

MT-03-07 5/17/03 - 5/24/03

NOAA FORM 77-13d
(3-76)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP		DAY	DATE	TIME ZONE
MILLER FREEMAN		SATURDAY	17 MAY 03	+8

TIME	POSITION (Lat. and Long.)	PRESENT WEATHER	VISIBILITY (N.M.)	WIND		SEA 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° 53.52' N 166° 32.08' W	CL	2 1/2	VARI	02	> 1	✓	✓	1015.5		11.1	12.5
15												
16	53° 58.2' N 166° 32.5' W	CL	3	315	02	> 1	✓	✓	6.7	1015.0	7.7	7.5
17	54° 00.6' N 166° 35.4' W	CL	5	CALM		< 1	030	2-3	5.6	1015.0	7.0	8.5
18	54° 00.7' N 166° 35.1' W	CL	7	CALM		< 1	025	2-3	5.7	1014.9	8.0	7.2
19	54° 07.9' N 166° 42.1' W	PC	9	057	03	1	000	2-3	5.6	1014.1	5.9	4.7
20	54° 13.7' N 166° 47.6' W	PC	9			1	025	4	5.5	1015.5	11.0	10.1
21	54° 14.8' N 166° 47.5' W	CL	8	060	10	1	030	4	5.6	1014.8	5.9	4.9
22	54° 18.9' N 166° 35.1' W	CL	6	040	10	2	050	3-4	5.5	1014.0	7.2	6.2
23	54° 11.1' N 166° 25.2' W	CL	6	043	8	1	040	4	5.6	1014.0	6.4	5.2
24	54° 14.8' N 166° 19.1' W	CL	6	042	7	1	—	—	5.3	1014.0	7.2	6.2

REMARKS

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP		DAY	DATE	TIME ZONE
MILLER FREEMAN		Sunday	18 May 83	+8

TIME	POSITION (Lat. and Long.)	PRESENT WEATHER	VISIBILITY (N.M.)	WIND		SEA WAVE HEIGHT (Ft.)	SWELL WAVES		SEA TEMPERATURE	SEA LEVEL (Feet)	TEMPERATURE °C	
				DIR. (True)	SPEED (Kts.)		DIR. (True)	HEIGHT (Ft.)			DRY BULB	WET BULB
01	54° 04.3' N 166° 11.9' W	CL	12	Calm		—	—	—	5.1	1014.0	6.8	6.8
02	54° 12.6' N 166° 06.1' W	CL	12	Calm		—	—	—	5.0	1013.3	7.5	6.5
03	54° 15.0' N 165° 50.3' W	CL	6	140	8	—	—	—	5.3	1013.1	8.0	8.0
04	54° 16.5' N 165° 52.2' W	CL	08	097	12	—	—	—	5.3	1012.5	7.0	6.0
05	54° 25.2' N 166° 02.2' W	CL	8	115	03	—	—	—	5.5	1012.0	7.5	6.6
06	54° 25.8' N 166° 00.0' W	CL	8	025	14	<1	075	2-4	5.5	1011.5	7.9	6.7
07	54° 34.0' N 165° 43.6' W	CL	9	334	07	<1	070	2-3	5.5	1011.3	7.7	6.6
08	54° 35.0' N 165° 36.3' W	CL	8	165	07	<1	060	2-3	5.5	1011.5	7.8	6.2
09	54° 38.4' N 165° 33.7' W	CL	8	005	08	<1	130	3	5.1	1011.1	9.0	7.5
10	54° 41.8' N 165° 30.3' W	CL	6	105	28	1	—	—	5.3	1010.0	8.5	7.0
11	54° 21.7' N 165° 25.3' W	CL	06	095	30	2-3	—	—	5.1	1010.0	8.0	7.0
12	54° 18.3' N 165° 24.8' W	CL	5	090	20	4	—	—	5.2	1010.0	9.2	7.6
13	54° 21.00' N 165° 21.4' W	CL	8	090	19	5-6	—	—	5.1	1010.0	6.2	5.5
14	54° 22.9' N 165° 17.1' W	PC	8	112	18	4-5	—	—	5.2	1010.1	7.0	6.1
15	54° 25.0' N 165° 07.3' W	PC	10	120	19	4	—	—	5.2	1009.5	8.2	7.8
16	54° 24.6' N 165° 09.4' W	PC	9	246	11	1-2	100	3-4	5.2	1009.3	9.9	7.6
17	54° 27.4' N 165° 00.6' W	PC	8	116	28	3-5	140	4-5	5.3	1008.1	10.5	8.2
18	54° 29.9' N 165° 03.8' W	CL	8	307	09	2	150	3-4	5.4	1008.2	8.2	7.9
19	54° 28.8' N 165° 12.8' W	PC	8	273	13	3	145	3-4	5.3	1008.3	7.9	7.0
20	54° 42.8' N 165° 16.1' W	PC	8	090	26	3-4	—	—	5.2	1008.0	9.1	7.3
21	54° 43.7' N 165° 16.1' W	PC	8	090	23	3	065	2-3	5.2	1008.6	6.9	6.0
22	54° 46.8' N 165° 03.4' W	CL	8	100	28	3-4	065	2-3	5.2	1008.1	7.2	6.0
23	54° 49.8' N 164° 58.6' W	CL	8	120	14	2-3	070	2-3	5.3	1010.0	8.0	7.8
24	54° 52.4' N 164° 43.4' W	CL	8	108	08	2-3	070	4	5.4	1010.0	9.2	8.8

REMARKS

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP	DAY	DATE	TIME ZONE
MILLER FREEMAN	Mon	19 MAR 83	48

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 OC	
				DIR. (True)	SPEED (Kts.)		DIR. (True)	HEIGHT (Ft.)			DRY BULB	WET BULB
01	54°56.5'N 161°31.7'W	CL	8	79	10	3	070	4	5.2	1010.0	9.0	8.5
02	55°01.1'N 164°19.1'W	CL	8	85	20	5	070	6	5.2	1010.0	8.9	7.2
03	55°03.8'N 164°07.8'W	PC	10	095	20	3-4	070	5-6	5.4	1010.2	8.0	8.0
04	55°11.4'N 163°43.2'W	PC	08	080	15	2-3			5.8	1010.9	7.5	6.5
05	55°11.1'N 163°43.5'W	PC	08	111	16	1-2	085	2-3	5.0	1011.2	7.2	6.5
06	55°13.5'N 163°35.7'W	PC	08	085	10	1-2	085	2-3	4.8	1011.8	8.7	8.2
07	55°18.4'N 163°20.2'W	PC	08	089	13	2	050	3	5.6	1011.2	7.2	7.1
08	55°19.4'N 163°10.2'W	PC	10	020	14	2	050	3	5.6	1012.0	7.4	6.4
09	55°25.4'N 162°53.1'W	CL	10	050	12	1-2	050	3	5.3	1013.0	8.1	6.8
10	55°27.6'N 162°50.1'W	PC	08	197	10	1-2	035	3	5.2	1012.9	8.5	7.0
11	55°32.6'N 162°53.3'W	PC	08	090	24	1-2	040	3	5.6	1013.0	10.0	7.5
12	55°36.6'N 162°37.0'W	PC	8	080	24	1-2	070	3-4	5.1	1014.2	11.0	10.9
13	55°41.2'N 162°37.4'W	OPS								1014.9	10.0	9.0
14	55°41.2'N 162°37.4'W	PC	10	065	11	1	060	3-4		1014.9	10.0	9.0
15	55°53.8'N 162°21.4'W	PC	10	065	14	2	060	4	5.5	1015.0	10.0	9.0
16	55°56.3'N 162°12.3'W	PC	10	041	15	2	063	4	5.1	1015.1	9.9	8.5
17	55°59.9'N 161°55.7'W	PC	10	063	20	3-4			5.4	1015.5	10.1	8.9
18	56°02.8'N 161°50.2'W	PC	10	059	15	2-2			5.2	1016.0	12.0	10.1
19	56°06.7'N 161°37.3'W	PC	10	083	11	2	055	3-5	5.5	1016.1	9.0	6.8
20	56°08.2'N 161°30.5'W	PC	10	037	08	1	060	4-6	5.7	1016.3	10.0	7.5
21	56°11.3'N 161°07.2'W	PC	10	064	12	1	065	4-6	5.1	1016.1	7.3	6.8
22												
23	56°05.1'N 160°58.8'W	CL	10	250	04	1	060	4-5	5.4	1016.0	8.5	8.0
24	56°07.6'N 160°40.3'W	CL	10	060	10	1	060	4	6.0	1016.1	9.3	8.2

REMARKS

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP	DAY	DATE	TIME ZONE
MILLER FREEMAN	Tues	20 May 03	+8

TIME	POSITION (Lat. and Long.)	PRESENT WEATHER	VISIBILITY (N.M.)	WIND		SEA WAVE HEIGHT (Ft.)	SWELL WAVES		SEA WATER TEMP. °C	SEA LEVEL (M)	TEMPERATURE °C	
				DIR. (True)	SPEED (Kts.)		DIR. (True)	HEIGHT (Ft.)			DRY BULB	WET BULB
01	56° 11.5' N 160° 37.8' W	CL	8	065	15	2	060	4	4.9	1016.0	8.1	7.6
02	56° 21.1' N 160° 47.6' W	PC	10	065	25	3-4	060	4-5	4.6	1016.4	7.0	6.5
03	56° 24.2' N 160° 37.8' W	CL	08	074	25	3-4	060	5	4.7	1016.1	6.5	5.5
04	56° 25.7' N 160° 24.4' W	PC	08	068	25	3-4	080	5	4.5	1016.4	6.6	5.5
05	56° 32.4' N 160° 11.2' W	PC	08	065	25	3-4	075	5	4.9	1016.1	7.0	5.5
06	56° 46.0' N 160° 10.4' W	PC	08	072	19	2-3	075	5	4.6	1017.3	6.2	5.8
07												
08	56° 49.0' N 160° 15.0' W	PC	08	060	15	2-3	075	5	4.5	1018.1	6.4	5.9
09	56° 42.5' N 160° 35.7' W	PC	08	075	23	2	075	5	4.1	1018.1	8.5	6.5
10	56° 40.2' N 160° 44.1' W	PC	08	068	22	2	095	5	4.1	1018.1	7.0	5.2
11	56° 34.0' N 161° 01.7' W	PC	08	070	21	2-4	060	4-8	4.1	1017.6	6.8	5.4
12	56° 25.1' N 161° 00.8' W	PC	08	060	15	3-4	060	4-6	4.1	1018.0	7.5	5.8
13	56° 34.1' N 161° 04.4' W	PC	08	070	18	2-3			4.1	1018.0	8.2	6.8
14												
15			09	060	18	2-3	060	4	4.4	1016.8	9.0	8.0
16	56° 20.6' N 161° 04.8' W	PC	10	069	24	2-3	064	4	5.1	1016.0	9.0	7.5
17	56° 24.0' N 161° 57.0' W	PC	10	054	14	2-3	050	4	5.2	1016.6	6.0	5.0
18	56° 33.6' N 162° 01.5' W	PC	10	059	18	2-3	050	4-5	4.4	1016.8	6.4	5.4
19	56° 35.5' N 161° 55.2' W	PC	10	038	14	2	050	4-5	4.6	1016.6	7.8	6.0
20	56° 40.7' N 161° 38.3' W	CL	10	050	19	1-2	060	4-5	4.5	1016.7	9.5	8.9
21	56° 42.5' N 161° 37.9' W	CL	11	070	11	1-2	065	4	4.5	1016.5	7.0	5.5
22	56° 47.1' N 161° 17.3' W	C	10	051	12	1-3	065	3-4	4.1	1016.4	8.8	8.2
23	56° 50.5' N 161° 08.1' W	PC	10	052	14	1-2	065	3-3	4.1	1016.7	7.2	6.7
24	56° 55.9' N 160° 50.7' W	PC	10	066	9	1-2	060	2	4.2	1016.8	6.5	6.5

REMARKS

REMARKS

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP	DAY	DATE	TIME ZONE
MILLER FREEMAN	WED	21/may/03	+8

TIME	POSITION (Lat. and Long.)	PRESENT WEATHER	VISIBILITY (N.M.)	WIND		SEA WAVE HEIGHT (Ft.)	SWELL WAVES		SEA TEMP. (°C)	SEA PRESSURE (mb)	TEMPERATURE °C	
				DIR. (True)	SPEED (Kts.)		DIR. (True)	HEIGHT (Ft.)			DRY BULB	WET BULB
01	56° 58.3' N 160° 38.2' W	PC	9	35	8	2	060	3	4.1	1017.0	6.5	6.0
02	57° 02.5' N 160° 25.6' W	C	10	040	8	1-2	080	2-3	4.2	1016.8	6.0	5.5
03	56° 55.1' N 160° 18.7' W	C	10	035	08	1-2		3	4.5	1016.0	6.0	5.0
04	56° 44.6' N 160° 08.8' W	C	10	035	10	1	050	2-3	4.9	1015.9	6.9	5.4
05	56° 36.1' N 160° 00.3' W	C	10	035	08	1	050	2-3	4.5	1015.0	7.0	6.0
06	56° 45.8' N 160° 10.2' W	C	10	018	08	1	050	2-3	5.1	1015.0	6.8	6.5
07	56° 48.6' N 160° 14.5' W	PC	10	050	06	4.1			5.0	1015.0	6.5	5.2
08	56° 49.0' N 160° 13.0' W	PC	10	055	08	1			4.9	1015.0	6.5	5.3
09	56° 38.6' N 160° 14.6' W	PC	10	060	17	1			4.9	1015.1	7.0	6.0
10	56° 49.5' N 160° 14.0' W	C	10	080	10	1			5.0	1015.0	9.0	8.5
11	56° 49.8' N 160° 13.7' W	C	10	053	6	1			5.2	1014.5	10.2	8.6
12	56° 49.5' N 160° 13.1' W	HAZE	10	021	6	1-2			5.2	1014.5	11.0	9.7
13	56° 49.4' N 160° 13.8' W	C	12+	020	4				5.2	1014.4	8.0	8.0
14	56° 49.3' N 160° 13.6' W	C	12+	010	8				5.6	1013.1	6.1	6.4
15	56° 49.4' N 160° 13.8' W	C	12	005	8				5.7	1013.1	6.4	6.4
16	56° 49.0' N 160° 13.6' W	C	12	360	13	1			5.6	1011.9	8.0	7.9
17	56° 48.8' N 160° 13.7' W	C	12	355	10	4.1			5.4	1011.5	12.7	11.4
18	56° 48.9' N 160° 13.6' W	C	12	010	10	4.1			5.6	1011.1	12.5	11.2
19	56° 48.9' N 160° 13.2' W	PC	12	358	11	1			5.6	1010.7	9.0	7.0
20	56° 48.8' N 160° 14.3' W	PC	12	000	10	1-2			5.6	1010.0	11.5	10.0
21	56° 48.7' N 160° 15.3' W	PC	12	005	12	1-2			5.5	1009.7	8.5	7.5
22	56° 48.9' N 160° 15.1' W	PC	12	350	14	1-2			5.5	1009.4	8.2	6.7
23	56° 48.6' N 160° 14.9' W	PC	10	213	11	1-2			5.5	1009.7	7.8	7.1
24	56° 48.9' N 160° 15.2' W	PC	10	015	10	1-2			5.4	1009.2	7.4	7.1

REMARKS

DECK LOG -- WEATHER OBSERVATION SHEET

NOAA SHIP MILLER FREEMAN	DAY THURSDAY	DATE 22-MAY-63	TIME ZONE +8
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TIME	POSITION (Lat. and Long.)	PRESENT WEATHER	VISIBILITY (N.M.)	WIND		SEA WAVE HEIGHT (Ft.)	SWELL WAVES		SEA WAVE PERIOD (Sec.)	SEA WAVE DIRECTION (True)	SEA WAVE HEIGHT (Ft.)	SEA WAVE PERIOD (Sec.)	TEMPERATURE °C	
				DIR. (True)	SPEED (Kts.)		DIR. (True)	HEIGHT (Ft.)					DRY BULB	WET BULB
01	56° 49.1' N 160° 13.5' W	PC	12	350	4	—	—	—	5.4	1009.3	7.2	6.8		
02	56° 50.0' N 160° 12.1' W	PC	12	200	5	—	—	—	5.0	1009.0	7.8	7.2		
03	56° 51.2' N 160° 11.5' W	PC	10	250	6	—	—	—	5.4	1008.2	7.0	6.0		
04	56° 49.4' N 160° 13.0' W	PC	10	273	09	41	—	—	5.5	1007.2	6.7	5.1		
05	56° 49.2' N 160° 12.8' W	PC	10	278	08	—	—	—	5.4	1007.2	7.0	6.0		
06	56° 49.5' N 160° 12.4' W	PC	10	305	05	—	—	—	5.4	1007.1	7.1	5.6		
07	56° 49.3' N 160° 13.1' W	PC	10	038	12	41	—	—	5.1	1007.2	9.3	9.1		
08	56° 46.0' N 160° 23.4' W	PC	10	020	13	41	—	—	4.4	1007.5	7.0	6.0		
09	56° 46.5' N 160° 30.4' W	PC	10	020	14	41	—	—	4.2	1007.9	7.0	6.0		
10	56° 35.6' N 160° 57.6' W	PC	10	005	15	41	—	—	4.5	1008.5	7.5	6.3		
11	56° 29.0' N 160° 24.5' W	PC	10	110	10	41	—	—	4.7	1008.9	6.9	5.4		
12	56° 24.0' N 160° 26.7' W	PC	10	013	19	41	—	—	5.9	1009.0	7.0	5.8		
13	56° 18.2' N 160° 58.03' W	PC	10	004	14	1-2	—	—	5.4	1008.7	9.2	8.3		
14	56° 13.9' N 162° 11.1' W	C	10	000	17	2-3	—	—	5.3	1008.6	8.1	7.3		
15	56° 37.0' N 162° 06.2' N	C	10	005	14	2-3	—	—	5.7	1009.0	8.0	6.2		
16	56° 35.5' N 162° 03.0' N	PC	10	349	18	3-4	—	—	5.9	1009.2	11.9	11.0		
17	56° 46.4' N 162° 46.4' W	CL	8	350	20	3-4	—	—	5.9	1009.3	6.2	5.2		
18	56° 55.1' N 162° 58.9' W	CL	08	353	24	3-5	040	3-5	5.9	1010.0	5.5	4.9		
19	55° 55.4' N 163° 10.5' W	CL	08	345	17	3-4	040	4-5	5.9	1010.0	5.5	4.8		
20	55° 55.3' N 163° 13.0' W	CL	08	340	21	4-5	—	—	5.9	1011.0	5.5	4.7		
21	55° 45.3' N 163° 16.0' W	CL	08	345	21	4-5	—	—	5.9	1011.0	5.1	5.7		
22	55° 38.9' N 163° 21.9' W	CL	08	355	19	4-5	010	3-4	5.5	1016.8	6.5	4.8		
23	55° 34.9' N 163° 21.8' W	CL	06	347	09	3-4	010	3-4	6.7	1011.7	7.1	6.3		
24	55° 31.7' N 163° 33.4' W	CL	08	000	14	3-4	010	4-5	5.9	1011.2	4.0	3.2		

REMARKS

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP	DAY	DATE	TIME ZONE
MILLER FREEMAN	FRIDAY	23-may-03	+8

TIME	POSITION (Lat. and Long.)	PRESENT WEATHER	VISIBILITY (N.M.)	WIND		SEA HEIGHT (Ft.)	SWELL WAVES		SEA TEMPERATURE (°C)	WET BULB	TEMPERATURE °C
				DIR. (True)	SPEED (Kts.)		DIR. (True)	HEIGHT (Ft.)			
01	33°28.1'N 163°44.6'W	PC	12	350	18	3-4	010	4-5	5.9	1011.3	6.2
02	33°20.6'N 164°09.1'W	CL	10	015	015	3		5	6.0	1011.5	7.0
03											
04	33°17.0'N 164°19.6'W	CL	08	350	15	2-3	355	5	6.3	1011.2	5.1
05	33°13.5'N 164°31.3'W	CL	08	010	08	2-3			6.0	1012.0	7.0
06	33°10.0'N 164°42.8'W	CL	07	359	16	2	350	4-5	6.1	1011.5	4.5
07	33°06.5'N 164°54.0'W	CL	08	330	14	2	350	4-5	6.0	1012.0	6.2
08	33°02.9'N 165°04.4'W	CL	08	000	16	3-4			6.1	1012.1	5.9
09	33°10.7'N 165°13.5'W	CL	06	310	14	2-3	010	4-5	5.6	1012.5	6.5
10	33°16.4'N 165°17.9'W	CL	06	000	17	2-3	000	4-5	5.6	1012.2	5.8
11	33°17.6'N 165°32.4'W	CL	06	350	18	2-3	000	5	5.4	1012.5	6.5
12	33°09.1'N 165°41.0'W	CL	8	355	14	3	000	4-5	5.3	1012.2	6.0
13	33°05.1'N 165°37.6'W	CL	8	345	15	3-4	020	5	5.3	1012.3	5.9
14	33°05.8'N 165°29.0'W	CL	08	345	18	3-4	020	4-6		1012.5	5.3
15	33°03.1'N 165°16.5'W	CL	08	350	17	3-4	020	4-6	5.3	1012.2	8.6
16	33°04.8'N 165°05.1'W	PC	08	345	18	3-5	020	4-5	6.0	1011.9	5.9
17	33°09.4'N 165°03.5'W	CL	08	340	13	4-5	020	4-6	5.8	1011.8	9.8
18	33°07.8'N 166°00.3'W	CL	8	345	12	4-5	000	6	5.7	1011.0	9.0
19	33°01.9'N 166°04.4'W	CL	08	344	13	2-3	340	4-5	5.7	1011.0	4.6
20	33°02.4'N 166°20.4'W	CL	08	355	11	2-3	020	4-5	5.6	1011.0	4.6
21	33°04.2'N 166°27.0'W	CL	08	347	14	2-4	020	3-5	5.5	1011.0	5.6
22	33°05.8'N 166°42.1'W	CL	08	345	14	2-4	020	3-5	5.7	1010.4	6.4
23	33°07.1'N 166°37.6'W	CL	08	340	20	1-3	020	3-5	6.0	1010.4	6.6
24	33°08.2'W	CL	08	330	19	1-3	020	3-4	5.5	1010.2	6.7

REMARKS

0200 weather NOT OBSERVED

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP	DAY	DATE	TIME ZONE
MILLER FREEMAN	SAT.	24 MAY 03	+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												
02												
03	54° 27.6' N 166° 58.3' W	CL	08	320	16	2-3	/		6.1	1009.9	5.5	4.5
04	54° 26.9' N 167° 01.6' W	CL	07	316	10	1	-		5.9	1009.5	5.4	3.9
05	54° 20.6' N 166° 54.4' W	CL	08	280	16	1-2	/		6.2	1009.1	8.0	7.2
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REMARKS