

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP	DAY	DATE	TIME ZONE
MILLER FREEMAN	THURSDAY	06 FEB 2003	+9

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	56.46.1 N 153.37.7 W	CL	8	170	16	8-10	—	—	5.6	1019.0	5.9	3.8
02	56.38.9 N 153.55.4 W	CL	10	150	14	5-8	—	—	5.3	1019.7	5.3	3.7
03	56.41.5 N 154.13.6 W	CL	10	142	10	2-4	—	—	5.0	1019.9	5.3	4.5
04	56.31.9 N 154.04.2 W	CL	10	150	8	2-4	/	/	4.7	1020.3	6.2	5.2
05	56.52.0 N 154.01.0 W	CL	10	160	6	72	/	/	4.6	1021.5	5.1	4.1
06	56.52.0 N 154.01.0 W	CL	10	133	6	72	/	/	4.5	1021.5	4.6	3.8
07	56.52.0 N 154.01.0 W	CL	10	120	8	72	/	/	4.5	1022.2	4.5	4.5
08	56.52.4 N 154.01.6 W	CL	10	110	15	1-2	/	/	4.6	1022.0	4.5	4.0
09	56.52.7 N 154.01.6 W	CL PE	10	110	12	1-2	220	2-	4.5	1023.5	4.9	3.7
10	56.52.4 N 154.01.6 W	PC	10	092	17	1-2	220	2	4.6	1023.8	4.7	3.8
11	56.52.4 N 154.01.6 W	PC	10	101	17	1-2	220	1	4.5	1024	5.1	3.9
12	Anchor OPS											
13	56.50.7 N 154.07.6 W	CL	10	Drills		1-3	—	—	—	—	—	—
14	Drills											
15	56.39.6 N 154.03.7 W	CL	8	092	24	1-4	/	/	5.1	1020.0	5.4	5.0
16	56.31.9 N 154.56.2 W	CL	8	090	27	3-6	120	3-6	5.0	1019.5	5.2	5.0
17	56.25.8 N 155.12.8 W	CL	8	100	28	3-8	120	1010	5.6	1018.0	5.7	5.5
18	56.21.0 N 155.25.9 W	CL	6	094	29	9-12	/	/	5.7	1017.0	5.9	5.7
19	56.13.1 N 155.46.6 W	CL	6	100	28	9-12	/	/	5.6	1017.0	5.4	5.2
20	56.08.8 N 155.58.5 W	CL/R	6	109	28	10-12	/	/	5.9	1016.0	5.7	5.8
21	56.02.4 N 156.14.9 W	CL/R	4	96	33	12-15	—	—	5.8	1014.5	5.7	5.7
22	56.56.2 N 156.31.5 W	CL/R	6	94	29	15-18	—	—	6.1	1013.9	5.9	5.7
23	56.51.9 N 156.50.5 W	CL/R	72	126	24	15-30	—	—	5.9	1012.5	6.0	5.9
24	56.48.17 N 157.08.65 W	F	71	120	32	15-20	—	—	5.7	1011.2	5.9	5.9

REMARKS SAT ON THE HOOK IN AITAK BAY FOR CALIBRATIONS

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP	DAY	DATE	TIME ZONE
MILLER FREEMAN	FRIDAY	7 FEB. 03	+9

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°44.30' N 157°25.46' W	F	1	121	30	15-20	—	—	5.6	1013.8	5.9	5.9
02	55°41.0' N 157°45.0' W	F	1	115	26	15-20	✓	✓	5.6	1010.0	6.0	6.0
03	55°38.6' N 157°36.7' W	F	1/2	120	23	15-20	✓	✓	5.6	1009.2	6.0	6.0
04	55°34.8' N 158°16.2' W	CL	3-5	118	25	10-15	✓	✓	5.6	1009.2	6.5	6.1
05	55°31.4' N 158°33.5' W	F	1	130	22	10-15	✓	✓	5.6	1009.0	6.5	6.1
06	55°21.4' N 158°50.0' W	L	<1	125	21	10-14	✓	✓	5.6	1008.2	6.1	6.0
07	55°14.2' N 159°03.6' W	L	2	124	22	8-12	—	—	5.6	1009.0	5.7	5.9
08	55°10.5' N 159°07.3' W	L	2	155	15	8-12	✓	✓	6	1009.7	6.0	5.8
09	55°13.9' N 159°04.8' W	CL	5	145	15	3-5	130	8-12	5.6	1010.2	6.5	6.2
10	55°11.4' N 159°05.4' W	L	2	125	15	3-5	135	8-12	5.6	1011.0	7.0	6.3
11	55°11.8' N 159°13.6' W	F	1	130	10	3-5	140	6-5	5.6	1011.0	6.5	6.0
12	55°19.8' N 159°08.1' W	F	1	120	09	3-5	130	6-8	5.6	1011.0	7.2	6.1
13	55°29.7' N 159°03.3' W	F	<1	105	09	3-5	130	6-8	5.5	1011.2	7.3	7.0
14	55°22.6' N 159°15.4' W	F	2	81	17	3-5	160	6-8	5.5	1010.1	5.9	6.0
15	55°15.6' N 159°24.7' W	CL	7	100	15	3-5	150	8	5.5	1009.5	6.1	6.0
16	55°24.6' N 159°23.3' W	CL	7	066	8	2-4	145	6-8	5.5	1008.8	5.9	5.7
17	55°30.5' N 159°27.7' W	F	<1	072	12	2-4	150	7-9	5.4	1009.0	6.3	6.2
18	55°34.4' N 159°34.4' W	L	1	086	12	2-4	170	6-8	5.5	1008.9	6.0	6.0
19	55°18.1' N 159°50.1' W	CL	6-7	120	08	2-3	070	4	5.5	1009.0	6.2	6.1
20	56°28.3' N 159°40.1' W	CL/F	4-5	101	05	2-3	—	—	5.5	1009.2	5.9	5.9
21	55°31.3' N 159°47.9' W	CL/F	>1	070	13	1-2	—	—	5.1	1009.0	6.1	6.0
22	55°22.9' N 160°01.6' W	CL	2-4	099	10	1-2	—	—	5.5	1009.8	6.3	6.0
23	55°31.0' N 159°57.7' W	CL	2-3	89	09	1-2	—	—	5.2	1010.1	5.7	5.4
24	55°36.5' N 159°49.4' W	CL	7	092	10	1-2	✓	✓	5.3	1010.2	7.7	7.3

REMARKS

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP	DAY	DATE	TIME ZONE
MILLER FREEMAN R223	SATURDAY	05FEB2003	+9

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°40.93'N 159°50.72'W	CL	6	087	10	2-3	-	-	5.1	1010.6	6.0	5.8
02	55°41.1'N 159°51.5'W	F	0.1	110	12	2-3	-	-	5.1	1011.3	7.0	6.6
03	55°39.3'N 159°46.4'W	F	0.1	100	13	1-2	-	-	5.1	1011.3	5.7	5.7
04	55°39.9'N 159°43.9'W	PC	6	125	10	1-2	-	-	5.3	1011.2	6.7	6.5
05	55°45.4'N 159°55.4'W	PC F	0.2	080	10	1	-	-	5.0	1012.0	7.9	7.5
06	55°46.52'N 159°35.72'W	PC	6	113	10	1-2	-	-	5.1	1011.5	6.2	6.5
07	55°44.52'N 159°53.49'W	PC	6	095	14	1-2	-	-	5.1	1011.8	5.9	6.0
08	55°34.5'N 160°04.0'W	PC	6	085	16	2-4	-	-	5.3	1016.8	5.7	5.9
09	55°35.9'N 160°04.9'W	PC	7	095	8	1-3	140	3-5	5.1	1012.5	6.8	6.7
10	55°31.0'N 160°12.1'W	F	0.1	113	12	1	100	2-4	5.3	1013.1	5.5	5.5
11	55°36.42'N 160°16.6'W	F	.5	070	16	1-2	160	3	5.3	1014.5	6.5	6.5
12	55°33.1'N 160°16.0'W	CL	5	101	11	1-2	070	2-3	5.3	1014.2	5.7	5.2
13	55°34.7'N 160°18.6'W	CL	2-5	100	10	2	080	2-3	5.3	1014.3	5.1	5.0
14	55°34.1'N 160°19.5'W	CL	2-3	120	13	1-2	080	2-3	5.1	1014.3	4.9	4.7
15	55°34.3'N 160°12.1'W	CL/F	2-3	110	17	2-3	080	2-3	5.3	1014.5	7.0	6.2
16	55°35.3'N 160°18.0'W	F	1-2	105	16	3-4	090	2-3	5.3	1014.0	7.5	7.0
17	55°34.8'N 160°13.5'W	F/CL	2-3	095	12	2-3	090	2-3	5.3	1014.0	7.2	6.8
18	55°33.6'N 160°12.9'W	F/CL	2-3	100	17	3-4	090	2-3	5.3	1013.5	6.2	6.0
19	55°34.7'N 160°10.1'W	F	<1	110	17	3-4	090	2-3	5.3	1014.0	5.3	5.2
20	55°33.4'N 160°11.6'W	CL/F	5	070	14	2-3	-	23	5.2	1013.2	5.2	5.2
21	55°35.5'N 160°10.6'W	CL/F	3	085	22	2-3	-	-	5.3	1014.0	6.1	5.9
22												
23												
24	55°34.5'N 160°16.5'W	CL/RW	3	080	19	2-3	-	-	5.3	1013.0	5.6	5.4

REMARKS

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP	DAY	DATE	TIME ZONE
MILLER FREEMAN R223	SUNDAY	09 FEB 03	+9

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°29.14'N 160°14.92'W	PC	4	080	20	2-4	—	—	5.3	1011.8	5.7	5.7
02	55°30.6'N 160°23.5'W	PECL	3-5	075	25	4	—	—	5.3	1011.5	5.8	5.7
03	55°27.8'N 160°23.1'W	L	3	081	18	4	—	—	5.0	1011.0	5.7	5.7
04	55°27.8'N 160°23.8'W	L	5	085	10	3-4	—	—	5.1	1010.1	6.5	6.1
05	55°27.0'N 160°30.0'W	F	1	120	14	3-4	—	—	5.1	1009.5	7.2	7.0
06	55°28.6'N 160°34.9'W	L	5	120	17	3-4	—	—	5.1	1009.1	7.3	6.9
07	55°27.0'N 160°30.2'W	CL	8	125	14	3-4	—	—	5.1	1009.0	6.5	6.1
08	55°25.5'N 160°21.8'W	CL	8	130	11	2-4	—	—	5.2	1009.3	6.7	6.2
09	55°19.0'N 160°12.2'W	CL	8	140	14	2-4	—	—	5.3	1009.2	5.0	5.2
10	55°13.6'N 160°06.6'W	CL	8	015	12	1-2	—	—	5.5	1009.9	5.9	5.0
11	55°12.8'N 160°15.5'W	CL	5	170	10	2-4	—	—	5.3	1009.9	6.0	5.5
12	55°10.2'N 160°16.4'W	CL	2	155	18	1-4	—	—	5.4	1010.5	5.7	5.4
13	55°07.9'N 160°18.1'W	CL/Fog	1/2	185	21	2-4	—	—	5.3	1010.5	5.2	5.2
14	55°06.1'N 160°21.6'W	CL/F	1	177	12	2-4	—	—	5.3	1010.2	6.2	6.0
15	55°06.1'N 160°22.1'W	CL	6	190	18	4-6	—	—	5.3	1011.0	6.9	6.3
16	55°03.8'N 160°25.1'W	CL	2	175	11	4	240	5	5.4	1010.8	5.3	5.0
17	55°00.9'N 160°23.2'W	CL	2-4	159	14	2-4	200	5	5.4	1011.2	5.4	4.8
18	55°01.6'N 160°33.8'W	CL	1-2	160	08	2-4	210	4-5	5.3	1011.7	4.7	4.3
19	54°54.5'N 160°53.4'W	CL	5-7	135	06	2-4	210	5	5.4	1011.2	4.2	3.9
20	54°49.7'N 161°02.8'W	CL/F	2-3	119	05	2-3	—	—	5.4	1010.9	4.0	3.9
21	54°43.2'N 161°08.9'W	CL/F	3-4	130	04	2-3	—	—	5.2	1010.7	4.6	4.0
22	54°38.1'N 161°47.2'W	CL/F	4	110	06	1-2	200	5	5.4	1010.6	4.8	4.2
23	54°34.5'N 162°08.4'W	CL	7	080	10	1-2	200	5	5.2	1010.9	4.9	4.7
24	54°31.4'N 162°20.2'W	CL	6	093	09	1-2	190	2-4	5.2	1011.0	4.0	3.9

REMARKS

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP	DAY	DATE	TIME ZONE
MILLER FREEMAN ^R 223	MONDAY	10 FEB. 2003	+9

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	54° 34.12' N 162° 26.27' W	L	4	052	4	1-2	155	2-5	5.2	1010.4	4.0	4.0
02	54° 29.4' N 162° 35.0' W	L	7	061	5	1-2	150	2-5	5.1	1010.4	5.0	5.0
03	54° 32.8' N 162° 40.4' W	L	7	040	10	1-2	150	2-5	5.2	1009.2	4.7	4.0
04	54° 32.4' N 162° 41.4' W	CL	10	010	12	2-3	150	2-5	5.3	1008.7	4.3	3.7
05	54° 34.7' N 162° 35.9' W	CL	8	025	13	2-3	150	2-5	5.2	1008.0	4.8	4.1
06	54° 39.4' N 162° 30.8' W	CL	8	013	16	2-3	250	3-5	5.0	1007.8	4.9	4.1
07	54° 41.7' N 162° 35.3' W	CL	8	350	23	4-6	040	3-5	5.1	1007.0	3.9	3.9
08	54° 41.6' N 162° 34.2' W	P.C.	8	000	17	3-5	040	3-5	5.1	1007.0	5.0	4.2
09	54° 43.9' N 162° 41.0' W	P.C.	8	001	19	4-6	040	3-5	5.1	1007.0	4.3	3.5
10	54° 44.3' N 162° 32.8' W	P.C.	8	000	15	4-6	050	3-5	4.9	1007.0	5.0	4.2
11	54° 48.6' N 162° 48.0' W	P.C.	10	340	10	3	—	5	5.0	1007.1	6.0	5.5
12	54° 43.5' N 162° 41.5' W	P.C.	10	320	14	1-3	045	3-4	5.1	1007.0	4.0	4.0
13	54° 41.3' N 162° 37.2' W	P.C.	12	000	17	3	040	4	5.0	1006.7	6.5	5.8
14	54° 37.8' N 162° 32.5' W	CL	10	353	20	2-4	050	3	5.2	1016.3	6.0	5.0
15	54° 32.4' N 162° 26.0' W	CL	10	348	22	2-4	130	3	5.2	1005.5	6.6	5.6
16												
17	54° 37.8' N 161° 45.2' W	CL	10	347	23	2-5	135	5	5.3	1003.4	4.7	4.2
18	54° 42.9' N 161° 31.2' W	CL	10	350	22	5-6	035	4-5	5.2	1003.0	4.7	4.1
19	54° 49.9' N 161° 11.7' W	CL	6-7	005	14	4-5	035	4-5	5.4	1003.1	4.9	4.6
20	54° 55.8' N 160° 55.9' W	CL	6	358	16	3-4	—	—	5.3	1003.1	4.9	4.8
21	55° 00.3' N 160° 40.5' W	CL/F	5	020	20	2-3	—	—	5.3	1003.7	5.0	5.0
22	55° 07.7' N 160° 20.7' W	F	2	043	08	2-3	—	—	5.3	1003.2	5.8	5.8
23	55° 14.6' N 160° 03.4' W	F	17	011	03	1-2	—	—	5.5	1003.3	6.6	6.3
24	55° 17.4' N 160° 57.0' N	CL	5	100	10	2	—	—	5.3	1003.5	6.8	6.5

REMARKS

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP

MILLER FREEMAN

DAY

TUESDAY

DATE

11 FEB. 03

TIME ZONE

+9

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° 23.11' N 159° 29.37' W	CL	10	057	7	2-4	-	-	5.5	1004.1	6.5	6.0
02	55° 26.7' N 159° 09.4' W	CL	10	060	8	2-4	/	/	5.5	1004.1	6.2	6.1
03	55° 29.8' N 158° 51.4' W	CL	10	040	6	2-4	/	/	5.5	1003.5	6.2	6.0
04	55° 32.8' N 158° 34.2' W	CL	10	080	9	2-7	/	/	5.5	1003.3	6.1	5.7
05	55° 36.2' N 158° 15.2' W	CL	10	075	9	2-4	/	/	5.6	1003.1	6.1	5.7
06	55° 40.02' N 157° 53.92' W	CL	8	170	6	2-3	030	5	5.7	1003.1	6.0	5.8
07	55° 43.21' N 157° 35.54' W	CL	10	160	7	1-2	110	5	5.8	1002.9	6.0	5.7
08	55° 47.3' N 157° 11.3' W	CL	10	150	10	1-3	110	4-6	5.7	1002.3	6.1	5.7
09	55° 49.6' N 157° 41.4' W	CL	10	150	10	1-3	110	4-6	5.7	1002.0	6.1	5.7
10	55° 54.2' N 156° 37.2' W	CL	10	150	10	1-3	135	4-6	5.9	1003.0	6.7	6.0
11	55° 56.5' N 156° 16.6' W	CL	08	165	08	1-3	135	6	5.8	1003.0	6.7	6.0
12	55° 58.8' N 156° 01.5' W	CL	3	178	10	1-2	135/210	4-5	5.8	1003.5	6.9	6.2
13	56° 02.9' N 155° 33.2' W	CL	5-8	187	07	1-2	115/190	4/4	5.8	1003.3	5.2	5.0
14	56° 06.5' N 155° 14.3' W	CL	8-10	138	05	1-2	110	3/4	5.7	1003.0	7.1	6.6
15	56° 08.3' N 154° 51.4' W	CL	10	183	05	1-2	100/220	3/4	6.1	1002.8	7.5	6.8
16	56° 13.0' N 154° 34.9' W	CL	10	198	02	1-2	145	4-6	5.8	1002.7	5.8	4.8
17	56° 16.1' N 154° 15.5' W	CL	10	219	04	1-2	150	4-6	6.1	1002.9	5.3	4.9
18	56° 18.7' N 154° 00.1' W	CL	10	230	06	1-2	160	4-6	6.5	1002.9	5.7	5.2
19	56° 22.5' N 153° 37.4' W	CL	10	225	14	1-2	150/50	4-6	5.7	1003.2	6.5	5.9
20	56° 25.3' N 153° 16.1' W	CL	8	216	10	1-2	145	3-4	6.4	1003.8	7.1	6.2
21	56° 25.8' N 153° 15.7' W	CL	8	235	10	1-2	146	3-4	6.5	1003.5	6.8	6.0
22	56° 30.1' N 152° 58.0' W	CL	8	227	10	1-2	-	-	6.3	1004.1	6.0	5.1
23	56° 40.1' N 152° 56.5' W	CL	10	224	14	1-2	145	3-5	6.3	1004.2	5.7	5.1
24	56° 47.2' N 152° 49.5' W	CL	10	229	17	2-3	145	3-5	5.7	1004.3	5.8	5.1

REMARKS

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP

MILLER FREEMAN

DAY

WED.

DATE

12 FEB. 03

TIME ZONE

+9

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	57.00.5 N 152.34.5 W	CL	10	228	15	1-3	140	3-5	6.0	1005.1	5.7	5.3
02	57.14.2 N 152.18.5 W	CL	10	200	09	2-4	/	/	6.0	1005.1	5.9	5.5
03	57.21.0 N 152.11.4 W	CL	10	217	13	2-4	/	/	5.8	1005.2	6.0	5.3
04	57.32.9 N 152.06.0 W	CL	10	214	17	2-4	150	3-4	5.3	1005.2	5.5	5.0
05	57.43.0 N 152.03.4 W	CL	10	190	12	2-4	150	3	5.2	1004.8	5.0	4.7
06	57.48.6 N 152.23.0 W	CL	10	187	7	1-2	/	/	5.1	1005.1	5.2	4.2
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REMARKS