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北太平洋天氣圖

大正三十一年十一月

神戶

海天氣象臺

DAILY WEATHER CHARTS

OF THE

NORTH PACIFIC OCEAN.

NOVEMBER

1924



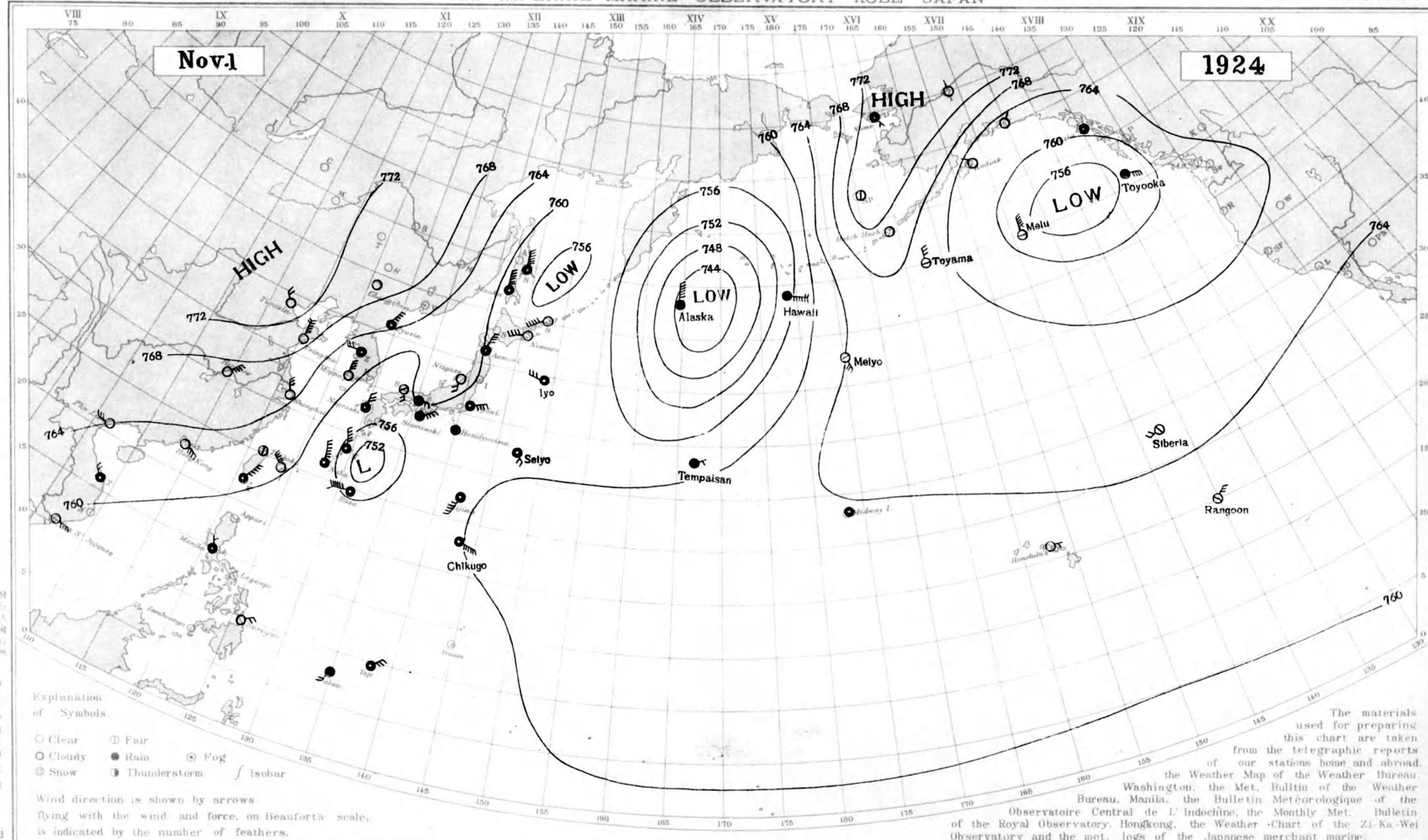
THE IMPERIAL MARINE OBSERVATORY,
KOBE, JAPAN.

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 671



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.

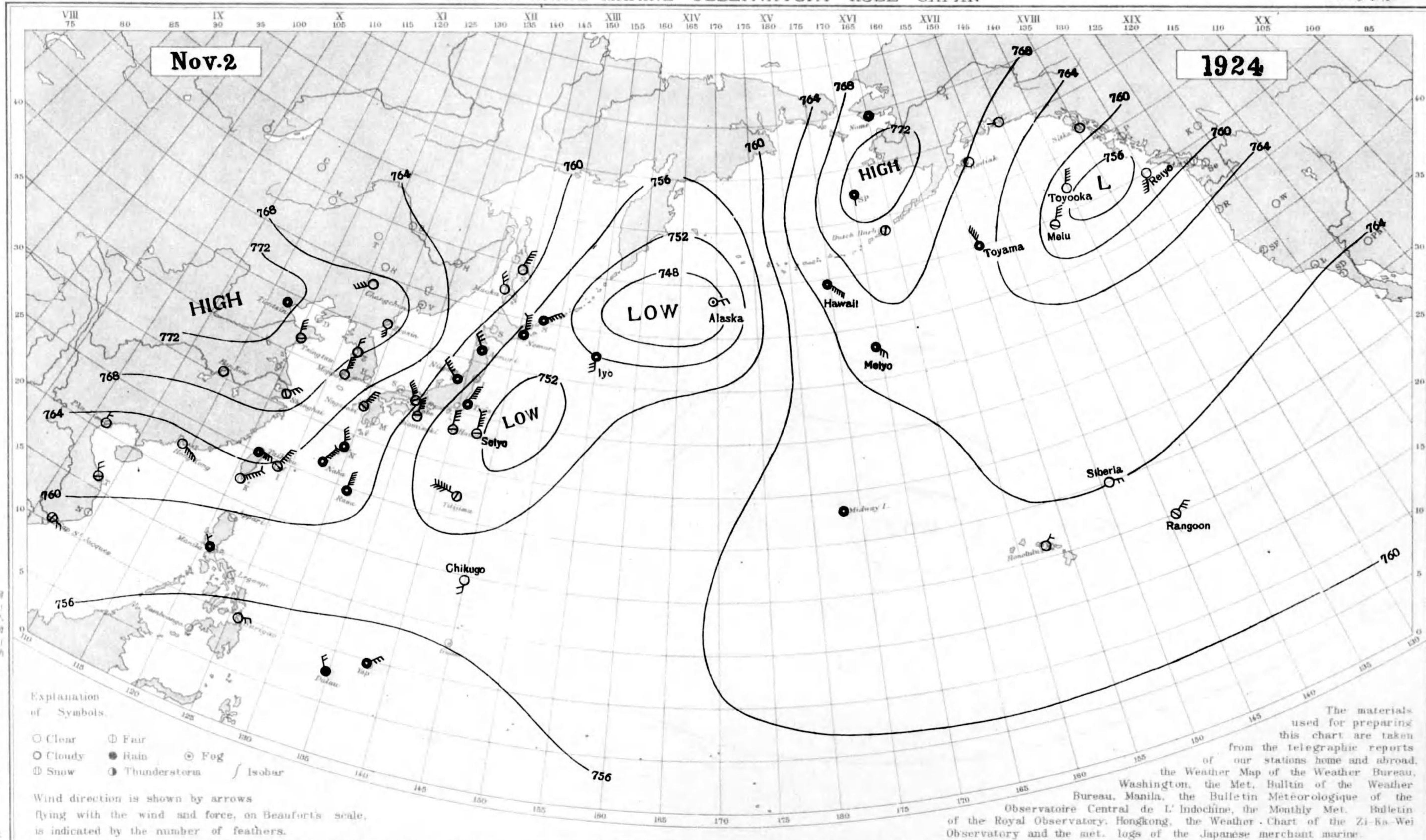
Station	Taihoku	Naha	Nagasaki	Siemtsuki	Kobe	Tyosi	Hatidyosima	Titizima	Niigata	Aomori	Nemuro	Maaka	Moppo	Zyosin	Changchun	Tientsin	Tsingtau
Hour of Observation	12 ^h , 135 ^E	12 ^h , 135 ^E	12 ^h , 135 ^E	12 ^h , 135 ^E	12 ^h , 135 ^E	12 ^h , 135 ^E	12 ^h , 135 ^E	12 ^h , 135 ^E	12 ^h , 135 ^E	12 ^h , 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 Std. Gr.)	763.4	757.0	759.1	758.8	760.1	759.8	759.2	759.5	760.3	758.6	757.6	759.2	762.5	764.8	770.2	773.8	768.7
Air Temperature (in C)	15.0	26.4	10.9	17.5	15.9	17.0	17.6	26.8	18.3	21.1	17.3	3.6	21.1	7.6	0.8	8.5	9.7
Direction and Force of Winds (0-12)	calm	NNW 6	NNE 3	NE 4	E 2	NNE 4	calm	SSW 5	S 2	NNE 4	WSW 4	N 6	N 4	NNE 4	calm	NW 2	N 8
Weather	fair	cloudy	cloudy	rain	rain	cloudy	rain	cloudy	clear	cloudy	clear	cloudy	clear	cloudy	clear	clear	clear
Station	Shanghai	Hankow	Rosa	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.)	765.0	767.5	755.5	756.8	762.2	759.7	758.1	-	757.4	765.5	760.8	762.5	763.5	772.2	760.5	771.1	763.0
Air Temperature (in C)	22.4	18.5	26.6	27.7	26.	29.	31.	-	-	26.	27.	24.	20.	0.	6.	2.	3.
Direction and Force of Winds (0-12)	NNW 3	NE 4	W 7	SSW 2	ESE 4	NNW 1	ENE 2	-	NE 3	WNW 3	E 4	E 1	calm	SE 1	calm	calm	NW 2
Weather	clear	clear	cloudy	rain	clear	cloudy	clear	-	clear	clear	fair	clear	cloudy	cloudy	cloudy	clear	clear

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 672



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.

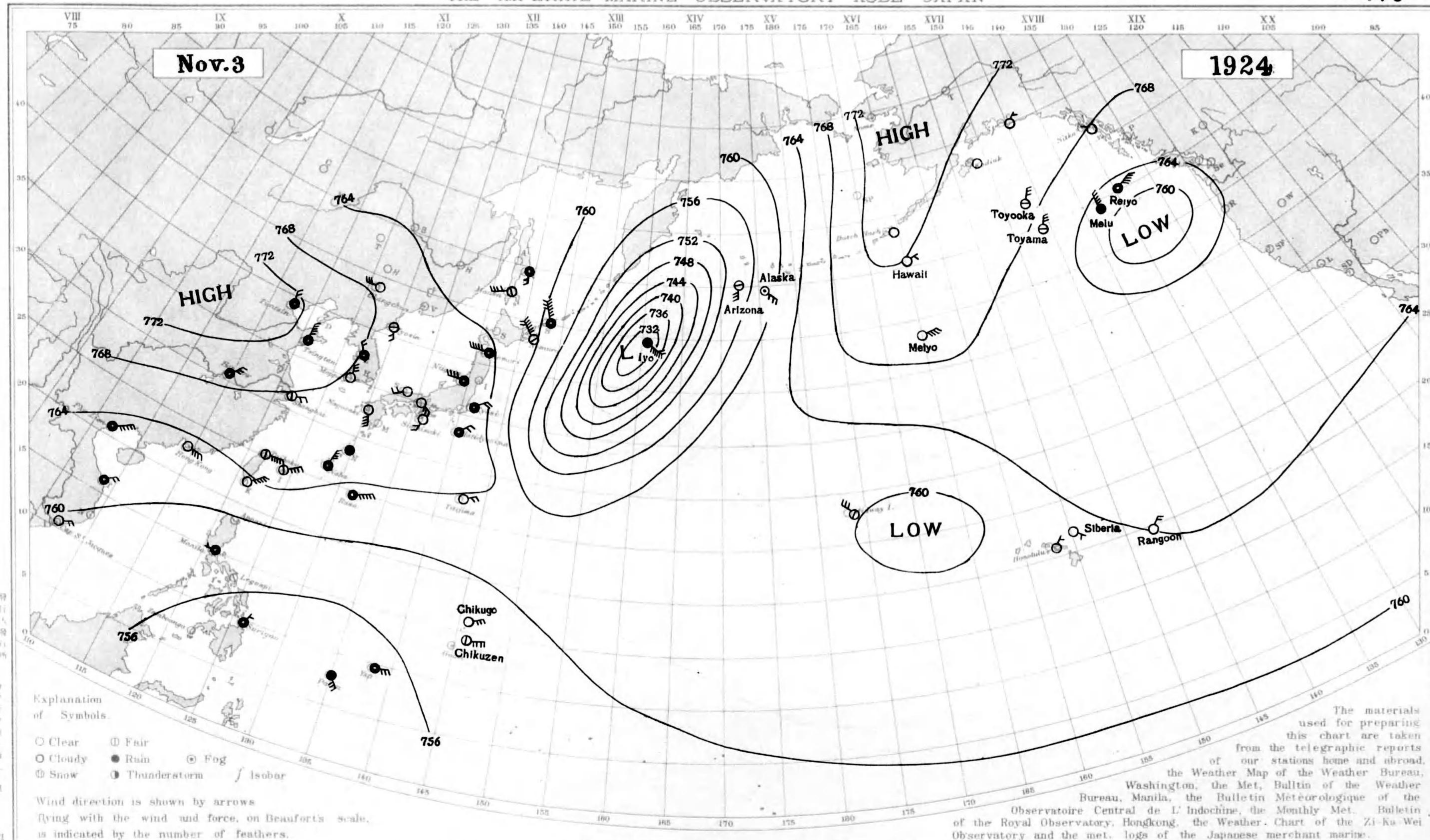
Station	Taihoku	Naha	Nagasaki	Siomiaki	Kobe	Tyosai	Hatidyosima	Titiizima	Niigata	Aomori	Nemuro	Maoka	Moppo	Zyosin	Changchun	Pientsin	Tsingtau
Hour of Observation	12 ^h , 135 ^E	12 ^h , 135 ^E	12 ^h , 135 ^E	12 ^h , 135 ^E	12 ^h , 135 ^E	12 ^h , 135 ^E	12 ^h , 135 ^E	12 ^h , 135 ^E	12 ^h , 135 ^E	12 ^h , 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	762.9	763.4	757.7	760.6	752.3	754.2	755.2	758.9	757.0	755.3	762.1	766.9	769.1	769.3	772.2	770.9
Air Temperature (in C)	23.1	22.6	18.7	19.8	15.6	17.2	20.4	25.7	13.8	9.6	6.2	24.	15.0	6.6	1.8	6.6	3.8
Direction and Force of Winds (0-12)	E 4	NNE 7	NNE 5	NNW 5	NW 7	NNE 6	N 4	WNW 10	NW 6	NNW 3	N 7	NNW 3	N 4	S 3	SW 4	calm	NW 4
Weather	cloudy	cloudy	fair	fair	fair	cloudy	fair	fair	cloudy	cloudy	cloudy	clear	clear	clear	clear	cloudy	fair
Station	Shanghai	Hankow	Rasa	Palau	Hongkong	Manila	Surigao	Guam	Yap	Phu-Lien	Cap S. Jacques	Honolulu	Midway I.	Nome	Suka	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	12 ^h , 135 ^E
Atm. Pressure (Red to m.s.l. and Std. Gr.)	769.3	768.2	760.7	755.5	763.4	758.2	757.0	-	756.3	765.3	761.0	763.0	761.5	771.1	761.0	771.1	768.0
Air Temperature (in C)	16.8	17.7	25.1	25.4	24.	29.	31.	-	-	25.	28.	23.	21.	0.	1.	2.	4.
Direction and Force of Winds (0-12)	NE 3	NE 3	N 6	NW 2	ESE 4	NW 1	ENE 2	-	NE 3	N 1	E 2	NE 1	calm	calm	calm	calm	calm
Weather	fair	clear	cloudy	rain	clear	cloudy	clear	-	cloudy	clear	fair	clear	cloudy	cloudy	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 673



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.

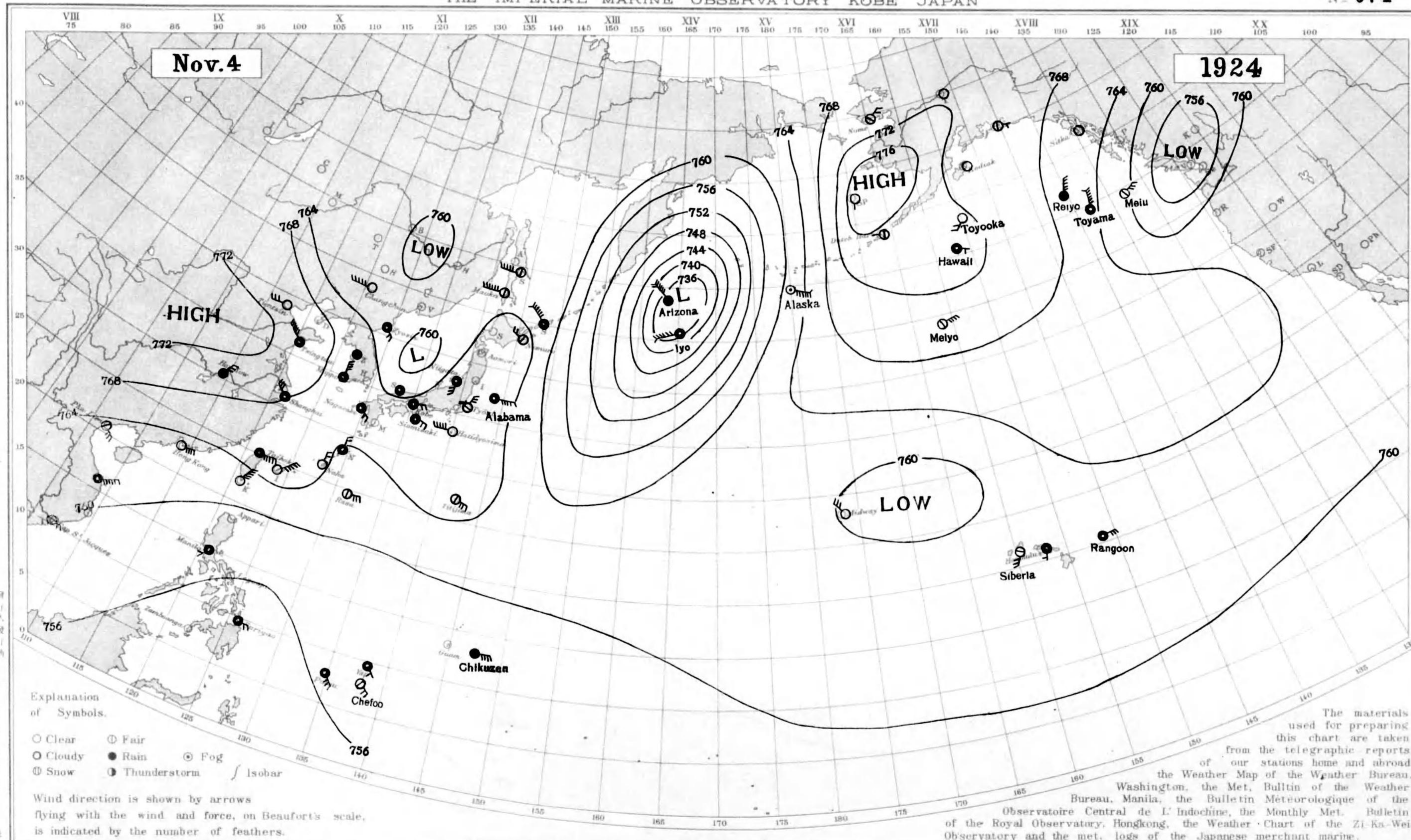
Station	Tsukuba	Naha	Nagasaki	Somiwaki	Kobe	Tyosai	Hatidyosima	Titizima	Niigata	Aomori	Nemuro	Maoka	Moppo	Zyosin	Changchun	Tientsin	Tsingtau
Hour of Observation	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	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. * not reduced to Std. Gr.)	764.6	764.5	766.6	765.8	767.0	765.9	764.9	763.6	766.8	764.4	760.3	760.3	767.2	766.5	767.6	772.1	770.4
Air Temperature (in C)	25.2	23.6	16.7	16.3	14.4	13.4	20.4	26.2	12.6	10.1	5.2	3.0	16.3	9.8	3.4	9.2	8.8
Direction and Force of Winds (0-12)	E 5	NNE 4	SSE 4	SSW 2	SE 3	NE 2	NE 2	ENE 2	W 4	W 5	NW 8	WSW 4	N 3	SSE 2	W 3	N 2	N 5
Weather	fair	cloudy	clear	clear	clear	cloudy	cloudy	clear	cloudy	cloudy	fair	fair	clear	fair	clear	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	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.)	767.8	768.2	763.5	755.2	763.4	758.0	756.6	-	757.4	765.1	760.5	762.0	760.5	-	768.0	773.2	770.1
Air Temperature (in C)	18.1	16.4	24.4	28.0	24.	29.	27.	-	-	25.	29.	23.	22.	-	0.	2.	2.
Direction and Force of Winds (0-12)	ENE 2	NE 3	ENE 5	SE 3	E 4	W 1	NNE 1	-	E 3	ENE 5	ENE 2	NE 1	NW 3	-	NW -	calm	calm
Weather	fair	cloudy	cloudy	rain	clear	cloudy	cloudy	-	cloudy	cloudy	clear	clear	fair	-	clear	calm	clear

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 674



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.

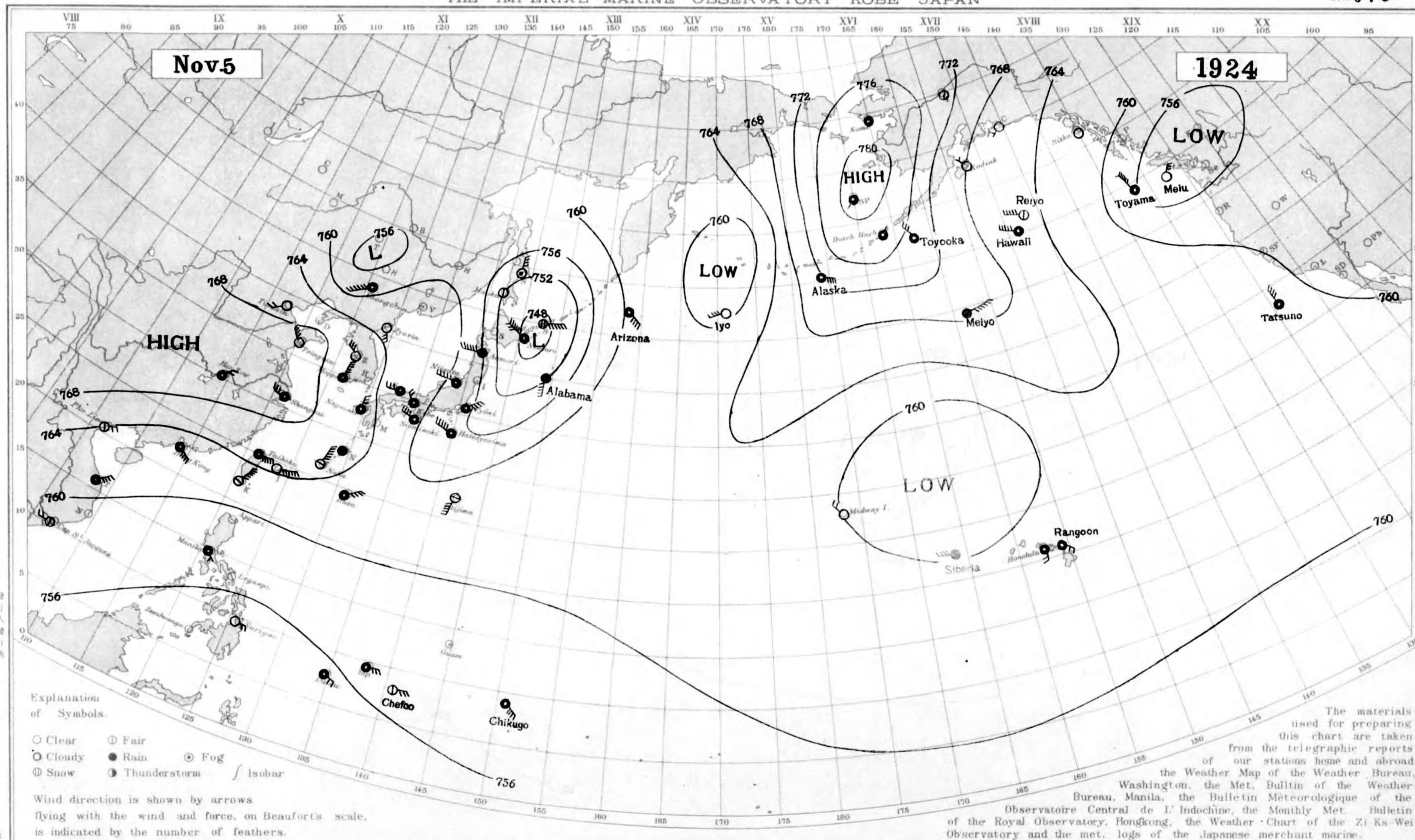
Station	Taihoku	Naha	Nagasaki	Siomisaki	Kobe	Tyosi	Hatidyosima	Titi zima	Niigata	Aomori	Nemuro	Maoka	Moppo	Zyosin	Changchun	Tientsin	Tsingtau
Hour of Observation	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	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 (* not reduced to Srd Gr.)	764.7	764.2	764.9	764.9	764.8	765.0	765.6	764.8	765.5	-	764.7	762.9	766.3	763.7	762.6	770.8	769.5
Air Temperature (in C)	24.6	26.1	19.4	19.4	16.8	16.5	21.8	27.6	12.2	-	8.5	4.1	11.2	9.5	2.3	11.0	12.0
Direction and Force of Winds (0-12)	E 5	N 2	SE 2	ESE 2	E 2	NNE 3	W 5	ESE 3	S 3	-	WNW 2	W 6	N 4	SE 2	W 5	W 3	NW 6
Weather	cloudy	clear	cloudy	cloudy	cloudy	fair	clear	fair	cloudy	-	fair	fair	cloudy	cloudy	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 (* not reduced to Srd Gr.)	768.0	771.1	763.4	756.3	763.4	* 758.8	* 756.4	-	* 758.1	* 765.5	* 760.4	* 762.0	* 759.5	770.1	767.1	775.2	770.1
Air Temperature (in C)	17.2	8.4	26.6	30.3	24.	29.	29.	-	-	27.	28.	24.	22.	- 3.	0.	2.	2.
Direction and Force of Winds (0-12)	NW 3	NNE 3	E 3	SE 3	E 4	SSW 1	E 2	-	SE 1	ESE 3	E 2	S 1	NW 3	NE 2	calm	calm	calm
Weather	cloudy	rain	fair	cloudy	clear	cloudy	cloudy	-	cloudy	fair	clear	cloudy	clear	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 675



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.

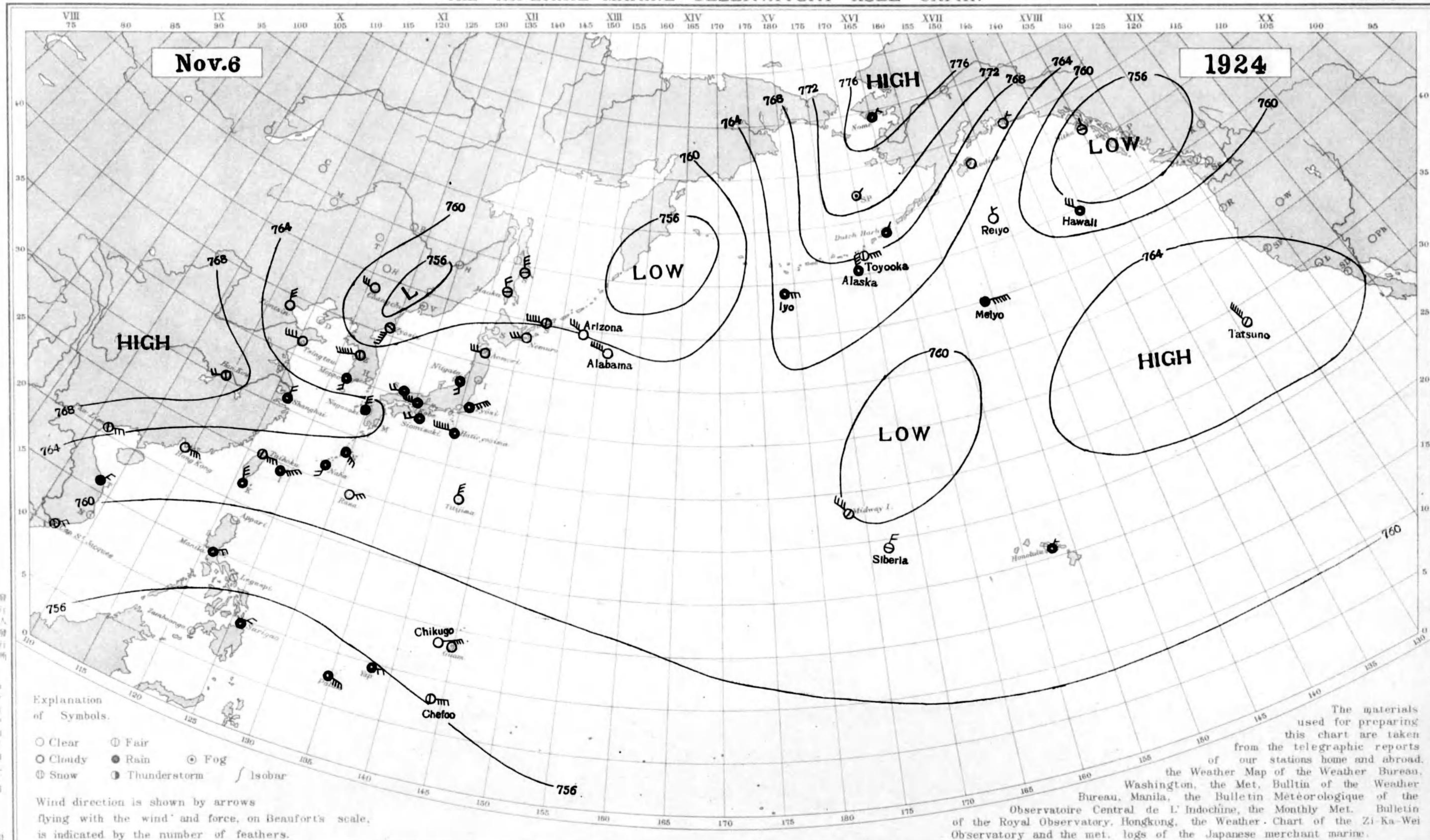
Station	Tsuhoku	Naha	Nagasaki	Siomotsuki	Kobe	Tyosui	Hatidyosima	Titizima	Niigata	Aomori	Nemuro	Maoka	Moppo	Zyosin	Changchun	Tientsin	Tsingtau
Hour of Observation	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 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.)	765.7	764.5	765.4	760.2	762.3	756.2	758.8	761.6	759.7	756.1	747.9	752.0	766.4	762.5	758.1	767.1	769.5
Air Temperature (in C)	21.5	24.6	14.7	19.0	13.9	17.2	19.5	27.6	13.0	8.2	6.7	3.6	13.4	8.0	3.0	12.6	9.6
Direction and Force of Winds (0-12)	E 5	NNE 6	N 3	WNW 4	NW 2	NE 4	WNW 5	SSW 5	W 5	W 6	NW 9	calm	N 5	SSE 3	SW 6	SW 2	NW 4
Weather	cloudy	fair	cloudy	cloudy	cloudy	cloudy	cloudy	fair	cloudy	rain	cloudy	fair	cloudy	clear	cloudy	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 Std. Gr.)	769.2	770.7	763.0	755.9	763.4	758.4	756.4	-	757.6	765.7	760.4	761.0	760.0	773.2	762.0	777.7	768.0
Air Temperature (in C)	13.9	10.3	26.8	29.7	25.	29.	31.	-	-	25.	27.	24.	22.	0.	2.	1.	11.
Direction and Force of Winds (0-12)	WNW 3	NE 2	NE 4	ESE 2	ESE 4	SE 1	E 2	-	E 3	ENE 2	W 2	S 2	NW 2	calm	calm	NE -	NW 1
Weather	cloudy	cloudy	cloudy	cloudy	cloudy	cloudy	clear	-	cloudy	fair	fair	cloudy	clear	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

No 676



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.

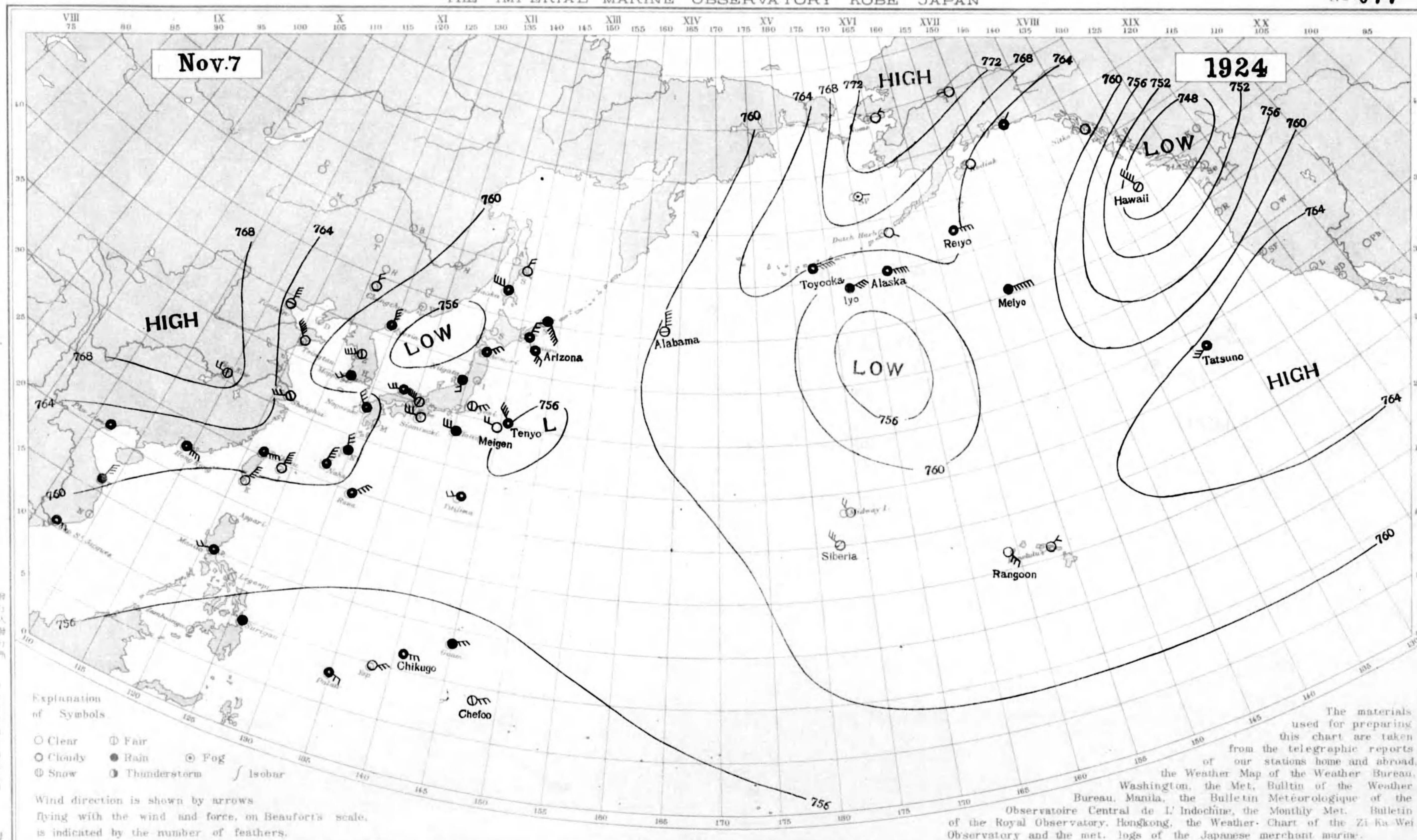
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Station	Taihoku	Naha	Nagasaki	Siomi saki	Kobe	Tyosi	Hatidyosima	Titizima	Niigata	Aomori	Nemuro	Maoka	Moppo	Zyosin	Changchun	Tientsin	Tsingtau
Hour of Observation	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^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.)*	763.4	763.1	764.8	762.7	763.2	761.6	761.6	762.8	761.9	760.9	760.4	758.5	763.0	756.9	757.8	762.4	762.7
Air Temperature (in C)	25.5	24.9	11.0	15.9	14.1	15.6	18.6	25.6	13.2	11.5	8.3	2.0	13.1	10.8	4.2	13.2	14.3
Direction and Force of Winds (0-12)	E 4	S 2	N 3	WSW 2	W 4	NE 5	W 6	N 3	SSE 2	W 3	WSW 3	NNW 2	S 2	SSW 5	WNW 3	NNW 3	W 4
Weather	fair	cloudy	rain	cloudy	cloudy	cloudy	cloudy	clear	cloudy	clear	clear	fair	cloudy	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 : 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.)*	766.3	768.4	762.6	755.6	762.5	758.9	756.4	758.4	757.1	765.9	760.7	761.5	760.0	776.2	754.9	769.6	767.6
Air Temperature (in C)	10.7	13.1	26.4	29.0	26.	32.	-	-	-	26.	26.	24.	21.	- 2.	3.	2.	8.
Direction and Force of Winds (0-12)	N 2	WSW 2	ENE 3	ESE 4	E 4	NE 2	Nk 2	-	E 2	ENE 3	NE 2	NE 1	NW 4	NE 1	N -	NE -	N -
Weather	cloudy	fair	clear	cloudy	clear	cloudy	-	-	-	fair	fair	cloudy	fair	cloudy	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 677



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.

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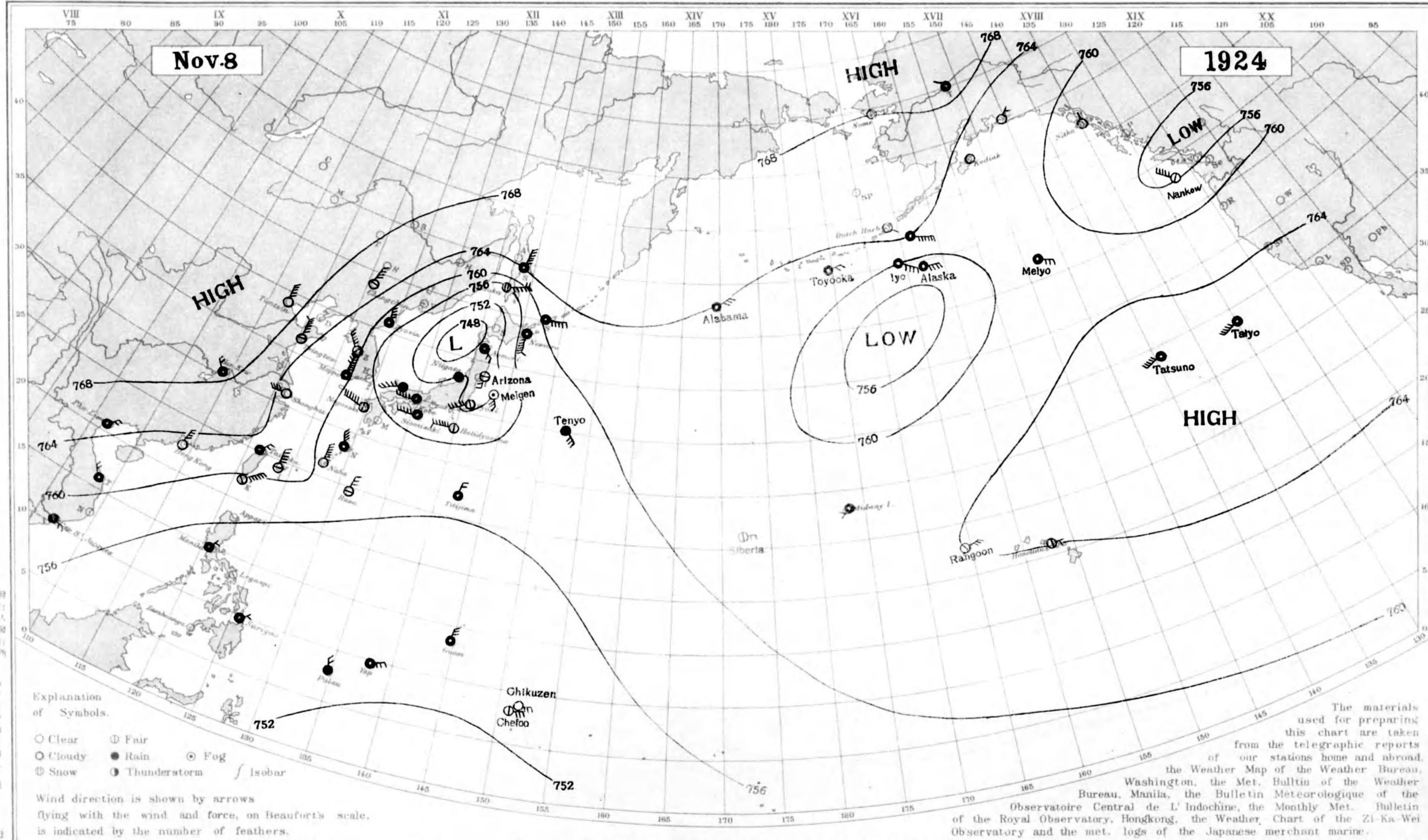
Station	Taihoku 12° 135 E	Naha 12° 135 E	Nagasaki 12° 135 E	Simsaki 12° 135 E	Kobe 12° 135 E	Tyosi 12° 135 E	Hatidyosima 12° 135 E	Titizima 12° 135 E	Niigata 12° 135 E	Aomori 12° 135 E	Nemuro 12° 135 E	Maoka 12° 135 E	Moppo 12° 135 E	Zyosin 12° 135 E	Changchun 12° 135 E	Tientsin 12° 135 E	Tsingtau 12° 135 E
Hour of Observation																	
Atm. Pressure (Red to m.s.l. and Sea Gr. * not reduced to Sea Gr.)	762.4	760.4	760.5	758.8	759.1	757.3	758.7	759.4	757.6	756.9	757.4	759.0	759.7	750.9	761.4	763.8	760.8
Air Temperature (in C)	24.2	24.5	16.8	19.3	16.3	16.7	17.4	27.8	13.9	13.0	9.0	2.4	14.3	6.2	- 4.9	9.0	12.3
Direction and Force of Winds (0-12)	E 4	NNE 4	NW 3	W 3	WNW 5	ENE 3	W 3	WSW 2	SSE 2	NE 3	NNE 3	WNW 4	SW 2	N 4	N 2	N 4	NW 7
Weather	cloudy	cloudy	cloudy	clear	fair	fair	rain	cloudy	rain	cloudy	cloudy	cloudy	rain	cloudy	clear	fair	clear
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
Hour of Observation																	
Atm. Pressure (Red to m.s.l. and Sea Gr. * not reduced to Sea Gr.)	763.5	762.2	759.3	755.2	760.7	758.3	755.3	756.4	756.2	764.2	760.7	762.5	761.5	774.7	762.0	766.1	763.5
Air Temperature (in C)	13.5	16.2	25.0	29.5	26.	30.	25.	-	-	26.	25.	26.	20.	- 3.	- 4.	6.	0.
Direction and Force of Winds (0-12)	WSW 3	W 2	NE 4	ESE 2	ESE 4	WSW 2	calm	ENE 3	ENE 3	calm	E 2	NE 1	NW 2	NE 1	calm	SE -	calm
Weather	fair	fair	cloudy	cloudy	cloudy	cloudy	rain	rain	rain	cloudy	cloudy	clear	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

No 678



Explanation of Symbols.

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

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

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

Station	Taihoku	Naha	Nagasaki	Simsaki	Kobe	Tyosi	Hatdyosima	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.)	763.4	759.5	758.9	753.1	753.4	751.8	753.5	756.9	752.0	749.7	756.4	756.0	760.1	758.3	766.5	768.5	755.4
Air Temperature (in C)	22.6	23.0	11.0	18.5	15.5	20.2	21.2	21.5	10.2	13.8	9.8	3.0	8.0	0.3	- 9.3	7.4	5.2
Direction and Force of Winds (0-12)	NNE 2	N 5	WNW 6	W 5	W 6	SW 5	W 7	NNE 2	SSW 3	SE 2	S 7	ENE 8	N 9	N 5	NNE 4	N 5	N 7
Weather	cloudy	clear	fair	cloudy	cloudy	fair	fair	cloudy	rain	cloudy	cloudy	snow	cloudy	cloudy	fair	clear	fair

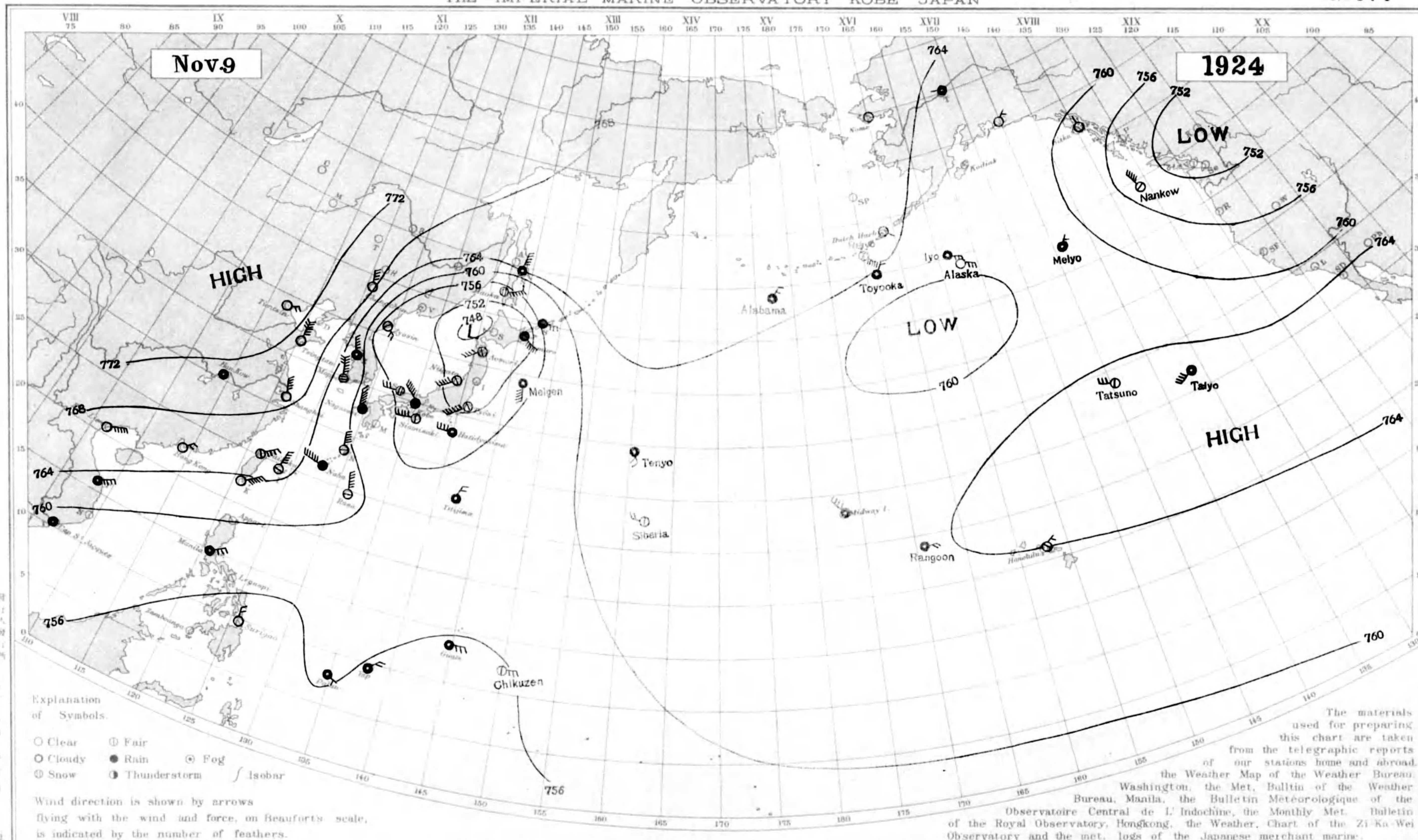
Station	Shanghai	Hankow	Rasa	Palau	Hongkong	Manila	Surigao	Guam	Yap	Phu-Lien	Cap S Jacques	Honolulu	Midway I.	Nome	Sitka	Dutch Harbor	Kodiak
Hour of Observation	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	14 ^h	14 ^h	14 ^h	14 ^h	14 ^h	10 ^h	10 ^h	20 ^h	13 : 30 ^h	20 ^h , 135 W	20 ^h , 135 W	20 ^h , 135 W	20 ^h , 135 W
Atm. Pressure (Red. to m.s.l. and Std. Gr.)	763.2	769.1	758.2	754.7	762.5	756.1	755.4	756.0	755.9	65.3	760.1	764.0	763.0	768.0	757.9	765.5	765.0
Air Temperature (in C)	16.1	16.1	20.7	28.6	24.	28.	30.	-	-	25.	27.	26.	19.	- 7.	- 2.	3.	1.
Direction and Force of Winds (0-12)	W 4	NW 2	NNE 3	NNW 2	NNE 4	NNE 1	NE 1	NNE 3	ENE 3	NE 2	E 2	E 1	SW 1	calm	N -	SE -	calm
Weather	clear	cloudy	fair	rain	clear	cloudy	cloudy	cloudy	cloudy	cloudy	cloudy	fair	cloudy	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

No 679



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.

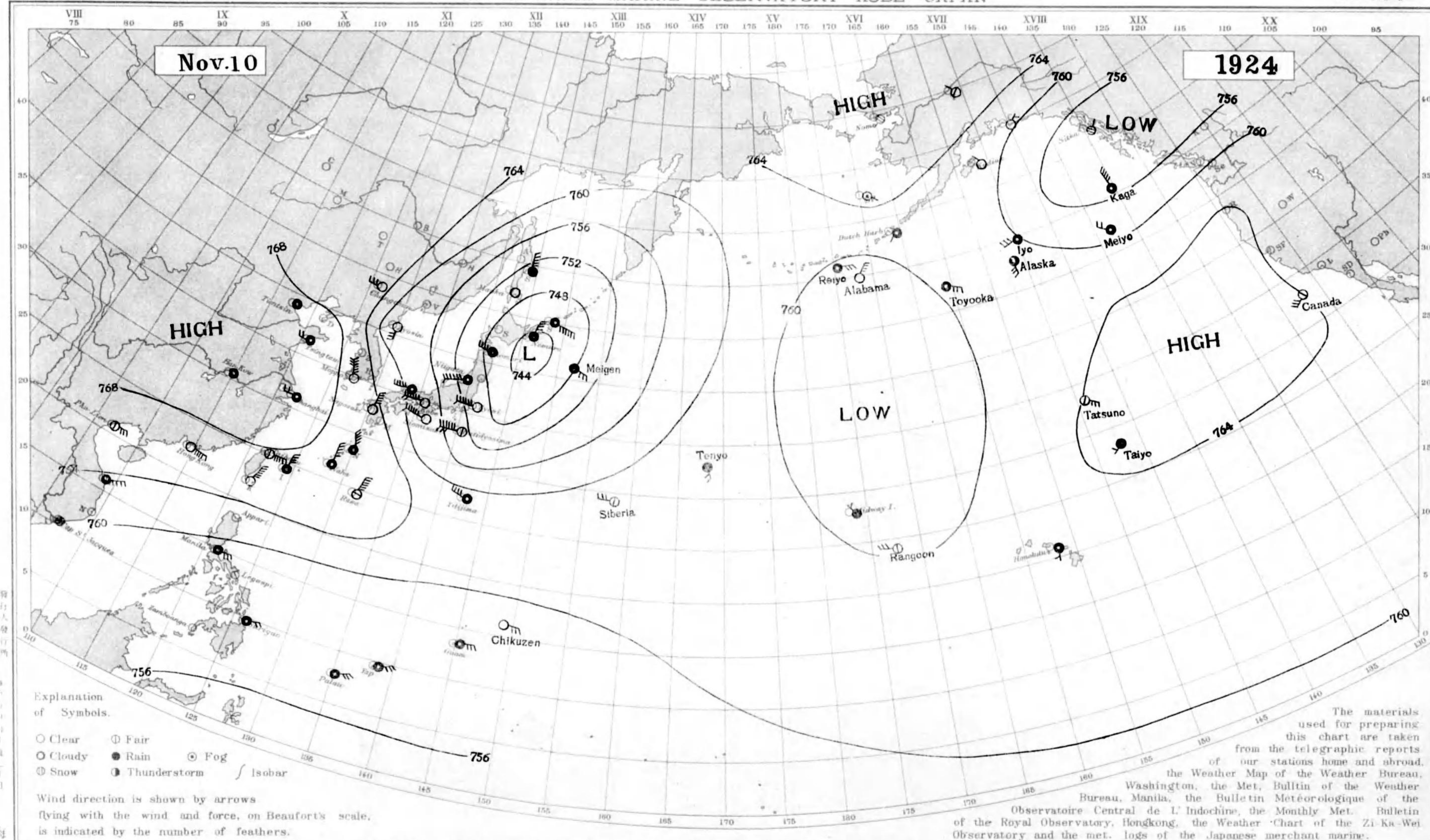
Station	Taihoku	Naha	Nagasaki	Siomi saki	Kobe	Tyosai	Hatidyosima	Titizima	Niigata	Aomori	Nemuro	Maoka	Moppo	Zyosin	Changchun	Tientsin	Tsingtau
Hour of Observation	12 ^h , 135° E	12 ^h , 135° E	12 ^h , 135° E	12 ^h , 135° E	12 ^h , 135° E	12 ^h , 135° E	12 ^h , 135° E	12 ^h , 135° E	12 ^h , 135° E	12 ^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.)	767.0	762.3	758.7	753.1	754.9	751.7	754.1	756.7	751.0	749.7	749.3	754.3	760.5	754.1	768.2	773.8	769.3
Air Temperature (in C)	20.7	19.3	6.1	14.4	6.2	16.6	16.1	23.9	13.3	14.2	11.1	4.4	-0.3	2.9	-8.0	3.8	2.9
Direction and Force of Winds (0-12)	NE 4	WNW 6	WNW 6	W 5	NW 6	SW 6	W 4	NNE 2	SW 5	SW 4	SE 7	ENE 7	NNW 9	SE 2	N 4	NNE 2	N 2
Weather	fair	rain	rain	fair	rain	fair	cloudy	cloudy	fair	fair	rain	rain	snow	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	18:30 ^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	771.7	761.5	756.8	765.5	*758.4	*756.5	*757.4	*757.2	*767.1	*760.7	764.0	761.0	764.5	759.5	765.0	..
Air Temperature (in C)	11.5	14.8	21.8	29.9	23.	29.	30.	-	-	27.	27.	24.	22.	-10.	-2.	2.	-
Direction and Force of Winds (0-12)	NNW 5	calm	NNW 6	ESE 1	NE 2	NE 3	N 2	E 3	NE 2	ENE 5	calm	NE 1	NNW 4	calm	N -	SE -	-
Weather	clear	cloudy	fair	cloudy	clear	cloudy	clear	cloudy	cloudy	clear	cloudy	fair	cloudy	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

No 680



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.

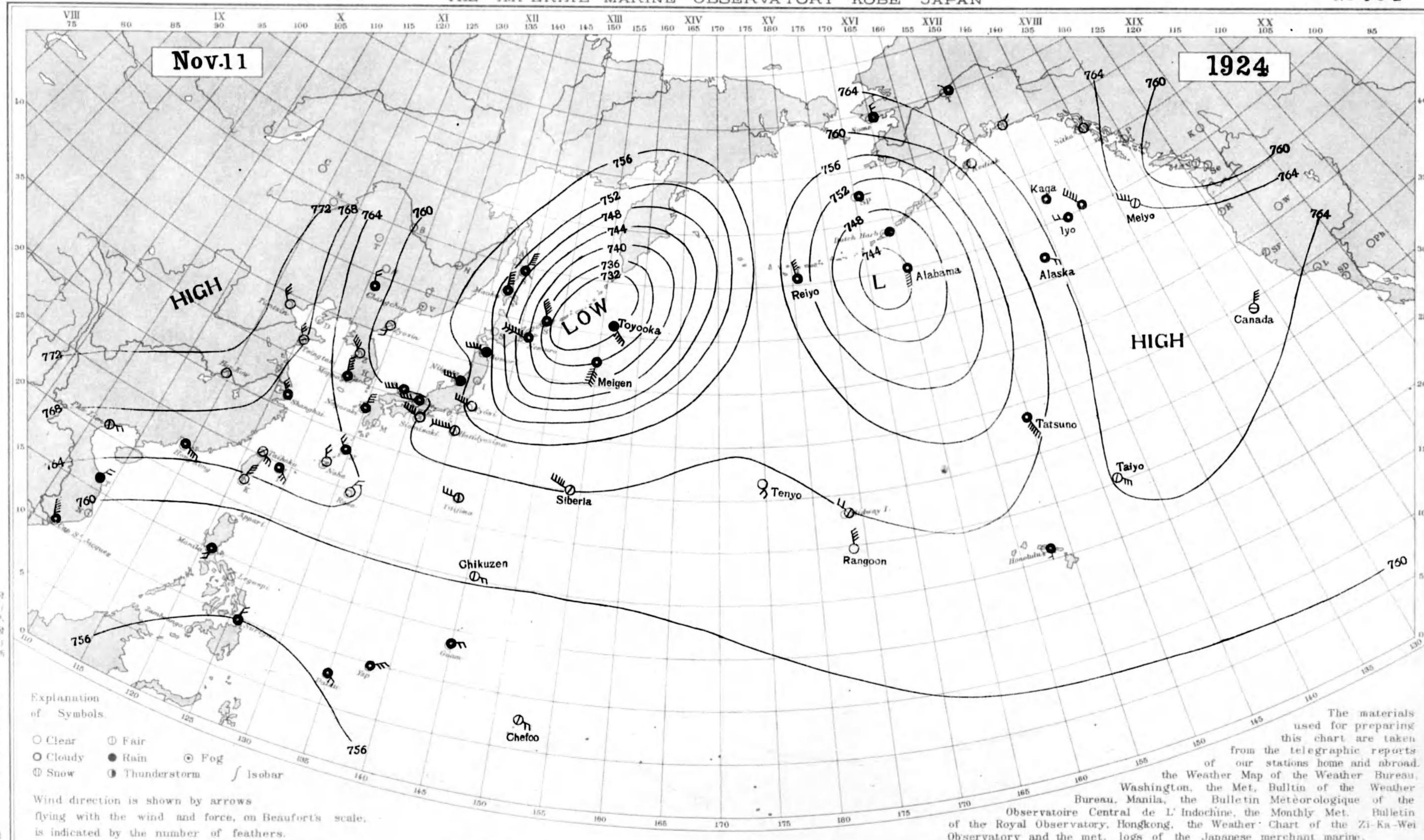
Station	Taihoku	Naha	Nagasaki	Simsaki	Kobe	Tyosi	Hatidyosima	Titizima	Niigata	Aomori	Nemuro	Maoka	Moppo	Zyosin	Changchun	Tientsin	Tsingtau
Hour of Observation	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^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 Strd. Gr.)	767.7	766.4	764.4	757.7	757.7	748.6	754.9	760.2	749.4	745.0	743.8	748.4	766.3	759.7	766.6	768.6	769.9
Air Temperature (in C)	20.7	18.1	12.8	13.5	10.7	13.4	16.5	21.3	10.4	5.6	3.6	7.2	10.7	3.7	-1.3	3.2	6.0
Direction and Force of Winds (0-12)	E 5	N 5	N 5	WNW 7	W 8	W 7	W 9	WNW 4	WSW 7	WNW 4	NNE 4	calm	NNW 9	S 3	W 3	calm	W 2
Weather	fair	cloudy	clear	clear	clear	clear	fair	cloudy	cloudy	rain	rain	clear	clear	clear	clear	cloudy	cloudy
Station	Shanghai	Hankow	Rnsa	Palau	Hongkong	Manila	Surigao	Guam	Yap	Phu-Lien	Cap-S-Jacques	Honolulu	Midway I.	Nome	Siika	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.)	770.6	769.1	765.3	757.3	765.8	759.4	758.2	758.8	758.8	767.0	762.1	762.5	759.5	765.0	754.4	763.0	761.0
Air Temperature (in C)	8.9	14.0	20.5	23.3	20.	29.	30.	-	-	25.	24.	24.	21.	-3.	0.	1.	6.
Direction and Force of Winds (0-12)	W 2	calm	NNE 6	ESE 3	E 5	E 3	ENE 2	E 3	ENE 3	E 3	calm	S 1	NW 1	SW -	NE 1	SW -	NW -
Weather	cloudy	cloudy	fair	cloudy	clear	cloudy	cloudy	cloudy	cloudy	fair	rain	cloudy	rain	snow	snow	cloudy	clear

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 681



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	Siomotsuki	Kobe	Tyosi	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. * not reduced to Std Gr.)	765.2	764.7	763.6	760.0	760.9	755.8	758.9	762.7	757.9	753.7	740.5	748.1	763.5	758.2	760.9	770.7	768.2
Air Temperature (in C)	24.2	21.9	13.0	15.9	12.0	15.8	17.4	22.5	11.6	7.7	6.5	5.3	21.7	7.6	-4.0	8.0	7.3
Direction and Force of Winds (0-12)	ESE 3	NNW 2	N 4	WNW 5	W 4	WNW 5	W 7	W 3	W 4	W 5	WNW 9	N 5	NNW 5	SSW 2	NNW 2	NW 3	NW 3
Weather	fair	clear	cloudy	clear	cloudy	fair	fair	fair	rain	rain	cloudy	cloudy	cloudy	clear	cloudy	clear	fair

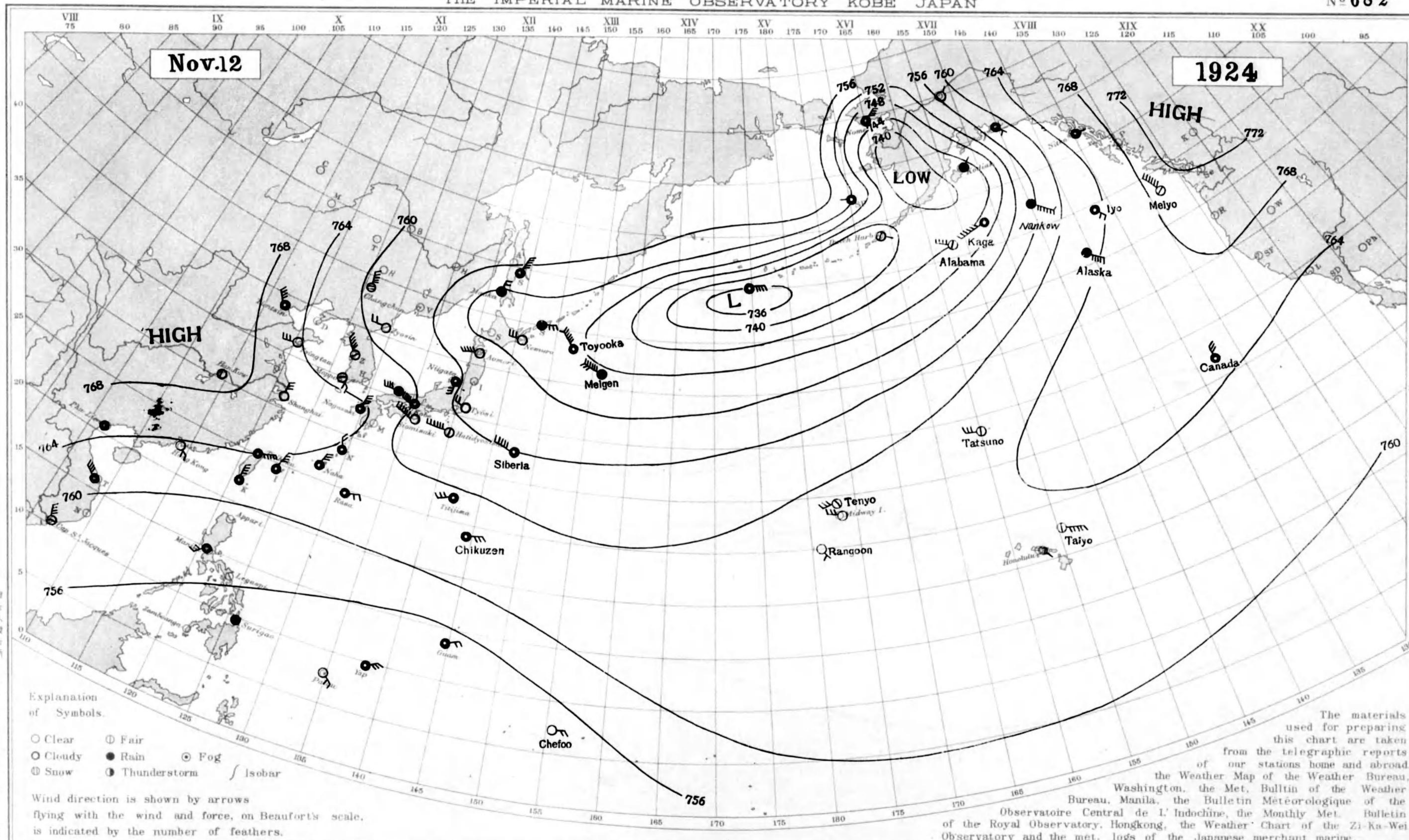
Station	Shanghai	Hankow	Rusa	Palau	Hongkong	Manila	Surigao	Guam	Yap	Phu-Lien	Cap ^s Jacques	Honolulu	Midway I.	Nome	Sitka	Dutch Harbor	Kodiak
Hour of Observation	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	14 ^h	14 ^h	14 ^h	14 ^h	14 ^h	10 ^h	10 ^h	20 ^h	18 : 30 ^h	20 ^h , 135 W	20 ^h , 135 W	20 ^h , 135 W	20 ^h , 135 W
Atm. Pressure (Red to m.s.l. and Std Gr. * not reduced to Std Gr.)	766.4	770.1	764.3	756.4	764.3	* 759.3	* 757.5	* 758.1	* 757.8	* 767.3	* 759.8	761.0	760.0	762.0	764.5	745.2	762.0
Air Temperature (in C)	15.4	14.9	21.6	30.5	25.	28.	27.	-	-	24.	23.	24.	21.	-7.	-3.	1.	-1.
Direction and Force of Winds (0-12)	NW 3	calm	NNE 2	SE 2	ESE 4	S 2	N 2	ENE 2	ENE 3	ENE 2	NNW 6	S 1	NW 2	N 2	N 1	SE -	calm
Weather	cloudy	clear	clear	cloudy	cloudy	cloudy	cloudy	cloudy	cloudy	fair	cloudy	cloudy	fair	cloudy	clear	rain	calm

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 682



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.

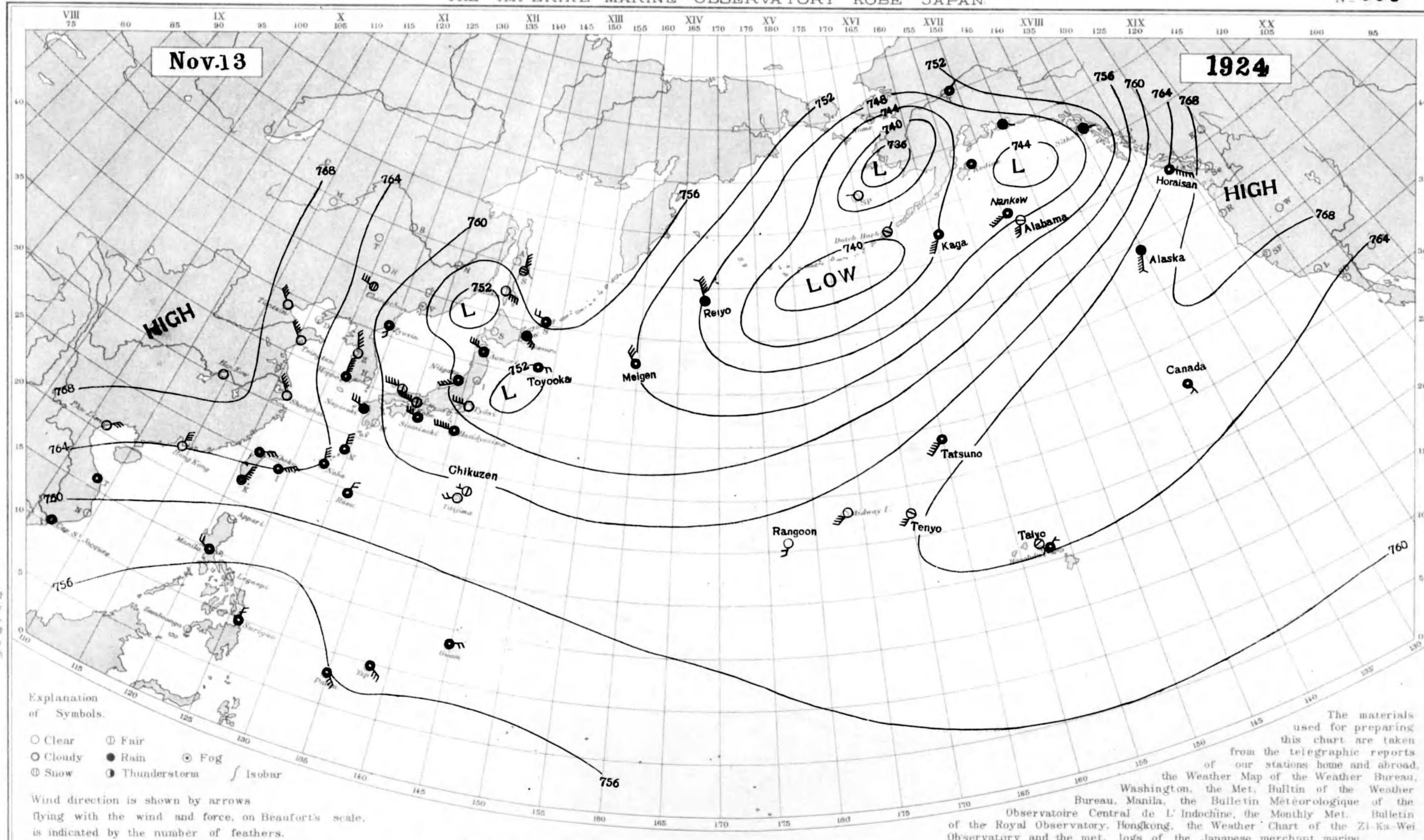
Station	Taihoku	Naha	Nagasaki	Siomaki	Kobe	Tyosii	Hatidyosima	Titizima	Niigata	Aomori	Nemuro	Maoka	Moppo	Zyosin	Changchun	Tientsin	Tsingtau
Hour of Observation	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^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.)	764.7	763.1	766.2	758.6	760.2	755.1	756.9	760.3	756.8	753.9	751.5	751.4	763.4	757.8	759.2	766.2	764.9
Air Temperature (in C)	21.1	21.7	19.4	14.2	10.6	15.8	18.5	24.3	7.3	10.1	9.3	3.9	10.5	5.3	- 2.3	6.6	10.5
Direction and Force of Winds (0-12)	ENE 5	NNW 3	NNE 4	WNW 6	WNW 5	WNW 2	W 7	WSW 3	SSE 3	WSW 5	W 3	NNE 2	SE 2	W 2	N 5	NW 4	WSW 3
Weather	cloudy	cloudy	cloudy	clear	cloudy	clear	fair	cloudy	cloudy	clear	clear	rain	fair	clear	snow	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. * not reduced to Std. Gr.)	766.8	768.6	762.3	755.0	763.1	757.7	756.4	765.7	756.7	766.4	753.3	761.5	761.0	744.2	765.0	737.6	742.2
Air Temperature (in C)	13.2	14.0	23.4	30.5	24.	29.	25.	-	-	23.	25.	24.	21.	- 4.	3.	6.	6.
Direction and Force of Winds (0-12)	N 3	calm	ENE 2	SE 2	SE 2	SW 2	calm	ENE 2	ENE 3	NNE 2	W 4	SE 1	W 3	NE 4	E -	SE -	NE -
Weather	clear	fair	cloudy	clear	clear	cloudy	rain	cloudy	cloudy	cloudy	fair	cloudy	clear	cloudy	cloudy	fair	rain

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 683



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.

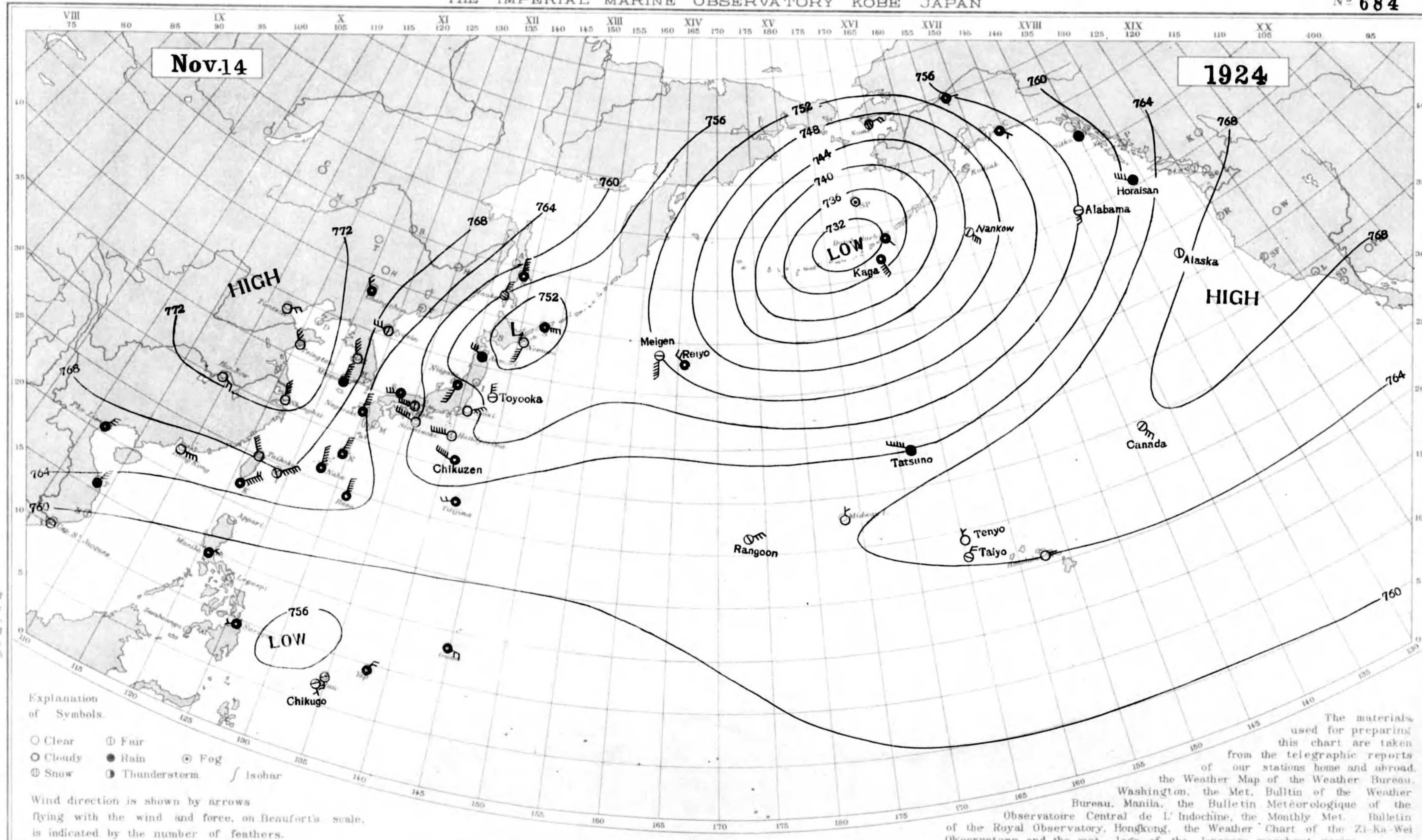
Station	Taihoku	Naha	Nagasaki	Siamisaki	Kobe	Tyosai	Hatidyosima	Titizima	Niigata	Aomori	Nemuro	Maoka	Moppo	Zyosin	Changchun	Tientsin	Tsingtau
Hour of Observation	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	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.)	765.2	764.0	760.7	758.6	758.8	755.0	758.0	760.8	755.2	754.1	755.8	754.4	761.1	757.7	760.4	767.9	765.6
Air Temperature (in C)	21.3	20.4	11.3	14.6	12.4	13.5	14.9	25.5	8.2	7.1	5.8	4.2	9.3	5.0	- 3.0	4.4	5.3
Direction and Force of Winds (0-12)	ENE 3	NNW 3	WNW 3	WNW 3	W 6	W 5	W 6	SW 2	SW 5	WNW 4	SE 3	SE 4	N 6	S 2	WNW 3	NW 4	NW 5
Weather	cloudy	cloudy	cloudy	cloudy	fair	clear	cloudy	clear	cloudy	cloudy	rain	clear	cloudy	cloudy	snow	clear	clear
Station	Shanghai	Hankow	RASA	Palau	Hongkong	Manila	Surigao	Guam	Yap	Phu-Lien	Cap-S-Jacques	Honohulu	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.)	766.2	769.7	762.6	756.0	764.0	* 757.4	* 755.8	* 757.7	* 757.8	* 766.9	* 758.7	764.0	762.0	-	748.3	740.1	745.2
Air Temperature (in C)	4.9	16.5	22.8	29.5	26.	30.	29.	-	-	23.	24.	22.	22.	-	7.	4.	2.
Direction and Force of Winds (0-12)	NW 5	calm	NNE 2	SE 3	N 4	WNW 2	NNE 2	ENE 2	SE 3	NE 3	N 4	NE 1	SW 4	-	E -	NE -	calm
Weather	clear	clear	cloudy	cloudy	clear	cloudy	cloudy	cloudy	cloudy	clear	cloudy	cloudy	clear	-	rain	fair	cloudy

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 684



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.

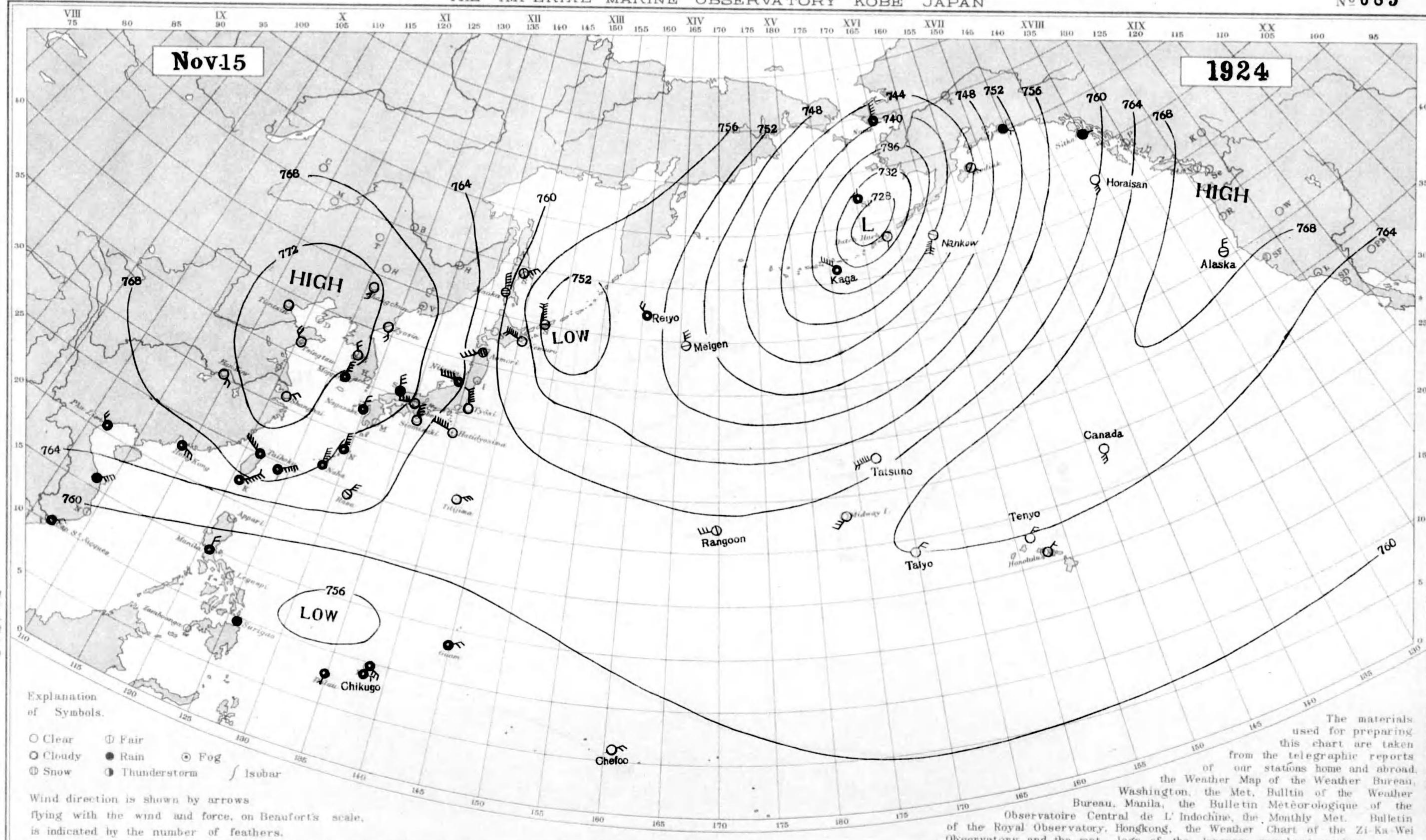
The materials used for preparing this chart are taken from the telegraphic reports of our stations home and abroad, the Weather Map of the Weather Bureau, Washington, the Met. Bulletin of the Weather Bureau, Manila, the Bulletin Météorologique of the Observatoire Central de L'Indochine, the Monthly Met. 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	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.)	768.9	767.2	765.6	760.0	760.8	756.6	758.1	761.0	758.3	754.9	750.0	755.8	768.2	765.8	770.8	774.3	773.5
Air Temperature (in C)	20.7	19.0	9.1	13.4	11.2	13.1	15.7	23.7	7.2	4.3	8.0	2.0	6.1	6.3	-6.3	6.2	4.4
Direction and Force of Winds (0-12)	NW 6	NNW 6	N 5	WNW 6	W 5	NE 4	W 6	SW 2	SSW 5	WNW 3	SSW 6	NNE 4	N 6	W 3	NW 2	NE 2	NW 3
Weather	fair	cloudy	cloudy	clear	fair	clear	clear	cloudy	cloudy	rain	clear	snow	rain	fair	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.)	772.4	772.1	765.1	756.9	766.1	758.7	758.3	758.5	759.1	768.1	759.4	764.0	763.5	747.3	757.9	732.5	-
Air Temperature (in C)	11.3	16.7	22.1	30.2	25.0	30.	25.	-	-	24.	25.	23.	20.	-7.	4.	7.	-
Direction and Force of Winds (0-12)	NNW 5	ESE 2	N 6	SSE 2	E 4	NE 1	SW 1	E 2	NNE 2	NNE 3	NNW 2	E 1	N 1	NE 2	calm	SE	-
Weather	clear	clear	cloudy	fair	clear	cloudy	cloudy	cloudy	cloudy	cloudy	fair	clear	clear	snow	rain	cloudy	-

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

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

No 685



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.

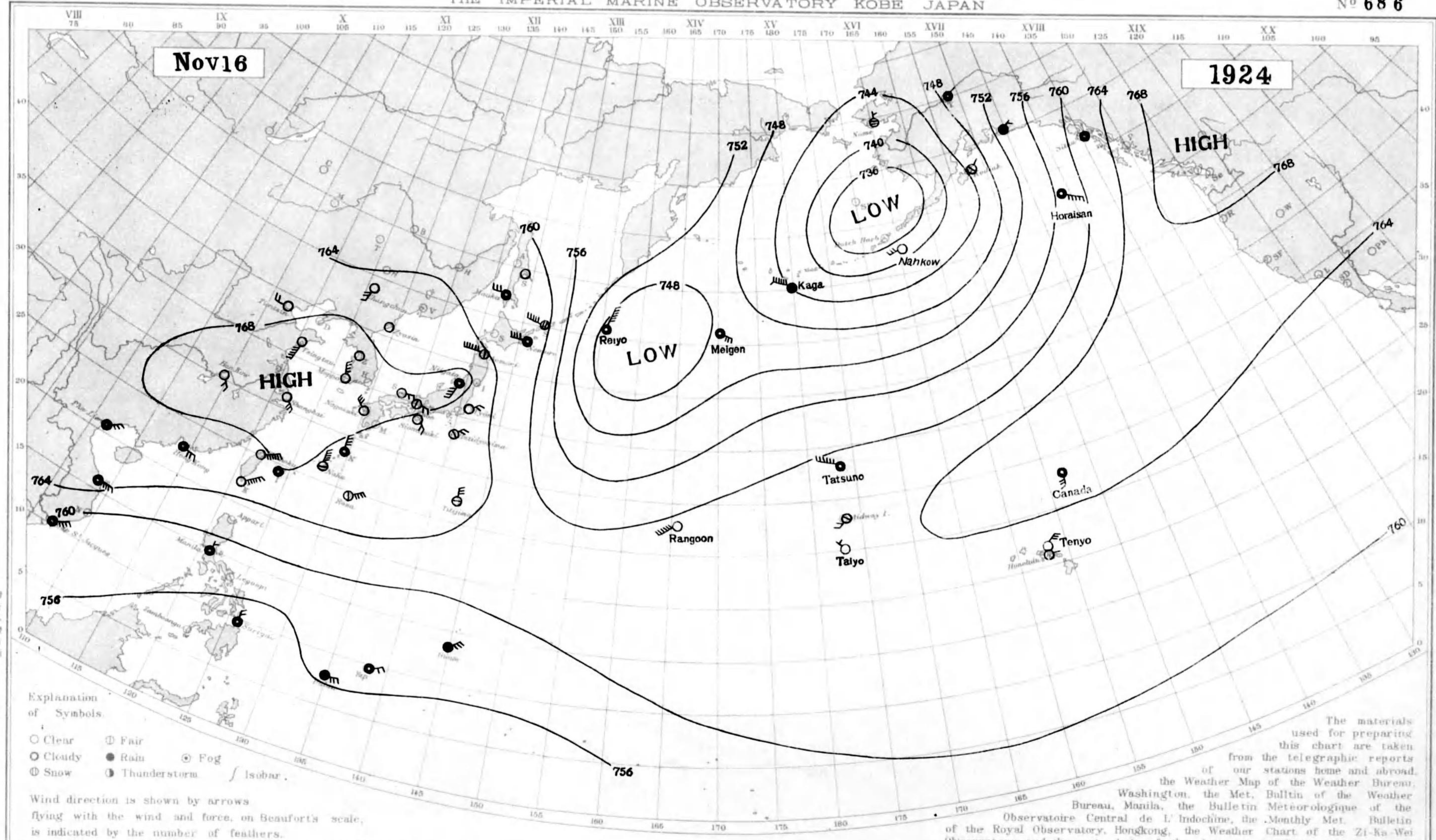
Station	Taihoku	Naha	Nagasaki	Siomi saki	Kobe	Tyosi	Hatidyosima	Titizima	Niigata	Aomori	Nemuro	Maoka	Moppo	Zyosin	Changchun	Tientsin	Tsingtau
Hour of Observation	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	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.)	769.8	768.0	769.7	765.7	766.0	762.4	763.2	763.1	764.9	760.7	757.2	760.0	771.1	770.3	772.4	773.9	773.9
Air Temperature (in C)	20.9	19.4	11.3	14.1	7.9	11.3	15.9	22.2	7.2	20.	25.	- 2.4	10.0	6.9	- 4.8	6.0	6.9
Direction and Force of Winds (0-12)	WNW 5	N 5	N 2	NNW 4	W 4	NNW 7	NNW 6	ENE 3	W 5	SW 4	WNW 8	NNW 5	N 4	SSE 2	S 2	calm	NW 2
Weather	cloudy	cloudy	cloudy	clear	clear	clear	clear	clear	cloudy	snow	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.)	757.9	771.8	765.8	757.7	767.3	* 760.2	* 758.0	* 758.6	* 758.6	* 768.7	* 760.2	762.5	763.0	740.1	757.4	728.0	743.2
Air Temperature (in C)	12.8	16.6	21.7	27.5	20.	24.	27.	-	-	20.	26.	24.	22.	- 4.	9.	6.	6.
Direction and Force of Winds (0-12)	NE 2	SE 2	NNE 3	S 1	ESE 3	N 2	calm	ENE 2	ESE 3	NW 2	ENE 2	NE 1	SW 3	N 5	E -	S -	SE -
Weather	clear	clear	fair	cloudy	cloudy	cloudy	rain	cloudy	cloudy	cloudy	cloudy	clear	clear	cloudy	rain	clear	fair

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 686



Explanation of Symbols.

- Clear
- Cloudy
- ⊙ Snow
- ⊙ Fair
- Rain
- ⊙ Fog
- ⊙ Thunderstorm
- / Isobar.

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

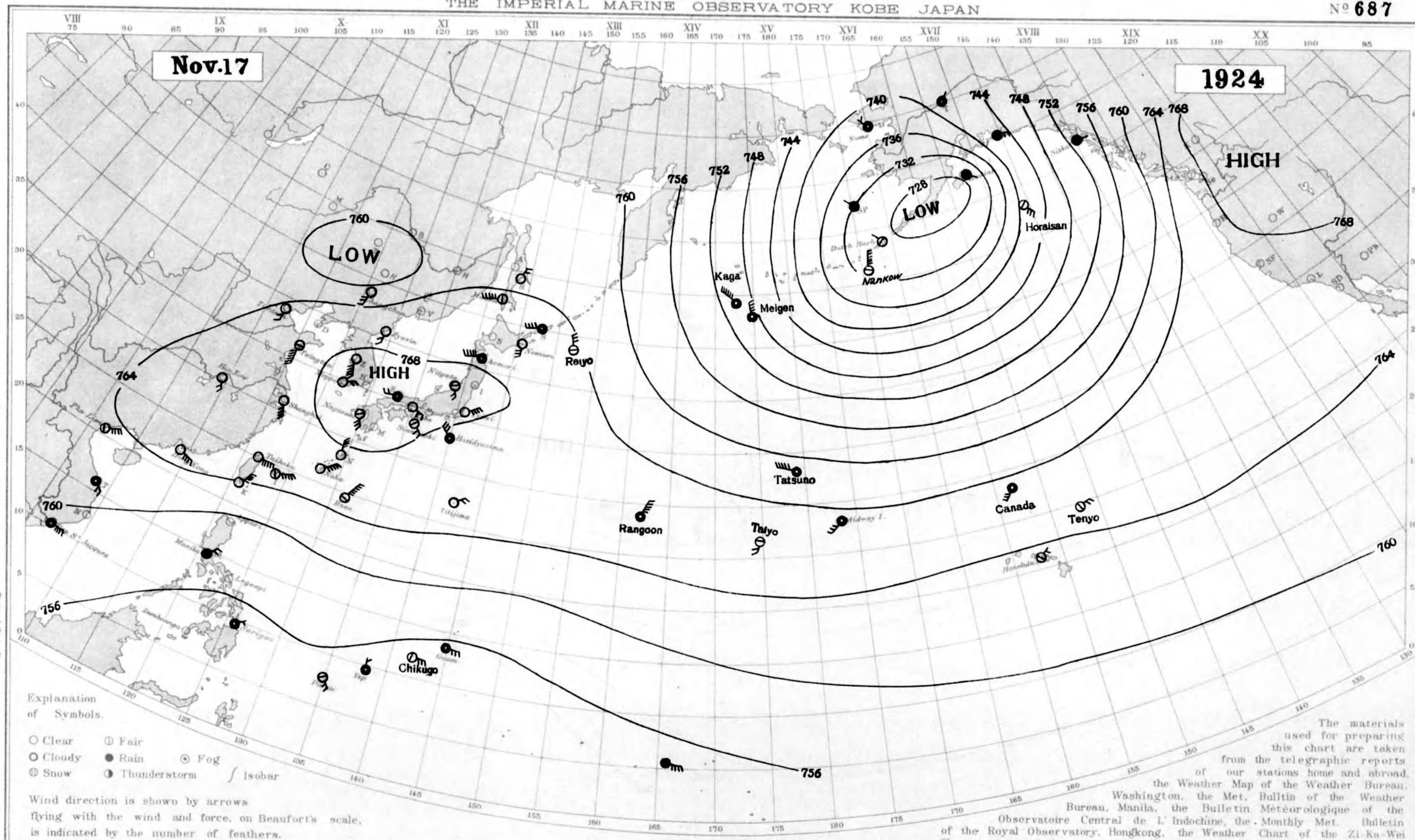
The materials used for preparing this chart are taken from the telegraphic reports of our stations home and abroad, the Weather Map of the Weather Bureau, Washington, the Met. Bulletin of the Weather Bureau, Manila, the Bulletin Meteorologique of the Observatoire Central de L'Indochine, the Monthly Met.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

Station	Tsuhoku	Naha	Nagasaki	Simsaki	Kobe	Tyosi	Haidyosima	Tsuzima	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.)	766.7	767.3	768.7	767.1	768.3	767.0	765.2	764.5	768.2	765.1	762.7	761.7	769.8	767.3	765.4	767.7	769.8
Air Temperature (in C)	23.6	20.8	13.5	14.2	12.3	11.6	17.5	22.2	8.8	9.2	2.6	2.2	11.8	7.0	-0.1	3.0	12.1
Direction and Force of Winds (0-12)	ENE 6	N 5	NW 3	SE 2	ESE 2	NE 3	NE 2	N 3	SSW 4	W 6	W 4	W 3	NNW 4	calm	SSW 3	W 2	SSW 5
Weather	clear	fair	fair	clear	fair	clear	fair	fair	cloudy	fair	cloudy	cloudy	fair	calm	clear	clear	clear
Station	Shanghai	Hankow	Rosa	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 Surd Gr.)	769.5	768.3	765.7	756.4	765.8	760.2	757.0	757.5	757.9	767.9	760.0	762.5	763.0	742.7	761.0	-	744.2
Air Temperature (in C)	16.8	18.0	21.7	28.5	21.	26.	28.	-	-	23.	25.	23.	23.	-6.	6.	-	7.
Direction and Force of Winds (0-12)	SE 3	SE 2	NE 4	E 3	ESE 4	N 1	N 2	NE 3	ENE 2	ENE 3	ENE 4	E 1	SW 2	N 1	calm	-	NE -
Weather	clear	clear	fair	rain	cloudy	cloudy	cloudy	rain	cloudy	cloudy	cloudy	clear	fair	snow	cloudy	-	fair

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

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

No 687



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.

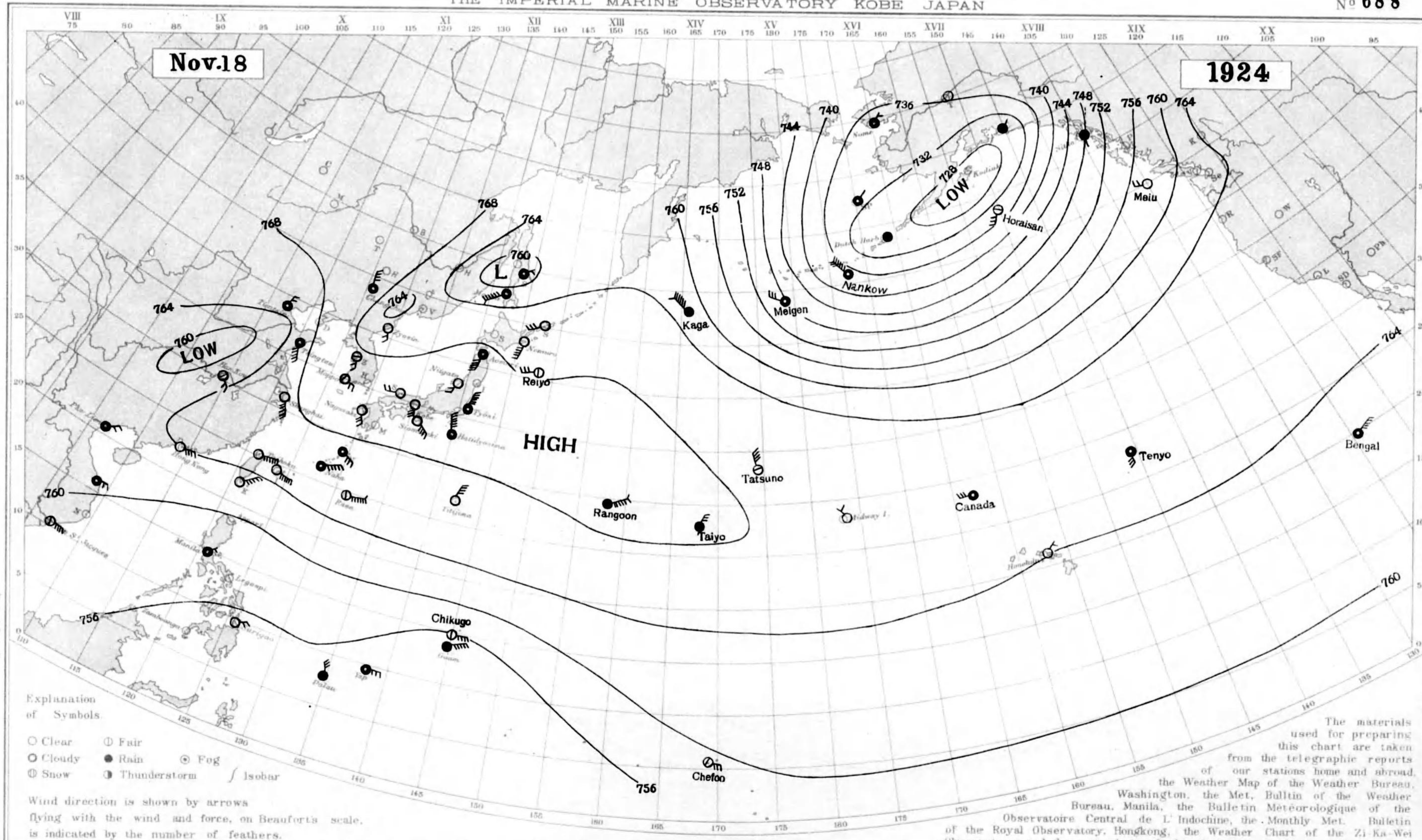
The materials used for preparing this chart are taken from the telegraphic reports of our stations home and abroad, the Weather Map of the Weather Bureau, Washington, the Met. Bulletin of the Weather Bureau, Manila, the Bulletin Météorologique of the Observatoire Central de L'Indochine, the Monthly Met.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

Station	Taihoku	Naha	Nagasaki	Siomi saki	Kobe	Tynsi	Hatidyosima	Titizima	Nijigata	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 Sird Gr.)	765.1	766.8	769.0	768.2	769.0	768.6	767.0	765.3	769.3	767.8	766.5	763.4	769.4	766.0	760.6	764.1	766.2
Air Temperature (in C)	26.2	21.6	14.1	15.5	13.4	14.0	16.0	23.4	10.8	12.4	8.1	4.4	11.8	7.6	6.2	10.0	14.7
Direction and Force of Winds (0-12)	E 5	NE 5	SSE 3	SE 2	ESE 2	NE 4	NW 3	NE 2	SSE 2	WSW 5	S 3	WSW 5	ENE 2	S 2	SSW 3	S 2	S 6
Weather	clear	clear	fair	fair	clear	clear	cloudy	clear	fair	cloudy	clear	fair	clear	clear	clear	clear	fair
Station	Shanghai	Hankow	Rasa	Palau	Hongkong	Manila	Surigao	Guam	Yap	Phu Lien	Cap St. 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 Sird Gr.)	766.7	764.2	765.6	765.7	764.3	* 758.2	* 756.1	* 757.2	* 757.0	* 765.3	* 760.4	763.5	764.5	737.6	754.4	729.0	728.5
Air Temperature (in C)	19.3	20.1	22.8	30.5	27.	27.	27.	-	-	24.	26.	23.	22.	- 1.	7.	3.	6.
Direction and Force of Winds (0-12)	SSE 4	SSE 2	NNE 6	SE 2	ESE 4	NE 2	NE 1	E 3	N 1	ENE 4	E 4	NE 1	SW 3	- 1.	E -	NW 1	SE -
Weather	clear	clear	fair	fair	clear	rain	cloudy	cloudy	cloudy	fair	cloudy	fair	cloudy	cloudy	rain	fair	rain

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

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

No 688



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 12° 135 E	Naha 12° 135 E	Nagasaki 12° 135 E	Simi saki 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	Tientsin 12° 135 E	Tsingtau 12° 135 E
Hour of Observation																	
Atm. Pressure (Red. to m.s.l. and Std. Gr.)	764.3	766.3	770.6	770.7	771.3	770.1	769.1	765.9	771.3	763.5	766.7	760.8	769.6	766.0	770.5	765.7	765.2
Air Temperature (in C)	25.5	23.2	16.3	16.8	15.8	15.4	17.9	23.3	11.4	14.7	12.5	8.5	15.4	10.6	1.0	10.0	15.4
Direction and Force of Winds (0-12)	E 6	ENE 5	SSE 3	SE 4	SSE 3	NNE 6	NNW 4	NNE 4	SSW 2	SSW 5	SSW 5	SW 7	ESE 2	SSE 2	N 4	NNE 2	SSE 5
Weather	clear	cloudy	clear	clear	clear	cloudy	cloudy	clear	clear	cloudy	clear	cloudy	fair	clear	cloudy	cloudy	cloudy

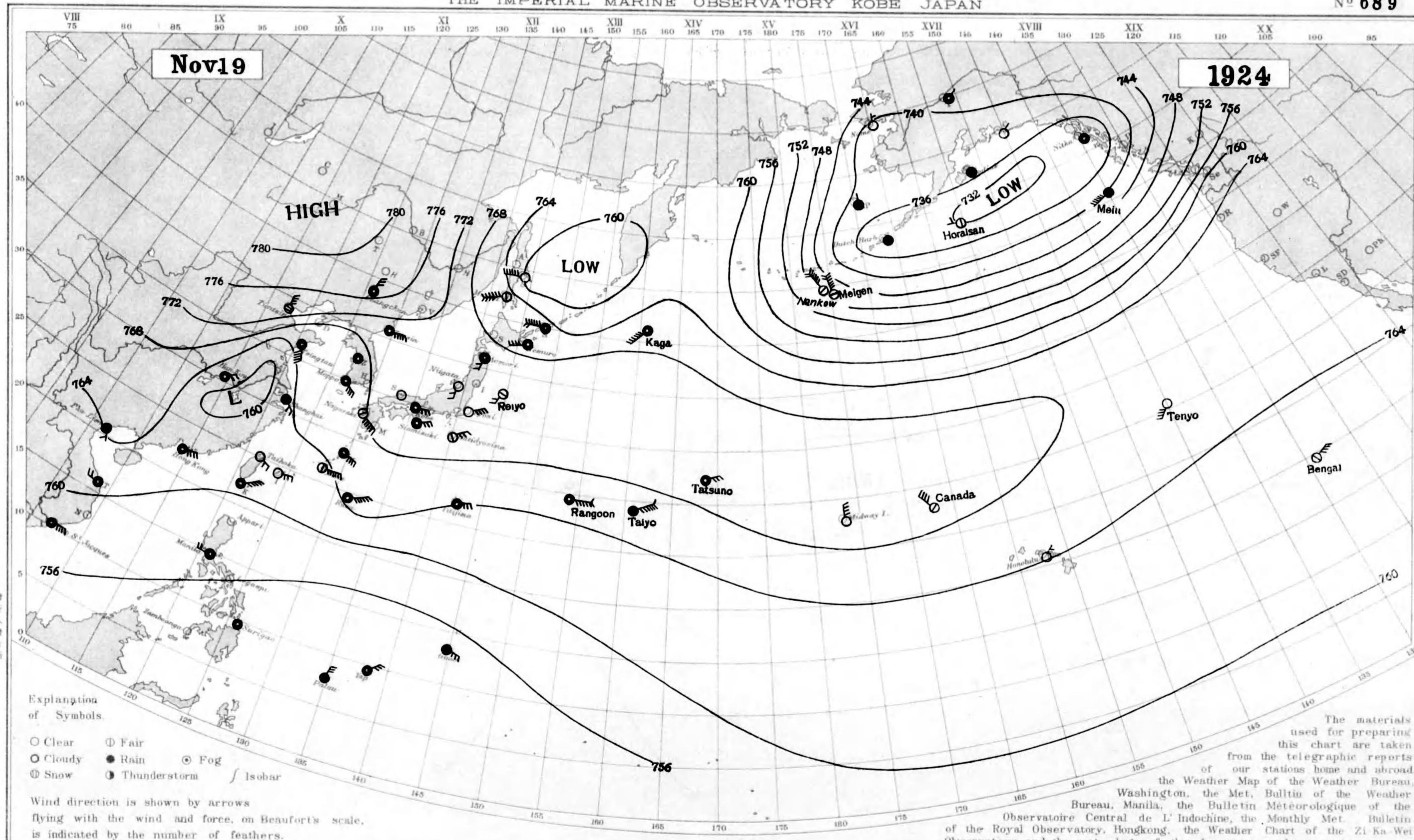
Station	Shanghai 12° 135 E	Hankow 12° 135 E	Rusa 12° 135 E	Palau 12° 135 E	Hongkong 14°	Manila 14°	Surigao 14°	Guam 14°	Yap 14°	Phu-Lien 10°	Cap-S-Jacques 10°	Honolulu 20°	Midway I. 18° 30°	Nome 20° 135 W	Sitka 20° 135 W	Dutch Harbor 20° 135 W	Kodiak 20° 135 W
Hour of Observation																	
Atm. Pressure (Red. to m.s.l. and Std. Gr.)	767.0	761.9	765.2	755.9	764.0	* 759.2	* 757.2	* 757.2	* 757.2	* 764.6	* 760.8	764.0	767.1	735.1	747.8	731.2	-
Air Temperature (in C)	20.5	21.4	24.0	27.2	22.	24.	30.	-	-	25.	26.	23.	21.	- 3.	7.	3.	-
Direction and Force of Winds (0-12)	SSE 5	SE 2	E 7	NNW 3	E 4	NE 1	ENE 2	ENE 5	E 3	ENE 2	E 4	NE 1	NW 1	NE 1	S -	calm	-
Weather	clear	fair	fair	rain	clear	cloudy	clear	rain	cloudy	cloudy	fair	clear	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 689



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.

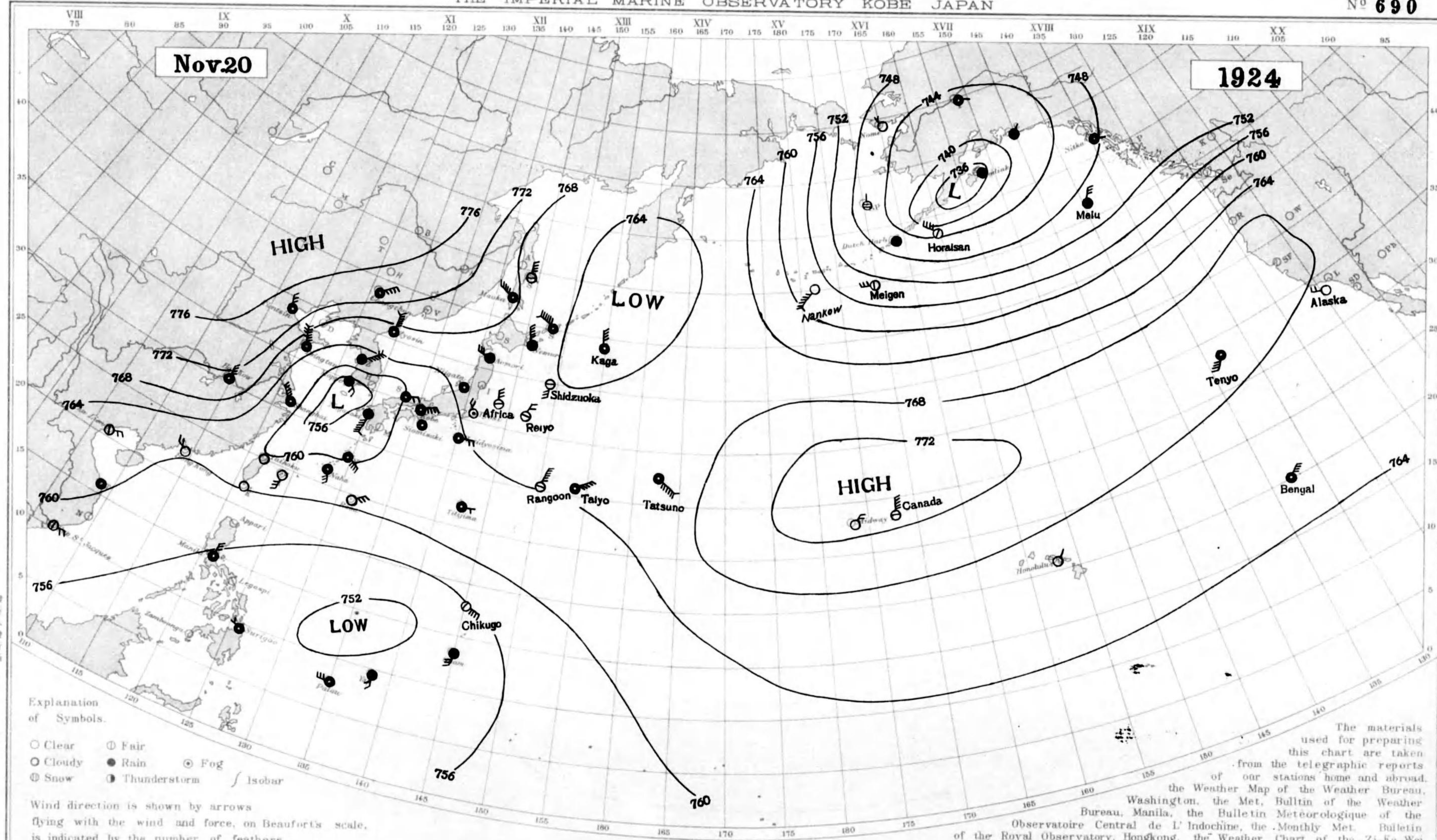
The materials used for preparing this chart are taken from the telegraphic reports of our stations home and abroad, the Weather Map of the Weather Bureau, Washington, the Met. Bulletin of the Weather Bureau, Manila, the Bulletin Meteorologique of the Observatoire Central de L'Indochine, the Monthly Met. 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	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.)	762.0	763.6	768.0	770.1	770.3	770.0	769.0	764.0	771.0	769.4	765.0	764.3	767.4	771.8	777.5	773.1	764.7	
Air Temperature (in C)	27.5	24.2	19.5	17.9	16.9	17.4	20.5	22.9	12.9	14.0	15.1	2.2	15.7	6.8	-7.0	0.6	15.9	
Direction and Force of Winds (0-12)	ESE 2	E 6	SE 6	ENE 3	E 3	NE 4	NE 3	ENE 3	S 2	SSW 2	WSW 4	WSW 10	SE 4	E 5	NNE 3	N 4	SSE 5	
Weather	clear	fair	fair	cloudy	cloudy	clear	fair	cloudy	clear	cloudy	cloudy	fair	cloudy	cloudy	cloudy	cloudy	snow	cloudy
Station	Shanghai	Hankow	Rasa	Palau	Hongkong	Manila	Surigao	Guam	Yap	Phu-Lien	Cap-S-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.)	763.5	761.9	765.2	755.3	762.2	758.5	756.6	756.4	755.8	765.9	760.7	764.0	769.6	739.6	735.1	734.0	736.6	
Air Temperature (in C)	19.0	13.6	24.7	26.8	22.	29.	24.	-	-	26.	20.7	23.	21.	-11.	4.	3.	6.	
Direction and Force of Winds (0-12)	SE 2	NE 3	ENE 6	NNE 3	E 4	W 2	calm	ESE 3	NE 3	SSE 1	E 4	NE 1	N 4	N 1	calm	calm	calm	
Weather	rain	cloudy	cloudy	rain	cloudy	cloudy	cloudy	rain	cloudy	rain	cloudy	clear	clear	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 690



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.

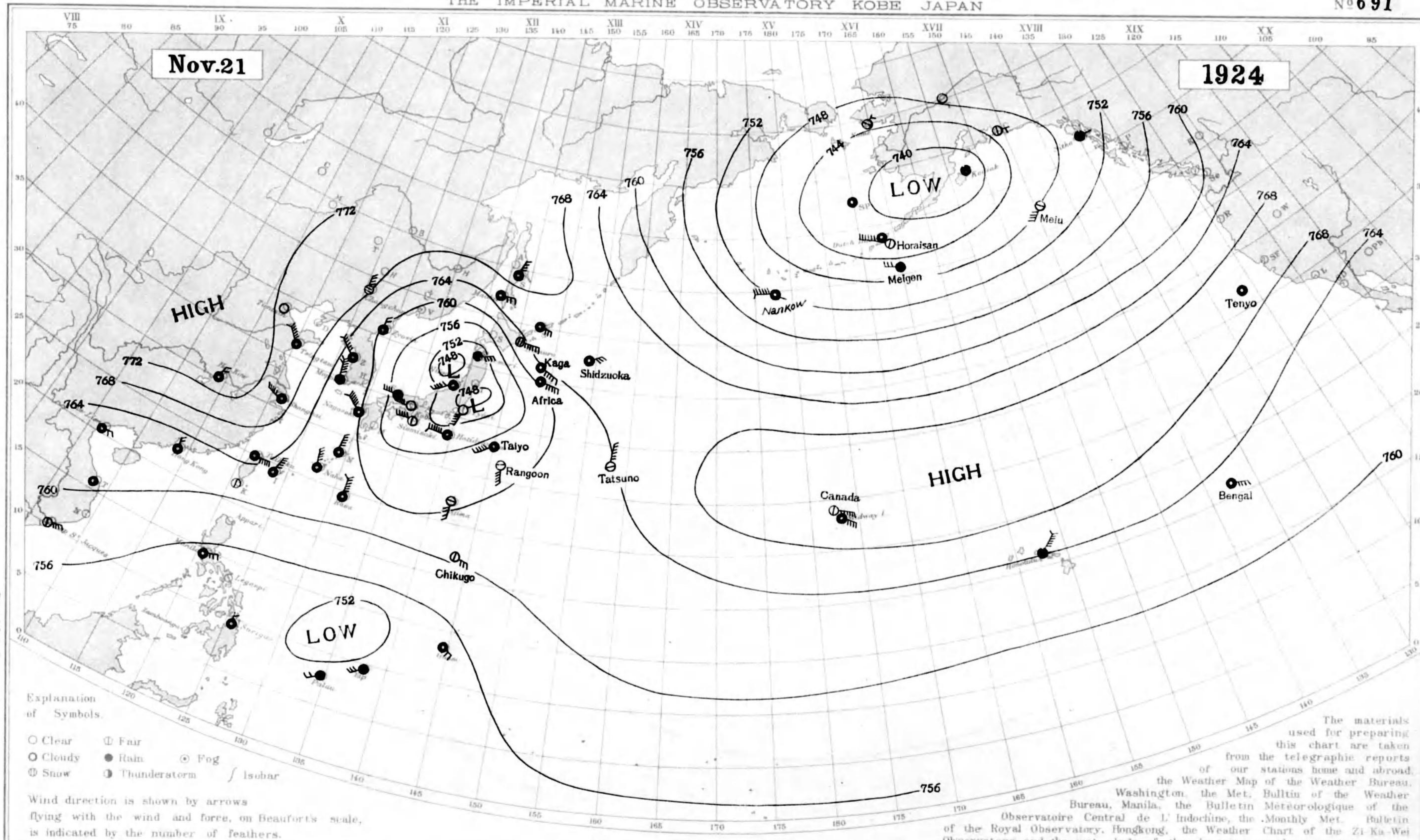
The materials used for preparing this chart are taken from the telegraphic reports of our stations home and abroad, the Weather Map of the Weather Bureau, Washington, the Met. Bulletin of the Weather Bureau, Manila, the Bulletin Meteorologique of the Observatoire Central de L'Indochine, the Monthly Met. 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 ^h , 135 E	Naha 12 ^h , 135 E	Nagasaki 12 ^h , 135 E	Siemtsaki 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	Maaka 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. * not reduced to Std. Gr.)	760.5	760.6	757.9	763.3	762.8	764.5	763.9	761.4	764.9	766.2	766.7	768.8	754.7	770.2	774.1	773.5	764.8
Air Temperature (in C)	26.8	25.2	17.0	16.8	16.5	14.4	20.5	14.1	14.1	9.5	1.5	-4.2	14.1	0.0	-9.0	773.5	764.8
Direction and Force of Winds (0-12)	calm	SSE 3	SSW 7	ENE 5	ENE 4	NW 2	E 2	E 1	calm	WNW 3	NNW 5	NW 5	SE 2	N 7	NE 4	NNW 3	NNW 10
Weather	clear	cloudy	rain	cloudy	cloudy	fog	cloudy	cloudy	cloudy	rain	rain	cloudy	rain	cloudy	cloudy	cloudy	cloudy
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. * not reduced to Std. Gr.)	762.8	771.8	760.6	753.4	760.1	757.2	755.5	755.9	754.4	763.2	760.0	765.0	772.2	744.2	747.8	745.7	735.1
Air Temperature (in C)	12.3	7.7	26.1	29.2	26.	29.	29.	-	-	27.	27.	23.	19.	-14.	4.	1.	4.
Direction and Force of Winds (0-12)	NW 5	NNE 3	NE 3	W 3	WNW 2	N 3	WNW 1	SSE 3	S 2	ENE 2	E 2	NE 1	NE 2	NW 1	E -	calm	calm
Weather	cloudy	cloudy	clear	cloudy	clear	cloudy	cloudy	rain	rain	fair	fair	clear	clear	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 691



Explanation of Symbols

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

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

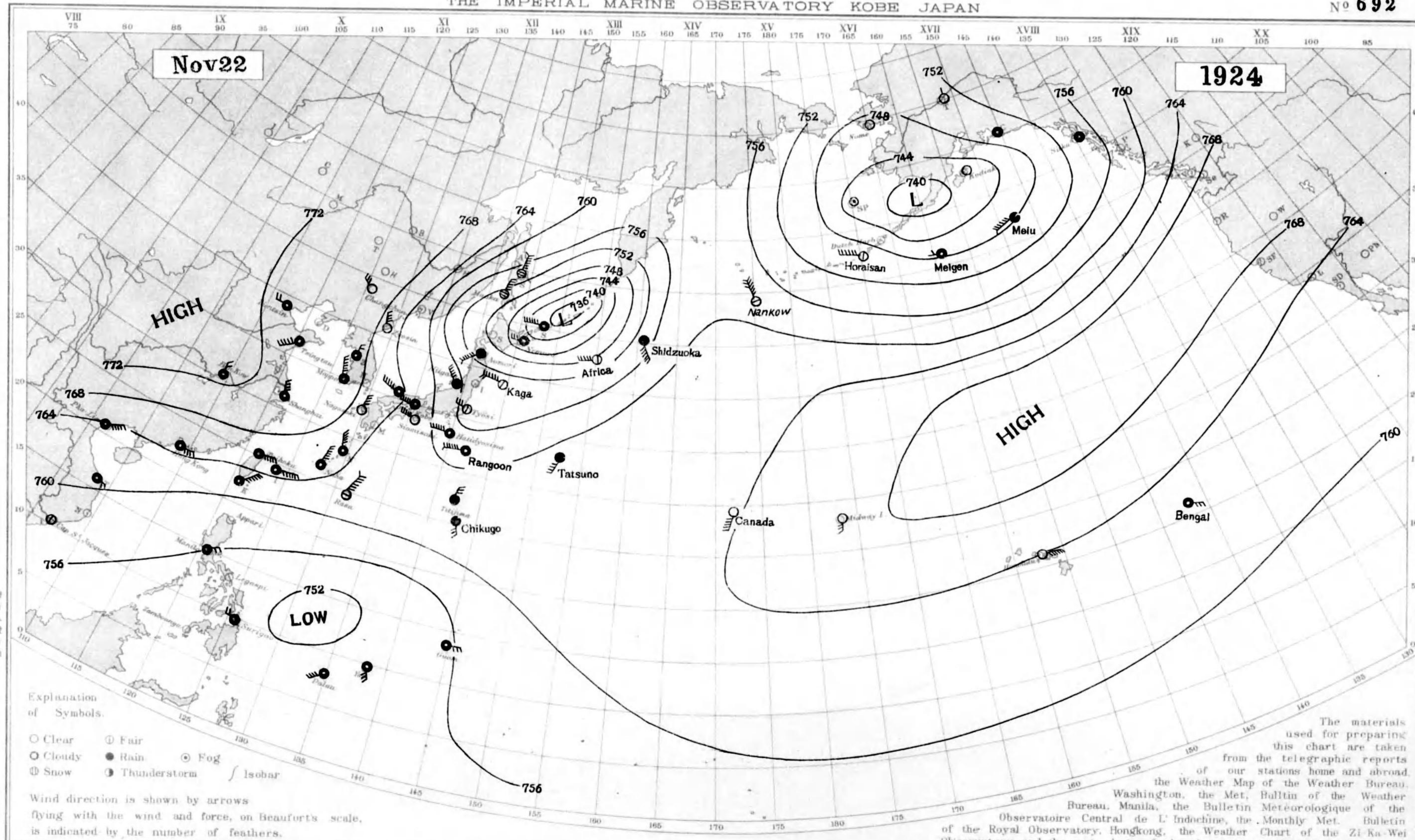
The materials used for preparing this chart are taken from the telegraphic reports of our stations home and abroad, the Weather Map of the Weather Bureau, Washington, the Met. Bulletin of the Weather Bureau, Manila, the Bulletin Meteorologique of the Observatoire Central de L'Indochine, the Monthly Met.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

Station	Taihoku	Naha	Nagasaki	Siomasaki	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.)	765.7	762.7	760.4	752.9	753.3	748.6	752.9	759.0	749.4	750.0	763.3	765.7	763.2	759.1	769.1	771.8	770.8
Air Temperature (in C)	18.7	22.1	12.2	20.4	17.4	18.9	21.5	27.1	15.0	10.1	0.8	-2.9	5.8	0.0	-8.4	3.4	0.4
Direction and Force of Winds (0-12)	E 5	NNW 6	NW 7	W 5	W 5	SSW 5	W 7	S 4	SW 5	ENE 4	E 6	E 3	NNW 8	N 2	N 4	calm	NW 7
Weather	cloudy	cloudy	cloudy	fair	clear	clear	cloudy	fair	cloudy	rain	snow	cloudy	rain	cloudy	snow	clear	cloudy
Station	Shanghai	Hankow	Rasa	Palau	Hongkong	Manila	Surigao	Guam	Yap	Phu-Lien	Cap-S-Jacques	Honohulu	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	18:30 ^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.)	770.8	774.5	760.7	752.7	762.8	756.5	755.1	757.1	754.6	764.0	760.1	764.0	770.6	744.2	749.3	742.7	738.1
Air Temperature (in C)	4.3	5.6	25.1	26.4	22.	30.	28.	-	-	26.	26.	20.	21.	-12.	4.	0.	3.
Direction and Force of Winds (0-12)	WNW 5	NNE 2	N 7	SW 2	NNW 2	ENE 3	N 1	SE 2	SW 3	E 2	ENE 4	NE 7	SE 4	NE 1	E -	calm	calm
Weather	cloudy	cloudy	cloudy	rain	cloudy	cloudy	cloudy	cloudy	rain	cloudy	fair	rain	cloudy	fair	rain	cloudy	rain

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

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

No 692



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	Taihoku 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	Nerurn 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	Tsingtan 12 ^h , 135 E
Atm. Pressure (Red. to m.s.l. and Std. Gr.)	765.7	764.8	766.3	761.5	763.5	755.5	759.0	760.3	758.1	751.2	740.5	749.1	768.9	764.8	770.1	768.5	771.2
Air Temperature (in C)	19.6	20.0	9.9	13.3	11.8	15.8	16.0	22.1	8.7	4.4	6.0	- 0.6	5.5	1.7	- 8.3	3.4	5.5
Direction and Force of Winds (0-12)	E 5	NNE 6	N 4	WNW 5	W 5	WNW 3	W 6	NNE 3	NW 5	SW 7	W 3	NNE 5	NRW 6	NNW 4	NW 3	W 2	SW 5
Weather	cloudy	cloudy	clear	clear	cloudy	fair	cloudy	rain	rain	rain	cloudy	snow	cloudy	clear	clear	cloudy	cloudy

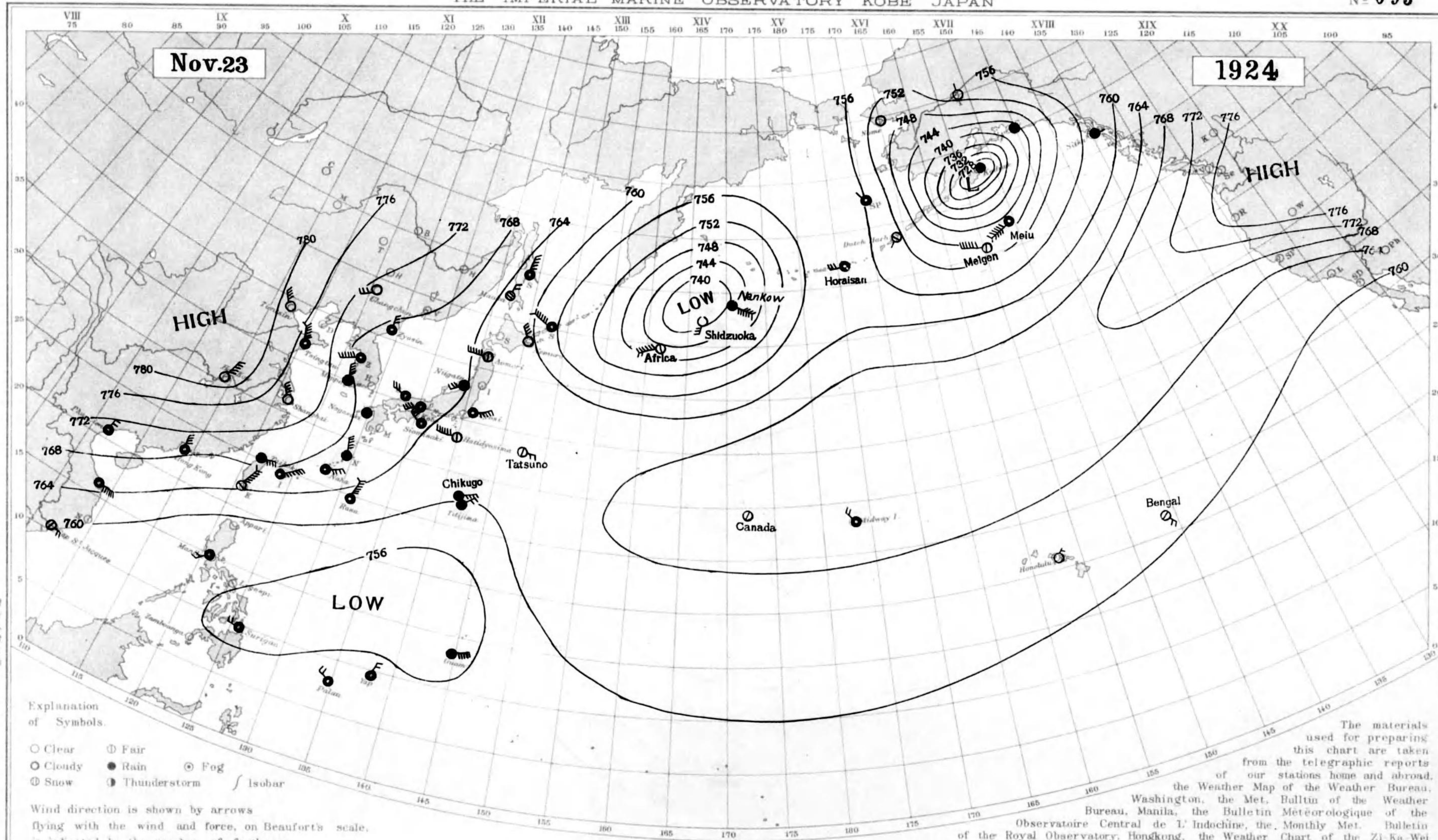
Station	Shanghai 12 ^h , 135 E	Hankow 12 ^h , 135 E	Rusa 12 ^h , 135 E	Palau 12 ^h , 135 E	Hongkong 14 ^h	Manila 14 ^h	Surigao 14 ^h	Guam 14 ^h	Yap 14 ^h	Phu-Lien 10 ^h	Cap St Jacques 10 ^h	Honolulu 20 ^h	Midway I. 18 : 30 ^h	Nome 20 ^h , 135 W	Sitka 20 ^h , 135 W	Dutch Harbor 20 ^h , 135 W	Kodiak 20 ^h , 135 W
Atm. Pressure (Red. to m.s.l. and Std. Gr.)	771.6	773.9	762.3	753.8	765.2	757.6	755.5	757.7	756.2	765.7	760.3	764.0	766.6	746.2	754.4	744.2	742.7
Air Temperature (in C)	9.7	6.4	22.5	27.7	17.	29.	26.	22.	-	22.	25.	22.	22.	- 6.	4.	0.	2.
Direction and Force of Winds (0-12)	NRW 4	N 2	NNE 7	SW 4	E 4	NE 2	W 2	E 3	SSE 3	ENE 5	calm	E 6	S 3	calm	calm	NW -	calm
Weather	cloudy	cloudy	fair	cloudy	cloudy	cloudy	cloudy	cloudy	cloudy	cloudy	fair	clear	clear	clear	cloudy	clear	clear

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 693



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 12 ^h , 135 E	Naha 12 ^h , 135 E	Nagasaki 12 ^h , 135 E	Siomisaki 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
Atm. Pressure (Red to m.s.l. and Svd. Gr.)	769.9	765.9	767.7	764.2	765.9	762.2	763.4	759.9	764.8	763.2	760.3	761.3	762.7	767.5	771.6	778.8	775.8
Air Temperature (in C)	16.2	18.6	11.1	14.3	10.8	12.4	17.2	23.7	6.2	6.5	3.3	-1.0	0.7	0.0	-8.9	-0.8	-0.2
Direction and Force of Winds (0-12)	E 4	ENE 4	calm	NW 4	SW 4	ENE 5	W 6	NE 2	SW 3	W 6	NW 4	ENE 2	NW 5	N 3	SW 3	NW 4	NNW 7
Weather	rain	cloudy	rain	cloudy	cloudy	cloudy	fair	rain	rain	fair	clear	snow	rain	cloudy	clear	clear	cloudy

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 St-Jacques 10 ^h	Honolulu 20 ^h	Midway I. 18 ^h , 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 Svd. Gr.)	775.6	781.4	762.0	756.3	768.8	758.8	756.8	757.0	757.8	772.1	761.3	763.5	764.5	748.3	756.9	752.3	726.9
Air Temperature (in C)	7.7	8.1	22.2	27.1	19.	28.	28.	-	-	14.	28.	22.	21.	-12.	6.	1.	2.
Direction and Force of Winds (0-12)	NW 6	NNE 5	NNE 7	WNW 2	N 4	SW 2	W 2	ENE 4	NNE 2	NNE 2	E 2	NE 1	NW 2	calm	E -	SW -	NE -
Weather	clear	clear	cloudy	cloudy	cloudy	cloudy	cloudy	rain	cloudy	cloudy	fair	clear	cloudy	clear	rain	fair	rain

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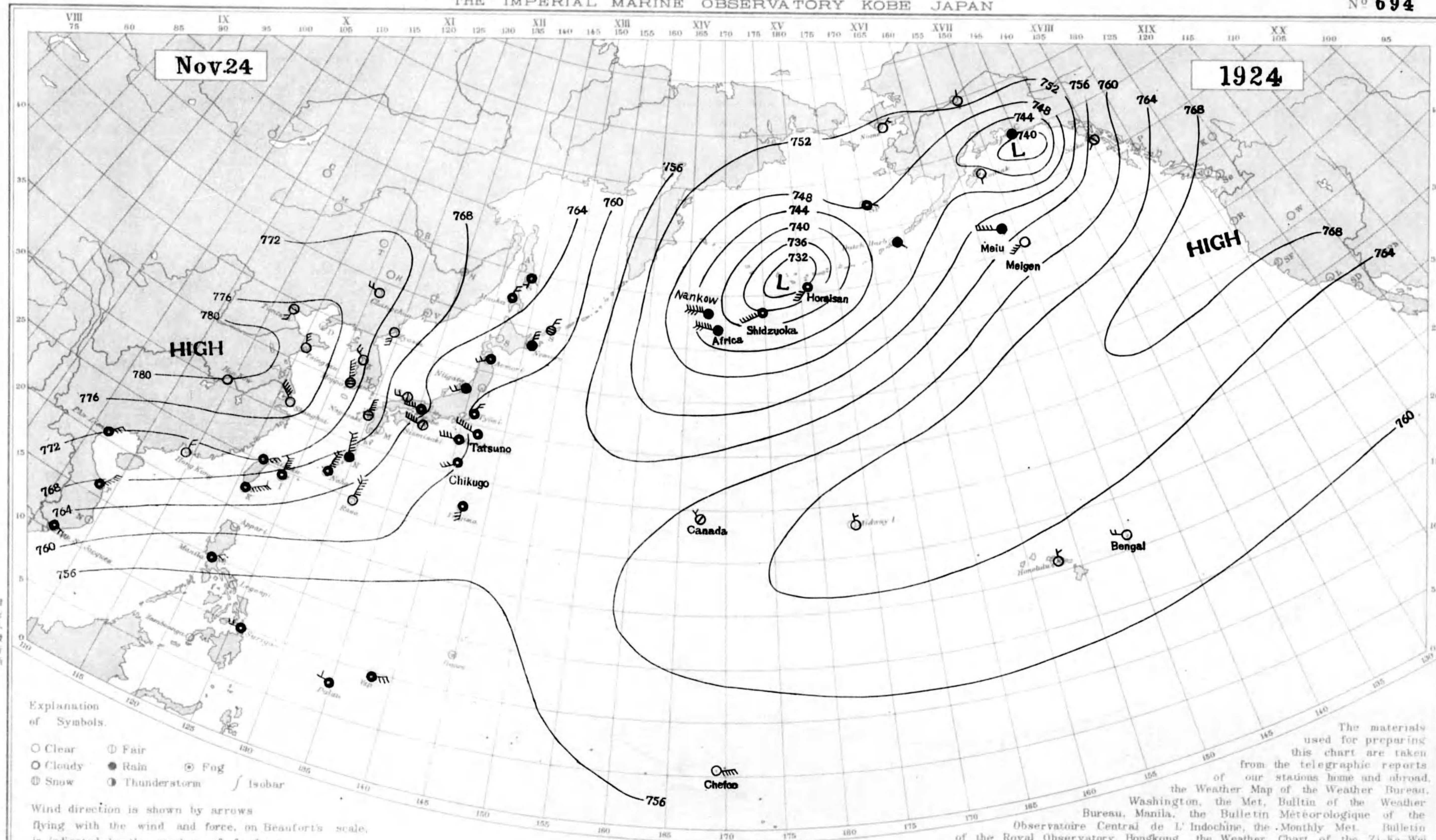
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DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

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

No 694



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.

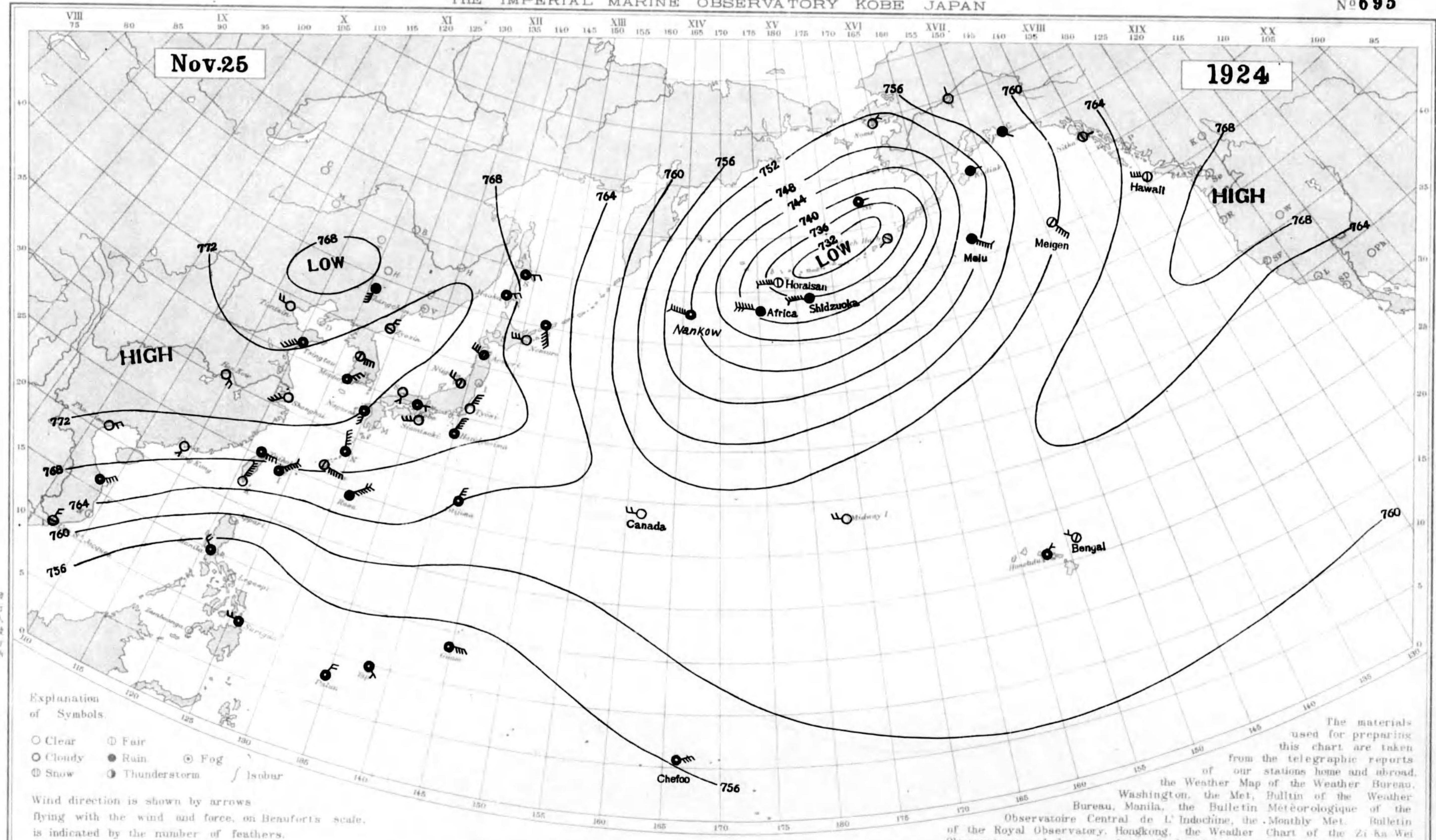
Station	Taihoku	Naha	Nagasaki	Siemsaki	Kebe	Tyosi	Hatidyosima	Tii zima	Niigata	Aomori	Nemuro	Maoka	Moppo	Zyosin	Changchun	Tientsin	Tsingtau
Hour of Observation	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^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 Svd. Gr.)	772.6	766.8	769.1	762.5	764.5	759.5	761.3	758.5	760.7	762.1	762.9	765.1	773.1	771.2	774.3	775.9	777.7
Air Temperature (in C)	12.1	17.4	7.0	12.7	9.3	13.0	14.7	25.0	6.4	4.7	1.9	-0.4	3.3	0.4	-6.7	-1.2	-0.4
Direction and Force of Winds (0-12)	NE 3	NNE 8	N 5	WNW 8	W 5	NNE 2	W 4	S 3	SW 2	SW 2	NNE 3	NNE 2	NNW 6	S 3	WNW 2	SSW 2	NW 3
Weather	cloudy	cloudy	fair	fair	cloudy	cloudy	cloudy	cloudy	rain	cloudy	rain	cloudy	snow	clear	clear	fair	clear

Station	Shanghai	Hankow	Husa	Palau	Hongkong	Manila	Surigao	Guam	Yap	Phu-Lien	Cop. 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 Svd. Gr.)	777.2	779.7	762.5	754.9	769.4	758.6	755.9	-	756.2	774.0	762.4	763.0	764.5	751.8	756.9	745.2	744.2
Air Temperature (in C)	5.0	6.8	20.4	26.3	17.	28.	29.	-	-	18.	25.	22.	20.	-14.	6.	2.	3.
Direction and Force of Winds (0-12)	NW 5	calm	NNE 8	WNW 1	N 2	NE 2	W 2	-	ENE 3	NE 3	E 2	N 1	N 1	NE 1	SW -	SB -	S -
Weather	clear	clear	fair	cloudy	clear	cloudy	cloudy	-	cloudy	cloudy	cloudy	clear	clear	clear	fair	rain	clear

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

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

No. 695



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 Z. 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	Hattiyosima 12° 135 E	Titizima 12° 135 E	Niigata 12° 135 E	Aomori 12° 135 E	Nemuro 12° 135 E	Macka 12° 135 E	Meppo 12° 135 E	Zyosin 12° 135 E	Changchun 12° 135 E	Tientsin 12° 135 E	Tsingtau 12° 135 E
Hour of Observation																	
Atm. Pressure (Red to m. s. l. and Stud. Gr.)	769.5	763.3	772.0	770.4	772.0	770.6	768.2	764.0	772.4	771.2	765.7	768.2	773.5	773.0	768.7	770.8	771.6
Air Temperature (in C.)	18.8	19.3	9.7	13.0	8.3	10.5	15.5	21.2	7.2	3.3	4.1	-2.6	5.5	1.3	-7.0	0.6	5.3
Direction and Force of Winds (0-12)	E 4	ESE 6	S 3	WSW 3	E 1	NNE 4	NNE 5	NNE 3	WNW 2	WNW 3	W 3	ENE 2	NE 3	NE 2	S 4	W 2	SW 5
Weather	cloudy	fair	cloudy	clear	cloudy	clear	cloudy	cloudy	fair	snow	clear	cloudy	cloudy	fair	rain	clear	cloudy

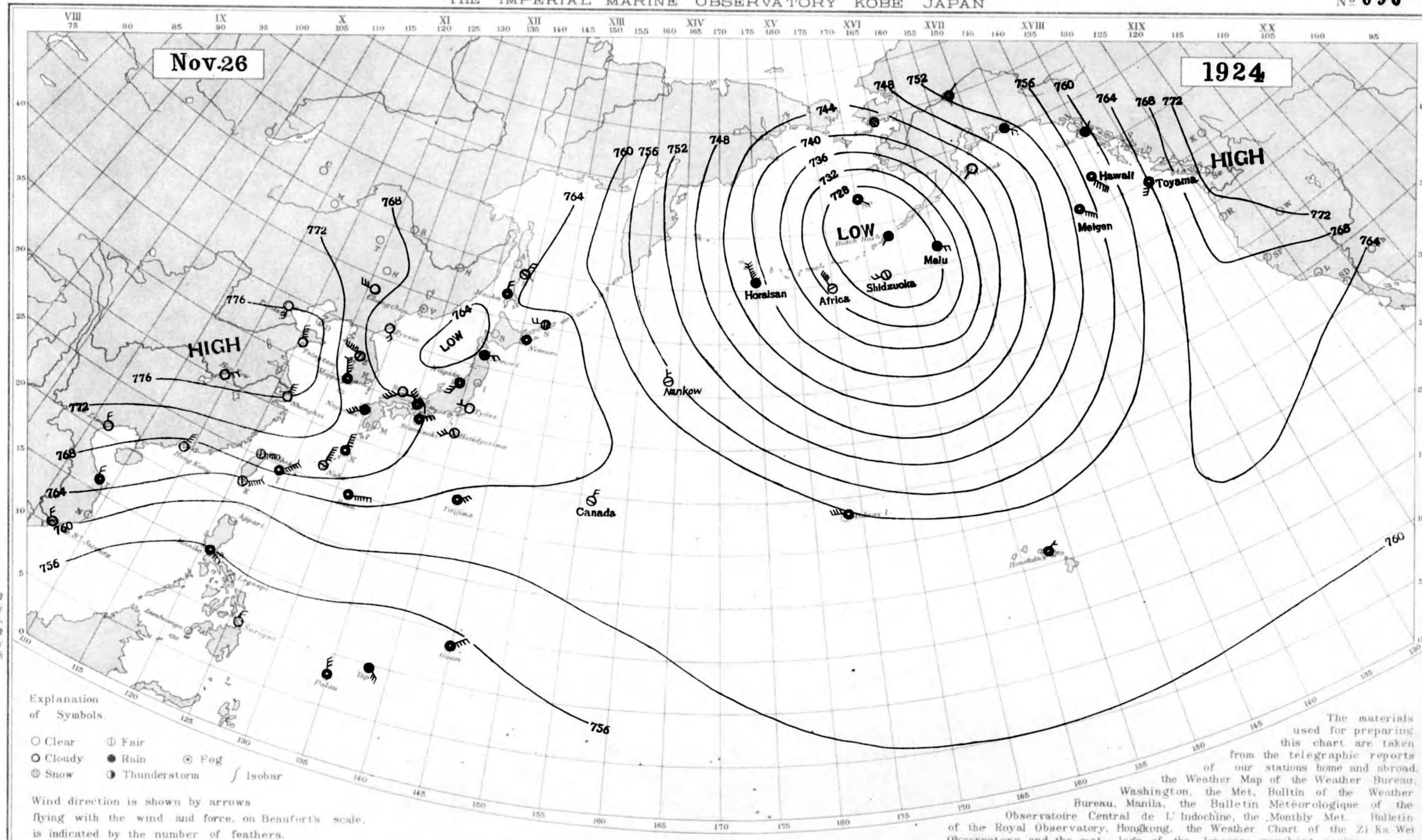
Station	Shanghai 12° 135 E	Hankow 12° 135 E	Rusa 12° 135 E	Palau 12° 135 E	Hongkong 14°	Manila 14°	Surigao 14°	Guam 14°	Yap 14°	Phu Lien 10°	Cap St Jacques 10°	Honolulu 20°	Midway I. 18° 30°	Nome 20° 135 W	Sitka 20° 135 W	Dutch Harbor 20° 135 W	Kodiak 20° 135 W
Hour of Observation																	
Atm. Pressure (Red to m. s. l. and Stud. Gr.)	774.2	774.9	764.7	755.7	769.1	757.3	756.0	757.0	756.8	772.3	762.5	762.0	763.5	751.3	762.5	754.1	750.3
Air Temperature (in C.)	8.4	10.9	19.7	26.8	17.	27.	28.	-	-	19.	24.	22.	763.5	-13.	2.	2.	4.
Direction and Force of Winds (0-12)	SW 4	SE 2	NE 8	NNE 2	S 1	NW 2	W 2	E 4	SE 1	NE 2	N 2	NE 1	W 2	NE 1	E -	SW -	E -
Weather	clear	clear	rain	cloudy	clear	cloudy	cloudy	cloudy	cloudy	clear	fair	cloudy	clear	clear	fair	fair	rain

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 696



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	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 Srd Gr)	770.4	768.8	770.4	768.1	768.8	766.7	766.8	763.8	766.0	764.4	767.7	764.5	771.1	764.7	770.3	775.8	778.2
Air Temperature (in C)	21.4	21.4	11.9	14.6	11.0	11.8	19.1	22.1	8.4	3.6	2.7	- 0.4	9.0	3.3	- 8.0	3.2	2.1
Direction and Force of Winds (0-12)	ENE 6	NNE 6	SW 4	NE 3	NW 3	W 1	SW 4	NE 3	SSW 3	ENE 2	calm	N 2	NNW 7	SSE 2	W 3	S 3	NNW 5
Weather	fair	fair	rain	cloudy	cloudy	clear	fair	cloudy	cloudy	rain	calm	cloudy	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	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
Atm. Pressure (Red to m.s.l. and Srd Gr)	776.0	777.0	764.9	755.4	767.3	* 757.6	* 757.1	* 757.4	* 756.8	* 771.6	* 762.4	761.0	760.5	741.2	759.5	725.9	741.2
Air Temperature (in C)	11.2	10.7	21.4	28.0	22.	29.	28.	-	-	20.	24.	22.	20.	1.	6.	1.	4.
Direction and Force of Winds (0-12)	N 4	NE 2	ENE 6	NNW 3	N 4	ESE 3	N 2	NE 4	SE 3	NNW 2	NW 2	NE 1	W 4	NE 2	NE -	SW -	SW -
Weather	clear	clear	cloudy	cloudy	clear	cloudy	clear	cloudy	rain	clear	fair	cloudy	cloudy	snow	rain	rain	fair

日六二月一一年五正大

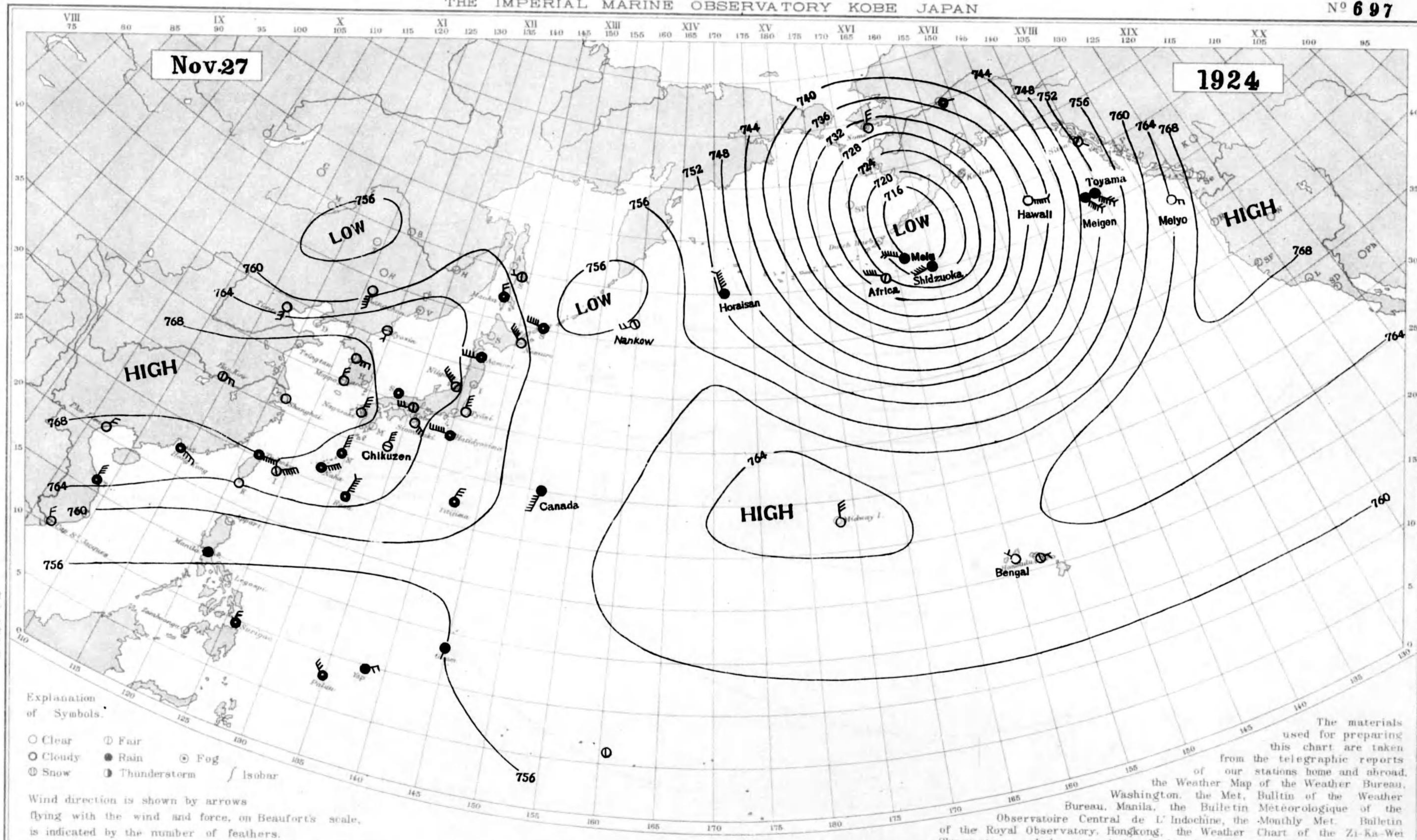
圖氣天洋平大北

號六九六第

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

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

No 697



Explanation of Symbols.

- Clear
- ☁ Cloudy
- ⊙ Snow
- ⊙ Fair
- Rain
- ⊙ Fog
- ⊙ Thunderstorm
- Isobar

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

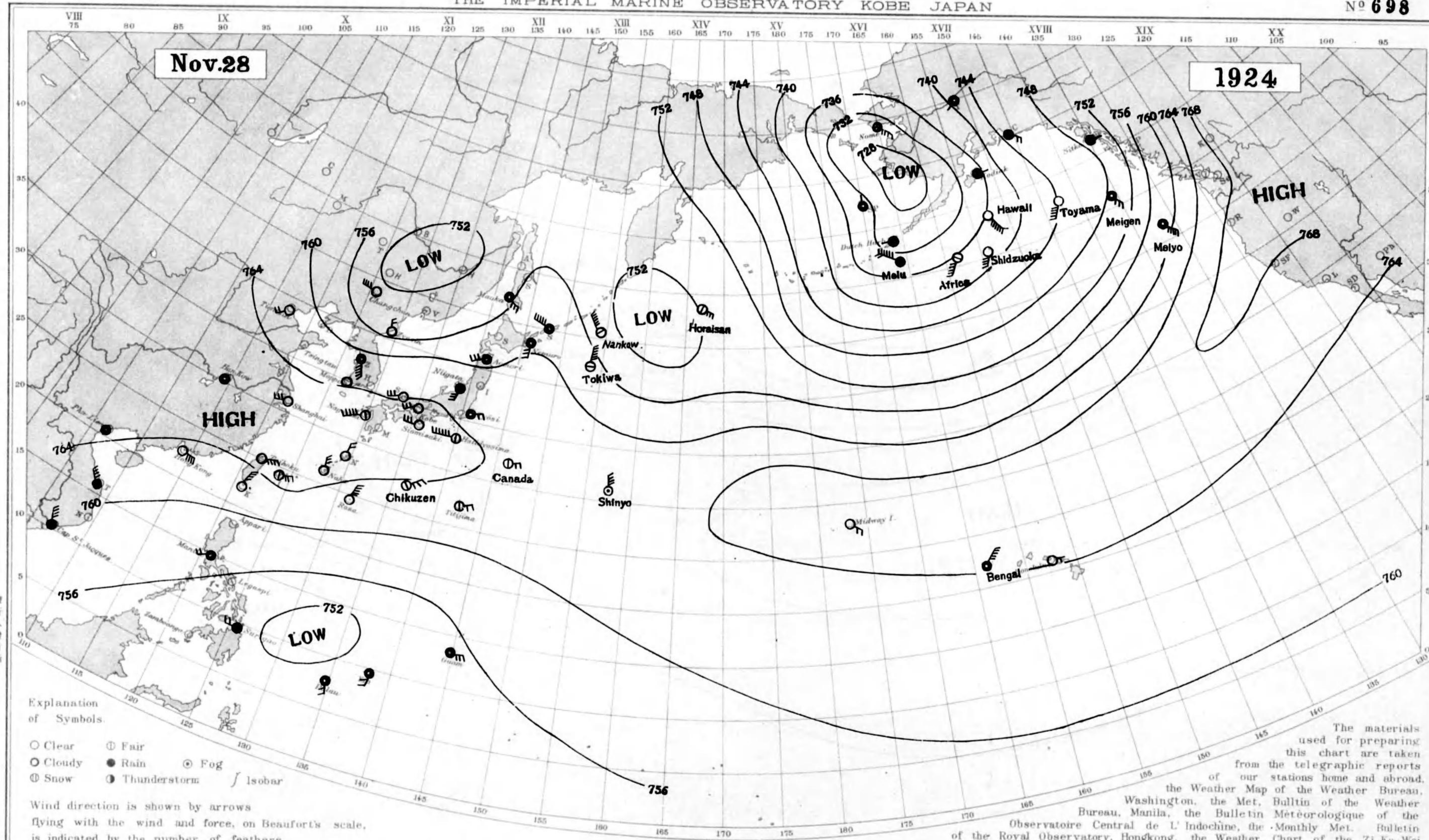
The materials used for preparing this chart are taken from the telegraphic reports of our stations home and abroad, the Weather Map of the Weather Bureau, Washington, the Met. Bulletin of the Weather Bureau, Manila, the Bulletin Meteorologique of the Observatoire Central de L'Indochine, the Monthly Met.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

Station	Taihoku	Naha	Nagasaki	Siomotsuki	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.)	768.0	767.3	769.1	764.5	766.5	761.8	762.9	761.7	764.5	762.9	760.3	760.4	770.3	766.8	758.7	763.0	-
Air Temperature (in C)	20.5	20.0	18.6	12.9	11.6	12.8	15.0	21.2	9.3	5.5	2.9	-2.1	9.9	3.0	-1.6	4.7	-
Direction and Force of Winds (0-12)	E 7	NE 5	N 4	SE 3	WSW 3	N 4	W 6	NNE 3	NW 5	WSW 4	NW 5	NNW 2	NNW 2	S 1	S 5	S 3	-
Weather	cloudy	cloudy	clear	clear	fair	clear	cloudy	cloudy	fair	cloudy	cloudy	cloudy	clear	fair	clear	clear	-
Station	Shanghai	Hankow	Rosa	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.)	771.5	771.2	764.9	754.3	766.8	758.4	756.6	757.6	755.3	769.2	760.5	762.5	765.0	731.5	762.8	-	-
Air Temperature (in C)	1.1	14.2	21.4	28.7	20.	26.	26.	-	-	20.	23.	24.	20.	-1.	11.	-	-
Direction and Force of Winds (0-12)	calm	E 2	NNE 7	NW 3	ESE 4	calm	N 2	S 1	NE 2	NNE 2	NNW 2	E 1	N 3	N 3	SE -	-	-
Weather	clear	fair	cloudy	cloudy	cloudy	rain	cloudy	rain	rain	clear	clear	fair	clear	clear	fair	-	-

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

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

No 698



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	Simsaki 12 ^h , 135 E	Kobe 12 ^h , 135 E	Tyosai 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	Nenuro 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.)	764.2	765.3	766.1	764.2	764.8	762.3	764.9	762.6	762.4	758.9	759.9	755.2	763.6	755.8	756.6	761.2	-
Air Temperature (in C)	24.5	19.9	12.7	15.3	12.0	13.4	15.3	22.7	11.4	7.2	2.7	1.6	15.2	8.8	2.7	6.2	-
Direction and Force of Winds (0-12)	ENE 4	N 3	WSW 5	W 3	WSW 3	ENE 2	W 6	ENE 2	SSW 3	SW 3	S 3	SE 3	SW 5	NNW 2	W 4	SW 2	-
Weather	clear	fair	fair	clear	clear	cloudy	fair	fair	rain	cloudy	cloudy	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
Atm. Pressure (Red. to m.s.l. and Std. Gr.)	765.3	766.0	763.5	754.1	763.7	*758.2	*755.6	*757.6	*756.3	*766.8	*760.3	764.0	766.6	731.0	748.3	730.5	735.6
Air Temperature (in C)	16.3	14.5	22.4	24.5	19.	28.	24.	-	-	21.	19.	22.	18.	7.	7.	2.	4.
Direction and Force of Winds (0-12)	WSW 3	calm	NNE 5	SSE 2	ESE 4	WSW 2	W 2	E 3	SSW 2	calm	NNW 4	E 1	SE 2	SE 4	E -	W -	E -
Weather	clear	cloudy	clear	cloudy	clear	cloudy	rain	cloudy	cloudy	cloudy	rain	clear	clear	snow	rain	rain	rain

日八二月一三二正

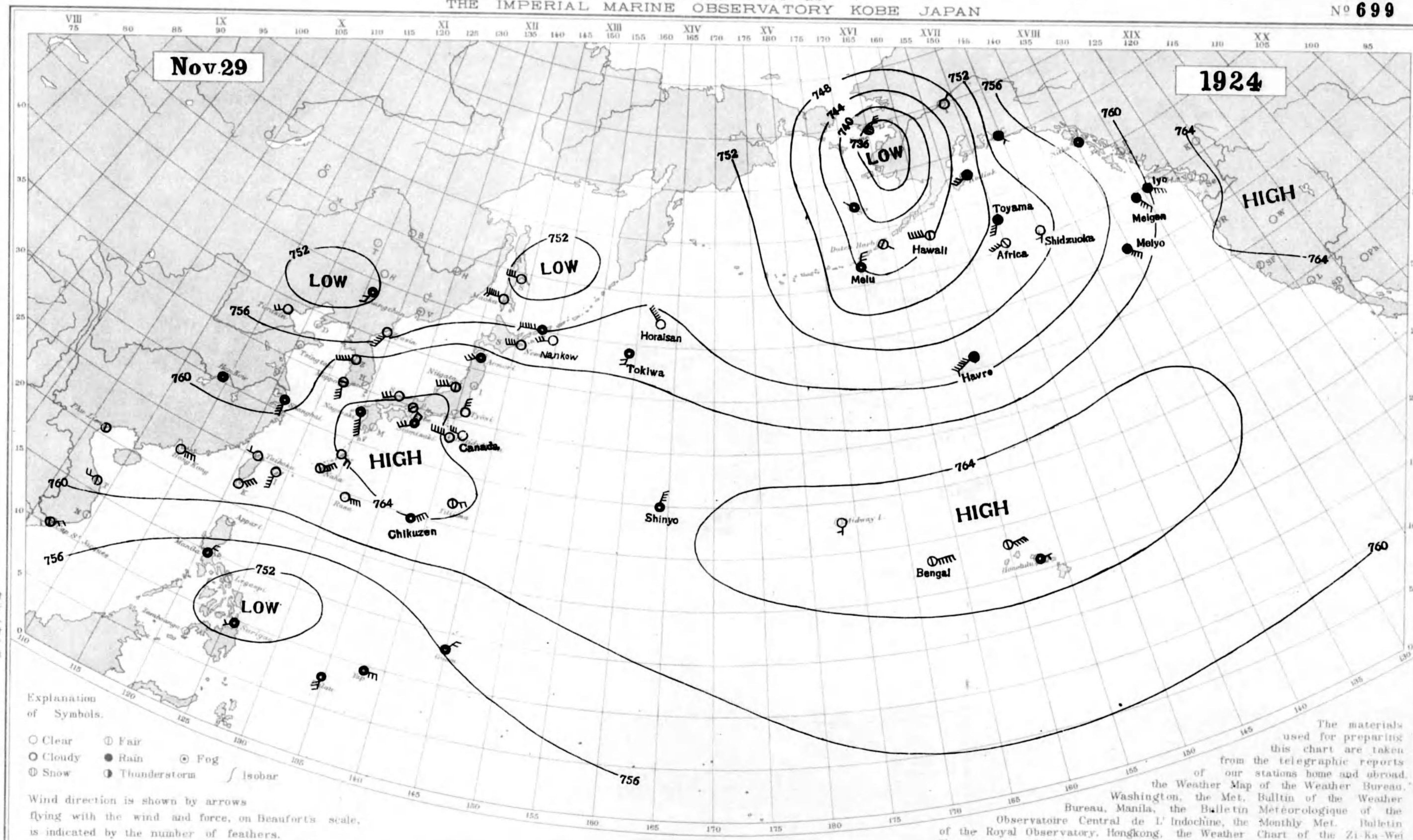
圖氣天洋平大北

號八九六第

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

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

No 699



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	Saha 12 ^h , 135 E	Nagasaki 12 ^h , 135 E	Siom-saki 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.)	761.7	763.3	764.5	764.1	764.9	763.0	763.8	764.4	763.3	760.2	758.3	753.6	761.3	754.5	751.3	753.6	-
Air Temperature (in C)	24.2	22.1	15.2	17.9	14.2	13.6	19.0	22.5	13.7	12.7	9.4	2.8	17.8	11.8	3.3	7.6	-
Direction and Force of Winds (0-12)	W 1	NE 4	SSE 6	SW 3	SE 2	N 3	W 5	ENE 2	WSW 4	SW 3	WSW 4	W 8	SSE 4	SSW 5	SSW 2	SW 2	-
Weather	clear	fair	cloudy	cloudy	fair	clear	clear	fair	fair	cloudy	clear	clear	fair	cloudy	cloudy	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	Kudsk 20 ^h , 135 W
Atm. Pressure (Red to m.s.l. and Std Gr.)	758.9	758.2	762.7	755.0	761.0	* 755.5	* 752.3	* 757.8	* 757.2	* 763.6	* 760.6	764.5	765.0	735.1	757.9	743.2	745.2
Air Temperature (in C)	14.1	15.7	23.9	29.3	21.	27.	27.	-	-	24.	26.	23.	20.	0.	6.	0.	4.
Direction and Force of Winds (0-12)	S 4	- 1	E 4	S 3	E 4	NNE 2	SW 1	NE 2	E 3	calm	ESE 2	E 1	S 1	NE 3	calm	SE -	SW -
Weather	cloudy	cloudy	clear	cloudy	clear	cloudy	cloudy	cloudy	cloudy	fair	fair	cloudy	clear	snow	cloudy	fair	rain

日九二月一一年五正大

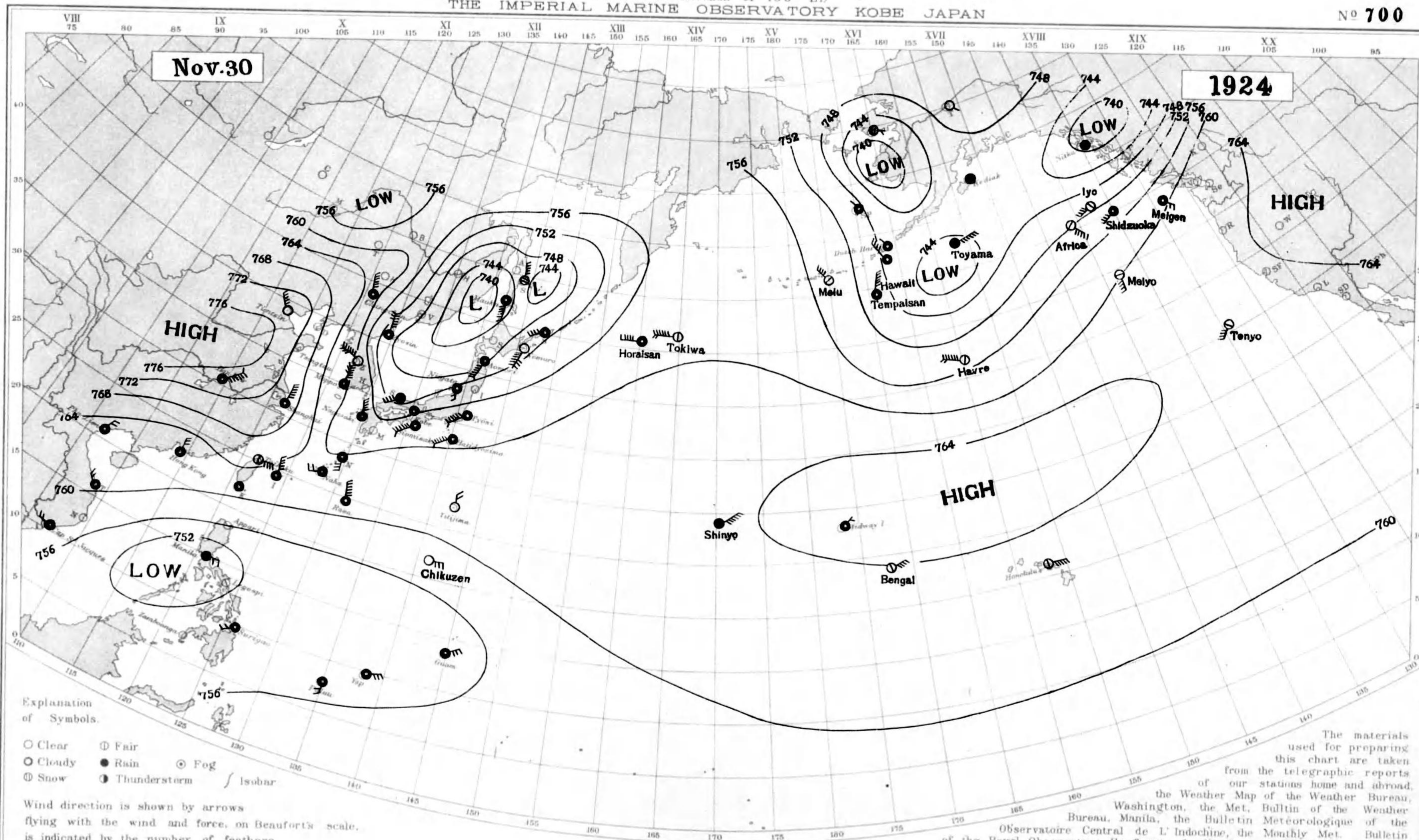
圖氣天洋平大北

號九九六第

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

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

No 700



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 12°N, 135°E	Naha 12°N, 135°E	Nagasaki 12°N, 135°E	Siomtsuki 12°N, 135°E	Kobe 12°N, 135°E	Tyosi 12°N, 135°E	Hatidyosima 12°N, 135°E	Titi zima 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 Srd Gr.)	764.3	762.2	758.4	757.2	755.7	756.2	758.5	761.2	752.3	747.5	751.5	740.8	762.7	748.6	760.5	773.7	-
Air Temperature (in C)	24.5	24.2	15.0	20.0	13.5	17.2	17.8	23.8	10.4	16.0	11.9	10.0	7.9	3.3	-3.4	2.2	-
Direction and Force of Winds (0-12)	E 4	WSW 2	NNW 5	SW 8	- 1	SW 7	SW 7	NNW 2	S 2	SSW 7	SSW 9	S 6	N 9	K 9	NNW 6	NW 5	-
Weather	fair	cloudy	cloudy	cloudy	cloudy	cloudy	cloudy	clear	cloudy	cloudy	clear	cloudy	cloudy	cloudy	cloudy	clear	-
Station	Shanghai 12°N, 135°E	Hankow 12°N, 135°E	Rusa 12°N, 135°E	Palau 12°N, 135°E	Hongkong 14°N	Manila 14°N	Surigao 14°N	Guam 14°N	Yap 14°N	Phu-Lien 10°N	Cap-S-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 Srd Gr.)	771.2	775.1	761.3	755.9	761.3	752.0	754.8	757.2	757.1	764.9	761.2	763.0	764.5	741.7	739.6	747.8	745.7
Air Temperature (in C)	8.6	9.6	27.4	29.8	26.	27.	30.	-	-	23.	24.	22.	20.	-3.	6.	0.	1.
Direction and Force of Winds (0-12)	N 6	NE 7	NNW 6	S 2	N 3	E 2	SW 2	NE 3	E 3	E 3	W 2	E 5	NE 1	E 1	W -	NW -	calm
Weather	cloudy	cloudy	cloudy	cloudy	cloudy	rain	cloudy	cloudy	cloudy	cloudy	cloudy	cloudy	fair	cloudy	snow	rain	cloudy

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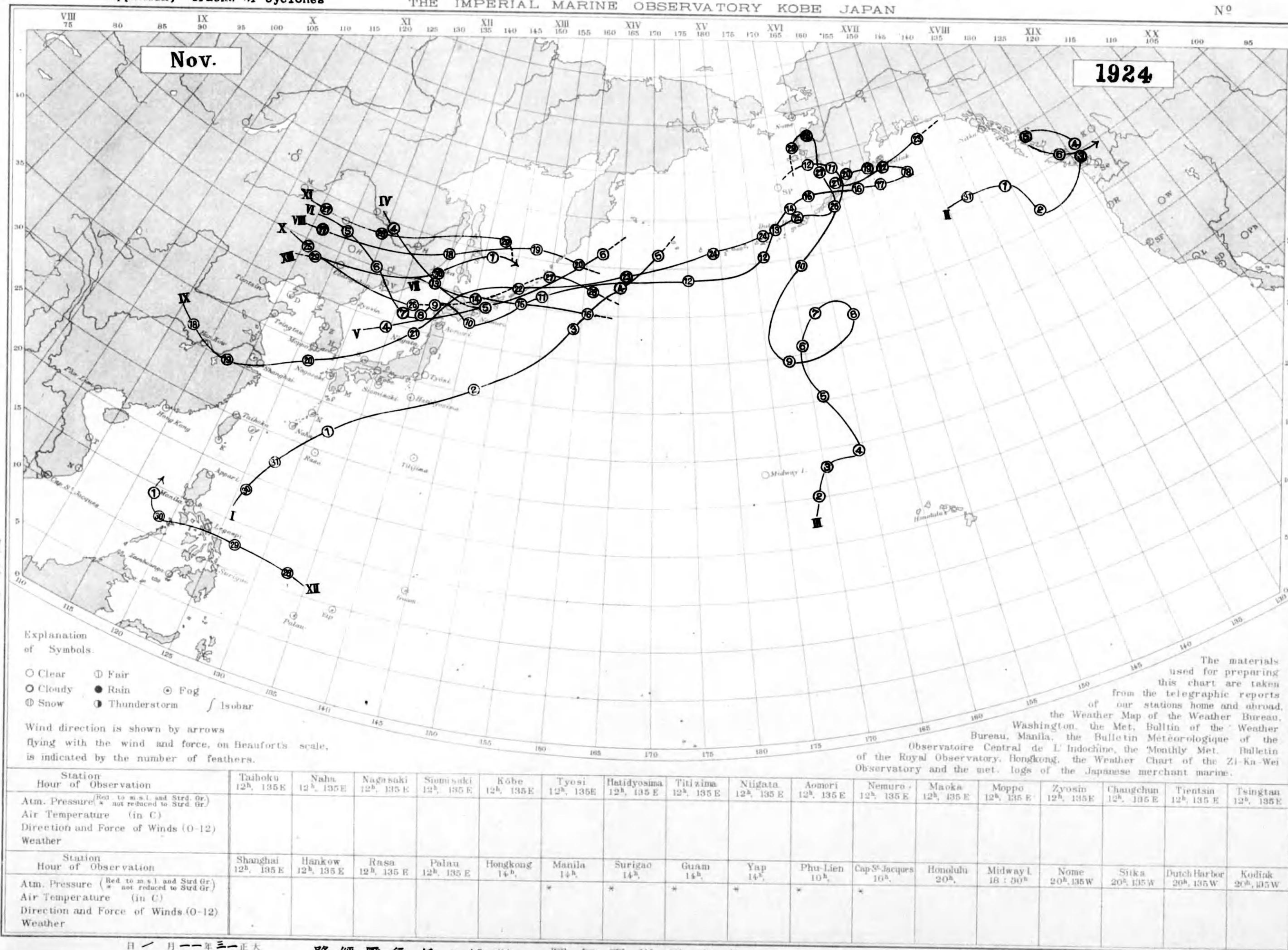
DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

Appendix; Tracks of Cyclones

No



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.

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Station	Taihoku	Naha	Nagasaki	Simotsuki	Kobe	Tyosi	Haidyosima	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 Srd. Gr.)																	
Air Temperature (in C)																	
Direction and Force of Winds (0-12)																	
Weather																	
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 : 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.)						*	*	*	*	*	*						
Air Temperature (in C)																	
Direction and Force of Winds (0-12)																	
Weather																	

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