

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP		DAY	DATE	TIME ZONE
MILLER FREEMAN R223		TUESDAY	14 APRIL 198	+8

TIME	POSITION (Lat. and Long.)	PRESENT WEATHER	VISIBILITY (N.M.)	WIND		SWELL WAVE HEIGHT (Ft.)	SWELL WAVES		SEA TEMP. (°C)	SEA LEVEL (mb)	TEMPERATURE °C	
				DIR. (True)	SPEED (Kts.)		DIR. (True)	HEIGHT (Ft.)			DRY BULB	WET BULB
01												
02												
03												
04												
05												
06												
07												
08												
09												
10												
11												
12												
13												
14	53° 53.5'N 140° 32.0'W	PC	8	275	4	—	—	—	—	996.9	5.9	5.1
15	53° 56.9'N 140° 27.5'W	PC	8	300	8	2	—	—	4.2	997.1	6.8	6.2
16	54° 01.5'N 140° 23.2'W	SC	8	293	14	2	320	4-6	4.2	996.7	7.1	3.1
17	54° 12.2'N 140° 08.4'W	CL	8	283	17	2	320	4-6	3.9	997.5	3.4	3.0
18	54° 08.8'N 140° 53.4'W	PC	8	274	22	2	320	4-6	3.7	997	3.8	3.0
19	54° 29.5'N 140° 48.7'W	PC	8	298	16	2	320	4-6	3.7	997.2	2.7	2.3
20	54° 42.8'N 140° 42.8'W	PC	8	302	14	2	315	4-6	3.8	997.0	2.5	1.8
21	54° 49.1'N 140° 53.8'W	CL	8	285	12	2	315	4-6	3.6	997.0	2.0	1.6
22	54° 45.2'N 140° 45.4'W	CL	8	274	16	2	300	4-6	3.6	997.0	1.9	0.9
23	54° 44.9'N 140° 42.4'W	CL	6	290	18	2	310	4-6	3.6	997.0	1.7	1.1
24	55° 13.4'N 140° 54.7'W	CL	6	275	10	2	310	4-6	3.1	996.9	2.1	1.2

REMARKS 98-05B DEPART DH 1500 - TRANSIT

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP	DAY	DATE	TIME ZONE
MILLER FREEMAN	R 223	WEDNESDAY 15 APRIL 98	+8

TIME	POSITION (Lat. and Long.)	PRESENT WEATHER	VISIBILITY (N.M.)	WIND		SEA WAVE HEIGHT (Ft.)	SWELL WAVES		SEA WATER TEMP. (Ft.)	SEA PRESSURE (mb)	TEMPERATURE °C	
				DIR. (True)	SPEED (Kts.)		DIR. (True)	HEIGHT (Ft.)			DRY BULB	WET BULB
01	53° 23.0'N 163° 36.1'W	CL	8	275	14	2	310	4-6	3.1	996.8	1.9	1.6
02	55° 30.4'N 163° 16.3'W	CL	8	278	6	2	310	4-6	2.8	996.8	1.1	0.9
03	55° 36.8'N 162° 57.9'W	SW	54	283	11	2	310	4-6	2.7	996.9	1.5	0.9
04	55° 45.4'N 162° 27.5'W	SW	46	268	12	2	310	4-6	2.8	997.0	1.9	1.2
05	55° 50.7'N 162° 13.6'W	CL	46	272	11	2	310	4-6	2.8	997	1.3	1.0
06	55° 58.6'N 161° 58.6'W	CL	46	270	8	2	310	4-6	2.8	996.6	1.5	1.0
07	56° 03.4'N 161° 33.3'W	CL	46	277	07	2	310	4-6	2.4	996.5	1.3	.8
08	56° 04.2'N 161° 10.8'W	CL	46	245	6	2	310	4-6	2.2	996.6	1.9	1.5
09	56° 06.1'N 160° 54.7'W	CL	68	217	8	2	300	4-6	2.1	996.8	2.9	2.1
10	56° 08.5'N 160° 27.9'W	CL	68	214	8	2	300	4-6	2.0	996.8	3.8	2.7
11	56° 25.5'N 160° 15.4'W	CL	8	180	4	2	300	4-6	2.1	997.1	3.9	2.8
12	56° 25.5'N 160° 15.4'W	CL	8	VAR	2.4	2	300	4-6	1.9	997.3	3.1	2.2
13	56° 27.7'N 160° 37.9'W	CL	8	VAR	2.4	2	300	4-6	2.0	996.8	3.9	2.8
14	56° 29.4'N 160° 55.9'W	PC	10	050	6	2	300	4-6	2.3	996.6	9.8	6.5
15	56° 30.0'N 160° 59.9'W	PC	10	0	6	1	300	4-6	2.4	996.2	3.3	2.5
16	56° 30.1'N 161° 01.7'W	PC	10	075	6	1	300	6	2.5	995.9	1.9	1.9
17	56° 32.7'N 161° 21.7'W	PC	10	053	9	1	300	6-8	2.7	995.7	2.1	1.9
18	56° 36.5'N 161° 45.9'W	PC	10	057	12	1	300	6-8	2.5	995.3	2.2	1.9
19	56° 39.0'N 162° 04.9'W	PC	10	058	13	1	300	6-8	2.6	995.1	2.2	1.9
20	56° 40.9'N 162° 05.2'W	PC	10	058	14	1	300	6-8	2.4	994.8	2.3	1.9
21	56° 48.2'N 162° 25.6'W	PC	10	63	13	1	285	6-8	2.2	994.0	1.9	1.9
22	56° 50.8'N 162° 20.8'W	CL	10	52°	13	1	270	8-10	2.4	993.5	1.9	1.9
23	56° 55.3'N 162° 42.2'W	CL	8	51°	13	1	270	6-8	2.2	993.6	3.0	1.9
24	56° 55.9'N 163° 5.1'W	PC	0	060	12	1-2	270	6-8	2.3	996.0	2.3	1.2

REMARKS

98-05B

0018 SW SQUALL

0250 SW

1600 AIR TEMP FROM SCS, PORTSIDE IN SUN, AIR TEMP X 4.0

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP		DAY	DATE	TIME ZONE
MILLER FREEMAN		R 223	THURSDAY 16 APRIL 198	+8

TIME	POSITION (Lat. and Long.)	PRESENT WEATHER	VISIBILITY (N.M.)	WIND		SEA WAVE HEIGHT (ft.)	SWELL WAVES		SEA WATER TEMP. (°C)	SURFACE TEMP. (°C)	TEMPERATURE °C	
				DIR. (True)	SPEED (Kts.)		DIR. (True)	HEIGHT (ft.)			DRY BULB	WET BULB
01	56° 48.0' N 163° 51.5' W	PC	8	045	15	1-2	270	10-7	22.2	995.8	2.1	0.9
02	56° 43.8' N 163° 53.0' W	PC	8	055	17	2-3	270	6-7	2.3	995.4	2.0	1.6
03	56° 44.5' N 164° 00.0' W	CL	8	055	15	1-2	270	6-7	2.2	995.6	2.2	1.9
04	56° 46.0' N 164° 20.6' W	CL	8	050	12	1-2	270	6-7	2.2	995.8	1.2	0.9
05	56° 49.4' N 164° 02.8' W	CL	8	045	19	1-2	270	6-7	2.1	995.7	1.7	1.2
06	56° 52.3' N 164° 02.9' W	CL	8	032	12	1-2	270	6	1.9	995.3	0.5	0.4
07	56° 52.7' N 164° 03.3' W	CL	8	035	18	2	270	6	1.9	995.6	1.2	1.1
08	56° 52.2' N 164° 03.3' W	CL	8	030	18	2	270	6	1.9	995.6	1.1	1.0
09	56° 52.2' N 164° 03.5' W	CL	8	035	20	2-3	—	—	1.9	995.5	1.0	1.0
10	56° 55.3' N 164° 06.4' W	CL	2	040	20	3-4	—	—	1.9	995.6	1.9	1.9
11	57° 01.1' N 164° 12.0' W	CL	3-4	030	16	3-4	—	—	1.8	996.1	1.6	1.6
12	57° 01.2' N 164° 12.4' W	CL	5	030	20	3-4	—	—	1.8	996.1	0.8	0.7
13	56° 52.0' N 164° 04.1' W	CL	8	015	18	3-4	—	—	1.8	995.9	1.4	1.2
14	56° 51.7' N 164° 04.6' W	CL	8	035	13	3-4	—	—	1.9	995.9	3.2	3.0
15	56° 51.2' N 164° 05.6' W	CL	8	320	19	3-4	—	—	1.9	995.8	3.1	3.0
16	56° 49.3' N 164° 10.0' W	CL	8	050	18	3-4	—	—	2.0	995.5	1.2	1.0
17	56° 50.5' N 164° 07.5' W	CL	8	015	20	3-4	—	—	2.0	995.5	1.4	1.3
18	56° 41.1' N 164° 08.5' W	PC	8	018	16	3-4	—	—	2.0	995.8	1.9	1.5
19	56° 48.7' N 164° 06.3' W	CL	8	012	18	4-6	—	—	2.0	995.9	1.3	1.2
20	56° 50.8' N 164° 04.2' W	CL	8	010	22	4-6	350	4-6	2.0	995.9	0.9	0.7
21	56° 50.8' N 164° 04.4' W	CL	8	357	20	4-6	355	6-8	2.0	996.0	0.6	0.5
22	56° 51.6' N 164° 03.6' W	CL	8	000	23	4-6	355	6-8	2.0	995.9	0.4	0.4
23	56° 52.4' N 164° 03.0' W	CL	8	015	22	4-6	355	6-8	1.9	996.0	1.0	1.0
24	56° 58.2' N 164° 02.2' W	CL	8	010	21	3-4	355	6-8	1.9	995.7	1.5	1.1

REMARKS

98-058

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP	DAY	DATE	TIME ZONE
MILLER FREEMAN	R 223	FRIDAY 17 APRIL 98	+8

TIME	POSITION (Lat. and Long.)	PRESENT WEATHER	VISIBILITY (N.M.)	WIND		SWELL WAVES	SEA STATE (Ft.)	SEA TEMPERATURE (Ft.)	SEA PRESSURE (Ft.)	TEMPERATURE QC	
				DIR. (True)	SPEED (Kts.)					DRY BULB	WET BULB
01	56° 28.8' N 164° 13.1' W	CL	8	015	20	3-4	355	6-8	1.9	995.2	1.9 1.5
02	57° 00.3' N 164° 28.8' W	CL	8	007	21	3-4	355	6-8	1.7	995.3	2.2 1.7
03	57° 04.8' N 164° 47.4' W	CL	8	355	19	3-4	355	6-8	1.2	995.5	1.9 1.2
04	57° 06.8' N 164° 57.4' W	CL	8	347	24	3-4	355	6-8	1.2	996	-6 1.0
05	57° 13.2' N 165° 18.0' W	CL	8	342	26	3-4	355	6-8	.8	995.5	1.7 1.2
06	57° 18.5' N 165° 22.1' W	CL	8	340	28	3-4	355	6-8	.4	960	1.8 1.2
07	57° 22.4' N 165° 44.6' W	CL	8	000	19	3-4	355	6-8	.1	960.4	1.5 0.5
08	57° 25.7' N 165° 56.8' W	CL	8	005	25	3-4	355	8-10	0.0	997.2	20.2 0.5
09	57° 27.7' N 166° 12.3' W	CL	8	000	26	6	355	10	-0.2	997.2	-0.8 -1.0
10	57° 30.7' N 166° 34.2' W	CL	8	354	25	6	355	10-12	0.1	997.7	0.9 -1.1
11	57° 32.2' N 166° 43.6' W	CL	8	600	24	6-8	355	12	-0	998.8	-2.0 -2.2
12	57° 33.0' N 166° 46.1' W	CL	8	010	27	6	355	12	0.1	998.3	-1.1 -1.2
13	57° 35.1' N 167° 35.1' W	CL	8	020	30	6	355	12	0.9	999.2	-0.8 -1.0
14	57° 36.6' N 167° 28.4' W	CL	8	005	27	6	355	12-14	2.3	999.9	-6.0 -1.3
15	57° 38.0' N 167° 36.4' W	CL	6	000	35	6-8	350	16-18	2.6	1001.0	-2.3 -3.0
16	57° 41.4' N 167° 48.9' W	CL	6	000	32	6-8	350	16-18	2.4	1001	-1.3 -1.7
17	57° 44.7' N 168° 03.8' W	CL	6	323	31	6-8	350	16-18	.3	1001.6	-3.0 -2.3
18	57° 48.0' N 168° 17.5' W	CL	6	335	33	6-8	350	16-18	.3	1002.4	-1.6 -3.3
19	57° 46.9' N 168° 36.5' W	CL	6	348	30	6-8	350	16-18	-4	1003.2	-2.4 -3.2
20	57° 46.3' N 168° 57.4' W	CL	6	345	28	6-8	350	16-18	-4	1004.0	-3.9 -4.2
21	57° 50.7' N 169° 12.2' W	CL	6	345	31	6-8	350	16-18	-2	1004.5	3.7 -4.1
22	57° 55.1' N 169° 38.8' W	CL	6	350	30	6-8	340	16-18	-2	1005.0	-3.7 -4.1
23	57° 54.9' N 169° 49.8' W	CL	6	356	32	6-8	335	18-20	-3	1005.5	3.7 -4.3
24	58° 03.2' N 169° 43.1' W	CL	6	352	30	6	340	16-20	+1	1006.2	-3.8 -4.6

REMARKS

4805B

1616 CONDITIONS

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP		DAY	DATE	TIME ZONE
MILLER FREEMAN		R 223	SATURDAY 18 APR 98	+8

TIME	POSITION (Lat. and Long.)	PRESENT WEATHER	VISIBILITY (N.M.)	WIND		SEA WAVE HEIGHT (Ft.)	SWELL WAVES		SEA WATER TEMP. °C	SEA PRESSURE (mb)	TEMPERATURE °C	
				DIR. (True)	SPEED (Kts.)		DIR. (True)	HEIGHT (Ft.)			DRY BULB	WET BULB
01	38° 03.9' N 168° 42.8' W	CL	6	350	30	6-8	340	16-20	-0.8	1006.3	-4.0	-4.3
02	37° 59.3' N 168° 50.0' W	CL	6	359	22	6-8	340	16-20	.1	1006.3	-3.5	-3.8
03	38° 01.3' N 168° 52.9' W	SW/CL	6	352	23	6-8	340	16-20	.08	1007.1	-3.8	-4.3
04	38° 03.5' N 168° 58.7' W	CL	6	343	26	6-8	340	16-20	.6	1007.5	-3.6	-4.2
05	38° 03.4' N 168° 05.6' W	CL	6	329	29	6-8	340	16-20	-.4	1007.2	-3.0	-3.4
06	37° 54.1' N 168° 42.6' W	CL/CL	6	310	21	6-8	340	16-20	-1.1	1009	-3.1	-3.4
07	37° 53.4' N 168° 18.7' W	SW/CL	6	342	22	6-8	340	14-16	-0.2	1009.5	-4.3	-4.8
08	37° 57.9' N 167° 10.4' W	CL	6	337	24	6-8	340	14-16	-0.5	1010.0	-3.2	-3.6
09	37° 32.2' N 168° 01.3' W	L	6	340	24	8	340	14	-0.8	1010.4	-3.5	-3.5
10	37° 41.9' N 168° 08.4' W	CL	6	350	30	8	330	14	-0.4	1010.7	-4.6	-3.7
11	37° 52.1' N 168° 52.1' W	CL	6	335	26	6-8	340	12-14	-0.1	1011.1	-3.5	-3.5
12	37° 51.5' N 168° 51.4' W	CL	6	340	26	8	330	14-16	-0.1	1011.8	-3.1	-3.0
13	37° 52.2' N 168° 52.3' W	CL	6	330	30	8	330	14-16	-0.1	1012.1	-3.1	-3.0
14	37° 51.2' N 168° 51.8' W	CL	6	335	26	6-8	340	12-14	-0.06	1012.9	-3.7	-3.8
15	37° 51.2' N 168° 52.1' W	CL	6-8	325	25	6-8	340	10-12	-0.06	1013.5	-2.9	-3.0
16	37° 51.5' N 168° 50.0' W	CL	6-8	326	22	6-8	340	10-12	-0.1	1014	-3.1	-3.2
17	37° 50.9' N 168° 46.9' W	CL	6-8	315	25	6-8	340	10-12	-0.0	1013.5	-4.1	-4.3
18	37° 54.7' N 168° 47.6' W	CL	6-8	333	21	6-8	340	10-12	-0	1014.0	-4.2	-4.2
19	37° 58.3' N 168° 44.8' W	CL	6-8	321	21	6-8	340	10-12	-0.0	1014.3	-4.3	-4.1
20	37° 53.9' N 168° 42.0' W	CL	6-8	326	20	6-8	340	8-10	-0.0	1014.9	-4.1	-4.1
21	37° 51.0' N 168° 43.4' W	CL	6-8	329	18	6	340	8-10	0.4	1015.3	-4.0	-4.2
22	37° 50.8' N 168° 42.4' W	PC	6-8	326	23	6	340	8-10	0.9	1015.5	-3.2	-4.2
23	37° 52.5' N 168° 37.8' W	PC	6-8	315	19	3-4	330	8-10	-0.3	1015.9	-3.8	-4.9
24	38° 17.1' N 168° 34.4' W	PC	8	310	17	3	330	6-8	-0.5	1015.9	-3.6	-4.0

REMARKS

98-058

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP		DAY	DATE	TIME ZONE
MILLER FREEMAN		R 223	SUNDAY 19 APRIL 98	+8

TIME	POSITION (Lat. and Long.)	PRESENT WEATHER	VISIBILITY (N.M.)	WIND		SEA WAVE HEIGHT (Ft.)	SWELL WAVES		SEA TEMPERATURE (°C)	SEA LEVEL (m)	TEMPERATURE °C	
				DIR. (True)	SPEED (Kts.)		DIR. (True)	HEIGHT (Ft.)			DRY BULB	WET BULB
01	58° 21.1'N 168° 29.6'W	PC	8	310	18	3	330	6-8	-0.6	1016.1	-2.9	-3.1
02	58° 30.4'N 168° 30.1'W	PC	8	295	13	3	330	4-8	-0.8	1016.1	-2.9	-3.0
03	58° 36.3'N 168° 22.6'W	CL	8	290	12	3	330	5-7	-0.9	1016.1	-2.5	-2.7
04	58° 43.0'N 168° 16.8'W	CL	8	272	10	3	330	5-7	-0.9	1015.4	-2.3	-2.4
05	58° 45.6'N 168° 10.3'W	CL	8	264	8	3	330	5-7	-0.9	1015.5	-1.3	-1.4
06	58° 48.6'N 168° 11.5'W	CL	8	277	11	3	330	5-7	-1.0	1015	-1.0	-0.9
07	58° 50.7'N 168° 12.6'W	CL	8	277	9	3	330	5-7	-1.1	1015.7	-1.0	-0.8
08	58° 52.9'N 168° 16.5'W	CC	8	270	8	1-2	325	3-4	-1.0	1015.8	-0.5	-0.6
09	58° 54.2'N 168° 16.4'W	CL	8	270	6	1-2	325	3-4	-1.0	1015.8	0.9	-0.5
10	58° 40.2'N 168° 14.2'W	CL	8	265	8	1	325	3	-1.0	1015.9	0.0	-0.2
11	58° 40.5'N 168° 12.0'W	CL	6	270	8	1	325	3	-1.0	1015.9	-0.1	-0.1
12	58° 40.2'N 168° 13.6'W	CL	6	255	6.7	1	325	3	-1.0	1016.2	0.7	0.4
13	58° 39.7'N 168° 24.1'W	CL	6	255	0.7	1	325	3	-0.9	1016.2	0.9	0.8
14	58° 38.6'N 168° 32.7'W	CL	6	265	0.8	1	325	3	-0.8	1016.3	1.6	1.0
15	58° 38.6'N 168° 32.9'W	CL	6	285	0.8	1	325	3	-0.7	1016.5	1.8	1.1
16	58° 42.9'N 168° 22.2'W	CL	6	276	0.7	1	—	—	-0.9	1016.8	-0.5	-0.7
17	58° 46.7'N 168° 12.2'N	CL	6	284	0.9	1	—	—	-0.9	1016.9	0.0	0.0
18	58° 49.5'N 168° 08.6'W	CL	6	315	0.7	1-2	—	—	-0.9	1017.1	1.2	0.8
19	58° 46.9'N 168° 02.7'W	CL	6	284	0.9	1-2	—	—	-0.8	1017.0	1.8	1.0
20	58° 43.7'N 168° 06.1'W	F-L	5	306	0.4	1-2	—	—	-1.0	1017.4	1.8	1.0
21	58° 44.9'N 168° 13.6'W	R	5	285	0.8	1-2	—	—	-0.8	1017.8	1.7	1.0
22	58° 47.1'N 168° 11.3'W	A	4-5	289	0.9	1-2	—	—	-0.7	1018.0	2.8	1.1
23	58° 48.0'N 168° 22.8'W	A	4-5	283	0.8	1-2	—	—	-0.7	1018.7	0.6	0.2
24	58° 30.5'N 168° 31.3'W	CL	6	280	1.0	1-2	—	—	-0.7	1018.9	0.1	0.0

REMARKS

98-05B

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP	DAY	DATE	TIME ZONE
MILLER FREEMAN R223	MONDAY	20 APR 98	+8

TIME	POSITION (Lat. and Long.)	PRESENT WEATHER	VISIBILITY (N.M.)	WIND		SEA WAVE HEIGHT (Ft.)	SWELL WAVES		SEA STATE (1-5)	WAVE PERIOD (Secs)	TEMPERATURE °C	
				DIR. (True)	SPEED (Kts.)		DIR. (True)	HEIGHT (Ft.)			DRY BULB	WET BULB
01	58° 32.3'N 168° 39.2'W	CL	6	280	7	1-2			-0.7	1019.1	0.2	0.0
02	58° 34.6'N 168° 36.4'W	CL	6	275	6	1-2			-0.8	1019.2	0.3	0.0
03	58° 36.4'N 168° 34.1'W	A/CL	6	265	6	1-2			-0.8	1019.4	0.4	0.1
04	58° 38.2'N 168° 31.1'W	CL	6	275	4	1-2			-0.8	1019.5	0	-0.5
05	58° 37.9'N 168° 31.1'W	CL	6	122	5	1-2			-0.8	1019.7	0	0
06	58° 37.9'N 168° 31.1'W	F	1	229	3	1-2			-0.9	1019.8	0	0
07	58° 37.9'N 168° 29.2'W	F	1	004	07	1-2			-0.9	1020.1	-0.4	0
08	58° 37.9'N 168° 29.3'W	F	1/2	203	4	—	260	2-3	-0.9	1020.4	0.0	0.0
09	58° 37.9'N 168° 29.1'W	P	1/4	220	5	—	260	2-3	-0.8	1020.8	-0.2	-0.1
10	58° 37.9'N 168° 28.8'W	A	4-5	275	7	—	260	2-3	-0.8	1021.1	0.6	0.4
11	58° 37.9'N 168° 27.7'W	F	1/2	215	7	—	260	2-3	-0.8	1021.2	1.3	1.0
12	58° 40.5'N 168° 18.4'W	A	2	195	7	1	260	2-3	-0.8	1021.3	3.3	2.8
13	58° 42.5'N 168° 16.6'W	F	1/2	180	7	1/2	260	2-3	-0.8	1021.3	2.0	1.8
14	58° 42.5'N 168° 16.5'W	F	1/4	255	8	1/2	260	2-3	-0.8	1021.3	1.3	1.1
15	58° 42.4'N 168° 16.5'W	F	1/4	205	8	1/2	260	2-3	-0.8	1021.8	1.0	0.8
16	58° 37.8'N 168° 21.9'W	F	1/4	185	8	1/2	260	2-3	-0.7	1021.5	0	0
17	58° 34.9'N 168° 21.5'W	PC	4-6	220	08	1	260	2-3	-0.7	1021.5	2.8	2.4
18	58° 37.6'N 168° 21.9'W	PC	6	182	08	1	260	2-3	-0.8	1021.3	3.0	2.4
19	58° 38.0'N 168° 21.9'W	CL	6	203	08	1	260	2-3	-0.7	1021.5	0.5	0.5
20	58° 38.8'N 168° 24.3'W	CL	6	179	09	1	260	2-3	-0.6	1021.3	1.1	0.7
21	58° 37.9'N 168° 31.9'W	CL	6	176	11	1	260	2-3	-0.1	1021.1	1.4	0.1
22	58° 36.0'N 168° 30.0'W	CL	6	210	12	1	260	2-3	-0.3	1021.0	2.0	1.5
23	58° 34.3'N 168° 34.3'W	CL	6	168	12	1	175	2-3	-0.4	1020.8	2.1	1.5
24	58° 09.8'N 168° 39.4'W	CL	8	170	12	1	175	2-3	-0.1	1020.6	1.2	0.8

REMARKS

98-05B

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP	DAY	DATE	TIME ZONE
MILLER FREEMAN R 223	TUESDAY	21 APRIL 98	+8

TIME	POSITION (Lat. and Long.)	PRESENT WEATHER	VISIBILITY (N.M.)	WIND		SEA WAVE HEIGHT (Ft.)	SWELL WAVES		SEA TEMPERATURE (°C)	SURFACE TEMPERATURE (°C)	TEMPERATURE °C	
				DIR. (True)	SPEED (Kts.)		DIR. (True)	HEIGHT (Ft.)			DRY BULB	WET BULB
01	37° 55.9'N 168° 48.2'W	CL	8	170	12	1	175	2-3	0.1	1020.4	0.9	0.4
02	37° 46.3'N 168° 54.1'W	CL	8	175	10	1	175	2-3	-0.5	1019.4	0.8	0.3
03	37° 37.1'N 168° 57.7'W	CL	8	178	13	1	175	2-3	-0.8	1019.0	0.8	0.2
04	37° 26.5'N 169° 06.5'W	CL	8	158	15	1	175	2-3	-3	1018.5	0.8	0.6
05	37° 15.4'N 169° 13.4'W	CL	8	150	14	1	175	2-3	-5	1017.4	1.2	0.8
06	37° 05.1'N 169° 19.4'W	CL	8	170	10	1	175	2-3	0.5	1017.6	1.8	1.5
07	37° 03.5'N 169° 24.9'W	CL	8	162	17	1	175	2-3	1	1016.7	1.8	1.6
08	36° 49.8'N 169° 19.4'W	CL	8	168	20	1-2	175	3-4	0.7	1016.0	3.0	2.5
09	36° 38.2'N 169° 19.7'W	CL	8	174	19	2-3	175	4-5	1.7	1015.7	4.0	2.9
10	36° 26.9'N 169° 20.1'W	CL	8	159	20	2-3	175	6-8	2.6	1015.5	7.6	3.0
11	36° 27.8'N 169° 20.7'W	CL	8	170	18	3	190	6-8	1.8	1015.5	3.3	2.6
12	36° 27.1'N 169° 21.0'W	CL	8	165	21	3	190	6-8	2.0	1015.2	3.6	3.0
13	36° 17.7'N 169° 20.5'W	CL	8	176	19	3-4	190	6-8	3.1	1014.9	3.6	3.0
14	36° 17.3'N 169° 20.6'W	CL	8	165	20	3-4	190	6-8	3.1	1013.5	4.5	4.0
15	36° 17.7'N 169° 20.2'W	CL	8	165	23	4	190	6-8	3.1	1012.4	3.7	3.2
16	36° 15.7'N 169° 20.4'W	CL	8	143	22	4	190	6-8	3.1	1012.4	7.6	3.4
17	36° 10.8'N 169° 20.1'W	CL	8	155	18	4	190	6-8	2.7	1011.9	3.7	3.3
18	36° 11.1'N 169° 19.9'W	CL	8	137	22	4	190	6-8	2.7	1011.5	4.7	3.8
19	36° 10.5'N 169° 19.0'W	CL	8	160	22	4-6	190	6-8	2.8	1011.3	4.3	3.8
20	36° 15.1'N 169° 22.7'W	CL	8	150	22	4-6	190	6-8	2.9	1010.6	5.0	3.8
21	36° 12.4'N 169° 20.9'W	CL	8	140	22	4-6	190	6-8	2.9	1010.1	4.0	3.1
22	36° 10.9'N 169° 21.8'W	CL	8	115	16	4-6	190	6-8	7.0	1009.8	3.7	3.2
23	36° 09.9'N 169° 21.6'W	CL	8	126	19	4-5	165	6-8	2.5	1009.3	3.9	3.2
24	36° 14.1'N 169° 36.7'W	PC	8	130	19	4	165	6-8	3.2	1009.1	4.3	3.6

REMARKS

98-05B

1700: SECOND SWELL 120 - 3-4'

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP	DAY	DATE	TIME ZONE
MILLER FREEMAN R 223	WEDNESDAY	22 APRIL 98	78

TIME	POSITION (Lat. and Long.)	PRESENT WEATHER	VISIBILITY (N.M.)	WIND		SEA WAVE HEIGHT (Ft.)	SWELL WAVES		SEA WATER TEMP. (°C)	SEA LEVEL (msl)	TEMPERATURE °C	
				DIR. (True)	SPEED (Kts.)		DIR. (True)	HEIGHT (Ft.)			DRY BULB	WET BULB
01	56° 15.5' N 169° 42.3' W	CL	8	155	21	4-6	165	6-8	3.3	1008.2	3.7	3.2
02	56° 20.5' N 169° 56.1' W	CL	8	130	21	4-6	165	6-8	2.0	1007.8	5.0	4.0
03	56° 28.2' N 170° 04.9' W	CL	8	125	19	4-6	165	6-8	2.4	1006.8	4.2	3.4
04	56° 26.1' N 170° 13.5' W	CL/L	8	129	16	4-6	165	6-8	2.5	1005.9	3.8	3.1
05	56° 34.9' N 170° 12.6' W	CL	8	119	19	4-6	165	6-8	1.7	1006.2	3.9	3.5
06	56° 40.9' N 170° 12.2' W	CL	8	129	20	4-6	165/115	6-8/5-6	1.7	1005.1	5.0	2.8
07	56° 47.1' N 170° 03.7' W	CL	7	146	20	4-6	165/115	6-8/5-6	1.5	1005.0	3.5	3.1
08	56° 47.1' N 169° 47.6' W	CL	7	117	19	4-6	165/115	6-8/5-6	1.7	1005.0	3.6	3.2
09	56° 52.0' N 169° 52.0' W	CL	5-6	125	18	4-6	170/115	6-8/5-6	1.8	1004.5	3.9	3.4
10	56° 52.0' N 170° 06.7' W	CL	5-6	130	18	4-6	170/115	6-8/5-6	0.9	1004.2	3.1	2.8
11	57° 02.6' N 170° 09.1' W	CL	4	130	21	4-6	170/115	6-8/5-6	-0.1	1003.9	3.8	3.1
12	56° 55.3' N 170° 05.2' W	CL/L	2	130	24	4-6	170/115	6-8/5-6	-0.05	1003.9	2.1	2.1
13	56° 45.8' N 170° 01.6' W	CL	6	130	22	4-6	170/115	6-8/5-6	0.3	1002.9	2.4	2.4
14	56° 46.1' N 170° 01.6' W	CL	6	122	25	4-6	170/115	6-8/5-6	1.8	1002.0	3.8	3.5
15	56° 46.1' N 170° 01.6' W	CL	6	142	23	4-6	170/115	6-8/5-6	1.6	1001.1	3.8	3.6
16	56° 46.1' N 170° 01.6' W	CL	6	172	27	4-6	170/115	6-8/5-6	2.2	1000.6	3.8	3.5
17	56° 46.1' N 170° 01.6' W	CL	6	138	25	4-6	170/115	6-8/5-6	3.5	999.9	4.1	4.2
18	56° 46.1' N 170° 01.6' W	CL	6	172	27	4-6	170/115	6-8/5-6	3.5	998.5	4.7	4.2
19	56° 46.1' N 170° 01.6' W	CL	6	138	25	4-6	170/115	6-8/5-6	3.4	998.7	4.5	4.2
20	56° 46.1' N 170° 01.6' W	CL	6	129	27	4-6	170/115	6-8/5-6	3.7	997.7	4.3	4.2
21	56° 46.1' N 170° 01.6' W	CL	6	141	25	4-6	170/115	6-8/5-6	3.7	997.2	4.3	4.0
22	56° 46.1' N 170° 01.6' W	CL	6	152	27	4-6	170/115	6-8/5-6	3.6	997.1	4.2	3.9
23	56° 46.1' N 170° 01.6' W	CL	6	148	26	4-6	170/115	6-8/5-6	3.5	996.7	4.3	4.0
24	56° 46.1' N 170° 01.6' W	CL	6	145	21	5	170/115	6-8/5-6	3.7	996.8	4.2	3.9

REMARKS MF-98-05B

0400: 2ND SWELL: 195

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP	DAY	DATE	TIME ZONE
MILLER FREEMAN	B223	THURSDAY 23 APRIL 1980	+0

TIME	POSITION (Lat. and Long.)	PRESENT WEATHER	VISIBILITY (N.M.)	WIND		SEA WAVE HEIGHT (Ft.)	SWELL WAVES		SEA TEMPERATURE (°C)	SEA PRESSURE (mb)	SEA LEVEL (m)	TEMPERATURE °C	
				DIR. (True)	SPEED (Kts.)		DIR. (True)	HEIGHT (Ft.)				DRY BULB	WET BULB
01	34° 41.1' N 164° 11.4' W	R	4-5	147	24		170	120	36	996.8	996.8	4.5	4.0
02	34° 30.8' N 169° 08.2' W	R	6	150	20		170	120		996.0	996.0	4.6	3.9
03	34° 20.1' N 169° 03.9' W	R	8	158	18		170	120		995.8	995.8	4.5	4.1
04	34° 11.6' N 169° 00.7' W	L	8	145	21		170	120		996	996	4.5	4.2
05	34° 00.7' N 168° 56.5' W	L	8	162	23		170	120		995	995	5.0	4.3
06	33° 49.0' N 168° 53.4' W	L	8	170	18		170	120		994.7	994.7	5.0	4.6
07	33° 40.1' N 168° 48.3' W	L	8	179	15		170	120		994.8	994.8	5.2	4.8
08	33° 22.5' N 168° 44.0' W	CC	8	240	19		210	6-8		994.8	994.8	5.0	4.0
09	33° 02.2' N 168° 42.9' W	L	7-8	221	21		210	4-6		995.4	995.4	4.7	3.8
10	33° 26.3' N 168° 46.3' W	PC	10	230	18		210	5		995.6	995.6	5.0	3.9
11	33° 24.4' N 168° 44.4' W	PC	10	212	17		210	5		995.9	995.9	4.0	3.1
12	33° 21.7' N 168° 51.3' W	PC	10	225	15		210	5		996.1	996.1	4.6	3.1
13	33° 26.3' N 168° 52.3' W	PC	10	230	13		210	5		996.2	996.2	5.0	3.6
14	33° 22.8' N 168° 44.3' W	PC	10	230	17		210	4		996.2	996.2	7.6	5.4
15	33° 26.3' N 168° 46.3' W	PC	10	230	14		210	4		996.2	996.2	5.5	4.9
16	33° 25.9' N 168° 47.9' W	PC	10	225	10		210	4		996.0	996.0	5.9	4.3
17	33° 24.7' N 168° 50.2' W	PC	10	245	09		210	4		995.7	995.7	7.8	5.7
18	33° 24.4' N 168° 51.4' W	PC	10	215	12		210	4		995.3	995.3	4.5	3.6
19	33° 24.6' N 168° 53.0' W	PC	10	183	06		210	4		995	995	4.8	3.8
20	33° 34.5' N 168° 30.2' W	PC	10+	205	48		210	4		994.9	994.9	6.0	4.5
21	33° 30.7' N 168° 30.2' W	PC	10+	210	46		210	3		994.8	994.8	7.0	5.6
22	33° 55.2' N 168° 41.7' W	PC	10+	010	05		210	3		994.6	994.6	4.8	3.4
23	33° 01.2' N 169° 03.7' W	PC	10	-	0		210	2		994.9	994.9	6.0	4.5
24	33° 35.5' N 169° 03.3' W	PC	8	065	05		210	2		994.9	994.9	5.5	4.3

REMARKS

MF-98-0513

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP		DAY	DATE	TIME ZONE
MILLER FREEMAN R223		FRIDAY	24 APRIL 98	+8

TIME	POSITION (Lat. and Long.)	PRESENT WEATHER	VISIBILITY (N.M.)	WIND		SEA WAVE HEIGHT (Ft.)	SWELL WAVES		SEA TEMP. (Ft.)	SURF PRESSURE (Ft.)	TEMPERATURE OC	
				DIR. (True)	SPEED (Kts.)		DIR. (True)	HEIGHT (Ft.)			DRY BULB	WET BULB
01	53° 45.0'N 169° 15.1'W	PC	8	100	06	1	210	2-3	4.3	994.8	5.4	4.2
02	53° 46.7'N 169° 15.7'W	PC	8	060	01	1	210	2-3	4.3	994.2	5.3	4.1
03	53° 49.1'N 169° 18.1'W	PC	8	080	04	1	210	2-3	4.2	994.2	4.5	3.7
04	53° 51.8'N 169° 20.6'W	PC	8	074	07	1	210	2-3	4.3	994	4.9	3.6
05	54° 01.9'N 169° 34.4'W	CL	8	VAR	<5	1	210	2-3	4.4	993.5	4.1	3.0
06	54° 01.5'N 169° 33.5'W	PC	8	330	07	1	210	2-3	4.3	993.2	4.0	2.6
07	54° 08.1'N 169° 34.9'W	PC	8	347	09	1	210	2-3	4.3	993	4.5	3.2
08	54° 12.8'N 169° 41.8'W	CL	8	355	17	1-2	210	4-5	4.3	992.5	3.8	3.0
09	54° 26.1'N 169° 48.4'W	CL	8	320	14	2	210	5	4.2	992.9	3.6	3.1
10	54° 27.4'N 169° 49.2'W	CL	8	320	13	2-3	210	5	4.1	992.7	3.2	2.9
11	54° 28.7'N 169° 30.6'W	CL	8	353	10	2-3	210/350	4-5/5-6	3.7	992.3	3.4	2.3
12	54° 30.6'N 169° 16.3'W	CL	8	343	11	2-3	350	5-6	3.5	992.2	2.4	2.3
13	54° 40.0'N 169° 12.0'W	CL	8	020	16	2-3	350	5-6	3.6	992.9	2.8	2.7
14	54° 40.2'N 169° 11.0'W	CL	8	020	14	3	350	5	3.6	992.9	3.0	3.0
15	54° 45.3'N 168° 57.6'W	PC	8	015	10	3	350	5	3.9	992.9	3.8	3.6
16	54° 53.5'N 168° 51.8'W	PC	8	040	08	3	350	5	3.8	992.4	3.7	3.1
17	54° 58.5'N 168° 44.5'W	M	6-8	035	14	3	370/350	8-10/5	4.0	994.4	3.8	3.5
18	55° 00.3'N 168° 41.8'W	PC/ocul M	6-	030	14	3-4	370/350	8-10/5	4.0	995.1	4.0	3.7
19	55° 05.1'N 168° 32.3'W	PC	6	027	12	3-4	370/350	8-10/5	3.8	995.0	3.9	3.5
20	55° 06.5'N 168° 28.3'W	CL	6	040	16	3-4	075	6	3.8	996.1	5.1	4.6
21	55° 11.1'N 168° 24.5'W	CL	6	047	17	3-4	070	8-10	7.7	997.1	4.9	3.9
22	55° 17.0'N 168° 19.2'W	CL	6	044	19	5-6	070	8-10	7.8	996.3	4.9	3.7
23	55° 18.9'N 168° 14.9'W	CL	6	025	21	5-6	070	8-10	7.9	1001.0	5.6	4.8
24	55° 05.1'N 168° 20.8'W	PC	8	025	20	3	030	6-8	3.7	1001.3	5.4	4.5

REMARKS

MF-98-05B

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP	DAY	DATE	TIME ZONE
MILLER FREEMAN	R 223	SATURDAY 25 APR 1980	+8

TIME	POSITION (Lat. and Long.)	PRESENT WEATHER	VISIBILITY (N.M.)	WIND		SEA WAVE HEIGHT (Ft.)	SWELL WAVES		SEA & WAVE PERIOD (Sec.)	SEA LEVEL (M)	TEMPERATURE °C	
				DIR. (True)	SPEED (Kts.)		DIR. (True)	HEIGHT (Ft.)			DRY BULB	WET BULB
01	35° 07.0'N 168° 20.4'W	BC	8	035	18	3	030	7-9	3.9	1001.9	5.0	3.8
02	35° 16.2'N 168° 17.0'W	PC	8	025	16	3	030	7-9	3.7	1003.1	5.1	3.9
03	35° 21.5'N 168° 13.5'W	PC	8	020	17	3	030	7-9	3.8	1004.5	4.1	3.3
04	35° 22.3'N 168° 13.0'W	C	8	008	16	4-6	030	7-9	3.9	1004.7	4.2	3.3
05	35° 22.2'N 168° 10.7'W	C	8	345	16	4	030	7-9	3.8	1005.2	4.2	3.3
06	35° 25.5'N 168° 04.4'W	C	8	000	16	4	030	7-9	3.7	1006.1	4.0	3.1
07	35° 18.4'N 167° 51.0'W	C	8	330	17	4	030	7-9	3.6	1006.4	4.0	3.2
08	35° 33.7'N 167° 45.2'W	C	10	000	15	4	070	7-9	7.4	1007.5	4.0	7.4
09	35° 38.6'N 167° 41.4'W	C	10	000	17	4	070	7-9	7.4	1008.2	3.8	7.4
10	35° 41.1'N 167° 27.4'W	C	10	345	16	4	030	7-9	7.4	1008.2	3.8	7.5
11	35° 46.2'N 167° 16.2'W	C	10	350	14	4-5	030	8	3.3	1009.5	3.8	3.2
12	35° 49.8'N 167° 02.3'W	C	10	355	15	3	030	8	3.2	1010.8	3.2	3.2
13	35° 54.0'N 166° 54.0'W	C	10	355	17	3	030	6-7	3.3	1011.0	3.8	3.1
14	35° 58.8'N 166° 35.3'W	C	10	340	09	3	030	6-7	3.2	1011.3	3.9	3.4
15	36° 02.3'N 166° 21.7'W	C	10	326	10	3	030	6-7	3.0	1011.3	3.9	3.4
16	36° 02.4'N 166° 09.9'W	C	10	340	13	3	030	4-6	3.0	1012.0	4.0	3.6
17	36° 03.1'N 166° 19.9'W	C	10	340	10	3	030	4-6	3.1	1012.2	4.9	3.8
18	36° 03.0'N 166° 20.4'W	C	10	338	13	3	070	4-6	3.2	1012.8	7.0	5.5
19	36° 03.1'N 166° 20.3'W	C	10	342	11	3	070	4-6	3.2	1013.1	5.2	4.1
20	36° 08.8'N 166° 08.8'W	C	10	340	11	3	070	3	3.1	1013.2	4.9	4.0
21	36° 08.0'N 166° 17.0'W	C	10	341	13	3	070	3	7.3	1014.0	4.0	—
22	36° 08.4'N 166° 04.5'W	C	10	315	12	3	070	3	3.2	1014.3	3.8	7.8
23	36° 09.7'N 166° 07.7'W	C	10	344	11	3	—	—	7.3	1014.4	3.4	7.3
24	36° 11.3'N 166° 30.0'W	C	10	301	06	3	—	—	3.2	1014.2	3.2	3.0

REMARKS

MF-98-05B

2100 Thermometer in JVA

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP		DAY	DATE	TIME ZONE
MUEL Freeman		R223	Sunday 26 APR 98	+8

TIME	POSITION (Lat. and Long.)	PRESENT WEATHER	VISIBILITY (N.M.)	WIND		SEA WAVE HEIGHT (Ft.)	SWELL WAVES		SEA WAVE PERIOD (Sec.)	TEMPERATURE °C
				DIR. (True)	SPEED (Kts.)		DIR. (True)	HEIGHT (Ft.)		
01	56° 11.5' N 166° 22.6' W	C	8	LT AIRS	3	3	/	/	3.3	1014.6 4.0 3.8
02	56° 10.0' N 166° 07.4' W	C	8	280 21 AIRS	3	3	/	/	3.2	1014.1 4.2 3.8
03	56° 11.6' N 166° 00.0' W	C	8	260	12	3	/	/	3.2	1013.8 3.7 3.3
04	56° 16.5' N 165° 46.3' W	C	8	270	6	3	/	/	2.9	1013.1 3.4 3.2
05	56° 34.9' N 165° 34.9' W	C	8	272	10	3	/	/	2.2	1013.5 3.1 3.0
06	56° 32.3' N 165° 23.0' W	PC	8	277	07	3	/	/	1.4	1013.0 2.8 2.5
07	56° 28.6' N 165° 15.0' W	PC	8	258	10	3	/	/	2.3	1012.0 2.9 2.7
08	56° 17.7' N 164° 51.2' W	C	8	270	8	3	/	/	2.2	1011.2 3.6 2.7
09	56° 17.7' N 164° 48.2' W	C	8	240	10	3	/	/	2.2	1010.2 3.4 2.9
10	56° 17.7' N 164° 48.2' W	C	8	240	10	3	/	/	2.1	1009.9 2.5 2.4
11	56° 48.6' N 164° 01.5' W	FM	1/4	230	13	3	/	/	2.2	1008.8 2.8 2.5
12	56° 52.5' N 164° 02.8' W	F	1/2	220	17	3	/	/	2.2	1008.1 1.9 1.9
13	56° 52.4' N 164° 02.8' W	CL	6	285	20	3	/	/	2.2	1007.2 2.9 2.8
14	56° 52.2' N 164° 03.2' W	CL	8	190	21	3	230	4-5	2.2	1005.5 4.2 3.7
15	56° 52.6' N 164° 02.9' W	CL	8	220	20	3-4	230	4-5	2.2	1004.1 5.0 3.9
16	56° 52.3' N 164° 03.1' W	CL/L	8	200	18	3-4	230	4-5	2.2	1002.1 5.1 4.4
17	56° 52.5' N 164° 02.1' W	R	5	200	26	3-4	230	4-6	2.1	1000.9 3.2 3.1
18	56° 52.1' N 164° 02.1' W	R	5	194	20	3-4	230	4-6	2.1	999.5 3.1 2.9
19	56° 52.2' N 164° 02.8' W	R	5	180	25	4-5	230	4-6	2.1	998.8 3.0 3.0
20	56° 52.4' N 164° 01.8' W	F-R	1/2	210	25	4-5	230	6-8	2.1	998.4 3.3 3.2
21	56° 51.7' N 164° 01.0' W	F-R	1/2	220	27	4-5	230	6-8	2.1	997.0 3.7 3.7
22	56° 51.0' N 164° 01.7' W	R-F	1	210	23	4-5	230	8-10	2.1	996.2 3.9 3.8
23	56° 52.6' N 164° 02.6' W	R-F	1	210	16	3-4	230	6-8	2.2	996.1 3.7 3.6
24	56° 52.3' N 164° 02.8' W	L	4	280	21	3-4	230	6-8	2.1	997.2 3.9 3.8

REMARKS

MF-98-05B

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP	DAY	DATE	TIME ZONE
MILLER FREEMAN R223	MONDAY	27 APRIL 98	+8

TIME	POSITION (Lat. and Long.)	PRESENT WEATHER	VISIBILITY (N.M.)	WIND		SEA WAVE HEIGHT (Ft.)	SWELL WAVES		SEA TEMPERATURE (°F.)	SEA PRESSURE (mb)	TEMPERATURE °C	
				DIR. (True)	SPEED (Kts.)		DIR. (True)	HEIGHT (Ft.)			DRY BULB	WET BULB
01	56° 52.6' N 164° 03.4' W	CL	6	295	20	3-4	230	6-9	21	998.8	2.0	1.9
02	56° 47.1' N 164° 07.0' W	R	6	298	22	3-4	230	9-10	2.2	1000.0	2.5	2.1
03	56° 39.8' N 164° 11.5' W	R	6	305	21	3-4	230	9-10	2.2	1001.2	2.8	2.2
04	56° 30.8' N 164° 16.7' W	CL	6	315	22	3-4	230	9-10	2.4	1002	2.9	2.3
05	56° 23.0' N 164° 20.7' W	CL	6	318	18	3-4	230	9-10	2.5	1003.7	4.2	3.0
06	56° 14.6' N 164° 26.0' W	CL	6	317	19	3-4	230	9-10	2.4	1004.5	2.0	1.2
07	56° 09.1' N 164° 29.0' W	CL	6	310	19	3-4	230	9-10	2.9	1005.2	2.8	1.3
08	55° 59.4' N 164° 34.7' W	CL	8	314	21	3-4	230	9-10	3.1	1007.1	2.9	1.8
09	55° 53.3' N 164° 38.6' W	CL	8	316	21	3-4	230	9-10	3.1	1008.0	3.7	3.0
10	55° 47.4' N 164° 43.5' W	CL	8	309	24	5-7	230	8-10	3.2	1008.5	2.7	0.0
11	55° 38.7' N 164° 48.7' W	PC	8			5-6	230	8-10	3.2	1009.2	3.9	1.3
12	55° 34.9' N 164° 51.8' W	PC	8	310	20	4-5	230	8-10	3.2	1010.1	6.7	3.2
13	55° 27.5' N 164° 56.1' W	PC	8	305	19	4-5	230	8-10	3.4	1011.6	2.9	0.3
14	55° 23.5' N 164° 58.1' W	PC	8	305	19	4-5	230	8-10	3.4	1011.2	3.0	1.9
15	55° 21.4' N 164° 59.9' W	PC	8	312	17	4-5	230	8-10	3.3	1011.3	4.4	2.6
16	55° 19.4' N 164° 59.3' W	PC	8	293	16	4-5	230	8-10	3.3	1011.3	7.0	4.5
17	55° 18.0' N 164° 59.1' W	PC	8	295	19	4-5	230	8-10	3.4	1011.3	5.0	3.0
18	55° 16.9' N 164° 59.0' W	PC	8	291	20	4-5	230	8-10	3.4	1011.2	5.7	3.6
19	55° 15.8' N 164° 57.6' W	PC	7	293	21	4-5	230	8-10	3.6	1011	5.2	3.2
20	55° 16.8' N 164° 57.8' W	CL	7	280	16	4-5	230	8-10	3.5	1011.2	3.6	2.5
21	55° 16.1' N 164° 57.9' W	S	5	280	22	4-5	280	12	3.4	1010.7	3.1	2.2
22	55° 16.1' N 164° 57.9' W	S	5	283	24	4-5	280	12	3.4	1010.2	1.2	1.2
23	55° 16.1' N 164° 57.9' W	S	5	277	21	4-5	280	10	3.9	1010.7	1.6	1.0
24	55° 16.1' N 164° 57.9' W	S/CL	6	290	20	4-5	280	10/12	3.9	1011.1	3.8	3.0

REMARKS

MF-98-05B

2330 SNOW SMALL

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP		DAY	DATE	TIME ZONE
MILLER FREEMAN		B-223	TUESDAY 28 APRIL 98	+8

TIME	POSITION (Lat. and Long.)	PRESENT WEATHER	VISIBILITY (N.M.)	WIND		SEA WAVE HEIGHT (Ft.)	SWELL WAVES		SEA & FOF TEMP. (°F.)	SEA PRESSURE (mb)	TEMPERATURE °C	
				DIR. (True)	SPEED (Kts.)		DIR. (True)	HEIGHT (Ft.)			DRY BULB	WET BULB
01	55° 07.8' N 164° 38.1' W	CU/5	6	275	22	6	280	10-12	3.9	1011.5	22.2	2.0
02	55° 04.7' N 164° 47.0' W	PC	6	318	24	6	280	10-12	3.9	1011.5	2.9	1.8
03	55° 02.8' N 164° 54.9' W	PC	8	324	24	6	280	10-12	3.9	1011.9	3.0	1.8
04	54° 59.8' N 165° 06.0' W	CL/SW	8	313	20	6	280	10-12	3.9	1012.5	2.0	1.6
05	54° 57.7' N 165° 13.8' W	SW	8	373	28	6	280	10-12	4.0	1013	2.1	1.7
06	54° 55.3' N 165° 22.8' W	SW	8	339	22	6	280	10-12	4.0	1014.1	1.9	.9
07	54° 53.8' N 165° 32.5' W	CL	8	375	28	6	280	10-12	4.0	1014.4	1.9	.4
08	54° 48.1' N 165° 43.0' W	SW	8	374	19	4-6	280	12	3.9	1015.9	1.8	1.0
09	54° 46.8' N 165° 52.8' W	PC	8	326	27	4-6	280	14-18	3.9	1017.1	1.8	1.8
10	54° 45.2' N 166° 01.6' W	PC	6	327	21	4-6	280	14-18	3.9	1017.7	1.3	1.2
11	54° 42.1' N 166° 15.1' W	PC/S	6	320	25	5-6	280	14-18	4.0	1018.6	2.0	2.2
12	54° 42.3' N 166° 15.9' W	PC	6	330	23	5-6	280	16-18	4.0	1019.8	1.8	0.9
13	54° 34.7' N 166° 07.7' W	S	4	327	22	5-6	280	14-18	3.9	1020.1	2.4	1.5
14	54° 35.4' N 166° 07.4' W	S/PC	6	320	24	6	280	18	4.0	1020.9	4.8	2.6
15	54° 30.2' N 166° 03.3' W	CL	8	316	27	6	280	8-20	3.8	1021.5	4.9	3.9
16	54° 28.4' N 166° 01.7' W	CL	8	311	18	6	280	20/8	4.0	1021	4.5	3.2
17	54° 26.7' N 166° 01.7' W	CL	8	315	18	6	280	20/8	4.2	1022	5.0	4.0
18	54° 21.6' N 166° 55.6' W	CL	8	312	20	6-8	280	18-20	4.0	1022.2	3.8	3.6
19	54° 21.8' N 166° 56.9' W	CL	8	313	23	6-8	280	17-18	4.0	1022.2	5.0	4.2
20	54° 20.8' N 166° 55.4' W	PC	8	314	21	6-8	280	11-18	4.2	1023.0	3.5	3.3
21	54° 19.1' N 166° 55.7' W	PC	8	310	20	6	280	16-18	4.1	1023.0	3.6	3.5
22	54° 22.1' N 166° 52.5' W	PC	8	310	20	6-8	280	16-18	4.1	1023.0	3.7	—
23	54° 22.8' N 166° 57.3' W	PC	8	326	17	5-6	280	14-16	4.1	1023.5	3.2	1.8
24	54° 23.2' N 166° 58.2' W	PC	8	340	13	5-6	280	14-16		1023.3	2.9	1.1

REMARKS

MF-98-058

1623 SW-

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP	DAY	DATE	TIME ZONE
MILLER FREEMAN R-223	WEDNESDAY	29 APRIL 98	+8

TIME	POSITION (Lat. and Long.)	PRESENT WEATHER	VISIBILITY (N.M.)	WIND		SEA WAVE HEIGHT (Ft.)	SWELL WAVES		SEA WATER TEMP. °C	SEA LEVEL (mb)	TEMPERATURE °C	
				DIR. (True)	SPEED (Kts.)		DIR. (True)	HEIGHT (Ft.)			DRY BULB	WET BULB
01	54° 22.7'N 165° 08.4'W	PC	8	340	12	5-6	290	14-16	4.1	1023.5	3.7	2.1
02	54° 11.7'N 165° 15.7'W	CL	8	325	07	3	290	16-8	4.0	1023.4	4.4	2.3
03	54° 06.0'N 165° 30.2'W	PC	8	265	08	1	290	3	4.3	1023.2	3.9	2.2
04	54° 00.1'N 165° 49.1'W	PC	8	250	04	1	290	3	4.2	1022	3.8	1.9
05	54° 00.0'N 166° 06.5'W	PC	8	123	11	1	290	3	4.5	1021.4	3.7	1.8
06	54° 01.8'N 166° 17.9'W	PC	8	158	12	1	290	3	4.3	1020.2	3.3	1.9
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REMARKS