

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

大正三十三年十二月

神戶

海軍氣象臺

DAILY WEATHER CHARTS

OF THE

NORTH PACIFIC OCEAN.

DECEMBER

1924



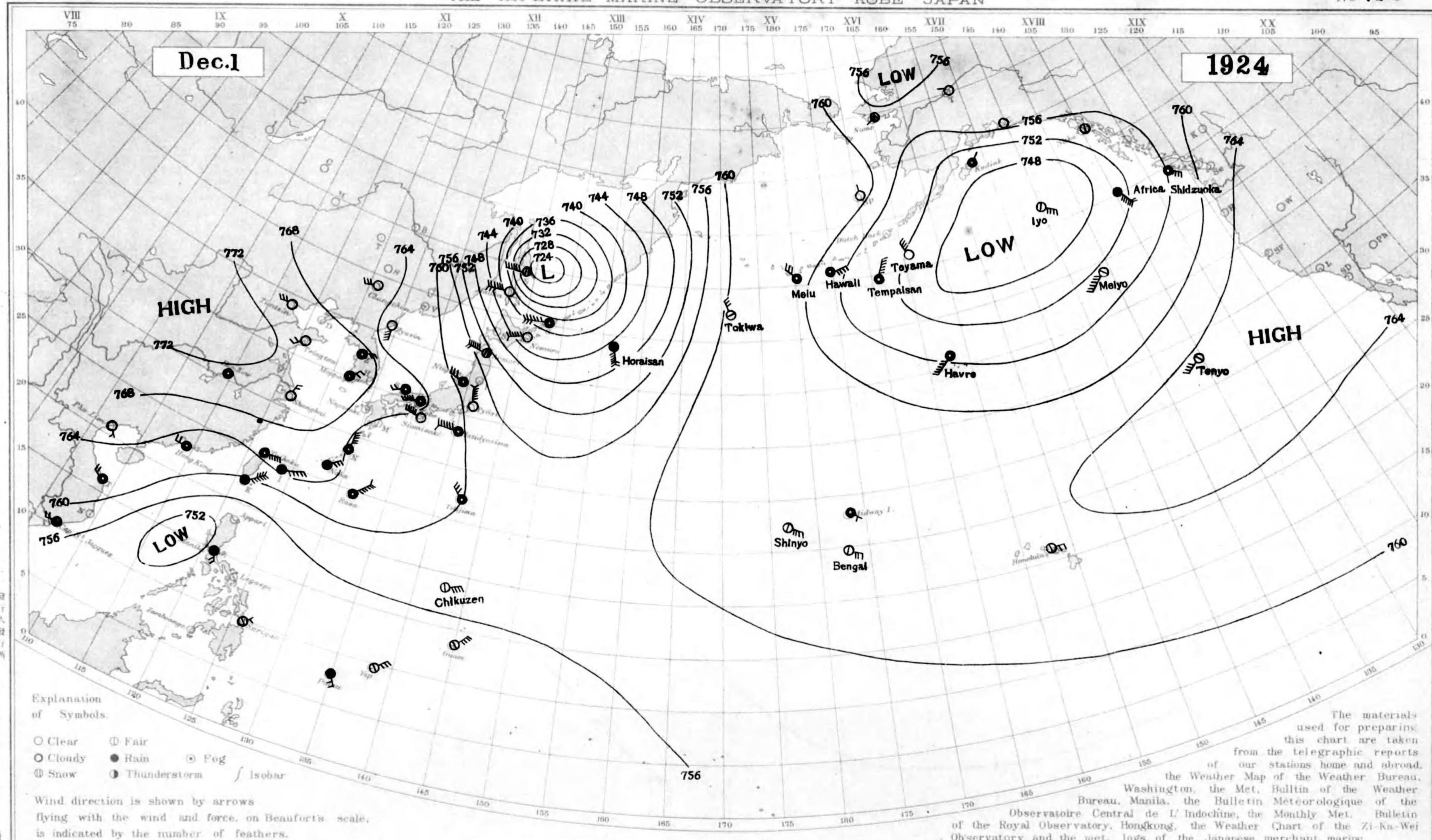
THE IMPERIAL MARINE OBSERVATORY,
KOBE, JAPAN.

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 771



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.

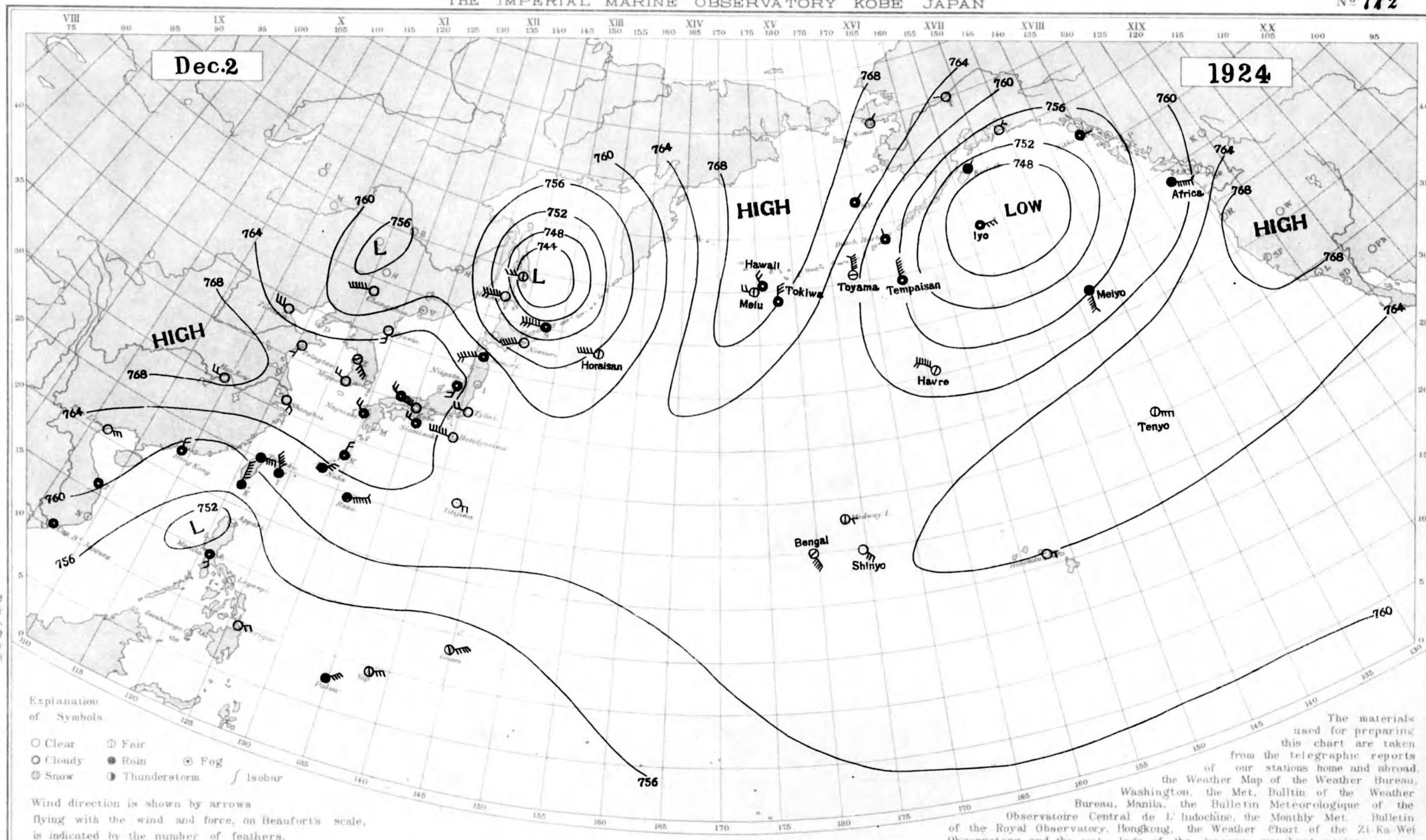
Station	Taihoku	Naha	Nagasaki	Siomi	Kobe	Tyosii	Hatidyosima	Titizima	Niigata	Aomori	Nemuro	Maaka	Moppo	Zyosin	Changchun	Tientsin	Tsingtau
Hour of Observation	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^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.)*	755.4	765.6	767.8	762.5	764.4	757.1	760.1	760.0	759.7	752.7	740.2	736.1	769.1	762.5	766.0	768.7	770.4
Air Temperature (in C)	17.5	15.6	7.1	11.0	7.6	10.8	11.4	23.9	5.3	-0.8	1.6	-5.0	6.3	2.0	-6.0	24.0	2.4
Direction and Force of Winds (0-12)	E 5	NE 3	N 2	WNW 4	W 5	NNW 7	W 7	NW 3	WNW 8	WNW 8	WSW 7	W 9	NE 2	S 4	WSW 3	W 3	SW 2
Weather	cloudy	rain	clear	clear	cloudy	clear	cloudy	cloudy	cloudy	cloudy	clear	snow	cloudy	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.)*	770.9	771.2	763.2	756.2	762.2	753.7	756.1	756.5	756.4	766.2	760.8	763.5	763.5	756.4	754.9	753.4	749.8
Air Temperature (in C)	9.4	6.7	21.7	25.3	20.	27.	30.	-	-	22.	23.	23.	20.	-6.	6.	1.	4.
Direction and Force of Winds (0-12)	NNE 2	calm	NE 7	SSE 2	W 2	SSE 2	NE 1	NE 4	NE 3	SE 1	WSW 2	E 2	SE 1	SW 1	calm	S -	NE -
Weather	clear	cloudy	cloudy	rain	cloudy	rain	fair	fair	fair	clear	rain	fair	cloudy	snow	fair	snow	cloudy

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No. 772



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.

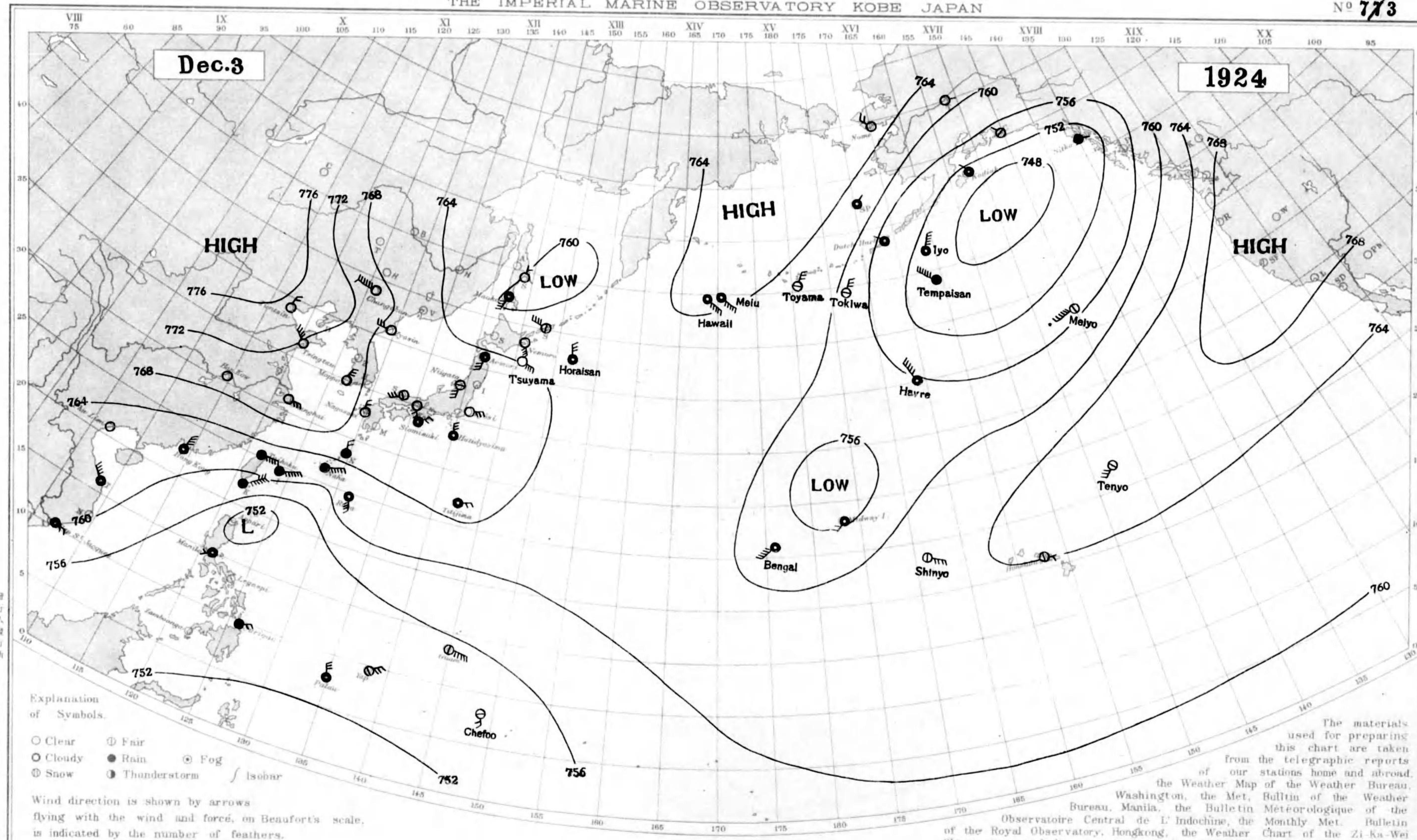
Station	Taihoku	Naha	Nagasaki	Sionisaki	Kobe	Tyosi	Hatidoyosima	Titiuzina	Niigata	Aomori	Nemuro	Maoka	Moppo	Zyosin	Changchun	Tientsin	Tsingtau
Hour of Observation	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 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 Surd. Gr.)	760.9	763.1	766.2	764.9	765.9	762.9	763.5	763.1	764.9	760.9	754.2	749.9	767.1	763.6	757.8	763.7	766.1
Air Temperature (in C)	20.2	17.4	11.5	12.8	11.1	12.0	15.3	22.9	6.0	4.4	3.9	-1.4	8.5	3.8	1.2	2.6	7.7
Direction and Force of Winds (0-12)	E 4	NE 3	NW 2	WNW 2	WNW 4	W 2	W 6	ESE 2	SSW 2	WSW 8	WSW 6	W 8	WNW 2	S 2	WSW 6	W 3	SSW 1
Weather	rain	rain	cloudy	cloudy	clear	clear	clear	cloudy	cloudy	cloudy	clear	clear	clear	clear	clear	clear	clear
Station	Shanghai	Hankow	Rusa	Palau	Hongkong	Manila	Surigao	Guam	Yap	Phu-Lien	Cap-S-Jacques	Honolulu	Midway I.	Nome	Sika	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 Surd. Gr.)	766.1	768.3	761.6	755.4	759.2	755.2	756.3	756.6	756.3	764.6	761.1	764.0	762.0	766.1	753.9	757.9	748.3
Air Temperature (in C)	16.3	10.6	22.4	28.3	22.	28.	30.	-	-	21.	25.	24.	21.	-14.	8.	1.	6.
Direction and Force of Winds (0-12)	SE 2	W 2	ENE 7	NE 4	N 2	SSE 2	ENE 2	ENE 5	ENE 3	ENE 3	SE 2	E 1	E 1	NE 1	E -	N -	NE -
Weather	clear	clear	rain	rain	cloudy	cloudy	clear	fair	fair	clear	cloudy	clear	fair	clear	cloudy	cloudy	rain

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 773



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	Tsuhoku	Naha	Nagasaki	Siomi saki	Kobe	Tyosi	Hatidyosima	Titizima	Niigata	Aomori	Nosuro	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.)	764.1	763.3	767.7	766.5	767.4	765.8	765.6	764.3	766.0	764.2	763.2	759.1	769.2	763.8	771.7	775.0	771.7
Air Temperature (in C)	19.4	19.6	12.5	13.2	11.6	13.6	16.1	23.1	12.0	10.3	6.3	3.9	13.3	9.8	-8.0	4.8	6.9
Direction and Force of Winds (0-12)	E 5	ENE 5	N 2	NE 2	SSE 2	ENE 3	WNW 3	ENE 2	SSW 3	SSW 3	SSE 4	SSW 4	NNE 3	W 3	WNW 7	NNE 2	NW 4
Weather	rain	rain	clear	cloudy	clear	clear	cloudy	cloudy	fair	cloudy	clear	cloudy	clear	clear	clear	clear	clear
Station	Shanghai	Hankow	Rasa	Palau	Hongkong	Manila	Surigao	Guam	Yap	Phu-Lien	Cap St Jacques	Honolulu	Midway I.	Nome	Sitka	Dutch Harbor	Kodink
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.)	769.0	769.4	761.0	754.9	760.7	757.2	757.2	757.3	756.4	764.7	761.7	764.0	755.9	764.5	751.3	755.4	760.3
Air Temperature (in C)	13.5	11.5	26.8	27.4	22.	29.	29.	-	-	23.	23.	24.	22.	-10.	8.	0.	4.
Direction and Force of Winds (0-12)	E 3	- 1	SSE 4	NNW 3	NNE 4	SW 1	ENE 2	E 5	NE 3	calm	E 2	E 1	SW 3	NW 2	E -	NW -	NW -
Weather	clear	clear	cloudy	cloudy	cloudy	cloudy	rain	fair	fair	clear	cloudy	fair	cloudy	clear	rain	cloudy	cloudy

日 三 月 二 一 年 三 一 正 大

圖 氣 天 洋 平 大 北

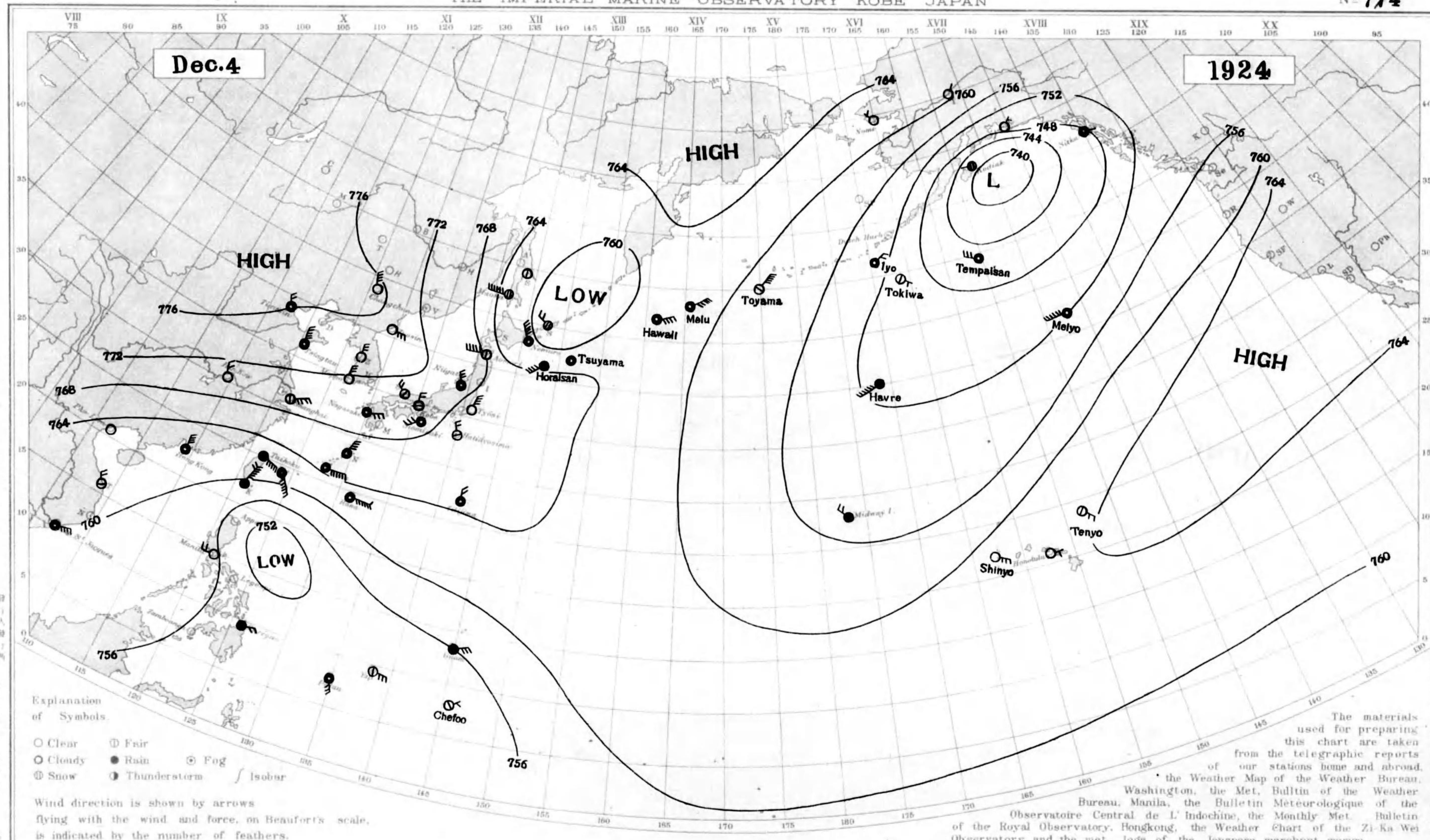
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DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 774



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.

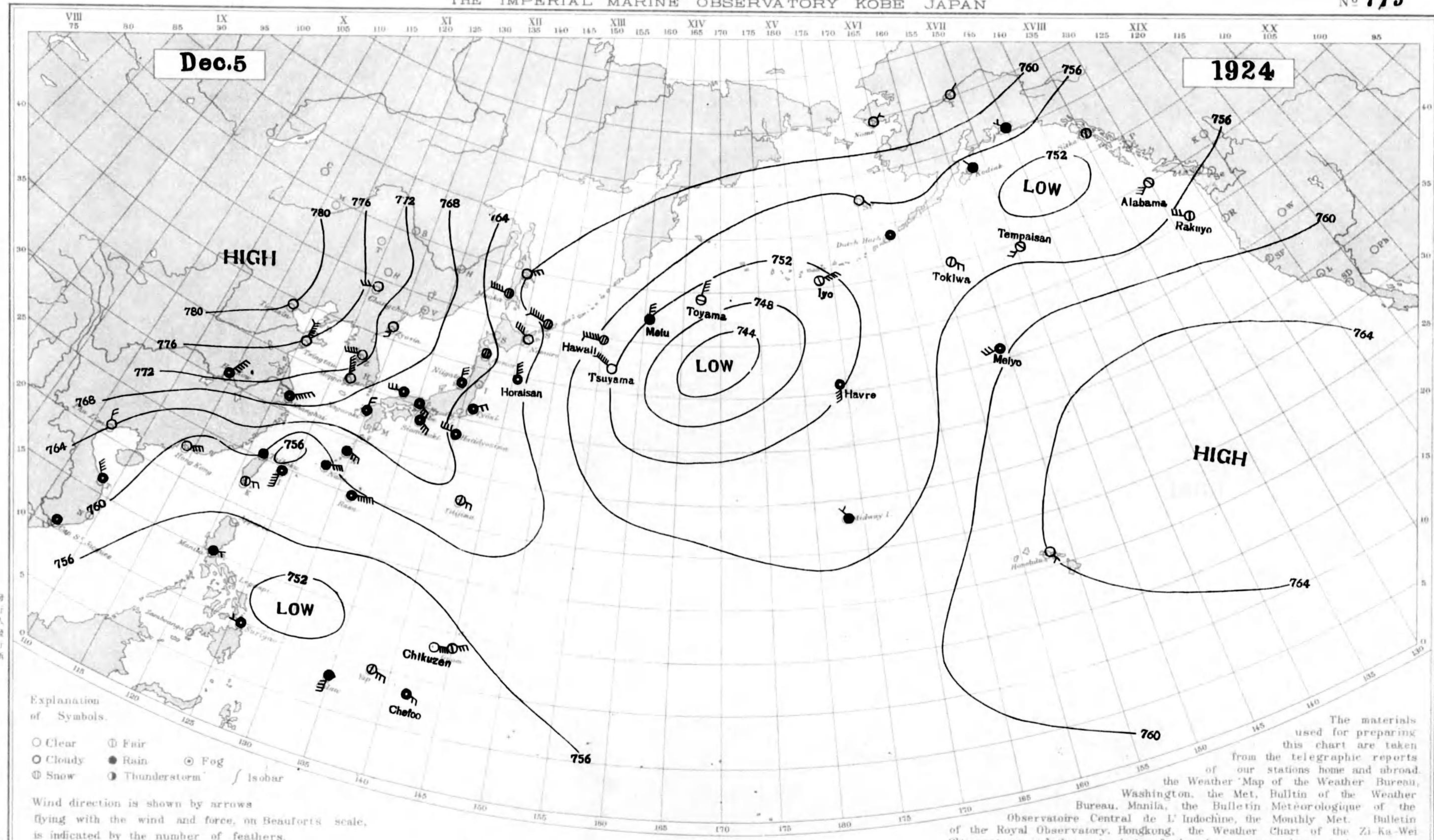
The materials used for preparing this chart are taken from the telegraphic reports of our stations home and abroad, the Weather Map of the Weather Bureau, Washington, the Met. Bulletin of the Weather Bureau, Manila, the Bulletin Meteorologique of the Observatoire Central de L'Indochine, the Monthly Met. 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	Naha	Nagasaki	Siem saiki	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 Sudd. Gr.)	762.1	764.8	770.4	768.3	769.9	766.0	765.3	764.3	770.2	768.2	760.7	762.4	771.9	771.4	776.3	775.9	774.8
Air Temperature (in C)	21.5	21.4	14.0	16.0	13.2	13.7	17.3	21.4	8.3	4.6	3.1	- 6.1	11.2	4.5	- 0.4	0.5	7.3
Direction and Force of Winds (0-12)	ESE 5	E 6	ENE 3	SW 3	N 2	NNE 4	NNW 3	N 2	NNW 3	W 5	NNW 5	W 6	N 3	E 3	NNW 4	NNW 2	N 5
Weather	rain	cloudy	cloudy	cloudy	fair	clear	fair	cloudy	cloudy	fair	cloudy	snow	clear	clear	clear	cloudy	cloudy
Station	Shanghai	Hankow	Rasa	Palau	Hongkong	Manila	Surigao	Guam	Yap	Phu-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 Sudd. Gr.)	769.5	769.7	762.9	754.4	760.1	757.9	757.3	757.3	756.4	765.2	762.1	763.5	753.9	762.0	747.8	-	740.1
Air Temperature (in C)	16.5	11.1	23.9	27.6	20.	30.	25.	-	-	22.	26.	23.	19.	- 4.	8.	-	1.
Direction and Force of Winds (0-12)	ENE 4	NNW 2	E 7	SSE 3	N 4	W 2	ENE 2	ENE 3	E 3	calm	ENE 4	E 1	NW 2	-	E -	-	-
Weather	fair	clear	cloudy	cloudy	cloudy	clear	rain	rain	fair	clear	cloudy	clear	rain	clear	cloudy	-	SNOW

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

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

No. 775



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.

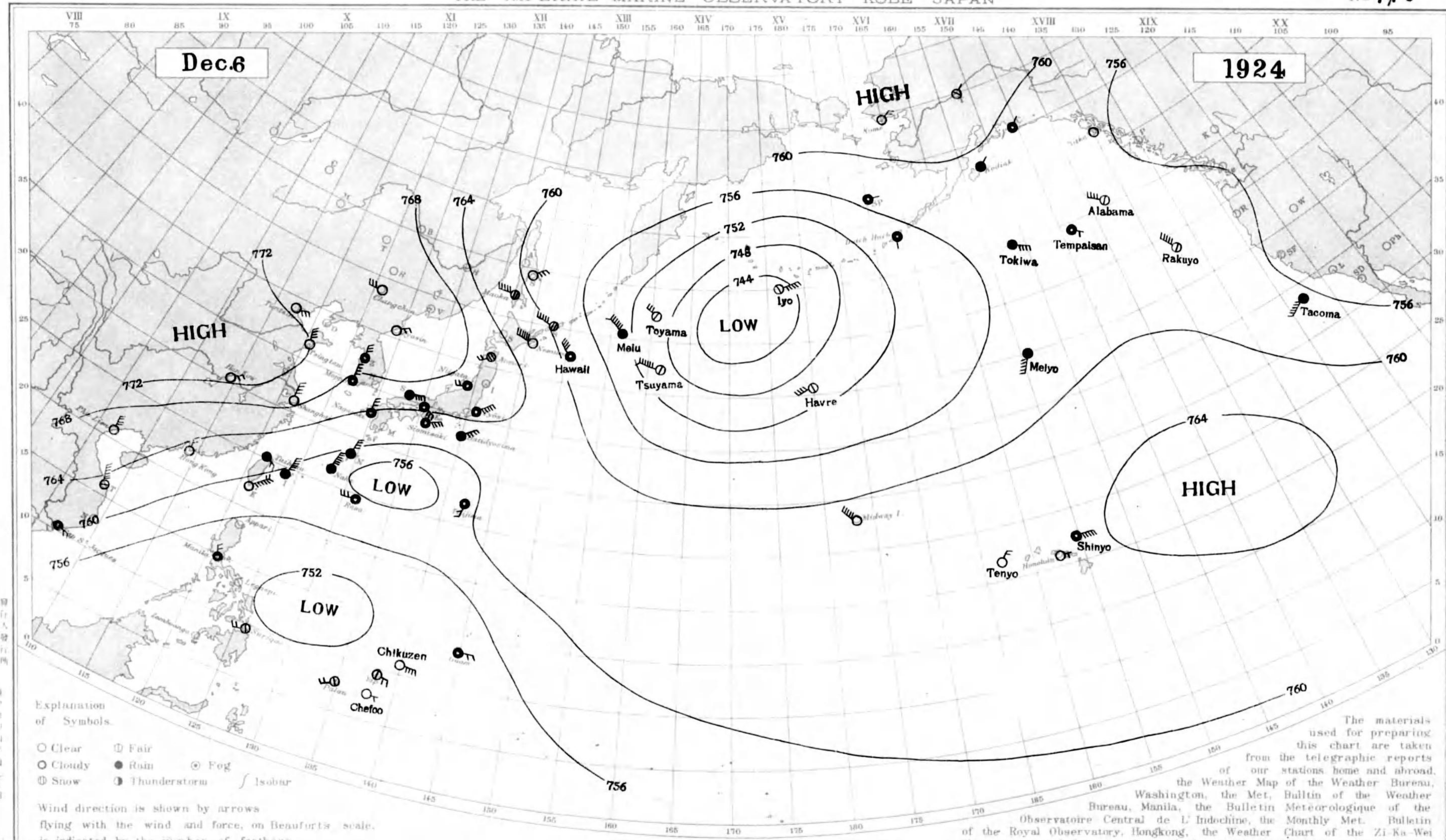
Station	Taihoku	Naha	Nagasaki	Siomasaki	Kobe	Tyosi	Hatidyosuna	Titizima	Niigata	Aomori	Nemuro	Maoka	Moppo	Zyosin	Changchun	Tientsin	Tsingtau
Hour of Observation	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	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 Bird Gr.)	760.2	759.3	767.2	764.9	766.3	762.9	763.0	763.0	764.6	765.2	762.2	760.9	770.3	770.9	775.8	779.8	776.0
Air Temperature (in C)	19.8	21.2	11.9	14.6	11.9	13.2	18.0	23.4	7.1	-0.6	-1.2	-7.6	8.6	8.6	-10.3	0.	0.2
Direction and Force of Winds (0-12)	calm	ESE 4	N 2	SE 3	SE 2	NE 2	W 4	E 2	N 3	calm	NW 4	W 5	NNW 6	SSW 2	WSW 3	calm	NNE 7
Weather	rain	rain	cloudy	cloudy	cloudy	cloudy	cloudy	fair	cloudy	snow	fair	snow	fair	clear	clear	clear	clear
Station	Shanghai	Hankow	Rass	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 Bird Gr.)	768.8	773.2	759.7	754.6	759.5	756.8	754.5	756.7	755.6	765.8	761.8	764.0	754.9	761.0	753.9	753.9	753.4
Air Temperature (in C)	11.6	9.8	24.3	25.3	18.	25.	27.	-	-	23.	25.	24.	18.	-12.	6.	0.	4.
Direction and Force of Winds (0-12)	NE 6	NNE 5	E 6	S 4	ENE 4	ENE 1	W 1	ENE 4	ESE 3	NNW 2	calm	SE 1	NW 1	NE 1	calm	calm	NW -
Weather	cloudy	cloudy	cloudy	rain	clear	rain	cloudy	fair	fair	clear	cloudy	clear	rain	clear	fair	cloudy	rain

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

0
No 776



Explanation of Symbols.

- Clear
- ☁ Cloudy
- ☂ Rain
- ☉ Fog
- ⚡ Thunderstorm
- Isobar
- Fair
- ☁ Rain
- ☉ Fog
- ⚡ 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 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	Tahoku 12 ^h , 135 E	Naha 12 ^h , 135 E	Nagasaki 12 ^h , 135 E	Simsaki 12 ^h , 135 E	Kobe 12 ^h , 135 E	Tyosi 12 ^h , 135 E	Hattiyosima 12 ^h , 135 E	Titizima 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
Hour of Observation																	
Atm. Pressure (Red to m.s.l. and Std Gr.)	764.9	756.8	763.9	763.4	765.0	765.7	762.7	759.6	767.6	766.2	762.8	761.0	767.1	768.9	769.6	771.7	772.0
Air Temperature (in C)	16.2	19.8	11.1	11.2	9.3	9.0	12.6	23.1	3.4	-0.5	-1.7	-8.6	6.5	2.0	-7.4	1.9	-0.1
Direction and Force of Winds (0-12)	ESE 2	NNE 6	N 3	ENE 4	SE 3	NE 5	NE 5	SSW 2	WSW 2	SW 2	WNW 6	WNW 5	N 4	NE 2	W 3	E 3	N 4
Weather	rain	rain	cloudy	cloudy	cloudy	cloudy	rain	cloudy	cloudy	snow	clear	snow	cloudy	clear	clear	clear	clear

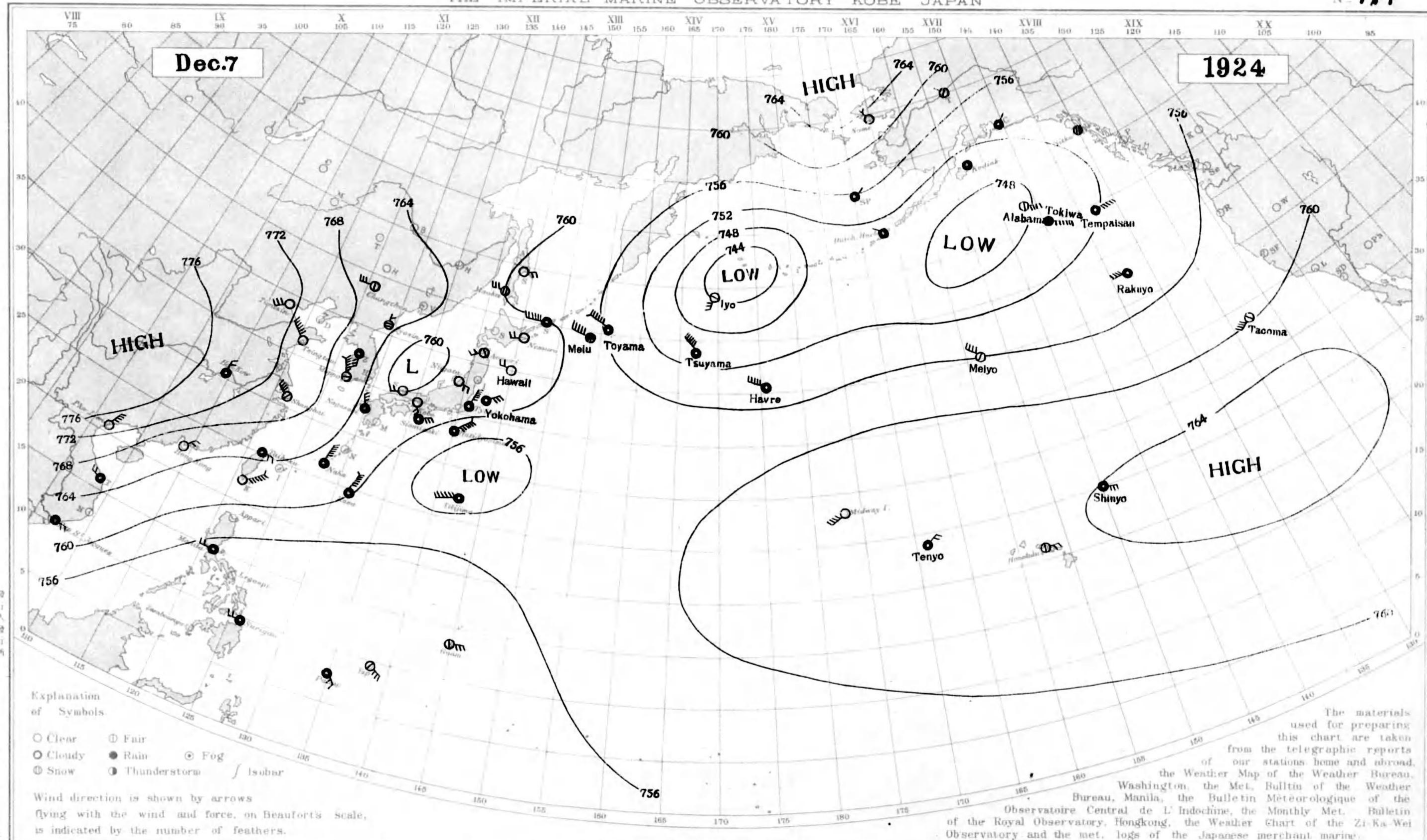
Station	Shanghai 12 ^h , 135 E	Hankow 12 ^h , 135 E	Rasa 12 ^h , 135 E	Palau 12 ^h , 135 E	Hongkong 14 ^h	Manila 14 ^h	Surigao 14 ^h	Guam 14 ^h	Yap 14 ^h	Phu-Lien 10 ^h	Cap-S-Jacques 10 ^h	Honolulu 20 ^h	Midway I. 18:30 ^h	Nome 20 ^h , 135 W	Sitka 20 ^h , 135 W	Dutch Harbor 20 ^h , 135 W	Kodiak 20 ^h , 135 W
Hour of Observation																	
Atm. Pressure (Red to m.s.l. and Std Gr.)	770.4	773.9	756.5	754.5	762.5	755.7	754.6	756.7	756.3	768.2	761.9	763.0	762.5	762.0	756.9	753.4	759.5
Air Temperature (in C)	8.5	9.0	27.0	30.0	20.	28.	28.	28.	-	19.	24.	23.	20.	-10.	-1.	2.	3.
Direction and Force of Winds (0-12)	N 4	NE 2	W 3	SW 2	N 2	NNW 2	WSW 2	E 2	ESE 2	N 4	E 2	E 1	NW 5	NE 2	calm	S -	NE -
Weather	clear	clear	cloudy	fair	clear	cloudy	fair	cloudy	fair	clear	cloudy	clear	clear	clear	clear	cloudy	rain

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 777



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.

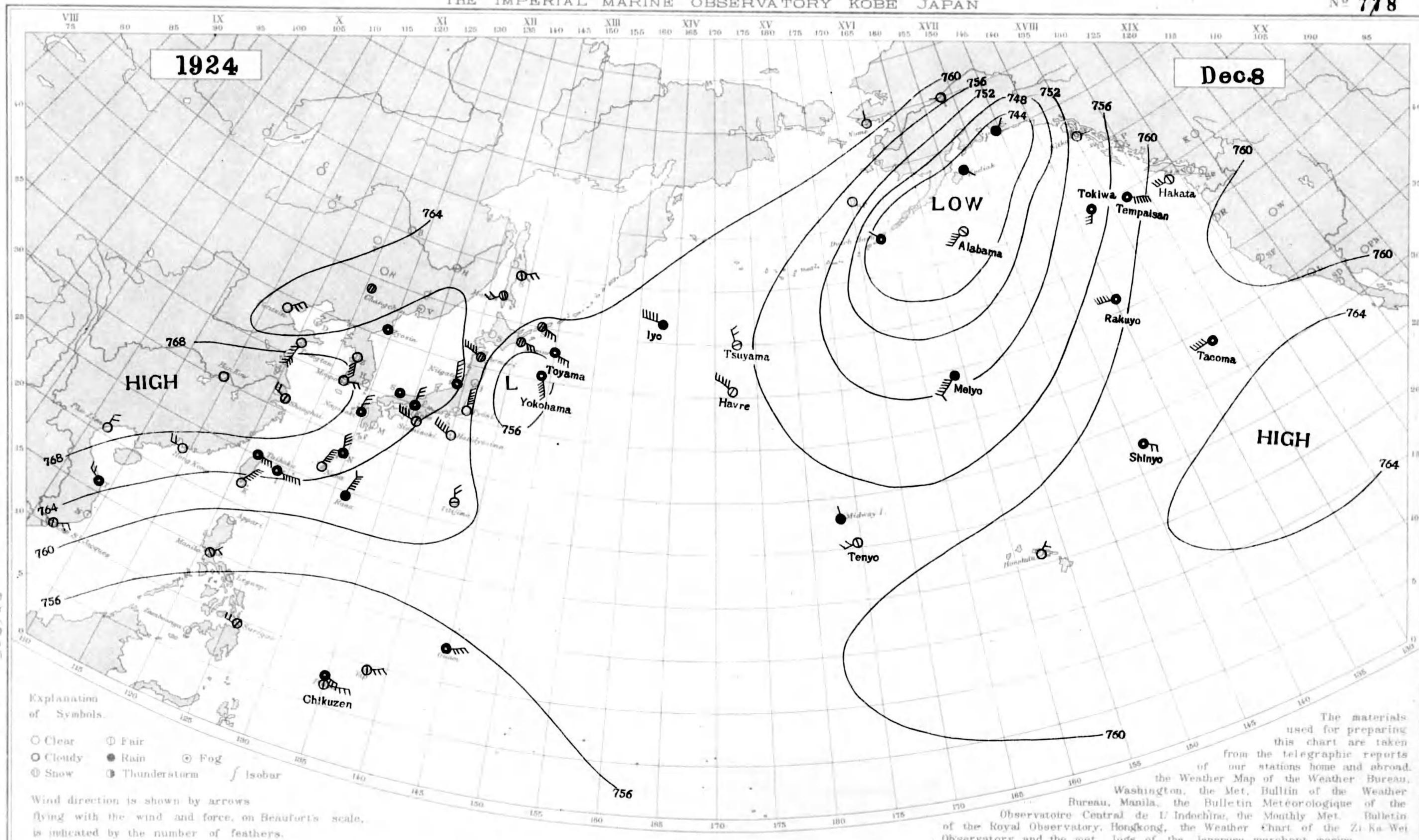
Station	Taihoku	Naha	Nagasaki	Siomtsaki	Kobe	Tyosi	Hatidyosima	Titi zima	Niigata	Aomori	Nemuro	Maoka	Moppo	Zyosin	Changchun	Tientsin	Tsingtau
Hour of Observation	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	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 32nd Gr.)	766.6	762.6	763.5	760.6	760.4	760.5	757.1	754.7	761.1	762.1	760.9	760.0	765.6	764.0	767.3	772.7	770.3
Air Temperature (in C)	18.2	15.0	9.8	10.9	10.5	8.4	14.9	25.0	7.4	5.0	-0.4	-7.4	7.8	-1.2	-7.1	2.4	3.1
Direction and Force of Winds (0-12)	E 2	NNE 6	NNW 3	ENE 3	SSE 2	NNE 6	NE 7	WSW 6	ESE 2	SW 2	WSW 2	W 3	NNW 7	N 1	W 3	SW 3	WN 7
Weather	cloudy	cloudy	cloudy	cloudy	clear	cloudy	cloudy	cloudy	clear	fair	clear	snow	fair	snow	fair	clear	clear
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	10 : 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 32nd Gr.)	770.8	774.4	760.1	754.7	765.5	757.1	755.9	757.3	756.6	777.0	763.4	762.0	763.0	763.5	754.4	749.3	749.3
Air Temperature (in C)	9.2	11.5	22.5	30.1	18.	26.	26.	-	-	19.	24.	23.	21.	-16.	0.	2.	2.
Direction and Force of Winds (0-12)	NW 4	N 2	NNE 7	SE 2	NE 2	W 2	W 2	E 3	ESE 3	NNE 4	E 2	E 2	SW 4	NW 1	E -	NW -	calm
Weather	fair	cloudy	cloudy	cloudy	clear	cloudy	cloudy	fair	fair	clear	cloudy	fair	clear	clear	snow	cloudy	cloudy

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 778



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.

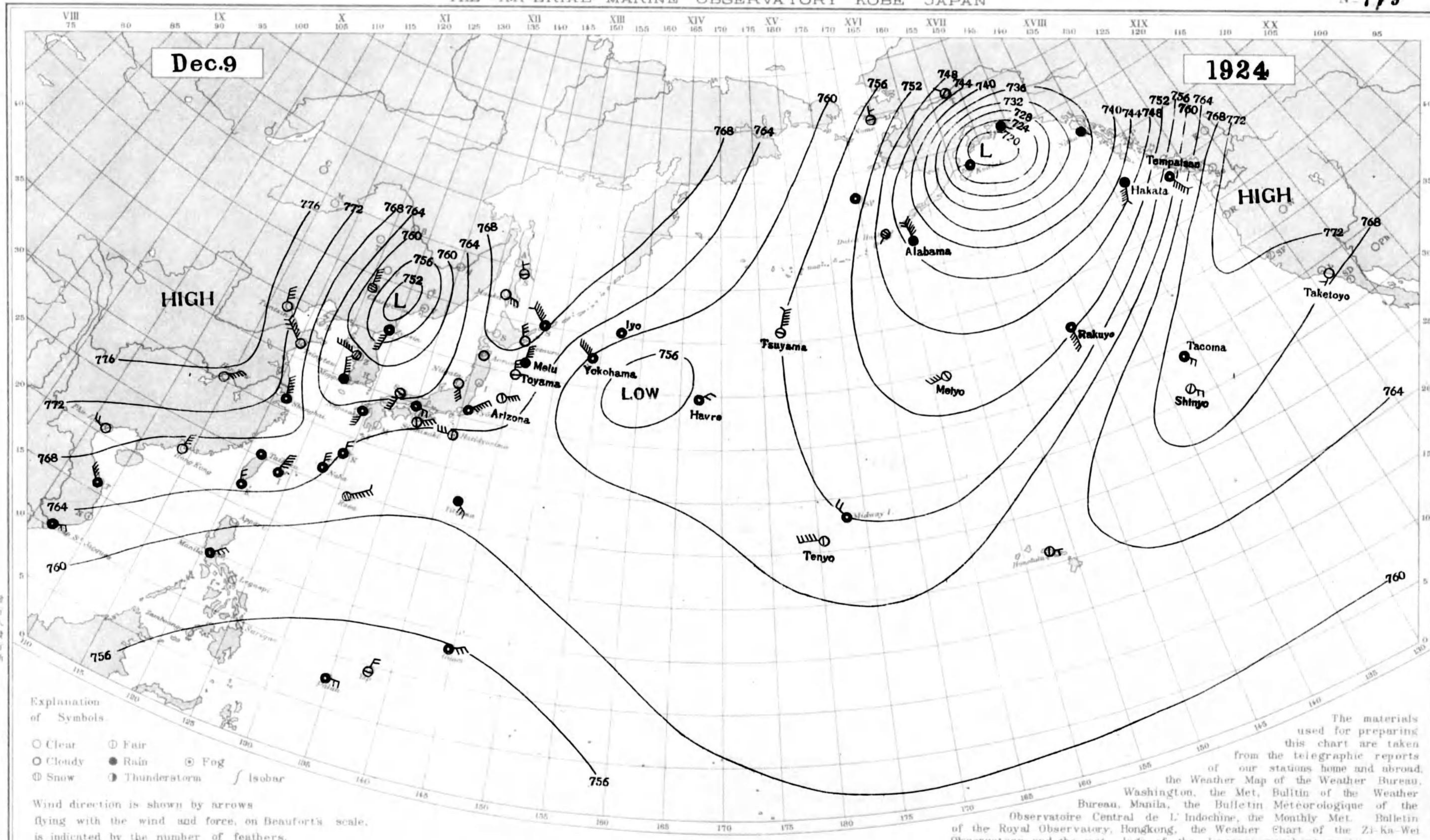
Station	Taihoku 12° 135 E	Naha 12° 135 E	Nagasaki 12° 135 E	Siomisaki 12° 135 E	Kobe 12° 135 E	Tyosai 12° 135 E	Hatidyosima 12° 135 E	Titizima 12° 135 E	Niigata 12° 135 E	Aomori 12° 135 E	Nemuro 12° 135 E	Maoka 12° 135 E	Moppo 12° 135 E	Zyosin 12° 135 E	Changchun 12° 135 E	Tientsin 12° 135 E	Tsingtau 12° 135 E
Hour of Observation																	
Atm. Pressure (* not reduced to Sea Gr.)	768.8	764.6	767.4	764.0	765.3	760.4	761.0	760.4	764.5	762.7	756.7	762.2	768.1	765.3	761.3	762.2	764.3
Air Temperature (in C)	16.4	18.9	8.9	12.4	9.3	10.6	15.1	22.5	5.4	0.9	0.4	-5.2	8.2	0.3	-6.1	2.2	6.5
Direction and Force of Winds (0-12)	E 4	NNE 6	N 3	WNW 4	N 3	N 6	WNW 5	NNW 2	NNW 5	WNW 6	E 3	SW 2	E 2	calm	-	NE 3	SSW 9
Weather	cloudy	clear	cloudy	fair	cloudy	clear	clear	fair	cloudy	snow	snow	snow	clear	cloudy	snow	clear	clear
Station	Shanghai 12° 135 E	Hankow 12° 135 E	Rusa 12° 135 E	Palau 12° 135 E	Hongkong 14°	Manila 14°	Surigao 14°	Guam 14°	Yap 14°	Phu-Lien 10°	Cap-S-Jacques 10°	Honolulu 20°	Midway I. 18° 30°	Nome 20° 135 W	Sika 20° 135 W	Dutch Harbor 20° 135 W	Rodisk 20° 135 W
Hour of Observation																	
Atm. Pressure (* not reduced to Sea Gr.)	770.5	771.6	762.0	755.1	766.4	758.0	755.6	757.2	756.8	770.7	763.3	762.0	758.4	762.0	752.3	741.2	744.7
Air Temperature (in C)	8.4	10.6	20.6	29.8	18.	29.	23.	-	-	18.	25.	22.	19.	-19.	4.	1.	3.
Direction and Force of Winds (0-12)	WNW 2	- 1	NNE 7	ESE 3	W 2	NE 1	W 2	ENE 4	ENE 3	N 2	ENE 2	NE 1	N 1	N 1	z -	NW -	SE -
Weather	fair	clear	rain	cloudy	clear	fair	fair	cloudy	fair	clear	fair	clear	rain	clear	clear	cloudy	rain

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No. 779



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	Naha	Nagasaki	Siumasaki	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 Sred Gr.)	766.9	764.1	764.2	764.2	764.6	766.2	763.4	762.1	765.4	766.3	769.3	768.8	762.2	753.4	759.2	773.7	771.8
Air Temperature (in C)	17.4	20.4	12.5	12.4	9.6	9.0	17.3	18.9	7.5	6.2	0.9	-1.5	5.1	2.4	-14.3	-4.5	-5.6
Direction and Force of Winds (0-12)	calm	N 3	SSW 4	ENE 4	ESE 2	NE 6	W 3	SE 3	SSE 4	calm	NW 3	ESE 3	NNW 6	SSW 6	N 5	NNW 4	NW 9
Weather	cloudy	cloudy	cloudy	fair	cloudy	cloudy	fair	rain	clear	clear	clear	clear	rain	cloudy	snow	clear	clear

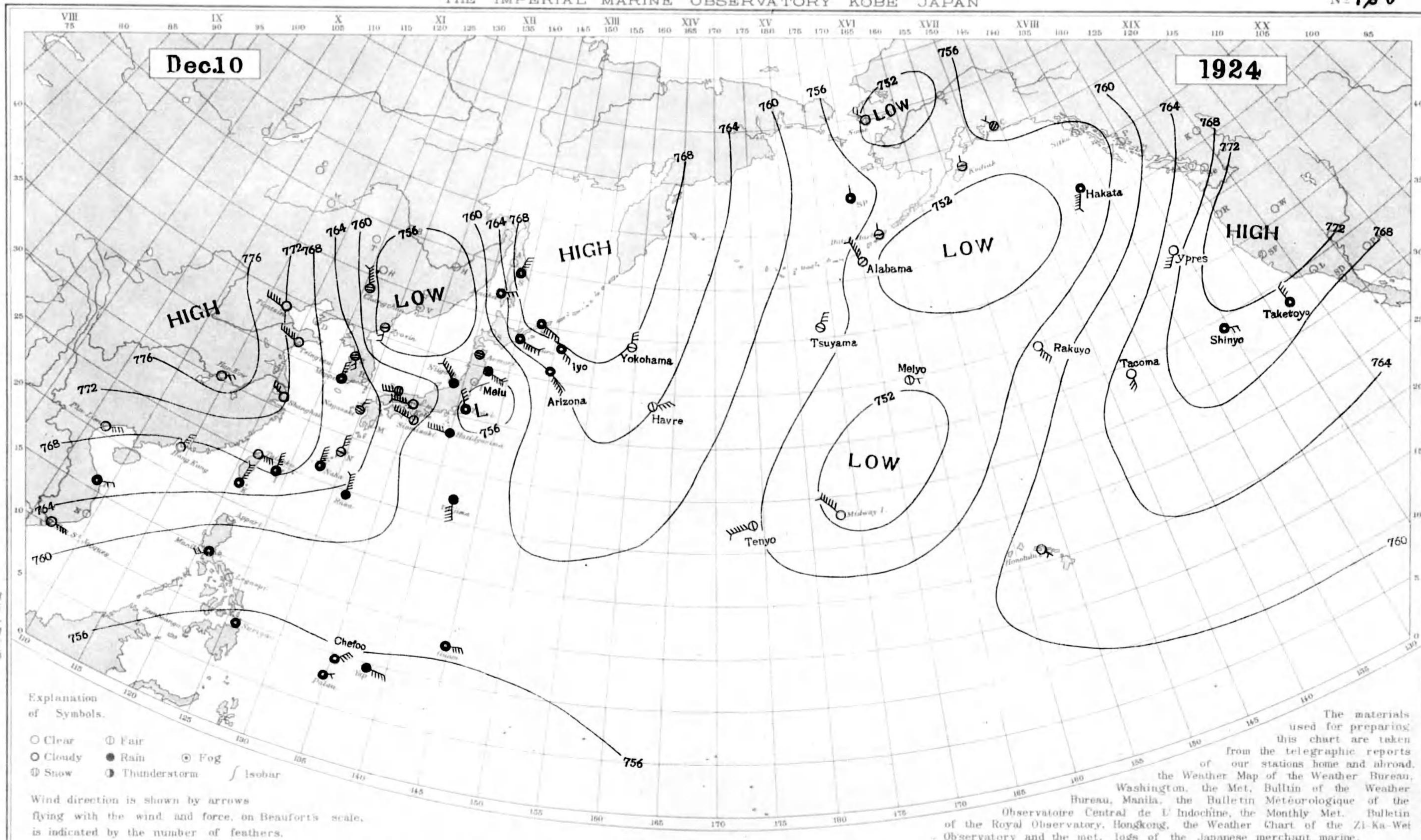
Station	Shanghai	Hankow	Rasa	Palau	Hongkong	Manila	Surigao	Guam	Yap	Phu Lien	Cap St Jacques	Honolulu	Midway I.	Nome	Sitka	Dutch Harbor	Kodiak
Hour of Observation	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	14 ^h	14 ^h	14 ^h	14 ^h	14 ^h	10 ^h	10 ^h	20 ^h	18 : 30 ^h	20 ^h , 135 W	20 ^h , 135 W	20 ^h , 135 W	20 ^h , 135 W
Atm. Pressure (Red to m.s.l. and Sred Gr.)	769.7	775.3	761.6	755.4	766.4	758.5	-	757.4	757.4	770.8	763.8	762.0	755.9	753.4	733.0	745.7	721.9
Air Temperature (in C)	7.0	3.7	19.7	28.1	18.	28.	-	-	-	20.	24.	22.	19.	-23.	6.	-1.	1.
Direction and Force of Winds (0-12)	NNW 6	NE 5	NE 7	E 2	NNE 4	NE 3	-	-	-	ESE 3	NNE 2	E 1	NW 2	N 1	SE -	SW -	W -
Weather	cloudy	clear	snow	cloudy	clear	cloudy	-	cloudy	fair	clear	cloudy	fair	cloudy	fair	rain	snow	cloudy

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

1
No 780

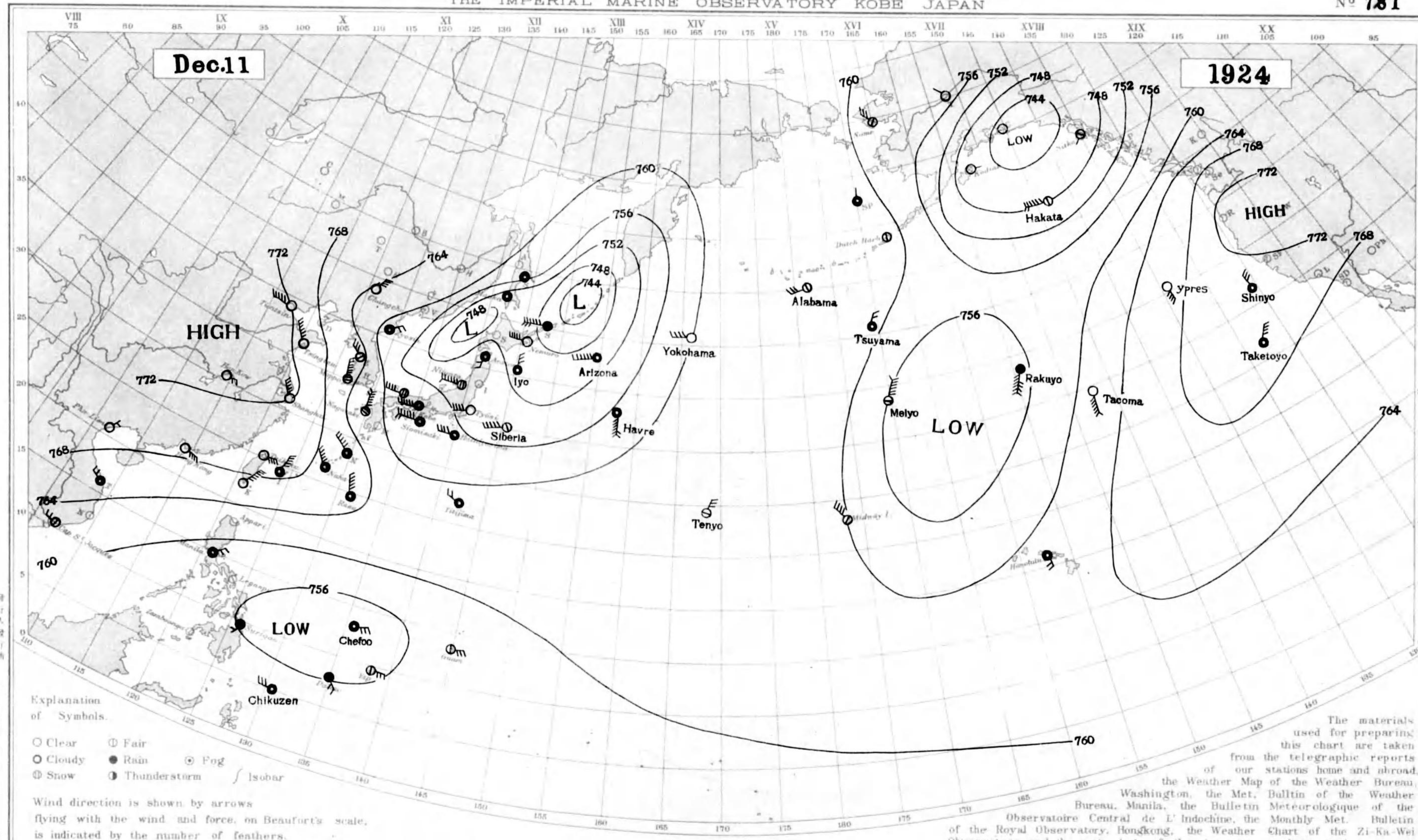


Station	Taihoku	Naha	Nagasaki	Siomi saki	Kobe	Tyosi	Hatidyosima	Titizima	Niigata	Aomori	Nemuro	Maoka	Moppo	Zyosin	Changchun	Tientsin	Tsingtau
Hour of Observation	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	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. * not reduced to Std. Gr.)	770.1	766.8	766.2	760.5	762.4	755.2	757.8	753.4	758.8	756.7	765.5	763.0	765.4	755.6	759.9	772.0	770.7
Air Temperature (in C)	16.6	14.9	3.6	7.6	4.7	7.6	12.8	22.9	5.4	1.4	2.5	0.8	2.9	-3.3	-15.4	-3.0	-3.0
Direction and Force of Winds (0-12)	E 4	N 6	NNE 2	WNW 6	N 7	NNW 4	W 6	SSE 5	NW 7	S 3	ESE 7	ESE 4	N 4	S 2	NNW 7	W 5	WNW 6
Weather	clear	cloudy	snow	fair	clear	cloudy	rain	rain	rain	snow	cloudy	cloudy	cloudy	fair	snow	clear	clear
Station	Shanghai	Hankow	Rusa	Palau	Hongkong	Manila	Surigao	Guam	Yap	Phu-Lien	Cap-S-Jacques	Honolulu	Midway I.	Nome	Stika	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.)	772.8	776.2	763.3	755.5	767.5	758.9	756.8	757.6	756.5	770.6	763.6	760.5	749.8	751.8	-	752.8	752.8
Air Temperature (in C)	1.9	5.0	18.5	24.7	13.	29.	26.	-	-	20.	24.	23.	21.	-23.	-	-6.	22.
Direction and Force of Winds (0-12)	WNW 3	ENE 2	N 7	ENE 1	NNE 4	SW 2	calm	E 4	E 5	ENE 4	E 4	SE 1	NW 7	NW 2	-	-	-
Weather	clear	clear	rain	cloudy	clear	cloudy	cloudy	cloudy	rain	clear	clear	clear	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

1
No 781

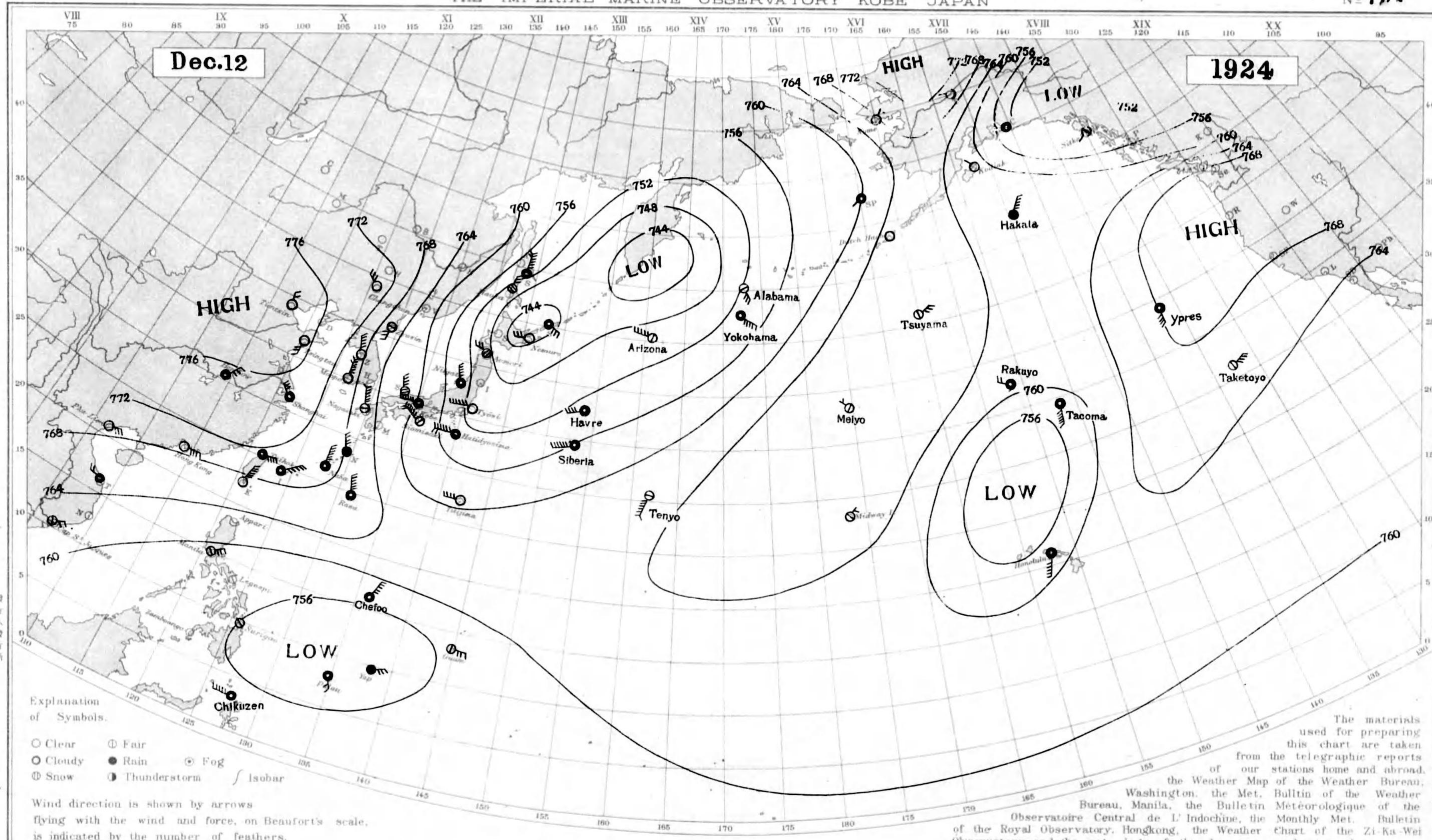


Station	Taihoku	Naha	Nagasaki	Siomasaki	Kobe	Tyosi	Hatidyosima	Titizima	Niigata	Aomori	Nenuro	Maoka	Moppo	Zyosin	Changchun	Tientsin	Tsingtau
Hour of Observation	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	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 sea l and Sudd Gr.)	770.3	767.4	762.3	757.7	758.4	753.8	757.2	761.5	754.3	752.4	750.3	758.0	764.1	758.6	762.0	772.0	770.3
Air Temperature (in C)	15.7	16.3	4.7	10.5	5.4	10.2	11.0	18.9	1.9	0.6	4.0	0.8	0.8	-6.1	-0.5	-2.4	-3.4
Direction and Force of Winds (0-12)	E 4	NW 5	N 8	W 3	W 6	WSW 5	W 4	WNW 2	W 7	SSW 2	W 5	ESE 3	NNW 6	NE 2	NNE 4	W 5	NW 7
Weather	clear	cloudy	snow	cloudy	cloudy	clear	cloudy	cloudy	snow	cloudy	clear	cloudy	snow	cloudy	clear	lear	clear
Station	Shanghai	Hankow	Rusa	Palau	Hongkong	Manila	Surigao	Guam	Yap	Phu-Lien	Cap-S-Jacques	Honolulu	Midway I.	Nome	Sitka	Dutch Harbor	Kodak
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 sea l and Sudd Gr.)	772.0	773.7	764.8	756.0	768.2	760.8	757.4	758.0	757.0	770.3	764.1	760.5	760.0	757.4	746.8	760.5	746.8
Air Temperature (in C)	5.3	7.0	18.4	24.8	18.	25.	24.	-	-	19.	23.	24.	16.	-20.	1.	-7.	-13.
Direction and Force of Winds (0-12)	NW 5	E 2	NNW 5	SE 2	ESE 4	NE 2	SSW 1	E 3	E 3	NNE 1	W 2	S 2	NW 4	-20.	SW -	-7.	-13.
Weather	clear	clear	cloudy	rain	clear	cloudy	rain	fair	fair	clear	fair	cloudy	fair	fair	fair	calm	clear

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

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

1
No 782



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.

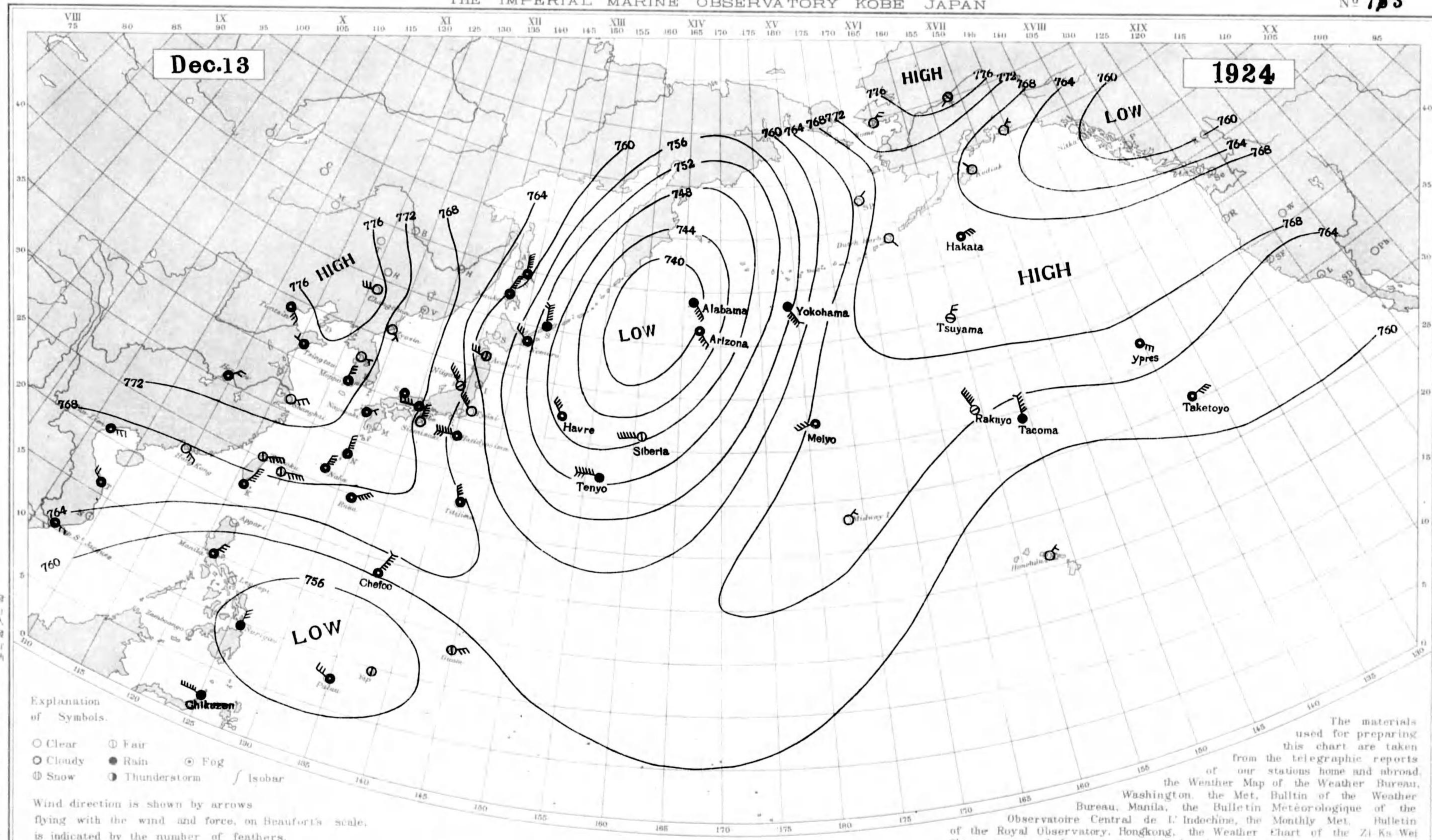
Station	Taihoku	Naha	Nagasaki	Simsaki	Kobe	Tyosi	Hatidyosima	Titi zima	Niigata	Aomori	Nemuro	Maoka	Moppo	Zyosin	Changchun	Tientsin	Tsingtau
Hour of Observation	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^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 Std. Gr.)	771.1	768.3	766.1	758.7	760.0	751.1	755.0	759.5	752.9	748.7	743.3	749.4	770.3	764.6	774.0	776.3	776.6
Air Temperature (in C)	14.1	15.3	4.6	3.8	3.1	6.9	8.0	21.3	4.0	0.6	3.5	-1.4	2.0	10.0	-13.9	-0.6	-1.7
Direction and Force of Winds (0-12)	E 4	N 6	NNW 7	NW 3	W 6	W 6	W 3	W 4	NNW 5	WNW 3	WSW 3	NNE 6	N 8	S 3	NW 3	N 2	S 3
Weather	cloudy	cloudy	fair	fair	cloudy	clear	cloudy	clear	cloudy	snow	clear	snow	clear	fair	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 ^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.)	775.2	774.3	766.0	755.5	768.2	*760.6	* -	*757.9	*757.0	*769.6	*763.3	756.9	766.6	768.0	754.9	-	761.0
Air Temperature (in C)	5.7	5.8	18.5	27.0	17.	29.	-	-	-	19.	26.	24.	17.	-27.	-2.	-	-8.
Direction and Force of Winds (0-12)	NW 3	NE 3	NNW 6	SSE 2	E 4	NE 3	-	E 3	ENE 3	ENE 3	ENE 2	S 5	NE 1	NE 1	SW -	-	SW -
Weather	cloudy	cloudy	cloudy	cloudy	clear	fair	-	fair	rain	clear	fair	cloudy	fair	clear	fair	-	clear

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 783



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.

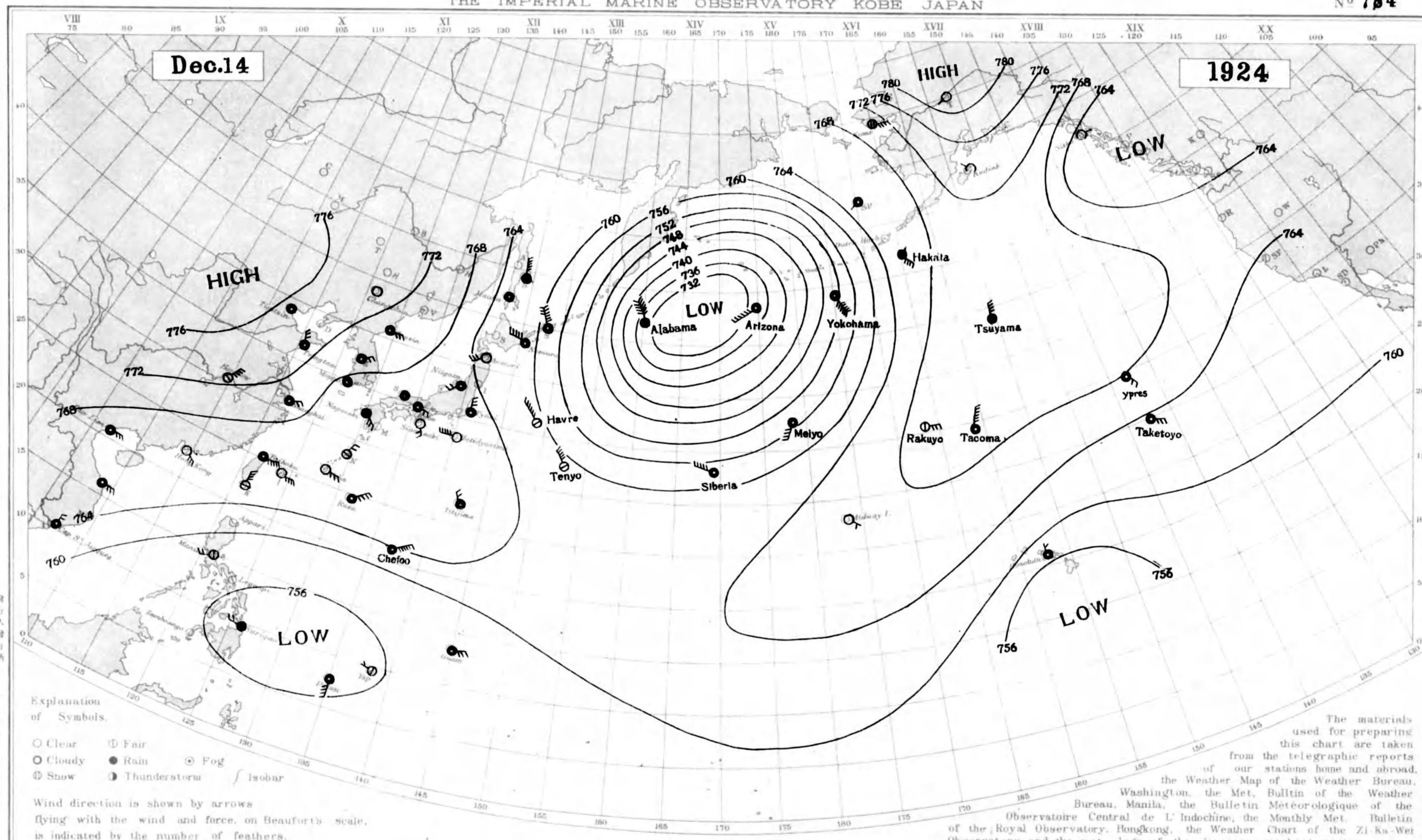
Station	Taihoku	Naha	Nagasaki	Siomusaki	Kobe	Tyosi	Hatidyosima	Titizima	Niigata	Aomori	Nemuro	Maoka	Moppo	Zyosin	Changchun	Tientsin	Tsingtau
Hour of Observation	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	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.)	769.4	769.3	771.4	767.0	768.8	761.9	763.7	764.3	764.1	759.3	752.3	759.8	772.7	770.2	779.3	775.2	775.4
Air Temperature (in C)	18.7	16.6	6.9	9.7	7.5	9.0	10.0	16.9	6.4	7.1	1.7	-1.1	5.0	0.4	-13.9	-0.8	0.4
Direction and Force of Winds (0-12)	ENE 5	NNE 4	NE 1	NNW 5	NNW 4	NW 5	W 9	NNW 4	NW 5	WNW 3	NW 8	NNE 6	N 3	SE 1	W 3	SE 2	WNW 1
Weather	fair	cloudy	cloudy	clear	cloudy	clear	cloudy	cloudy	fair	fair	cloudy	cloudy	cloudy	clear	clear	cloudy	cloudy
Station	Shanghai	Hankow	Rasa	Palau	Hongkong	Manila	Surigao	Gura	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	773.2	766.8	755.3	767.9	760.9	756.7	758.2	756.0	768.9	764.1	758.9	766.6	773.2	-	769.1	767.5
Air Temperature (in C)	9.3	5.9	19.0	28.1	17.	26.	24.	-	-	19.	26.	20.	16.	-23.	-	-1.	-7.
Direction and Force of Winds (0-12)	ENE 3	NE 2	NE 5	WNW 3	ESE 4	NNE 3	N 3	ENE 3	calm	ESE 3	E 2	NE 1	NE 1	NE 2	-	SE	NW
Weather	clear	cloudy	cloudy	cloudy	clear	cloudy	rain	fair	fair	cloudy	cloudy	clear	clear	clear	-	clear	clear

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

1
No 784



Explanation of Symbols.

- Clear
- ⊙ Fair
- ☁ 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 Zi Ka Wei Observatory and the met. logs of the Japanese merchant marine.

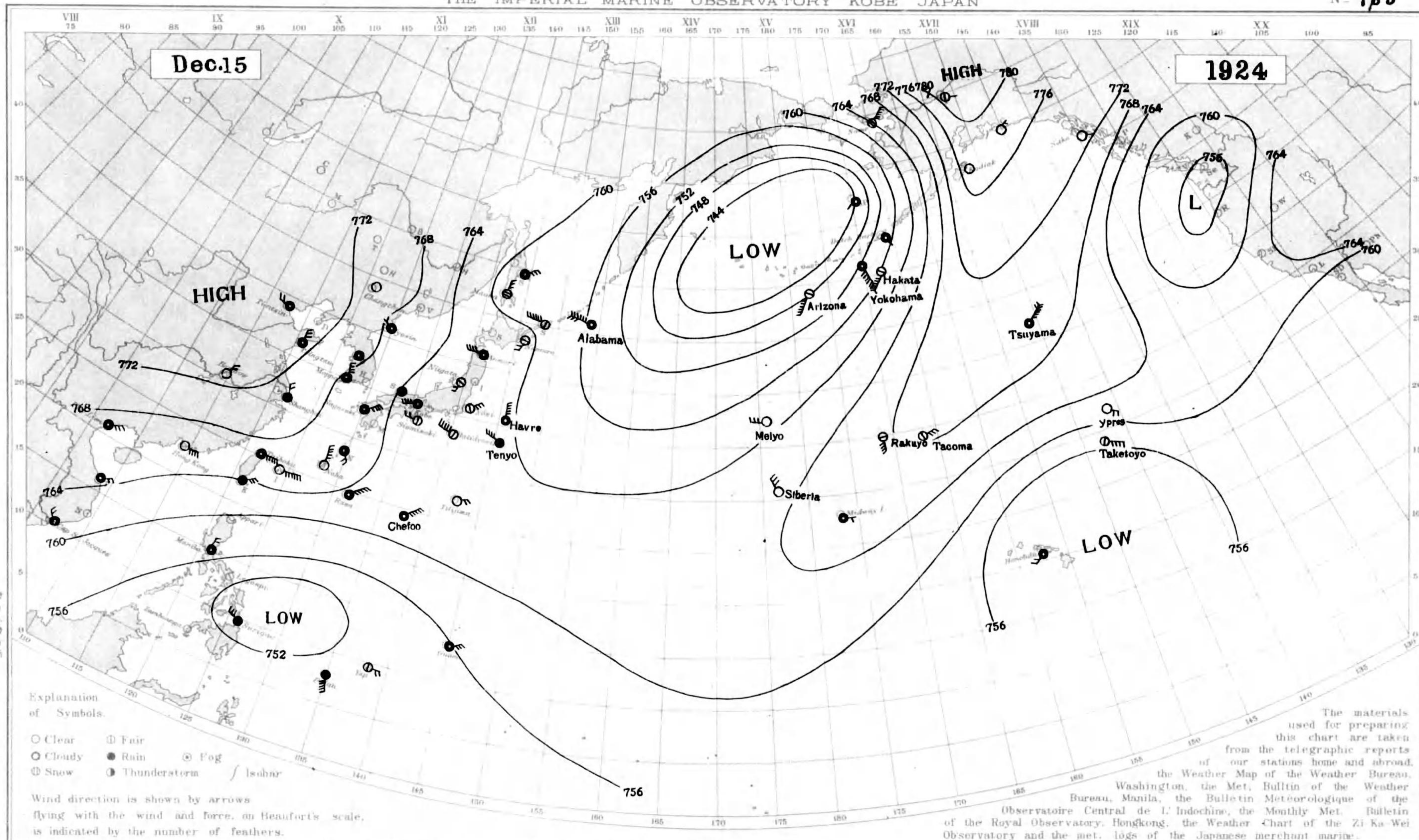
Station	Tsuhoku	Naha	Nagasaki	Siemtsaki	Kobe	Tyosi	Hatidyosima	Titi zima	Niigata	Aomori	Nemuro	Maoka	Moppo	Zyosin	Changchun	Tientsin	Tsingtau
Hour of Observation	12 ^h , 135E	12 ^h , 135E	12 ^h , 135E	12 ^h , 135E	12 ^h , 135E	12 ^h , 135E	12 ^h , 135E	12 ^h , 135E	12 ^h , 135E	12 ^h , 135E	12 ^h , 135E	12 ^h , 135E	12 ^h , 135E	12 ^h , 135E	12 ^h , 135E	12 ^h , 135E	12 ^h , 135E
Atm. Pressure (Red to m.s.l. and Sred Gr.)	766.8	767.2	768.6	766.1	767.1	765.2	765.6	765.4	767.0	763.0	761.8	763.5	776.2	769.4	774.3	775.7	772.9
Air Temperature (in C)	20.4	19.8	8.4	13.3	9.1	8.8	13.2	19.1	3.0	6.0	0.0	-2.0	1.4	-1.0	-13.2	-1.0	2.2
Direction and Force of Winds (0-12)	E 5	E 3	SE 3	SSE 2	ESE 2	N 3	W 5	MNW 2	SW 2	SW 3	WNW 5	calm	calm	E 3	calm	calm	NW 3
Weather	cloudy	clear	rain	clear	cloudy	cloudy	clear	cloudy	clear	clear	cloudy	cloudy	cloudy	cloudy	clear	cloudy	cloudy
Station	Shanghai	Hankow	Rusa	Palau	Hongkong	Manila	Surigao	Guam	Yap	Phu-Lien	Cap-S-Jacques	Honolulu	Midway I.	Nome	Sitka	Dutch Harbor	Kodiak
Hour of Observation	12 ^h , 135E	12 ^h , 135E	12 ^h , 135E	12 ^h , 135E	14 ^h	14 ^h	14 ^h	14 ^h	14 ^h	10 ^h	10 ^h	20 ^h	18 : 30 ^h	20 ^h , 135W	20 ^h , 135W	20 ^h , 135W	20 ^h , 135W
Atm. Pressure (Red to m.s.l. and Sred Gr.)	770.0	773.5	765.6	754.6	766.1	* 759.8	* 755.1	* 756.3	* 757.5	* 768.4	* 765.6	756.9	767.1	768.6	763.0	-	772.7
Air Temperature (in C)	11.0	7.6	21.1	29.4	19.	28.	24.	-	-	20.	24.	20.	18.	-13.	-8.	-	-2.
Direction and Force of Winds (0-12)	ENE 2	NNE 4	NE 4	S 4	ESE 3	WSW 2	W 2	E 3	WNW 1	E 3	N 2	N 1	SE 1	E 3	-	-	NW -
Weather	cloudy	fair	cloudy	cloudy	clear	fair	rain	cloudy	fair	cloudy	cloudy	cloudy	clear	clear	snow	clear	clear

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

1
No 785



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 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	Zyusin	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 500 Gr.)	766.0	765.5	766.7	762.1	763.4	761.1	761.8	763.6	762.8	762.0	760.3	758.1	767.4	767.5	771.3	773.5	772.2
Air Temperature (in C)	13.6	19.9	7.2	14.1	9.6	10.6	14.1	20.3	6.0	3.1	1.9	-4.8	6.6	-1.4	-12.4	-6.5	-0.2
Direction and Force of Winds (0-12)	E 5	N 5	NE 4	W 2	WSW 4	NE 3	WNW 5	ENE 2	SSW 2	W 4	SSW 2	NNE 3	N 4	NW 1	calm	W 2	N 3
Weather	cloudy	clear	cloudy	fair	cloudy	fair	fair	clear	fair	cloudy	fair	snow	cloudy	cloudy	clear	cloudy	cloudy

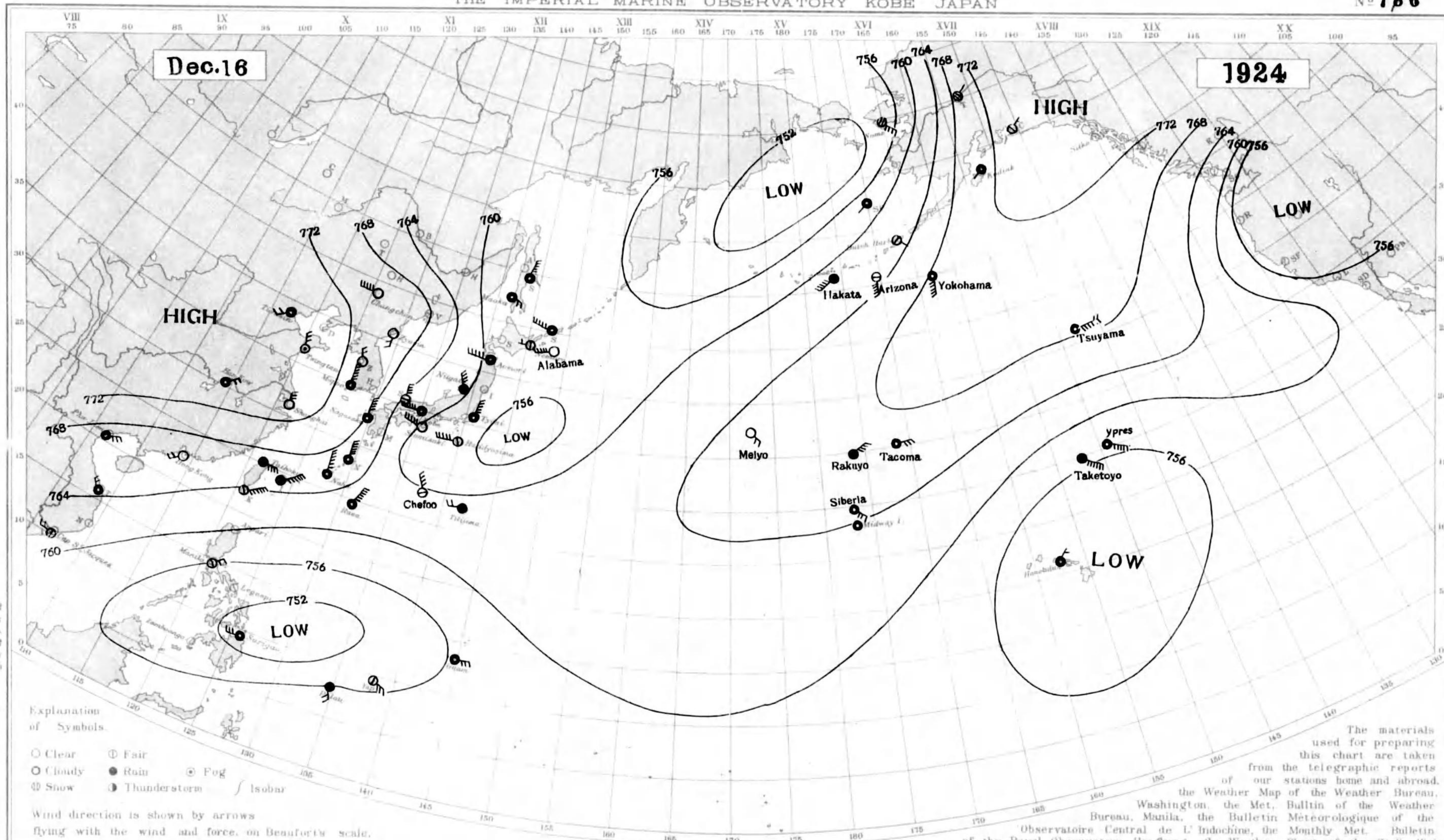
Station	Shanghai	Hankow	Rasa	Palau	Hongkong	Manila	Surigao	Guam	Yap	Phu Lien	Cap ^s Jacques	Honolulu	Midway I.	Nome	Sitka	Dutch Harbor	Kodiak
Hour of Observation	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	14 ^h	1 ^h	14 ^h	14 ^h	14 ^h	10 ^h	10 ^h	20 ^h	18 : 30 ^h	20 ^h , 135 W	20 ^h , 135 W	20 ^h , 135 W	20 ^h , 135 W
Atm. Pressure (Red to m.s.l. and 500 Gr.)	770.4	774.1	763.4	755.6	764.9	758.1	751.9	757.5	757.4	768.2	762.7	754.4	767.1	764.0	772.7	754.4	775.7
Air Temperature (in C)	7.0	7.9	20.7	24.6	20.	28.	24.	-	-	20.	24.	22.	20.	-10.	-13.	6.	-3.
Direction and Force of Winds (0-12)	NNW 2	NNE 2	NE 5	SSE 5	E 4	N 2	WNW 3	ENE 3	E 2	ENE 3	NW 2	SW 2	E 1	NE 6	E -	SF -	calm
Weather	rain	clear	cloudy	rain	clear	cloudy	rain	cloudy	fair	cloudy	cloudy	cloudy	cloudy	cloudy	snow	clear	cloudy

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No. 786



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.

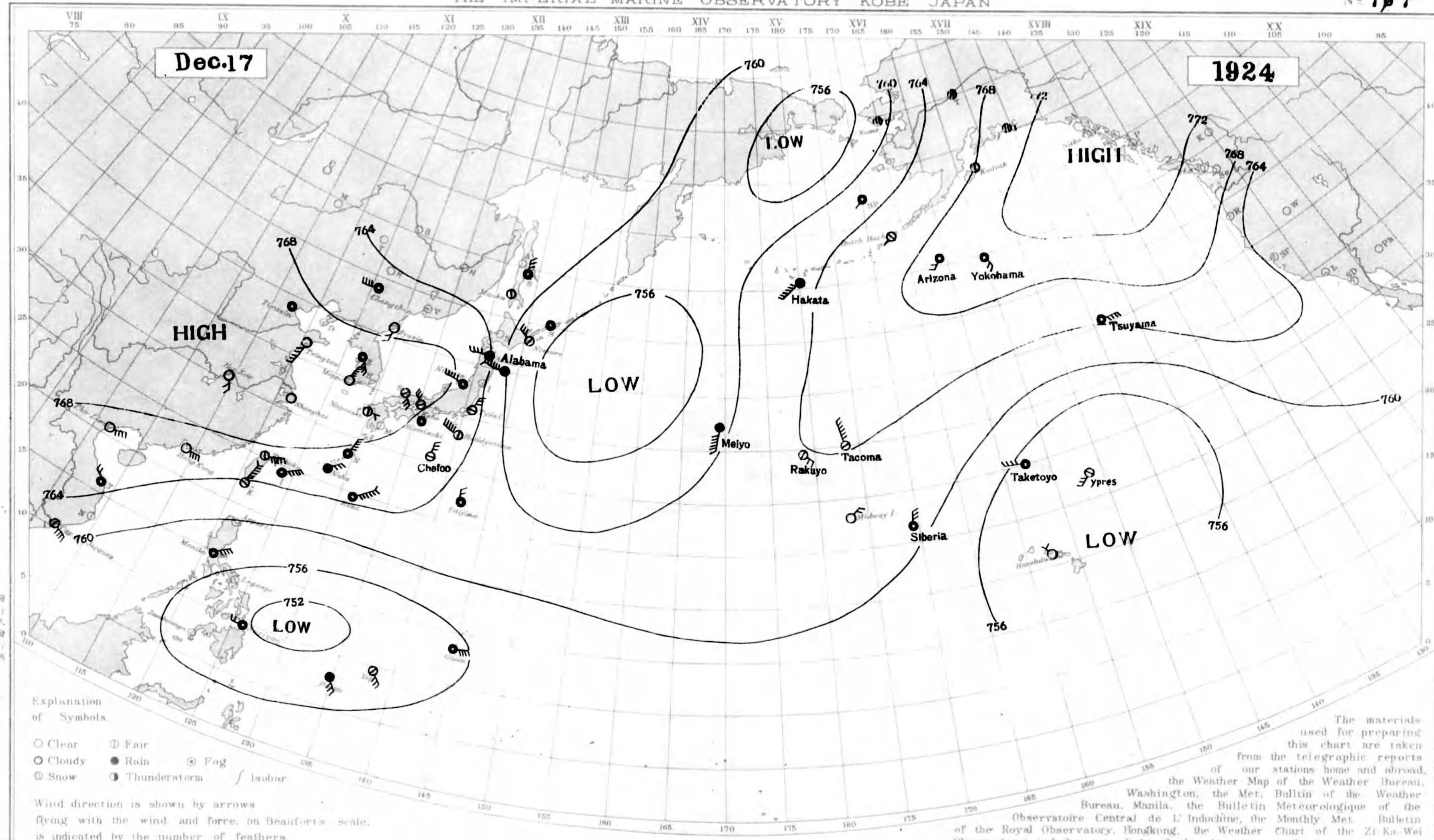
Station	Taihoku 12 ^h , 135 E	Naha 12 ^h , 135 E	Nagasaki 12 ^h , 135 E	Simsaki 12 ^h , 135 E	Kobe 12 ^h , 135 E	Tyosi 12 ^h , 135 E	Hatidyosima 12 ^h , 135 E	Titizima 12 ^h , 135 E	Niigata 12 ^h , 135 E	Aomori 12 ^h , 135 E	Nemuro 12 ^h , 135 E	Maoka 12 ^h , 135 E	Moppo 12 ^h , 135 E	Zyosin 12 ^h , 135 E	Changchun 12 ^h , 135 E	Tientsin 12 ^h , 135 E	Tsingtau 12 ^h , 135 E
Hour of Observation																	
Atm. Pressure (Red to m.s.l. and Std Gr.)	767.6	766.5	767.7	759.9	761.1	758.1	758.6	761.8	761.9	758.0	757.3	757.2	770.3	768.7	770.8	774.1	774.8
Air Temperature (in C)	15.5	17.6	7.0	13.1	9.0	9.4	13.6	16.7	3.6	2.4	1.5	-5.0	3.6	-2.8	-11.5	5.6	-29.
Direction and Force of Winds (0-12)	E 4	N 6	N 5	WNW 5	W 6	NNE 5	W 5	W 2	NNW 4	W 4	W 1	E 2	N 5	S 2	W 5	SW 2	NNW 3
Weather	rain	cloudy	cloudy	clear	cloudy	cloudy	fair	rain	rain	cloudy	fair	cloudy	cloudy	clear	clear	cloudy	fog

Station	Shanghai 12 ^h , 135 E	Hankow 12 ^h , 135 E	Kasa 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	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
Hour of Observation																	
Atm. Pressure (Red to m.s.l. and Std Gr.)	773.0	774.4	762.3	756.1	766.4	*757.4	*753.3	*757.6	*757.4	*769.4	*763.2	753.9	764.0	752.3	-	763.0	769.1
Air Temperature (in C)	7.5	5.8	20.4	24.1	20.	30.	27.	-	-	19.	25.	21.	18.	0.	-	5.	3.
Direction and Force of Winds (0-12)	N 3	NE 2	NNE 6	SSE 2	SW 2	NE 2	W 3	E 3	ESE 3	ENE 3	W 2	NE 1	calm	SE 4	-	SE -	SW -
Weather	clear	cloudy	cloudy	rain	clear	fair	cloudy	cloudy	fair	cloudy	fair	cloudy	cloudy	snow	-	fair	cloudy

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

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

1
No 787



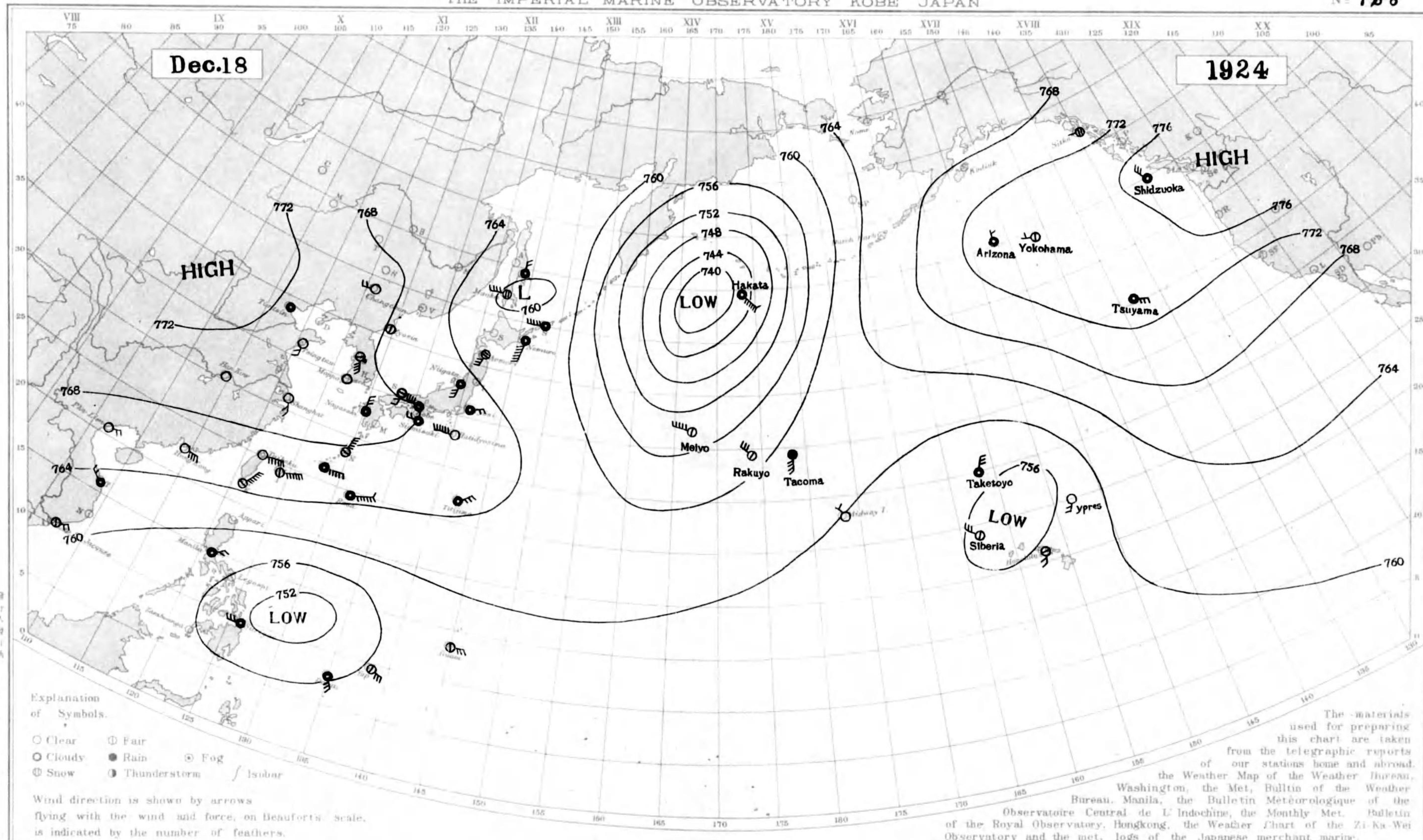
The materials used for preparing this chart are taken from the telegraphic reports of our stations home and abroad, the Weather Map of the Weather Bureau, Washington, the Met. Bulletin of the Weather Bureau, Manila, the Bulletin Meteorologique of the Observatoire Central de L'Indochine, the Monthly Met. 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	Simi-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.)	767.3	766.9	768.7	765.0	768.1	765.2	764.2	762.7	767.5	764.9	758.8	760.8	770.7	766.7	766.5	768.5	770.5
Air Temperature (in C)	17.7	16.2	8.2	11.4	8.6	7.2	11.9	19.5	4.3	-0.5	-0.1	19.7	5.1	0.8	-3.7	-3.3	4.7
Direction and Force of Winds (0-12)	ENE 5	NE 3	E 1	calm	NW 3	NNE 3	WNW 5	NNW 2	WNW 5	W 4	NW 3	calm	NNE 5	S 2	W 4	calm	SSW 5
Weather	fair	rain	fair	cloudy	cloudy	fair	cloudy	cloudy	cloudy	snow	fair	fair	clear	clear	cloudy	cloudy	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.)	771.2	771.5	764.1	755.2	766.1	758.3	754.6	757.3	756.8	768.8	762.6	755.4	761.0	759.5	-	767.6	768.0
Air Temperature (in C)	9.2	9.4	21.3	25.9	19.	28.	25.	-	-	20.	25.	22.	19.	-1.	-	3.	2.
Direction and Force of Winds (0-12)	calm	SSE 2	NE 7	SSE 3	E 4	NE 4	W 2	E 4	SE 3	ENE 4	ESE 4	NW 1	NE 2	E 1	-	SW	calm
Weather	clear	clear	cloudy	rain	clear	cloudy	cloudy	cloudy	fair	clear	fair	clear	clear	clear	snow	fair	fair

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

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

I.
No 788



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

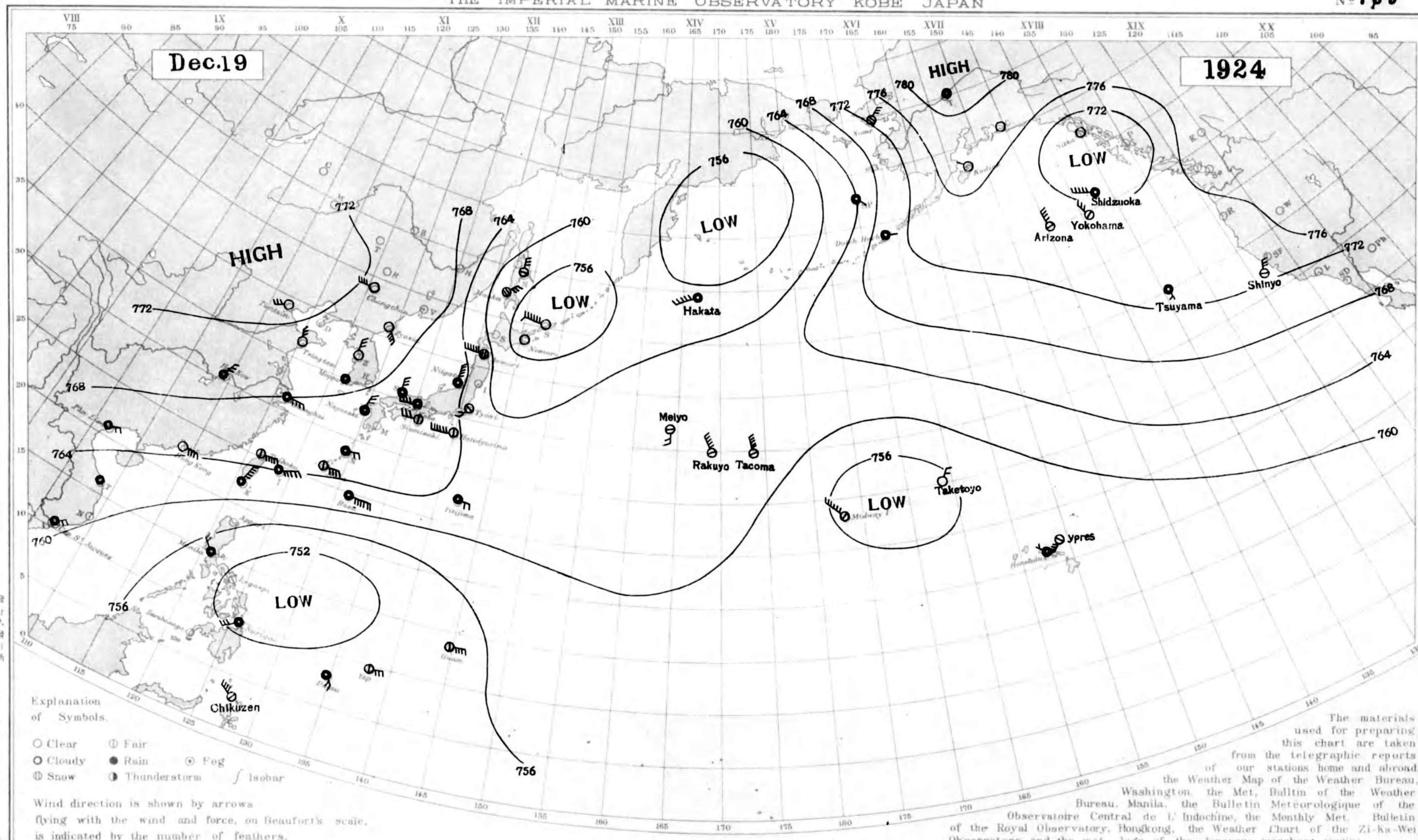
Station	Taihoku	Naha	Nagasaki	Siemtsaki	Kôbe	Tyosi	Hatidyosima	Titizima	Niigata	Aomori	Nemuro	Maaka	Moppo	Zyosin	Changchun	Tientsin	Tsingtau
Hour of Observation	12 ^h , 135 ^E	12 ^h , 135 ^E	12 ^h , 135 ^E	12 ^h , 135 ^E	12 ^h , 135 ^E	12 ^h , 135 ^E	12 ^h , 135 ^E	12 ^h , 135 ^E	12 ^h , 135 ^E	12 ^h , 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 Sred. Gr.)	766.3	767.1	769.7	767.4	768.7	766.2	766.8	764.7	765.3	762.7	762.1	759.6	770.0	765.2	769.3	771.6	769.9
Air Temperature (in C)	21.0	19.0	9.6	12.0	8.7	9.4	14.7	18.9	4.0	2.0	2.0	-3.6	7.4	2.5	-12.4	-3.6	8.4
Direction and Force of Winds (0-12)	E 6	E 5	N 3	W 2	WNW 4	ENE 2	W 6	NE 3	SSW 3	SSW 3	SSW 6	W 4	calm	calm	W 2	calm	S 2
Weather	clear	cloudy	cloudy	cloudy	cloudy	cloudy	clear	cloudy	cloudy	snow	cloudy	snow	clear	fair	clear	cloudy	clear
Station	Shanghai	Hankow	Rasa	Pailou	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 Sred. Gr.)	769.1	768.7	764.1	755.7	765.8	758.5	753.8	757.9	757.8	768.1	762.9	756.4	759.5	-	769.1	-	-
Air Temperature (in C)	13.4	11.7	21.1	29.3	17.	28.	26.	-	-	20.	26.	23.	16.	-	-1.	-	-
Direction and Force of Winds (0-12)	SE 2	- 1	ENE 7	SSE 3	E 4	NE 2	W 3	E 3	ESE 3	ENE 2	ENE 2	S 2	NW 1	-	-	-	-
Weather	clear	clear	cloudy	cloudy	clear	cloudy	cloudy	fair	fair	clear	fair	fair	clear	-	snow	-	-

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No. 789



Station	Taihoku	Naha	Nagasaki	Siemtsaki	Kobe	Tyosi	Hatidyosima	Titizima	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 Sred Gr) * not reduced to Sred Gr.	764.7	764.1	767.5	765.6	767.0	761.1	764.2	763.6	764.1	761.5	755.5	756.8	768.9	769.1	771.4	774.9	771.6
Air Temperature (in C)	21.1	21.9	10.0	14.6	10.4	13.0	12.2	19.9	5.1	0.9	0.0	-7.4	4.0	-0.4	-3.5	2.0	4.5
Direction and Force of Winds (0-12)	E 5	E 4	NNE 3	W 3	W 4	SW 2	W 6	E 2	N 5	W 6	calm	NE 3	calm	SE 4	W 4	WSW 3	NNW 3
Weather	fair	fair	cloudy	fair	cloudy	fair	fair	cloudy	cloudy	snow	clear	snow	cloudy	clear	clear	clear	clear

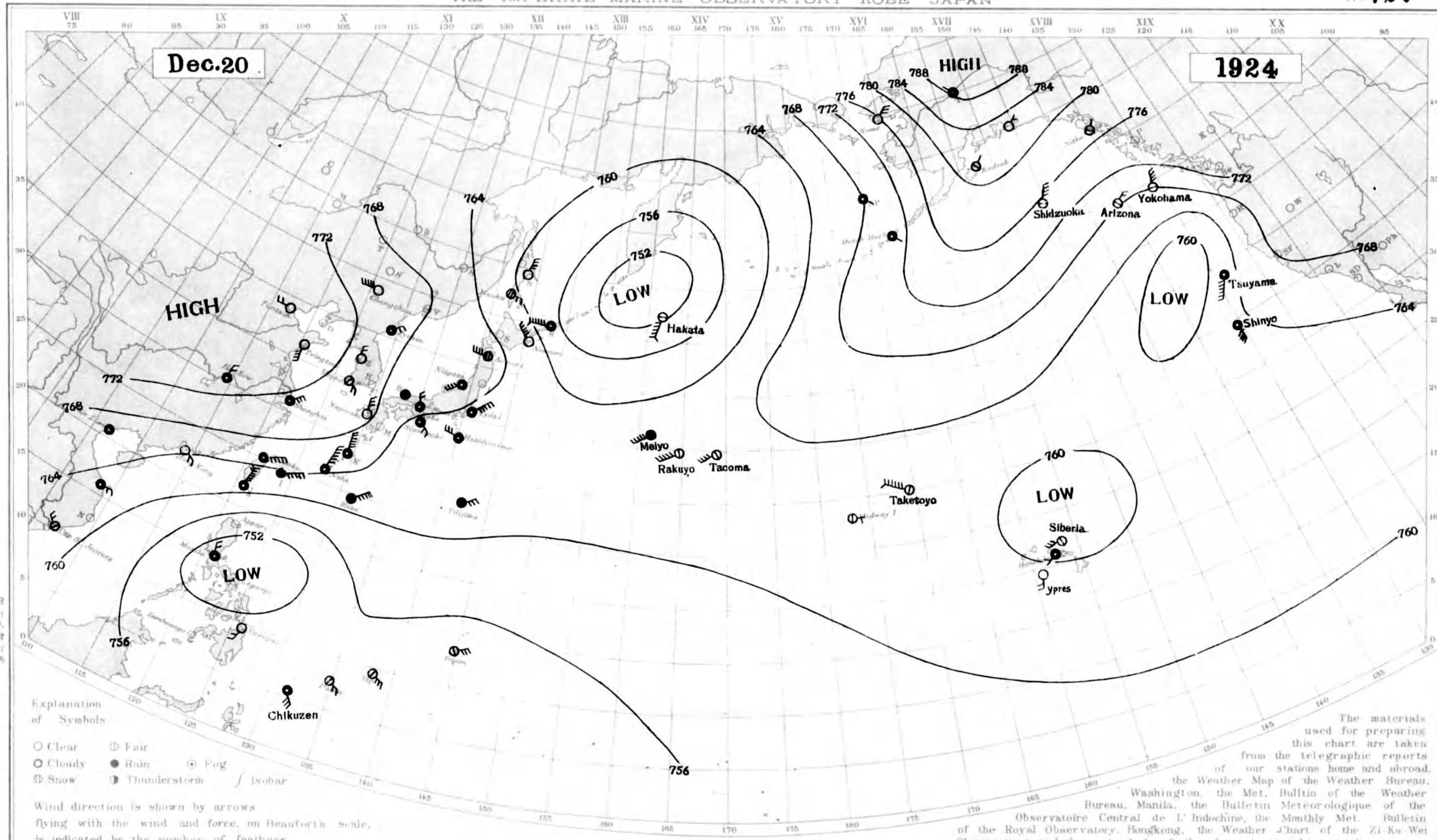
Station	Shanghai	Hankow	Rusa	Palau	Hongkong	Manila	Surigao	Guam	Yap	Phu-Lien	Cap-S-Jacques	Honolulu	Midway I.	Nome	Sitka	Dutch Harbor	Kodiak
Hour of Observation	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	14 ^h	14 ^h	14 ^h	14 ^h	14 ^h	10 ^h	10 ^h	20 ^h	13 : 30 ^h	20 ^h , 135 W	20 ^h , 135 W	20 ^h , 135 W	20 ^h , 135 W
Atm. Pressure (Red to m.s.l. and Sred Gr) * not reduced to Sred Gr.	768.0	770.4	761.4	755.8	764.5	* 755.8	* 752.9	* 757.2	* 757.4	* 766.3	* 762.6	759.5	754.9	774.7	771.6	770.1	778.8
Air Temperature (in C)	13.4	7.4	23.2	29.3	19.	26.	25.	-	-	19.	24.	21.	20.	18.	- 2.	4.	1.
Direction and Force of Winds (0-12)	E 4	NNE 3	E 6	SE 2	E 4	NW 2	SW 3	E 4	E 3	ENE 2	ENE 2	NW 1	NW 6	NE 3	calm	E -	NW -
Weather	cloudy	cloudy	cloudy	cloudy	clear	cloudy	cloudy	fair	fair	cloudy	cloudy	cloudy	fair	cloudy	clear	cloudy	clear

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

3
No 790



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.

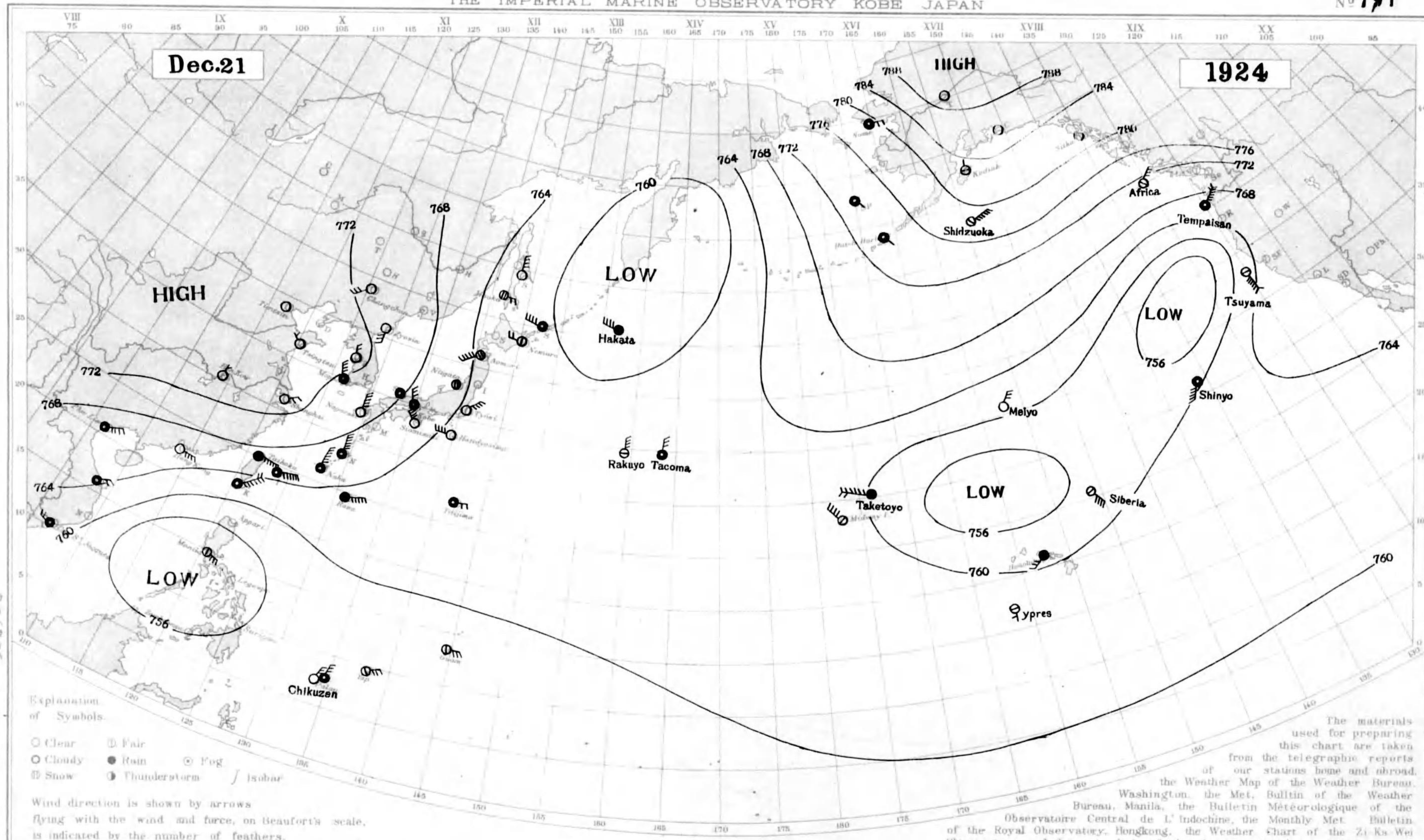
Station	Taihoku	Naha	Nagasaki	Simsuki	Kobe	Tyosi	Hatidyosima	Titi zima	Niigata	Aomori	Nemuro	Maoka	Moppo	Zyosin	Changchun	Tientsin	Tsingtau
Hour of Observation	12 ^h , 135° E	12 ^h , 135° E	12 ^h , 135° E	12 ^h , 135° E	12 ^h , 135° E	12 ^h , 135° E	12 ^h , 135° E	12 ^h , 135° E	12 ^h , 135° E	12 ^h , 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 Std. Gr.)	755.5	764.2	768.7	763.9	765.6	761.8	763.0	760.5	766.3	764.9	760.4	760.3	770.7	768.9	763.6	773.9	773.6
Air Temperature (in °C)	6.8	19.7	9.1	12.6	8.8	6.6	11.8	18.8	4.0	-1.6	-3.2	-7.8	5.6	-1.4	-9.6	0.8	-0.9
Direction and Force of Winds (0-12)	ENE 5	NNE 6	N 3	SE 2	NNW 2	NE 5	WNW 3	NE 3	SW 4	W 4	NW 5	ESE 2	SE 2	NE 2	W 5	W 2	S 4
Weather	cloudy	cloudy	clear	cloudy	cloudy	cloudy	cloudy	rain	cloudy	snow	clear	snow	fair	cloudy	clear	clear	clear
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	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.)	771.4	773.9	761.1	756.0	764.0	752.8	754.8	757.2	756.9	767.3	762.9	759.5	761.0	776.2	776.2	770.1	781.8
Air Temperature (in °C)	9.6	7.4	20.4	30.0	21.	25.	31.	-	-	20.	24.	23.	17.	-3.	-1.	3.	2.
Direction and Force of Winds (0-12)	NE 3	NNE 3	NE 5	SE 2	ESF 2	N 2	SSW 2	ENE 3	ESE 3	calm	NW 2	SW 1	E 1	NE 3	NE -	SE -	NE -
Weather	cloudy	cloudy	rain	fair	clear	cloudy	clear	fair	fair	cloudy	fair	cloudy	fair	clear	fair	cloudy	fair

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No. 791



Explanation of Symbols

- Clear
- ☁ Cloudy
- ☂ Rain
- ☁☂ Fog
- ☁☂☄ Thunderstorm
- Isobar
- ↗ Fair

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	Tsuhoku	Naha	Nagasaki	Siomi saki	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.)	767.7	766.8	769.9	765.2	767.1	763.5	762.3	760.8	766.0	763.4	761.9	761.9	771.8	769.4	771.1	773.4	773.8	
Air Temperature (in C)	15.6	17.8	6.5	11.0	8.6	8.0	15.0	20.0	3.9	-0.1	-0.6	-1.3	6.7	0.8	-10.8	0.8	3.5	
Direction and Force of Winds (0-12)	E 6	NNE 6	N 5	NNW 4	NNW 3	NE 4	W 4	E 2	calm	SW 4	W 2	E 2	NNW 4	SSW 3	SW 3	calm	NW 1	
Weather	rain	cloudy	clear	clear	cloudy	clear	clear	cloudy	snow	snow	fair	snow	cloudy	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.)	773.1	774.1	763.8	756.4	765.2	* 755.8	-	* 757.9	* 757.6	* 768.3	* 763.6	757.4	760.5	779.8	780.3	773.7	783.8	
Air Temperature (in C)	9.4	9.5	20.1	28.9	20.	28.	-	-	-	19.	23.	20.	17.	- 2.	- 2.	3.	3.	
Direction and Force of Winds (0-12)	NE 2	NNE 1	ENE 5	NNW 3	E 4	ESE 3	-	-	E 3	ENE 3	ENE 4	W 2	SW 3	NW 4	E 2	calm	SE -	
Weather	clear	clear	rain	cloudy	clear	fair	-	fair	fair	cloudy	cloudy	cloudy	rain	fair	cloudy	clear	cloudy	fair

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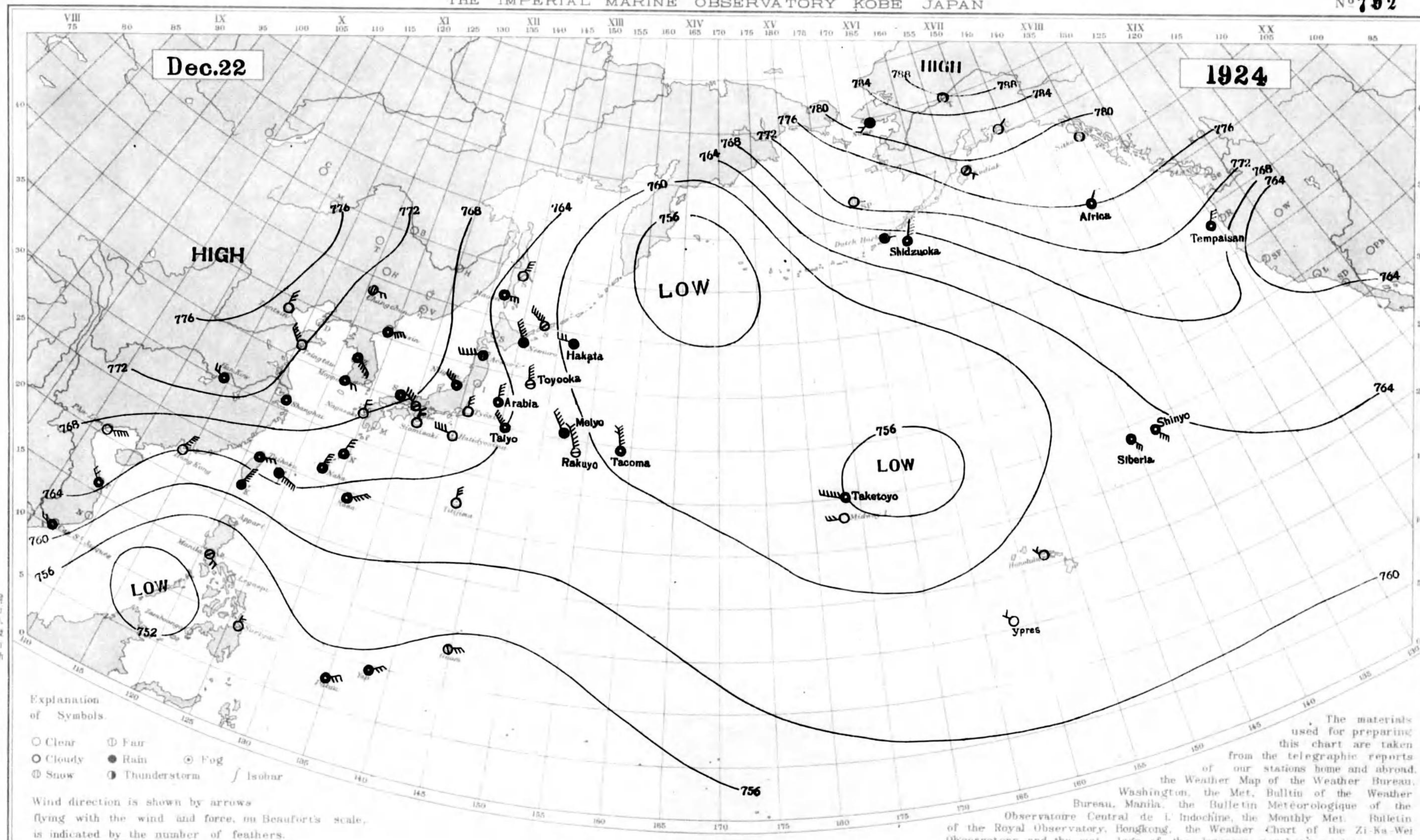
圖氣天洋平大北

號一九七第

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

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

3
No 702



印 行 大 報 會 所
神 戶 市 中 山 手 油 上 丁 目
海 軍 省 海 軍 省 海 軍 省

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	Tsukuba 12 ^h , 135 ^E	Naha 12 ^h , 135 ^E	Nagasaki 12 ^h , 135 ^E	Simsaki 12 ^h , 135 ^E	Kobe 12 ^h , 135 ^E	Tyosai 12 ^h , 135 ^E	Hatidyosima 12 ^h , 135 ^E	Titizima 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.)*	766.5	765.7	768.9	766.4	767.2	765.1	764.5	763.1	767.0	765.2	761.4	763.8	769.6	768.3	770.6	775.3	772.0
Air Temperature (in C)	16.4	17.4	8.4	0.4	9.0	9.0	14.7	18.3	4.8	-1.3	-2.0	-7.8	3.9	-0.6	-0.1	2.8	7.8
Direction and Force of Winds (0-12)	E 3	NNE 4	N 2	N 2	NW 4	N 3	WNW 4	N 3	NW 4	WSW 5	NNW 6	E 3	E 2	ENE 4	E 2	N 3	NW 5
Weather	cloudy	cloudy	clear	clear	fair	clear	clear	cloudy	cloudy	rain	rain	cloudy	cloudy	cloudy	snow	clear	clear

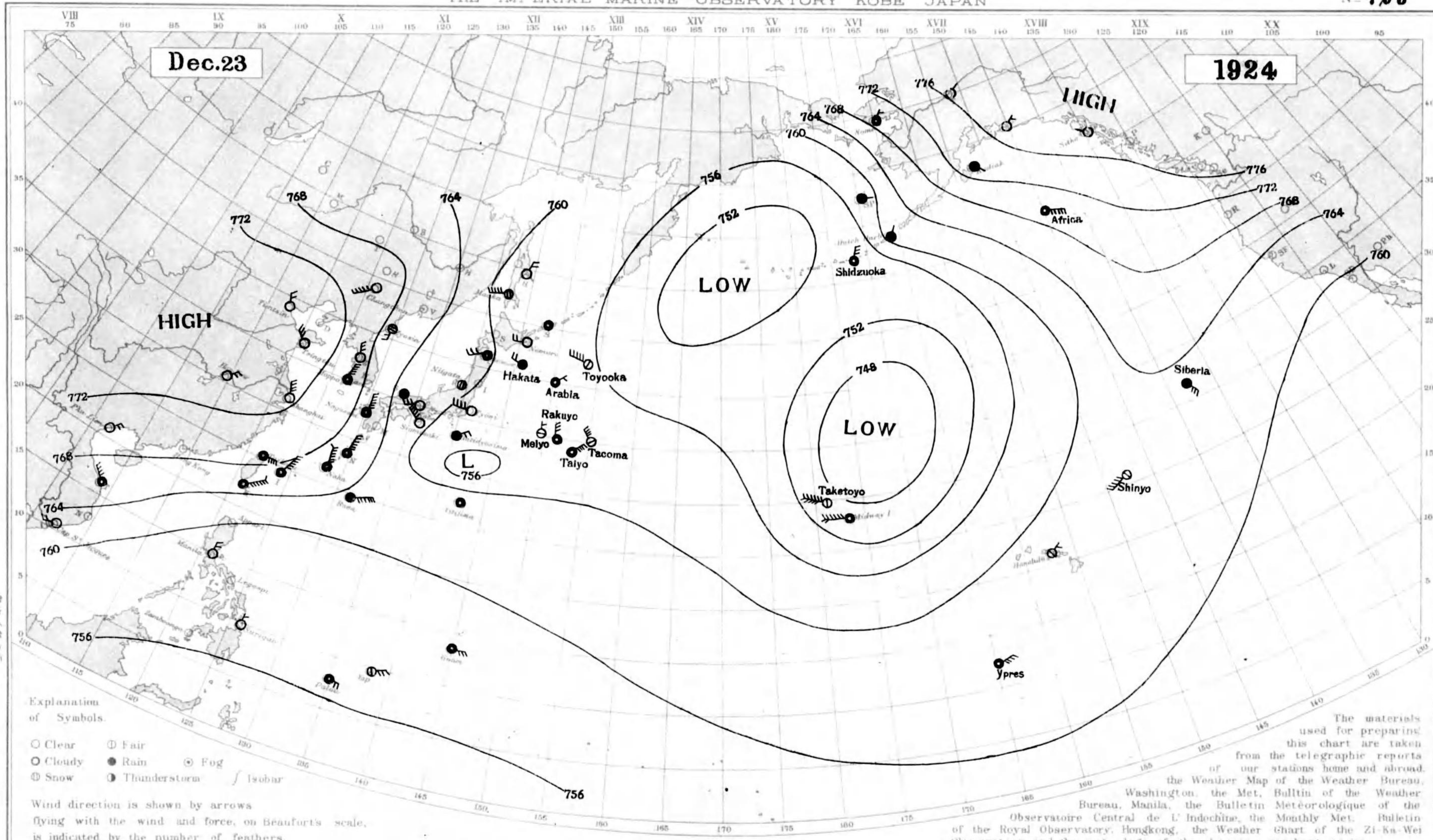
Station	Shanghai 12 ^h , 135 ^E	Hankow 12 ^h , 135 ^E	Rosa 12 ^h , 135 ^E	Palau 12 ^h , 135 ^E	Hongkong 14 ^h	Manila 14 ^h	Surigao 14 ^h	Guam 14 ^h	Yap 14 ^h	Phu-Lien 10 ^h	Cap-S-Jacques 10 ^h	Honolulu 20 ^h	Midway I. 18 ^h , 30 ^W	Nome 20 ^h , 135 ^W	Sitka 20 ^h , 135 ^W	Dutch Harbor 20 ^h , 135 ^W	Kodiak 20 ^h , 135 ^W
Atm. Pressure (Red. to m.s.l. and Std. Gr.)*	770.9	774.2	763.3	755.5	764.0	757.0	757.4	757.3	757.5	769.3	763.3	760.5	757.9	782.3	779.3	779.8	765.5
Air Temperature (in C)	7.9	8.7	21.3	29.6	20.	30.	29.	-	-	19.	23.	22.	19.	-6.	-4.	2.	3.
Direction and Force of Winds (0-12)	calm	WNW 2	ENE 5	ENE 3	NNE 4	SE 2	N 1	ENE 3	ENE 3	ENE 5	W 2	NW 1	W 3	SW 1	calm	SE -	E -
Weather	cloudy	cloudy	cloudy	cloudy	clear	fair	clear	fair	cloudy	clear	cloudy	clear	clear	rain	clear	fair	rain

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

2
No 793



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 Svd. Gr.)	769.6	766.1	766.2	760.5	762.3	758.3	759.7	761.1	760.8	760.2	758.6	756.6	769.1	767.3	769.6	773.0	774.5
Air Temperature (in C)	14.4	16.7	6.5	11.5	8.6	9.6	9.2	19.1	1.3	0.5	-1.3	-6.1	2.8	-0.3	-10.6	0.6	-1.2
Direction and Force of Winds (0-12)	E 4	N 7	N 6	NW 5	SW 3	W 4	NE 2	calm	calm	WSW 3	WSW 2	WSW 5	NNE 5	S 2	SW 5	NNW 2	NW 3
Weather	cloudy	cloudy	cloudy	clear	clear	clear	rain	cloudy	snow	cloudy	clear	snow	cloudy	clear	clear	clear	clear

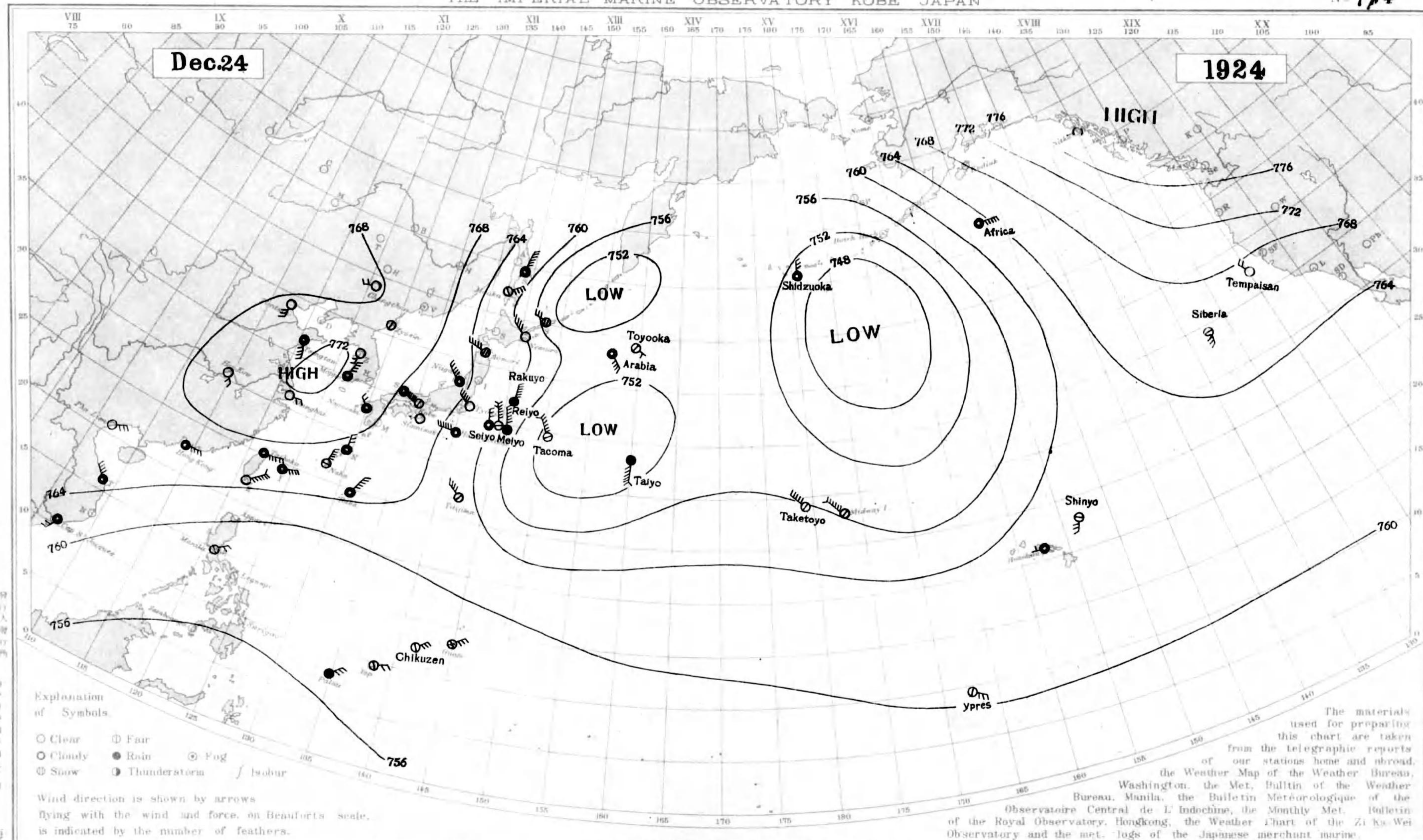
Station	Shanghai	Hankow	Rusa	Palau	Hongkong	Manila	Surigao	Guam	Yap	Phu-Lien	Cap-S-Jacques	Honolulu	Midway I.	Nome	Sitka	Dutch Harbor	Kodiak
Hour of Observation	12 ^h , 135 ^E	12 ^h , 135 ^E	12 ^h , 135 ^E	12 ^h , 135 ^E	14 ^h	14 ^h	14 ^h	14 ^h	14 ^h	10 ^h	10 ^h	20 ^h	18 : 30 ^h	20 ^h , 135 ^W	20 ^h , 135 ^W	20 ^h , 135 ^W	20 ^h , 135 ^W
Atm. Pressure (Red. to m.s.l. and Svd. Gr.)	773.5	774.7	762.6	756.3	765.8	758.1	757.9	757.4	757.5	770.5	763.6	762.5	749.3	770.6	777.2	761.5	772.2
Air Temperature (in C)	7.4	6.8	19.5	23.1	19.	31.	29.	-	-	18.	25.	21.	20.	-9.	-1.	4.	3.
Direction and Force of Winds (0-12)	NNW 4	NE 2	ENE 6	ESE 2	N 2	SE 2	N 1	E 3	ENE 3	NE 3	WSW 2	NE 1	W 8	NE 1	-	NE	SE
Weather	clear	clear	rain	cloudy	clear	clear	clear	cloudy	fair	clear	clear	fair	cloudy	cloudy	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 784



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.

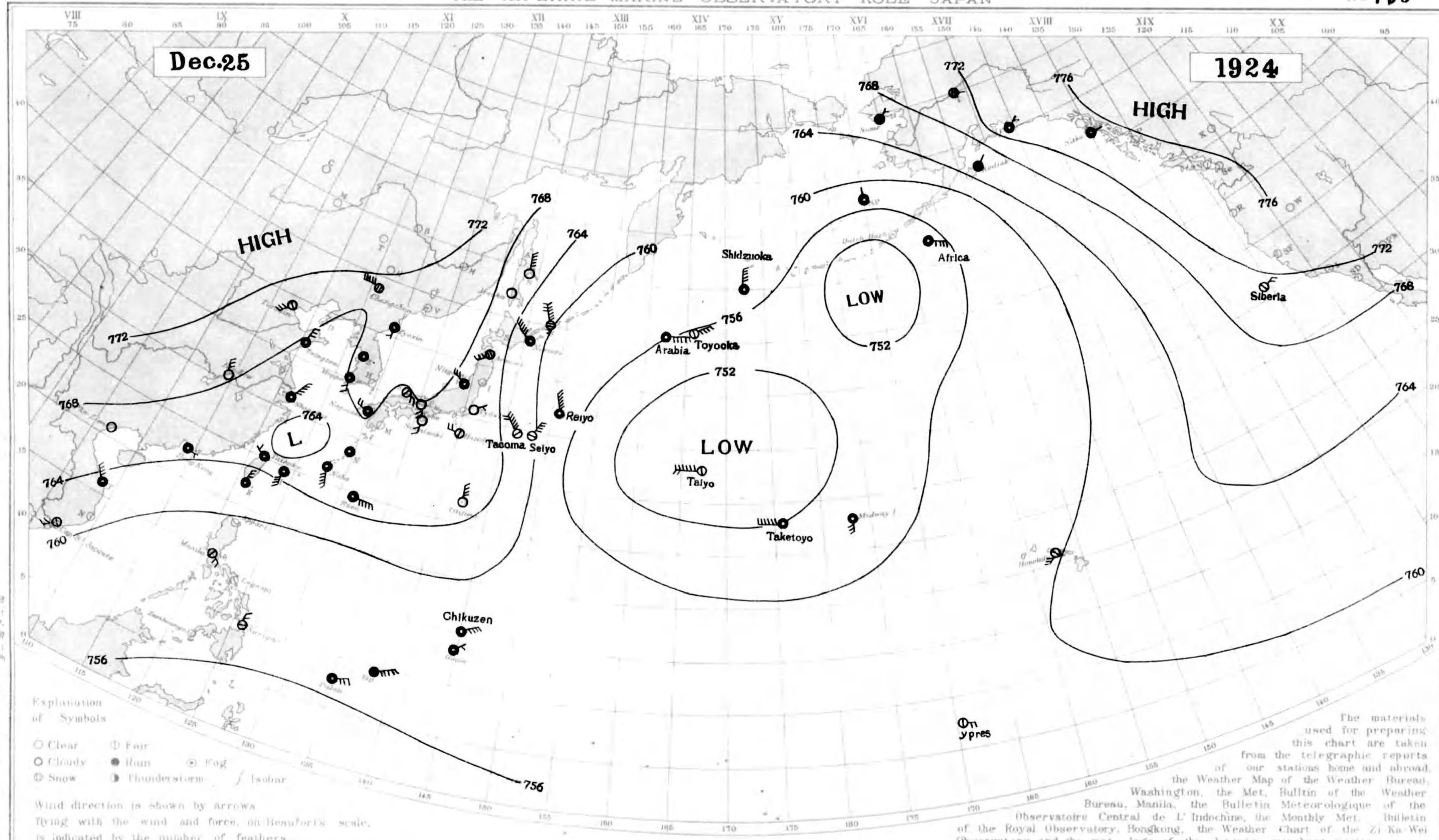
The materials used for preparing this chart are taken from the telegraphic reports of our stations home and abroad, the Weather Map of the Weather Bureau, Washington, the Met. Bulletin of the Weather Bureau, Manila, the Bulletin Météorologique of the Observatoire Central de L'Indochine, the Monthly Met.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

Station	Taihoukyu	Naha	Nagasaki	Stomiaki	Kobe	Tyosai	Haidyosima	Tatizima	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.)	767.6	767.7	769.6	765.7	767.0	762.4	762.0	761.5	764.7	761.6	760.0	760.0	771.6	768.8	767.5	769.2	771.1
Air Temperature (in C)	16.2	17.2	8.5	10.4	7.6	7.2	9.6	17.8	3.7	-1.5	-1.7	-6.2	5.4	1.6	-7.6	0.6	3.1
Direction and Force of Winds (0-12)	E 5	NNE 5	NW 2	NNW 2	WNW 5	NW 5	W 6	NW 4	NW 5	WNW 5	NW 4	NE 4	NNE 4	calm	WSW 2	SSW 3	SSE 4
Weather	cloudy	fair	cloudy	clear	fair	clear	cloudy	fair	cloudy	snow	clear	fair	cloudy	fair	clear	clear	clear
Station	Shanghai	Hankow	Rusa	Palau	Hongkong	Manila	Surigao	Guam	Yap	Phu-Lien	Cap. 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.)	771.8	769.4	764.8	757.3	766.4	759.4	-	758.3	758.5	767.9	762.8	761.0	755.9	-	778.8	-	-
Air Temperature (in C)	7.9	2.8	18.9	27.1	15.	30.	-	-	-	18.	24.	22.	19.	-	-2.	-	-
Direction and Force of Winds (0-12)	E 2	SE 2	NNE 6	NE 3	E 4	NE 2	-	NE 3	ENE 2	ENE 3	SSW 2	W 1	NW 7	-	W -	-	-
Weather	clear	clear	cloudy	rain	cloudy	fair	-	fair	fair	clear	cloudy	cloudy	fair	-	clear	-	-

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

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

2
No 795



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.

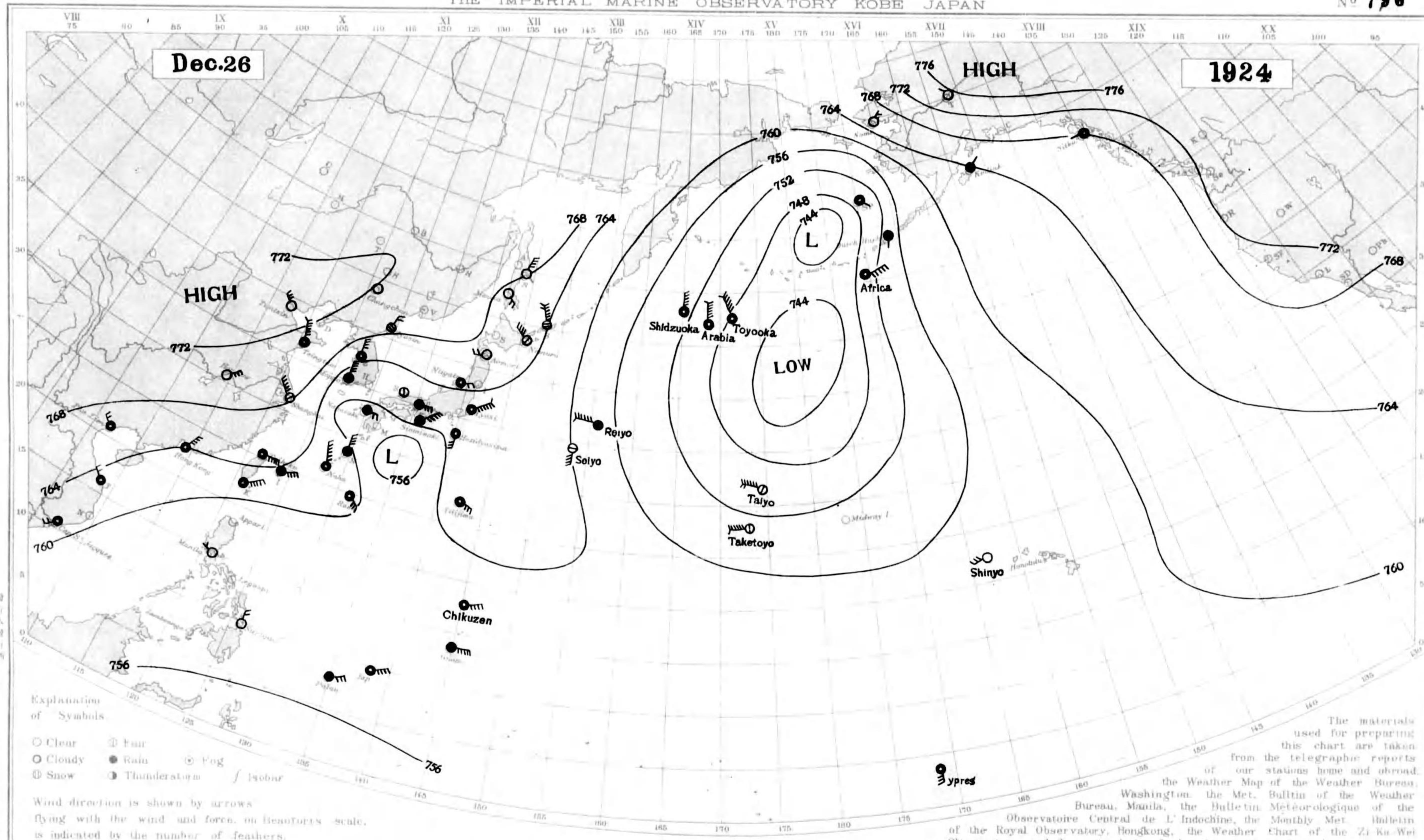
The materials used for preparing this chart are taken from the telegraphic reports of our stations home and abroad, the Weather Map of the Weather Bureau, Washington, the Met. Bulletin of the Weather Bureau, Manila, the Bulletin Meteorologique of the Observatoire Central de L'Indochine, the Monthly Met. 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	Taihoen	Naha	Nagasaki	Siomiaki	Kobe	Tyosi	Hatidosima	Titizima	Nigata	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 sea level and Sudd Gr.)	764.7	765.3	768.5	767.1	767.9	765.8	765.9	764.9	767.6	766.1	762.0	765.5	768.1	769.4	770.6	769.7	766.4
Air Temperature (In C)	16.2	20.5	10.4	11.7	8.6	8.9	12.3	18.5	5.8	1.0	- 2.2	- 5.0	6.8	2.0	- 10.9	- 0.4	5.3
Direction and Force of Winds (0-12)	WNW 1	SSE 5	WNW 2	S 2	SSE 2	NE 1	W 2	N 4	NW 3	SW 3	NW 6	calm	S 2	S 1	W 5	SW 3	NNE 3
Weather	cloudy	cloudy	cloudy	clear	clear	clear	fair	clear	cloudy	snow	cloudy	clear	cloudy	cloudy	snow	fair	cloudy
Station	Shanghai	Hankow	Kobe	Philau	Hongkong	Manila	Surigao	Guam	Yap	Phu-Lien	Cap-S-Jacques	Honohulu	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 sea level and Sudd Gr.)	765.1	768.5	765.3	756.7	764.3	759.1	758.5	758.5	758.0	767.4	763.0	759.5	753.9	766.6	774.2	-	766.1
Air Temperature (In C)	13.9	18.0	21.7	27.7	16.	30.	28.	-	-	20.	23.	24.	19.	0.	1.	-	4.
Direction and Force of Winds (0-12)	NNE 5	NNW 3	E 5	ENE 3	E 1	SE 2	N 2	NE 1	ENE 5	calm	SW 2	SW 3	S 3	NE 1	E -	-	NE -
Weather	cloudy	clear	cloudy	cloudy	cloudy	fair	fair	cloudy	rain	clear	fair	fair	cloudy	rain	cloudy	-	rain

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

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

2
No 796



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

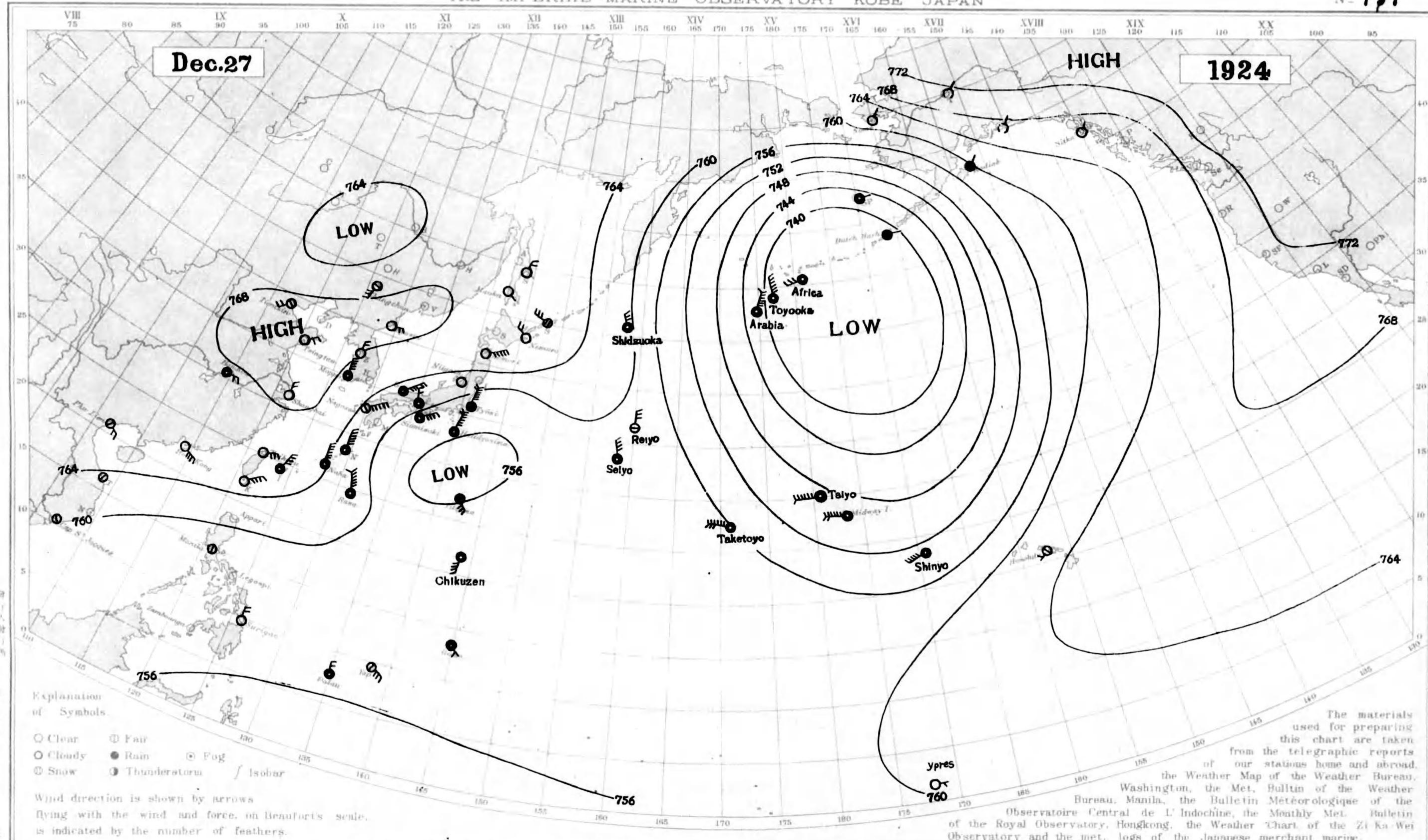
Station	Taihoku 12° 135 E	Naha 12° 135 E	Nagasaki 12° 135 E	Stomasaki 12° 135 E	Kobe 12° 135 E	Tyosai 12° 135 E	Hatidyosima 12° 135 E	Titizima 12° 135 E	Niigata 12° 135 E	Aomori 12° 135 E	Nemuro 12° 135 E	Maoka 12° 135 E	Moppo 12° 135 E	Zyosin 12° 135 E	Changchun 12° 135 E	Tientsin 12° 135 E	Tsingtan 12° 135 E
Atm. Pressure (Red to sea level and 578 ft)	764.9	762.2	759.1	761.1	763.1	762.9	761.5	763.2	764.6	766.8	766.0	767.7	762.8	769.7	771.9	772.5	769.7
Air Temperature (in C)	16.7	18.6	9.9	8.3	5.1	8.4	15.2	19.5	5.9	4.0	-2.2	-7.2	3.2	-1.2	-16.8	-1.4	0.2
Direction and Force of Winds (0-12)	E 5	NNW 6	E 2	NE 5	E 3	NE 7	S 3	ESE 3	ENE 2	WSW 2	NW 4	SE 2	N 5	NNE 2	calm	NW 3	NNW 7
Weather	cloudy	cloudy	rain	rain	rain	cloudy	cloudy	cloudy	cloudy	clear	fair	cloudy	rain	snow	cloudy	clear	cloudy
Station	Shanghai 12° 135 E	Hankow 12° 135 E	Rasa 12° 135 E	Palau 12° 135 E	Hongkong 14°	Manila 14°	Surigao 14°	Guam 14°	Yap 14°	Phu-Lien 10°	Cap-S-Jacques 10°	Honolulu 20°	Midway I. 18° 30°	Nome 20° 135 W	Sitka 20° 135 W	Dutch Harbor 20° 135 W	Kodiak 20° 135 W
Atm. Pressure (Red to sea level and 578 ft)	768.2	770.6	760.4	757.0	764.0	759.0	758.0	757.3	757.3	767.3	762.5	-	-	766.6	768.0	754.9	764.0
Air Temperature (in C)	8.6	8.4	22.0	24.1	21.	29.	28.	-	-	20.	26.	-	-	0.	1.	6.	4.
Direction and Force of Winds (0-12)	NW 5	NE 3	SE 3	ENE 3	NNE 4	WSW 1	N 2	E 5	ENE 4	NW 2	SW 2	-	-	NE 1	W -	S -	NE -
Weather	fair	clear	cloudy	rain	cloudy	clear	clear	rain	cloudy	cloudy	cloudy	-	-	clear	cloudy	rain	rain

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No. 797



Explanation of Symbols

- Clear
- ◐ Fair
- ◑ Cloudy
- ◒ Rain
- ◓ Fog
- ◔ Snow
- ◕ Thunderstorm
- Isobar

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

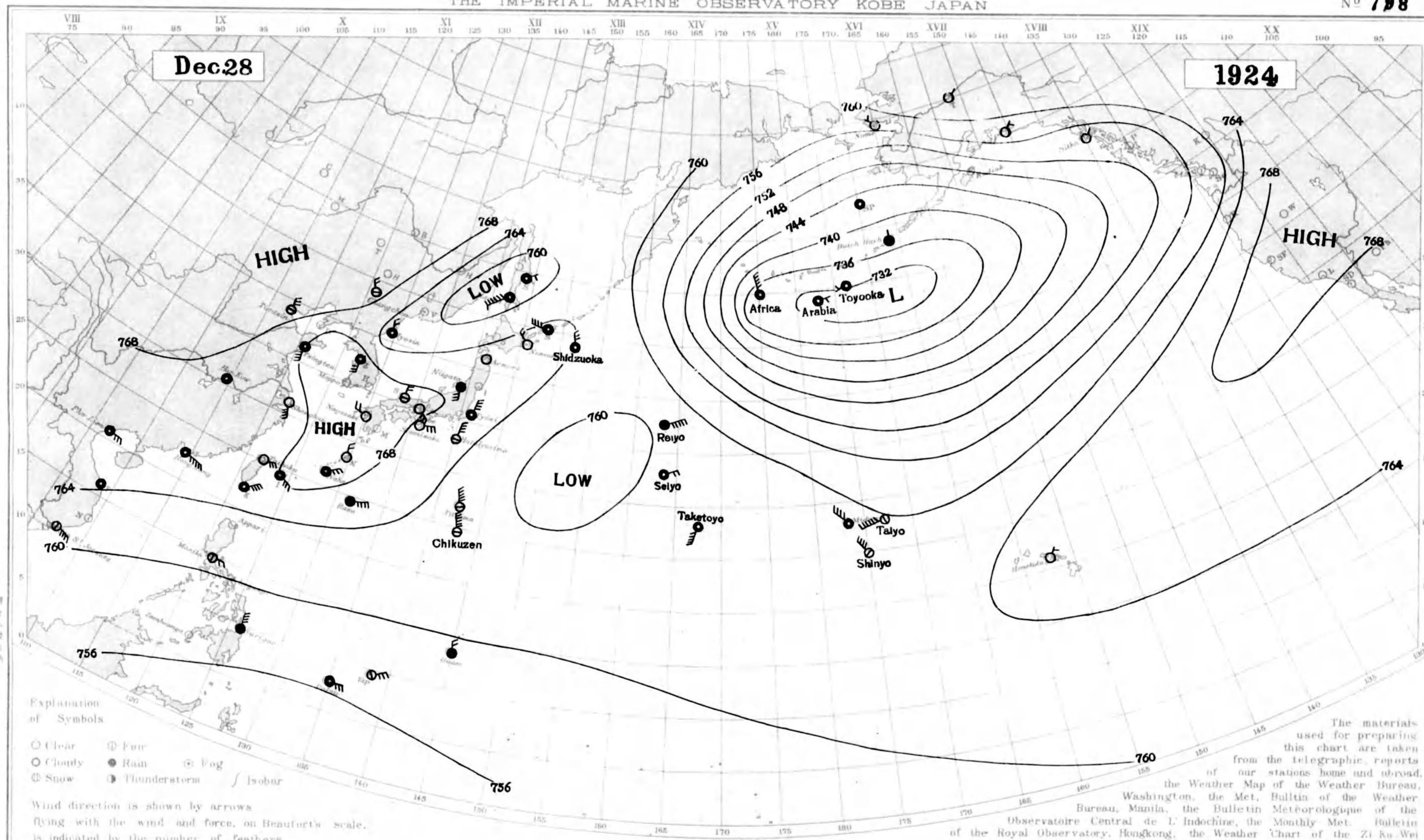
The materials used for preparing this chart are taken from the telegraphic reports of our stations home and abroad, the Weather Map of the Weather Bureau, Washington, the Met. Bulletin of the Weather Bureau, Manila, the Bulletin Météorologique of the Observatoire Central de L'Indochine, the Monthly Met. 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	Taiyoku 12°N, 135°E	Naha 12°N, 135°E	Nagasaki 12°N, 135°E	Simotsuki 12°N, 135°E	Kobe 12°N, 135°E	Tyosai 12°N, 135°E	Hatidyosima 12°N, 135°E	Titizima 12°N, 135°E	Niigata 12°N, 135°E	Aomori 12°N, 135°E	Nemuro 12°N, 135°E	Maoka 12°N, 135°E	Moppo 12°N, 135°E	Zyosin 12°N, 135°E	Changchun 12°N, 135°E	Tientsin 12°N, 135°E	Tsingtau 12°N, 135°E
Hour of Observation																	
Atm. Pressure (Red to m.s.l. and Std. Gr.)	767.0	764.7	762.7	758.9	761.0	758.9	756.7	755.9	762.5	765.9	767.5	767.1	767.0	769.6	765.7	768.8	769.8
Air Temperature (in C)	17.6	18.0	10.4	11.0	10.8	8.8	13.1	17.4	7.0	3.4	-2.0	-4.2	7.9	-0.9	-9.8	-0.9	-0.6
Direction and Force of Winds (0-12)	ENE 3	N 6	NE 5	NE 4	NNW 2	NNE 8	NNE 8	SE 3	calm	ENE 5	NW 2	SE 2	N 5	ENE 2	SSW 3	SW 2	NE 2
Weather	clear	cloudy	fair	cloudy	cloudy	rain	cloudy	rain	clear	clear	clear	clear	cloudy	clear	fair	fair	clear
Station	Shanghai 12°N, 135°E	Hankow 12°N, 135°E	Rosa 12°N, 135°E	Palau 12°N, 135°E	Hongkong 14°N	Manila 14°N	Surigao 14°N	Guam 14°N	Yap 14°N	Phi-Lien 10°N	Cap St Jacques 10°N	Honolulu 20°N	Midway I. 18°N, 30°W	Nome 20°N, 135°W	Sitka 20°N, 135°W	Dutch Harbor 20°N, 135°W	Kodiak 20°N, 135°W
Hour of Observation																	
Atm. Pressure (Red to m.s.l. and Std. Gr.)	769.5	767.3	762.1	756.4	765.6	769.8	768.7	768.4	768.1	766.2	761.9	763.5	750.8	761.5	764.5	739.1	759.5
Air Temperature (in C)	8.6	7.8	18.5	23.9	17.	23.	28.	-	-	21.	25.	22.	18.	-4.	2.	6.	4.
Direction and Force of Winds (0-12)	N 2	E 2	NNW 7	N 2	ESE 4	calm	N 2	SE 1	ESE 3	ESE 2	calm	SW 1	W 8	NE 3	NE -	E -	NE -
Weather	clear	cloudy	cloudy	cloudy	clear	fair	clear	cloudy	fair	fair	fair	fair	cloudy	clear	clear	rain	rain

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

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

No. 798



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 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	Stomiaki	Kobe	Tyust	Hatidyosima	Titiyama	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.)	767.6	768.2	769.4	767.8	768.7	767.5	766.4	761.6	767.1	766.5	764.2	759.9	768.7	762.9	768.1	769.3	768.0
Air Temperature (in C)	22.0	19.4	11.5	12.2	9.5	8.6	12.3	19.1	6.1	4.6	-1.4	2.2	9.3	1.0	-9.1	1.8	4.6
Direction and Force of Winds (0-12)	E 3	NE 3	WNW 2	ENE 3	SE 3	NNE 4	NNE 4	NNW 5	S 3	calm	NW 2	SW 7	calm	N 2	NNW 2	N 3	S 4
Weather	clear	cloudy	clear	clear	clear	cloudy	fair	fair	rain	clear	clear	cloudy	clear	cloudy	fair	fair	cloudy

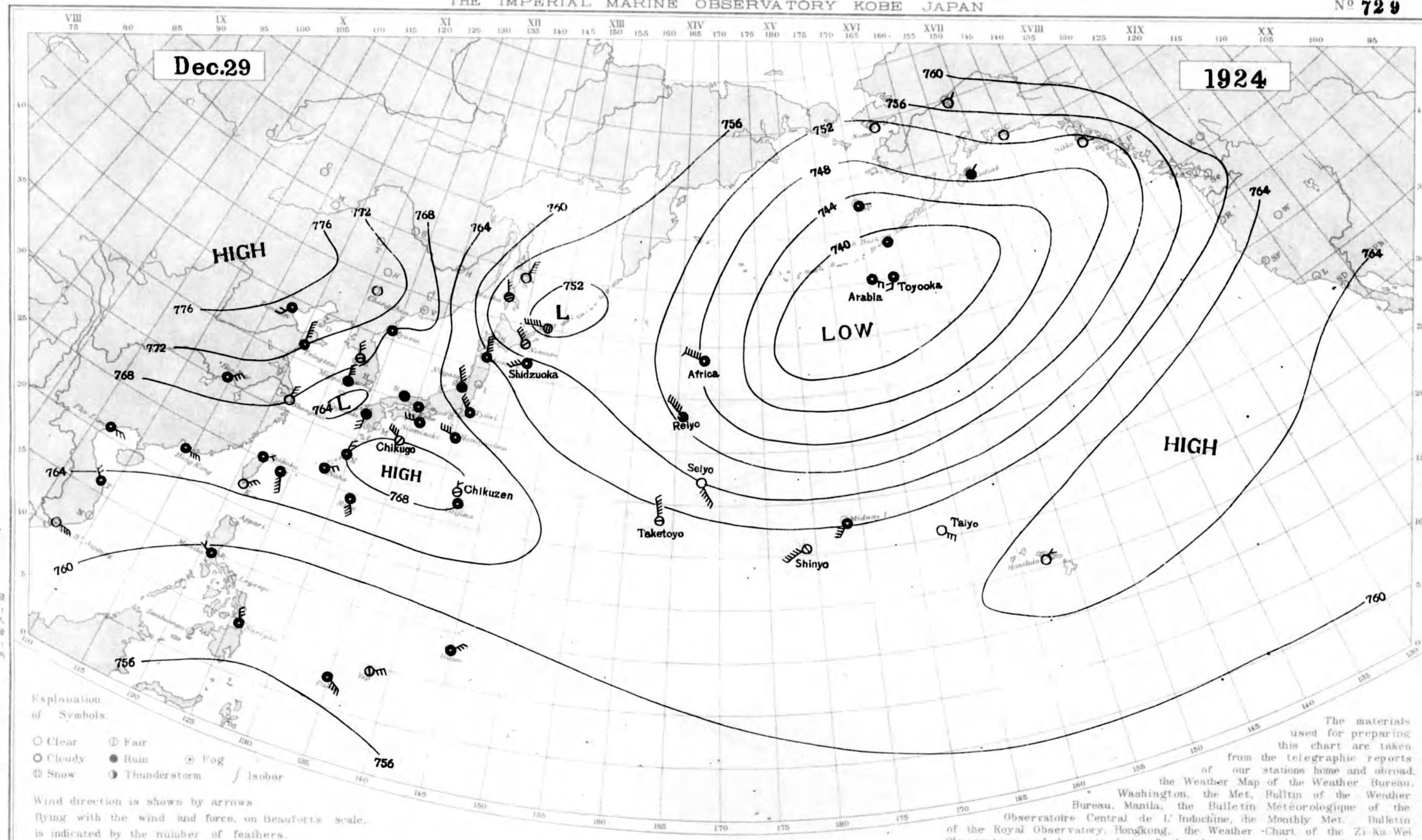
Station	Shanghai	Hankow	Rasa	Palau	Hongkong	Manila	Surigao	Guam	Yap	Phi-Lien	Cap-S-Jacques	Honolulu	Midway I.	Nome	Sitka	Dutch Harbor	Kodiak
Hour of Observation	12 ^h , 135 ^E	12 ^h , 135 ^E	12 ^h , 135 ^E	12 ^h , 135 ^E	14 ^h	14 ^h	14 ^h	14 ^h	14 ^h	10 ^h	10 ^h	20 ^h	16:30 ^h	20 ^h , 135 ^W	20 ^h , 135 ^W	20 ^h , 135 ^W	12 ^h , 135 ^W
Atm. Pressure (Red to m.s.l. and Std. Gr.)	767.2	767.5	766.2	756.9	766.7	762.0	759.5	759.7	758.7	767.1	762.3	765.0	761.0	756.9	755.4	739.6	-
Air Temperature (in C)	13.2	10.5	21.7	28.1	18.	27.	26.	-	20.	25.	22.	19.	-13.	3.	6.	-	-
Direction and Force of Winds (0-12)	SSE 4	calm	ENE 4	E 3	E 5	E 2	N 4	N 2	ENE 3	E 3	E 4	NE 1	NW 4	NW 1	NE -	N -	-
Weather	clear	cloudy	rain	cloudy	cloudy	fair	rain	rain	fair	cloudy	fair	clear	cloudy	clear	clear	rain	-

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No. 729



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 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.

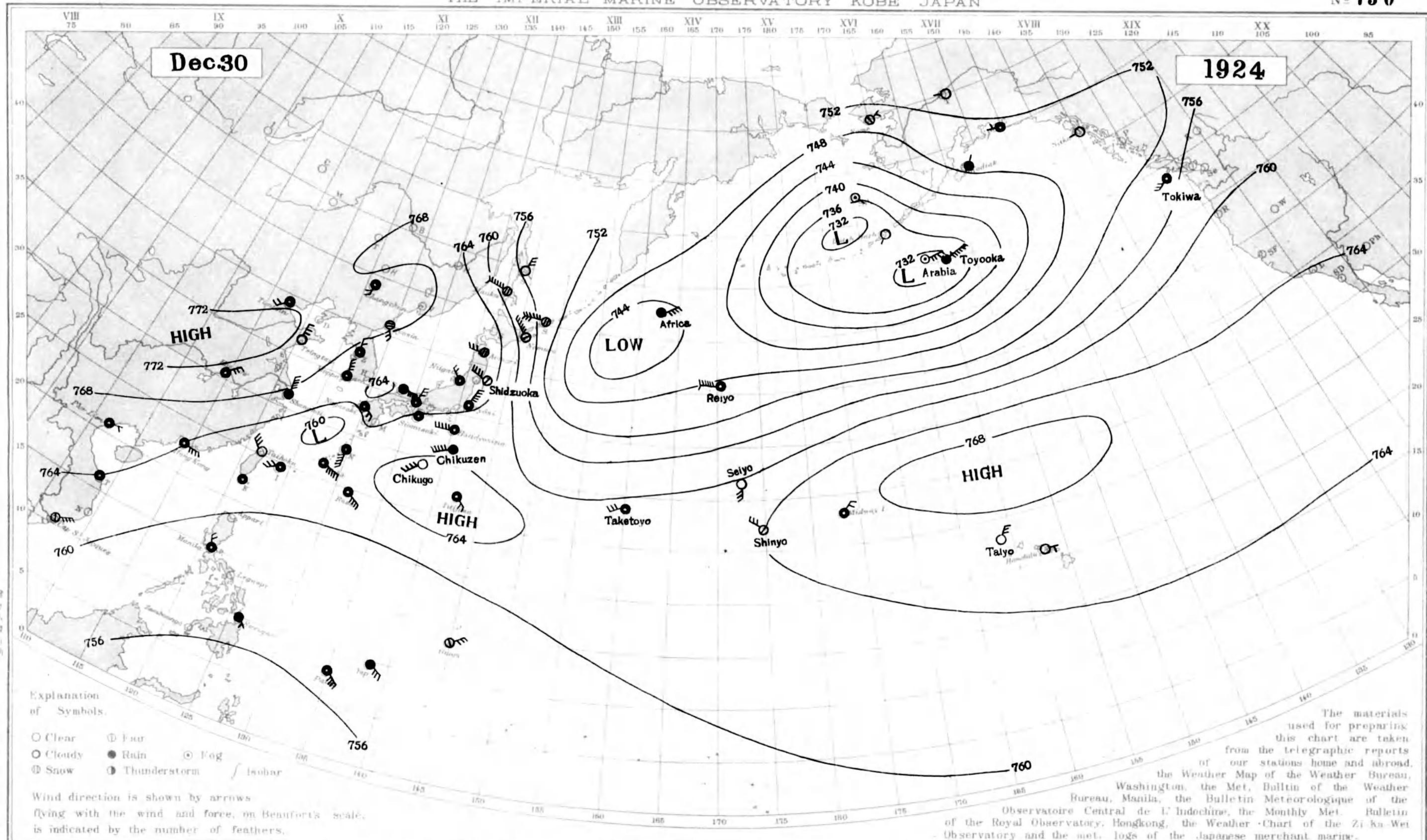
Station	Taihoku 12° 135 E	Naha 12° 135 E	Nagasaki 12° 135 E	Siomaki 12° 135 E	Kobe 12° 135 E	Tyosi 12° 135 E	Hatidyosima 12° 135 E	Titizima 12° 135 E	Niigata 12° 135 E	Aomori 12° 135 E	Nemuro 12° 135 E	Maoka 12° 135 E	Moppo 12° 135 E	Zyosin 12° 135 E	Changchun 12° 135 E	Fientsu 12° 135 E	Tsingtau 12° 135 E
Hour of Observation																	
Atm. Pressure (Red to m.s.l. and Std. Gr. * not reduced to Std. Gr.)	766.0	767.6	767.4	766.0	767.0	761.7	765.1	768.0	763.3	761.5	753.6	753.7	767.0	767.9	774.0	775.6	772.0
Air Temperature (in C)	19.0	20.3	13.4	14.9	6.6	8.6	4.2	19.5	7.8	3.7	2.7	-4.4	5.6	2.1	-13.8	1.2	1.5
Direction and Force of Winds (0-12)	ENE 1	NE 2	S 3	W 3	calm	NW 4	WNW 4	calm	RNW 5	N 6	NW 4	NNW 4	N 4	S 3	W 2	SSW 2	N 6
Weather	cloudy	cloudy	rain	cloudy	cloudy	cloudy	cloudy	cloudy	rain	cloudy	fair	snow	rain	cloudy	clear	cloudy	cloudy
Station	Shanghai 12° 135 E	Hankow 12° 135 E	Rosa 12° 135 E	Palau 12° 135 E	Hongkong 14°	Manila 14°	Surigao 14°	Guam 14°	Yap 14°	Phi-Lien 10°	Cap-S-Jacques 10°	Honolulu 20°	Midway I. 19° 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 m.s.l. and Std. Gr. * not reduced to Std. Gr.)	768.0	768.7	766.9	757.4	764.9	761.4	758.5	760.5	759.7	766.0	763.3	765.5	760.0	751.3	751.3	738.1	748.8
Air Temperature (in C)	10.8	8.4	20.4	29.3	20.	27.	25.	-	-	20.	25.	23.	21.	-18.	4.	4.	3.
Direction and Force of Winds (0-12)	NNE 3	NE 3	SSE 4	ESE 4	E 4	WNW 1	NNW 3	NE 3	ENE 3	E 3	E 4	NE 1	SW 4	calm	E -	calm	NE -
Weather	clear	cloudy	cloudy	cloudy	cloudy	cloudy	cloudy	cloudy	fair	cloudy	clear	clear	cloudy	clear	clear	cloudy	rain

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 730



Explanation of Symbols.

- Clear
- ☁ Cloudy
- ⊙ Snow
- ⊙ 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.

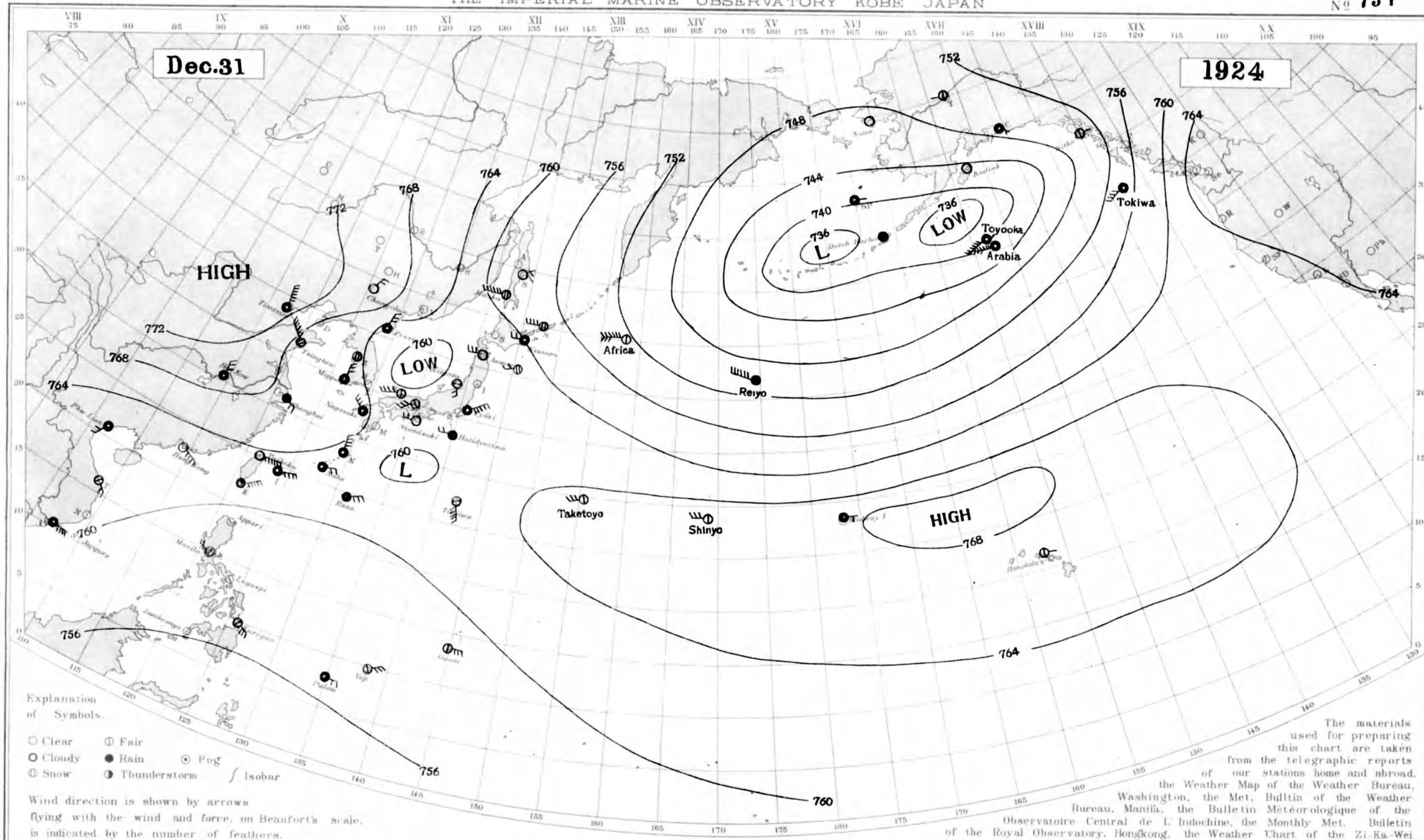
The materials used for preparing this chart are taken from the telegraphic reports of our stations home and abroad, the Weather Map of the Weather Bureau, Washington, the Met. Bulletin of the Weather Bureau, Manila, the Bulletin Meteorologique of the Observatoire Central de l'Indochine, the Monthly Met. 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	Siemtsuki	Kobe	Tyosi	Hatidyosima	Titiyima	Niigata	Aomori	Nenuro	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 Surd Gr)	765.3	763.6	764.1	763.5	764.8	764.1	763.7	767.0	767.4	766.7	759.8	758.5	765.5	769.9	769.3	769.7	769.8
Air Temperature (in C)	20.2	21.7	14.6	15.6	8.9	6.0	17.4	20.6	5.3	-1.0	-5.0	-9.8	4.0	-2.8	-12.3	0.2	0.1
Direction and Force of Winds (0-12)	WNW 3	ESE 5	SE 2	calm	NNE 3	NNE 5	W 5	SE 2	NW 2	W 3	NW 6	WNW 7	N 4	SSE 2	SSW 2	SW 2	N 4
Weather	clear	cloudy	cloudy	cloudy	cloudy	cloudy	cloudy	cloudy	cloudy	cloudy	fair	snow	cloudy	snow	cloudy	cloudy	clear
Station	Shanghai	Hankow	Rosa	Palau	Hongkong	Manila	Surigao	Guam	Yap	Phi Lien	Cap St Jacques	Honolulu	Midway I.	Nome	Sika	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 , 135 W	20 ^h , 135 W	20 ^h , 135 W	20 ^h , 135 W	20 ^h , 135 W
Atm. Pressure (Red to m.s.l. and Surd Gr)	767.8	771.8	763.3	757.6	764.0	760.6	759.0	760.3	760.2	766.2	763.5	765.5	767.6	749.3	748.3	733.5	748.3
Air Temperature (in C)	7.6	8.4	24.6	29.0	21.	26.	24.	-	-	21.	24.	22.	17.	-7.	4.	3.	3.
Direction and Force of Winds (0-12)	N 5	NE 3	SE 4	SE 4	E 4	NNW 2	SE 1	NE 3	ESE 3	ENE 1	ENE 4	E 1	NE 2	NE 1	W -	SW -	NE -
Weather	rain	cloudy	cloudy	cloudy	cloudy	cloudy	rain	fair	rain	cloudy	fair	clear	cloudy	fair	clear	clear	rain

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

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

No 731



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	Siomasaki	Kobe	Tyosi	Hatidyosma	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.)	763.5	762.7	764.1	760.9	761.7	761.5	761.9	763.4	762.8	761.9	760.0	758.0	764.6	763.5	771.4	773.5	767.2
Air Temperature (in C)	22.0	22.0	10.0	18.1	13.2	2.6	14.4	22.3	5.4	3.3	-2.0	-8.4	5.2	-2.1	-19.5	-4.1	-0.8
Direction and Force of Winds (0-12)	E 6	ENE 2	NW 2	N 2	SW 3	NE 5	W 2	SSE 5	SSE 2	W 3	W 2	N 6	N 3	NNE 3	NNE 2	N 6	NW 6
Weather	cloudy	cloudy	cloudy	clear	fair	cloudy	rain	fair	fair	clear	cloudy	snow	cloudy	cloudy	clear	cloudy	snow
Station	Shanghai	Hankow	Rasa	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.)	766.1	770.2	762.1	757.9	763.7	* 758.7	* 758.5	* 759.5	* 759.3	* 764.4	* 762.8	765.5	767.6	746.8	751.3	736.6	743.2
Air Temperature (in C)	7.4	4.3	22.4	23.5	7.3	30.	28.	-	-	21.	24.	23.	17.	8.	4.	3.	4.
Direction and Force of Winds (0-12)	ESE 2	N 3	ENE 3	E 2	ESE 4	WNW 2	ESE 3	E 3	ENE 3	SSW 2	E 4	E 1	S 1	calm	E -	calm	-
Weather	rain	cloudy	rain	cloudy	clear	fair	fair	fair	fair	cloudy	cloudy	fair	cloudy	clear	fair	rain	-

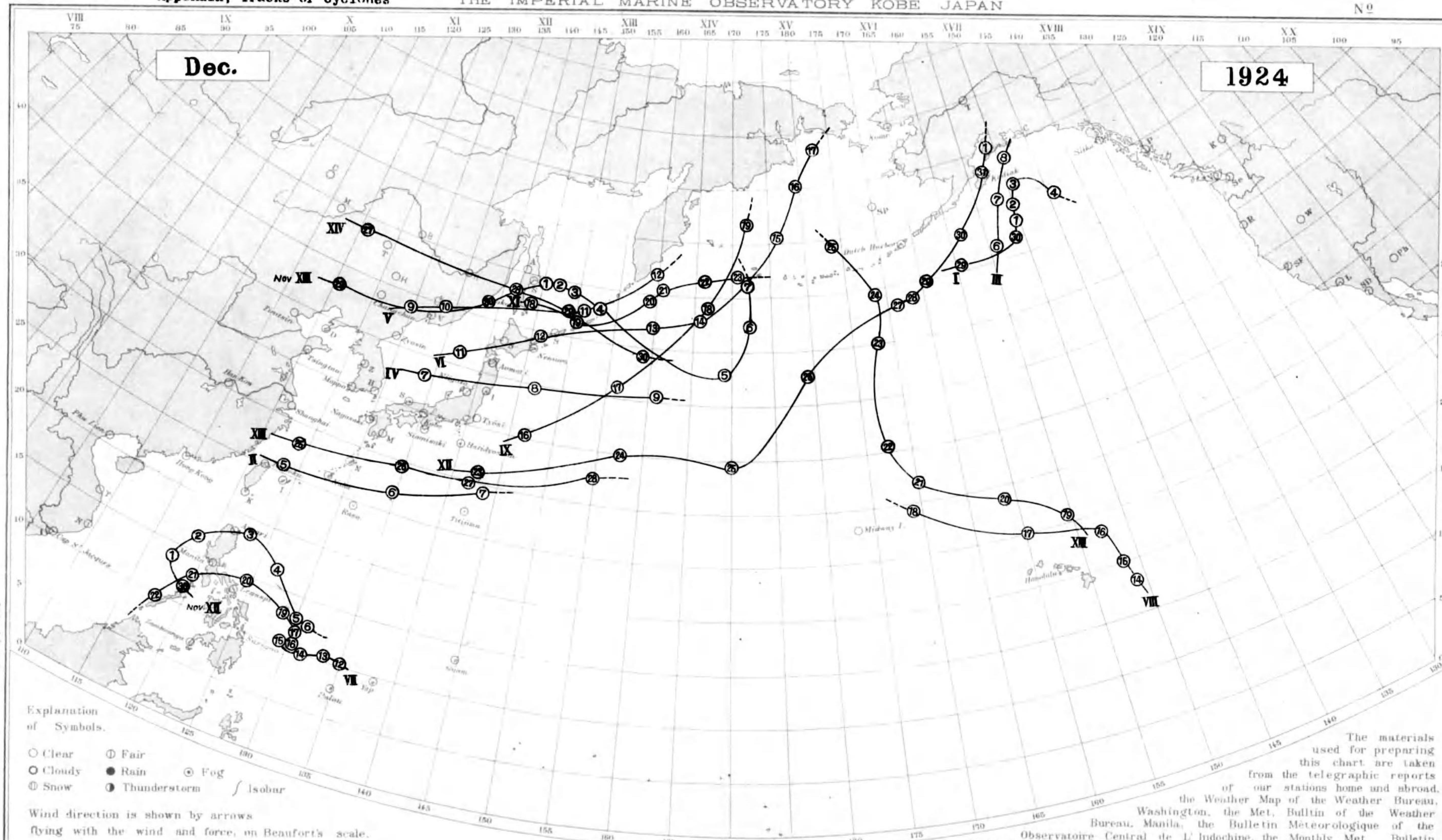
DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No. 2

Appendix; Tracks of Cyclones



海
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學

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	Daihoku	Naha	Nagasaki	Simsaki	Kobe	Tyosi	Hatidyosima	Tilizima	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.)																	
Air Temperature (in C)																	
Direction and Force of Winds (0-12)																	
Weather																	
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	14 : 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.)						*	*	*	*	*	*						
Air Temperature (in C)																	
Direction and Force of Winds (0-12)																	
Weather																	

不許複製

印刷所
海洋氣象臺

神戸市中山手通七丁目

印刷者
海洋氣象臺

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