	Manila	Surigao	Guam	Yap	Phi-Lien	Cap-S-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	18 ^h , 30 ^h	20 ^h , 135 W	20 ^h , 135 W	20 ^h , 135 W	20 ^h , 135 W
Atm. Pressure (Red. to m.s.l. and Std. Gr.)	769.1	767.2	-	758.8	764.9	761.6	760.4	760.6	760.2	765.3	762.7	766.6	763.6	-	-	-	-
Air Temperature (in C)	4.3	8.3	-	27.3	17.	29.	29.	-	-	17.	25.	22.	19.	-	-	-	-
Direction and Force of Winds (0-12)	SSE 4	calm	-	E 3	E 4	WNW 3	ENE 3	NE 4	E 5	NW 1	ENE 7	NE 1	SW 3	-	-	-	-
Weather	cloudy	rain	-	cloudy	cloudy	fair	rain	fair	fair	cloudy	clear	fair	cloudy	-	-	-	-

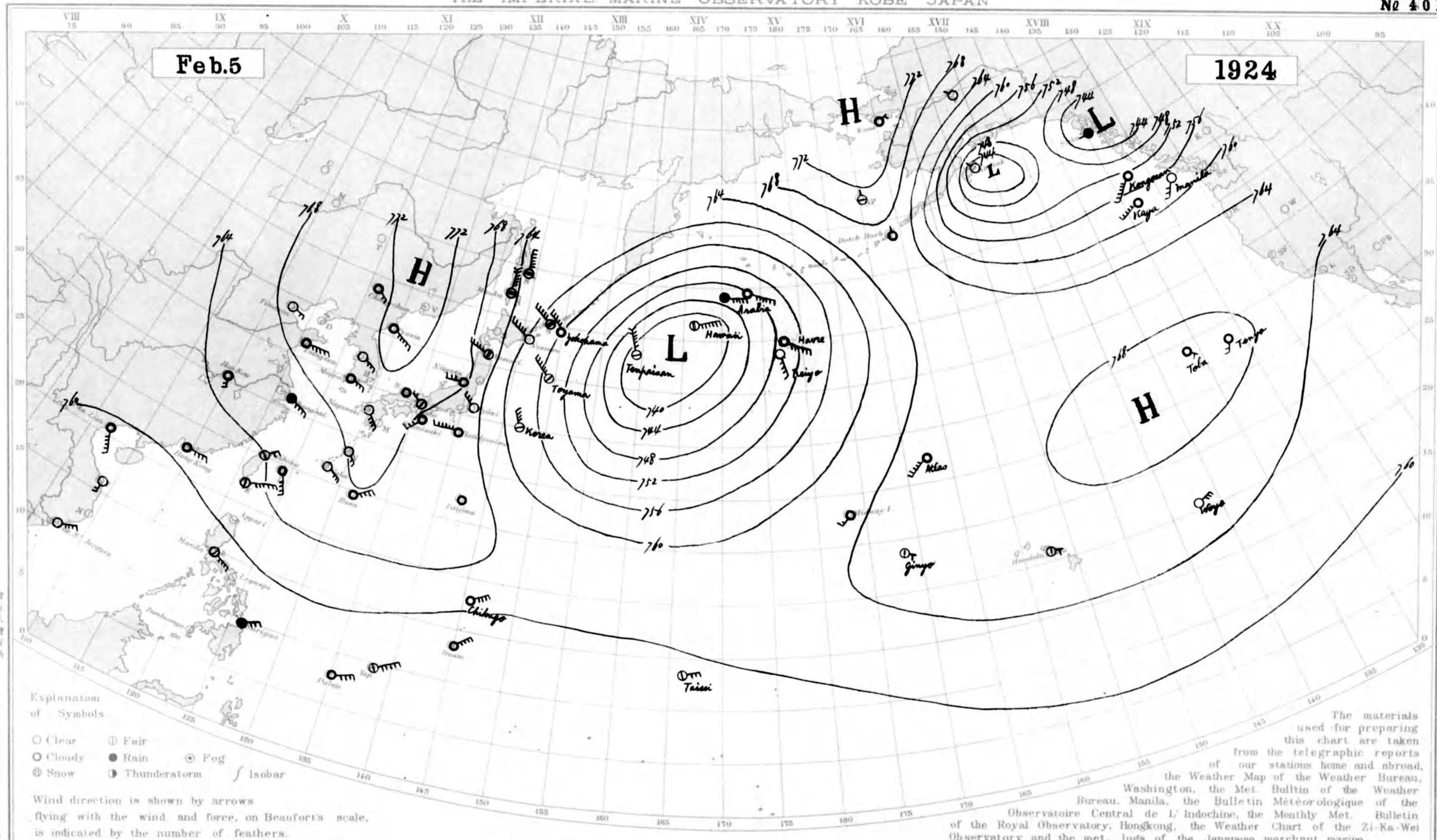
日 四 月 二 年 三 十 正 大

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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 401



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 Zi-Ka-Wei Observatory and the met. logs of the Japanese merchant marine.

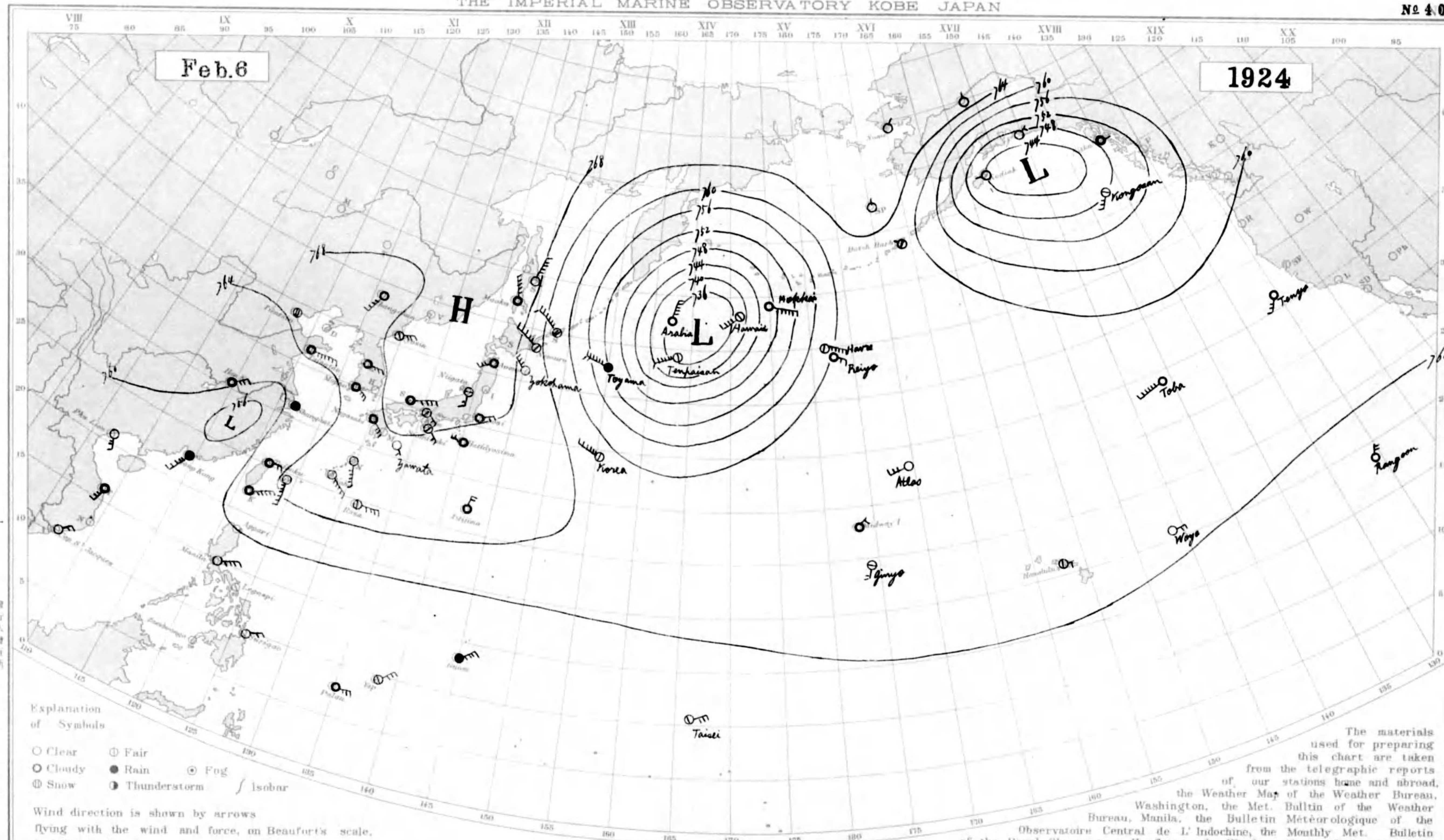
Station	Taihoku	Naha	Nagasaki	Siemsaki	Kobe	Tyosi	Hatidyosima	Tiizima	Niigata	Aomori	Nemuro	Maoka	Moppo	Zyosin	Changchun	Tientsin	Tsingtau
Hour of Observation	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^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
Atm. Pressure (Red to m.s.l. and Std. Gr.)	764.0	767.3	769.6	767.4	769.1	765.2	765.3	766.2	768.8	765.7	769.7	764.1	769.3	773.7	771.6	771.1	769.5
Air Temperature (in C)	23.0	21.9	9.7	11.4	9.0	9.2	11.0	17.3	4.7	0.5	-3.3	-7.4	9.1	-0.4	-7.1	3.7	5.4
Direction and Force of Winds (0-12)	NE 2	ESE 3	SE 4	SW 3	NW 2	NW 3	W 6	calm	W 3	WNW 8	NW 8	N 8	ESE 3	SE 5	SE 2	E 2	E 5
Weather	fair	clear	clear	cloudy	fair	clear	cloudy	cloudy	cloudy	snow	clear	snow	cloudy	cloudy	cloudy	clear	cloudy
Station	Shanghai	Hankow	Rass	Palau	Hongkong	Manila	Sorizao	Guam	Yap	Phu-Lien	Cap-S-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	16 : 30 ^h	20 ^h , 135 W	20 ^h , 135 W	20 ^h , 135 W	20 ^h , 135 W
Atm. Pressure (Red to m.s.l. and Std. Gr.)	765.5	765.7	767.9	757.1	762.5	760.5	759.1	759.4	759.6	761.3	762.9	765.0	762.0	764.0	742.7	765.0	743.7
Air Temperature (in C)	9.4	6.2	21.0	28.2	18.	31.	25.	-	-	21.	26.	22.	20.	-20.	-4.	-4.	-2.
Direction and Force of Winds (0-12)	ESE 4	SSE 2	NE 4	ENE 4	E 4	ESE 4	ENE 3	NE 4	ENE 5	SSE 8	ENE 4	E 1	SW 2	NE 1	W -	N -	NW -
Weather	rain	rain	cloudy	cloudy	cloudy	fair	rain	cloudy	fair	cloudy	clear	fair	cloudy	cloudy	rain	cloudy	clear

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No. 402



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 met. logs of the Japanese merchant marine.

Station	Taihoku	Naha	Nagasaki	Simsaki	Kobe	Tyosi	Hatidyosima	Titizima	Niigata	Aomori	Nemuro	Maoka	Moppo	Zyosin	Changchun	Fientsun	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 m.s.l. and Std. Gr.)	761.4	765.6	767.2	768.1	769.4	768.3	767.2	766.2	770.2	769.3	765.3	769.2	764.3	769.7	766.4	764.6	764.3
Air Temperature (in C)	25.7	22.5	8.1	12.9	7.8	9.8	14.6	20.0	5.0	1.0	-3.5	-8.6	8.0	0.8	-2.8	1.0	5.8
Direction and Force of Winds (0-12)	E 2	SE 5	SE 3	SE 2	SE 2	ENE 2	WNW 2	NNE 2	S 2	WSW 3	NW 5	NNW 5	ESE 3	ENE 3	SSW 4	calm	E 6
Weather	cloudy	clear	cloudy	fair	fair	cloudy	cloudy	cloudy	fair	cloudy	fair	cloudy	cloudy	fair	cloudy	calm	cloudy
Station	Shanghai	Hankow	Rasa	Palau	Hongkong	Manila	Surigao	Guam	Yap	Phu Lien	Cap-S-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 , 138 E	14 ^h	14 ^h	14 ^h	14 ^h	14 ^h	10 ^h	10 ^h	20 ^h	18 : 30 ^h	20 ^h , 135 W	20 ^h , 135 W	20 ^h , 135 W	20 ^h , 135 W
Atm. Pressure (Red. to m.s.l. and Std. Gr.)	762.0	761.2	765.5	757.7	757.7	759.5	759.4	759.5	759.4	758.3	761.2	763.0	761.5	766.3	748.3	761.5	744.7
Air Temperature (in C)	10.5	6.7	21.4	29.0	25.	32.	28.	-	-	23.	27.	22.	18.	-29.	3.	0.	-6.
Direction and Force of Winds (0-12)	calm	NE 3	E 5	E 3	SSW 5	ENE 4	ENE 2	NE 4	NE 3	SSE 3	NE 2	E 1	NE 1	NE -	E -	NW -	W -
Weather	rain	cloudy	fair	cloudy	rain	clear	clear	rain	fair	clear	fair	fair	cloudy	clear	cloudy	fair	clear

日 六 月 二 年 三 十 正 大

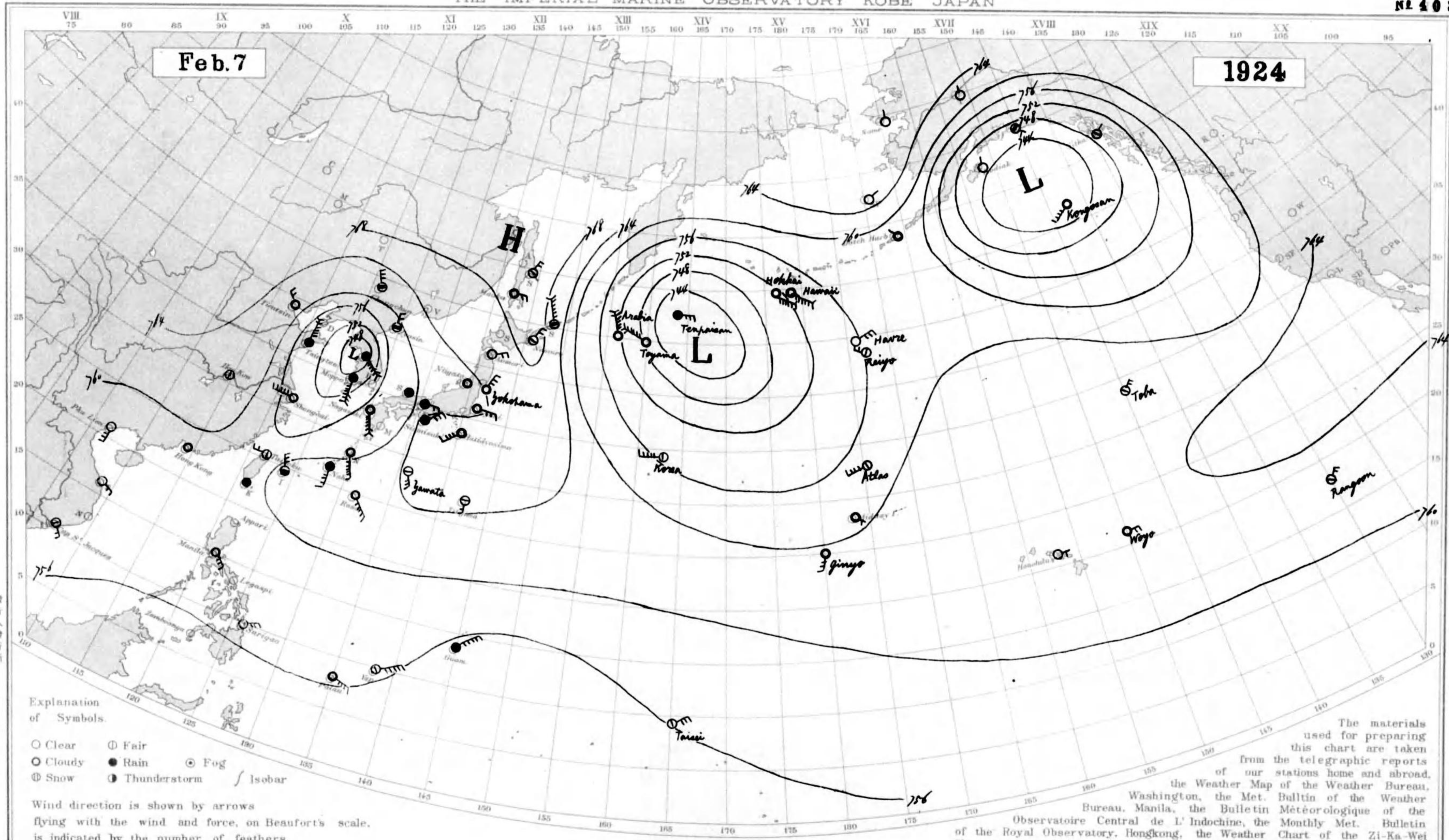
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DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

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

№ 403



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.

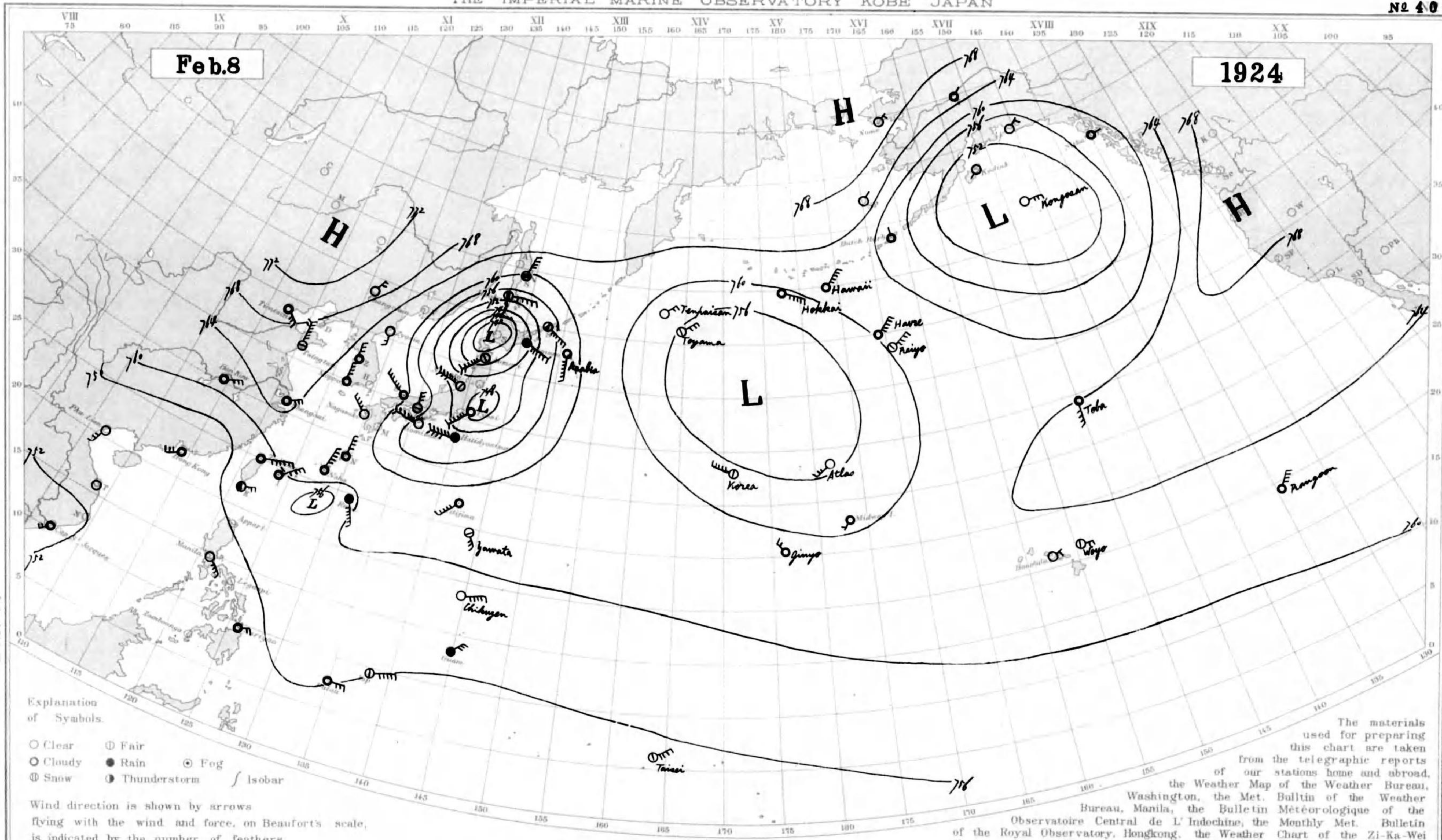
The materials used for preparing this chart are taken from the telegraphic reports of our stations home and abroad, the Weather Map of the Weather Bureau, Washington, the Met. Bulletin of the Weather Bureau, Manila, the Bulletin Météorologique of the Observatoire Central de L'Indochine, the Monthly Met. 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	Taihoku	Naha	Nagasaki	Siomiaki	Kobe	Tyosi	Hatidyosma	Titizima	Niigata	Aomori	Nemuro	Macka	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
Atm. Pressure (Red. to m.s.l. and Strd. Gr.)	756.8	760.3	756.4	764.2	763.3	765.7	764.5	766.6	765.6	766.6	766.2	769.2	768.4	769.7	761.8	760.6	763.5
Air Temperature (in C)	23.3	20.7	17.9	11.9	8.6	13.2	16.0	21.1	6.1	3.8	-6.7	-4.4	16.4	0.5	-8.2	2.0	1.4
Direction and Force of Winds (0-12)	W 2	S 4	SSE 8	NE 3	E 2	E 3	SW 4	S 2	calm	NNE 2	NNE 2	E 2	S 9	N 2	NW 3	NW 2	N 8
Weather	fair	rain	cloudy	rain	rain	cloudy	cloudy	fair	calm	clear	fair	cloudy	rain	snow	snow	cloudy	rain
Station	Shanghai	Hankow	Rasa	Palau	Hongkong	Manila	Surigao	Guam	Yap	Phu-Lien	Cap-S-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	18:30 ^h	20 ^h , 135 W	20 ^h , 135 W	20 ^h , 135 W	20 ^h , 135 W
Atm. Pressure (Red. to m.s.l. and Strd. Gr.)	754.9	762.5	762.5	756.3	757.7	758.0	758.0	755.8	757.7	757.4	760.2	762.5	759.5	767.1	749.3	768.9	764.7
Air Temperature (in C)	10.2	7.2	23.9	28.7	23.	30.	28.	-	-	25.	30.	21.	18.	-31.	2.	-6.	-3.
Direction and Force of Winds (0-12)	W 5	calm	SE 5	ESE 4	calm	SE 3	ESE 3	NE 5	ESE 5	S 3	SE 2	E 1	SE 1	N -	NE -	NW -	N -
Weather	cloudy	fair	cloudy	cloudy	cloudy	cloudy	clear	rain	fair	clear	fair	clear	cloudy	clear	fair	cloudy	clear

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

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

No. 404



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.

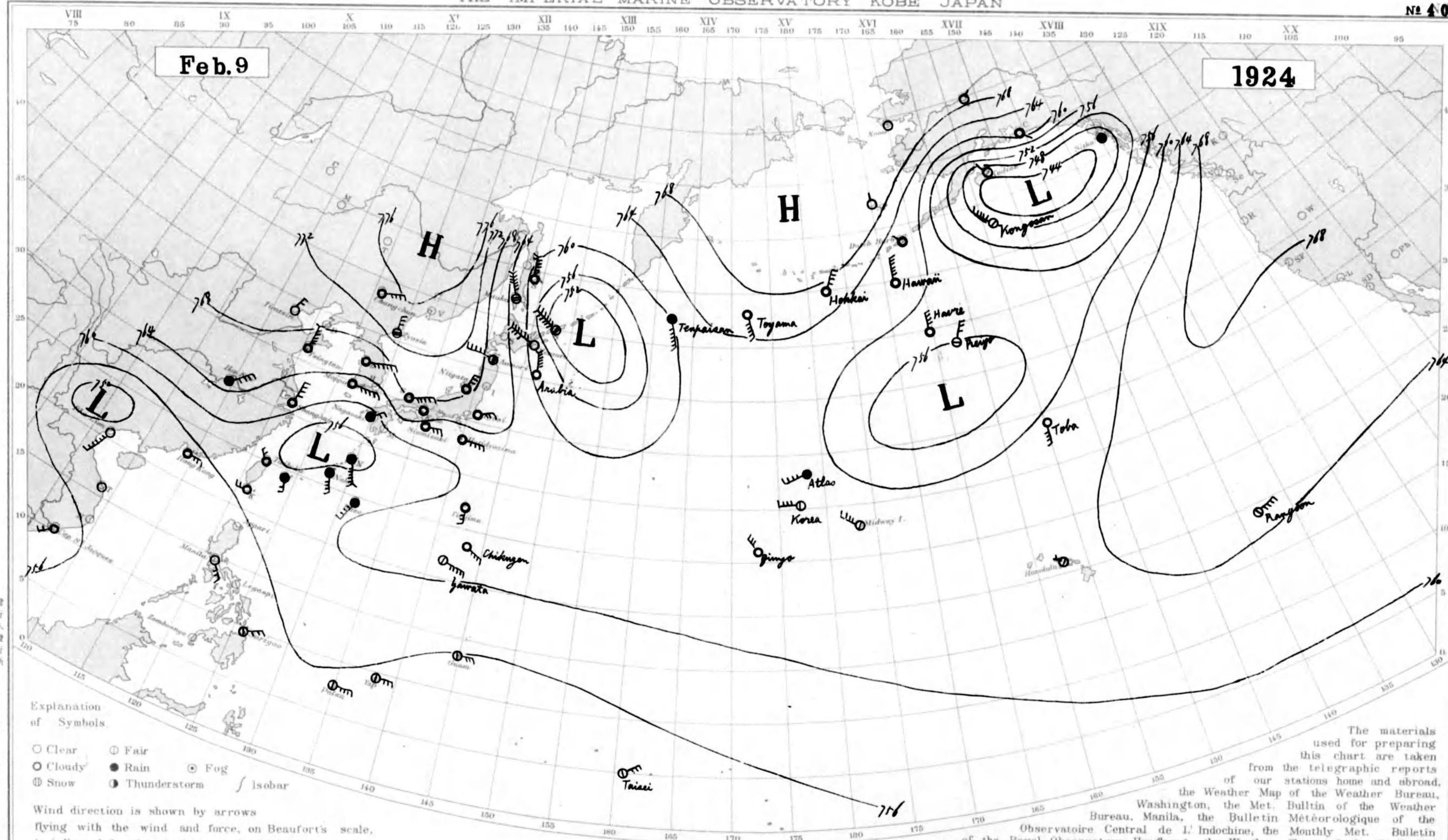
The materials used for preparing this chart are taken from the telegraphic reports of our stations home and abroad, the Weather Map of the Weather Bureau, Washington, the Met. Bulletin of the Weather Bureau, Manila, the Bulletin Météorologique of the Observatoire Central de L'Indochine, the Monthly Met.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

Station	Taihoku	Naha	Nagasaki	Siomi saki	Kôbe	Tyôsi	Hatidyosima	Titizima	Niigata	Aomori	Nemuro	Maoka	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
Atm. Pressure (Red. to m.s.l. and Srd. Gr.)	759.2	761.1	761.4	753.9	757.3	747.8	753.8	761.8	751.5	740.3	747.6	752.1	762.8	762.7	771.5	771.2	766.5
Air Temperature (in C)	21.0	19.7	10.7	17.8	13.5	17.2	15.8	21.9	8.0	10.6	0.1	-11.6	5.2	2.6	-16.8	4.0	-1.
Direction and Force of Winds (0-12)	ENE 6	NNE 5	NW 4	WNW 7	N 3	SW 7	W 10	SW 5	WNW 9	SW 8	ESE 7	E 5	N 4	S 2	NNE 2	SE 3	N 8
Weather	cloudy	cloudy	cloudy	clear	fair	cloudy	rain	cloudy	fair	fair	rain	snow	cloudy	clear	clear	cloudy	fair
Station	Shanghai	Hankow	Rasa	Palau	Hongkong	Manila	Surigao	Guam	Yap	Phu-Lien	Cap-S-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	18 : 30 ^h	20 ^h , 135 W	20 ^h , 135 W	20 ^h , 135 W	20 ^h , 135 W
Atm. Pressure (Red. to m.s.l. and Srd. Gr.)	764.4	762.5	759.4	756.1	754.7	757.0	757.1	758.3	767.6	755.5	759.0	763.5	759.5	768.6	759.5	756.9	748.3
Air Temperature (in C)	4.2	5.4	23.1	27.1	25.	33.	28.	-	-	27.	21.	21.	17.	-30.	1.	-8.	-3.
Direction and Force of Winds (0-12)	NE 3	ENE 3	SSE 6	E 3	WSW 3	SE 4	ENE 2	NE 3	ENE 6	SSW 3	SW 2	NE 1	SW 1	NE 1	E -	W -	SW -
Weather	cloudy	cloudy	rain	cloudy	cloudy	clear	cloudy	rain	fair	clear	cloudy	clear	cloudy	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. 405



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 Zi-Ka-Wei Observatory and the met. logs of the Japanese merchant marine.

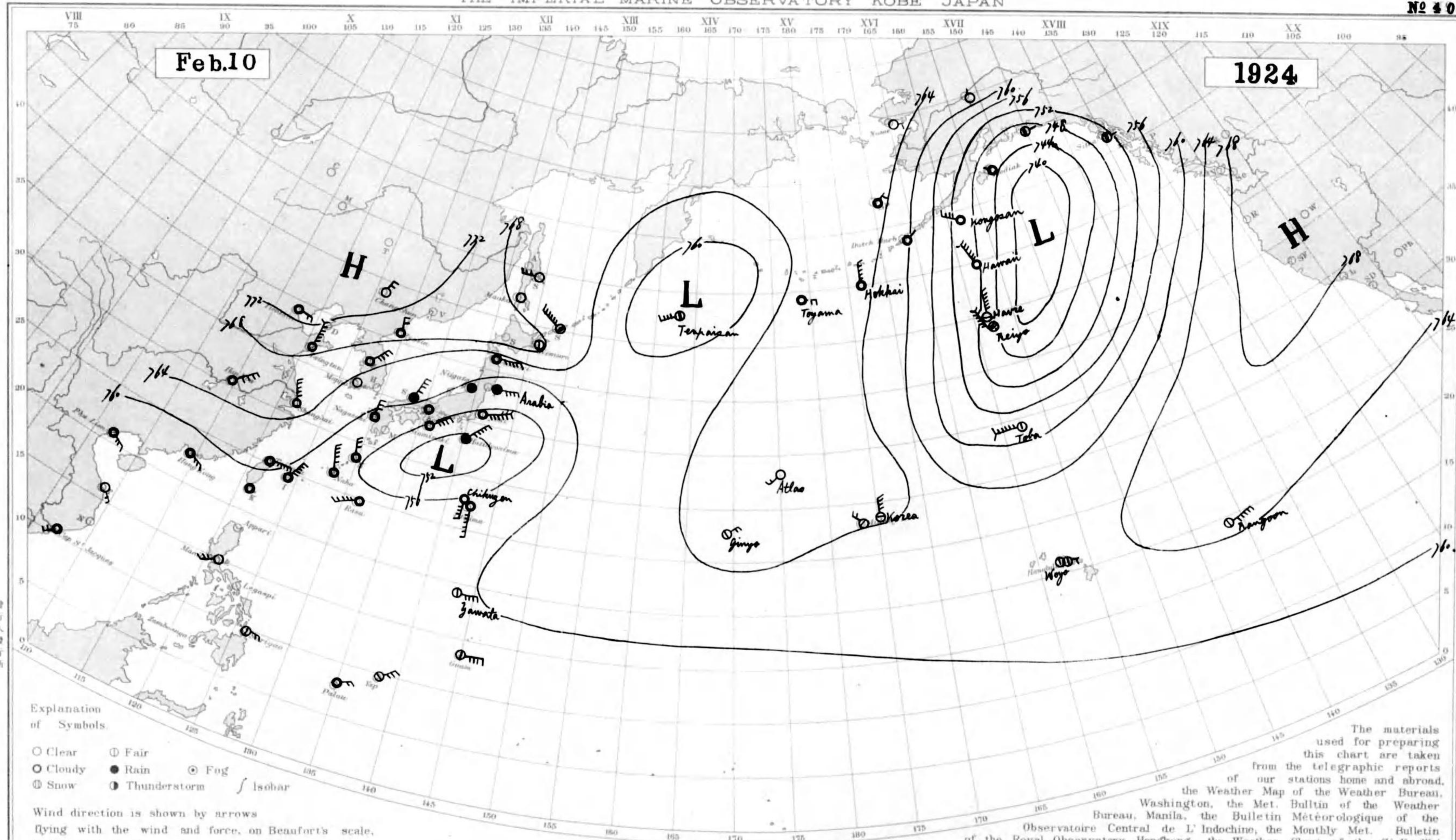
Station	Taihoku	Naha	Nagasaki	Siemasiaki	Kobe	Tyosi	Hatidyosima	Titizima	Niigata	Aomori	Nemuro	Maoka	Moppo	Zyosin	Changchun	Tientsin	Tsingtau
Hour of Observation	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	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
Atm. Pressure (Red. to m.s.l. and Std. Gr.)	756.9	756.4	759.7	762.8	765.1	765.4	762.5	761.5	768.8	767.8	769.0	763.5	761.4	772.3	774.0	770.9	765.4
Air Temperature (in C)	19.4	20.7	9.2	11.7	7.6	10.9	17.4	22.6	4.6	-1.2	9.5	-11.1	9.0	-4.9	-12.0	-1.9	-4.0
Direction and Force of Winds (0-12)	NW 2	SSE 4	NE 2	E 3	calm	ENE 3	E 4	S 3	NNE 3	WNW 5	NW 10	NW 10	E 6	N 3	ENE 4	NNE 2	N 7
Weather	cloudy	rain	rain	cloudy	cloudy	cloudy	cloudy	cloudy	cloudy	cloudy	clear	snow	cloudy	snow	cloudy	clear	cloudy
Station	Shanghai	Hankow	Rasa	Palau	Hongkong	Manila	Surigao	Guam	Yap	Phu-Lien	Cap-S-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	18 : 30 ^h	20 ^h , 135 W	20 ^h , 135 W	20 ^h , 135 W	20 ^h , 135 W
Atm. Pressure (Red. to m.s.l. and Std. Gr.)	761.3	765.0	759.5	755.6	755.6	756.3	756.4	757.8	756.8	755.8	758.9	763.5	761.0	770.1	745.2	763.0	744.2
Air Temperature (in C)	7.3	2.9	24.2	28.3	19.	32.	27.	-	-	29.	27.	22.	17.	-29.	5.	-8.	-1.
Direction and Force of Winds (0-12)	NNE 4	NE 4	SSW 4	E 4	E 3	SE 3	ENE 3	E 3	E 3	E 3	SSW 6	SW 2	NW 1	NW 4	E -	Nw -	NW -
Weather	cloudy	rain	rain	fair	cloudy	clear	fair	fair	fair	clear	cloudy	fair	fair	clear	rain	cloudy	clear

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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. 400



Explanation of Symbols

○ Clear ○ Fair
 ○ Cloudy ● Rain ⊙ Fog
 ⊖ Snow ⊕ Thunderstorm

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 Zi-Ka-Wei Observatory and the met. logs of the Japanese merchant marine.

Station	Taihoku	Naha	Nagasaki	Siomi saki	Kobe	Tyosi	Hatidyosima	Titizima	Niigata	Aomori	Nemuro	Maoka	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
Atm. Pressure (Red to m.s.l. and Std. Gr.)	760.6	758.3	758.9	755.5	757.4	755.3	751.2	757.5	758.2	763.0	768.3	767.2	761.8	768.4	773.4	773.7	768.1
Air Temperature (in C)	16.2	19.8	10.5	12.7	9.2	10.8	16.0	22.7	5.8	3.2	-3.3	-7.2	18.9	-5.9	-16.7	-5.9	-2.9
Direction and Force of Winds (0-12)	E 5	NNW 5	N 3	NE 4	calm	E 9	NE 5	8.6	calm	E 5	calm	calm	N 2	NNE 2	E 2	E 2	N 7
Weather	cloudy	cloudy	cloudy	cloudy	cloudy	rain	rain	cloudy	calm	cloudy	fair	clear	clear	cloudy	clear	cloudy	cloudy

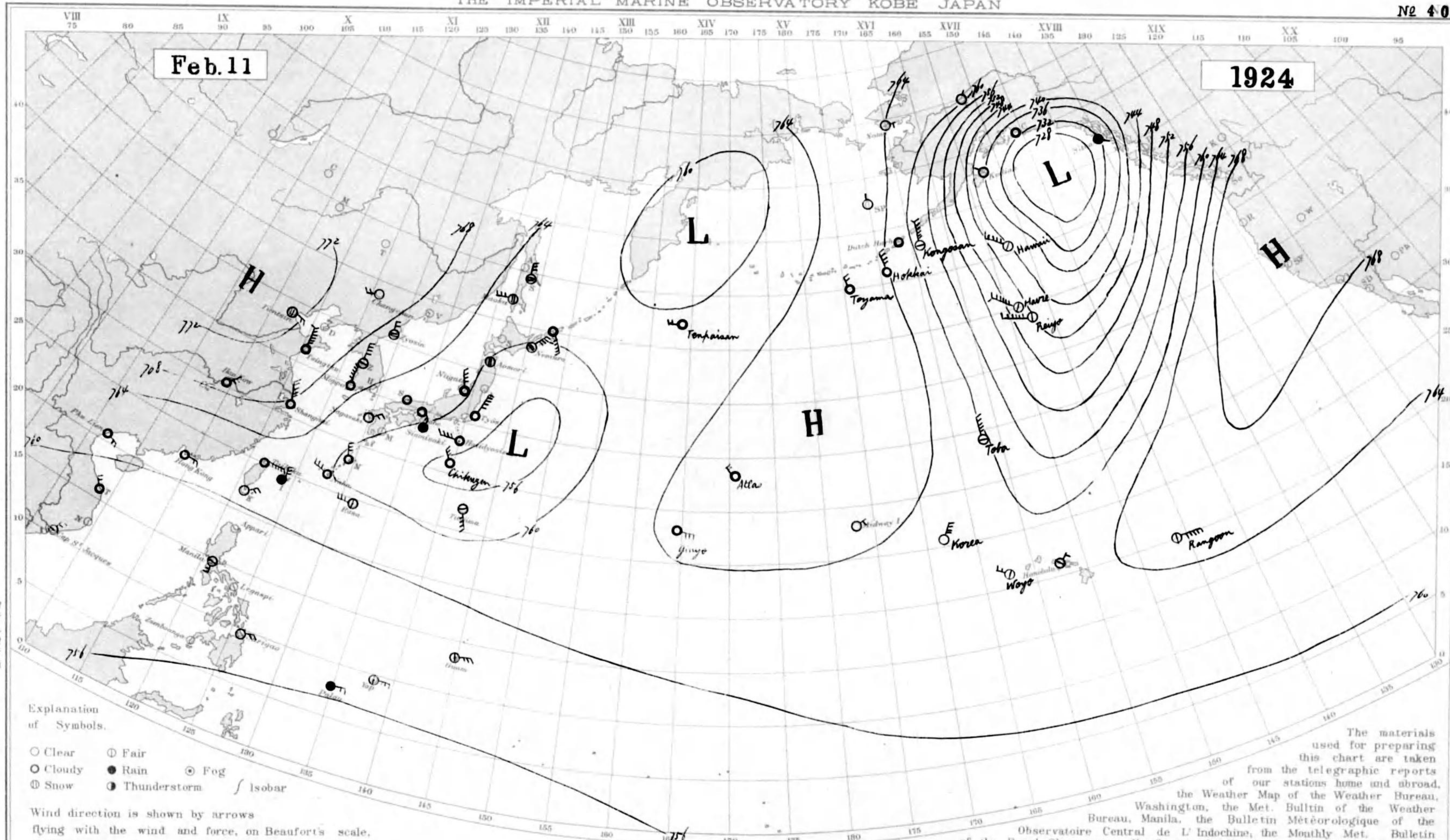
Station	Shanghai	Hankow	Rassa	Palau	Hongkong	Manila	SURIGAO	Guam	Yap	Phi-Lien	Cap-S-Jacques	Honolulu	Midway I.	Nome	Sitka	Dutch Harbor	Kodiak
Hour of Observation	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	14 ^h	14 ^h	14 ^h	14 ^h	14 ^h	10 ^h	10 ^h	20 ^h	18 : 30 ^h	20 ^h , 135 W	20 ^h , 135 W	20 ^h , 135 W	20 ^h , 135 W
Atm. Pressure (Red to m.s.l. and Std. Gr.)	765.6	769.0	757.8	767.0	759.2	767.5	757.7	758.4	757.9	760.0	760.5	762.5	764.0	765.5	751.3	760.5	744.7
Air Temperature (in C)	30.	34.	22.6	28.4	18.	30.	28.	-	-	21.	27.	21.	16.	20.	0.	-4.	-2.
Direction and Force of Winds (0-12)	NNW 5	NE 4	WSW 5	E 2	ESE 3	WSW 3	E 2	E 4	NE 3	ESE 3	SW 2	E 1	NW 2	E 1	E -	NE -	NW -
Weather	cloudy	cloudy	cloudy	cloudy	cloudy	clear	fair	fair	fair	cloudy	cloudy	fair	fair	clear	snow	cloudy	cloudy

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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 407



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 ZI-Ka-Wei Observatory and the met. logs of the Japanese merchant marine.

Station	Taihoku	Naha	Nagasaki	Somisaki	Kobe	Tyosi	Hatidyosima	Titizima	Niigata	Aomori	Nemuro	Maoka	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
Atm. Pressure (Red to m.s.l. and Std Gr.)	762.9	760.5	761.1	759.2	761.6	757.8	757.5	757.9	761.0	759.7	759.6	760.6	764.1	766.7	770.9	772.5	769.7
Air Temperature (in C)	15.2	19.1	11.4	11.0	9.2	11.4	16.6	23.1	5.5	2.4	2.4	760.6	764.1	766.7	770.9	772.5	769.7
Direction and Force of Winds (0-12)	E 5	WNW 3	NE 2	calm	SSE 2	NNE 5	W 4	SSE 4	NNW 4	calm	NE 4	W 3	N 5	NNW 2	WSW 2	E 2	N 7
Weather	cloudy	cloudy	clear	rain	cloudy	cloudy	cloudy	fair	cloudy	calm	snow	snow	cloudy	snow	clear	snow	cloudy
Station	Shanghai	Hankow	Rasa	Palau	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	18 : 30 ^h	20 ^h , 135 W	20 ^h , 135 W	20 ^h , 135 W	20 ^h , 135 W
Atm. Pressure (Red to m.s.l. and Std Gr.)	768.0	770.6	760.4	756.2	761.9	757.7	767.9	758.2	758.0	762.3	759.9	763.0	767.6	764.0	729.5	760.5	736.1
Air Temperature (in C)	2.9	7.0	22.9	27.9	16.	32.	28.	28.	28.	20.	27.	22.	13.	-31.	3.	-7.	-6.
Direction and Force of Winds (0-12)	NNW 5	NE 3	W 3	E 2	E 2	S 2	ENE 2	E 3	E 3	ESE 2	NNE 2	NE 1	NE 1	E 1	SE 1	W -	NW -
Weather	cloudy	cloudy	fair	rain	cloudy	fair	clear	fair	fair	cloudy	fair	fair	clear	clear	rain	cloudy	clear

日一十月二年三十正大

圖氣天洋平大北

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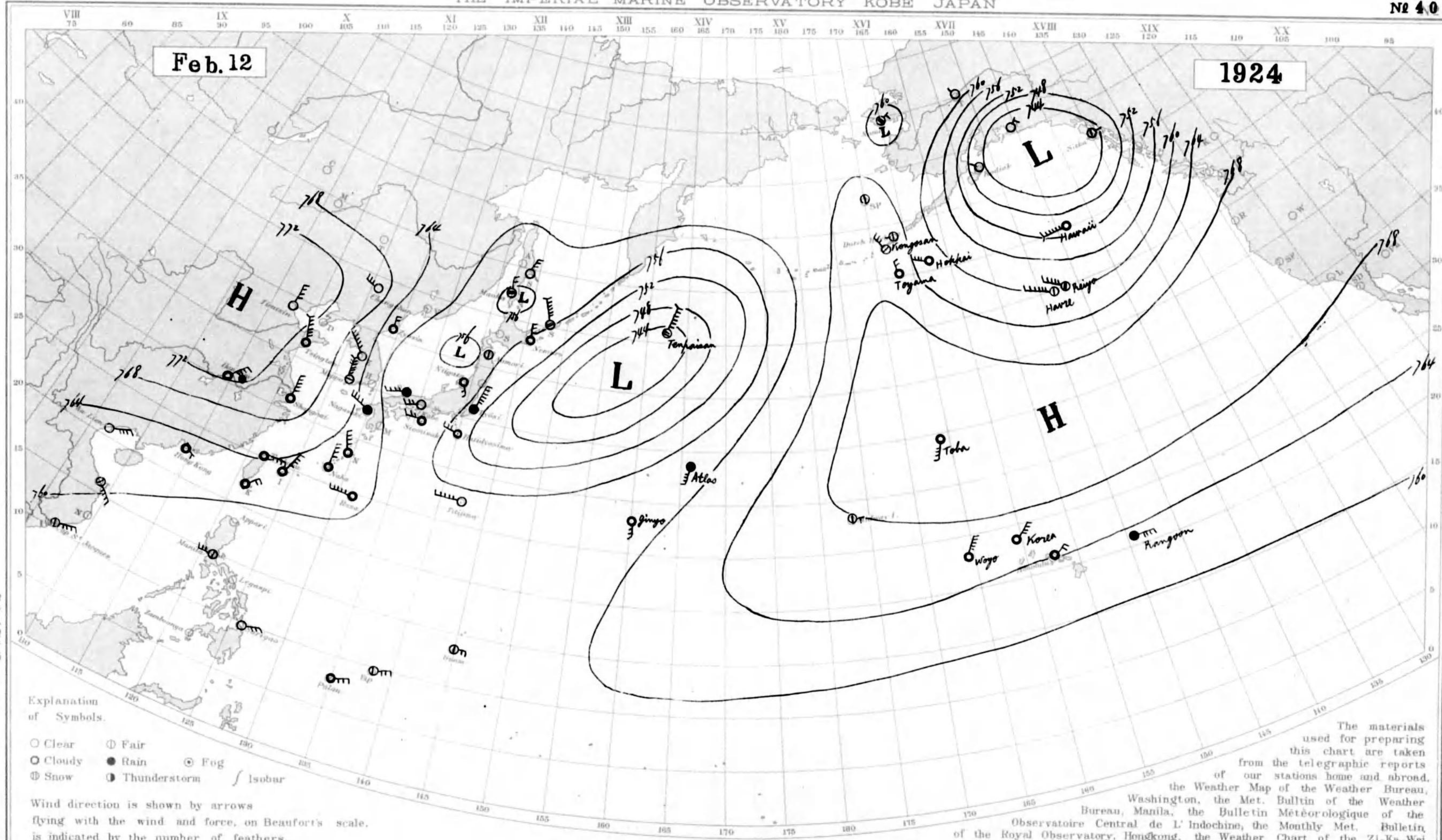
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DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No. 408



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 Zi-Ka-Wei Observatory and the met. logs of the Japanese merchant marine.

Station	Taihoku	Naha	Nagasaki	Stomi saki	Kōbe	Tyosii	Hatidyosima	Titi zinn	Niigata	Aomori	Nemuro	Maoka	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
Atm. Pressure (Red. to m.s.l. and Std. Gr.)	764.1	761.6	760.6	757.5	758.4	755.6	758.3	757.2	756.7	756.9	755.9	755.9	755.9	755.9	755.9	755.9	755.9
Air Temperature (in C)	14.7	16.7	8.5	9.8	9.0	8.8	16.8	20.6	7.1	2.6	-2.5	-9.9	8.0	-8.5	-19.7	-5.8	-3.4
Direction and Force of Winds (0-12)	E 4	N 4	NNW 4	W 3	WSW 3	NNE 6	WNW 3	W 5	SSE 2	calm	N 3	N 2	N 9	N 2	WNW 3	N 4	NNW 7
Weather	cloudy	cloudy	rain	cloudy	clear	rain	cloudy	clear	cloudy	fair	cloudy	cloudy	fair	cloudy	clear	clear	cloudy
Station	Shanghai	Hankow	Ransu	Palau	Hongkong	Manila	Surigao	Guam	Yap	Phu-Lien	Cap-S. Jacques	Honolulu	Midway I.	Nome	Sitra	Dutch Harbor	Kollak
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	20 ^h	18 : 30 ^h	20 ^h , 135 W	20 ^h , 135 W	20 ^h , 135 W	20 ^h , 135 W
Atm. Pressure (Red. to m.s.l. and Std. Gr.)	769.8	772.8	760.8	756.2	763.4	759.7	758.2	757.8	757.7	764.2	760.3	764.0	768.0	759.5	743.2	765.0	744.2
Air Temperature (in C)	4.0	2.8	23.4	28.5	15.	31.	28.	-	-	17.	27.	22.	16.	-22.	2.	-4.	-8.
Direction and Force of Winds (0-12)	N 5	NE 4	W 5	ENE 3	ESE 1	W 3	ENE 3	E 2	ENE 3	ENE 4	ENE 4	NE 2	E 1	NE 1	E 2	W -	NW -
Weather	cloudy	cloudy	cloudy	cloudy	cloudy	fair	clear	fair	fair	clear	fair	cloudy	fair	snow	fair	fair	clear

日二十月二年三十正大

圖氣天洋平大北

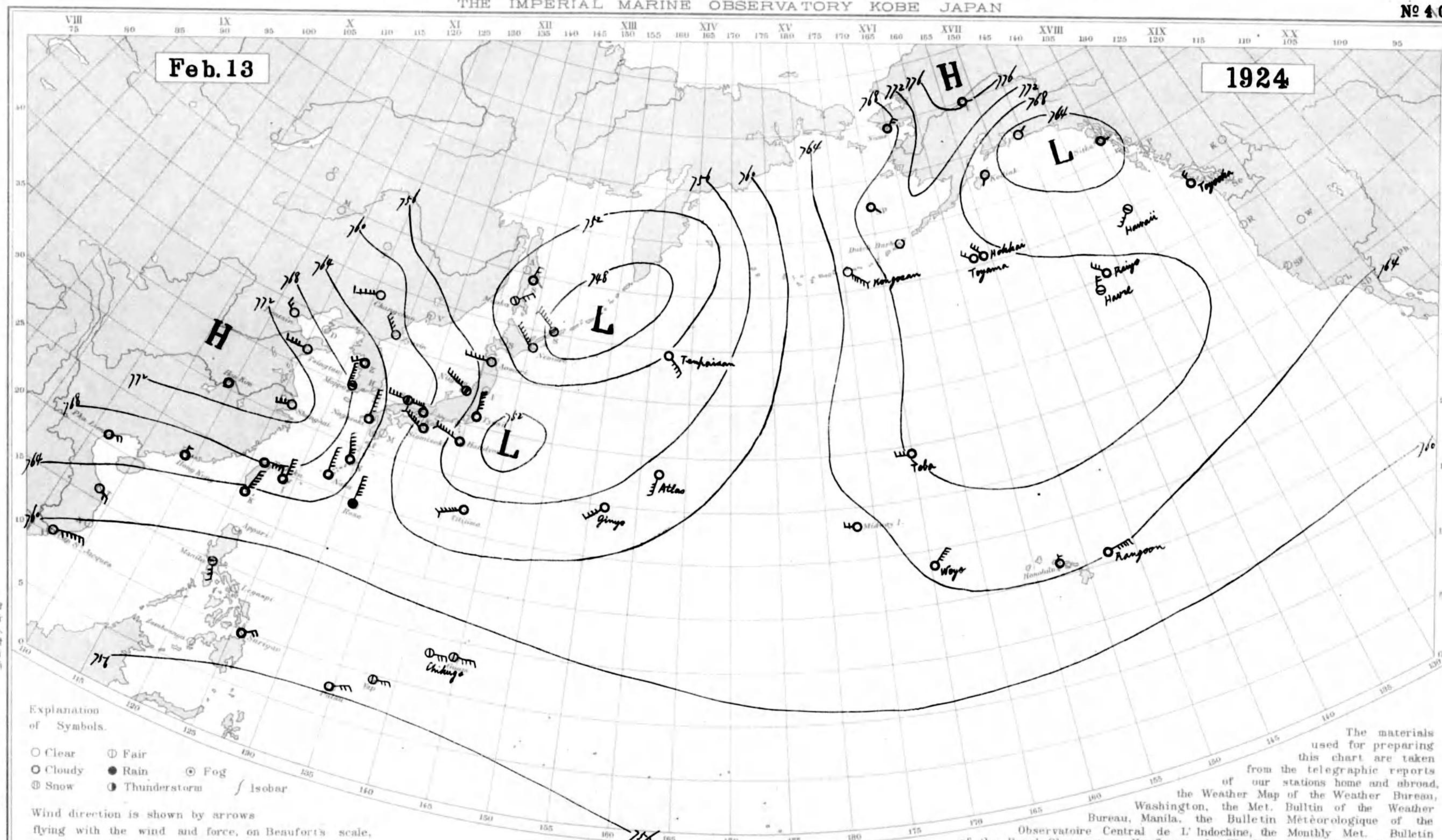
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印發行人
 海軍省
 中山手通七丁目

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

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

No. 409



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神 戶 市 中 山 手 通 七 丁 目
海 洋 氣 象 臺

Explanation
of Symbols.

○ Clear ⊙ Fair
 ○ Cloudy ● Rain ⊙ Fog
 ⊙ Snow ⊙ Thunderstorm

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. Bulltin 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 Hour of Observation	Tsuhoku 12 ^h , 135 E	Naha 12 ^h , 135 E	Nagasaki 12 ^h , 135 E	Siomasaki 12 ^h , 135 E	Kobe 12 ^h , 135 E	Tyosi 12 ^h , 135 E	Hatidyosima 12 ^h , 135 E	Titi zima 12 ^h , 135 E	Niigata 12 ^h , 135 E	Aomori 12 ^h , 135 E	Nemuro 12 ^h , 135 E	Maoka 12 ^h , 135 E	Moppo 12 ^h , 135 E	Zyosin 12 ^h , 135 E	Changchun 12 ^h , 135 E	Tientsin 12 ^h , 135 E	Tsingtau 12 ^h , 135 E
Atm. Pressure (Red. to m.s.l. and Std. Gr.)	768.1	765.4	766.2	768.5	760.1	763.8	764.7	786.4	758.6	755.6	749.2	749.8	768.4	760.5	762.5	770.9	771.8
Air Temperature (in C)	11.1	13.9	12.1	8.9	5.2	3.5	8.7	22.3	-1.7	-4.6	-8.9	-14.9	-0.7	-6.0	-11.9	-3.1	-1.8
Direction and Force of Winds (0-12)	E 4	N 6	N 6	NW 7	W 5	N 6	WNW 7	WSW 7	NW 6	W 5	NW 6	NE 3	N 6	NW 4	WSW 5	WNW 2	W 4
Weather	cloudy	cloudy	cloudy	cloudy	cloudy	cloudy	cloudy	cloudy	snow	snow	clear	fair	snow	clear	clear	clear	clear

Station Hour of Observation	Shanghai 12 ^h , 135 E	Hankow 12 ^h , 135 E	Rasa 12 ^h , 135 E	Palau 12 ^h , 135 E	Hongkong 14 ^h	Manila 14 ^h	Surigao 14 ^h	Guam 14 ^h	Yap 14 ^h	Phu-Lien 10 ^h	Cup-S-Jacques 10 ^h	Honolulu 20 ^h	Midway I. 13:30 ^h	Nome 20 ^h , 135 W	Sitka 20 ^h , 135 W	Dutch Harbor 20 ^h , 135 W	Kodiak 20 ^h , 135 W
Atm. Pressure (Red. to m.s.l. and Std. Gr.)	773.2	773.0	762.6	756.5	765.5	758.9	758.4	757.8	767.6	767.3	761.0	764.5	763.5	767.1	762.5	770.6	766.5
Air Temperature (in C)	1.7	5.3	19.2	27.8	11.	32.	27.	-	-	12.	27.	21.	19.	-13.	1.	-7.	-4.
Direction and Force of Winds (0-12)	WSW 3	calm	N 6	ENE 3	N 1	SSE 3	ENE 2	E 4	E 3	ENE 2	ENE 6	N 1	W 2	NE 2	E -	calm	SW -
Weather	clear	cloudy	rain	cloudy	cloudy	fair	cloudy	fair	fair	cloudy	clear	cloudy	cloudy	cloudy	cloudy	clear	clear

日 三 十 月 二 年 三 十 正 大

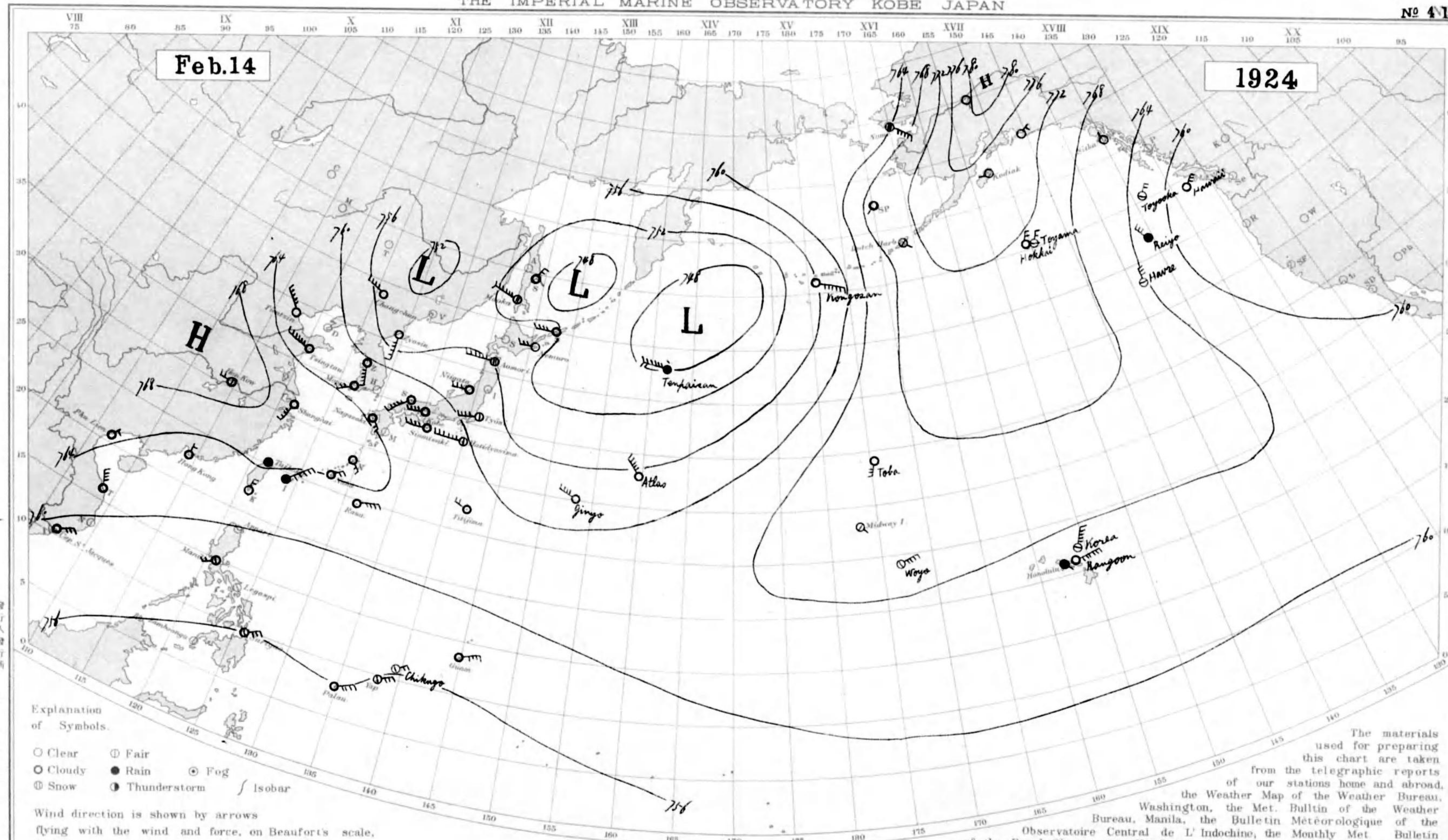
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DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

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

No 410



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. Bulltin 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	Taihoku	Naha	Nagasaki	Siamisaki	Kobe	Tyosai	Hatidoyosima	Titizima	Niigata	Aomori	Nemuro	Maoka	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
Atm. Pressure (Red to m.s.l. and Std. Gr.)	764.2	764.0	763.9	761.6	762.1	757.8	760.9	762.8	757.8	755.7	752.4	749.4	763.2	754.6	755.9	763.7	762.3
Air Temperature (in C)	13.1	15.6	4.2	8.2	4.2	7.1	9.4	17.2	1.3	-0.2	-5.9	-13.4	3.4	-1.9	-12.5	-0.7	3.9
Direction and Force of Winds (0-12)	calm	NE 2	SE 2	W 4	W 4	WSW 4	W 6	WNW 2	W 3	W 6	W 3	WNW 7	SW 3	S 5	WNW 4	NW 5	WNW 6
Weather	rain	cloudy	cloudy	cloudy	cloudy	fair	fair	cloudy	cloudy	snow	clear	snow	cloudy	clear	clear	clear	cloudy
Station	Shanghai	Hankow	Rasa	Palau	Hongkong	Manila	Surigao	Guam	Yap	Phu-Lien	Cap-S-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	18 : 30 ^h	20 ^h , 135 W	20 ^h , 135 W	20 ^h , 135 W	20 ^h , 135 W
Atm. Pressure (Red to m.s.l. and Std. Gr.)	766.2	758.6	763.1	756.0	763.4	759.5	757.5	757.8	757.2	766.4	760.4	762.5	765.5	764.0	767.1	769.6	773.2
Air Temperature (in C)	4.8	8.6	18.5	28.7	12.	31.	27.	-	-	12.	27.	20.	18.	-9.	-2.	0.	-6.
Direction and Force of Winds (0-12)	SSW 4	W 2	ENE 4	ENE 4	N 1	WSW 2	ENE 3	ENE 4	ENE 3	NNE 1	ENE 3	SE 1	SE 1	SE 5	N -	SE -	W -
Weather	cloudy	fair	cloudy	cloudy	cloudy	fair	fair	cloudy	fair	cloudy	cloudy	rain	fair	snow	clear	fair	clear

錢 價 定 日 卅 月 二 年 三 十 正 大

圖 氣 天 洋 平 大 北

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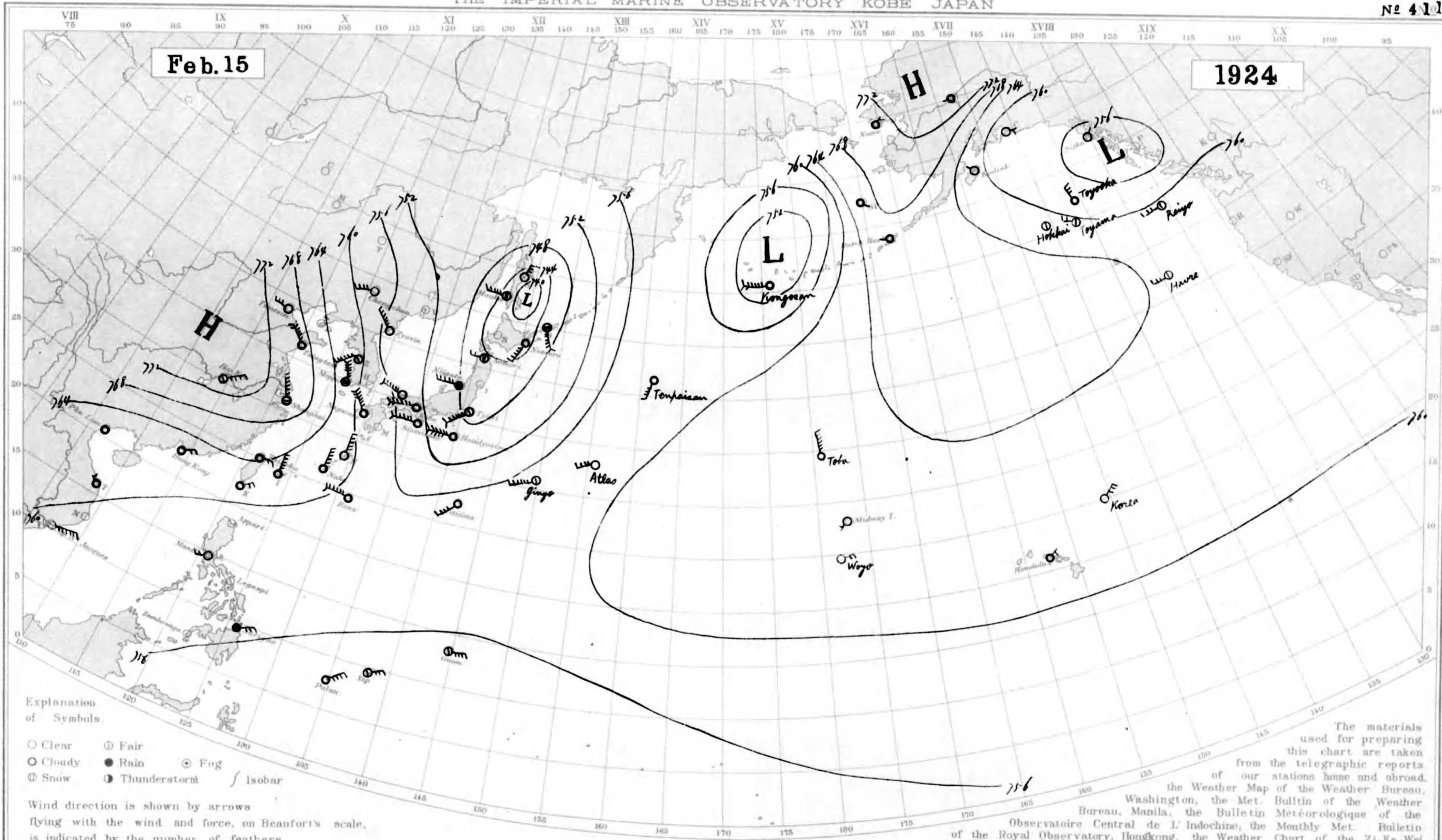
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DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No. 411



印 刷 行 大 販 賣 所
神 戶 市 中 山 手 通 七 丁 目
海 洋 氣 象 臺

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 Zi-Ka-Wei Observatory and the met. logs of the Japanese merchant marine.

Station	Taihoku	Naha	Nagasaki	Siemiasaki	Kobe	Tyosii	Haidyosima	Titiyama	Niigata	Anamori	Nemuro	Maoka	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
Atm. Pressure (Red. to m.s.l. and Std. Gr.)	765.0	761.7	759.3	752.9	752.4	747.4	750.8	758.5	748.0	744.1	743.4	743.4	761.1	753.3	758.2	769.9	768.9
Air Temperature (in C)	13.8	16.5	8.9	11.0	8.4	12.4	14.8	20.8	2.3	1.6	0.4	-9.4	-0.7	-7.7	-13.2	-2.0	-4.2
Direction and Force of Winds (0-12)	E 2	N 8	NW 9	W 7	W 8	SW 8	W 11	SW 4	W 5	W 2	SSE 5	W 5	NNW 10	NW 6	WSW 4	W 3	NW 8
Weather	cloudy	cloudy	cloudy	cloudy	cloudy	fair	cloudy	cloudy	rain	snow	cloudy	snow	snow	clear	clear	clear	cloudy
Station	Shanghai	Hankow	Rasa	Palau	Hongkong	Manila	Surigao	Guam	Yap	Phu-Lien	Cap-S-Jacques	Honolulu	Midway L.	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	18 : 30 ^h	20 ^h , 135 W	20 ^h , 135 W	20 ^h , 135 W	20 ^h , 135 W
Atm. Pressure (Red. to m.s.l. and Std. Gr.)	769.6	773.0	757.8	755.2	762.5	758.0	757.8	757.2	756.5	764.8	760.1	761.0	762.5	771.1	755.9	767.1	762.0
Air Temperature (in C)	4.4	5.7	23.4	28.3	15.	29.	24.	-	-	13.	26.	20.	18.	-14.	-6.	-6.	-1.
Direction and Force of Winds (0-12)	NNW 6	NE 4	W 7	NE 4	NE 2	WSW 2	ENE 3	E 4	ENE 3	calm	ENE 6	NE 1	SW 1	NE 1	NE -	W -	NW -
Weather	fair	fair	cloudy	cloudy	cloudy	fair	rain	fair	fair	cloudy	clear	cloudy	clear	cloudy	clear	cloudy	clear

日 五 十 月 = 年 五 十 正 大

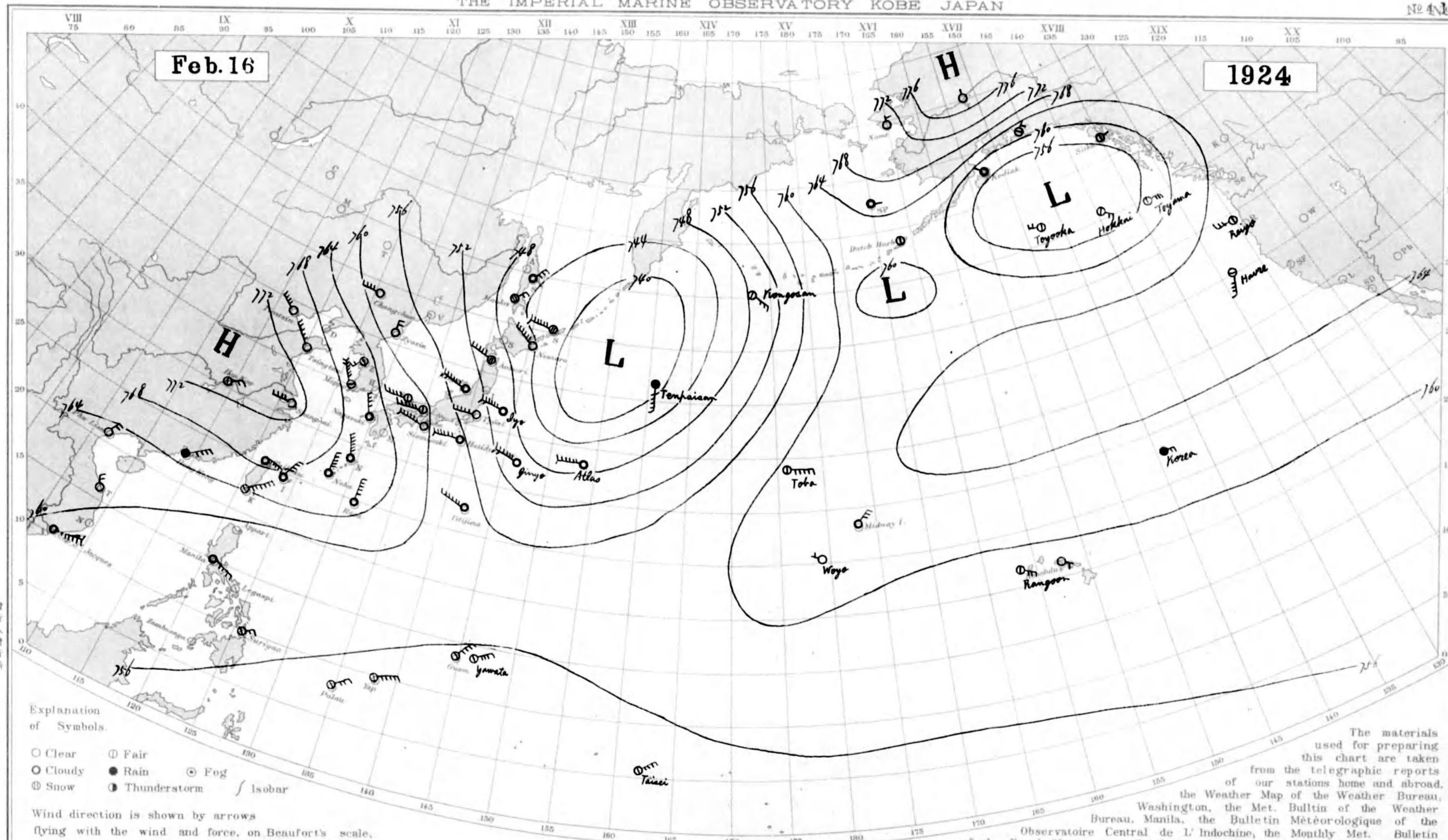
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DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No. 4102



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 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.

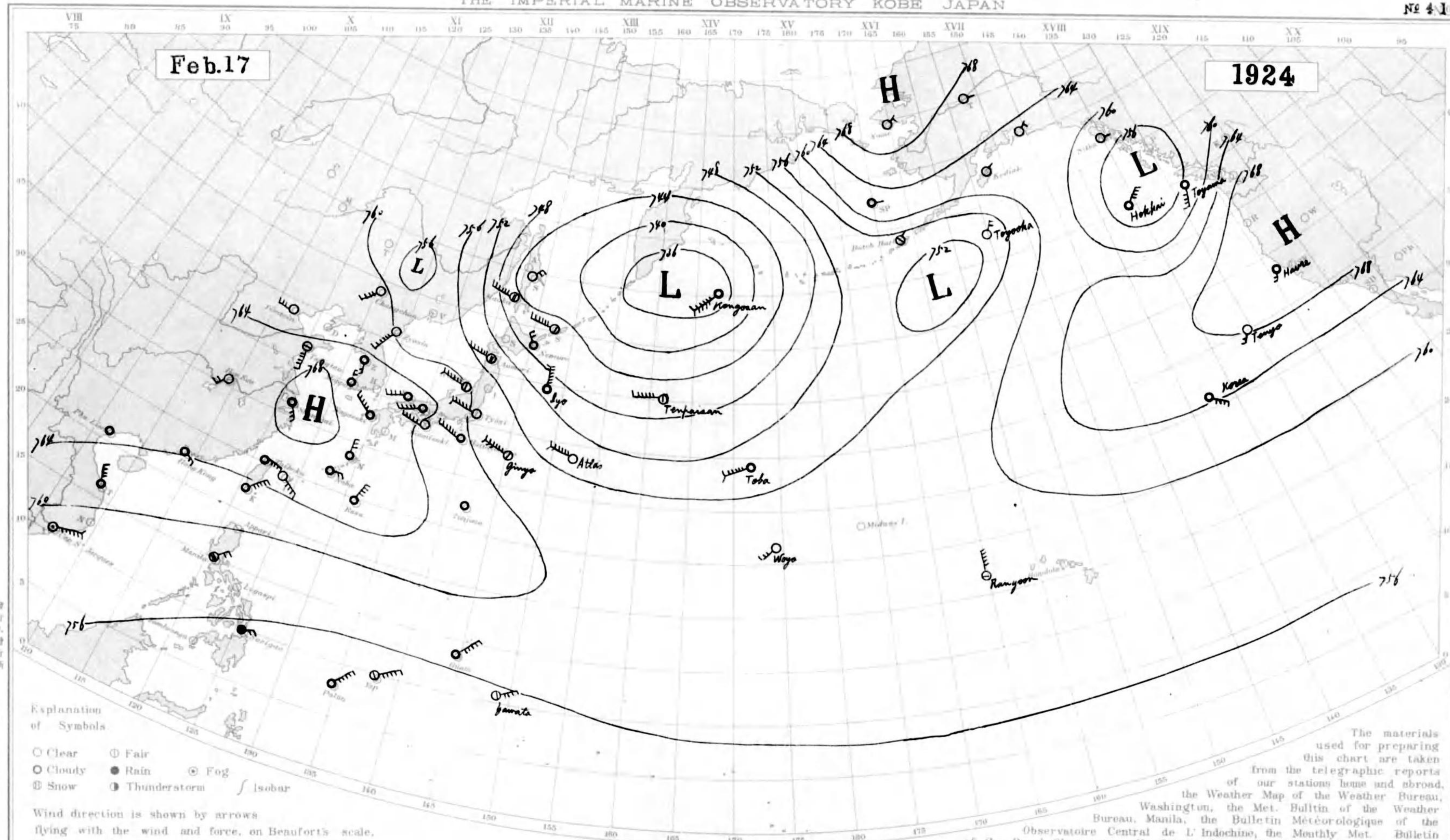
Station	Taihoku	Naha	Nagasaki	Siemtsaki	Kobe	Tyosii	Hatidyosima	Titiizima	Niigata	Aomori	Nemuro	Maaka	Moppo	Zyosin	Changchun	Tientsin	Tsingtau
Hour of Observation	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 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
Atm. Pressure (Red to m.s.l. and Std Gr.)	768.1	767.1	765.5	760.1	760.6	753.5	757.4	758.4	754.5	760.5	744.2	744.1	765.7	758.1	759.8	770.5	770.4
Air Temperature (in C)	12.4	14.2	3.9	4.0	2.3	5.3	6.3	19.4	-0.7	-5.8	744.2	-15.7	0.1	758.1	-9.6	1.0	0.0
Direction and Force of Winds (0-12)	ESE 5	N 5	NNW 4	WNW 7	W 6	WNW 5	W 7	WNW 6	WNW 8	WNW 6	NW 6	NE 2	NNW 8	N 2	W 4	NW 4	NW 5
Weather	cloudy	cloudy	cloudy	clear	fair	clear	cloudy	cloudy	cloudy	cloudy	snow	snow	fair	clear	clear	clear	clear
Station	Shanghai	Hankow	Rasa	Palau	Hongkong	Manila	Surigao	Guam	Yap	Phu-Lien	Cap-S-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	18 : 30 ^h	20 ^h , 135 W	20 ^h , 135 W	20 ^h , 135 W	20 ^h , 135 W
Atm. Pressure (Red to m.s.l. and Std Gr.)	772.1	773.1	764.8	755.3	765.2	759.7	757.8	757.0	756.8	763.5	769.9	758.9	762.5	771.6	768.9	761.5	757.9
Air Temperature (in C)	5.7	0.8	17.2	28.9	12.	26.	28.	-	-	13.	26.	758.9	762.5	771.6	768.9	761.5	757.9
Direction and Force of Winds (0-12)	W 4	ENE 2	N 5	NE 3	NE 4	ESE 4	ENE 2	NE 4	ENE 5	NNE 2	ENE 7	SE 1	NE 3	N 1	E -	- 2.	- 1.
Weather	clear	fair	cloudy	fair	rain	cloudy	fair	fair	fair	clear	cloudy	clear	cloudy	clear	fair	fair	cloudy

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

№ 413



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.

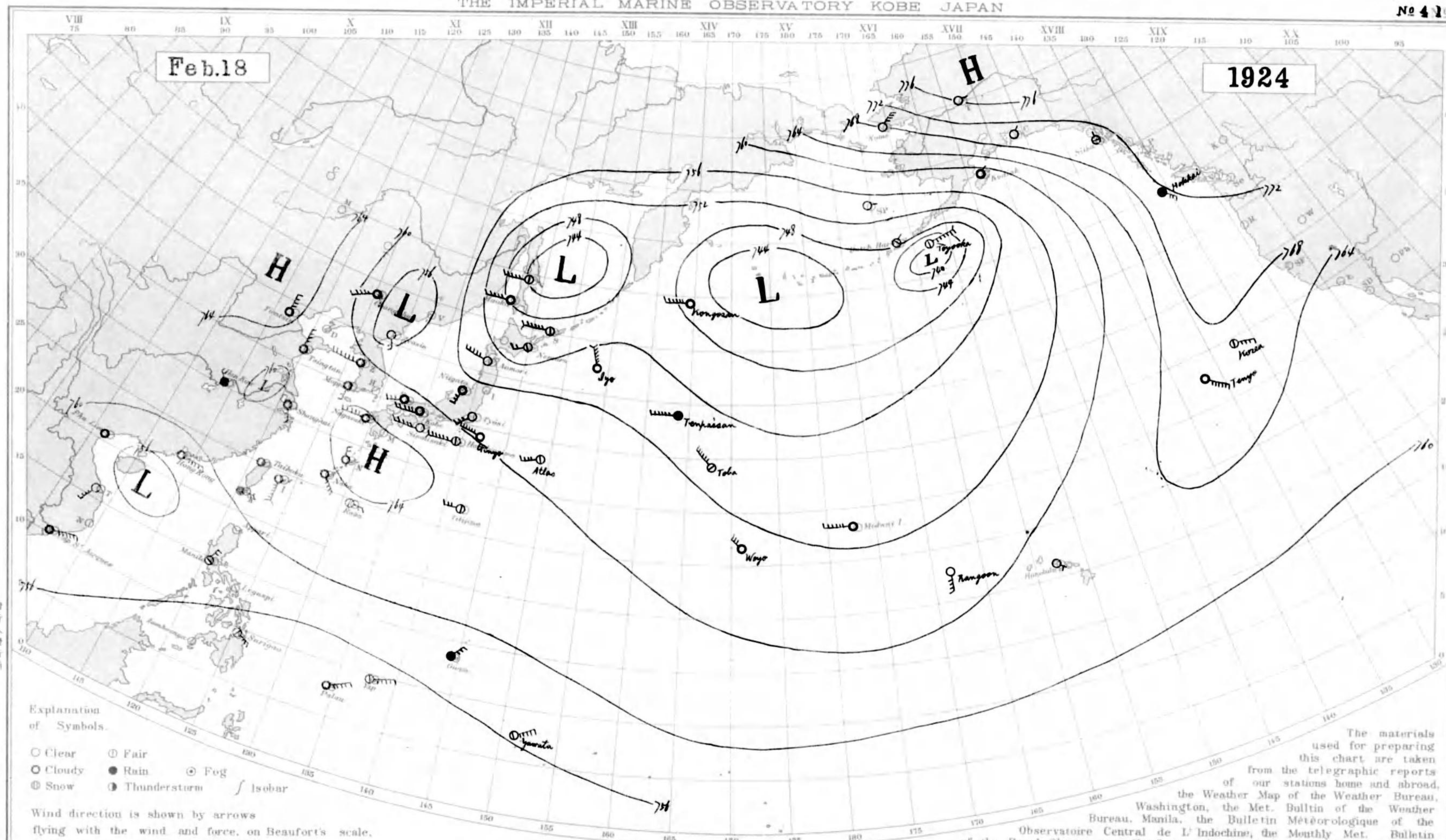
The materials used for preparing this chart are taken from the telegraphic reports of our stations here and abroad, the Weather Map of the Weather Bureau, Washington, the Met. Bulletin of the Weather Bureau, Manila, the Bulletin Météorologique of the Observatoire Central de L'Indochine, the Monthly Met.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

Station	Tsukuba	Naha	Nagasaki	Suisaaki	Kobe	Tyosai	Hatidyosima	Titizima	Niigata	Aomori	Nemuro	Macka	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
Atm. Pressure (Red to m.s.l. and Std Gr.)	765.6	766.9	767.3	763.5	764.3	759.2	762.1	762.4	760.4	755.0	748.6	744.6	757.2	760.0	761.6	762.8	766.2
Air Temperature (in C)	16.7	16.2	4.7	7.6	5.0	5.7	7.2	16.1	6.8	-4.9	-9.9	-14.4	5.3	-0.5	-8.2	3.0	3.7
Direction and Force of Winds (0-12)	E 4	E 2	NW 5	WNW 5	WSW 5	WNW 7	WNW 6	WNW 3	WNW 7	WNW 6	NNW 2	WNW 6	N 2	SSW 6	SW 4	W 3	S 5
Weather	cloudy	cloudy	cloudy	clear	cloudy	clear	cloudy	rain	fair	snow	cloudy	snow	cloudy	clear	clear	clear	fair
Station	Shanghai	Hankow	Rasa	Palau	Hongkong	Manila	Surigao	Guam	Yap	Phi Lien	Cap S Jacques	Honolulu	Midway I.	Nome	Shika	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	18 : 30 ^h	20 ^h , 135 W	20 ^h , 135 W	20 ^h , 135 W	20 ^h , 135 W
Atm. Pressure (Red to m.s.l. and Std Gr.)	768.8	767.5	765.3	755.3	764.0	759.0	757.4	757.6	756.8	765.9	760.9	-	-	771.1	759.5	755.4	760.5
Air Temperature (in C)	5.7	9.2	19.2	28.3	15.0	29.0	25.0	25.0	-	15.0	26.0	-	-	-17.0	-4.0	-4.0	0.0
Direction and Force of Winds (0-12)	SE 3	SW 2	NNE 4	NE 5	ESE 2	NE 2	ENE 2	NE 5	ENE 5	calm	ENE 7	-	-	NE 1	E -	NE -	NE -
Weather	cloudy	clear	cloudy	cloudy	cloudy	fair	rain	cloudy	fair	cloudy	fog	-	-	clear	clear	fair	fair

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

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

No. 414



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 Zi-Ka-Wei Observatory and the met. logs of the Japanese merchant marine.

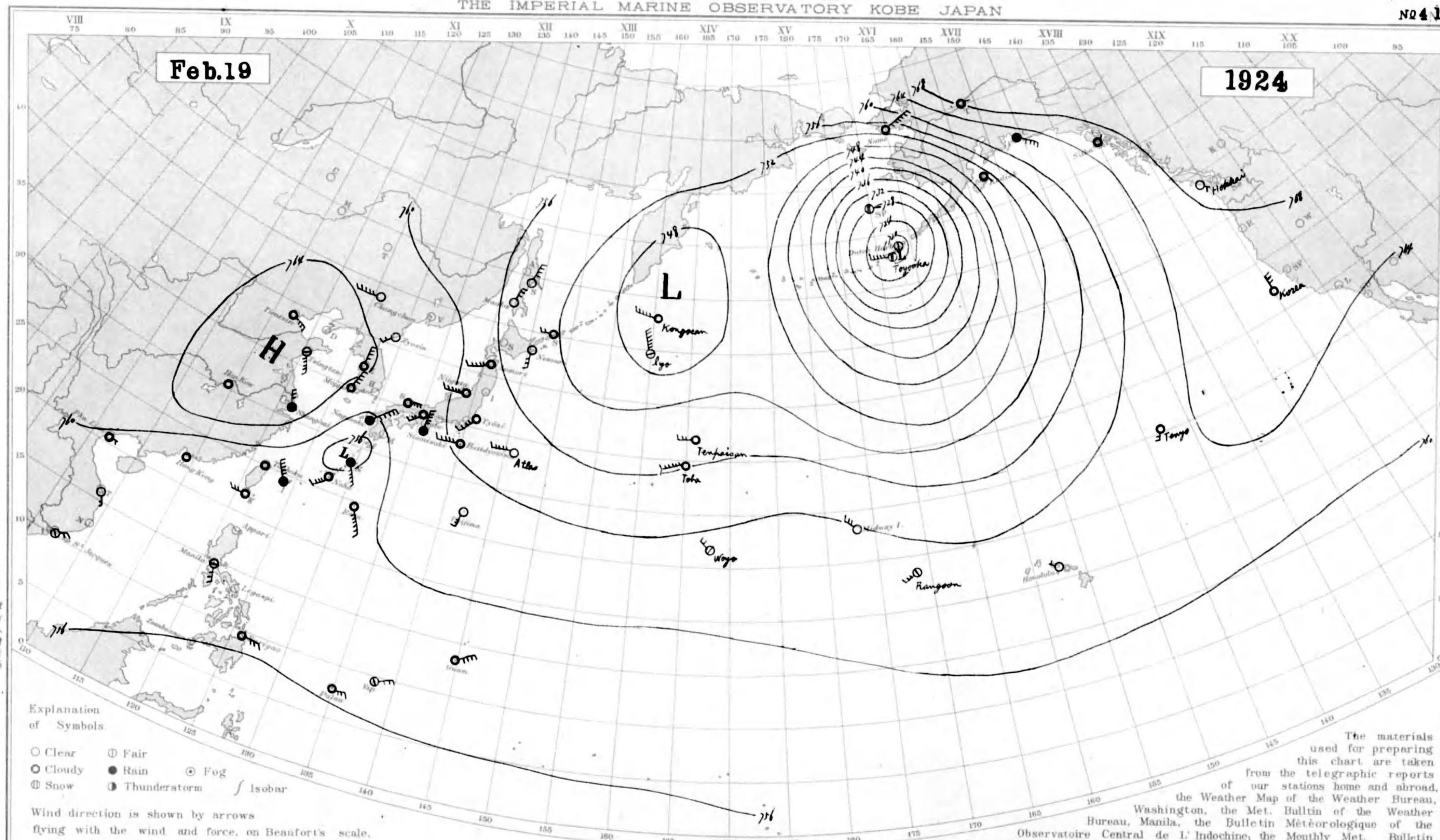
Station	Taihoku	Naha	Nagasaki	Siom-saki	Kobe	Tyosi	Hatidyosima	Titizima	Niigata	Aomori	Nemoro	Maoka	Moppo	Zyosin	Changchun	Tientsin	Tsingtau
Hour of Observation	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	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
Atm. Pressure (Red to m.s.l. and Std. Gr. * not reduced to Std. Gr.)	760.8	762.9	764.3	761.7	762.1	758.2	760.9	763.4	758.6	755.5	749.6	748.0	762.4	755.6	757.3	764.2	763.7
Air Temperature (in C)	16.4	19.7	9.4	10.6	7.6	9.6	11.9	17.8	2.1	3.1	-2.0	748.0	762.4	755.6	757.3	764.2	763.7
Direction and Force of Winds (0-12)	calm	SE 4	W 5	W 5	W 5	SW 3	W 7	W 3	SSW 3	WNW 5	WSW 2	W 4	S 2	SSE 2	WSW 5	N 4	N 4
Weather	cloudy	cloudy	cloudy	clear	cloudy	clear	fair	fair	cloudy	clear	fair	cloudy	cloudy	clear	cloudy	cloudy	cloudy
Station	Shanghai	Hankow	Rassa	Palau	Hongkong	Manila	Surigao	Guam	Yap	Phu-Lien	Cap-S-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	13 : 30 ^h	20 ^h , 135 W	20 ^h , 135 W	20 ^h , 135 W	20 ^h , 135 W
Atm. Pressure (Red to m.s.l. and Std. Gr. * not reduced to Std. Gr.)	761.6	762.8	763.7	755.3	756.9	759.1	757.2	759.0	756.8	761.0	760.0	761.0	755.4	768.0	769.1	748.3	757.9
Air Temperature (in C)	9.9	7.1	19.1	28.0	16.	30.	28.	-	-	16.	27.	20.	19.	-4.	-3.	0.	1.
Direction and Force of Winds (0-12)	SSE 3	NW 2	E 2	ENE 5	E 5	NNE 2	ESE 3	NE 3	ENE 5	calm	ENE 6	SE 1	W 6	NE 4	N -	NE -	NE -
Weather	cloudy	rain	fair	cloudy	cloudy	fair	fair	rain	fair	cloudy	cloudy	clear	cloudy	clear	fair	fair	cloudy

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No. 415



印發行人觀音行所
神戶市中山手通七丁目

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 Zi-Ka-Wei Observatory and the met. logs of the Japanese merchant marine.

Station	Taihoku	Naha	Nagasaki	Siomisaki	Kobe	Tyosai	Hatidyosima	Titi zima	Niigata	Aomori	Nemuro	Maoka	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
Atm. Pressure (Red. to m.s.l. and Std. Gr.)	759.5	756.2	759.9	760.3	761.6	757.5	759.5	762.5	759.8	756.9	753.4	754.5	762.5	762.1	763.5	764.5	765.2
Air Temperature (in C)	17.4	21.3	4.7	9.8	9.2	11.8	14.2	20.6	6.5	1.8	-0.3	-5.7	3.8	-1.3	-11.4	1.6	3.8
Direction and Force of Winds (0-12)	calm	SW 4	NE 5	N 5	SW 3	SW 4	W 5	SSW 3	W 5	WNW 5	S 3	NNE 3	NNE 4	SW 2	W 5	ESE 3	SSE 5
Weather	cloudy	cloudy	rain	rain	cloudy	cloudy	cloudy	clear	cloudy	cloudy	clear	clear	cloudy	clear	clear	cloudy	fair
Station	Shanghai	Hankow	Rasa	Palau	Hongkong	Manila	Surigao	Guam	Yap	Phu-Lien	Cap-S-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	18 : 30 ^h	20 ^h , 135 W	20 ^h , 135 W	20 ^h , 135 W	20 ^h , 135 W
Atm. Pressure (Red. to m.s.l. and Std. Gr.)	764.3	766.0	758.9	756.4	758.3	758.2	767.8	758.2	757.7	761.5	761.3	762.5	760.0	753.9	765.0	717.8	760.3
Air Temperature (in C)	6.8	11.5	23.5	28.0	18.	33.	28.	-	-	19.	27.	21.	17.	-7.	4.	0.	3.
Direction and Force of Winds (0-12)	NNW 3	calm	SSE 6	E 3	calm	SSE 3	E 3	ENE 4	ENE 3	E 1	ENE 2	NW 1	NW 3	-	NE 6	calm	SE -
Weather	rain	cloudy	cloudy	cloudy	cloudy	fair	cloudy	cloudy	fair	cloudy	fair	clear	clear	cloudy	cloudy	fair	cloudy

日 廿 月 二 年 三 十 正 大

圖 氣 天 洋 平 大 北

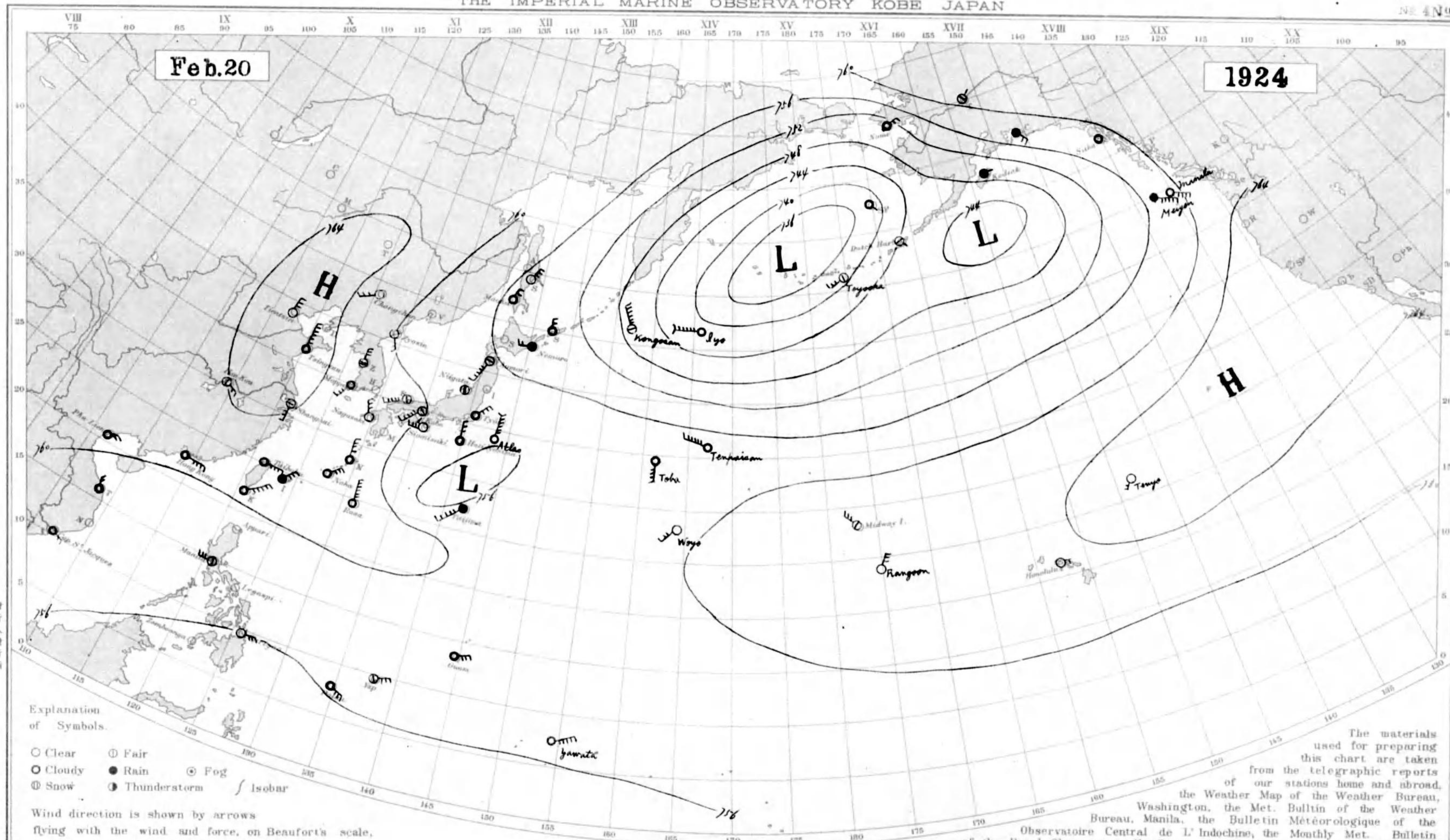
號 五 十 百 第

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

№ 4N95



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 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	Taihoku	Naha	Nagasaki	Simisaki	Kobe	Tyosi	Hatidyosima	Titizima	Niigata	Aomori	Nemuro	Maoka	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
Atm. Pressure (Red to m.s.l. and Std Gr. * not reduced to Std Gr.)	762.1	61.0	763.2	759.7	761.3	757.0	758.0	756.7	758.8	757.2	754.5	754.2	762.1	760.0	762.6	766.0	764.8
Air Temperature (in C)	16.8	17.0	9.7	11.7	8.4	9.6	12.8	18.6	8.0	27.	-3.7	-6.3	9.1	-12.0	-12.2	1.8	8.
Direction and Force of Winds (0-12)	E 4	NE 3	NNW 2	W 3	SW 5	NE 3	N 3	SW 5	calm	SSW 5	W 2	NNE 2	SSW 3	SSE 2	WSW 3	N 3	N 6
Weather	cloudy	cloudy	clear	clear	fair	cloudy	cloudy	rain	calm	fair	rain	cloudy	cloudy	clear	clear	clear	cloudy
Station	Shanghai	Hankow	Rasa	Palau	Hongkong	Manila	Surigao	Guam	Yap	Phu-Lien	Cap S. 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	18 : 30 ^h	20 ^h , 135° W	20 ^h , 135° W	20 ^h , 135° W	20 ^h , 135° W
Atm. Pressure (Red to m.s.l. and Std Gr. * not reduced to Std Gr.)	764.4	764.2	761.1	756.7	760.4	757.5	757.4	758.1	758.3	762.1	761.2	763.5	762.5	761.3	759.5	740.7	749.3
Air Temperature (in C)	9.7	11.8	20.9	26.2	16.	31.	28.	-	-	19.	28.	22.	17.	-1.	4	1.	3.
Direction and Force of Winds (0-12)	S 3	ESE 2	N 6	ESE 3	E 4	W 3	E 3	ENE 3	ENE 3	ENE 2	ESE 2	E 1	NW 3	NE 2	calm	SE -	E -
Weather	fair	fair	cloudy	cloudy	cloudy	fair	fair	cloudy	fair	cloudy	cloudy	clear	fair	cloudy	cloudy	fair	rain

日十月二年三十正大

圖氣天洋平大北

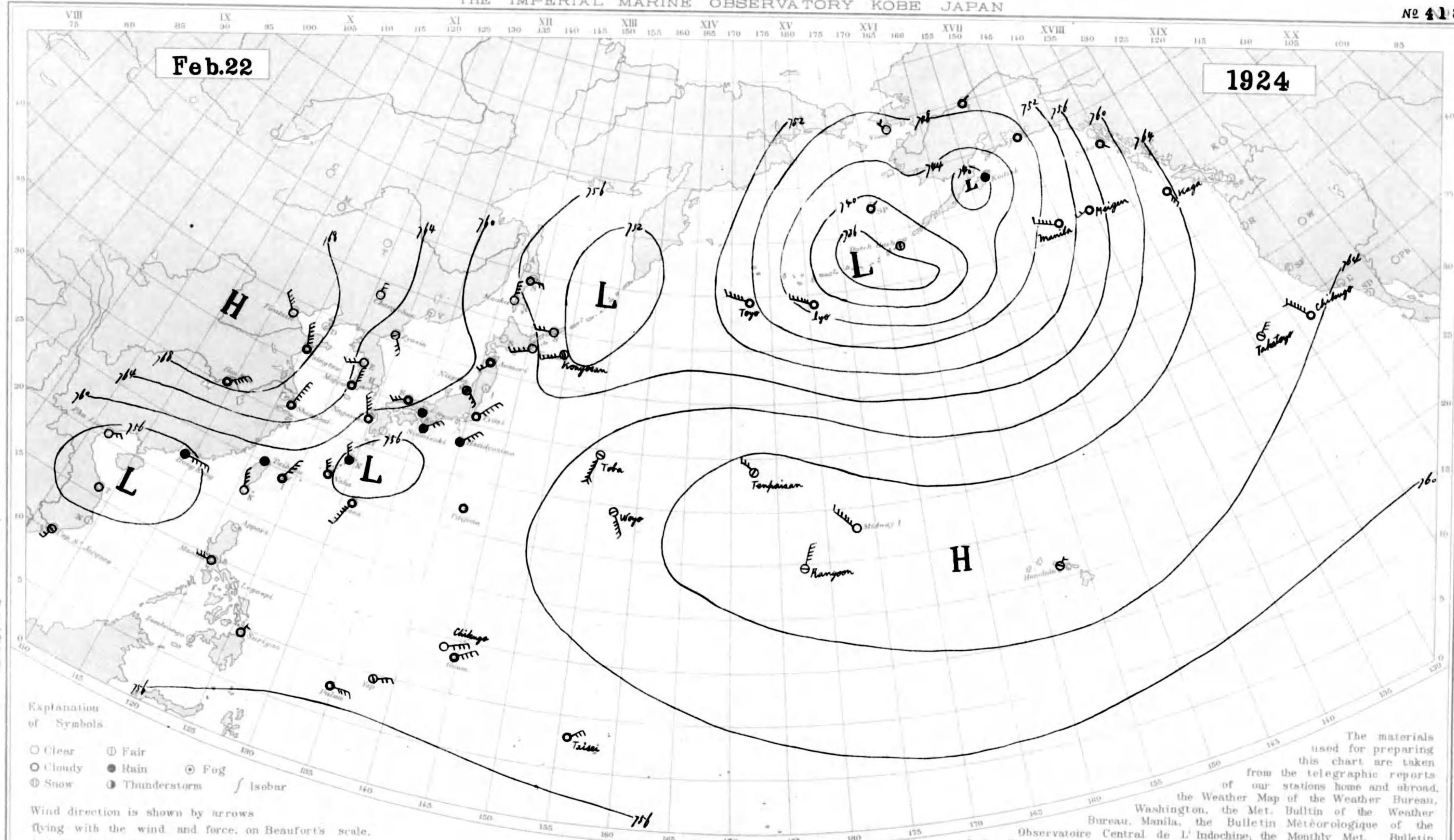
號六十月第

洋氣象台

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

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

No. 418



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 Zi-Ka-Wei Observatory and the met. logs of the Japanese merchant marine.

Station	Taihoku	Naha	Nagasaki	Simiaki	Kobe	Tyosi	Hatidyosima	Titizima	Niigata	Aomori	Nemuro	Maoka	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
Atm. Pressure (Red. to m.s.l. and Std. Gr.)	758.7	756.1	759.8	757.3	759.6	757.0	758.1	758.4	758.2	759.7	757.7	756.1	763.5	761.4	765.9	759.8	768.9
Air Temperature (in C)	18.4	22.1	8.6	7.6	3.0	10.5	10.0	22.4	1.6	0.6	-3.6	-10.0	3.5	-5.4	-16.6	-3.1	-3.7
Direction and Force of Winds (0-12)	calm	NNW 3	NNW 5	NE 3	calm	NE 5	NE 4	S 5	SE 3	SW 2	WSW 4	N 4	N 5	SE 3	N 2	NW 4	MNW 6
Weather	rain	cloudy	cloudy	rain	snow	cloudy	rain	cloudy	cloudy	cloudy	clear	clear	cloudy	fair	clear	clear	cloudy
Station	Shanghai	Hankow	Rasa	Palau	Hongkong	Manila	Surigao	Guam	Yap	Phu-Lien	Cap-S-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	18 : 30 ^h	20 ^h , 135 W	20 ^h , 135 W	20 ^h , 135 W	20 ^h , 135 W
Atm. Pressure (Red. to m.s.l. and Std. Gr.)	755.6	763.9	756.9	757.3	755.9	758.0	758.2	759.2	758.8	757.1	760.5	765.5	766.6	746.2	758.4	739.1	739.1
Air Temperature (in C)	4.7	3.8	24.5	29.3	17.	30.	29.	-	-	21.	30.	23.	16.	-7.	6.	-3.	3.
Direction and Force of Winds (0-12)	NNE 6	NE 5	SSW 6	E 4	E 5	W 3	NNE 1	NE 4	ENE 5	ENE 2	SSW 2	NE 1	NW 6	-	SE -	calm	8 -
Weather	cloudy	cloudy	cloudy	cloudy	rain	clear	clear	cloudy	fair	clear	fair	fair	fair	clear	cloudy	calm	rain

日二十二月二年三十正大

圖氣天洋平大北

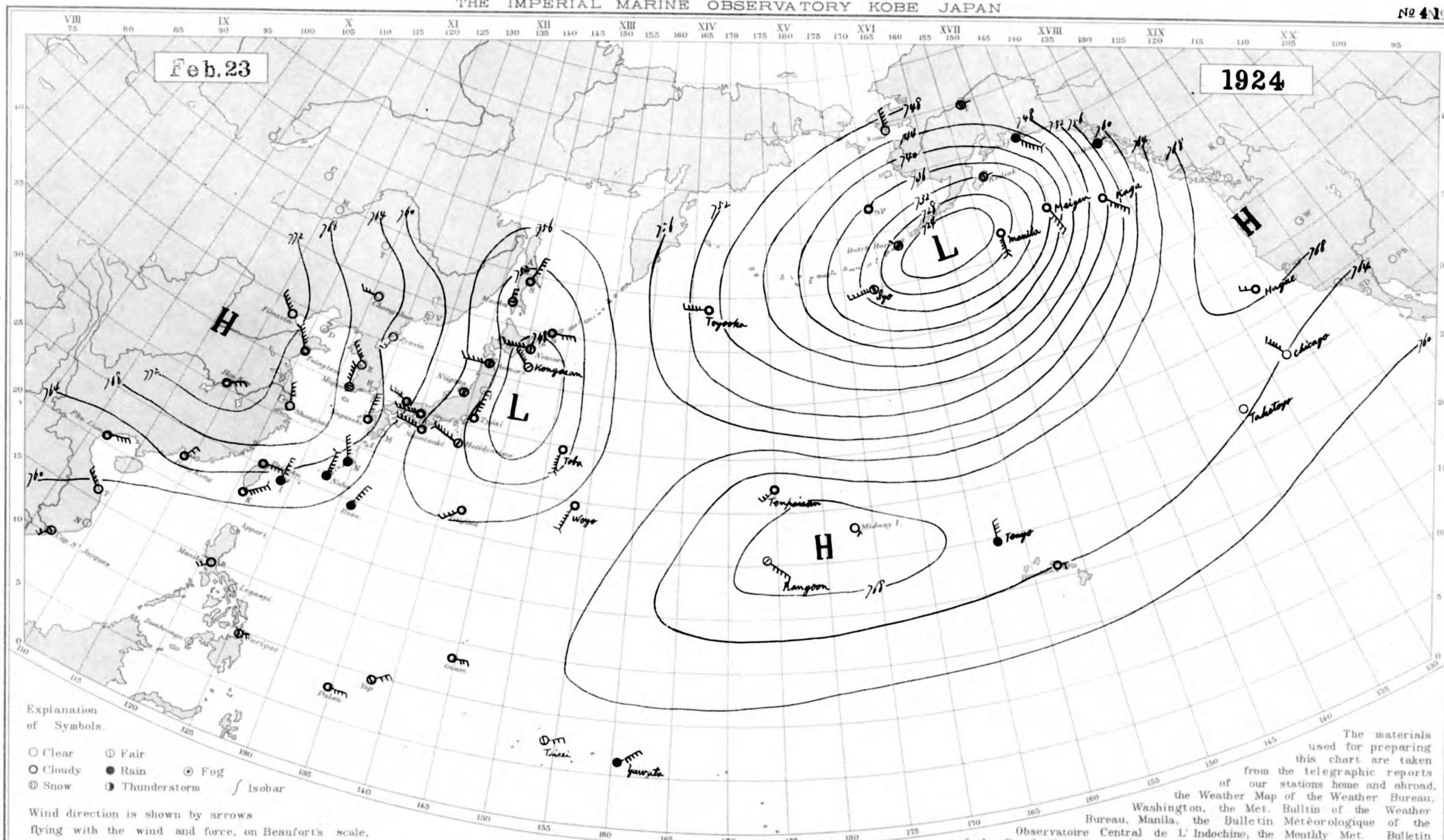
號八十四第

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No. 419



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 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	Taihoku	Naha	Nagasaki	Simisaki	Kobe	Tyosi	Hatidyosima	Titizima	Niigata	Aomori	Nemuro	Maoka	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
Atm. Pressure (Red to m.s.l. and Std. Gr. * not reduced to Std. Gr.)	765.7	762.5	763.7	755.9	758.3	751.8	754.6	755.9	755.7	753.9	746.6	750.9	766.2	763.0	766.6	772.3	770.8
Air Temperature (in C)	11.8	13.6	1.5	7.2	4.6	5.3	8.0	21.3	-3.1	-5.2	7.4	-8.2	-2.4	-7.4	-14.3	-3.7	-3.2
Direction and Force of Winds (0-12)	E 4	N 7	N 5	WNW 6	W 6	NNE 6	WNW 7	SW 4	calm	W 5	W 6	N 2	N 5	SSW 2	W 3	NW 5	NW 7
Weather	cloudy	rain	cloudy	cloudy	cloudy	cloudy	fair	cloudy	calm	snow	fair	fair	snow	clear	clear	clear	cloudy
Station	Shanghai	Hankow	Rasa	Palau	Hongkong	Manila	Surigao	Guam	Yap	Phu-Lien	Cap-S-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	18:30 ^h	20 ^h , 135 W	20 ^h , 135 W	20 ^h , 135 W	20 ^h , 135 W
Atm. Pressure (Red to m.s.l. and Std. Gr. * not reduced to Std. Gr.)	771.4	774.8	759.4	757.1	764.6	758.7	758.7	758.7	758.4	764.1	761.1	764.0	769.1	745.2	756.9	726.9	732.0
Air Temperature (in C)	3.5	4.7	19.9	28.4	12.	30.	29.	29.	-	18.	26.	22.	15.	-16.	7.	-2.	2.
Direction and Force of Winds (0-12)	NNW 4	ENE 3	NNE 5	E 4	NNE 2	SW 2	ENE 1	E 3	NR 3	ENE 4	SW 2	E 1	SE 1	N 5	E -	NW -	E -
Weather	clear	cloudy	rain	cloudy	cloudy	clear	fair	cloudy	fair	cloudy	fair	cloudy	clear	clear	rain	snow	fair

日三十月二年三十一正大

圖氣天洋平大北

號九十二第

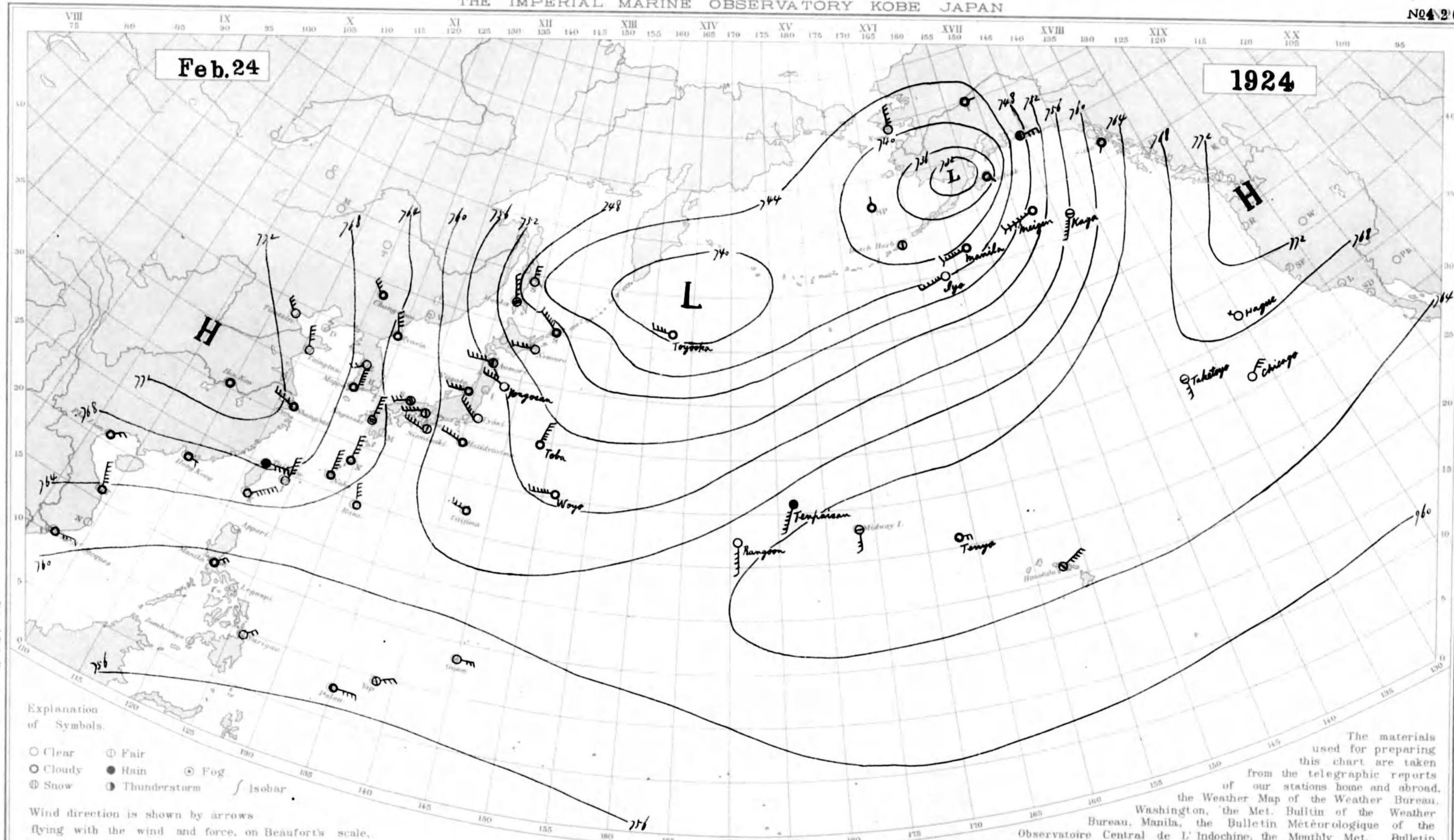
印行人發行所
神戶市中山手通七丁目

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No. 420



印 發 行 人 觀 音 行 務
神 戶 市 中 山 手 通 七 丁 目
海 氣 象 署

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 Zi-Ka-Wei Observatory and the met. logs of the Japanese merchant marine.

Station	Taihoku	Naha	Nagasaki	Siemisaki	Kobe	Tyosji	Hatidyosima	Titi zima	Niigata	Aomori	Nemuro	Maoka	Meppo	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
Atm. Pressure (Red. to m.s.l. and Std Gr.)	768.5	766.6	766.6	761.6	762.4	767.9	759.2	758.5	759.3	755.8	750.7	748.6	767.4	762.4	765.5	769.4	770.7
Air Temperature (in C)	10.1	12.1	3.0	3.9	8.0	3.8	8.5	16.7	-1.0	-4.9	-6.2	-9.2	0.1	-5.8	-12.0	1.8	-0.9
Direction and Force of Winds (0-12)	E 4	N 6	N 5	WNW 8	WSW 8	NW 6	WNW 8	WNW 3	W 4	W 5	W 4	NNW 5	N 6	NNW 4	NW 3	NW 3	NNW 4
Weather	rain	cloudy	snow	fair	fair	clear	cloudy	cloudy	cloudy	snow	clear	snow	cloudy	cloudy	cloudy	clear	clear
Station	Shanghai	Hankow	Rasa	Palau	Hongkong	Manila	Surigao	Guam	Yap	Phu-Lien	Cap-S-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	18 : 30 ^h	20 ^h , 135 W	20 ^h , 135 W	20 ^h , 135 W	20 ^h , 135 W
Atm. Pressure (Red. to m.s.l. and Std Gr.)	771.8	773.6	763.4	766.7	767.3	759.3	758.4	766.2	758.2	769.4	761.8	764.5	766.6	740.1	760.5	739.1	733.0
Air Temperature (in C)	3.8	6.6	15.4	29.1	13.	30.	30.	-	-	13.	27.	22.	19.	-11.	6.	-1.	1.
Direction and Force of Winds (0-12)	WNW 4	calm	NNW 4	E 4	E 1	NE 2	NE 2	E 3	ENE 3	NE 2	ENE 4	NE 6	S 3	N 5	SW	calm	SE
Weather	cloudy	cloudy	cloudy	cloudy	cloudy	cloudy	clear	cloudy	fair	cloudy	cloudy	fair	fair	fair	cloudy	fair	cloudy

錢 價 定 日 四 十 一 二 年 三 十 正 大

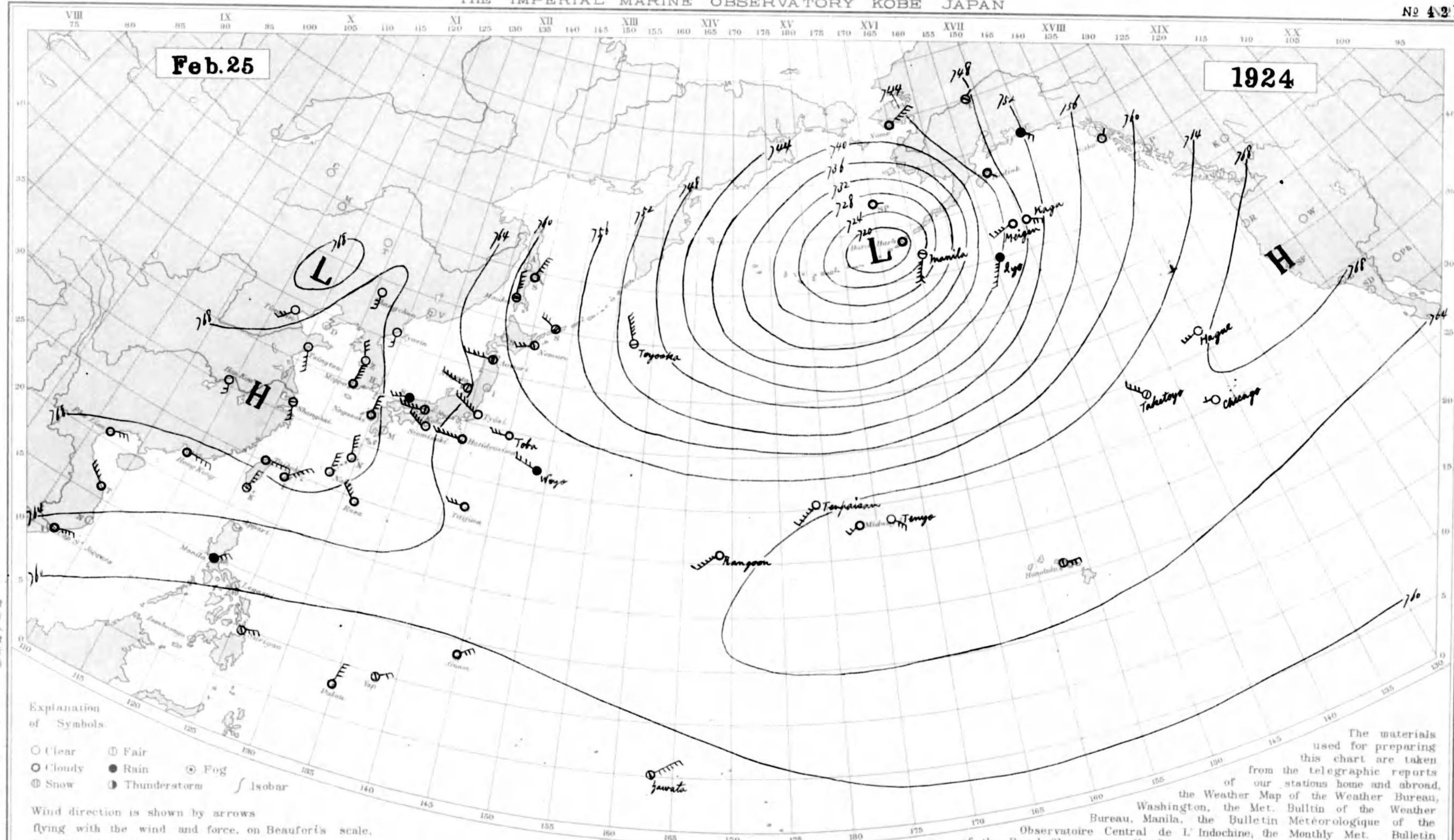
圖 氣 天 洋 平 大 北

號 十 五 四 第

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

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

No. 421



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 Zi-Ka-Wei Observatory and the met. logs of the Japanese merchant marine.

Station	Taihoku 12 ^h , 135 E	Naha 12 ^h , 135 E	Nagasaki 12 ^h , 135 E	Siomi saki 12 ^h , 135 E	Kobe 12 ^h , 135 E	Tyosi 12 ^h , 135 E	Hatidyosima 12 ^h , 135 E	Tiizinga 12 ^h , 135 E	Niigata 12 ^h , 135 E	Aomori 12 ^h , 135 E	Nemuro 12 ^h , 135 E	Maoka 12 ^h , 135 E	Moppo 12 ^h , 135 E	Zyusin 12 ^h , 135 E	Changchun 12 ^h , 135 E	Tientsin 12 ^h , 135 E	Tsingtau 12 ^h , 135 E
Atm. Pressure (Red. to sea level and Std. Gr.)	769.1	768.9	768.8	764.6	765.5	761.6	762.6	763.6	764.2	761.7	757.5	759.3	769.7	766.9	768.1	767.2	769.2
Air Temperature (in C)	14.0	14.8	3.1	6.2	5.0	6.9	10.3	16.2	1.8	-2.8	-3.7	-5.5	1.8	-3.5	-11.5	5.6	4.1
Direction and Force of Winds (0-12)	E 5	N 4	N 4	NW 5	W 5	NW 6	W 6	W 3	WNW 5	W 5	WSW 3	N 5	N 5	SSE 2	S 3	SW 3	SSE 4
Weather	cloudy	clear	cloudy	clear	fair	clear	cloudy	cloudy	fair	snow	fair	snow	cloudy	clear	clear	clear	clear

Station	Shanghai 12 ^h , 135 E	Hankow 12 ^h , 135 E	Rusa 12 ^h , 135 E	Palau 12 ^h , 135 E	Hongkong 14 ^h	Manila 14 ^h	Surigao 14 ^h	Guam 14 ^h	Yap 14 ^h	Phi-Lien 10 ^h	Cap-S-Jacques 10 ^h	Honolulu 20 ^h	Midway I. 18 : 30 ^h	Nome 20 ^h , 135 W	Sitka 20 ^h , 135 W	Dutch Harbor 20 ^h , 135 W	Kodiak 20 ^h , 135 W
Atm. Pressure (Red. to sea level and Std. Gr.)	771.3	769.8	766.9	758.0	767.0	761.5	759.7	759.8	758.6	769.0	763.3	766.6	765.0	742.2	757.4	719.8	744.2
Air Temperature (in C)	8.0	9.7	17.0	28.1	14.	27.	28.	-	-	13.	27.	22.	20.	-11.	4.	1.	2.
Direction and Force of Winds (0-12)	SSE 3	SSE 2	NW 4	NNE 4	E 4	NE 3	ENE 3	NE 3	NE 2	ENE 3	ENE 4	E 3	SW 2	NE 5	NE -	calm	SE -
Weather	fair	clear	cloudy	cloudy	cloudy	rain	fair	cloudy	fair	cloudy	cloudy	fair	cloudy	cloudy	clear	cloudy	cloudy

日五十月三年三十正大

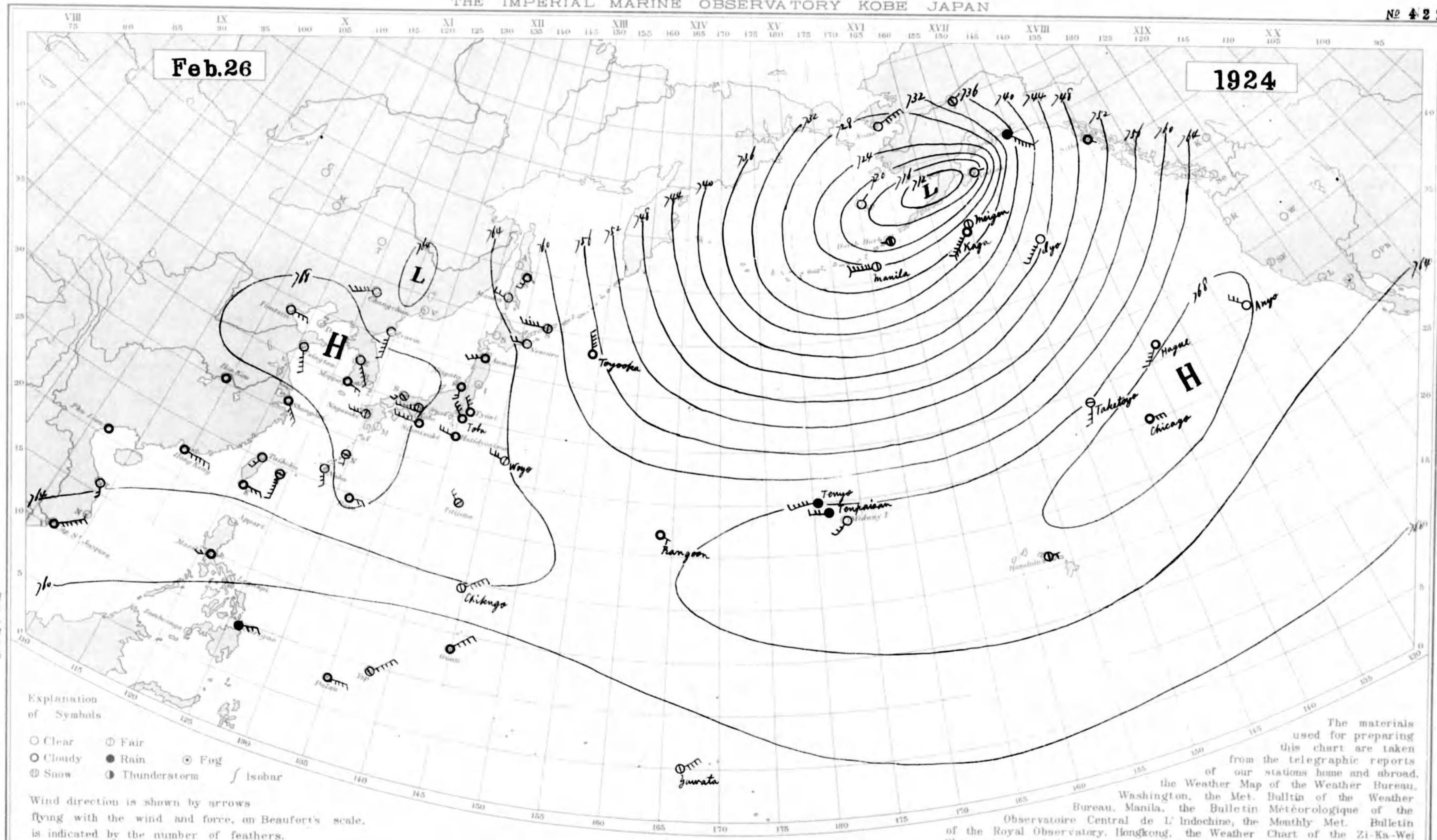
圖氣天洋平大北

號一十二百四第

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

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

No. 422



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 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	Taihoku	Naha	Nagasaki	Simi saki	Kobe	Tyosi	Hatidyosima	Titizima	Niigata	Aomori	Nemuro	Maoka	Moppo	Zyosin	Changchun	Tientsin	Tsingtan
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 sea l. and Std. Gr.)	766.7	767.9	770.4	767.5	768.7	766.2	766.8	766.4	767.4	765.2	763.9	763.1	770.8	766.4	767.3	769.4	768.7
Air Temperature (in C)	20.4	19.6	8.3	9.0	7.4	6.3	10.3	18.6	1.0	1.7	-2.9	-4.0	5.3	-0.1	-9.4	3.8	1.0
Direction and Force of Winds (0-12)	SSW 2	SSE 3	W 3	W 5	W 6	NNW 3	WNW 3	NW 2	S 2	WSW 3	W 2	WNW 2	ESE 2	S 5	WSW 5	E 5	SSW 4
Weather	clear	clear	fair	cloudy	fair	cloudy	cloudy	fair	cloudy	cloudy	clear	clear	cloudy	clear	clear	clear	clear
Station	Shanghai	Hankow	Rasa	Palau	Hongkong	Manila	Surigao	Guam	Yap	Phi-Lien	Cap-S-Jacques	Honshulu	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	18 ^h , 30 ^h	20 ^h , 135 W	20 ^h , 135 W	20 ^h , 135 W	20 ^h , 135 W
Atm. Pressure (Red to sea l. and Std. Gr.)	767.7	767.7	768.7	758.2	764.9	762.0	760.0	760.4	759.9	766.4	763.0	767.6	765.5	726.4	748.8	717.3	713.7
Air Temperature (in C)	9.9	10.6	18.7	27.7	17.	28.	29.	-	-	15.	26.	22.	20.	-7.	7.	0.	3.
Direction and Force of Winds (0-12)	SE 4	calm	ENE 2	E 4	E 5	WSW 2	ENE 3	NE 4	NE 5	calm	NE 7	E 1	SW 3	NE 5	SE -	W -	E -
Weather	cloudy	cloudy	cloudy	cloudy	cloudy	cloudy	rain	cloudy	fair	cloudy	cloudy	fair	clear	cloudy	cloudy	snow	cloudy

日六十月二年三十正大

圖氣天洋平大北

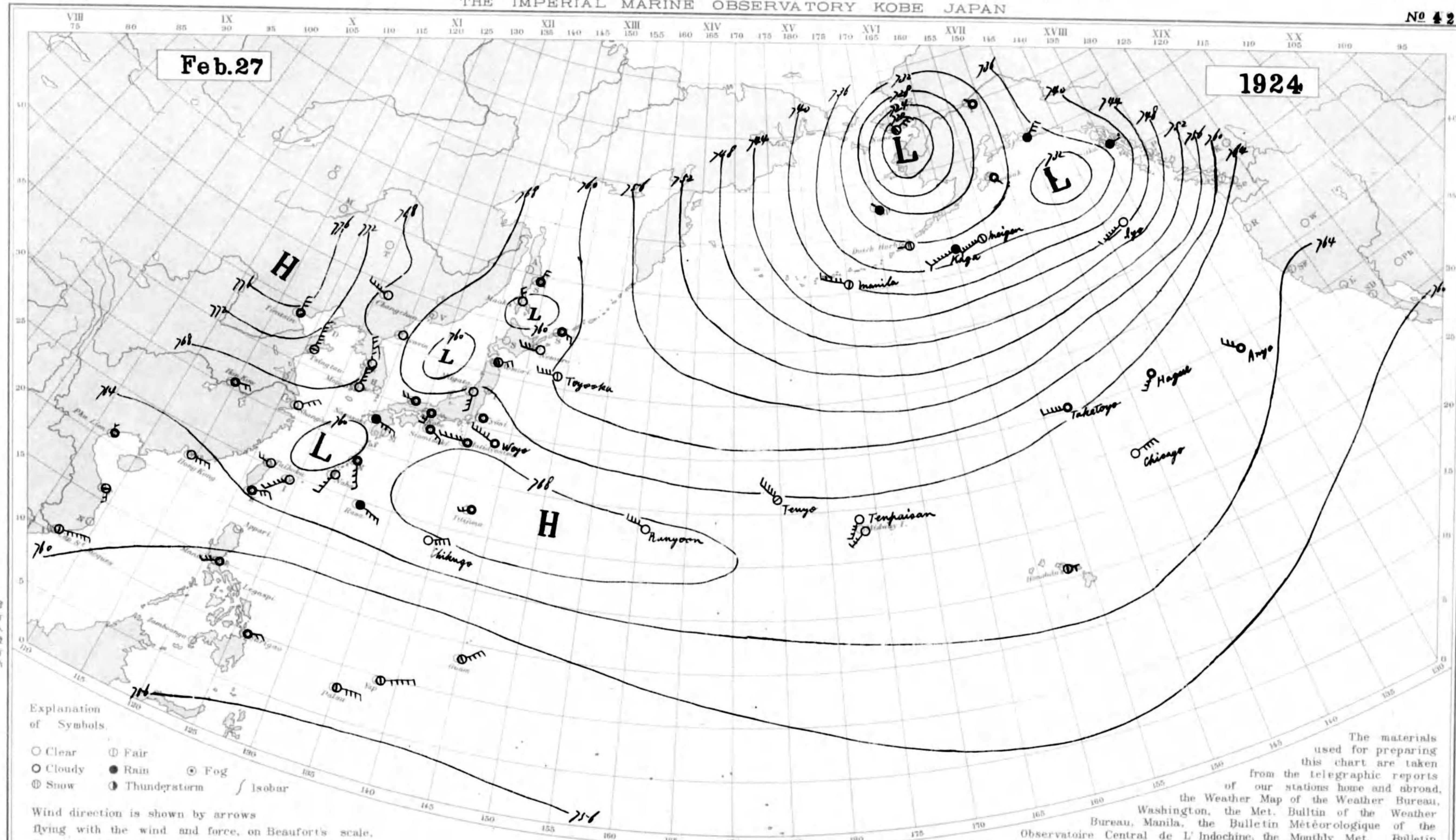
號二十百第

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 423



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.

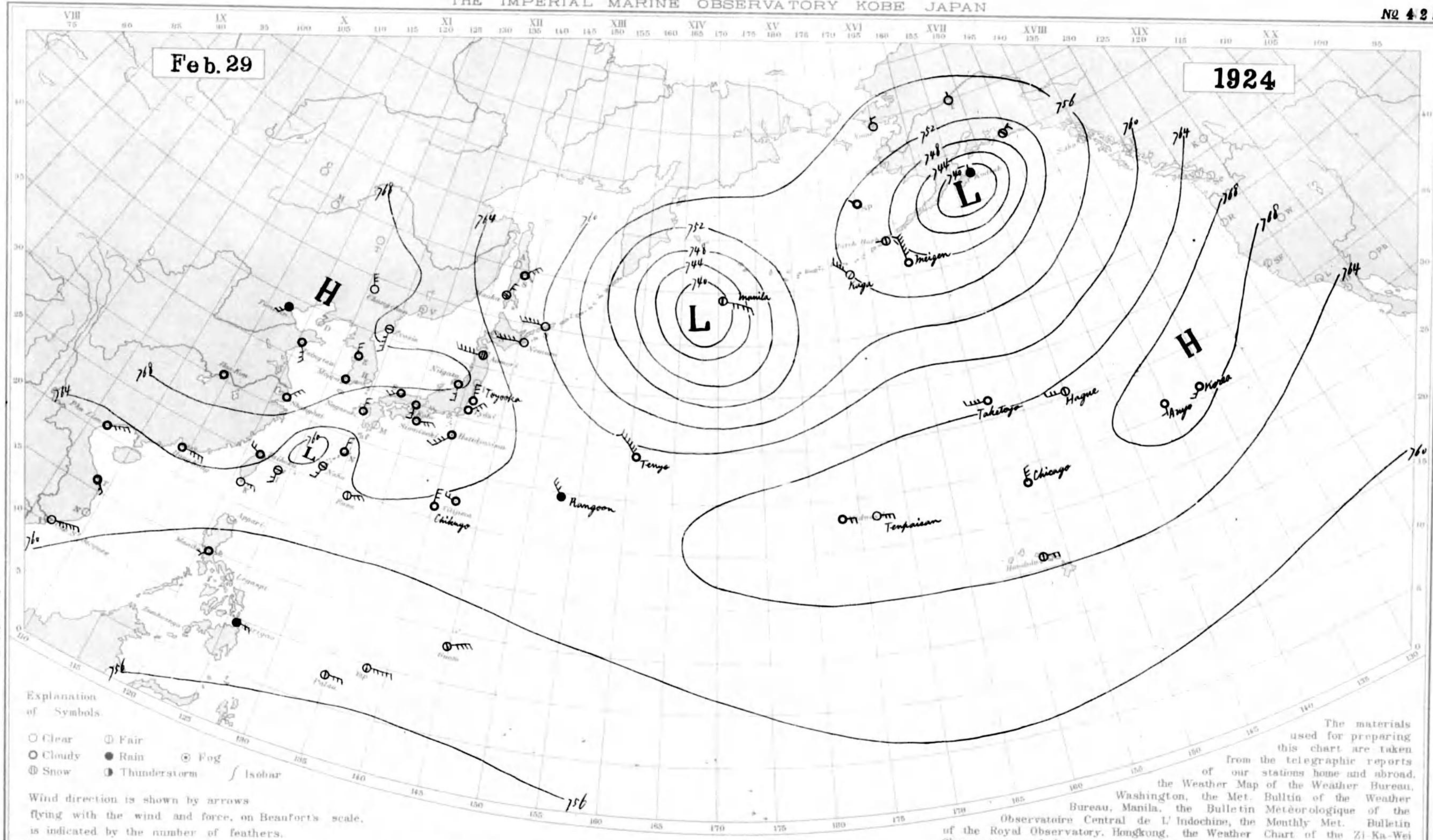
The materials used for preparing this chart are taken from the telegraphic reports of our stations home and abroad, the Weather Map of the Weather Bureau, Washington, the Met. Bulletin of the Weather Bureau, Manila, the Bulletin Météorologique of the Observatoire Central de L'Indochine, the Monthly Met.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

Station	Taihoku	Naha	Nagasaki	Siemaki	Kobe	Tyosi	Hatidyosima	Titizima	Niigata	Aomori	Nemuro	Maoka	Moppo	Zyosin	Chungchun	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 m.s.l. and Std. Gr.)	765.2	765.5	767.4	767.4	766.8	766.1	767.8	768.5	764.1	760.9	760.7	758.4	767.6	765.4	766.9	775.9	771.0
Air Temperature (in C)	19.2	23.8	4.9	10.7	7.4	8.0	13.2	19.7	3.2	1.7	-1.1	-2.0	9.9	-1.7	12.6	-1.6	-3.3
Direction and Force of Winds (0-12)	W 2	SSW 4	ESE 4	ESE 2	SSW 2	calm	W 5	WSW 2	S 3	ENE 2	W 3	NNW 2	N 4	calm	WNW 4	N 3	N 6
Weather	clear	clear	rain	cloudy	cloudy	cloudy	cloudy	cloudy	cloudy	snow	clear	clear	cloudy	clear	clear	cloudy	fair
Station	Shanghai	Hankow	Rusa	Palau	Hongkong	Manila	Surigao	Guam	Yap	Phu-Lien	Cap-S-Jarques	Honolulu	Midway I.	Zyosin	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	18 : 30 ^h	20 ^h , 135 W	20 ^h , 135 W	20 ^h , 135 W	20 ^h , 135 W
Atm. Pressure (Red to m.s.l. and Std. Gr.)	766.5	766.4	766.1	757.3	763.4	761.1	760.0	760.7	759.4	764.5	762.4	765.5	765.0	719.3	736.1	732.5	729.0
Air Temperature (in C)	10.7	9.2	22.4	29.4	21.	29.	27.	27.	17.	28.	22.	22.	20.	-4.	6.	-1.	1.
Direction and Force of Winds (0-12)	NE 3	ENE 2	ESE 4	E 4	E 4	WSW 3	ENE 2	NE 4	ENE 5	NW 1	ENE 6	E 1	SW 3	NE 3	E -	W -	SE -
Weather	clear	cloudy	rain	fair	clear	cloudy	cloudy	fair	fair	cloudy	fair	fair	clear	snow	rain	snow	cloudy

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

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

No. 425



印 發 行 人 發 行 所
神 戶 市 中 山 手 通 七 丁 目
海 洋 氣 象 臺

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

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 Zi-Ka-Wei Observatory and the met. logs of the Japanese merchant marine.

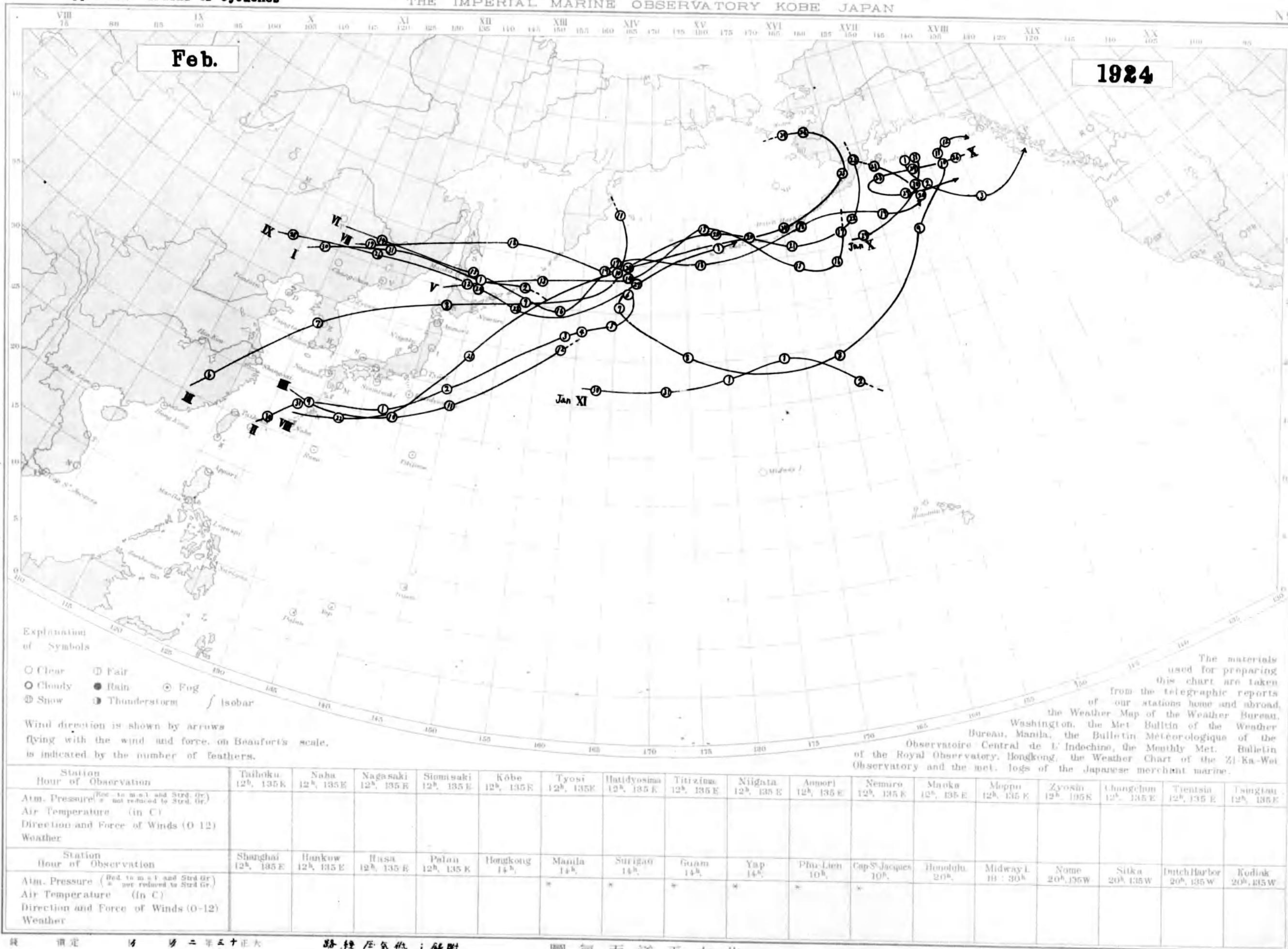
Station	Taihoku	Naha	Nagasaki	Simisaki	Kobe	Tyosai	Hatidyosima	Titizima	Niigata	Aomori	Nemuro	Maoka	Moppo	Zyosin	Changchun	Tientsin	Tsingtau
Hour of Observation	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	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
Atm. Pressure (Red to m.s.l. and Std Gr.)	764.8	763.4	767.0	764.9	767.4	765.7	763.3	763.6	768.2	766.1	760.9	760.2	768.3	767.2	771.5	770.4	770.9
Air Temperature (in C)	18.8	24.9	6.8	10.4	5.4	6.7	14.9	21.8	3.0	-2.6	-4.7	-7.4	5.	-1.	-11.8	-1.0	1.2
Direction and Force of Winds (0-12)	WNW 2	SSW 2	N 2	ENE 3	S 2	NE 3	SW 4	WNW 2	S 2	W 5	W 5	NNE 2	calm	S 4	NNW 3	SW 2	SSE 3
Weather	cloudy	fair	cloudy	cloudy	cloudy	cloudy	cloudy	cloudy	cloudy	snow	clear	snow	cloudy	fair	clear	rain	cloudy
Station	Shanghai	Hankow	Rasa	Palau	Hongkong	Manila	Surigao	Guam	Yap	Phu-Lien	Cap-S-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	16 ^h	20 ^h	18:30 ^h	20 ^h , 135 W	20 ^h , 135 W	20 ^h , 135 W	20 ^h , 135 W
Atm. Pressure (Red to m.s.l. and Std Gr.)	769.3	770.1	763.9	756.7	764.3	760.1	769.2	768.7	768.3	764.9	762.1	764.5	766.6	753.9	-	749.8	738.6
Air Temperature (in C)	4.3	5.9	23.6	29.1	17.	29.	30.	-	-	21.	27.	22.	18.	-26.	-	-4.	2.
Direction and Force of Winds (0-12)	NE 3	calm	ENE 3	E 3	E 4	SW 1	E 2	ENE 5	E 5	ENE 4	ENE 6	E 2	E 2	N 1	-	W	N
Weather	cloudy	cloudy	fair	fair	cloudy	cloudy	rain	fair	fair	cloudy	clear	fair	cloudy	clear	-	fair	rain

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

Appendix: Tracks of Cyclones



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印刷局

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-Wai Observatory and the met. logs of the Japanese merchant marine.

不許複製

印刷所

海洋氣象臺

印刷者
發行兼

海洋氣象臺

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