北太平洋天氣圖

昭和三年十二月

神戶

海洋氣象臺

DAILY WEATHER CHARTS

OF THE

NORTH PACIFIC OCEAN.

DECEMBER

1928

THE IMPERIAL MARINE OBSERVATORY,

KOBE, JAPAN.

寄贈
4.9.13
帝國圖書館

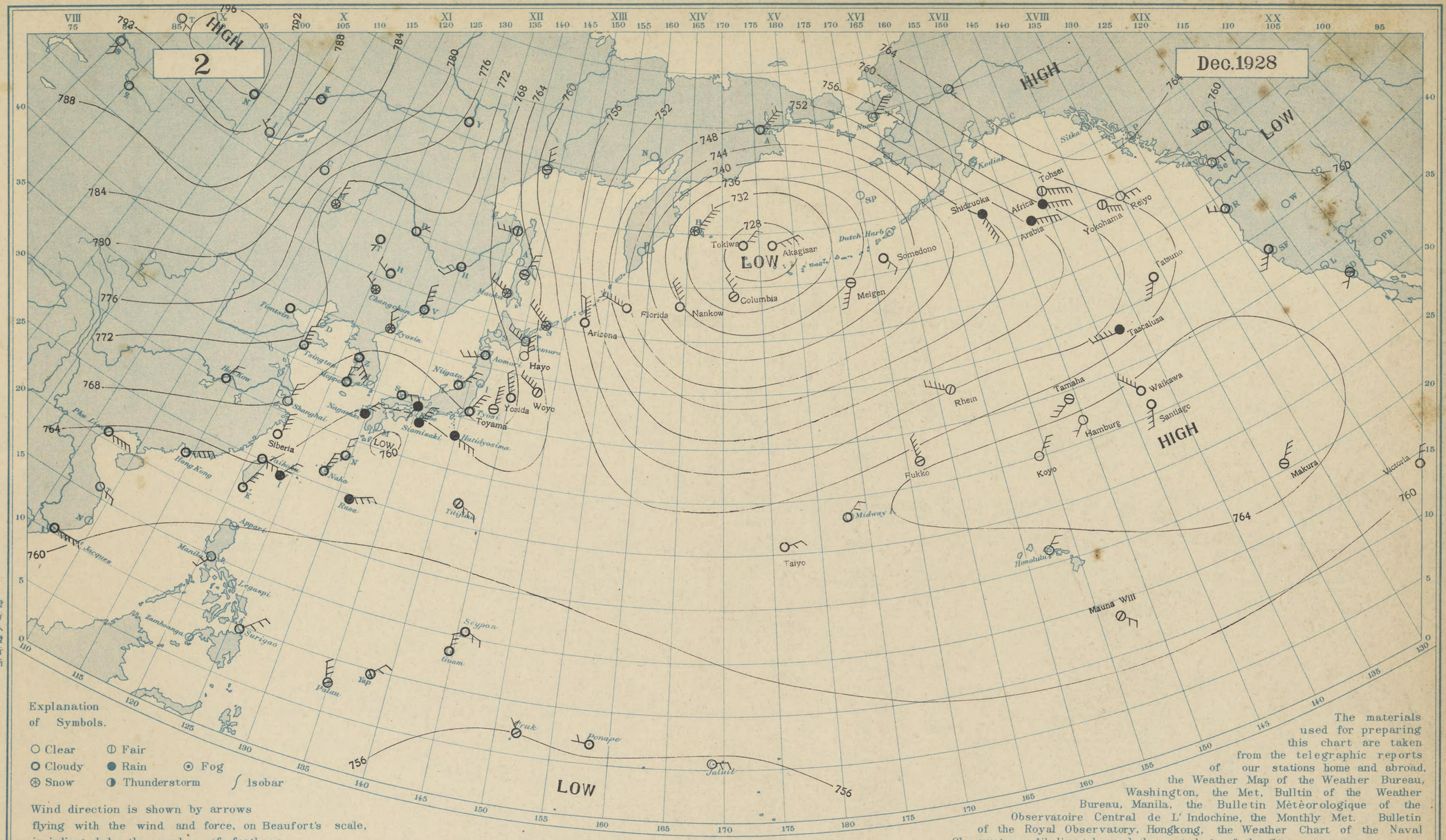
發行人發行所
印刷人販賣所
神戸市中山手通七丁目
海洋氣象臺

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

№2163



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.)	764.2	762.5	763.9	763.4	765.9	768.0	764.2	762.6	768.8	769.2	766.1	767.2	767.3	771.8	771.3	774.0	771.0
Air Temperature (in C)	21.3	21.7	11.1	13.5	11.4	9.6	15.9	24.9	7.1	3.8	2.1	-1.9	11.2	-1.0	-12.4	-0.4	2.4
Direction and Force of Winds (0-12)	E 3	NNE 4	NE 3	NE 5	SSW 1	NE 4	ESE 4	ESE 3	NE 3	WSW 3	WNW 4	WNW 4	N 2	NNW 2	NW 2	- 1	N 5
Weather	cloudy	cloudy	rain	rain	rain	cloudy	rain	fair	cloudy	cloudy	clear	snow	cloudy	snow	snow	cloudy	cloudy

Station / Hour of Observation	Shanghai 12h, 135E	Hankow 12h, 135E	Rasa 12h, 135E	Palau 12h, 135E	Hongkong 16h,	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.)	767.9	769.5	761.2	757.9	763.8	*758.7	* 759.2	*758.7	* 758.5	*763.7	756.3	756.8	763.0	763.5	753.9	738.6	760.5
Air Temperature (in C)	13.6	8.2	22.2	28.9	22.	31.	30.	-	-	24.	26.3	29.2	23.	19.	-6.	3.	3.
Direction and Force of Winds (0-12)	N 3	NNE 2	ENE 4	NNW 3	ENE 5	SW 2	NE 3	N 3	NE 2	E 5	NNW 1	E 2	NE 2	NE 2	NE 6	calm	SE 5
Weather	clear	cloudy	rain	fair	cloudy	clear	clear	cloudy	fair	cloudy	fair	clear	clear	cloudy	clear	fair	rain

發行人 印刷人 神戸市中山手通七丁目 海洋氣象臺

昭和三年一二月二日

北太平洋天氣圖

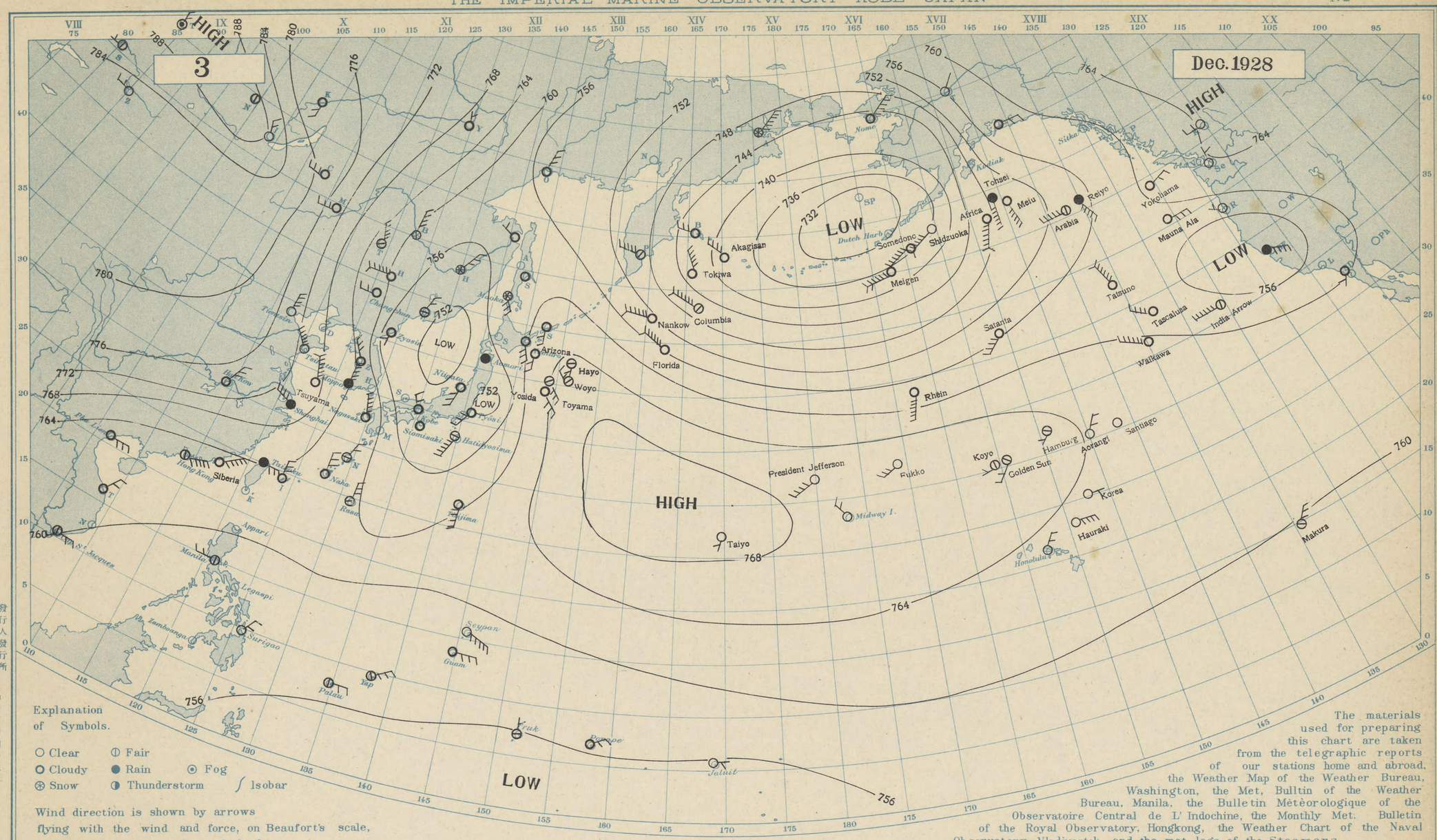
第一二六三號

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

№ 2164



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.)	764.3	761.9	761.0	754.3	755.9	752.4	754.8	759.7	754.1	754.6	759.9	756.8	764.0	754.5	762.9	773.7	771.0
Air Temperature (in C)	18.2	21.2	12.0	19.9	13.0	13.5	21.4	25.1	15.1	1.4	5.4	-0.5	5.3	0.9	-	-4.8	-2.8
Direction and Force of Winds (0-12)	E 3	N 3	NNW 5	- 1	NNW 2	SW 3	SW 5	S 4	SSW 3	calm	SSE 3	SE 3	N 5	S 1	W 2	N 4	NW 7
Weather	rain	cloudy	cloudy	cloudy	cloudy	cloudy	fair	cloudy	cloudy	rain	cloudy	snow	rain	cloudy	cloudy	clear	clear

Station / Hour of Observation	Shanghai 12h, 135E	Hankow 12h, 135E	Rasa 12h, 135E	Palau 12h, 135E	Hongkong 16h,	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.)	770.3	775.1	760.1	756.6	763.8	*758.9	*758.6	*758.8	*758.6	*763.7	756.1	757.8	763.0	767.1	743.2	736.1	752.3
Air Temperature (in C)	5.3	3.0	21.8	30.0	23.	29.	29.	-	-	22.	27.3	27.8	23.	16.	0.	0.	4.
Direction and Force of Winds (0-12)	WNW 4	NNE 3	N 3	E 2	ENE 5	W 2	NE 2	E 3	ENE 3	E 3	N 1	E 1	NE 2	NW 2	NE 5	calm	NE 6
Weather	rain	cloudy	fair	fair	fair	fair	clear	cloudy	fair	cloudy	fair	clear	clear	clear	cloudy	fair	rain

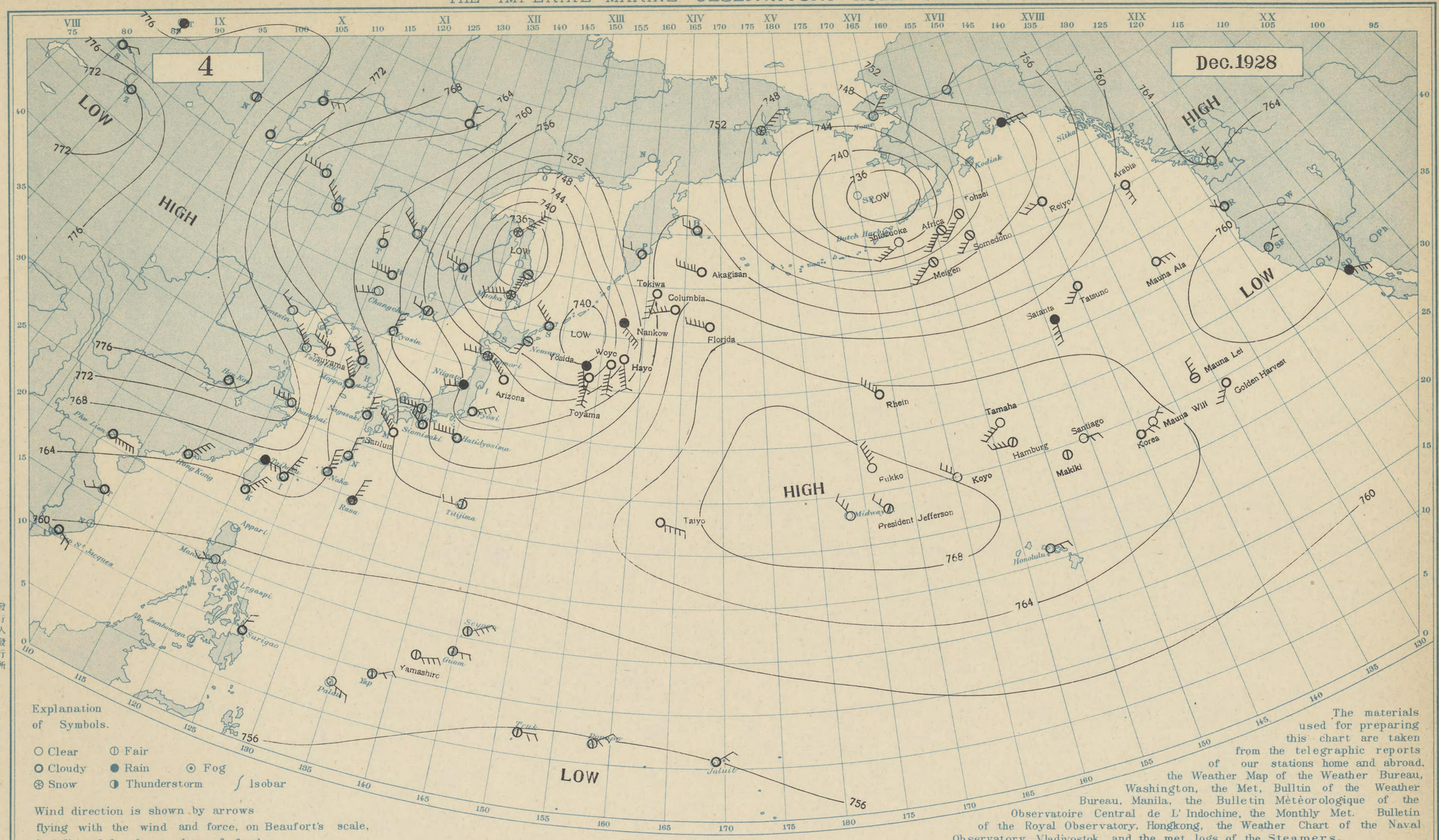
發行人發行所 印刷人販賣所 神戶市中山手通七丁目 海洋氣象臺

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

№ 2165



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.)	767.0	763.8	761.4	756.5	758.2	749.9	753.6	760.4	752.3	750.6	742.8	737.0	763.1	755.7	758.7	770.8	770.4
Air Temperature (in C)	15.3	17.5	5.4	10.3	8.1	12.0	16.0	23.7	5.2	-2.0	4.9	-6.7	4.8	-4.6	-10.9	-3.2	-3.4
Direction and Force of Winds (0-12)	E 3	N 5	N 3	WNW 4	W 5	ENE 4	W 7	W 2	WSW 3	W 4	SW 3	WSW 7	NW 6	N 3	WSW 3	NW 2	NW 6
Weather	rain	cloudy	cloudy	cloudy	fair	cloudy	cloudy	fair	rain	snow	fair	snow	cloudy	cloudy	clear	clear	clear

Station / Hour of Observation	Shanghai 12h, 135E	Hankow 12h, 135E	Rasa 12h, 135E	Palau 12h, 135E	Hongkong 16h,	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.)	772.6	777.2	761.5	757.4	765.8	*759.6	* 758.7	*758.5	* 758.9	*764.8	755.9	758.3	767.1	769.6	744.7	729.0	743.7
Air Temperature (in C)	0.8	1.8	21.1	30.0	21.	30.	27.	-	-	23.	27.1	26.3	23.	19.	-2.	3.	6.
Direction and Force of Winds (0-12)	W 4	- 1	NNE 4	ESE 3	NE 5	WSW 2	NNE 2	E 2	ENE 2	E 6	E 2	ENE 2	E 2	NW 3	NE 5	NW -	calm
Weather	cloudy	cloudy	rain	clear	clear	clear	cloudy	fair	fair	cloudy	fair	cloudy	clear	clear	clear	rain	cloudy

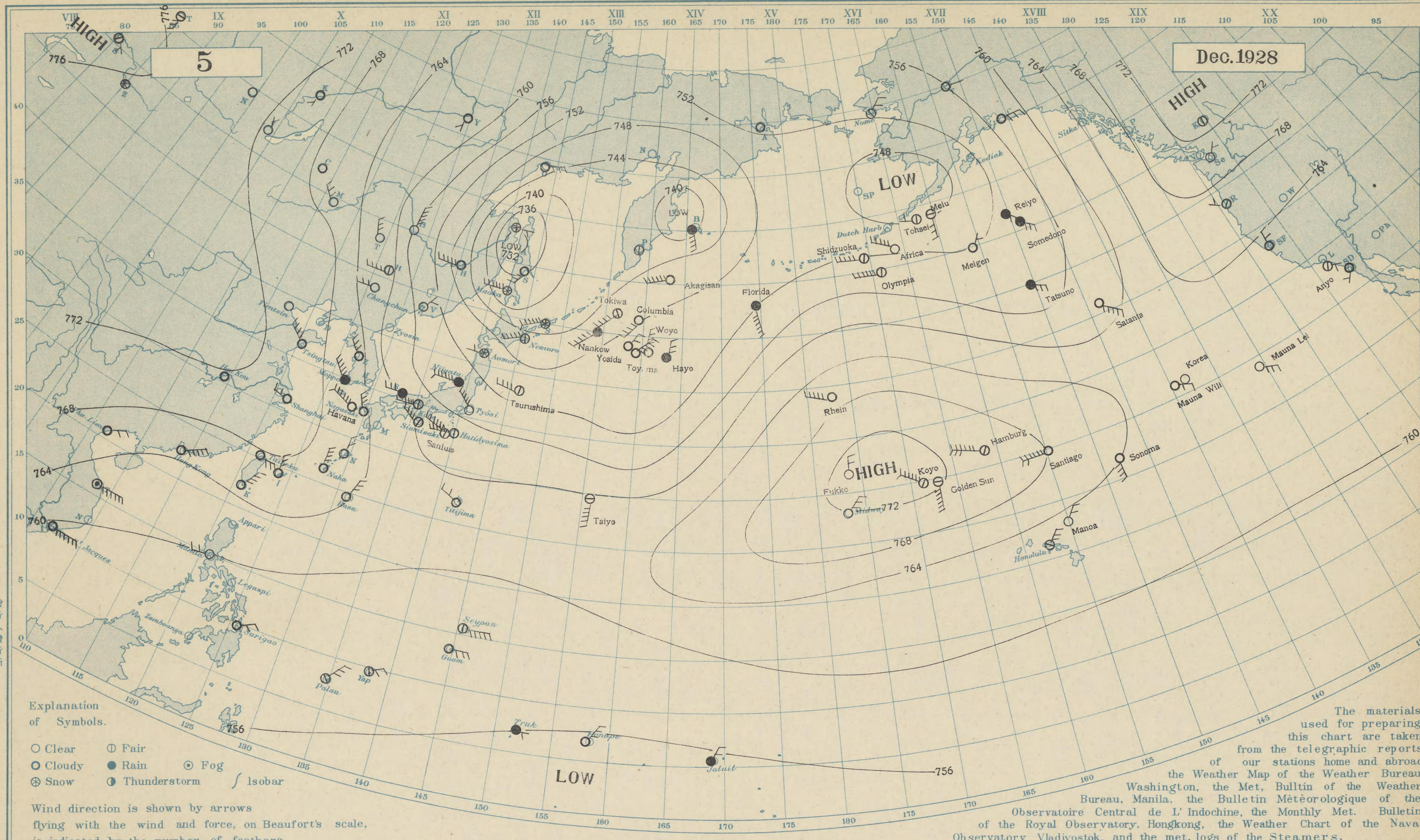
發行人發行所 印刷人販賣所 神戸市中山手通七丁目 海洋氣象臺

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

№2166



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
Atm. Pressure (Red. to m.s.l. and Strd. Gr. * not reduced to Strd. Gr.)	767.5	765.6	764.2	759.4	760.1	753.5	757.8	761.5	753.3
Air Temperature (in C)	15.8	17.4	7.7	11.0	8.6	11.3	13.3	21.7	4.8
Direction and Force of Winds (0-12)	E 3	N 4	NNW 3	WNW 4	W 6	NW 5	W 5	WNW 2	W 7
Weather	cloudy	cloudy	cloudy	fair	fair	clear	fair	cloudy	rain

Station / Hour of Observation	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.)	750.8	744.3	738.8	764.9	757.9	761.9	770.1	769.5
Air Temperature (in C)	-1.1	2.0	-6.7	5.4	-1.5	-8.8	1.4	1.6
Direction and Force of Winds (0-12)	W 1	WSW 5	W 6	NW 5	- 1	W 3	- 1	NW 4
Weather	snow	fair	snow	rain	clear	clear	clear	cloudy

Station / Hour of Observation	Shanghai 12^{h}, 135E	Hankow 12^{h}, 135E	Rasa 12^{h}, 135E	Palau 12^{h}, 135E	Hongkong 16^{h},	Manila 14^{h},	Surigao 14^{h},	Guam 14^{h},	Yap 14^{h},
Atm. Pressure (Red. to m.s.l. and Strd. Gr. * not reduced to Strd. Gr.)	770.6	771.8	764.0	757.1	766.6	*759.6	*758.5	*758.7	*758.4
Air Temperature (in C)	2.9	4.3	18.9	29.1	18.	30.	29.	-	-
Direction and Force of Winds (0-12)	WNW 2	- 1	NNE 3	NE 3	ENE 5	WSW 2	ENE 2	E 3	ENE 2
Weather	cloudy	cloudy	cloudy	fair	cloudy	clear	cloudy	cloudy	fair

Station / Hour of Observation	Phu-Lien 10^{h},	Truk 6^{h}	Jaluit 8^{h}	Honolulu 20^{h},	Midway I. 18:30^{h}	Nome 20^{h}, 135W	Dutch Harbor 16^{h}, 135W	Kodiak 16^{h}, 135W
Atm. Pressure (Red. to m.s.l. and Strd. Gr. * not reduced to Strd. Gr.)	*766.1	755.8	757.6	762.0	771.6	752.3	742.7	751.8
Air Temperature (in C)	17.	26.4	26.0	23.	18.	-4.	1.	2.
Direction and Force of Winds (0-12)	ENE 2	E 1	NNE 2	NE 3	NE 3	NE 2	calm	SE 3
Weather	cloudy	rain	rain	fair	clear	fair	clear	clear

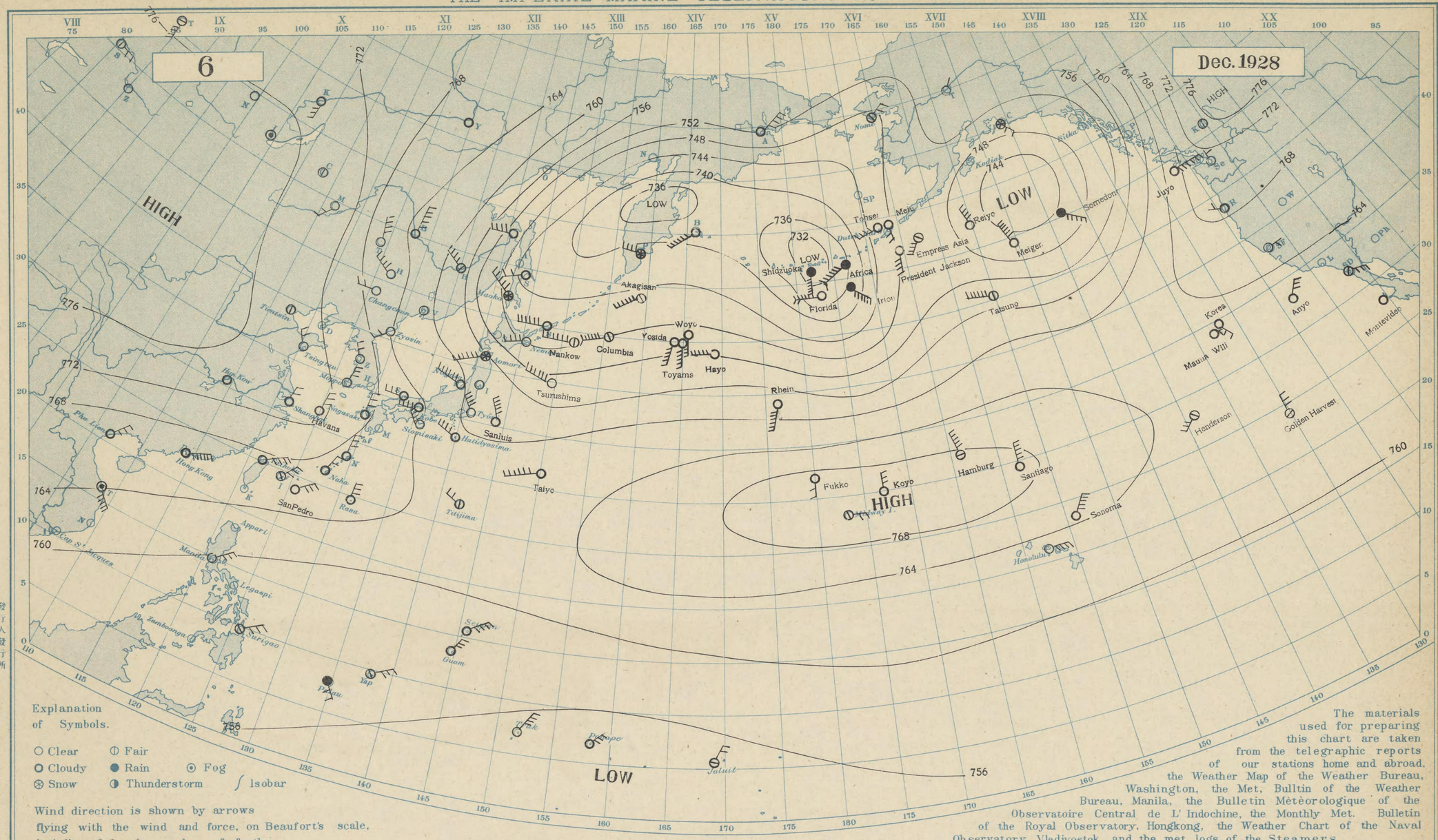
發行人 發行所 印刷人 販賣所 神戸市中山手通七丁目 海洋氣象臺

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

№ 2167



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.)	767.7	767.6	768.8	763.4	764.9	758.4	760.8	763.0	760.7	756.6	747.9	747.3	770.7	763.9	767.6	773.0	773.5
* not reduced to Strd. Gr.	19.6	18.4	9.0	10.8	8.3	11.3	12.6	22.2	6.2	-1.4	1.3	-5.7	6.5	2.0	-6.3	2.0	0.8
Air Temperature (in C)	ENE 4	NNE 2	N 3	NW 4	W 4	NW 4	WNW 4	WNW 2	WNW 3	WSW 6	WSW 4	NW 5	N 3	SW 2	W 2	- 1	NNW 2
Direction and Force of Winds (0-12)	cloudy	cloudy	cloudy	clear	cloudy	clear	cloudy	fair	cloudy	snow	clear	snow	clear	clear	clear	fair	clear
Weather																	

Station / Hour of Observation	Shanghai 12h, 135E	Hankow 12h, 135E	Rasa 12h, 135E	Palau 12h, 135E	Hongkong 16h,	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.)	772.2	774.0	766.2	757.4	767.1	*759.6	* 758.4	*758.7	* 757.9	*765.8	754.9	757.1	763.0	770.1	747.8	749.8	753.4
* not reduced to Strd Gr.	8.3	6.3	20.1	25.3	19.	32.	28.	-	-	20.	28.0	28.9	21.	17.	-7.	2.	1.
Air Temperature (in C)	N 2	- 1	N 3	SSE 2	ENE 3	ENE 3	ENE 3	NE 3	ENE 3	NE 3	NE 4	NNE 2	E 4	E 2	NE 2	calm	calm
Direction and Force of Winds (0-12)	cloudy	cloudy	cloudy	rain	cloudy	clear	fair	cloudy	fair	cloudy	clear	fair	clear	fair	fair	clear	cloudy
Weather																	

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

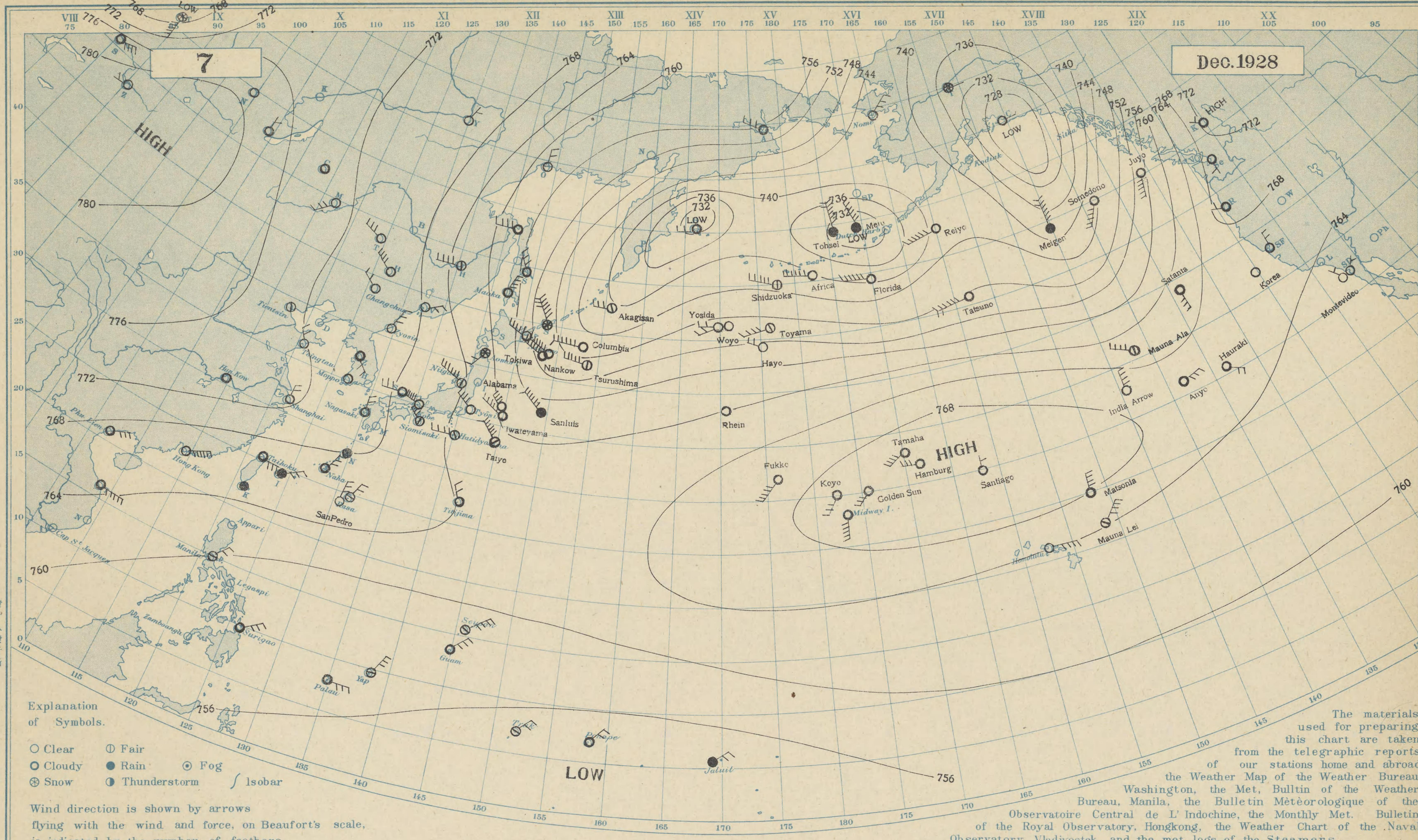
昭和三年一二月六日 北太平洋天氣圖 第二一六七號

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 2168



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Atm. Pressure (Red. to m.s.l. and Strd. Gr.) (* not reduced to Strd. Gr.)	767.7	766.9	770.0	765.4	766.4	761.9	763.6	764.0	764.7	762.2	754.5	757.3	771.4	767.6	771.2	772.2	772.4
Air Temperature (in C)	20.5	19.9	9.5	13.1	10.6	11.4	14.2	21.7	6.0	-2.2	1.5	-4.3	7.6	2.5	-8.1	1.2	3.5
Direction and Force of Winds (0-12)	E 3	NNE 3	N 2	NW 3	WNW 5	NW 4	W 4	NNW 2	WNW 6	SW 2	WNW 5	NNE 4	- 1	NNE 3	NW 2	- 1	NNW 2
Weather	cloudy	cloudy	cloudy	fair	clear	clear	fair	cloudy	fair	snow	clear	cloudy	clear	clear	clear	fair	clear

Station / Hour of Observation	Shanghai 12h, 135E	Hankow 12h, 135E	Rasa 12h, 135E	Palau 12h, 135E	Hongkong 16h,	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.)	772.2	773.9	766.1	756.9	767.4	*759.7	*758.6	*757.8	*757.7	*767.2	754.8	756.3	764.0	769.1	741.2	745.2	738.6
Air Temperature (in C)	2.9	8.3	21.9	29.7	21.	29.	28.	-	-	20.	27.8	27.8	22.	19.	-9.	0.	2.
Direction and Force of Winds (0-12)	N 2	- 1	NE 2	E 3	ENE 6	NE 2	ENE 3	NE 3	NE 3	ENE 3	NE 2	ENE 2	E 4	S 5	NE 3	SE -	N 6
Weather	cloudy	cloudy	fair	cloudy	clear	fair	cloudy	cloudy	fair	cloudy	fair	rain	clear	cloudy	clear	rain	fair

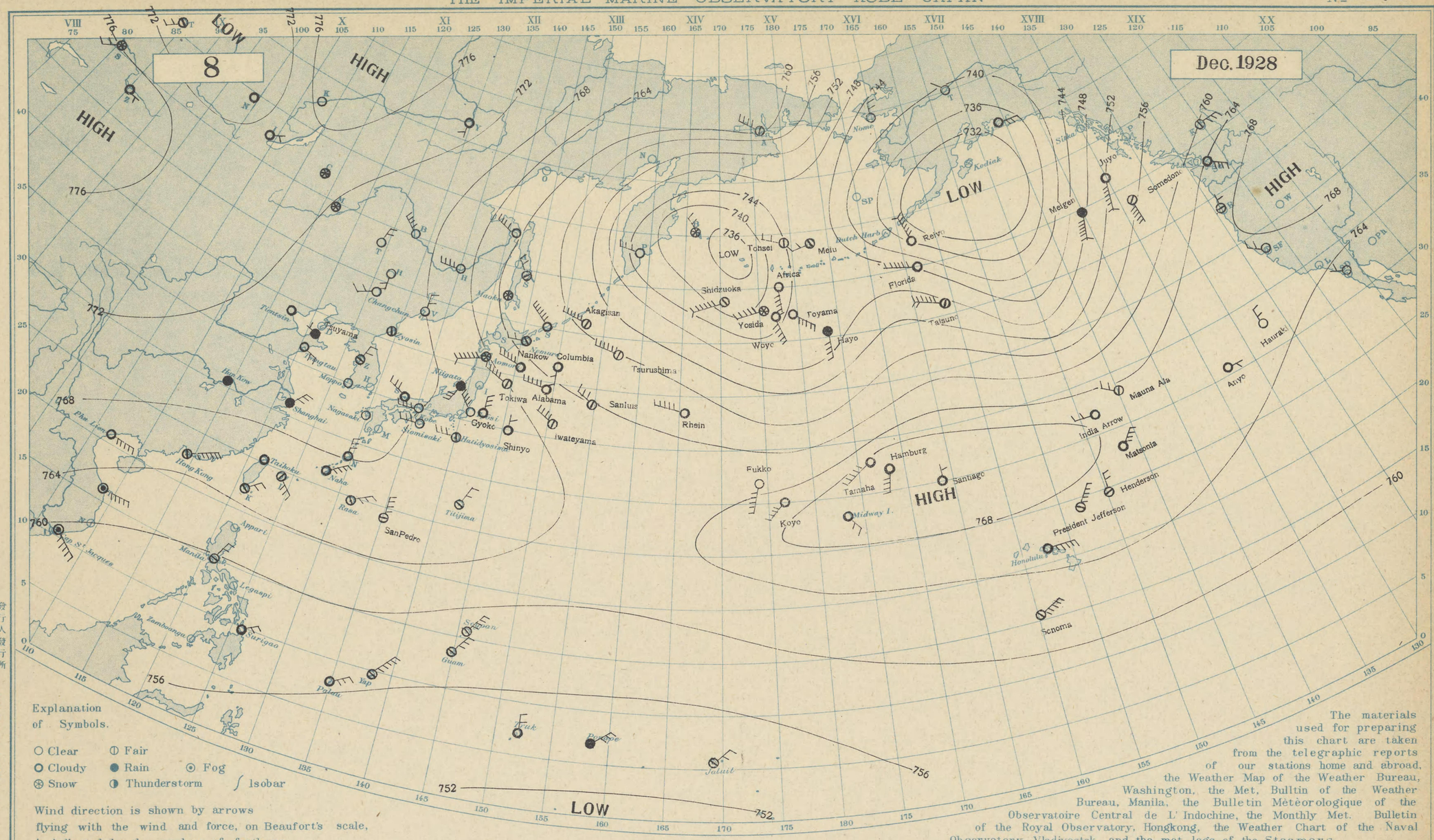
發行人發行所
印刷人販賣所
神戸市中山手通七丁目
海洋氣象臺

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

№2169



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.)	766.1	766.6	770.0	767.2	768.5	764.8	766.2	766.1	767.6	764.6	758.7	759.6	770.8	770.4	770.0	770.7	770.5
Air Temperature (in C)	20.2	21.6	12.3	14.0	11.2	9.6	13.9	21.1	3.1	-0.8	1.2	-3.9	9.8	4.0	-3.4	0.4	8.2
Direction and Force of Winds (0-12)	calm	ENE 4	- 1	W 3	W 4	NW 4	W 3	NNE 2	SSW 3	WSW 7	W 2	- 1	- 1	- 1	WSW 2	- 1	ESE 2
Weather	cloudy	cloudy	clear	clear	clear	clear	fair	fair	rain	snow	fair	snow	clear	fair	clear	cloudy	cloudy

Station / Hour of Observation	Shanghai 12h, 135E	Hankow 12h, 135E	Rasa 12h, 135E	Palau 12h, 135E	Hongkong 16h	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.)	769.1	770.3	766.6	756.1	765.3	*759.3	* 758.1	*758.2	* 757.0	*765.0	755.0	755.1	764.5	769.1	743.2	727.4	728.5
Air Temperature (in C)	11.6	6.5	21.2	29.2	21.	28.	27.	-	-	20.	26.4	28.9	21.	20.	-19.	3.	0.
Direction and Force of Winds (0-12)	NE 3	calm	ENE 3	ENE 3	ENE 6	NNE 2	ENE 2	NE 3	NE 5	E 5	N 2	ENE 2	E 5	SE 2	N 2	calm	calm
Weather	rain	rain	fair	cloudy	fair	fair	cloudy	fair	fair	cloudy	cloudy	fair	cloudy	cloudy	clear	cloudy	cloudy

印刷人 販賣所 神戸市中山手通七丁目 海洋氣象臺

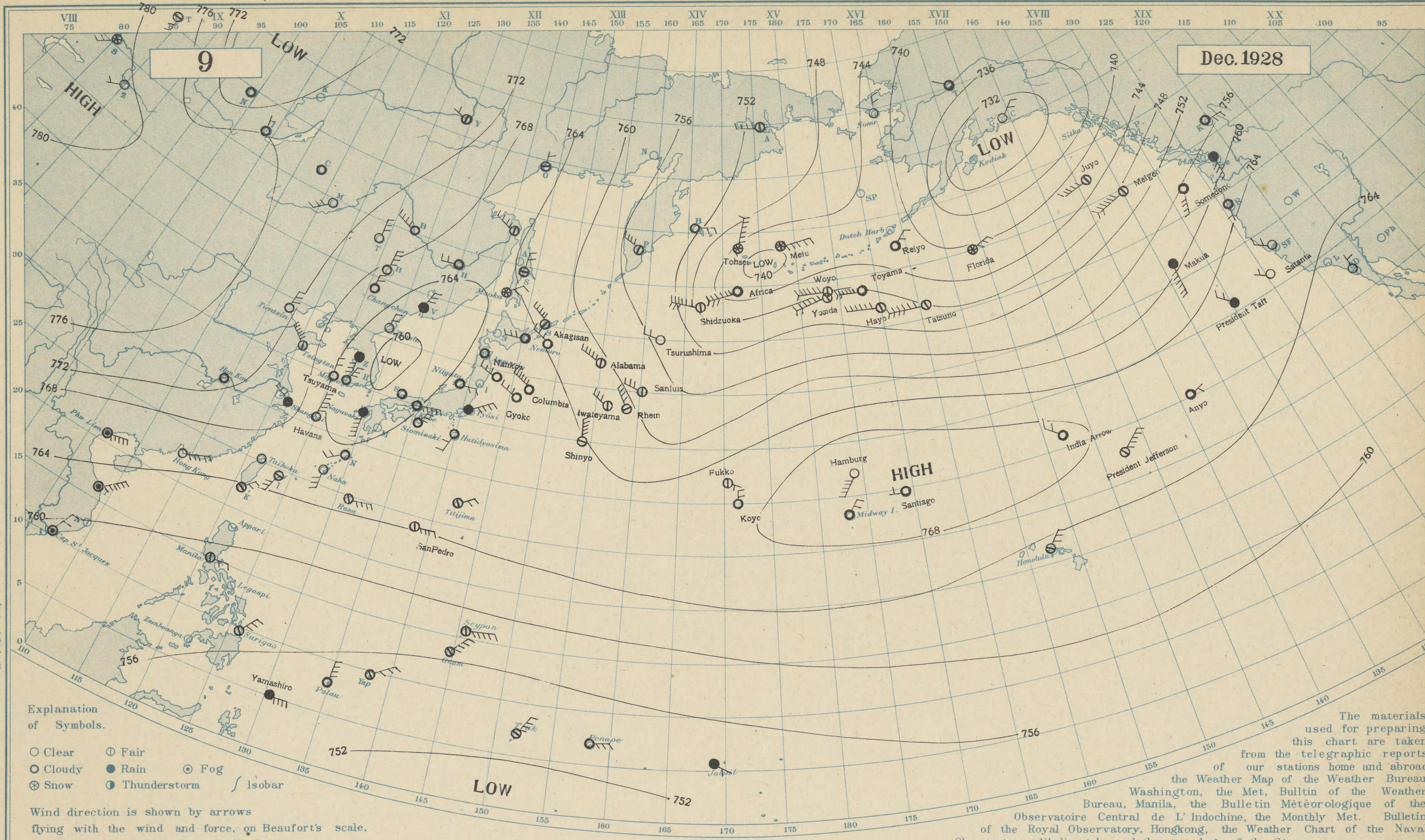
發行人 發行所

昭和三年一二月八日 北太平洋天氣圖 第二一六九號

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN



Explanation of Symbols.

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

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

The materials used for preparing this chart are taken from the telegraphic reports of 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.)	765.1	764.2	762.0	765.0	763.7	765.5	766.6	766.1	765.3	766.4	764.8	764.3	762.9	761.3	765.5	773.1	770.1
Air Temperature (in C)	24.0	23.2	16.2	15.2	16.0	11.6	16.0	23.7	5.8	2.7	1.3	-7.9	7.5	1.4	-7.6	-0.3	3.0
Direction and Force of Winds (0-12)	calm	S 3	S 5	NE 3	E 5	ENE 4	SSW 2	ENE 2	E 2	- 1	W 3	ENE 2	N 3	N 2	N 2	N 3	NW 6
Weather	clear	clear	rain	cloudy	cloudy	rain	cloudy	fair	cloudy	cloudy	cloudy	snow	cloudy	clear	cloudy	clear	fair

Station / Hour of Observation	Shanghai 12h, 135E	Hankow 12h, 135E	Rasa 12h, 135E	Palau 12h, 135E	Hongkong 16h,	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.)	769.5	773.7	765.2	755.4	764.8	*758.9	*757.5	*757.3	*756.6	*765.1	753.2	755.6	763.5	768.6	740.7	740.7	725.9
Air Temperature (in C)	8.0	5.8	24.0	28.9	24.	26.	28.	-	-	22.	27.0	24.6	21.	21.	-22.	0.	3.
Direction and Force of Winds (0-12)	WNW 3	- 1	E 4	N 4	ENE 5	E 2	NE 3	NE 4	ENE 3	ENE 5	NE 4	ESE 1	NE 3	NE 2	N 2	NE -	NW 4
Weather	rain	cloudy	fair	cloudy	clear	fair	fair	fair	fair	fog	fair	rain	fair	cloudy	clear	cloudy	cloudy

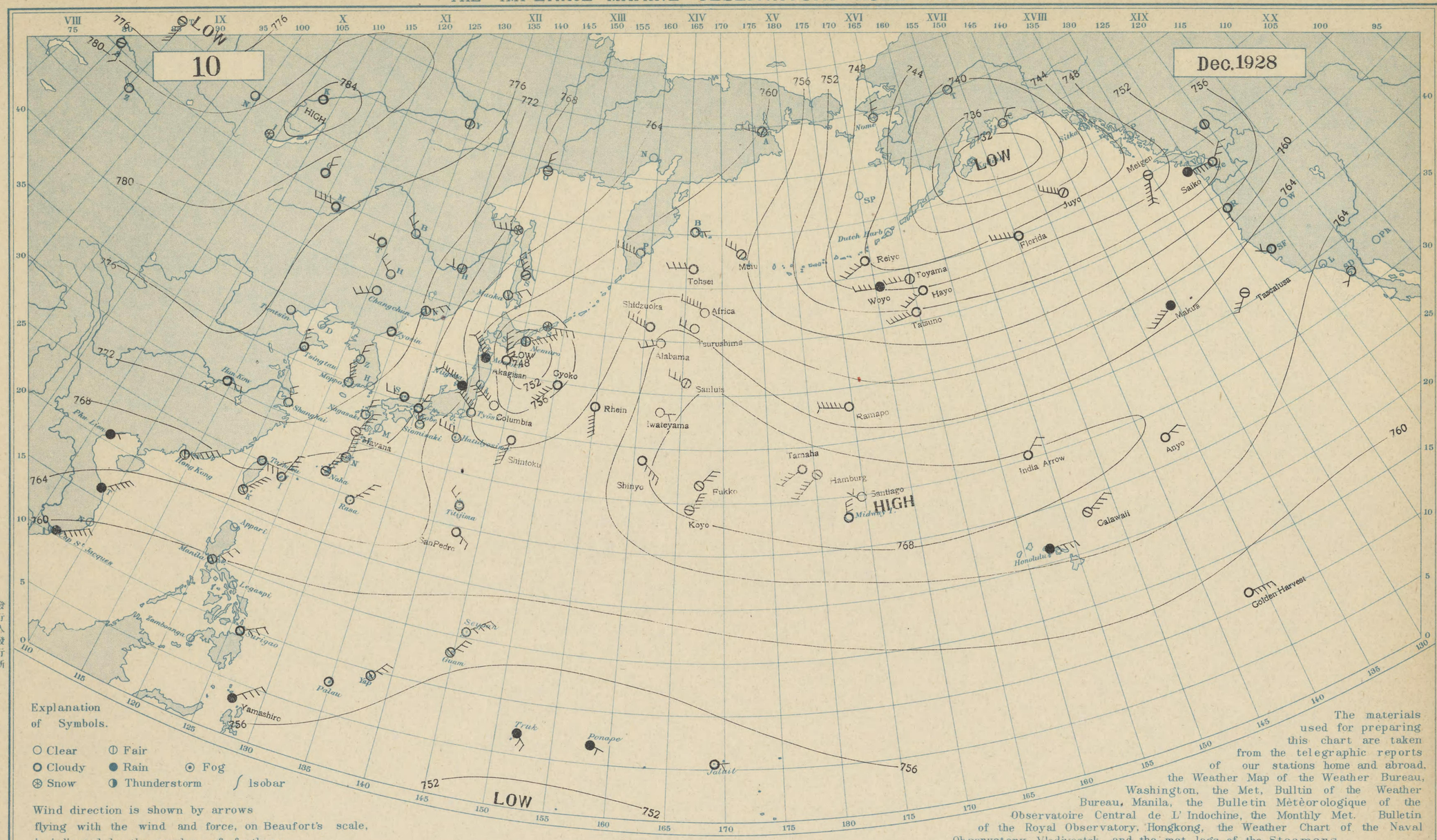
發行人發行所
印刷人販賣所
神戸市中山手通七丁目
海洋氣象臺

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

№ 2171



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, 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.)	768.6	766.8	769.5	764.6	767.9	759.7	761.9	762.8	766.2	759.0	745.0	761.5	772.6	770.8	773.1	774.6	775.2
* not reduced to Strd. Gr.	20.4	20.1	10.9	14.7	9.5	13.1	15.4	21.4	5.0	3.1	0.7	-6.7	6.5	2.1	-8.8	-1.2	-0.3
Air Temperature (in C)	E 3	NNE 5	N 2	NNW 3	NNE 2	NW 7	WNW 4	NW 2	WNW 7	NW 7	ENE 6	ENE 2	NNW 5	- 1	WSW 3	- 1	NNW 2
Direction and Force of Winds (0-12)	cloudy	fair	clear	clear	cloudy	clear	clear	cloudy	rain	rain	snow	fair	clear	cloudy	clear	clear	cloudy
Weather																	

Station / Hour of Observation	Shanghai 12h, 135E	Hankow 12h, 135E	Rasa 12h, 135E	Palau 12h, 135E	Hongkong 16h,	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.)	773.4	772.6	765.4	756.7	766.6	*759.7	* 758.1	*757.3	* 757.6	*765.9	754.3	755.0	764.5	769.1	746.2	740.7	723.9
* not reduced to Strd Gr.	9.8	8.4	23.0	25.8	21.	29.	28.	-	-	21.	25.0	27.7	22.	20.	-23.	-2.	1.
Air Temperature (in C)	NNW 2	E 2	NE 4	calm	ENE 6	NE 3	ENE 3	NE 3	NE 3	ENE 1	SE 2	E 1	E 4	N 3	N 2	NW -	NW 2
Direction and Force of Winds (0-12)	clear	cloudy	cloudy	cloudy	fair	fair	cloudy	fair	fair	rain	rain	cloudy	rain	cloudy	clear	snow	fair
Weather																	

發行人 印刷人 神戸市中山手通七丁目 海洋氣象臺

昭和三年一二月一〇日

北太平洋天氣圖

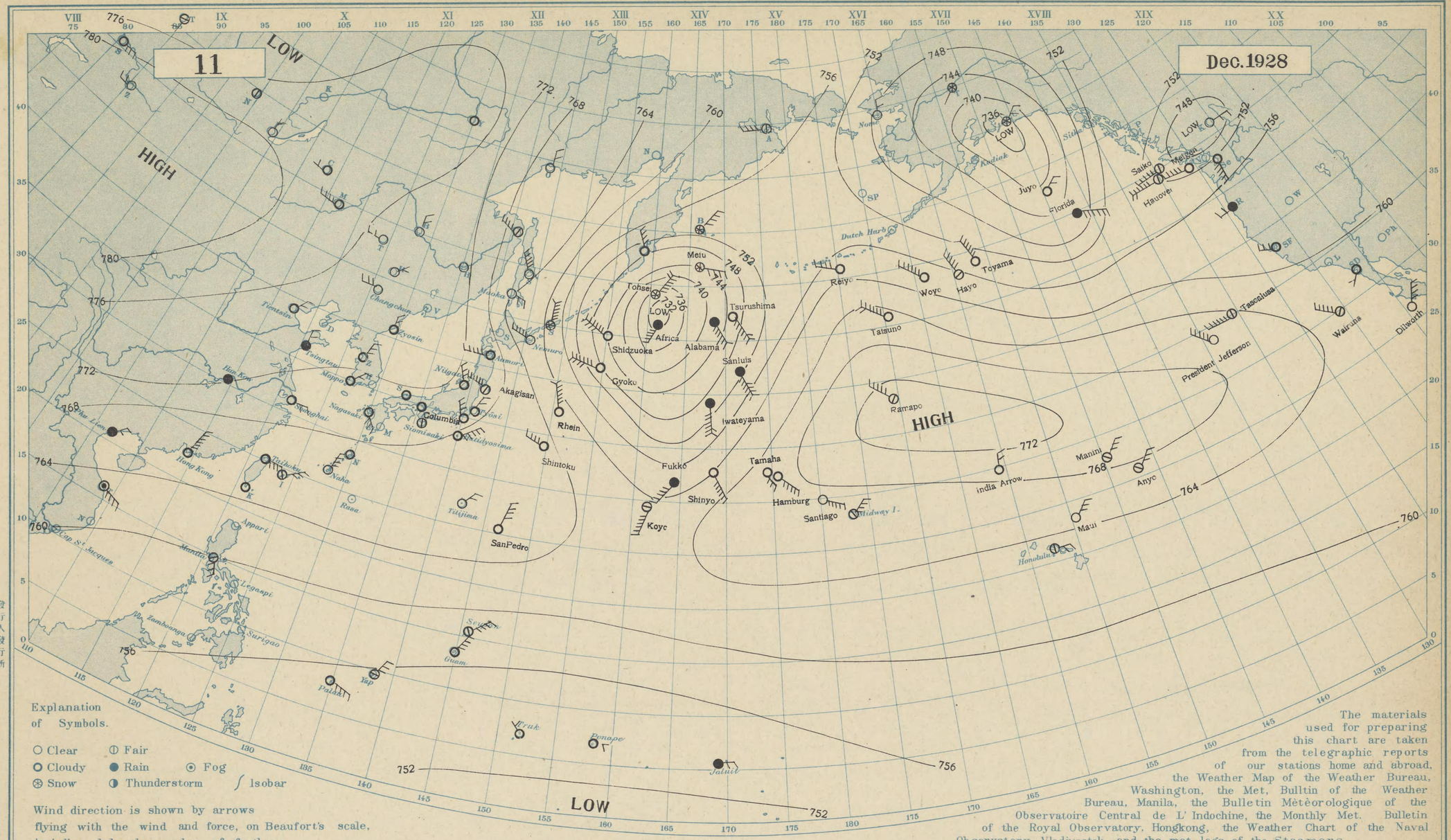
第二一七一號

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

№ 2172



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.)	766.6	766.3	769.2	769.2	771.1	769.4	767.4	765.1	771.6	769.8	763.7	764.0	770.6	771.9	774.2	775.2	772.5
* not reduced to Strd. Gr.	22.7	21.1	13.0	13.4	8.1	9.2	16.9	24.1	6.4	0.1	-1.4	-3.4	5.6	-0.1	-11.7	0.2	3.1
Air Temperature (in C)	E 4	NNE 4	SE 3	- 1	- 1	NNE 2	ENE 5	NE 2	NNW 3	W 5	WNW 5	ESE 2	NE 2	N 2	W 3	NE 2	N 2
Direction and Force of Winds (0-12)	cloudy	clear	cloudy	fair	cloudy	cloudy	cloudy	clear	cloudy	cloudy	clear	clear	cloudy	cloudy	clear	cloudy	rain
Weather																	

Station / Hour of Observation	Shanghai 12h, 135E	Hankow 12h, 135E	Rasa 12h, 135E	Palau 12h, 135E	Hongkong 16h,	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.)	769.0	772.1	-	755.6	766.1	* 759.7	* -	* 757.4	* 756.9	* 765.7	754.3	755.6	763.5	765.0	747.3	747.3	736.6
* not reduced to Strd Gr.	13.1	5.8	-	28.8	20.	29.	-	-	-	21.	26.0	26.3	23.	20.	-22.	-3.	-6.
Air Temperature (in C)	E 2	- 1	-	ESE 4	NNE 6	SSE 3	-	NE 4	NE 3	NE 2	NW 1	E 2	E 2	NE 4	N 2	NW -	W 6
Direction and Force of Winds (0-12)	cloudy	rain	-	cloudy	cloudy	fair	-	cloudy	fair	rain	cloudy	rain	fair	fair	clear	snow	clear
Weather																	

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

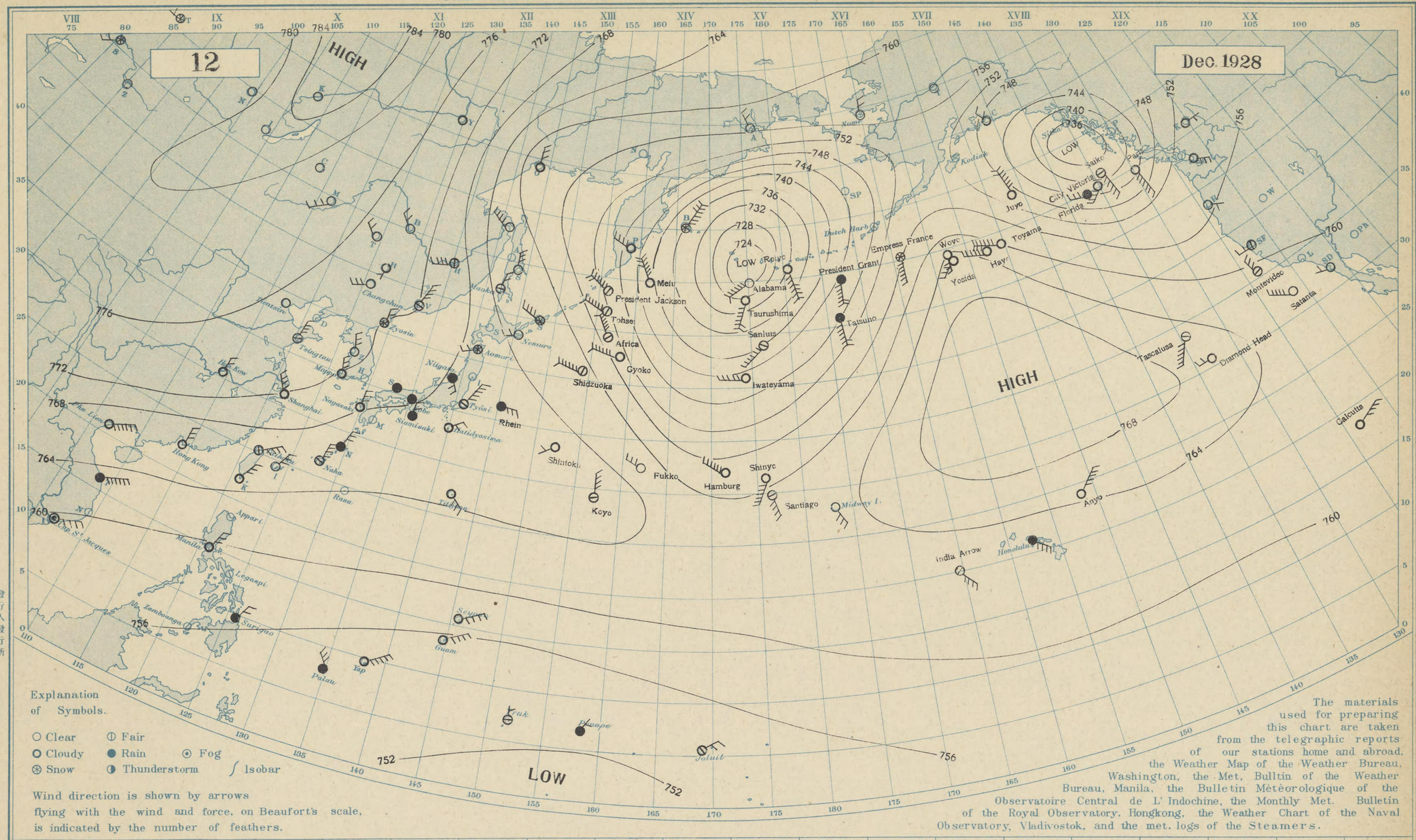
昭和三年一二月一一日 北太平洋天氣圖 第二一七二號

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

№ 2173



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, 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.)	766.2	764.7	767.9	765.7	768.3	765.0	764.3	764.4	765.9	767.5	763.4	762.3	771.2	770.5	773.4	775.8	774.3
Air Temperature (in C)	23.6	22.1	12.0	13.8	6.9	9.0	17.4	23.6	5.3	1.0	-0.9	-6.0	6.5	-1.6	-11.4	-3.2	2.2
Direction and Force of Winds (0-12)	ENE 4	NNE 4	N 3	N 2	- 1	NE 5	ENE 2	SSE 3	SSE 2	WSW 2	WSW 2	NNE 2	NNW 3	N 2	WSW 3	- 1	N 4
Weather	fair	fair	cloudy	rain	rain	fair	cloudy	cloudy	rain	snow	clear	fair	cloudy	snow	clear	clear	fair

Station / Hour of Observation	Shanghai 12h, 135E	Hankow 12h, 135E	Rasa 12h, 135E	Palau 12h, 135E	Hongkong 16h,	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.)	772.0	775.3	-	754.5	765.5	*759.5	* 757.2	*756.6	* 756.3	* 765.6	754.2	756.3	763.0	763.5	757.9	759.5	743.7
Air Temperature (in C)	8.6	4.7	-	23.6	22.	27.	26.	-	-	22.	25.6	28.8	23.	22.	-24.	-3.	-12.
Direction and Force of Winds (0-12)	NW 4	N 2	-	NNW 3	N 3	NNE 3	NE 2	ENE 4	ENE 5	ENE 6	N 1	ENE 2	E 4	SE 3	N 2	NW -	NW 5
Weather	cloudy	cloudy	-	rain	cloudy	cloudy	rain	cloudy	cloudy	cloudy	fair	fair	rain	clear	clear	cloudy	clear

發行人 印刷人 神戸市中山手通七丁目 海洋氣象臺

昭和三年一月二十一日

北太平洋天氣圖

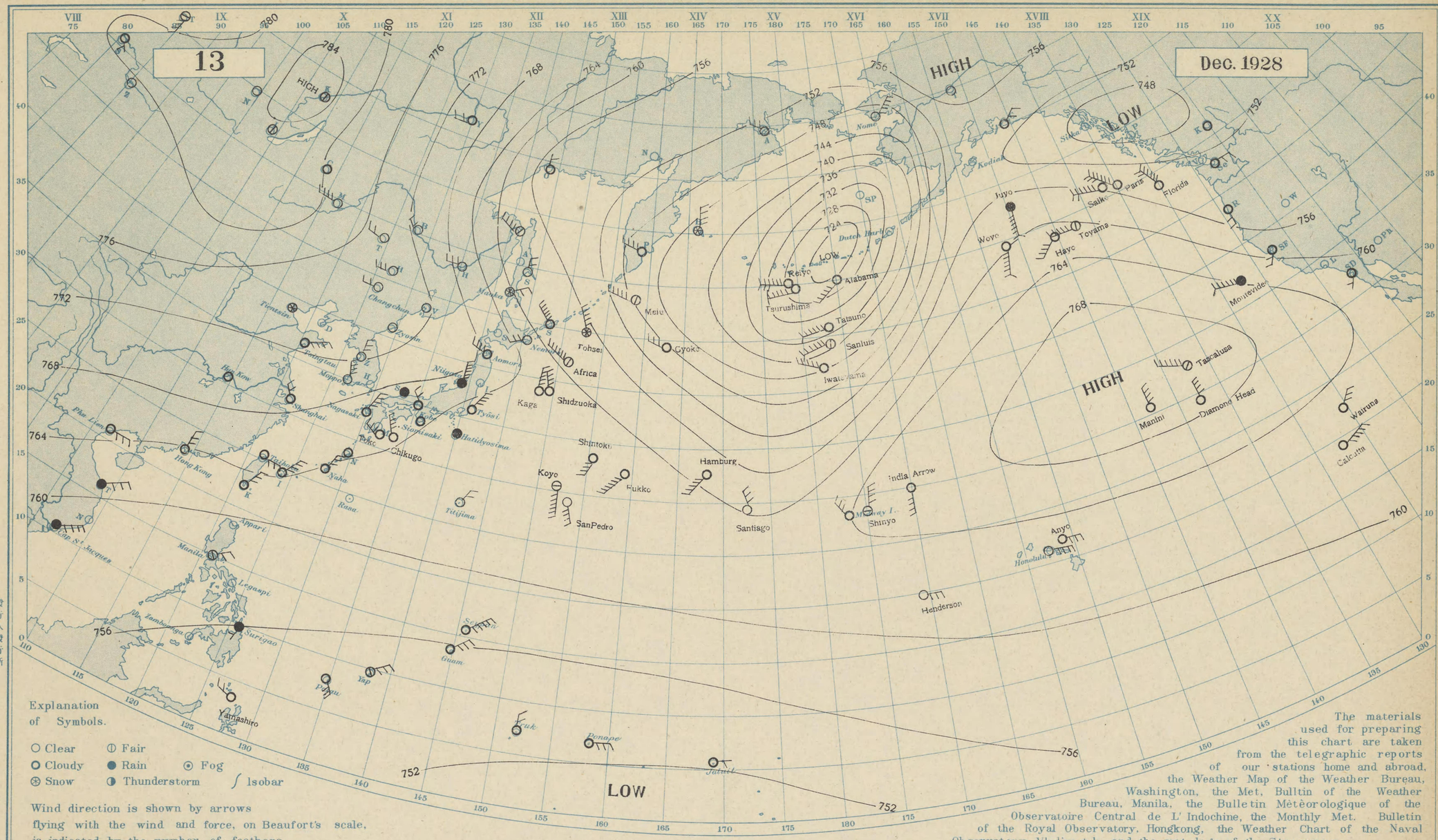
第三七一二號

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

№ 2174



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.)	765.5	763.9	767.9	764.4	766.4	763.6	763.0	762.8	766.9	767.8	761.4	760.3	761.3	772.4	775.9	772.6	772.5
Air Temperature (in C)	21.7	23.5	9.9	11.3	11.0	10.7	14.7	25.8	4.9	-1.0	-2.1	-9.7	6.1	-3.0	-15.3	-0.6	4.6
Direction and Force of Winds (0-12)	E 3	NE 3	NNE 4	calm	NW 2	NE 4	- 1	NE 2	N 6	WNW 4	WSW 3	ENE 2	NNW 4	- 1	W 2	- 1	ENE 4
Weather	cloudy	cloudy	cloudy	cloudy	cloudy	cloudy	rain	clear	rain	cloudy	clear	snow	clear	fair	clear	snow	cloudy

Station / Hour of Observation	Shanghai 12h, 135E	Hankow 12h, 135E	Rasa 12h, 135E	Palau 12h, 135E	Hongkong 16h,	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.)	770.7	771.2	-	754.0	764.3	*757.6	* 756.7	*756.6	* 755.8	* 764.5	753.4	756.2	762.5	764.5	746.2	734.6	753.4
Air Temperature (in C)	9.3	4.4	-	28.0	22.	29.	24.	-	-	21.	25.8	26.9	23.	20.	-19.	3.	-8.
Direction and Force of Winds (0-12)	NW 2	- 1	-	SSE 3	N 3	ENE 2	SSW 1	ENE 3	ENE 3	E 3	N 2	E 1	E 4	NW 3	NE 5	SE -	W 3
Weather	cloudy	cloudy	-	cloudy	cloudy	fair	rain	cloudy	fair	cloudy	cloudy	cloudy	clear	cloudy	clear	clear	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

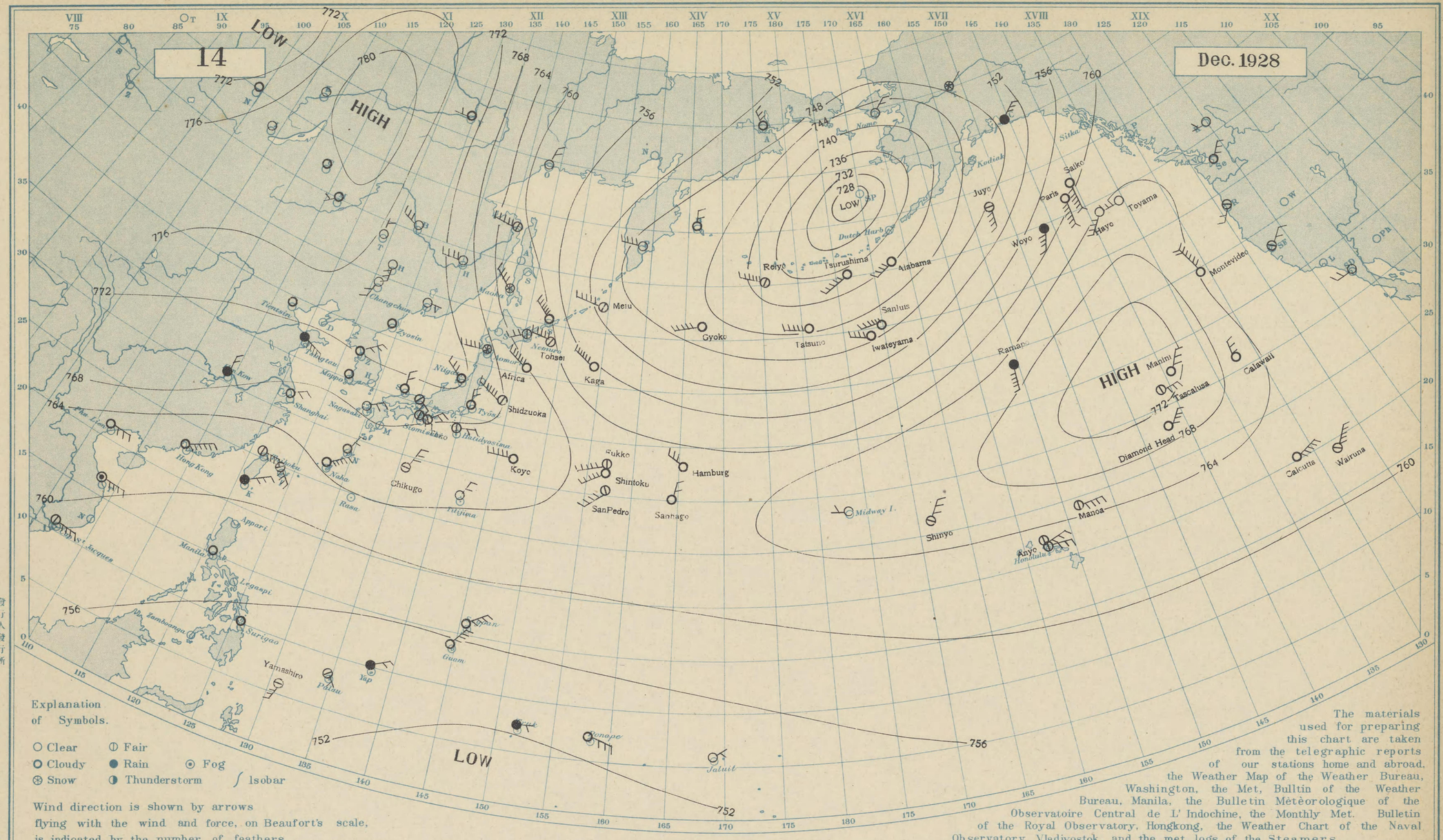
(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

№ 2175

14

Dec. 1928



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, 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.)	762.7	764.3	769.1	768.1	769.5	769.1	767.1	764.2	772.2	768.7	763.3	762.5	770.1	773.5	774.7	772.9	770.3
Air Temperature (in C) (* not reduced to Strd. Gr.)	24.7	22.0	11.5	14.1	10.3	9.7	17.4	25.1	4.8	-1.8	-2.8	-3.4	6.0	0.0	-11.4	-2.4	5.9
Direction and Force of Winds (0-12)	E 4	ENE 5	ENE 2	ESE 2	SE 2	N 2	E 2	NE 2	NW 3	W 5	WSW 3	NW 4	- 1	calm	SSW 2	- 1	ESE 5
Weather	fair	cloudy	clear	fair	fair	cloudy	fair	clear	cloudy	snow	fair	snow	cloudy	cloudy	clear	cloudy	rain

Station / Hour of Observation	Shanghai 12h, 135E	Hankow 12h, 135E	Rasa 12h, 135E	Palau 12h, 135E	Hongkong 16h,	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.)	766.C	770.1	-	755.1	763.0	*758.0	* 756.2	*756.5	* 756.2	*762.4	752.5	756.1	762.5	765.5	741.7	731.5	737.6
Air Temperature (in C)	12.9	4.9	-	30.1	21.	28.	25.	-	-	22.	25.6	29.4	23.	16.	-16.	1.	3.
Direction and Force of Winds (0-12)	ENE 2	N 2	-	SE 1	ENE 6	calm	calm	NE 4	ENE 2	E 3	E 1	ENE 1	E 3	W 1	NE 2	SE -	S 2
Weather	cloudy	rain	-	fair	cloudy	cloudy	cloudy	cloudy	rain	cloudy	rain	clear	fair	clear	clear	snow	cloudy

印刷人 阪資所 神戸市中山手通七丁目 發行人 發行所 海洋氣象臺

昭和三年一一月一四日

北太平洋天氣圖

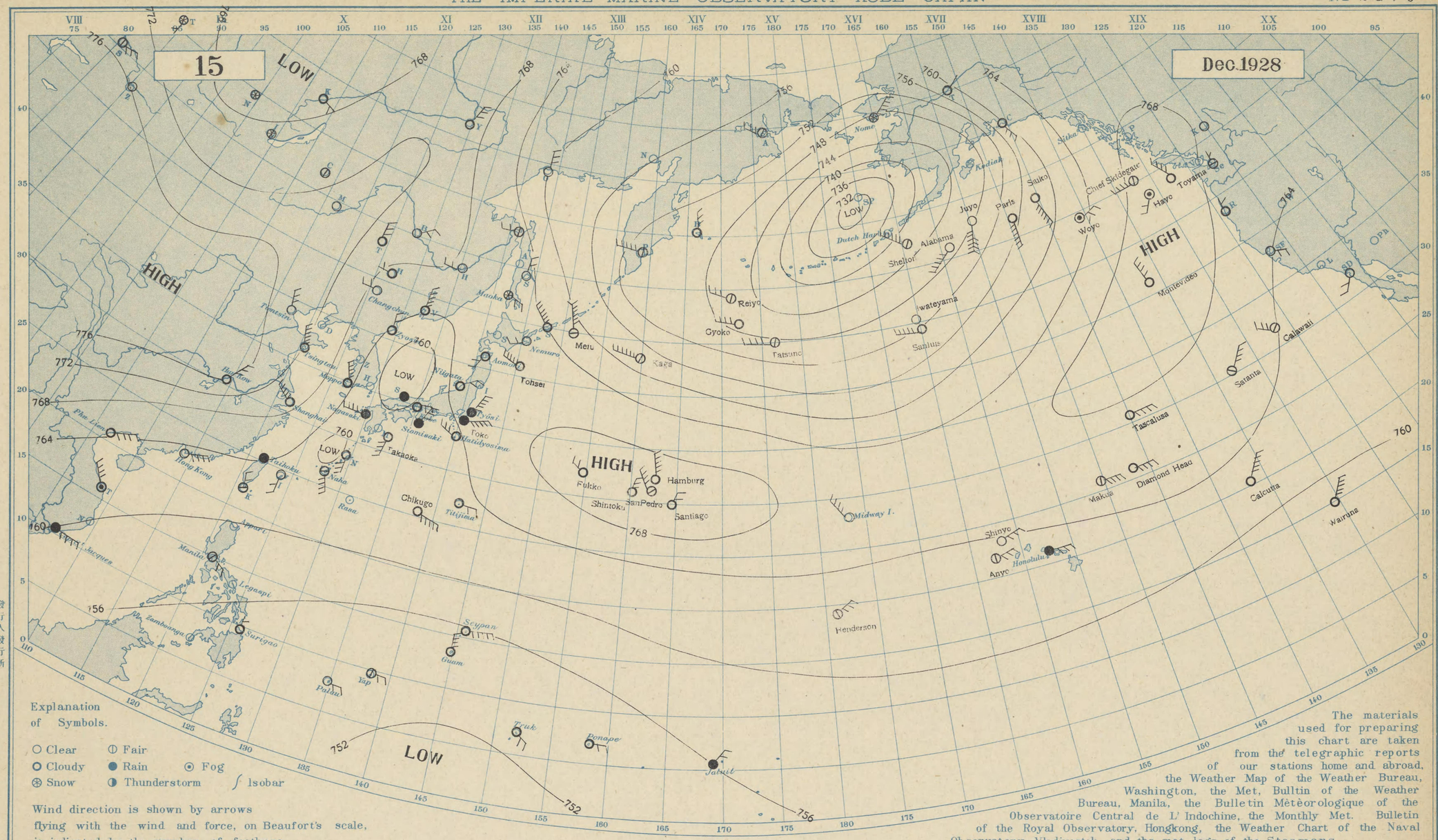
第二一七號

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

№ 2176



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.)	764.1	761.5	761.5	763.7	761.5	765.0	762.4	763.7	764.8	766.9	765.3	764.4	765.2	763.6	767.9	774.7	772.0
Air Temperature (in C)	20.8	24.2	15.7	13.1	10.8	7.7	18.1	25.1	4.4	1.9	-0.7	-9.1	6.1	-0.2	-12.8	-3.8	0.2
Direction and Force of Winds (0-12)	- 1	SSE 4	W 4	NE 3	E 2	NE 5	WNW 3	E 2	ENE 2	SW 2	WSW 2	ESE 2	NNW 5	N 2	W 2	NNW 3	NNW 6
Weather	rain	fair	rain	rain	cloudy	rain	cloudy	cloudy	cloudy	cloudy	clear	snow	cloudy	cloudy	clear	clear	cloudy

Station / Hour of Observation	Shanghai 12h, 135E	Hankow 12h, 135E	Rasa 12h, 135E	Palau 12h, 135E	Hongkong 16h,	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.)	770.1	776.4	-	755.6	763.5	*757.8	* 755.7	*754.7	* 756.7	* 764.4	754.3	758.1	761.5	765.0	747.8	735.6	744.7
Air Temperature (in C)	8.5	6.3	-	29.8	25.	30.	27.	-	-	22.	27.0	26.0	23.	21.	-8.	1.	4.
Direction and Force of Winds (0-12)	WNW 5	NNE 3	-	E 2	ENE 4	ESE 2	N 1	N 4	E 2	ENE 4	SE 2	NE 2	E 3	NW 4	NE 5	calm	W 6
Weather	cloudy	cloudy	-	clear	clear	fair	cloudy	cloudy	fair	cloudy	cloudy	rain	rain	clear	snow	clear	fair

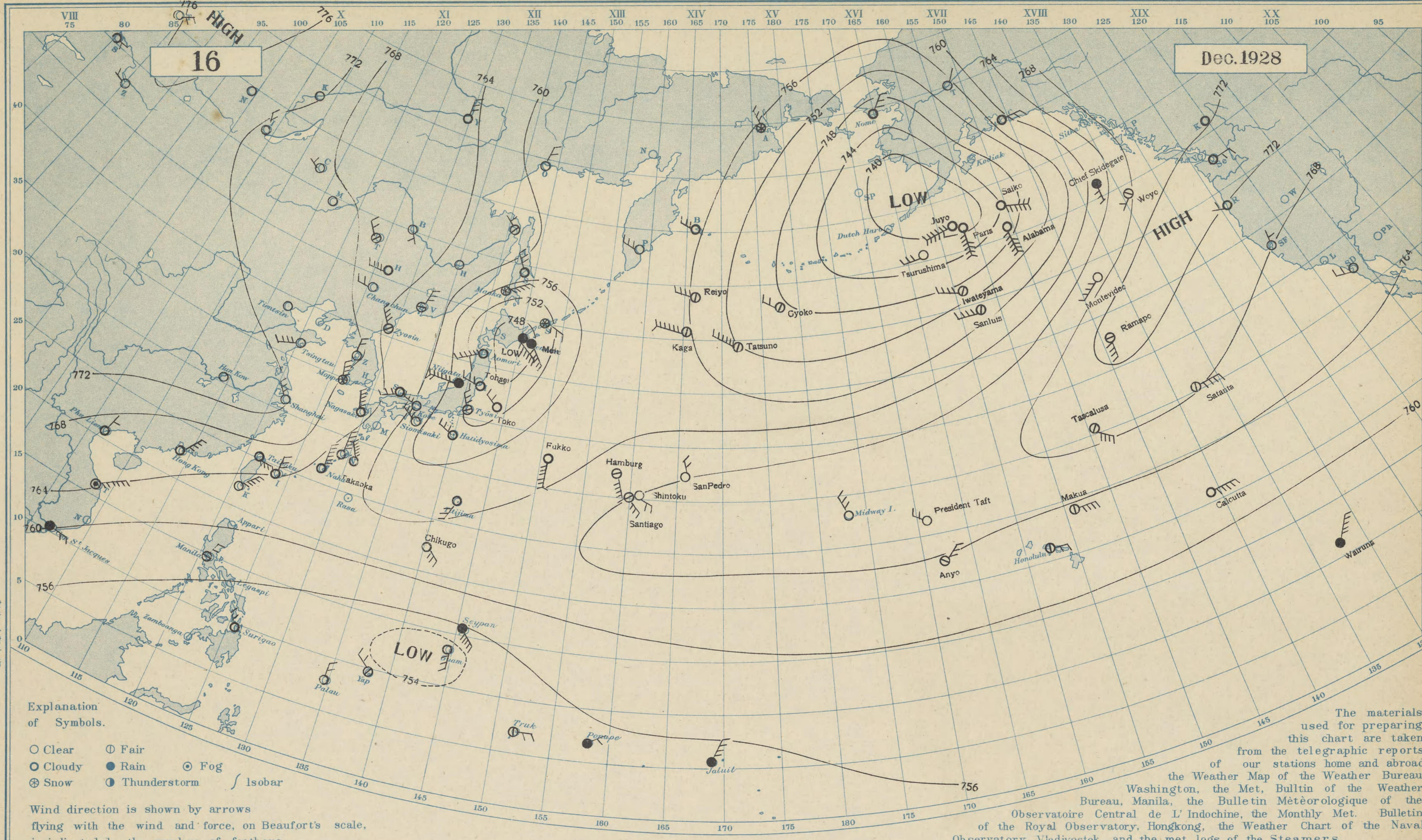
發行人發行所 印刷人販賣所 神戸市中山手通七丁目 海洋氣象臺

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

№ 2177



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.)	767.3	763.7	765.4	756.4	759.3	751.4	754.0	757.1	755.2	750.0	746.0	752.3	767.6	761.8	766.7	769.0	770.1
Air Temperature (in C)	15.7	17.8	4.8	12.6	9.6	9.2	16.4	24.9	7.1	2.7	3.1	-8.8	1.5	-6.0	13.5	-3.0	1.8
Direction and Force of Winds (0-12)	E 3	N 6	NNW 5	NW 4	WNW 3	NNW 3	WNW 3	SSW 3	W 8	WSW 6	SE 6	ENE 5	NNW 4	NW 4	W 2	- 1	WSW 4
Weather	cloudy	cloudy	cloudy	clear	clear	fair	cloudy	cloudy	rain	cloudy	rain	snow	snow	fair	clear	clear	clear

Station / Hour of Observation	Shanghai 12^h, 135E	Hankow 12^h, 135E	Rasa 12^h, 135E	Palau 12^h, 135E	Hongkong 16^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 16^h, 135W	Kodiak 16^h, 135W
Atm. Pressure (Red. to m.s.l. and Strd Gr.) (* not reduced to Strd Gr.)	772.4	773.2	-	755.4	766.3	* 756.8	* 755.2	* 755.1	* 755.7	* 767.5	756.0	757.2	762.0	766.6	746.2	740.1	753.4
Air Temperature (in C)	4.5	5.6	-	28.3	17.	32.	28.	-	-	14.	27.0	25.4	23.	18.	-4.	0.	2.
Direction and Force of Winds (0-12)	NW 3	- 1	-	N 2	NE 4	NNE 2	NW 2	S 3	NW 2	NNE 1	E 2	NNE 4	E 2	NW 3	NE 3	calm	SW 4
Weather	clear	clear	-	cloudy	cloudy	fair	cloudy	cloudy	fair	cloudy	fair	rain	fair	clear	cloudy	fair	clear

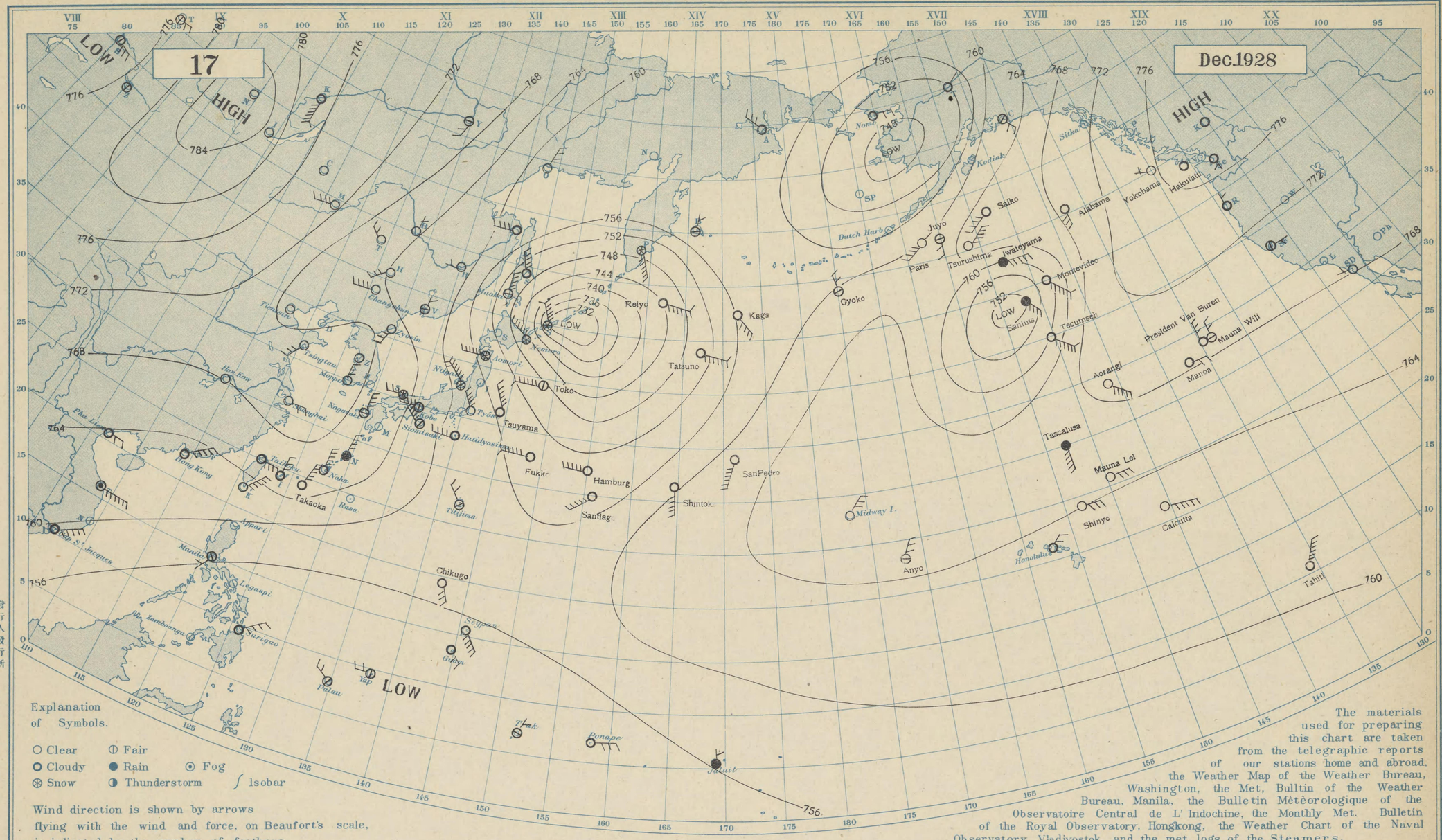
發行人發行所 印刷人販賣所 神戸市中山手通七丁目 海洋氣象臺

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

№ 2178



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.)	766.0	765.2	767.4	762.4	763.4	757.1	759.4	758.5	759.6	755.5	744.6	749.8	769.2	764.4	765.0	766.7	768.3
Air Temperature (in C)	18.5	17.3	7.2	6.2	5.9	8.4	9.0	20.9	3.2	-4.4	-2.4	-6.1	5.8	-2.8	-13.1	-2.0	5.6
Direction and Force of Winds (0-12)	E 4	N 5	N 4	NW 5	W 5	NW 5	W 4	NW 2	WNW 8	W 6	WNW 6	N 5	N 3	SSW 3	W 4	- 1	SW 3
Weather	cloudy	cloudy	fair	fair	fair	clear	cloudy	fair	snow	snow	snow	fair	clear	clear	clear	clear	clear

Station / Hour of Observation	Shanghai 12h, 135E	Hankow 12h, 135E	Rasa 12h, 135E	Palau 12h, 135E	Hongkong 16h,	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.)	769.4	767.8	-	755.7	764.8	*756.7	* 755.8	*755.8	* 756.6	* 763.8	755.8	758.3	763.0	768.1	750.8	742.2	-
Air Temperature (in C)	7.6	8.7	-	28.9	18.	29.	28.	-	-	20.	27.2	24.6	22.	17.	-9.	0.	-
Direction and Force of Winds (0-12)	E 2	- 1	-	WNW 2	ENE 5	SW 1	ENE 4	SE 2	W 2	E 2	NE 1	N 1	NE 2	NE 3	E 2	SW -	-
Weather	clear	clear	-	fair	cloudy	fair	cloudy	cloudy	fair	cloudy	fair	rain	cloudy	clear	cloudy	clear	-

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

昭和三年一月二一日七

北太平洋天氣圖

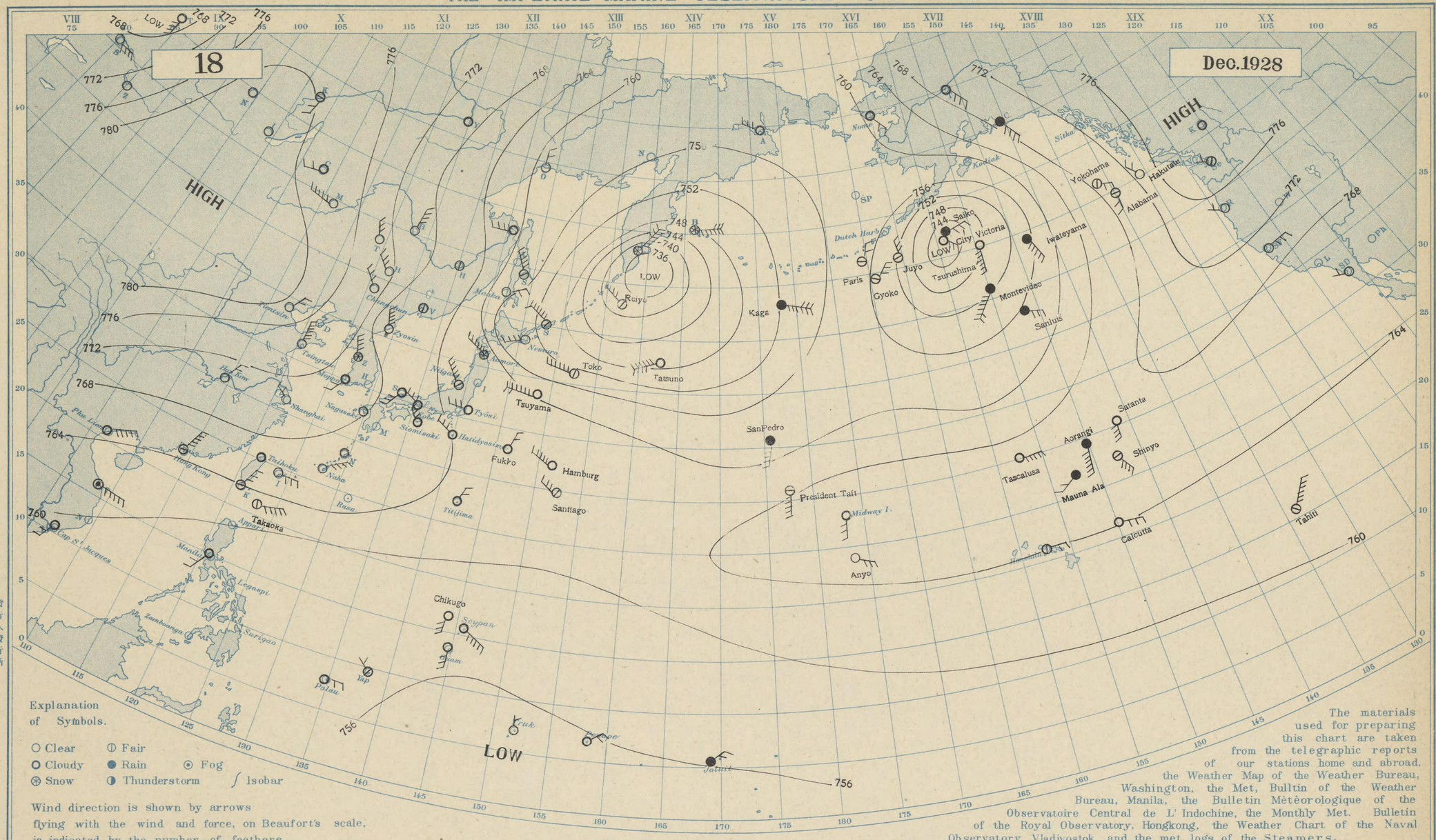
第二一七八號

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

№ 2179



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.)	765.0	765.4	768.9	766.1	767.1	761.9	763.7	763.2	762.8	760.6	753.9	755.0	767.1	766.2	773.0	779.0	773.9
Air Temperature (in C)	21.8	19.3	9.5	9.6	5.9	9.0	10.9	20.8	5.3	-4.2	-1.9	-6.4	9.1	-9.4	-17.0	-3.5	0.7
Direction and Force of Winds (0-12)	- 1	ENE 4	- 1	NW 3	WNW 3	W 3	WNW 3	NNE 2	NW 5	WNW 6	WSW 4	ENE 2	SSW 2	NNW 5	NW 3	NE 2	N 6
Weather	cloudy	clear	clear	cloudy	cloudy	cloudy	cloudy	cloudy	fair	snow	clear	clear	cloudy	clear	clear	clear	clear

Station / Hour of Observation	Shanghai 12h, 135E	Hankow 12h, 135E	Rasa 12h, 135E	Palau 12h, 135E	Hongkong 16h,	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.)	769.0	770.7	-	757.0	765.3	*758.6	* -	*757.2	*757.9	*764.4	755.5	757.8	764.0	765.5	761.0	759.5	768.6
Air Temperature (in C)	12.4	12.6	-	28.1	19.	27.	-	-	-	20.	27.	26.7	23.	21.	-4.	-1.	1.
Direction and Force of Winds (0-12)	WNW 2	NNE 2	-	E 2	NNE 5	SW 2	-	S 3	NW 1	ENE 5	N 1	ENE 2	E 2	S 3	SE 2	calm	calm
Weather	clear	clear	-	cloudy	fair	cloudy	-	cloudy	fair	cloudy	clear	rain	fair	cloudy	cloudy	clear	clear

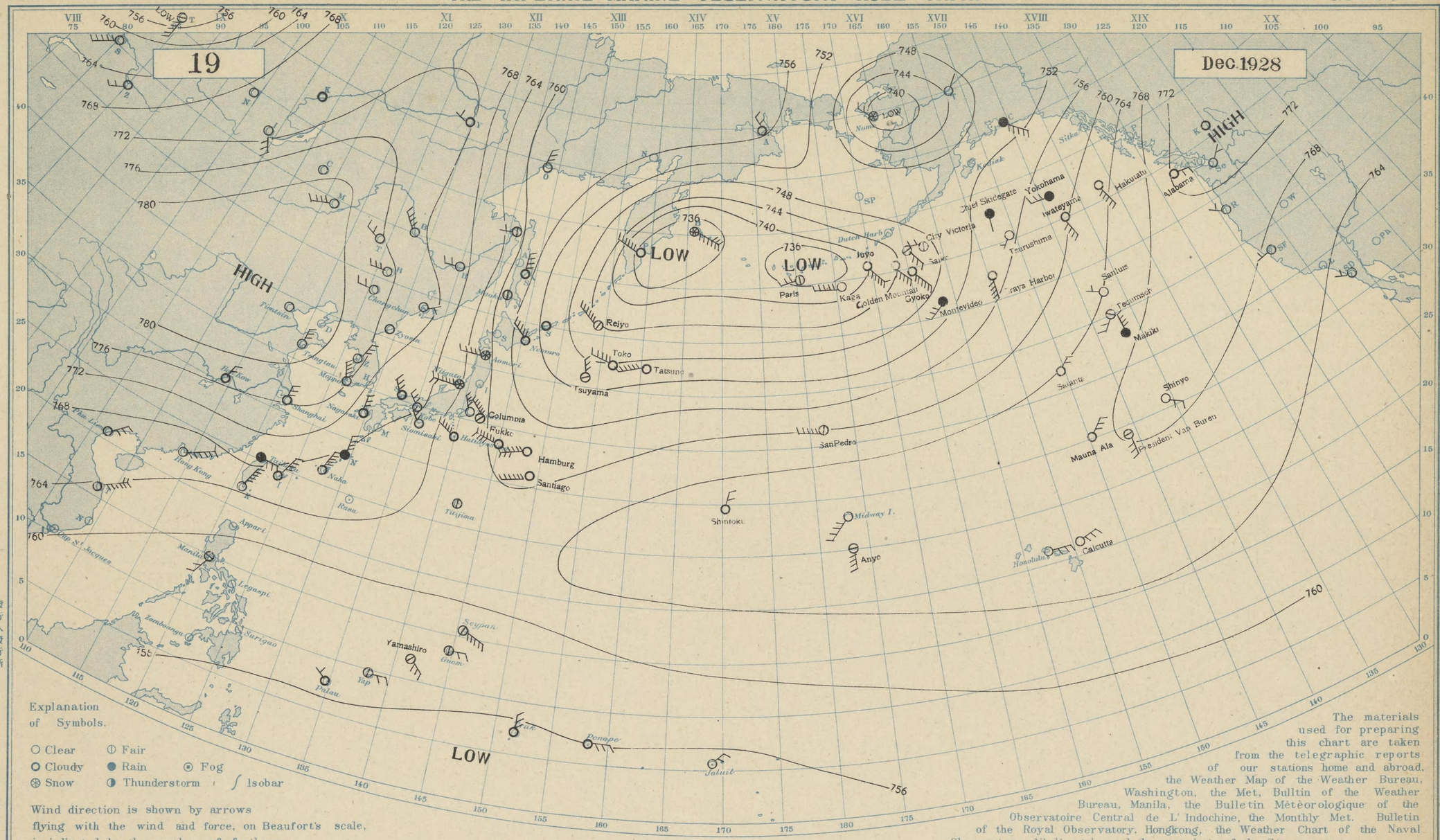
發行人發行所 印刷人販賣所 神戸市中山手通七丁目 海洋氣象臺

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

№ 2180



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.)	769.3	766.8	771.8	766.0	769.1	761.7	763.0	762.3	765.4	760.9	753.7	758.6	776.1	774.3	778.3	781.1	780.4
Air Temperature (in C)	17.1	18.7	5.0	8.3	3.8	5.4	9.5	21.1	-0.4	-5.6	-2.5	-6.1	-0.4	-5.7	-14.4	-4.7	-3.0
Direction and Force of Winds (0-12)	E 3	NNE 5	N 3	NNW 3	NW 3	NNW 3	WNW 5	- 1	W 8	W 5	NW 5	- 1	NNW 5	- 1	W 2	- 1	N 3
Weather	rain	cloudy	cloudy	clear	clear	clear	cloudy	fair	snow	snow	cloudy	fair	clear	clear	clear	clear	clear

Station / Hour of Observation	Shanghai 12h, 135E	Hankow 12h, 135E	Rasa 12h, 135E	Palau 12h, 135E	Hongkong 16h,	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.)	776.5	776.7	-	756.5	767.1	*758.9	* -	*757.0	*757.4	*766.5	755.7	757.2	765.0	764.5	739.1	752.8	751.8
Air Temperature (in C)	7.8	3.6	-	27.5	20.	28.	-	-	-	21.	27.2	28.7	22.	21.	-9.	1.	6.
Direction and Force of Winds (0-12)	N 3	NNE 2	-	NW 1	ENE 6	SSW 2	-	E 2	E 2	NE 3	N 3	NE 2	E 3	SW 4	NW 2	NW -	N 3
Weather	cloudy	cloudy	-	cloudy	clear	fair	-	fair	fair	cloudy	cloudy	clear	clear	clear	snow	cloudy	rain

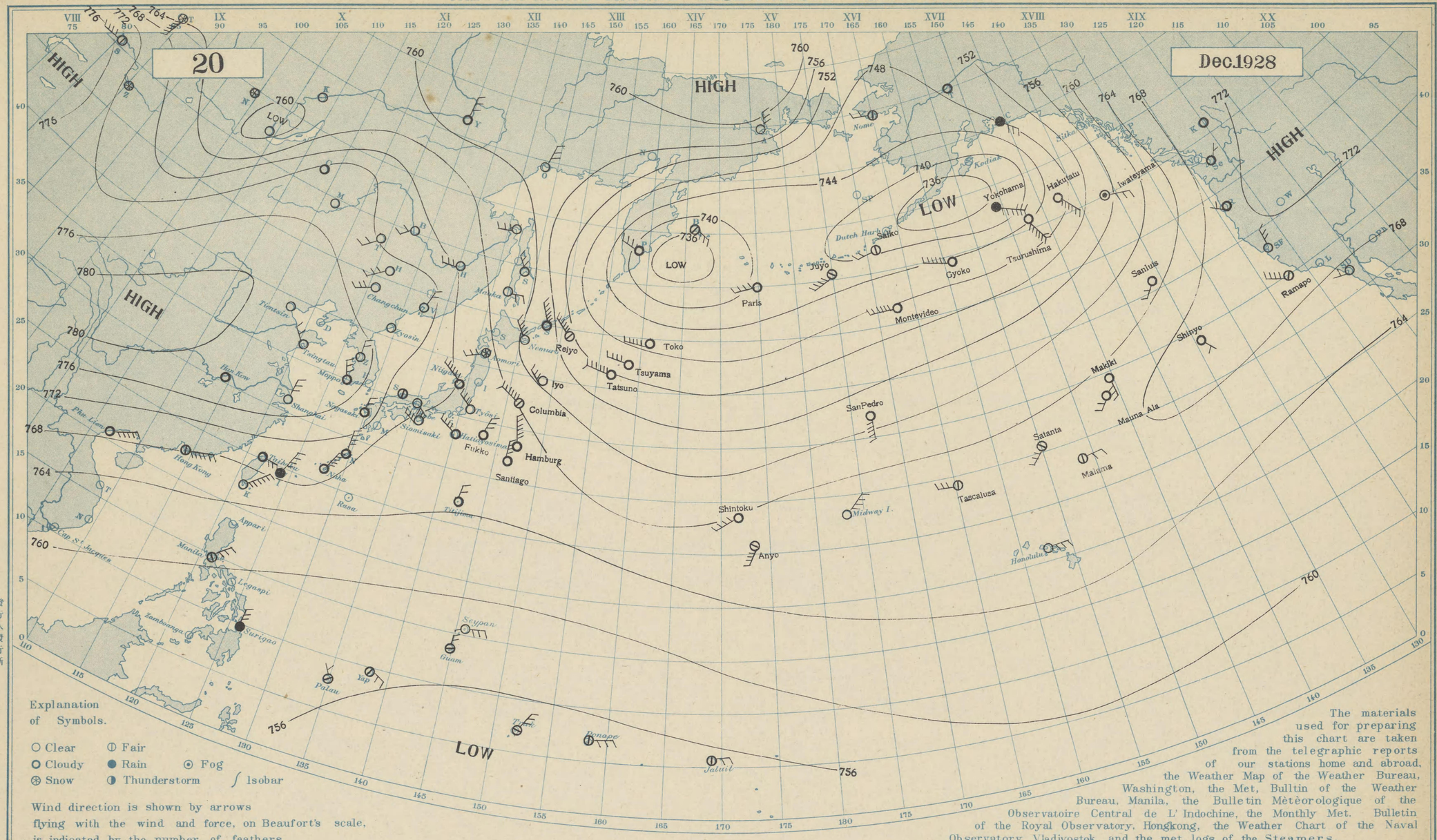
發行人發行所 印刷人販賣所 神戸市中山手通七丁目 海洋氣象臺

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

№ 2181



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.)	771.1	768.8	772.9	769.5	770.1	765.7	767.1	764.4	767.9	764.1	759.3	760.5	775.7	773.7	772.8	777.8	778.3
* not reduced to Strd. Gr.																	
Air Temperature (in C)	16.1	18.2	7.8	8.2	6.6	7.1	9.3	17.7	2.3	- 4.1	- 2.9	- 1.0	1.4	3.3	-11.2	- 4.2	- 0.7
Direction and Force of Winds (0-12)	E 3	NNE 6	N 2	NW 4	SE 3	WNW 4	WNW 4	N 2	WNW 6	WSW 3	NW 5	E 2	NNW 3	calm	WSW 3	calm	NW 2
Weather	cloudy	cloudy	cloudy	clear	clear	clear	cloudy	cloudy	cloudy	snow	clear	clear	cloudy	clear	clear	clear	clear

Station / Hour of Observation	Shanghai 12h, 135E	Hankow 12h, 135E	Rasa 12h, 135E	Palau 12h, 135E	Hongkong 16h,	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.)	777.1	777.8	-	757.0	769.2	* 760.6	* 759.0	* 757.9	* 757.7	*768.5	755.7	757.6	764.5	765.5	746.2	744.2	745.7
* not reduced to Strd Gr.																	
Air Temperature (in C)	8.6	4.2	-	28.5	19.	29.	26.	-	-	22.	27.4	27.6	22.	21.	-16.	2.	- 1.
Direction and Force of Winds (0-12)	N 3	- 1	-	NW 1	ENE 6	NE 3	N 3	N 3	ESE 2	ENE 5	NE 3	E 2	E 3	NE 4	W 2	SE -	calm
Weather	clear	cloudy	-	fair	fair	fair	rain	fair	fair	cloudy	fair	fair	clear	clear	fair	cloudy	clear

発行人 印刷人 神戸市中山手通七丁目 海洋氣象臺

昭和三年一二月二〇日

北太平洋天氣圖

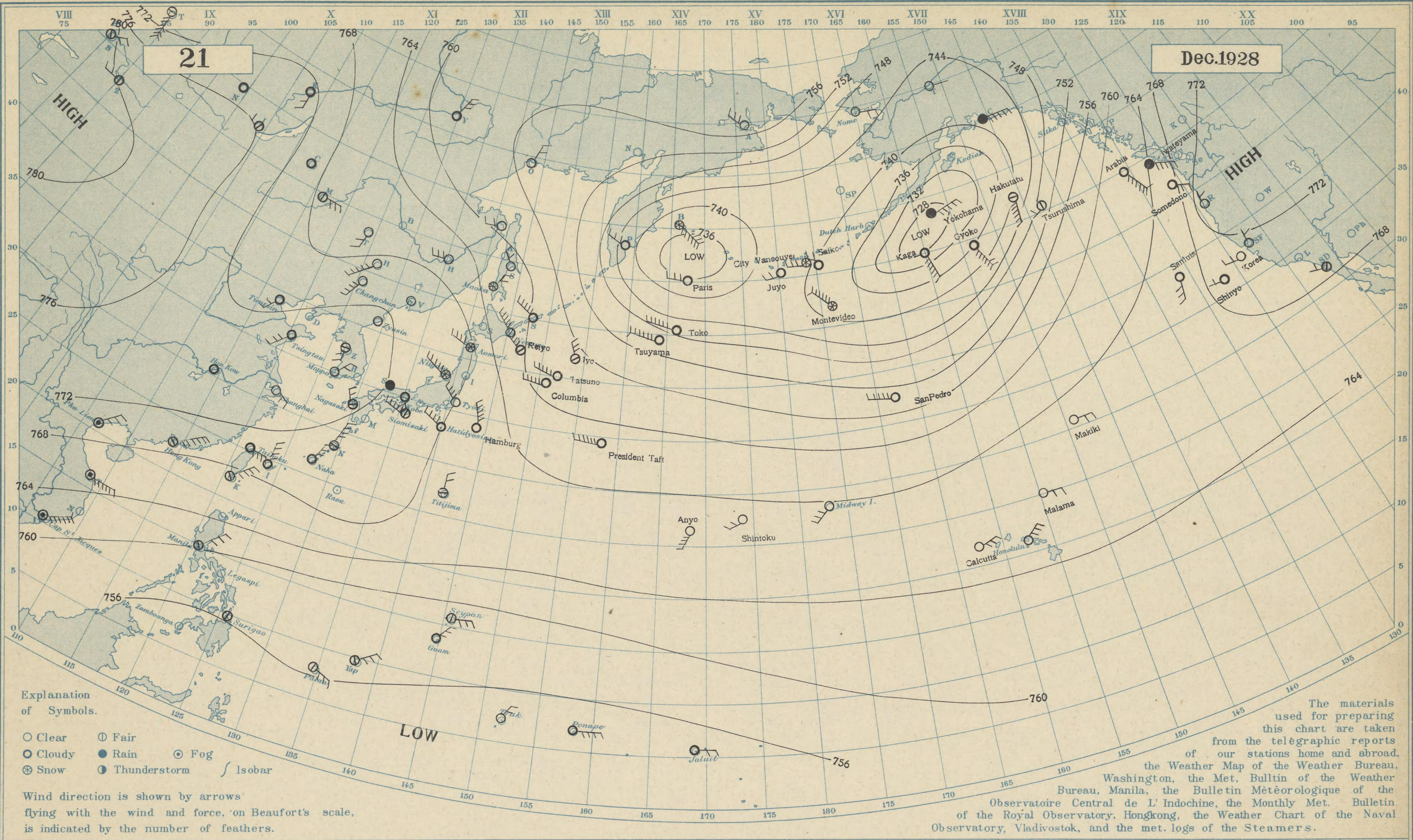
第二一八一號

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

№ 2182



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 telègraphic 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
Atm. Pressure (Red. to m.s.l. and Strd. Gr.; * not reduced to Strd. Gr.)	770.2	769.0	773.2	769.8	771.4	768.0	767.9	766.1	770.0
Air Temperature (in C)	18.1	17.6	7.0	9.2	5.6	6.5	9.8	19.1	3.6
Direction and Force of Winds (0-12)	E 4	NE 3	NNW 2	WNW 4	SSE 2	NW 4	WNW 4	N 2	WNW 5
Weather	cloudy	cloudy	fair	fair	cloudy	clear	cloudy	fair	snow

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 (Red. to m.s.l. and Strd. Gr.; * not reduced to Strd. Gr.)	767.8	762.2	763.0	774.3	772.1	770.4	770.4	773.0
Air Temperature (in C)	- 3.0	- 4.7	- 9.5	2.7	- 1.6	- 7.1	0.0	3.1
Direction and Force of Winds (0-12)	WNW 3	NW 5	NE 2	NNE 2	- 1	SSW 4	SW 2	SW 3
Weather	snow	fair	snow	clear	clear	clear	cloudy	cloudy

Station / Hour of Observation	Shanghai 12h, 135E	Hankow 12h, 135E	Rasa 12h, 135E	Palau 12h, 135E	Hongkong 16h,	Manila 14h,	Surigao 14h,	Guam 14h,	Yap 14h,
Atm. Pressure (Red. to m.s.l. and Strd Gr.; * not reduced to Strd Gr.)	773.2	774.6	-	756.3	769.2	*760.7	* 757.6	*758.6	* 757.1
Air Temperature (in C)	11.8	3.5	-	28.8	19.	29.	28.	-	-
Direction and Force of Winds (0-12)	ESE 2	- 1	-	ESE 3	ENE 6	NE 3	calm	NE 3	ENE 3
Weather	clear	cloudy	-	fair	fair	fair	fair	cloudy	fair

Station / Hour of Observation	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.)	*769.2	755.5	757.4	765.0	764.0	745.2	740.1	731.5
Air Temperature (in C)	20.	27.9	25.8	22.	21.	-19.	0.	3.
Direction and Force of Winds (0-12)	NE 3	NE 2	E 2	NE 3	SW 3	E 2	NE -	NE 6
Weather	fog	clear	cloudy	clear	clear	clear	cloudy	cloudy

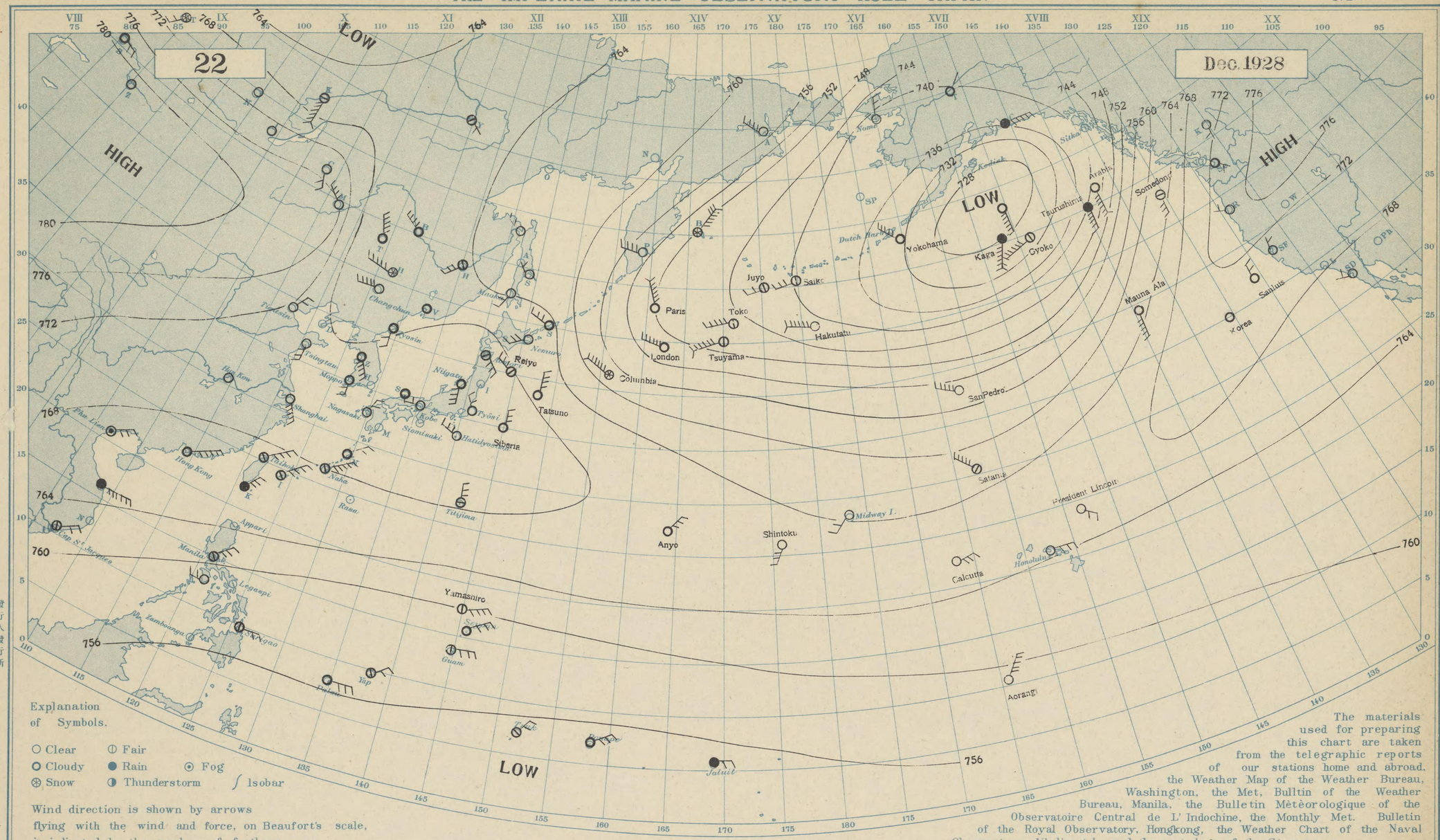
發行人發行所
印刷人販賣所
神戸市中山手通七丁目
海洋氣象臺

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

No 2183



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.)	766.6	768.2	771.9	771.5	772.2	770.9	769.8	768.0	770.8	769.5	766.7	768.9	771.5	765.3	765.9	771.8	769.0
* not reduced to Strd. Gr.	24.0	19.7	14.2	11.6	9.1	7.3	13.2	20.0	2.7	2.4	1.3	8.9	3.8	1.0	-10.4	1.6	9.4
Air Temperature (in C)	ENE 4	ENE 5	NE 2	- 1	W 2	NNW 2	WNW 3	N 3	S 4	SE 3	WSW 3	CSW 2	S 2	S 2	W 5	NNE 2	S 3
Direction and Force of Winds (0-12)	fair	fair	clear	clear	clear	clear	fair	fair	cloudy	fair	clear	clear	cloudy	cloudy	clear	clear	clear
Weather																	

Station Hour of Observation	Shanghai 12h, 135E	Hankow 12h, 135E	Rasa 12h, 135E	Palau 12h, 135E	Hongkong 16h,	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.)	769.6	768.9	-	756.8	767.4	*760.1	* 757.4	*753.4	* 757.5	*767.3	755.3	757.3	764.0	763.5	739.6	728.5	731.5
* not reduced to Strd Gr.	13.9	10.9	-	20.1	21.	29.	28.	-	-	19.	27.2	26.0	22.	21.	-16.	- 2.	2.
Air Temperature (in C)	SE 5	- 1	-	E 3	ENE 6	NE 3	E 2	E 3	ENE 2	ENE 3	NE 2	E 2	E 3	SW 3	N 3	NW 2	calm
Direction and Force of Winds (0-12)	clear	clear	-	cloudy	cloudy	fair	fair	fair	fair	fog	fair	rain	clear	clear	clear	snow	cloudy
Weather																	

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.

発行人 発行所 印刷人 販賣所 神戸市中山手通七丁目 海洋氣象臺

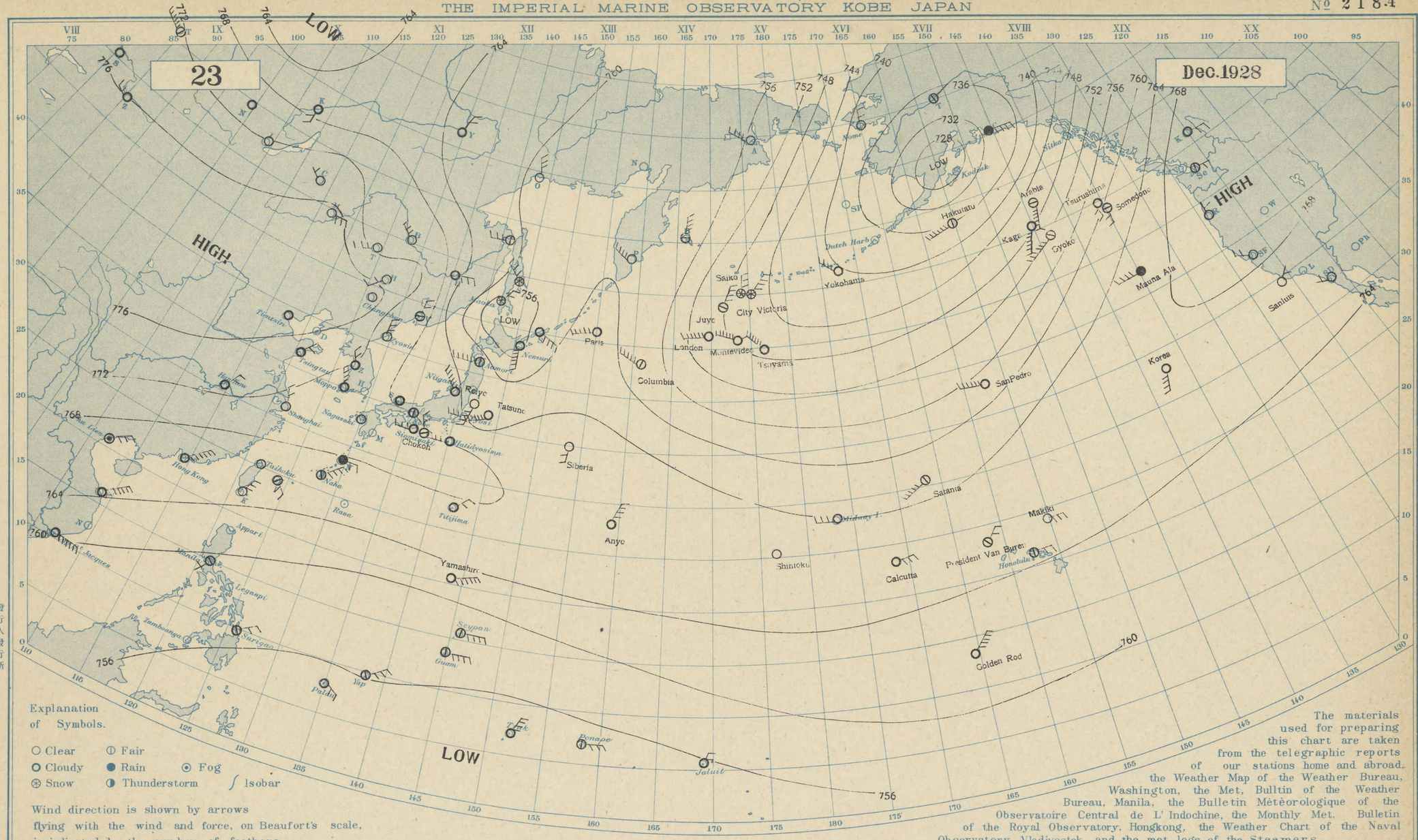
昭和三年一二月二一日 北太平洋天氣圖 第二一八三號

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

№ 2184



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.)	765.7	765.5	769.1	768.4	769.0	763.9	767.9	767.1	764.3	761.0	754.2	753.8	769.2	770.3	776.9	776.8	773.7
Air Temperature (in C)	22.8	21.4	16.7	14.8	9.8	11.4	13.8	20.8	7.8	3.4	4.4	- 0.5	8.0	- 0.6	-12.5	- 2.2	3.8
Direction and Force of Winds (0-12)	- 1	ENE 4	- 1	W 3	calm	W 3	W 4	ENE 2	NW 6	W 6	S 6	NE 2	NNW 4	N 3	- 1	- 1	NE 2
Weather	clear	fair	clear	cloudy	fair	clear	cloudy	cloudy	cloudy	fair	cloudy	snow	cloudy	clear	clear	cloudy	cloudy

Station / Hour of Observation	Shanghai 12h, 135E	Hankow 12h, 135E	Rasa 12h, 135E	Palau 12h, 135E	Hongkong 16h, 135E	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.)	768.9	773.3	-	755.6	765.1	* 759.3	* 757.5	* 757.5	* 757.2	* 765.5	755.5	758.0	764.5	764.0	736.6	744.2	720.8
Air Temperature (in C)	14.7	6.4	-	28.4	21.	30.	29.	-	-	21.	26.4	27.2	22.	21.	-18.	3.	0.
Direction and Force of Winds (0-12)	NNW 2	NNE 2	-	ESE 3	ENE 6	SW 1	ENE 2	E 4	ENE 3	ENE 3	NNE 3	NNE 2	E 2	W 3	N 2	W 2	calm
Weather	clear	cloudy	-	cloudy	cloudy	fair	fair	fair	fair	fog	cloudy	cloudy	fair	cloudy	clear	clear	snow

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

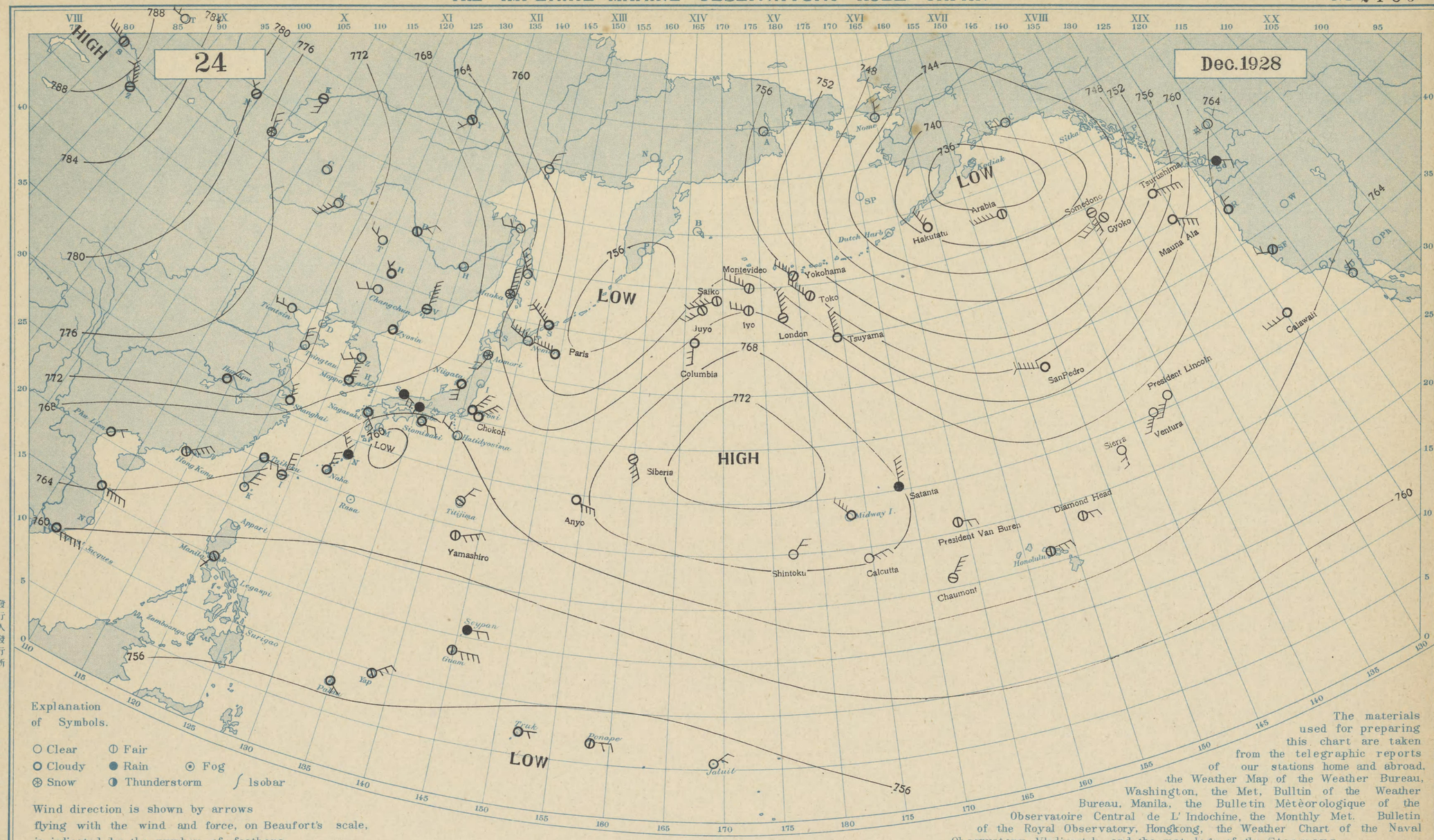
昭和三年 二月 二日 北太平洋天氣圖 第二一八四號

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

№ 2185



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.)	765.7	762.3	764.3	763.3	764.7	764.5	763.4	763.5	766.6	766.6	762.5	764.3	768.1	769.1	768.6	772.8	772.9
Air Temperature (in C)	19.4	20.3	13.3	15.6	7.8	9.4	16.8	22.2	5.1	- 2.6	- 0.6	-m6.1	5.1	- 0.2	-10.0	- 2.8	- 1.0
Direction and Force of Winds (0-12)	E 2	N 3	SE 3	E 2	- 1	NE 4	WNW 2	NE 2	S 3	SSW 2	WNW 5	N 5	N 5	calm	WSW 2	W 2	NNW 2
Weather	cloudy	cloudy	cloudy	cloudy	rain	cloudy	clear	fair	cloudy	snow	clear	snow	cloudy	cloudy	clear	clear	clear

Station / Hour of Observation	Shanghai 12h, 135E	Hankow 12h, 135E	Rasa 12h, 135E	Palau 12h, 135E	Hongkong 16h,	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.)	770.7	773.7	-	756.4	765.3	*759.0	* -	*757.0	* 757.4	* 765.6	755.1	757.0	764.5	769.6	746.8	736.6	728.5
Air Temperature (in C)	9.0	4.2	-	26.4	22.	28.	-	-	-	23.	25.2	28.8	23.	18.	-24.	- 3.	2.
Direction and Force of Winds (0-12)	NNW 3	NE 2	-	SE 1	ENE 5	SW 1	-	E 4	ENE 3	ENE 1	E 1	ENE 2	E 3	NW 4	N 2	NW -	SW 4
Weather	cloudy	cloudy	-	cloudy	clear	fair	-	fair	fair	cloudy	cloudy	clear	fair	cloudy	clear	snow	cloudy

發行人 印刷人 神戸市中山手通七丁目 海洋氣象臺

昭和三年一二月二四日

北太平洋天氣圖

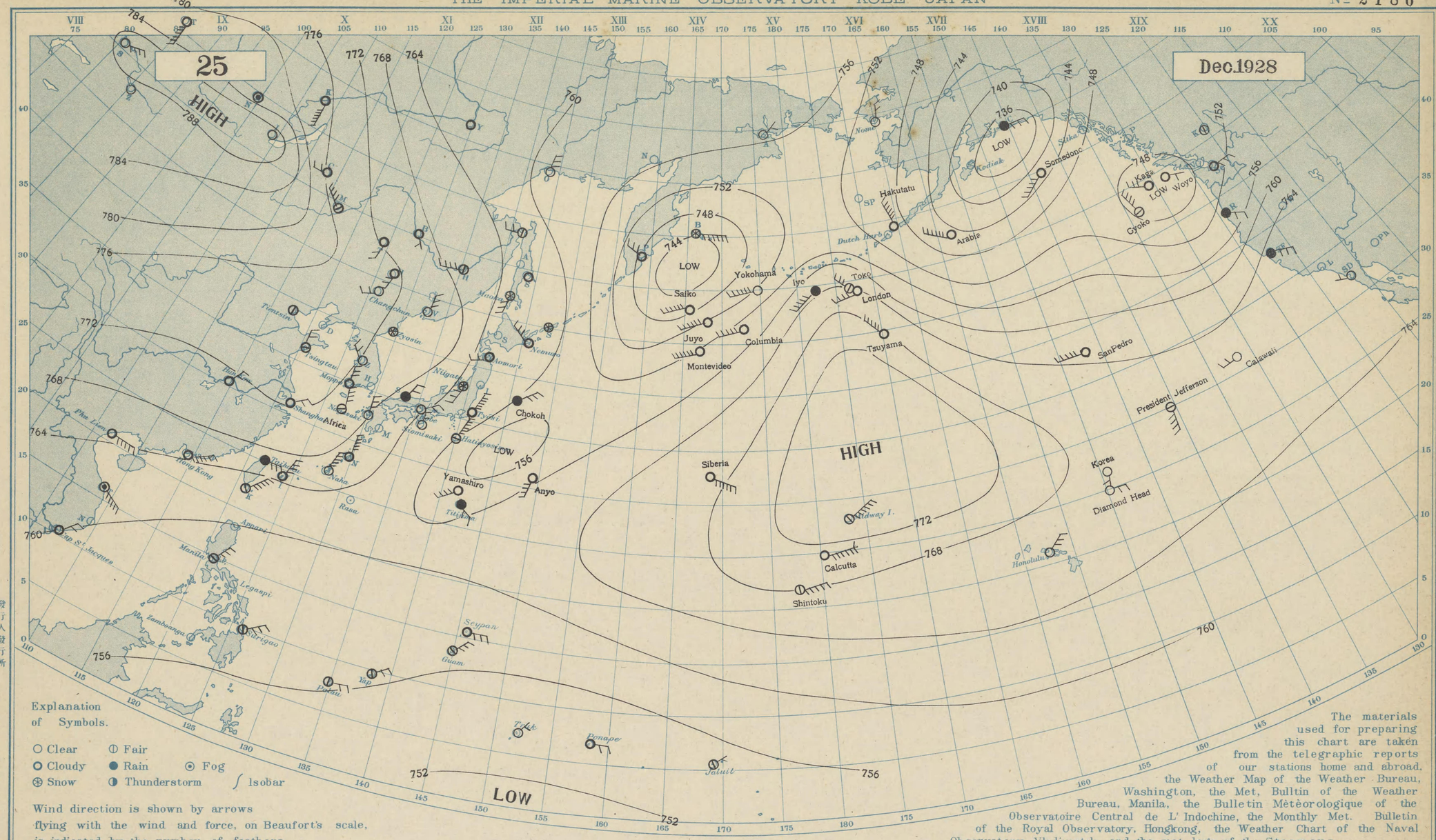
第二一八五號

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

№ 2186



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.)	767.7	765.0	768.0	762.3	765.2	760.9	759.5	758.6	763.6	763.8	763.1	763.0	771.1	769.1	772.7	772.9	773.4
Air Temperature (in C)	15.5	18.0	8.2	13.0	7.8	7.8	12.9	20.5	3.6	0.9	- 0.8	- 4.1	6.0	- 0.2	-11.2	0.5	1.0
Direction and Force of Winds (0-12)	E 3	NNE 5	N 3	N 2	ENE 2	NNE 6	NNE 7	SE 2	SSW 3	WSW 2	NW 3	SSW 3	N 3	calm	WSW 2	- 1	N 2
Weather	rain	clear	clear	clear	clear	cloudy	fair	rain	snow	cloudy	cloudy	snow	cloudy	snow	clear	fair	fair

Station / Hour of Observation	Shanghai 12h, 135E	Hankow 12h, 135E	Rasa 12h, 135E	Palau 12h, 135E	Hongkong 16h	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.)	772.2	770.7	-	756.3	765.8	*758.2	* 756.8	*756.4	* 757.1	* 764.2	753.5	756.4	766.1	773.2	749.3	744.2	732.5
Air Temperature (in C)	8.6	7.1	-	29.5	19.	30.	28.	-	-	22.	27.4	28.2	23.	18.	-26.	- 7.	3.
Direction and Force of Winds (0-12)	ENE 2	NE 2	-	E 2	ENE 6	NE 3	ENE 3	NE 3	ENE 2	E 5	NE 1	ENE 1	NE 3	NE 6	N 2	W -	N 8
Weather	cloudy	cloudy	-	fair	clear	fair	fair	fair	fair	cloudy	clear	fair	clear	fair	clear	cloudy	rain

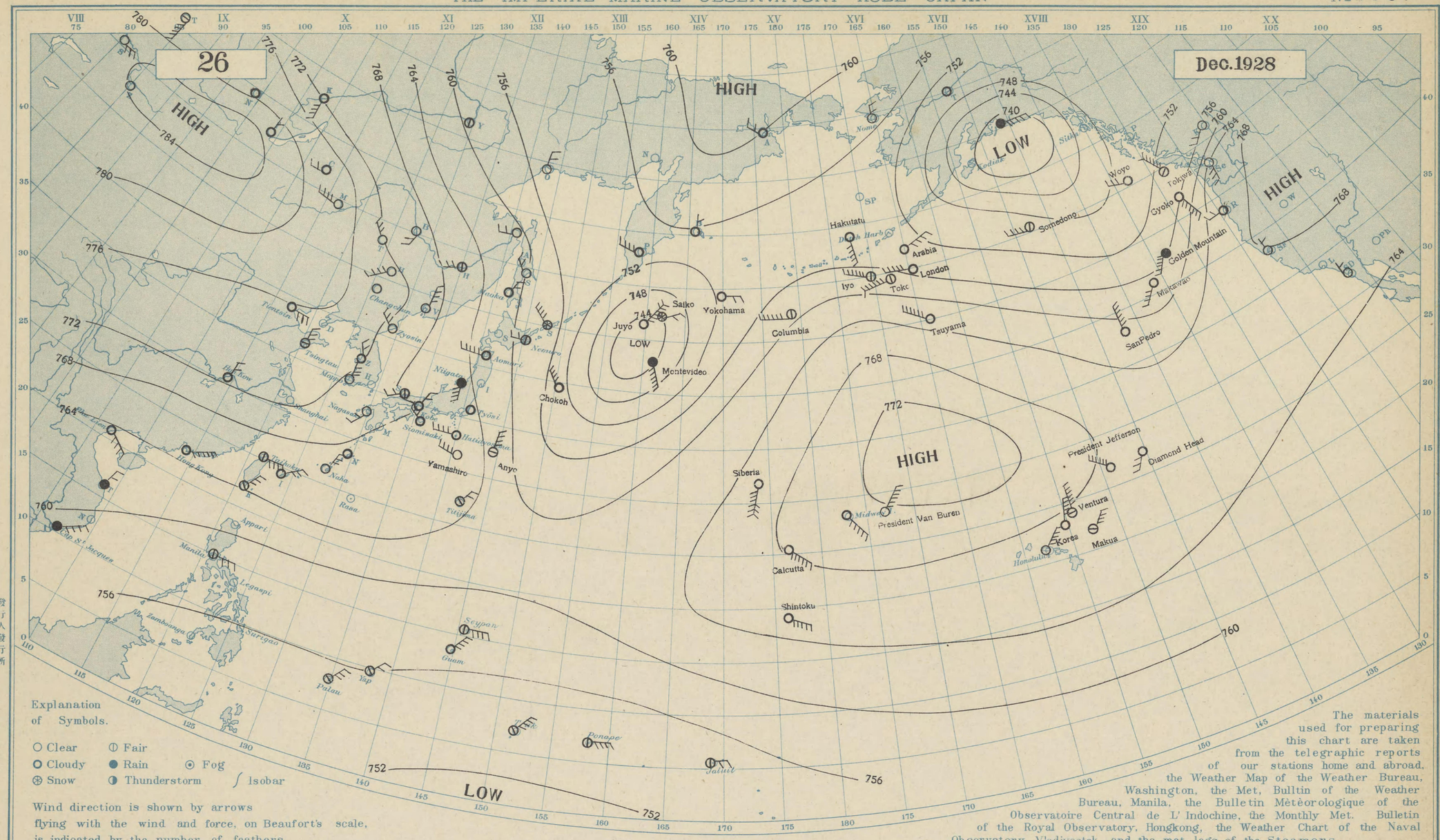
発行人 発行所 神戸市中山手通七丁目 海洋氣象臺
印刷人 販賣所

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

№ 2187



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.)	766.2	766.1	769.6	767.0	768.2	765.5	765.6	764.3	766.8	763.0	759.5	761.0	771.1	769.1	775.2	775.7	773.6
Air Temperature (in C)	20.1	19.5	11.5	11.3	9.4	7.1	12.3	22.1	2.8	0.5	-0.3	-8.0	6.0	1.1	-13.0	0.8	4.3
Direction and Force of Winds (0-12)	E 4	NE 3	SW 2	NW 3	NNE 2	- 1	W 4	NE 2	S 4	W 5	W 2	NE 2	N 4	NW 3	- 1	E 3	N 3
Weather	fair	clear	clear	cloudy	cloudy	cloudy	cloudy	fair	rain	cloudy	fair	cloudy	clear	clear	clear	cloudy	fair

Station / Hour of Observation	Shanghai 12h, 135E	Hankow 12h, 135E	Rasa 12h, 135E	Palau 12h, 135E	Hongkong 16h,	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.)	771.3	770.4	-	755.9	765.8	* 758.7	* -	* 757.4	* 756.9	* 763.7	755.0	756.6	766.1	770.6	757.4	754.9	737.6
Air Temperature (in C)	11.4	6.4	-	29.1	18.	31.	-	-	-	23.	26.0	28.7	21.	21.	-31.	-4.	2.
Direction and Force of Winds (0-12)	NE 3	NNE 2	-	NE 3	ENE 6	E 3	-	NE 4	NE 2	ESE 4	NE 4	E 2	NE 5	SE 5	N 2	calm	N 6
Weather	cloudy	cloudy	-	fair	cloudy	fair	-	cloudy	fair	cloudy	fair	fair	clear	cloudy	clear	clear	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

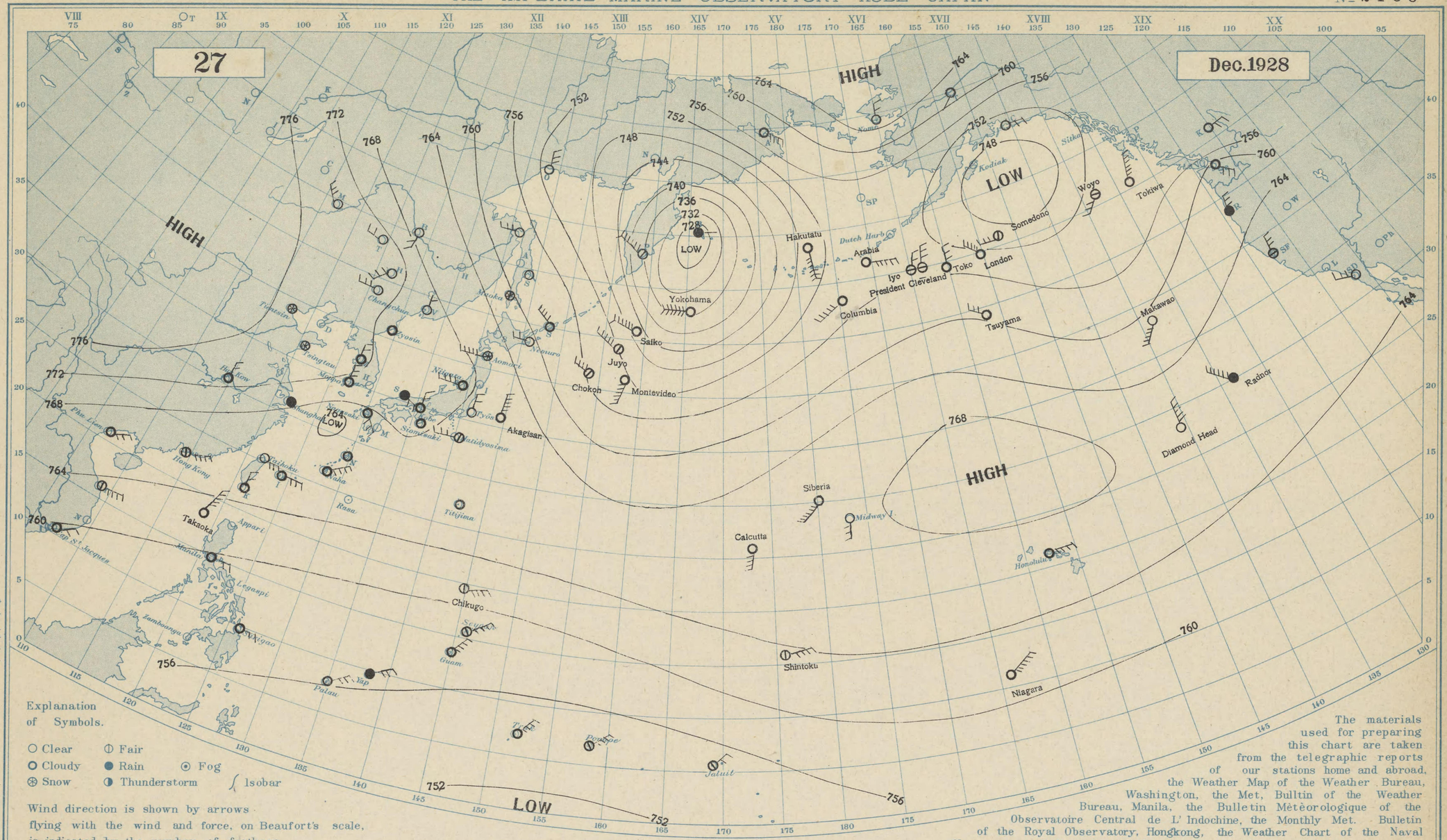
昭和三年一二月二六日 北太平洋天氣圖 第二一八七號

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

№ 2188



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.)	765.3	765.2	768.4	768.5	769.7	767.1	766.9	765 4	770.0	766.4	760.6	759.7	771.2	770.5	774.1	774.8	773.1
Air Temperature (in C)	23.7	21.1	10.6	12.1	8.8	8.0	13.7	21.4	5.0	-3.5	-2.4	-8.4	2.2	-0.8	-12.9	-1.6	0.6
Direction and Force of Winds (0-12)	E 3	ENE 4	SE 3	- 1	N 2	N 2	W 3	- 1	W 4	W 5	W 2	- 1	N 3	- 1	W 3	- 1	- 1
Weather	clear	cloudy	clcudy	cloudy	cloudy	clear	fair	clcudy	cloudy	snow	clear	snow	cloudy	cloudy	clear	snow	snow

Station / Hour of Observation	Shanghai 12h, 135E	Hankow 12h, 135E	Rasa 12h, 135E	Palau 12h, 135E	Hongkong 16h,	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.)	768.4	773.0	-	756.0	763.8	* 759.9	* 758.3	* 757.6	* 757.5	* 765.5	755.2	756.7	766.6	766.6	766.1	734.1	743.7
Air Temperature (in C)	11.9	5.1	-	28.3	19.	32.	26.	-	-	23.	28.5	28.6	21.	21.	-29.	-3.	-2.
Direction and Force of Winds (0-12)	calm	N 2	-	ENE 3	ENE 4	E 2	E 2	NE 4	ENE 3	ENE 3	NE 4	NE 2	E 4	S 3	N 2	NW 3	calm
Weather	rain	cloudy	-	cloudy	fair	cloudy	cloudy	cloudy	rain	cloudy	cloudy	fair	cloudy	clear	clear	fair	clear

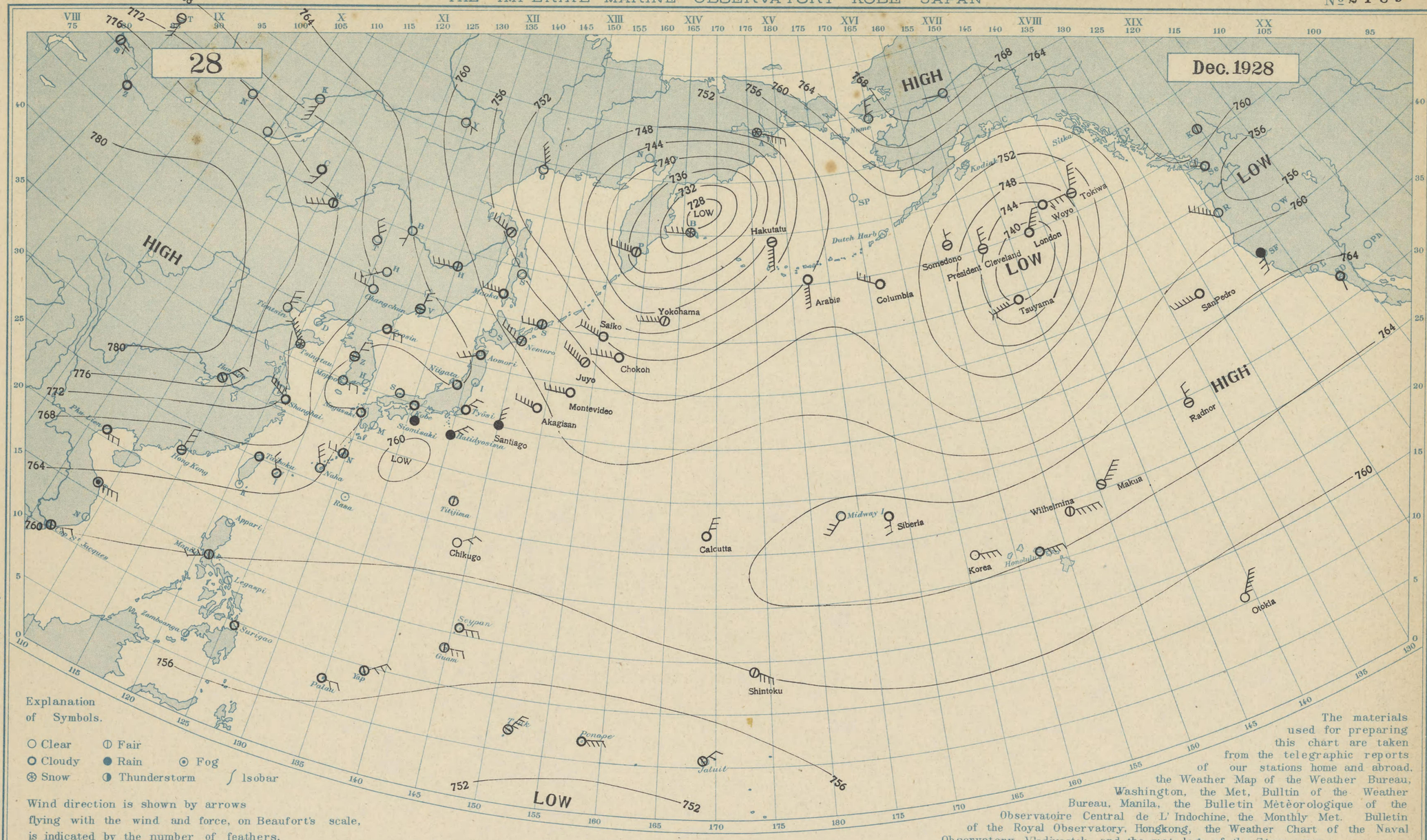
發行人發行所 印刷人販賣所 神戸市中山手通七丁目 海洋氣象臺

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

№2189



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.)	766.5	764.0	763.8	762.4	762.8	763.2	762.3	762.3	764.1	763.7	759.6	757.2	763.5	764.8	768.0	774.9	770.0
Air Temperature (in C)	21.7	21.3	11.1	10.7	7.4	8.6	10.0	21.2	4.8	-0.9	-2.4	-4.7	7.5	1.2	-12.0	-3.8	-2.9
Direction and Force of Winds (0-12)	- 1	NNW 3	- 1	- 1	- 1	NE 2	ENE 3	- 1	- 1	WSW 3	WNW 4	W 5	E 2	E 2	W 3	N 3	NW 7
Weather	cloudy	clear	fair	rain	cloudy	cloudy	rain	fair	cloudy	cloudy	fair	cloudy	clear	cloudy	clear	clear	snow

Station / Hour of Observation	Shanghai 12h, 135E	Hankow 12h, 135E	Rasa 12h, 135E	Palau 12h, 135E	Hongkong 16h,	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.)	772.4	778.4	-	757.2	766.1	*760.1	* 757.7	*757.9	* 757.5	* 766.9	754.8	756.0	764.0	764.5	765.0	753.9	752.8
Air Temperature (in C)	5.3	4.6	-	27.9	22.	30.	26.	-	-	22.	28.0	27.5	22.	21.	-18.	-6.	-1.
Direction and Force of Winds (0-12)	WNW 5	NE 3	-	E 2	N 3	WSW 3	calm	E 3	ENE 3	E 3	NE 4	ENE 2	E 4	SW 3	N 3	calm	NW 3
Weather	cloudy	fair	-	cloudy	fair	fair	cloudy	fair	fair	cloudy	fair	fair	cloudy	clear	clear	fair	clear

昭和三年一二月二八日　北太平洋天氣圖　第二一八九號

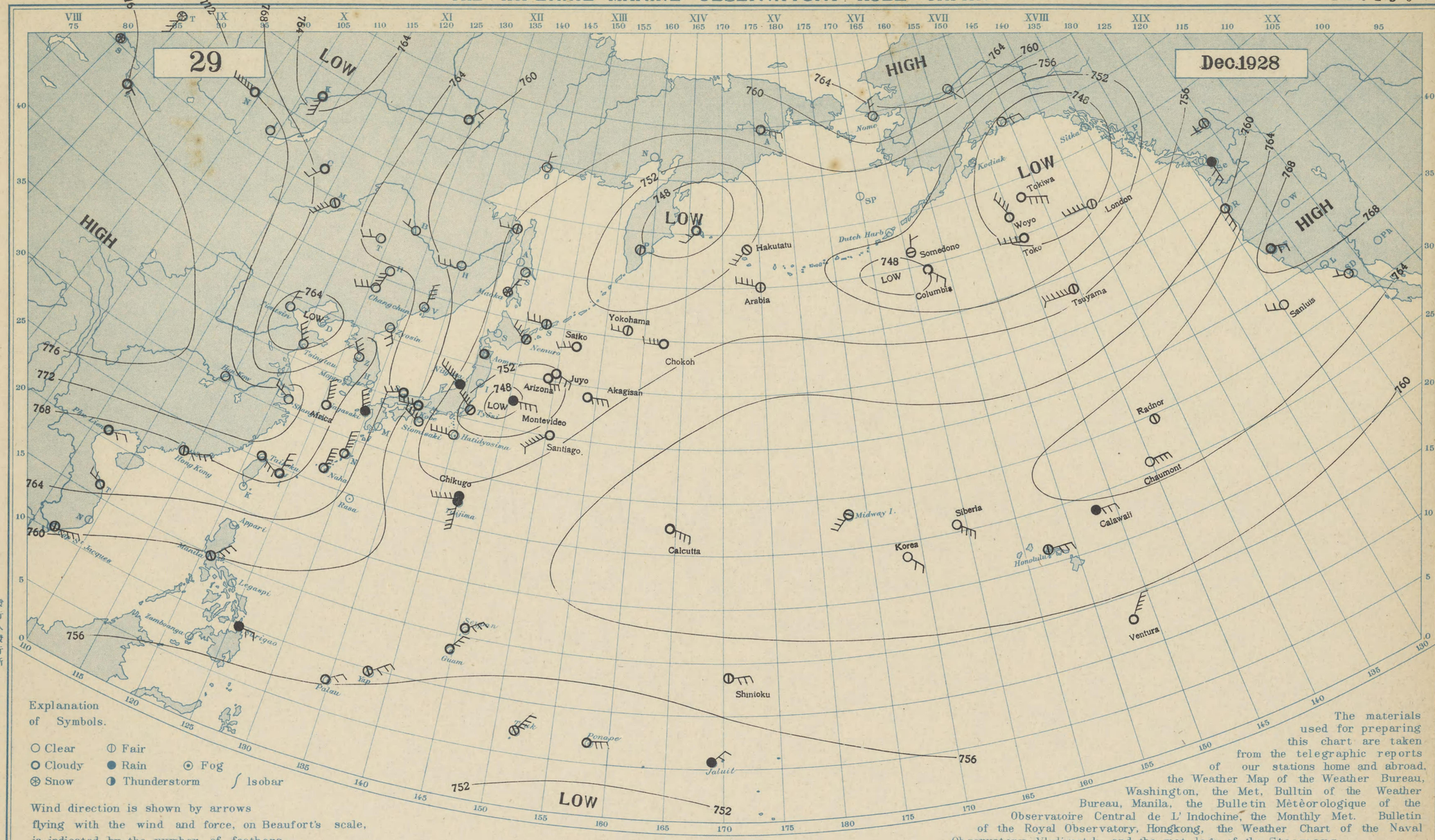
發行人　印刷人　販賣所　神戸市中山手通七丁目　海洋氣象臺

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY. KOBE JAPAN

№ 2190



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, 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.)	770.0	766.8	766.4	758.4	760.0	749.7	753.3	757.6	754.7	753.7	752.8	754.9	768.4	764.2	766.8	763.0	763.1
* not reduced to Strd. Gr.	13.3	16.0	4.9	9.0	5.4	7.7	12.7	22.4	4.2	-1.8	-0.1	-7.2	3.3	-0.4	-8.6	-3.0	-2.6
Air Temperature (in C)	ESE 3	N 5	NNW 4	WNW 4	W 4	NW 5	W 5	S 5	WNW 7	calm	NW 3	NE 2	NNW 5	SSE 2	WSW 3	N 2	NNW 4
Direction and Force of Winds (0-12)	cloudy	cloudy	rain	clear	cloudy	fair	clear	clear	rain	cloudy	fair	snow	cloudy	clear	clear	clear	clear
Weather																	

Station / Hour of Observation	Shanghai 12h, 135E	Hankow 12h, 135E	Rasa 12h, 135E	Palau 12h, 135E	Hongkong 16h,	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.)	774.1	774.2	-	756.2	767.7	*759.7	* 757.6	*757.4	* 757.4	*767.1	754.5	755.9	763.0	762.0	763.5	753.4	754.9
* not reduced to Strd Gr.)	1.8	4.1	-	29.0	18.	28.	26.	-	-	19.	27.0	25.2	21.	20.	-14.	0.	3.
Air Temperature (in C)	WNW 2	- 1	-	ENE 2	ENE 4	NE 3	E 2	NE 3	ENE 3	ENE 2	NE 4	ENE 2	E 3	SW 3	N 2	calm	calm
Direction and Force of Winds (0-12)	clear	clear	-	cloudy	fair	fair	rain	cloudy	fair	cloudy	fair	rain	fair	fair	clear	cloudy	cloudy
Weather																	

印刷人 神戸市中山手通七丁目 海洋氣象臺
發行人 發行所

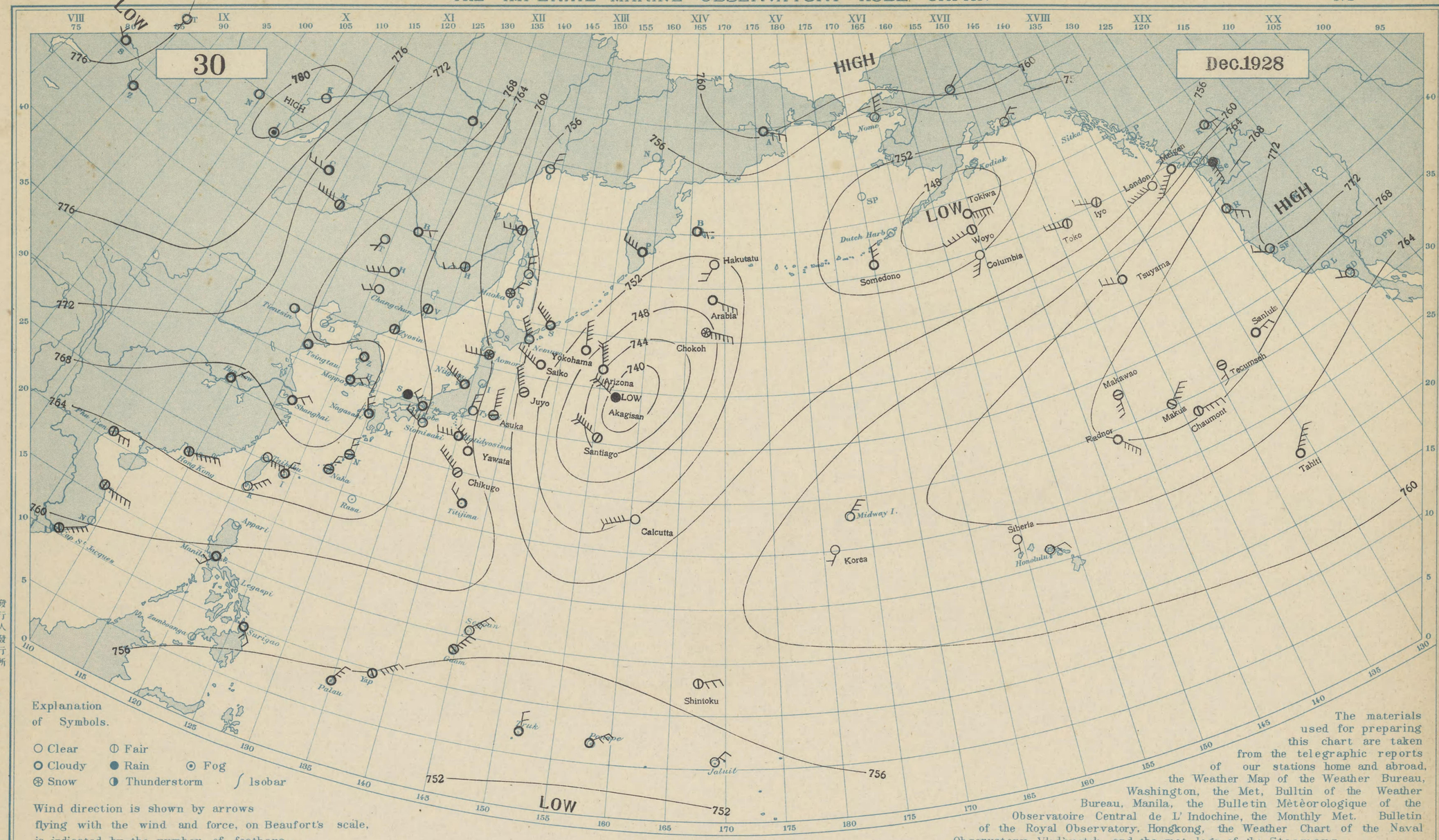
昭和三年一二月二九日 北太平洋天氣圖 第二一九〇號

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE, JAPAN

№ 2191



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.)	765.2	766.4	767.7	763.9	765.0	760.3	761.3	761.5	762.4	760.1	756.3	758.2	759.2	763.9	766.9	769.4	770.4
Air Temperature (in C)	21.7	17.3	8.4	8.4	6.9	7.3	9.3	18.3	4.1	-1.7	-3.0	-9.8	4.4	0.6	-8.0	-4.9	0.8
Direction and Force of Winds (0-12)	E 4	NNE 2	NNW 2	WNW 4	NW 2	N 2	W 4	NW 2	WNW 5	W 4	NNW 4	NE 2	ENE 2	- 1	WSW 2	- 1	- 1
Weather	clear	fair	cloudy	fair	cloudy	clear	cloudy	cloudy	cloudy	snow	clear	snow	cloudy	fair	clear	clear	cloudy

Station / Hour of Observation	Shanghai 12h, 135E	Hankow 12h, 135E	Rasa 12h, 135E	Palau 12h, 135E	Hongkong 16h,	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.)	769.2	767.2	-	755.7	765.0	*759.2	* 757.5	*757.3	* 756.8	* 763.6	754.9	755.5	762.0	762.5	755.4	745.7	744.2
Air Temperature (in C)	5.2	4.2	-	29.6	17.	21.7	26.	-	-	21.	27.2	28.8	22.	19.	-16.	1.	-2.
Direction and Force of Winds (0-12)	ENE 2	NE 2	-	NE 3	ENE 6	SW 2	SE 2	NE 4	ENE 5	E 3	N 2	NE 2	W 2	NE 3	N 4	calm	N 4
Weather	cloudy	cloudy	-	cloudy	fair	cloudy	cloudy	fair	fair	fair	cloudy	clear	clear	clear	clear	snow	clear

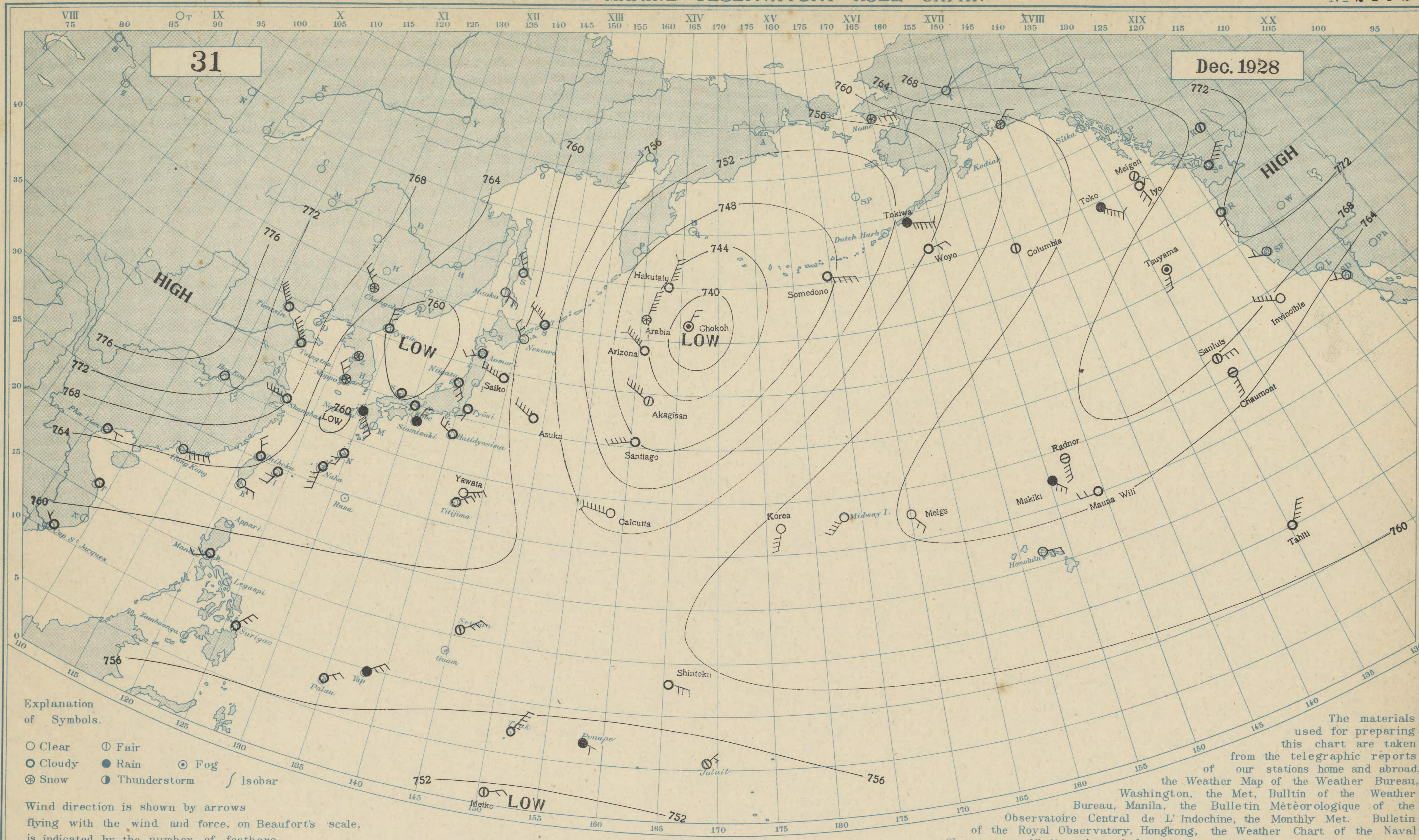
發行人 發行所 神戸市中山手通七丁目 海洋氣象臺
印刷人 販賣所

DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

Nº 2192



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.)	764.3	762.8	760.7	761.8	761.7	761.9	762.2	762.4	760.9	760.8	759.7	760.8	762.9	759.4	765.6	774.5	769.7
Air Temperature (in C)	20 9	20.8	8.7	8.8	5.8	8.3	12.7	20.2	2.6	0.6	-3.4	-9.5	1.2	-0.4	-12.7	-2.8	-1.9
Direction and Force of Winds (0-12)	NNW 2	S 4	SE 5	NNE 2	- 1	SSW 1	WNW 2	ENE 2	SSE 3	WSW 2	NNW 2	ESE 3	NW 2	N 3	NW 3	N 3	NW 6
Weather	cloudy	cloudy	rain	rain	cloudy	cloudy	cloudy	cloudy	cloudy	cloudy	clear	clear	snow	cloudy	snow	clear	cloudy

Station / Hour of Observation	Shanghai 12h, 135E	Hankow 12h, 135E	Rasa 12h, 135E	Palau 12h, 135E	Hongkong 16h,	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.)	768.0	774.3	-	756.6	764.5	*759.9	*757.5	* -	*757.3	*764.5	754.7	757.2	763.0	761.0	756.9	749.3	752.8
Air Temperature (in C)	5.0	5.2	-	28.2	21.	28.	21.8	-	-	21.	27.0	27.9	22.	21.	-9.	-2.	1.
Direction and Force of Winds (0-12)	W 5	- 1	-	ENE 2	ENE 5	WSW 2	NE 3	-	ENE 3	E 1	NE 5	ENE 1	E 2	SW 4	E 4	calm	calm
Weather	cloudy	clear	-	cloudy	clear	cloudy	cloudy	-	rain	cloudy	cloudy	fair	clear	clear	snow	clear	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

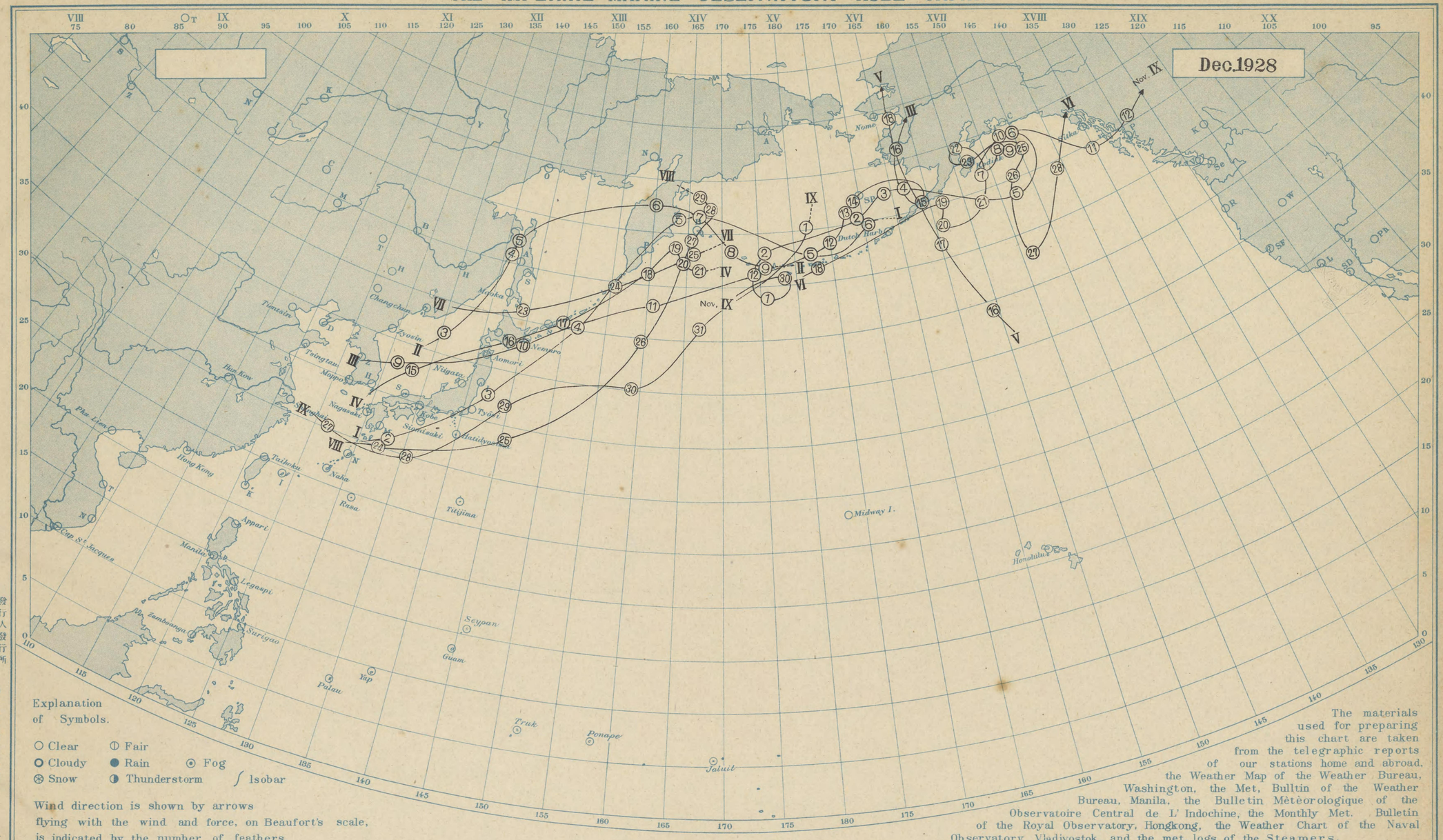
DAILY WEATHER CHART OF THE NORTH PACIFIC OCEAN

(Noon of the meridian of 135° E.)

THE IMPERIAL MARINE OBSERVATORY KOBE JAPAN

Appendix; Track of Cyclones

No



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																	

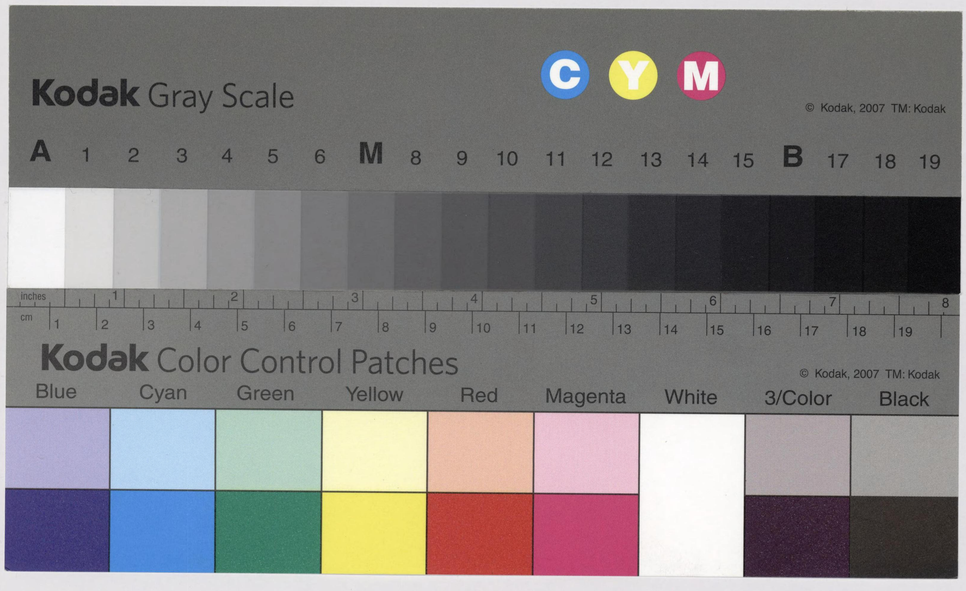
北太平洋天氣圖　附錄　低氣壓經路　昭和三年一二月　日　　第　號

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

昭和四年九月六日發行
昭和四年九月二日印刷

不許複製

印刷所　海洋氣象臺
印刷者　海洋氣象臺
發行兼　神戶市中山手通七丁目
　　海洋氣象臺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