

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

北太平洋天氣圖

大正十三年六月

神戶

海氣象臺

DAILY WEATHER CHARTS

OF THE

NORTH PACIFIC OCEAN.

JUNE

1924

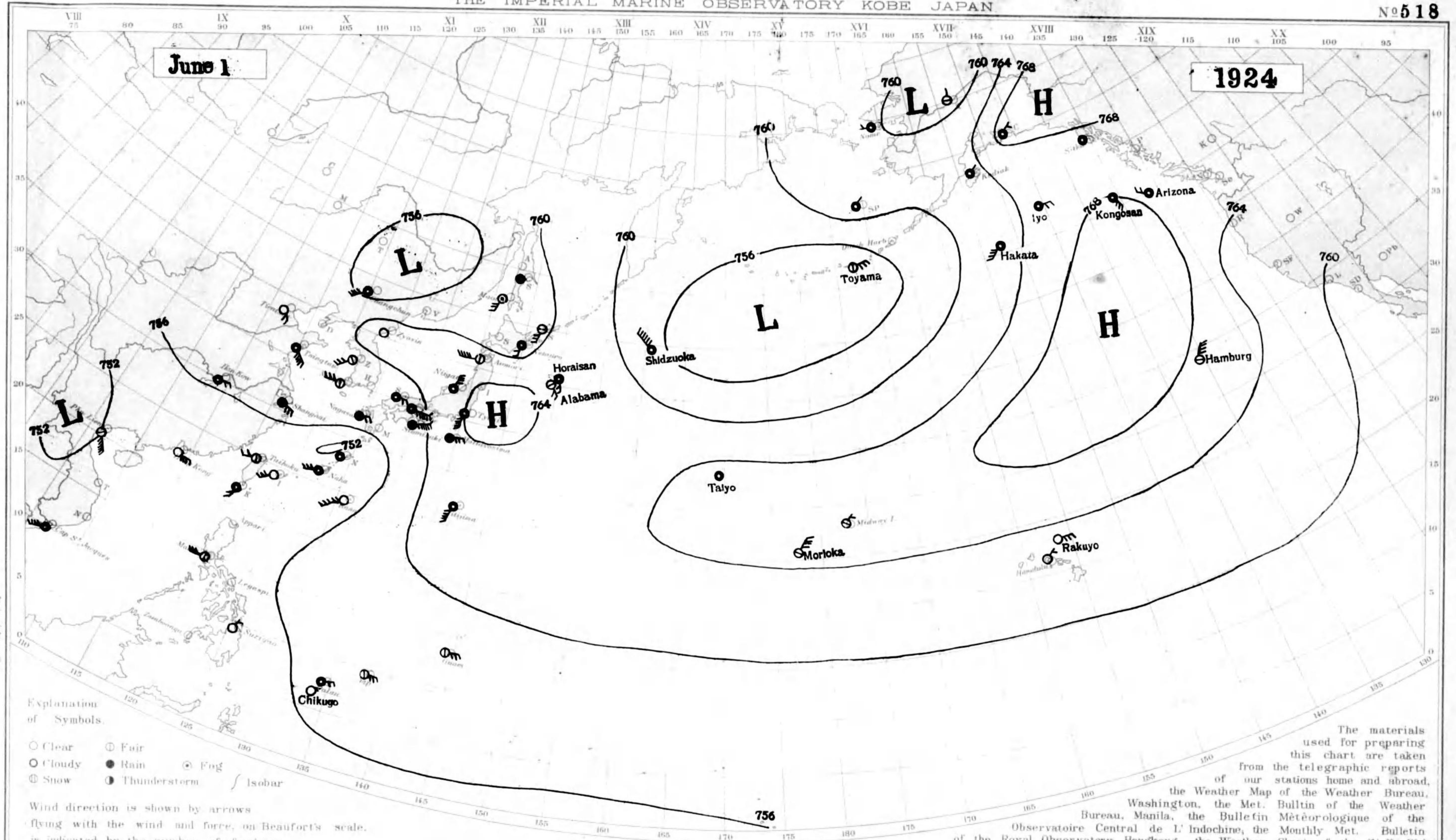


THE IMPERIAL MARINE OBSERVATORY,
KOBE, JAPAN.

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

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

No 518



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.

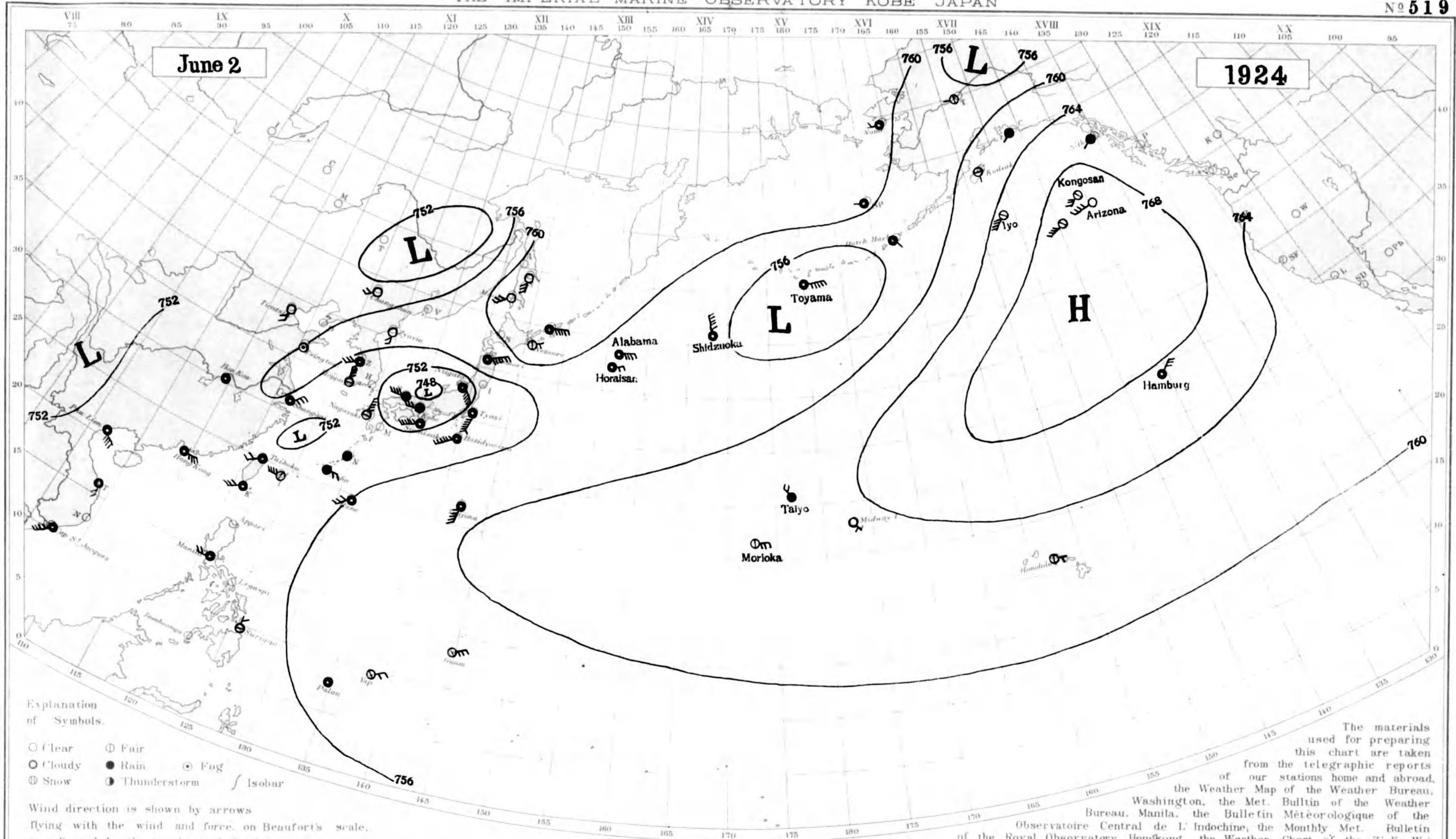
The materials used for preparing this chart are taken from the telegraphic reports of our stations home and abroad, the Weather Map of the Weather Bureau, Washington, the Met. Bulletin of the Weather Bureau, Manila, the Bulletin Météorologique of the Observatoire Central de L'Indochine, the Monthly Met. 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	Tyos	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 sea level and Std. Gr.)	754.5	754.5	757.6	759.6	759.9	764.0	762.6	761.6	762.0	761.4	758.8	758.4	757.7	760.5	755.7	757.7	758.7
Air Temperature (in C)	31.5	26.7	19.3	18.6	24.0	23.4	20.4	27.5	22.3	26.8	11.5	9.0	24.3	22.9	30.1	30.6	18.2
Direction and Force of Winds (0-12)	WNW 2	WSW 3	ENE 2	ENE 7	E 7	SSW 5	ENE 3	SSW 5	NNE 4	W 5	S 2	SSW 3	W 3	S 3	SW 4	SE 2	SE 5
Weather	fair	cloudy	rain	rain	cloudy	cloudy	rain	cloudy	cloudy	fair	cloudy	fog	fair	clear	cloudy	clear	cloudy
Station	Shanghai	Hankow	Rasa	Palau	Hongkong	Manila	Surigao	Guam	Yap	Phu-Lien	Cap-S-Jacques	Honolulu	Midway-I.	Nome	Sitka	Dutch Harbor	Kodiak
Hour of Observation	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	14 ^h	14 ^h	14 ^h	14 ^h	14 ^h	10 ^h	10 ^h	20 ^h	18:30 ^h	20 ^h , 135 W	20 ^h , 135 W	20 ^h , 135 W	20 ^h , 135 W
Atm. Pressure (Red to sea level and Std. Gr.)	756.7	756.4	755.5	757.2	754.7	756.0	756.8	759.3	758.6	753.6	757.3	762.5	766.1	760.5	767.1	756.9	763.5
Air Temperature (in C)	19.9	28.7	27.3	30.2	28.	32.	31.	-	-	30.	26.	23.	21.	2.	9.	7.	7.
Direction and Force of Winds (0-12)	ESE 3	ENE 2	SW 5	ENE 2	E 4	W 3	NNE 1	E 3	E 3	SE 6	WSW 4	NE 1	NE 1	W 1	calm	calm	NE -
Weather	rain	cloudy	clear	cloudy	clear	fair	clear	fair	fair	fair	cloudy	clear	fair	cloudy	cloudy	fair	cloudy

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

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

No 519



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.

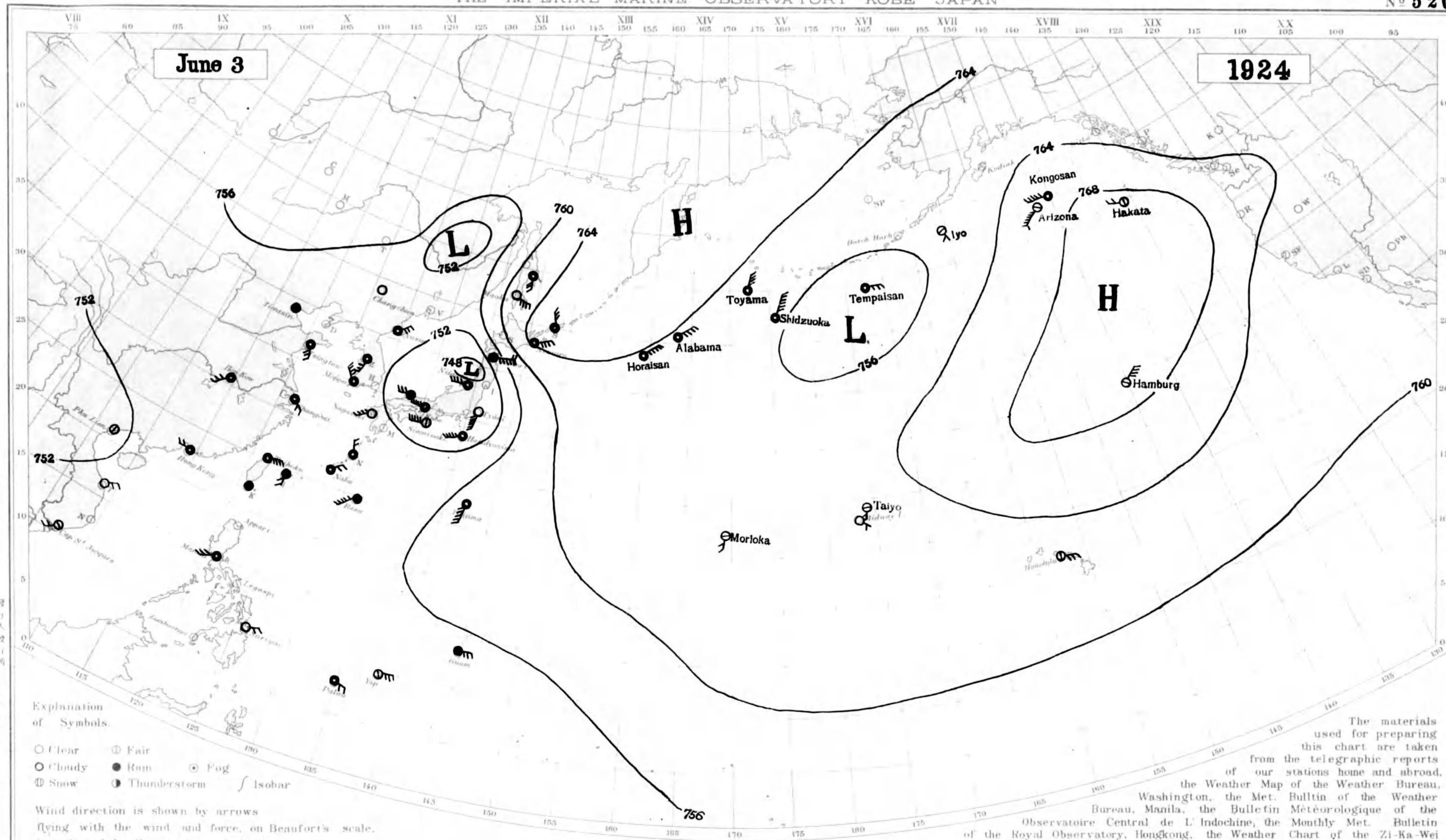
Station	Taihoku 12 ^h , 135 E	Naha 12 ^h , 135 E	Nagasaki 12 ^h , 135 E	Simsaki 12 ^h , 135 E	Kobe 12 ^h , 135 E	Tyosi 12 ^h , 135 E	Hatidyosima 12 ^h , 135 E	Titizima 12 ^h , 135 E	Niigata 12 ^h , 135 E	Aomori 12 ^h , 135 E	Nemuro 12 ^h , 135 E	Maoka 12 ^h , 135 E	Moppo 12 ^h , 135 E	Zyosin 12 ^h , 135 E	Changchun 12 ^h , 135 E	Tientsin 12 ^h , 135 E	Tsingtau 12 ^h , 135 E
Atm. Pressure (Red. to m.s.l. and Std. air)	754.9	754.3	754.6	750.1	749.2	752.7	753.6	759.6	750.4	756.8	762.2	762.8	755.2	756.2	752.7	754.2	756.0
Air Temperature (in C)	29.8	24.2	22.1	24.0	19.5	23.0	22.0	26.3	26.5	18.3	12.0	12.0	22.5	17.1	31.0	29.1	17.4
Direction and Force of Winds (0-12)	SW 2	E 2	NNW 5	WSW 6	W 3	SSW 7	SW 6	SSW 5	SE 5	ENE 6	ENE 1	SW 3	N 4	S 2	SW 2	S 2	SSE 4
Weather	cloudy	rain	fair	rain	cloudy	cloudy	cloudy	cloudy	cloudy	cloudy	fair	clear	fair	clear	clear	clear	fog
Station	Sanghai 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. air)	755.9	755.6	756.0	756.6	754.4	757.2	757.1	758.0	757.8	754.3	757.8	762.5	763.5	760.5	767.6	758.9	761.5
Air Temperature (in C)	21.0	29.3	28.9	28.4	29.	30.	31.	-	-	30.	25.	24.	23.	1.	7.	7.	7.
Direction and Force of Winds (0-12)	NE 3	calm	SW 3	calm	E 4	W 2	N 1	ENE 3	ENE 2	SE 4	SW 4	E 1	SE 1	W 1	SW -	SE -	S -
Weather	cloudy	cloudy	cloudy	cloudy	cloudy	cloudy	fair	fair	fair	cloudy	cloudy	fair	clear	cloudy	rain	cloudy	fair

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 520



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.

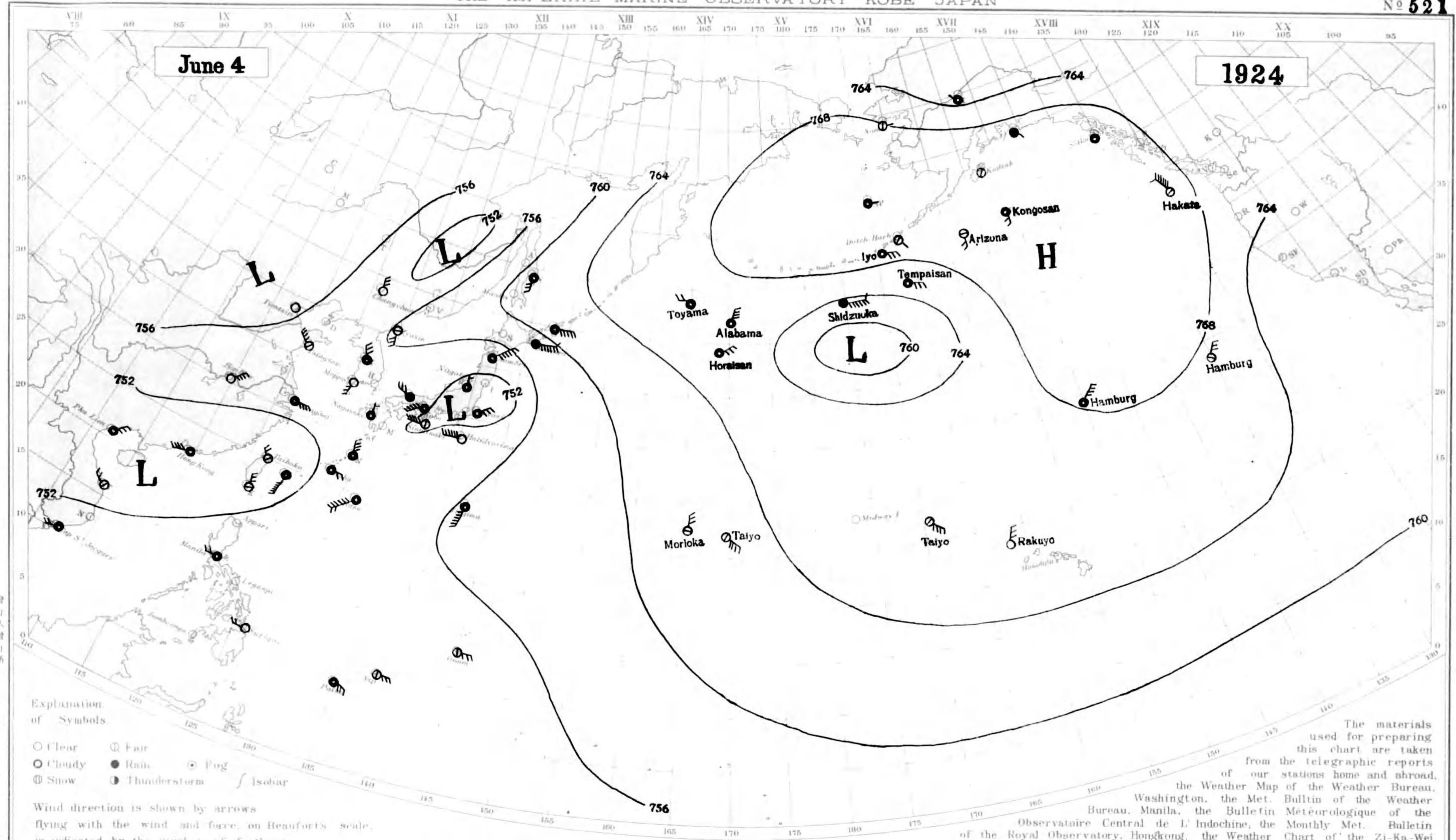
Station	Taihoku	Naha	Nagasaki	Siomi saki	Kobe	Tyosi	Hatidyosima	Titizima	Niigata	Aomori	Nemuro	Mooka	Moppo	Zyosui	Changchun	Tientsin	Tsingtau
Hour of Observation	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E
Atm. Pressure (Red to sea level and Std. Gr. * not reduced to Std. Gr.)	754.9	753.6	753.9	750.8	750.1	750.0	751.3	756.4	748.3	754.5	764.1	760.2	754.2	754.7	753.1	754.7	753.6
Air Temperature (in C)	30.6	25.2	23.3	24.0	20.5	23.4	22.8	25.6	19.8	11.1	5.0	18.9	18.5	22.5	30.3	21.4	20.6
Direction and Force of Winds (0-12)	E 4	NE 2	SW 4	W 5	W 5	SSW 6	WSW 5	SSW 5	W 4	E 8	ENE 4	ESE 4	NW 4	NE 3	calm	calm	SSE 3
Weather	cloudy	cloudy	clear	fair	cloudy	clear	cloudy	cloudy	cloudy	rain	cloudy	clear	cloudy	cloudy	clear	rain	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 , 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	19 : 30 ^h	-	20 ^h , 135 W	20 ^h , 135 W	20 ^h , 135 W
Atm. Pressure (Red to sea level and Std. Gr. * not reduced to Std. Gr.)	754.0	754.7	753.1	755.1	752.3	755.0	755.4	757.6	756.6	753.3	756.8	763.5	763.0	-	-	-	-
Air Temperature (in C)	24.4	23.6	26.1	30.7	30.	31.	32.	-	-	30.	28.	24.	24.	-	-	-	-
Direction and Force of Winds (0-12)	SE 2	SW 3	SW 5	ESE 2	W 2	WSW 3	ENE 2	E 3	ENE 3	ESE 4	SW 2	E 3	SE 1	-	-	-	-
Weather	cloudy	cloudy	rain	cloudy	cloudy	cloudy	clear	rain	fair	fair	fair	fair	clear	-	-	-	-

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 521



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.

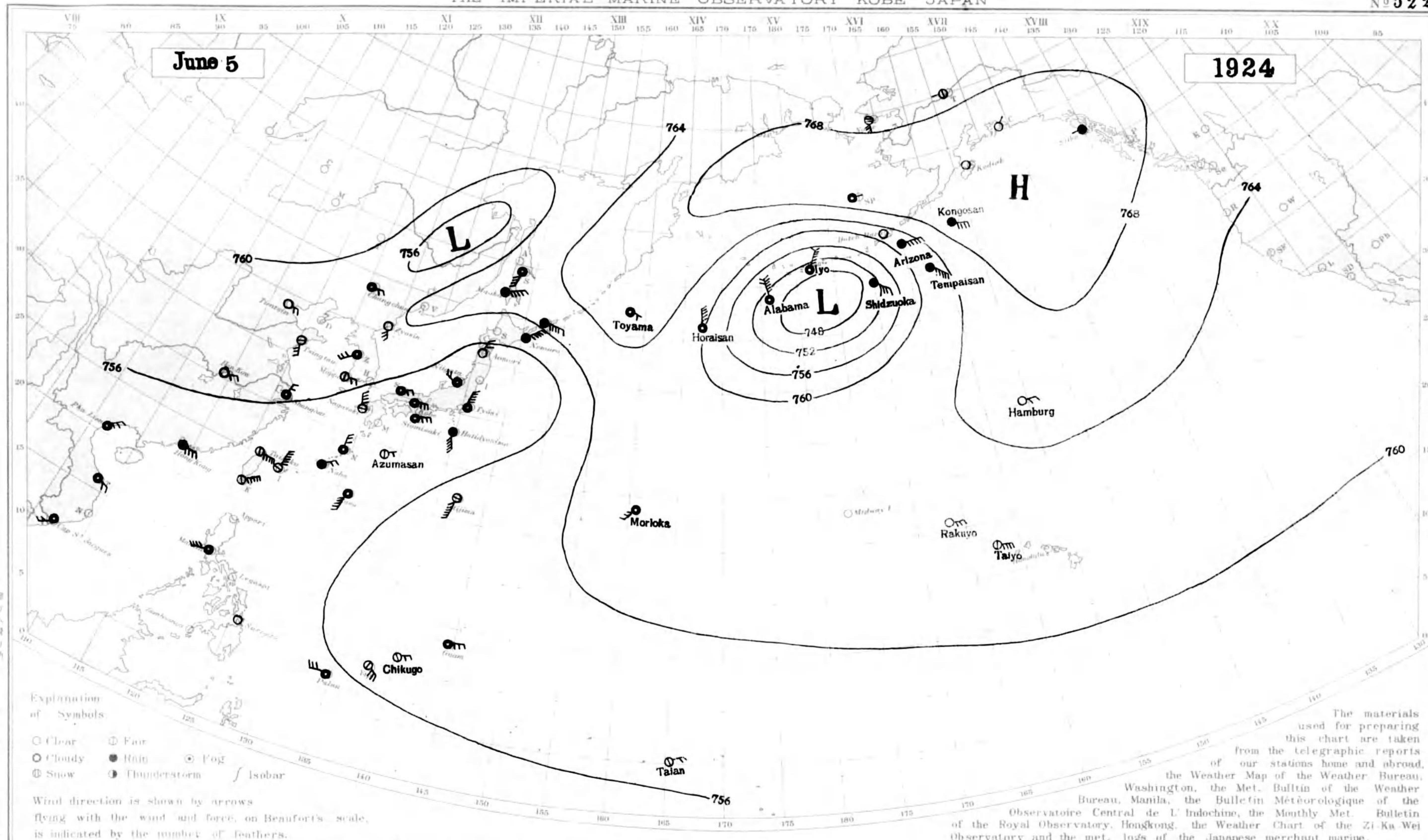
Station	Taihoku	Naha	Nagasaki	Siomi saki	Kobe	Tyosi	Hatidyosima	Titi zima	Niigata	Aomori	Nemuro	Maoka	Moppo	Zyosin	Changchun	Tientsin	Tsingtan
Hour of Observation	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E
Atm. Pressure (Red to m.s.l. and Std. Gr.)	750.0	753.1	753.6	751.4	752.4	750.6	752.3	756.1	751.6	753.0	757.5	-	753.7	756.6	753.0	756.1	755.8
Air Temperature (in C)	31.6	25.4	24.2	24.8	21.6	18.2	23.9	26.3	18.0	12.3	6.3	-	24.7	16.3	30.8	28.6	22.5
Direction and Force of Winds (0-12)	NW 2	E 2	N 2	W 5	SW 5	NE 3	W 7	SSW 6	N 2	NE 6	E 7	-	SSW 3	S 3	N 3	calm	NW 5
Weather	fair	cloudy	cloudy	fair	cloudy	cloudy	clear	cloudy	cloudy	cloudy	rain	-	clear	fair	clear	clear	fair
Station	Shanghai	Hankow	Rosa	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.)	753.6	754.3	753.8	754.2	750.8	754.8	754.6	756.7	755.9	752.5	756.5	-	-	768.0	770.6	769.6	769.6
Air Temperature (in C)	23.6	29.6	25.3	30.5	32.	30.	32.	-	-	26.	28.	-	-	2.	8.	8.	10.
Direction and Force of Winds (0-12)	E 4	NE 4	SW 8	ESE 3	WSW 4	W 2	W 2	E 3	E 3	NE 3	WSW 2	-	-	E 1	calm	SE -	calm
Weather	cloudy	clear	cloudy	cloudy	cloudy	cloudy	clear	fair	fair	cloudy	cloudy	-	-	fair	cloudy	fair	fair

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 522



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.

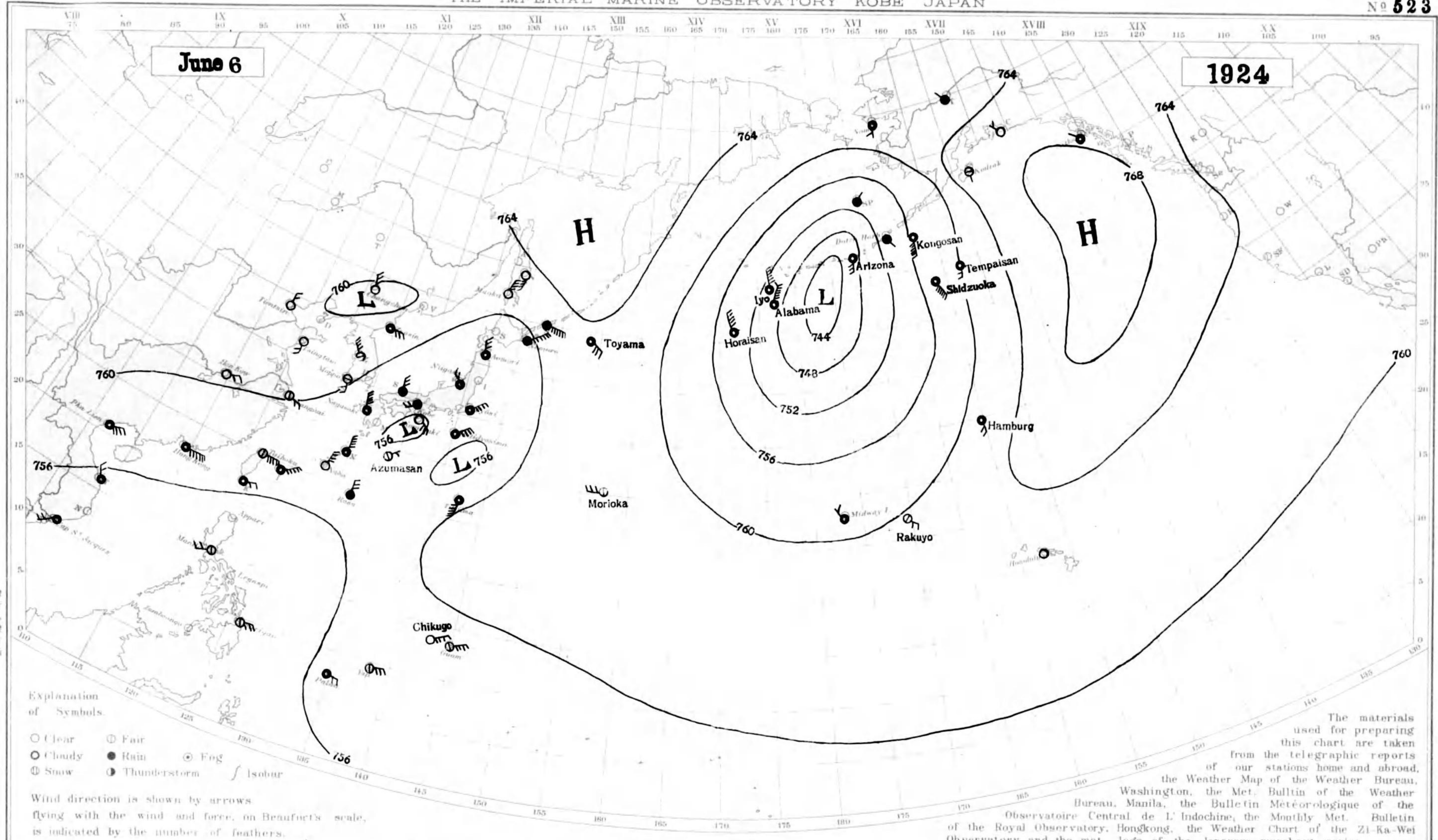
Station	Taihoku	Naha	Nagasaki	Siomasaki	Kobe	Tyosi	Hatidyosima	Titizima	Niigata	Aomori	Nemuro	Maoka	Moppe	Zyosin	Changchun	Tientsin	Tsingtan
Hour of Observation	12 ^h , 135°E	12 ^h , 135°E	12 ^h , 135°E	12 ^h , 135°E	12 ^h , 135°E	12 ^h , 135°E	12 ^h , 135°E	12 ^h , 135°E	12 ^h , 135°E	12 ^h , 135°E	12 ^h , 135°E	12 ^h , 135°E	12 ^h , 135°E	12 ^h , 135°E	12 ^h , 135°E	12 ^h , 135°E	12 ^h , 135°E
Atm. Pressure (Red. to sea level and not reduced to 30 in. Hg)	755.4	754.7	755.1	754.4	754.4	755.3	755.6	758.3	755.9	755.3	756.7	761.9	763.1	759.5	756.5	758.2	758.5
Air Temperature (in C)	29.1	22.5	21.8	19.9	20.8	19.0	19.2	27.5	18.7	18.5	7.5	14.4	21.5	15.3	29.9	32.0	19.2
Direction and Force of Winds (0-12)	E 5	NE 2	NNW 4	ENE 3	E 3	NNE 5	SSE 5	SSW 6	WNW 2	NNE 2	NE 5	ENE 5	E 2	SSE 3	E 2	E 3	SSE 3
Weather	fair	rain	fair	cloudy	cloudy	cloudy	rain	fair	cloudy	clear	rain	rain	fair	clear	cloudy	clear	fair
Station	Shanghai	Hankow	Rusa	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 ^h , 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 not reduced to 30 in. Hg)	758.4	758.4	754.6	755.9	755.3	756.6	756.0	758.9	757.8	755.2	757.0	-	-	767.1	769.1	763.5	770.6
Air Temperature (in C)	22.7	28.9	27.4	28.6	25.	31.	32.	-	-	23.	28.	-	-	0.	7.	12.	12.
Direction and Force of Winds (0-12)	NNE 2	ENE 2	SSW 5	W 3	E 4	WSW 4	calm	ENE 3	SE 3	NE 3	SW 2	-	-	S 3	W -	calm	calm
Weather	cloudy	clear	cloudy	cloudy	rain	cloudy	clear	cloudy	fair	cloudy	cloudy	-	-	snow	rain	clear	clear

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 523



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.

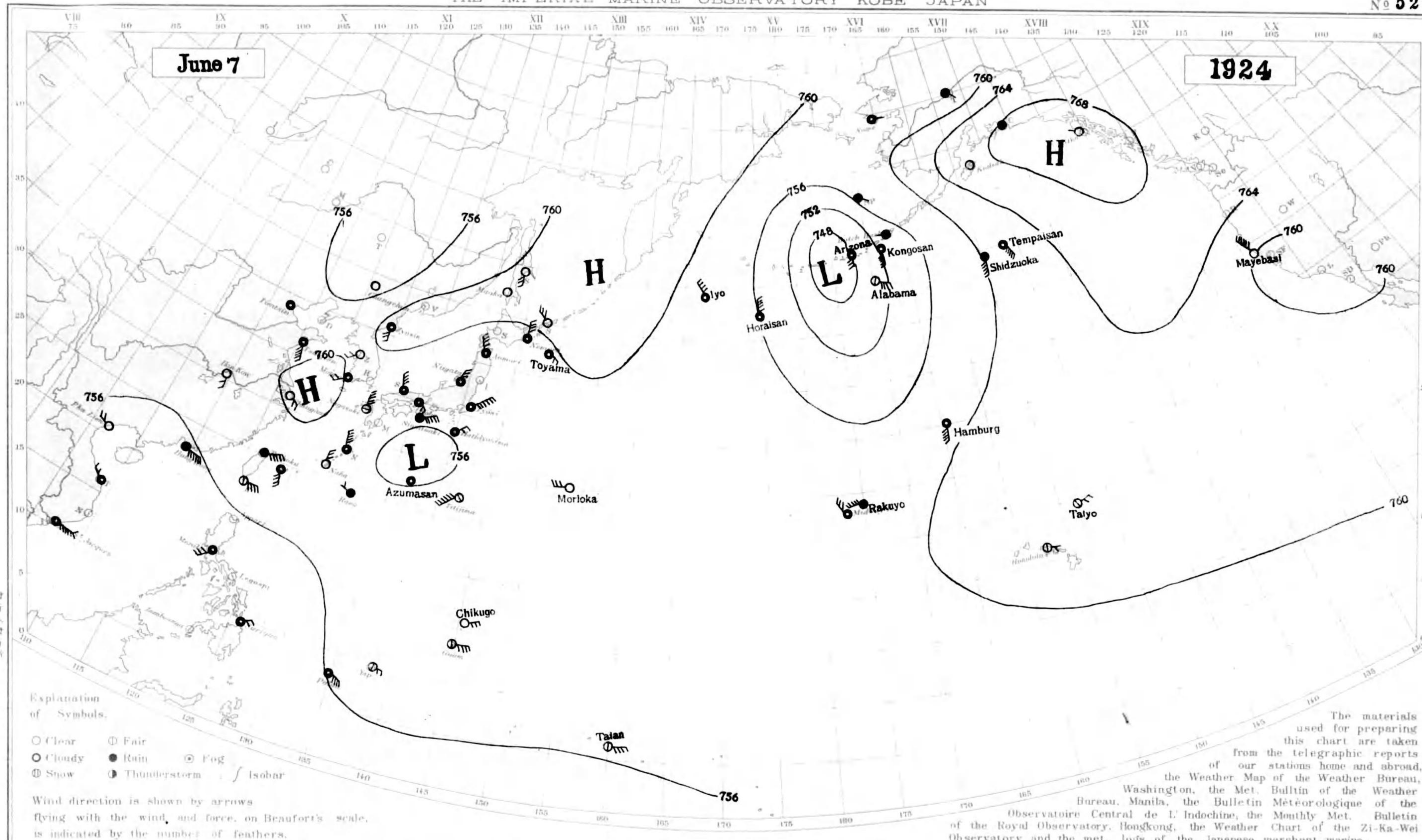
Station	Taihoku	Naha	Nagasaki	Siomaki	Kobe	Tyosi	Hatidyosima	Tiuzima	Niigata	Aomori	Nemuro	Maoka	Moppo	Zyosin	Changchun	Tientsin	Tsingtau
Hour of Observation	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E
Atm. Pressure (Red to m.s.l. and Std. Gr.)	758.2	758.8	757.8	755.7	757.1	756.6	756.1	759.8	757.3	757.7	759.5	762.9	760.5	761.8	758.2	760.6	760.2
Air Temperature (in C)	28.0	25.8	17.9	22.1	17.2	18.3	21.9	27.4	19.0	13.8	5.9	12.3	22.6	14.6	29.6	30.8	25.6
Direction and Force of Winds (0-12)	E 5	NNE 4	NNW 5	SE 3	SW 2	NE 4	NE 4	SSW 5	NW 2	NNW 3	NE 6	NNE 4	SSE 2	E 3	NNW 3	N 2	S 2
Weather	fair	clear	cloudy	clear	rain	cloudy	cloudy	cloudy	cloudy	cloudy	rain	clear	fair	cloudy	clear	clear	clear
Station	Shanghai	Hankow	Rasa	Palau	Hongkong	Manila	Sorogao	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 Std. Gr.)	760.1	760.6	757.0	756.5	756.8	756.8	756.8	758.8	758.3	758.2	757.6	762.0	759.5	761.5	767.6	752.3	766.1
Air Temperature (in C)	26.2	31.2	24.6	28.3	27.	32.	31.	-	-	26.	29.	23.	21.	2.	8.	8.	9.
Direction and Force of Winds (0-12)	E 2	KNE 2	N 3	ESE 2	E 6	WSW 2	E 3	ENE 4	E 3	ENE 4	SW 2	calm	NW 1	S 1	NW -	SE -	S -
Weather	fair	clear	rain	cloudy	cloudy	fair	fair	fair	fair	cloudy	cloudy	clear	cloudy	cloudy	cloudy	rain	fair

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KÖBE JAPAN

No 524



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

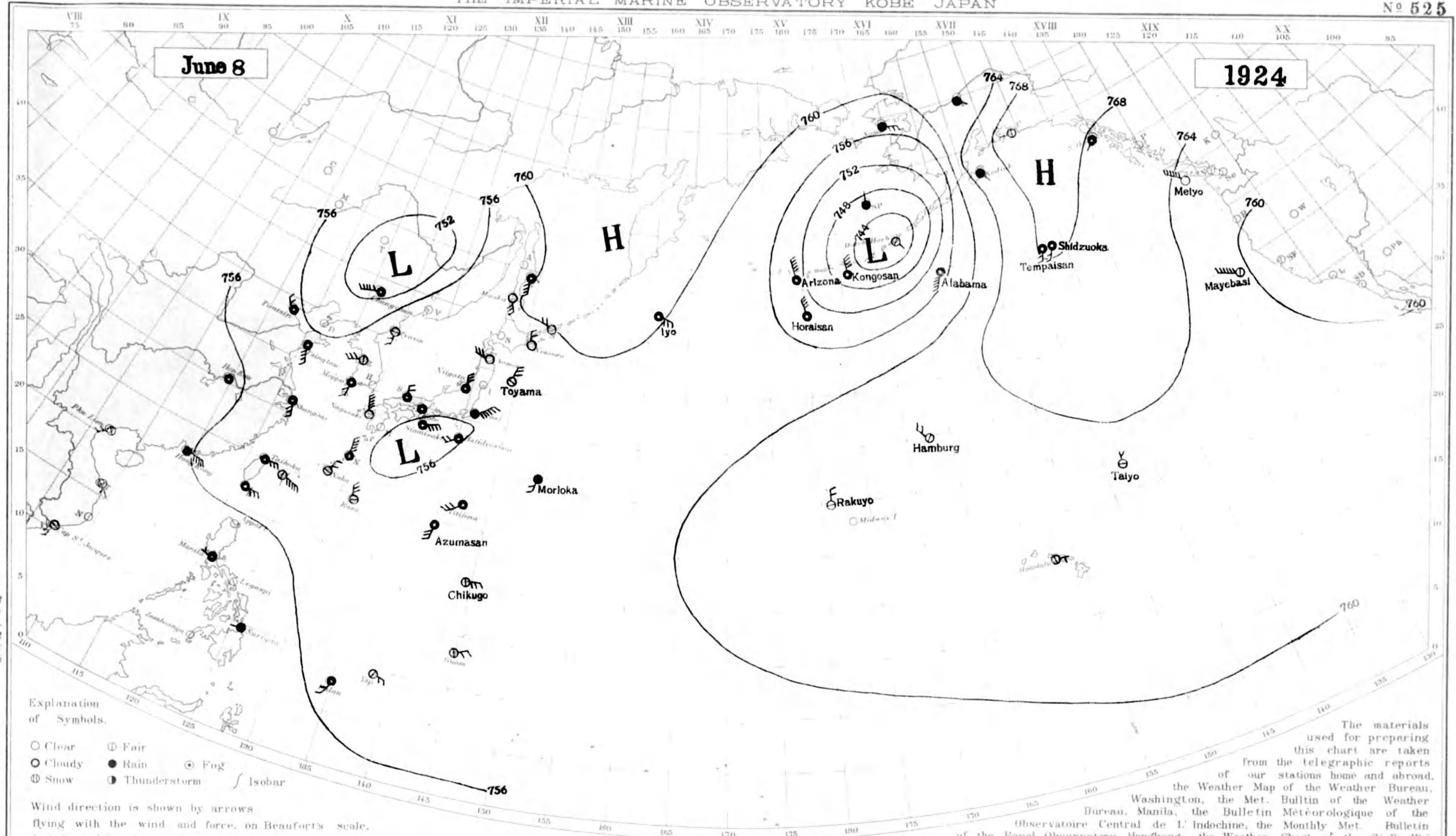
Station	Taihoku	Naha	Nagasaki	Siemtsaki	Köbe	Tyosü	Hantidosma	Titizima	Niigata	Aomori	Nemuro	Maoka	Moppo	Zyosin	Changchun	Tientsin	Tsingtau
Hour of Observation	12 ^h , 135°E	12 ^h , 135°E	12 ^h , 135°E	12 ^h , 135°E	12 ^h , 135°E	12 ^h , 135°E	12 ^h , 135°E	12 ^h , 135°E	12 ^h , 135°E	12 ^h , 135°E	12 ^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.)	757.9	759.0	758.6	756.1	757.3	758.5	756.5	758.2	758.5	759.1	759.7	761.4	759.9	760.9	755.6	757.7	759.6
Air Temperature (in C)	29.5	26.2	20.7	20.7	20.6	16.8	24.6	27.3	18.0	16.6	6.4	10.6	21.4	14.6	29.4	29.6	22.8
Direction and Force of Winds (0-12)	ENE 5	N 3	N 5	ENE 5	SE 2	NE 6	NE 2	SW 6	NNE 3	NNW 4	N 4	calm	SW 2	S 3	SW 3	calm	SSE 5
Weather	rain	clear	fair	rain	cloudy	cloudy	cloudy	fair	cloudy	cloudy	cloudy	clear	cloudy	cloudy	clear	cloudy	cloudy
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.)	760.1	758.4	758.8	756.1	755.8	756.2	756.0	759.0	758.5	757.0	756.2	762.0	758.4	758.9	770.6	752.8	765.0
Air Temperature (in C)	26.2	32.9	20.6	28.8	25.	31.	30.	-	-	30.	25.	23.	20.	2.	10.	11.	12.
Direction and Force of Winds (0-12)	ESE 2	SSE 2	WNW 1	ESE 4	E 6	SW 3	ENE 2	E 4	ESE 2	WNW 2	E 7	E 1	NW 3	E 1	NW -	W -	calm
Weather	clear	clear	rain	cloudy	rain	cloudy	cloudy	fair	fair	clear	cloudy	fair	cloudy	cloudy	clear	rain	clear

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 525



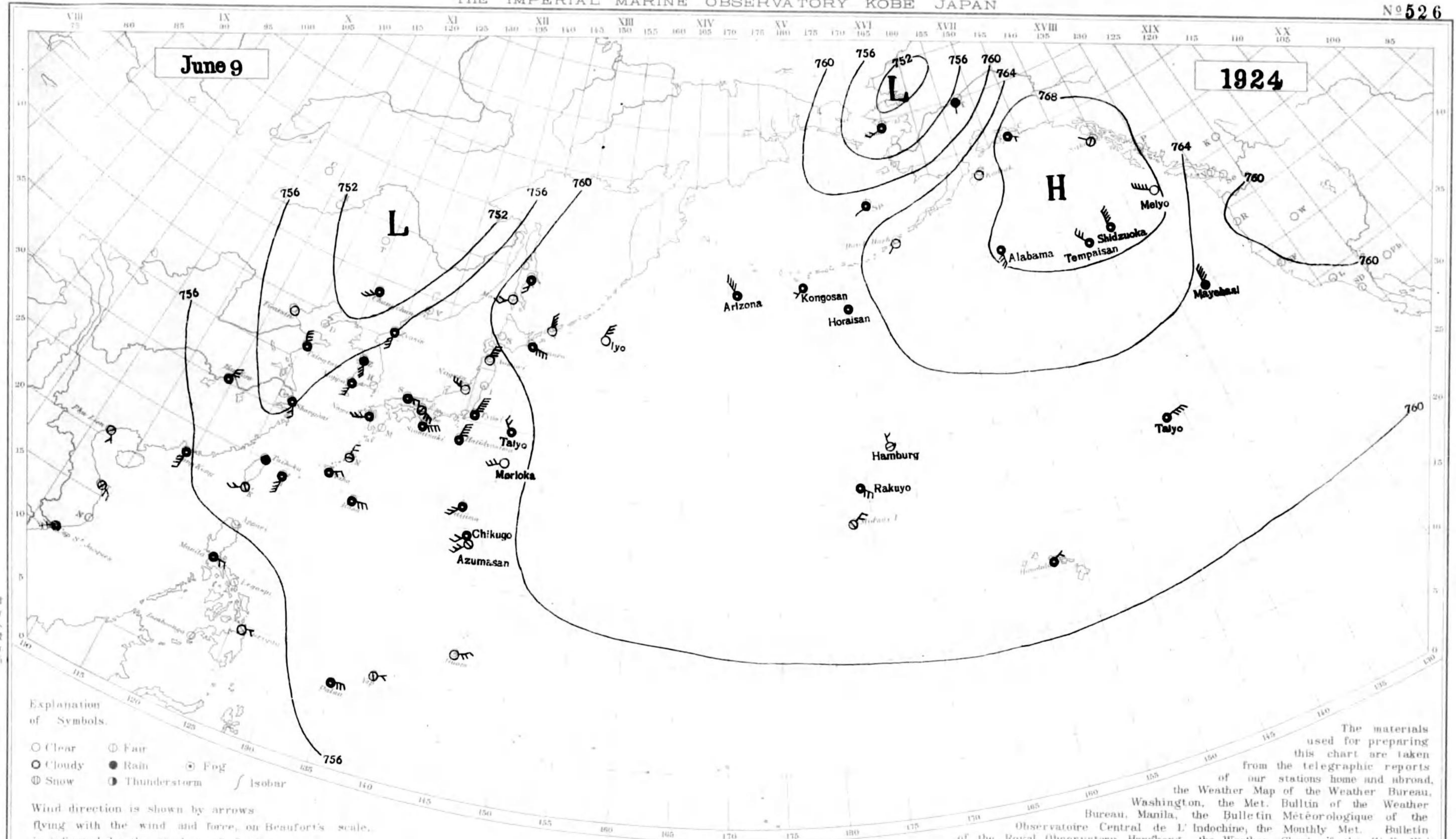
The materials used for preparing this chart are taken from the telegraphic reports of our stations home and abroad, the Weather Map of the Weather Bureau, Washington, the Met. Bulletin of the Weather Bureau, Manila, the Bulletin Météorologique of the Observatoire Central de L'Indochine, the Monthly Met. 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	Siomaki	Kobe	Tyosi	Hatidyosima	Titizima	Niigata	Aomori	Nemuro	Maoka	Moppo	Zyosin	Changchun	Tientsin	Tsingtau
Hour of Observation	12 ^h , 135°E	12 ^h , 135°E	12 ^h , 135°E	12 ^h , 135°E	12 ^h , 135°E	12 ^h , 135°E	12 ^h , 135°E	12 ^h , 135°E	12 ^h , 135°E	12 ^h , 135°E	12 ^h , 135°E	12 ^h , 135°E	12 ^h , 135°E	12 ^h , 135°E	12 ^h , 135°E	12 ^h , 135°E	12 ^h , 135°E
Atm. Pressure (Red to m.s.l. and Std. Gr.)	756.5	758.5	758.3	754.8	756.3	758.4	755.6	757.6	757.3	758.8	759.3	759.9	758.7	758.7	751.7	756.5	756.4
Air Temperature (in C)	28.4	25.8	20.1	21.3	19.7	14.6	23.7	25.6	19.8	16.2	17.5	14.3	22.1	15.6	26.9	20.6	21.2
Direction and Force of Winds (0-12)	E 3	NNE 2	NNW 5	ENE 4	calm	NE 6	SW 2	SW 3	N 3	WNW 3	NNW 2	SSE 3	SSW 2	S 2	WSW 5	NW 2	SSE 4
Weather	cloudy	fair	clear	cloudy	cloudy	rain	cloudy	cloudy	cloudy	clear	clear	clear	cloudy	fair	cloudy	cloudy	cloudy
Station	Shanghai	Hankow	Rasa	Palau	Hongkong	Manila	SURIGAO	GUAM	YAP	PHILIP	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.)	756.8	755.5	758.3	756.5	755.9	756.1	756.8	758.7	758.2	755.2	758.2	762.0	761.5	756.9	767.1	743.2	766.6
Air Temperature (in C)	26.5	31.4	24.1	32.9	25.	31.	26.	-	-	30.	29.	23.	20.	4.	9.	9.	7.
Direction and Force of Winds (0-12)	SSW 3	calm	NNW 3	SSW 2	E 6	W 1	W 1	ENE 2	ESE 2	SW 2	SSW 2	E 1	NW 1	E 3	SW -	SE -	SE -
Weather	cloudy	cloudy	fair	cloudy	rain	cloudy	rain	fair	fair	fair	fair	fair	fair	rain	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 526



甲 晴
乙 晴
丙 晴
丁 晴
戊 晴
己 晴
庚 晴
辛 晴
壬 晴
癸 晴
甲 晴
乙 晴
丙 晴
丁 晴
戊 晴
己 晴
庚 晴
辛 晴
壬 晴
癸 晴

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.

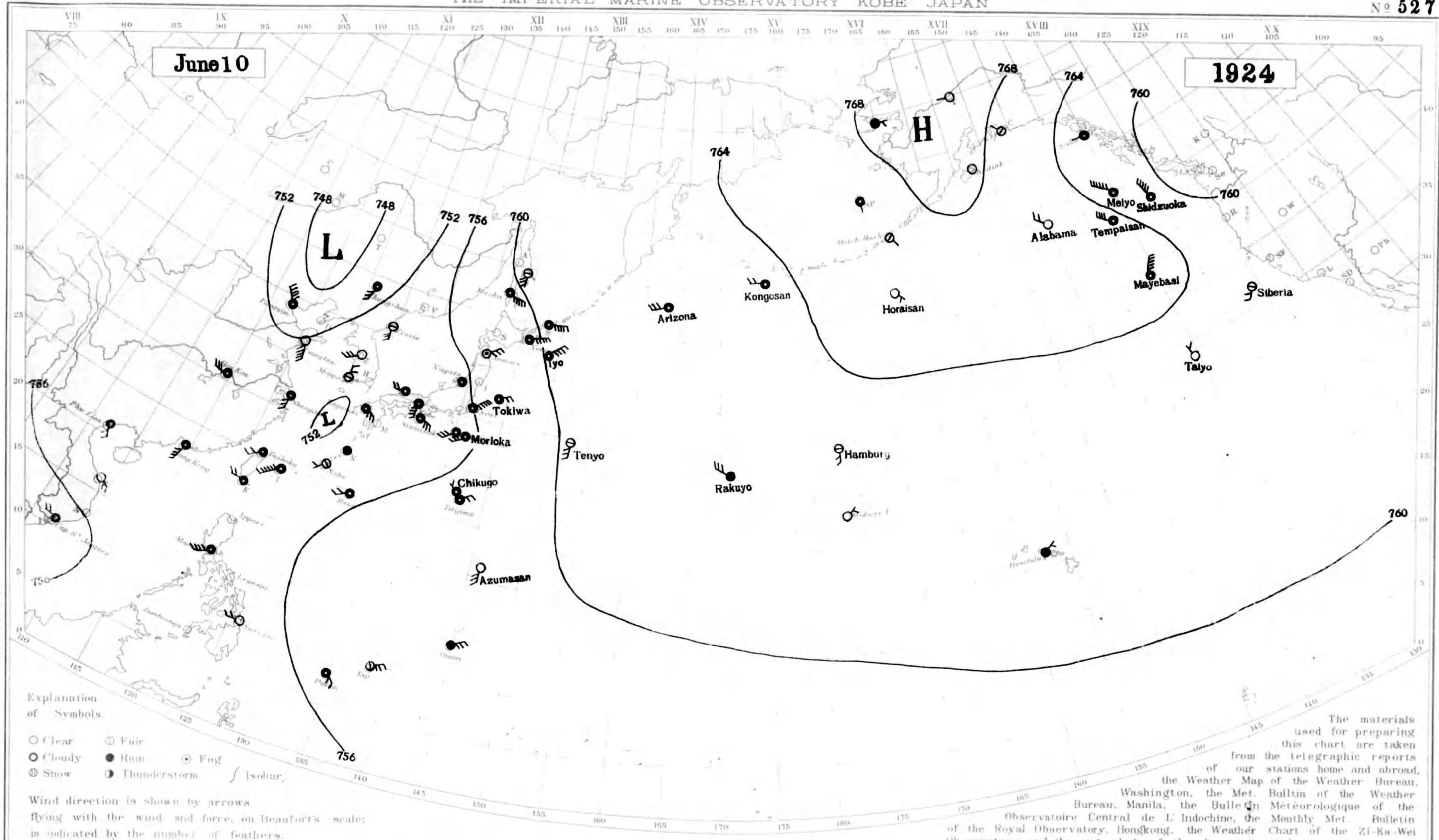
Station	Taihoku	Naha	Nagasaki	Simisaki	Kobe	Fyosai	Hatidyosima	Titizima	Niigata	Aomori	Nemuro	Maoka	Moppo	Zyosin	Changchun	Tientsin	Tsingtau
Hour of Observation	12 ^h , 135°E	12 ^h , 135°E	12 ^h , 135°E	12 ^h , 135°E	12 ^h , 135°E	12 ^h , 135°E	12 ^h , 135°E	12 ^h , 135°E	12 ^h , 135°E	12 ^h , 135°E	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 sea) and (Std. for * not reduced to Std. for)	757.1	758.8	757.9	757.1	757.2	757.6	755.9	758.6	757.8	757.7	762.3	760.3	756.3	755.5	751.4	754.9	755.3
Air Temperature (in C)	24.5	26.5	22.5	21.4	20.6	16.3	22.6	24.9	20.0	19.6	5.6	14.8	21.5	14.6	17.8	23.8	20.8
Direction and Force of Winds (0-12)	calm	ENE 2	WSW 3	ENE 4	ESE 3	NNE 6	NNE 5	SW 3	WNW 3	NNE 4	ESE 4	SW 2	SSW 3	S 4	SW 3	calm	NNW 4
Weather	rain	cloudy	cloudy	cloudy	fair	cloudy	cloudy	cloudy	clear	clear	cloudy	clear	cloudy	cloudy	cloudy	clear	cloudy
Station	Shanghai	Hankow	Rusa	Palau	Hongkong	Manila	Sarigao	Oram	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 sea) and (Std. for * not reduced to Std. for)	755.8	758.1	758.9	757.2	755.9	756.5	757.0	759.3	758.7	756.0	759.2	761.0	762.0	753.9	768.6	765.5	767.1
Air Temperature (in C)	24.8	27.3	26.0	29.2	29.	28.	30.	-	-	-	28.	23.	20.	2.	8.	11.	13.
Direction and Force of Winds (0-12)	SSE 2	NNE 3	E 3	E 3	S 4	E 2	ENE 1	ENE 3	ENE 1	SE 1	SW 2	NE 1	NE 2	SW 2	NW -	SW -	calm
Weather	cloudy	cloudy	cloudy	cloudy	cloudy	cloudy	clear	clear	fair	fair	cloudy	cloudy	fair	cloudy	fair	clear	clear

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 527



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.

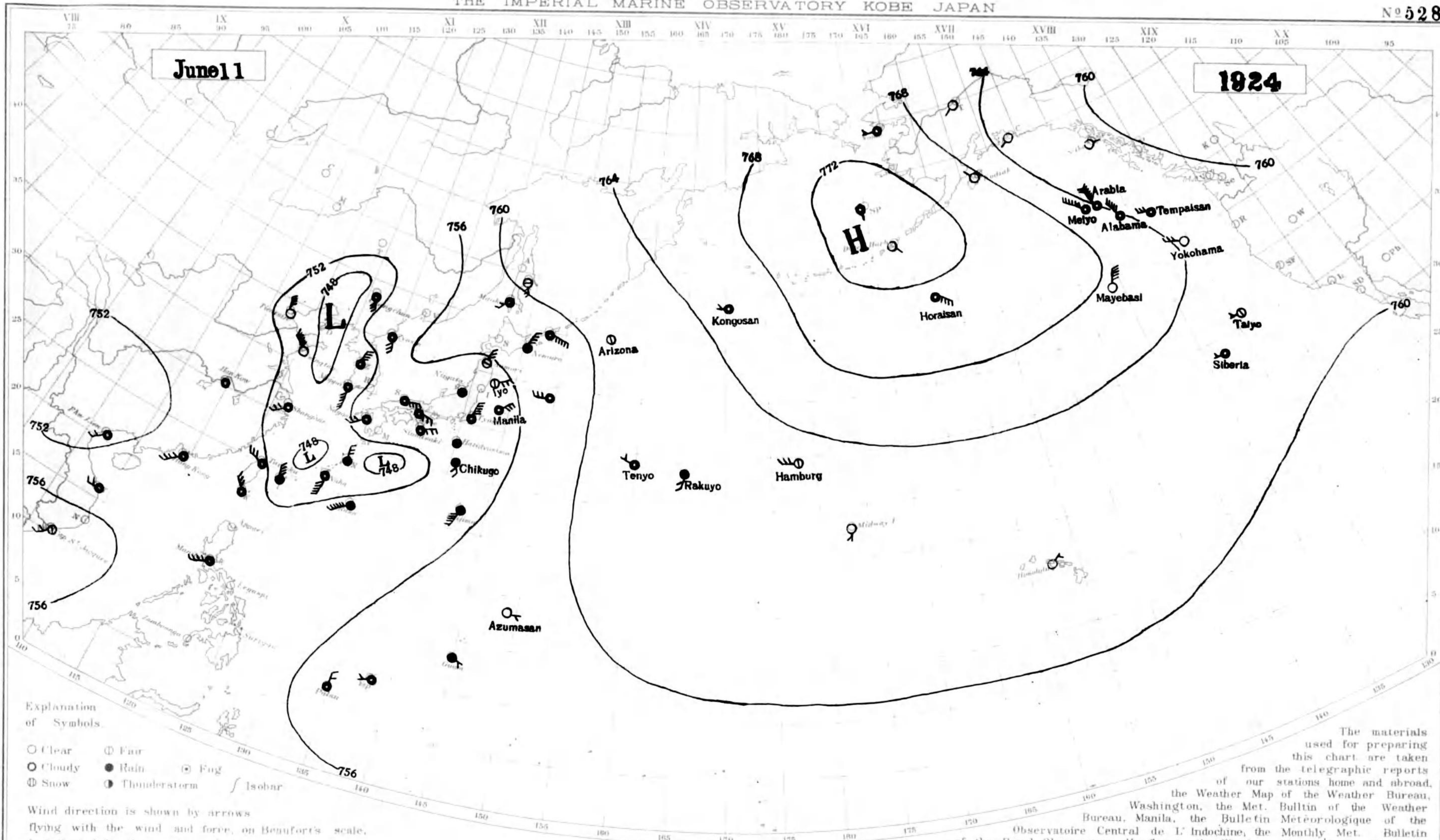
Station	Fukoku	Naha	Nagasaki	Siomisaki	Kobe	Tyosi	Hatidyosima	Titizima	Niigata	Aomori	Nemuro	Maoka	Moppo	Zyosin	Changchun	Tientsin	Tsingtau
Hour of Observation	12 ^h , 135°E	12 ^h , 135°E	12 ^h , 135°E	12 ^h , 135°E	12 ^h , 135°E	12 ^h , 135°E	12 ^h , 135°E	12 ^h , 135°E	12 ^h , 135°E	12 ^h , 135°E	12 ^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 sea level and corrected for temperature)	753.2	754.1	754.6	754.7	753.9	756.0	754.3	757.2	754.3	755.2	759.7	757.9	755.5	752.7	750.2	750.2	752.6
Air Temperature (in C)	31.0	26.6	18.9	23.1	24.3	17.2	24.2	25.9	19.9	17.4	6.4	20.3	21.0	15.5	21.3	23.2	20.4
Direction and Force of Winds (0-12)	SW 2	SW 1	SE 3	ESE 3	S 4	NE 5	SW 3	NE 2	calm	NE 3	ENE 5	ESE 5	N 2	S 3	SSW 3	NW 5	SSE 5
Weather	cloudy	fair	cloudy	cloudy	cloudy	cloudy	cloudy	cloudy	cloudy	fog	cloudy	cloudy	fair	fair	cloudy	cloudy	clear
Station	Shanghai	Hankow	Rosa	Pulau	Hongkong	Manila	Surigao	Guan	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 sea level and corrected for temperature)	753.3	755.2	756.1	756.3	755.8	756.1	757.0	757.3	757.6	754.5	759.7	760.5	761.5	769.6	761.5	766.1	770.6
Air Temperature (in C)	27.1	25.6	25.4	33.0	30.	29.	31.	-	-	31.	26.	22.	21.	2.	10.	10.	12.
Direction and Force of Winds (0-12)	S 3	W 3	SW 2	SE 2	SSW 4	WSW 4	W 2	ENE 3	ENE 3	SSE 2	W 2	NE 1	NE 1	E 1	W -	SE -	calm
Weather	cloudy	cloudy	cloudy	cloudy	cloudy	cloudy	clear	rain	fair	cloudy	cloudy	rain	clear	rain	cloudy	fair	clear

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 528



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.

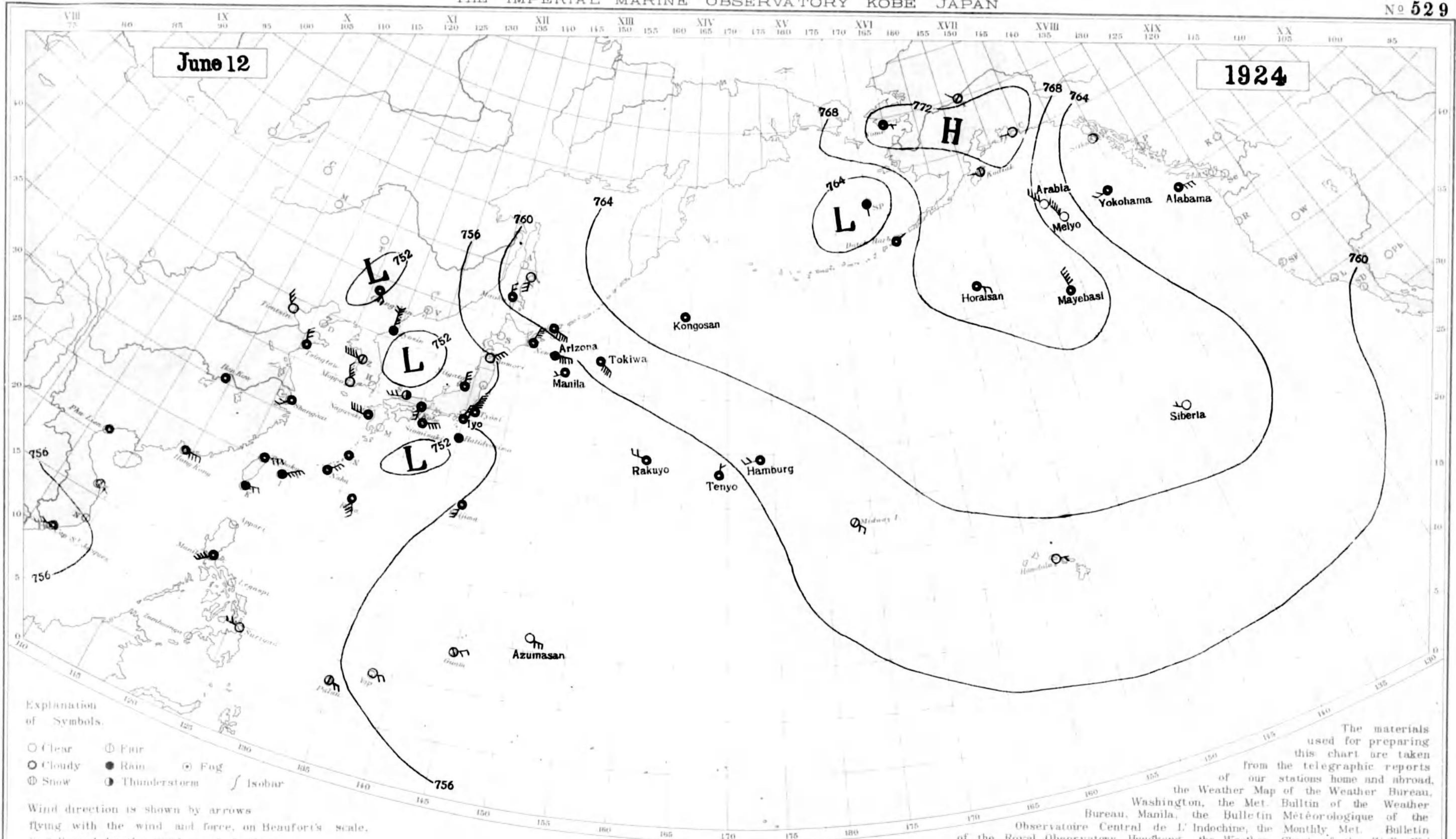
The materials used for preparing this chart are taken from the telegraphic reports of our stations home and abroad, the Weather Map of the Weather Bureau, Washington, the Met. Bulletin of the Weather Bureau, Manila, the Bulletin Météorologique of the Observatoire Central de L'Indochine, the Monthly Met. 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	Simi-saki	Kobe	Tyosi	Hatidyosoma	Tixizima	Niigata	Aomori	Nemuro	Maoka	Moppe	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 Sta. pr.)	752.2	751.2	752.8	753.6	753.3	754.6	753.8	755.4	754.4	755.4	758.5	759.1	750.5	755.3	749.9	750.3	749.6
Air Temperature (in C)	26.8	25.8	21.4	21.5	22.5	16.7	19.5	26.5	18.7	16.7	15.0	15.8	21.9	13.6	20.2	23.8	22.9
Direction and Force of Winds (0-12)	WNW 3	SSW 5	SW 3	ENE 3	ESE 3	NNE 5	calm	SSW 5	calm	NNE 3	NNE 4	SW 2	S 6	SSE 3	SSE 3	NNW 4	NW 6
Weather	cloudy	cloudy	cloudy	cloudy	cloudy	cloudy	rain	rain	rain	fair	rain	cloudy	cloudy	cloudy	cloudy	clear	clear
Station	Shanghai	Hankow	Russa	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 sea l. and Sta. pr.)	751.5	754.7	753.9	756.6	752.3	756.0	-	758.0	757.6	752.6	759.2	761.5	761.5	771.1	761.5	772.7	770.1
Air Temperature (in C)	25.7	28.6	28.1	26.5	30.	30.	-	-	-	32.	26.	24.	23.	3.	18.	11.	12.
Direction and Force of Winds (0-12)	SW 3	calm	SW 6	N 2	SW 4	WSW 4	-	-	-	SW 2	SW 2	NE 1	S 1	W 1	E -	SE -	NW -
Weather	cloudy	cloudy	rain	cloudy	cloudy	cloudy	-	rain	cloudy	cloudy	fair	clear	clear	cloudy	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 529



Explanation of Symbols.

- Clear
- ☁ Cloudy
- ⊖ Snow
- ☉ Fair
- Rain
- ⊙ Thunderstorm
- ☁ Fog
- 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.

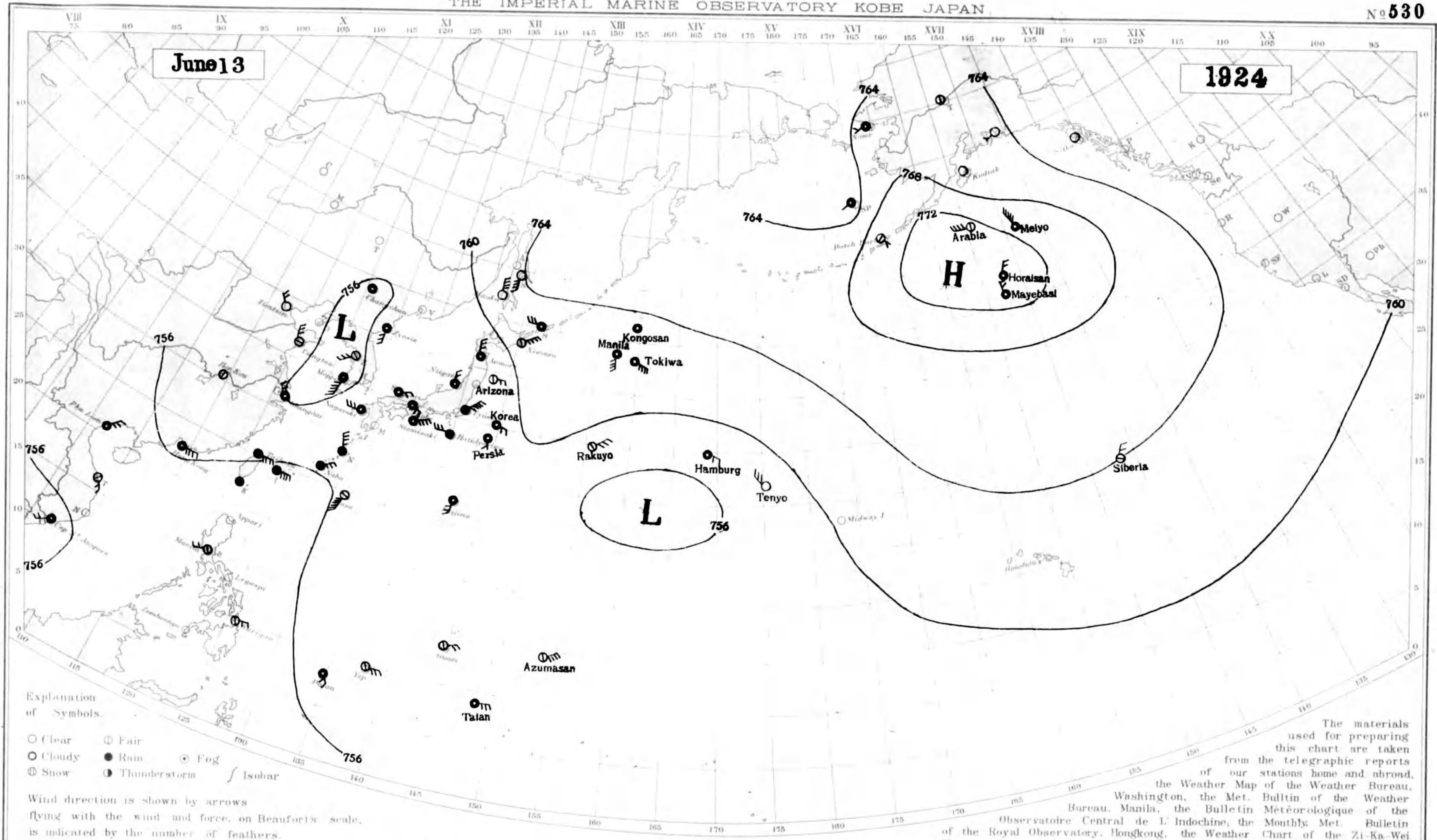
Station	Taihoku	Naha	Nagasaki	Siomi saki	Kobe	Tyosui	Hatidyosma	Titizima	Niigata	Aomori	Nemuro	Maoka	Moppo	Zyosui	Changchun	Tientsin	Tsingtau
Hour of Observation	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E
Atm. Pressure (Red. to m.s.l. and Sea level)	755.7	755.2	755.8	755.0	754.2	756.1	754.6	756.3	754.2	756.0	759.6	760.3	754.3	752.1	751.9	753.3	752.4
Air Temperature (in C)	21.8	35.0	22.9	22.9	25.7	15.6	22.7	27.9	23.6	18.6	6.7	14.1	23.6	11.7	18.3	25.6	26.0
Direction and Force of Winds (0-12)	ENE 3	NE 3	W 4	ENE 4	S 3	NNE 6	calm	SSW 3	N 3	NE 4	NNE 5	N 2	NNW 5	N 8	SE 2	NW 3	NNW 3
Weather	cloudy	cloudy	cloudy	cloudy	cloudy	cloudy	rain	cloudy	cloudy	clear	cloudy	cloudy	clear	rain	cloudy	clear	cloudy
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 Sea level)	755.2	754.9	755.4	755.8	753.8	755.8	756.4	757.6	757.6	755.4	758.8	763.5	763.0	773.2	761.0	767.1	769.6
Air Temperature (in C)	23.8	28.6	28.7	30.2	26.	32.	31.	-	-	25.	27.	24.	23.	3.	20.	10.	16.
Direction and Force of Winds (0-12)	SW 2	calm	SSE 5	ESE 2	E 4	SW 4	W 2	ENE 2	E 2	NNW 2	WSW 4	E 1	SE 2	E 1	calm	NE -	W -
Weather	cloudy	cloudy	cloudy	fair	cloudy	cloudy	clear	fair	clear	cloudy	cloudy	clear	fair	cloudy	clear	cloudy	fair

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 530



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

Station	Taihoku	Naha	Nagasaki	Siomisaki	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 30 in. Hg)	757.1	756.5	758.1	757.8	758.3	758.7	757.6	758.3	758.6	759.2	761.1	761.6	755.6	757.5	755.9	758.3	757.4
Air Temperature (in C)	21.5	21.6	23.7	21.6	22.4	16.0	22.4	27.5	21.0	16.0	11.2	10.8	23.0	14.0	15.0	27.3	24.0
Direction and Force of Winds (0-12)	E 4	NE 3	W 3	ENE 4	SE 2	NE 5	W 3	SSW 3	N 2	N 3	NE 4	N 4	SSW 5	S 3	calm	NW 2	NNW 3
Weather	rain	rain	cloudy	cloudy	cloudy	rain	rain	cloudy	cloudy	cloudy	fair	clear	cloudy	cloudy	cloudy	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	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 30 in. Hg)	756.0	757.2	756.7	756.8	756.2	757.0	756.9	758.4	758.4	756.2	758.7	-	-	765.5	761.5	869.6	766.6
Air Temperature (in C)	29.6	31.1	28.6	28.1	24.	31.	31.	-	-	23.	28.	-	-	3.	20.	9.	18.
Direction and Force of Winds (0-12)	NW 2	calm	SSW 6	SE 2	E 4	WSW 2	ENE 2	ENE 2	E 3	NE 3	SW 2	-	-	SW 1	calm	SE -	calm
Weather	cloudy	fair	fair	cloudy	cloudy	fair	fair	fair	fair	cloudy	cloudy	-	-	cloudy	clear	fair	clear

日三一月六年三二一

圖氣天洋平大北

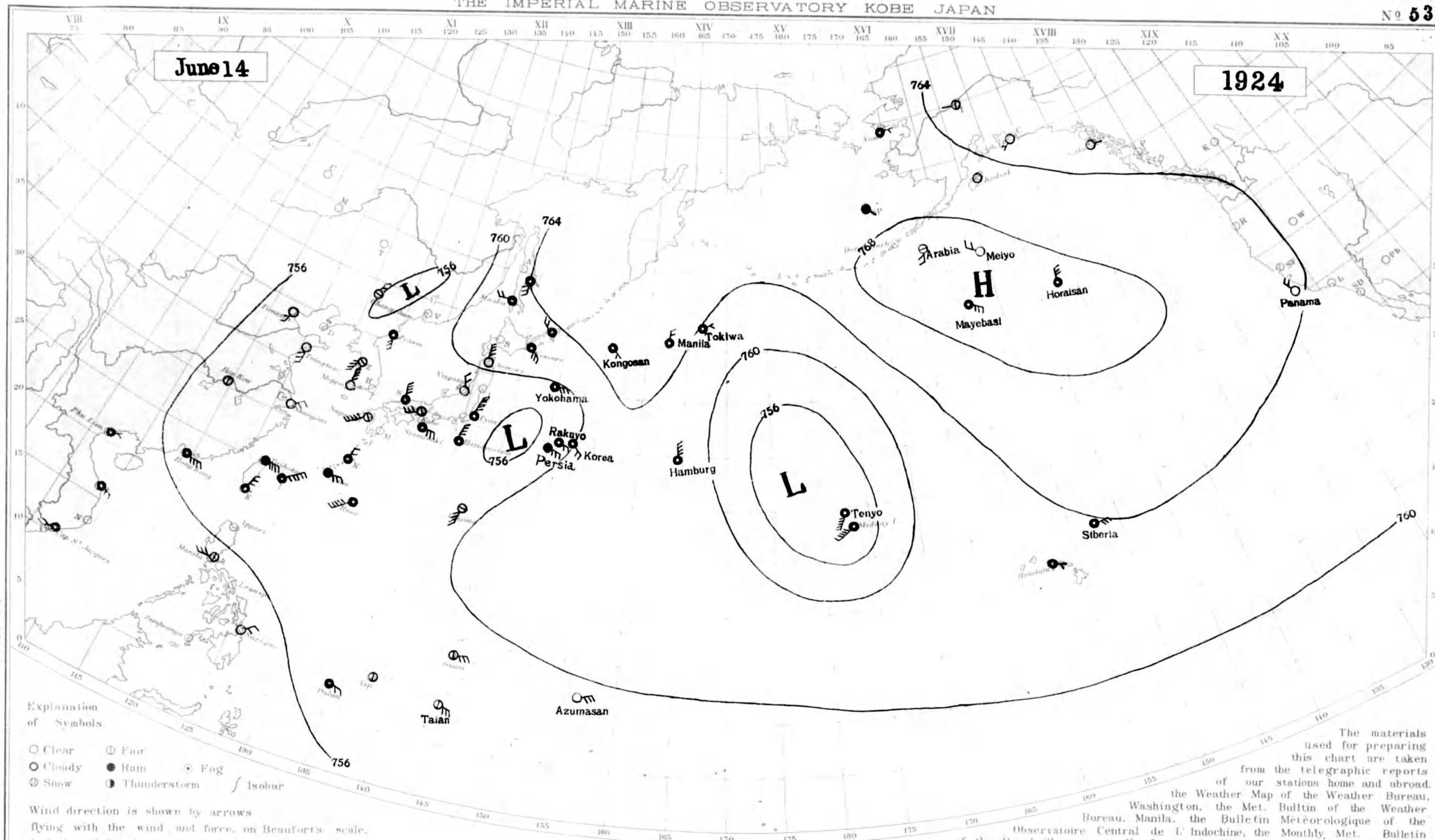
號〇三五第

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 531



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.

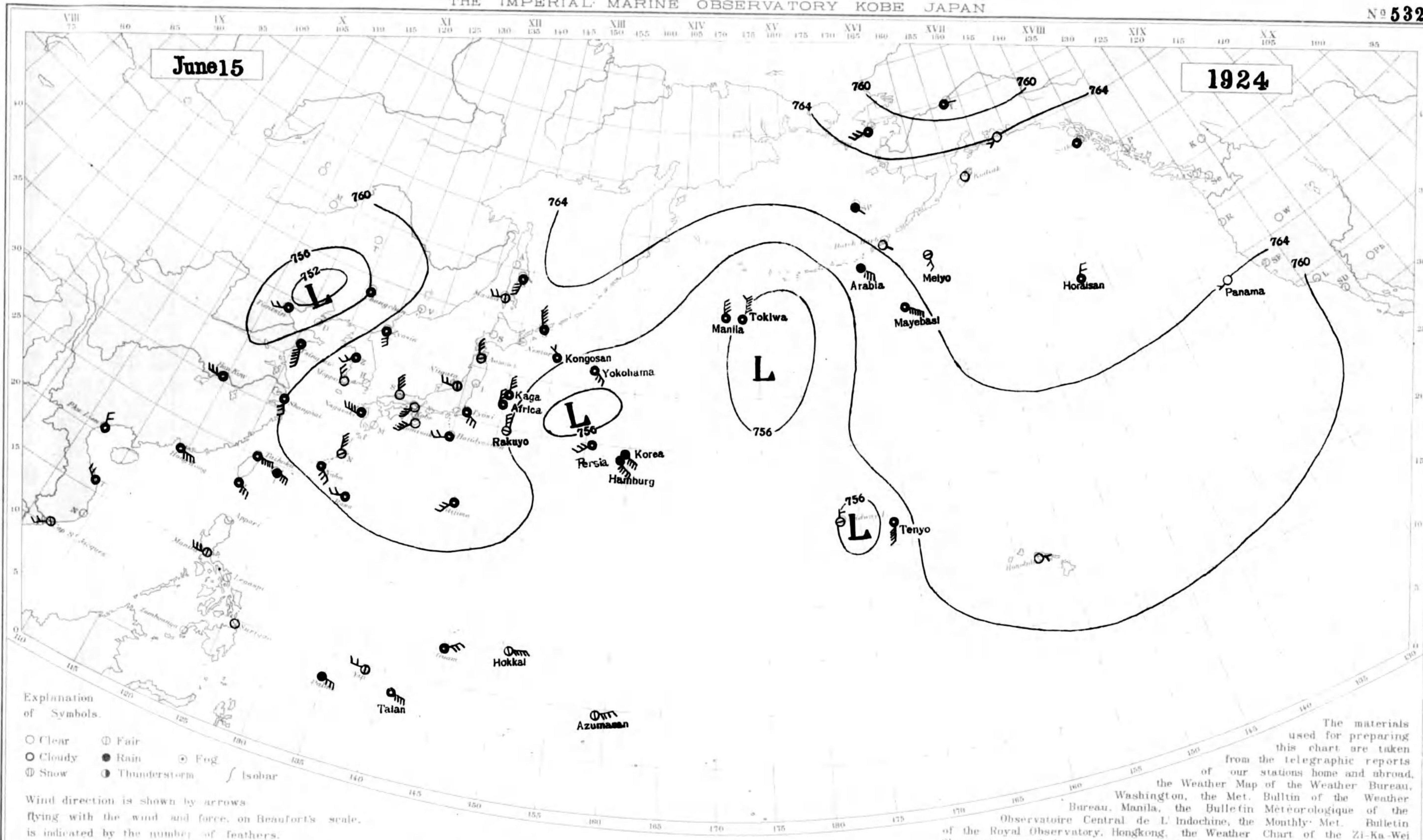
Station	Taihoku	Naha	Nagasaki	Siomasaki	Kobe	Tyosi	Hatidyosima	Tilzima	Niigata	Aomori	Nemuro	Maoka	Moppe	Zyosin	Changchun	Tientsin	Tsingtau
Hour of Observation	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E
Atm. Pressure (Red to m.s.l. and Std Gr)	758.1	758.7	758.5	758.9	758.6	759.5	758.8	759.8	759.2	760.2	762.9	762.3	758.6	759.3	756.0	756.8	759.3
Air Temperature (in C)	25.4	22.2	23.9	24.1	26.1	15.0	20.7	28.1	23.2	18.0	7.7	10.8	22.3	13.9	21.3	30.6	24.0
Direction and Force of Winds (0-12)	E 4	E 3	SW 5	ESE 3	WSW 3	NNE 6	NNE 4	SSW 4	NNW 2	N 4	SE 3	W 2	N 5	S 3	NNE 2	SSW 2	S 3
Weather	cloudy	rain	fair	cloudy	fair	cloudy	cloudy	fair	clear	clear	cloudy	cloudy	clear	cloudy	fair	clear	clear
Station	Shanghai	Hankow	Rusa	Palau	Hongkong	Manila	Surigao	Guam	Yap	Phi Lien	Cap St Jacques	Honolulu	Midway I.	Nome	Sitka	Dutch Harbor	Kodiak
Hour of Observation	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	14 ^h	14 ^h	14 ^h	14 ^h	14 ^h	10 ^h	10 ^h	20 ^h	18 : 30 ^h	20 ^h , 135 W	20 ^h , 135 W	20 ^h , 135 W	20 ^h , 135 W
Atm. Pressure (Red to m.s.l. and Std Gr)	759.9	757.8	757.9	757.2	757.1	757.4	757.0	758.9	759.1	756.4	759.5	763.0	754.4	767.6	761.5	-	765.5
Air Temperature (in C)	26.4	30.2	27.1	30.6	26.	31.	31.	-	-	29.	27.	23.	23.	4.	20.	-	18.
Direction and Force of Winds (0-12)	NE 2	calm	SW 5	ESE 2	E 4	W 3	NE 2	E 3	calm	ENE 1	WSW 2	E 1	SW 5	E 1	E -	-	calm
Weather	clear	fair	cloudy	cloudy	cloudy	fair	clear	fair	fair	cloudy	cloudy	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 532



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.

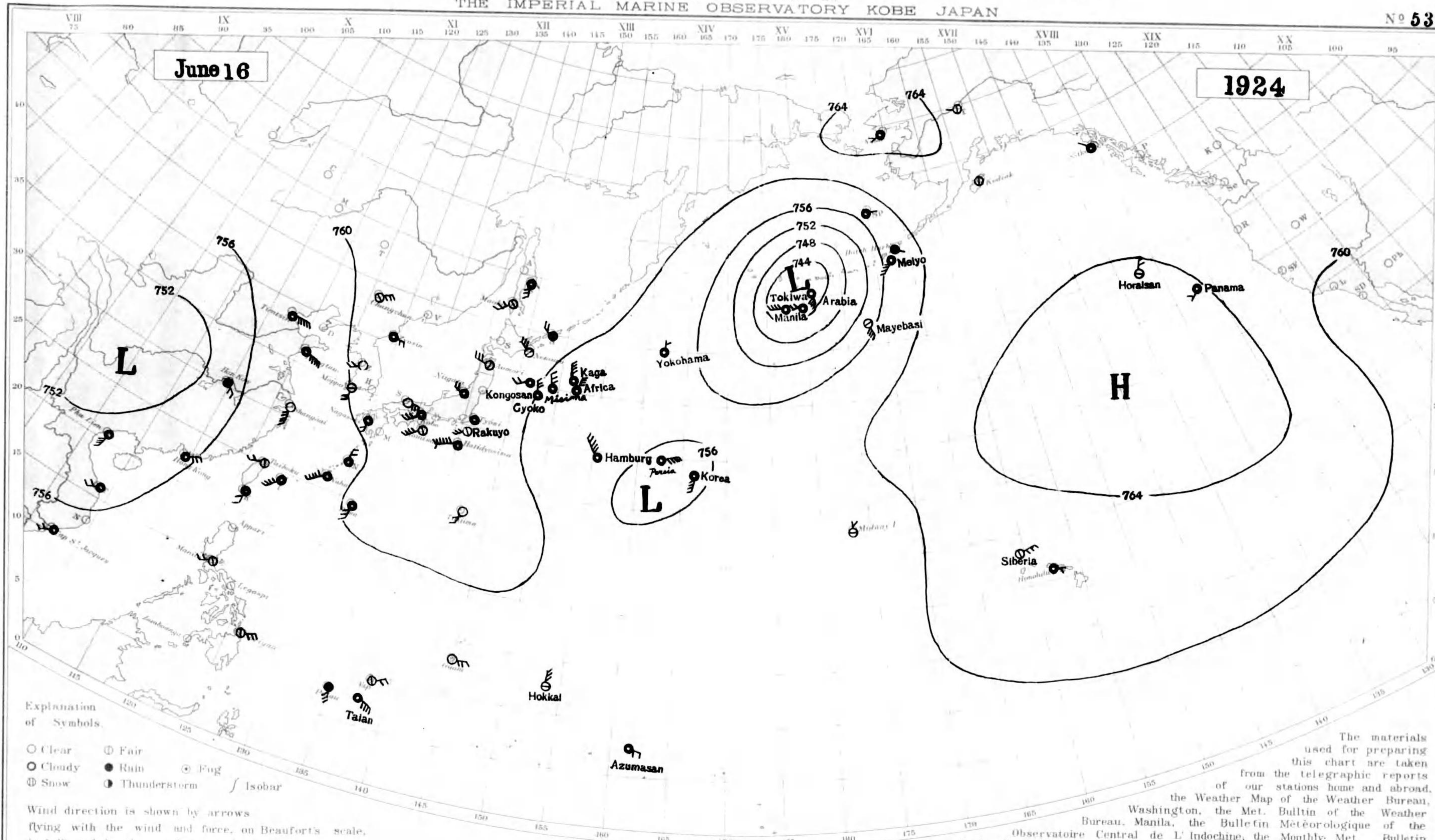
Station	Taihoku 12°N, 135°E	Naha 12°N, 135°E	Naga-saki 12°N, 135°E	Siomi-saki 12°N, 135°E	Kōbe 12°N, 135°E	Tyosi 12°N, 135°E	Hatidyosima 12°N, 135°E	Titizima 12°N, 135°E	Niigata 12°N, 135°E	Aomori 12°N, 135°E	Nemuro 12°N, 135°E	Maoka 12°N, 135°E	Moppo 12°N, 135°E	Zyosin 12°N, 135°E	Changchun 12°N, 135°E	Tientsin 12°N, 135°E	Tsingtau 12°N, 135°E
Atm. Pressure (Red to m.s.l. and Sea (S) to not reduced to sea level)	758.5	760.3	761.3	760.8	760.5	761.3	761.2	761.2	760.7	760.3	-	761.9	761.0	761.1	756.0	752.6	758.3
Air Temperature (in C)	28.8	24.4	23.5	25.3	26.4	17.3	23.9	27.7	23.0	16.0	-	13.0	24.0	12.8	24.4	32.4	21.6
Direction and Force of Winds (0-12)	E 5	SE 3	W 4	SW 4	SSW 4	SE 3	WSW 2	SW 3	W 2	NNW 3	-	W 2	NW 2	SSE 3	24.4	WSW 2	SSE 6
Weather	cloudy	cloudy	cloudy	clear	clear	cloudy	cloudy	cloudy	fair	fair	-	fair	clear	cloudy	cloudy	cloudy	cloudy

Station	Shanghai 12°N, 135°E	Hankow 12°N, 135°E	Rasa 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-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
Atm. Pressure (Red to m.s.l. and Sea (S) to not reduced to sea level)	759.9	757.5	760.9	757.4	757.4	757.7	758.1	760.2	759.9	756.3	759.7	762.5	755.9	762.5	764.5	764.5	764.5
Air Temperature (in C)	24.7	27.9	28.1	26.7	27.	32.	31.	-	-	25.	28.	23.	21.	2.	10.	10.	18.
Direction and Force of Winds (0-12)	SSE 2	W 3	WSW 2	ESE 3	E 4	W 3	calm	NE 3	W 2	NNW 2	SW 2	E 1	N 1	SW 3	calm	SE -	calm
Weather	cloudy	cloudy	cloudy	rain	cloudy	fair	clear	cloudy	fair	cloudy	fair	clear	fair	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 533



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.

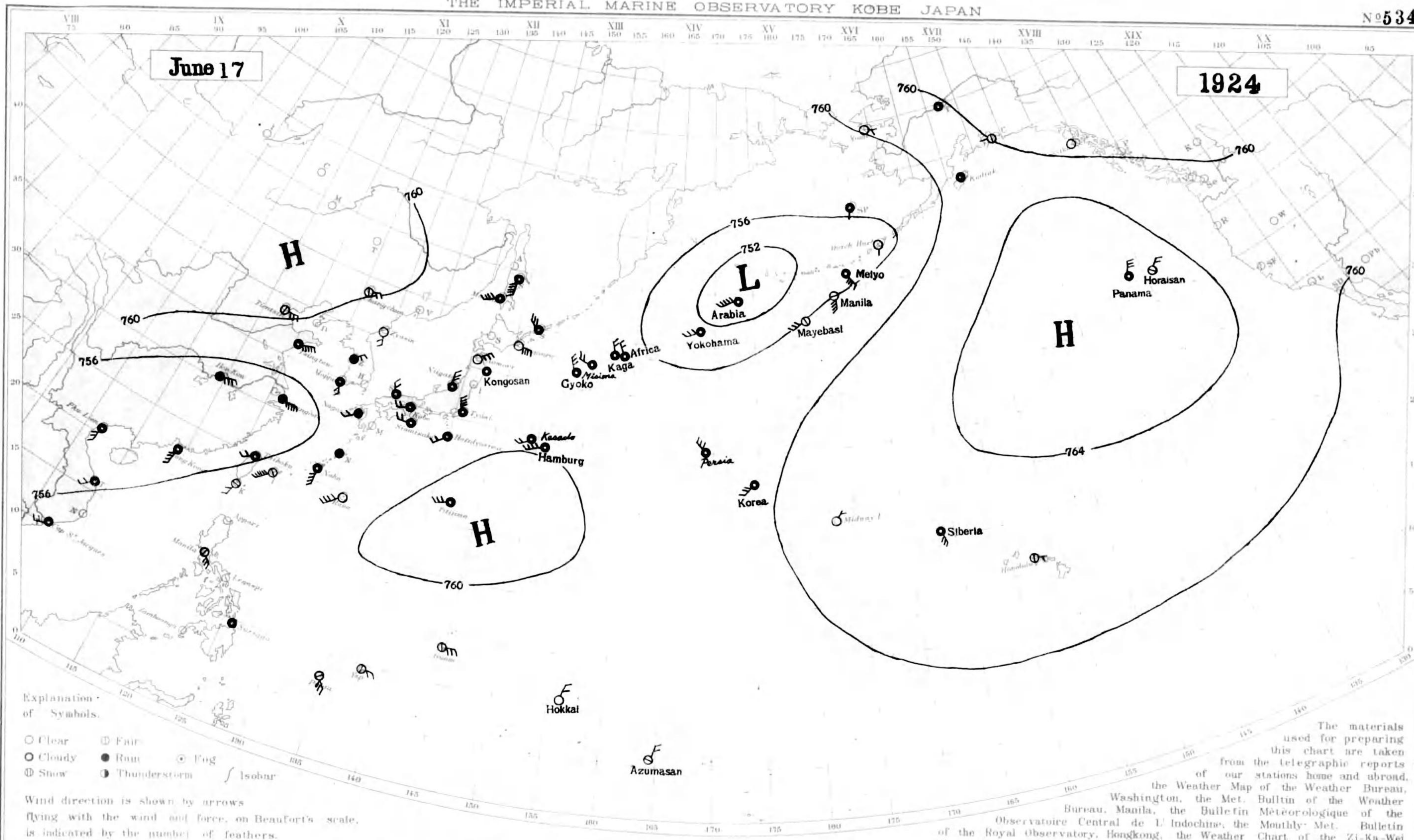
Station	Taihoku 12 ^h , 135°E	Naha 12 ^h , 135°E	Nagasaki 12 ^h , 135°E	Siomi saki 12 ^h , 135°E	Kōbe 12 ^h , 135°E	Tyosi 12 ^h , 135°E	Hatidyosima 12 ^h , 135°E	Titizima 12 ^h , 135°E	Niigata 12 ^h , 135°E	Aomori 12 ^h , 135°E	Nemuro 12 ^h , 135°E	Maoka 12 ^h , 135°E	Moppo 12 ^h , 135°E	Zyosin 12 ^h , 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 Sea level)	757.7	759.1	760.7	761.3	761.0	761.2	761.7	761.4	762.2	761.7	761.0	761.9	760.0	761.4	760.2	757.8	758.4
Air Temperature (in °C)	30.4	27.2	25.7	25.5	24.9	19.2	24.6	28.7	21.8	18.1	11.8	12.9	26.4	17.5	23.5	20.3	20.4
Direction and Force of Winds (0-12)	WSW 2	SW 5	S 2	SW 4	SW 3	NNE 3	WSW 7	SSW 2	WNW 2	WNW 3	NW 3	SW 3	S 2	E 2	NE 3	E 5	ESE 5
Weather	fair	cloudy	cloudy	fair	cloudy	cloudy	cloudy	clear	cloudy	fair	fair	fair	fair	cloudy	fair	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	Sorigao 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 Sea level)	757.6	754.8	760.9	758.2	755.9	758.5	758.4	760.1	759.8	754.5	760.3	762.5	758.4	766.6	761.5	757.4	761.5
Air Temperature (in °C)	24.5	22.7	29.3	24.6	26.	29.	29.	29.	29.	28.	26.	23.	21.	1.	10.	9.	18.
Direction and Force of Winds (0-12)	S 5	SE 2	SSW 3	SSE 3	ENE 2	SW 2	ENE 3	E 3	ENE 2	SSW 4	SW 2	E 1	N 1	SW 1	NW -	SE -	calm
Weather	clear	rain	cloudy	rain	cloudy	fair	fair	fair	fair	cloudy	cloudy	cloudy	fair	cloudy	cloudy	rain	fair

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No. 534



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.

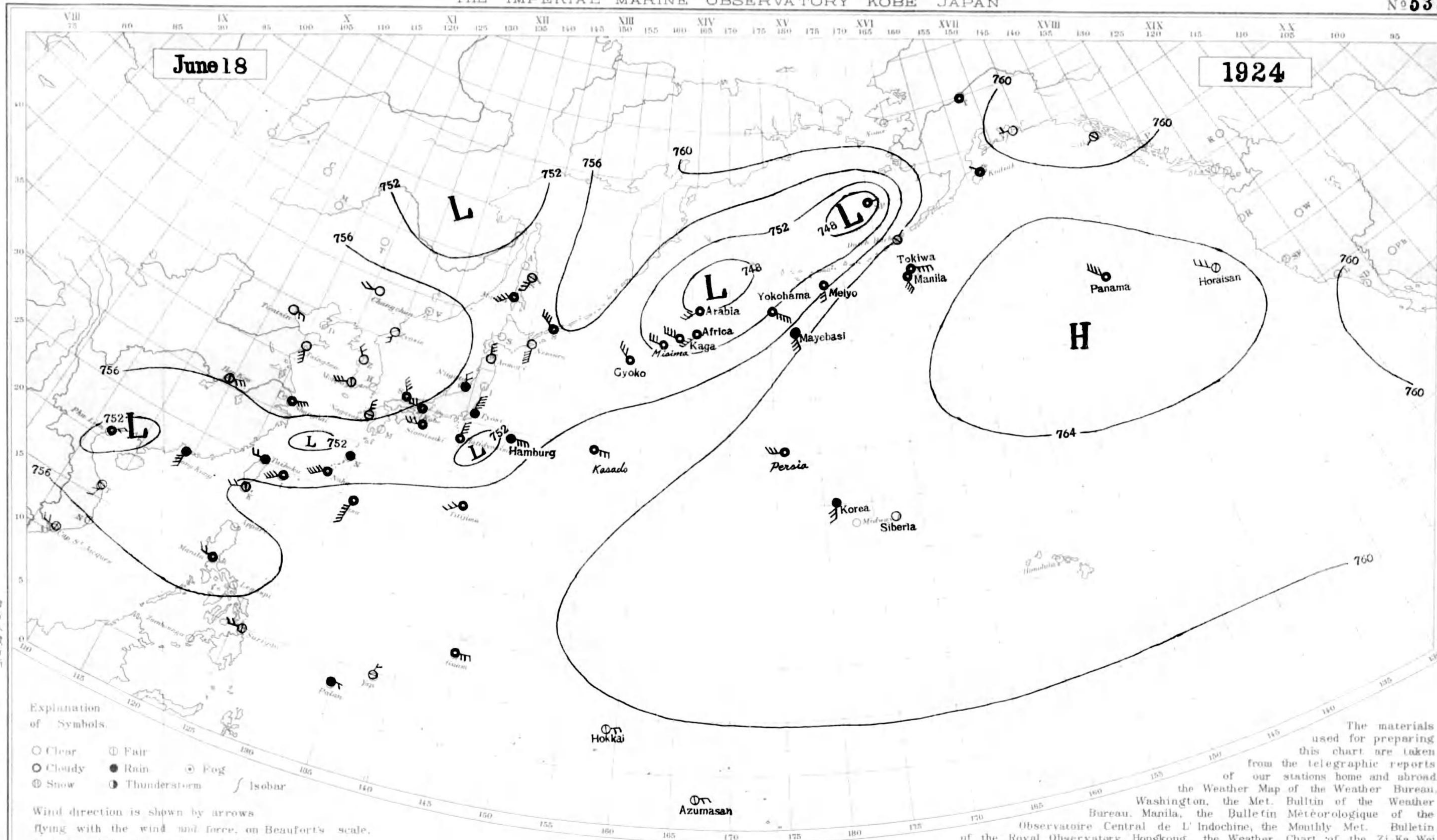
Station	Tsukuba	Naha	Nagasaki	Simsuaki	Kobe	Tyosai	Hatidyosma	Titizima	Niigata	Aomori	Nemuro	Maoka	Moppe	Zyosin	Changchun	Tientsin	Tsingtau
Hour of Observation	12 ^h , 135E	12 ^h , 135E	12 ^h , 135E	12 ^h , 135E	12 ^h , 135E	12 ^h , 135E	12 ^h , 135E	12 ^h , 135E	12 ^h , 135E	12 ^h , 135E	12 ^h , 135E	12 ^h , 135E	12 ^h , 135E	12 ^h , 135E	12 ^h , 135E	12 ^h , 135E	12 ^h , 135E
Atm. Pressure (Red to sea level and wind (ft.)	755.9	757.8	759.0	758.7	758.5	758.8	758.6	760.1	759.3	759.1	758.9	759.5	758.0	761.4	760.0	760.5	758.7
Air Temperature (in C)	32.0	28.2	18.5	23.6	24.0	18.2	24.4	27.9	21.2	17.8	12.2	10.4	24.3	15.2	26.0	26.4	21.6
Direction and Force of Winds (0-12)	SW 2	S 4	SE 2	W 2	WSW 2	NNW 4	SW 2	WSW 3	N 3	NE 3	ESE 4	WSW 4	SSE 2	S 2	ENE 2	E 3	ENE 5
Weather	cloudy	cloudy	rain	cloudy	cloudy	cloudy	cloudy	cloudy	cloudy	clear	fair	cloudy	cloudy	clear	fair	fair	cloudy
Station	Shanghai	Hankow	Rosa	Palau	Hongkong	Manila	Surigo	Guan	Yap	Phi Lien	Cap St. 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	10:30 ^h	20 ^h , 135W	20 ^h , 135W	20 ^h , 135W	20 ^h , 135W
Atm. Pressure (Red to sea level and wind (ft.)	755.4	754.9	759.6	758.4	753.9	757.3	757.7	760.0	759.8	754.5	760.3	763.0	761.0	760.0	758.4	752.3	760.5
Air Temperature (in C)	21.0	23.5	29.0	29.8	29.	34.	26.	-	-	29.	27.	24.	21.	11.	14.	12.	13.
Direction and Force of Winds (0-12)	E 5	ENE 4	SW 4	SE 3	SSW 4	SE 3	calm	E 3	ESE 2	S 3	WSW 2	E 1	NE 1	E 1	calm	S -	calm
Weather	rain	rain	clear	fair	cloudy	fair	cloudy	fair	fair	cloudy	cloudy	fair	clear	clear	clear	clear	cloudy

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No. 535



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.

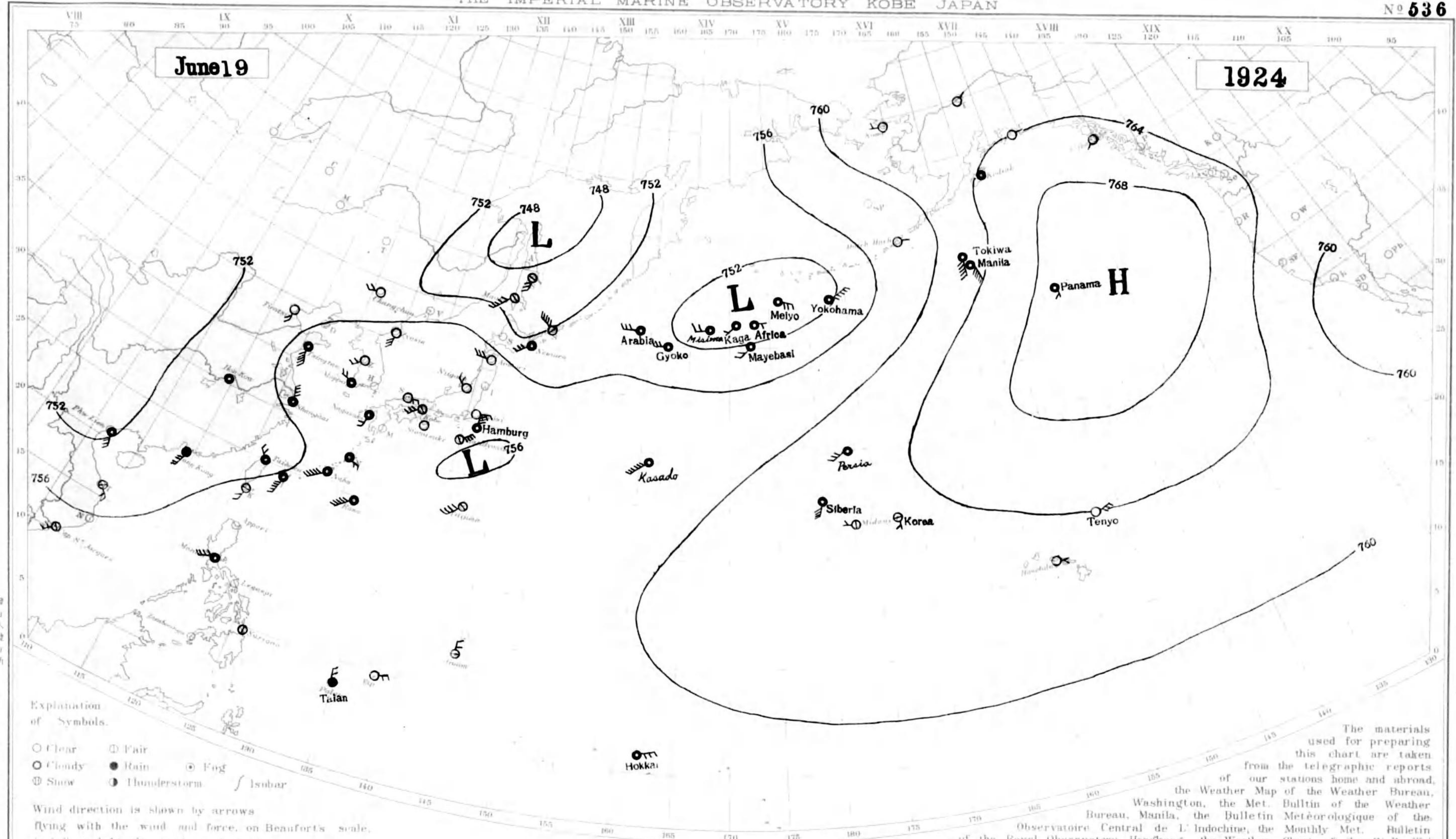
Station	Taihoku	Naha	Nagasaki	Siomi saki	Kobe	Tyosi	Hatidyosma	Titizima	Niigata	Aomori	Nemuro	Maoka	Moppo	Zyosin	Changchun	Tientsin	Tsingtau
Hour of Observation	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	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 sea level and Std Gr)	755.2	755.6	756.1	754.5	755.6	754.1	753.5	757.8	755.6	755.4	755.4	755.1	757.4	757.6	756.9	759.0	759.5
Air Temperature (in C)	29.4	27.8	23.5	22.7	22.9	18.1	20.3	28.4	20.9	17.8	12.3	10.9	22.9	19.2	29.5	27.6	22.8
Direction and Force of Winds (0-12)	W 2	SW 5	N 3	W 3	WNW 3	NNE 5	NNE 4	SW 3	NNW 2	N 3	S 5	SW 4	WSW 3	S 2	WSW 2	E 2	SSE 4
Weather	rain	cloudy	fair	cloudy	cloudy	rain	cloudy	cloudy	rain	clear	clear	cloudy	fair	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 , 135 W	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 Std Gr)	757.7	756.1	757.9	758.9	754.7	756.4	757.8	760.5	760.6	753.0	759.9	-	-	762.0	758.4	760.0	761.0
Air Temperature (in C)	22.7	26.5	28.8	25.4	26.	31.	31.	-	-	26.	28.	-	-	7.	17.	11.	16.
Direction and Force of Winds (0-12)	ENE 4	ENE 3	SSW 6	E 1	S 4	W 2	W 2	E 3	NNE 1	NE 2	W 2	-	-	SW 1	SW -	NE -	NW -
Weather	cloudy	fair	cloudy	rain	rain	cloudy	fair	cloudy	fair	cloudy	fair	-	-	rain	fair	fair	cloudy

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No. 536



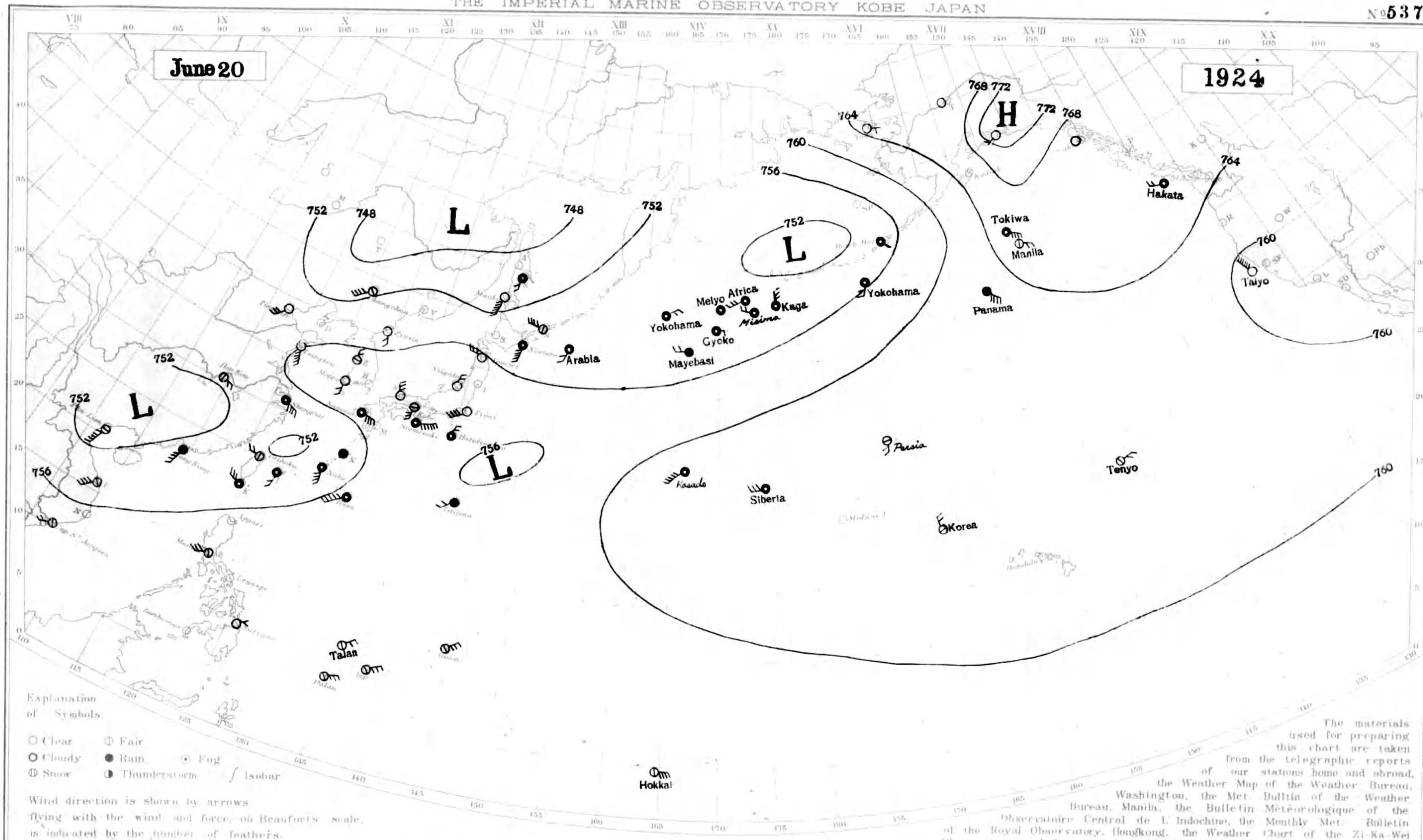
The materials used for preparing this chart are taken from the telegraphic reports of our stations home and abroad, the Weather Map of the Weather Bureau, Washington, the Met. Bulletin of the Weather Bureau, Manila, the Bulletin Météorologique of the Observatoire Central de L'Indochine, the Monthly Met. 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	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 1011 and 3294 Gr)	755.8	756.4	757.5	757.1	758.0	757.1	756.2	758.1	758.9	757.0	752.0	751.6	758.1	756.7	754.8	755.3	758.1
Air Temperature (in C)	30.4	25.5	25.9	25.5	22.8	19.8	23.4	28.3	20.6	22.6	13.0	12.0	24.3	19.2	30.5	21.7	
Direction and Force of Winds (0-12)	NW 2	SW 5	SSW 2	SSE 3	SW 3	E 3	NE 4	SW 4	NW 2	W 3	SW 3	SW 5	WNW 2	S 2	WSW 2	S 2	SSE 5
Weather	cloudy	cloudy	cloudy	clear	fair	clear	fair	fair	clear	clear	cloudy	fair	cloudy	clear	clear	clear	cloudy
Station	Shanghai	Hankow	Ritsa	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	10 ^h	10 ^h	20 ^h , 135° W	20 ^h , 135° W	20 ^h , 135° W	20 ^h , 135° W
Atm. Pressure (Red to 1011 and 3294 Gr)	756.9	754.7	758.7	758.8	754.7	758.4	758.4	760.7	760.5	753.7	759.2	763.5	763.0	763.0	764.0	758.9	764.0
Air Temperature (in C)	22.2	27.1	29.8	28.8	27.	30.	31.	-	-	29.	29.	24.	24.	11.	12.	8.	12.
Direction and Force of Winds (0-12)	NNW 4	calm	SW 5	N 2	SSW 2	WSW 4	calm	N 2	ENE 2	SSE 3	SW 2	E 1	W 1	W 1	SW -	E -	calm
Weather	cloudy	cloudy	cloudy	rain	rain	cloudy	fair	fair	clear	cloudy	fair	clear	fair	clear	clear	cloudy	cloudy

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

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

No. 537



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.

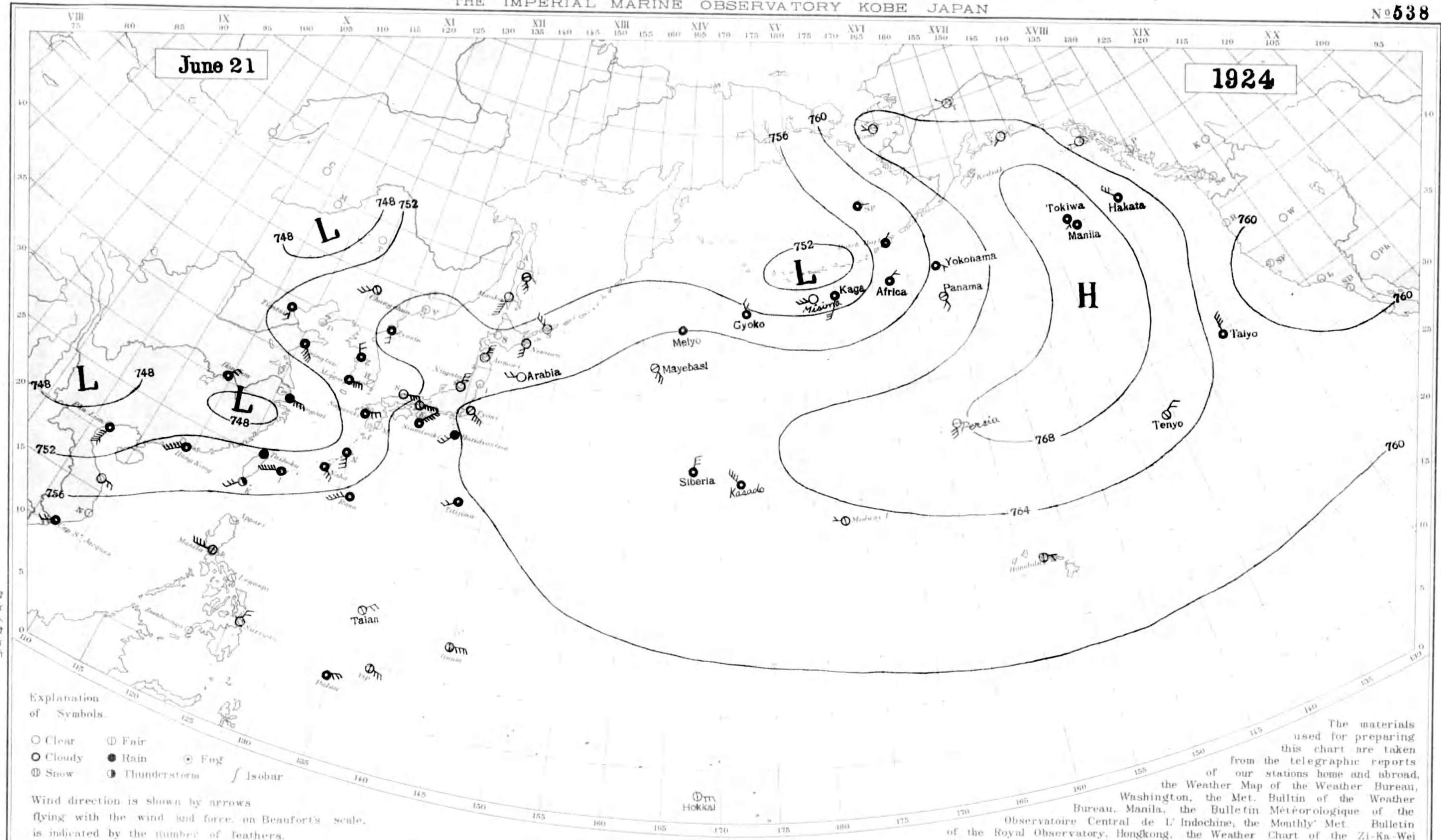
Station	Hokoku 12° 135 E	Naha 12° 135 E	Nagasaki 12° 135 E	Simi saki 12° 135 E	Kobe 12° 135 E	Tyosi 12° 135 E	Hatidyosima 12° 135 E	Titizima 12° 135 E	Niigata 12° 135 E	Aomori 12° 135 E	Somoro 12° 135 E	Muska 12° 135 E	Moppo 12° 135 E	Zyosin 12° 135 E	Changhuan 12° 135 E	Tientsin 12° 135 E	Tsingtau 12° 135 E	
Hour of Observation																		
Atm. Pressure (Red to 30.1 and Std to 30.0)	752.7	754.2	756.9	758.7	758.3	759.3	759.4	759.2	759.0	757.4	753.3	751.1	755.6	755.5	751.6	753.1	756.0	
Air Temperature (in °C)	32.2	28.5	22.9	22.7	26.4	23.4	21.2	25.9	22.6	26.9	21.0	16.4	28.7	18.2	29.0	31.1	22.2	
Direction and Force of Winds (12)	W 2	S 2	ESE 4	ENE 6	S 3	SW 4	NNE 2	SW 2	NNE 2	WNW 3	SSW 5	SSW 6	S 2	SSE 2	SW 4	SW 3	SSE 5	
Weather	fair	cloudy	cloudy	cloudy	fair	clear	cloudy	rain	clear	clear	cloudy	clear	clear	clear	fair	clear	clear	
Station	Shanghai 12° 135 E	Hankow 12° 135 E	Rosa 12° 135 E	Palau 12° 135 E	Hongkong 14°	Manila 14°	Surigay 14°	Guam 14°	Yap 14°	Plat Lien 10°	Cap S. Jacques 10°	Honolulu 20°	Midway I. 10 - 30°	Nome 20° 135 W	Sitka 20° 135 W	Dutch Harbor 20° 135 W	Kodiak 20° 135 W	
Hour of Observation																		
Atm. Pressure (Red to 30.1 and Std to 30.0)	753.2	752.5	757.4	757.9	753.8	758.5	758.8	759.1	759.0	752.4	760.5	-	-	765.5	766.1	755.4	-	
Air Temperature (in °C)	22.4	28.2	29.9	30.3	26.	31.	30.	-	-	32.4	27.	-	-	19.	14.	8.	-	
Direction and Force of Winds (12)	ESE 4	ESE 2	SW 5	ENE 3	SSW 4	WSW 3	NE 1	NE 3	NE 3	SSW 5	WSW 2	-	-	E 1	calm	SE -	-	
Weather	cloudy	fair	cloudy	fair	rain	fair	clear	fair	fair	fair	fair	-	-	clear	clear	cloudy	-	

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No. 538



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 12h, 135E	Naha 12h, 135E	Nagasaki 12h, 135E	Siomi saki 12h, 135E	Kobe 12h, 135E	Tyosi 12h, 135E	Hatidyosima 12h, 135E	Titizima 12h, 135E	Niigata 12h, 135E	Aomori 12h, 135E	Nemuro 12h, 135E	Maoka 12h, 135E	Moppo 12h, 135E	Zyosin 12h, 135E	Changchun 12h, 135E	Tientsin 12h, 135E	Tsingtau 12h, 135E
Atm. Pressure (Red to sea level and Std. for 1013.25 mb)	752.7	753.5	753.1	757.0	757.0	760.4	759.6	759.7	758.7	759.2	756.3	755.5	753.0	756.9	752.3	752.6	754.0
Air Temperature (in °C)	27.5	27.9	25.9	22.9	28.1	24.5	22.4	28.2	24.7	21.0	26.1	15.7	29.4	19.2	29.6	29.4	23.2
Direction and Force of Winds (0-12)	calm	SE 3	ENE 3	NE 7	E 5	SE 4	SW 3	SW 2	NNE 3	NNE 4	S 3	SSW 7	E 4	SSE 2	SW 3	S 2	SE 5
Weather	rain	cloudy	cloudy	cloudy	fair	fair	rain	cloudy	clear	clear	clear	clear	cloudy	cloudy	fair	cloudy	cloudy
Station	Shanghai 12h, 135E	Hankow 12h, 135E	Kusa 12h, 135E	Palau 12h, 135E	Hongkong 14h	Manila 14h	Surigao 14h	Guam 14h	Yap 14h	Phi-Lien 10h	Cap St. Jacques 10h	Honolulu 20h	Midway I. 18:30h	Nome 20h, 135W	Sitka 20h, 135W	Dutch Harbor 20h, 135W	Kodiak 20h, 135W
Atm. Pressure (Red to sea level and Std. for 1013.25 mb)	750.8	749.6	756.7	757.8	752.6	758.0	758.1	758.7	759.4	751.3	760.5	763.0	763.5	765.0	763.5	756.4	-
Air Temperature (in °C)	21.3	23.3	28.0	28.1	30.	32.	30.	30.	30.	30.	27.	24.	24.	16.	14.	-	-
Direction and Force of Winds (0-12)	E 4	NNE 2	SW 5	ENE 3	SW 6	W 4	NNE 2	E 4	ESE 3	SSW 8	SW 2	E 1	W 1	W 1	W -	NE -	-
Weather	rain	cloudy	cloudy	cloudy	cloudy	fair	clear	fair	fair	cloudy	cloudy	fair	fair	clear	clear	cloudy	-

號 價 定 日 一 二 月 六 年 三 一 一 九

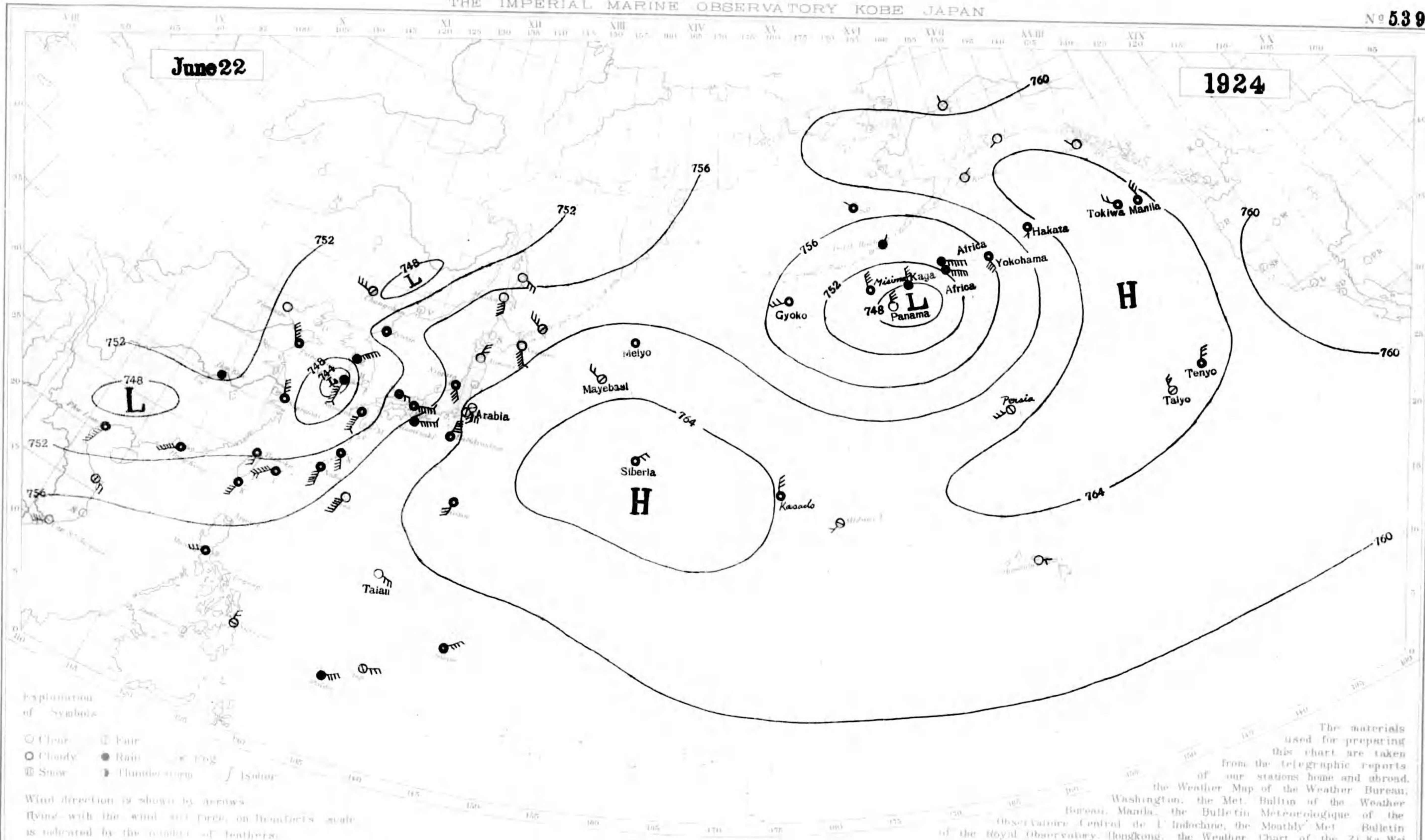
圖 氣 天 洋 平 大 北

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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 539



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.

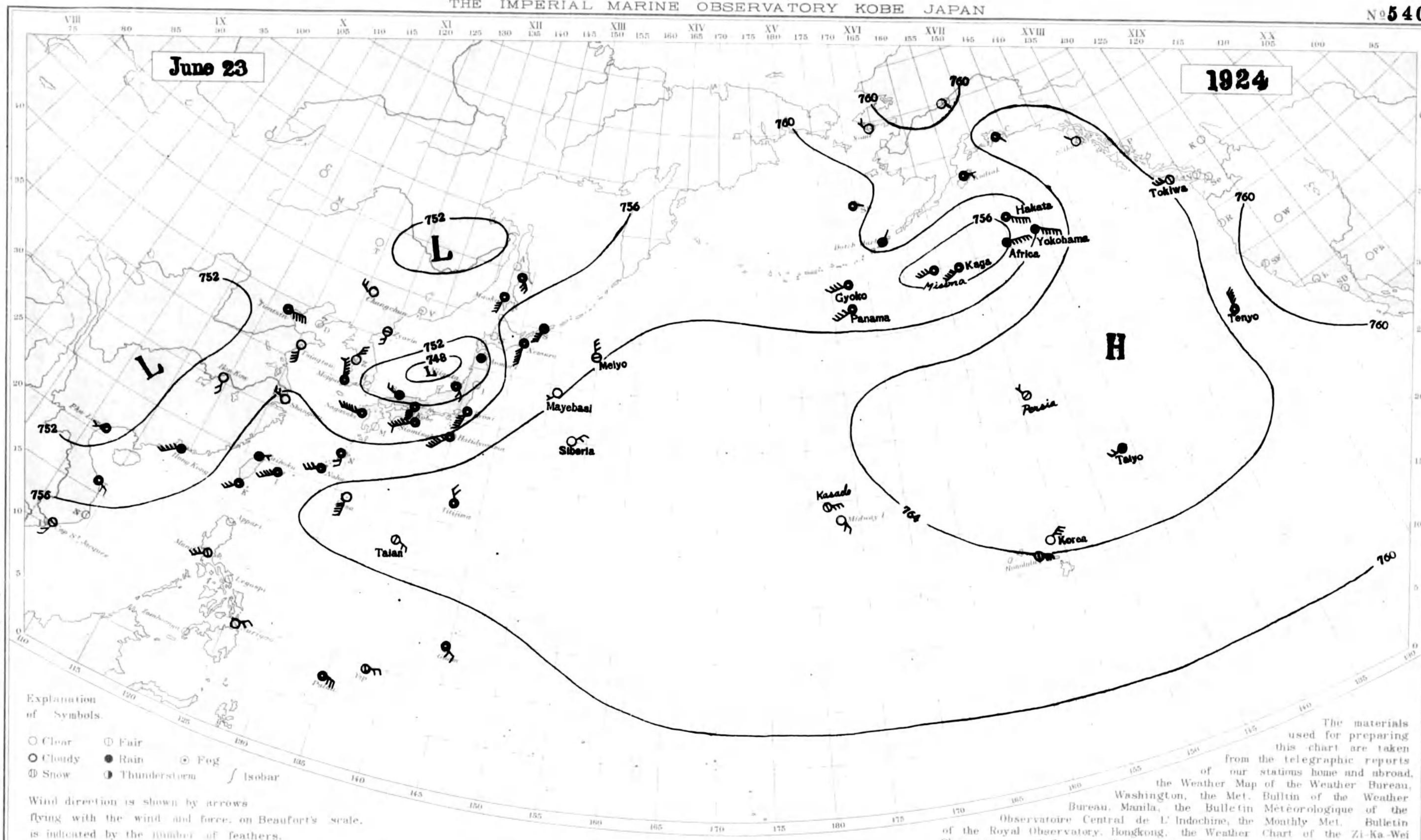
Station	Hankoku 12° 135E	Naha 12° 135E	Nagasaki 12° 135E	Siamaki 12° 135E	Kobe 12° 135E	Fyoo 12° 135E	Hiroshima 12° 135E	Tsushima 12° 135E	Nagasaki 12° 135E	Aomori 12° 135E	Nomuro 12° 135E	Muroto 12° 135E	Moroto 12° 135E	Zyosin 12° 135E	Chongchun 12° 135E	Tientsin 12° 135E	Tsingtau 12° 135E
Atm. Pressure	751.8	754.6	750.4	757.0	754.8	760.0	758.5	760.2	756.3	758.0	759.3	757.8	743.9	754.4	749.5	750.9	750.5
Air Temperature	27.9	28.6	25.2	20.7	24.6	24.2	23.3	27.7	30.6	21.8	19.1	19.2	22.2	16.0	29.2	30.8	25.2
Direction and Force of Wind	S 2	S 6	SSW 7	ENE 7	ENE 7	ESE 3	NNE 5	SSW 3	SE 4	NNE 3	SSE 7	SSE 5	S 7	calm	WNW 3	calm	calm
Weather	cloudy	cloudy	cloudy	rain	cloudy	fair	cloudy	cloudy	cloudy	clear	clear	clear	rain	clear	WNW 3	clear	cloudy
Station	Shanghai 12° 135E	Hankow 12° 135E	Rosa 12° 135E	Palau 12° 135E	Hongkong 12° 135E	Manila 12° 135E	Sourabaya 12° 135E	Yokohama 12° 135E	Yap 14°	Phi Lien 10°	Cap St Jacques 10°	Honolulu 20°	Midway I. 19° 20°	Nome 20° 135W	Sitka 20° 135W	Dutch Harbor 20° 135W	Kodiak 20° 135W
Atm. Pressure	750.9	752.8	753.1	753.2	751.7	758.6	758.5	759.0	759.1	750.8	760.3	763.0	763.0	762.5	762.5	753.9	763.5
Air Temperature	20.5	22.1	29.7	24.9	29.	30.	30.	30.	30.	30.	28.	26.	24.	21.	13.	10.	13.
Direction and Force of Wind	NNW 4	calm	SSW 5	ENE 4	SW 6	WSW 3	N 2	NE 4	ENE 3	SSW 6	SW 4	E 1	SW 1	NW 1	NW -	NE -	NE -
Weather	cloudy	rain	clear	rain	cloudy	cloudy	fair	cloudy	fair	cloudy	clear	clear	fair	clear	clear	rain	clear

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No. 540



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.

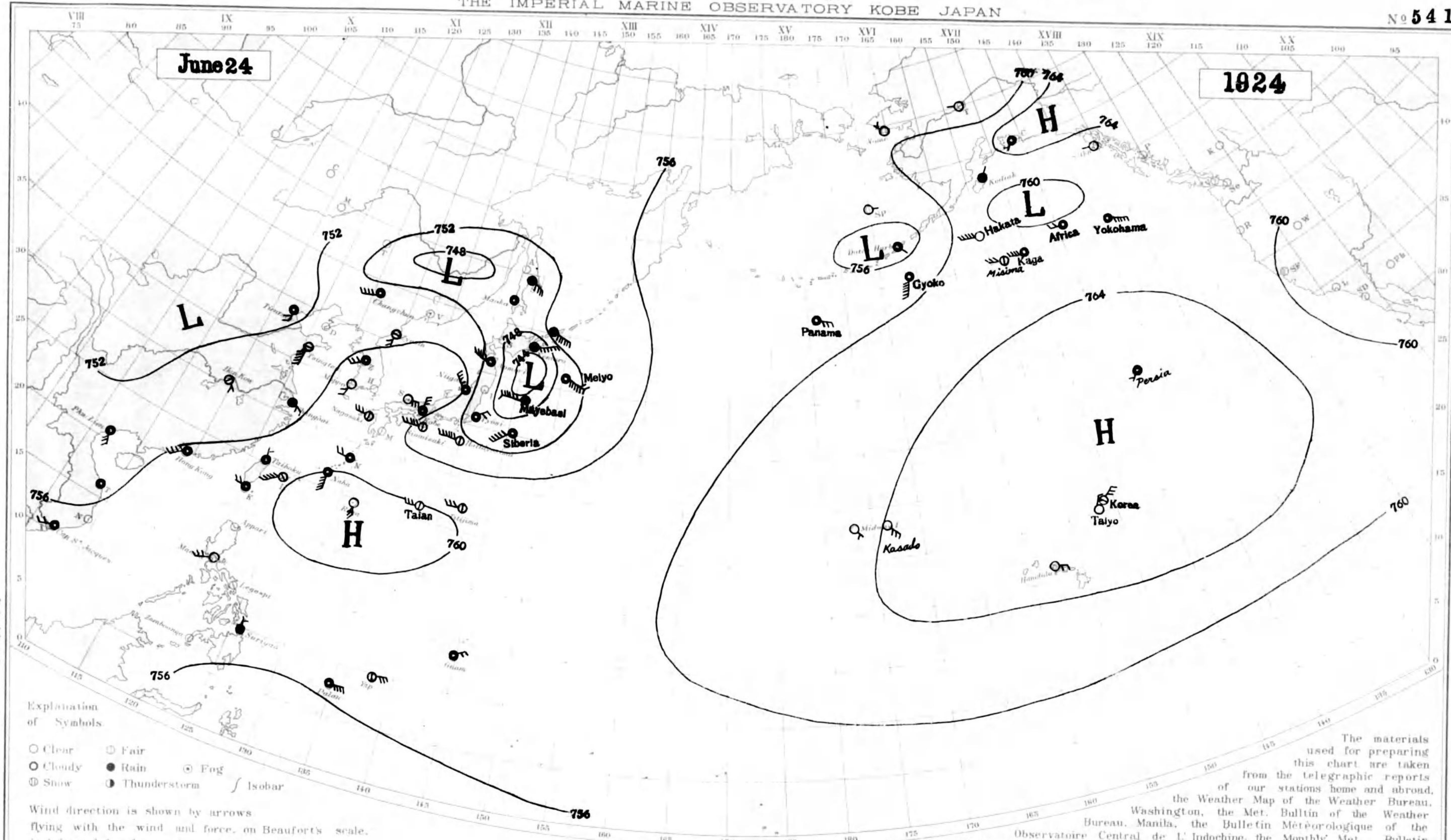
Station	Taihoku	Naha	Nagasaki	Siomi saki	Kōbe	Tyōsi	Hatidyosima	Titizima	Niigata	Aomori	Nemuro	Maoka	Moppo	Zyosin	Changchun	Tientsin	Tsingtau
Hour of Observation	12 ^h , 135 ^E	12 ^h , 135 ^E	12 ^h , 135 ^E	12 ^h , 135 ^E	12 ^h , 135 ^E	12 ^h , 135 ^E	12 ^h , 135 ^E	12 ^h , 135 ^E	12 ^h , 135 ^E	12 ^h , 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 Sea level; * not reduced to Sea level)	758.3	757.8	753.1	754.2	752.1	754.0	757.0	761.2	751.3	751.7	758.1	754.0	752.3	752.2	752.8	753.8	754.5
Air Temperature (in °C)	23.4	28.9	19.5	25.0	24.8	24.3	27.5	26.2	26.2	18.0	15.4	21.4	22.3	19.6	27.7	29.4	27.2
Direction and Force of Winds (0-12)	ESE 1	SW 3	W 6	SW 7	S 5	SSW 7	SW 6	NNW 2	SE 2	calm	S 6	SSW 4	NNW 7	S 2	WNW 2	E 5	SSE 4
Weather	rain	cloudy	cloudy	cloudy	cloudy	cloudy	cloudy	cloudy	cloudy	rain	cloudy	cloudy	cloudy	fair	clear	cloudy	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 Sea level; * not reduced to Sea level)	756.1	754.6	760.3	757.3	753.5	758.7	758.6	759.2	758.0	751.7	759.7	764.0	763.0	762.0	764.5	762.6	762.5
Air Temperature (in °C)	28.7	28.9	29.9	29.8	28.	32.	30.	30.	30.	30.	29.	26.	26.	20.	12.	9.	11.
Direction and Force of Winds (0-12)	WNW 2	SSE 2	S 5	ESE 3	SW 5	SW 3	NE 2	SE 2	ENE 2	WSW 1	SSW 2	E 3	SE 2	NW 1	NW -	NE -	E 1
Weather	clear	clear	clear	cloudy	rain	fair	clear	cloudy	fair	cloudy	fair	fair	clear	clear	clear	rain	cloudy

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No. 541



甲 發行 大 阪 商 埠
神 戶 市 中 山 手 通 三 丁 目
海 軍 省 海 軍 部 海 軍 測 量 部

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.

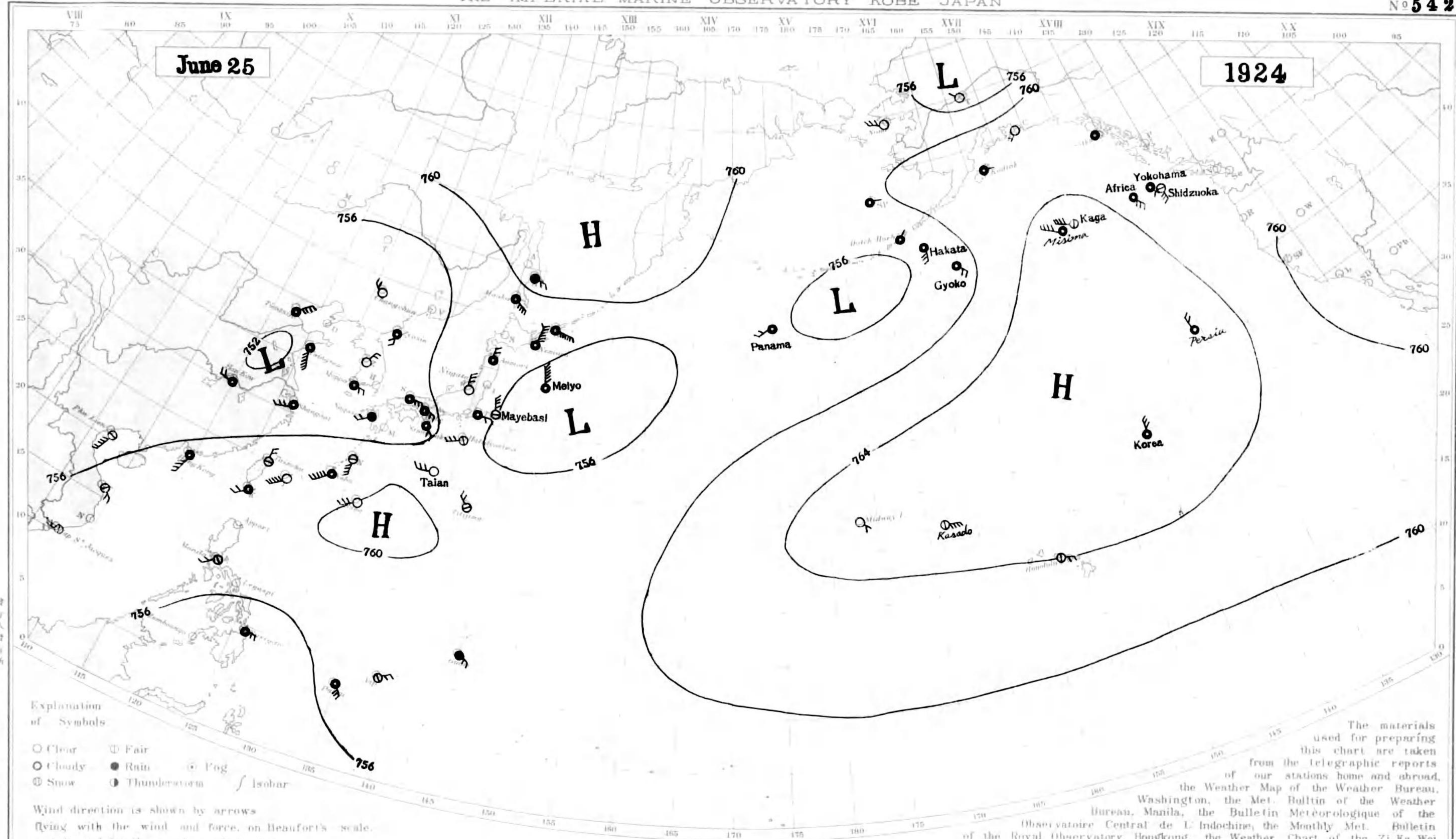
Station	Taihoku	Naha	Nagasaki	Simusaki	Kobe	Tyosi	Hatidyosima	Titizima	Niigata	Aomori	Nomuro	Maoka	Moppo	Zyosin	Changchun	Tientsin	Tsingtau
Hour of Observation	12 ^h , 135°E	12 ^h , 135°E	12 ^h , 135°E	12 ^h , 135°E	12 ^h , 135°E	12 ^h , 135°E	12 ^h , 135°E	12 ^h , 135°E	12 ^h , 135°E	12 ^h , 135°E	12 ^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 Sea level)	758.2	760.0	759.0	754.8	757.4	751.3	753.9	759.5	756.0	751.1	744.5	749.9	757.4	755.2	752.9	751.0	755.1
Air Temperature (in C)	30.2	28.8	25.2	25.4	25.0	25.2	24.0	27.7	19.6	20.9	13.0	16.3	27.0	19.9	24.5	30.2	25.3
Direction and Force of Winds (0-12)	N 1	S 5	W 3	W 5	N 3	NE 2	W 6	W 3	NW 4	WNW 5	ENE 7	calm	SSW 2	S 2	WSW 4	S 2	S 5
Weather	cloudy	cloudy	fair	fair	cloudy	cloudy	fair	fair	cloudy	cloudy	rain	cloudy	clear	fair	cloudy	cloudy	fair
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	11:30 ^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 Sea level)	755.3	753.3	761.3	756.2	757.1	758.4	758.1	757.9	758.2	754.3	759.8	764.5	763.5	759.5	763.5	763.9	762.5
Air Temperature (in C)	24.5	31.4	29.5	28.8	28.	32.	27.	27.	27.	28.	27.	26.	27.	19.	14.	10.	10.
Direction and Force of Winds (0-12)	ESE 2	SE 1	SSE 3	SE 4	Sw 4	WSW 3	N 1	NE 2	ENE 3	SSE 3	WSW 2	E 2	SE 1	NW 1	W -	SE -	SE -
Weather	rain	fair	clear	cloudy	cloudy	clear	rain	cloudy	fair	cloudy	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 542



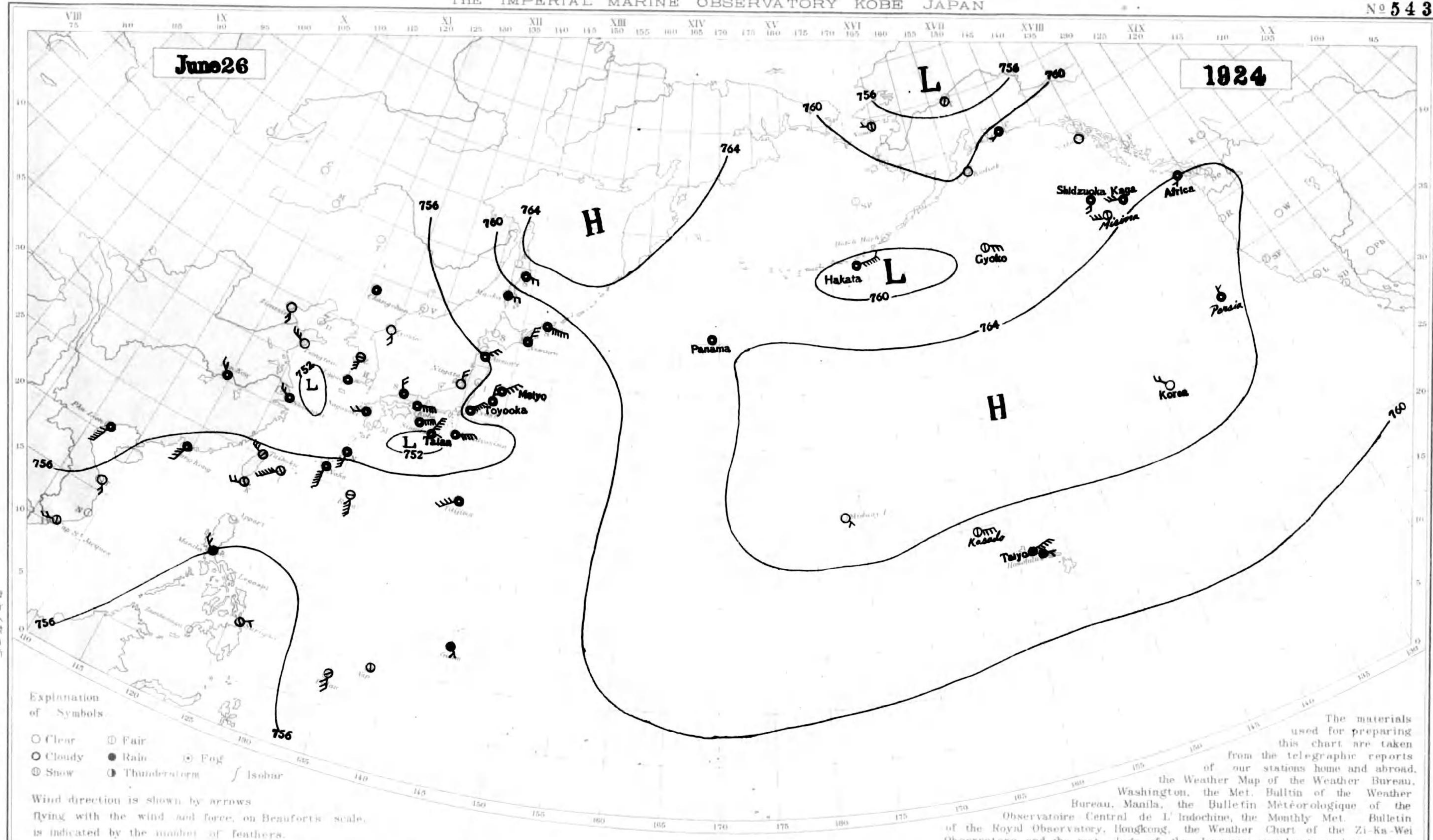
Station	Taihoku	Naha	Nagasaki	Siomisaki	Kobe	Tyosi	Hattiyosuna	Titizima	Niigata	Aomori	Nemuro	Maoka	Moppo	Zyosin	Changchun	Tientsin	Tsungtau
Hour of Observation	12h, 135E	12h, 135E	12h, 135E	12h, 135E	12h, 135E	12h, 135E	12h, 135E	12h, 135E	12h, 135E	12h, 135E	12h, 135E	12h, 135E	12h, 135E	12h, 135E	12h, 135E	12h, 135E	12h, 135E
Atm. Pressure (Red to sea, and Std. for sea)	757.7	759.2	755.0	755.8	755.9	757.3	756.4	757.9	756.6	756.7	757.5	758.7	753.3	755.2	754.8	754.7	753.2
Air Temperature (in C)	32.0	28.8	21.9	25.7	24.1	22.6	25.6	27.0	21.8	24.6	16.7	18.8	24.3	19.7	26.3	26.0	21.6
Direction and Force of Winds (0-12)	N 2	SW 5	SW 2	SE 2	ESE 2	E 2	WSW 3	NW 2	N 3	N 2	NNE 7	SE 4	E 2	S 2	NW 2	NE 4	SSE 6
Weather	fair	cloudy	rain	cloudy	cloudy	cloudy	fair	fair	clear	cloudy	cloudy	cloudy	cloudy	cloudy	clear	cloudy	cloudy
Station	Shanghai	Hankow	Rusa	Palau	Hongkong	Manila	SURIGAO	Guam	Yap	Phi Lien	Cap St Jacques	Honolulu	Midway I	Nome	Sitka	Dutch Harbor	Kodiak
Hour of Observation	12h, 135E	12h, 135E	12h, 135E	12h, 135E	14h	14h	14h	14h	14h	10h	10h	10h	10h	20h, 135W	20h, 135W	20h, 135W	20h, 135W
Atm. Pressure (Red to sea, and Std. for sea)	753.5	753.0	760.0	756.2	757.4	757.8	756.9	758.2	758.1	756.0	759.5	764.0	765.0	758.9	762.5	756.4	761.5
Air Temperature (in C)	26.9	28.6	29.1	29.1	29.	32.	27.	-	-	31.	28.	24.	26.	14.	11.	9.	9.
Direction and Force of Winds (0-12)	WSW 3	W 2	SW 3	SE 3	SSW 4	SW 2	E 2	SE 2	NE 2	SSW 5	W 2	E 2	SE 1	W 3	calm	NE -	E -
Weather	cloudy	cloudy	clear	cloudy	cloudy	fair	cloudy	rain	fair	fair	fair	fair	clear	clear	cloudy	cloudy	cloudy

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 543



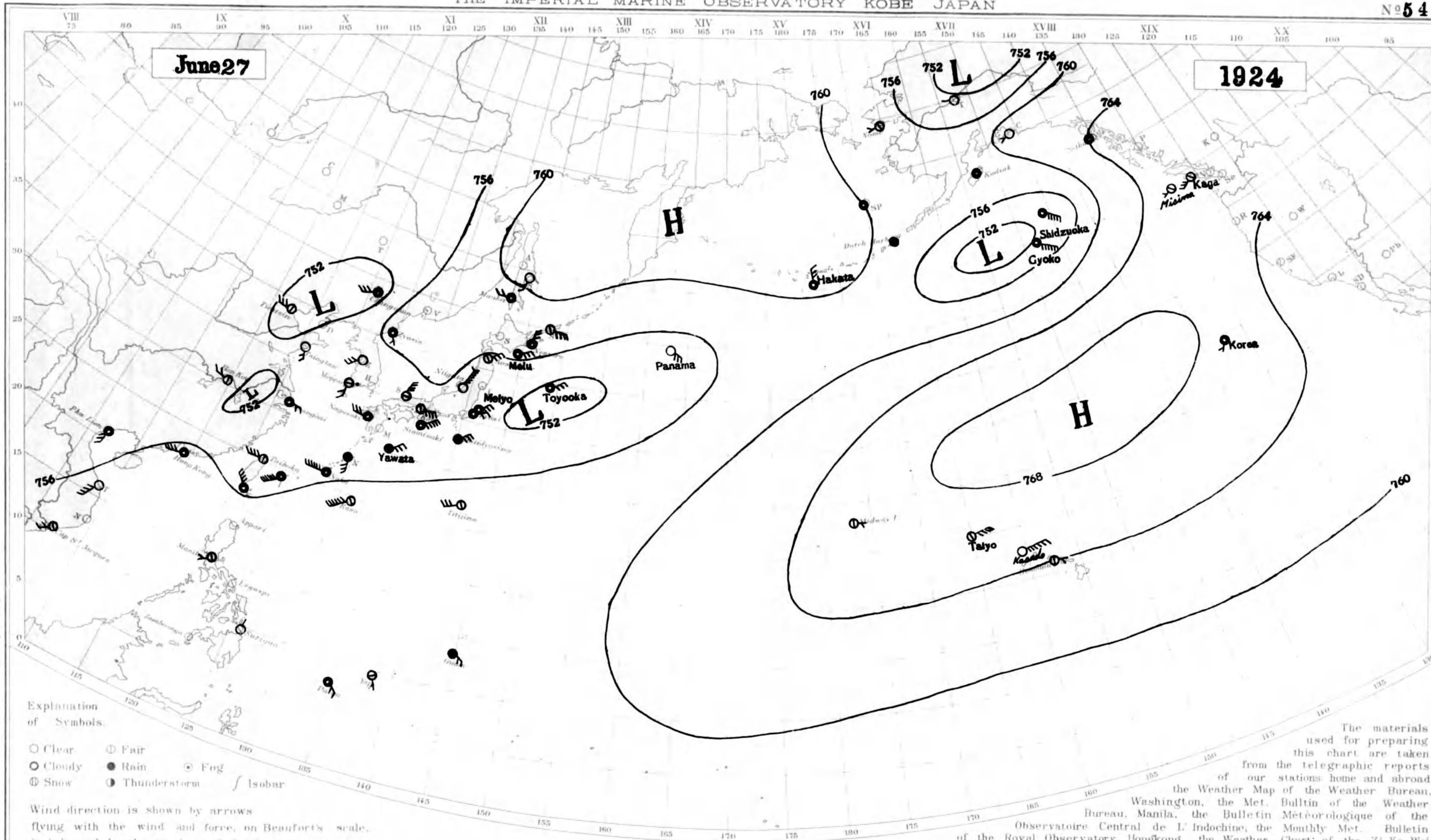
Station	Taihoku 12° 135 E	Naha 12° 135 E	Nagasaki 12° 135 E	Simsaki 12° 135 E	Kobe 12° 135 E	Tyosi 12° 135 E	Hatidyosima 12° 135 E	Titizima 12° 135 E	Niigata 12° 135 E	Aomori 12° 135 E	Nemuro 12° 135 E	Maoka 12° 135 E	Moopo 12° 135 E	Zyosin 12° 135 E	Changchin 12° 135 E	Tientsin 12° 135 E	Tsingtau 12° 135 E
Hour of Observation																	
Atm. Pressure (Red to m.s.l. and Sea Gr.)	756.3	757.5	754.4	754.0	753.7	756.4	753.3	757.2	754.8	756.0	759.4	759.0	753.6	756.3	754.0	755.5	754.7
Air Temperature (in C)	32.2	28.6	22.0	23.8	27.3	19.6	21.1	27.2	24.2	18.2	8.0	10.7	25.2	21.2	27.9	30.2	25.8
Direction and Force of Winds (to 12)	WNW 3	S 6	WSW 2	ENE 5	E 5	NE 5	ENE 5	SW 4	N 2	NE 3	NNE 3	E 2	25.2	SSE 2	27.9	SSE 2	WNW 3
Weather	fair	cloudy	cloudy	cloudy	cloudy	cloudy	cloudy	cloudy	clear	cloudy	cloudy	rain	cloudy	clear	cloudy	clear	clear
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 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 Sea Gr.)	752.5	755.3	759.0	757.0	757.7	757.3	756.5	758.8	759.0	757.0	759.8	763.0	765.5	757.4	760.0	-	760.0
Air Temperature (in C)	27.8	26.1	29.6	30.1	30.	29.	30.	-	-	-	31.	23.	-	12.	14.	-	14.
Direction and Force of Winds (to 12)	WNW 2	NW 2	SSE 5	SSE 3	SSW 4	NW 2	ENE 1	SE 1	calm	SSW 6	WSW 2	E 1	SE 1	W 1	calm	-	calm
Weather	cloudy	cloudy	fair	fair	cloudy	rain	fair	rain	fair	cloudy	fair	rain	clear	fair	clear	-	clear

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No. 544



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

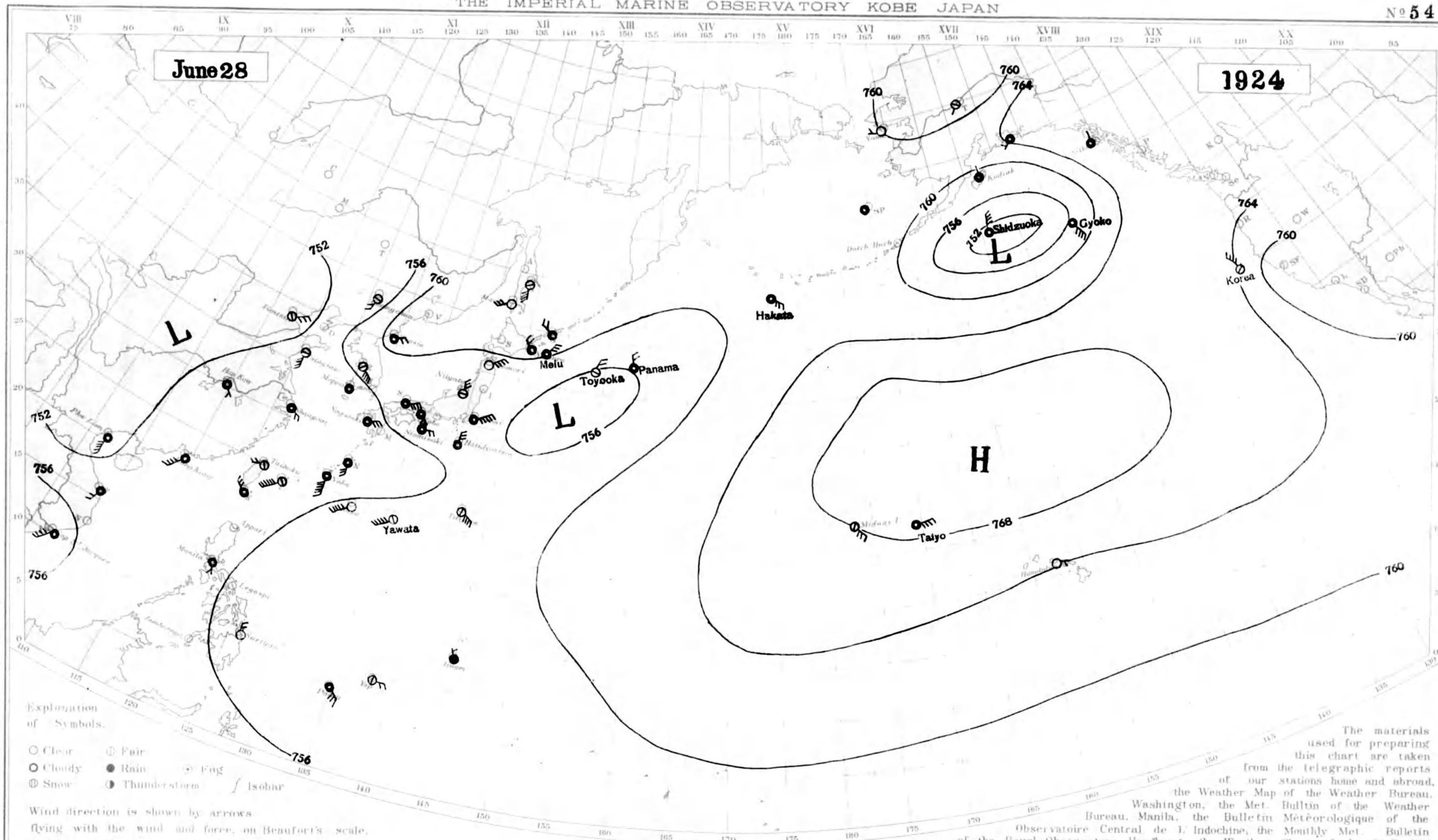
Station	Taihoku	Naha	Nagasaki	Somisaki	Kobe	Tyosi	Hatidyosuma	Titizima	Niigata	Aomori	Nemuro	Maoka	Moppo	Zyosin	Changchun	Tientsin	Tsingtau
Hour of Observation	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^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 sea level and reduced to 30 in Hg)	754.7	755.7	753.7	754.3	754.2	756.1	755.1	757.1	756.9	755.8	759.3	759.5	753.7	756.7	750.3	751.2	754.2
Air Temperature (in C)	31.6	28.3	26.2	23.7	27.4	18.4	22.0	27.5	22.9	19.1	6.1	17.1	27.3	18.7	26.3	32.5	32.0
Direction and Force of Winds (0-12)	W 4	W 6	W 3	NE 5	E 4	NE 2	NE 3	WSW 3	NNE 7	NE 3	NNE 3	W 2	S 2	NNE 1	WSW 3	W 3	SSW 2
Weather	fair	cloudy	cloudy	cloudy	fair	cloudy	rain	fair	clear	fair	cloudy	cloudy	fair	cloudy	cloudy	fair	clear
Station	Shanghai	Hankow	Rasa	Pei-lau	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	14 ^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 reduced to 30 in Hg)	753.2	753.4	757.5	756.9	756.2	757.2	757.7	759.1	759.0	756.1	759.7	764.0	766.6	757.4	764.0	758.4	758.9
Air Temperature (in C)	24.9	27.9	27.5	29.9	30.	33.	30.	-	-	32.	27.	24.	26.	12.	12.	10.	0.
Direction and Force of Winds (0-12)	E 2	W 2	SW 6	SE 2	WSW 4	SW 1	N 1	SE 2	SSE 1	S 3	SW 2	E 1	E 1	SW 1	S -	calm	calm
Weather	cloudy	fair	fair	cloudy	cloudy	fair	clear	rain	fair	cloudy	fair	fair	fair	fair	cloudy	rain	cloudy

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No. 545



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.

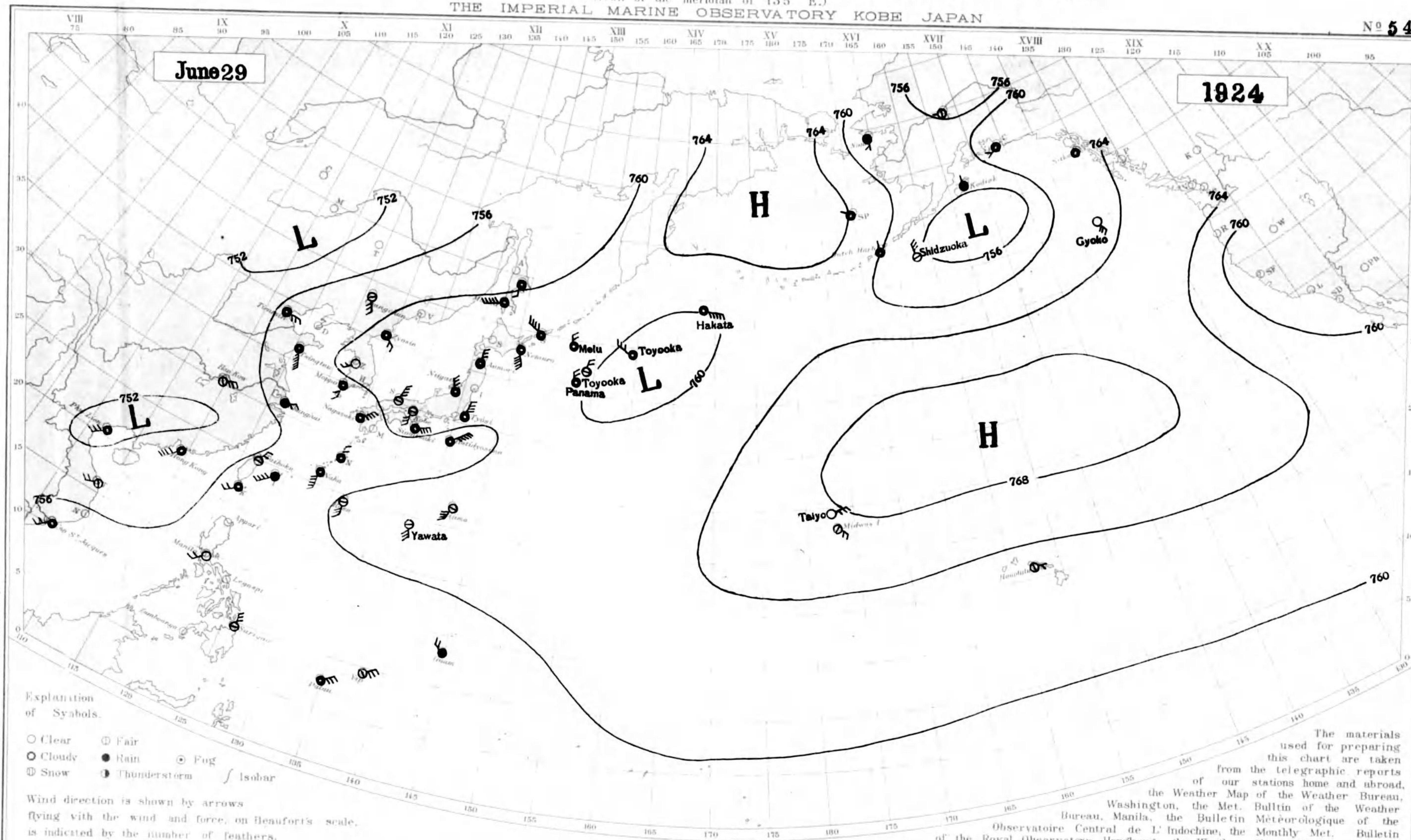
Station	Taihoku	Naha	Nagasaki	Siomisaki	Kobe	Tyosi	Hatidyosima	Titiyama	Niigata	Aomori	Nemuro	Maoka	Moppo	Zyosin	Changchun	Tientsin	Tsingtau
Hour of Observation	12h, 135 E	12h, 135 E	12h, 135 E	12h, 135 E	12h, 135 E	12h, 135 E	12h, 135 E	12h, 135 E	12h, 135 E	12h, 135 E	12h, 135 E	12h, 135 E	12h, 135 E	12h, 135 E	12h, 135 E	12h, 135 E	12h, 135 E
Atm. Pressure (Red. to sea level and 30 in. Hg)	754.4	755.0	754.9	757.7	756.5	758.8	758.2	759.1	759.2	759.4	761.1	761.9	754.4	760.7	754.6	750.8	755.1
Air Temperature (in C)	32.3	29.6	25.1	23.2	26.3	18.7	21.6	28.9	21.6	17.8	3.9	12.7	28.6	16.6	26.7	34.2	24.9
Direction and Force of Winds (0-12)	WSW 2	S 6	ENE 3	ENE 2	SE 3	NE 5	NNE 3	SE 4	N 3	NE 4	NW 2	SW 3	calm	ENE 2	SSW 2	ENE 3	S 4
Weather	fair	cloudy	cloudy	cloudy	cloudy	cloudy	cloudy	fair	fair	clear	cloudy	clear	cloudy	cloudy	fair	fair	fair
Station	Shanghai	Hankow	Rasa	Palau	Hongkong	Manila	Surigao	Guam	Yap	Phu-Lien	Cap-S-Jacques	Honolulu	Midway I.	Nume	Siku	Dutch Harbor	Kodiak
Hour of Observation	12h, 135 E	12h, 135 E	12h, 135 E	12h, 135 E	14h	14h	14h	14h	14h	10h	10h	20h	18:30h	20h, 135 W	20h, 135 W	20h, 135 W	20h, 135 W
Atm. Pressure (Red. to sea level and 30 in. Hg)	754.1	753.2	757.6	757.7	755.0	757.1	757.8	759.3	758.9	753.0	758.6	764.0	768.0	760.0	765.5	-	759.5
Air Temperature (in C)	25.5	27.6	29.5	29.6	30.	28.	30.	-	-	31.	27.	24.	26.	11.	12.	-	9.
Direction and Force of Winds (0-12)	ESE 2	SE 1	SW 5	SE 3	SW 4	SSE 1	N 2	N 1	E 2	S 5	SW 4	E 1	SE 3	W 1	N	-	-
Weather	cloudy	cloudy	clear	cloudy	cloudy	cloudy	clear	rain	fair	cloudy	cloudy	clear	fair	clear	cloudy	-	cloudy

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No. 546



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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	Siomusaki	Kobe	Tyosi	Hatidyosima	Titizima	Niigata	Aomori	Nemuro	Maoka	Moppe	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 Sea Gr.)	756.5	758.7	759.6	761.2	760.5	761.4	759.8	760.8	762.2	762.4	753.0	761.6	759.3	762.3	756.2	756.2	758.6	
Air Temperature (in C)	32.7	29.2	23.6	23.3	26.5	21.7	21.7	28.9	22.1	17.6	9.0	19.4	27.6	17.2	29.4	32.0	24.4	
Direction and Force of Winds (0-12)	NNE 2	S 5	NE 4	ENE 4	S 3	NNE 4	NE 5	SSW 4	NNW 3	N 3	SSE 5	WSW 5	S 2	SE 2	SSE 3	E 3	SSW 6	
Weather	fair	cloudy	cloudy	cloudy	fair	cloudy	cloudy	cloudy	fair	cloudy	cloudy	cloudy	cloudy	cloudy	cloudy	fair	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 , 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 sea level and Sea Gr.)	757.4	753.8	760.3	756.8	755.0	757.4	758.7	758.8	758.7	752.8	758.6	763.0	767.6	759.5	762.5	760.0	756.9	
Air Temperature (in C)	24.3	23.9	30.6	31.0	29.	32.	28.	28.	28.	29.	26.	24.	26.	13.	13.	9.	9.	
Direction and Force of Winds (0-12)	ENE 2	ENE 3	S 3	NE 3	SW 4	SW 2	N 3	NW 2	NE 3	SW 3	SW 2	E 1	SE 2	S 1	calm	N -	N -	
Weather	rain	fair	fair	cloudy	cloudy	clear	fair	rain	fair	cloudy	cloudy	fair	fair	rain	cloudy	cloudy	rain	

大正十三年六月二十九日

北太平洋天氣圖

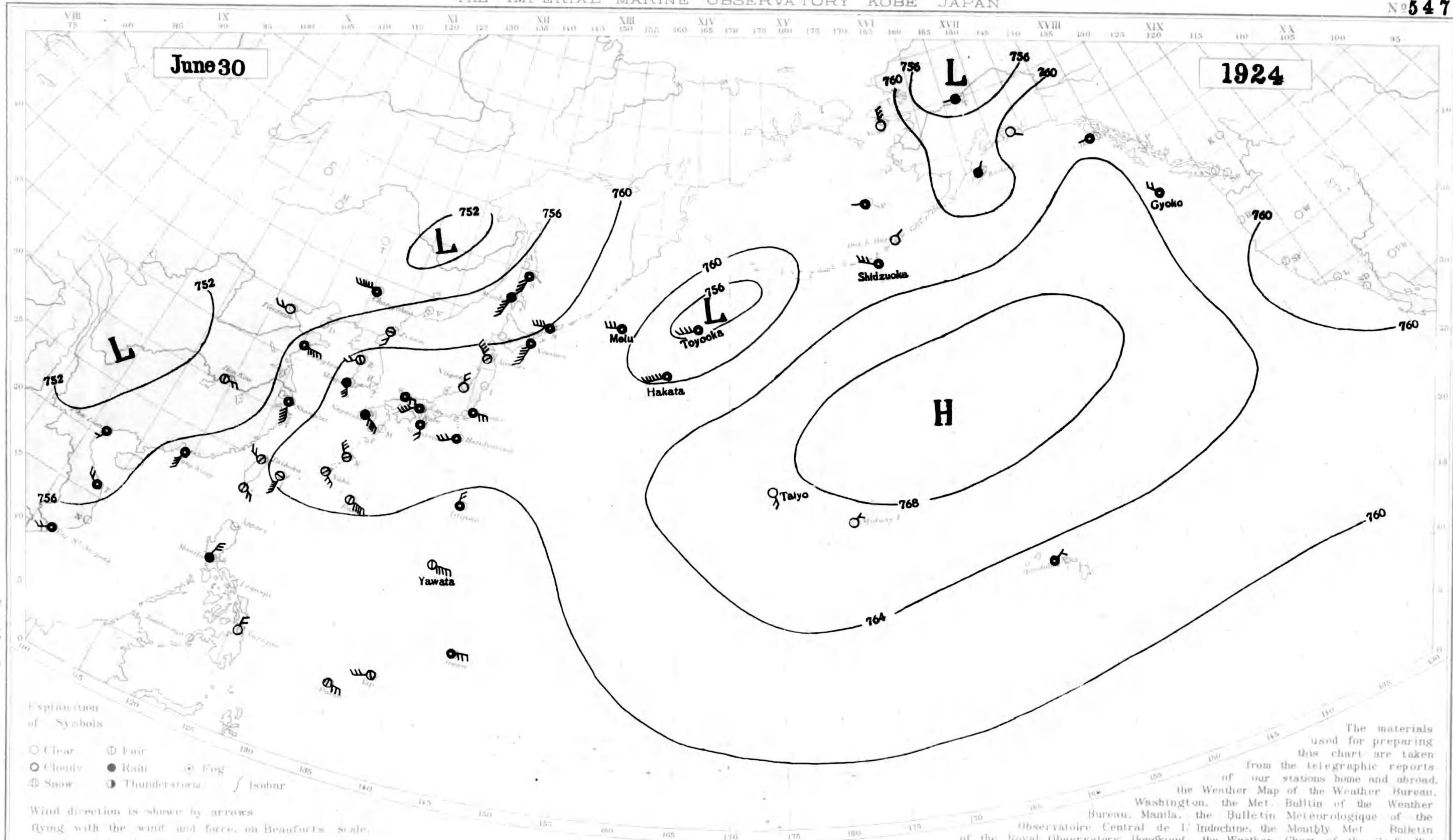
第五四六號

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 547



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	Tokoku 12° 135° E	Naha 12° 135° E	Nagasaki 12° 135° E	Siomiaki 12° 135° E	Kobe 12° 135° E	Tyosi 12° 135° E	Haidyosima 12° 135° E	Tizizima 12° 135° E	Nagata 12° 135° E	Aomori 12° 135° E	Nemuro 12° 135° E	Mooka 12° 135° E	Moppo 12° 135° E	Zyosin 12° 135° E	Changchun 12° 135° E	Tientsin 12° 135° E	Tsington 12° 135° E
Atm. Pressure (Red to sea and Stud. (r) not reduced to Stud. (r))	759.0	760.7	762.3	763.5	763.3	763.3	763.6	759.4	763.2	762.2	760.1	758.0	760.2	758.1	754.5	755.8	758.4
Air Temperature (in °C)	32.0	31.0	20.7	24.4	25.6	19.3	23.9	29.3	22.7	21.1	13.7	13.5	21.5	18.8	26.4	33.4	21.6
Direction and Force of Winds (0-12)	WNW 3	SE 3	SE 5	SSE 2	SW 4	E 3	WSW 3	N 2	N 2	NW 4	SSW 6	SSW 5	SSE 3	S 2	W 6	W 2	E 5
Weather	fair	fair	rain	cloudy	cloudy	cloudy	cloudy	cloudy	clear	fair	cloudy	rain	rain	fair	cloudy	clear	cloudy
Station	Shanghai 12° 135° E	Hankow 12° 135° E	Rusa 12° 135° E	Pulan 12° 135° E	Hongkong 14°	Manila 14°	Surigao 14°	Guam 14°	Yap 14°	Phi-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 and Stud. (r) not reduced to Stud. (r))	756.3	754.2	761.8	756.6	757.1	758.7	757.9	758.5	758.3	755.4	760.3	763.5	767.6	761.0	763.5	760.5	755.4
Air Temperature (in °C)	27.3	29.3	30.8	29.9	29.	29.	30.	-	-	28.	26.	23.	26.	8.	12.	9.	9.
Direction and Force of Winds (0-12)	SSE 5	E 2	ESE 5	ESE 3	S 4	NNE 3	N 2	E 3	WSW 3	SSW 1	Sw 2	NE 1	NE 1	N 3	W -	NE -	NE -
Weather	cloudy	fair	fair	fair	cloudy	rain	clear	cloudy	fair	cloudy	cloudy	cloudy	clear	clear	cloudy	clear	rain

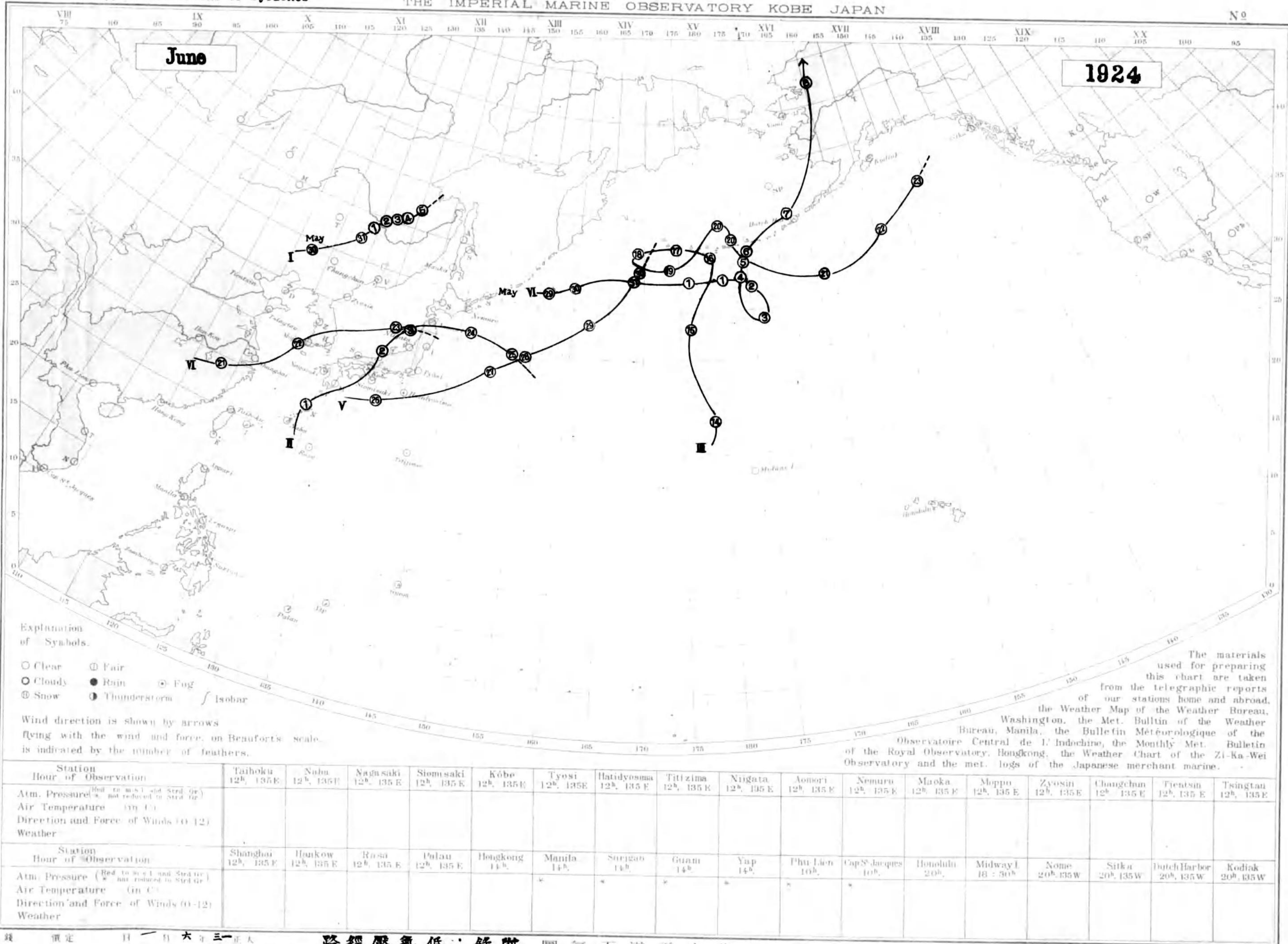
DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No

Appendix: Tracks of Cyclones



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	Siomsaki	Kobe	Tyosi	Hatidyosma	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 sea level and Sea level)																	
Air Temperature (in C)																	
Direction and Force of Winds (0-12)																	
Weather																	
Station	Shanghai	Hankow	Rosa	Pulau	Hongkong	Manila	Sorogao	Guam	Yap	Phi Lien	Cap St-Jacques	Honolulu	Midway I.	Nome	Sitka	Dutch Harbor	Kodiak
Hour of Observation	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	12 ^h , 135 E	14 ^h	14 ^h	14 ^h	14 ^h	14 ^h	10 ^h	10 ^h	20 ^h	18 : 30 ^h	20 ^h , 135 W	20 ^h , 135 W	20 ^h , 135 W	20 ^h , 135 W
Atm. Pressure (Red to sea level and Sea level)																	
Air Temperature (in C)																	
Direction and Force of Winds (0-12)																	
Weather																	

錢 價定 日 一 月 六 年 三 一 正 大

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不許複製

印刷所
海洋氣象臺

印刷者
海洋氣象臺

神戸市中山手通七丁目

大正十三年十二月七日發行
大正十三年十二月三日印刷

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