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北 太 平 洋 天 氣 圖

大 正 二 十 二 年 八 月

神 戶

海 洋 氣 象 臺

# DAILY WEATHER CHARTS

OF THE

## NORTH PACIFIC OCEAN.

AUGUST

1923



THE IMPERIAL MARINE OBSERVATORY,

KOBE, JAPAN.

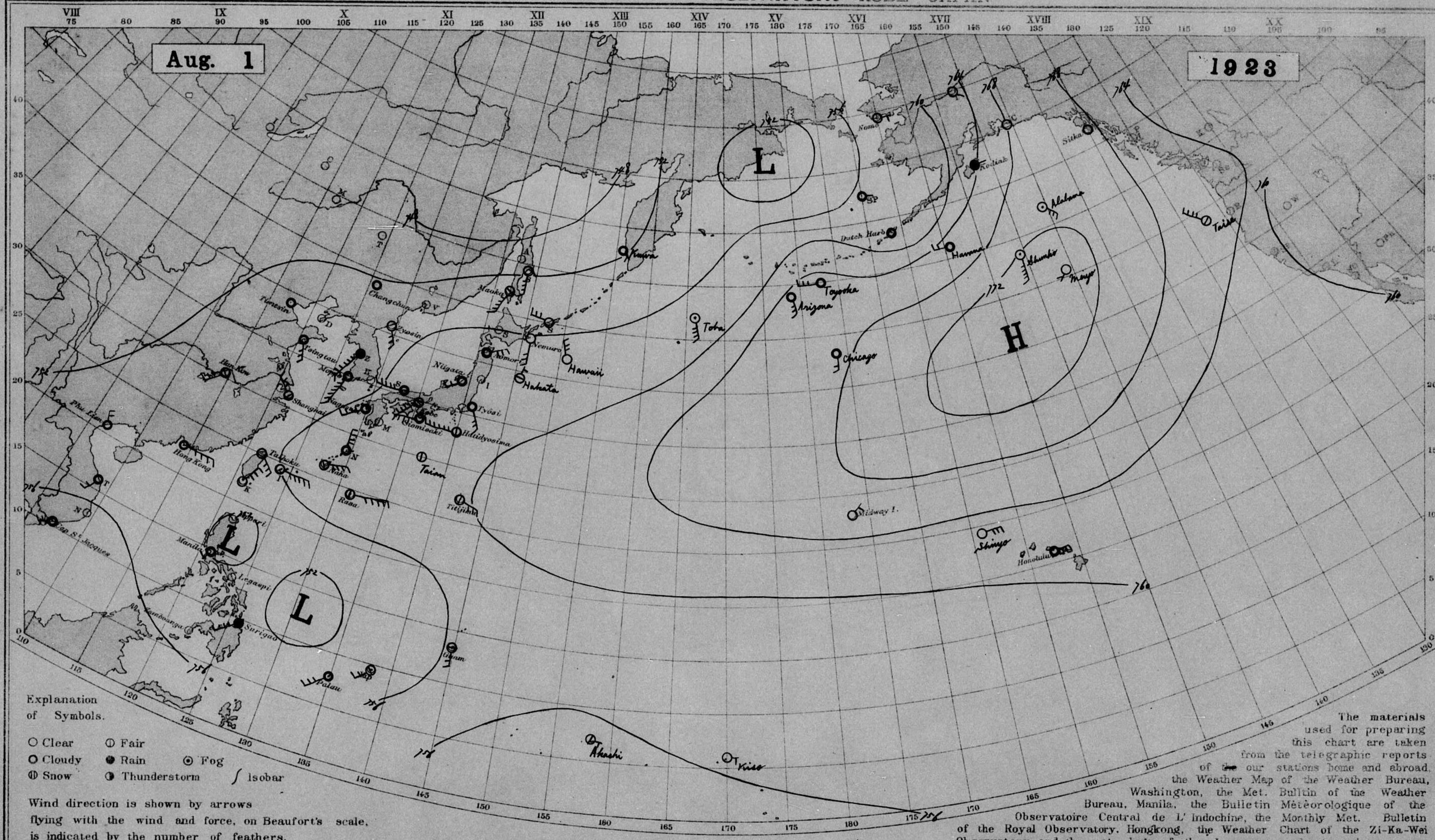


# DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the time of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 213



Explanation of Symbols.

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

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

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

Station	Taihoku	Naha	Nagasaki	Siomiasaki	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 Std. Gr. * not reduced to Std. Gr.)	755.1	756.8	758.2	757.8	757.8	756.9	758.8	759.5	757.6	757.2	756.3	754.8	754.5	755.5	752.1	754.1	753.2
Air Temperature (in C)	34.5	32.3	28.3	30.1	30.3	28.4	29.7	31.6	27.7	23.4	19.6	19.3	26.8	23.2	24.4	-	25.8
Direction and Force of Winds (0-12)	SE 3	ENE 4	SW 5	W 4	SSW 4	SSE 3	W 6	ESE 3	WSW 2	ENE 3	S 3	SSW 5	SSW 6	SSE 3	calm	calm	SSE 3
Weather	clear	fair	cloudy	cloudy	clear	cloudy	fair	fair	cloudy	cloudy	clear	fair	cloudy	fair	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 Std. Gr. * not reduced to Std. Gr.)	754.3	755.2	757.2	755.6	756.2	* 753.9	* 754.5	* 757.9	* 757.4	* 753.6	* 759.5	761.5	764.5	758.6	768.4	758.9	763.5
Air Temperature (in C)	34.2	-	30.0	28.9	29.	29.	26.	-	-	25.	26.	24.	26.	20.	11.	8.	12.
Direction and Force of Winds (0-12)	NW 3	SW 3	ENE 5	SW 3	E 4	SSW 1	SW 4	N 2	SW 2	NNW 2	WSW 2	E 3	NE 1	E 1	calm	calm	E -
Weather	fair	fair	fair	cloudy	cloudy	cloudy	rain	fair	fair	cloudy	cloudy	cloudy	clear	clear	clear	cloudy	rain

日 - 月 八年 - 二十 正大

圖 氣 天 洋 平 大 北

號 五 十 百 一 第

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

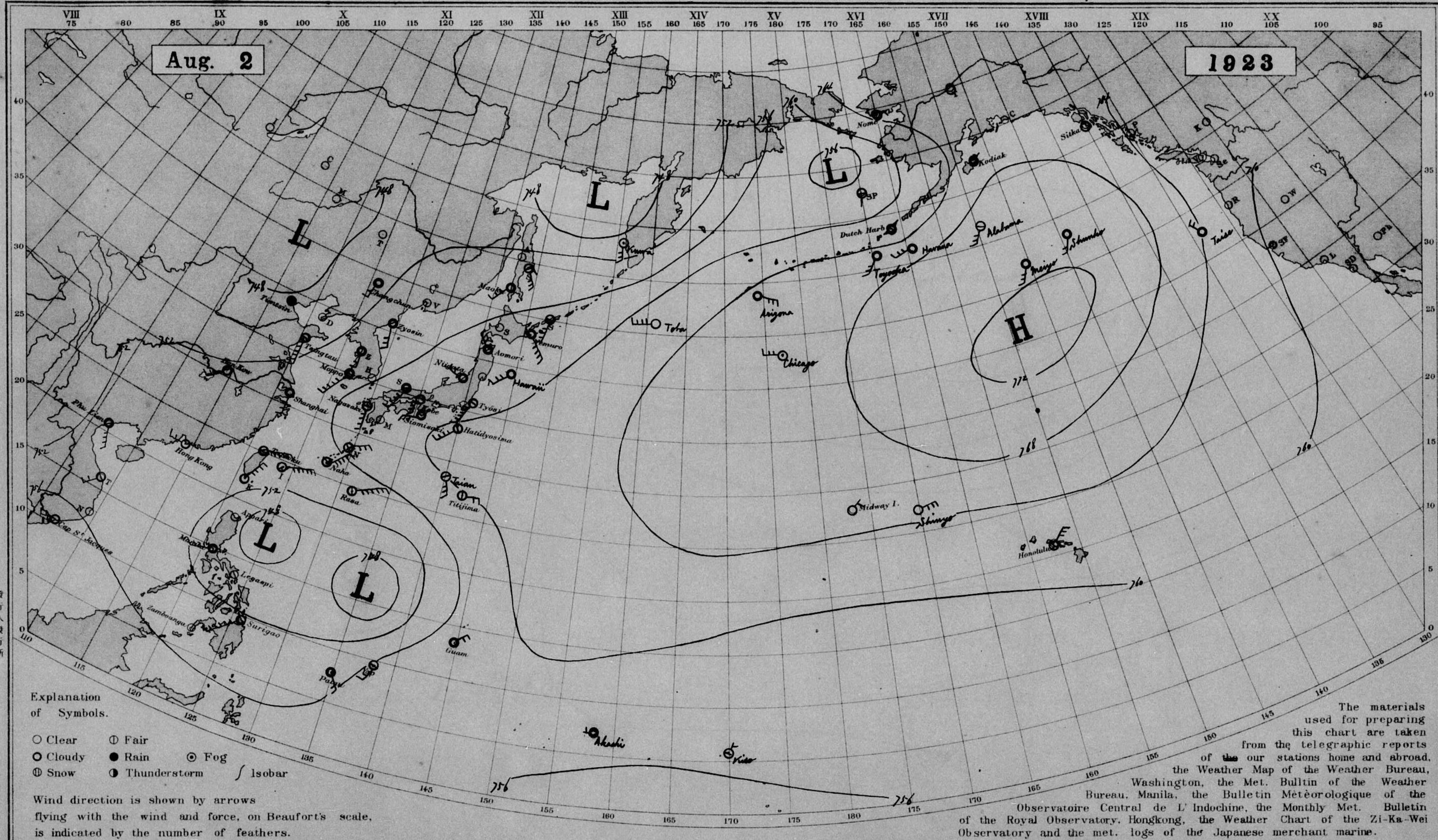


# DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the time of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 214



印行人發行所  
神戸市中山手通七丁目

海  
洋  
氣  
象  
臺

**Explanation of Symbols.**

- Clear      ⊕ Fair
- ☉ Cloudy    ● Rain      ⊙ Fog
- ⊖ Snow      ⊕ Thunderstorm

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

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

Station Hour of Observation	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	Kobe 12 <sup>h</sup> , 135 E	Tyosi 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 Std. Gr.)*	753.7	755.0	757.9	758.9	758.8	758.2	760.4	759.7	757.6	756.3	757.9	756.3	755.1	754.1	751.0	748.7	751.1
Air Temperature (in C)	33.6	32.2	29.5	29.1	30.6	26.9	29.7	30.8	29.2	26.4	17.8	21.5	27.4	22.1	26.3	-	26.6
Direction and Force of Winds (0-12)	ENE 6	NE 5	S 4	W 3	S 4	SSW 7	SW 4	E 2	WNW 2	NW 3	SE 4	SW 3	SW 5	S 3	SSW 2	calm	S 5
Weather	clear	fair	fair	cloudy	fair	fair	fair	fair	cloudy	cloudy	cloudy	cloudy	cloudy	cloudy	cloudy	rain	fair
Station Hour of Observation	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 Std. Gr.)*	754.3	754.4	754.5	757.4	755.3	752.3	755.2	757.6	758.4	754.8	759.4	761.5	764.5	765.0	765.5	763.0	766.6
Air Temperature (in C)	24.0	-	30.4	29.2	30.	31.	31.	-	-	29.	26.	24.	24.	17.	17.	9.	12.
Direction and Force of Winds (0-12)	S 3	SW 3	ENE 6	SE 2	W 2	WSW 4	SW 6	NE 2	SSW 2	SSE 4	WSW 2	NE 3	NE 1	E 1	calm	NE -	NE -
Weather	cloudy	clear	fair	cloudy	clear	rain	clear	cloudy	fair	cloudy	cloudy	fair	clear	cloudy	clear	cloudy	cloudy

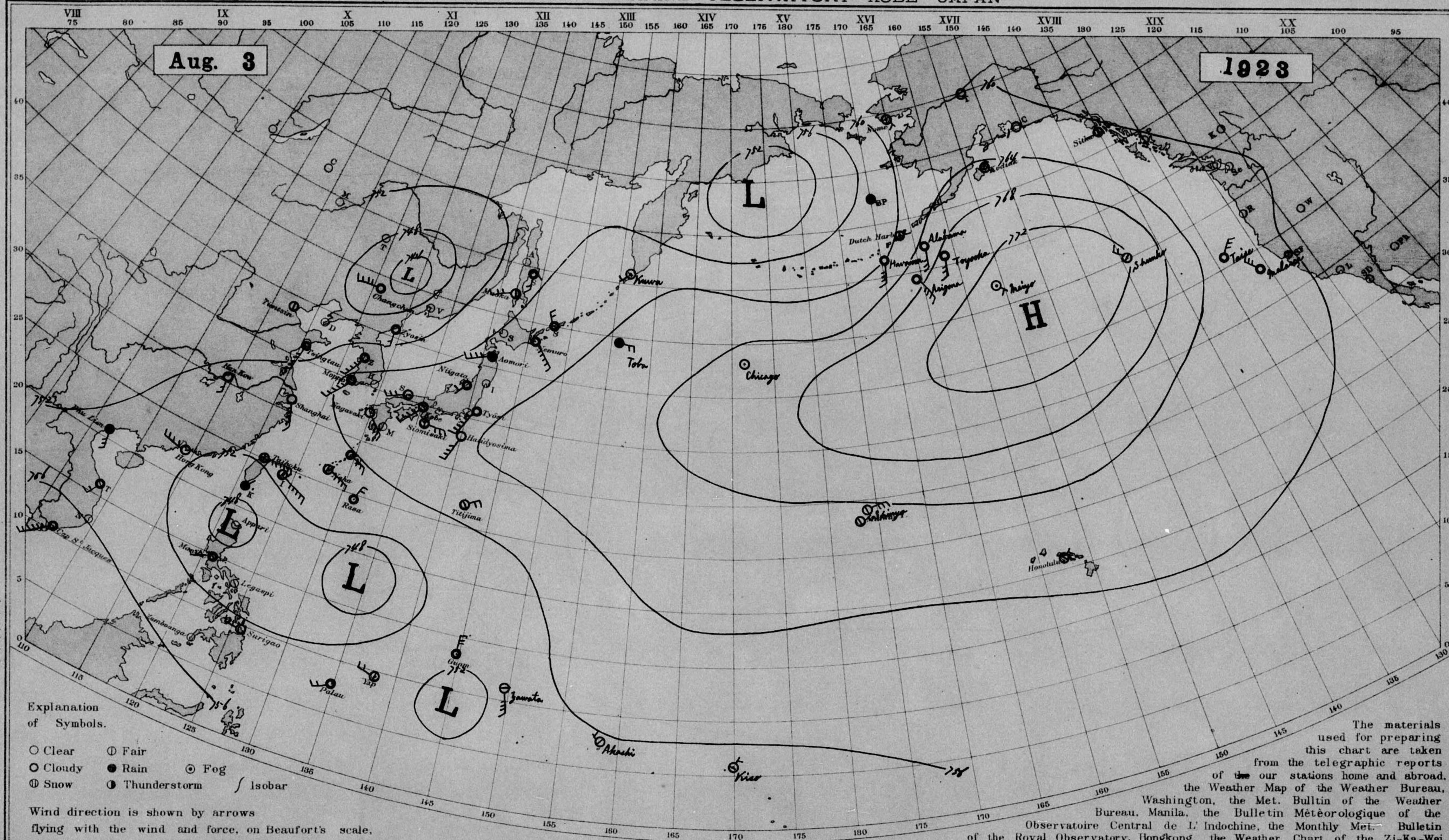


# DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the time of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 215



印行人發行所  
神戸市中山手通七丁目

海  
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 Hour of Observation	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	Kobe 12 <sup>h</sup> , 135 E	Tyosi 12 <sup>h</sup> , 135 E	Hatidyosima 12 <sup>h</sup> , 135 E	Titi zima 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 Srd. Gr. * not reduced to Srd. Gr.)	752.8	754.3	758.0	759.2	758.6	759.3	755.9	756.9	758.7	756.8	757.3	755.6	756.1	749.8	746.3	748.8	750.9
Air Temperature (in C)	32.3	31.5	31.3	29.6	31.2	28.0	29.9	32.2	29.3	27.5	17.3	20.6	28.0	23.2	24.1	-	27.9
Direction and Force of Winds (0-12)	E 6	ESE 4	SE 4	E 3	SW 4	SSW 6	SSW 4	ENE 2	SW 1	WSW 4	SE 5	WSW 3	SSW 5	S 2	W 4	calm	S 5
Weather	fair	fair	clear	fair	fair	cloudy	fair	fair	cloudy	rain	cloudy	fair	cloudy	cloudy	cloudy	fair	cloudy
Station Hour of Observation	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 Srd. Gr. * not reduced to Srd. Gr.)	754.5	753.3	754.5	757.1	752.3	*752.5	*755.4	*755.8	*757.6	*755.5	*759.1	761.0	763.5	762.5	762.0	761.0	764.5
Air Temperature (in C)	32.3	-	30.9	29.4	32.	30.	30.	-	-	26.	26.	24.	26.	16.	14.	11.	16.
Direction and Force of Winds (0-12)	SSE 5	S 2	NNE 2	WSW 2	W 4	WSW 3	W 3	N 3	WNW 2	SSE 3	SW 6	NE 1	NE 1	SE 1	W -	E -	SE -
Weather	clear	clear	cloudy	cloudy	clear	cloudy	clear	cloudy	fair	rain	cloudy	fair	fair	clear	fair	fair	fair

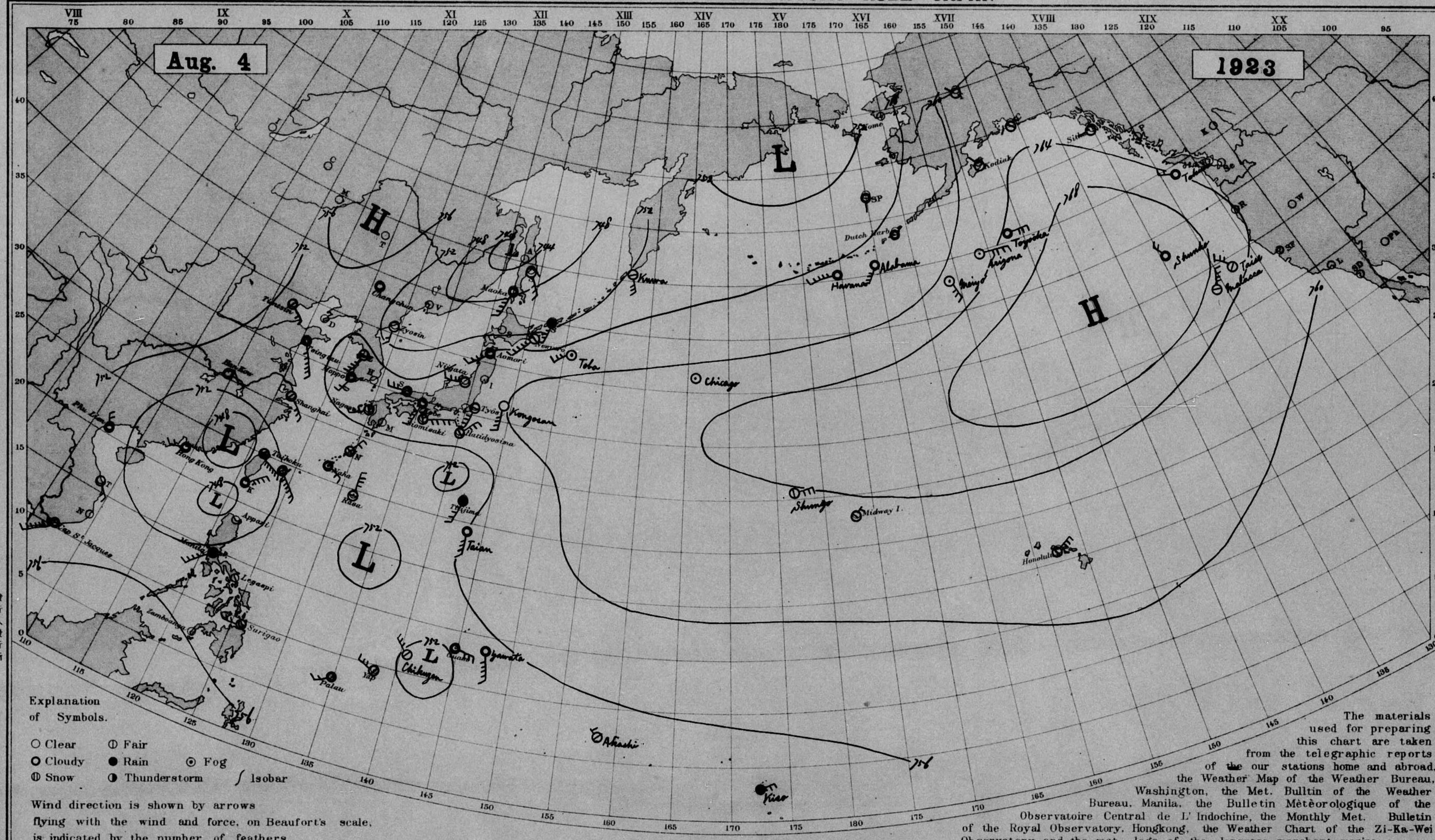


# DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the time of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 216



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. * not reduced to Strd. Gr.)	750.4	753.6	756.8	757.5	757.5	758.5	757.5	754.7	757.0	756.5	752.4	748.0	756.6	751.6	755.2	752.5	753.3
Air Temperature (in C)	33.1	30.5	30.5	28.4	31.7	29.4	30.0	24.8	30.6	25.4	21.8	17.5	30.7	24.6	18.6	-	27.2
Direction and Force of Winds (0-12)	ESE 6	ESE 2	WSW 3	ENE 5	SSW 4	SSW 4	NE 3	SSW 4	W 3	SW 4	SW 5	SSW 5	SSW 2	S 2	calm	SE 2	SSE 6
Weather	fair	cloudy	fair	fair	cloudy	fair	fair	rain	cloudy	cloudy	fair	cloudy	cloudy	clear	cloudy	fair	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.)	754.6	755.0	754.2	756.4	749.5	* 754.0	* 755.8	* 754.1	757.2	* 754.5	* 755.3	762.0	762.5	-	763.0	757.9	763.5
Air Temperature (in C)	32.5	-	30.3	27.1	34.	28.	30.	-	-	31.	26.	26.	24.	-	14.	11.	14.
Direction and Force of Winds (0-12)	SE 3	E 2	N 4	WSW 2	WSW 2	SW 5	W 3	ESE 3	WNW 3	NW 2	SW 6	NE 3	NE 1	-	W -	NE -	NW -
Weather	fair	clear	fair	cloudy	cloudy	rain	clear	cloudy	fair	cloudy	cloudy	fair	fair	-	fair	cloudy	clear

印 刷 入 販 行 所  
神 戶 市 中 山 手 通 七 丁 目

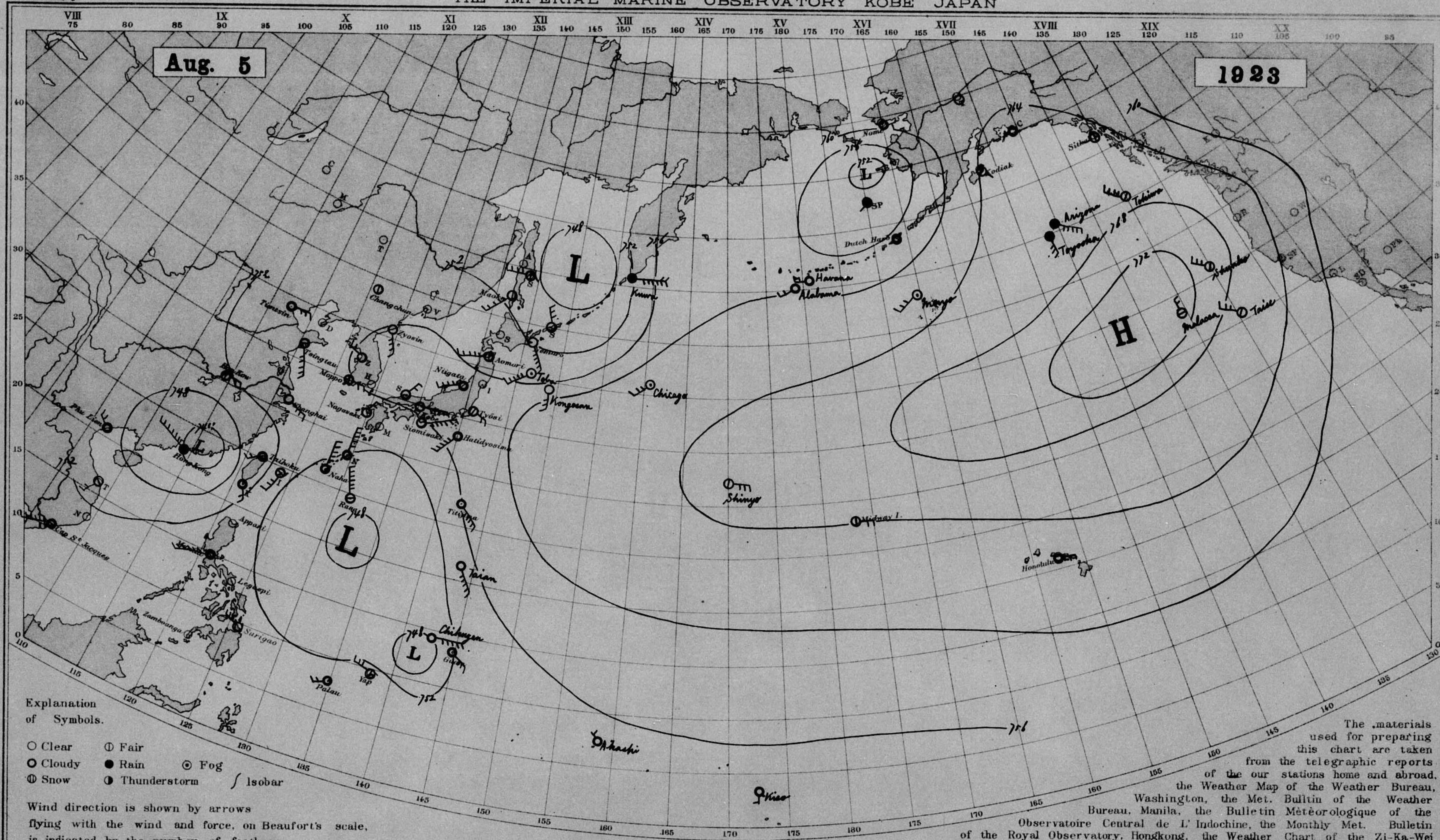


# DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the time of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 217



印 發  
刷 行  
人 發  
限 行  
會 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	Simi saki	Kôbe	Tyosi	Hatidyosima	Titi zima	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.)	751.9	751.4	755.3	755.5	755.6	757.7	757.3	756.4	756.7	754.6	752.0	751.3	755.9	756.0	755.4	754.8	755.3
Air Temperature (in C)	33.0	31.1	32.8	28.8	27.2	28.8	28.8	28.0	30.0	24.4	19.4	17.3	30.0	25.5	25.2	-	27.4
Direction and Force of Winds (0-12)	SW 2	N 5	NNE 2	ENE 6	E 5	ESE 2	SW 5	SE 5	WSW 6	WSW 5	SSE 5	SW 5	E 2	SSE 4	calm	E 3	SSE 5
Weather	cloudy	cloudy	clear	clear	clear	fair	cloudy	cloudy	cloudy	fair	clear	clear	fair	clear	fair	cloudy	fair
Station	Shanghai	Hankow	Rusa	Palau	Hongkong	Manila	Surigao	Guam	Yap	Phu-Lien	Cap-S-Jacques	Honolulu	Midway I.	Nome	Sitka	Dutch Harbor	Kodiak
Hour of Observation	12 <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.)	755.1	752.1	749.7	755.1	743.9	* 754.6	* 755.6	* 753.7	* 754.9	* 751.6	* 756.7	762.5	764.0	762.0	764.5	757.4	764.0
Air Temperature (in C)	31.6	-	30.1	27.5	27.	30.	30.	-	-	32.	26.	23.	27.	16.	14.	11.	12.
Direction and Force of Winds (0-12)	ESE 4	E 2	NNW 6	WSW 2	WNW 6	WSW 6	WNW 3	SE 3	WNW 3	WNW 2	WSW 6	E 2	E 2	E 1	W -	calm	SE -
Weather	fair	fair	fair	cloudy	rain	cloudy	clear	cloudy	fair	cloudy	cloudy	cloudy	fair	cloudy	fair	cloudy	fair

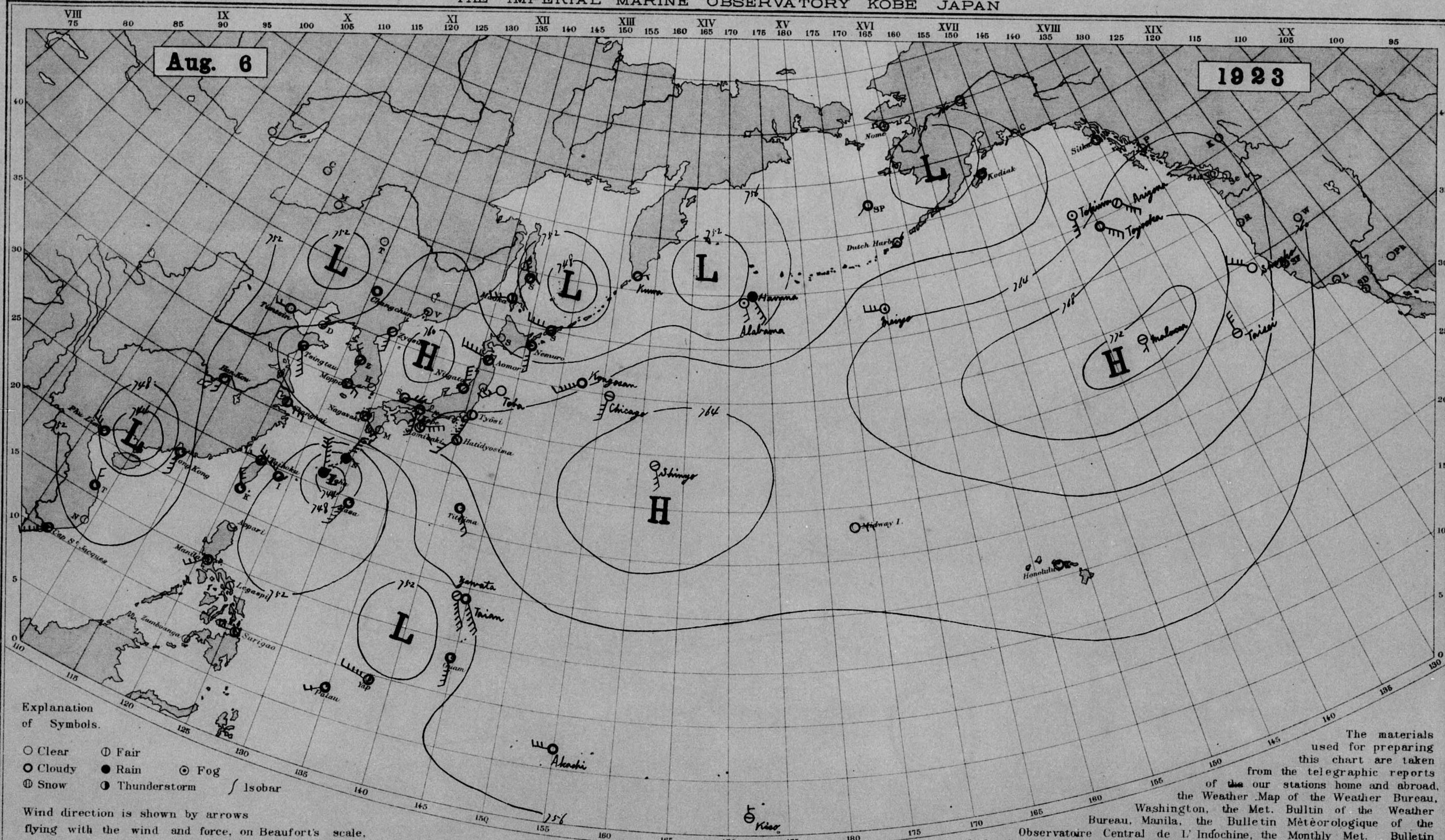


# DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the time of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 218



印 發  
 刷 行  
 人 販  
 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

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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	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.)*	753.4	742.2	755.7	759.5	759.1	760.0	760.2	759.8	759.6	758.6	754.1	752.5	756.4	758.0	755.3	755.7	757.1
Air Temperature (in C)	31.6	27.0	31.8	28.5	33.3	29.4	29.2	29.3	29.2	21.4	22.7	20.2	32.3	26.4	23.4	-	27.2
Direction and Force of Winds (0-12)	W 2	NNW 9	SE 4	ENE 4	S 4	SSW 5	SW 3	SSE 4	N 4	NNW 5	S 4	WSW 3	ESE 2	S 3	calm	W 2	SSE 4
Weather	fair	rain	fair	fair	clear	clear	fair	cloudy	cloudy	fair	cloudy	fair	clear	clear	cloudy	clear	fair
Station	Shanghai	Hankow	Rasa	Palau	Hongkong	Manila	Surigao	Guam	Yap	Phu-Lien	Cap-S-Jacques	Honolulu	Midway I.	Nome	Sitka	Dutch Harbor	Kodiak
Hour of Observation	12 <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.)*	755.4	755.0	747.5	754.6	751.7	* 754.9	* 755.6	* 755.3	* 754.6	* 750.7	* 756.5	762.5	762.0	758.4	762.0	759.5	755.9
Air Temperature (in C)	31.2	-	29.1	26.7	29.	29.	30.	-	-	30.	29.	26.	27.	19.	13.	10.	6.
Direction and Force of Winds (0-12)	ESE 3	S 2	SSW 5	WSW 2	S 4	SW 3	W 2	S 4	WNW 5	WNW 3	SW 4	E 1	E 2	W 1	W -	NE -	SW -
Weather	fair	clear	cloudy	cloudy	cloudy	fair	fair	cloudy	fair	cloudy	fog	fair	clear	clear	clear	fair	cloudy

日 六 月 八 年 二 十 正 大

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號 八 十 二 第

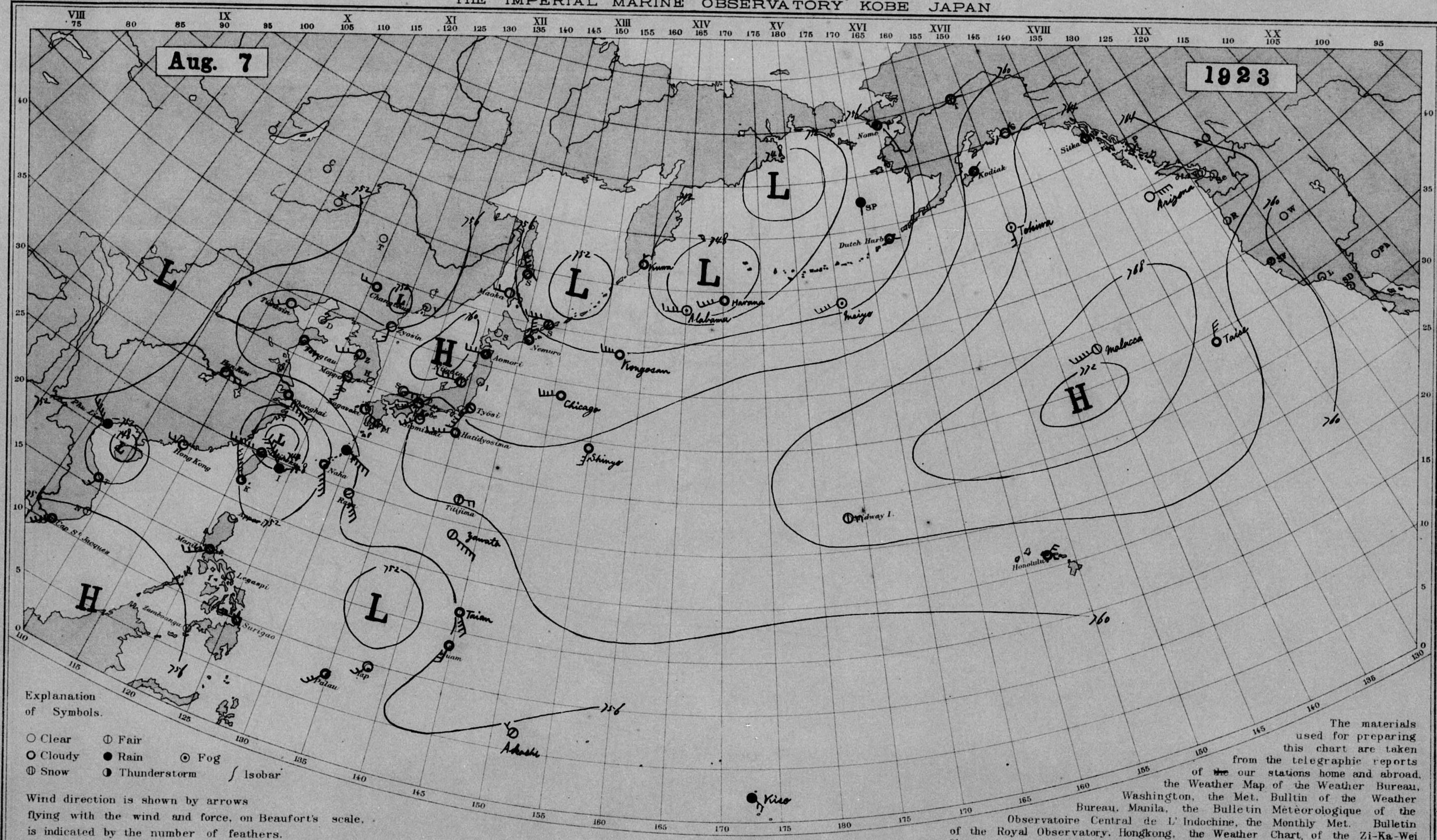


# DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the time of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 219



Explanation of Symbols.

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

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

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

Station	Taihoku	Naha	Nagasaki	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.)*	747.1	751.8	758.3	760.5	760.6	758.7	760.8	760.1	759.7	759.8	758.2	756.4	757.9	755.9	755.1	757.5	757.6
Air Temperature (in C)	28.4	30.7	31.6	28.5	32.0	29.0	29.8	30.7	30.9	28.5	23.1	21.6	24.9	24.9	24.7	-	27.7
Direction and Force of Winds (0-12)	W 6	SSE 5	ESE 4	SW 3	SW 3	SSW 5	WSW 4	E 2	W 4	W 3	N 4	W 2	S 4	S 2	W 2	SW 2	ESE 4
Weather	cloudy	cloudy	clear	clear	clear	fair	cloudy	fair	fair	cloudy	cloudy	clear	clear	clear	cloudy	clear	cloudy
Station	Shanghai	Hankow	Rassa	Palau	Hongkong	Manila	Surigao	Guam	Yap	Phu-Lien	Cap-S-Jacques	Honolulu	Midway I.	Nome	Sitka	Dutch Harbor	Kodiak
Hour of Observation	12 <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.)*	753.2	754.7	756.2	755.8	752.6	*755.0	*755.8	*757.7	*756.9	*752.0	*757.9	762.5	764.5	755.9	764.5	755.4	760.5
Air Temperature (in C)	30.4	-	30.4	28.6	30.	28.	30.	-	-	25.	25.	24.	27.	17.	13.	10.	-
Direction and Force of Winds (0-12)	ESE 7	E 2	SE 4	SW 3	W 2	SW 4	W 3	SSW 3	SW 2	NW 5	SW 4	NE 2	E 2	E 1	calm	E -	NE -
Weather	cloudy	clear	fair	cloudy	clear	cloudy	cloudy	cloudy	rain	rain	cloudy	cloudy	fair	cloudy	cloudy	cloudy	cloudy

日七月八年二十正大

圖氣天洋平大北

號九十一第

發行所  
印刷所  
神戸市中山手通七丁目

海  
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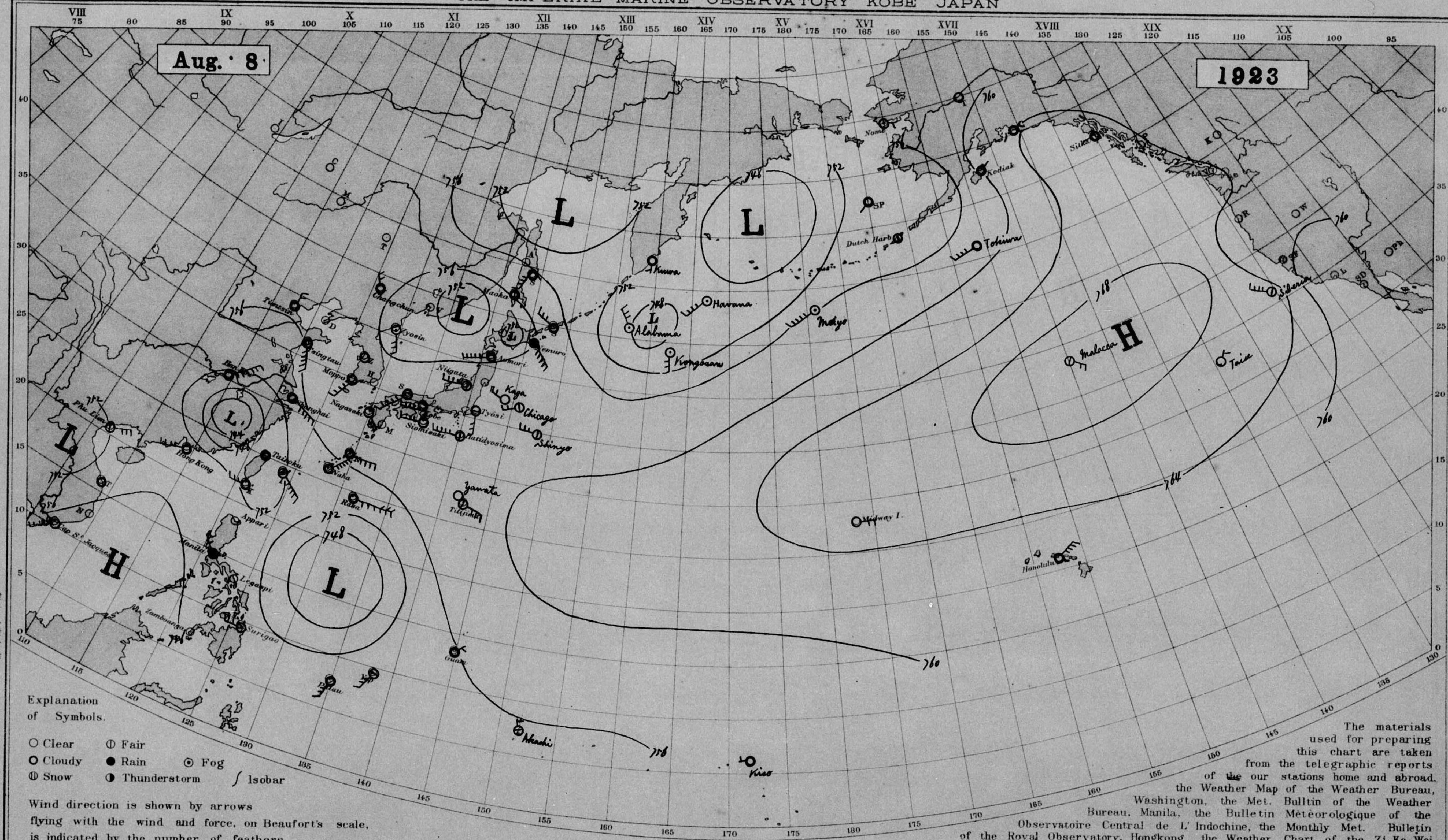


# DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the time of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 220



印行人發行所  
神戶市中山手通七丁目

Explanation of Symbols.

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

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

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

Station	Taihoku	Naha	Nagasaki	Siomisaki	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 Srd. Gr. * not reduced to Srd. Gr.)	750.8	754.4	759.3	758.5	758.4	757.1	758.7	759.3	757.9	755.2	756.7	756.1	759.7	753.8	757.2	756.1	757.0
Air Temperature (in C)	31.4	30.7	31.5	30.2	32.8	31.2	30.2	30.2	32.5	20.8	17.2	19.3	32.5	24.8	21.6	-	27.8
Direction and Force of Winds (0-12)	calm	NE 5	SE 3	W 4	W 4	S 3	W 5	ESE 3	W 4	WSW 5	SE 5	calm	SSW 4	SSE 3	NNW 2	N 2	SSE 5
Weather	cloudy	cloudy	clear	clear	clear	fair	fair	fair	fair	cloudy	rain	cloudy	clear	fog	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 Srd. Gr. * not reduced to Srd. Gr.)	753.3	750.9	752.7	756.5	751.1	* 755.6	* 755.4	* 757.5	* 757.9	* 753.8	* 759.0	761.0	765.0	756.4	764.5	752.8	760.5
Air Temperature (in C)	29.3	-	29.2	27.8	30.	23.	31.	-	-	30.	26.	26.	27.	14.	14.	11.	-
Direction and Force of Winds (0-12)	ESE 5	NE 6	E 9	SSW 3	WSW 4	NW 3	W 3	NE 1	SW 3	ENE 3	SW 4	NE 4	E 2	E 1	W -	calm	NE -
Weather	cloudy	cloudy	cloudy	cloudy	cloudy	rain	clear	cloudy	fair	fair	fair	cloudy	clear	cloudy	cloudy	fair	cloudy

日八月八年二十正大

圖氣天洋平大北

號十二百二第

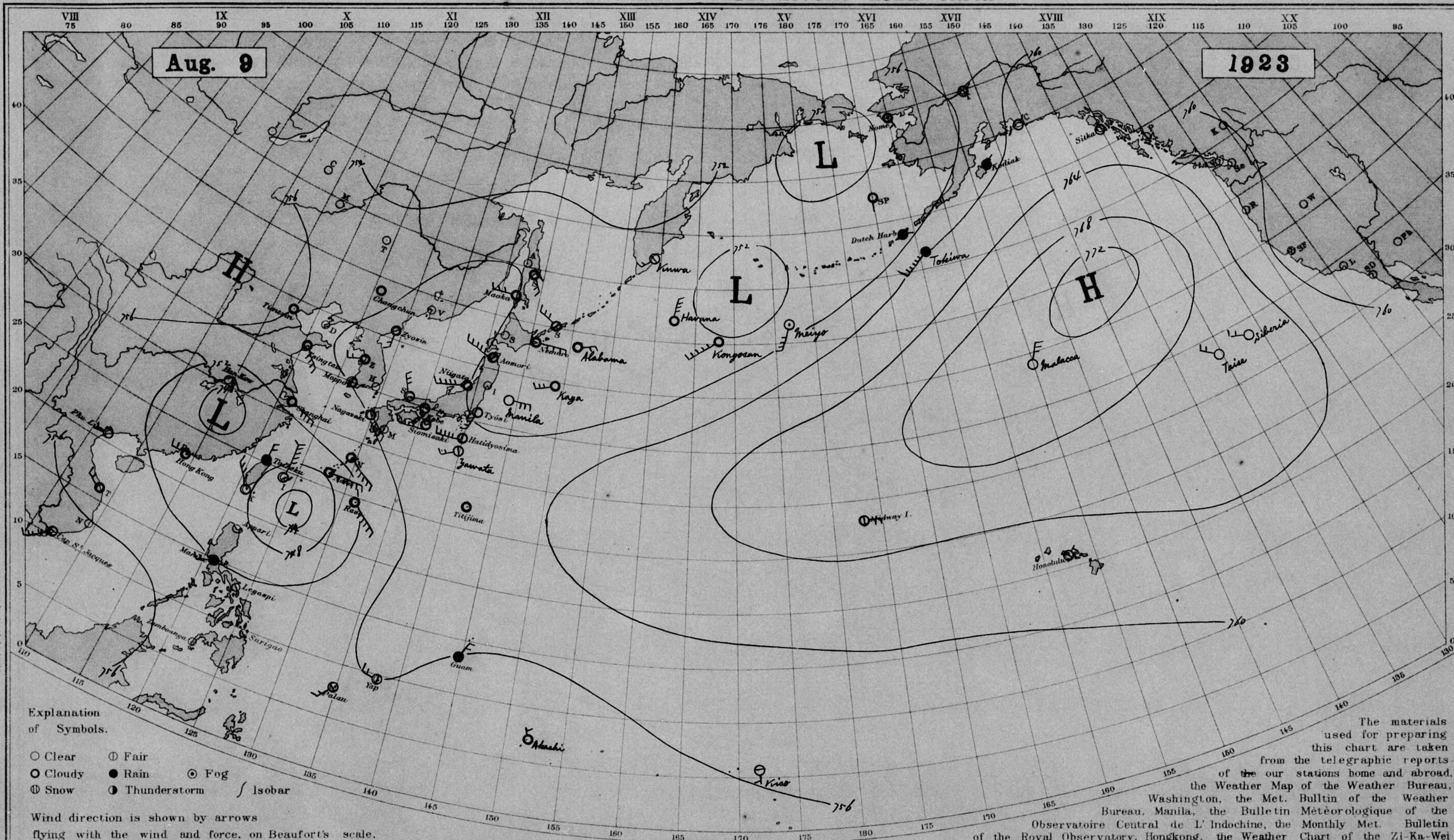


# DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the time of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 221



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.)	749.8	748.3	756.6	757.3	756.8	755.1	768.0	768.5	756.9	755.3	756.7	757.0	756.3	757.6	755.0	756.1	755.0
Air Temperature (in C)	29.6	30.9	31.4	29.6	33.4	29.5	29.7	30.8	30.6	25.9	15.0	19.4	32.0	27.0	25.2	-	27.5
Direction and Force of Winds (0-12)	N 2	E 6	SE 4	W 5	SSW 5	SSW 3	W 5	calm	WSW 5	WNW 5	E 4	W 3	calm	S 2	calm	calm	SE 4
Weather	rain	cloudy	clear	fair	fair	clear	fair	cloudy	cloudy	fair	cloudy	cloudy	fair	cloudy	cloudy	cloudy	cloudy
Station	Shanghai	Hankow	Rusa	Pulau	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.)	753.0	-	752.7	756.1	749.3	* 752.6	* -	* 757.6	* 757.9	* 753.0	* 759.0	762.0	765.0	753.9	762.0	755.4	757.4
Air Temperature (in C)	29.9	-	30.2	29.6	32.	26.	-	-	-	30.	26.	26.	26.	14.	14.	12.	11.
Direction and Force of Winds (0-12)	ESE 4	-	SE 5	SW 2	W 2	WSW 2	-	NE 2	WNW 2	WSW 1	SW 4	NE 1	E 2	SE 1	calm	E -	NE -
Weather	cloudy	-	cloudy	fair	cloudy	rain	-	rain	fair	clear	cloudy	fair	fair	cloudy	clear	rain	rain

印行人販行所  
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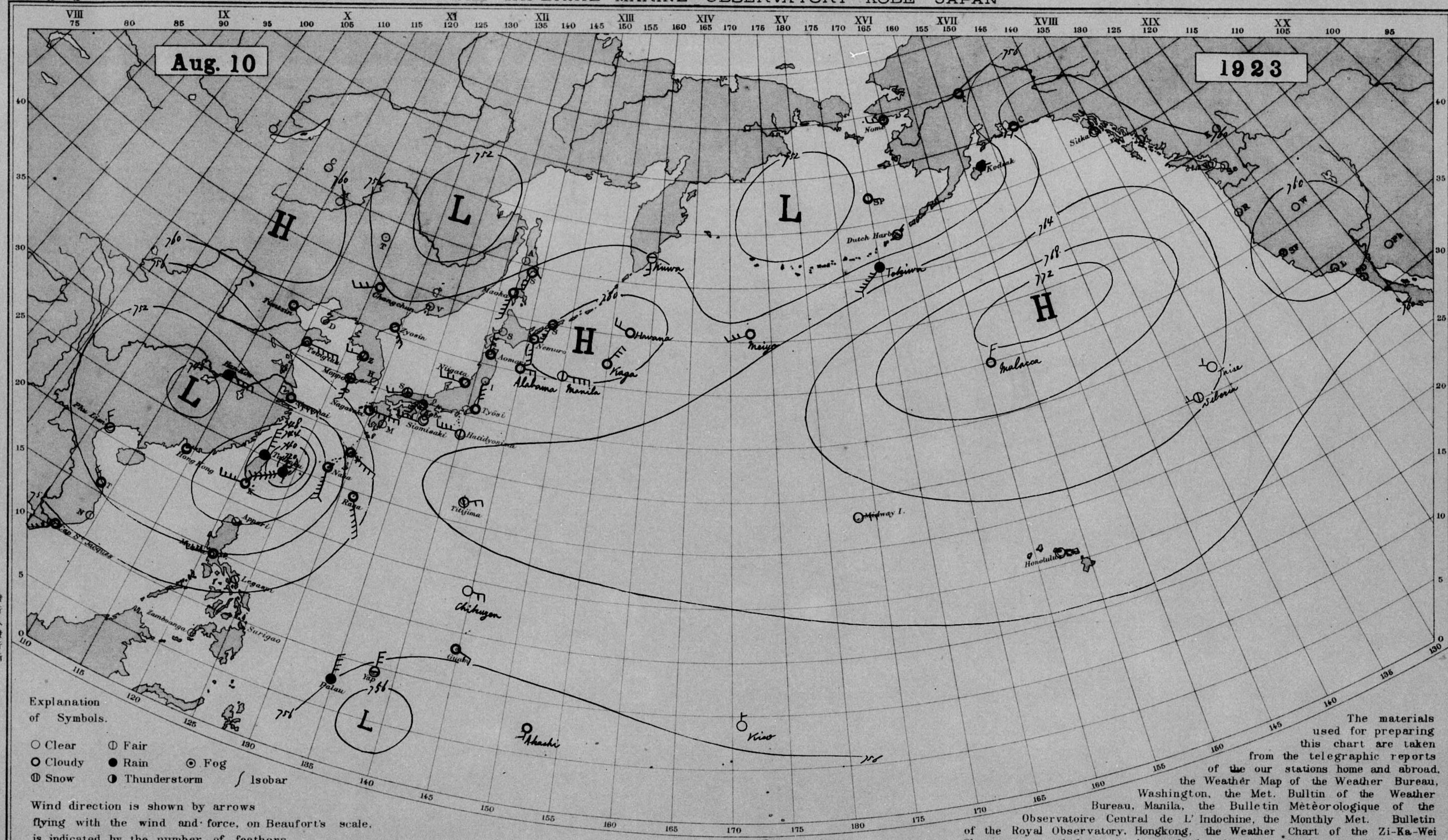


# DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the time of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 222



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

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. * not reduced to Srd. Gr.)	740.9	748.1	757.0	759.4	759.2	758.8	759.8	760.2	758.4	758.4	760.5	757.4	756.9	757.3	756.3	757.3	756.4
Air Temperature (in C)	26.2	29.0	31.8	30.2	32.3	24.6	30.7	31.4	31.2	26.2	15.9	20.4	33.0	25.6	25.5	-	28.4
Direction and Force of Winds (0-12)	N 5	S 7	E 5	W 4	SSW 4	N 4	W 4	ENE 2	W 3	N 3	S 4	SSW 5	S 3	SE 3	WSW 3	calm	E 5
Weather	rain	cloudy	cloudy	clear	fair	cloudy	fair	fair	cloudy	cloudy	cloudy	cloudy	fair	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 Srd. Gr. * not reduced to Srd. Gr.)	752.6	749.1	754.6	758.0	748.1	* 753.1	* -	* 757.3	* 758.2	* 750.7	* 757.9	761.5	763.0	753.9	760.5	753.9	754.4
Air Temperature (in C)	29.6	-	29.4	24.2	29.	29.	-	-	-	31.	26.	26.	26.	11.	17.	17.	8.
Direction and Force of Winds (0-12)	E 5	E 4	SSE 6	N 4	calm	WSW 4	-	ESE 2	N 3	NW 2	SW 4	E 2	E 2	W 2	N -	NE -	E -
Weather	cloudy	rain	cloudy	rain	cloudy	cloudy	-	fair	fair	fair	cloudy	clear	clear	cloudy	clear	fair	rain

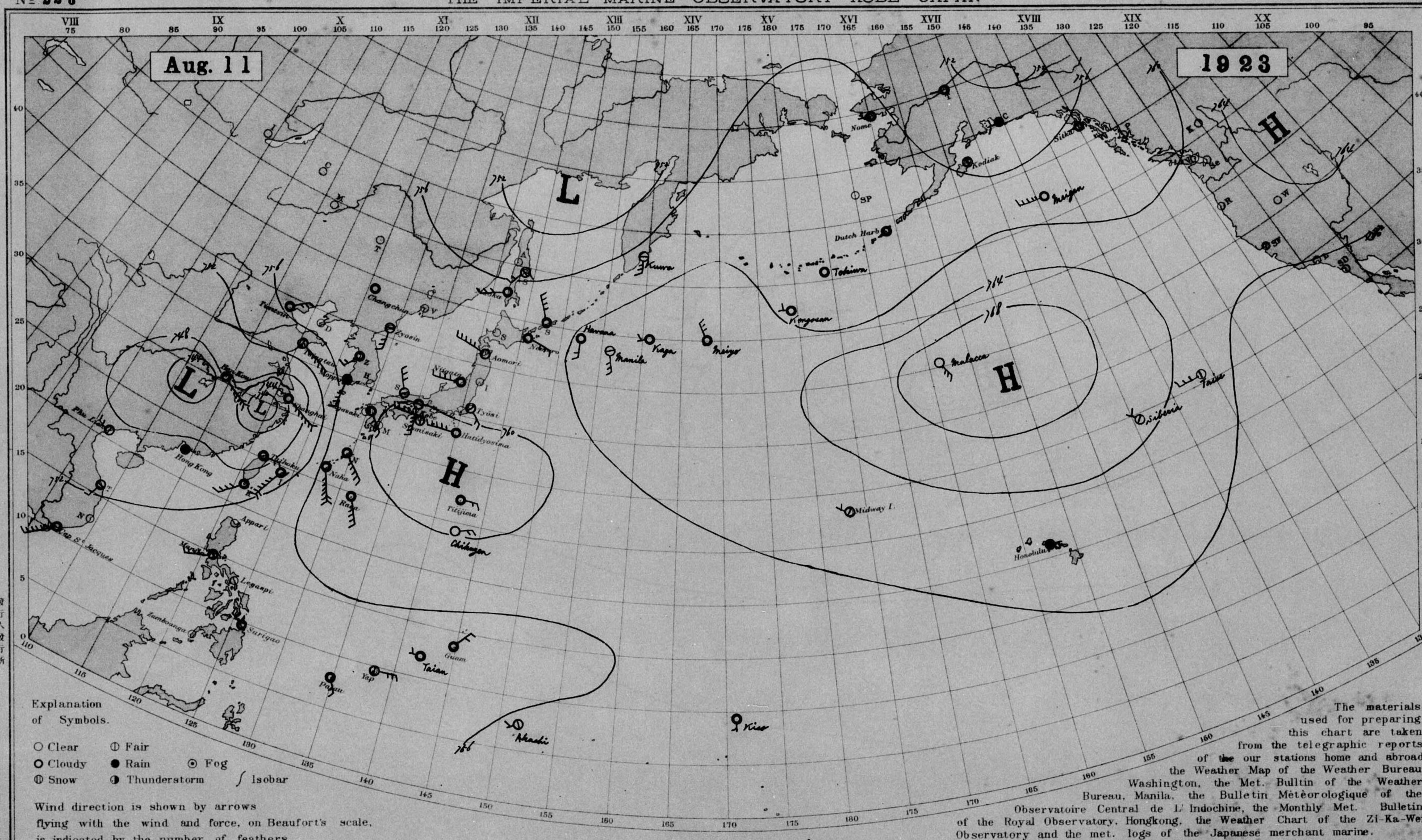


# DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the time of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 223



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	Tyos	Hatidyosima	Titizima	Niigata	Aomori	Nemuro	Maoka	Moppe	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.)*	747.4	755.7	759.9	760.8	760.5	758.5	760.7	760.7	759.5	758.1	757.0	756.5	758.3	759.6	757.8	756.4	754.1	
Air Temperature (in C)	28.1	29.3	28.5	30.1	32.2	28.8	30.1	31.0	30.6	27.1	16.0	13.4	25.3	26.8	26.5	-	27.7	
Direction and Force of Winds (0-12)	E 2	SSE 3	SE 4	W 5	S 5	SE 2	W 5	E 2	WSW 4	WNW 5	ESE 3	WSW 3	S 4	S 2	calm	NE 3	ESE 6	
Weather	cloudy	cloudy	cloudy	fair	clear	fair	cloudy	cloudy	clear	cloudy	cloudy	cloudy	rain	fair	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.)*	747.7	748.7	759.2	756.9	749.9	*755.9	*756.7	*755.6	*757.4	*750.4	*757.7	762.5	762.5	757.4	757.9	757.4	755.4	
Air Temperature (in C)	27.2	-	28.5	27.6	26.	28.	30.	-	-	33.	27.	24.	26.	11.	13.	11.	14.	
Direction and Force of Winds (0-12)	ESE 7	ESE 3	SSE 4	SSE 2	calm	WSW 4	WNW 2	NE 2	E 3	WNW 2	SW 6	E 1	NW 1	W 1	W -	calm	calm	
Weather	cloudy	cloudy	cloudy	cloudy	rain	fair	cloudy	cloudy	fair	fair	cloudy	rain	fair	cloudy	cloudy	cloudy	cloudy	fair

印 發 行 人 販 賣 所  
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海 洋 氣 象 臺

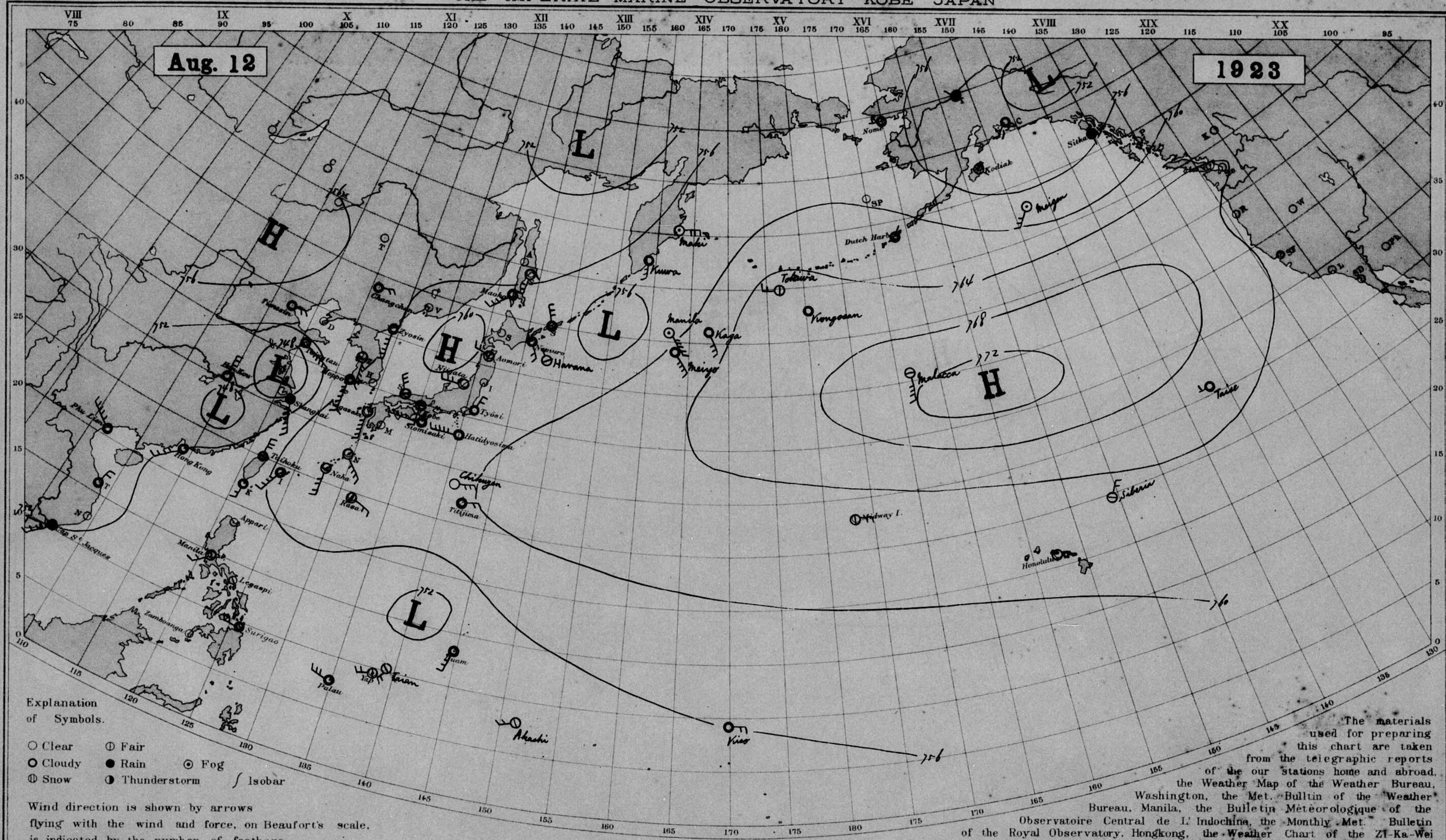


# DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the time of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 224



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	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 Strd. Gr. * not reduced to Strd. Gr.)	764.0	758.7	759.8	759.1	758.5	759.0	758.8	759.3	759.4	759.6	758.3	757.3	755.7	755.9	754.2	751.7	748.2
Air Temperature (in C)	30.4	31.3	29.7	30.1	32.6	25.6	30.6	30.9	31.0	27.6	19.2	19.4	29.7	25.2	21.5	-	26.6
Direction and Force of Winds (0-12)	N 3	S 4	S 5	W 5	S 3	NNE 2	W 5	ENE 2	W 3	WNW 2	SSE 2	SW 4	S 7	S 5	ENE 2	E 2	ESE 6
Weather	cloudy	fair	clear	cloudy	fair	cloudy	cloudy	cloudy	clear	fair	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. * not reduced to Strd. Gr.)	747.9	750.0	760.2	756.4	752.9	*756.6	*757.6	*756.8	*757.0	*751.9	*757.9	762.0	762.0	757.9	755.9	762.0	753.4
Air Temperature (in C)	26.7	-	29.9	27.4	29.	30.	27.	-	-	25.	27.	24.	26.	9.	13.	10.	17.
Direction and Force of Winds (0-12)	SSE 6	N 3	ESE 2	WNW 3	SW 4	SW 2	W 2	SSW 3	W 2	WNW 5	SW 4	E 1	E 2	W 1	S -	NE -	SE -
Weather	rain	cloudy	fair	cloudy	cloudy	fair	cloudy	cloudy	fair	cloudy	rain	clear	fair	cloudy	rain	cloudy	fair

日 = 十月八年一十正大

圖氣天洋平大北

號四十一百一第

印發行人發行所  
 紳戶市中山手通七丁目  
 海  
 氣  
 象  
 臺

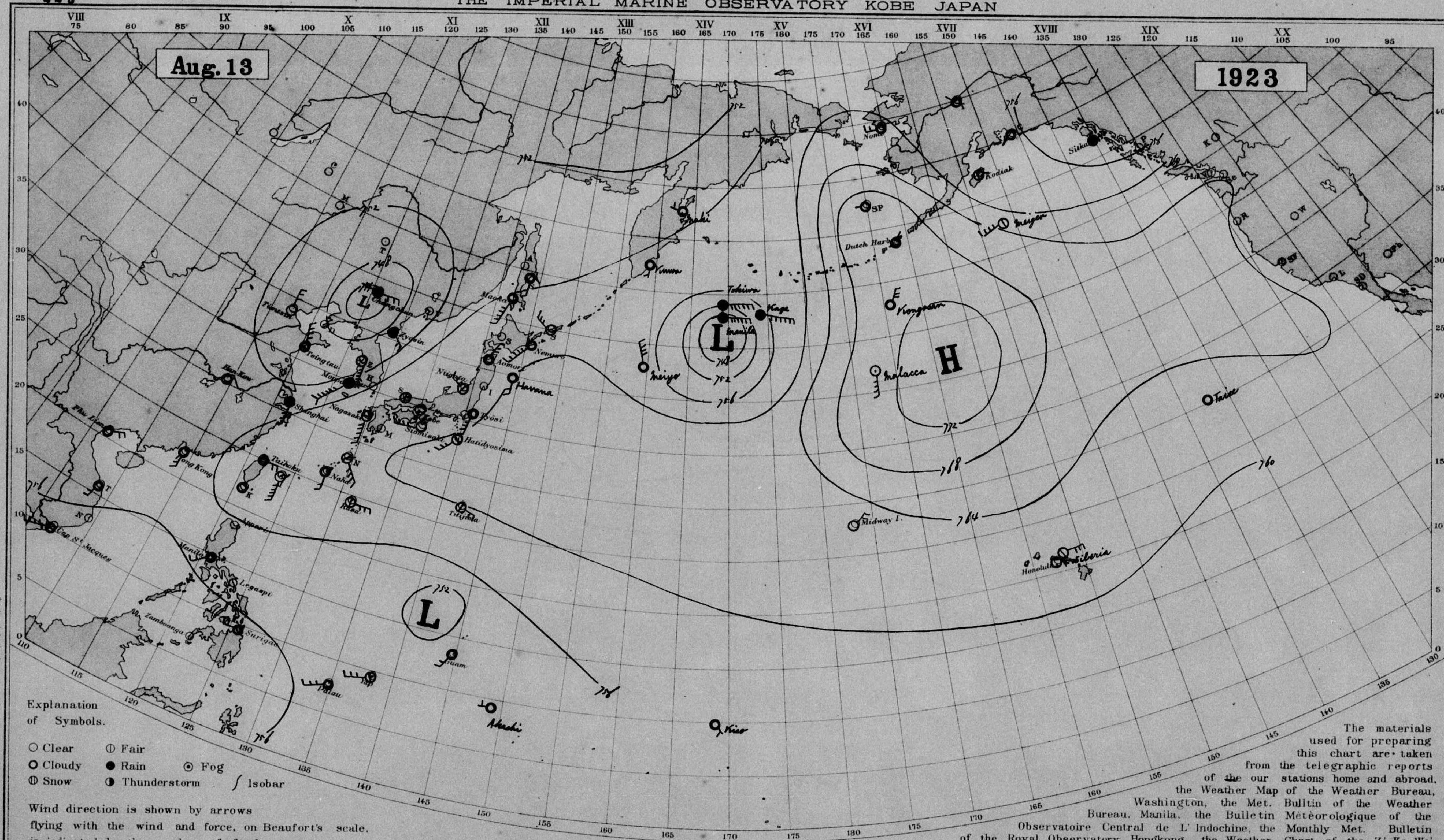


# DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the time of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No. 225



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. * not reduced to Strd. Gr.)	757.6	759.5	760.0	759.8	759.2	759.5	760.2	759.9	759.7	759.2	759.6	757.2	755.1	751.1	743.6	749.7	750.7
Air Temperature (in C)	29.6	30.7	29.1	30.6	33.2	29.6	30.1	31.3	32.4	24.6	21.1	21.0	26.6	24.8	21.2	-	25.9
Direction and Force of Winds (0-12)	E 2	S 2	S 5	W 4	S 3	SSW 4	SW 3	ESE 2	WNW 2	NNE 3	SW 5	SSW 5	SSW 7	SE 2	E 3	N 3	NNW 4
Weather	cloudy	cloudy	fair	fair	clear	cloudy	fair	fair	fair	cloudy	cloudy	cloudy	rain	rain	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.)	754.4	755.1	760.1	757.9	755.3	*757.2	*758.0	*757.1	*757.7	*753.5	*758.6	762.0	762.0	761.5	754.4	768.6	756.9
Air Temperature (in C)	27.0	-	30.0	28.0	28.	28.	28.	-	-	26.	25.	24.	26.	10.	13.	9.	16.
Direction and Force of Winds (0-12)	S 3	calm	E 3	WSW 3	S 2	SW 2	W 2	SW 2	WSW 3	ENE 2	WSW 4	E 1	NE 2	W 2	E -	NE -	W -
Weather	rain	clear	fair	cloudy	cloudy	cloudy	cloudy	cloudy	fair	cloudy	cloudy	clear	clear	cloudy	rain	cloudy	fair

日三十月八年二十正大

圖氣天洋平大北

號五十四百二第

印發行人發行所  
 紳戶市中山手通七丁目  
 海  
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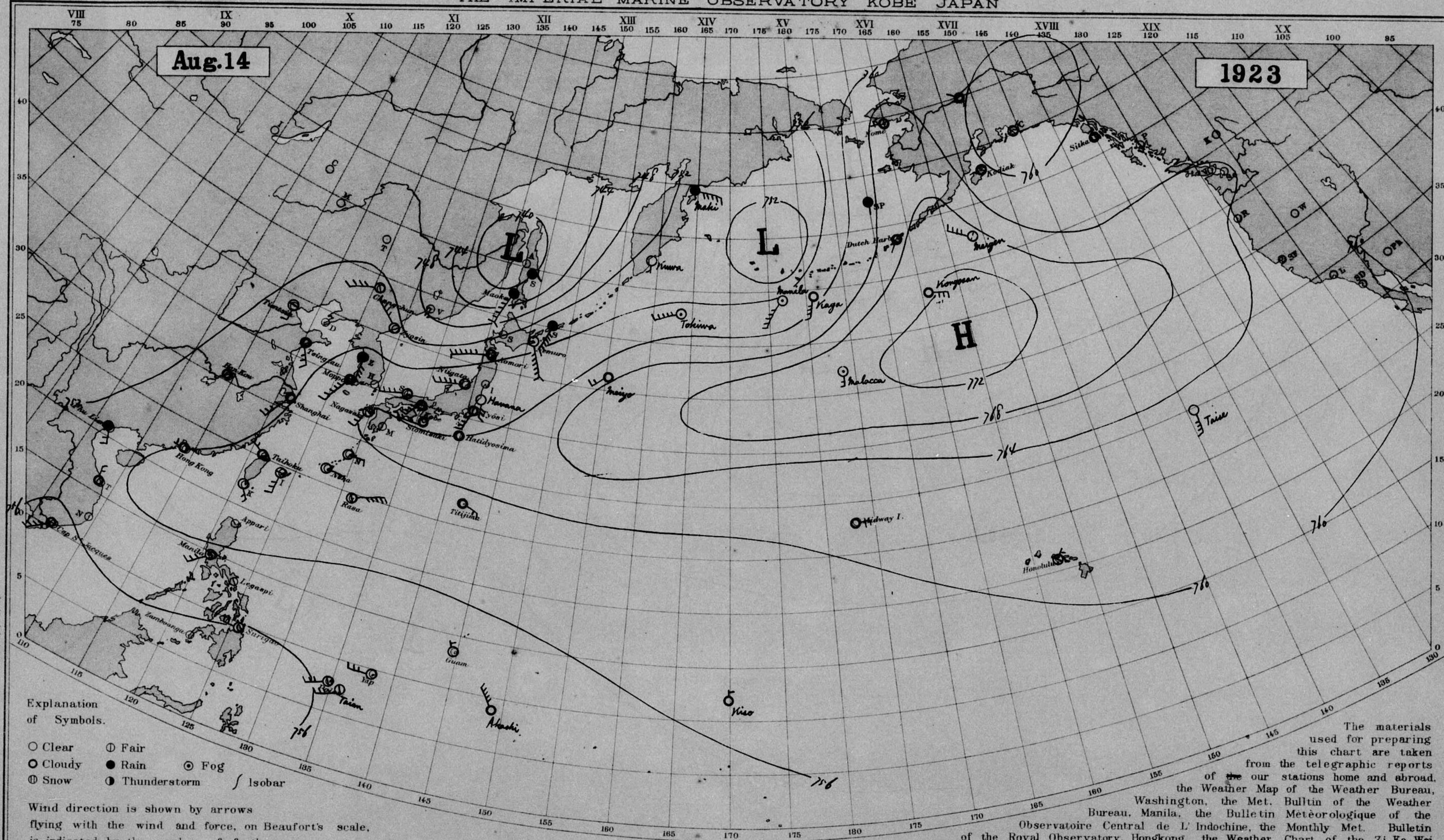


# DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the time of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 226



Aug. 14

1923

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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	Titi zima	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 Stnd. Gr. * not reduced to Stnd. Gr.)	758.6	761.9	760.2	759.5	759.5	758.2	760.0	759.6	758.7	755.1	752.7	742.7	757.3	752.8	752.8	754.6	755.2
Air Temperature (in C)	30.5	31.4	30.3	29.9	32.6	30.0	30.8	31.4	33.6	30.1	17.4	21.5	28.7	32.1	27.1	-	26.1
Direction and Force of Winds (0-12)	WNW 2	E 3	SSW 3	W 4	SSW 4	SSW 4	W 4	ESE 2	WSW 5	WSW 7	SSE 7	SSW 7	SSW 5	NW 5	WSW 4	S 2	SSE 3
Weather	cloudy	clear	fair	cloudy	cloudy	cloudy	cloudy	cloudy	fair	cloudy	fog	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 Stnd. Gr. * not reduced to Stnd. Gr.)	755.8	754.9	759.3	757.6	757.1	* 757.9	* 758.1	* 757.0	* 758.0	* 754.8	* 759.2	761.0	761.5	765.0	761.0	767.1	759.5
Air Temperature (in C)	30.2	-	29.9	29.0	26.	31.	30.	-	-	26.	26.	24.	24.	10.	13.	11.	16.
Direction and Force of Winds (0-12)	SSW 4	calm	ENE 5	WSW 3	W 1	SW 3	W 2	NNW 1	W 3	SSE 2	SW 4	NE 1	E 2	W 1	calm	SW -	W -
Weather	cloudy	cloudy	fair	fair	cloudy	fair	clear	clear	fair	rain	cloudy	fair	cloudy	cloudy	cloudy	cloudy	clear

日 四 十 月 八 年 十 正 大

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號 六 十 三 一 第

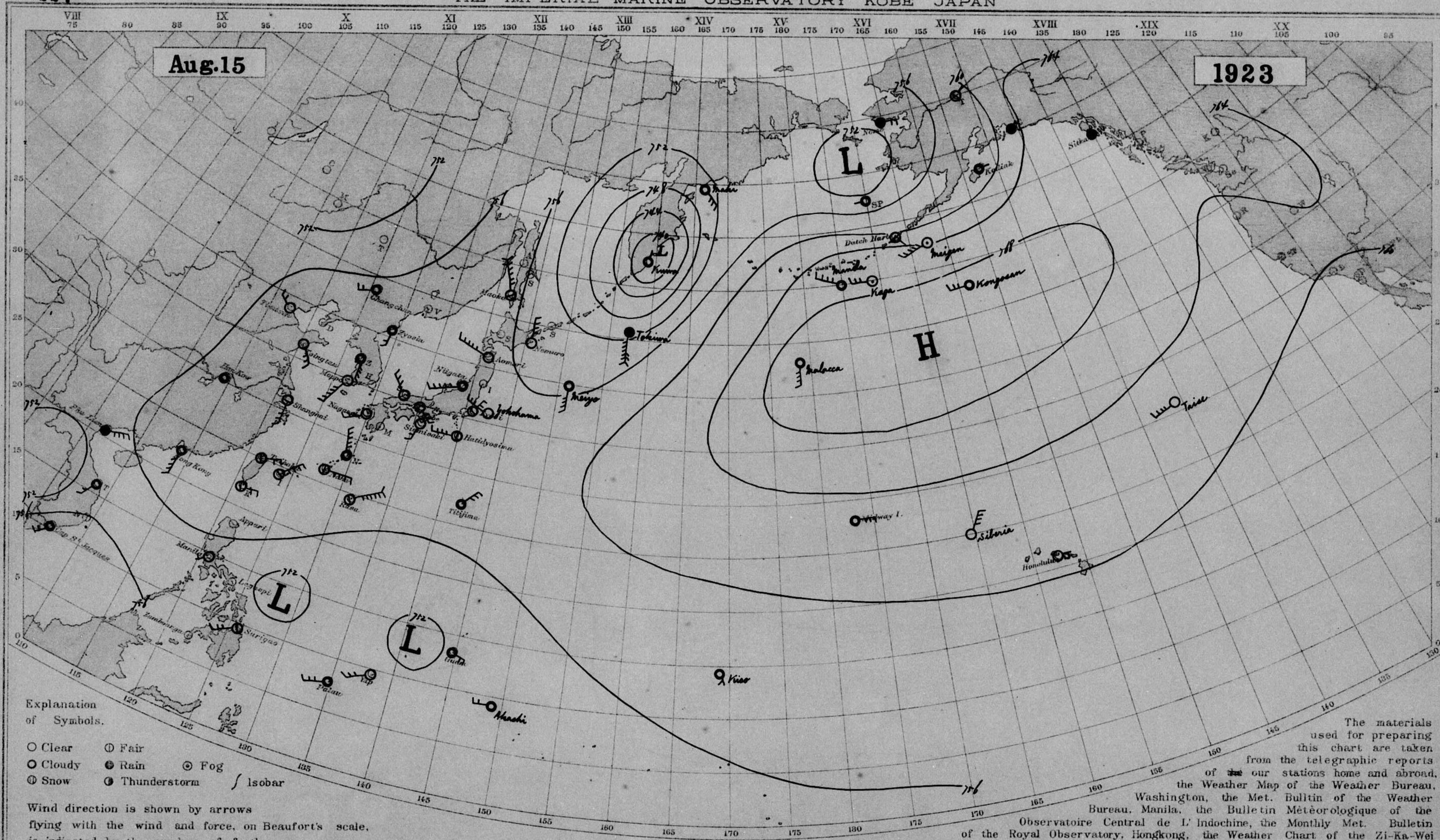


# DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the time of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No. 227



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	Hatidyosima	Titizima	Niigata	Aomori	Nemuro	Maoka	Moppo	Zyosin	Changchun	Tientsin	Tsingtao
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.)	757.9	758.6	760.0	758.5	759.1	757.7	758.2	758.8	759.3	758.0	753.2	757.2	758.9	758.3	756.3	756.5	755.6
Air Temperature (in C)	31.8	31.3	30.7	31.0	31.9	28.0	30.9	31.3	27.0	29.2	22.8	16.2	31.2	26.7	24.7	-	26.1
Direction and Force of Winds (0-12)	ENE 2	E 4	WSW 3	SSW 2	SE 3	NE 2	W 4	NE 3	WSW 5	WNW 5	N 4	NNW 8	SSW 5	S 2	WSW 2	WNW 2	SE 3
Weather	fair	fair	clear	clear	fair	fair	fair	cloudy	cloudy	clear	clear	fair	fair	cloudy	cloudy	rain	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 (* not reduced to Strd. Gr.)	757.9	756.9	757.5	755.9	757.1	* 758.0	* 757.6	* 754.9	* 756.7	* 755.9	* 759.8	760.5	763.0	754.4	764.5	760.5	759.5
Air Temperature (in C)	30.9	-	29.9	28.7	27.	30.	30.	-	-	24.	25.	24.	23.	754.4	13.	13.	13.
Direction and Force of Winds (0-12)	S 3	calm	ENE 7	WSW 3	S 4	SW 1	WSW 2	ESE 2	WSW 3	ENE 4	SW 2	E 1	E 3	E 2	calm	SE -	E -
Weather	cloudy	cloudy	fair	cloudy	cloudy	fair	fair	cloudy	fair	rain	cloudy	clear	cloudy	rain	rain	fair	cloudy

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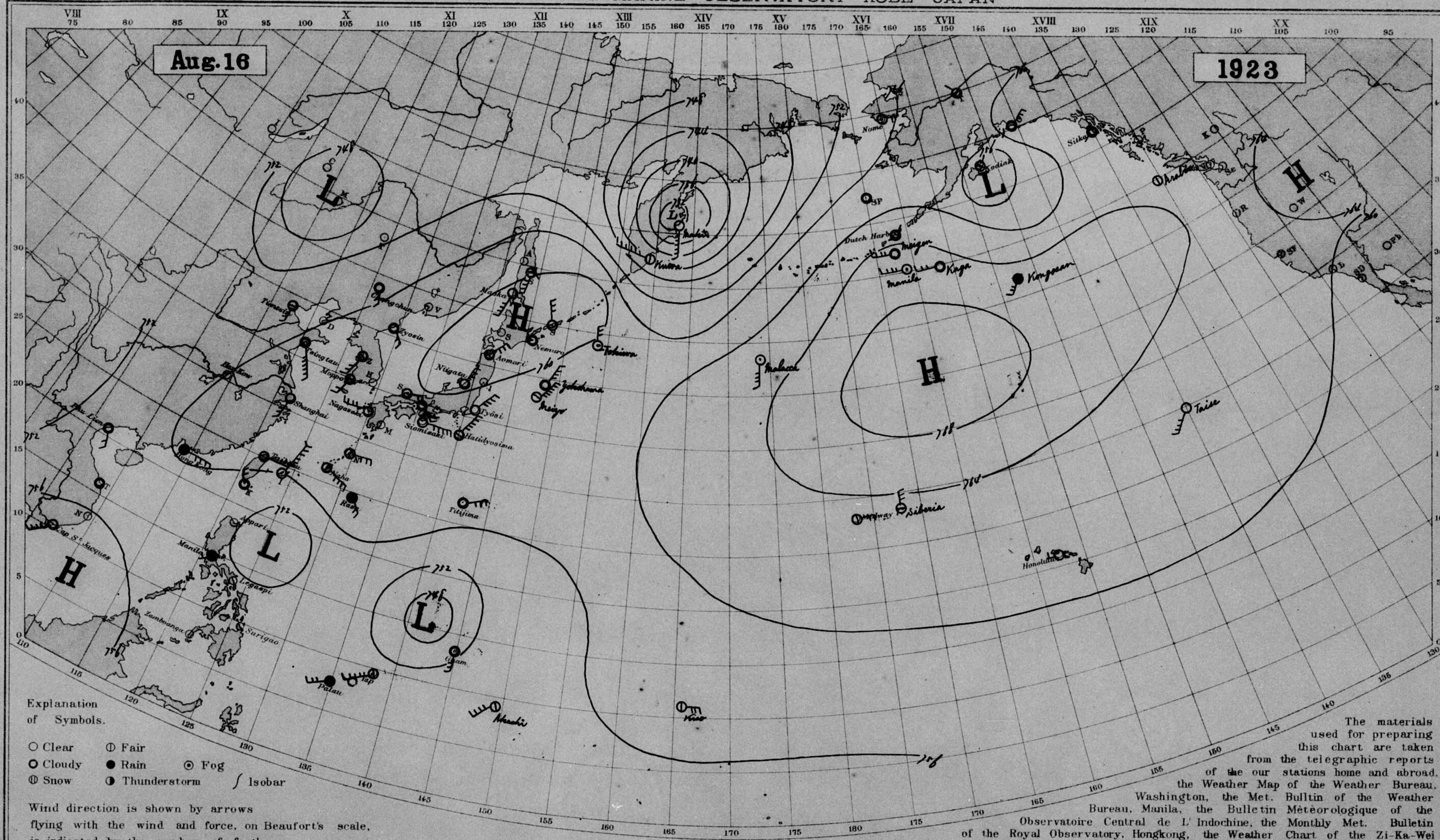


# DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the time of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 228



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	Tyosii	Hatidyosima	Titizima	Niigata	Aomori	Nemuro	Maoka	Moppo	Zyosin	Changchun	Tientsin	Tsingtan
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.)	756.9	757.4	759.1	758.5	758.9	759.8	758.4	756.5	750.0	760.8	761.8	761.6	759.0	758.9	754.4	754.8	756.1
Air Temperature (in C)	30.7	31.6	30.9	30.7	32.7	26.6	29.9	31.0	30.3	26.1	17.2	17.9	30.8	24.9	27.5	-	25.1
Direction and Force of Winds (0-12)	E 5	ESE 4	W 4	E 5	SE 3	NE 4	NE 5	ENE 3	NNE 3	NE 3	calm	SSW 4	SSW 2	S 2	SSE 2	S 2	SSE 6
Weather	clear	fair	clear	clear	clear	clear	fair	cloudy	clear	fair	cloudy	clear	fair	cloudy	cloudy	fair	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.)	757.5	-	758.3	755.5	756.9	*756.5	* -	*753.8	*755.5	*755.9	*760.2	761.0	763.5	755.4	763.0	762.0	754.4
Air Temperature (in C)	31.6	-	28.6	26.8	28.	26.	-	-	-	29.	26.	26.	24.	13.	13.	11.	12.
Direction and Force of Winds (0-12)	SSW 3	-	SE 2	WSW 3	E 4	SW 1	-	S 3	WSW 5	SSE 2	SW 4	W 1	E 2	E 1	SW -	NE -	NE -
Weather	clear	-	rain	rain	rain	rain	-	cloudy	fair	cloudy	clear	clear	fair	clear	cloudy	cloudy	cloudy

印明入販賣所 洋行市中山手通七丁目

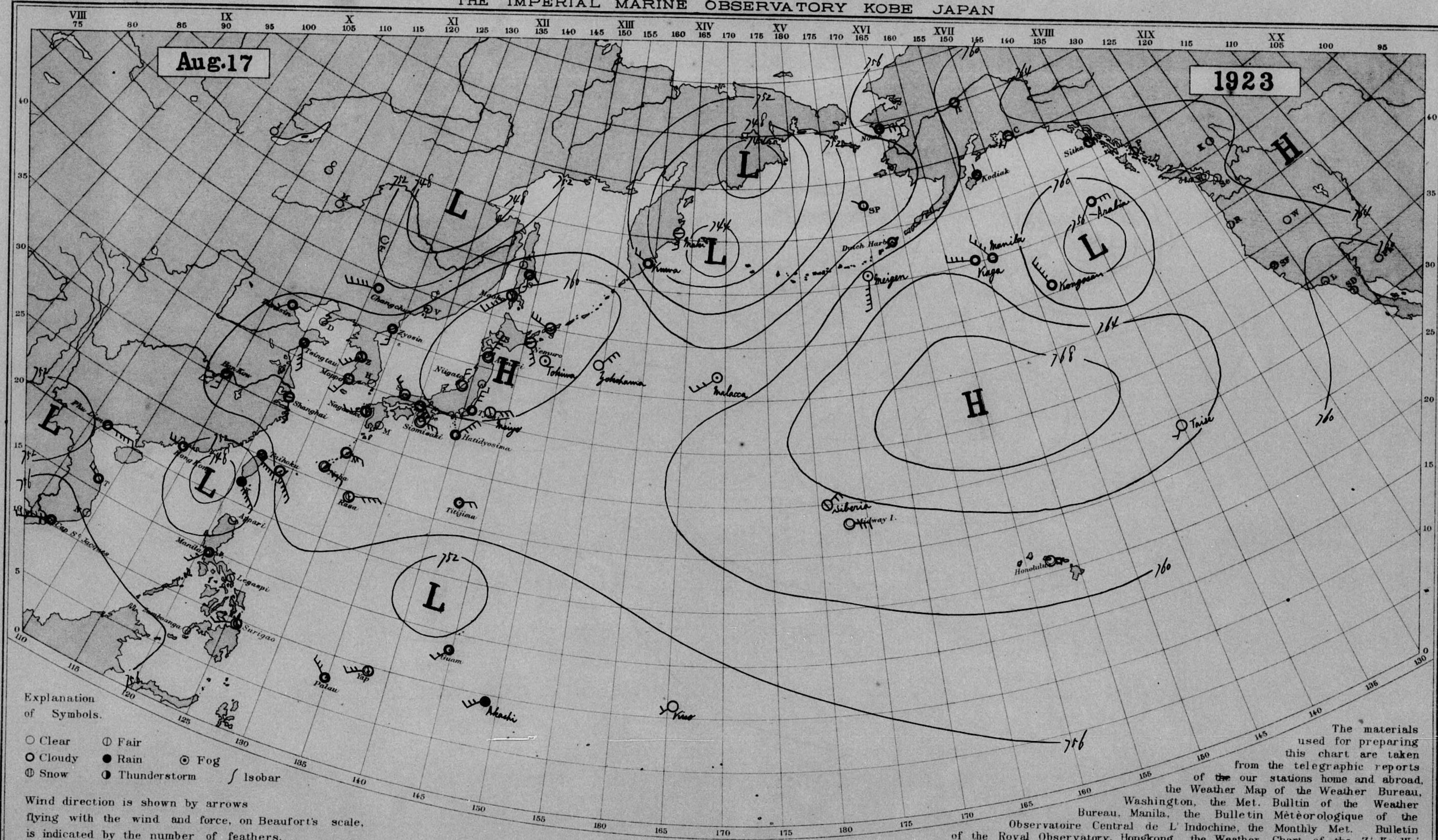


# DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the time of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 239



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	Titi zima	Niigata	Aomori	Nemuro	Maoka	Moppo	Zyosin	Changchun	Tientsin	Tsingtan
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.)	753.7	758.0	759.2	759.2	759.3	760.7	759.6	757.3	760.3	761.1	760.7	760.3	759.1	758.5	754.9	757.6	757.2
Air Temperature (in C)	32.1	31.2	31.2	30.2	32.2	24.6	30.1	31.6	30.1	25.6	20.3	20.5	31.0	25.9	27.5	-	25.7
Direction and Force of Winds (0-12)	ESE 6	ESE 3	WSW 3	E 3	SE 3	NNE 3	NE 4	ENE 2	N 2	NNE 4	SSE 3	SW 5	SSW 2	S 2	WSW 5	SW 2	SSE 4
Weather	cloudy	fair	fair	clear	clear	cloudy	cloudy	cloudy	clear	clear	fair	fair	clear	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.)	757.8	756.5	758.6	755.8	752.6	* 754.7	* 756.3	* 755.0	* 756.0	* 754.8	* 758.7	761.5	763.5	756.4	761.0	758.9	761.0
Air Temperature (in C)	31.3	-	29.6	27.9	30.	29.	28.	-	-	28.	26.	26.	26.	13.	14.	19.	11.
Direction and Force of Winds (0-12)	SSE 4	S 2	ENE 4	NW 3	W 2	SW 3	WSW 3	SW 2	WSW 3	E 5	WSW 6	E 1	E 3	E 3	calm	calm	N -
Weather	fair	cloudy	fair	cloudy	cloudy	cloudy	fair	cloudy	fair	cloudy	cloudy	clear	clear	cloudy	clear	cloudy	cloudy

日七十月八年二十正大

圖氣天洋平大北

號九十月二第

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戶 市  
中 山  
手 通  
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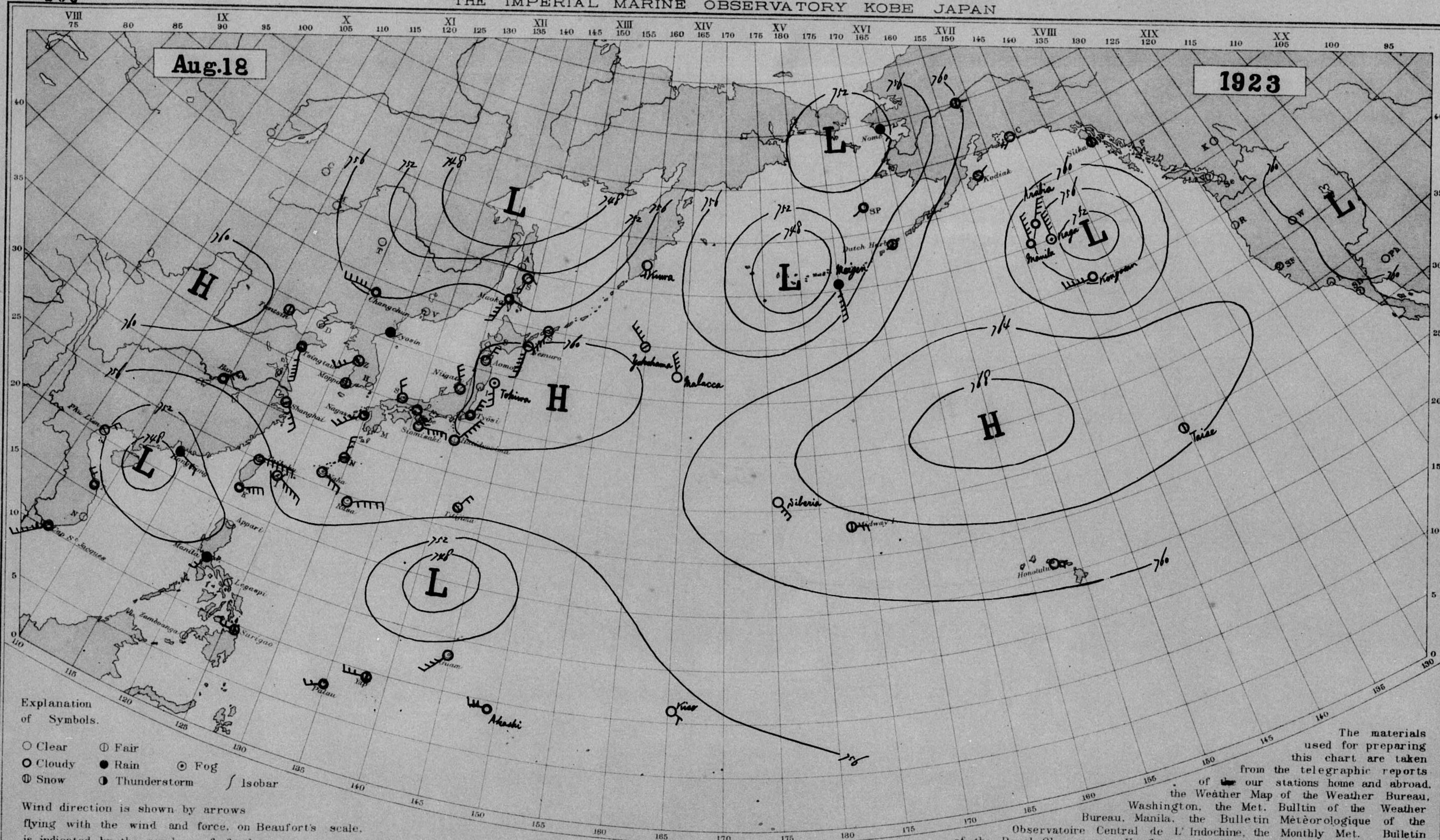


# DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the time of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No. 230



**Explanation of Symbols.**

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

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

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

Station	Taihoku	Naha	Nagasaki	Siomi saki	Kôbe	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 (* not reduced to Strd. Gr.)	754.6	757.8	759.3	759.5	759.4	761.0	759.9	756.0	759.4	760.1	760.6	756.1	759.3	758.2	754.7	759.0	758.4
Air Temperature (in C)	32.5	31.6	31.4	29.9	32.0	25.3	28.8	31.1	30.8	25.6	20.9	21.2	23.7	23.7	28.2	28.2	23.3
Direction and Force of Winds (0-12)	E 6	ESE 3	SW 4	E 5	SE 3	NNE 3	NE 5	NE 2	NNW 3	NNE 2	SSW 6	SSW 5	calm	calm	W 5	calm	SSE 6
Weather	clear	fair	fair	clear	clear	cloudy	fair	fair	clear	clear	cloudy	cloudy	calm	rain	cloudy	fair	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.)	758.2	756.9	757.6	756.8	750.2	756.4	757.3	755.0	756.3	754.1	757.9	761.0	763.0	751.3	761.5	758.4	762.5
Air Temperature (in C)	31.6	-	29.3	27.1	23.	25.	30.	-	-	29.	28.	26.	24.	13.	16.	14.	13.
Direction and Force of Winds (0-12)	SE 4	NE 3	ESE 5	WSW 2	ESE 3	SSW 2	W 2	SW 4	S 3	NE 2	SW 6	E 1	E 2	SE 3	calm	calm	NE -
Weather	fair	cloudy	fair	cloudy	rain	rain	fair	rain	fair	fair	cloudy	fair	fair	rain	fair	fair	clear

日八月八年十正大

圖氣天洋平大北

號十五第

印行人販行所  
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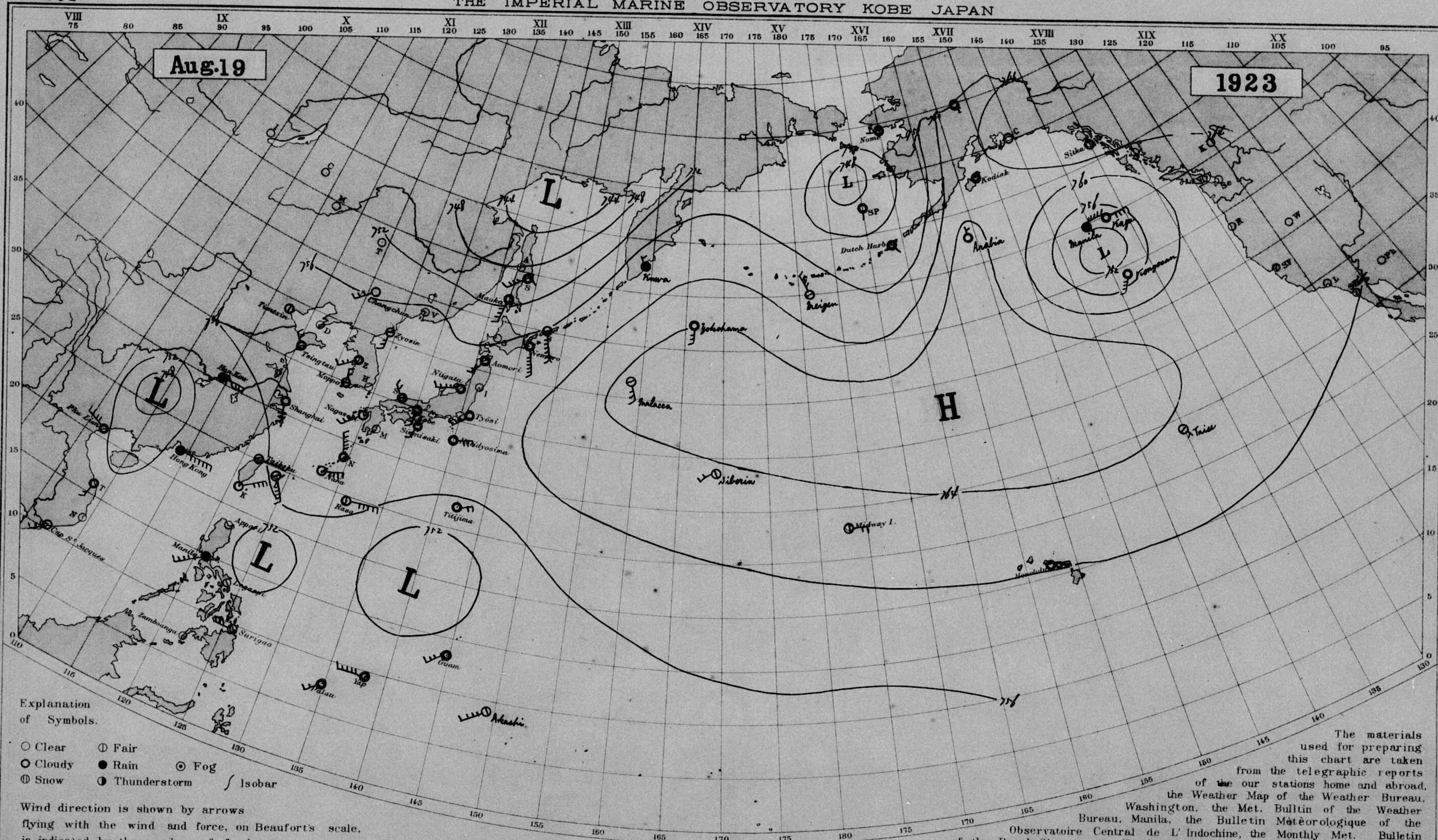


# DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the time of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 231



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. * not reduced to Strd Gr.)	754.9	757.9	758.6	758.3	758.2	758.3	758.3	755.3	757.6	755.6	757.2	751.8	759.2	758.0	755.5	758.4	758.0
Air Temperature (in C)	32.5	32.2	30.5	27.0	31.9	27.4	27.7	28.4	31.0	29.4	19.0	20.2	30.8	24.9	28.7	-	25.4
Direction and Force of Winds (0-12)	E 6	ENE 4	SW 4	SSW 2	S 3	SW 3	ENE 3	ENE 2	WSW 4	SW 3	SSE 6	SSW 5	NNW 2	S 3	SW 3	calm	NW 2
Weather	clear	clear	clear	cloudy	fair	cloudy	cloudy	cloudy	cloudy	cloudy	cloudy	cloudy	fair	fair	clear	fair	cloudy
Station	Shanghai	Hankou	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.)	758.3	753.6	757.0	756.2	755.0	* 756.3	* 756.8	* 754.1	* 757.1	* 753.6	* 759.3	760.0	763.0	755.4	765.0	753.4	763.5
Air Temperature (in C)	31.0	-	30.6	28.8	26.0	25.	-	-	-	30.	23.	27.	26.	11.	16.	14.	13.
Direction and Force of Winds (0-12)	SSE 3	E 4	ENE 5	SW 2	E 6	SW 5	W 3	SW 3	W 5	WNW 4	SW 2	E 3	E 2	W 1	calm	SE	calm
Weather	cloudy	rain	fair	cloudy	rain	rain	clear	cloudy	cloudy	cloudy	fog	cloudy	fair	cloudy	clear	cloudy	cloudy

日九十月八年二十正大

圖氣天洋平大北

號一十二百一第

印發行人發行所  
神戶市中山手通七丁目  
海  
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象  
臺

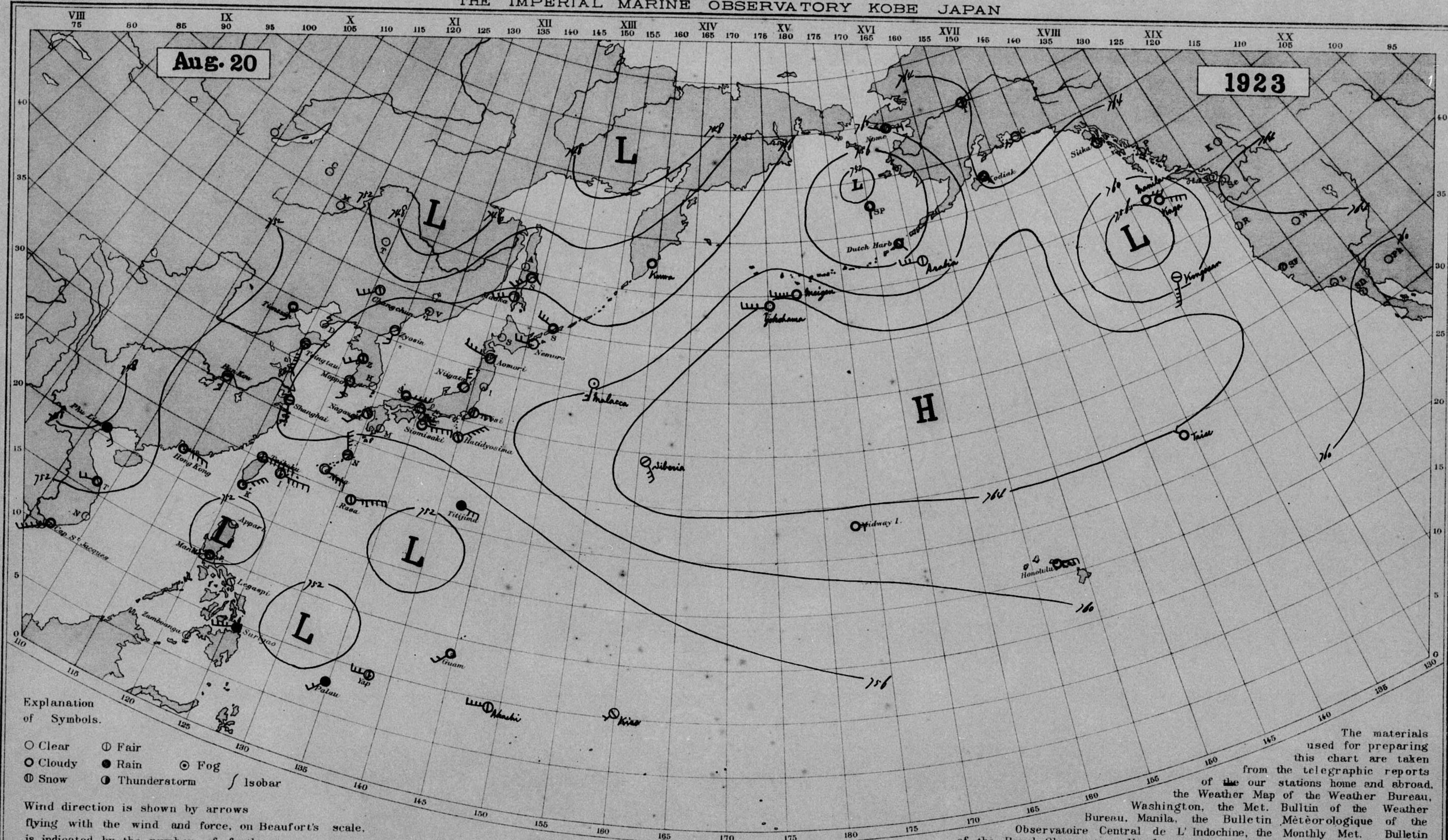


# DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the time of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 232



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	Naga-saki	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 (* not reduced to Strd. Gr.)	752.8	754.7	757.0	757.5	757.5	759.1	758.2	753.9	759.7	759.2	756.2	757.5	757.2	757.9	753.9	754.6	755.2
Air Temperature (in C)	33.1	31.3	32.0	29.3	32.1	27.7	28.4	25.0	29.3	29.0	24.2	19.9	31.9	25.2	27.7	-	26.7
Direction and Force of Winds (0-12)	E 6	ESE 4	SW 3	E 5	SE 4	E 2	NE 5	ESE 3	N 3	WNW 4	W 2	WSW 3	S 2	S 2	SW 3	S 2	S 7
Weather	fair	fair	fair	clear	clear	fair	fair	rain	clear	clear	clear	clear	clear	clear	fair	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 (* not reduced to Strd. Gr.)	756.1	754.6	754.0	755.7	753.5	* 753.2	* 754.9	* 755.9	* 757.0	* 752.8	* 758.5	761.5	763.0	761.0	762.0	755.9	764.0
Air Temperature (in C)	31.2	-	30.	25.3	29.	27.	30.	30.	27.0	23.	26.	27.	26.	14.	14.	11.	12.
Direction and Force of Winds (0-12)	SSE 3	S 2	ENE 6	SW 2	E 4	WSW 2	WSW 4	SW 2	W 3	SE 2	SW 6	E 3	E 1	E 2	calm	SE -	SE -
Weather	fair	fair	fair	rain	cloudy	cloudy	rain	cloudy	fair	rain	cloudy	cloudy	cloudy	cloudy	clear	cloudy	cloudy

日十月八年二十正大

圖氣天洋平大北

號一十五百一第

發行所  
 印刷人  
 發行所  
 神戶市中山手通七丁目  
 海  
 氣  
 象  
 臺

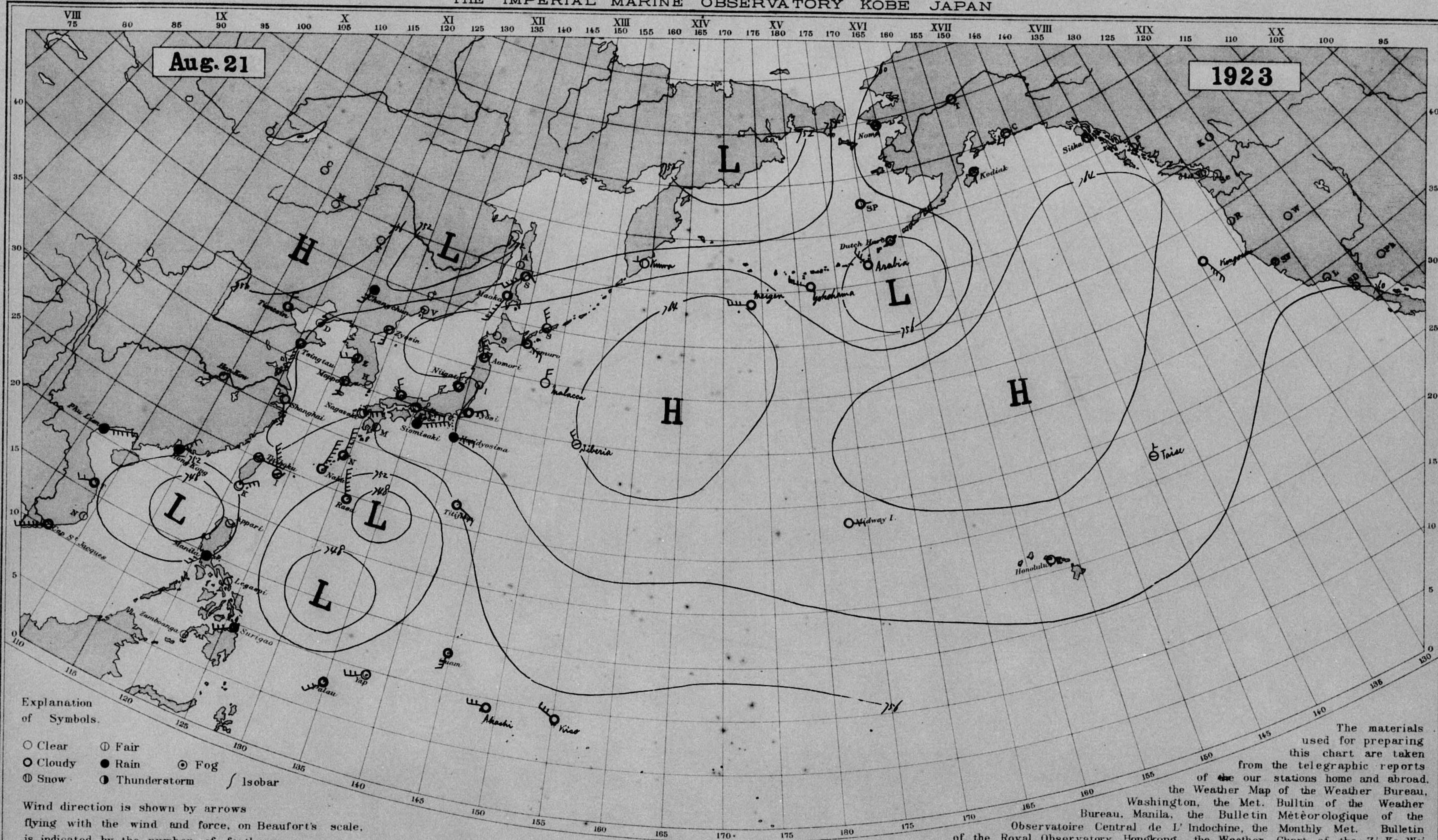


# DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the time of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 233



印發行人販賣所  
神戸市中山手通七丁目

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	Hatidyosima	Titi zima	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.)	753.0	752.0	755.9	758.5	758.5	760.8	759.8	755.8	759.7	761.5	761.4	759.6	758.6	758.7	753.3	754.3	756.0
Air Temperature (in C)	32.2	30.2	32.4	28.9	31.2	28.4	25.0	28.6	30.0	25.7	23.4	22.2	31.7	24.6	22.8	-	26.9
Direction and Force of Winds (0-12)	E 5	NNE 6	ENE 3	ENE 6	E 5	E 3	E 3	SE 3	N 2	NNE 3	SE 3	SSW 5	S 2	S 2	SSW 3	N 2	S 6
Weather	clear	clear	clear	rain	clear	cloudy	rain	cloudy	cloudy	clear	cloudy	cloudy	clear	fog	rain	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.)	755.8	-	749.3	755.8	751.7	*753.3	*754.8	*755.9	*756.3	*754.5	*757.4	762.5	763.0	763.0	762.0	755.9	762.0
Air Temperature (in C)	31.9	-	29.9	28.8	28.	26.	32.	-	-	24.	27.	26.	26.	16.	18.	10.	13.
Direction and Force of Winds (0-12)	SSE 3	-	NNW 6	SW 3	NE 4	SW 3	SW 3	SSW 3	WSW 3	E 6	SW 6	E 1	E 2	S 1	calm	calm	S -
Weather	clear	-	cloudy	cloudy	rain	rain	th.s.	cloudy	fair	rain	cloudy	clear	clear	cloudy	clear	cloudy	clear

日一十月八年一十正大

圖氣天洋平大北

號三十五百一第

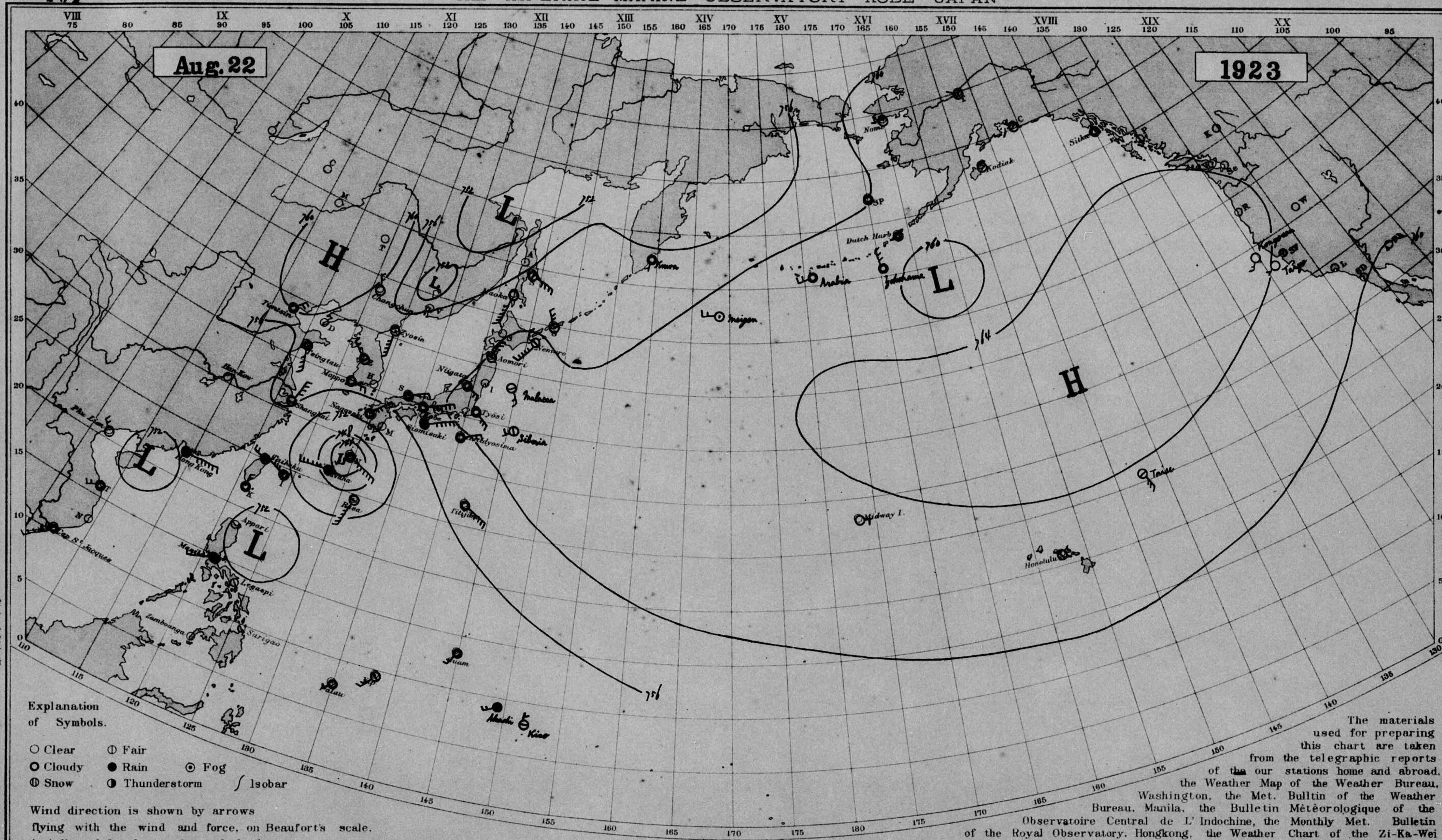


# DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the time of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 234



Explanation of Symbols.

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

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

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

Station	Taihoku	Naha	Nagasaki	Siomisaki	Kôbe	Tyosi	Hatidyosima	Titi zima	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.)	753.9	749.4	754.2	758.9	759.0	761.3	759.8	757.4	760.0	760.6	761.8	757.8	756.1	757.4	759.7	760.4	757.4
Air Temperature (in C)	30.6	27.0	30.7	23.8	28.6	28.2	29.3	30.3	28.8	26.4	23.3	24.3	32.9	23.4	23.8	-	26.9
Direction and Force of Winds (0-12)	WNW 2	W 6	NE 5	ENE 6	ENE 6	SE 3	ENE 3	SE 5	SE 2	NNE 3	SW 5	SSW 7	E 2	S 5	NNW 2	NE 2	SSE 4
Weather	fair	rain	cloudy	rain	cloudy	cloudy	cloudy	cloudy	cloudy	fair	fair	clear	clear	fog	clear	cloudy	cloudy
Station	Shanghai	Hankow	Rasa	Palau	Hongkong	Manila	Surigao	Guam	Yap	Phu-Lien	Cap-S-Jacques	Honolulu	Midway I.	Nome	Sitka	Dutch Harbor	Kodiak
Hour of Observation	12 <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.)	756.2	-	752.5	756.5	755.5	* 754.9	* -	* 757.3	* 757.3	* 754.5	* 757.6	762.0	763.0	762.0	763.5	758.9	761.0
Air Temperature (in C)	31.0	-	29.7	29.1	27.	25.	-	-	-	30.	27.	24.	26.	16.	17.	10.	12.
Direction and Force of Winds (0-12)	NNE 4	-	SSW 6	SW 1	E 6	WSW 5	-	SW 2	SW 3	NW 2	SW 6	NE 1	E 1	W 1	W -	calm	calm
Weather	fair	-	fair	cloudy	rain	rain	-	cloudy	fair	clear	cloudy	fair	clear	clear	cloudy	cloudy	clear

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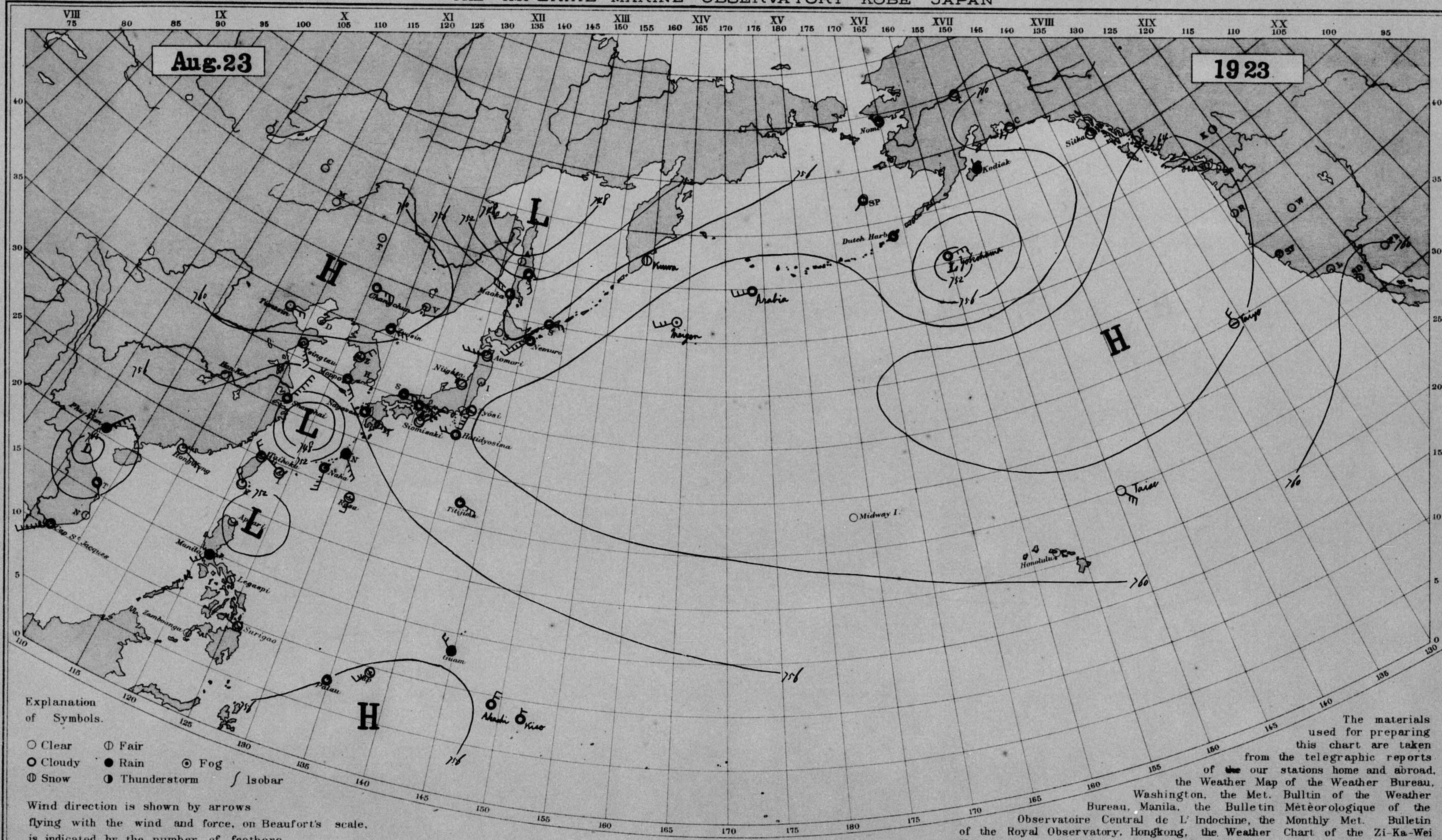


# DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the time of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No. 885



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. * not reduced to Strd. Gr.)	752.9	753.0	756.5	758.8	758.6	759.5	758.9	757.9	759.5	759.2	756.9	755.7	756.1	761.4	761.4	761.2	758.0
Air Temperature (in C)	32.4	32.1	31.1	27.6	30.8	29.4	28.2	28.5	31.7	31.4	22.1	17.4	31.7	25.2	24.5	-	26.8
Direction and Force of Winds (0-12)	NW 2	S 4	ESE 7	NE 5	ESE 4	SSW 4	W 2	ESE 3	NW 2	W 4	SW 5	WNW 3	SE 3	E 3	E 3	E 2	SE 3
Weather	clear	cloudy	cloudy	fair	cloudy	cloudy	cloudy	cloudy	clear	clear	cloudy	cloudy	cloudy	cloudy	cloudy	clear	clear
Station	Shanghai	Hankow	Rasa	Palau	Hongkong	Manila	Surigao	Guam	Yap	Phu-Lien	Cap-S-Jacques	Honolulu	Midway I.	Nome	Sitka	Dutch Harbor	Kodiak
Hour of Observation	12 <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.)	752.9	-	755.1	756.6	754.4	* 755.8	* 756.5	* 757.9	* 758.0	* 753.1	* 757.8	-	-	758.4	760.0	757.9	758.9
Air Temperature (in C)	29.1	-	29.7	29.5	30.	25.	32.	-	-	24.	25.	-	-	19.	18.	11.	12.
Direction and Force of Winds (0-12)	NNE 6	-	S 2	calm	ESE 4	SW 3	WNW 2	NW 2	SW 2	NE 5	SW 6	-	-	NW 1	calm	calm	N -
Weather	cloudy	-	fair	cloudy	clear	rain	clear	rain	fair	rain	cloudy	-	-	cloudy	clear	cloudy	rain

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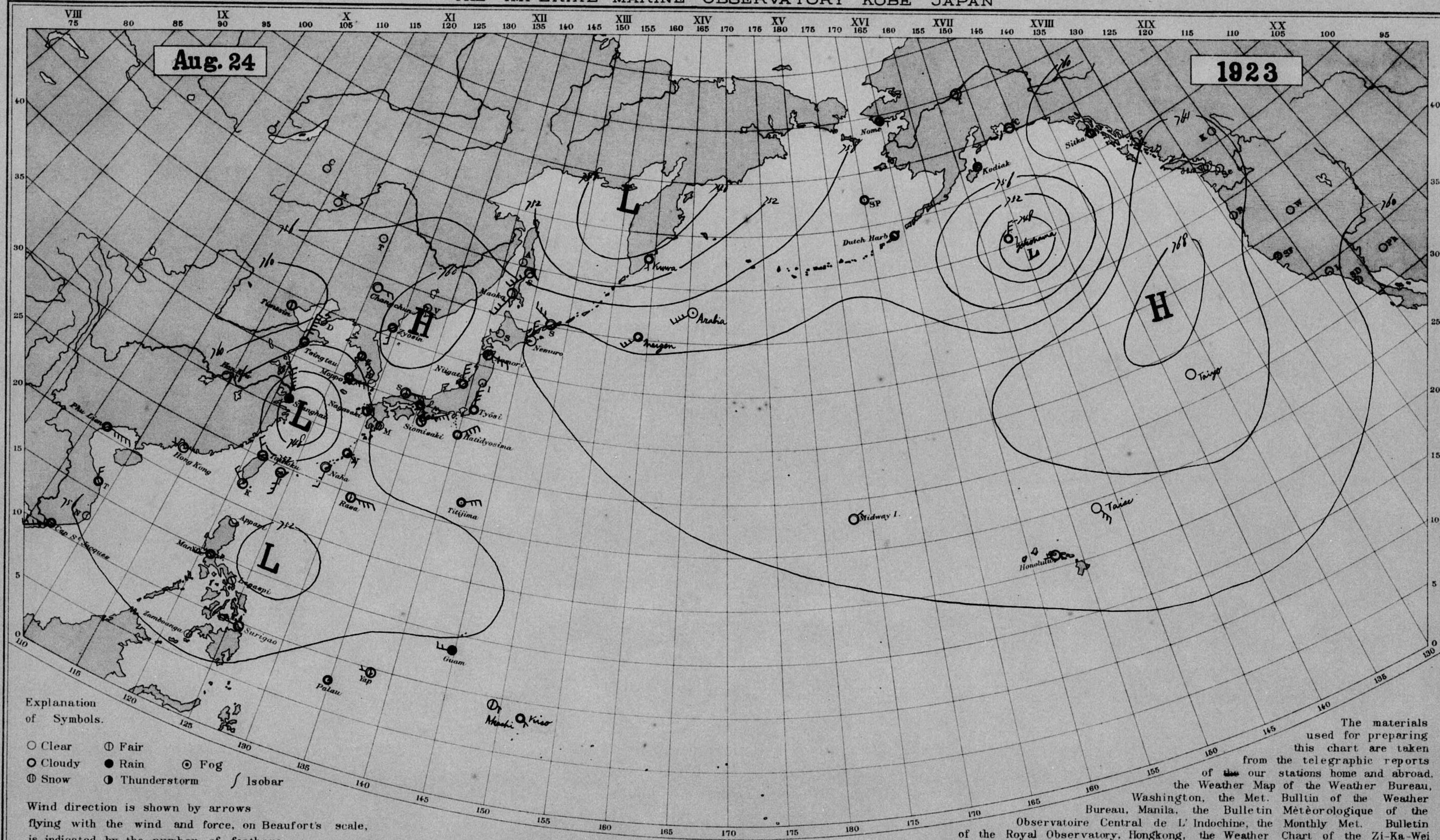


# DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the time of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 236



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. * not reduced to Strd. Gr.)	753.7	754.8	756.0	757.6	757.5	757.9	758.0	757.0	759.2	754.5	760.0	758.5	755.4	760.3	758.3	761.1	756.2
Air Temperature (in C)	31.8	32.1	30.1	28.6	32.0	29.5	28.8	30.9	30.2	27.8	21.8	22.7	28.4	26.5	25.4	-	26.4
Direction and Force of Winds (0-12)	NW 2	S 3	ESE 3	ENE 4	SSE 2	N 3	NE 4	ENE 3	N 3	ESE 3	N 2	SSW 4	E 5	S 2	E 2	calm	N 6
Weather	clear	clear	cloudy	fair	cloudy	cloudy	cloudy	cloudy	cloudy	fair	clear	clear	cloudy	cloudy	clear	fair	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.)	747.8	-	756.7	758.2	753.8	*756.6	*757.0	*758.7	*758.6	*755.5	*758.4	761.8	761.0	758.9	763.0	756.9	758.9
Air Temperature (in C)	24.4	-	30.9	27.3	30.	25.	32.	-	-	27.	25.	29.	27.	16.	14.	13.	11.
Direction and Force of Winds (0-12)	NNW 8	-	E 4	calm	W 1	WSW 2	W 3	W 2	W 1	E 5	SW 4	W 1	NE 1	SE 1	calm	calm	N -
Weather	rain	-	fair	cloudy	clear	cloudy	clear	rain	fair	cloudy	cloudy	cloudy	clear	cloudy	cloudy	cloudy	cloudy

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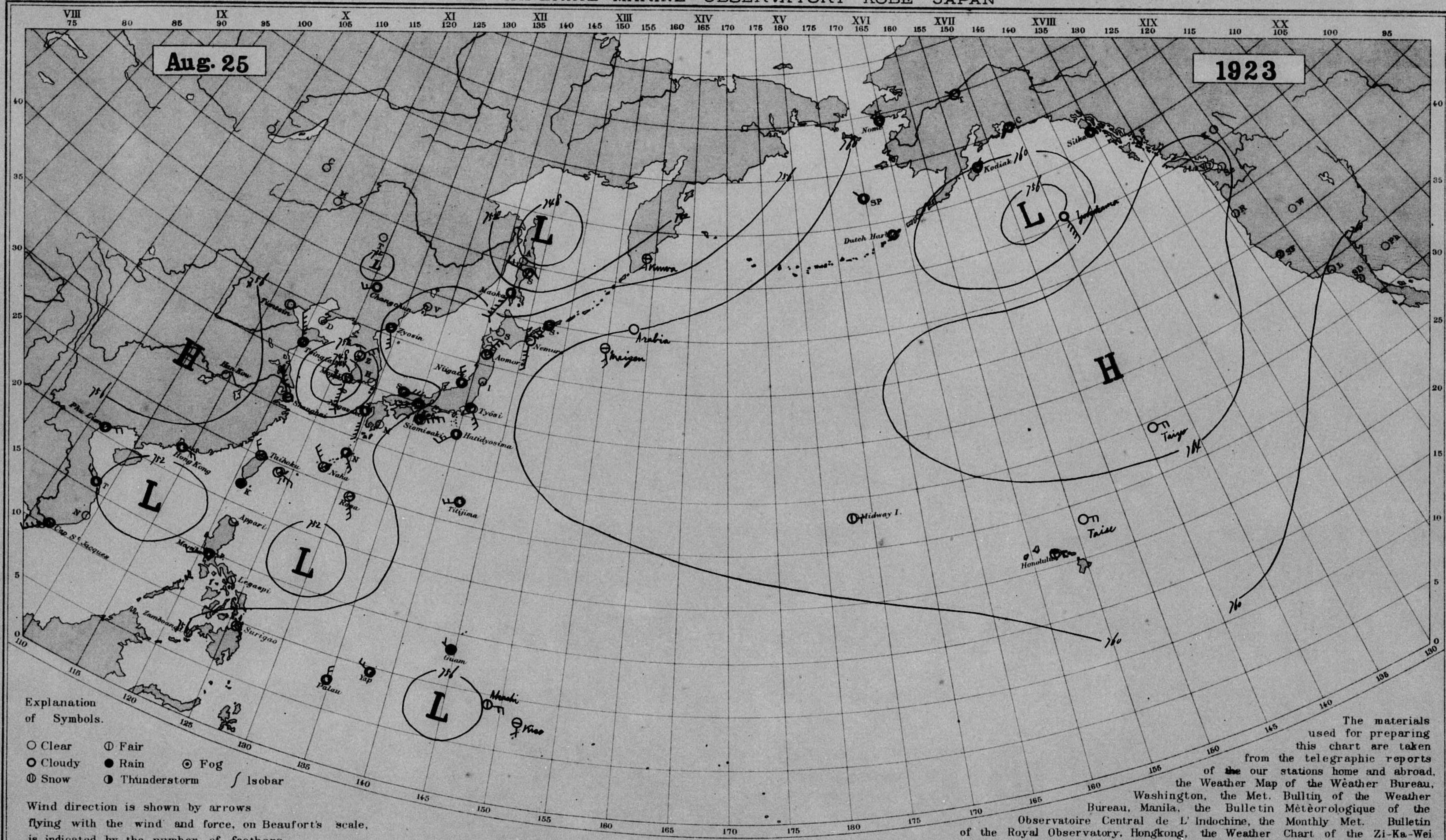


# DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the time of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 237



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	Nagesaki	Siomisaki	Kôbe	Tyosi	Hatidyosima	Titi zima	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.)	754.3	754.8	753.7	758.4	755.9	757.0	756.8	756.9	756.6	757.0	758.2	763.7	743.5	756.4	752.4	754.3	752.9
Air Temperature (in C)	31.0	30.3	27.7	28.8	32.4	27.9	29.3	29.6	29.0	27.3	20.5	21.2	24.4	24.4	28.2	-	25.8
Direction and Force of Winds (0-12)	NW 2	NW 3	S 5	ENE 4	WSW 3	SE 3	SW 3	WSW 2	NNW 2	NE 3	S 5	SSW 7	S 8	SSE 3	WSW 2	calm	NNW 6
Weather	fair	fair	cloudy	cloudy	cloudy	th.s.	cloudy	cloudy	cloudy	clear	clear	cloudy	rain	cloudy	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 <sup>h</sup> , 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.)	754.0	-	754.9	757.7	752.9	*756.6	*758.7	*758.5	*758.2	*756.8	*759.1	762.5	762.0	763.0	762.5	760.5	760.0
Air Temperature (in C)	28.7	-	30.2	27.5	30.	29.	32.	-	-	29.	29.	26.	26.	26.	12.	18.	11.
Direction and Force of Winds (0-12)	NW 5	-	SSE 3	N 2	E 2	WSW 3	SE 2	NW 1	NW 2	ENE 2	SW 4	E 1	E 1	N 1	E -	calm	NE -
Weather	fair	-	fair	cloudy	cloudy	cloudy	fair	rain	cloudy	cloudy	fair	fair	fair	cloudy	cloudy	cloudy	cloudy

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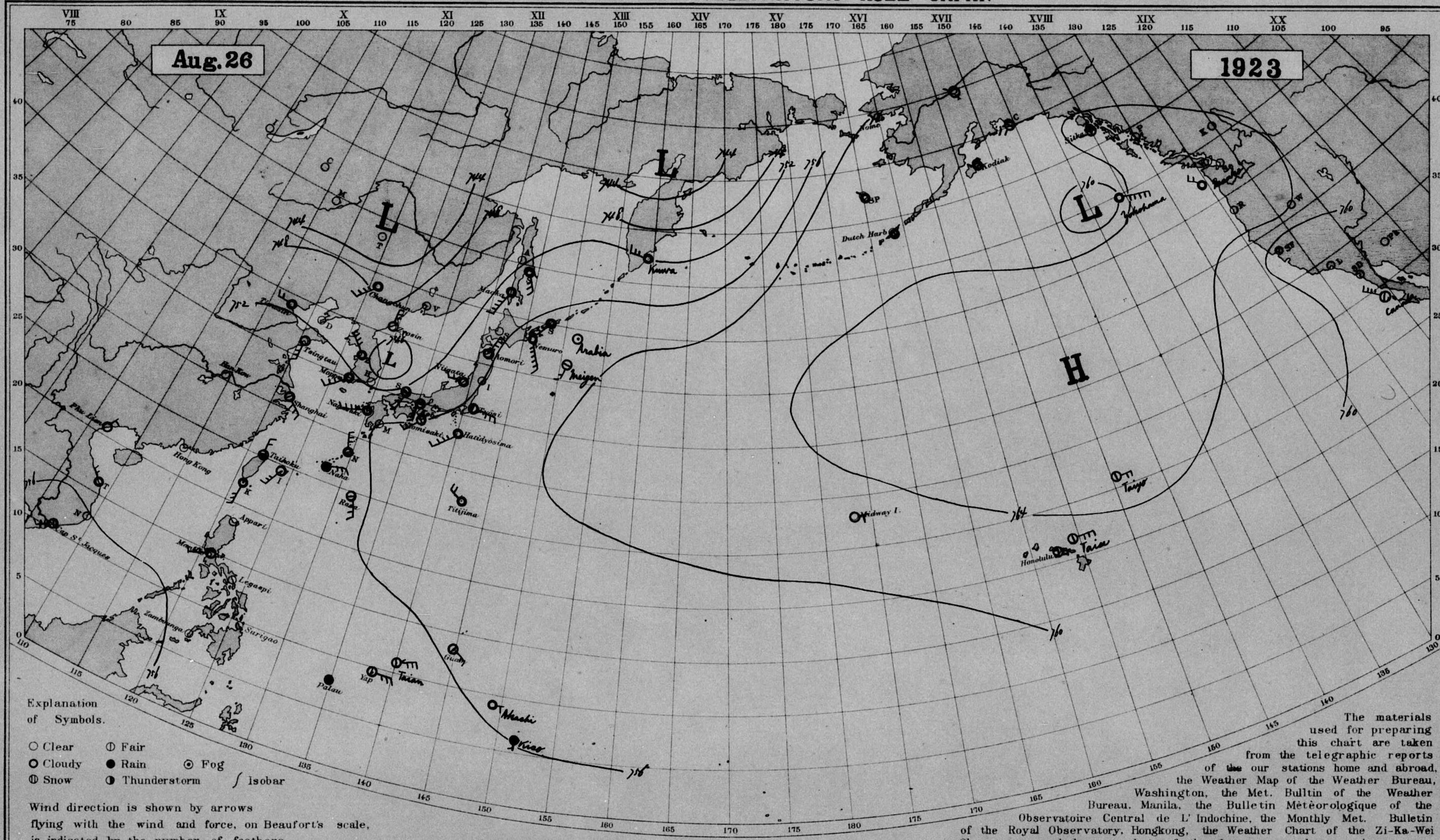


# DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the time of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 238



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. 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.

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Station	Taihoku	Naha	Nagasaki	Siomisaki	Kōbe	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. * not reduced to Strd. Gr.)	754.2	754.4	755.4	756.2	755.4	755.8	757.3	757.2	755.8	756.0	757.1	753.8	752.8	750.6	747.6	751.9	752.5
Air Temperature (in C)	32.0	28.3	28.4	29.0	32.4	25.2	29.8	31.6	29.9	26.6	20.6	21.1	26.6	23.5	26.6	-	27.7
Direction and Force of Winds (0-12)	N 2	ENE 3	ESE 5	SW 3	S 5	ESE 3	SW 4	NW 2	W 2	NNE 3	SSE 6	SSW 5	SW 4	N 3	SW 4	W 2	S 3
Weather	fair	rain	cloudy	fair	fair	th.s.	cloudy	cloudy	cloudy	clear	cloudy	cloudy	cloudy	rain	cloudy	cloudy	clear
Station	Shanghai	Hankow	Rasa	Palau	Hongkong	Manila	Surigao	Guam	Yap	Phu-Lien	Cap S' Jacques	Honolulu	Midway I.	Nome	Sitka	Dutch Harbor	Kodiak
Hour of Observation	12 <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.)	754.3	-	756.7	758.1	-	* 757.1	* -	* 758.3	* 758.5	* 755.5	* 759.4	763.0	762.5	-	766.1	762.5	762.5
Air Temperature (in C)	32.1	-	31.0	25.6	-	30.	-	-	-	30.	28.	26.	26.	-	15.	11.	11.
Direction and Force of Winds (0-12)	SE 3	-	SSE 3	calm	-	WSW 3	-	SE 2	ESE 3	NNE 1	SW 2	E 1	E 1	-	W -	NE -	NW -
Weather	fair	-	fair	rain	-	fair	-	fair	fair	clear	fair	fair	clear	-	fair	cloudy	cloudy

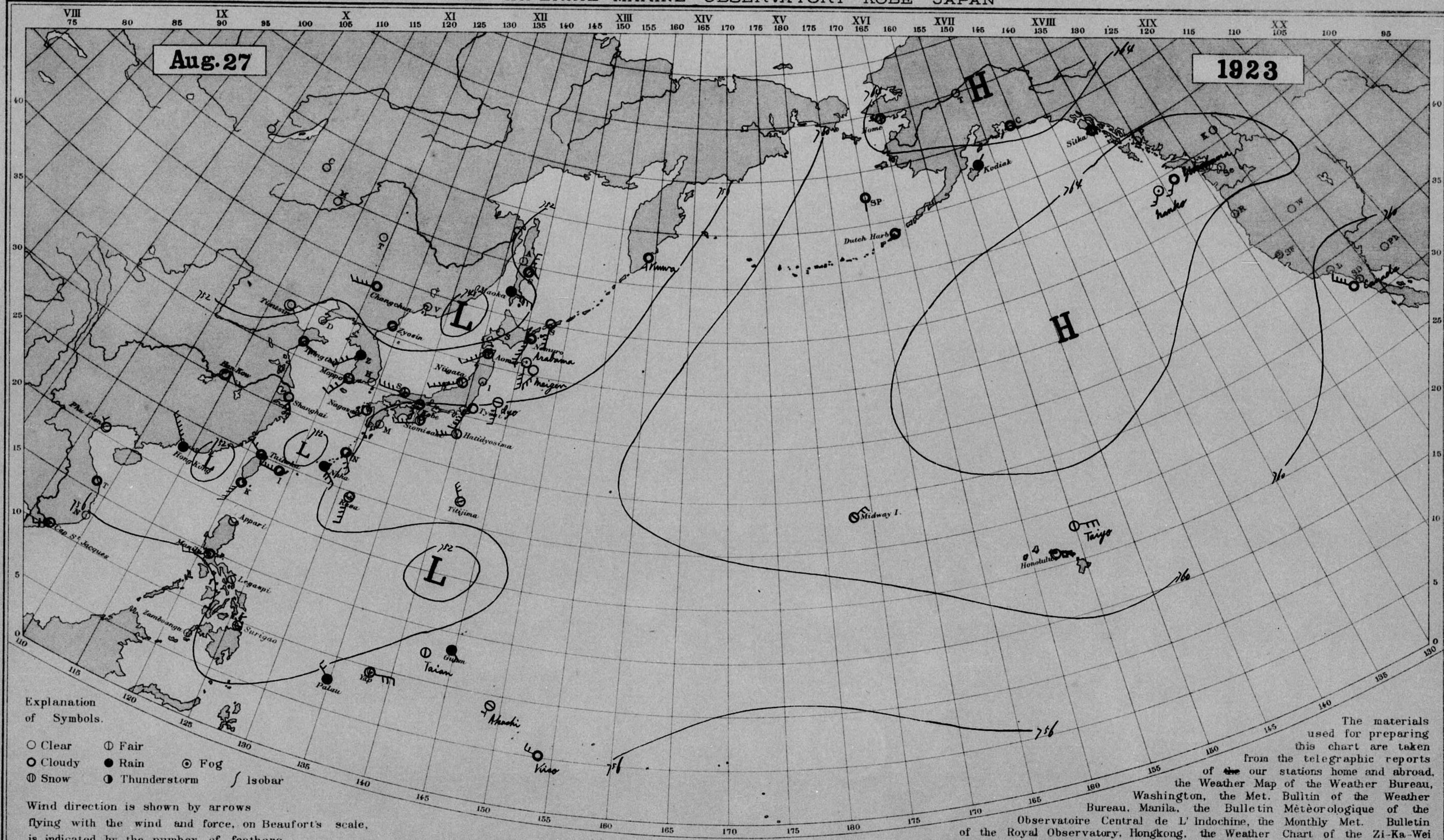


# DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the time of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No. 239



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.

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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. * not reduced to Strd. Gr.)	754.3	753.7	756.8	756.5	756.2	755.3	757.2	757.0	754.6	752.2	753.6	751.0	755.6	750.9	749.0	751.9	753.1
Air Temperature (in C)	30.8	28.4	30.3	29.8	32.9	29.2	28.8	30.6	32.8	32.6	23.1	18.2	29.5	25.0	27.5	-	28.6
Direction and Force of Winds (0-12)	WNW 2	SE 4	SW 3	WSW 4	S 4	SSW 6	WSW 3	NNW 3	WSW 6	SW 4	SSW 7	ESE 4	SSW 3	calm	WSW 4	calm	ESE 3
Weather	cloudy	rain	clear	fair	fair	clear	fair	fair	fair	fair	cloudy	rain	clear	cloudy	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>	10 <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.)	754.3	754.2	757.1	757.6	756.2	*757.7	*757.2	*758.3	*758.3	*755.6	*760.1	762.5	762.5	764.5	762.5	761.5	761.5
Air Temperature (in C)	31.3	-	30.2	24.0	27.	31.	31.	-	-	30.	26.	26.	26.	12.	17.	10.	12.
Direction and Force of Winds (0-12)	SSE 3	E 2	S 4	NW 2	NW 6	WSW 4	N 1	SE 1	E 3	WNW 1	SW 2	E 2	NE 2	W 1	calm	calm	NR -
Weather	clear	clear	fair	rain	rain	fair	fair	rain	fair	clear	fog	clear	fair	clear	cloudy	cloudy	rain

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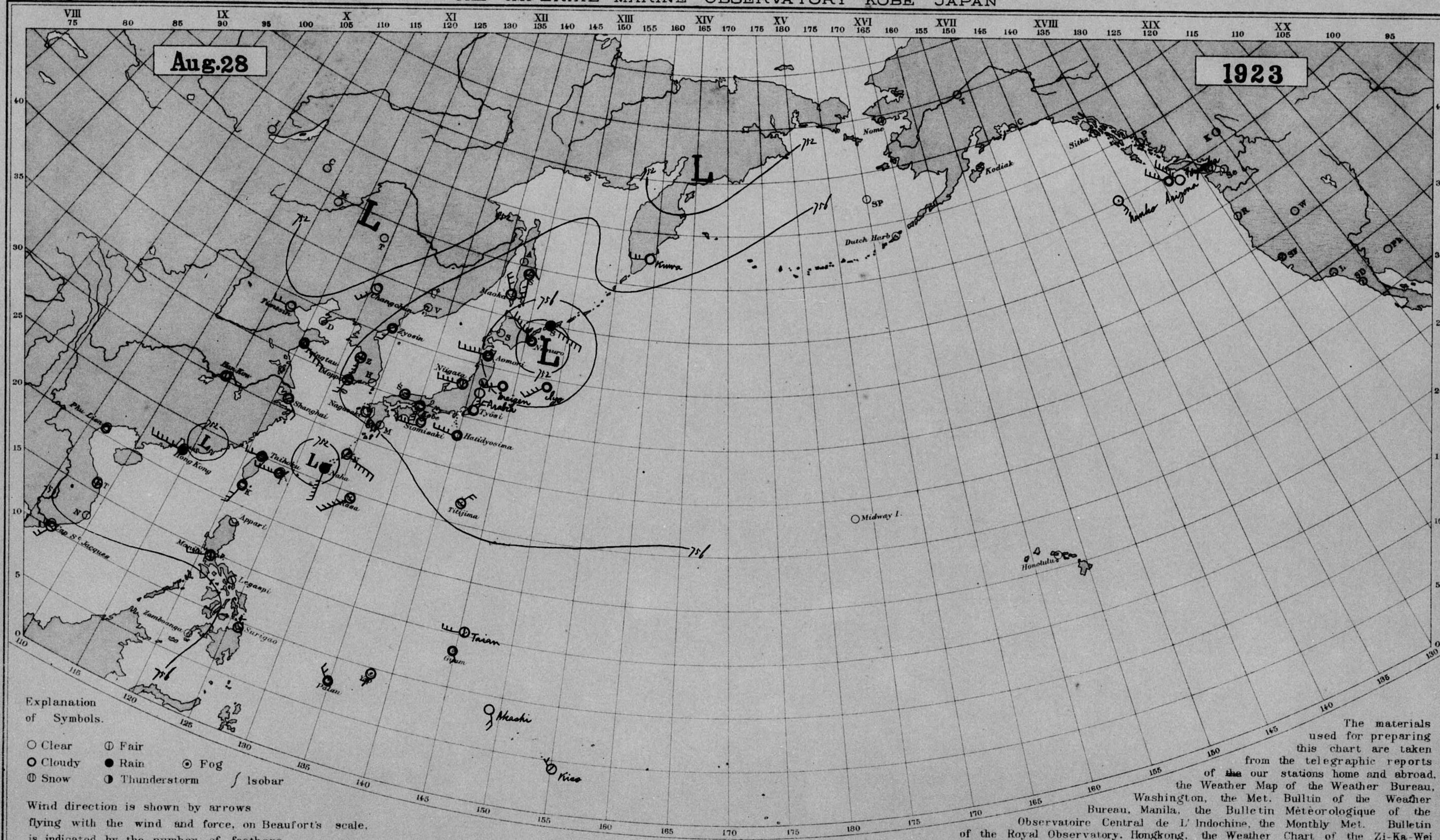


# DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the time of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 240



Explanation of Symbols.

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

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

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

Station	Taihoku	Naha	Nagasaki	Simisaki	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 Srd Gr. * not reduced to Srd Gr.)	753.9	750.6	756.2	756.1	756.4	755.7	756.5	756.3	756.5	755.7	751.1	757.1	756.0	756.7	753.2	753.6	754.1
Air Temperature (in C)	30.6	25.3	30.1	29.0	31.4	27.0	30.5	31.0	32.3	27.0	21.1	19.9	29.6	26.0	28.2	-	25.0
Direction and Force of Winds (0-12)	W 2	S 6	SE 4	W 4	S 4	NNE 2	WNW 4	NE 2	W 4	W 5	NW 7	NNW 3	SSW 2	SSW 2	SW 3	W 2	ESE 4
Weather	cloudy	rain	clear	fair	clear	clear	cloudy	fair	fair	cloudy	cloudy	clear	fair	cloudy	clear	clear	cloudy
Station	Shanghai	Hankow	Rasa	Palau	Hongkong	Manila	Surigao	Guam	Yap	Phu-Lien	Cap-S-Jacques	Honolulu	Midway I.	Nome	Sitka	Dutch Harbor	Kodiak
Hour of Observation	12 <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>	16 <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. * not reduced to Srd Gr.)	753.6	753.4	757.5	756.8	752.0	* 757.6	* 757.4	* 756.8	* 757.8	* 754.3	* 759.7	-	-	-	-	-	-
Air Temperature (in C)	31.8	-	29.8	27.7	27.	31.	31.	-	-	31.	29.	-	-	-	-	-	-
Direction and Force of Winds (0-12)	SE 2	E 2	SW 5	NW 2	W 5	WSW 3	N 1	SSE 1	SW 1	calm	SSW 2	-	-	-	-	-	-
Weather	fair	fair	fair	cloudy	rain	fair	clear	cloudy	clear	cloudy	fair	-	-	-	-	-	-

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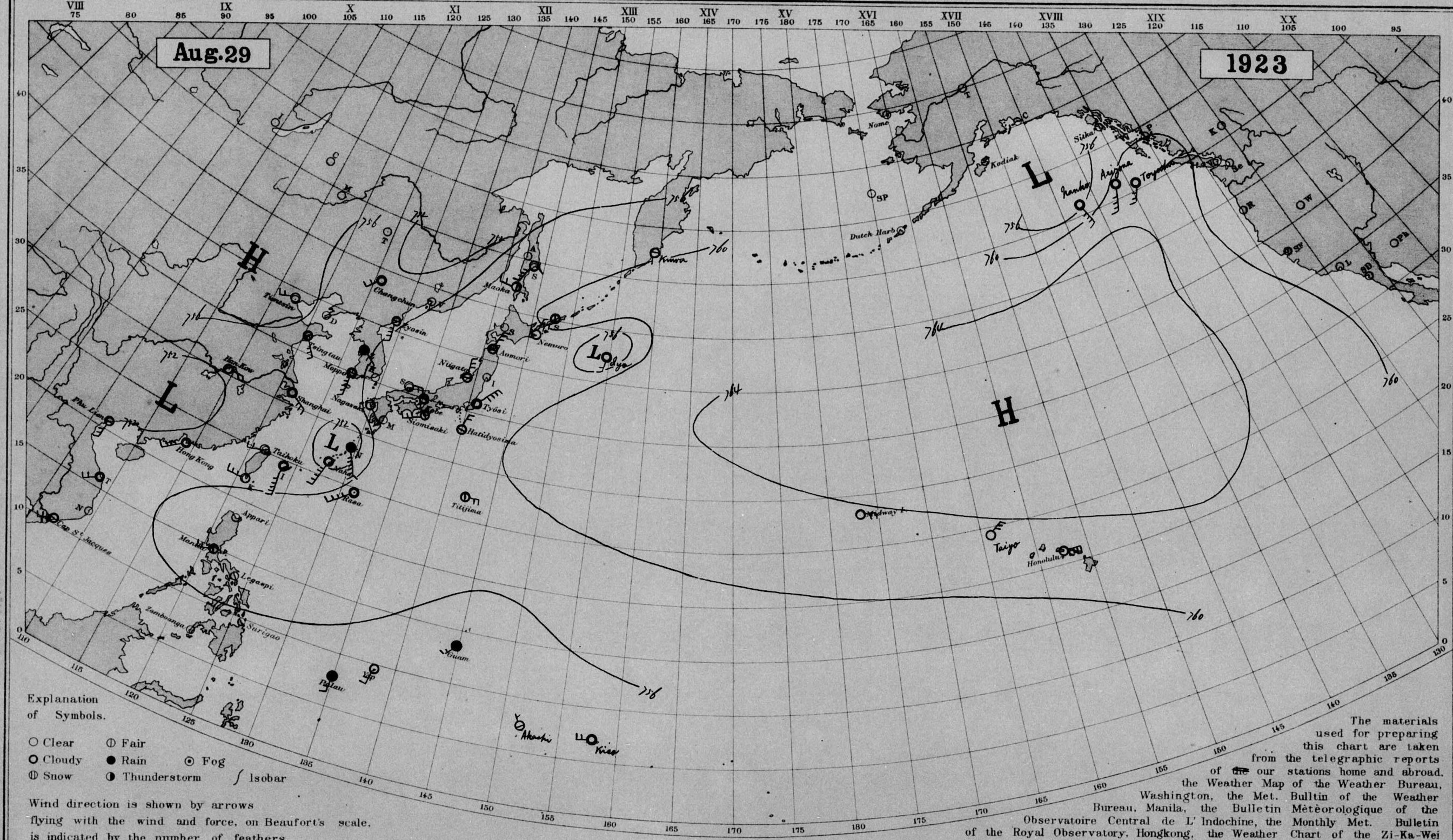


# DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the time of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 241



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	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 Strd. Gr. * not reduced to Strd. Gr.)	753.9	752.2	755.8	756.8	756.6	757.2	757.3	757.6	757.4	758.5	759.5	759.7	755.1	755.6	752.4	756.3	754.9
Air Temperature (in C)	32.3	27.9	30.7	29.8	32.8	28.4	30.5	30.6	31.2	27.2	19.0	19.6	31.1	25.3	24.0	-	27.1
Direction and Force of Winds (0-12)	WSW 2	SSW 5	SE 4	WSW 3	SSE 3	NE 4	NNE 2	E 2	N 3	NNE 3	NNE 3	W 2	S 4	S 4	SW 2	WSW 2	SE 3
Weather	clear	cloudy	clear	fair	fair	cloudy	fair	fair	fair	fair	clear	fair	cloudy	fair	cloudy	clear	fair
Station	Shanghai	Hankow	Rasa	Palau	Hongkong	Manila	Surigao	Guam	Yap	Phu-Lien	Cap-S-Jacques	Honolulu	Midway I.	Nome	Sitka	Dutch Harbor	Kodiak
Hour of Observation	12 <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.)	753.6	754.1	759.0	757.3	752.9	* 758.6	*	* 757.4	* 757.9	* 754.0	* 760.2	762.0	763.5	-	-	-	-
Air Temperature (in C)	30.5	-	30.0	24.2	28.	30.	-	-	-	32.	28.	26.	26.	-	-	-	-
Direction and Force of Winds (0-12)	ESE 3	E 2	SW 4	SSW 2	SW 4	WSW 2	-	SW 2	SSW 2	S 3	SW 2	E 3	E 2	-	-	-	-
Weather	cloudy	clear	cloudy	rain	cloudy	fair	-	rain	clear	fair	fair	cloudy	clear	-	-	-	-

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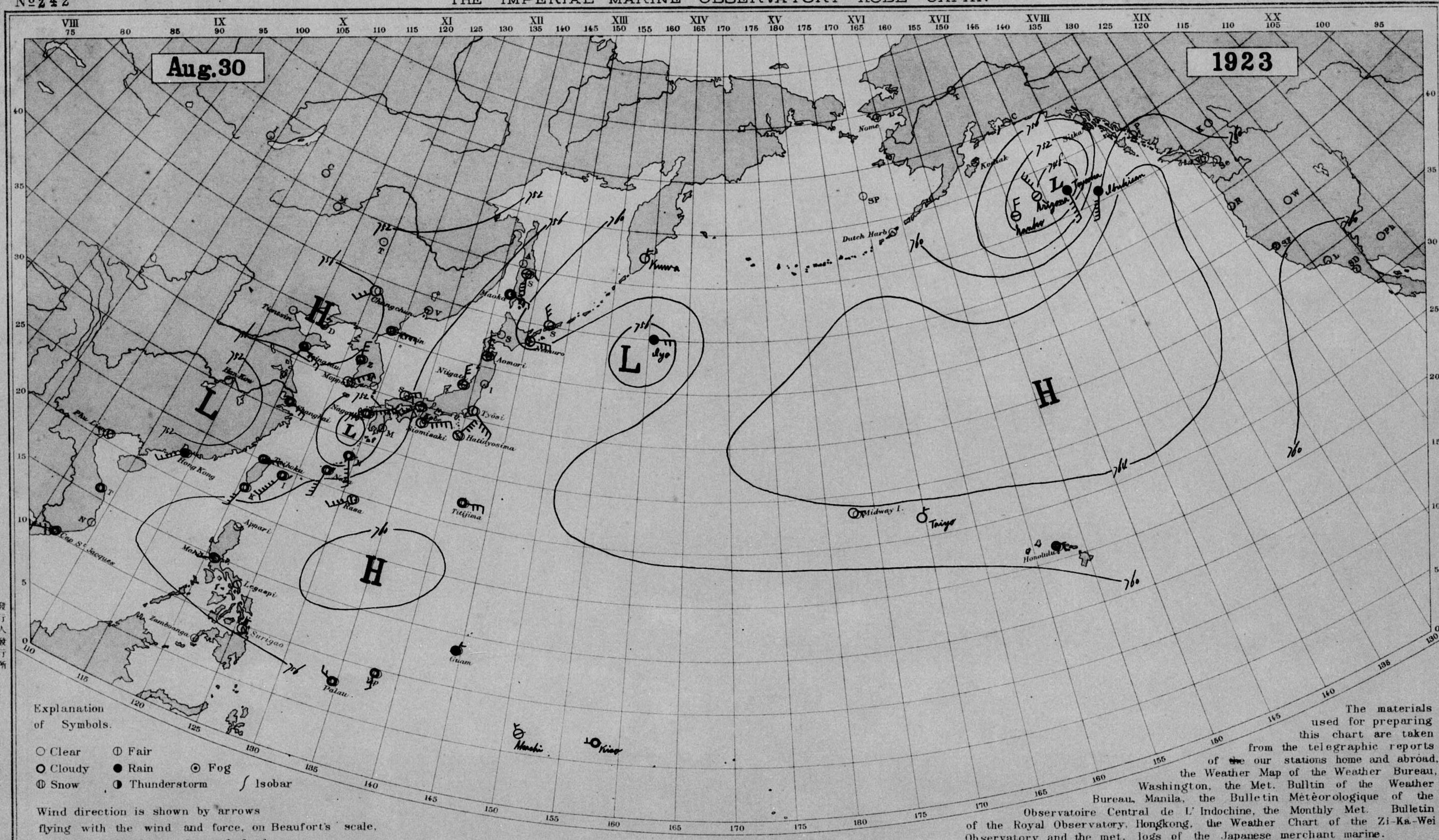


# DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the time of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 242



Explanation of Symbols.

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

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

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

Station	Taihoku	Naha	Nagasaki	Siomi saki	Kôbe	Tyosi	Hatidyosima	Titizina	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.)	754.1	755.1	750.9	757.2	757.1	758.4	758.1	757.6	757.1	758.5	760.5	757.0	753.8	758.3	756.8	-	756.2
Air Temperature (in C)	33.5	28.9	30.7	29.0	33.0	29.0	30.4	30.0	31.4	27.2	17.9	21.9	33.0	24.9	26.5	-	27.0
Direction and Force of Winds (0-12)	ENE 3	SSW 5	ENE 7	ENE 5	SW 4	SE 4	NE 4	E 3	N 3	N 3	E 3	ESE 3	NE 4	E 4	SW 3	-	ESE 4
Weather	cloudy	cloudy	cloudy	clear	clear	clear	fair	cloudy	fair	fair	fair	cloudy	clear	cloudy	clear	-	cloudy
Station	Shanghai	Hankow	Rasa	Palau	Hongkong	Manila	Surigao	Guam	Yap	Phu-Lien	Cap-S-Jacques	Honolulu	Midway I.	Nome	Sitka	Dutch Harbor	Kodiak
Hour of Observation	12 <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.)	754.6	-	758.4	757.1	753.6	758.4	757.6	757.5	757.4	754.9	760.6	762.0	764.0	-	-	-	-
Air Temperature (in C)	29.3	-	30.4	28.	27.	30.	31.	-	-	31.	27.	26.	26.	-	-	-	-
Direction and Force of Winds (0-12)	ESE 3	-	SW 4	W 2	SW 5	WSW 2	N 1	NNE 1	S 2	SW 1	WSW 4	E 1	E 1	-	-	-	-
Weather	cloudy	-	fair	cloudy	rain	fair	clear	rain	cloudy	fair	cloudy	cloudy	clear	-	-	-	-

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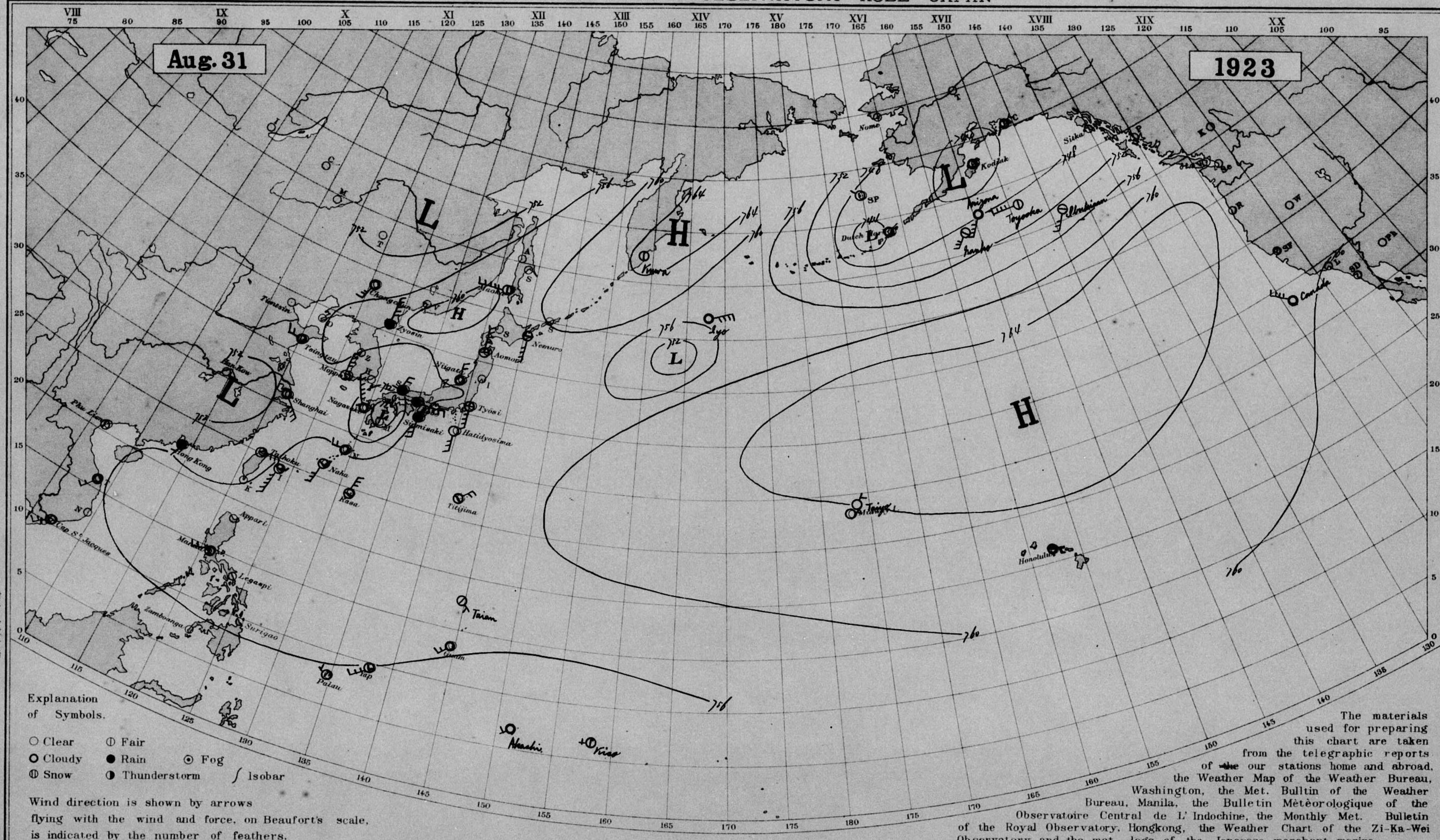


# DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the time of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 243



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刷 行  
人 發  
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所  
  
神 戶  
市 中  
山 手  
通 七  
丁 目  
  
海 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	Kôbe	Tyosi	Hatidyosima	Titi zima	Niigata	Aomori	Nemuro	Maoka	Moppo	Zyosin	Changchun	Tientsin	Tsingtau
Hour of Observation	12 <sup>h</sup> , 135E	12 <sup>h</sup> , 135E	12 <sup>h</sup> , 135E	12 <sup>h</sup> , 135E	12 <sup>h</sup> , 135E	12 <sup>h</sup> , 135E	12 <sup>h</sup> , 135E	12 <sup>h</sup> , 135E	12 <sup>h</sup> , 135E	12 <sup>h</sup> , 135E	12 <sup>h</sup> , 135E	12 <sup>h</sup> , 135E	12 <sup>h</sup> , 135E	12 <sup>h</sup> , 135E	12 <sup>h</sup> , 135E	12 <sup>h</sup> , 135E	12 <sup>h</sup> , 135E
Atm. Pressure (Red to m.s.l. and Strd. Gr. * not reduced to Strd. Gr.)	754.7	757.5	750.5	756.2	755.3	758.9	758.3	758.7	756.5	758.7	759.6	759.6	753.3	759.4	754.0	-	755.8
Air Temperature (in C)	33.3	30.6	26.3	23.7	24.3	29.0	30.5	31.6	32.4	27.4	22.9	20.2	32.6	18.4	22.1	-	27.4
Direction and Force of Winds (0-12)	E 3	SSW 3	NNW 6	S 3	E 5	S 4	S 3	NE 2	N 3	N 4	S 4	W 5	N 4	N 5	SSW 3	-	W 2
Weather	fair	fair	cloudy	rain	rain	fair	fair	cloudy	fair	fair	fair	fair	clear	rain	cloudy	-	cloudy
Station	Shanghai	Hankow	Rosa	Palau	Hongkong	Manila	Surigao	Guam	Yap	Phu-Lien	Cap-S-Jacques	Honolulu	Midway I.	Nome	Sitka	Dutch Harbor	Kodiak
Hour of Observation	12 <sup>h</sup> , 135E	12 <sup>h</sup> , 135E	12 <sup>h</sup> , 135E	12 <sup>h</sup> , 135E	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> , 135W	20 <sup>h</sup> , 135W	20 <sup>h</sup> , 135W	20 <sup>h</sup> , 135W
Atm. Pressure (Red to m.s.l. and Strd. Gr. * not reduced to Strd. Gr.)	753.9	-	759.0	757.7	755.9	*758.5	-	*757.9	*758.1	*755.2	*760.9	762.5	764.0	-	-	744.7	742.7
Air Temperature (in C)	27.9	-	23.0	28.3	26.	31.	-	-	-	32.	26.	23.	26.	-	-	9.	11.
Direction and Force of Winds (0-12)	SE 4	-	NNE 3	WNW 1	SSW 1	WSW 2	-	SW 2	SW 3	calm	SW 2	E 1	NE 1	-	-	NE -	calm
Weather	cloudy	-	fair	fair	rain	fair	-	cloudy	fair	fair	clear	cloudy	clear	-	-	cloudy	cloudy



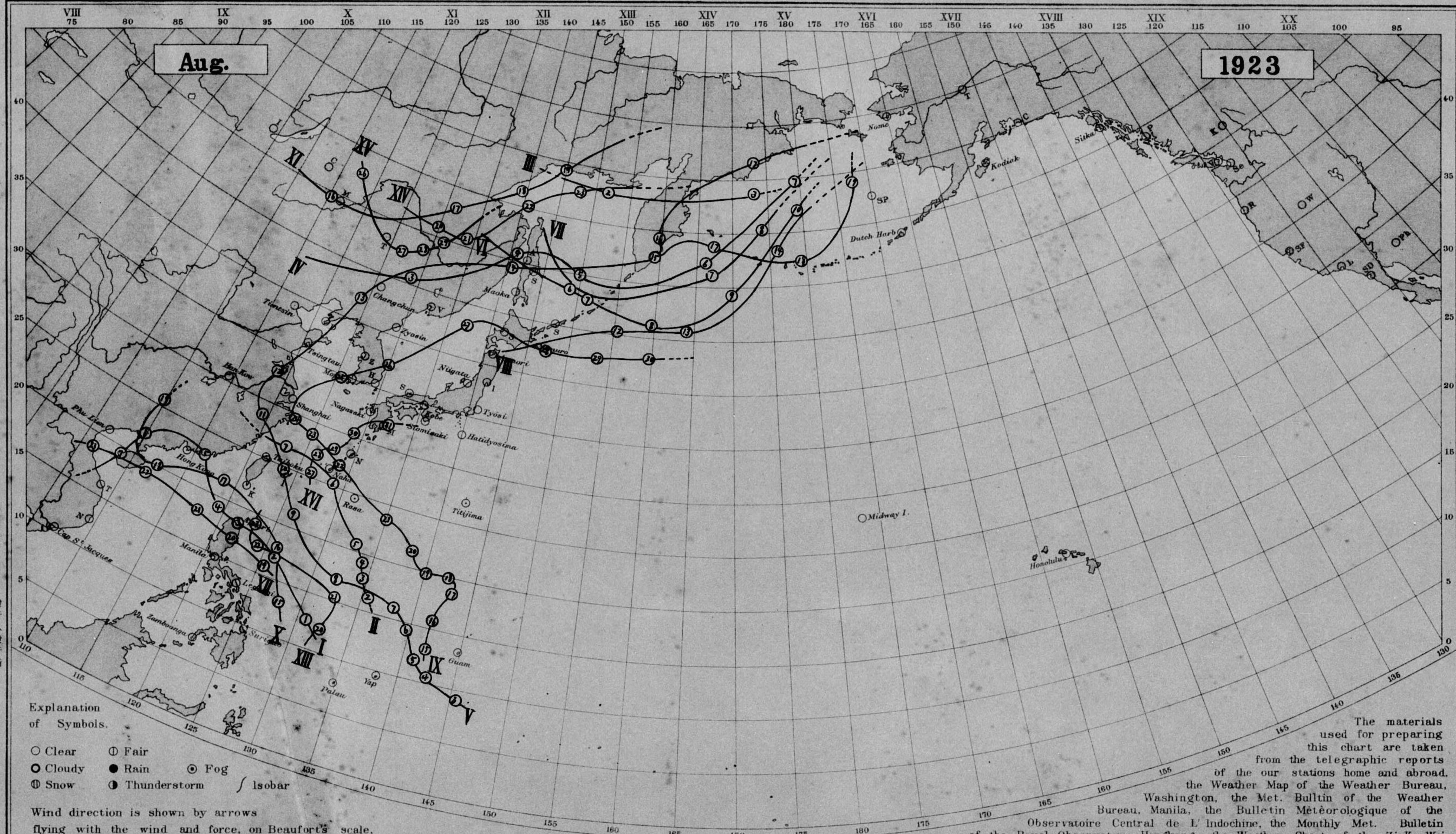
# DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the time of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No

Appendix: Tracks of Cyclones



Explanation of Symbols.

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

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

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

Station	Taihoku	Naha	Nagasaki	Siomisaki	Kobe	Tyosi	Hatidyosima	Titi zima	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. * not reduced to Srd Gr.)																	
Air Temperature (in C)																	
Direction and Force of Winds (0-12)																	
Weather																	
Station	Shanghai	Hankow	Rusa	Palau	Hongkong	Manila	Surigao	Guam	Yap	Phu-Lien	Cap-S-Jacques	Honolulu	Midway I.	Nome	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. * not reduced to Srd Gr.)						*	*	*	*	*	*						
Air Temperature (in C)																	
Direction and Force of Winds (0-12)																	
Weather																	

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



不許複製

大正十三年四月十日發行  
大正十三年四月七日印刷

印刷所  
海  
洋  
氣  
象  
臺

神戸市中山手通七丁目

印刷者  
發行兼  
海  
洋  
氣  
象  
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