

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

大正十二年五月

神戶  
海氣象臺

# DAILY WEATHER CHARTS

OF THE

## NORTH PACIFIC OCEAN.

MAY

1923



THE IMPERIAL MARINE OBSERVATORY,  
KOBE, JAPAN.

公發行所寄贈本

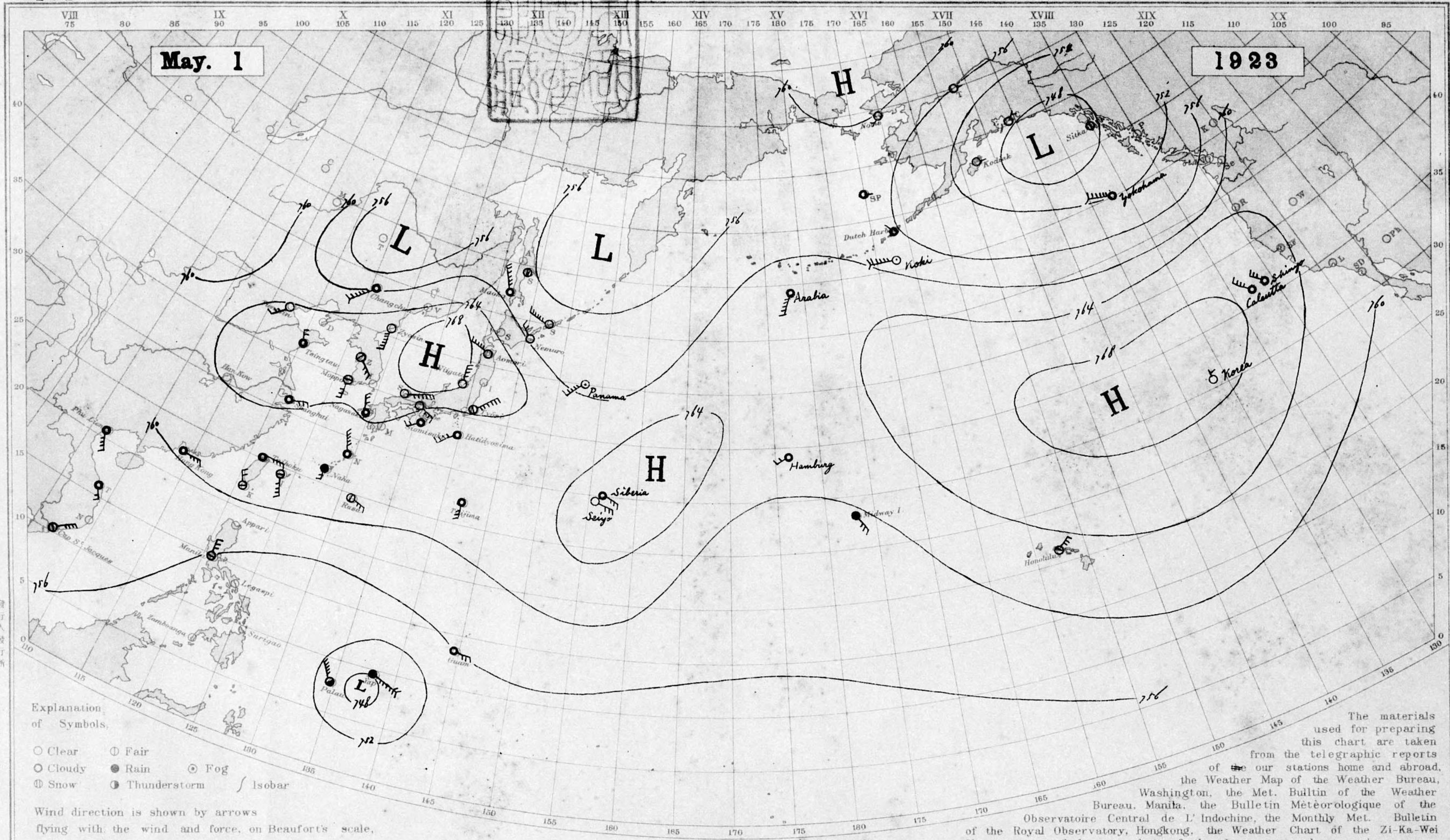
大正  
13.9  
製本

# DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the time of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 121



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 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E
Atm. Pressure (Red. to m.s.l. and Strd. Gr.)	761.5	762.0	764.5	762.5	764.8	763.8	762.6	752.7	768.7	766.7	760.6	759.3	765.2	767.2	759.7	766.5	767.7
Air Temperature (in C)	27.4	22.0	22.1	23.3	21.4	14.7	20.7	25.9	14.0	11.9	8.2	1.0	21.5	12.6	18.7	-	16.0
Direction and Force of Winds (0-12)	E 4	S 2	NNW 3	SW 2	ESE 3	NE 6	SW 4	S 3	N 4	WNW 5	NW 2	NNW 6	S 3	S 6	SW 7	SW 3	NNW 2
Weather	cloudy	rain	cloudy	cloudy	clear	fair	cloudy	cloudy	clear	clear	clear	cloudy	fair	clear	cloudy	clear	clear
Station	Shanghai	Hankau	Rasa	Palau	Hongkong	Manila	Surigao	Guam	Yap	Phu Lien	Cap-S-Jacques	Honolulu	Midway I.	Nome	Sitka	Dutch Harbor	Kodiak
Hour of Observation	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	10 <sup>h</sup>	10 <sup>h</sup>	20 <sup>h</sup>	18:30 <sup>h</sup>	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W
Atm. Pressure (Red. to m.s.l. and Strd. Gr.)	765.1	-	761.9	753.1	760.7	757.7	-	757.8	750.1	760.3	760.6	763.5	758.9	760.5	747.3	755.9	750.3
Air Temperature (in C)	17.6	-	27.4	26.8	28.0	30.0	-	-	-	26.0	28.0	23.0	21.0	-2.0	6.0	7.0	4.0
Direction and Force of Winds (0-12)	ENE 3	-	ESE 3	NW 5	E 4	N 3	-	ESE 3	ESE 8	SSE 4	NE 4	NE 3	SE 3	SW 1	calm	NW	E
Weather	cloudy	-	fair	th.s.	cloudy	fair	-	cloudy	rain	cloudy	fair	fair	rain	clear	fair	cloudy	clear

日一月五年二十正大

大正  
13.1.25  
寄贈

圖氣天洋平大北

號一十百第

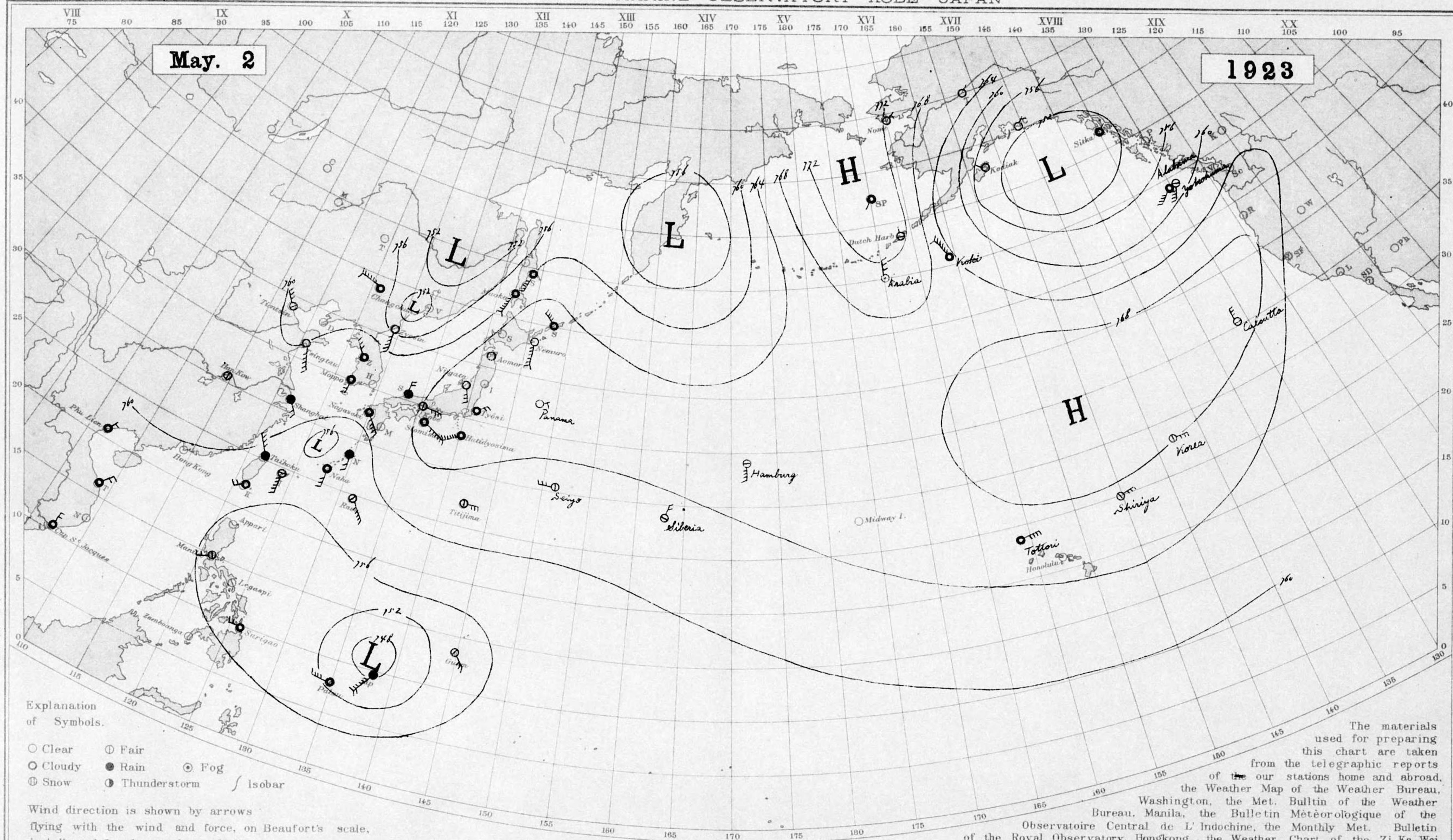
發行所 東京市中山手通七丁目 海軍省 印刷所 東京市中山手通七丁目

# DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the time of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 122



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

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	Kôbe	Tyosi	Hatidyosima	Titizima	Niigata	Aomori	Nemuro	Maoka	Moppo	Zyosin	Changchun	Tientsia	Tsingtau
Hour of Observation	12 <sup>h</sup> , 135°E	12 <sup>h</sup> , 135°E	12 <sup>h</sup> , 135°E	12 <sup>h</sup> , 135°E	12 <sup>h</sup> , 135°E	12 <sup>h</sup> , 135°E	12 <sup>h</sup> , 135°E	12 <sup>h</sup> , 135°E	12 <sup>h</sup> , 135°E	12 <sup>h</sup> , 135°E	12 <sup>h</sup> , 135°E	12 <sup>h</sup> , 135°E	12 <sup>h</sup> , 135°E	12 <sup>h</sup> , 135°E	12 <sup>h</sup> , 135°E	12 <sup>h</sup> , 135°E	12 <sup>h</sup> , 135°E
Atm. Pressure (* not reduced to Strd Gr.)	759.1	758.3	761.4	765.5	764.3	768.5	766.5	761.3	764.6	764.8	767.0	759.8	761.3	755.5	756.6	759.4	761.0
Air Temperature (in C)	20.4	27.0	22.3	21.0	22.7	14.9	16.9	26.1	21.8	13.6	7.6	7.6	21.1	18.9	15.4	-	13.0
Direction and Force of Winds (0-12)	NW 4	S 3	SE 5	ESE 6	E 4	NE 2	SW 6	E 3	SSE 3	calm	S 7	SSW 7	S 2	S 5	WNW 7	NW 3	SSE 5
Weather	rain	cloudy	cloudy	cloudy	fair	cloudy	cloudy	fair	clear	clear	clear	cloudy	cloudy	clear	cloudy	fair	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 <sup>h</sup> , 135°E	12 <sup>h</sup> , 135°E	12 <sup>h</sup> , 135°E	12 <sup>h</sup> , 135°E	12 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	10 <sup>h</sup>	10 <sup>h</sup>	20 <sup>h</sup>	18 : 30 <sup>h</sup>	20 <sup>h</sup> , 135°W	20 <sup>h</sup> , 135°W	20 <sup>h</sup> , 135°W	20 <sup>h</sup> , 135°W
Atm. Pressure (* not reduced to Strd Gr.)	760.1	760.8	759.3	753.1	-	*756.3	*756.0	*756.2	*750.8	*759.1	*759.1	-	-	770.6	751.8	773.7	752.3
Air Temperature (in C)	17.5	-	26.8	23.3	-	32.	30.	-	-	23.	27.	-	-	- 2.	4.	2.	6.
Direction and Force of Winds (0-12)	SE 2	calm	SE 5	WNW 4	-	WSW 2	W 2	SE 3	SW 8	NNE 1	N 2	-	-	NE 1	NE -	N -	NW -
Weather	rain	fair	fair	cloudy	-	fair	cloudy	fair	rain	cloudy	cloudy	-	-	clear	cloudy	fair	clear

日 二 月 五 年 十 正 大

圖 氣 天 洋 平 大 北

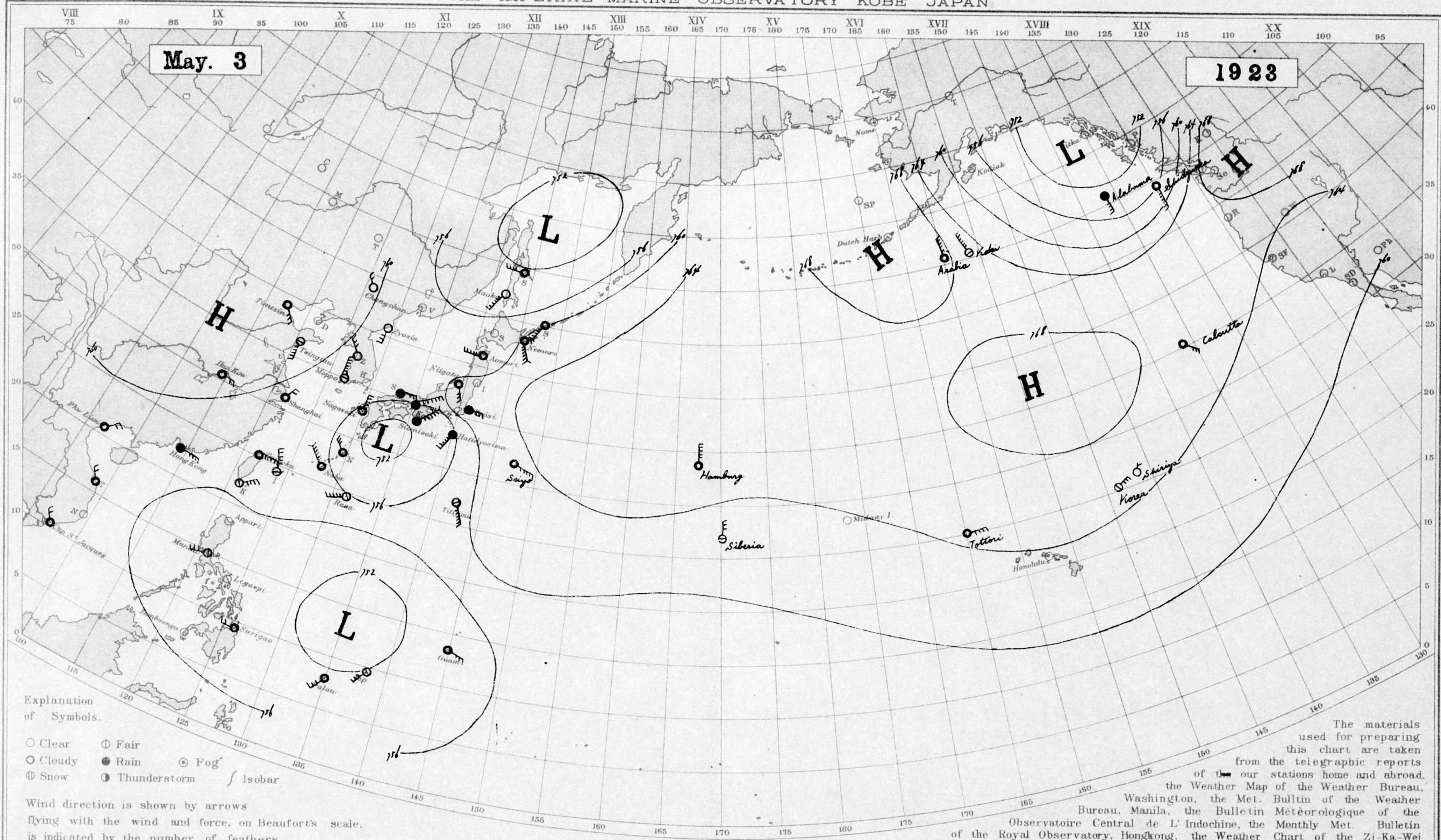
號 一 十 二 百 第

# DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the time of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 123



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 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E
Atm. Pressure (Red. to m.s.l. and Std. Gr.)	759.6	758.3	755.9	753.7	756.3	761.3	755.9	759.8	760.0	758.9	760.6	755.2	758.6	759.6	760.6	762.3	761.8
Air Temperature (in C)	24.0	22.5	17.3	15.1	14.9	14.9	19.2	25.7	19.4	20.5	9.7	16.4	17.4	14.3	18.2	-	9.9
Direction and Force of Winds (0-12)	E 5	NW 7	N 4	NE 9	E 6	E 3	SSW 5	SSE 6	SSE 3	W 5	SSE 7	SSW 6	N 6	S 3	NW 2	SE 3	S 5
Weather	cloudy	cloudy	cloudy	rain	rain	rain	rain	fair	cloudy	cloudy	cloudy	clear	fair	clear	clear	cloudy	fair
Station	Shanghai	Hankow	Rasa	Palau	Hongkong	Manila	Surigao	Guam	Yap	Phu-Lien	Cap-S-Jacques	Honolulu	Midway I.	Nome	Sitka	Dutch Harbor	Kodiak
Hour of Observation	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	10 <sup>h</sup>	10 <sup>h</sup>	20 <sup>h</sup>	18 : 30 <sup>h</sup>	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W
Atm. Pressure (Red. to m.s.l. and Std. Gr.)	761.6	760.4	756.5	754.8	758.0	* 755.2	* 756.4	* 756.3	* 754.3	* 758.1	* 758.7	-	-	-	-	-	-
Air Temperature (in C)	16.6	-	26.9	28.7	21.0	33.0	30.0	-	-	27.0	26.0	-	-	-	-	-	-
Direction and Force of Winds (0-12)	NNE 2	E 2	WSW 5	SW 3	E 4	WSW 3	W 2	ESE 3	SW 3	NE 2	NW 2	-	-	-	-	-	-
Weather	cloudy	cloudy	fair	cloudy	rain	fair	cloudy	cloudy	fair	cloudy	cloudy	-	-	-	-	-	-

印 發 行 人 發 行 所  
神 戶 市 中 山 手 通 七 丁 目

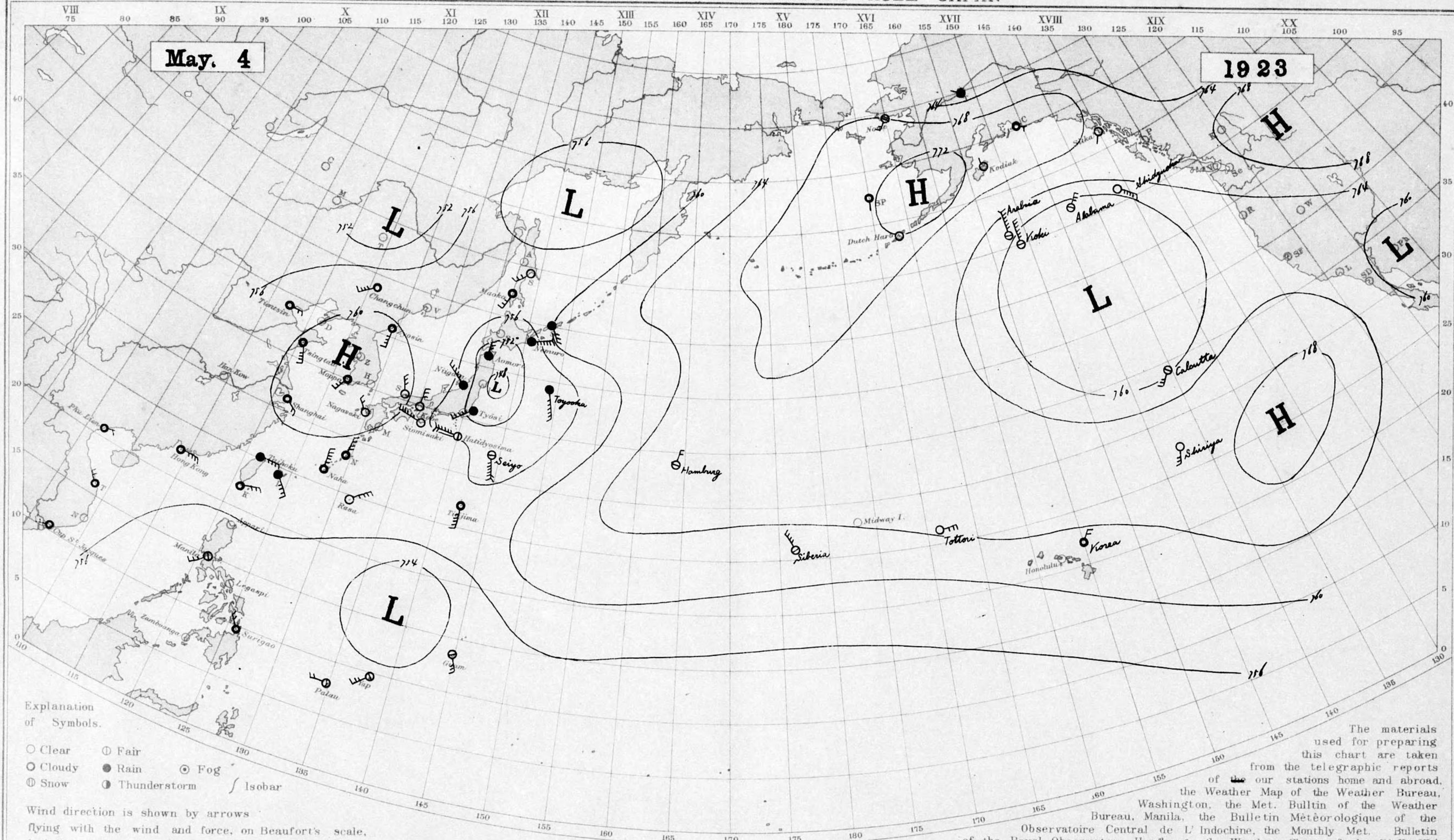
海 洋 氣 象 臺

# DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the time of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No. 124



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	Titizima	Niigata	Aomori	Nemuro	Maoka	Moppo	Zyosin	Changchun	Tientsin	Tsingtau
Hour of Observation	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E
Atm. Pressure (Red. to m.s.l. and Strd. Gr.)	758.7	758.4	760.3	756.0	758.4	751.6	755.3	758.2	755.1	751.4	753.1	758.6	761.3	760.8	756.9	758.0	760.4
Air Temperature (in C)	19.6	23.7	21.3	20.5	20.1	17.3	20.0	25.9	10.8	11.5	7.3	8.8	20.1	12.6	21.2	-	11.7
Direction and Force of Winds (0-12)	E 4	N 5	NW 2	W 6	N 3	SW 5	W 8	S 5	NW 5	N 3	ENE 7	N 2	SSW 3	S 4	SW 4	E 2	SSE 4
Weather	rain	cloudy	clear	clear	clear	rain	fair	cloudy	rain	rain	rain	cloudy	cloudy	cloudy	cloudy	cloudy	cloudy
Station	Shanghai	Hankow	Rasa	Palau	Hongkong	Manila	Surigao	Guam	Yap	Phu-Lien	Cap St-Jacques	Honolulu	Midway I.	Nome	Sitka	Dutch Harbor	Kodiak
Hour of Observation	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	10 <sup>h</sup>	10 <sup>h</sup>	20 <sup>h</sup>	18 : 30 <sup>h</sup>	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W
Atm. Pressure (Red. to m.s.l. and Strd. Gr.)	760.4	-	757.3	755.9	757.7	*756.0	*756.5	*756.4	*756.8	*757.0	*759.1	-	-	767.6	767.6	772.7	769.6
Air Temperature (in C)	18.7	-	27.8	29.6	22.0	32.0	30.0	-	-	27.0	26.0	-	-	0.	7.	6.	7.
Direction and Force of Winds (0-12)	ESE 2	-	NE 4	W 2	E 4	SW 3	NW 2	SSE 3	SW 3	ENE 1	WSW 2	-	-	SW 2	calm	calm	N -
Weather	cloudy	-	clear	fair	cloudy	fair	cloudy	fair	fair	cloudy	cloudy	-	-	snow	clear	clear	clear

日 四 月 五 年 二 十 正 大

圖 氣 天 洋 平 大 北

號 四 十 二 百 第

印 發 行 入 發 行 所  
神 戶 市 中 山 手 通 七 丁 目

海 洋 氣 象 臺

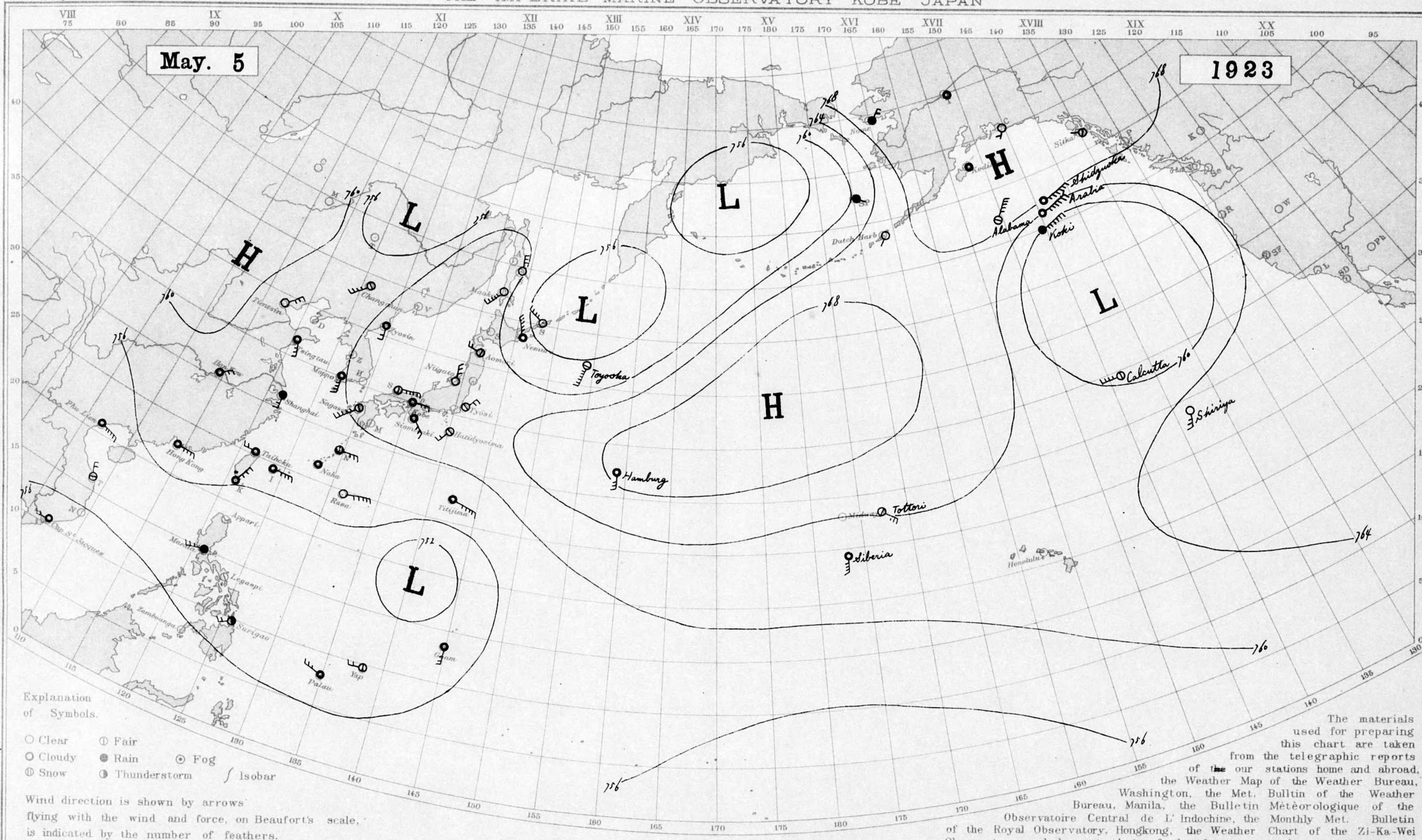
99

# DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the time of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 125



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.

海  
氣  
象  
臺

Station	Taihoku	Naha	Nagasaki	Siomisaki	Kobe	Tyosai	Hatidyosima	Titizima	Niigata	Aomori	Nemuro	Maoka	Moppo	Zyosin	Changchun	Tientsin	Tsingtau
Hour of Observation	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E
Atm. Pressure (* Red. to m.s.l. and Strd. Gr. * not reduced to Strd. Gr.)	756.6	757.6	760.1	761.3	762.0	762.8	761.6	758.4	763.8	762.9	757.4	761.0	759.7	761.3	757.2	757.5	757.9
Air Temperature (in C)	25.9	26.3	21.3	20.1	17.8	16.0	21.2	25.6	15.7	16.9	7.5	9.4	19.2	10.7	20.6	-	12.6
Direction and Force of Winds (0-12)	W 2	E 4	SW 5	SE 3	E 3	NE 2	SW 2	ESE 5	N 3	WNW 2	NNW 5	SW 5	S 4	S 2	SW 4	NE 3	SSE 3
Weather	cloudy	cloudy	fair	cloudy	cloudy	fair	fair	cloudy	clear	fair	cloudy	clear	cloudy	cloudy	fair	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 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	10 <sup>h</sup>	10 <sup>h</sup>	20 <sup>h</sup>	18:30 <sup>h</sup>	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W
Atm. Pressure (* Red. to m.s.l. and Strd. Gr. * not reduced to Strd. Gr.)	756.9	759.2	757.2	756.3	756.8	* 756.5	* 757.0	* 757.3	* 757.6	* 756.5	* 759.0	-	-	769.1	770.6	765.5	768.6
Air Temperature (in C)	18.4	-	27.8	28.1	25.	29.	31.	-	-	27.	-	-	-	1.	8.	9.	10.
Direction and Force of Winds (0-12)	S 2	NE 2	ENE 5	WNW 3	E 4	WSW 3	WSW 2	S 3	W 2	ESE 5	WSW 2	-	-	NE 2	NW -	SW -	NE -
Weather	rain	cloudy	fair	cloudy	cloudy	rain	th.s.	cloudy	fair	cloudy	cloudy	-	-	rain	fair	clear	cloudy

日 五 月 五 年 二 十 正 大

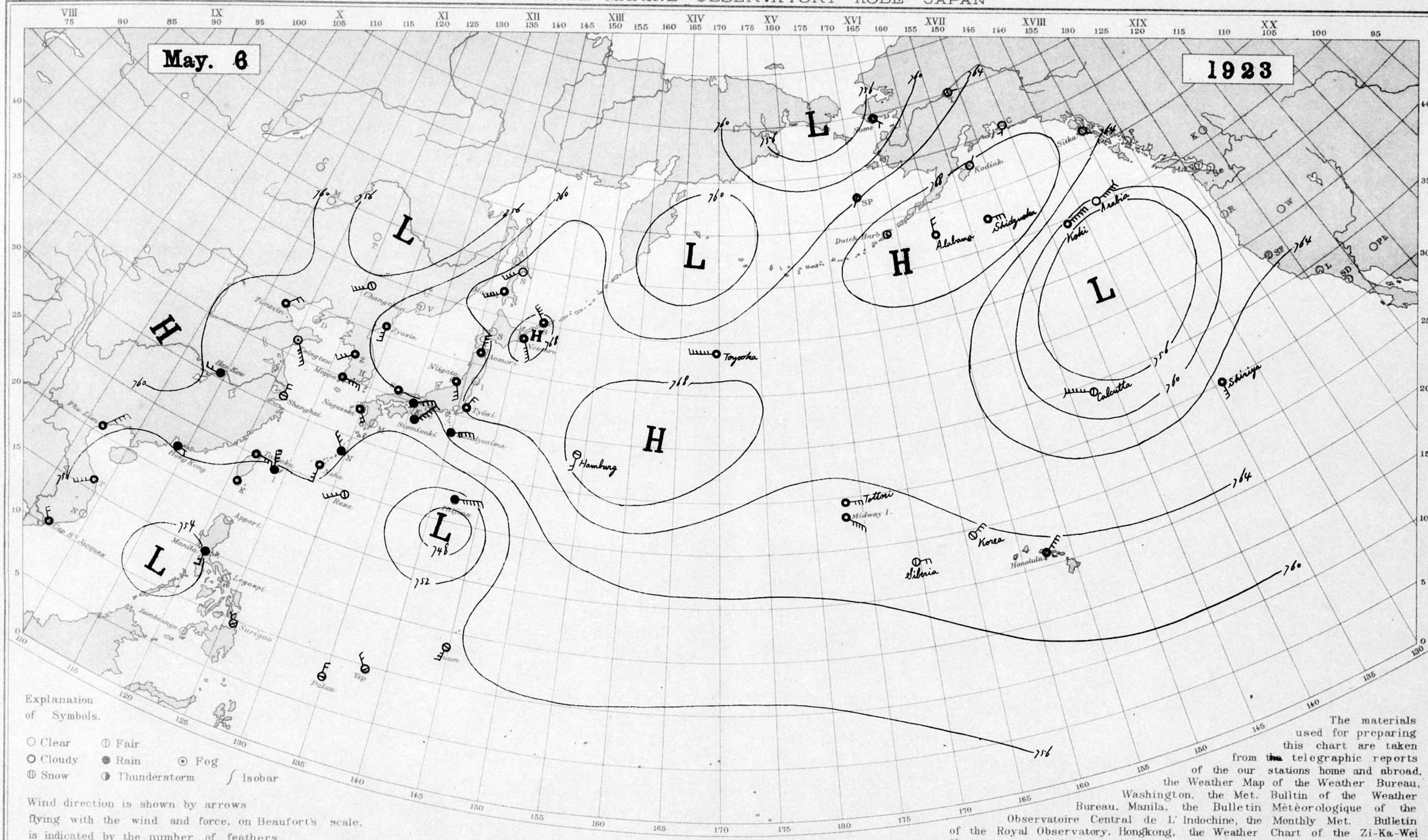
圖 氣 天 洋 平 大 北

# DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the time of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 126



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

**Explanation of Symbols.**

- Clear      ⊙ Fair
- ☁ Cloudy    ● Rain      ⊙ Fog
- ⊙ Snow      ⊙ Thunderstorm
- 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 the 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	Naga-saki	Siomi-saki	Kôbe	Tyosi	Hatidyosima	Titizima	Niigata	Aomori	Nemuro	Maoka	Moppo	Zyosin	Changchun	Tientsin	Tsingtau
Hour of Observation	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E
Atm. Pressure (Red to m.s.l. and Std. Gr. * not reduced to Std. Gr.)	757.4	755.6	758.2	759.8	760.0	764.6	761.0	751.4	761.9	763.5	768.6	765.8	758.0	761.8	757.0	758.7	759.6
Air Temperature (in C)	24.8	26.6	15.2	18.7	20.9	18.0	20.4	22.9	24.1	15.1	11.6	11.8	16.0	10.5	20.9	-	9.8
Direction and Force of Winds (0-12)	E 3	S 3	SE 2	NE 6	ENE 4	NNE 2	ENE 5	ENE 6	SSE 3	N 3	SE 5	SW 5	E 4	S 3	SW 4	NE 2	SE 5
Weather	cloudy	cloudy	cloudy	rain	rain	cloudy	rain	rain	cloudy	cloudy	cloudy	cloudy	cloudy	cloudy	fair	cloudy	fog
Station	Shanghai	Hankow	Rasa	Palau	Hongkong	Manila	Surigao	Guam	Yap	Phu-Lien	Cap <sup>s</sup> -Jacques	Honolulu	Midway I.	Nome	Sitka	Dutch Harbor	Kodiak
Hour of Observation	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	10 <sup>h</sup>	10 <sup>h</sup>	20 <sup>h</sup>	18 : 30 <sup>h</sup>	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W
Atm. Pressure (Red to m.s.l. and Std. Gr. * not reduced to Std. Gr.)	758.3	760.4	756.1	756.9	756.2	755.8	756.6	757.8	758.0	758.7	758.5	763.0	760.5	756.9	765.0	771.6	768.0
Air Temperature (in C)	20.9	-	27.3	28.4	25.	25.	30.	-	-	24.	28.	22.	22.	0.	9.	6.	9.
Direction and Force of Winds (0-12)	N 2	W 2	SW 4	N 2	E 1	S 2	NW 1	SSW 3	NW 2	NNE 5	SW 4	NE 4	SE 5	SE 1	SE -	calm	NE -
Weather	fair	rain	fair	fair	rain	rain	fair	fair	fair	cloudy	cloudy	cloudy	cloudy	cloudy	clear	fair	clear

日 六 月 五 年 一 十 正 大

圖 氣 天 洋 平 大 北

號 十 二 百 第

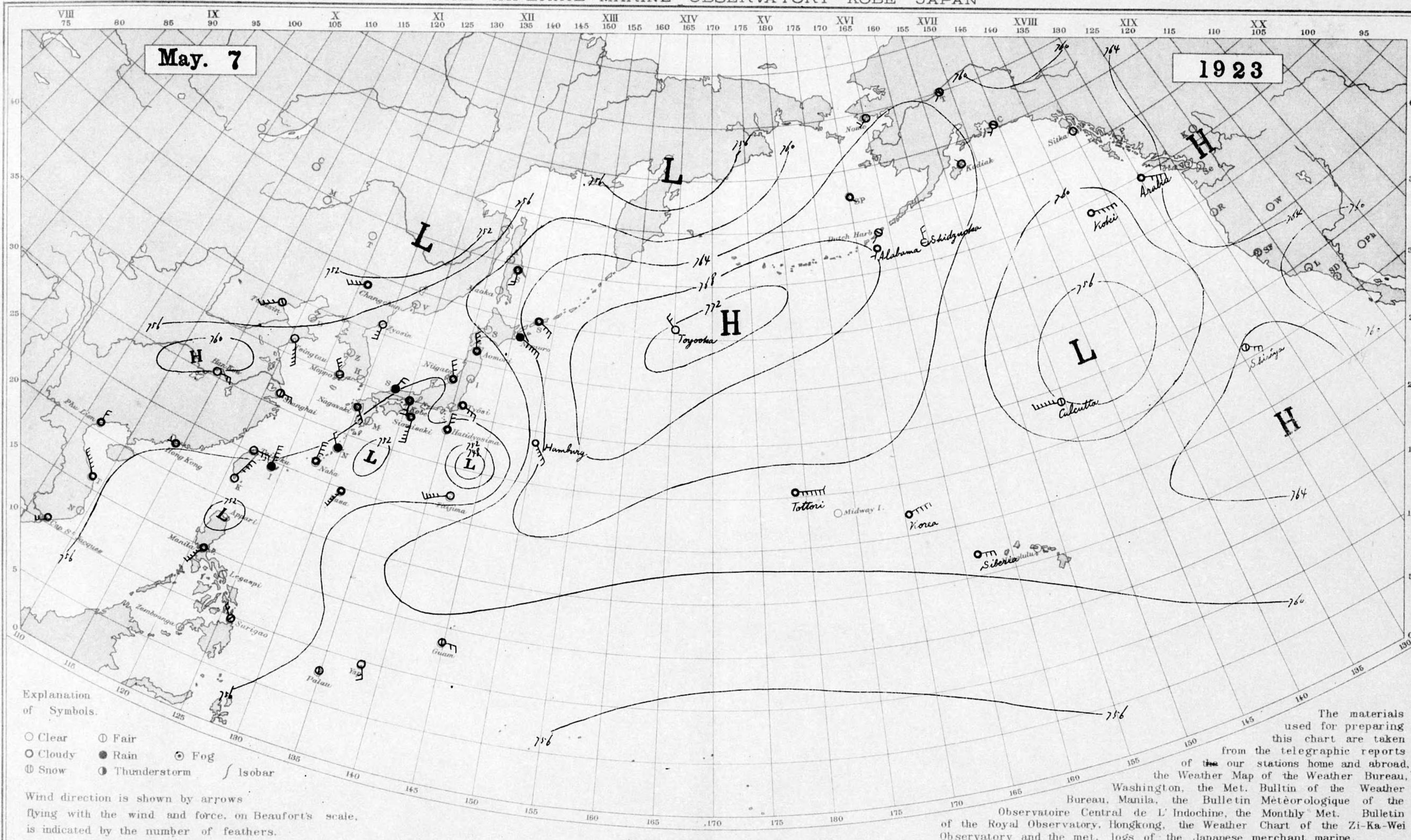


# DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the time of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 127



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.

洋  
氣  
象  
臺

Station	Taihoku	Naha	Nagasaki	Siomisaki	Kobe	Tyosi	Haidyosima	Titizima	Niigata	Aomori	Nemuro	Maoka	Moppo	Zyosin	Changchun	Tientsin	Tsingtau
Hour of Observation	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E
Atm. Pressure (Red. to m.s.l. and Strd. Gr. * not reduced to Strd. Gr.)	767.4	754.7	756.3	754.3	755.5	757.4	755.1	755.4	756.4	758.0	763.8	-	757.2	758.3	752.4	753.9	759.5
Air Temperature (in C)	22.7	22.3	19.2	20.1	16.4	18.4	21.2	25.1	16.5	11.4	4.4	-	18.4	11.4	21.2	-	13.9
Direction and Force of Winds (0-12)	E 3	N 4	SE 3	S 5	S 2	ESE 3	N 3	WSW 5	NNW 3	NNW 3	SE 5	-	NW 3	S 3	WSW 4	SW 4	SE 5
Weather	clear	cloudy	cloudy	cloudy	cloudy	cloudy	cloudy	clear	cloudy	cloudy	rain	-	fair	clear	cloudy	fair	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 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	10 <sup>h</sup>	10 <sup>h</sup>	20 <sup>h</sup>	18:30 <sup>h</sup>	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W
Atm. Pressure (Red. to m.s.l. and Strd. Gr. * not reduced to Strd. Gr.)	758.7	759.8	755.2	757.2	756.8	* 755.5	* 756.5	* 758.2	* 758.4	* 760.9	* 758.7	-	-	772.2	762.0	767.6	764.0
Air Temperature (in C)	17.5	-	26.0	28.8	26.8	25.	31.	25.	27.	25.	27.	-	-	- 2.	6.	4.	7.
Direction and Force of Winds (0-12)	E 2	E 2	SSW 5	calm	W 1	SSW 5	NW 2	E 2	SSE 2	N 2	SW 2	-	-	SW 1	calm	SW -	NW -
Weather	fair	clear	cloudy	fair	cloudy	cloudy	fair	fair	clear	cloudy	cloudy	-	-	clear	clear	fair	clear

日七月五年二十正大

圖氣天洋平大北

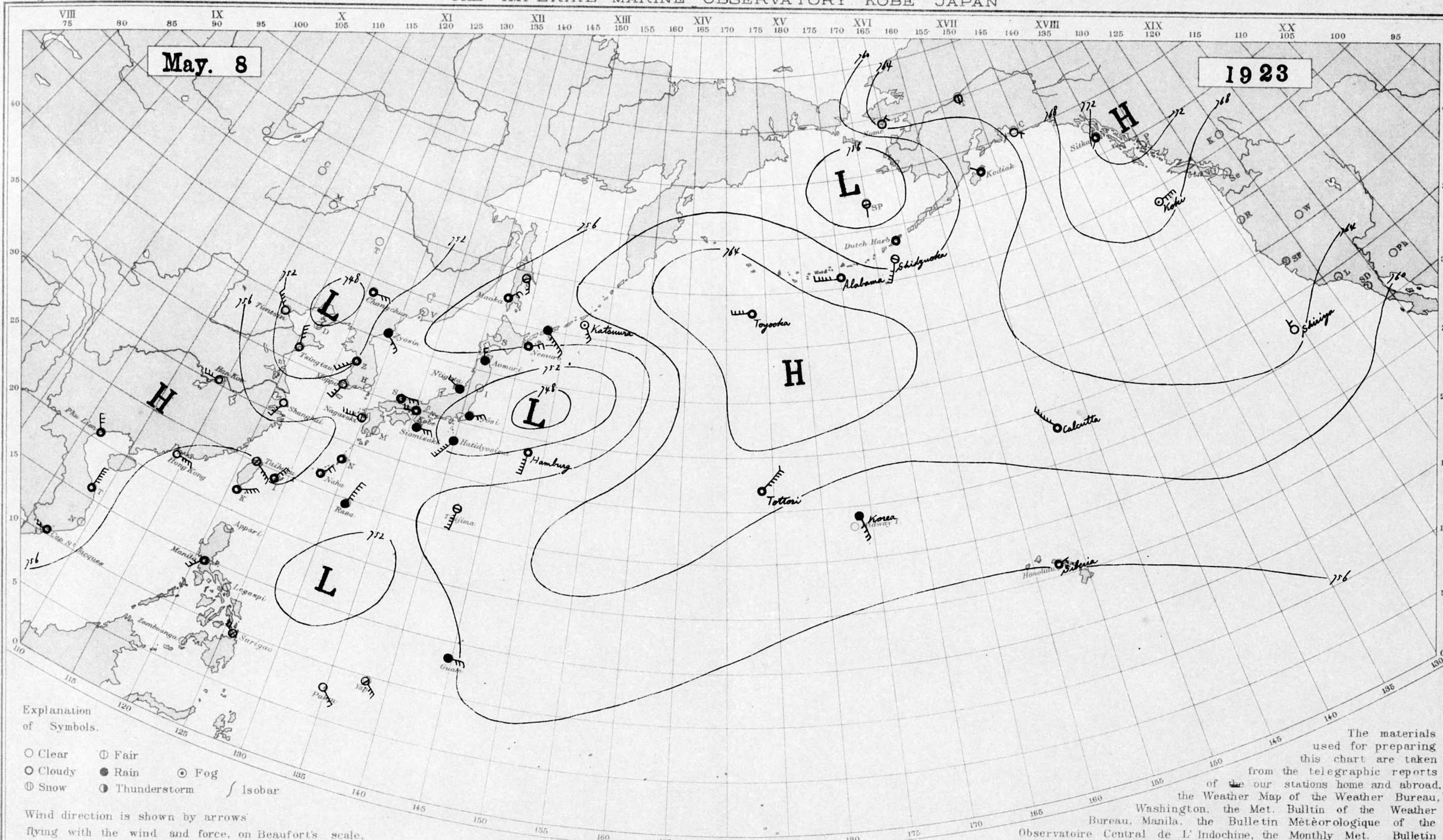
號七十一百第

# DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the time of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No. 128



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	Tiizima	Niigata	Aomori	Nemuro	Maaka	Moppo	Zyosin	Changchun	Tientsin	Tsingtau
Hour of Observation	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E
Atm. Pressure (Red. to m.s.l. and Strd. Gr.)	755.9	755.0	754.1	752.3	753.3	752.6	750.5	757.0	754.9	753.6	756.0	755.1	753.7	754.0	748.5	751.3	750.4
Air Temperature (in C)	27.2	22.5	20.1	18.3	15.8	15.4	20.5	25.6	13.2	11.6	7.2	9.6	20.1	7.5	15.0	-	20.0
Direction and Force of Winds (0-12)	ESE 4	NE 2	W 4	E 3	W 2	ENE 3	SW 6	SSW 5	WNW 2	NNW 2	ENE 2	NE 2	SSW 3	SE 3	E 3	NW 4	NNW 4
Weather	fair	cloudy	fair	rain	cloudy	rain	rain	fair	rain	rain	cloudy	cloudy	clear	rain	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 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	10 <sup>h</sup>	10 <sup>h</sup>	20 <sup>h</sup>	18 : 30 <sup>h</sup>	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W
Atm. Pressure (Red. to m.s.l. and Strd. Gr.)	754.7	756.5	753.8	757.1	756.5	755.6	755.8	757.4	756.9	760.2	758.2	-	-	765.5	774.2	757.9	762.0
Air Temperature (in C)	21.4	-	21.7	30.1	28.	26.	30.	-	-	25.	27.	-	-	- 2.	7.	7.	6.
Direction and Force of Winds (0-12)	SSW 3	W 3	NNE 6	SE 3	E 4	SW 3	WNW 2	E 3	SE 3	NNW 3	W 2	-	-	NE 1	SW -	W -	NW -
Weather	clear	clear	rain	clear	clear	cloudy	fair	rain	fair	cloudy	cloudy	-	-	clear	cloudy	cloudy	cloudy

日八廿月五年十正

圖氣天洋平大北

號八十二百第

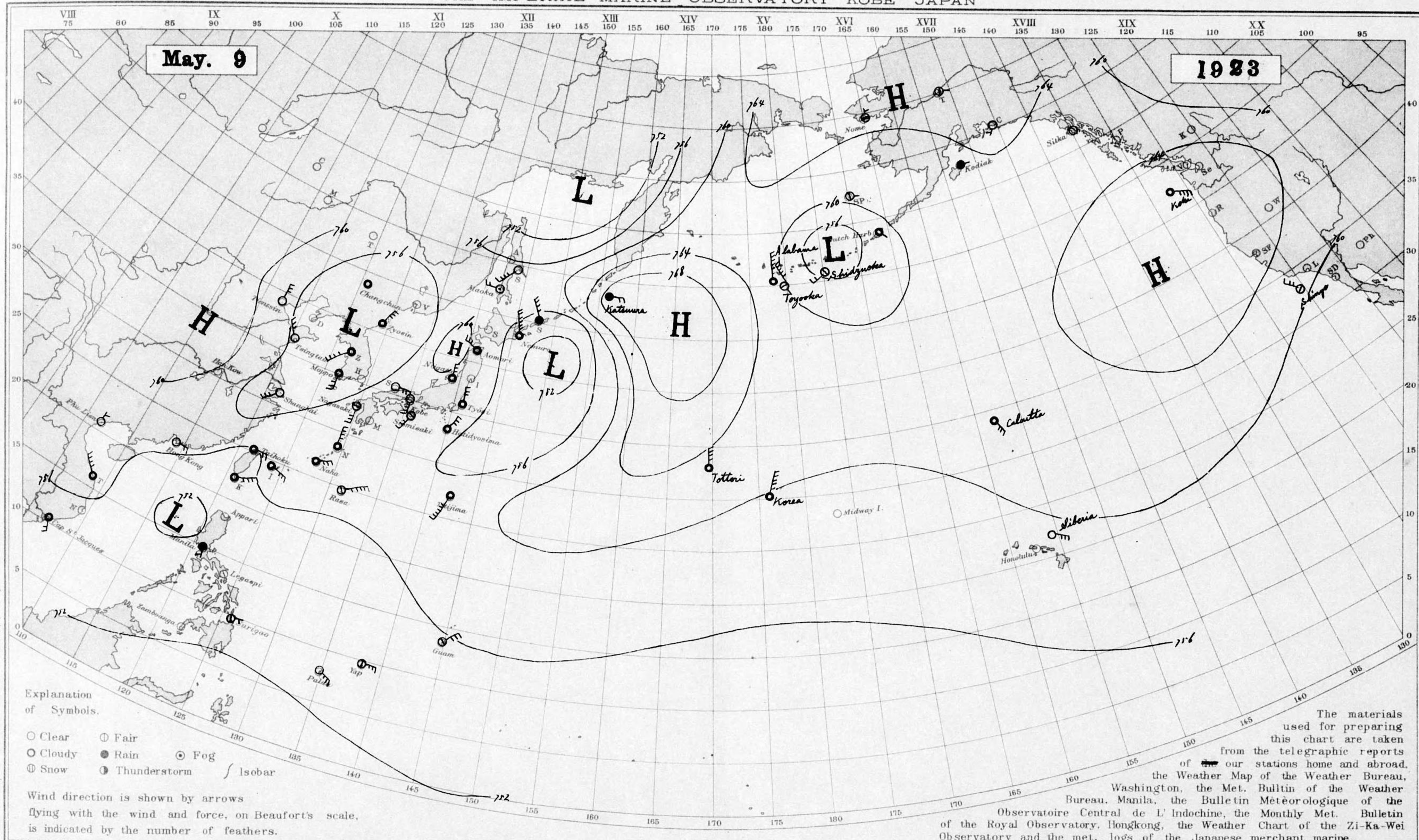
印發行人發行所  
神戶市中山手通七丁目

# DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the time of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 129



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	Kôbe	Tyosi	Haridyosima	Titizima	Niigata	Aomori	Nemuro	Maoka	Moppo	Zyosin	Changchun	Tientsin	Tsingtau
Hour of Observation	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E
Atm. Pressure (Red. to m.s.l. and Strd. Gr.)	755.9	758.0	757.4	757.5	757.9	757.3	757.0	758.5	759.3	759.7	754.6	757.6	754.4	755.6	754.3	756.3	755.6
Air Temperature (in C)	28.6	24.8	21.1	20.6	20.5	16.0	19.6	25.9	15.1	14.8	10.8	35.	19.6	11.3	15.3	-	18.0
Direction and Force of Winds (0-12)	E 2	ENE 3	S 3	SW 3	S 3	N 3	NNE 3	SSW 6	N 3	WNW 3	NNW 6	W 2	S 3	NNE 3	calm	N 3	NW 3
Weather	cloudy	cloudy	fair	fair	clear	cloudy	cloudy	cloudy	cloudy	cloudy	cloudy	fog	cloudy	cloudy	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 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	10 <sup>h</sup>	10 <sup>h</sup>	20 <sup>h</sup>	18:30 <sup>h</sup>	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W
Atm. Pressure (Red. to m.s.l. and Strd. Gr.)	753.5	-	758.0	755.5	756.5	754.5	756.0	757.8	757.3	758.1	756.0	-	-	765.5	762.0	758.8	763.0
Air Temperature (in C)	28.4	-	23.3	29.5	27.	26.	32.	-	-	29.	28.	-	-	10.	12.	6.	6.
Direction and Force of Winds (0-12)	SW 3	-	ENE 5	ESE 3	E 2	SSE 1	ENE 1	NE 3	E 3	N 1	SSE 2	-	-	N 1	calm	SE -	E -
Weather	clear	-	fair	clear	clear	rain	fair	fair	fair	clear	cloudy	-	-	snow	clear	cloudy	rain

日 九 月 五 年 二 十 正 大

圖 氣 天 洋 平 大 北

號 九 十 二 百 第

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

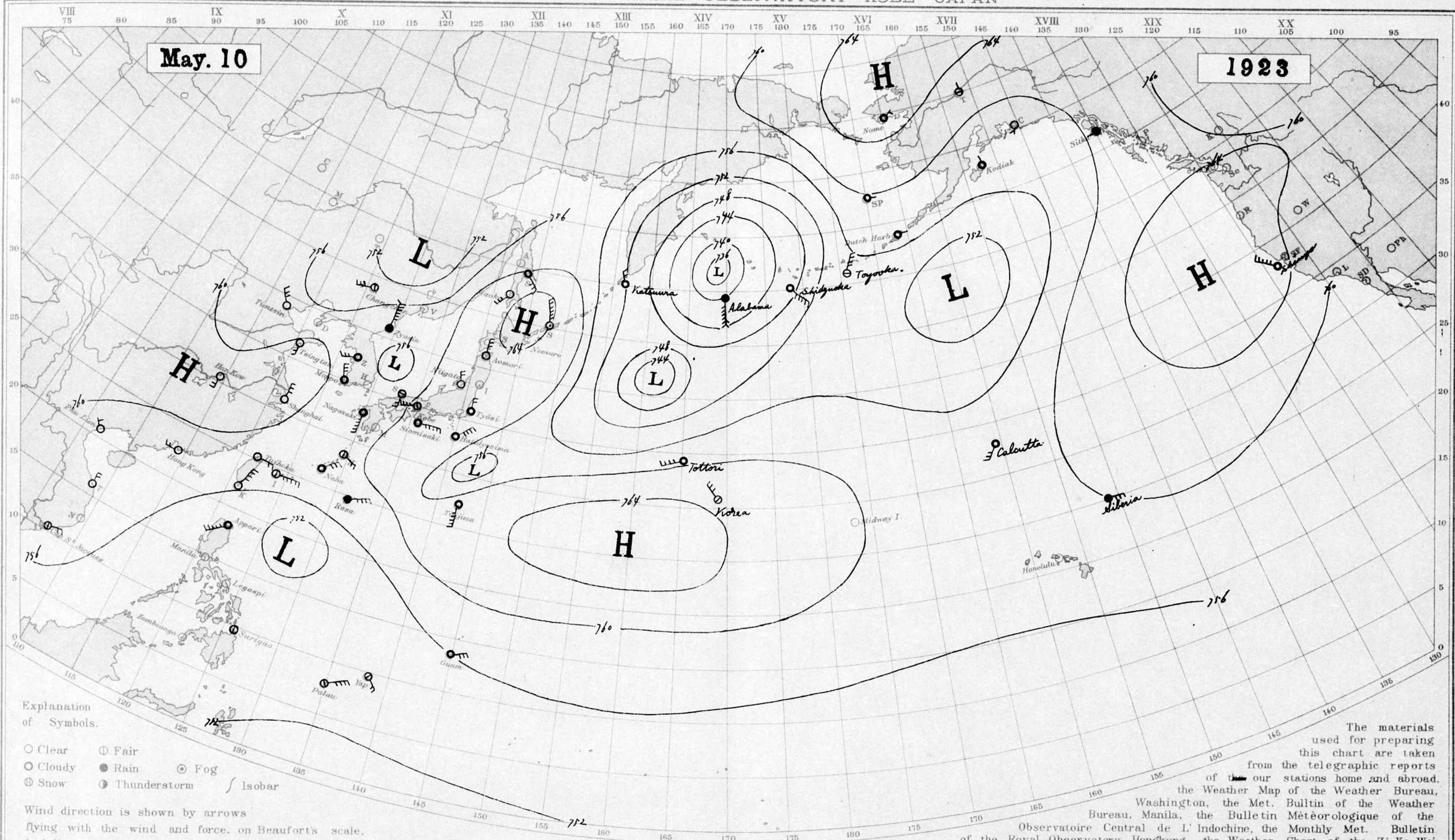
666

# DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the time of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 130



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.

印行人發行所  
神戸市中山手通七丁目

海  
洋  
氣  
象  
臺

Station	Taihoku	Naha	Nagasaki	Siomisaki	Kobe	Tyosi	Haidyosima	Titizima	Niigata	Aomori	Nemuro	Maaka	Moppo	Zyosin	Changchun	Tientsin	Tsingtau
Hour of Observation	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E
Atm. Pressure (Red. to m.s.l. and Strd. Gr.)	757.8	759.8	758.4	761.0	760.3	763.2	761.6	760.7	760.7	762.5	-	763.4	759.1	757.9	754.9	758.7	760.1
Air Temperature (in C)	29.9	26.5	20.7	21.5	23.2	16.6	20.0	25.5	22.5	14.3	-	6.5	16.5	10.4	22.0	-	19.1
Direction and Force of Winds (0-12)	E 2	NE 3	S 5	E 5	WSW 4	N 2	NE 4	S 5	NNW 2	N 3	-	SW 3	NNW 3	N 7	WSW 3	NW 3	S 2
Weather	clear	cloudy	cloudy	cloudy	fair	cloudy	cloudy	cloudy	clear	clear	-	clear	cloudy	rain	fair	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 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	10 <sup>h</sup>	10 <sup>h</sup>	20 <sup>h</sup>	18 : 30 <sup>h</sup>	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W
Atm. Pressure (Red. to m.s.l. and Strd. Gr.)	760.9	760.8	758.5	756.2	758.0	* 756.7	* 756.7	* 757.8	* 757.5	760.0	* 758.5	-	-	766.1	761.0	756.4	758.4
Air Temperature (in C)	23.8	-	22.3	30.1	30.	29.	32.	-	-	29.	29.	-	-	1.	9.	6.	6.
Direction and Force of Winds (0-12)	N 3	S 2	ENE 4	SE 3	W 2	SW 5	calm	ENE 3	SE 2	NW 1	ENE 2	-	-	NE 1	W -	E -	N -
Weather	clear	clear	rain	fair	clear	cloudy	fair	cloudy	fair	clear	fair	-	-	cloudy	rain	cloudy	cloudy

日十月五年二十正大

圖氣天洋平大北

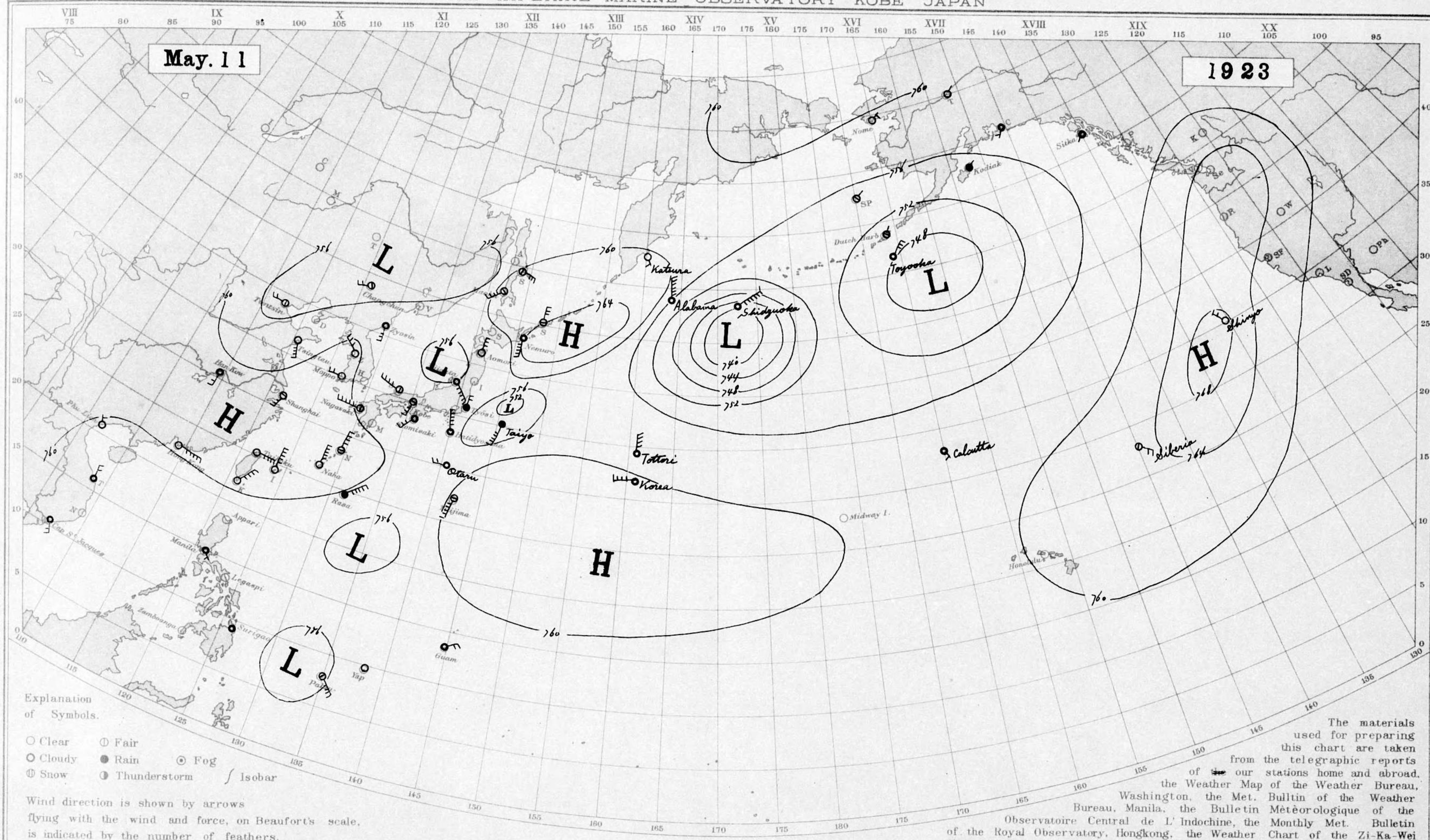
號十三第第

# DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the time of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 131



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.

海 洋 氣 象 臺

Station	Taihoku	Naha	Nagasaki	Siomisaki	Kôbe	Tyosi	Hatidyosima	Titizima	Niigata	Aomori	Nemuro	Maoka	Moppo	Zyosin	Changchun	Tientsin	Tsingtau
Hour of Observation	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E
Atm. Pressure (Red. to m.s.l. and Std. Gr.)*	761.8	760.2	759.6	757.8	757.7	757.3	757.1	760.3	755.9	757.4	764.4	761.3	760.8	759.0	755.2	754.6	757.4
Air Temperature (in C)	26.4	25.1	19.5	20.7	20.4	16.9	20.4	25.6	21.1	17.4	6.5	13.7	18.0	10.3	15.7	-	21.8
Direction and Force of Winds (0-12)	E 4	N 5	W 5	SW 3	SSW 3	N 2	NNW 5	SSW 5	SE 5	N 3	S 5	SW 4	W 2	S 3	WSW 2	W 2	SSE 4
Weather	clear	clear	fair	cloudy	fair	rain	cloudy	fair	cloudy	clear	cloudy	fair	clear	cloudy	fair	fair	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 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	10 <sup>h</sup>	10 <sup>h</sup>	20 <sup>h</sup>	18 : 30 <sup>h</sup>	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W
Atm. Pressure (Red. to m.s.l. and Std. Gr.)*	761.5	760.4	759.9	757.7	761.5	758.2	758.9	759.3	759.3	761.6	760.0	-	-	761.5	759.5	751.3	753.4
Air Temperature (in C)	26.1	-	20.3	30.3	26.	25.	24.	-	-	30.	26.	-	-	1.	11.	6.	6.
Direction and Force of Winds (0-12)	SSW 3	S 2	NE 5	SE 4	E 5	SE 1	calm	ENE 2	calm	NNW 1	SE 2	-	-	NE 1	SW -	NE -	NE -
Weather	fair	cloudy	rain	fair	clear	cloudy	cloudy	cloudy	clear	clear	cloudy	-	-	clear	cloudy	fair	rain

日一十月五年二十正大

圖氣天洋平大北

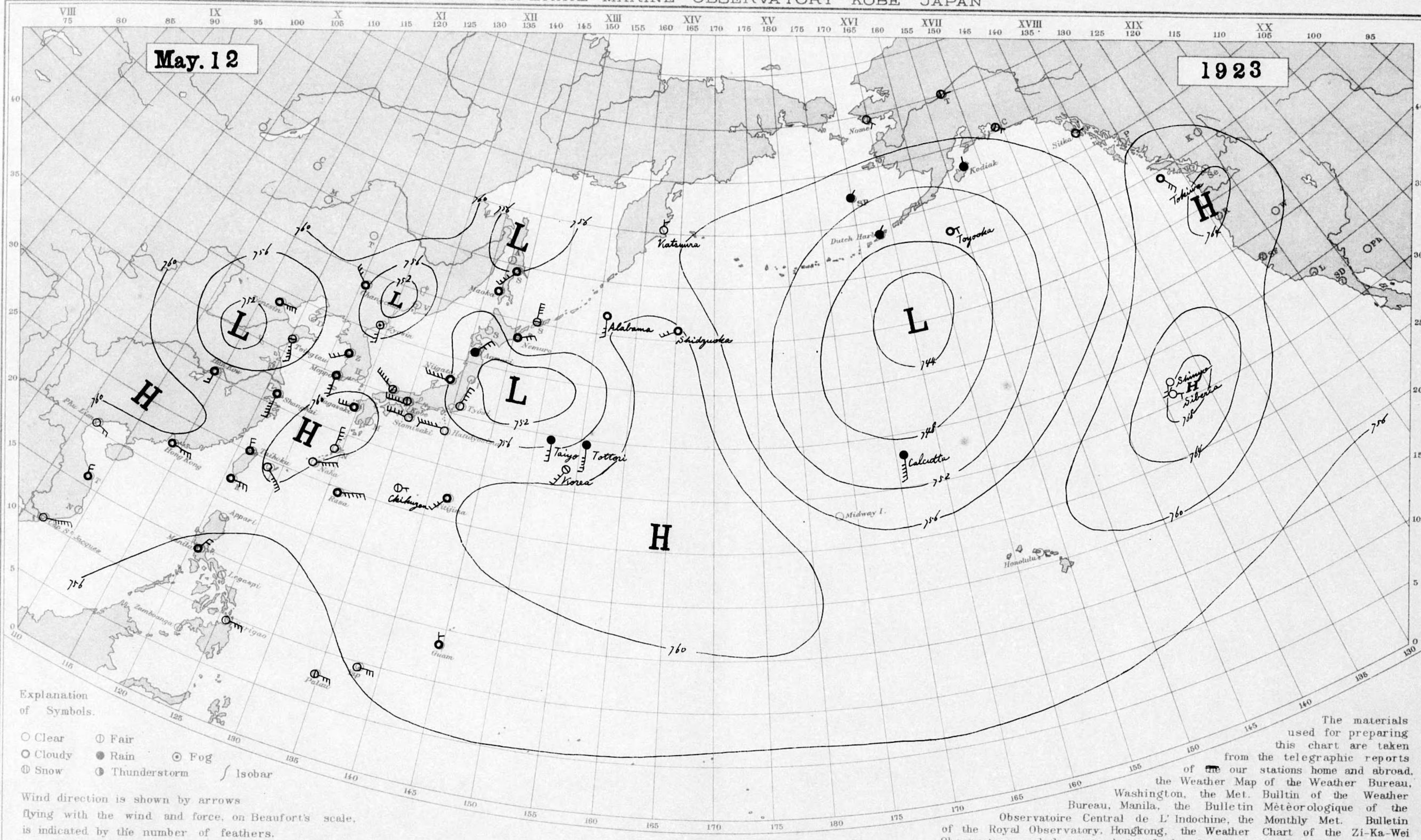
號一十三第

# DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the time of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No. 132



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.

印行人發行所  
神戸市中山手通七丁目

Station	Taihoku	Naha	Nagasaki	Siemsaki	Kôbe	Tyosi	Hatidyosima	Titizima	Niigata	Aomori	Nemuro	Maoka	Moppo	Zyosin	Changchun	Tientsin	Tsingtau
Hour of Observation	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E
Atm. Pressure (* Red. to m.s.l. and Strd. Gr. * not reduced to Strd. Gr.)	759.5	759.7	760.9	753.1	758.4	754.9	757.2	759.7	756.2	755.0	757.5	756.8	759.0	755.9	756.1	754.7	754.8
Air Temperature (in C)	28.3	25.8	21.1	20.5	19.7	15.4	20.7	25.3	15.2	11.4	9.8	9.6	22.0	11.0	13.1	-	20.1
Direction and Force of Winds (0-12)	NNW 2	ENE 4	W 3	W 5	W 5	NNE 4	W 7	SW 3	W 5	NE 3	ENE 3	calm	S 3	S 3	NW 3	E 4	SSE 5
Weather	cloudy	clear	cloudy	clear	fair	clear	clear	cloudy	cloudy	rain	cloudy	cloudy	cloudy	fog	cloudy	cloudy	fair
Station	Shanghai	Hankow	Rasa	Palau	Hongkong	Manila	Surigao	Guam	Yap	Phu-Lien	Cap-S-Jacques	Honolulu	Midway I.	Nome	Sitka	Dutch Harbor	Kodiak
Hour of Observation	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	10 <sup>h</sup>	10 <sup>h</sup>	20 <sup>h</sup>	18 : 30 <sup>h</sup>	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W
Atm. Pressure (* Red. to m.s.l. and Strd. Gr. * not reduced to Strd. Gr.)	757.8	756.2	758.4	757.1	759.5	* 757.4	* 756.8	* 756.8	* 756.4	* 761.0	* 759.8	-	-	758.9	757.4	749.8	752.8
Air Temperature (in C)	24.8	-	23.5	30.2	26.	31.	33.	-	-	27.	27.	-	-	7.	11.	7.	6.
Direction and Force of Winds (0-12)	S 5	S 2	ENE 6	E 3	E 4	NNE 2	E 3	NNW 1	E 3	ESE 2	ENE 6	-	-	SE 1	E -	NE -	N -
Weather	cloudy	cloudy	cloudy	fair	cloudy	cloudy	clear	cloudy	clear	clear	clear	-	-	clear	cloudy	rain	rain

日二十月五年二十正大

圖氣天洋平大北

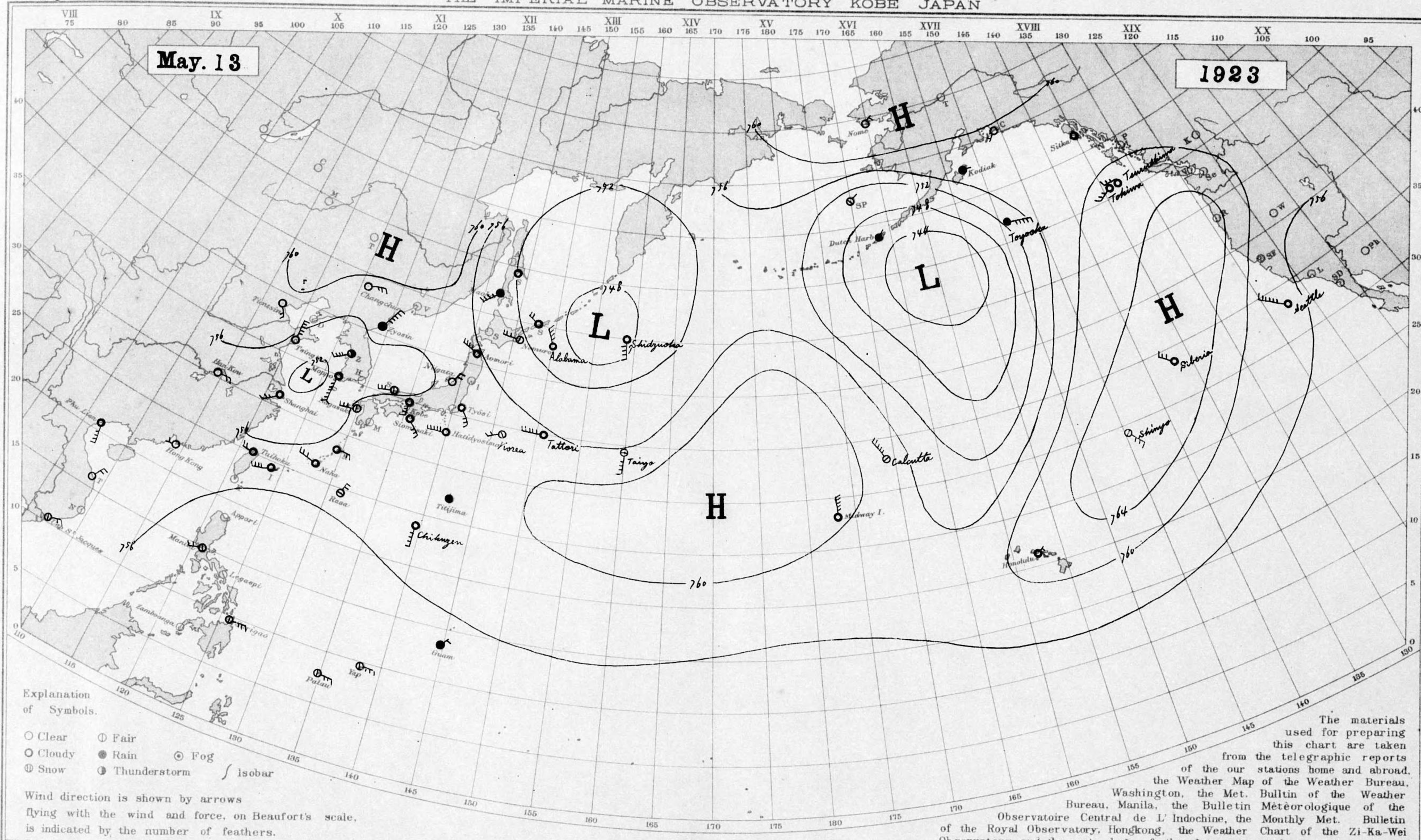
號二十三第

# DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the time of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 133



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 the 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	Kōbe	Tyosi	Hatidyosima	Titizima	Niigata	Aomori	Nemuro	Maoka	Moppo	Zyosin	Changchun	Tientsin	Tsingtau
Hour of Observation	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E
Atm. Pressure (Red. to m.s.l. and Srd. Gr.)	756.7	757.0	756.2	757.3	756.7	757.3	757.4	757.5	757.4	756.6	752.1	753.0	753.1	758.0	758.9	759.8	755.8
Air Temperature (in C)	25.7	25.0	23.9	22.1	23.8	20.6	22.8	23.5	19.7	15.6	14.3	7.0	16.4	13.4	21.1	-	19.2
Direction and Force of Winds (0-12)	W 2	WNW 3	W 3	SE 3	S 3	SE 3	W 5	calm	NE 2	WNW 4	WNW 3	SW 4	S 7	NNE 5	ENE 3	SE 2	N 5
Weather	cloudy	cloudy	fair	cloudy	cloudy	cloudy	cloudy	rain	clear	cloudy	fair	rain	cloudy	rain	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 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	10 <sup>h</sup>	10 <sup>h</sup>	20 <sup>h</sup>	18 : 30 <sup>h</sup>	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W
Atm. Pressure (Red. to m.s.l. and Srd. Gr.)	754.1	755.7	756.2	755.1	756.5	756.4	* 755.6	* 756.9	756.2	* 758.4	* 759.2	762.0	760.5	761.0	758.9	744.2	759.5
Air Temperature (in C)	21.5	-	26.6	30.5	28.	32.	* 33.	-	-	26.	28.	24.	19.	7.	8.	3.	6.
Direction and Force of Winds (0-12)	SW 3	E 2	NNE 2	E 3	W 1	WSW 2	E 3	NE 1	E 3	SSE 4	ENE 2	NE 1	N 5	NE 1	calm	NE -	E -
Weather	cloudy	clear	fair	fair	clear	fair	fair	rain	fair	cloudy	fair	cloudy	cloudy	clear	cloudy	rain	rain

日三十月五年二十正大

圖氣天洋平大北

號五十三百第

印行人販發行所  
神戶市中山手通七丁目

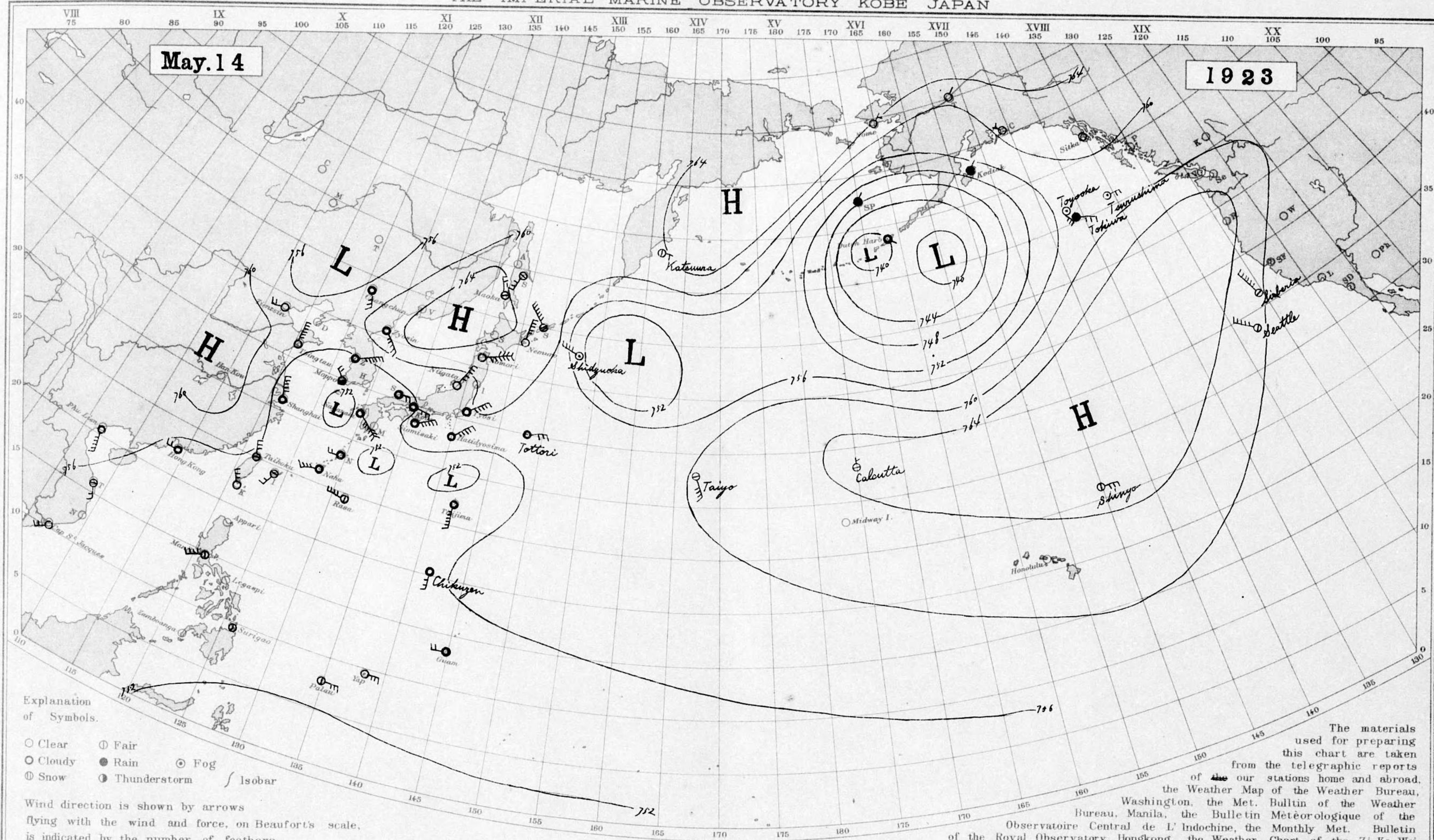
海  
洋  
氣  
象  
臺

# DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the time of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 134



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	Siomiasaki	Kobe	Tyosi	Hatidyosima	Tilizima	Niigata	Aomori	Nemuro	Maoka	Moppo	Zyosin	Changchun	Tientsin	Tsingtau
Hour of Observation	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E
Atm. Pressure (Red. to m.s.l. and Strd. Gr.)	755.6	753.4	752.7	756.3	755.9	759.5	756.9	753.8	757.9	762.5	763.5	764.1	752.7	762.3	756.5	758.0	756.4
Air Temperature (in C)	27.4	25.6	16.5	23.0	26.1	18.2	20.2	25.2	19.0	16.8	7.3	8.9	14.6	16.5	25.3	-	20.8
Direction and Force of Winds (0-12)	NNW 3	WSW 4	SE 9	ENE 5	ESE 3	NE 5	NE 5	S 6	NNE 5	ENE 10	NNE 5	NNW 2	NW 2	SE 5	SSE 3	W 2	N 6
Weather	fair	cloudy	cloudy	cloudy	cloudy	cloudy	cloudy	cloudy	clear	clear	clear	fair	th.s.	cloudy	cloudy	clear	clear
Station	Shanghai	Hankow	Rasa	Palau	Hongkong	Manila	Surigao	Guam	Yap	Phu-Lien	Cap-S-Jacques	Honolulu	Midway I.	Nome	Sitka	Dutch Harbor	Kodiak
Hour of Observation	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	10 <sup>h</sup>	10 <sup>h</sup>	20 <sup>h</sup>	18 : 30 <sup>h</sup>	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W
Atm. Pressure (Red. to m.s.l. and Strd. Gr.)	755.5	-	755.2	754.8	755.3	*755.3	*755.4	*756.5	*756.6	*755.2	*758.3	-	-	764.0	762.5	740.1	755.9
Air Temperature (in C)	20.8	-	23.5	29.9	30.	32.	32.	-	-	27.	28.	-	-	4.	8.	6.	6.
Direction and Force of Winds (0-12)	NNW 5	-	W 4	E 3	W 2	WSW 4	calm	W 2	E 3	SSE 5	SW 2	-	-	NE 1	calm	SE -	NE -
Weather	cloudy	-	fair	fair	cloudy	fair	fair	cloudy	clear	cloudy	clear	-	-	clear	clear	cloudy	rain

日四月五年二十正大

圖氣天洋平大北

號四十三百第

海 象 台

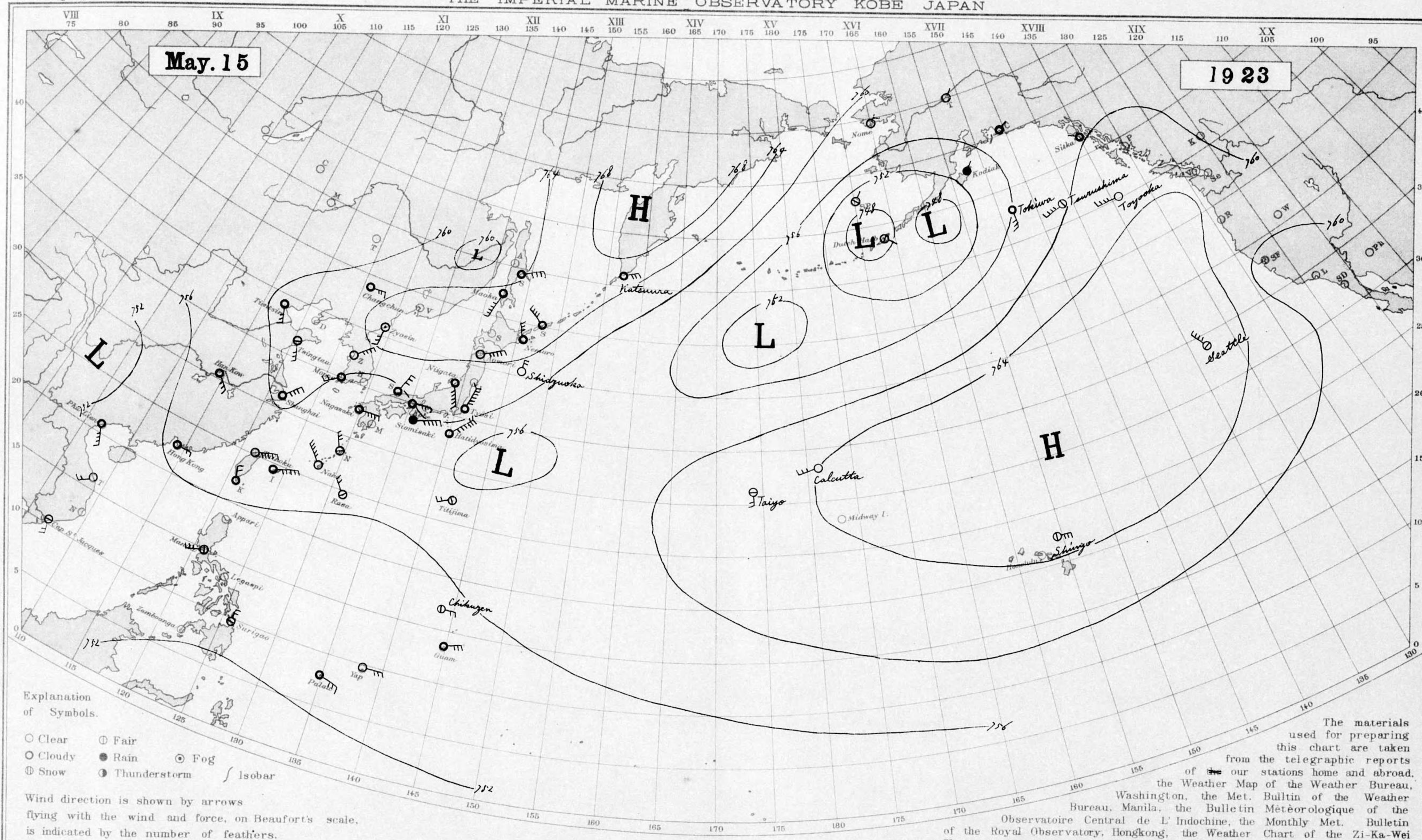


# DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the time of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 135



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

**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.

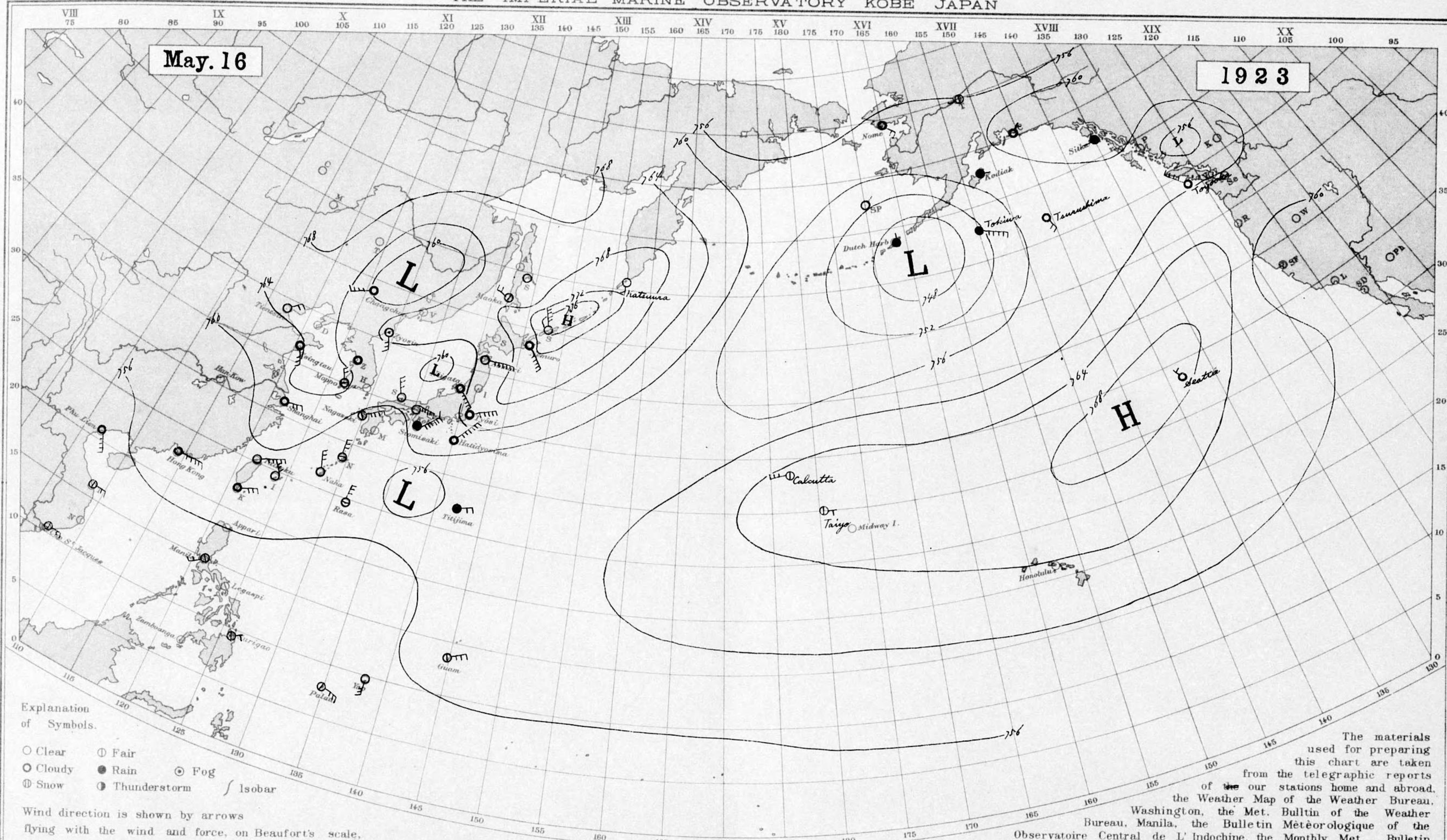
The materials used for preparing this chart are taken from the telegraphic reports of our stations home and abroad, the Weather Map of the Weather Bureau, Washington, the Met. Bulletin of the Weather Bureau, Manila, the Bulletin Météorologique of the Observatoire Central de L'Indochine, the Monthly Met. 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	Siomisaki	Kobe	Tyosi	Hatidyosima	Titizima	Niigata	Aomori	Nemuro	Maoka	Moppo	Zyosin	Changchun	Tientsin	Tsingtau
Hour of Observation	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E
Atm. Pressure (Red. to m.s.l. and Strd. Gr.)*	757.4	756.8	757.4	759.9	760.5	761.8	757.7	766.6	760.7	764.6	766.9	766.3	759.5	766.4	762.0	762.2	761.0
Air Temperature (in C)	28.4	23.6	21.5	19.5	23.7	14.8	18.6	26.5	24.2	16.3	9.7	12.0	21.6	9.0	15.7	-	19.9
Direction and Force of Winds (0-12)	ENE 5	NW 5	E 4	ENE 5	E 3	NNE 7	NE 8	WSW 2	SSE 5	ENE 5	NNW 3	SSW 5	SW 2	S 3	E 3	SSE 3	SSE 3
Weather	clear	clear	cloudy	rain	cloudy	cloudy	cloudy	fair	cloudy	clear	cloudy	cloudy	cloudy	fog	cloudy	cloudy	fair
Station	Shanghai	Hankow	Rasa	Palau	Hongkong	Manila	Surigao	Guam	Yap	Phu-Lien	Cap-S-Jacques	Honolulu	Midway I.	Nome	Sitka	Dutch Harbor	Kodiak
Hour of Observation	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	10 <sup>h</sup>	10 <sup>h</sup>	20 <sup>h</sup>	18 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W
Atm. Pressure (Red. to m.s.l. and Strd. Gr.)*	760.3	768.8	757.0	755.5	756.5	* 756.2	* 755.5	* 757.0	* 757.0	* 754.9	* 758.2	-	-	757.9	760.0	747.3	754.4
Air Temperature (in C)	20.4	-	24.3	30.	29.	27.	32.	-	-	30.	28.	-	-	8.	12.	7.	6.
Direction and Force of Winds (0-12)	NE 4	SE 3	NW 2	ESE 3	E 2	WSW 3	N 2	ENE 3	E 3	SSE 4	SSE 2	-	-	NE 1	NW -	SE -	NE -
Weather	cloudy	cloudy	fair	cloudy	cloudy	fair	fair	cloudy	clear	cloudy	fair	-	-	clear	cloudy	fair	rain

# DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the time of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN



印  
刷  
行  
人  
販  
賣  
所  
  
神  
戶  
市  
中  
山  
手  
通  
七  
丁  
目

Explanation of Symbols.

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

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

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

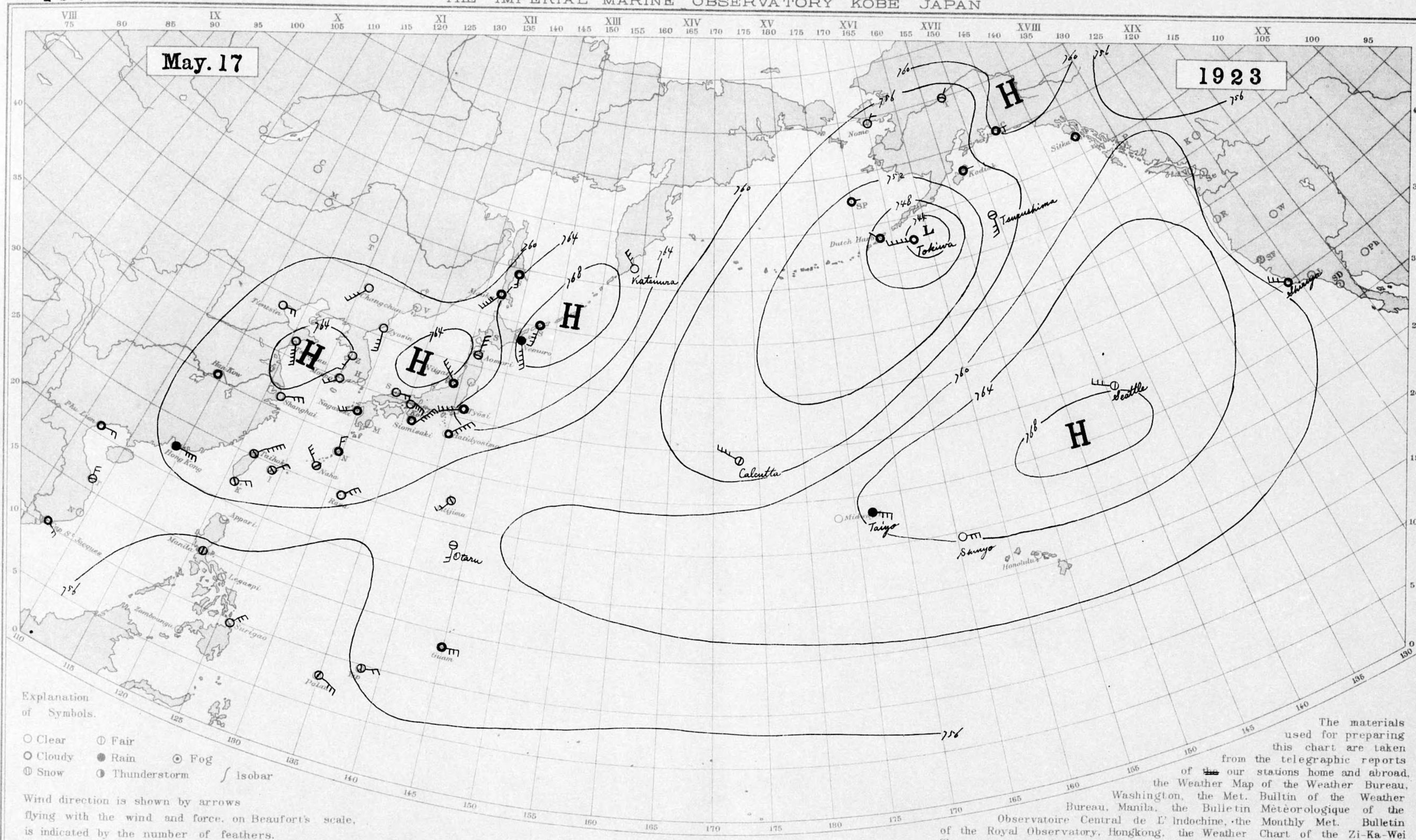
Station	Taihoku	Naha	Nagasaki	Siomisaki	Kobe	Tyosi	Haidyosima	Titizima	Niigata	Aomori	Nemuro	Maoka	Moppo	Zyosin	Changchun	Tientsin	Tsingtau
Hour of Observation	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E
Atm. Pressure (Red. to m.s.l. and Strd. Gr.)	760.1	758.7	759.6	761.1	762.1	765.7	760.1	758.7	762.5	765.3	771.0	767.0	762.0	763.2	759.9	765.5	763.7
Air Temperature (in C)	25.6	23.0	23.6	16.9	24.0	15.8	18.9	19.5	21.5	18.9	3.4	13.5	18.9	6.1	14.7	-	17.1
Direction and Force of Winds (0-12)	ENE 5	NNW 3	ENE 4	NE 7	ESE 5	ENE 5	NE 6	ENE 2	SE 5	E 6	SE 5	WNW 2	NNW 2	SSE 3	WSW 4	NE 2	SSE 3
Weather	clear	clear	fair	rain	clear	cloudy	cloudy	rain	cloudy	clear	cloudy	fair	cloudy	fog	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 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	10 <sup>h</sup>	10 <sup>h</sup>	20 <sup>h</sup>	18 : 30 <sup>h</sup>	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W
Atm. Pressure (Red. to m.s.l. and Strd. Gr.)	762.8	-	758.5	756.4	758.9	* 757.0	* 757.2	* 758.1	* 757.6	* 756.5	* 758.6	-	-	758.4	763.0	746.2	757.9
Air Temperature (in C)	20.9	-	24.3	30.3	25.	31.	33.	-	-	28.	30.	-	-	6.	7.	4.	6.
Direction and Force of Winds (0-12)	ENE 3	-	N 3	ESE 3	E 5	SW 2	ENE 1	ENE 3	S 3	SE 4	E 2	-	-	SE 1	W -	N -	E -
Weather	cloudy	-	fair	fair	cloudy	fair	fair	fair	clear	cloudy	fair	-	-	cloudy	rain	rain	rain

# DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the time of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 137



May. 17

1923

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	Titizima	Niigata	Aomori	Nemuro	Maoka	Moppo	Zyosin	Changchun	Tientsin	Tsingtau
Hour of Observation	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E
Atm. Pressure (Red. to m.s.l. and Strd. Gr.)	761.0	760.9	762.9	763.0	763.0	764.8	762.9	759.3	763.8	763.9	768.4	763.4	762.8	764.6	760.9	762.4	764.6
Air Temperature (in C)	26.5	25.9	24.3	21.6	24.4	17.2	18.7	26.7	20.7	14.6	4.9	10.0	23.6	11.9	17.3	-	17.2
Direction and Force of Winds (0-12)	NE 5	NW 3	WSW 3	NE 6	SE 4	WSW 4	NE 5	SW 2	NW 4	N 3	SSE 5	SW 5	SW 2	S 4	SW 4	E 2	SSE 5
Weather	fair	fair	cloudy	cloudy	clear	cloudy	cloudy	fair	cloudy	fair	rain	cloudy	clear	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 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	10 <sup>h</sup>	10 <sup>h</sup>	20 <sup>h</sup>	18 : 30 <sup>h</sup>	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W
Atm. Pressure (Red. to m.s.l. and Strd. Gr.)	763.8	762.4	760.8	756.4	760.7	* 757.6	* 757.9	* 758.5	* 758.3	* 759.9	* 759.8	-	-	755.4	761.5	746.8	753.4
Air Temperature (in C)	21.	-	25.8	29.9	24.	33.	29.	-	-	24.	29.	-	-	4.	7.	4.	6.
Direction and Force of Winds (0-12)	ENE 3	calm	NE 3	ESE 3	E 4	calm	NE 3	E 3	ENE 2	ENE 2	ESE 2	-	-	NE 1	calm	NW -	E -
Weather	clear	cloudy	clear	fair	rain	fair	fair	cloudy	fair	cloudy	cloudy	-	-	clear	cloudy	cloudy	cloudy

日七十月五年二十正大

圖氣天洋平大北

號七十三百第

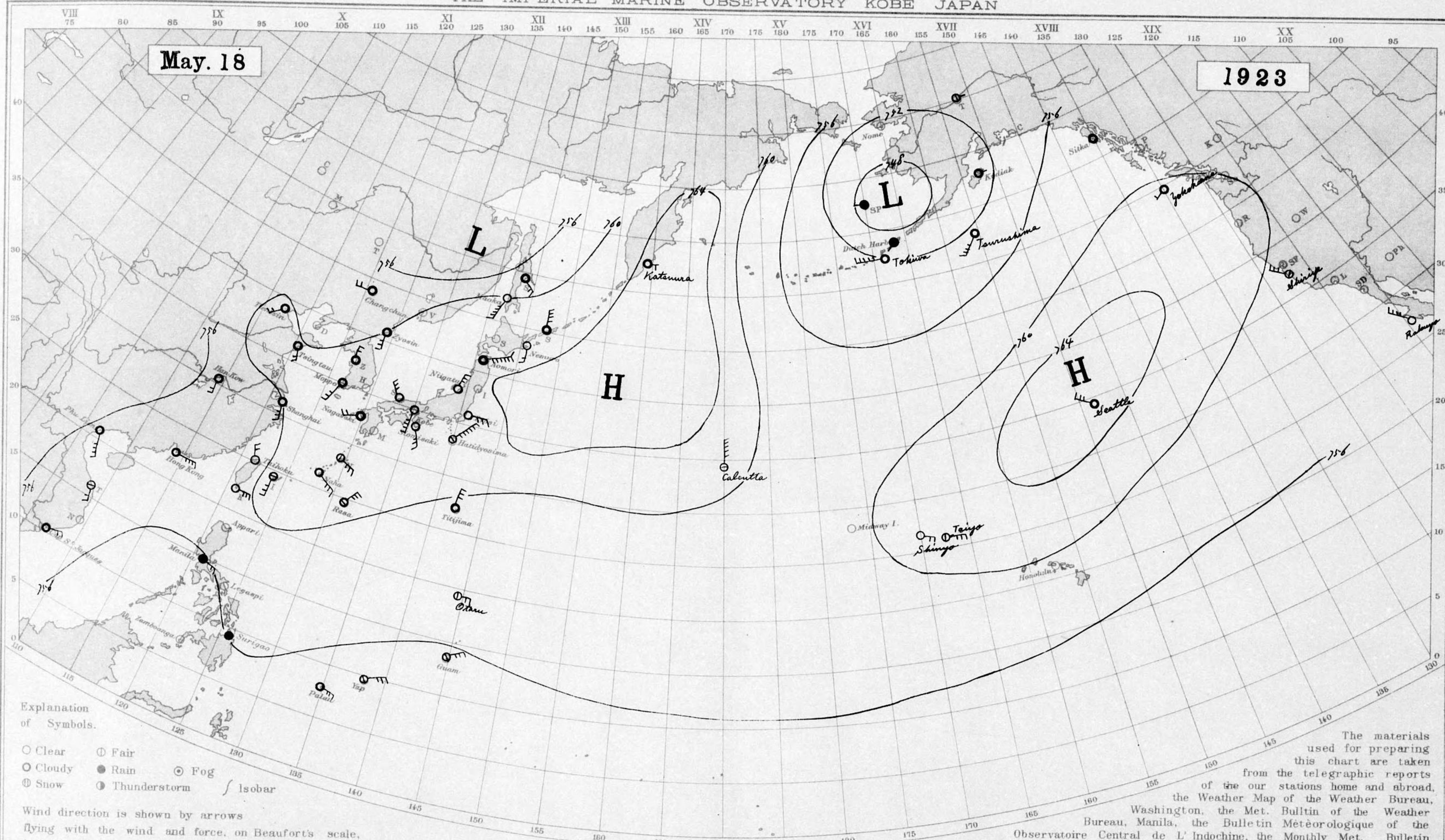
發行所  
 海軍省  
 印刷所  
 海軍省  
 印刷所  
 海軍省  
 印刷所

# DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the time of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No. 138



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 the 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	Sjomi saki	Kôbe	Tyosi	Hatjdyosima	Titizima	Niigata	Aomori	Nemuro	Maoka	Moppo	Zyosin	Changchun	Tientsia	Tsingtau
Hour of Observation	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E
Atm. Pressure (Red to m.s.l. and Strd. Gr. * not reduced to Strd. Gr.)	759.0	760.5	762.4	763.2	762.7	763.6	763.2	759.3	763.8	763.4	762.1	760.0	761.2	759.9	757.9	759.0	760.7
Air Temperature (in C)	29.5	27.2	24.1	22.9	25.4	19.8	20.6	25.0	19.1	15.0	16.6	9.1	23.9	13.5	18.3	-	19.5
Direction and Force of Winds (0-12)	NW 2	ESE 3	WSW 2	ESE 4	S 4	E 3	NE 6	NNE 3	NNE 3	ENE 7	S 2	SSW 5	SSW 3	S 3	W 2	SW 2	SSE 2
Weather	clear	cloudy	cloudy	clear	clear	clear	fair	cloudy	clear	cloudy	clear	clear	cloudy	cloudy	cloudy	cloudy	cloudy
Station	Shanghai	Hankow	Rasa	Palau	Hongkong	Manila	Surigao	Guam	Yap	Phu-Lien	Cap-S-Jacques	Honolulu	Midway I.	Nome	Sitka	Dutch Harbor	Kodiak
Hour of Observation	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	10 <sup>h</sup>	10 <sup>h</sup>	20 <sup>h</sup>	18 : 30 <sup>h</sup>	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W
Atm. Pressure (Red to m.s.l. and Strd. Gr. * not reduced to Strd. Gr.)	759.4	758.8	760.2	755.1	759.5	757.7	757.5	757.2	756.4	758.5	759.6	-	-	-	757.4	748.8	751.8
Air Temperature (in C)	23.4	-	26.3	30.4	25.	25.	29.	-	-	28.	28.	-	-	-	8.	6.	6.
Direction and Force of Winds (0-12)	SSE 3	S 2	NE 3	ESE 3	E 4	ESE 2	calm	ENE 3	ENE 3	SSE 4	ENE 2	-	-	-	calm	SW -	E -
Weather	cloudy	cloudy	fair	cloudy	cloudy	rain	rain	fair	fair	cloudy	cloudy	-	-	-	cloudy	rain	cloudy

日八十月五年二十正大

圖氣天洋平大北

號八十三百第

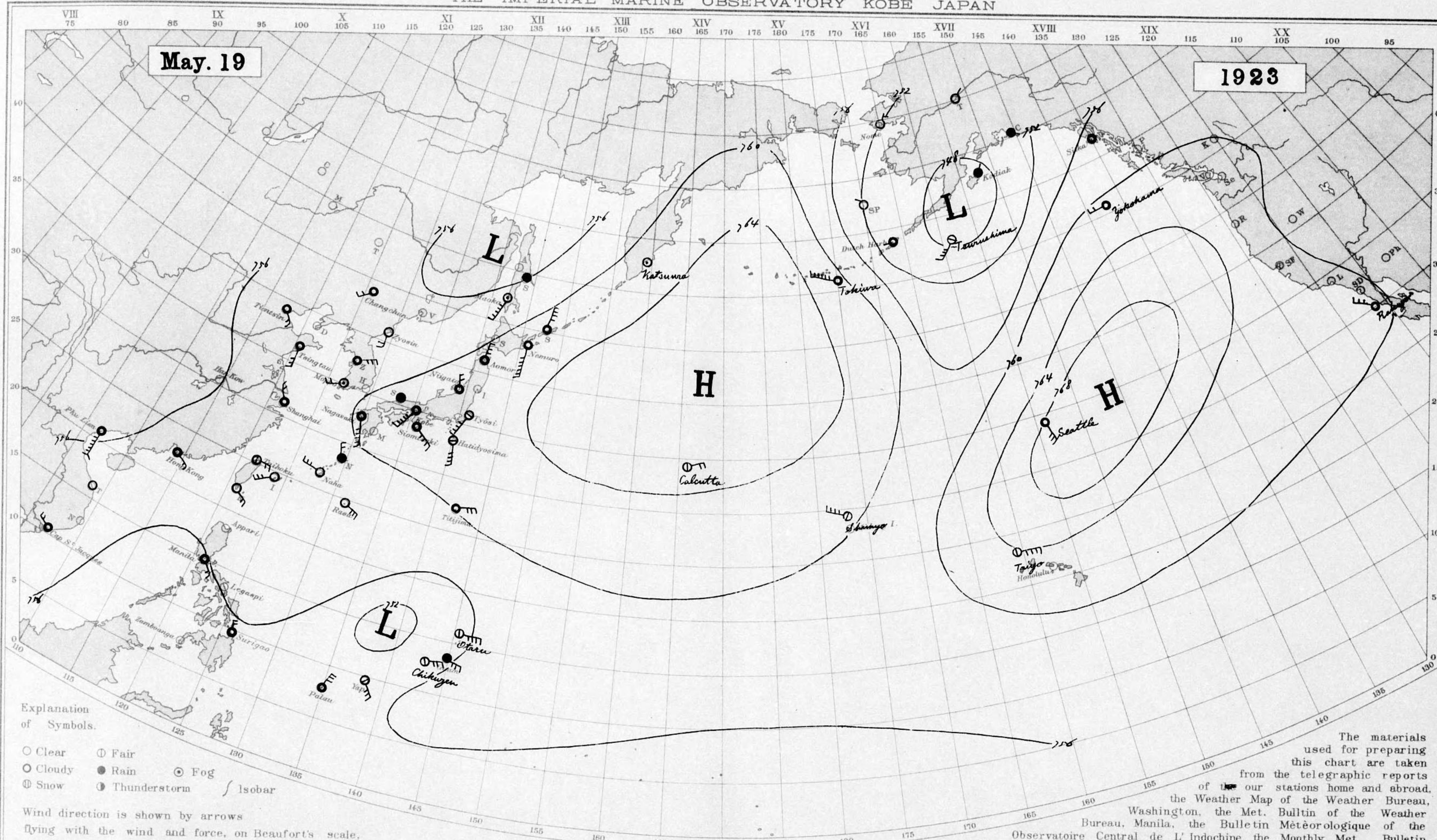
印行人發行所  
 神戶市中山手通七丁目

# DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the time of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 139



May. 19

1923

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.

洋氣象

量

Station	Taihoku	Naha	Nagasaki	Siomisaki	Kobe	Tyosi	Hatidyosima	Titizima	Niigata	Aomori	Nemuro	Maoka	Moppo	Zyosin	Changchun	Tientsin	Tsingtau
Hour of Observation	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E
Atm. Pressure (Red. to m.s.l. and Strd. Gr.)*	758.7	759.6	760.0	762.5	762.2	762.3	762.9	760.1	761.2	760.9	760.2	757.8	757.6	760.8	759.1	759.3	759.0
Air Temperature (in C)	30.0	27.5	22.1	22.9	22.0	22.3	22.6	25.6	22.8	15.5	11.8	7.0	17.6	13.0	17.4	-	18.4
Direction and Force of Winds (0-12)	E 2	WNW 3	SSE 5	SE 4	SW 5	SSW 4	SSE 4	ENE 3	NNW 2	N 3	S 6	SSW 5	WSW 2	S 2	SW 2	SE 2	S 3
Weather	fair	clear	cloudy	cloudy	cloudy	fair	fair	cloudy	cloudy	cloudy	cloudy	fog	fog	clear	cloudy	cloudy	cloudy
Station	Shanghai	Hankow	Rasa	Palau	Hongkong	Manila	Surigao	Guam	Yap	Phu-Lien	Cap-S-Jacques	Honolulu	Midway I.	Nome	Sitka	Dutch Harbor	Kodiak
Hour of Observation	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	10 <sup>h</sup>	10 <sup>h</sup>	20 <sup>h</sup>	18:30 <sup>h</sup>	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W
Atm. Pressure (Red. to m.s.l. and Strd. Gr.)*	757.0	-	759.8	755.5	758.5	757.6	757.1	757.7	757.7	757.4	760.6	-	-	753.4	757.9	751.8	746.8
Air Temperature (in C)	25.4	-	27.	26.	28.	32.	28.	-	-	29.	24.	-	-	11.	9.	4.	6.
Direction and Force of Winds (0-12)	NW 2	-	ESE 3	NNE 3	ESE 2	SE 2	NNW 2	ESE 3	SE 3	S 7	WNW 2	-	-	NE 1	calm	W	NE
Weather	cloudy	-	clear	cloudy	cloudy	cloudy	cloudy	rain	fair	cloudy	cloudy	-	-	clear	cloudy	cloudy	rain

日九十月五年二十正六

圖氣天洋平大北

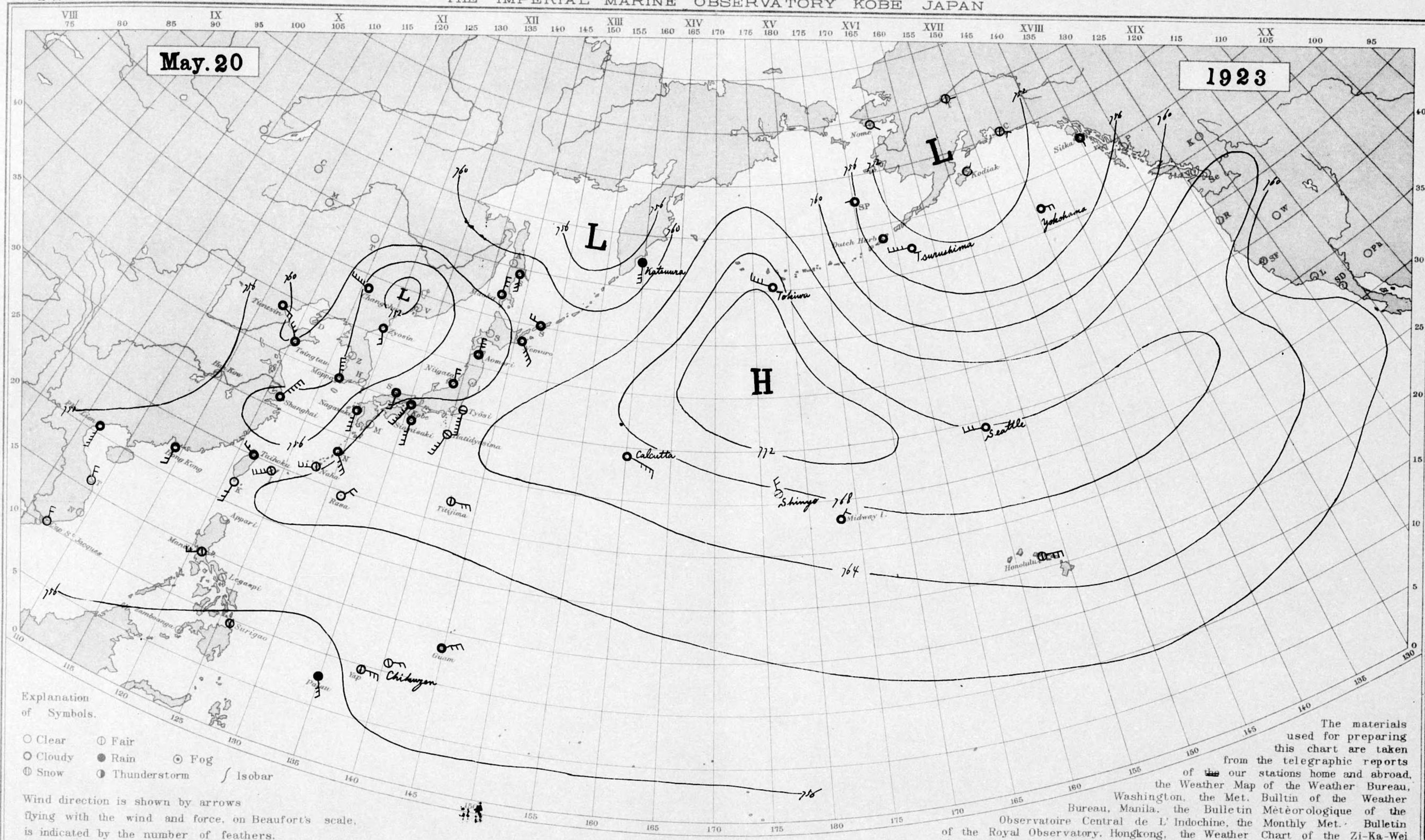
號九十三百第

# DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the time of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No. 140



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

Explanation of Symbols.

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

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

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

Station	Taihoku	Naha	Nagasaki	Siomisaki	Kobe	Tyosi	Hatidyosima	Titizima	Niigata	Aomori	Nemuro	Maoka	Moppo	Zyosin	Changchun	Tientsin	Tsingtau
Hour of Observation	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E
Atm. Pressure (Red. to m.s.l. and Strd. Gr.)*	758.8	759.8	758.8	761.6	760.5	761.4	762.9	761.5	757.4	759.0	761.2	760.6	755.7	753.9	755.7	759.1	759.6
Air Temperature (in C)	29.3	29.6	21.7	23.1	22.8	23.2	21.9	26.7	24.1	17.1	9.6	6.8	18.5	14.2	16.4	-	21.0
Direction and Force of Winds (0-12)	WNW 2	WSW 3	S 4	S 4	SSW 6	S 6	SSW 4	E 3	N 2	N 3	SE 4	N 3	NNW 4	SSE 2	WNW 5	ESE 2	NW 3
Weather	cloudy	fair	cloudy	cloudy	cloudy	fair	fair	fair	cloudy	cloudy	cloudy	cloudy	cloudy	cloudy	cloudy	cloudy	cloudy
Station	Shanghai	Hankow	Rasa	Palau	Hongkong	Manila	Surigao	Guam	Yap	Phu-Lien	Cap-S-Jacques	Honolulu	Midway I.	Nome	Sitka	Dutch Harbor	Kodiak
Hour of Observation	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	10 <sup>h</sup>	10 <sup>h</sup>	20 <sup>h</sup>	18 : 30 <sup>h</sup>	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W
Atm. Pressure (Red. to m.s.l. and Strd. Gr.)*	754.8	-	760.4	756.8	758.9	* 758.1	* 757.8	* 758.8	* 758.4	* 758.3	* 760.2	766.1	765.5	751.9	754.4	755.4	749.3
Air Temperature (in C)	23.	-	28.	24.3	30.	31.	30.	-	-	30.	29.	24.	21.	4.	7.	6.	6.
Direction and Force of Winds (0-12)	NNE 5	-	NE 2	SSE 3	S 2	WSW 2	calm	ENE 3	E 3	S 5	NNW 2	E 3	NE 1	SE -	S -	NW -	NE -
Weather	cloudy	-	clear	rain	cloudy	fair	fair	cloudy	fair	cloudy	clear	fair	cloudy	clear	cloudy	cloudy	clear

日十月五年二十正大

圖氣天洋平大北

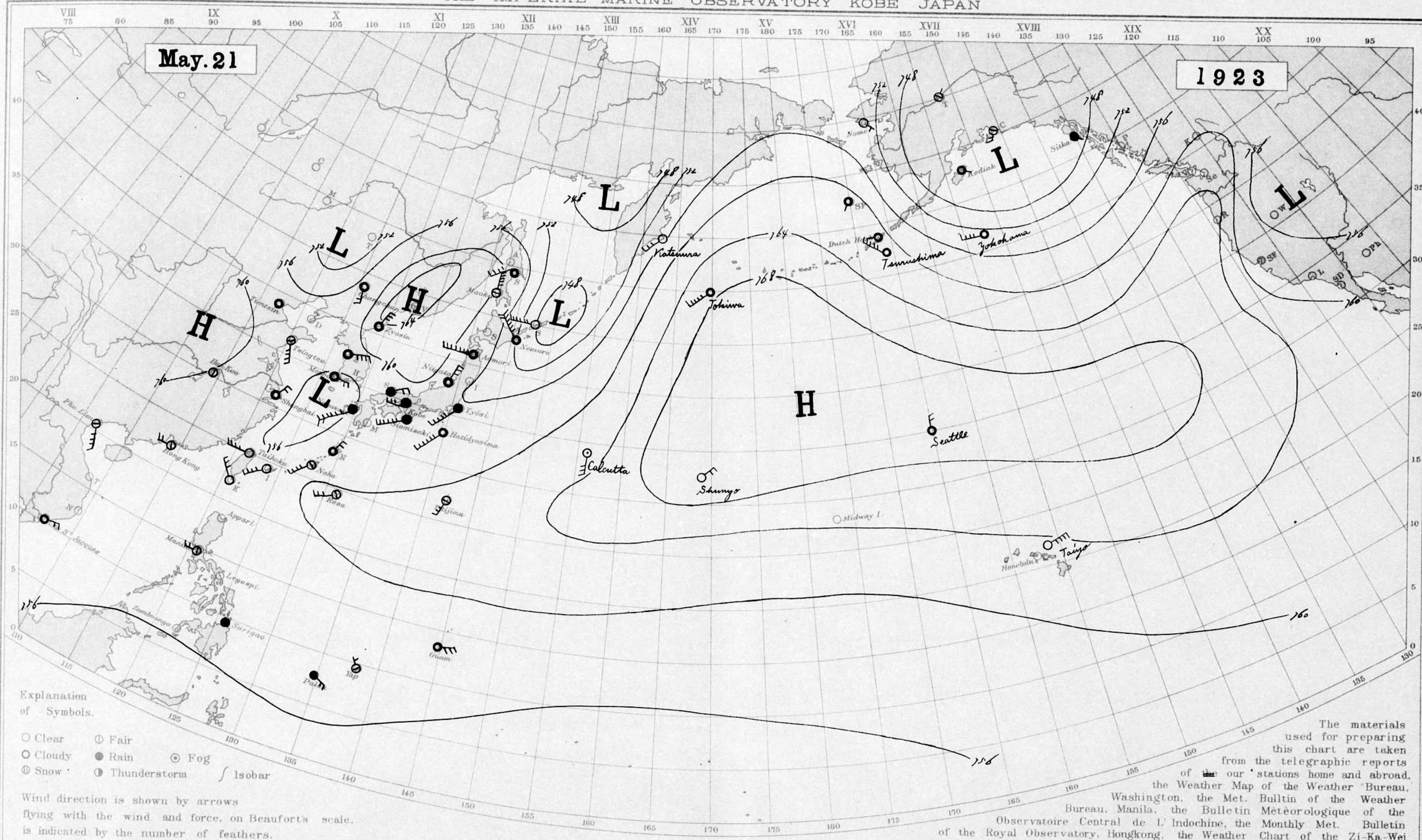
號十四百第

# DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the time of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No. 141



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	Siomisaki	Kôbe	Tyosi	Hatidyosima	Titizima	Niigata	Aomori	Nemuro	Maoka	Moppo	Zyosin	Changchun	Tientsin	Tsingtau
Hour of Observation	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E
Atm. Pressure (Red. to m.s.l. and Strd. Gr.)*	758.3	759.4	756.4	757.7	757.3	756.9	759.1	760.5	759.5	758.4	752.3	759.5	755.7	763.3	757.9	759.4	757.8
Air Temperature (in C)	31.9	29.4	22.1	22.0	20.4	19.3	22.2	25.9	15.5	13.2	8.7	6.8	22.6	13.6	20.3	-	8.8
Direction and Force of Winds (0-12)	W 4	SW 4	SW 8	WSW 6	W 3	SW 5	SW 6	SSW 3	NNE 3	W 6	NW 8	N 6	E 2	NNE 3	S 2	calm	SSE 4
Weather	clear	fair	rain	rain	rain	rain	cloudy	fair	cloudy	cloudy	cloudy	fair	cloudy	cloudy	cloudy	cloudy	fair
Station	Shanghai	Hankow	Rasa	Palau	Hongkong	Manila	Surigao	Guam	Yap	Phu-Lien	Cap-S-Jacques	Honolulu	Midway I.	Nome	Sitka	Dutch Harbor	Kodiak
Hour of Observation	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	10 <sup>h</sup>	10 <sup>h</sup>	20 <sup>h</sup>	18 : 30 <sup>h</sup>	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W
Atm. Pressure (Red. to m.s.l. and Strd. Gr.)*	758.5	759.6	760.5	758.1	758.0	759.2	758.1	759.3	758.1	759.5	760.9	-	-	752.8	745.2	761.5	747.8
Air Temperature (in C)	19.3	-	26.8	27.	32.	30.	25.	-	-	31.	26.	-	-	4.	9.	6.	6.
Direction and Force of Winds (0-12)	NNE 2	calm	WSW 3	ESE 2	W 2	W 2	calm	E 3	NW 1	SSE 4	ENE 2	-	-	SE 1	SE -	W -	SE -
Weather	cloudy	fair	fair	rain	fair	clear	rain	cloudy	fair	fair	cloudy	-	-	clear	rain	cloudy	cloudy

日十月五年十正大

圖氣天洋平大北

號-十-四-百-第

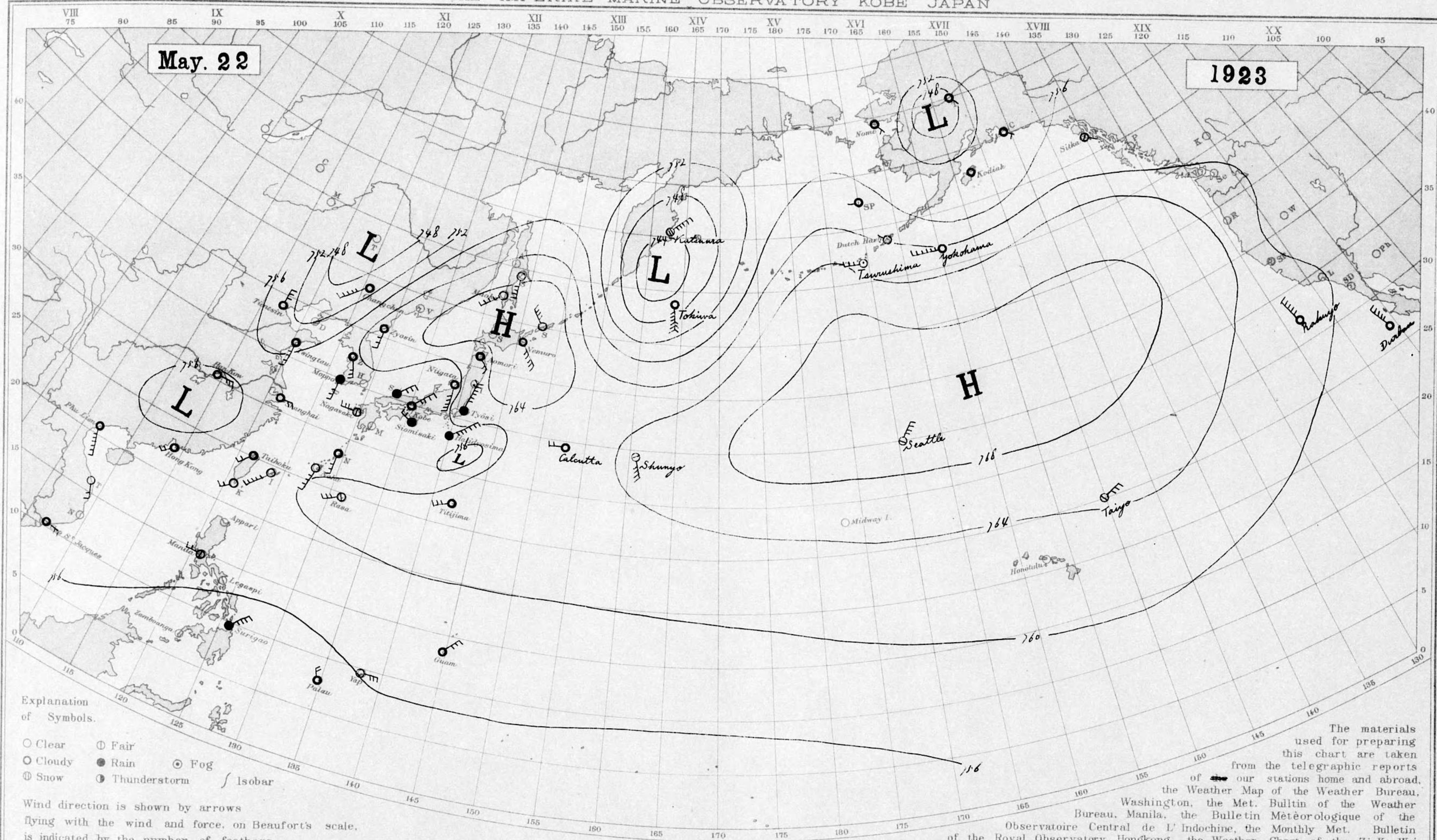
印發行人販賣所 神戶市中山手通七丁目

# DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the time of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 142



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	Haridyosima	Titizima	Niigata	Aomori	Nemuro	Maoka	Moppo	Zyosin	Changchun	Tientsin	Tsingtau
Hour of Observation	12 <sup>h</sup> , 135 <sup>E</sup>	12 <sup>h</sup> , 135 <sup>E</sup>	12 <sup>h</sup> , 135 <sup>E</sup>	12 <sup>h</sup> , 135 <sup>E</sup>	12 <sup>h</sup> , 135 <sup>E</sup>	12 <sup>h</sup> , 135 <sup>E</sup>	12 <sup>h</sup> , 135 <sup>E</sup>	12 <sup>h</sup> , 135 <sup>E</sup>	12 <sup>h</sup> , 135 <sup>E</sup>	12 <sup>h</sup> , 135 <sup>E</sup>	12 <sup>h</sup> , 135 <sup>E</sup>	12 <sup>h</sup> , 135 <sup>E</sup>	12 <sup>h</sup> , 135 <sup>E</sup>	12 <sup>h</sup> , 135 <sup>E</sup>	12 <sup>h</sup> , 135 <sup>E</sup>	12 <sup>h</sup> , 135 <sup>E</sup>	12 <sup>h</sup> , 135 <sup>E</sup>
Atm. Pressure (Red. to m.s.l. and Strd. Gr.)	756.2	759.3	757.7	757.3	756.8	761.2	758.9	760.3	759.2	763.2	766.5	765.7	758.4	761.7	750.9	752.8	755.3
Air Temperature (in C)	31.0	29.6	23.3	21.5	22.6	12.8	17.3	27.2	16.3	16.0	7.0	6.4	20.1	11.0	22.2	-	21.0
Direction and Force of Winds (0-12)	SW 2	SSW 4	W 3	WNW 2	NE 4	NNE 8	NE 6	WSW 3	S 5	SE 2	SE 5	SW 4	S 3	S 3	SW 5	N 3	S 4
Weather	cloudy	clear	fair	rain	cloudy	rain	rain	cloudy	cloudy	cloudy	cloudy	clear	rain	cloudy	cloudy	cloudy	cloudy

Station	Shanghai	Hankow	Rasa	Palau	Hongkong	Manila	Surigao	Guam	Yap	Phu-Lien	Cap-S-Jacques	Honolulu	Midway I.	Nome	Sitka	Dutch Harbor	Kodiak
Hour of Observation	12 <sup>h</sup> , 135 <sup>E</sup>	12 <sup>h</sup> , 135 <sup>E</sup>	12 <sup>h</sup> , 135 <sup>E</sup>	12 <sup>h</sup> , 135 <sup>E</sup>	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	10 <sup>h</sup>	10 <sup>h</sup>	20 <sup>h</sup>	18 : 30 <sup>h</sup>	20 <sup>h</sup> , 135 <sup>W</sup>	20 <sup>h</sup> , 135 <sup>W</sup>	20 <sup>h</sup> , 135 <sup>W</sup>	20 <sup>h</sup> , 135 <sup>W</sup>
Atm. Pressure (Red. to m.s.l. and Strd. Gr.)	757.1	755.9	760.6	756.9	756.6	757.6	757.5	758.3	757.7	758.5	760.6	-	-	754.9	758.4	760.5	752.3
Air Temperature (in C)	20.5	-	27.8	28.1	30.	32.	26.	-	-	30.	28.	-	-	3.	7.	6.	8.
Direction and Force of Winds (0-12)	E 2	E 3	WSW 3	NNW 2	SW 2	W 2	NE 4	NE 3	E 3	SSE 6	E 2	-	-	SE 1	SE -	NW -	calm
Weather	cloudy	rain	fair	cloudy	cloudy	fair	rain	cloudy	fair	cloudy	cloudy	-	-	cloudy	fair	clear	cloudy

日二十月五年十正大

圖氣天洋平大北

號二十四百第

發行所 神戶市中山手通七丁目

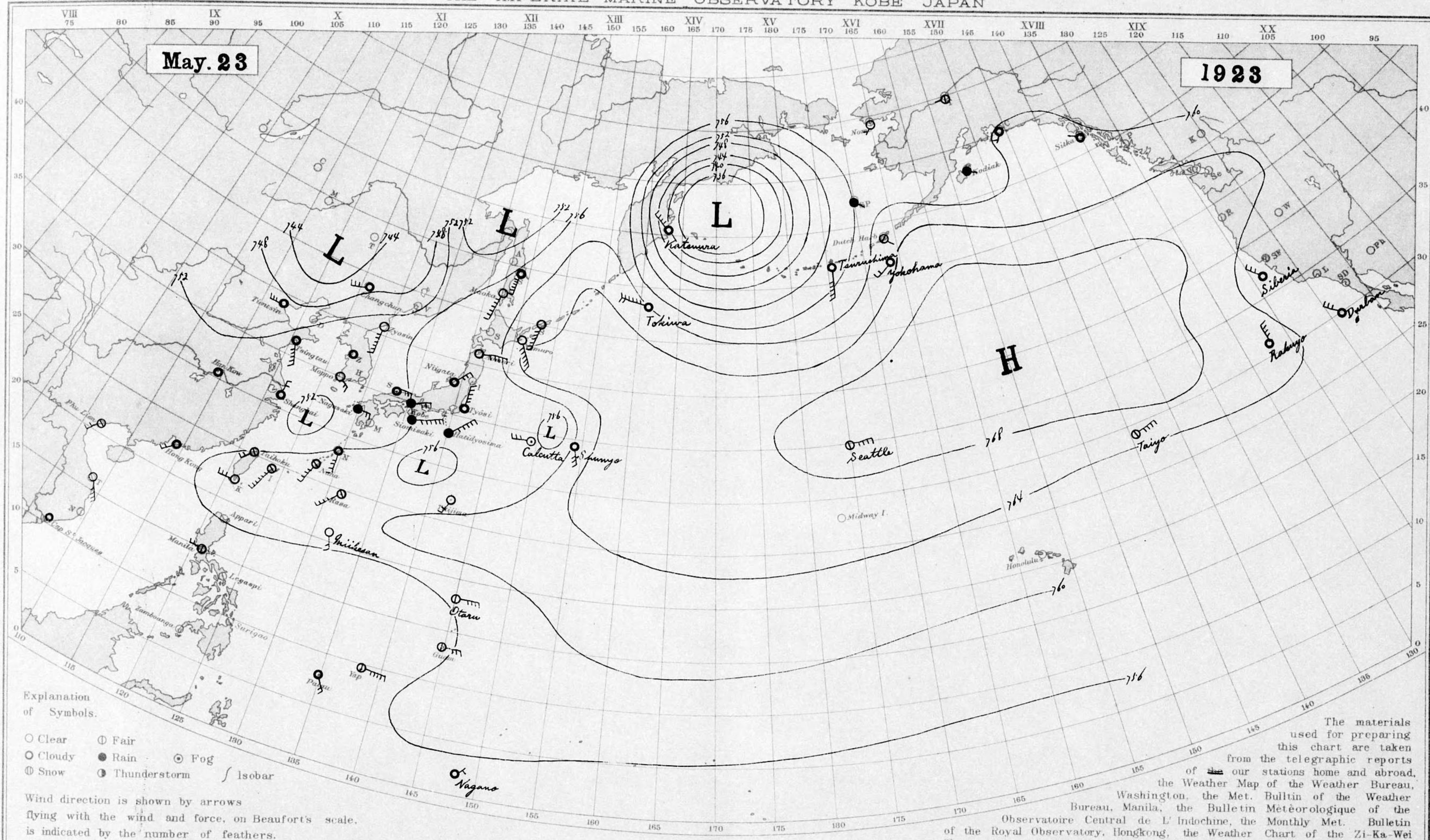


# DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the time of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 143



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.

海  
象  
臺

Station	Taihoku 12 <sup>h</sup> , 135 E	Naha 12 <sup>h</sup> , 135 E	Nagasaki 12 <sup>h</sup> , 135 E	Siomisaki 12 <sup>h</sup> , 135 E	Kōbe 12 <sup>h</sup> , 135 E	Tyosī 12 <sup>h</sup> , 135 E	Hatidyosima 12 <sup>h</sup> , 135 E	Titizima 12 <sup>h</sup> , 135 E	Niigata 12 <sup>h</sup> , 135 E	Aomori 12 <sup>h</sup> , 135 E	Nemuro 12 <sup>h</sup> , 135 E	Maoka 12 <sup>h</sup> , 135 E	Moppo 12 <sup>h</sup> , 135 E	Zyosin 12 <sup>h</sup> , 135 E	Changchun 12 <sup>h</sup> , 135 E	Tientsin 12 <sup>h</sup> , 135 E	Tsingtau 12 <sup>h</sup> , 135 E
Atm. Pressure (Red. to m.s.l. and Strd. Gr.)	756.0	757.7	753.9	756.1	756.6	758.9	757.7	759.4	757.2	757.6	763.3	758.8	754.4	752.7	747.7	749.4	753.4
Air Temperature (in C)	32.5	30.1	19.5	17.8	17.8	14.0	18.4	27.7	19.6	19.0	5.7	11.8	23.1	13.8	20.2	-	16.4
Direction and Force of Winds (0-12)	SW 2	SSW 4	E 2	ENE 7	ENE 3	N 5	NE 5	SSW 2	NE 3	E 5	SE 6	SSW 6	SE 2	S 6	WSW 4	W 3	SSE 5
Weather	fair	fair	rain	rain	rain	cloudy	rain	clear	cloudy	clear	clear	clear	clear	clear	cloudy	cloudy	cloudy

Station	Shanghai 12 <sup>h</sup> , 135 E	Hankow 12 <sup>h</sup> , 135 E	Rasa 12 <sup>h</sup> , 135 E	Palau 12 <sup>h</sup> , 135 E	Hongkong 14 <sup>h</sup>	Manila 14 <sup>h</sup>	Surigao 14 <sup>h</sup>	Guam 14 <sup>h</sup>	Yap 14 <sup>h</sup>	Phu-Lien 10 <sup>h</sup>	Cap-S-Jacques 10 <sup>h</sup>	Honolulu 20 <sup>h</sup>	Midway I. 18 : 30 <sup>h</sup>	Nome 20 <sup>h</sup> , 135 W	Sitka 20 <sup>h</sup> , 135 W	Dutch Harbor 20 <sup>h</sup> , 135 W	Kodiak 20 <sup>h</sup> , 135 W
Atm. Pressure (Red. to m.s.l. and Strd. Gr.)	753.8	754.8	759.8	753.9	757.1	* 756.8	*	* 757.5	* 757.2	* 756.5	* 759.8	-	-	761.5	760.5	762.5	756.9
Air Temperature (in C)	23.2	-	27.8	28.8	30.	32.	-	-	-	32.	30.	-	-	0.	7.	7.	3.
Direction and Force of Winds (0-12)	N 2	calm	SW 4	SE 2	SW 2	W 2	-	-	E 3	E 5	SW 2	calm	-	SW 1	NW -	SE -	SE -
Weather	cloudy	cloudy	fair	cloudy	cloudy	fair	-	fair	fair	fair	cloudy	-	-	clear	cloudy	fair	rain

日三十月五年二十正大

圖氣天洋平大北

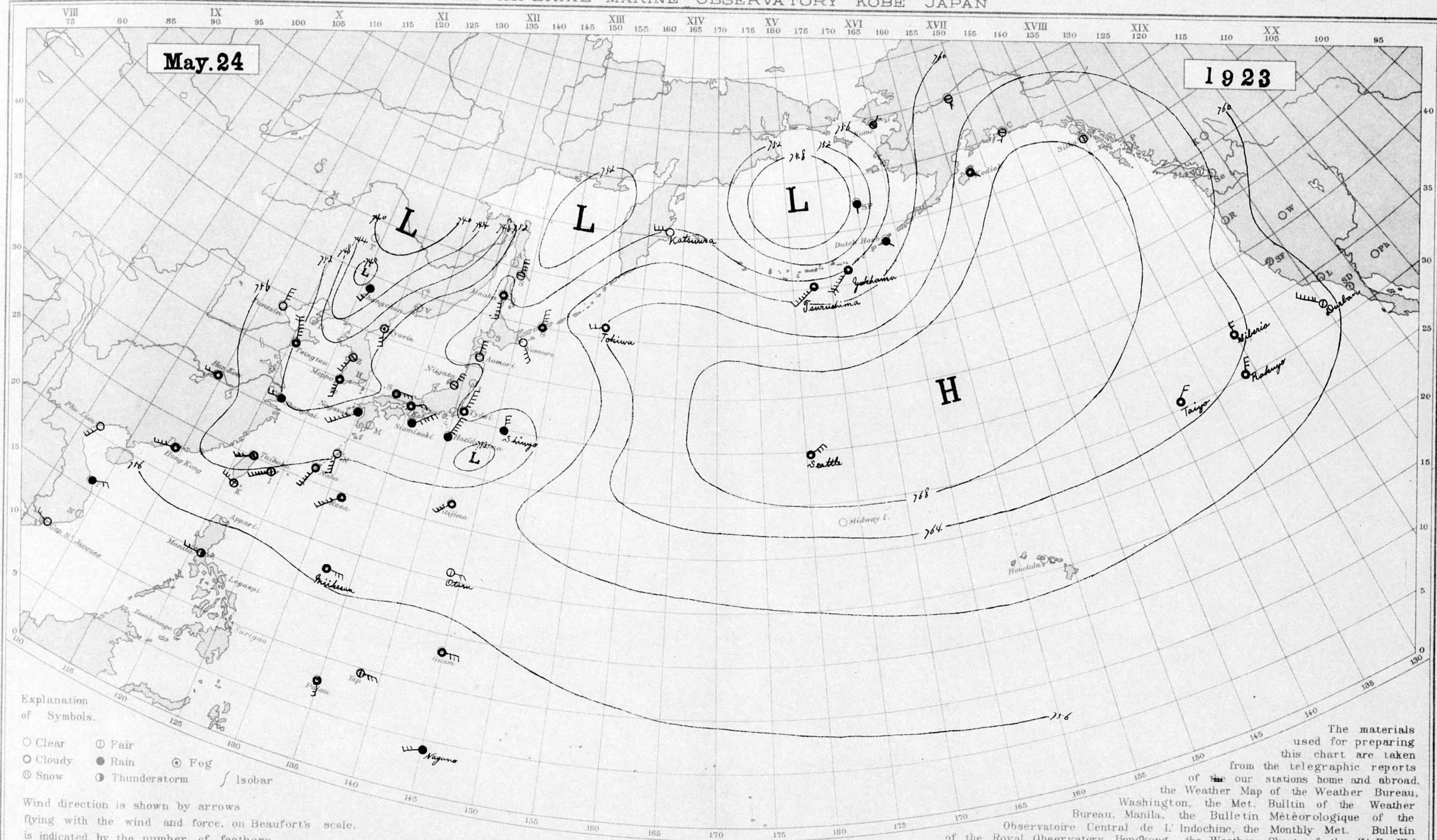
號三十四百第

# DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the time of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 144



May. 24

1923

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	Maoka	Moppo	Zyosin	Changchun	Tientsin	Tsingtau
Hour of Observation	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E
Atm. Pressure (Red. to m.s.l. and Strd. Gr. * not reduced to Strd. Gr.)	754.1	756.8	753.3	755.4	755.3	756.9	754.8	759.0	754.9	756.4	759.1	756.6	750.6	751.1	742.9	754.5	752.0
Air Temperature (in C)	34.1	30.5	20.9	18.6	21.6	16.4	19.0	27.5	20.8	16.3	9.6	8.0	23.5	13.1	13.7	-	21.2
Direction and Force of Winds (0-12)	WSW 3	SSW 5	SW 6	NE 5	ENE 2	NNE 5	NNE 6	SW 4	NNE 3	N 3	SE 3	S 5	S 4	SSE 3	SSW 2	N 4	NNW 8
Weather	fair	cloudy	rain	rain	cloudy	cloudy	rain	cloudy	fair	clear	clear	cloudy	cloudy	fog	rain	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 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	10 <sup>h</sup>	10 <sup>h</sup>	20 <sup>h</sup>	18 : 30 <sup>h</sup>	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W
Atm. Pressure (Red. to m.s.l. and Strd. Gr. * not reduced to Strd. Gr.)	752.0	757.4	758.9	755.3	756.4	756.0	-	757.1	756.5	754.8	759.1	-	-	758.9	767.6	758.5	765.0
Air Temperature (in C)	23.5	-	28.4	25.5	30.	32.	-	-	-	33.	23.	-	-	1.	10.	7.	9.
Direction and Force of Winds (0-12)	W 2	W 2	SW 5	SSE 2	WSW 4	W 2	-	E 3	E 3	SSW 3	WNW 2	-	-	NE 1	calm	SE	SE
Weather	rain	cloudy	cloudy	cloudy	cloudy	th.s.	-	cloudy	fair	clear	clear	-	-	snow	fair	rain	cloudy

日四十月五年二十正大

圖氣天洋平大北

號四十四百第

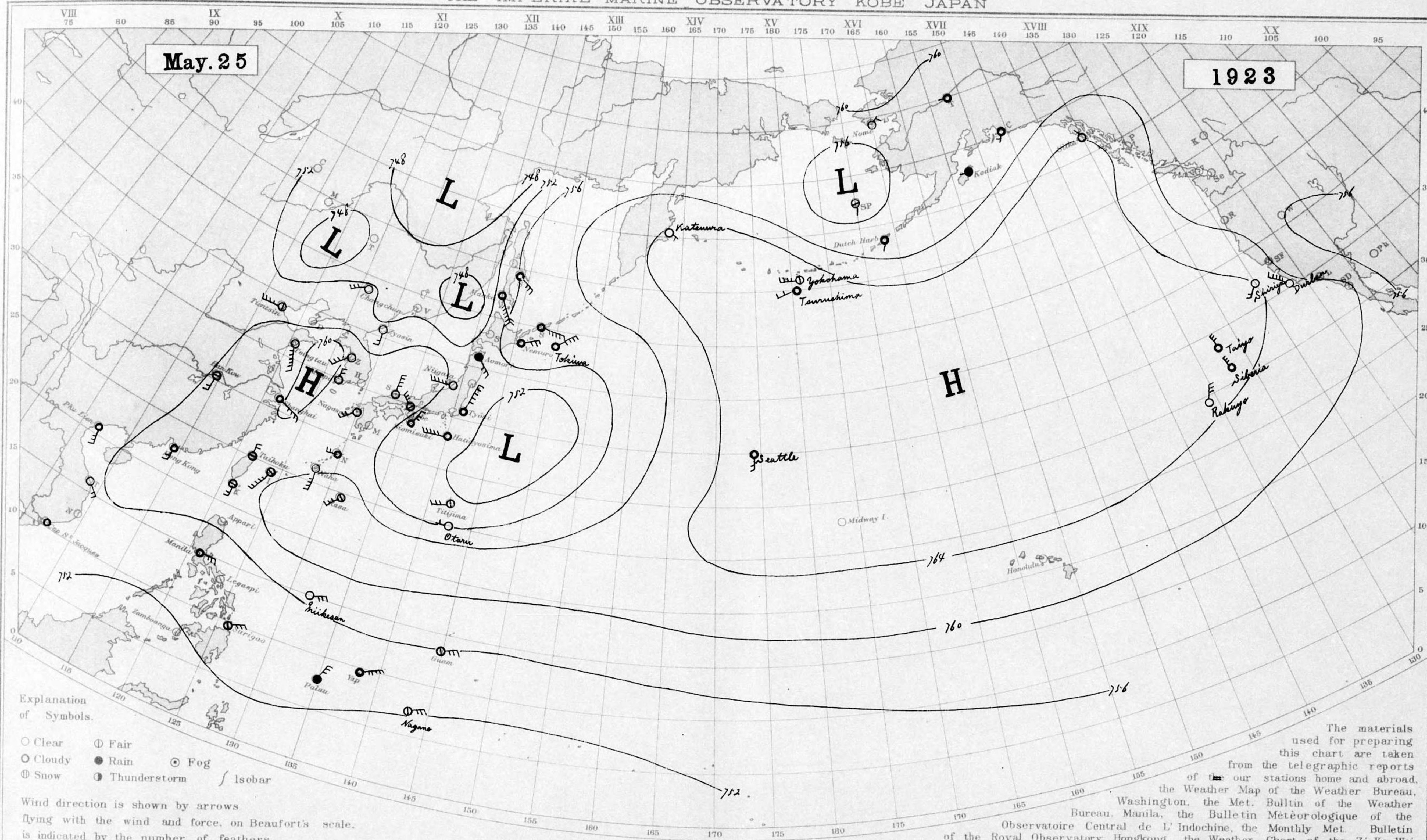
印發行人發行所  
神戶市中山手通七丁目

# DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the time of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 145



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.

海  
氣  
象  
臺

Station	Taihoku	Naha	Nagasaki	Siomaki	Kobe	Tyosi	Hatidyosima	Titizima	Niigata	Aomori	Nemuro	Maoka	Moppo	Zyosin	Changchun	Tientsin	Tsingtau
Hour of Observation	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E
Atm. Pressure (Red. to m.s.l. and Std. Gr.)	753.0	759.8	758.2	755.4	756.9	752.8	754.8	760.7	756.3	752.8	753.0	752.4	759.7	752.4	752.1	755.0	759.4
Air Temperature (in C)	32.5	30.7	23.5	25.5	25.3	18.0	22.2	28.6	19.6	14.1	759.0	16.0	21.1	19.5	19.2	-	18.7
Direction and Force of Winds (0-12)	N 2	S 4	SW 3	NNE 3	NW 3	ENE 5	W 5	WSW 3	W 5	SE 3	ENE 3	SE 3	N 2	S 2	WSW 3	W 4	SSE 6
Weather	fair	clear	clear	cloudy	fair	cloudy	cloudy	fair	cloudy	rain	cloudy	cloudy	clear	clear	clear	fair	clear
Station	Shanghai	Hankow	Rasa	Palau	Hongkong	Manila	Surigao	Guam	Yap	Phu Lien	Cap-St-Jacques	Honolulu	Midway I.	Nome	Sitka	Dutch Harbor	Kodiak
Hour of Observation	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	10 <sup>h</sup>	10 <sup>h</sup>	20 <sup>h</sup>	18 : 30 <sup>h</sup>	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W
Atm. Pressure (Red. to m.s.l. and Std. Gr.)	759.9	756.5	761.0	755.3	757.7	*757.0	*756.1	*757.6	*756.7	*756.2	*759.0	-	-	759.5	765.5	758.4	759.5
Air Temperature (in C)	22.9	-	28.8	25.7	32.	32.	32.	-	-	30.	29.	-	-	4.	9.	4.	4.
Direction and Force of Winds (0-12)	ESE 4	S 2	SW 3	NNE 3	S 2	E 3	ENE 3	ENE 3	ENE 5	SSE 3	calm	-	-	NE 1	NW -	SW -	W -
Weather	cloudy	fair	fair	rain	cloudy	cloudy	fair	fair	cloudy	cloudy	cloudy	-	-	clear	clear	cloudy	rain

日五十月五年二十正大

圖氣天洋平大北

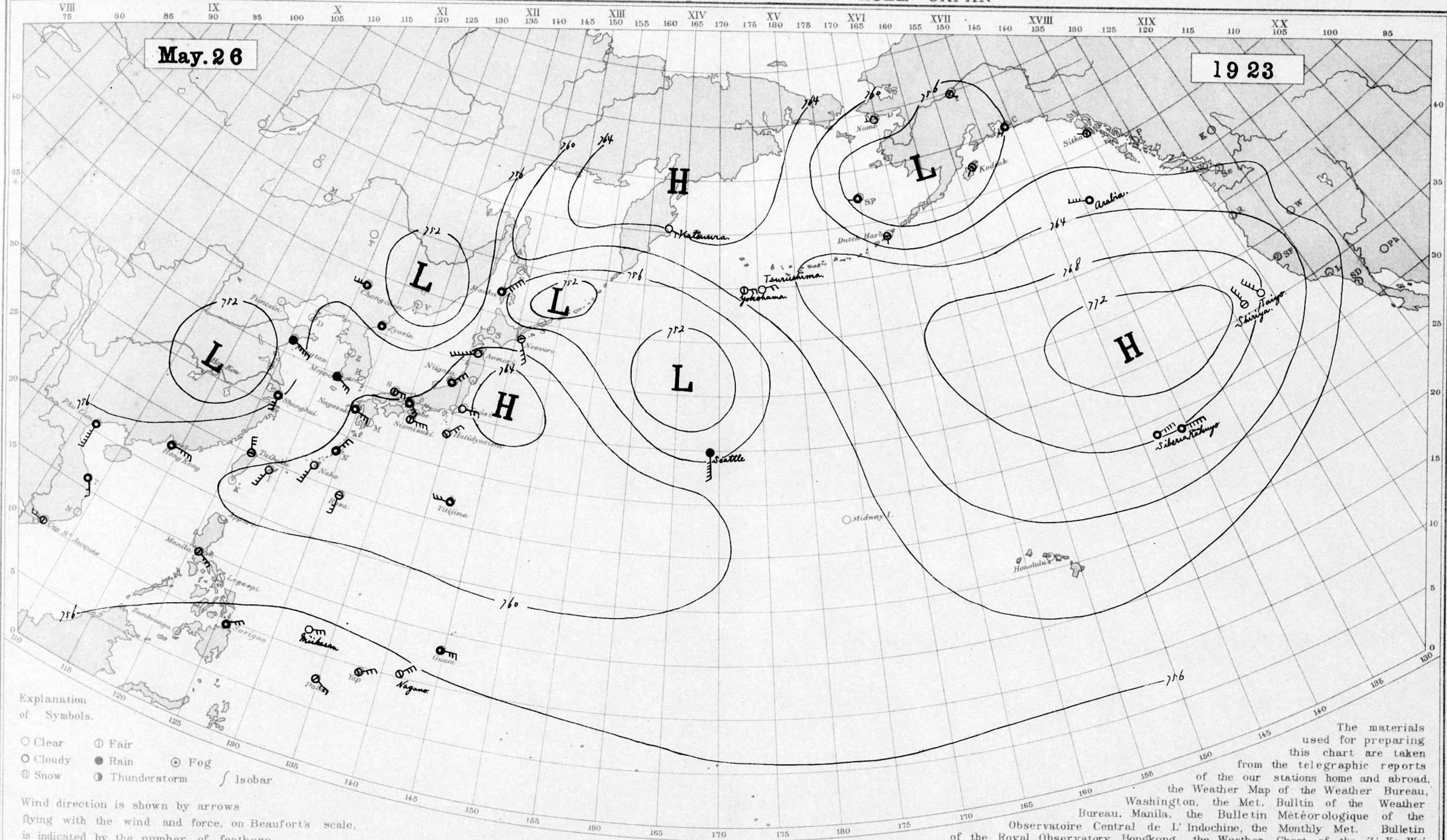
號五十四百第

# DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the time of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 146



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

Explanation of Symbols.

○ Clear    ○ Fair  
 ○ Cloudy    ● Rain    ○ Fog  
 ○ Snow    ● Thunderstorm    / 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	Maaka	Moppo	Zyosin	Changchun	Tientsin	Tsingtau
Hour of Observation	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E
Atm. Pressure (Red. to m.s.l. and Std. Gr. * not reduced to Std. Gr.)	759.7	761.2	760.4	761.8	760.9	763.3	761.8	761.8	761.0	759.3	755.9	756.5	758.1	755.8	754.6	-	754.0
Air Temperature (in C)	31.5	31.6	21.0	23.4	24.8	19.2	24.0	27.9	20.4	23.1	14.2	11.4	15.1	15.7	16.4	-	15.0
Direction and Force of Winds (0-12)	NNW 3	SSW 4	ESE 3	E 4	SE 3	E 3	NE 3	W 3	NE 3	WSW 6	SSE 4	NE 5	ESE 3	calm	W 3	-	ESE 5
Weather	fair	clear	cloudy	fair	cloudy	clear	fair	cloudy	cloudy	clear	fair	cloudy	rain	cloudy	cloudy	-	rain
Station	Shanghai	Hankow	Rasa	Palau	Hongkong	Manila	Surigao	Guam	Yap	Phu-Lien	Cap S' Jacques	Honolulu	Midway I.	Nome	Sitka	Dutch Harbor	Kodiak
Hour of Observation	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	10 <sup>h</sup>	10 <sup>h</sup>	20 <sup>h</sup>	18 : 30 <sup>h</sup>	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W
Atm. Pressure (Red. to m.s.l. and Std. Gr. * not reduced to Std. Gr.)	755.5	-	762.5	756.3	758.9	*757.1	*757.5	*758.1	*757.0	*757.5	*759.1	-	-	759.5	757.9	756.9	753.9
Air Temperature (in C)	27.7	-	29.3	29.3	30.	32.	32.	-	-	31.	28.	-	-	3.	8.	4.	7.
Direction and Force of Winds (0-12)	S 3	-	S 3	ESE 3	E 4	ESE 3	ENE 3	E 3	ENE 3	S 6	W 2	-	-	W 1	NE -	S -	SW -
Weather	cloudy	-	fair	fair	cloudy	fair	cloudy	cloudy	fair	cloudy	fair	-	-	clear	fair	fair	fair

日六十月五年二十正

圖氣天洋平大北

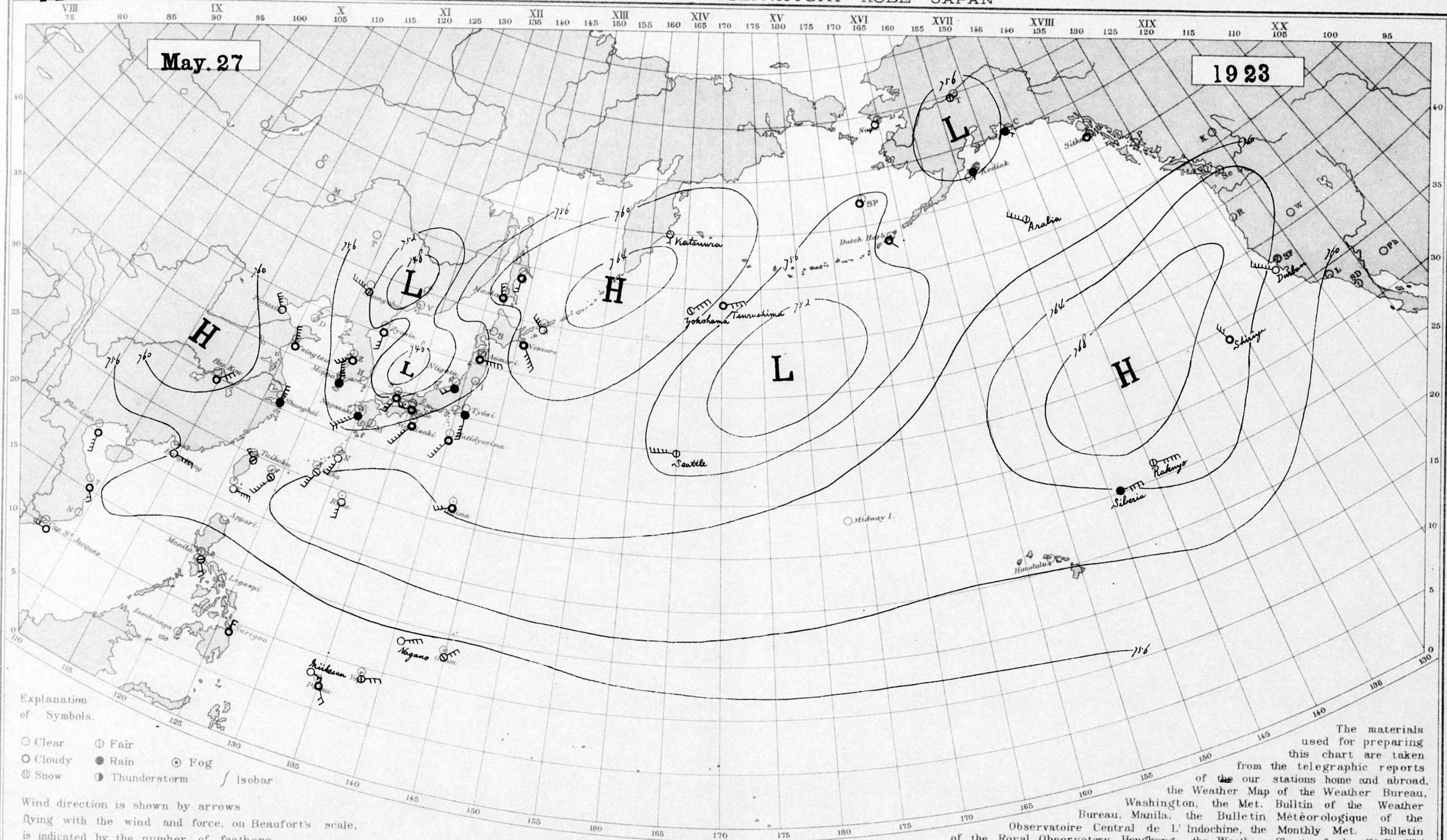
號六十四百第

# DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the time of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No. 147



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	Maaka	Moppo	Zyosin	Changchun	Tientsin	Tsingtau
Hour of Observation	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E
Atm. Pressure (Red. to m.s.l. and Strd. Gr.)	758.7	760.0	755.3	756.7	755.1	757.3	759.1	759.9	754.9	755.3	761.7	760.2	754.8	752.2	752.0	757.8	758.2
Air Temperature (in C)	30.4	30.2	23.0	22.3	23.0	20.4	23.3	25.7	18.7	18.4	7.1	6.3	16.7	12.3	18.2	-	21.6
Direction and Force of Winds (0-12)	NW 2	SSW 4	SW 8	SW 6	W 2	S 5	SW 5	WSW 3	SW 2	E 5	SE 5	NNW 3	NNW 6	S 3	WNW 5	NW 4	NNW 5
Weather	fair	fair	rain	cloudy	cloudy	rain	cloudy	cloudy	rain	cloudy	cloudy	cloudy	rain	cloudy	fair	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 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	10 <sup>h</sup>	10 <sup>h</sup>	20 <sup>h</sup>	18 : 30 <sup>h</sup>	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W
Atm. Pressure (Red. to m.s.l. and Strd. Gr.)	758.1	760.4	761.6	756.3	756.0	756.9	756.9	757.0	756.7	758.1	758.4	-	-	757.9	758.4	756.9	755.4
Air Temperature (in C)	19.8	-	28.8	23.7	30.	33.	29.	-	-	28.	27.	-	-	3.	7.	3.	7.
Direction and Force of Winds (0-12)	N 4	NE 3	S 3	SE 2	E 4	SE 2	N 2	NE 3	ENE 3	SSE 4	W 2	-	-	SW 1	calm	SE -	S -
Weather	rain	cloudy	clear	cloudy	clear	fair	cloudy	fair	fair	cloudy	cloudy	-	-	clear	cloudy	cloudy	fair

日 七 = 月 五 年 = 十 正 大

圖 氣 天 洋 平 大 北

號 七 + 四 西 第

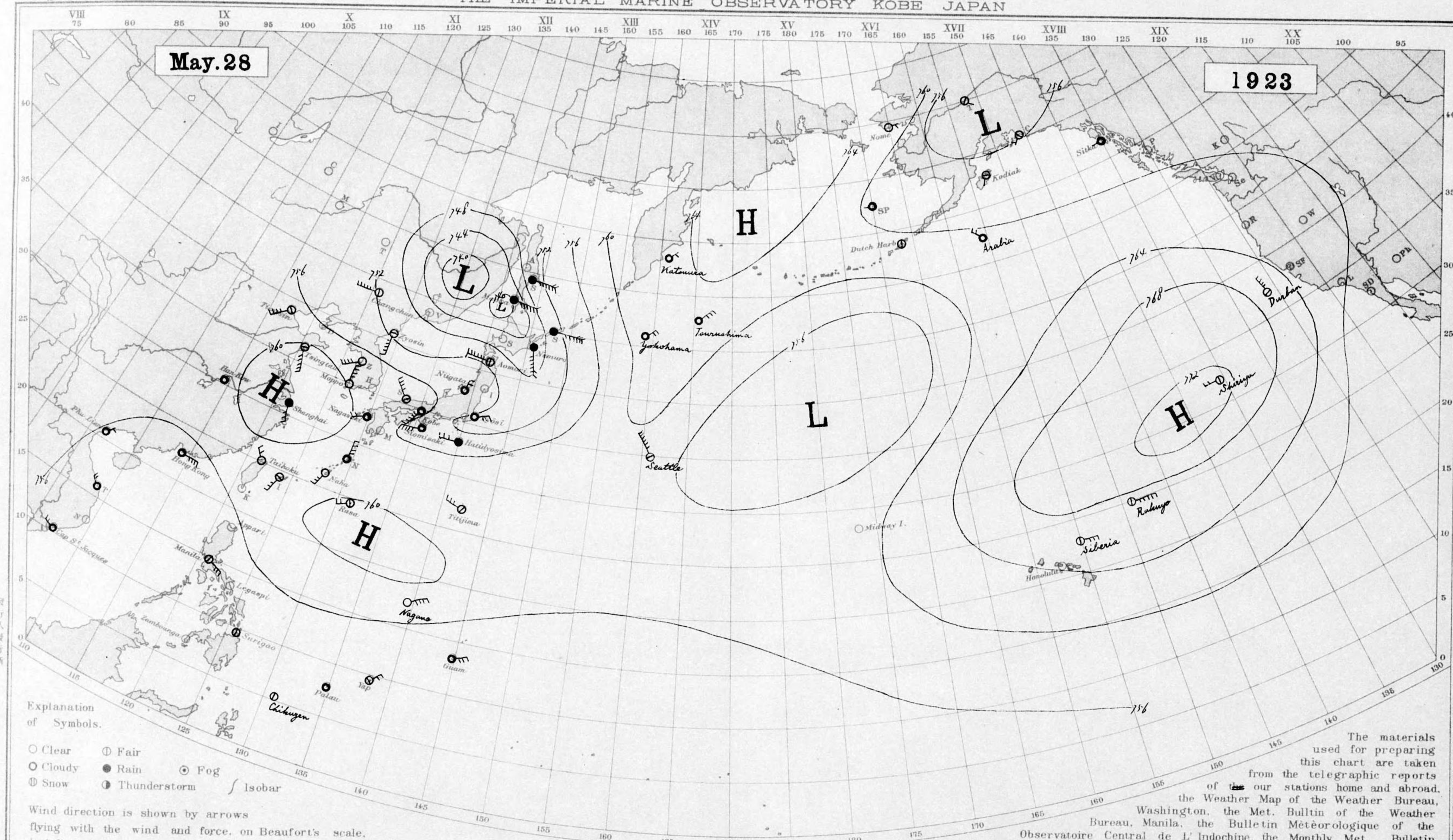
印 發 行 人 觀 普 行 所  
神 戶 市 中 山 手 通 七 丁 目  
海 洋 氣 象 臺

# DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the time of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No. 148



May. 28

1923

Explanation of Symbols.

- Clear
- ☉ Cloudy
- ☁ Fair
- 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	Titizima	Niigata	Aomori	Nemuro	Maoka	Moppo	Zyosin	Changchun	Tientsin	Tsingtau
Hour of Observation	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E
Atm. Pressure (Red. to m.s.l. and Strd. Gr.)*	757.7	759.3	759.5	754.7	756.4	751.8	754.1	758.8	755.1	752.1	746.6	741.5	759.7	751.9	751.8	756.7	760.4
Air Temperature (in C)	31.6	31.1	21.7	24.0	21.7	20.1	23.2	27.5	16.8	13.4	7.2	7.9	20.7	15.2	18.1	-	19.2
Direction and Force of Winds (0-12)	NW 2	SSW 3	WSW 2	W 5	SW 5	ENE 3	W 3	WNW 3	NNE 2	W 7	SSE 3	ESE 7	N 4	S 5	W 5	SW 4	SSE 5
Weather	clear	clear	cloudy	cloudy	cloudy	cloudy	rain	fair	cloudy	fair	rain	rain	clear	fair	fair	fair	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 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	10 <sup>h</sup>	10 <sup>h</sup>	20 <sup>h</sup>	18 : 30 <sup>h</sup>	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W
Atm. Pressure (Red. to m.s.l. and Strd. Gr.)*	762.2	759.4	760.2	755.0	756.5	*755.3	*756.2	*757.0	*755.3	*757.3	*756.5	-	-	760.5	756.4	761.0	756.9
Air Temperature (in C)	19.2	-	28.6	23.5	30.	33.	30.	-	-	30.	28.	-	-	6.	9.	3.	7.
Direction and Force of Winds (0-12)	SSE 3	calm	WSW 2	calm	E 4	ESE 3	calm	ENE 3	NE 2	NE 1	WNW 2	-	-	E 1	W -	calm	SW -
Weather	rain	cloudy	fair	cloudy	cloudy	fair	fair	cloudy	fair	cloudy	cloudy	-	-	clear	cloudy	fair	fair

日八十月五年二十正大

圖氣天洋平大北

號八十四百第

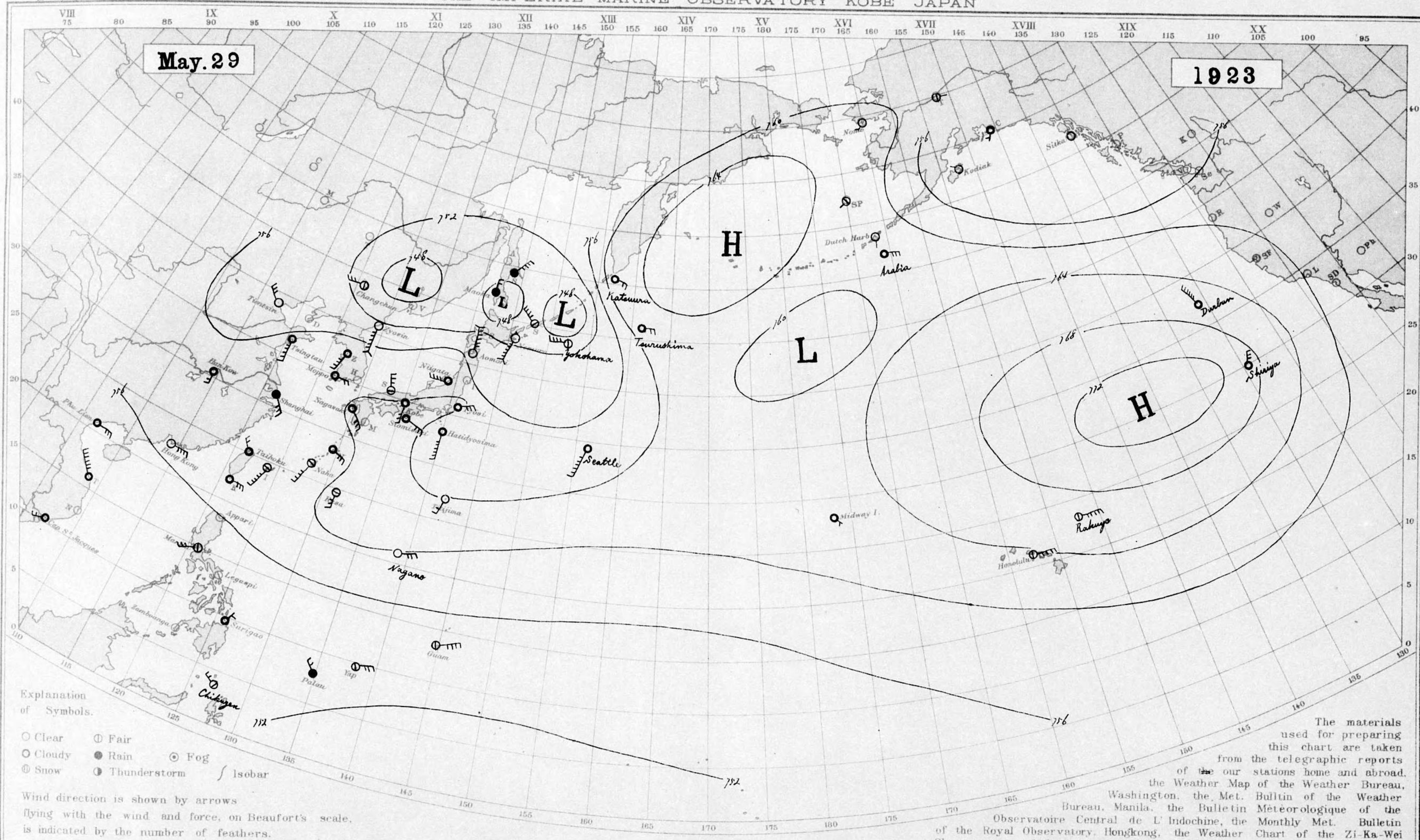
海 洋 氣 象 臺

# DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the time of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No. 49



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	Siomisaki	Kobe	Tyosi	Haidyosima	Titizima	Niigata	Aomori	Nemuro	Maoka	Moppo	Zyosin	Changchun	Tientsin	Tsingtau
Hour of Observation	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E
Atm. Pressure (Red. to m.s.l. and Std. Gr.)	757.9	759.1	760.0	760.4	760.4	760.0	759.2	760.3	759.6	755.8	750.9	749.0	758.9	752.9	751.2	753.7	756.6
Air Temperature (in C)	29.8	32.0	19.9	22.3	21.8	19.6	21.8	28.0	19.6	20.4	14.2	5.2	22.2	13.6	23.0	-	16.6
Direction and Force of Winds (0-12)	NW 2	SSW 4	SE 3	ESE 3	S 3	ENE 3	S 6	SSW 2	W 4	N 7	SSW 7	N 2	E 2	S 7	W 3	NW 3	S 5
Weather	cloudy	fair	cloudy	cloudy	cloudy	cloudy	cloudy	clear	cloudy	clear	fair	rain	cloudy	clear	fair	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 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	10 <sup>h</sup>	10 <sup>h</sup>	20 <sup>h</sup>	18 : 30 <sup>h</sup>	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W
Atm. Pressure (Red. to m.s.l. and Std. Gr.)	758.3	757.2	760.2	754.3	756.8	756.1	* 755.8	* 756.2	* 754.7	* 756.2	* 755.8	764.0	762.0	762.0	753.4	763.5	758.9
Air Temperature (in C)	16.9	-	29.3	25.4	30.	31.	28.	-	-	31.	27.	24.	23.	3.	12.	6.	9.
Direction and Force of Winds (0-12)	SE 3	S 2	S 3	NW 2	E 4	WSW 3	NNE 1	ENE 4	ENE 3	E 3	WSW 2	E 4	SE 1	SW 1	calm	S -	NW -
Weather	rain	cloudy	fair	rain	clear	fair	cloudy	fair	fair	cloudy	cloudy	fair	cloudy	clear	clear	clear	clear

日五廿月五年十正

圖氣天洋平大北

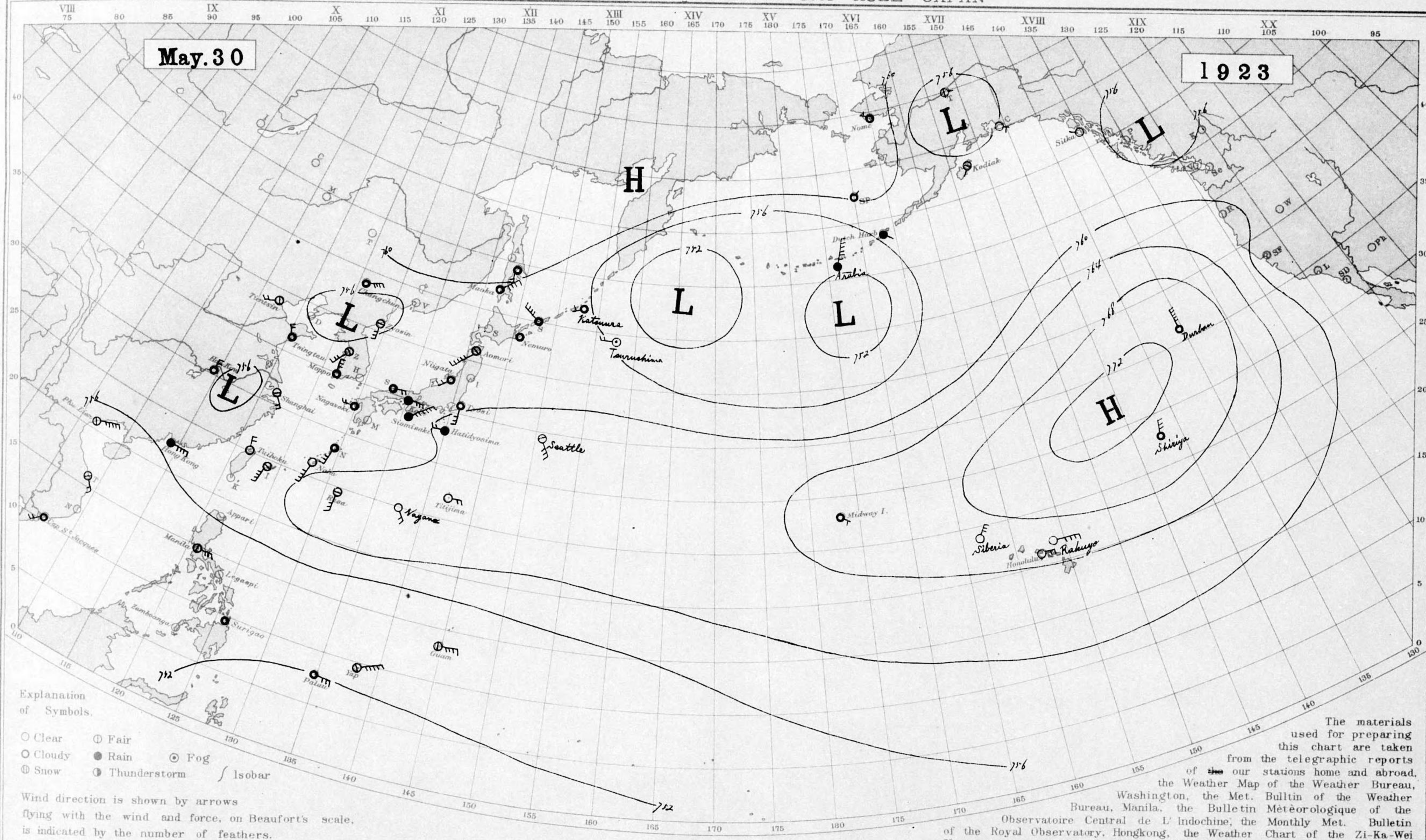
號九十四第

# DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the time of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 150



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	Maoka	Moppo	Zyosin	Changchun	Tientsin	Tsingtau
Hour of Observation	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E
Atm. Pressure (Red. to m.s.l. and Srd. Gr.)*	757.4	759.7	757.5	758.9	758.7	759.5	761.8	761.3	758.1	757.2	758.2	759.5	757.6	754.7	757.4	758.1	758.6
Air Temperature (in C)	31.1	31.5	21.7	16.3	18.7	19.0	20.9	28.2	23.7	24.8	17.7	10.2	22.1	18.2	15.4	-	15.8
Direction and Force of Winds (0-12)	NNW 2	SSW 4	W 2	NE 6	E 3	S 3	W 2	E 2	SW 2	SW 5	calm	NE 4	N 3	S 3	ENE 4	WSW 2	NW 2
Weather	clear	clear	cloudy	rain	rain	cloudy	rain	clear	cloudy	fair	cloudy	cloudy	cloudy	fair	cloudy	fair	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 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	10 <sup>h</sup>	10 <sup>h</sup>	20 <sup>h</sup>	18 : 30 <sup>h</sup>	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W
Atm. Pressure (Red. to m.s.l. and Srd. Gr.)*	758.4	756.6	760.6	753.7	756.8	*756.0	*756.5	*757.2	*756.4	*755.7	*756.2	764.5	764.5	760.5	758.4	756.4	756.9
Air Temperature (in C)	19.2	-	29.	29.8	29.	32.	28.	-	-	30.	29.	23.	23.	4.	9.	4.	9.
Direction and Force of Winds (0-12)	SE 2	N 2	S 3	E 3	E 4	E 3	calm	E 4	ENE 5	ENE 5	SW 2	E 2	SE 1	NW 1	NW -	SE -	SW -
Weather	rain	cloudy	fair	cloudy	rain	fair	cloudy	fair	fair	fair	cloudy	clear	cloudy	cloudy	clear	rain	rain

日十二月五年二十正大

圖氣天洋平大北

號十五百第

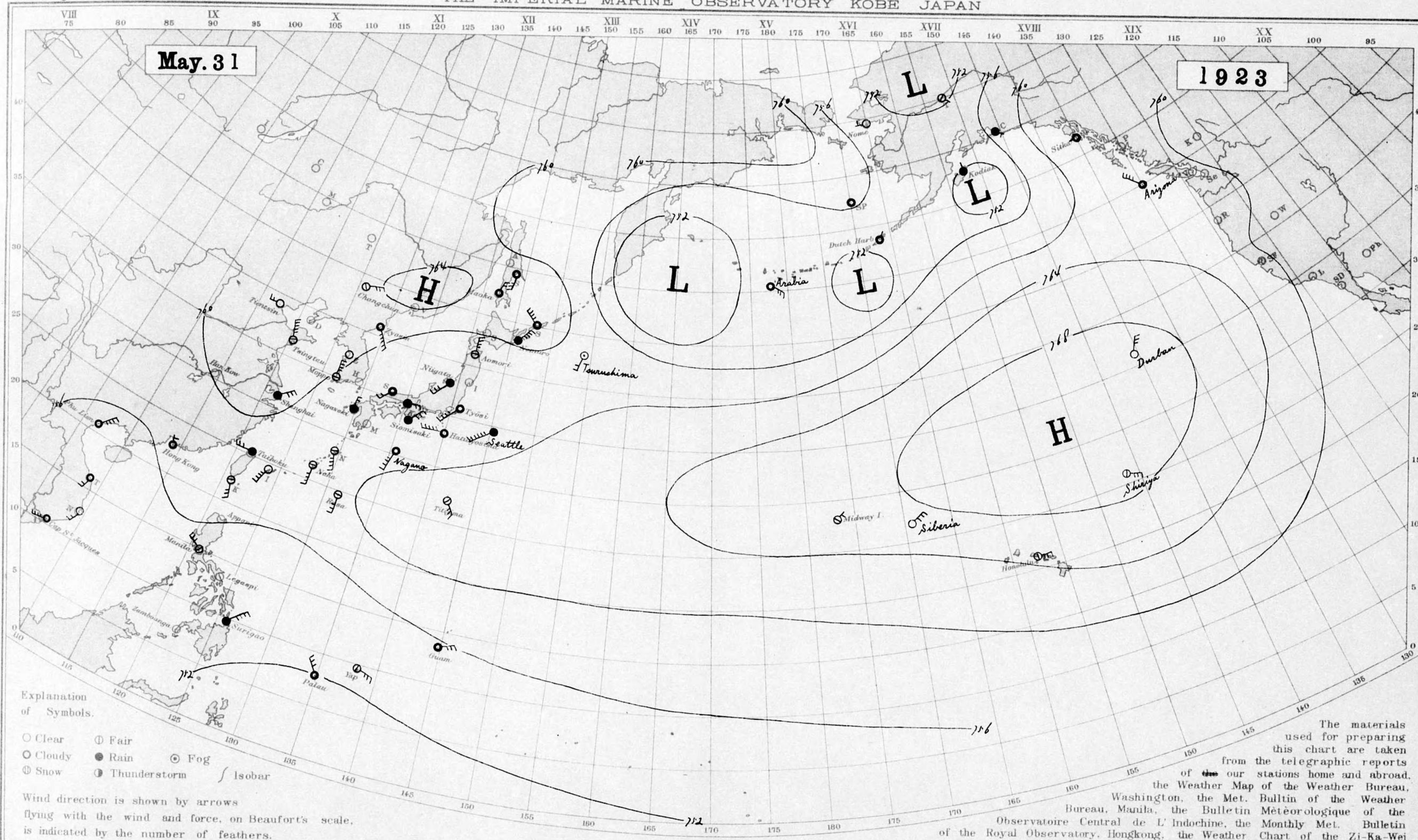


# DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the time of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 151



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	Siomisaki	Kobe	Tyosi	Hatidyosima	Titizima	Niigata	Aomori	Nemuro	Maoka	Moppo	Zyosin	Changchun	Tientsin	Tsingtau
Hour of Observation	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E
Atm. Pressure (Red. to m.s.l. and Std. Gr.)*	758.2	759.4	759.4	758.1	759.0	758.1	758.8	761.3	758.1	757.1	760.0	761.6	759.3	761.6	763.3	762.5	762.8
Air Temperature (in C)	30.0	31.4	17.7	19.1	17.5	21.0	19.9	28.0	18.3	15.8	5.7	7.6	22.1	11.9	16.0	-	21.2
Direction and Force of Winds (0-12)	W 3	S 4	N 2	NE 3	E 2	SW 4	W 5	SE 3	SW 3	N 4	NE 4	NNE 2	N 4	SE 5	ENE 3	W 2	NNW 5
Weather	rain	fair	rain	rain	rain	cloudy	cloudy	fair	rain	fair	rain	cloudy	fair	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 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	10 <sup>h</sup>	10 <sup>h</sup>	20 <sup>h</sup>	13 : 30 <sup>h</sup>	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W
Atm. Pressure (Red. to m.s.l. and Std. Gr.)*	761.8	-	759.8	753.3	757.7	*757.0	*756.1	*757.6	*756.8	*755.9	*757.8	764.5	766.1	754.9	762.0	755.4	751.8
Air Temperature (in C)	18.6	-	29.4	26.7	25.	32.	28.	-	-	27.	25.	23.	23.	6.	8.	4.	6.
Direction and Force of Winds (0-12)	NE 3	-	S 3	NW 3	NNW 1	WNW 3	NE 4	ENE 3	ESE 3	NE 4	WSW 4	E 3	NE 1	W 1	W -	NE -	N -
Weather	rain	-	fair	cloudy	cloudy	fair	rain	cloudy	fair	cloudy	cloudy	fair	fair	clear	cloudy	cloudy	rain

日一廿月五年一十正大

圖氣天洋平大北

號一十五第

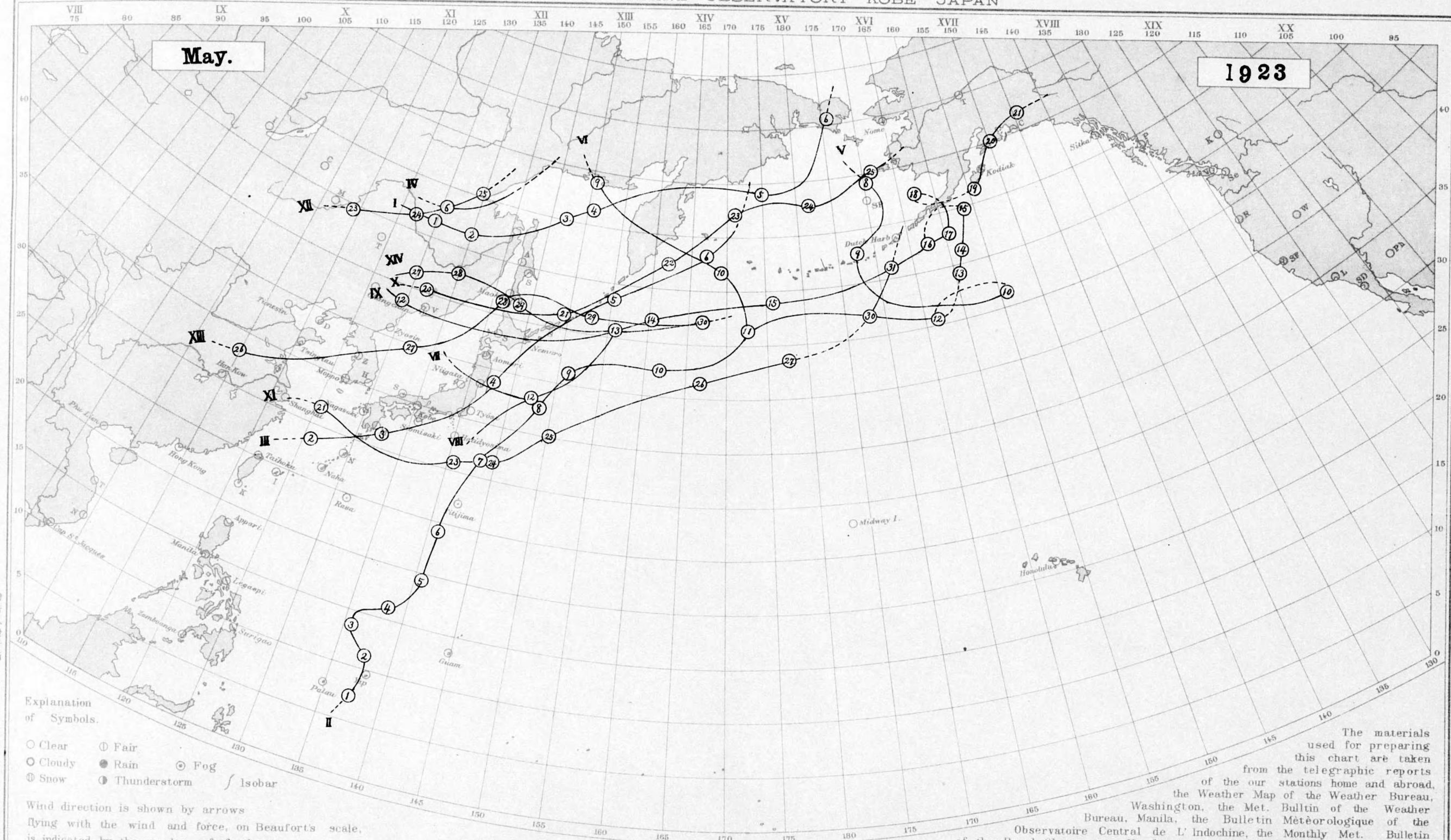
海 洋 氣 象 臺

# DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

No.

Appendix: Tracks of Cyclones

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



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 the 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.

海 洋 氣 象 臺

Station	Taihoku	Naha	Nagasaki	Siomisaki	Kōbe	Tyosi	Hatidyosima	Titizima	Niigata	Aomori	Nemuro	Macka	Moppo	Zyosin	Changchun	Tientsin	Tsingtau
Hour of Observation	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E
Atm. Pressure (Red. to m.s.l. and Std. Gr.)																	
Air Temperature (in C)																	
Direction and Force of Winds (0-12)																	
Weather																	
Station	Shanghai	Hankow	Rasa	Palau	Hongkong	Manila	Surigao	Guam	Yap	Phu-Lien	Cap S' Jacques	Honolulu	Midway I.	Nome	Sitka	Dutch Harbor	Kodiak
Hour of Observation	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	12 <sup>h</sup> , 135 E	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	14 <sup>h</sup>	10 <sup>h</sup>	10 <sup>h</sup>	20 <sup>h</sup>	18 : 30 <sup>h</sup>	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W	20 <sup>h</sup> , 135 W
Atm. Pressure (Red. to m.s.l. and Std. Gr.)						*	*	*	*	*	*						
Air Temperature (in C)																	
Direction and Force of Winds (0-12)																	
Weather																	

不許複製

大正十三年一月二十日發行  
大正十三年一月十五日印刷

印刷所

海

洋

氣

象

臺

印刷者  
發行兼

海

洋

氣

象

臺

神戸市中山手通七丁目

終