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425-31

北太平洋天氣圖

昭和三年七月

戶神

臺象氣洋海

寄贈
3.12.20
帝國圖書館

DAILY WEATHER CHARTS

OF THE

NORTH PACIFIC OCEAN.

JULY

1928

發行所寄贈本

THE IMPERIAL MARINE OBSERVATORY,
KOBE, JAPAN.

發行人 發行所
印刷人 販賣所

神戸市中山手通七丁目

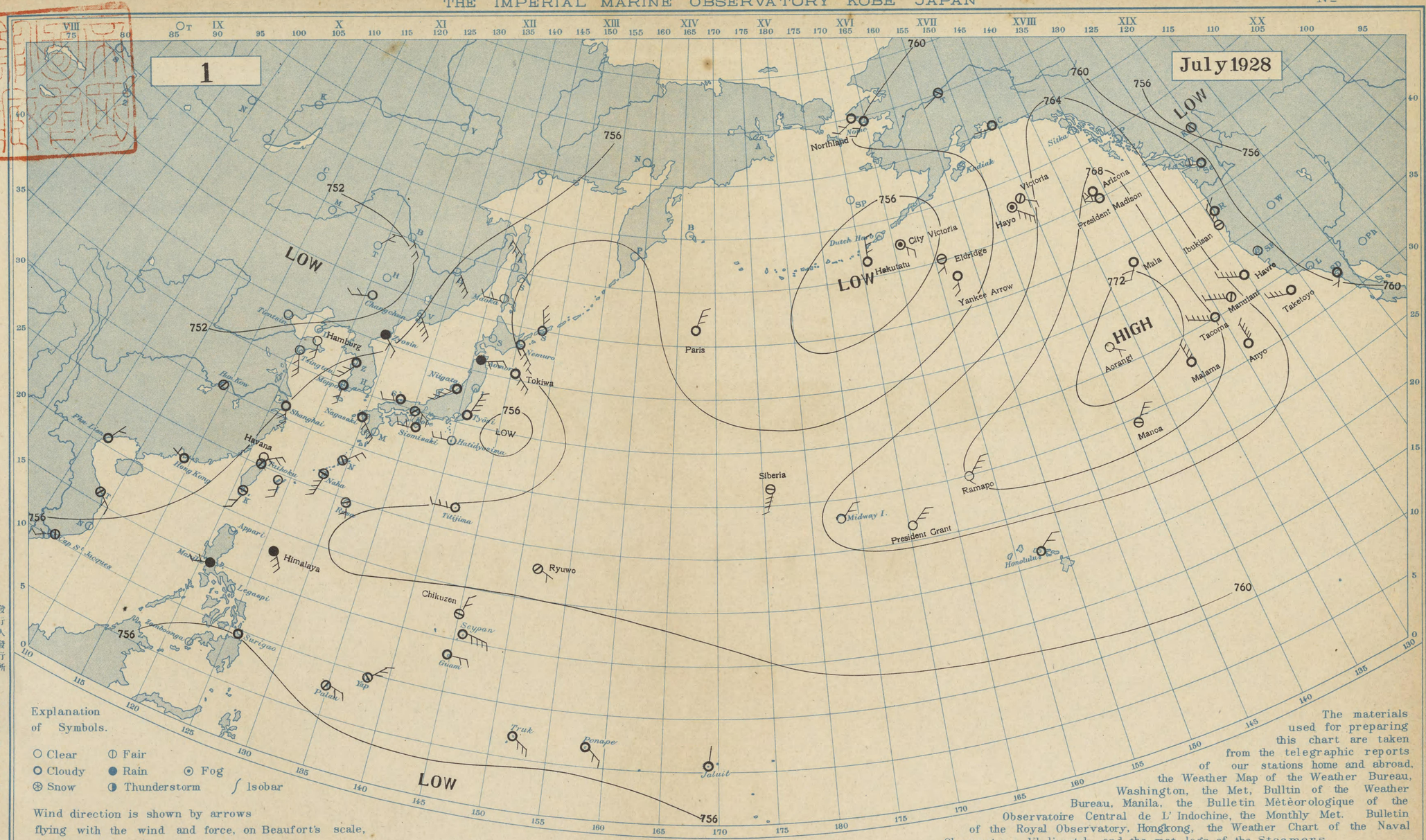
海洋氣象臺

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

№ 2009



Explanation of Symbols.

○ Clear ◐ Fair
○ Cloudy ● Rain ⊙ Fog
⊛ Snow ◑ Thunderstorm ∫ Isobar

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

The materials used for preparing this chart are taken from the telegraphic reports of our stations home and abroad, the Weather Map of the Weather Bureau, Washington, the Met, Bulltin of the Weather Bureau, Manila, the Bulletin Mètèorologique of the Observatoire Central de L' Indochine, the Monthly Met. Bulletin of the Royal Observatory, Hongkong, the Weather Chart of the Naval Observatory, Vladivostok, and the met. logs of the Steamers.

Station / Hour of Observation	Taihoku 12h, 135E	Naha 12h, 135E	Nagasaki 12h, 135E	Siomisaki 12h, 135E	Kôbe 12h, 135E	Tyôsi 12h, 135E	Hatidyôsima 12h, 135E	Titizima 12h, 135E	Niigata 12h, 135E	Aomori 12h, 135E	Nemuro 12h, 135E	Maoka 12h, 135E	Moppo 12h, 135E	Zyôsin 12h, 135E	Changchun 12h, 135E	Tientsin 12h, 135E	Tsingtau 12h, 135E
Atm. Pressure (Red. to m.s.l. and Strd. Gr.; * not reduced to Strd. Gr.)	757.0	758.7	758.2	757.0	757.2	757.2	757.7	760.0	757.5	756.8	761.6	759.2	756.5	754.0	750.8	751.4	753.9
Air Temperature (in C)	31.8	29.3	23.3	26.1	26.5	20.0	24.8	29.9	20.8	17.4	11.3	17.7	24.1	18.8	19.8	31.0	26.6
Direction and Force of Winds (0-12)	calm	SSW 4	SE 4	W 2	SE 2	NNE 4	W 2	W 3	SW 4	ENE 3	SE 3	W 2	S 2	SE 2	WSW 2	- 1	SSE 3
Weather	fair	fair	cloudy	cloudy	fair	cloudy	clear	cloudy	cloudy	rain	cloudy	clear	cloudy	rain	cloudy	clear	clear

Station / Hour of Observation	Shanghai 12h, 135E	Hankow 12h, 135E	Rasa 12h, 135E	Palau 12h, 135E	Hongkong 14h,	Manila 14h,	Surigao 14h,	Guam 14h,	Yap 14h,	Phu-Lien 10h,	Truk 6h	Jaluit 8h	Honolulu 20h,	Midway I. 18:30h	Nome 20h, 135W	Dutch Harbor 8h, 135W	Kodiak 8h, 135W
Atm. Pressure (Red. to m.s.l. and Strd Gr.; * not reduced to Strd Gr.)	756.1	755.4	759.7	757.6	755.4	*756.8	* 757.1	*758.1	* 759.1	* 754.6	756.5	758.8	762.0	764.5	760.5	-	-
Air Temperature (in C)	28.3	33.3	30.9	30.7	27.	30.	28.	-	-	27.	26.9	29.2	26.	26.	9.	-	-
Direction and Force of Winds (0-12)	SSE 2	calm	SSE 1	ESE 2	WNW 1	WSW 2	calm	E 2	NE 3	NNE 1	SE 3	N -	NE 2	NE 2	SW 2	-	-
Weather	cloudy	fair	fair	fair	cloudy	rain	cloudy	cloudy	fair	cloudy	cloudy	cloudy	cloudy	clear	cloudy	-	-

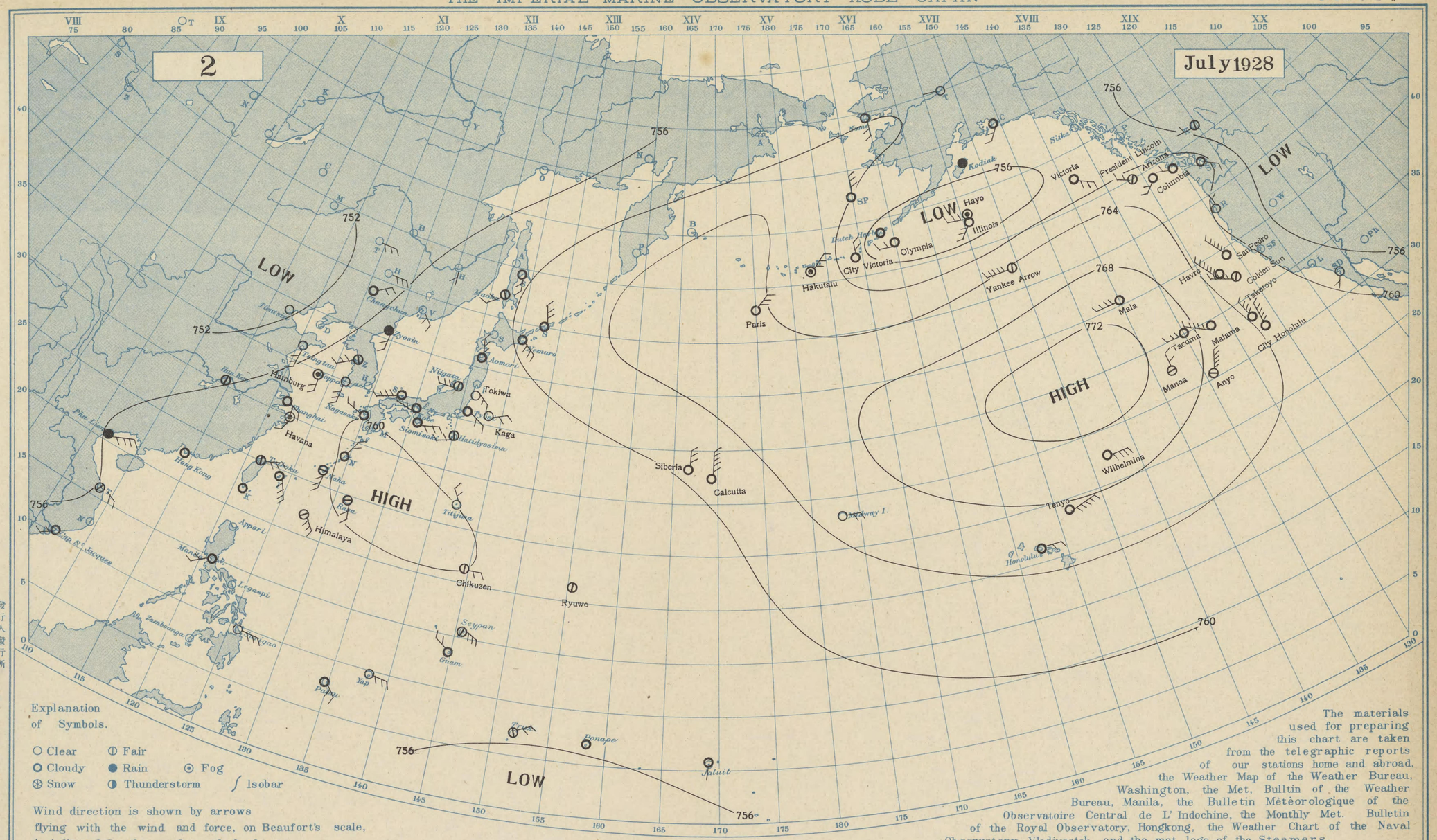
印刷人 發行人 發行所 神戸市中山手通七丁目 海洋氣象臺

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

№2010



Explanation of Symbols.

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Station / Hour of Observation	Taihoku 12h, 135E	Naha 12h, 135E	Nagasaki 12h, 135E	Siomisaki 12h, 135E	Kôbe 12h, 135E	Tyôsi 12h, 135E	Hatidyôsima 12h, 135E	Titizima 12h, 135E	Niigata 12h, 135E	Aomori 12h, 135E	Nemuro 12h, 135E	Maoka 12h, 135E	Moppo 12h, 135E	Zyôsin 12h, 135E	Changchun 12h, 135E	Tientsin 12h, 135E	Tsingtau 12h, 135E
Atm. Pressure (Red. to m.s.l. and Strd. Gr.) (* not reduced to Strd. Gr.)	757.4	759.7	760.2	758.1	758.4	758.3	758.6	759.9	757.7	757.4	761.1	759.2	758.5	757.6	754.1	751.7	755.4
Air Temperature (in C)	28.2	31.5	22.5	24.9	26.6	21.9	25.2	29.4	24.5	17.6	11.5	17.4	27.7	16.6	22.3	35.0	27.4
Direction and Force of Winds (0-12)	ENE 3	S 3	WNW 2	ENE 3	WNW 3	SE 2	WSW 2	NNW 2	W 3	NNW 3	SE 3	SW 2	S 3	S 2	NE 2	- 1	S 3
Weather	fair	fair	cloudy	cloudy	cloudy	cloudy	fair	clear	fair	cloudy	cloudy	fair	clear	rain	cloudy	clear	clear

Station / Hour of Observation	Shanghai 12h, 135E	Hankow 12h, 135E	Rasa 12h, 135E	Palau 12h, 135E	Hongkong 14h,	Manila 14h,	Surigao 14h,	Guam 14h,	Yap 14h,	Phu-Lien 10h,	Truk 6h	Jaluit 8h	Honolulu 20h,	Midway I. 18:30h	Nome 20h, 135W	Dutch Harbor 8h, 135W	Kodiak 8h, 135W
Atm. Pressure (Red. to m.s.l. and Strd Gr.) (* not reduced to Strd Gr.)	756.9	755.8	760.3	757.2	756.3	* 756.6	* 757.6	* 758.4	* 758.4	* 756.3	756.6	758.8	764.5	764.5	759.5	754.9	757.9
Air Temperature (in C)	29.7	33.4	31.2	29.4	28.	31.	33.	-	-	25.	30.1	25.4	24.	26.	8.	8.	10.
Direction and Force of Winds (0-12)	ESE 2	- 1	SSE 2	SE 2	calm	SW 2	E 3	NW 2	E 3	ENE 4	NE 2	S -	E 2	E 2	S 2	calm	calm
Weather	cloudy	fair	fair	cloudy	cloudy	cloudy	clear	cloudy	clear	rain	fair	cloudy	cloudy	clear	cloudy	cloudy	rain

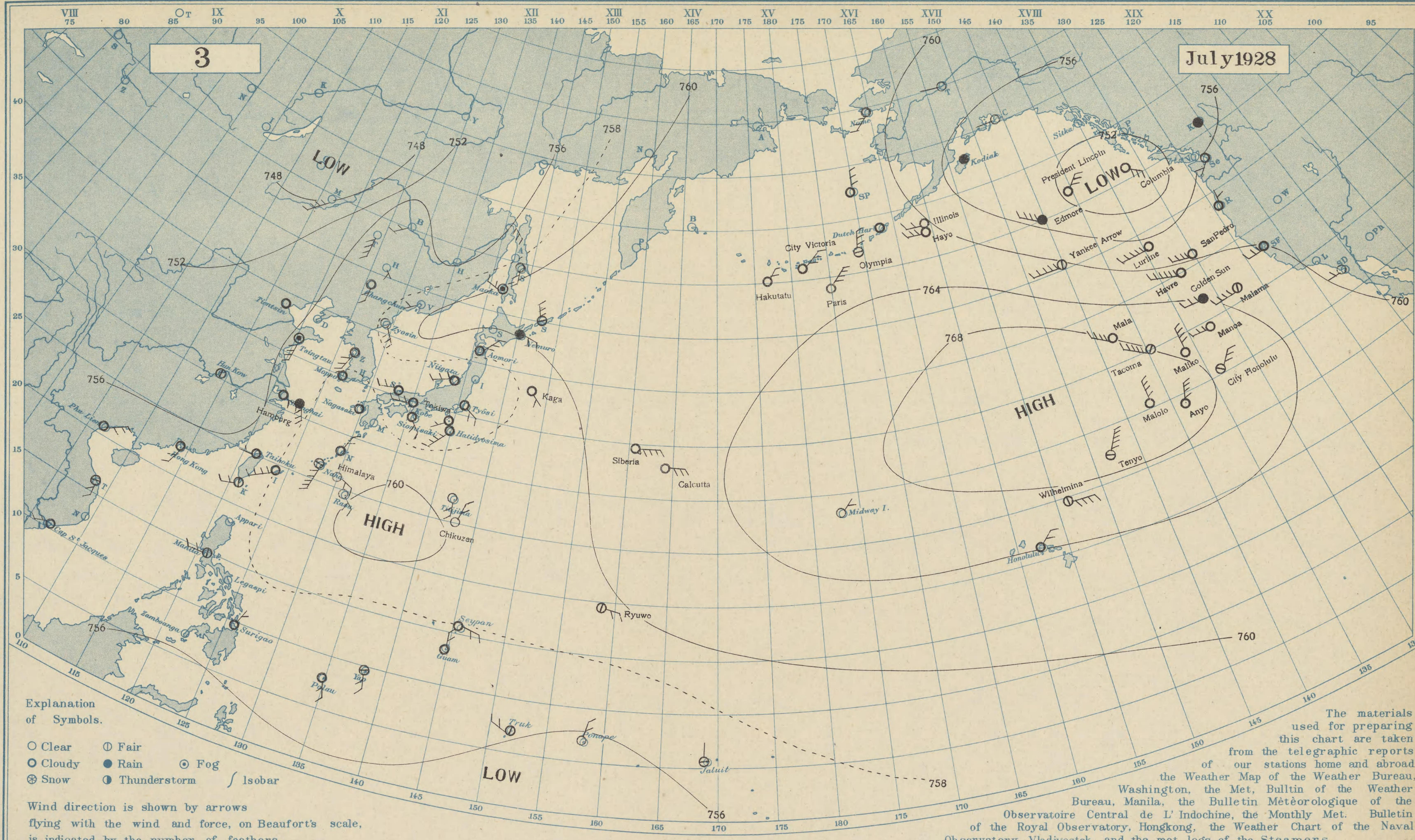
印刷人 販賣所 神戸市中山手通七丁目 海洋氣象臺
發行人 發行所

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

№ 2011



Explanation of Symbols.

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○ Cloudy　● Rain　⊙ Fog
⊛ Snow　◑ Thunderstorm　∫ Isobar

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Station / Hour of Observation	Taihoku 12h, 135E	Naha 12h, 135E	Nagasaki 12h, 135E	Siomisaki 12h, 135E	Kôbe 12h, 135E	Tyôsi 12h, 135E	Hatidyôsima 12h, 135E	Titizima 12h, 135E	Niigata 12h, 135E	Aomori 12h, 135E	Nemuro 12h, 135E	Maoka 12h, 135E	Moppo 12h, 135E	Zyôsin 12h, 135E	Changchun 12h, 135E	Tientsin 12h, 135E	Tsingtau 12h, 135E
Atm. Pressure (Red. to m.s.l. and Strd. Gr.) (* not reduced to Strd. Gr.)	757.1	758.3	760.3	757.5	757.8	756.4	757.5	759.2	757.4	758.1	760.4	760.4	758.5	759.6	756.3	754.0	756.4
Air Temperature (in C)	31.2	29.7	22.6	25.1	26.2	25.0	26.1	29.5	23.2	18.0	13.0	13.8	25.2	19.2	26.5	32.0	24.1
Direction and Force of Winds (0-12)	W 1	SSW 5	calm	SE 2	W 3	SE 2	SW 4	S 2	WSW 3	NE 3	ESE 2	WNW 2	calm	SE 3	S 2	- 1	S 4
Weather	cloudy	fair	cloudy	cloudy	cloudy	cloudy	cloudy	clear	cloudy	cloudy	rain	fog	cloudy	clear	cloudy	cloudy	fog

Station / Hour of Observation	Shanghai 12h, 135E	Hankow 12h, 135E	Rasa 12h, 135E	Palau 12h, 135E	Hongkong 14h,	Manila 14h,	Surigao 14h,	Guam 14h,	Yap 14h,	Phu-Lien 10h,	Truk 6h	Jaluit 8h	Honolulu 20h,	Midway I. 18:30h	Nome 20h, 135W	Dutch Harbor 8h, 135W	Kodiak 8h, 135W
Atm. Pressure (Red. to m.s.l. and Strd Gr.) (* not reduced to Strd Gr.)	756.4	755.4	759.8	757.4	756.3	*757.6	*757.6	*758.8	*758.4	*756.5	756.4	758.2	764.0	765.5	760.5	761.0	754.9
Air Temperature (in C)	25.1	33.7	31.8	29.8	30.	32.	30.	-	-	23.	28.1	29.6	24.	26.	8.	7.	9.
Direction and Force of Winds (0-12)	E 2	- 1	SE 2	SSE 2	SSW 2	W 2	NNE 1	N 2	SSE 2	NE 3	WNW 2	N 1	NE 2	NE 1	SW 3	calm	calm
Weather	cloudy	fair	clear	cloudy	cloudy	fair	cloudy	cloudy	fair	cloudy	fair	fair	cloudy	clear	cloudy	cloudy	rain

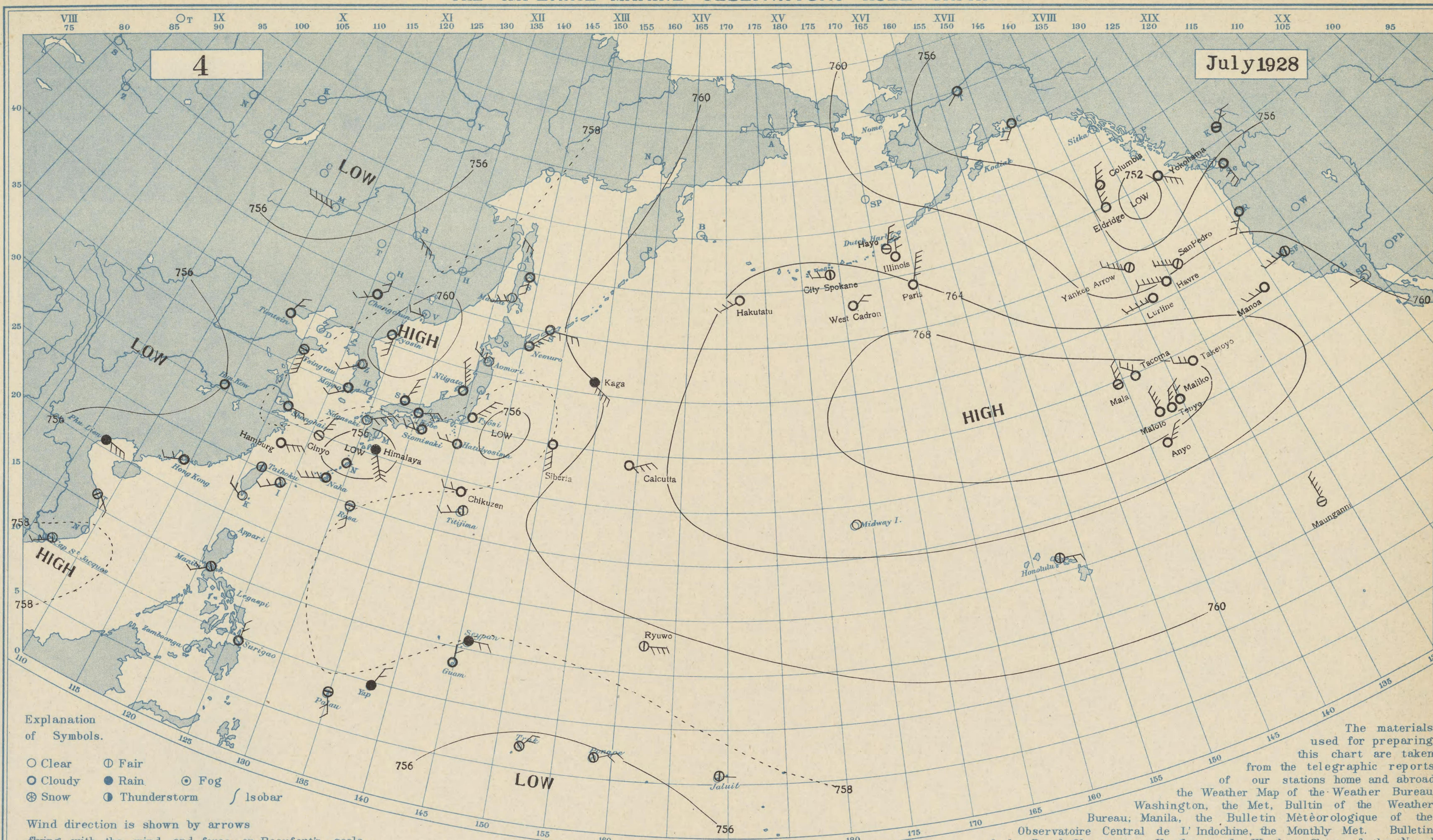
發行人發行所
印刷人販賣所
神戸市中山手通七丁目
海洋氣象臺

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 2012



Explanation of Symbols.

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Station / Hour of Observation	Taihoku 12h, 135E	Naha 12h, 135E	Nagasaki 12h, 135E	Siomisaki 12h, 135E	Kôbe 12h, 135E	Tyôsi 12h, 135E	Hatidyôsima 12h, 135E	Titizima 12h, 135E	Niigata 12h, 135E
Atm. Pressure (Red. to m.s.l. and Strd. Gr.) (* not reduced to Strd. Gr.)	757.4	756.5	756.5	757,1	758.4	757.4	757.3	759.0	758.4
Air Temperature (in C)	32.5	26.1	27.3	27.5	26.6	20.0	25.5	30.7	22.2
Direction and Force of Winds (0-12)	calm	WSW 4	NE 4	W 2	ENE 2	NE 4	W 3	WSW 2	NNW 5
Weather	fair	cloudy	clear	cloudy	cloudy	cloudy	cloudy	fair	cloudy
Station / Hour of Observation	**Shanghai 12h, 135E**	**Hankow 12h, 135E**	**Rasa 12h, 135E**	**Palau 12h, 135E**	**Hongkong 14h,**	**Manila 14h,**	**Surigao 14h,**	**Guam 14h,**	**Yap 14h,**
Atm. Pressure (Red. to m.s.l. and Strd Gr.) (* not reduced to Strd Gr.)	759.0	755.9	758.0	757.5	756.3	*757.2	* 757.6	*758.5	* 758.9
Air Temperature (in C)	24.9	33.1	31.0	30.6	30.	32.	30.	-	-
Direction and Force of Winds (0-12)	E 2	- 1	SSE 2	SSE 2	WSW 2	SW 2	N 2	N 2	NNE 2
Weather	cloudy	cloudy	fair	fair	cloudy	fair	cloudy	cloudy	rain

Station / Hour of Observation	Aomori 12h, 135E	Nemuro 12h, 135E	Maoka 12h, 135E	Moppo 12h, 135E	Zyôsin 12h, 135E	Changchun 12h, 135E	Tientsin 12h, 135E	Tsingtau 12h, 135E
Atm. Pressure	759.1	759.1	758.9	759.2	761.7	757.0	757.2	757.8
Air Temperature (in C)	18.9	12.0	16.9	25.6	19.0	27.6	27.3	25.8
Direction and Force of Winds (0-12)	NW 3	NE 4	WSW 3	SW 2	S 3	SW 2	NNE 2	S 4
Weather	clear	cloudy	clear	cloudy	cloudy	cloudy	cloudy	fair
Station / Hour of Observation	**Phu-Lien 10h,**	**Truk 6h**	**Jaluit 8h**	**Honolulu 20h,**	**Midway I. 18:30h**	**Nome 20h, 135W**	**Dutch Harbor 18h, 135W**	**Kodiak 18h, 135W**
Atm. Pressure	*756.9	755.6	758.6	763.0	765.5	-	-	-
Air Temperature (in C)	24.	29.0	29.4	24.	26.	-	-	-
Direction and Force of Winds (0-12)	E 4	NE 2	E 1	E 2	calm	-	-	-
Weather	rain	fair	fair	fair	clear	-	-	-

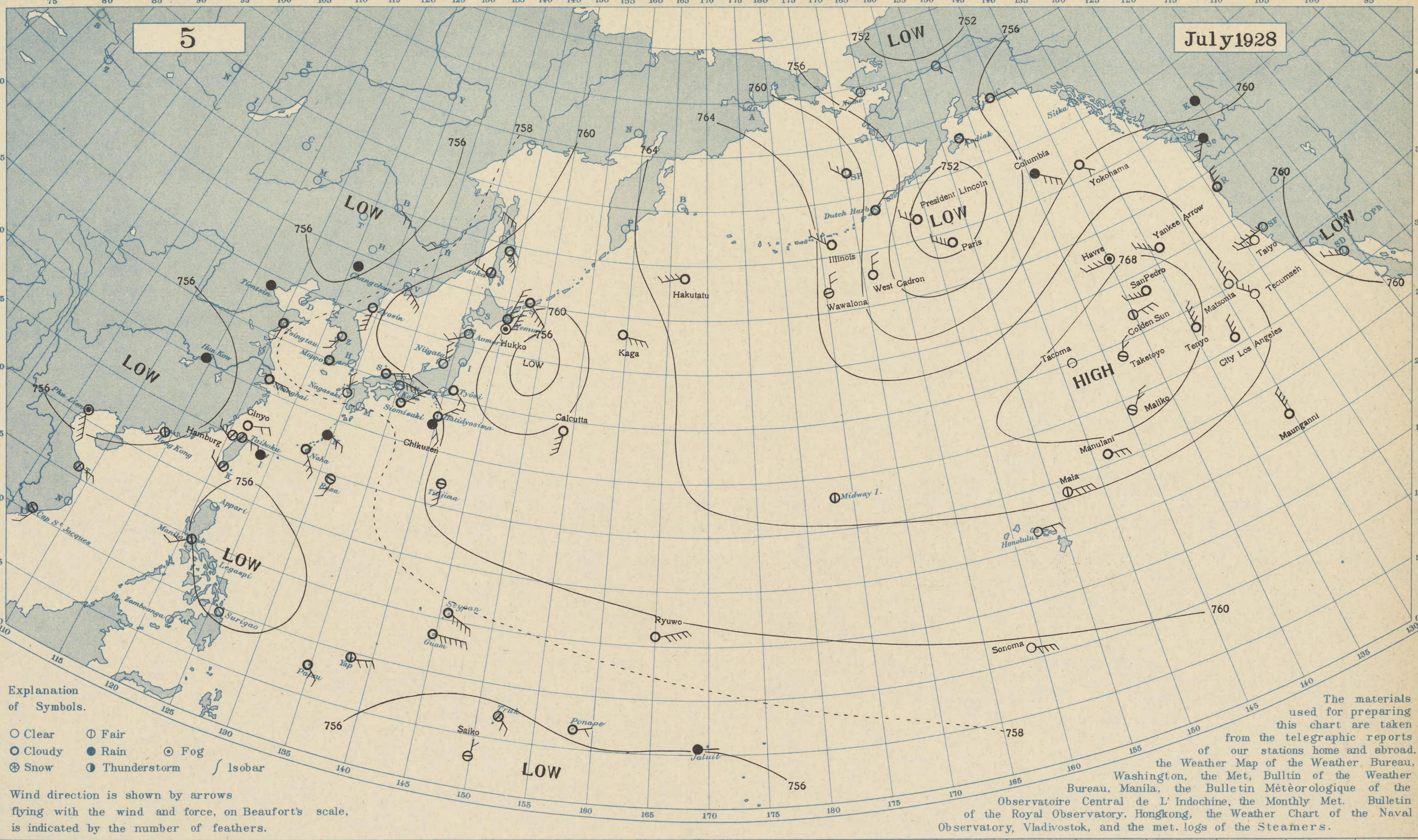
發行人發行所 印刷人販賣所 神戸市中山手通七丁目 海洋氣象臺

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

№ 2013



Explanation of Symbols.

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Station / Hour of Observation	Taihoku 12h, 135E	Naha 12h, 135E	Nagasaki 12h, 135E	Siomisaki 12h, 135E	Kôbe 12h, 135E	Tyôsi 12h, 135E	Hatidyôsima 12h, 135E	Titizima 12h, 135E	Niigata 12h, 135E	Aomori 12h, 135E	Nemuro 12h, 135E	Maoka 12h, 135E	Moppo 12h, 135E	Zyôsin 12h, 135E	Changchun 12h, 135E	Tientsin 12h, 135E	Tsingtau 12h, 135E
Atm. Pressure (Red. to m.s.l. and Strd. Gr.; * not reduced to Strd. Gr.)	756.3	756.3	758.1	758.1	758.7	760.9	759.6	760.4	761.3	760.7	759.7	761.0	758.8	759.3	755.6	757.1	758.0
Air Temperature (in C)	32.2	28.4	27.0	22.8	27.7	21.4	23.8	29.9	22.7	23.2	12.1	19.1	27.3	20.2	19.7	22.3	23.2
Direction and Force of Winds (0-12)	E 2	SE 3	NNW 2	NE 5	ESE 4	SE 2	NE 3	S 3	N 3	SW 2	NNE 5	WNW 2	calm	S 4	calm	- 1	S 2
Weather	fair	cloudy	clear	cloudy	clear	cloudy	cloudy	fair	clear	clear	cloudy	fair	cloudy	cloudy	rain	rain	cloudy

Station / Hour of Observation	Shanghai 12h, 135E	Hankow 12h, 135E	Rasa 12h, 135E	Palau 12h, 135E	Hongkong 14h,	Manila 14h,	Surigao 14h,	Guam 14h,	Yap 14h,	Phu-Lien 10h,	Truk 6h	Jaluit 8h	Honolulu 20h,	Midway I. 18:30h	Nome 20h, 135W	Dutch Harbor 8h, 135W	Kodiak 8h, 135W
Atm. Pressure (Red. to m.s.l. and Strd Gr.; * not reduced to Strd Gr.)	757.6	755.3	757.2	756.8	755.4	*756.6	*756.3	*757.5	*758.1	*755.1	755.8	757.0	762.5	765.0	754.4	758.4	754.4
Air Temperature (in C)	25.6	27.1	31.7	30.8	32.	32.	30.	-	-	28.	28.3	28.2	24.	26.	12.	7.	9.
Direction and Force of Winds (0-12)	E 3	- 1	SSW 2	SE 2	SW 1	SW 2	calm	E 6	ENE 3	SSE 5	SE 2	E -	E 3	calm	SW 3	NE 2	SE 2
Weather	cloudy	rain	fair	cloudy	fair	fair	clear	cloudy	fair	fog	fair	rain	clear	fair	clear	cloudy	cloudy

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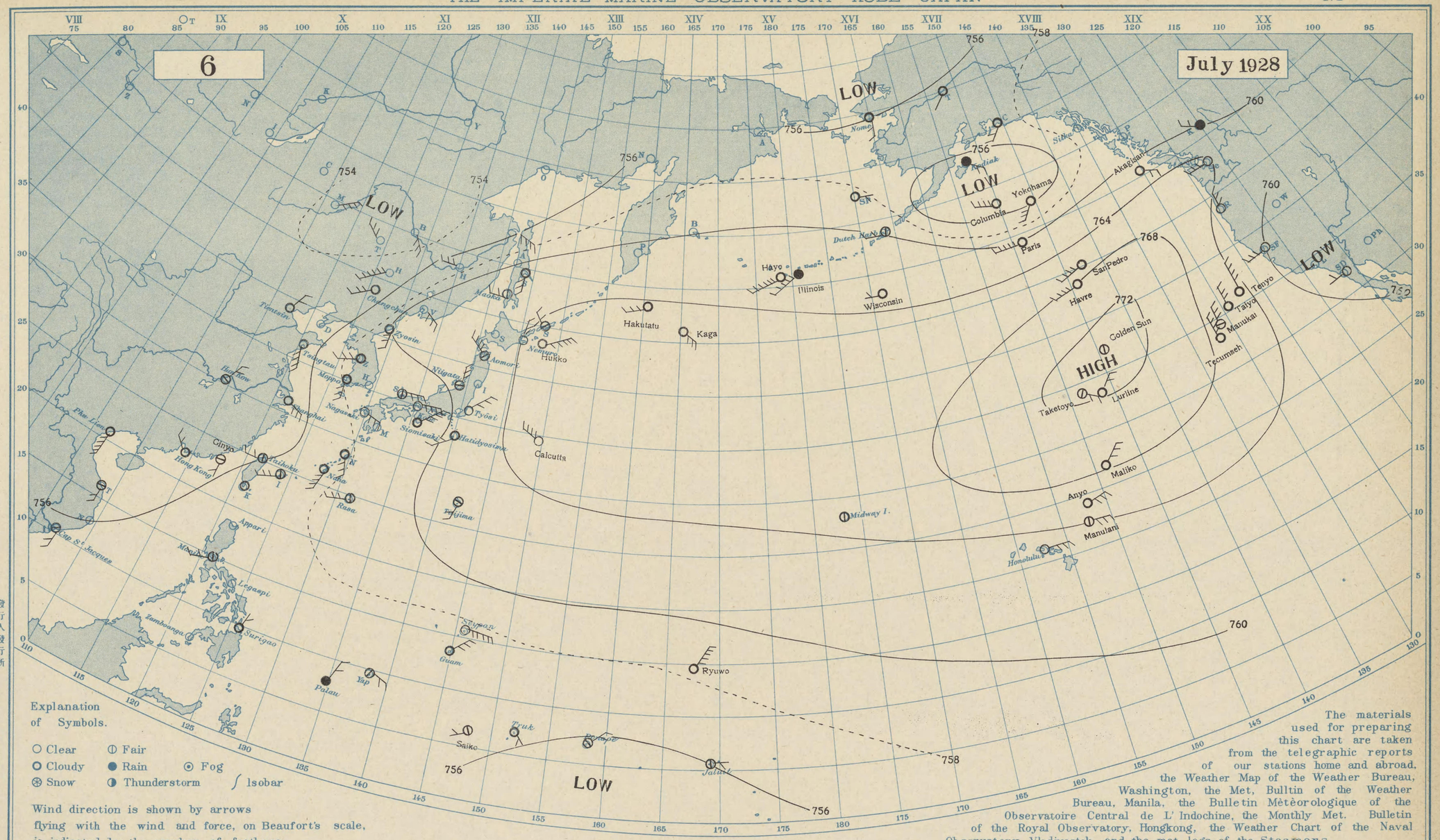
DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

№ 2014



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Atm. Pressure (Red. to m.s.l. and Strd. Gr.) * not reduced to Strd. Gr.	756.1	756.8	759.1	758.4	759.3	762.5	760.5	761.6	760.8	761.3	764.0	762.1	758.0	759.9	755.1	755.1	755.6
Air Temperature (in C)	32.0	29.0	28.1	23.9	28.8	23.1	26.8	23.0	24.5	21.0	13.8	17.8	26.0	19.2	26.2	21.2	22.0
Direction and Force of Winds (0-12)	W 2	SSW 4	ESE 3	NE 5	E 5	NE 3	SW 3	SSW 2	N 3	NW 4	N 2	W 2	SSE 3	S 3	SW 3	NNE 2	SSE 4
Weather	fair	cloudy	clear	cloudy	clear	clear	cloudy	fair	fair	fair	clear	fair	cloudy	cloudy	cloudy	cloudy	cloudy

Station Hour of Observation	Shanghai 12h, 135E	Hankow 12h, 135E	Rasa 12h, 135E	Palau 12h, 135E	Hongkong 14h,	Manila 14h,	Surigao 14h,	Guam 14h,	Yap 14h,	Phu-Lien 10h,	Truk 6h	Jaluit 8h	Honolulu 20h,	Midway I. 18:30h	Nome 20h, 135W	Dutch Harbor 8h, 135W	Kodiak 8h, 135W
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Air Temperature (in C)	29.5	30.3	30.9	26.1	30.	32.	30.	-	-	27.	24.3	29.4	24.	26.	20.	8.	9.
Direction and Force of Winds (0-12)	ESE 3	NNE 2	WSW 3	NNE 2	NW 2	WSW 2	NNE 1	NE 3	ESE 2	S 5	SE 1	E 1	E 3	calm	S 2	W 2	SE 2
Weather	cloudy	fair	fair	rain	cloudy	fair	cloudy	cloudy	fair	cloudy	cloudy	fair	clear	fair	cloudy	fair	rain

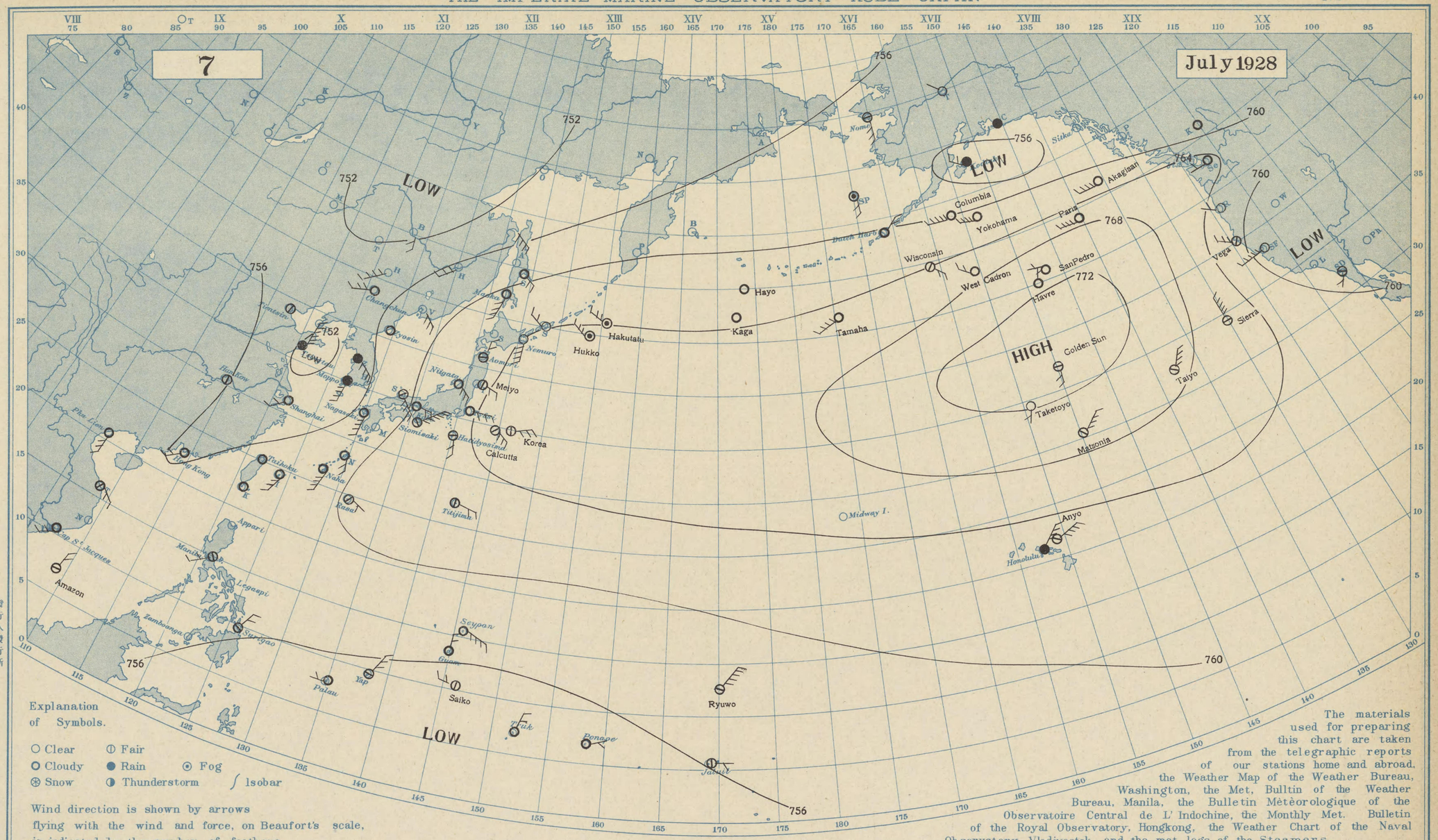
發行人 發行所
印刷人 販賣所
神戸市中山手通七丁目
海洋氣象臺

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

№ 2015



Explanation of Symbols.

○ Clear ◐ Fair
● Cloudy ● Rain ⊙ Fog
⊛ Snow ◑ Thunderstorm ∫ Isobar

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

The materials used for preparing this chart are taken from the telegraphic reports of our stations home and abroad, the Weather Map of the Weather Bureau, Washington, the Met, Bulltin of the Weather Bureau, Manila, the Bulletin Mètèorologique of the Observatoire Central de L' Indochine, the Monthly Met. Bulletin of the Royal Observatory, Hongkong, the Weather Chart of the Naval Observatory, Vladivostok, and the met. logs of the Steamers.

Station / Hour of Observation	Taihoku 12h, 135E	Naha 12h, 135E	Nagasaki 12h, 135E	Siomisaki 12h, 135E	Kôbe 12h, 135E	Tyôsi 12h, 135E	Hatidyôsima 12h, 135E	Titizima 12h, 135E	Niigata 12h, 135E	Aomori 12h, 135E	Nemuro 12h, 135E	Maoka 12h, 135E	Moppo 12h, 135E	Zyôsin 12h, 135E	Changchun 12h, 135E	Tientsin 12h, 135E	Tsingtau 12h, 135E
Atm. Pressure (Red. to m.s.l. and Strd. Gr. / * not reduced to Strd. Gr.)	757.0	759.0	758.5	761.0	760.8	763.7	761.4	762.1	760.4	762.8	764.8	761.5	753.9	758.2	754.4	754.6	751.6
Air Temperature (in C)	32.1	29.3	26.0	25.7	29.1	23.3	27.7	30.5	29.4	22.0	13.5	16.4	23.7	20.7	26.7	26.2	20.0
Direction and Force of Winds (0-12)	calm	SSW 4	S 4	NE 5	ESE 2	E 3	SSE 2	ESE 2	SE 3	N 2	S 4	SSW 4	S 4	calm	WSW 3	- 1	N 6
Weather	cloudy	cloudy	cloudy	fair	cloudy	cloudy	fair	fair	cloudy	fair	clear	cloudy	rain	cloudy	cloudy	fair	rain

Station / Hour of Observation	Shanghai 12h, 135E	Hankow 12h, 135E	Rasa 12h, 135E	Palau 12h, 135E	Hongkong 14h,	Manila 14h,	Surigao 14h,	Guam 14h,	Yap 14h,	Phu-Lien 10h,	Truk 6h	Jaluit 8h	Honolulu 20h,	Midway I. 18:30h	Nome 20h, 135W	Dutch Harbor 18h, 135W	Kodiak 18h, 135W
Atm. Pressure (Red. to m.s.l. and Strd Gr. / * not reduced to Strd Gr.)	755.1	756.3	760.6	755.7	755.7	* 757.1	* 757.4	* 757.2	* 757.1	* 756.4	755.9	757.5	763.0	-	757.9	760.5	752.8
Air Temperature (in C)	28.7	31.5	30.4	29.9	30.	32.	31.	-	-	28.	27.9	29.3	23.	-	7.	8.	10.
Direction and Force of Winds (0-12)	SW 2	calm	ESE 1	W 1	SW 2	SW 2	NNE 2	N 2	NNE 3	S 3	NNE 2	E 1	NE 4	-	S 3	NE 2	NW 2
Weather	cloudy	fair	fair	cloudy	cloudy	fair	fair	cloudy	fair	cloudy	cloudy	fair	rain	-	fair	cloudy	rain

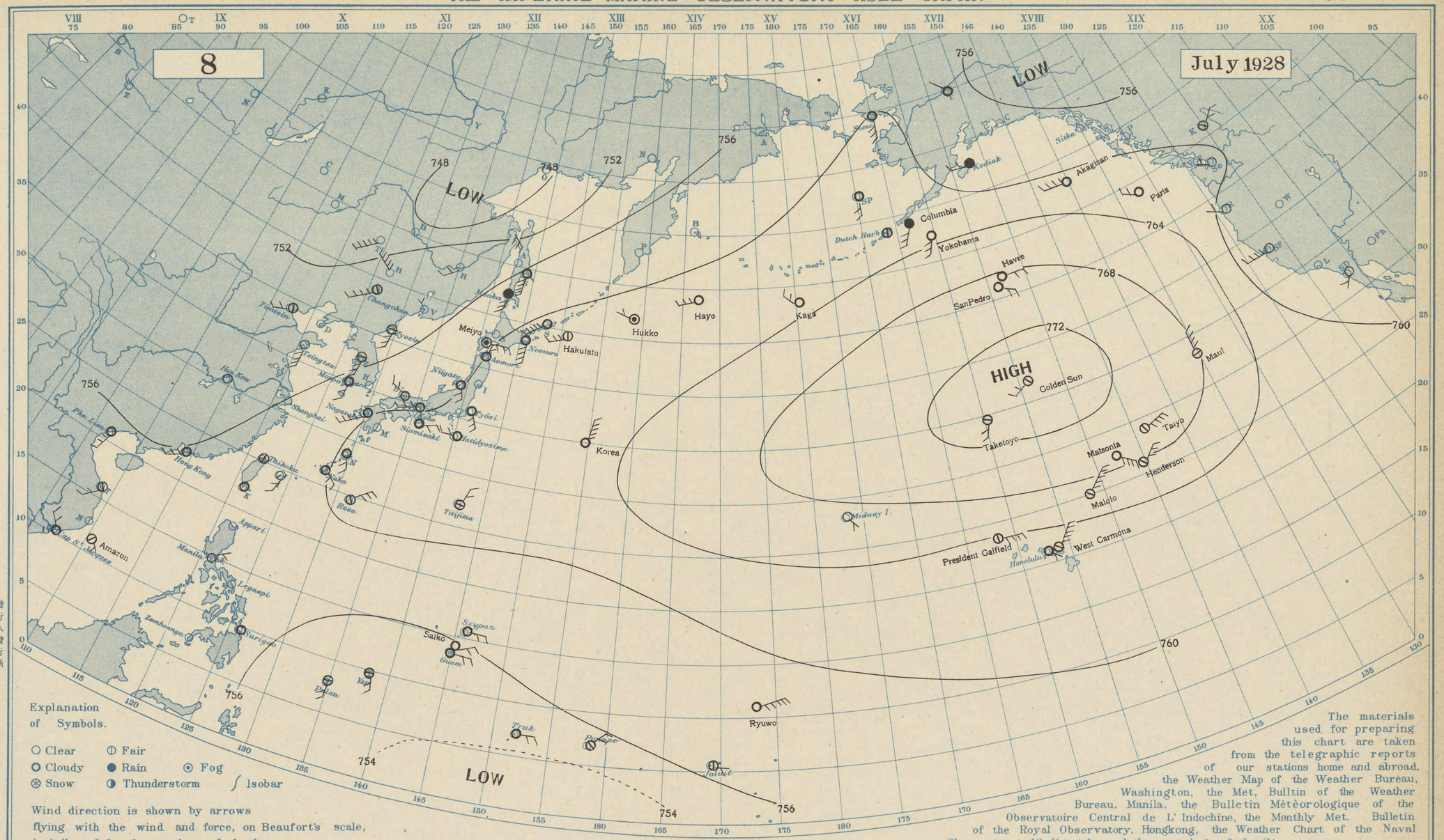
印刷人 販賣所 神戸市中山手通七丁目 海洋氣象臺
發行人 發行所

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

№ 2016



Explanation of Symbols.

○ Clear ◐ Fair
● Cloudy ● Rain ⊙ Fog
⊛ Snow ◑ Thunderstorm ∫ Isobar

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

The materials used for preparing this chart are taken from the telegraphic reports of our stations home and abroad, the Weather Map of the Weather Bureau, Washington, the Met. Bulltin of the Weather Bureau, Manila, the Bulletin Mètèorologique of the Observatoire Central de L' Indochine, the Monthly Met. Bulletin of the Royal Observatory, Hongkong, the Weather Chart of the Naval Observatory, Vladivostok, and the met. logs of the Steamers.

Station / Hour of Observation	Taihoku 12h, 135E	Naha 12h, 135E	Nagasaki 12h, 135E	Siomisaki 12h, 135E	Kôbe 12h, 135E	Tyôsi 12h, 135E	Hatidyôsima 12h, 135E	Titizima 12h, 135E	Niigata 12h, 135E	Aomori 12h, 135E	Nemuro 12h, 135E	Maoka 12h, 135E	Moppo 12h, 135E	Zyôsin 12h, 135E	Changchun 12h, 135E	Tientsin 12h, 135E	Tsingtau 12h, 135E
Atm. Pressure (Red. to m.s.l. and Strd. Gr.) (* not reduced to Strd. Gr.)	757.9	759.5	760.0	761.2	759.5	762.4	761.5	760.8	759.9	760.1	763.1	758.2	756.8	755.3	752.2	753.2	755.2
Air Temperature (in C)	32.5	29.9	26.3	25.4	29.6	25.4	26.0	32.1	27.9	20.5	13.0	17.7	28.1	21.2	27.6	27.9	24.4
Direction and Force of Winds (0-12)	calm	SE 2	SW 5	ENE 2	WSW 3	SSE 3	W 2	NNE 2	SSE 2	N 2	S 4	SSW 3	S 2	S 3	SW 4	WSW 2	S 4
Weather	fair	cloudy	cloudy	cloudy	cloudy	cloudy	cloudy	fair	cloudy	cloudy	cloudy	rain	cloudy	fair	fair	fair	clear

Station / Hour of Observation	Shanghai 12h, 135E	Hankow 12h, 135E	Rasa 12h, 135E	Palau 12h, 135E	Hongkong 14h,	Manila 14h,	Surigao 14h,	Guam 14h,	Yap 14h,	Phu-Lien 10h,	Truk 6h	Jaluit 8h	Honolulu 20h,	Midway I. 18:30h	Nome 20h, 135W	Dutch Harbor 18h, 135W	Kodiak 18h, 135W
Atm. Pressure (Red. to m.s.l. and Strd Gr.) (* not reduced to Strd Gr.)	756.1	755.6	760.5	755.5	756.0	* 758.7	* 758.1	* 757.3	* 757.4	* 756.2	754.8	757.7	-	-	760.0	762.0	758.4
Air Temperature (in C)	27.9	33.8	31.1	30.5	30.	24.	24.	-	-	27.	27.5	30.2	-	-	10.	8.	12.
Direction and Force of Winds (0-12)	calm	- 1	NE 3	S 2	SW 3	NE 1	calm	E 2	SSE 2	SSW 3	E 2	E 1	-	-	S 3	calm	W 2
Weather	cloudy	clear	fair	fair	cloudy	clear	cloudy	cloudy	fair	cloudy	cloudy	fair	-	-	cloudy	fair	rain

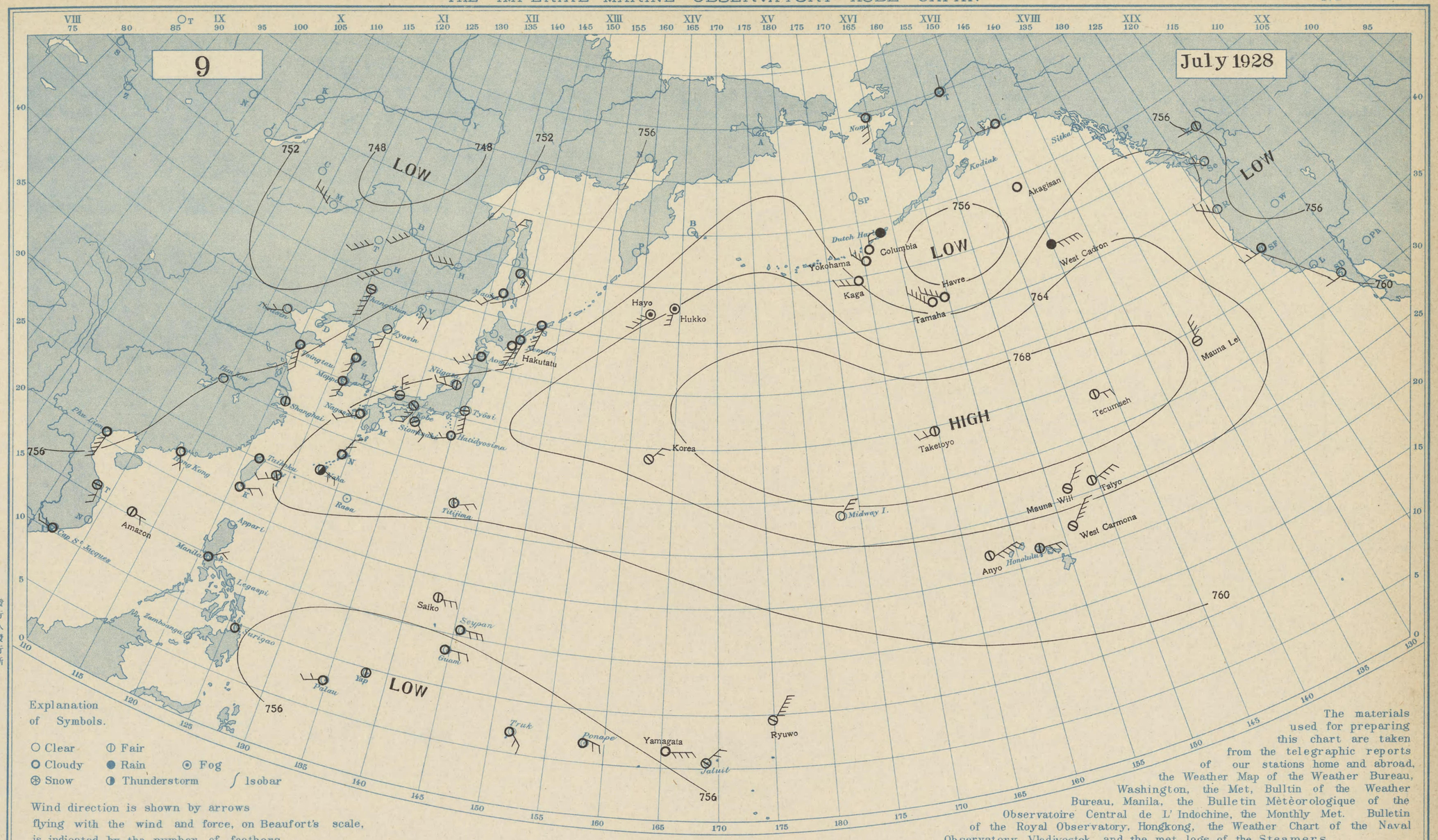
印刷人 發行人 發行所 神戸市中山手通七丁目 海洋氣象臺

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

№ 2017



Explanation of Symbols.

○ Clear ◐ Fair
● Cloudy ● Rain ⊙ Fog
⊛ Snow ◑ Thunderstorm ∫ Isobar

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

The materials used for preparing this chart are taken from the telegraphic reports of our stations home and abroad, the Weather Map of the Weather Bureau, Washington, the Met, Bulltin of the Weather Bureau, Manila, the Bulletin Mètèorologique of the Observatoire Central de L' Indochine, the Monthly Met. Bulletin of the Royal Observatory, Hongkong, the Weather Chart of the Naval Observatory, Vladivostok, and the met. logs of the Steamers.

Station / Hour of Observation	Taihoku 12h, 135E	Naha 12h, 135E	Nagasaki 12h, 135E	Siomisaki 12h, 135E	Kôbe 12h, 135E	Tyôsi 12h, 135E	Hatidyôsima 12h, 135E	Titizima 12h, 135E	Niigata 12h, 135E	Aomori 12h, 135E	Nemuro 12h, 135E	Maoka 12h, 135E	Moppo 12h, 135E	Zyôsin 12h, 135E	Changchun 12h, 135E	Tientsin 12h, 135E	Tsingtau 12h, 135E
Atm. Pressure (Red. to m.s.l. and Strd. Gr.) (* not reduced to Strd. Gr.)	759.0	760.9	761.5	761.6	761.5	762.1	762.1	760.3	760.7	758.6	757.3	755.5	758.9	757.4	752.5	752.5	755.8
Air Temperature (in C)	33.7	24.9	27.9	26.4	30.0	26.9	26.1	32.2	28.4	27.5	15.7	16.6	26.2	22.8	28.0	30.2	26.8
Direction and Force of Winds (0-12)	calm	ESE 2	SW 3	SE 2	SSW 3	S 4	WSW 2	ENE 2	W 2	SW 3	SSW 4	SW 3	S 2	S 2	S 5	WSW 2	SSE 4
Weather	cloudy	th.s	cloudy	fair	fair	fair	cloudy	fair	fair	cloudy	cloudy	cloudy	cloudy	clear	fair	clear	cloudy

Station / Hour of Observation	Shanghai 12h, 135E	Hankow 12h, 135E	Rasa 12h, 135E	Palau 12h, 135E	Hongkong 14h,	Manila 14h,	Surigao 14h,	Guam 14h,	Yap 14h,	Phu-Lien 10h,	Truk 6h	Jaluit 8h	Honolulu 20h,	Midway I. 18:30h	Nome 20h, 135W	Dutch Harbor 16h, 135W	Kodiak 16h, 135W
Atm. Pressure (Red. to m.s.l. and Strd Gr.) (* not reduced to Strd Gr.)	757.1	756.3	-	755.3	757.2	*758.2	* 757.3	*757.2	* 757.3	* 755.4	754.9	758.8	762.5	767.6	758.4	758.9	-
Air Temperature (in C)	32.1	34.0	-	29.5	27.	24.	25.	-	-	29.	28.9	30.0	24.	27.	8.	7.	-
Direction and Force of Winds (0-12)	calm	- 1	-	WSW 2	SSE 1	NE 1	calm	E 2	calm	S 5	SE 2	NE 2	E 3	NE 3	S 3	calm	-
Weather	fair	clear	-	cloudy	cloudy	cloudy	cloudy	cloudy	fair	cloudy	cloudy	fair	fair	clear	cloudy	rain	-

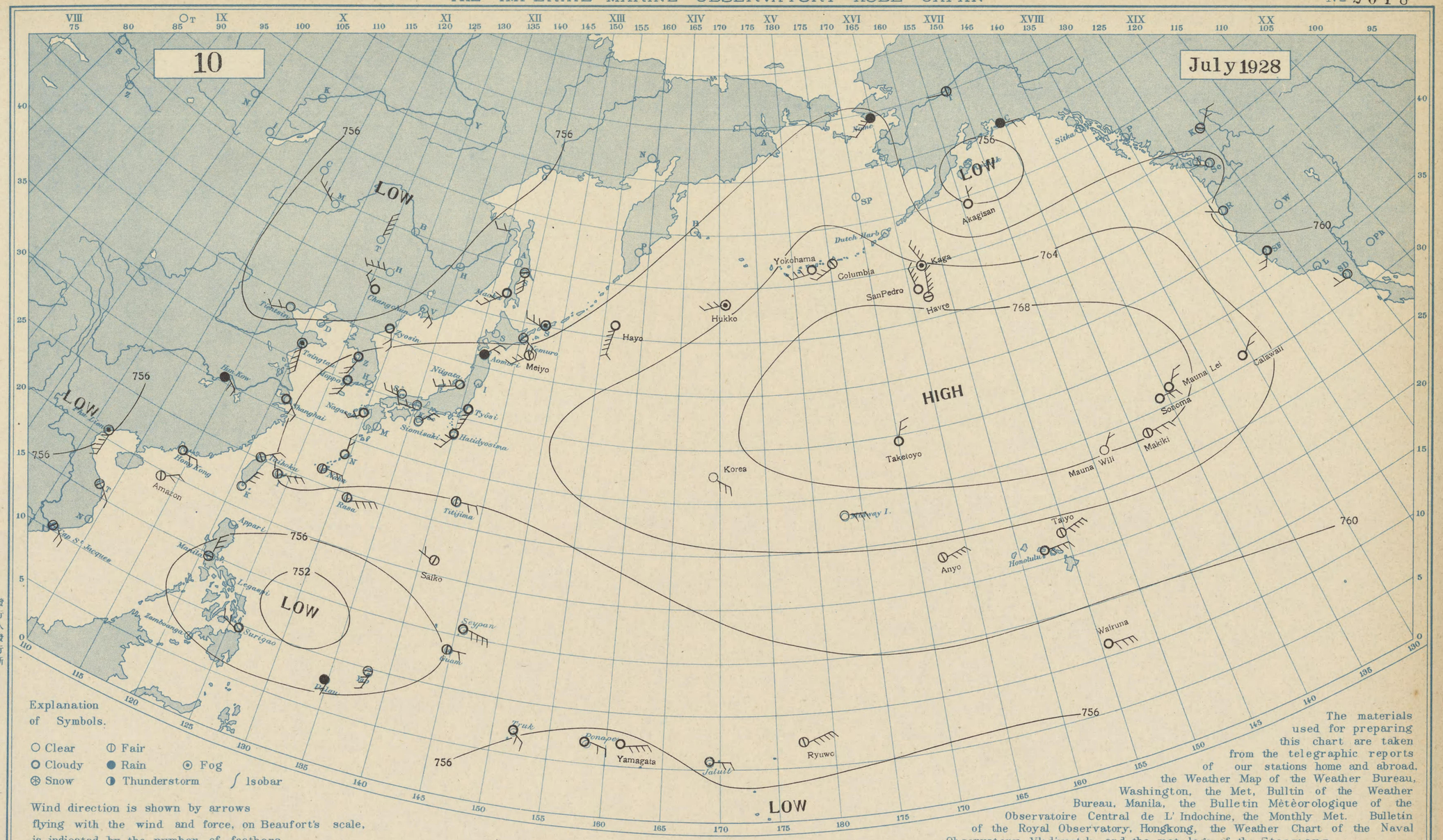
發行人 發行所
印刷人 販賣所
神戸市中山手通七丁目
海洋氣象臺

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

№ 2018



Explanation of Symbols.

○ Clear ◐ Fair
○ Cloudy ● Rain ⊙ Fog
⊛ Snow ◑ Thunderstorm ∫ Isobar

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

The materials used for preparing this chart are taken from the telegraphic reports of our stations home and abroad, the Weather Map of the Weather Bureau, Washington, the Met, Bulltin of the Weather Bureau, Manila, the Bulletin Mètèorologique of the Observatoire Central de L' Indochine, the Monthly Met. Bulletin of the Royal Observatory, Hongkong, the Weather Chart of the Naval Observatory, Vladivostok, and the met. logs of the Steamers.

Station / Hour of Observation	Taihoku 12h, 135E	Naha 12h, 135E	Nagasaki 12h, 135E	Siomisaki 12h, 135E	Kôbe 12h, 135E	Tyôsi 12h, 135E	Hatidyôsima 12h, 135E	Titizima 12h, 135E	Niigata 12h, 135E	Aomori 12h, 135E	Nemuro 12h, 135E	Maoka 12h, 135E	Moppo 12h, 135E	Zyôsin 12h, 135E	Changchun 12h, 135E	Tientsin 12h, 135E	Tsingtau 12h, 135E
Atm. Pressure (Red. to m.s.l. and Strd. Gr.) (* not reduced to Strd. Gr.)	759.5	760.3	762.4	761.7	761.4	762.1	762.6	760.0	761.3	761.0	758.7	758.9	760.8	756.9	754.4	755.4	758.7
Air Temperature (in C)	33.8	29.5	28.1	26.9	31.6	24.4	26.1	32.7	27.2	22.8	19.8	17.1	28.1	22.2	28.6	23.7	23.3
Direction and Force of Winds (0-12)	NE 2	E 3	SW 2	NE 2	W 2	SSW 4	SW 3	E 2	WSW 3	NE 2	SE 3	SW 4	SSW 2	SSE 2	NW 2	WSW 2	SSE 5
Weather	fair	fair	cloudy	clear	clear	cloudy	cloudy	fair	cloudy	rain	fair	cloudy	cloudy	cloudy	cloudy	clear	fog

Station / Hour of Observation	Shanghai 12h, 135E	Hankow 12h, 135E	Rasa 12h, 135E	Palau 12h, 135E	Hongkong 14h,	Manila 14h,	Surigao 14h,	Guam 14h,	Yap 14h,	Phu-Lien 10h,	Truk 6h	Jaluit 8h	Honolulu 20h,	Midway I. 18:30h	Nome 20h, 135W	Dutch Harbor 8h, 135W	Kodiak 18h, 135W
Atm. Pressure (Red. to m.s.l. and Strd Gr.) (* not reduced to Strd Gr.)	759.3	758.4	759.5	755.7	757.5	*755.4	*755.3	*757.5	*757.0	*755.9	756.3	759.1	-	-	760.5	-	-
Air Temperature (in C)	28.7	29.0	31.6	26.2	30.	34.	31.	-	-	28.	21.7	26.2	-	-	6.	-	-
Direction and Force of Winds (0-12)	SE 2	ESE 2	ENE 4	SSW 1	E 2	N 3	WNW 2	E 1	SSW 3	S 5	SE 2	E 2	-	-	SW 4	-	-
Weather	cloudy	rain	fair	rain	cloudy	fair	cloudy	fair	fair	fog	cloudy	cloudy	-	-	rain	-	-

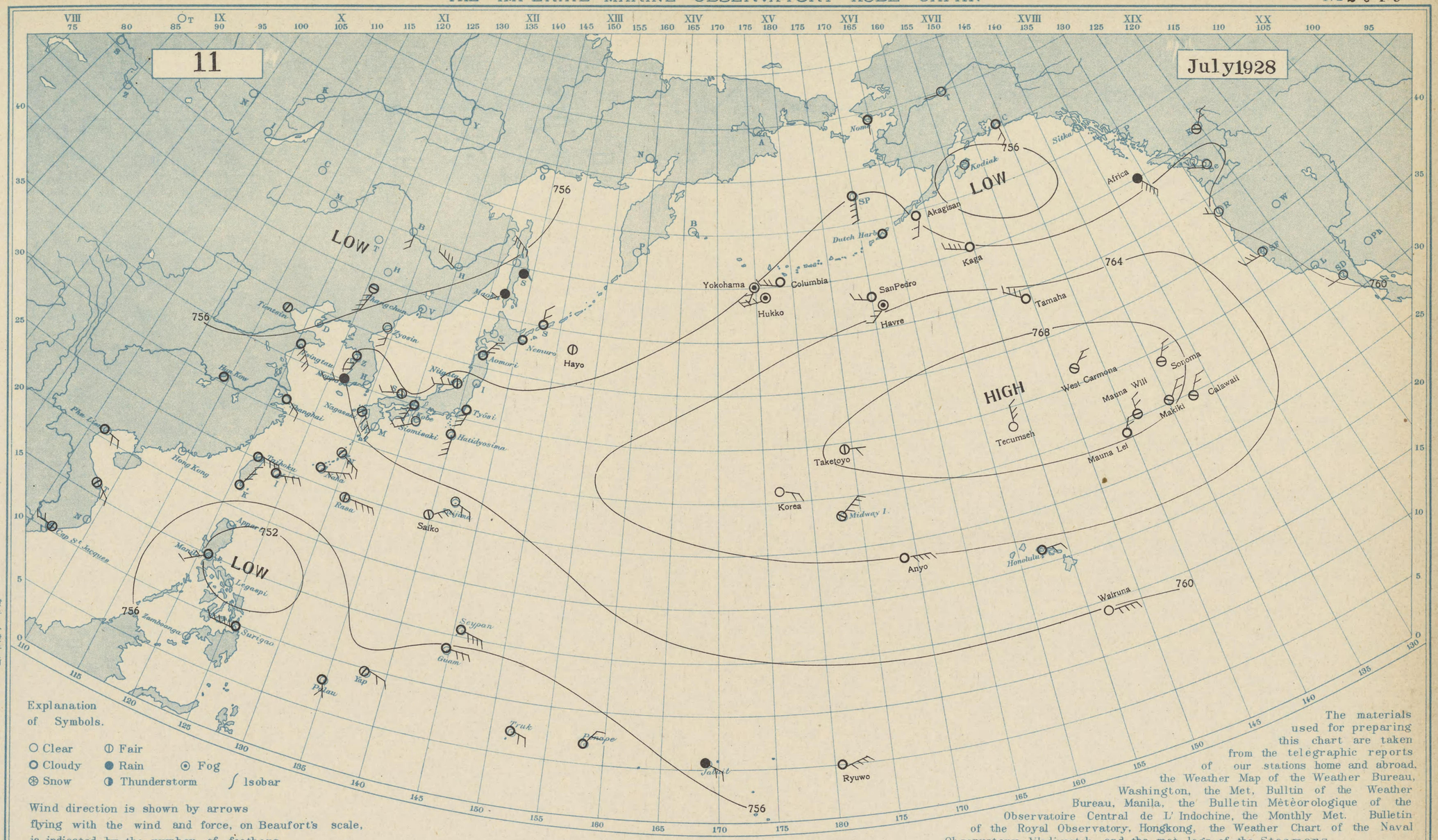
發行人 印刷人 販賣所 神戸市中山手通七丁目 海洋氣象臺

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

№2019



Explanation of Symbols.

○ Clear ◐ Fair
● Cloudy ● Rain ⊙ Fog
⊛ Snow ◑ Thunderstorm ∫ Isobar

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

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Station / Hour of Observation	Taihoku 12h, 135E	Naha 12h, 135E	Nagasaki 12h, 135E	Siomisaki 12h, 135E	Kôbe 12h, 135E	Tyôsi 12h, 135E	Hatidyôsima 12h, 135E	Titizima 12h, 135E	Niigata 12h, 135E	Aomori 12h, 135E	Nemuro 12h, 135E	Maoka 12h, 135E	Moppo 12h, 135E	Zyôsin 12h, 135E	Changchun 12h, 135E	Tientsin 12h, 135E	Tsingtau 12h, 135E
Atm. Pressure (Red. to m.s.l. and Strd. Gr.) (* not reduced to Strd. Gr.)	756.9	757.9	760.8	760.4	760.0	761.0	761.6	758.5	760.7	758.9	758.5	756.5	760.0	759.3	755.0	755.4	758.4
Air Temperature (in C)	33.7	29.7	28.5	28.8	32.0	25.0	25.6	29.6	28.3	26.2	17.5	18.5	22.5	28.3	30.8	33.8	23.8
Direction and Force of Winds (0-12)	E 4	ENE 4	SE 3	SW 2	SSW 3	SSW 3	S 3	ESE 2	WSW 3	NE 3	calm	SW 2	WSW 2	S 2	SSW 4	- 1	SE 4
Weather	cloudy	cloudy	fair	clear	cloudy	cloudy	cloudy	clear	fair	cloudy	cloudy	rain	rain	clear	fair	fair	cloudy

Station / Hour of Observation	Shanghai 12h, 135E	Hankow 12h, 135E	Rasa 12h, 135E	Palau 12h, 135E	Hongkong 14h,	Manila 14h,	Surigaô 14h,	Guam 14h,	Yap 14h,	Phu-Lien 10h,	Truk 6h	Jaluit 8h	Honolulu 20h,	Midway I. 18:30h	Nome 20h, 135W	Dutch Harbor 8½h, 135W	Kodiak 8½h, 135W
Atm. Pressure (Red. to m.s.l. and Strd Gr.) (* not reduced to Strd Gr.)	758.0	757.7	758.0	755.7	-	*752.3	* 753.7	*757.3	* 757.1	*757.6	755.2	758.4	763.0	766.1	756.9	761.5	755.4
Air Temperature (in C)	32.2	34.2	31.2	28.6	-	32.	32.	-	-	27.	27.7	25.8	24.	26.	9.	8.	10.
Direction and Force of Winds (0-12)	ESE 2	calm	E 4	SSE 1	-	SW 3	W 5	E 3	ESE 2	E 2	ESE 2	SE 2	E 3	NE 4	S -	calm	calm
Weather	cloudy	cloudy	fair	cloudy	-	cloudy	cloudy	cloudy	fair	cloudy	cloudy	rain	cloudy	fair	cloudy	cloudy	cloudy

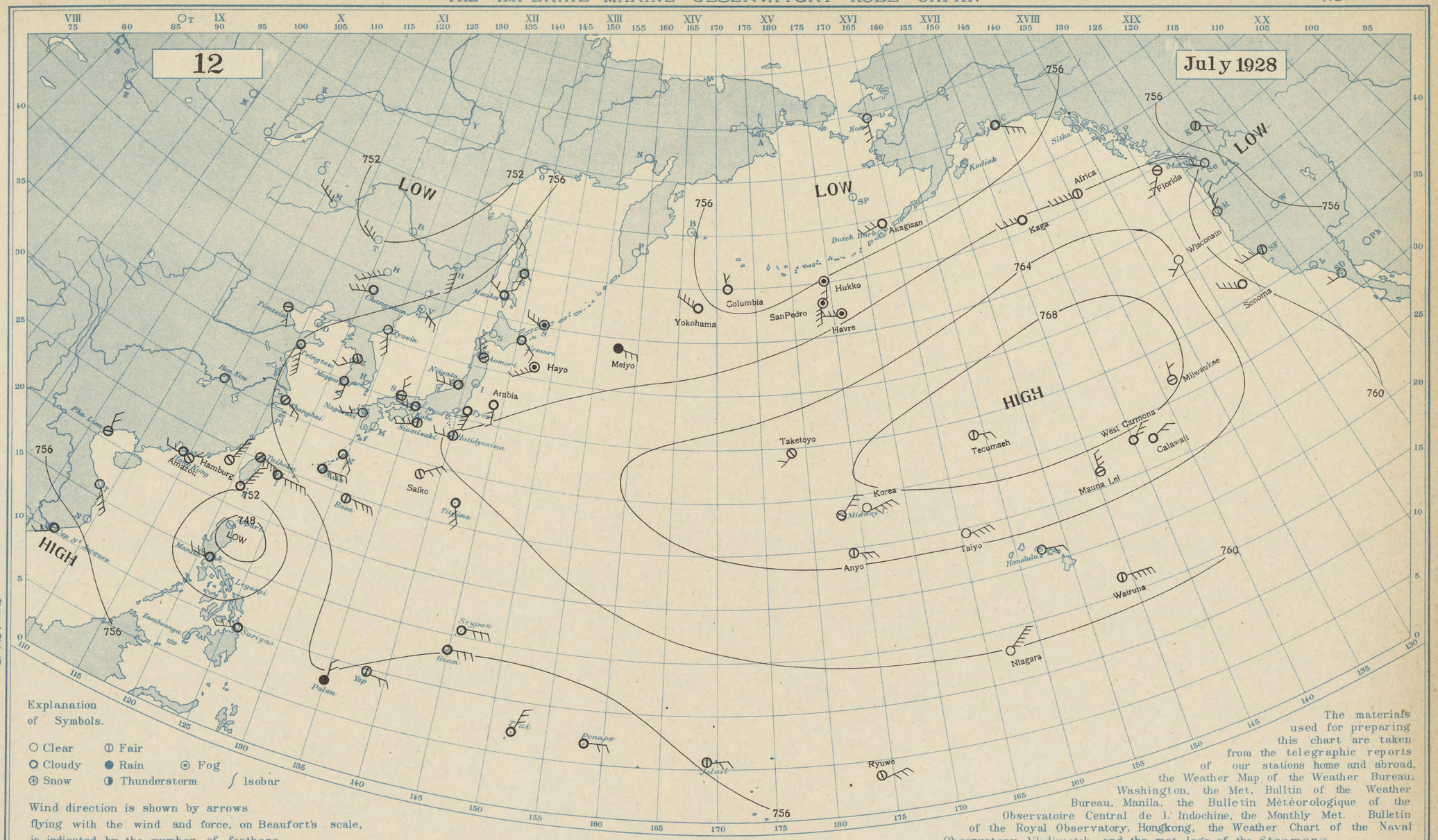
發行人 發行所
印刷人 販賣所
神戸市中山手通七丁目
海洋氣象臺

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

№ 2020



Explanation of Symbols.

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● Cloudy ● Rain ⊙ Fog
⊛ Snow ◑ Thunderstorm ∫ Isobar

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Station / Hour of Observation	Taihoku 12h, 135E	Naha 12h, 135E	Nagasaki 12h, 135E	Siomisaki 12h, 135E	Kôbe 12h, 135E	Tyôsi 12h, 135E	Hatidyôsima 12h, 135E	Titizima 12h, 135E	Niigata 12h, 135E	Aomori 12h, 135E	Nemuro 12h, 135E	Maoka 12h, 135E	Moppo 12h, 135E	Zyôsin 12h, 135E	Changchun 12h, 135E	Tientsin 12h, 135E	Tsingtau 12h, 135E
Atm. Pressure (Red. to m.s.l. and Strd. Gr.) (* not reduced to Strd. Gr.)	754.0	756.8	759.4	759.1	758.8	759.0	760.1	758.5	759.2	758.6	757.1	757.9	759.0	756.9	754.0	753.8	756.3
Air Temperature (in C)	33.8	29.1	29.1	29.1	30.9	25.9	25.9	29.0	28.0	27.0	20.7	17.3	26.6	23.1	23.1	27.0	23.6
Direction and Force of Winds (0-12)	ESE 5	E 4	WSW 2	WSW 3	W 3	SSW 4	W 2	SSE 3	W 3	NNW 3	SE 2	NW 2	S 2	SSE 3	WSW 3	SSE 2	SSE 5
Weather	fair	cloudy	cloudy	fair	cloudy	cloudy	fair	cloudy	cloudy	fair	cloudy	cloudy	cloudy	clear	cloudy	fair	cloudy

Station / Hour of Observation	Shanghai 12h, 135E	Hankow 12h, 135E	Rasa 12h, 135E	Palau 12h, 135E	Hongkong 14h,	Manila 14h,	Surigao 14h,	Guam 14h,	Yap 14h,	Phu-Lien 10h,	Truk 6h	Jaluit 8h	Honolulu 20h,	Midway I. 18:30h	Nome 20h, 135W	Dutch Harbor 8h, 135W	Kodiak 8h, 135W
Atm. Pressure (Red. to m.s.l. and Strd Gr.) (* not reduced to Strd Gr.)	756.7	755.2	757.0	756.4	752.7	*750.9	* 754.2	*757.3	* 757.2	*755.1	754.4	757.9	763.0	766.6	755.4	-	-
Air Temperature (in C)	31.3	34.9	31.3	26.7	32.	29.	32.	-	-	29.	27.8	29.1	24.	26.	9.	-	-
Direction and Force of Winds (0-12)	ESE 2	- 1	E 4	N 2	W 2	W 3	WSW 3	E 3	E 2	NNW 2	NNE 3	E 2	E 2	NE 3	S 3	-	-
Weather	fair	clear	fair	rain	cloudy	cloudy	cloudy	cloudy	fair	fair	cloudy	fair	clear	fair	clear	-	-

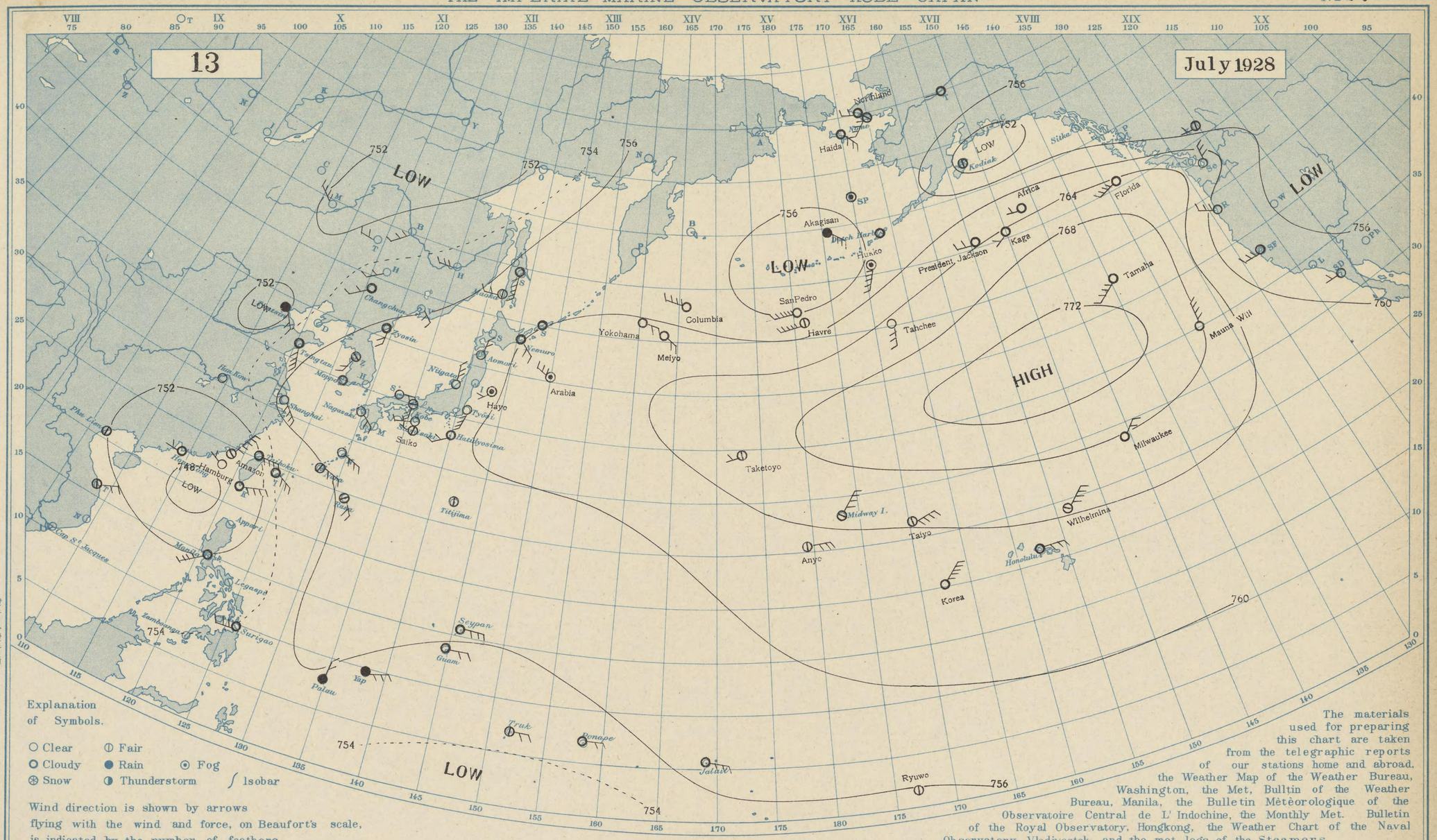
印刷人 神戸市中山手通七丁目 海洋氣象臺
發行人 發行所

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

№ 2021



Explanation of Symbols.

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⊛ Snow ◑ Thunderstorm ∫ Isobar

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

The materials used for preparing this chart are taken from the telegraphic reports of our stations home and abroad. the Weather Map of the Weather Bureau, Washington, the Met, Bulltin of the Weather Bureau, Manila, the Bulletin Mètèorologique of the Observatoire Central de L' Indochine, the Monthly Met. Bulletin of the Royal Observatory, Hongkong, the Weather Chart of the Naval Observatory, Vladivostok, and the met. logs of the Steamers.

Station Hour of Observation	Taihoku 12h, 135E	Naha 12h, 135E	Nagasaki 12h, 135E	Siomisaki 12h, 135E	Kôbe 12h, 135E	Tyôsi 12h, 135E	Hatidyôsima 12h, 135E	Titizima 12h, 135E	Niigata 12h, 135E	Aomori 12h, 135E	Nemuro 12h, 135E	Maoka 12h, 135E	Moppo 12h, 135E	Zyôsin 12h, 135E	Changchun 12h, 135E	Tientsin 12h, 135E	Tsingtau 12h, 135E
Atm. Pressure (Red. to m.s.l. and Strd. Gr.) (* not reduced to Strd. Gr.)	751.5	755.5	758.6	758.3	758.2	758.8	759.5	753.5	758.5	759.0	760.2	757.7	757.5	756.9	754.8	751.9	755.1
Air Temperature (in C)	31.4	29.5	30.1	25.6	31.6	27.8	26.5	29.5	28.9	27.3	16.6	18.8	28.3	25.2	27.2	23.8	26.0
Direction and Force of Winds (0-12)	E 4	ESE 3	SE 2	WSW 2	S 2	SSW 4	SW 2	calm	N 3	NNE 2	SE 2	W 2	calm	S 2	SW 2	SE 3	SSE 4
Weather	cloudy	fair	clear	clear	fair	clear	cloudy	fair	clear	clear	cloudy	fair	cloudy	cloudy	cloudy	rain	cloudy

Station Hour of Observation	Shanghai 12h, 135E	Hankow 12h, 135E	Rasa 12h, 135E	Palau 12h, 135E	Hongkong 14h,	Manila 14h,	Surigao 14h,	Guam 14h,	Yap 14h,	Phu-Lien 10h,	Truk 6h	Jaluit 8h	Honolulu 20h,	Midway I. 18:30h	Nome 20h, 135W	Dutch Harbor 8h, 135W	Kodiak 8h, 135W
Atm. Pressure (Red. to m.s.l. and Strd Gr.) (* not reduced to Strd Gr.)	756.1	752.6	756.5	756.4	749.1	*752.5	* 755.0	*756.5	* 757.0	*752.0	755.3	758.1	763.0	764.5	758.4	756.9	751.8
Air Temperature (in C)	31.0	35.8	30.4	26.7	32.	31.	29.	-	-	30.	25.8	26.3	24.	26.	11.	9.	-
Direction and Force of Winds (0-12)	SE 4	- 1	SE 2	N 2	W 1	SW 4	W 3	E 2	ENE 3	calm	E 2	ESE 3	E 3	NE 4	SW 4	calm	calm
Weather	clear	clear	fair	rain	cloudy	cloudy	cloudy	cloudy	rain	fair	fair	cloudy	cloudy	fair	fair	cloudy	fair

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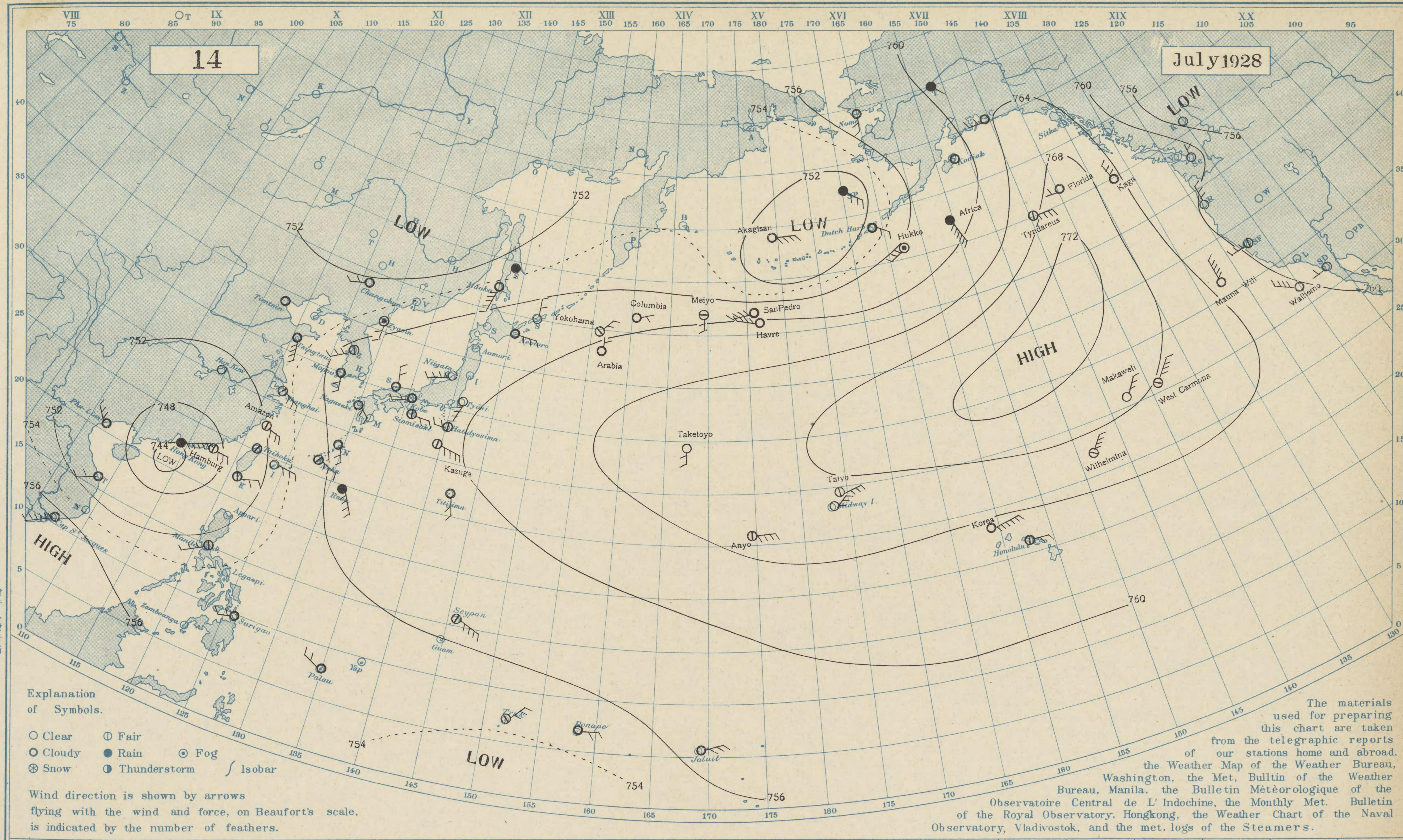
DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 2022



Explanation of Symbols.

○ Clear	⦶ Fair	
O Cloudy	● Rain	⊙ Fog
⊗ Snow	◑ Thunderstorm	∫ Isobar

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

The materials used for preparing this chart are taken from the telegraphic reports of our stations home and abroad, the Weather Map of the Weather Bureau, Washington, the Met, Bulltin of the Weather Bureau, Manila, the Bulletin Mètèorologique of the Observatoire Central de L' Indochine, the Monthly Met. Bulletin of the Royal Observatory, Hongkong, the Weather Chart of the Naval Observatory, Vladivostok, and the met. logs of the Steamers.

Station / Hour of Observation	Taihoku 12h, 135E	Naha 12h, 135E	Nagasaki 12h, 135E	Siomisaki 12h, 135E	Kôbe 12h, 135E	Tyôsi 12h, 135E	Hatidyôsima 12h, 135E	Titizima 12h, 135E	Niigata 12h, 135E	Aomori 12h, 135E	Nemuro 12h, 135E	Maoka 12h, 135E	Moppo 12h, 135E	Zyôsin 12h, 135E	Changchun 12h, 135E	Tientsin 12h, 135E	Tsingtau 12h, 135E
Atm. Pressure (Red. to m.s.l. and Strd. Gr.; * not reduced to Strd. Gr.)	751.4	755.6	758.1	758.9	758.2	759.2	759.6	759.1	758.3	757.8	757.8	754.3	756.7	754.7	752.1	752.5	753.6
Air Temperature (in C)	33.3	28.7	27.9	27.2	30.8	27.2	28.0	30.5	29.3	23.2	17.5	19.4	27.9	24.9	24.5	28.4	25.4
Direction and Force of Winds (0-12)	calm	ESE 3	SE 2	E 2	WSW 2	SSW 4	W 2	SSE 2	WSW 4	calm	ESE 3	SSW 5	SSE 2	S 2	WSW 2	- 1	SSE 4
Weather	fair	fair	cloudy	fair	cloudy	clear	fair	cloudy	clear	cloudy	cloudy	cloudy	cloudy	fog	cloudy	cloudy	cloudy

Station / Hour of Observation	Shanghai 12h, 135E	Hankow 12h, 135E	Rasa 12h, 135E	Palau 12h, 135E	Hongkong 14h,	Manila 14h,	Surigao 14h,	Guam 14h,	Yap 14h,	Phu-Lien 10h,	Truk 6h	Jaluit 8h	Honolulu 20h,	Midway I. 18:30h	Nome 20h, 135W	Dutch Harbor 18h, 135W	Kodiak 18h, 135W
Atm. Pressure (Red. to m.s.l. and Strd Gr.; * not reduced to Strd Gr.)	753.9	751.4	756.2	755.2	744.9	*753.8	* 755.4	* -	* -	* 749.5	754.4	757.9	762.5	766.6	757.4	752.8	757.9
Air Temperature (in C)	32.0	35.4	27.9	28.8	28.	32.	29.	-	-	32.	28.5	27.9	24.	28.	10.	-	8.
Direction and Force of Winds (0-12)	ESE 3	- 1	SE 4	WNW 2	NE 6	SW 3	WSW 2	-	-	NW 3	NE 3	ENE 3	E 2	NE 3	S 2	SE 2	calm
Weather	fair	clear	rain	cloudy	rain	fair	cloudy	-	-	cloudy	fair	cloudy	fair	clear	cloudy	cloudy	cloudy

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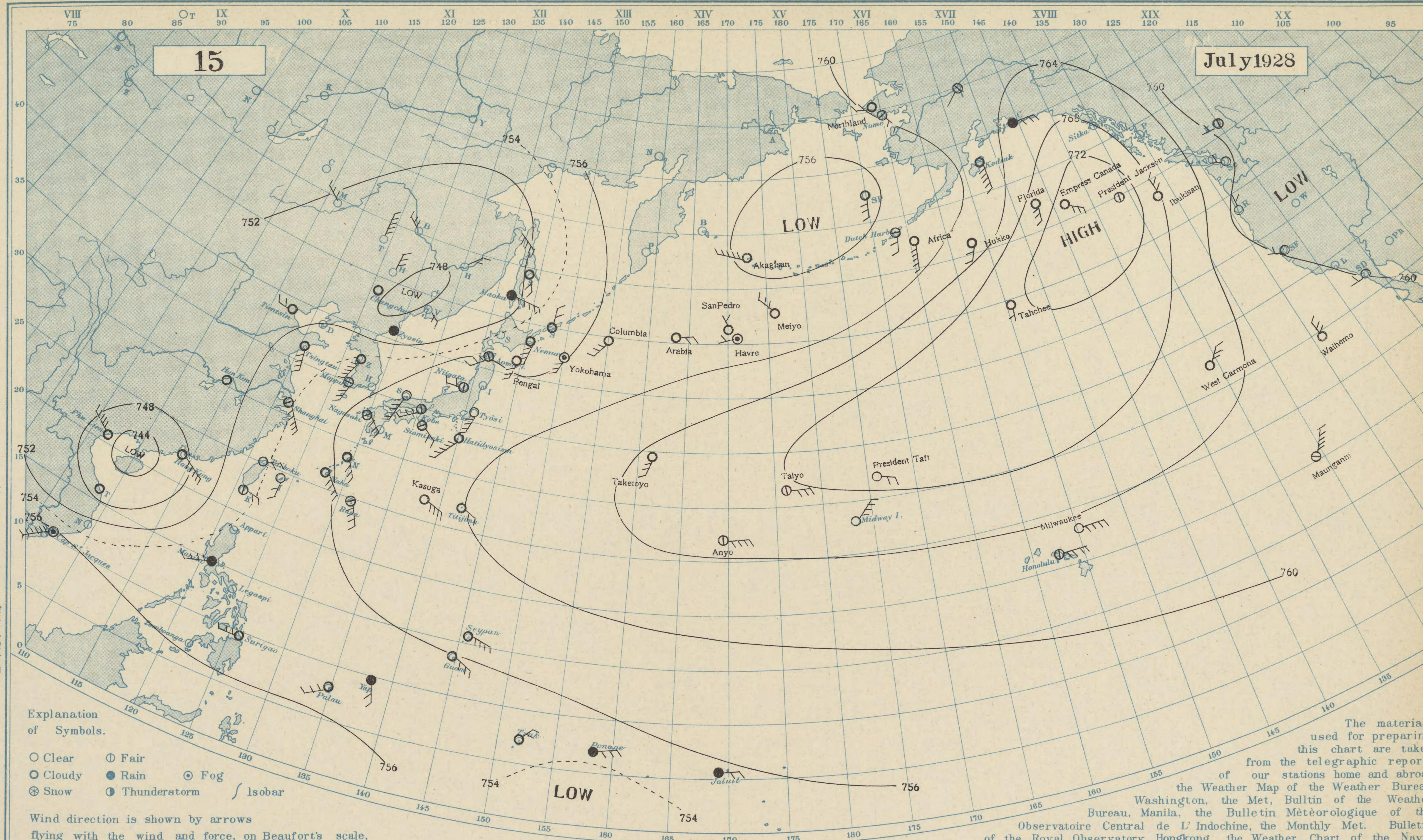
DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

№ 2023



Explanation of Symbols.

○ Clear ⦶ Fair
○ Cloudy ● Rain ⊙ Fog
⊗ Snow ◑ Thunderstorm ∫ Isobar

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

The materials used for preparing this chart are taken from the telegraphic reports of our stations home and abroad, the Weather Map of the Weather Bureau, Washington, the Met, Bulltin of the Weather Bureau, Manila, the Bulletin Mèteorologique of the Observatoire Central de L' Indochine, the Monthly Met. Bulletin of the Royal Observatory, Hongkong, the Weather Chart of the Naval Observatory, Vladivostok, and the met. logs of the Steamers.

Station / Hour of Observation	Taihoku 12^h, 135E	Naha 12^h, 135E	Nagasaki 12^h, 135E	Siomisaki 12^h, 135E	Kôbe 12^h, 135E	Tyôsi 12^h, 135E	Hatidyôsima 12^h, 135E	Titizima 12^h, 135E	Niigata 12^h, 135E	Aomori 12^h, 135E	Nemuro 12^h, 135E	Maoka 12^h, 135E	Moppo 12^h, 135E	Zyôsin 12^h, 135E	Changchun 12^h, 135E	Tientsin 12^h, 135E	Tsingtau 12^h, 135E
Atm. Pressure (Red. to m.s.l. and Strd. Gr.) (* not reduced to Strd. Gr.)	753.8	755.2	758.1	758.8	758.4	758.5	759.2	759.9	757.3	756.0	755.0	750.4	755.8	751.3	748.9	749.8	755.0
Air Temperature (in C)	33.5	26.8	28.7	28.0	30.1	28.6	26.8	31.0	30.0	29.6	18.3	18.5	29.4	22.1	25.2	28.7	26.2
Direction and Force of Winds (0-12)	ENE 2	SE 4	SE 3	SE 2	SW 3	SSW 4	SW 5	SE 2	W 2	SW 3	SSW 4	ESE 5	SSW 3	calm	calm	W 2	SSE 4
Weather	clear	cloudy	fair	fair	fair	clear	cloudy	cloudy	fair	fair	cloudy	rain	fair	rain	cloudy	cloudy	cloudy

Station / Hour of Observation	Shanghai 12^h, 135E	Hankow 12^h, 135E	Rasa 12^h, 135E	Palau 12^h, 135E	Hongkong 14^h,	Manila 14^h,	Surigao 14^h,	Guam 14^h,	Yap 14^h,	Phu-Lien 10^h,	Truk 6^h	Jaluit 8^h	Honolulu 20^h,	Midway I. $18{:}30^h$	Nome 20^h, 135W	Dutch Harbor 8^h, 135W	Kodiak 8^h, 135W
Atm. Pressure (Red. to m.s.l. and Strd Gr.) (* not reduced to Strd Gr.)	753.6	751.1	756.4	755.9	747.9	*755.2	*755.5	*757.5	*756.8	*746.3	755.6	757.1	762.0	766.1	760.5	757.4	760.5
Air Temperature (in C)	31.2	35.6	29.1	28.0	28.	26.	29.	-	-	29.	27.8	26.3	26.	26.	12.	9.	10.
Direction and Force of Winds (0-12)	SE 5	- 1	SE 4	SW 3	ESE 5	WSW 4	W 3	SE 3	SSE 2	WNW 5	NE 2	E 2	E 4	NE 4	SE 2	S 2	S 5
Weather	fair	cloudy	fair	cloudy	cloudy	rain	cloudy	cloudy	rain	cloudy	cloudy	rain	fair	clear	fair	fair	cloudy

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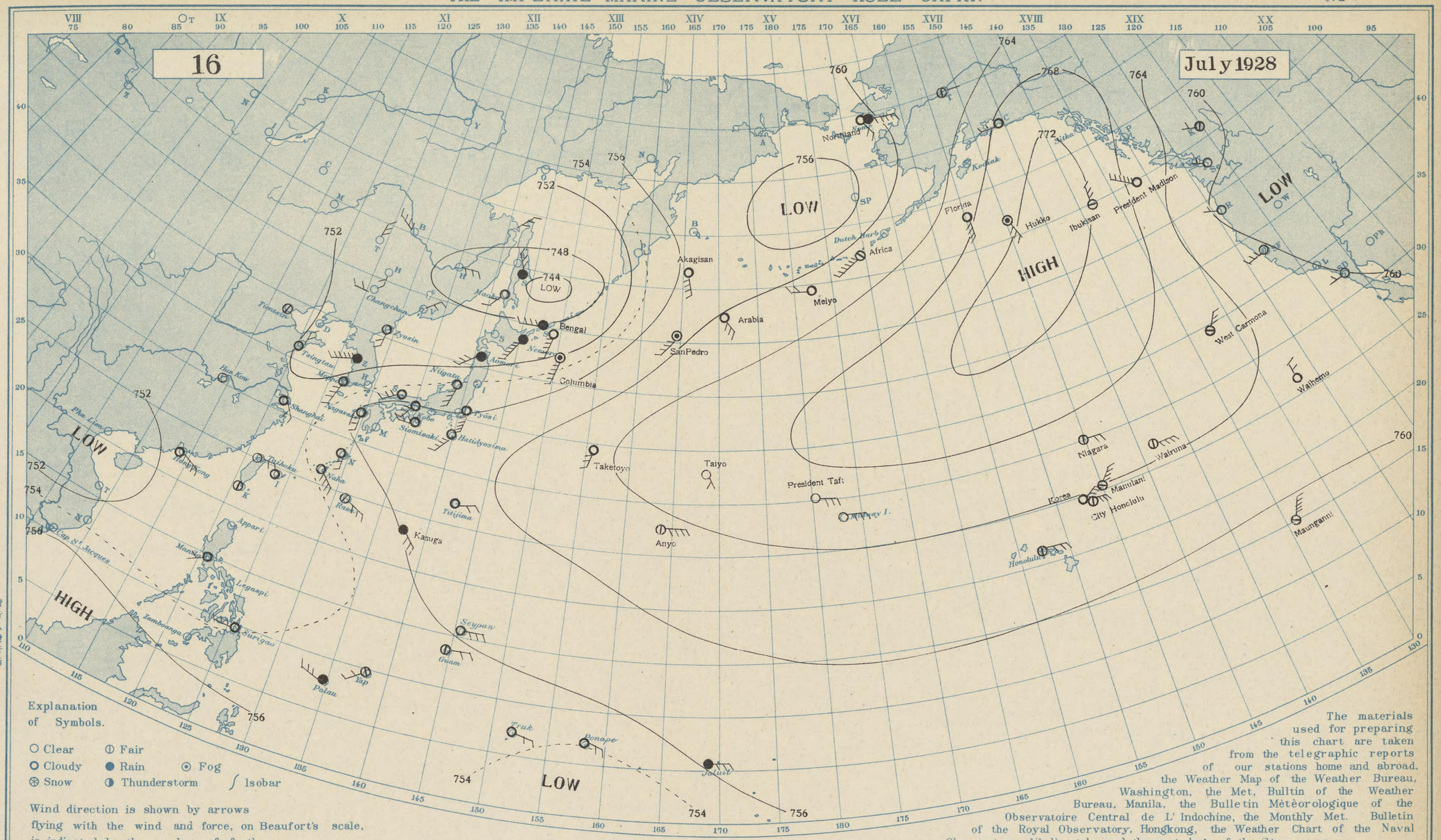
DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

№ 2024



Explanation of Symbols.

○ Clear ◐ Fair
● Cloudy ● Rain ⊙ Fog
⊛ Snow ◑ Thunderstorm ∫ Isobar

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

The materials used for preparing this chart are taken from the telegraphic reports of our stations home and abroad, the Weather Map of the Weather Bureau, Washington, the Met, Bulltin of the Weather Bureau, Manila, the Bulletin Mètèorologique of the Observatoire Central de L' Indochine, the Monthly Met. Bulletin of the Royal Observatory, Hongkong, the Weather Chart of the Naval Observatory, Vladivostok, and the met. logs of the Steamers.

Station / Hour of Observation	Taihoku 12h, 135E	Naha 12h, 135E	Nagasaki 12h, 135E	Siomisaki 12h, 135E	Kôbe 12h, 135E	Tyôsi 12h, 135E	Hatidyôsima 12h, 135E	Titizima 12h, 135E	Niigata 12h, 135E	Aomori 12h, 135E	Nemuro 12h, 135E	Maoka 12h, 135E	Moppo 12h, 135E	Zyôsin 12h, 135E	Changchun 12h, 135E	Tientsin 12h, 135E	Tsingtau 12h, 135E
Atm. Pressure (Red. to m.s.l. and Strd. Gr.) (* not reduced to Strd. Gr.)	753.5	754.2	756.3	757.7	762.0	755.9	758.9	758.6	754.4	750.3	749.4	747.6	753.4	750.2	750.8	753.7	752.0
Air Temperature (in C)	33.4	29.1	28.1	28.1	30.0	25.8	27.5	31.7	30.7	27.1	19.0	17.2	26.9	23.7	28.2	30.3	27.3
Direction and Force of Winds (0-12)	E 2	SE 4	S 3	W 3	SW 4	SSW 5	SW 4	ENE 2	SSW 4	SW 3	SW 6	SW 2	SSW 4	S 2	W 2	calm	N 2
Weather	clear	cloudy	cloudy	cloudy	cloudy	cloudy	cloudy	cloudy	cloudy	rain	rain	cloudy	cloudy	cloudy	clear	fair	cloudy

Station / Hour of Observation	Shanghai 12h, 135E	Hankow 12h, 135E	Rasa 12h, 135E	Palau 12h, 135E	Hongkong 14h,	Manila 14h,	Surigao 14h,	Guam 14h,	Yap 14h,	Phu-Lien 10h,	Truk 6h	Jaluit 8h	Honolulu 20h,	Midway I. 18:30h	Nome 20h, 135W	Dutch Harbor 8h, 135W	Kodiak 8h, 135W
Atm. Pressure (Red. to m.s.l. and Strd Gr.) (* not reduced to Strd Gr.)	752.3	753.1	755.2	755.4	752.8	*753.8	*755.0	*756.0	*756.4	* -	755.0	757.5	761.5	766.1	759.5	-	-
Air Temperature (in C)	32.8	36.4	28.4	26.7	29.	30.	30.	-	-	-	26.2	25.1	23.	26.	14.	-	-
Direction and Force of Winds (0-12)	SE 2	- 1	ESE 3	WNW 3	ESE 4	SW 1	W 3	E 3	SW 2	-	ESE 2	E 3	E 3	E 3	E 5	-	-
Weather	cloudy	clear	fair	rain	cloudy	cloudy	cloudy	fair	fair	-	cloudy	rain	fair	clear	rain	-	-

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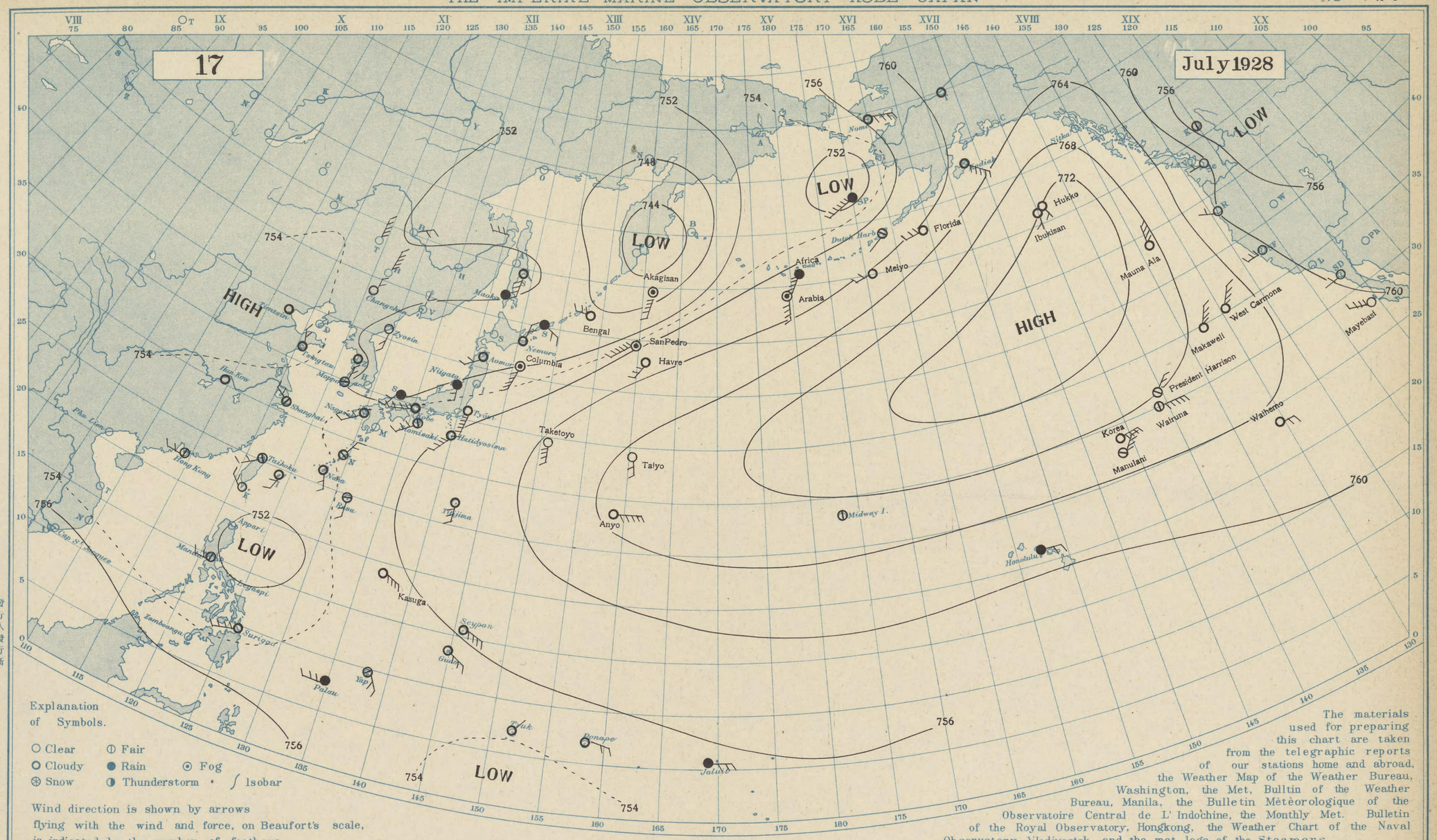
DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

№ 2025



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 Mètèorologique of the Observatoire Central de L' Indochine, the Monthly Met. Bulletin of the Royal Observatory, Hongkong, the Weather Chart of the Naval Observatory, Vladivostok, and the met. logs of the Steamers.

Station / Hour of Observation	Taihoku 12h, 135E	Naha 12h, 135E	Nagasaki 12h, 135E	Siomisaki 12h, 135E	Kôbe 12h, 135E	Tyôsi 12h, 135E	Hatidyôsima 12h, 135E	Titizima 12h, 135E	Niigata 12h, 135E	Aomori 12h, 135E	Nemuro 12h, 135E	Maoka 12h, 135E	Moppo 12h, 135E	Zyôsin 12h, 135E	Changchun 12h, 135E	Tientsin 12h, 135E	Tsingtau 12h, 135E
Atm. Pressure (Red. to m.s.l. and Strd. Gr.) (* not reduced to Strd. Gr.)	752.9	753.5	754.3	755.2	754.4	754.5	757.3	757.3	752.1	751.4	751.5	752.0	752.0	751.1	753.6	754.3	755.4
Air Temperature (in C)	33.2	30.3	29.3	25.8	30.2	26.6	27.2	27.4	24.1	23.3	14.0	16.0	28.4	24.6	24.6	29.8	27.2
Direction and Force of Winds (0-12)	SW 2	SSE 2	SW 3	SW 3	WSW 5	SSW 6	SW 4	S 3	S 2	SW 2	NNE 2	calm	N 2	S 2	N 2	- 1	NNW 2
Weather	fair	cloudy	cloudy	fair	cloudy	cloudy	cloudy	cloudy	rain	cloudy	cloudy	rain	fair	clear	clear	cloudy	cloudy

Station / Hour of Observation	Shanghai 12h, 135E	Hankow 12h, 135E	Rasa 12h, 135E	Palau 12h, 135E	Hongkong 14h,	Manila 14h,	Surigao 14h,	Guam 14h,	Yap 14h,	Phu-Lien 10h,	Truk 6h	Jaluit 8h	Honolulu 20h,	Midway I. 18:30h	Nome 20h, 135W	Dutch Harbor 8h, 135W	Kodiak 8h, 135W
Atm. Pressure (Red. to m.s.l. and Strd Gr.) (* not reduced to Strd Gr.)	752.3	753.6	754.6	755.7	752.7	* 752.7	* 754.7	* 756.8	* 756.2	* -	754.5	757.1	760.5	767.1	756.4	758.9	760.5
Air Temperature (in C)	32.0	33.0	30.6	25.1	32.	30.	28.	-	-	-	27.6	26.0	23.	26.	10.	8.	11.
Direction and Force of Winds (0-12)	NW 2	- 1	S 2	W 3	W 2	W 2	WSW 4	SE 3	SE 2	-	NE -	E 3	E 3	calm	E 5	SW -	SE 5
Weather	fair	cloudy	fair	rain	fair	fair	cloudy	cloudy	fair	-	cloudy	rain	rain	fair	cloudy	fair	cloudy

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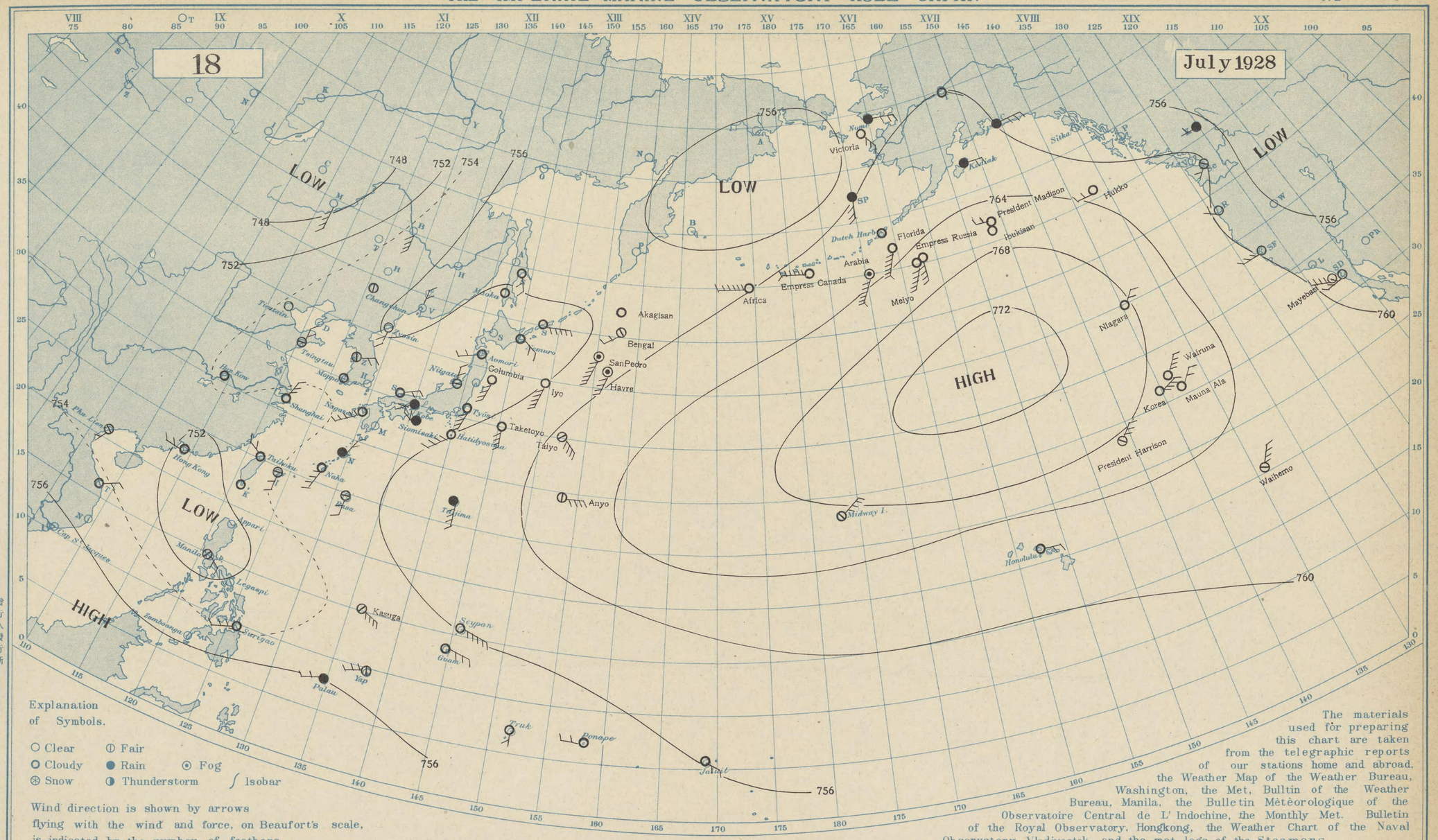
DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

№ 2026



Explanation of Symbols.

○ Clear ◐ Fair
◐ Cloudy ● Rain ⊙ Fog
⊛ Snow ◑ Thunderstorm ∫ Isobar

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

The materials used for preparing this chart are taken from the telegraphic reports of our stations home and abroad, the Weather Map of the Weather Bureau, Washington, the Met. Bulltin of the Weather Bureau, Manila, the Bulletin Mèteorologique of the Observatoire Central de L' Indochine, the Monthly Met. Bulletin of the Royal Observatory, Hongkong, the Weather Chart of the Naval Observatory, Vladivostok, and the met. logs of the Steamers.

Station / Hour of Observation	Taihoku 12h, 135E	Naha 12h, 135E	Nagasaki 12h, 135E	Siomisaki 12h, 135E	Kôbe 12h, 135E	Tyôsi 12h, 135E	Hatidyôsima 12h, 135E	Titizima 12h, 135E	Niigata 12h, 135E	Aomori 12h, 135E	Nemuro 12h, 135E	Maoka 12h, 135E	Moppo 12h, 135E	Zyôsin 12h, 135E	Changchun 12h, 135E	Tientsin 12h, 135E	Tsingtau 12h, 135E
Atm. Pressure (Red. to m.s.l. and Strd. Gr.) (* not reduced to Strd. Gr.)	753.6	754.3	754.1	754.5	754.9	755.0	756.3	757.9	755.6	755.0	754.4	755.5	754.1	756.8	754.9	754.5	754.8
Air Temperature (in C)	31.2	30.1	26.8	25.6	24.7	24.6	27.9	-	25.4	26.2	14.8	16.1	27.4	25.6	29.0	30.6	30.4
Direction and Force of Winds (0-12)	NW 2	SSW 4	SW 5	NW 2	SW 1	SSW 4	SW 4	S 4	N 2	WSW 2	SE 2	calm	calm	S 2	calm	- 1	N 2
Weather	cloudy	cloudy	cloudy	rain	rain	cloudy	cloudy	rain	fair	cloudy	cloudy	cloudy	cloudy	clear	fair	clear	fair

Station / Hour of Observation	Shanghai 12h, 135E	Hankow 12h, 135E	Rasa 12h, 135E	Palau 12h, 135E	Hongkong 14h,	Manila 14h,	Surigao 14h,	Guam 14h,	Yap 14h,	Phu-Lien 10h,	Truk 6h	Jaluit 8h	Honolulu 20h,	Midway I. 18:30h	Nome 20h, 135W	Dutch Harbor 8hm, 135W	Kodiak 8hm, 135W
Atm. Pressure (Red. to m.s.l. and Strd Gr.) (* not reduced to Strd Gr.)	753.7	753.9	755.4	756.2	751.2	*752.1	*755.1	*756.8	*756.4	*753.5	755.0	758.0	761.0	767.6	757.9	763.0	761.5
Air Temperature (in C)	28.4	27.3	31.1	24.5	32.	32.	31.	-	-	30.	25.6	28.0	23.	26.	9.	8.	10.
Direction and Force of Winds (0-12)	NNE 3	- 1	S 2	WSW 2	W 2	SE 2	WSW 3	ESE 3	WSW 3	SSW 1	S 1	SE 2	E 2	NE 4	E 4	calm	E 2
Weather	cloudy	cloudy	fair	rain	cloudy	fair	cloudy	cloudy	fair	fair	cloudy	cloudy	cloudy	fair	rain	cloudy	rain

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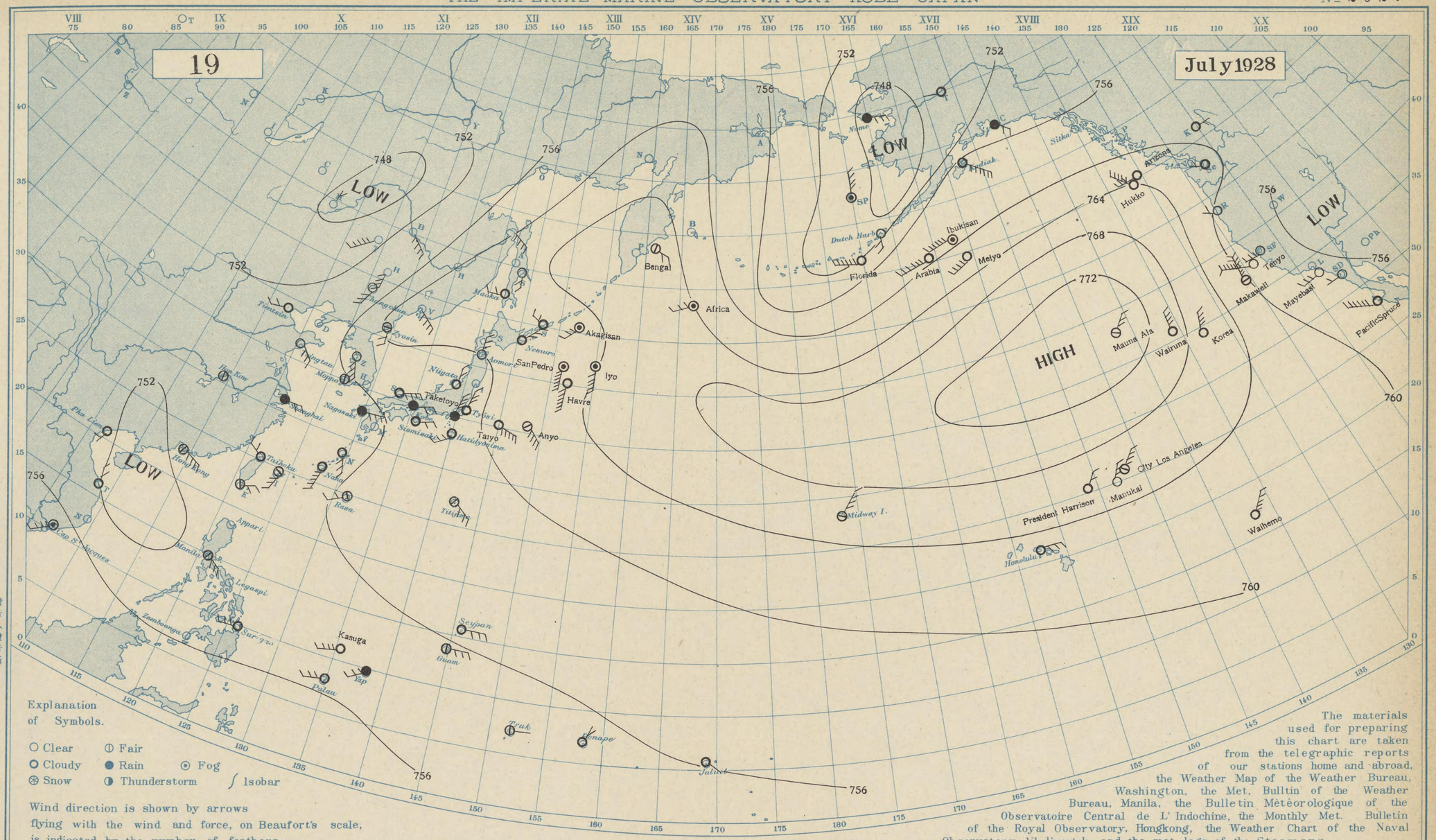
DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

№ 2027



Explanation of Symbols.

○ Clear ◐ Fair
◐ Cloudy ● Rain ⊙ Fog
⊛ Snow ◑ Thunderstorm ∫ Isobar

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

The materials used for preparing this chart are taken from the telegraphic reports of our stations home and abroad, the Weather Map of the Weather Bureau, Washington, the Met. Bulltin of the Weather Bureau, Manila, the Bulletin Mètèorologique of the Observatoire Central de L' Indochine, the Monthly Met. Bulletin of the Royal Observatory, Hongkong, the Weather Chart of the Naval Observatory, Vladivostok, and the met. logs of the Steamers.

Station / Hour of Observation	Taihoku 12h, 135E	Naha 12h, 135E	Nagasaki 12h, 135E	Siomisaki 12h, 135E	Kôbe 12h, 135E	Tyôsi 12h, 135E	Hatidyôsima 12h, 135E	Titizima 12h, 135E	Niigata 12h, 135E	Aomori 12h, 135E	Nemuro 12h, 135E	Maoka 12h, 135E	Moppo 12h, 135E	Zyôsin 12h, 135E	Changchun 12h, 135E	Tientsin 12h, 135E	Tsingtau 12h, 135E
Atm. Pressure (Red. to m.s.l. and Strd. Gr.) (* not reduced to Strd. Gr.)	753.8	754.8	755.6	756.6	757.0	759.5	758.1	757.2	759.5	760.3	760.8	763.1	755.4	760.2	753.3	752.7	754.6
Air Temperature (in C)	32.8	31.1	21.7	24.9	25.3	19.4	27.6	30.1	28.8	22.9	16.5	24.9	28.6	25.3	29.1	30.9	37.4
Direction and Force of Winds (0-12)	NW 2	SSW 5	E 4	ENE 2	ENE 2	NNE 3	SW 3	SE 4	N 2	N 3	NE 3	W 2	calm	S 2	SSW 3	WSW 2	SE 3
Weather	cloudy	cloudy	rain	cloudy	rain	cloudy	cloudy	fair	cloudy	clear	cloudy	cloudy	fair	fair	clear	cloudy	clear

Station / Hour of Observation	Shanghai 12h, 135E	Hankow 12h, 135E	Rasa 12h, 135E	Palau 12h, 135E	Hongkong 14h,	Manila 14h,	Surigao 14h,	Guam 14h,	Yap 14h,	Phu-Lien 10h,	Truk 6h	Jaluit 8h	Honolulu 20h,	Midway I. 18:30h	Nome 20h, 135W	Dutch Harbor 8h, 135W	Kodiak 18h, 135W
Atm. Pressure (Red. to m.s.l. and Strd Gr.) (* not reduced to Strd Gr.)	753.7	754.3	756.6	755.9	752.4	* 753.4	* 756.1	* 756.5	* 756.8	* 752.3	754.8	757.4	761.5	766.6	746.2	748.3	758.4
Air Temperature (in C)	23.6	28.9	30.4	27.2	30.	33.	32..	-	-	31.	29.7	28.2	24.	22.	12.	11.	10.
Direction and Force of Winds (0-12)	E 2	- 1	SW 2	WSW 3	ESE 4	SE 3	W 3	E 3	SW 3	SSW 1	E -	SE 1	E 3	NE 4	E 3	S 2	SE 6
Weather	rain	fair	fair	cloudy	fair	fair	cloudy	fair	rain	cloudy	fair	cloudy	cloudy	fair	rain	clear	cloudy

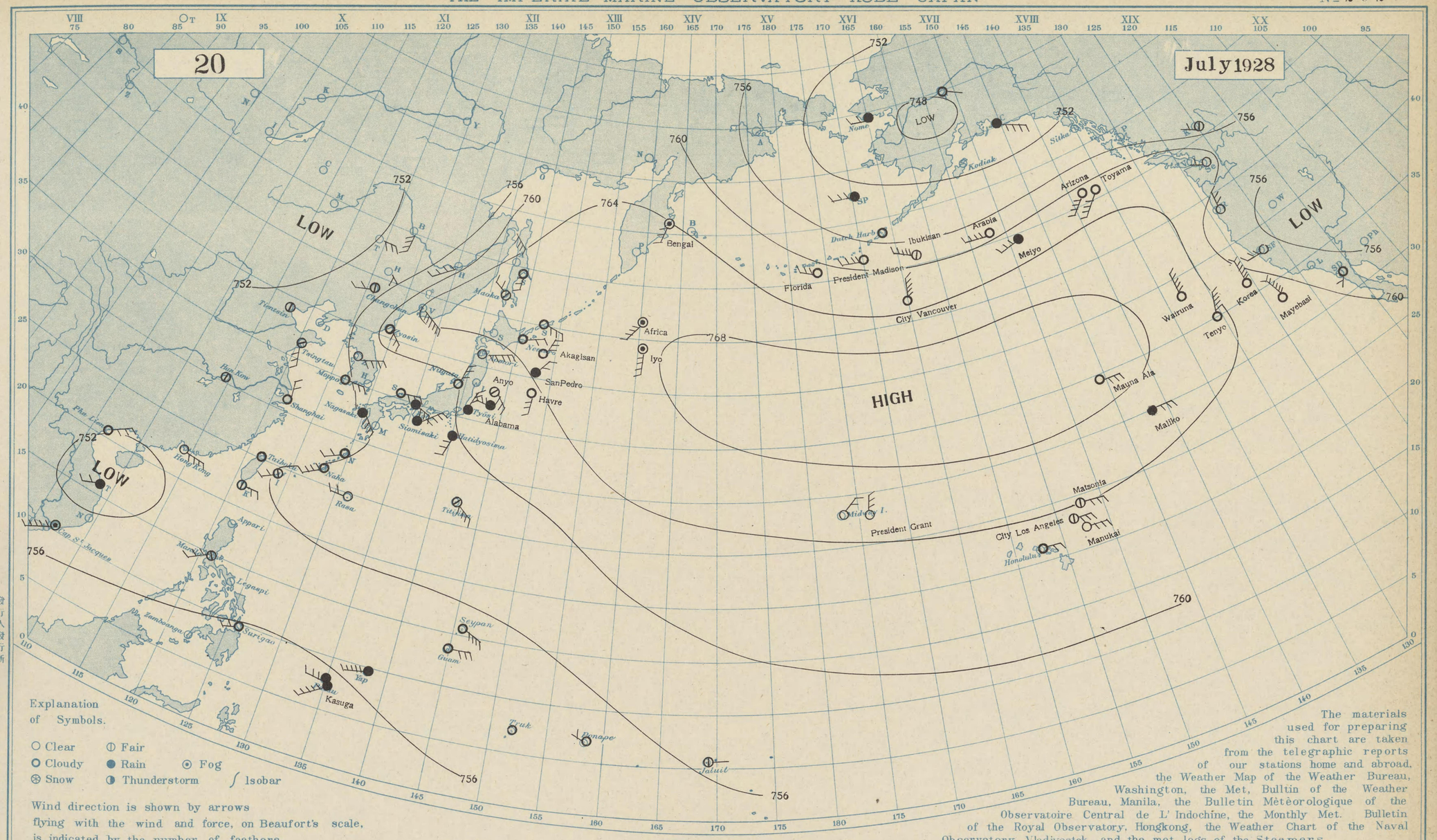
印刷人 發行人
販賣所 發行所
神戸市中山手通七丁目
海洋氣象臺

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

№ 2028



Explanation of Symbols.

○ Clear ◐ Fair
● Cloudy ● Rain ⊙ Fog
⊛ Snow ◑ Thunderstorm ∫ Isobar

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

The materials used for preparing this chart are taken from the telegraphic reports of our stations home and abroad, the Weather Map of the Weather Bureau, Washington, the Met. Bulltin of the Weather Bureau, Manila, the Bulletin Mètèorologique of the Observatoire Central de L' Indochíne, the Monthly Met. Bulletin of the Royal Observatory, Hongkong, the Weather Chart of the Naval Observatory, Vladivostok, and the met. logs of the Steamers.

Station / Hour of Observation	Taihoku 12h, 135E	Naha 12h, 135E	Nagasaki 12h, 135E	Siomisaki 12h, 135E	Kôbe 12h, 135E	Tyôsi 12h, 135E	Hatidyôsima 12h, 135E	Titizima 12h, 135E	Niigata 12h, 135E	Aomori 12h, 135E	Nemuro 12h, 135E	Maoka 12h, 135E	Moppo 12h, 135E	Zyôsin 12h, 135E	Changchun 12h, 135E	Tientsin 12h, 135E	Tsingtau 12h, 135E
Atm. Pressure (Red. to m.s.l. and Strd. Gr.) (* not reduced to Strd. Gr.)	754.7	756.2	756.5	758.5	758.3	761.2	759.7	758.2	759.7	763.2	766.6	766.7	755.3	762.2	755.3	752.3	755.2
Air Temperature (in C)	32.8	29.8	23.4	23.2	23.4	18.8	25.7	30.6	25.3	22.0	14.8	17.4	27.2	24.1	28.4	30.6	26.4
Direction and Force of Winds (0-12)	calm	SW 4	SE 4	NE 4	ESE 3	NNE 3	SSW 3	SE 4	NNE 3	ENE 5	ENE 2	NW 2	E 3	SE 3	WSW 2	- 1	SSE 3
Weather	cloudy	cloudy	rain	rain	rain	rain	rain	fair	cloudy	clear	cloudy	fair	cloudy	cloudy	fair	fair	fair

Station / Hour of Observation	Shanghai 12h, 135E	Hankow 12h, 135E	Rasa 12h, 135E	Palau 12h, 135E	Hongkong 14h,	Manila 14h,	Surigao 14h,	Guam 14h,	Yap 14h,	Phu-Lien 10h,	Truk 6h	Jaluit 8h	Honolulu 20h,	Midway I. 18:30h	Nome 20h, 135W	Dutch Harbor 18h, 135W	Kodiak 18h, 135W
Atm. Pressure (Red. to m.s.l. and Strd Gr.) (* not reduced to Strd Gr.)	753.4	754.3	757.2	756.4	753.6	* 755.7	* 757.3	* 755.5	* 756.4	* 752.4	754.3	757.9	761.0	765.0	749.3	754.4	-
Air Temperature (in C)	28.4	33.1	30.4	25.5	30.	32.	29.	-	-	31.	26.1	28.9	24.	24.	13.	8.	-
Direction and Force of Winds (0-12)	NNW 2	- 1	W 2	W 3	E 4	SW 3	WSW 2	E 3	WSW 5	NE 3	calm	E -	E 2	NE 2	W 2	calm	-
Weather	cloudy	fair	clear	rain	clear	fair	cloudy	cloudy	rain	cloudy	cloudy	fair	cloudy	clear	rain	cloudy	-

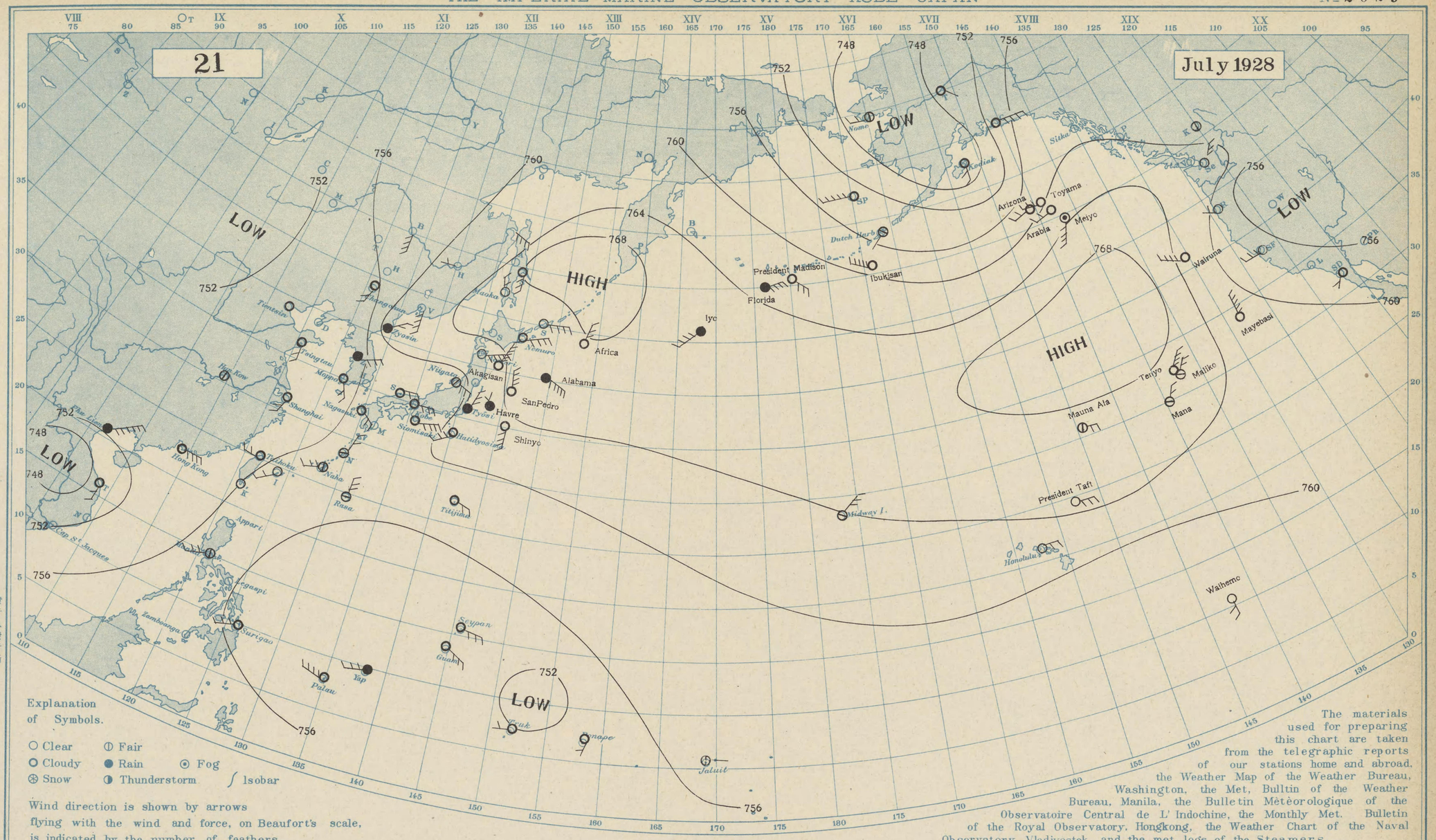
發行人 發行所
印刷人 販賣所
神戸市中山手通七丁目
海洋氣象臺

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

№ 2029



Explanation of Symbols.

○ Clear ◐ Fair
● Cloudy ● Rain ⊙ Fog
⊛ Snow ◑ Thunderstorm ∫ Isobar

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

The materials used for preparing this chart are taken from the telegraphic reports of our stations home and abroad, the Weather Map of the Weather Bureau, Washington, the Met, Bulltin of the Weather Bureau, Manila, the Bulletin Mètèorologique of the Observatoire Central de L' Indochine, the Monthly Met. Bulletin of the Royal Observatory, Hongkong, the Weather Chart of the Naval Observatory, Vladivostok, and the met. logs of the Steamers.

Station / Hour of Observation	Taihoku 12h, 135E	Naha 12h, 135E	Nagasaki 12h, 135E	Siomisaki 12h, 135E	Kôbe 12h, 135E	Tyôsi 12h, 135E	Hatidyôsima 12h, 135E	Titizima 12h, 135E	Niigata 12h, 135E	Aomori 12h, 135E	Nemuro 12h, 135E	Maoka 12h, 135E	Moppo 12h, 135E	Zyôsin 12h, 135E	Changchun 12h, 135E	Tientsin 12h, 135E	Tsingtau 12h, 135E
Atm. Pressure (Red. to m.s.l. and Strd. Gr.) * not reduced to Strd. Gr.	755.9	756.5	756.7	758.6	758.2	762.0	760.6	758.3	759.4	762.5	766.7	767.0	753.5	760.5	755.0	753.8	754.3
Air Temperature (in C)	32.5	30.0	24.1	24.3	27.4	19.2	26.8	30.6	29.9	23.4	10.8	17.7	27.2	21.2	28.6	25.8	26.2
Direction and Force of Winds (0-12)	W 2	WSW 3	NE 2	ENE 4	E 3	NNE 3	SW 3	ESE 2	SE 3	ENE 5	ENE 4	NNW 2	SSE 2	NE 2	SSW 2	calm	S 2
Weather	cloudy	fair	cloudy	cloudy	cloudy	rain	cloudy	cloudy	fair	clear	cloudy	clear	cloudy	rain	cloudy	cloudy	cloudy

Station / Hour of Observation	Shanghai 12h, 135E	Hankow 12h, 135E	Rasa 12h, 135E	Palau 12h, 135E	Hongkong 14h,	Manila 14h,	Surigao 14h,	Guam 14h,	Yap 14h,	Phu-Lien 10h,	Truk 6h	Jaluit 8h	Honolulu 20h,	Midway I. 18:30h	Nome 20h, 135W	Dutch Harbor 8h, 135W	Kodiak 8h, 135W
Atm. Pressure (Red. to m.s.l. and Strd Gr.) * not reduced to Strd Gr.	754.3	754.5	756.4	755.2	754.8	* 756.7	* 756.8	* 755.2	* 755.4	* 752.3	752.3	758.9	760.5	764.0	745.2	753.9	745.2
Air Temperature (in C)	29.5	32.7	31.1	26.8	30.	31.	28.	-	-	25.	25.0	29.0	24.	24.	14.	7.	8.
Direction and Force of Winds (0-12)	SSW 2	- 1	N 3	WNW 4	E 4	WSW 3	WSW 3	SE 3	WSW 3	NE 6	W -	E -	E 2	NE 3	W 2	SW -	S 2
Weather	cloudy	fair	fair	cloudy	cloudy	fair	cloudy	cloudy	rain	rain	cloudy	fair	clear	fair	fair	fair	cloudy

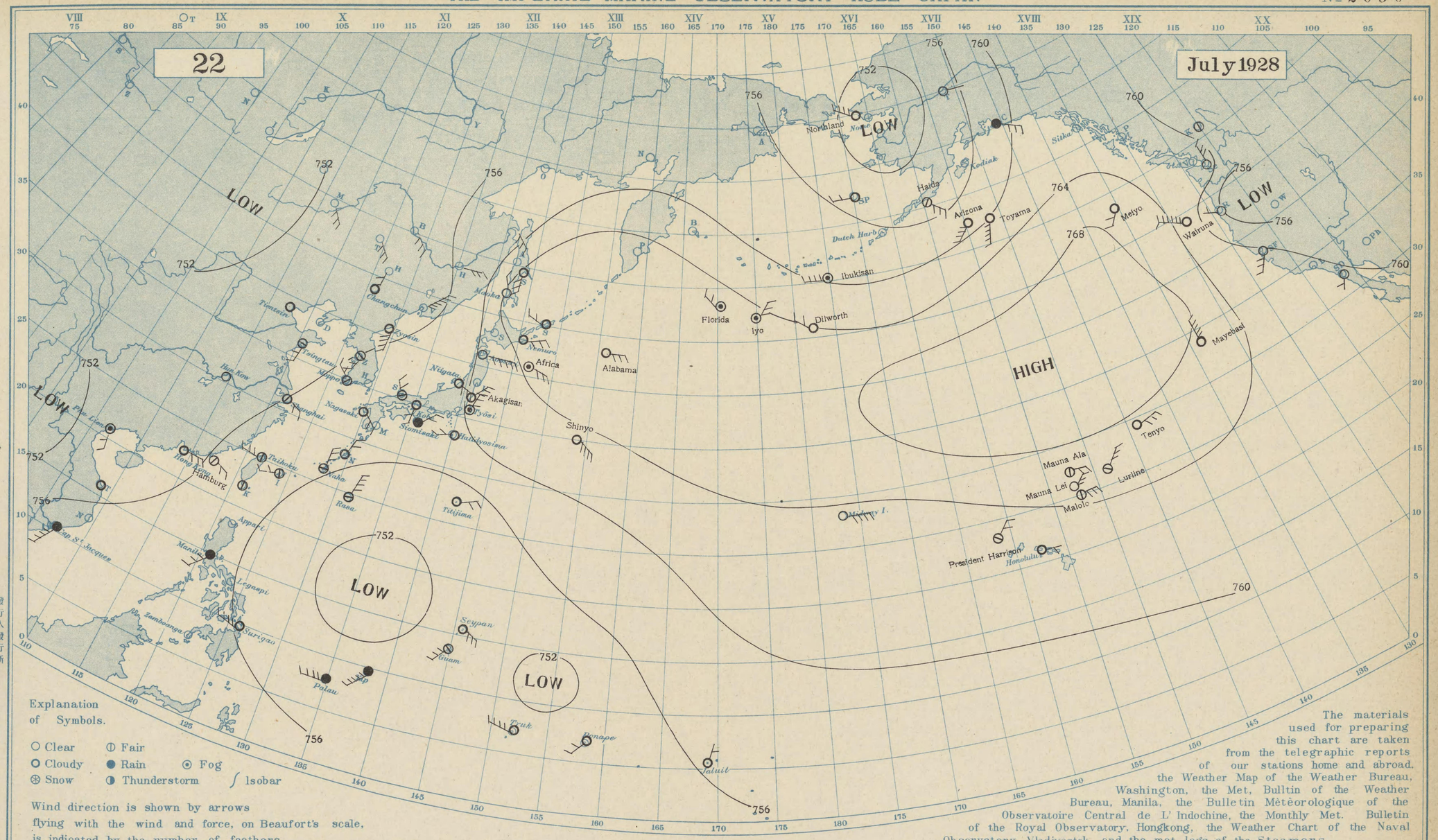
發行人 印刷人 發行所 印刷人販賣所 神戸市中山手通七丁目 海洋氣象臺

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

№ 2030



Explanation of Symbols.

○ Clear ◐ Fair
○ Cloudy ● Rain ⊙ Fog
⊛ Snow ◑ Thunderstorm ∫ Isobar

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

The materials used for preparing this chart are taken from the telegraphic reports of our stations home and abroad, the Weather Map of the Weather Bureau, Washington, the Met. Bulltin of the Weather Bureau, Manila, the Bulletin Mètèorologique of the Observatoire Central de L' Indochine, the Monthly Met. Bulletin of the Royal Observatory, Hongkong, the Weather Chart of the Naval Observatory, Vladivostok, and the met. logs of the Steamers.

Station Hour of Observation	Taihoku 12h, 135E	Naha 12h, 135E	Nagasaki 12h, 135E	Siomisaki 12h, 135E	Kôbe 12h, 135E	Tyôsi 12h, 135E	Hatidyôsima 12h, 135E	Titizima 12h, 135E	Niigata 12h, 135E	Aomori 12h, 135E	Nemuro 12h, 135E	Maoka 12h, 135E	Moppo 12h, 135E	Zyôsin 12h, 135E	Changchun 12h, 135E	Tientsin 12h, 135E	Tsingtau 12h, 135E
Atm. Pressure (Red. to m.s.l. and Strd. Gr.) * not reduced to Strd. Gr.	756.9	756.1	757.7	759.5	758.7	761.2	759.8	755.4	758.5	760.6	765.3	764.1	756.6	753.3	751.7	754.1	754.9
Air Temperature (in C)	32.0	29.7	24.4	23.6	27.6	19.6	28.7	31.3	31.2	24.4	11.3	18.4	27.6	22.8	21.8	29.2	27.9
Direction and Force of Winds (0-12)	W 3	N 3	SE 2	NE 2	S 2	NNE 3	WSW 2	ENE 2	SE 3	E 5	ENE 3	NNW 2	NW 2	S 4	calm	calm	S 2
Weather	fair	fair	cloudy	rain	cloudy	fog	cloudy	cloudy	cloudy	clear	cloudy	clear	fair	cloudy	cloudy	cloudy	fair

Station Hour of Observation	Shanghai 12h, 135E	Hankow 12h, 135E	Rasa 12h, 135E	Palau 12h, 135E	Hongkong 14h,	Manila 14h,	Surigao 14h,	Guam 14h,	Yap 14h,	Phu-Lien 10h,	Truk 6h	Jaluit 8h	Honolulu 20h,	Midway I. 18:30h	Nome 20h, 135W	Dutch Harbor 8h, 135W	Kodiak 8½h, 135W
Atm. Pressure (Red. to m.s.l. and Strd Gr.) * not reduced to Strd Gr.	756.0	754.7	755.1	754.0	754.8	*757.8	*757.0	*754.5	*754.1	*753.4	752.7	757.9	761.5	763.5	749.8	754.9	751.8
Air Temperature (in C)	32.9	35.6	31.4	27.6	30.	25.	27.	-	-	25.	27.5	27.0	26.	24.	11.	8.	9.
Direction and Force of Winds (0-12)	ESE 2	- 1	NNE 4	W 4	E 3	SW 3	WNW 4	SW 3	SW 5	SSE 2	WNW 4	NNE 1	E 2	NE 4	E 2	calm	SE 2
Weather	fair	clear	fair	rain	cloudy	rain	cloudy	fair	rain	fog	cloudy	cloudy	cloudy	clear	rain	cloudy	cloudy

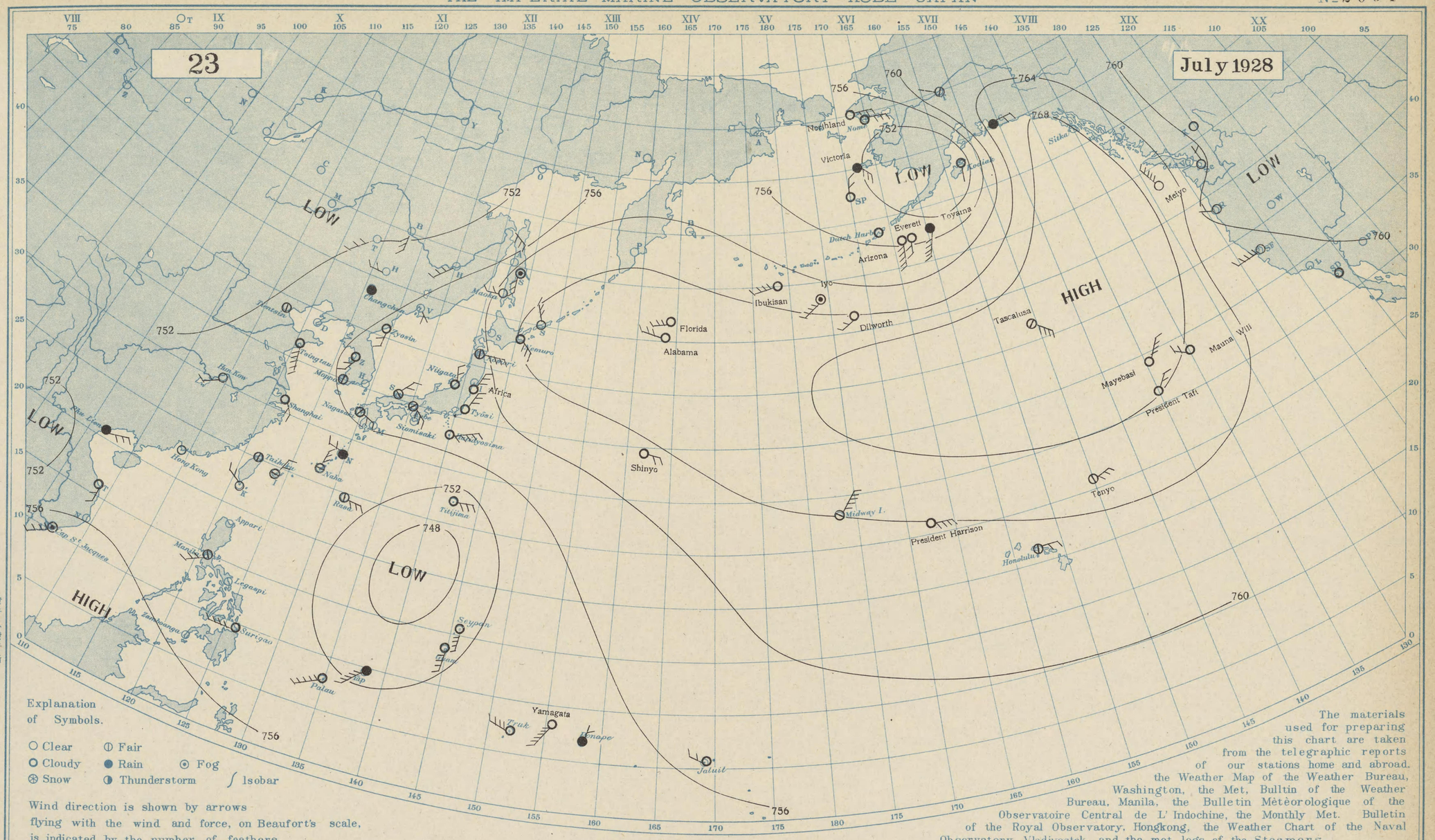
發行人 發行所
印刷人 販賣所
神戸市中山手通七丁目
海洋氣象臺

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

№2031



Explanation of Symbols.

○ Clear ◐ Fair
○ Cloudy ● Rain ⊙ Fog
⊛ Snow ◑ Thunderstorm ∫ Isobar

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

The materials used for preparing this chart are taken from the telegraphic reports of our stations home and abroad, the Weather Map of the Weather Bureau, Washington, the Met. Bulltin of the Weather Bureau, Manila, the Bulletin Météorologique of the Observatoire Central de L' Indochine, the Monthly Met. Bulletin of the Royal Observatory, Hongkong, the Weather Chart of the Naval Observatory, Vladivostok, and the met. logs of the Steamers.

Station / Hour of Observation	Taihoku 12h, 135E	Naha 12h, 135E	Nagasaki 12h, 135 E	Siomisaki 12h, 135 E	Kôbe 12h, 135E	Tyôsi 12h, 135E	Hatidyôsima 12h, 135 E	Titizima 12h, 135 E	Niigata 12h, 135 E	Aomori 12h, 135 E	Nemuro 12h, 135 E	Maoka 12h, 135 E	Moppo 12h, 135 E	Zyôsin 12h, 135E	Changchun 12h, 135 E	Tientsin 12h, 135 E	Tsingtau 12h, 135E
Atm. Pressure (Red. to m.s.l. and Strd. Gr.) (* not reduced to Strd. Gr.)	754.6	754.1	756.1	757.6	757.1	759.3	757.4	751.2	758.1	759.4	764.3	761.3	756.1	756.4	753.2	752.8	753.0
Air Temperature (in C)	32.7	29.7	29.4	23.9	29.6	21.5	25.3	30.2	27.2	26.1	16.0	22.6	29.4	22.9	22.2	28.0	24.2
Direction and Force of Winds (0-12)	calm	N 3	ESE 2	N 4	SE 3	NNE 3	ENE 5	E 3	NNW 2	E 4	SE 3	W 2	calm	S 2	calm	- 1	SSE 5
Weather	fair	fair	fair	rain	fair	cloudy	cloudy	cloudy	cloudy	fair	cloudy	clear	fair	cloudy	rain	fair	cloudy

Station / Hour of Observation	Shanghai 12h, 135 E	Hankow 12h, 135 E	Rasa 12h, 135 E	Palau 12h, 135 E	Hongkong 14h,	Manila 14h,	Surigao 14h,	Guam 14h,	Yap 14h,	Phu-Lien 10h,	Truk 6h	Jaluit 8h	Honolulu 20h,	Midway I. 18:30h	Nome 20h, 135 W	Dutch Harbor 8h, 135 W	Kodiak 8h, 135 W
Atm. Pressure (Red. to m.s.l. and Strd Gr.) (* not reduced to Strd Gr.)	754.0	752.9	753.5	753.7	755.1	* 754.6	* 754.8	* 753.4	* 752.7	* 753.8	753.4	758.0	762.0	764.0	754.9	754.9	751.3
Air Temperature (in C)	33.4	36.0	31.3	29.1	26.	30.	28.	-	-	28.	26.1	27.5	24.	23.	8.	8.	10.
Direction and Force of Winds (0-12)	SE 2	SW 2	E 3	SW 5	calm	SW 3	W 4	S 4	SW 5	ENE 3	NW 4	NW 2	E 2	NE 5	E 3	calm	S -
Weather	cloudy	clear	fair	cloudy	clear	fair	cloudy	cloudy	rain	rain	cloudy	cloudy	fair	fair	cloudy	cloudy	cloudy

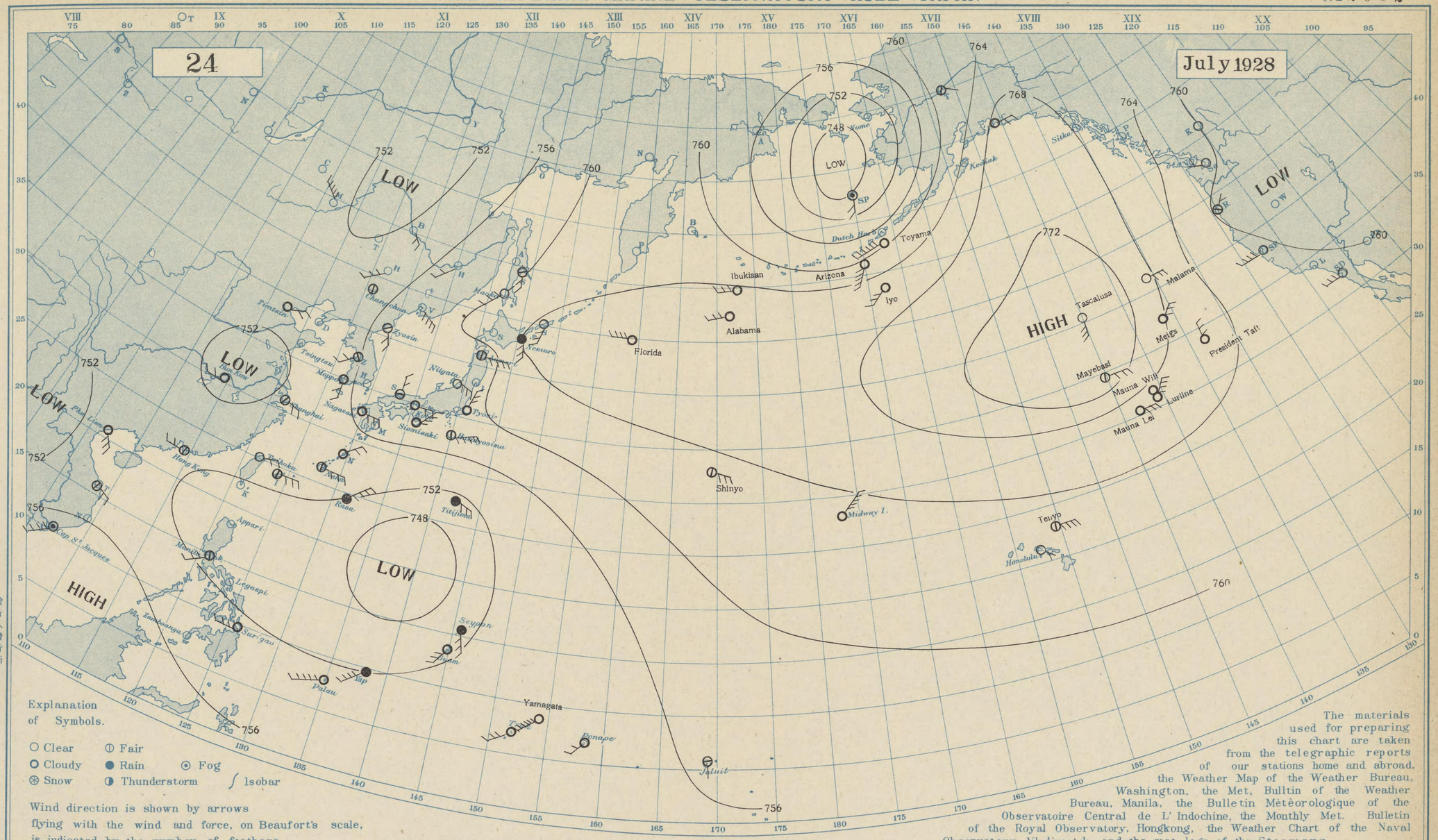
發行人 發行所
印刷人 販賣所
神戸市中山手通七丁目
海洋氣象臺

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

№2032



Explanation of Symbols.

○ Clear ◐ Fair
○ Cloudy ● Rain ⊙ Fog
⊛ Snow ◑ Thunderstorm ∫ Isobar

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

The materials used for preparing this chart are taken from the telegraphic reports of our stations home and abroad, the Weather Map of the Weather Bureau, Washington, the Met. Bulltin of the Weather Bureau, Manila, the Bulletin Mètèorologique of the Observatoire Central de L' Indochine, the Monthly Met. Bulletin of the Royal Observatory, Hongkong, the Weather Chart of the Naval Observatory, Vladivostok, and the met. logs of the Steamers.

Station / Hour of Observation	Taihoku 12h, 135E	Naha 12h, 135E	Nagasaki 12h, 135E	Siomisaki 12h, 135E	Kôbe 12h, 135E	Tyôsi 12h, 135E	Hatidyôsima 12h, 135E	Titizima 12h, 135E	Niigata 12h, 135E	Aomori 12h, 135E	Nemuro 12h, 135E	Maoka 12h, 135E	Moppo 12h, 135E	Zyôsin 12h, 135E	Changchun 12h, 135E	Tientsin 12h, 135E	Tsingtau 12h, 135E
Atm. Pressure (Red. to m.s.l. and Strd. Gr.) (* not reduced to Strd. Gr.)	752.5	752.9	756.3	757.8	757.4	759.6	757.2	751.7	757.3	758.8	764.1	761.2	755.2	757.3	754.5	754.0	753.0
Air Temperature (in C)	34.3	30.6	26.5	23.9	27.2	22.8	26.3	25.3	30.1	28.2	15.2	24.1	30.0	24.2	27.6	26.4	25.6
Direction and Force of Winds (0-12)	ENE 2	E 3	E 3	NE 4	E 2	NNE 3	ENE 5	SE 3	ESE 3	E 4	SSE 3	SW 3	S 2	SSE 2	calm	ENE 2	SSE 2
Weather	clear	fair	cloudy	cloudy	cloudy	cloudy	fair	rain	clear	fair	rain	clear	cloudy	fair	fair	cloudy	cloudy

Station / Hour of Observation	Shanghai 12h, 135E	Hankow 12h, 135E	Rasa 12h, 135E	Palau 12h, 135E	Hongkong 14h,	Manila 14h,	Surigao 14h,	Guam 14h,	Yap 14h,	Phu-Lien 10h,	Truk 6h	Jaluit 8h	Honolulu 20h,	Midway I. 18:30h	Nome 20h, 135W	Dutch Harbor 8h, 135W	Kodiak 8h, 135W
Atm. Pressure (Red. to m.s.l. and Strd Gr.) (* not reduced to Strd Gr.)	752.9	750.7	752.2	753.8	752.4	* 752.4	* 754.7	* 752.0	* 753.4	* 752.5	753.3	757.9	762.5	763.5	753.9	753.4	762.5
Air Temperature (in C)	32.7	36.9	30.9	29.4	32.	30.	28.	-	-	27.	28.1	30.0	26.	24.	9.	9.	9.
Direction and Force of Winds (0-12)	ESE 2	W 2	NE 4	WSW 5	W 2	SW 3	W 3	SW 3	SW 5	SE 3	SW 3	S -	S 2	NE 5	SE 6	calm	S 3
Weather	fair	cludy	rain	cloudy	fair	fair	cloudy	cloudy	rain	cloudy	cloudy	fair	clear	cloudy	rain	cloudy	fair

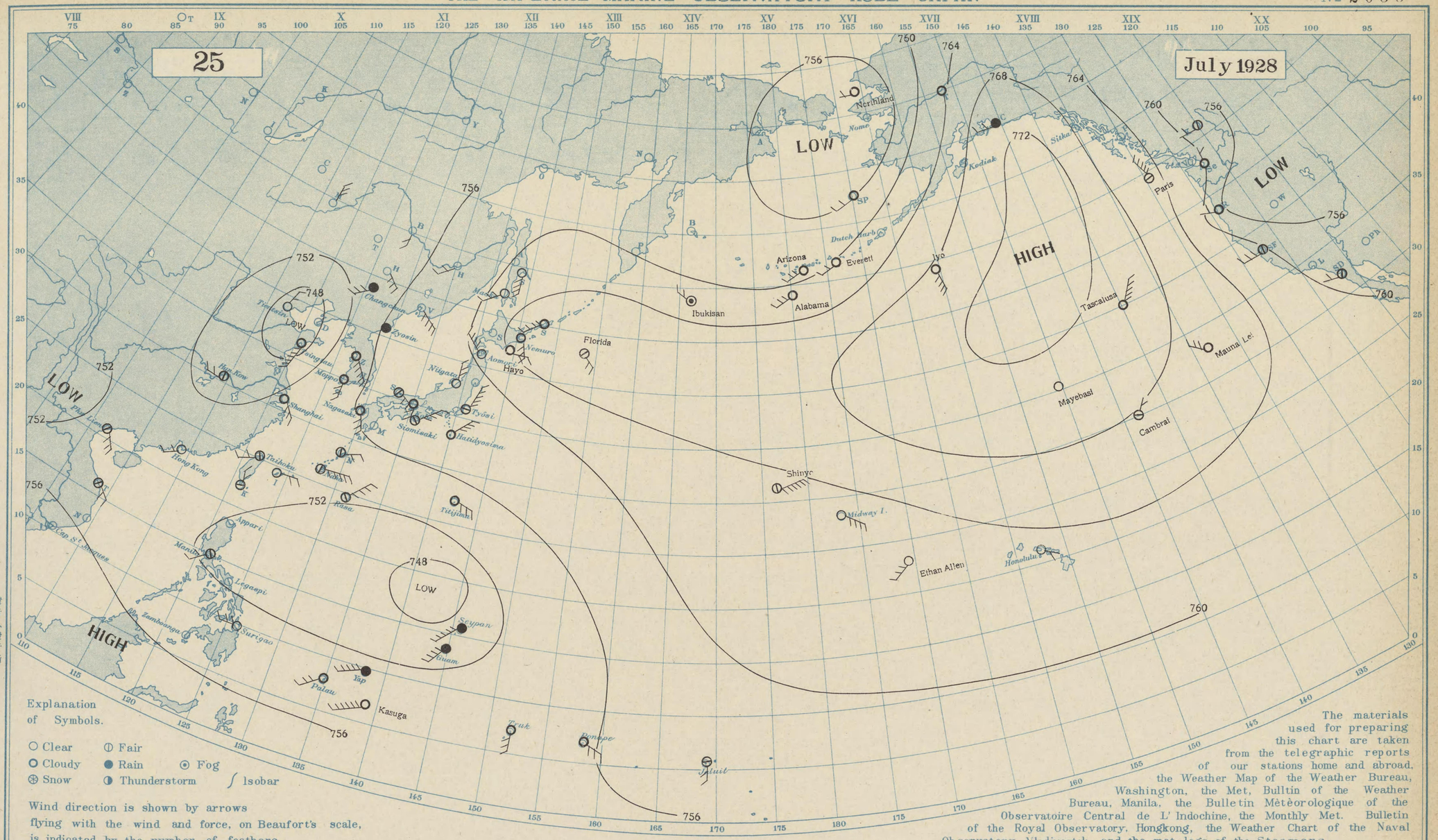
發行人 發行所 印刷人 販賣所 神戸市中山手通七丁目 海洋氣象臺

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

№ 2033



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 Mètèorologique of the Observatoire Central de L' Indochine, the Monthly Met. Bulletin of the Royal Observatory, Hongkong, the Weather Chart of the Naval Observatory, Vladivostok, and the met. logs of the Steamers.

Station / Hour of Observation	Taihoku 12h, 135E	Naha 12h, 135E	Nagasaki 12h, 135E	Siomisaki 12h, 135E	Kôbe 12h, 135E	Tyôsi 12h, 135E	Hatidyôsima 12h, 135E	Titizima 12h, 135E	Niigata 12h, 135E	Aomori 12h, 135E	Nemuro 12h, 135E	Maoka 12h, 135E	Moppo 12h, 135E	Zyôsin 12h, 135E	Changchun 12h, 135E	Tientsin 12h, 135E	Tsingtau 12h, 135E
Atm. Pressure (Red. to m.s.l. and Strd. Gr.) (* not reduced to Strd. Gr.)	753.2	753.3	756.7	757.9	757.9	758.3	756.6	753.4	758.4	760.1	765.1	762.0	755.0	758.4	753.1	747.4	746.4
Air Temperature (in C)	33.2	30.2	28.5	26.3	28.6	23.2	25.6	30.1	29.2	26.0	16.5	24.6	28.9	24.0	25.2	258	26.4
Direction and Force of Winds (0-12)	WSW 2	E 5	SSE 3	NE 4	S 2	NNE 5	NE 5	ESE 3	N 3	NW 4	SSE 3	SW 3	S 3	calm	SW 3	NNE 2	SSW 6
Weather	fair	fair	cloudy	fair	cloudy	fair	cloudy	cloudy	clear	clear	cloudy	clear	cloudy	rain	rain	clear	cloudy

Station / Hour of Observation	Shanghai 12h, 135E	Hankow 12h, 135E	Rasa 12h, 135E	Palau 12h, 135E	Hongkong 14h,	Manila 14h,	Surigao 14h,	Guam 14h,	Yap 14h,	Phu-Lien 10h,	Truk 6h	Jaluit 8h	Honolulu 20h,	Midway I. 18:30h	Nome 20h, 135W	Dutch Harbor 8h, 135W	Kodiak 8h, 135W
Atm. Pressure (Red. to m.s.l. and Strd Gr.) (* not reduced to Strd Gr.)	752.1	751.0	752.2	755.7	752.4	* 752.4	* 754.1	* 750.8	* 755.5	* 752.7	754.1	759.0	764.0	762.5	-	-	768.6
Air Temperature (in C)	32.3	36.9	30.0	29.1	32.	30.	32.	-	-	31.	27.7	30.1	24.	24.	-	-	8.
Direction and Force of Winds (0-12)	SE 3	W 2	NE 4	SW 3	SW 2	SW 2	W 3	SW 4	WSW 5	SE 3	S 3	S 2	E 2	E 5	-	-	NE 3
Weather	cloudy	fair	fair	cloudy	clear	fair	clear	rain	rain	fair	cloudy	fair	clear	clear	-	-	cloudy

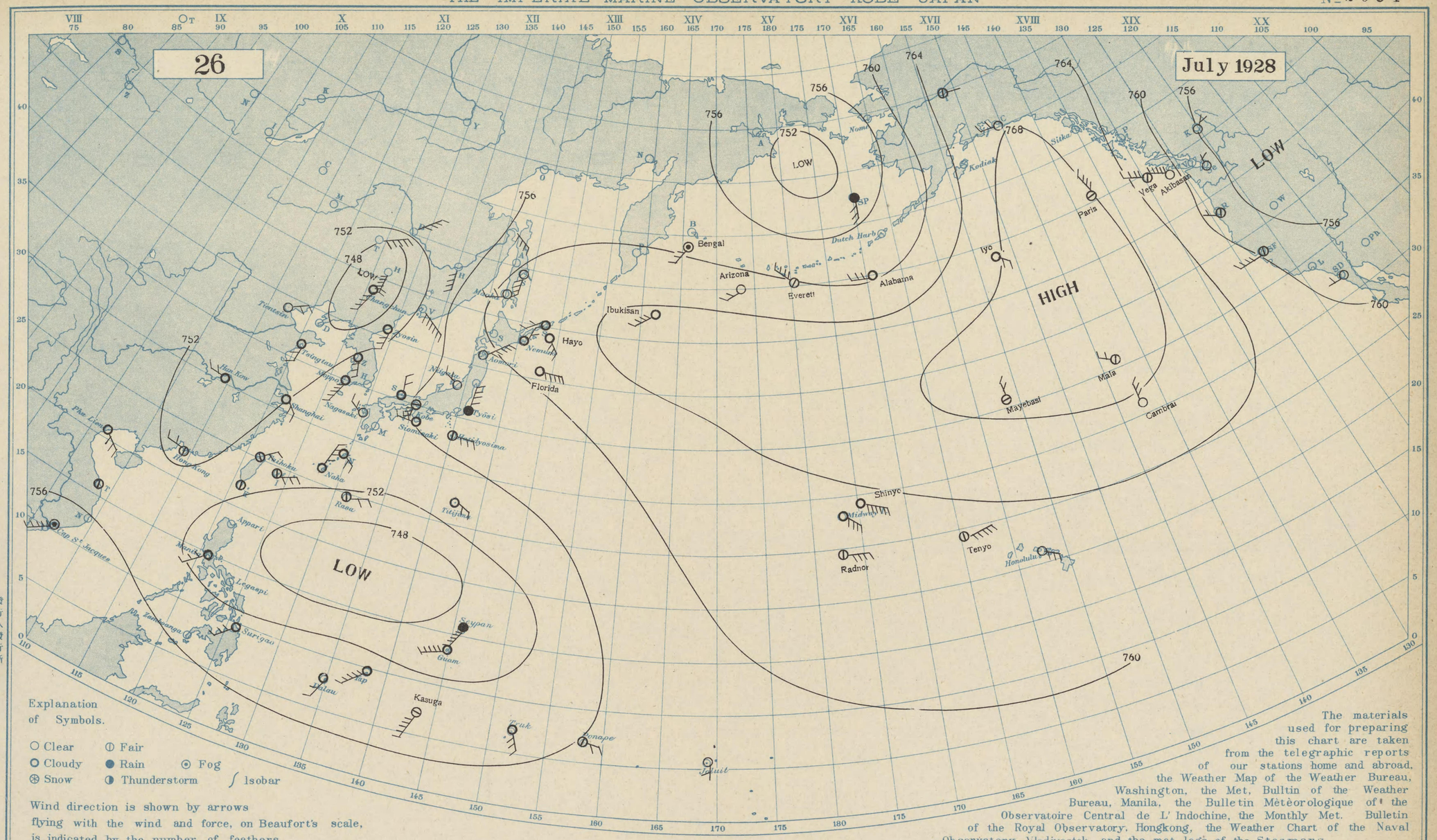
印刷人 販賣所 神戸市中山手通七丁目 海洋氣象臺 発行人 発行所

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

№ 2034



Explanation of Symbols.

○ Clear ◐ Fair
● Cloudy ● Rain ⊙ Fog
⊛ Snow ◑ Thunderstorm ∫ Isobar

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

The materials used for preparing this chart are taken from the telegraphic reports of our stations home and abroad, the Weather Map of the Weather Bureau, Washington, the Met. Bulltin of the Weather Bureau, Manila, the Bulletin Mèteorologique of the Observatoire Central de L' Indochine, the Monthly Met. Bulletin of the Royal Observatory, Hongkong, the Weather Chart of the Naval Observatory, Vladivostok, and the met. logs of the Steamers.

Station / Hour of Observation	Taihoku 12h, 135E	Naha 12h, 135E	Nagasaki 12h, 135E	Siomisaki 12h, 135E	Kôbe 12h, 135E	Tyôsi 12h, 135E	Hatidyôsima 12h, 135E	Titizima 12h, 135E	Niigata 12h, 135E	Aomori 12h, 135E	Nemuro 12h, 135E	Maoka 12h, 135E	Moppo 12h, 135E	Zyôsin 12h, 135E	Changchun 12h, 135E	Tientsin 12h, 135E	Tsingtau 12h, 135E
Atm. Pressure (Red. to m.s.l. and Strd. Gr.; * not reduced to Strd. Gr.)	752.5	752.4	755.9	756.1	756.2	755.1	756.3	753.0	756.3	758.6	762.2	761.1	753.7	751.5	745.5	750.3	751.1
Air Temperature (in C)	32.6	29.3	29.8	27.4	29.4	21.7	26.2	21.6	26.7	23.0	16.0	23.3	30.0	23.0	24.9	29.2	27.6
Direction and Force of Winds (0-12)	NE 2	NNE 4	NW 2	W 3	S 3	N 4	E 3	ESE 2	NW 2	NE 5	NNE 3	WSW 2	SSW 5	S 3	SSW 4	NE 2	S 2
Weather	fair	cloudy	clear	cloudy	fair	rain	fair	cloudy	clear	clear	cloudy	clear	cloudy	cloudy	cloudy	clear	cloudy

Station / Hour of Observation	Shanghai 12h, 135E	Hankow 12h, 135E	Rasa 12h, 135E	Palau 12h, 135E	Hongkong 14h,	Manila 14h,	Surigao 14h,	Guam 14h,	Yap 14h,	Phu-Lien 10h,	Truk 6h	Jaluit 8h	Honolulu 20h,	Midway I. 18:30h	Nome 20h, 135W	Dutch Harbor 8hh, 135W	Kodiak 8hh, 135W
Atm. Pressure (Red. to m.s.l. and Strd Gr.; * not reduced to Strd Gr.)	752.0	751.1	751.6	755.4	751.5	*751.2	*754.1	*751.9	*755.5	*752.9	755.5	759.2	763.0	763.0	759.5	757.4	765.0
Air Temperature (in C)	31.8	35.7	31.2	30.2	32.	28.	30.	-	-	30.	28.1	30.0	24.	26.	9.	9.	10.
Direction and Force of Winds (0-12)	SE 2	W 2	ENE 2	SSW 2	W 2	SW 3	SW 3	WSW 5	SW 5	SE 3	SSE 3	S 1	E 3	SE 4	SE 3	SE 2	SE 3
Weather	cloudy	cloudy	fair	cloudy	fair	cloudy	cloudy	cloudy	cloudy	cloudy	cloudy	clear	clear	cloudy	cloudy	cloudy	fair

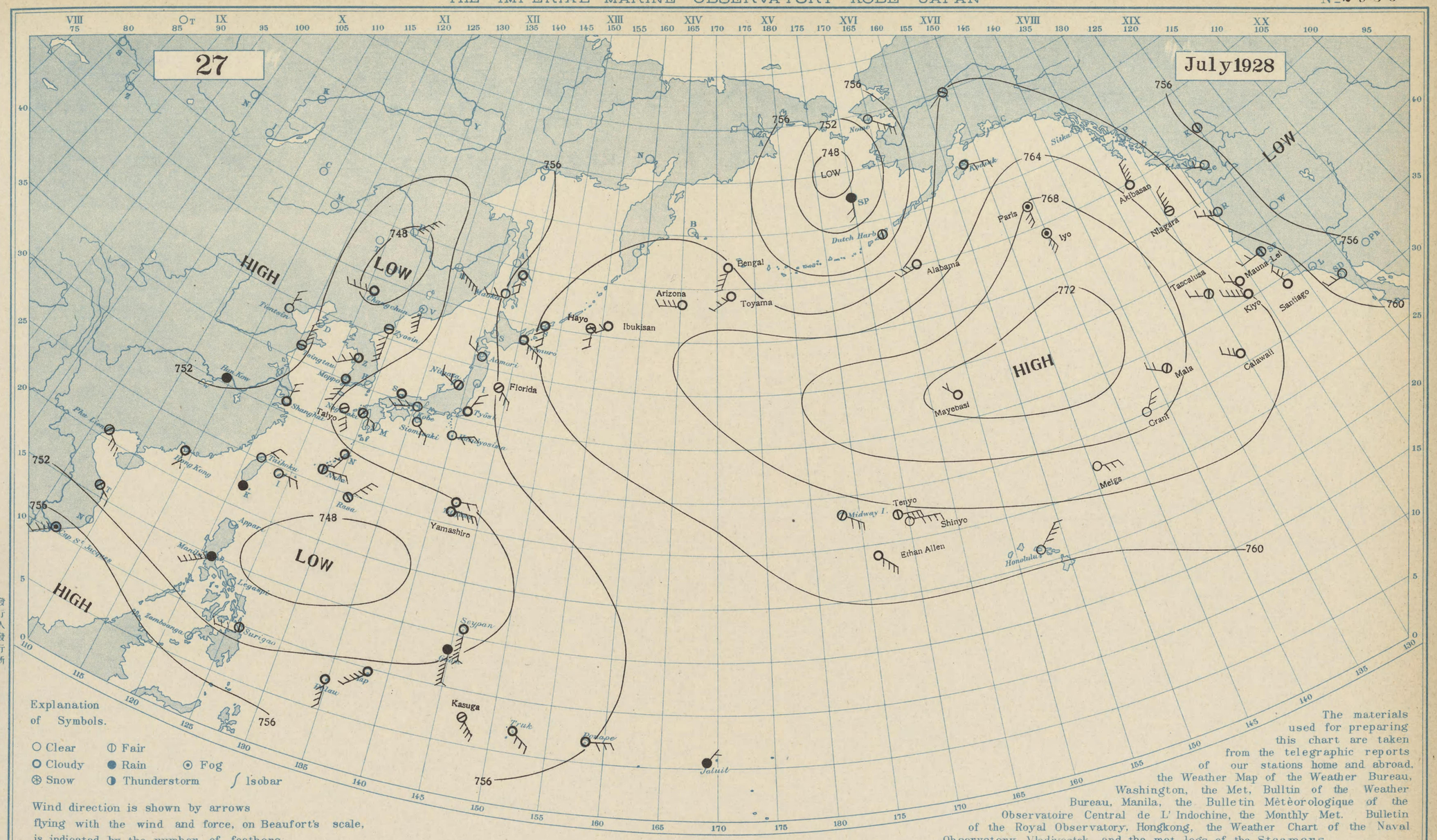
印刷人 發行人 發行所
神戸市中山手通七丁目
海洋氣象臺

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

№2035



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 Mètèorologique of the Observatoire Central de L' Indochine, the Monthly Met. Bulletin of the Royal Observatory, Hongkong, the Weather Chart of the Naval Observatory, Vladivostok, and the met. logs of the Steamers.

Station / Hour of Observation	Taihoku 12h, 135E	Naha 12h, 135E	Nagasaki 12h, 135 E	Siomisaki 12h, 135 E	Kôbe 12h, 135E	Tyôsi 12h, 135E	Hatidyôsima 12h, 135 E	Titizima 12h, 135 E	Niigata 12h, 135 E	Aomori 12h, 135 E	Nemuro 12h, 135 E	Maoka 12h, 135 E	Moppo 12h, 135 E	Zyôsin 12h, 135E	Changchun 12h, 135 E	Tientsin 12h, 135 E	Tsingtau 12h, 135E
Atm. Pressure (Red. to m.s.l. and Strd. Gr.; * not reduced to Strd. Gr.)	750.8	750.7	753.9	754.6	754.3	755.3	755.2	751.5	754.3	754.9	759.0	756.0	751.9	748.8	747.5	752.5	752.2
Air Temperature (in C)	35.0	30.9	28.7	27.5	29.8	22.5	27.7	31.3	28.2	25.2	16.3	24.1	25.8	23.5	19.2	30.8	26.6
Direction and Force of Winds (0-12)	NE 2	E 3	ESE 2	SE 2	WSW 3	NNE 2	ENE 3	E 2	NW 2	NW 2	SE 4	W 2	SSW 3	S 5	W 4	N 2	N 4
Weather	clear	fair	fair	clear	clear	cloudy	clear	cloudy	fair	clear	cloudy	clear	cloudy	fair	cloudy	clear	fair

Station / Hour of Observation	Shanghai 12h, 135 E	Hankow 12h, 135 E	Rasa 12h, 135 E	Palau 12h, 135 E	Hongkong 14h,	Manila 14h,	Surigao 14h,	Guam 14h,	Yap 14h,	Phu-Lien 10h,	Truk 6h	Jaluit 8h	Honolulu 20h,	Midway I. 18:30h	Nome 20h, 135W	Dutch Harbor 8h, 135W	Kodiak 8h, 135W
Atm. Pressure (Red. to m.s.l. and Strd Gr.; * not reduced to Strd Gr.)	750.8	752.7	750.2	755.3	749.7	*749.7	*753.0	*752.4	*755.4	*750.4	755.6	759.9	762.0	763.5	754.9	754.4	761.5
Air Temperature (in C)	30.4	26.3	31.3	29.1	32.	26.	31.	-	-	32.	28.2	27.0	24.	26.	12.	7.	9.
Direction and Force of Winds (0-12)	N 2	- 1	NE 4	S 4	SSE 1	SW 6	W 3	S 6	SW 5	SE 3	SE 3	NE 1	NE 4	SE 3	SE 4	calm	E 3
Weather	cloudy	rain	fair	cloudy	cloudy	rain	fair	rain	cloudy	fair	cloudy	rain	clear	fair	clear	fair	cloudy

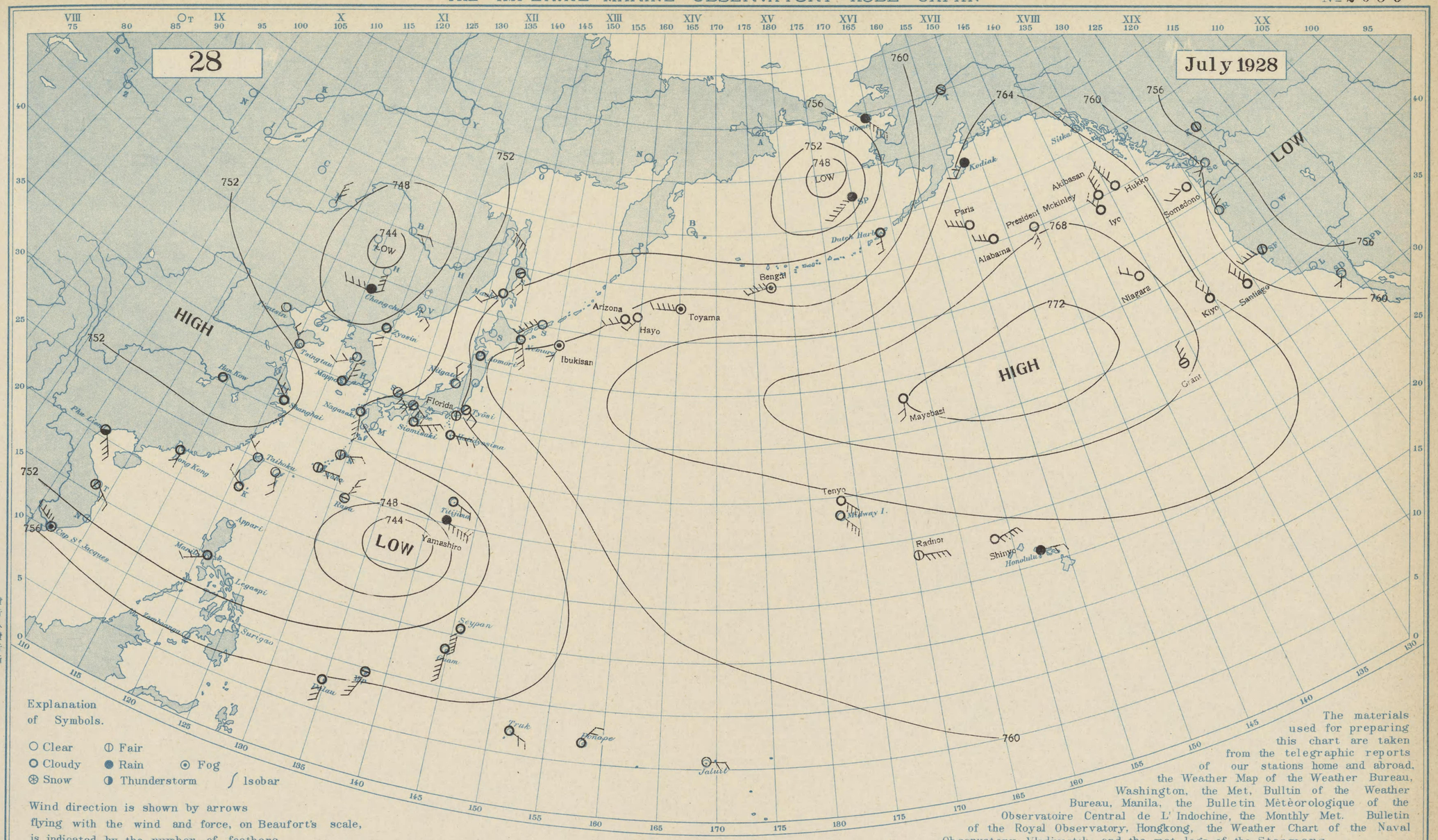
發行人 印刷人 販賣所 神戸市中山手通七丁目 海洋氣象臺

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

№2036



Explanation of Symbols.

○ Clear ◐ Fair
○ Cloudy ● Rain ⊙ Fog
⊛ Snow ◑ Thunderstorm ∫ Isobar

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

The materials used for preparing this chart are taken from the telegraphic reports of our stations home and abroad, the Weather Map of the Weather Bureau, Washington, the Met. Bulltin of the Weather Bureau, Manila, the Bulletin Mètèorologique of the Observatoire Central de L' Indochine, the Monthly Met. Bulletin of the Royal Observatory, Hongkong, the Weather Chart of the Naval Observatory, Vladivostok, and the met. logs of the Steamers.

Station / Hour of Observation	Taihoku 12h, 135E	Naha 12h, 135E	Nagasaki 12h, 135E	Siomisaki 12h, 135E	Kôbe 12h, 135E	Tyôsi 12h, 135E	Hatidyôsima 12h, 135E	Titizima 12h, 135E	Niigata 12h, 135E	Aomori 12h, 135E	Nemuro 12h, 135E	Maoka 12h, 135E	Moppo 12h, 135E	Zyôsin 12h, 135E	Changchun 12h, 135E	Tientsin 12h, 135E	Tsingtau 12h, 135E
Atm. Pressure (Red. to m.s.l. and Strd. Gr.) (* not reduced to Strd. Gr.)	750.1	750.1	752.0	754.0	753.9	756.2	755.3	749.8	754.1	755.3	758.6	755.9	751.2	749.0	746.2	750.6	751.9
Air Temperature (in C)	33.1	31.8	28.3	27.0	31.1	26.3	27.7	28.1	29.3	22.9	16.5	24.7	24.8	24.9	18.2	30.7	28.3
Direction and Force of Winds (0-12)	NW 2	E 3	SSE 4	ENE 4	SE 2	SE 2	E 3	ESE 2	NNW 2	calm	SSE 4	SW 3	N 3	S 2	W 4	- 1	NW 2
Weather	clear	fair	cloudy	cloudy	fair	fair	cloudy	cloudy	clear	cloudy	cloudy	cloudy	cloudy	cloudy	rain	clear	clear

Station / Hour of Observation	Shanghai 12h, 135E	Hankow 12h, 135E	Rasa 12h, 135E	Palau 12h, 135E	Hongkong 14h,	Manila 14h,	Surigao 14h,	Guam 14h,	Yap 14h,	Phu-Lien 10h,	Truk 6h	Jaluit 8h	Honolulu 20h,	Midway I. 18:30h	Nome 20h, 135W	Dutch Harbor 8h, 135W	Kodiak 8h, 135W
Atm. Pressure (Red. to m.s.l. and Strd. Gr.) (* not reduced to Strd. Gr.)	752.7	754.3	748.8	756.4	749.7	*751.7	* -	*755.7	* 757.2	* 749.9	756.8	758.1	763.0	762.5	757.9	757.4	765.5
Air Temperature (in C)	25.4	30.4	34.9	29.9	32.	28.	-	-	-	32.	28.1	30.1	23.	26.	9.	10.	14.
Direction and Force of Winds (0-12)	NW 3	- 1	NNE 3	S 3	S 1	SW 3	-	S 5	SSW 5	SE 4	SE 2	E 2	E 2	SE 4	SE 6	S 2	SW 2
Weather	cloudy	cloudy	fair	cloudy	cloudy	cloudy	-	cloudy	fair	th.s	cloudy	clear	rain	cloudy	rain	cloudy	rain

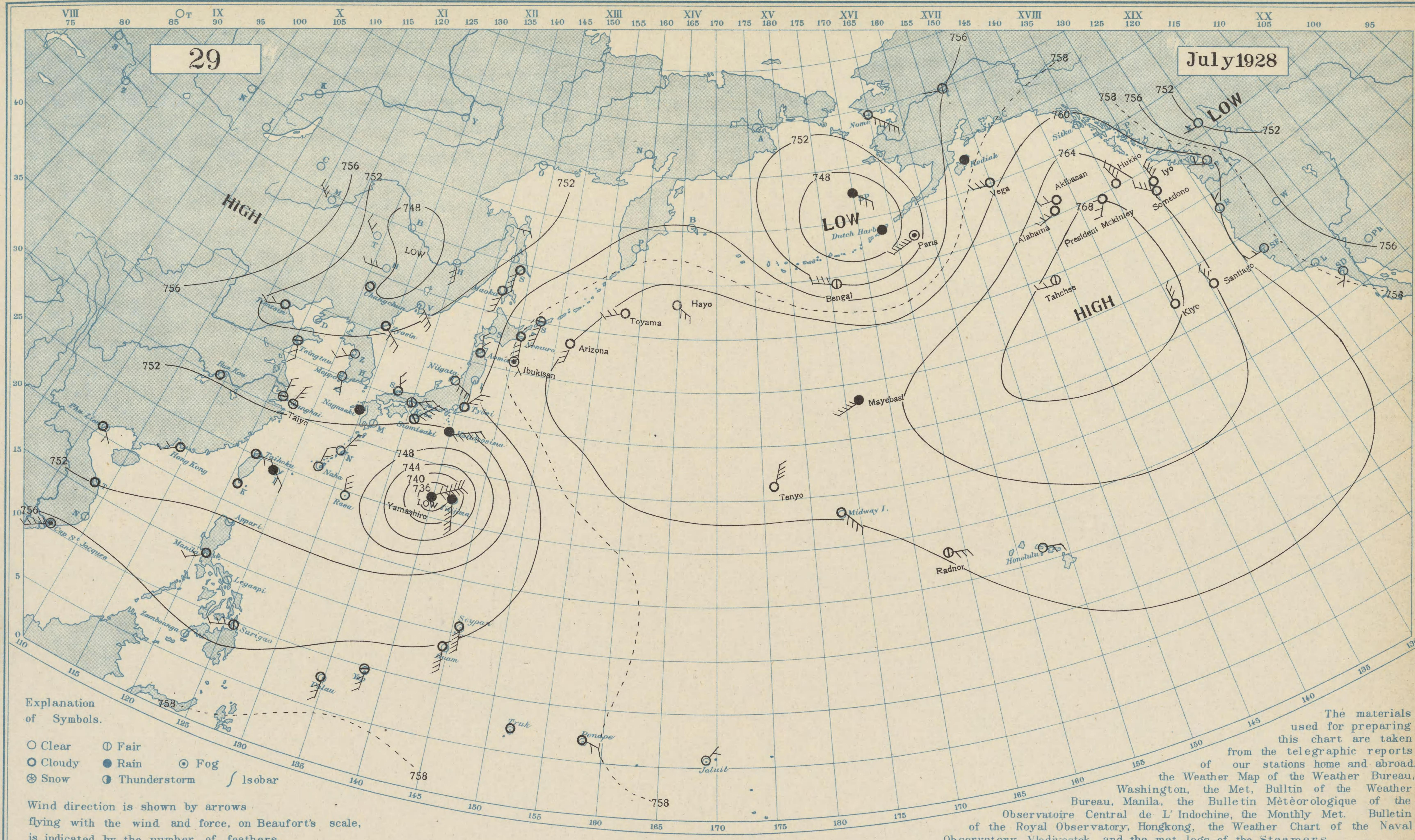
發行人 發行所 印刷人 販賣所 神戸市中山手通七丁目 海洋氣象臺

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

№2037



Explanation of Symbols.

○ Clear ⦶ Fair
O Cloudy ● Rain ⊙ Fog
⊛ Snow ◑ Thunderstorm ∫ Isobar

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

The materials used for preparing this chart are taken from the telegraphic reports of our stations home and abroad, the Weather Map of the Weather Bureau, Washington, the Met. Bulltin of the Weather Bureau, Manila, the Bulletin Mètèorologique of the Observatoire Central de L' Indochine, the Monthly Met. Bulletin of the Royal Observatory, Hongkong, the Weather Chart of the Naval Observatory, Vladivostok, and the met. logs of the Steamers.

Station / Hour of Observation	Taihoku 12h, 135E	Naha 12h, 135E	Nagasaki 12h, 135E	Siomisaki 12h, 135E	Kôbe 12h, 135E	Tyôsi 12h, 135E	Hatidyôsima 12h, 135E	Titizima 12h, 135E	Niigata 12h, 135E	Aomori 12h, 135E	Nemuro 12h, 135E	Maoka 12h, 135E	Moppo 12h, 135E	Zyôsin 12h, 135E	Changchun 12h, 135E	Tientsin 12h, 135E	Tsingtau 12h, 135E
Atm. Pressure (Red. to m.s.l. and Strd. Gr.) (* not reduced to Strd. Gr.)	751.2	750.4	752.3	752.3	752.9	755.7	751.8	736.4	753.5	754.9	758.8	755.0	762.3	751.8	748.0	750.5	752.4
Air Temperature (in C)	33.1	29.8	23.2	27.0	31.1	24.1	25.2	26.0	33.2	23.0	19.5	24.4	28.2	24.1	25.6	30.4	30.4
Direction and Force of Winds (0-12)	E 2	N 2	calm	NE 5	ENE 3	NE 3	ENE 6	SSE 8	SE 4	NNW 2	S 4	SSW 3	SSE 1	SE 3	calm	WSW 2	SSE 2
Weather	cloudy	clear	rain	fair	fair	cloudy	rain	rain	clear	cloudy	cloudy	cloudy	clear	cloudy	cloudy	cloudy	fair

Station / Hour of Observation	Shanghai 12h, 135E	Hankow 12h, 135E	Rasa 12h, 135E	Palau 12h, 135E	Hongkong 14h,	Manila 14h,	Surigao 14h,	Guam 14h,	Yap 14h,	Phu-Lien 10h,	Truk 6h	Jaluit 8h	Honolulu 20h,	Midway I. 18:30h	Nome 20h, 135W	Dutch Harbor 8h, 135W	Kodiak 8h, 135W
Atm. Pressure (Red. to m.s.l. and Strd Gr.) (* not reduced to Strd Gr.)	752.9	752.2	749.5	757.2	750.3	*753.6	*755.4	*757.5	*758.6	*751.0	757.1	760.0	763.0	760.0	754.4	745.7	757.9
Air Temperature (in C)	27.7	30.7	30.4	29.5	32.	30.	32.	-	-	29.	28.3	29.8	26.	26.	14.	9.	9.
Direction and Force of Winds (0-12)	N 2	- 1	NNW 3	S 3	SW 2	SW 2	WSW 3	S 4	S 3	SE 1	calm	NE 1	E 2	SE 4	SE 6	calm	calm
Weather	fair	cloudy	clear	cloudy	cloudy	cloudy	fair	cloudy	fair	cloudy	cloudy	clear	clear	cloudy	cloudy	rain	rain

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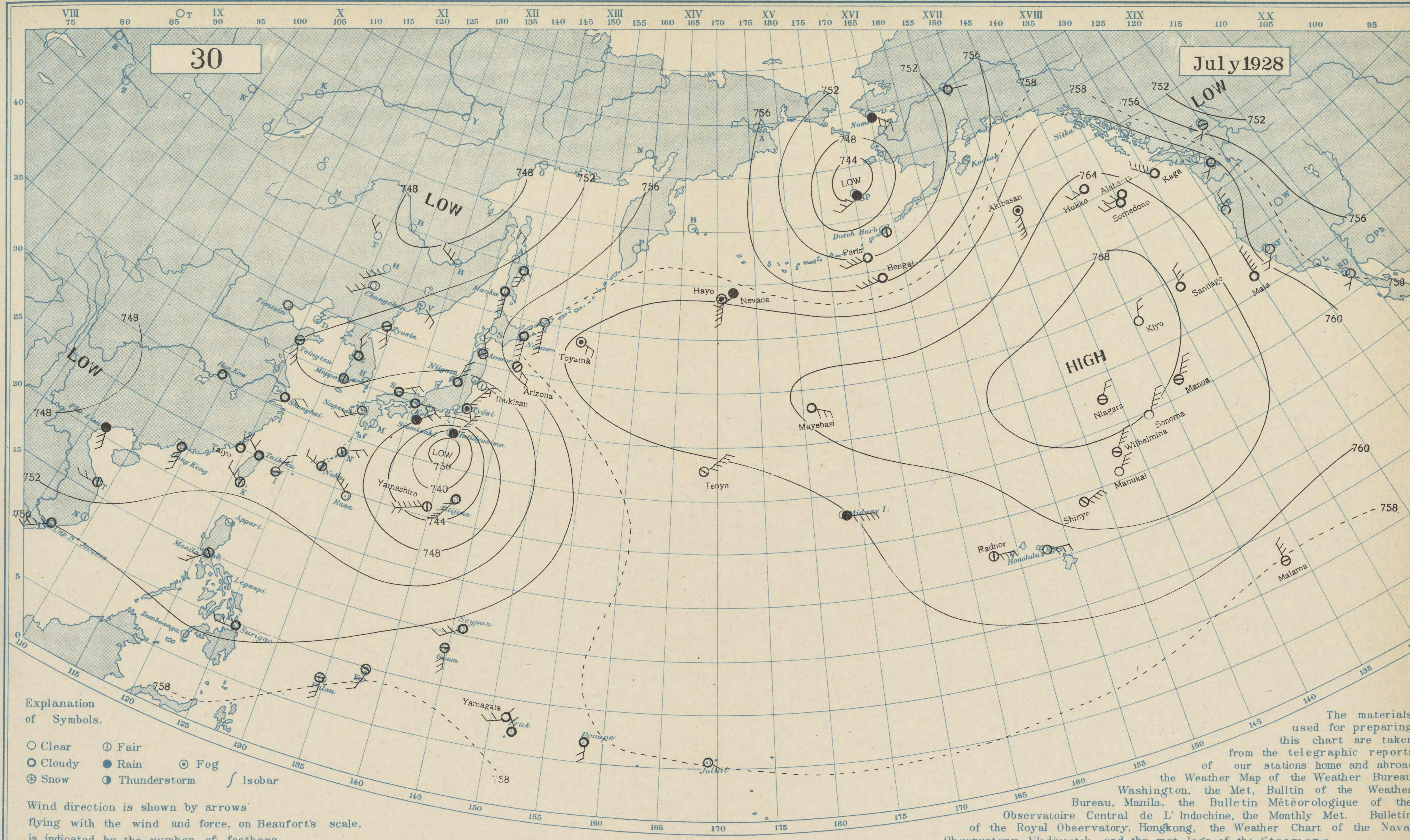
DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

№ 2038



Explanation of Symbols.

○ Clear ⦶ Fair
○ Cloudy ● Rain ⊙ Fog
⊛ Snow ◑ Thunderstorm ∫ Isobar

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

The materials used for preparing this chart are taken from the telegraphic reports of our stations home and abroad, the Weather Map of the Weather Bureau, Washington, the Met, Bulltin of the Weather Bureau, Manila, the Bulletin Mètèorologique of the Observatoire Central de L' Indochine, the Monthly Met. Bulletin of the Royal Observatory, Hongkong, the Weather Chart of the Naval Observatory, Vladivostok, and the met. logs of the Steamers.

Station / Hour of Observation	Taihoku 12^h, 135E	Naha 12^h, 135E	Nagasaki 12^h, 135E	Siomisaki 12^h, 135E	Kôbe 12^h, 135E	Tyôsi 12^h, 135E	Hatidyôsima 12^h, 135E	Titizima 12^h, 135E	Niigata 12^h, 135E	Aomori 12^h, 135E	Nemuro 12^h, 135E	Maoka 12^h, 135E	Moppo 12^h, 135E	Zyôsin 12^h, 135E	Changchun 12^h, 135E	Tientsin 12^h, 135E	Tsingtau 12^h, 135E
Atm. Pressure (Red. to m.s.l. and Strd. Gr.) (* not reduced to Strd. Gr.)	751.6	750.6	751.5	748.1	749.8	751.5	739.5	742.6	751.8	755.3	759.0	755.0	752.3	754.3	750.1	751.1	752.0
Air Temperature (in C)	31.9	30.2	29.0	27.1	31.2	22.6	24.4	25.7	30.0	23.7	20.6	22.1	30.2	25.8	20.6	31.5	8.0
Direction and Force of Winds (0-12)	NW 2	WNW 2	SW 3	NE 2	E 2	NE 5	NE 8	SW 5	NNE 3	NNW 2	S 4	S 4	calm	SSE 2	SW 3	- 1	SSE 3
Weather	cloudy	fair	clear	rain	cloudy	fog	rain	cloudy	cloudy	fair	cloudy	cloudy	fair	fair	clear	clear	fair

Station / Hour of Observation	Shanghai 12^h, 135E	Hankow 12^h, 135E	Rasa 12^h, 135E	Palau 12^h, 135E	Hongkong 14^h,	Manila 14^h,	Surigao 14^h,	Guam 14^h,	Yap 14^h,	Phu-Lien 10^h,	Truk 6^h	Jaluit 8^h	Honolulu 20^h,	Midway I. 18:30h	Nome 20^h, 135W	Dutch Harbor 18^h (8h), 135W	Kodiak 18^h (8h), 135W
Atm. Pressure (Red. to m.s.l. and Strd Gr.) (* not reduced to Strd Gr.)	751.9	750.6	750.6	757.5	750.9	*754.3	*756.4	*758.3	*759.2	*750.1	757.7	759.1	763.0	759.5	750.8	749.8	-
Air Temperature (in C)	29.2	32.6	30.9	30.8	32.	29.	29.	-	-	31.	26.2	30.2	26.	20.	11.	9.	-
Direction and Force of Winds (0-12)	ENE 2	- 1	NW 3	S 3	S 4	SW 3	W 2	S 3	SSW 3	SSE 3	NNW 2	SE 1	E 3	E 5	SE 3	calm	-
Weather	cloudy	cloudy	clear	fair	cloudy	fair	cloudy	fair	fair	rain	cloudy	clear	clear	rain	rain	fair	-

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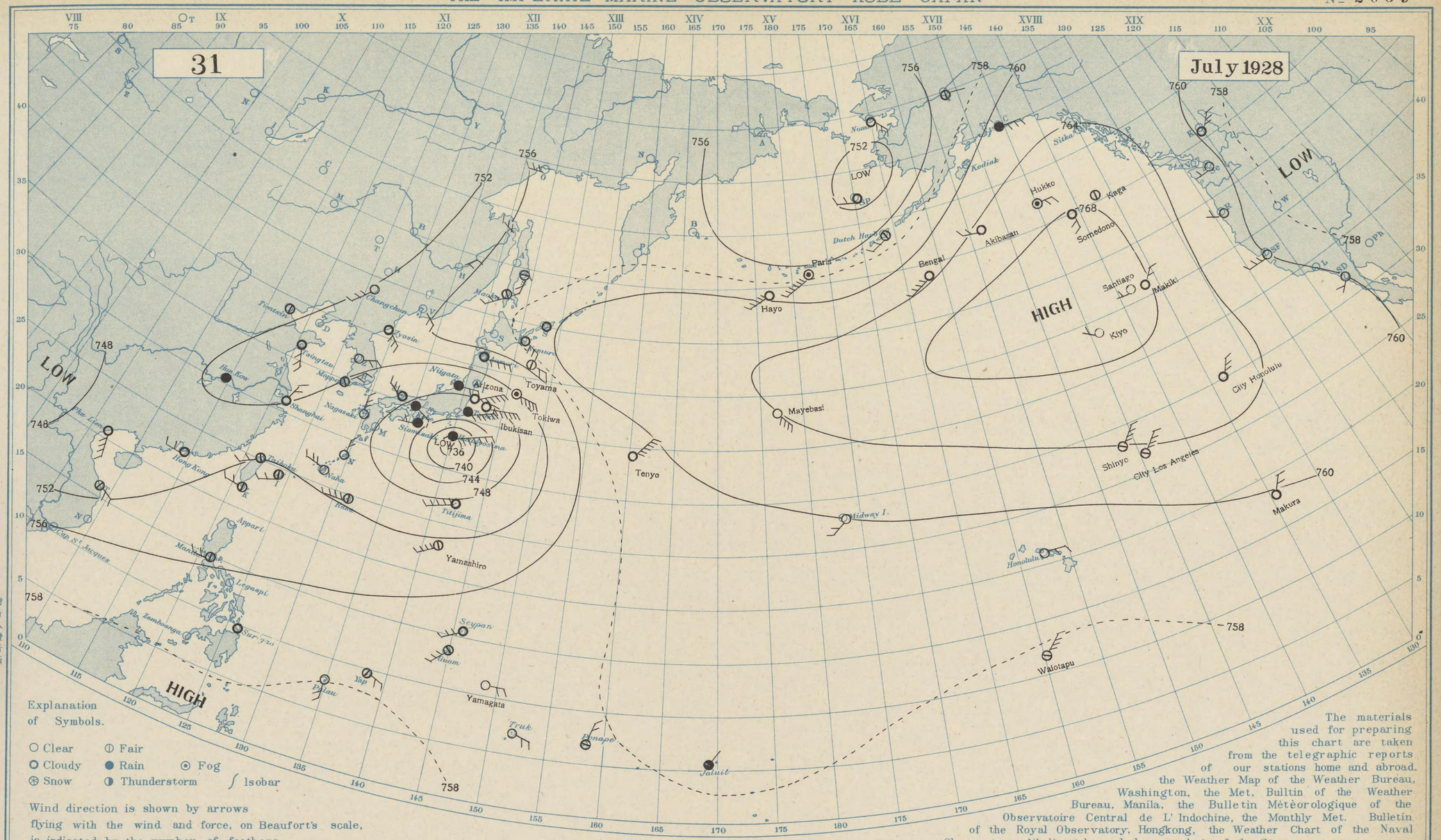
DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

№ 2039



Explanation of Symbols.

○ Clear ◐ Fair
○ Cloudy ● Rain ⊙ Fog
⊛ Snow ◑ Thunderstorm ∫ Isobar

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

The materials used for preparing this chart are taken from the telegraphic reports of our stations home and abroad, the Weather Map of the Weather Bureau, Washington, the Met. Bulltin of the Weather Bureau, Manila, the Bulletin Mètèorologique of the Observatoire Central de L' Indochine, the Monthly Met. Bulletin of the Royal Observatory, Hongkong, the Weather Chart of the Naval Observatory, Vladivostok, and the met. logs of the Steamers.

Station / Hour of Observation	Taihoku 12h, 135E	Naha 12h, 135E	Nagasaki 12h, 135E	Siomisaki 12h, 135E	Kôbe 12h, 135E	Tyôsi 12h, 135E	Hatidyôsima 12h, 135E	Titizima 12h, 135E	Niigata 12h, 135E	Aomori 12h, 135E	Nemuro 12h, 135E	Maoka 12h, 135E	Moppo 12h, 135E	Zyôsin 12h, 135E	Changchun 12h, 135E	Tientsin 12h, 135E	Tsingtau 12h, 135E
Atm. Pressure (Red. to m.s.l. and Strd. Gr. / * not reduced to Strd. Gr.)	751.9	751.5	750.6	745.4	747.4	745.8	735.8	748.6	750.0	754.7	759.6	757.3	751.7	755.6	752.4	751.5	752.3
Air Temperature (in C)	33.0	30.0	28.3	24.2	25.1	22.4	24.6	27.1	26.6	26.4	18.1	24.1	28.7	21.5	29.6	30.7	26.0
Direction and Force of Winds (0-12)	SW 2	WNW 3	N 3	W 1	SE 2	ENE 7	ENE 6	WSW 5	E 2	E 4	SE 3	SW 3	NE 2	SE 3	SW 3	- 1	SSE 3
Weather	fair	clear	clear	rain	rain	rain	rain	cloudy	rain	cloudy	cloudy	fair	fair	cloudy	clear	fair	cloudy

Station / Hour of Observation	Shanghai 12h, 135E	Hankow 12h, 135E	Rasa 12h, 135E	Palau 12h, 135E	Hongkong 14h,	Manila 14h,	Surigao 14h,	Guam 14h,	Yap 14h,	Phu-Lien 10h,	Truk 6h	Jaluit 8h	Honolulu 20h,	Midway I. 18:30h	Nome 20h, 135W	Dutch Harbor 8h, 135W	Kodiak 8h, 135W
Atm. Pressure (Red. to m.s.l. and Strd Gr. / * not reduced to Strd Gr.)	753.1	752.6	751.8	758.0	751.5	*755.2	*756.8	*758.3	*758.9	*750.2	757.1	759.6	758.4	760.0	753.9	756.9	-
Air Temperature (in C)	29.0	27.6	30.1	29.8	32.	29.	30.	-	-	30.	28.3	24.2	29.	26.	9.	8.	-
Direction and Force of Winds (0-12)	NNE 2	- 1	W 4	S 2	W 2	W 2	calm	SW 3	SE 2	SSW 4	SE 2	NE -	E 2	SW 2	SE 3	SW 2	-
Weather	cloudy	rain	fair	clear	cloudy	fair	cloudy	fair	fair	cloudy	clear	rain	clear	clear	cloudy	fair	-

發行人 印刷人 發行所 印刷人 販賣所 神戸市中山手通七丁目 海洋氣象臺

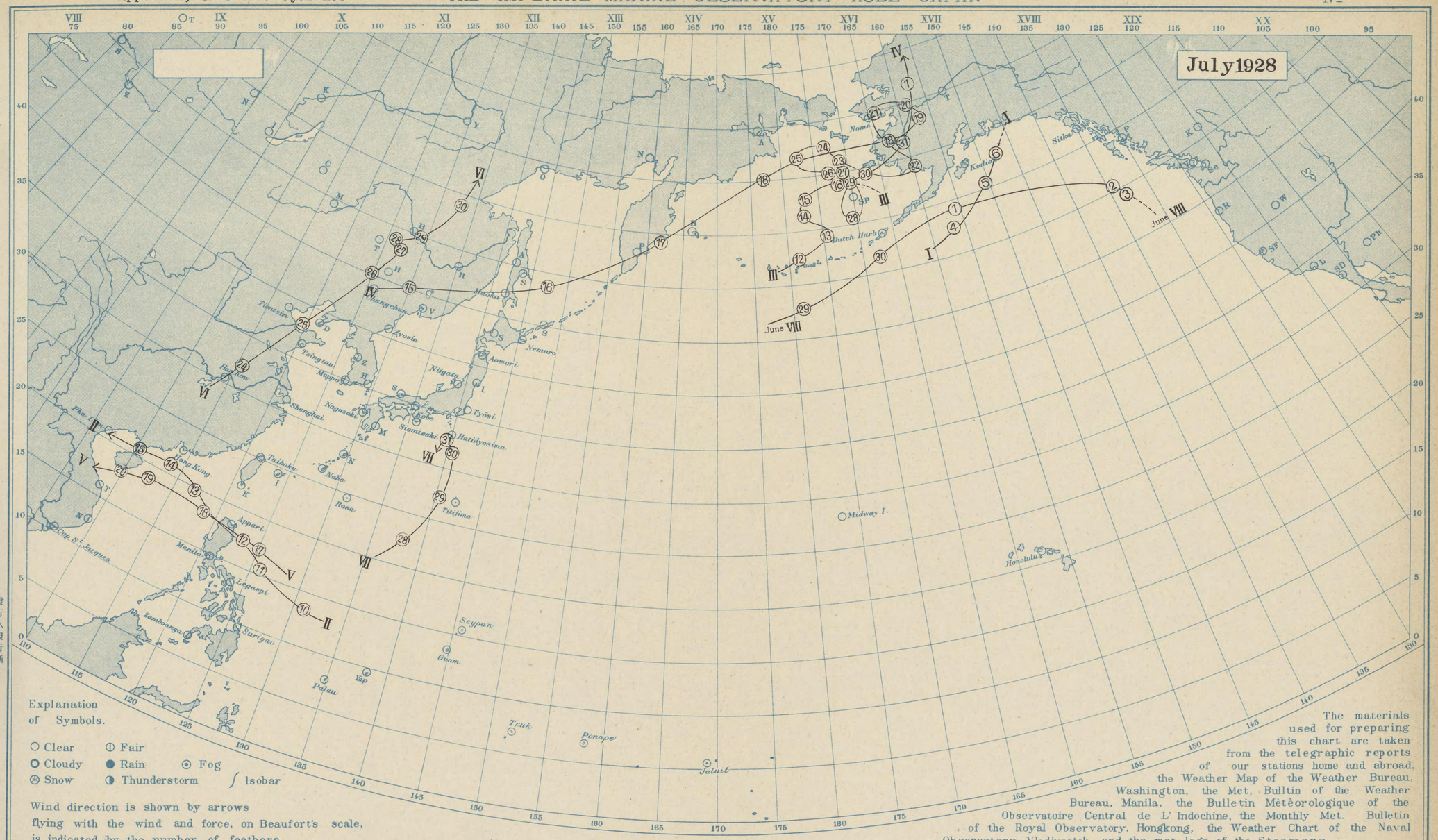
DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

Appendix; Tracks of cyclones

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No



Explanation of Symbols.

○ Clear ◐ Fair
● Cloudy ● Rain ⊙ Fog
⊕ Snow ◑ Thunderstorm ∫ Isobar

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

The materials used for preparing this chart are taken from the telegraphic reports of our stations home and abroad, the Weather Map of the Weather Bureau, Washington, the Met. Bulltin of the Weather Bureau, Manila, the Bulletin Mètèorologique of the Observatoire Central de L' Indochine, the Monthly Met. Bulletin of the Royal Observatory, Hongkong, the Weather Chart of the Naval Observatory, Vladivostok, and the met. logs of the Steamers.

Station Hour of Observation	Taihoku 12h, 135E	Naha 12h, 135E	Nagasaki 12h, 135E	Siomisaki 12h, 135E	Kôbe 12h, 135E	Tyôsi 12h, 135E	Hatidyôsima 12h, 135E	Titizima 12h, 135E	Niigata 12h, 135E	Aomori 12h, 135E	Nemuro 12h, 135E	Maoka 12h, 135E	Moppo 12h, 135E	Zyôsin 12h, 135E	Changchun 12h, 135E	Tientsin 12h, 135E	Tsingtau 12h, 135E
Atm. Pressure (Red. to m.s.l. and Strd. Gr.; * not reduced to Strd. Gr.) Air Temperature (in C) Direction and Force of Winds (0-12) Weather																	

Station Hour of Observation	Shanghai 12h, 135E	Hankow 12h, 135E	Rasa 12h, 135E	Palau 12h, 135E	Hongkong 14h,	Manila 14h,	Surigao 14h,	Guam 14h,	Yap 14h,	Phu-Lien 10h,	Truk 6h	Jaluit 8h	Honolulu 20h,	Midway I. 18:30h	Nome 20h, 135W	Dutch Harbor 16h, 135W	Kodiak 16h, 135W
Atm. Pressure (Red. to m.s.l. and Strd Gr.; * not reduced to Strd Gr.) Air Temperature (in C) Direction and Force of Winds (0-12) Weather						*	*	*	*	*							

印刷人 發行人 發行所
神戸市中山手通七丁目
海洋氣象臺

昭和三年七月　　附錄　北太平洋天氣圖　低氣壓經路　　第　號

昭和三年十一月十六日發行
昭和三年十一月十三日印刷

不許複製

印刷所　海洋氣象臺
印刷者
發行兼　海洋氣象臺
神戸市中山手通七丁目

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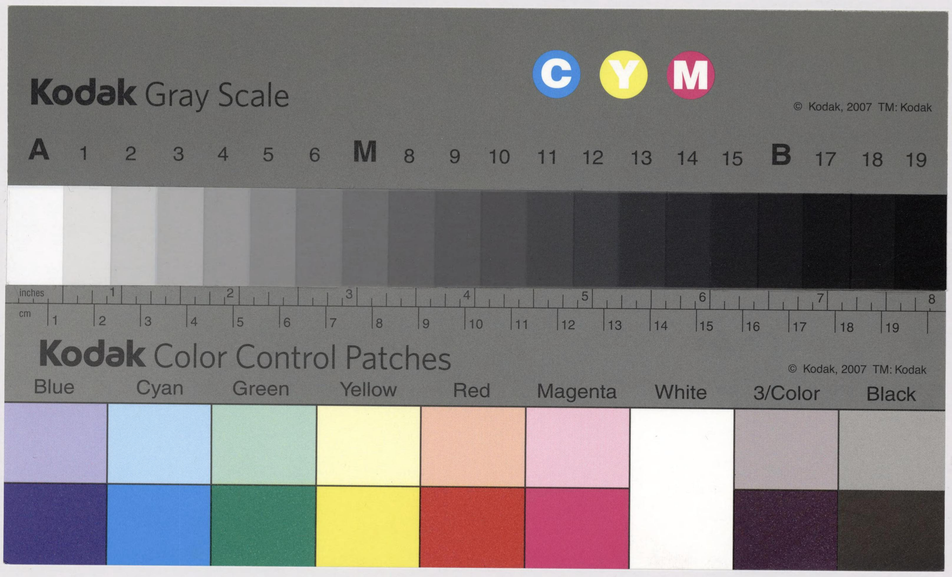
Kodak Gray Scale
C Y M
© Kodak, 2007 TM: Kodak
A 1 2 3 4 5 6 M 8 9 10 11 12 13 14 15 B 17 18 19
inches
cm
Kodak Color Control Patches
© Kodak, 2007 TM: Kodak
Blue Cyan Green Yellow Red Magenta White 3/Color Black