

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP

MILLER FREEMAN

DAY

Sunday

DATE

11 APRIL 1998
96

TIME ZONE

+8

TIME	POSITION (Lat. and Long.)	PRESENT WEATHER	VISIBILITY (N.M.)	WIND		SEA WAVE HEIGHT (Ft.)	SWELL WAVES		SEA WATER TEMP. °C	SEA LEVEL PRESSURE (mb)	TEMPERATURE °C	
				DIR. (True)	SPEED (Kts.)		DIR. (True)	HEIGHT (Ft.)			DRY BULB	WET BULB
01	57°46.33'N 150°04.26'W	CL	10	240	13	—	—	—	4.0	986	4.0	3.0
02	57°45.80'N 150°04.14'W	C	10	287	22	—	—	—	2.7	986.5	3.0	2.0
03	57°44.43'N 150°04.53'W	C	10	293	21	—	—	—	3.0	986.5	3.0	2.0
04	57°44.1'N 150°03.7'W	CL	12	282	17	3-4	230	5-7	3.4	986.2	2.9	2.5
05	57°44.1'N 152°01.8'W	CL	12	270	12	1-2	295	3-4	3.9	986.1	3.1	2.1
06	57°44.01'N 152°07.9'W	CL	12	280	13	1-2	150	3-4	3.3	986.2	2.9	2.3
07	57°43.91'N 152°14.9'W	CL	12	291	13	2-3	135	3-4	3.1	986.2	2.8	2.6
08	57°43.51'N 152°19.4'W	PC	12									
09												
10												
11												
12												
13												
14												
15												
16												
17	57°43.51'N 152°19.4'W	PC	12	270	17	2-3	—	—	2.9	988.2	4.8	1.6
18	57°43.21'N 152°16.5'W	PC	12	265	18	2-3	—	—	3.2	988.5	2.5	0.0
19	57°42.51'N 152°10.4'W	PC	12	267	15	2-3	100	2-3	3.2	988.9	3.0	1.5
20	57°34.3'N 152°06.0'W	PC	10	245	12	2-3	360	3-4	3.1	989.1	3.2	0.4
21	57°22.6'N 152°10.1'W	PC	10	265	16	2-3	220	8-10	3.2	989.1	2.5	0
22	57°13.3'N 152°25.4'W	PC	10	265	19	2-3	220	10-12	3.1	989.5	2.5	0
23	57°06.8'N 152°36.8'W	OC	10	257	23	—	—	—	4.5	991.5	1.9	0
24	57°06.98'N 152°51.54'W	PC	10	263	34	—	—	—	3.88	993.5	1.0	0

REMARKS

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP	DAY	DATE	TIME ZONE
MILLER FREEMAN	Tuesday	13, APRIL	+5

TIME	POSITION (Lat. and Long.)	PRESENT WEATHER	VISIBILITY (N.M.)	WIND		SEA WAVE HEIGHT (Ft.)	SWELL WAVES		SEA WATER TEMP. °C	SEA LEVEL PRESSURE (mb)	TEMPERATURE °C	
				DIR. (True)	SPEED (Kts.)		DIR. (True)	HEIGHT (Ft.)			DRY BULB	WET BULB
01	55°31.60' N 160°14.71' W	PC	10	339	15	—	—	—	1.8	1004	1.8	1.0
02	55°26.23' N 160°37.16' W	PC	10	286	12	—	—	—	1.7	1004.8	2.0	0.0
03	55°23.14' N 160°58.61' W	PC	10	326	17	—	—	—	1.8	1005.0	1.0	-0.5
04	55°18.61' N 161°02.41' W	PC	12	346	28	3-5	285	2-4	1.8	1005.9	-0.8	-1.1
05	55°15.41' N 161°42.61' W	CL	12	020	22	3-5	285	2-4	1.4	1007.2	-2.2	-2.0
06	55°07.01' N 161°55.91' W	PC	12	334	17	3-5	—	—	1.4	1008.4	-0.5	-1.8
07	55°00.41' N 162°05.61' W	CL	12	012	7	1-2	250	1-2	1.2	1008.6	-0.5	-2
08	54°57.81' N 162°27.41' W	OC	6	336	28	4-5	380	2-3	0.9	1010.1	-1.9	-2.5
09	54°51.81' N 162°40.71' W	PC	10	320 ¹³	20	4-5	—	—	1.3	1011.2	2.1	-3.0
10	54°41.61' N 162°56.51' W	PC	10	351	20	4-5	—	—	1.8	1012.1	-1.1	-2.1
11	54°36.11' N 163°12.51' W	PC	10	356	30	5-6	—	—	1.9	1012.8	-1.2	-2.0
12	54°31.40' N 163°40.41' W	PC	10	331	29	3	335	3	2.0	1014.0	0.0	-0.5
13	54°27.14' N 164°23.03' W	PC	10	335	30	5	332	4	1.9	1005	0.5	-0.5
14	54°25.27' N 164°14.62' W	PC	10	347	28	5	347	5	2.1	1016	-4.5	-5.0
15	54°20.23' N 164°04.96' W	PC	15	354	23	3	355	7	2.2	1016.9	-3.0	-4.2
16	54°03.61' N 165°13.71' W	CL	12	354	19	3-5	310	6-8	2.5	1017.1	1.9	-3
17	54°56.61' N 165°013.71' W	SW	12	005	17	3-5	000	5-7	2.2	1018.1	-2.1	-3.1
18	54°44.51' N 165°15.41' W	PC	12	317	16	3-5	320	5-7	2.1	1018.4	-1.2	-1.0
19	54°55.44' N 165°28.47' W	PC	12	330	18	3-5	320	5-7	2.3	1018.5	-2.5	-3.5
20	54°55.51' N 165°28.71' W	PC	10	329	14	3-5	90	5-7	2.2	1019.2	1.9	2.0
21	54°56.79' N 165°07.36' W	PC	10	330	15	3-5	110	4-5	2.1	1019.9	1.9	1.8
22	55°04.26' N 165°01.56' W	PC	10	345	10	2-3	90	4-5	2.1	1020	3.4	-3.3
23		RS/SW	10	333	10	2-3	40	4-5		1021	-3.5	-3.0
24	55°11.14' N 164°40.73' W	PC/SW	10	333	10	2-3	40	4-5	1.9	1021	-3.5	-3.0

REMARKS

1305 SW

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP	DAY	DATE	TIME ZONE
MILLER FREEMAN	wednesday	14 APRIL	+8

TIME	POSITION (Lat. and Long.)	PRESENT WEATHER	VISIBILITY (N.M.)	WIND		SEA WAVE HEIGHT (Ft.)	SWELL WAVES		SEA WATER TEMP. °C	SEA LEVEL PRESSURE (mb)	TEMPERATURE °C	
				DIR. (True)	SPEED (Kts.)		DIR. (True)	HEIGHT (Ft.)			DRY BULB	WET BULB
01	55°17.20'N 164°19.41'W	C	10	334	10	—	—	—	1.9	1021.0	-3.5	-3.0
02	55°20.69'N 164°08.71'W	SW	2	322	9	—	—	—	1.9	1021.0	-4.0	-4.0
03	55°25.71'N 163°56.11'W	SW SW	2	328	15	—	—	—	1.9	1020.0	-4.0	-4.0
04	55°31.22'N 163°33.20'W	PC	8	335	8	1-2	285	3-5	1.7	1020.9	-4.1	-4.1
05	55°38.31'N 163°39.81'W	5/8 PC	12	000	10	1-2	285	3-5	1.7	1020.9	-2.9	-3.0
06	55°44.85'N 163°45.65'W	PC	10	012	10	1-2	285	3-5	1.6	1020.9	-2.1	-2.1
07	55°49.01'N 163°49.51'W	CL	12	355	9	1-2	285	3-5	1.6	1020.9	-2.0	-2.0
08	55°55.5'N 163°56.5'W	OC	10	352	14	1-2	280	3-4	1.4	1021.8	-3.0	-3.0
09	56°05.2'N 164°05.6'W	OC	10	358	12	1-2	290	3-4	1.2	1021.1	-3.5	-3.2
10	56°16.5'N 164°08.4'W	OC	10	325	8	1-2	180	3-4	1.0	1021.3	-5.1	-5.0
11	56°25.9'N 164°03.4'W	OC	10	3	15	1-2	190	3-4	1.6	1021.8	-5.2	-5.1
12	56°35.3'N 163°58.6'W	CL	10	0060	11.9	3	9.10	2	0.0	1023.1	-1.0	-1.0
13	56°41.30'N 163°57'W	CL	10	19.0	7	2		3	0.0	1022.0	-1.0	0
14	56°53.4'N 163°54.2'W	CL	10	340	7.3	2	340	2	-0.0	1022	-7.0	-7.0
15	56°50.70'N 164°00.62'W	CL	10	358	6.5	2	350	2				
16	56°52.75'N 164°04.21'W	CL	10	357	3	2	350	2	-0.1	1021.1	-6.3	-6.1
17	56°52.7'N 164°03.2'W	C	12	090	4	0	280	3-5	-0.7	1021.0	0.5	0.0
18	56°52.7'N 164°02.6'W	C	12	060	4	0	270	3-5	-0.6	1019.9	-0.1	-1.9
19	56°56.0'N 164°02.0'W	C	12	050	4	0	270	2-3	-0.6	1019.5	-5.6	-5.6
20	57°01.3'N 164°12.4'W	C	12	085	5	0	270	2-3	-0.2	1018.3	-3.0	-5.2
21	56°53.9'N 164°13.4'W	CL	10	145	5	0	220	2-3	-0.2	1018.1	-6.5	-7.5
22	56°46.7'N 164°14.7'W	CL	10	121	9	1-2	270	2-3	-0.2	1017.1	-5.9	-6.8
23	56°41.02'N 164°17.1'W	PC	10	130	12	1	—	2-3	-0.2	1016.1	-5.3	-5.4
24	56°20.93'N 164°23'W	CL	10	185	16	4	150	1-2	0.8	1015	-4.0	-4.0

REMARKS

0150 SW 0240 SW

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP	DAY	DATE	TIME ZONE
MILLERFREEMAN	THURSDAY	15 APRIL	+8

TIME	POSITION (Lat. and Long.)	PRESENT WEATHER	VISIBILITY (N.M.)	WIND		SEA WAVE HEIGHT (Ft.)	SWELL WAVES		SEA WATER TEMP. °C	SEA LEVEL PRESSURE (mb)	TEMPERATURE °C	
				DIR. (True)	SPEED (Kts.)		DIR. (True)	HEIGHT (Ft.)			DRY BULB	WET BULB
01	56°23.14'N 164°23'W	CL	10	134	20	3-4	—	—	1.0	1014.1	-2.5	-2.9
02	56°21.64'N 164°32.73'W	CL	10	134	18	3-4	—	—	0.7	1012.5	-2.5	-2.5
03	56°16.43'N 164°46.34'W	CL	10	150	20	5-6	—	—	1.6	1011.0	-1.5	-1.5
04	56°05.85'N 164°36.21'W	CL 8/8	12	135	25	5-7	135	2-4	1.1	1009.1	-1.9	-1.9
05	55°59.41'N 164°30.0'W	CL	12	128	29	4-6	135	2-4	1.2	1006.0	-1.0	-1.9
06	56°50.8'N 164°21.5'W	ZR	8	130	31	5-7	135	2-4	1.7	1004.0	-1.0	-1.0
07	55°42.6'N 164°14.0'W	ZR	5	130	30	5-7	135	3-5	1.8	1003.2	-0.8	-0.3
08	55°36.4'N 164°10.6'W	ZR	6	144	24	5-7	120	3-5	1.8	1001.1	.7	1
09	55°31.5'N 164°28.7'W	SP/RW	5	154	29	8-10	130	3-5	2.8	998.1	1.7	1.2
10	55°29.17'N 164°31.1'W	SP/RW	3	157	30	8-10	340	2-3	1.9	997.	1.4	1.6
11	55°41.6'N 164°44.6'W	SP/RW	3	145	31	8-10	320	4-5	2.8	995.1	2.3	2.1
12	55°41.6'N 164°46.5'W	CL LS-	5	187	28	8	150	5	1.5	994.5	2.0	2.0
13	55°42.8'N 164°52.8'W	CL LS-	1	151	24	6-8	180	6-8	1.4	993.5	2.5	2.5
14	56°02.24'N 165°03.24'W	CL S	2	150	26	5-6	183	6-8	0.9	992	3.0	2.5
15	56°04.36'N 165°10.38'W	CL	3	151	18	6-8	180	8-10	0.9	991.0	2.0	1.9
16	56°01.2'N 165°02.3'W	CL 8/8	2	150	14	4-6	150	6-8	.7	989.5	1.8	1.8
17	55°57.7'N 165°02.5'W	F	1/2	180	14	3-5	135	6-8	1.4	987.9	3.4	3.4
18	55°42.1'N 165°13.5'W	CL	10	10	10	3-5	190	6-8	1.8	986.5	2.6	2.3
19	55°04.1'N 165°13.5'W	CL	130	10	10	3-5	190	6-8	1.8	986.5	2.6	2.3
20	55°35.9'N 165°06.6'W	CL R	1	137	13	3-5	210	5-6	1.9	986.1	3.3	3.1
21	55°26.3'N 164°58.2'W	CL R	1	142	10	3-5	200	5-6	2.0	985.2	3.2	3.2
22	55°20.6'N 165°3.1'W	CL R	1	147	27	3-5	200	5-6	2.0	985.1	3.1	3.0
23	55°16.1'N 165°18.8'W	CL	2	200	18	3-5	200	5-6	2.0	986.1	3.3	3.2
24	55°23.8'N 165°25.8'W	CL	2	200	16	3-5	200	5-6	2.0	986.1	3.5	3.5

REMARKS

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP	DAY	DATE	TIME ZONE
MILLER FREEMAN	Friday 16, APRIL	16, APRIL	+8

TIME	POSITION (Lat. and Long.)	PRESENT WEATHER	VISIBILITY (N.M.)	WIND		SEA WAVE HEIGHT (Ft.)	SWELL WAVES		SEA WATER TEMP. °C	SEA LEVEL PRESSURE (mb)	TEMPERATURE °C	
				DIR. (True)	SPEED (Kts.)		DIR. (True)	HEIGHT (Ft.)			DRY BULB	WET BULB
01	55°20.8'N 166°23.6'W	CL	2	200	10	2	200	3	2.1	986.5	4.0	3.5
02	55°40.8'N 165°42.8'W	CL	1/2	/	17	2	/	3	1.4	986.5	3.0	3.0
03	55°49.8'N 165°51.4'W	F 1/2	1/2	186	22	/	/	3	1.8	986.5	3.0	3.0
04	55°53.2'N 166°02.5'W	R	1/2	202	18	4-6	230	5-7	1.9	986.6	2.9	2.9
05												
06												
07	55°42.7'N 166°12.8'W	CL	10	230	17	3-5	190	4-6	2.1	987.5	3.2	3.2
08	55°35.0'N 166°06.0'W	CL	10	213	17	3-5	180	4-5	2.1	989.2	3.1	3.0
09	55°21.8'N 165°54.2'W	CL	10	240	16	3-5	190	4	2.2	990.1	4.8	4.0
10	55°14.2'N 165°51.2'W	CL	10	246	17	3-5	290	4	2.2	992.0	5.0	4.1
11												
12	55°08.5'N 165°41.3'W	CL	10	264	10	3-5	234	3-5	2.0	995.0	7.0	5.0
13	55°10.4'N 165°31.4'W	CL	10	249	10	3-4	228	2-3	2.2	996.0	6.0	5.0
14	55°13.4'N 165°14.3'W	CL	10	232	10	2-3	232	3-4	2.1	996.5	7.5	5.5
15	55°07.1'N 164°55.4'W	CL	10	224	10	2-3	224	3-4	2.0	997.0	7.0	5.0
16	55°21.7'N 164°30.1'W	CL 8/10st	10	238	10	1-2	255	3-4	2.1	996.0	7.0	5.0
17	55°25.2'N 164°07.9'W	CL	10	240	6	1-2	255	3-4	2.0	997.2	7.1	5.1
18	55°26.7'N 163°56.4'W	CL	10	225	04	0-1	255	2-3	2.0	998.0	6.0	4.3
19	55°31.6'N 163°32.7'W	CL	8	308	05	1	250	3	1.9	998.8	5.1	4.1
20	55°31.6'N 163°32.8'W	CL	7	255	03	1	250	3	1.9	999.0	5.4	4.8
21	55°31.7'N 163°33.0'W	CL	6	220	02	<1	250	3	2.0	999.2	3.8	3.2
22	55°31.5'N 163°32.6'W	CL	6	250	02	<1	250	2-3	1.9	999.5	3.9	3.2
23	55°31.6'N 163°33.3'W	CL	5	284	02	<1	250	2	1.8	999.8	2.9	2.1
24	55°38.4'N 163°34.4'W	CF	1/2	189	08	<1	250	2	2.0	1000.0	3.0	2.5

REMARKS

301

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP		DAY		DATE		TIME ZONE						
MILLER FREEMAN		SATURDAY		17, APRIL		+8						
TIME	POSITION (Lat. and Long.)	PRESENT WEATHER	VISIBILITY (N.M.)	WIND		SEA WAVE HEIGHT (Ft.)	SWELL WAVES		SEA WATER TEMP. °C	SEA LEVEL PRESSURE (mb)	TEMPERATURE °C	
				DIR. (True)	SPEED (Kts.)		DIR. (True)	HEIGHT (Ft.)			DRY BULB	WET BULB
01	55° 44.7' N 163° 45.0' W	CL 8/8	5	300	03	<1	250	02	1.9	1000.1	3.0	2.5
02	55° 50.4' N 163° 44.2' W	CL	5	280	03	<1	250	02	2.0	1000.2	3.3	3.0
03	55° 54.5' N 163° 40.6' W	CL 8/8	5	030	06	<1	250	02	1.9	1000.2	2.4	2.0
04	55° 54.5' N 163° 44.7' W	F	1/2	035	04	<1	250	1-2	1.9	999.5	2.2	2.0
05	55° 54.6' N 163° 45.7' W	F	<1/2	080	05	<1	250	1-2	1.6	995.2	2.8	2.8
06	55° 54.6' N 163° 45.7' W	F	<1/2			<1	250					
07	55° 51.0' N 163° 24.0' W	F	<1/2	080	05	<1	250	1-2	1.6	995.2	2.8	2.8
08	55° 54.3' N 163° 25.3' W	F	5	28	3.5	<1	240	1-2	1.4	999.1	3.1	2.2
09	56° 10.8' N 163° 40.3' W	F	6	49	08	<1	230	2-3	1.3	999.1	3.1	2.7
10	56° 11.5' N 163° 49.0' W	F	6	76	11	1-2	240	5-6	1.4	999.1	3.2	3.0
11	56° 24.6' N 163° 54.4' W	F	5	83	11	1-2	240	5-6	1.1	999.2	3.8	3.0
12	56° 31.6' N 163° 00.5' W	CL	5	080	08	1-2	240	5-6	1.0	999.2	2.2	2.2
13	56° 31.6' N 163° 02.5' W	CL	5	080	07	1-2	237	3-4	0.2	999.5	3.0	2.0
14	56° 43.9' N 163° 03.9' W	CL L	5	090	12	1-2	240	3-5	-0.3	999.5	1.5	1.0
15	56° 50.4' N 164° 01.6' W	CL L	5	096	14	1-2	237	3-5	-0.2	999.5	3.0	2.0
16	56° 56.3' N 164° 08.3' W	R	8	113	18	2-3	300	3-4	-0.3	999.1	3.0	2.0
17	56° 56.4' N 164° 10.2' W	R-S-	8	117	19	3-4	265	4-6	-0.5	999.1	0.8	0.3
18	56° 59.0' N 164° 02.9' W	CL 8/8	8	094	14	3-5	265	5-7	-0.4	998.9	.2	.1
19	56° 55.9' N 164° 05.4' W	CL 8/8	8	120	17	3-5	265	4-6	.1	998.9	1.1	1.0
20	56° 26.3' N 163° 43.7' W	CL 6/8	9	120	14	2-3	240	4-6	-0.7	998.9	1.5	1.1
21	56° 14.7' N 163° 33.3' W	CL 7/8	9	124	14	2-3	330	4-6	1.4	999.0	2.1	1.5
22	56° 04.0' N 163° 30.6' W	PC 4/8	10	120	15	2-3	310	4-6	1.2	999.4	2.1	1.2
23												
24	55° 51.22' N 163° 21.08' W	CL	10	155	10	2-3	N/6	4-6	1.67	1006.5	3.0	2.0
REMARKS												
21												

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP	DAY	DATE	TIME ZONE
MILLER FREEMAN	SUNDAY	18 APR '99	+8

TIME	POSITION (Lat. and Long.)	PRESENT WEATHER	VISIBILITY (N.M.)	WIND		SEA WAVE HEIGHT (Ft.)	SWELL WAVES		SEA WATER TEMP. °C	SEA LEVEL PRESSURE (mb)	TEMPERATURE °C	
				DIR. (True)	SPEED (Kts.)		DIR. (True)	HEIGHT (Ft.)			DRY BULB	WET BULB
01	55° 51.8' N 163° 22.35' W	C	10	160	11	21	N/O	N/O	1.7	1002.0	3.0	1.9
02	55° 48.2' N 163° 04.2' W	C	10	164	15	21			1.7	1002.0	2.0	1.5
03	55° 34.1' N 163° 36.1' W	C	10	227	06	21			1.4	1002.5	2.5	1.8
04	55° 02.7' N 163° 53.1' W	C	10	230	09	21		5	2.0	1002.5	3.0	2.0
05	55° 02.0' N 164° 03.5' W	C	10	215	06	21	235	5	2.0	1002.5	2.8	1.8
06	55° 02.4' N 164° 02.9' W	PC	10	Light	AIRS	21	235	5	2.1	1002.9	2.9	2.0
07	55° 02.7' N 164° 08.3' W	PC 3/8	10	175	05	21	235	5	1.9	1003.0	2.1	1.5
08	55° 31.7' N 163° 54.0' W	PC 4/8	10	27	05	21	230	4	1.5	1003.0	3.1	2.0
09	55° 27.3' N 164° 07.1' W	PC	10	095	02	21	250	4	1.9	1003.3	4.0	3.0
10	55° 26.7' N 164° 08.0' W	PC	10	035	08	1	250	3-4	2.0	1003.9	3.6	2.9
11	55° 26.8' N 164° 07.9' W	PC	10	020	09	1	265	4	2.0	1003.9	3.8	2.9
12	55° 26.6' N 164° 12.4' W	PC	10	020	10	1	270	4	2.1	1003.9	3.8	2.9
13	55° 24.8' N 164° 02.7' W	PC	10	018	11	1	270	4-6	2.1	1003.9	3.6	2.8
14	55° 21.15' N 164° 28.62' W	PC	10	020	10	1	270	3-4	2.1	1004.0	2.5	2.0
15	55° 05.7' N 164° 55.2' W	PC	10	024	11	1	270	3-4	2.6	1004.1	23.2	2.3
16	54° 05.8' N 165° 06.8' W	CL	10	030	10	2	260	5	2.4	1004.0	7.5	4.9
17	54° 04.9' N 165° 22.2' W	CL	10	025	10	2-3	260	5	2.9	1004.5	7.5	5.0
18	54° 40.6' N 165° 03.7' W	CL	10	000	14	2-3	260	5	2.6	1004.5	7.5	4.9
19	54° 30.7' N 165° 52.7' W	CL	10	010	12	2-3	260	5	2.8	1003.5	7.0	4.5
20	54° 22.6' N 166° 06.0' W	CL	10	008	14	2-3	250	3	3.1	1003.7	6.0	3.9
21	54° 13.7' N 166° 21.5' W	CL	10	005	12	2-3	260	3	3.2	1003.1	5.3	3.9
22												
23												
24	53° 54' N 166° 32' W	SW		030	08	4	N/O	N/O	N/A	1003.9	4.5	3.0

REMARKS

~~4~~ IN PORT DUTCH HARBOR