

OCEAN GALES AND STORMS, JANUARY 1935

Table with columns: Vessel, Voyage (From/To), Position at time of lowest barometer (Latitude/Longitude), Gale began January, Time of lowest barometer January, Gale ended January, Low est barometer (Inches), Direction of wind when gale began, Direction and force of wind at time of lowest barometer, Direction of wind when gale ended, Direction and highest force of wind, Shifts of wind near time of lowest barometer.

1 Position approximate.

2 Barometer uncorrected.

* December.

OCEAN GALES AND STORMS, JANUARY 1935—Continued

Vessel	Voyage		Position at time of lowest barometer		Gale began January—	Time of lowest barometer January—	Gale ended January—	Lowest barometer	Direction of wind when gale began	Direction and force of wind at time of lowest barometer	Direction of wind when gale ended	Direction and highest force of wind	Shifts of wind near time of lowest barometer
	From—	To—	Latitude	Longitude									
NORTH PACIFIC OCEAN													
Yeio Maru, Jap. S. S.	Los Angeles	Tokuyama	33 11 N.	154 33 E.	11	4p, 11	11	29.26	WSW	SW, 7	WNW	W, 9	SW - WSW - WNW
Tahoe, Br. S. S.	Yokohama	Los Angeles	39 00 N.	162 30 E.	11	2p, 12	13	28.76	E	Var. 3	WNW	WNW, 11	ESE-E-NW
Olympia, Am. S. S.	Tacoma	Yokohama	46 35 N.	154 32 E.	11	Mdt, 11	14	29.36	S	S, 8	NW	NW, 9	SSE-S-WSW
Golden Hind, Am. S. S.	Dsingtai	San Francisco	44 17 N.	163 12 E.	13	6p, 13	15	28.59	W	W, 12	SW	W, 12	NW-W
City of Victoria, Br. S. S.	Dairen	Vancouver	45 02 N.	154 02 E.	12	Noon, 14	15	28.89	NNW	NW, 8	WNW	NW, 9	NNW-NW
Pres. Grant, Am. S. S.	Seattle	Yokohama	47 01 N.	163 30 E.	13	4a, 14	15	28.08	ESE	NW, 5	NW	E, 11	NE-NW
Pres. Jackson, Am. S. S.	Yokohama	Victoria, B. C.	42 20 N.	157 10 E.	13	6a, 15	16	29.52	N	WNW, 9	WNW	W, 10	None
Mala, Am. S. S.	New Westminster	Honolulu	47 48 N.	126 06 W.	16	3p, 16	17	29.38	W	W, 7	WNW	W, 8	None
Michigan, Am. S. S.	Oturu, Japan	San Francisco	44 38 N.	150 05 E.	16	2p, 17	18	28.59	NE	NNE, 8	W	NE, 9	NE-N
Seattle, Am. S. S.	Seattle	Yokohama	50 01 N.	178 35 E.	17	4a, 19	19	29.37	SSE	S, 8	S	SSE, 9	SSE-S-WSW
Michigan, Am. S. S.	Oturu, Japan	San Francisco	48 07 N.	162 52 E.	19	10p, 19	21	28.16	NE	SE, 11	SSW	SE, 11	E-SE-S
Seattle, Am. S. S.	Seattle	Yokohama	49 06 N.	172 45 E.	20	2p, 20	20	28.88	E	E, 8	SW	WSW, 9	ESE-E-WSW
Kentucky, Am. S. S.	Dairen	Los Angeles	41 17 N.	158 50 E.	19	Noon, 19	22	29.22	N	N, 8	NNW	NW, 9	NNE-N-NW
Gen. M. H. Sherman, Am. S. S.	Hilo, Hawaii	do	28 18 N.	138 06 W.	20	3a, 21	20	29.80	SSE	SSE, 7	SSE	SSE, 8	SSE-S
Astoria, Am. S. S.	San Francisco	Portland, Ore.	44 06 N.	124 24 W.	21	4p, 21	21	30.06	SE	SSE, 9	SSE	SSE, 9	SE-SSE
Georgian, Am. S. S.	Balboa	Balboa	13 55 N.	95 55 W.	22	7a, 22	23	29.94	NNE	NNE, 10	N	NNE, 10	NNE-N
Juyo Maru, Jap. S. S.	Muroran	Coos Bay, Ore.	42 22 N.	141 01 E.	22	6a, 22	24	29.10	NW	NW, 5	WNW	WNW, 9	SW-NW
Malolo, Am. S. S.	Honolulu	Honolulu	25 50 N.	147 24 W.	23	5a, 23	23	29.55	S	SW, 8	WSW	WSW, 8	S-SW-W
Mariposa, Am. S. S.	Honolulu	Los Angeles	25 45 N.	145 40 W.	23	6a, 23	23	29.60	S	S, 7	S	S, 8	None
Heian Maru, Jap. M. S.	Yokohama	Vancouver	38 54 N.	146 54 E.	23	10p, 23	24	29.51	W	W, 9	W	W, 9	None
Soyto Maru, Jap. M. S.	Los Angeles	Balboa	14 35 N.	95 53 W.	23	4p, 23	24	29.88	NE	NE, 6	NNW	NNE, 8	ENE-NE-N
Santos Maru, Jap. M. S.	Balboa	Los Angeles	14 23 N.	94 33 W.	23	Mdt, 23	24	29.92	NE	N, 7	N	NE, 9	NE-N
Everett, Am. S. S.	Manila	do	35 00 N.	170 42 W.	27	1p, 27	27	29.06	W	WNW, 10	NW	WNW, 10	None
Hauraki, Br. M. S.	Samoa	Vancouver	36 54 N.	139 19 W.	27	4p, 27	28	29.26	S	S, 8	SW	SW, 9	S-SSW
Susan V. Luckenbach, Am. S. S.	Balboa	Los Angeles	14 27 N.	96 27 W.	27	4a, 28	28	30.18	NNE	NE, 7	NE	NE, 8	Steady
Malko, Am. S. S.	San Francisco	Honolulu	28 30 N.	145 30 W.	28	10a, 28	28	29.54	SW	SW, 8	WSW	WSW, 10	SW-WSW
Tosari, Du. M. S.	Manila	Los Angeles	32 58 N.	154 43 W.	26	4a, 27	30	29.09	WSW	WSW, 6	S	WSW, 10	WSW-W
Asama Maru, Jap. M. S.	Honolulu	San Francisco	29 06 N.	144 32 W.	28	Noon, 28	29	29.57	W	W, 7	W	W, 8	SSW-W
Hauraki, Br. M. S.	Honolulu	Vancouver	41 27 N.	134 30 W.	28	Mdt, 28	30	28.98	SE	SE, 7	SSE	SSE, 11	SE-SSE
City of Victoria, Br. S. S.	Dairen	do	49 14 N.	138 26 W.	29	7a, 29	29	28.30	NE	FSE, 7	SSE	SE, 10	NE-SE
Michigan, Am. S. S.	Oturu, Japan	San Francisco	46 44 N.	145 41 W.	29	Noon, 29	29	28.48	NNW	NW, 9	W	NW, 9	N-NW-W
City of Elwood, Am. M. S.	Balboa	Los Angeles	13 50 N.	95 15 W.	30	5a, 30	30	29.97	N	N, 8	NNE	N, 8	N-NNE
Malko, Am. S. S.	San Francisco	Honolulu	25 34 N.	150 58 W.	29	8a, 30	30	29.65	SW	S, 7	NW	SW, 9	S-SW
City of Victoria, Br. S. S.	Dairen	Vancouver	49 18 N.	131 51 W.	31	4a, 31	31	29.34	SE	SE, 7	SE	SE, 8	None
Malko, Am. S. S.	San Francisco	Honolulu	22 36 N.	155 30 W.	31	2p, 31	31	29.72	WNW	WSW, 8	WSW	WSW, 8	None
Jeff Davis, Am. M. S.	Kelung, Formosa	Los Angeles	33 59 N.	145 58 E.	31	8a, 31	**1	29.45	SSW	SSW, 8	NW	WNW, 10	SSW-W
San Diego Maru, Jap. M. S.	Kobe	do	37 10 N.	149 51 E.	31	4p, 31	**1	28.90	SSE	WSW, 10	NW	W, 10	SSE-WSW-W
Tatsuno Maru, Jap. S. S.	Oturu, Japan	do	42 18 N.	160 46 E.	31	8a, 1**	**1	28.67	ESE	ENE, 3	NNW	ESE, 9	ESE - ENE - NNW

¹ Position approximate.

² Barometer uncorrected.

** February

NORTH PACIFIC OCEAN, JANUARY 1935

By WILLIS E. HURD

Atmospheric pressure.—The pressure situation on the North Pacific during January 1935 was in some respects unusual. On the average the entire Aleutian region and a huge area of the sea to the southward was dominated by cyclonic activity. At the Alaskan island stations the barometer was about 0.1 inch above the normal, while at Midway Island and Honolulu, it was about the same amount below, thus indicating the south-reaching effect of the great mid-ocean cyclones. The longitudinal extent of the depressed region was ocean wide, particularly between 40° and 50° north latitude, where abnormally low pressures extended from coast to coast.

The anticyclone off the California coast was much restricted in area and extended southwestward only about half the distance to the Hawaiian Islands.

In Asiatic waters the effects of the continental anticyclone extended eastward to the Ogasawara Islands and southward to the Philippines. The result was that at Manila the average pressure, 29.94 inches, was 0.05 above the normal. At Guam, where the normal winter pressure is practically the same as that at Manila, the January average in 1935 was 29.83 inches, or 0.11 inch lower than at Manila.

TABLE 1.—Averages, departures, and extremes of atmospheric pressure at sea level, North Pacific Ocean, January 1935, at selected stations

Stations	Average pressure	Departure from normal	Highest	Date	Lowest	Date
Point Barrow	30.17	+0.09	30.82	15, 22	28.98	9
Dutch Harbor	29.66	+0.08	30.46	10	28.96	4
St. Paul	29.65	+0.02	30.20	19	28.62	4
Kodiak	29.68	+0.09	30.56	11	28.72	27
Juneau	29.88	-0.00	30.60	17	29.03	5
Tatoosh Island	29.86	-0.12	30.33	20	29.29	18
San Francisco	30.07	-0.04	30.48	21	29.61	9
Mazatlan	29.95	-0.00	30.04	30	29.86	14
Honolulu	29.92	-0.08	30.13	6	29.68	23
Midway Island	29.92	-0.11	30.16	9	29.62	10
Guam	29.83	-0.07	29.92	7, 8	29.72	29
Manila	29.94	+0.05	30.06	25	29.82	14
Hong Kong	30.09	-0.00	30.28	24	29.87	14
Naha	30.10	+0.02	30.32	23	29.80	14
Chichishima	30.01	-0.00	30.18	25	29.58	15
Nemuro	29.86	-0.00	30.24	2	29.16	21

NOTE.—Data based on 1 daily observation only, except those for Juneau, Tatoosh Island, San Francisco, and Honolulu, which are based on 2 observations. Departures are computed from best available normals related to time of observation.

Cyclones and gales.—The western half of the North Pacific was unusually stormy during much of January, and on a third of the days of the month gales of the higher forces (11 to 12) occurred over the region from the central Aleutians southwestward to Japan, and as far south—