

## DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP	DAY	DATE	TIME ZONE
MILLER FREEMAN	Thursday	22, 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	54°25.6'N 163°45.3'W	CL	6	400	18	/	/	/	3.1	1016.5	2.0	1.9
02	54°36.0'N 163°42.0'W	CL	6	354	22	/	/	/	2.0	1015.5	2.0	1.9
03	54°46.0'N 163°40.0'W	CL	6	000	16	/	/	/	2.5	1015.5	2.1	1.9
04	54°53.3'N 164°04.9'W	CL	8	005	17	3-5	/	/	2.8	1015.1	2.1	1.9
05	54°59.7'N 164°03.2'W	CL	8	355	15	3-5	/	/	2.3	1015.0	2.0	1.8
06	55°03.9'N 164°05.2'W	CL	8	350	17	3-5	/	/	2.2	1014.5	2.0	1.6
07	55°08.3'N 163°56.8'W	CL	10	350	17	2-4	320	2-4	2.1	1014.5	2.0	1.5
08	55°08.8'N 163°54.3'W	CL	10	340	13	2-4	320	3	2.1	1014.9	4.1	3.2
09	55°09.0'N 163°54.1'W	CL	10	340	16	2-4	320	3	2.1	1015.1	2.5	1.9
10	55°15.0'N 163°58.0'W	CL	10	340	15	2-4	320	3	2.1	1015.5	2.5	1.9
11	55°14.1'N 163°57.3'W	CL	10	355	15	2-4	320	3-4	2.1	1015.6	2.9	2.0
12	55°14.8'N 163°57.8'W	CL	10	355	16	2-4	320	3-4	2.1	1015.9	3.9	2.4
13	55°14.8'N 163°57.7'W	CL	10	350	14	2-4	320	3-4	2.1	1016.0	3.1	2.1
14	55°14.8'N 163°57.7'W	CL	10	348	15	2-4	320/030	3-4	2.1	1016.5	4.4	2.9
15	55°17.4'N 164°00.0'W	CL	10	355	15	2-4	320/035	3-4	2.1	1016.6	4.7	2.6
16	55°23.8'N 164°06.0'W	CL	10	335	13	2-4	340	3	2.3	1017.9	3.2	2.9
17	55°24.8'N 164°07.1'W	CL	10	315	13	2-4	020	3-4	2.4	1017.1	1.9	1.3
18	55°29.3'N 163°51.1'W	CL	10	330	11	3-5	020	3-5	2.4	1017.0	1.5	.8
19	55°33.7'N 163°33.7'W	CL	10	325	10	2-4	020	3-5	2.2	1016.9	1.5	.4
20	55°37.6'N 163°18.4'W	CL	10	312	12	2-4	020	3-5	2.0	1017.0	1.9	1.0
21	55°41.7'N 163°02.5'W	CL	10	315	11	2-4	030	3-4	1.7	1017.1	1.7	.9
22	55°47.2'N 162°42.8'W	CL	10	311	12	2-3	040	3-4	1.6	1017.4	.8	.2
23	55°45.9'N 162°31.8'W	CL	4	241	4	2-3	035	3-4	.8	1018	0.2	0
24	55°55.4'N 162°10.2'W	CL	4	292	10	2-3	037	2-4	0.7	1018.5	0.0	0

REMARKS

# DECK LOG - WEATHER OBSERVATION SHEET

NOAA FORM 77-13D (3-76) SUPERSEDES NOAA FORM 77-13D (7-72). EXISTING STOCK SHOULD BE DESTROYED UPON RECEIPT OF REVISION.

# DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP MULLER FREEMAN	DAY SATURDAY	DATE 24 APR 1999	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 WATER TEMP. °C	SEA LEVEL PRESSURE (mb)	TEMPERATURE °C	
				DIR. (True)	SPEED (Kts.)		DIR. (True)	HEIGHT (Ft.)			DRY BULB	WET BULB
01	56° 56.0' N 163° 49.7' W	CL	10	340	25	7-9	035	8-10	-0.8	1030.0	-4.0	-4.0
02	56° 56.0' N 163° 40.1' W	CL	10	319.0	27	7-9	035	8-10	-0.8	1031.0	-3.0	-3.0
03	56° 46.7' N 163° 48.1' W	CL	10	330	21	4-5		8-10	-0.6	1032.0	-2.0	-2.5
04	56° 45.9' N 164° 01.2' W	N10	10	340	25	4-6		8-10	-3.6	1032.0	-4.0	-4.0
05	56° 44.7' N 164° 03.5' W	CL	10	350	24	4-6	035	8-10	-.1	1031.5	-2.5	-3.0
06	56° 45.9' N 164° 19.4' W	CL	10	322	20	3-5	350	7-10	0.30	1032.0	-3.5	-3.5
07	56° 43.3' N 164° 16.9' W	CL	10	330	20	3-5	340	7-9	0.30	1032.1	-3.0	-3.0
08	56° 46.8' N 164° 15.0' W	CL	10	325	20	4-5	290	7-9	0.3	1032.2	-3.0	-3.0
09	56° 51.3' N 164° 05.9' W	CL	10	315	20	4-6	290	6-8	-0.1	1032.1	-3.1	-3.1
10	56° 52.0' N 164° 03.8' W	CL	10	305	18	4-6	290	5-6	-0.2	1032.1	-2.0	-2.0
11	56° 51.5' N 164° 03.3' W	CL	10	305	14	4-6	290	5-6	-0.3	1032.0	-1.4	-1.4
12	56° 52.56' N 164° 06.53' W	CL	10	316	14	4-6	288	5-6	0-3	1032.0	0	0
13	56° 52.6' N 164° 04.6' W	CL	10	310	17	4-6	290	5-6	-0.4	1031.9	1.4	1.5
14	56° 52.5' N 164° 03.9' W	CL	10	300	17	4-6	290	4-6	-0.4	1031.4	2.5	1.1
15	56° 52.4' N 164° 03.1' W	CL	10	290	19	4-6	290	4-6	-0.4	1031.0	0.9	0.9
16	56° 52.9' N 164° 03.3' W	CL	10	288	17	4-6	270	6-7	-0.3	1030.5	1.5	0.4
1715	56° 52.4' N 164° 04.3' W	CL	10	300	22	3-5	270	8-10	-0.27	1030.1	1.8	0.9
18	56° 52.4' N 164° 02.0' W	CL	10	300	22	3-5	270	6-8	-0.36	1030.2	0.6	0.0
19	56° 52.2' N 163° 57.8' W	CL	10	300	21	3-5	270	6-8	-0.4	1031.1	0.1	0.0
20	56° 51.3' N 163° 59.3' W	CL	10	305	21	3-5	270	6-8	-0.5	1029.9	0.6	0.0
21	56° 51.8' N 164° 01.3' W	CL	10	300	23	3-5	270	6-8	-0.4	1029.8	0.2	-0.1
22	56° 52.5' N 164° 03.2' W	CL	10	300	19	4-6	270	6-8	-0.5	1029.8	0.0	-0.1
23	56° 52.5' N 164° 03.7' W	CL	10	300	18	4-5	270	6-8	-0.6	1030.0	0.1	-0.1
24	56° 52.5' N 164° 05.45' W	CL	10	300	16	4-5	286	6-8	-0.5	1030.0	0.1	-0.1

REMARKS

NOAA SHIP	DAY	DATE	TIME ZONE
MILLER FREEMAN	Sunday	25 APRIL 94	+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°01. N 164°12 W	CL	10	286	17	4-6	/	/	0.7	1030.0	-0.0	-0.5
02												
03	57°03.92 N 164°02.01 W	CL	10	293	18	3-6	280	3-6	0.7	1031.0	-0.0	-0.0
04	57°10.0 N 163°54.8 W	CL	10	285	16	3-4	280	3-4	-1.2	1030.0	0.0	-0.9
05	57°14.2 N 163°45.3 W	CL	10	290	15	3-4	280	3-4	-1.1	1029.5	0.0	-0.9
06	57°18.3 N 163°37.1 W	CL	10	290	12	2-3	280	2-3	-1.4	1029.1	0.0	0.0
07	57°19.7 N 163°35.1 W	CL	10	290	14	0-1	240	2-3	-1.4	1028.9	0.5	0.2
08	57°17.7 N 163°35.2 W	CL	10			0-2	260	1-2	-	1028.9	0.4	0.2
09	57°22.7 N 163°32.4 W	CL	10	285	14	0	240	1-2	-1.4	1029.0	0.0	-0.8
10	57°25.2 N 163°23.2 W	CL	10	284	11	0	0	0	-1.3	1028.9	0.2	-0.2
11	56°24.4 N 163°24.5 W	CL	10	290	10	0	0	0	-1.4	1028.9	0.1	-0.3
12	57°14.17 N 163°33.04 W	CL	10	297	11	0	0	0	-1.3	1029.0	2.0	1.0
13	57°17.08 N 163°41.7 W	CL	10	230	11	2	224	1	-1.2	1029.0	2.0	1.0
14	57°05.14 N 163°05-14 W	CL	10	230	15	1-2	210	2-4	-1.0	1029.5	2.0	1.0
15	56°54.0 N 164°02.3 W	CL	10	295	12	1-2	240	2-4	-0.6	1029.5	2.5	1.0
16	56°47.8 N 164°19.6 W	CL	10	325	07	0-1	270	3-4	0.3	1029.5	3.0	1.3
17	56°42.6 N 164°38.4 W	CL	10	285	06	0-1	270	3-4	0.57	1029.5	4.0	2.0
18	56°37.3 N 164°57.5 W	CL	10	245	04	<1	270	2-4	1.1	1029.1	3.5	1.9
19	56°31.9 N 165°16.9 W	CL	10	295	05	0-1	270	2-3	1.2	1028.9	4.0	2.1
20	56°26.9 N 165°35.2 W	CL	10	139	02	0	270	2	0.8	1029.0	3.0	1.9
21	56°21.5 N 165°55.2 W	CL	10	199	03	0	280	2-3	2.2	1029.0	3.2	1.1
22	56°16.4 N 166°18.2 W	CL	10	110	3	0	280	2-3	1.3	1028.7	1.8	0.9
23	56°12.6 N 166°30.2 W	CL	10	LT AIRS		0	280	2	2.3	1028.1	2.1	1.0
24	56°11.14 N 166°23.04 W	CL	10	LT AIRS		0	280	1	2.1	1028.1	4.0	1.0

REMARKS

66-13 IN SEA ICE, BROKEN

## DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP	DAY	DATE	TIME ZONE
MILLER FREEMAN	Monday	26, APRIL, 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	56°10.13'N 166°06.16'W	CL	10	139	7	0	0	0	21.0	1028.0	21.0	1.0
02	56°04.74'N 166°07.24'W	CL	10	125	6	—	—	—	2.8	1027.5	1.5	-0.5
03	56°03.10'N 166°09.51'W	CL	10	124	8	—	190	1-2	0.4	1027.0	1.0	0
04	56°05.81'N 166°12.91'W	CL	10	135	10	0-1	190	2-3	2.4	1026.9	1.5	0.0
05	56°03.2 166°19.2	CL	10	108	7	0-1	120	1-2	2.4	1026.0	2.7	0.9
06	56°03.31'N 166°18.71'W	CL	10	123	12	0-1	120	2-3	2.4	1025.9	1.5	0.0
07	56°03.81'N 166°39.41'W	CL	10	120	11	0-1	120	1-2	2.3	1025.2	1.0	0.0
08	56°05.01'N 166°34.21'W	CL	10	106	14	0-1	130	1-2	2.3	1024.9	2.5	1.0
09	56°00.41'N 166°54.51'W	CL	10	160	15	1	160	1-2	2.2	1024.0	2.1	1.0
10	56°02.01'N 167°20.01'W	CL	10	122	18	1	150	2-3	2.3	1023.2	1.7	1.1
11	56°03.41'N 167°38.51'W	CL	10	122	21	1-2	150	2-3	2.4	1022.2	2.0	1.0
12	56°06.13'N 167°59.19'W	CL	10	123	22	1-2	150	2-4	2.4	1022.2	2.0	1.0
13	56°07.70'N 168°22.01'W	CL	10	115	25	2-4	122	2-4	2.5	1021.8	2.0	1.0
14	56°08.93'N 168°45.01'W	CL	10	120	24	2-4	109	2-4	2.5	1020.0	2.0	1.0
15	56°10.67'N 169°05.65'W	CL	10	117	24	3-4	110	4-6	2.7	1019.4	2.0	1.0
16	56°10.62'N 169°20.21'W	CL	10	123	24	3-4	120	4-6	2.6	1018.4	1.9	1.0
17	56°11.81'N 169°22.51'W	CL	10	125	24	5-7	120	6-8	2.5	1016.1	3.9	3.3
18	56°07.81'N 169°18.11'W	CL	10	125	23	5-7	120	6-8	2.4	1016.1	2.1	1.5
19	56°05.81'N 169°15.71'W	CL	10	125	20	5-7	120	6-8	2.7	1016.1	2.5	2.0
20	56°04.31'N 169°18.91'W	CL	10	120	24	5-7	130	6-8	2.8	1016.1	2.1	3.1
21	56°23.61'N 169°20.01'W	CL	10	120	20	5-7	130	6-8	2.5	1016.1	2.8	1.9
22	56°28.41'N 169°19.41'W	CL	10	110	22	4-6	130	6-8	2.3	1016.1	2.6	1.8
23	56°34.61'N 169°06.11'W	CL	10	107	26	4-6	140	6-8	2.1	1016.1	2.5	1.8
24	56°04.05'N 169°07.81'W	CL	10	119	22	4-6	140	6-8	2.6	1017.1	3.0	2.5

REMARKS

## DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP <b>MILLER FREEMAN</b>	DAY <b>Tuesday</b>	DATE <b>27 April 99</b>	TIME ZONE <b>+8</b>
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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° 55.0' N 168° 54.0' W	CL	10	120	22	2-4	140	4-6	18	1017.0	3.0	2.0
02	57° 12.0' N 168° 57.0' W	CL	10	118	22	2-4	140	4-6	0.7	1017.0	2.5	1.5
03	57° 05.2' N 168° 55.0' W	CL	10	109	20	2-4	110	4-6	0.4	1017.0	2.0	0.9
04	57° 03.5' N 168° 53.8' W	CL	10	120	23	4-6	110	3-5	0.0	1017.1	2.0	0.8
05	57° 49.5' N 168° 52.4' W	CL	10	112	23	4-6	110	3-5	0.012	1017.5	1.8	0.1
06	57° 51.3' N 168° 51.9' W	CL	10	108	16	1-2	110	4-6	0.04	1017	0.0	-1.0
07	57° 51.4' N 168° 51.6' W	CL	10	110	15	1-2	120	3-5	0.04	1017	1.0	-0.2
08	57° 58.0' N 168° 47.0' W	CL	10	110	17	2	140	4-6	-0.5	1016.5	0.1	-0.6
09	58° 04.6' N 168° 30.1' W	CL	10	100	17	2	130	4-6	-1.8	1016.3	0.1	-0.8
10	58° 14.8' N 168° 15.6' W	CL	10	99	14	0	140	2-3	-1.5	1016.2	1.1	0.0
11	58° 18.4' N 168° 07.7' W	CL	10	71	14	0	140	3-4	-1.5	1016.6	1.8	0.2
12	58° 23.2' N 168° 51.3' W	CL	10	94	11	0	140	3-11	-1.5	1016.8	2.0	0.8
13	58° 24.1' N 168° 25.2' W	CL	10	92°	11.2	0	114	3-4	-1.3	1016.5	3.0	1.5
14	58° 31.72' N 167° 24.45' W	CL	10	110	14	0	0	0	-1.6	1016.5	3.0	1.5
15	58° 34.4' N 168° 28.5' W	CL	10	125	13	0	200	4	-1.5	1016.1	-0.1	-1.0
16	58° 33.5' N 168° 34.9' W	CL	10	125	12	0	190	2-3	-1.6	1016.0	-1.0	-1.0
17	58° 29.2' N 168° 39.0' W	CL/F	3	123	12	0-1	190	4-6	-1.5	1015.5	-1.1	-1.1
18	58° 25.2' N 168° 39.4' W	CL	8	115	12	0-1	200	3-5	-1.5	1015.5	-0.8	-0.8
19	58° 20.4' N 168° 47.0' W	CL	9	125	17	0-1	210	3-4	-1.4	1015.1	-0.7	-1.1
20	58° 18.8' N 168° 47.6' W	CL	8	125	11	1	210	3-5	-1.4	1015.5	-0.8	-0.9
21	58° 16.3' N 168° 47.7' W	CL	10	124	12	0-1	210	3-5	-1.4	1015.6	-0.9	-1.1
22	58° 07.5' N 168° 48.7' W	CL	10	130	14	1-2	220	3-5	-0.6	1015.1	-0.2	-0.3
23	57° 57.0' N 168° 51.3' W	CL	10	130	11	1-2	230	3-5	0.1	1015.2	0.2	0.1
24	57° 51.3' N 168° 52.8' W	CL	10	141	10	1-2	225	3-5	0.09	1016.5	1.9	1.1

REMARKS

# DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP  MILLER FREEMAN	DAY WEDNESDAY	DATE 28 APRIL 1999	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 WATER TEMP. °C	SEA LEVEL PRESSURE (mb)	TEMPERATURE °C	
				DIR. (True)	SPEED (Kts.)		DIR. (True)	HEIGHT (Ft.)			DRY BULB	WET BULB
01	51°49.6'N 168°52.4'W	CL-S	08	140	10	1-3	230	2-4	0.01	1016.2	0.5	0.5
02	57°38.14'N 168°54.24'W	CL	4	134	10	1-3	230	2-4	0.01	1016.5	1.0	1.0
03	57°34.14'N 168°55.33'W	CL	4	134	10	1-3	233	2-4	0.4	1016.5	1.5	1.0
04	57°13.0'N 168°57.3'W	CL	4	162	08	2	220	2-4	1.1	1016.1	2.1	2.0
05	57°01.6'N 168°52.4'W	CL	8	165	10	2	220	2-4	2.0	1016.5	2.9	2.3
06	56°50.1'N 169°00.1'W	CL	10	174	09	2	220	2-4	2.1	1017.0	3.2	2.5
07	56°39.4'N 169°01.5'W	CL	10	173	09	0-1	120	2-4	2.3	1017.1	3.2	3.0
08	56°30.4'N 169°13.9'W	CL	10	183	11	0-1	130	2-3	2.2	1017.2	2.6	2.1
09	56°28.1'N 169°20.0'W	CL	10	203	13	1	130	2-3	2.1	1018.3	4.0	2.9
10	56°23.0'N 169°20.1'W	CL	10	210	12	1	170	2-3	2.2	1018.2	4.1	3.0
11	56°10.76'N 169°19.9'W	CL	10	199	11	1	170	2-3	2.6	1018.9	4.3	3.4
12	56°12.1'N 169°21.2'W	CL	10	195	14	1-2	170	2-4	2.6	1019.0	4.5	3.7
13	56°11.1'N 169°21.8'W	CL	10	191	15	1-2	170	2-4	2.5	1019.0	3.5	3.0
14	56°10.73'N 169°22.16'W	CL	10	191	15	1-2	170	2-4	2.5	1019.1	3.1	3.0
15	56°08.16'N 169°24.74'W	CL	10	191	15	1-2	170	2-4	2.8	1019.0	3.0	4.0
16	56°06.2'N 169°16.0'W	CL	7	200	17	2-3	—	—	2.9	1019.2	4.4	3.6
17	56°06.4'N 169°15.9'W	R	4	200	16	3-4	200	3-4	2.9	1019.1	3.4	3.0
18	56°06.3'N 169°15.7'W	R	5	205	15	3-5	205	—	2.9	1019.0	4.5	4.1
19	56°06.3'N 169°16.1'W	CL	7	206	16	3-5	205	—	2.9	1019.0	3.2	3.0
20	56°06.5'N 169°15.7'W	CL	8	190	16	3	210	4-6	2.9	1019.0	4.0	3.5
21	56°05.4'N 169°15.7'W	R	8	200	21	3	200	6-7	2.8	1018.3	4.2	3.2
22	56°00.4'N 169°04.9'W	R	8	200	21	3	230	6-7	2.7	1018.2	4.1	3.2
23	55°54.5'N 169°04.8'W	R	8	210	22	3	230	6-7	2.6	1018.3	4.2	3.1
24	55°55.8'N 168°34.0'W	L	8	121	22	3	230	3-5	2.5	1019.0	3.0	2.5

REMARKS

## DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP <b>MILLER FREEMAN</b>	DAY <b>Thursday</b>	DATE <b>24 April 99</b>	TIME ZONE <b>+8</b>
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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°53' N 165°49' W	R-wet	5	200	24	2-4	140	2-4	2.0	1017.4	3.5	3.0
02	55°54' N 165°51' W	R	5	200	23	3-5	140	5-7	1.9	1017.0	3.0	3.1
03	56°00' N 169°03' W	R+at	4	200	24	3-6	184	5-8	2.7	1016.1	3.5	3.1
04	56°04' 6" N 169°12' 5" W	CL/A	4	200	24	4-6	190	5-7	2.7	1015.9	3.8	3.5
05	56°07' 5" N 169°16' 5" W	CL	8	210	25	4-6	210	5-7	2.6	1015.1	5.0	4.1
06	56°05' 8" N 169°19' 3" W	CL	8	210	26	4-6	230	6-8	2.6	1014.2	5.1	4.1
07	56°06' 8" N 169°13' 9" W	CL	8	205	25	4-6	230	5-7	2.8	1014.5	5.8	4.5
08	56°07' 0" N 169°13' 4" W	CL	8	216	26	4-6	240	5-7	2.8	1014.3	5.1	3.8
09	56°07' 4" N 169°14' 2" W	CL	8	222	23	4-6	230	5-7	2.8	1014.1	5.0	3.9
10	56°06' 6" N 169°15' 2" W	CL	8	220	22	6	230	7	2.9	1014.1	5.0	4.0
11	56°07' 4" N 169°17' 1" W	CL/R	6	206	27	6	240	7	2.8	1013.2	5.3	4.3
12	56°07' 8" N 169°16' 4" W	CL/R	2	216	27	6	236	5-6	2.8	1013.1	6.0	5.0
13	56°08' 23" N 169°17' 5" W	CL/R	2	220	25	4-6	240	6-8	2.8	1013.0	4.7	4.0
14	56°07' N 169°14' W	CL/R	4	235	24	4-5	220	8-10	2.8	1012.1	5.0	4.5
15	56°05' 44" N 169°14' 73" W	CL/R	2	220	22	4-5	220	8-10	2.8	1012.1	5.0	4.0
16	56°06' 6" N 169°16' 7" W	CL/R/F	1	230	23	5-7	250	8-10	2.8	1012.5	4.1	4.0
17	56°06' 5" N 169°17' 5" W	CL/R/F	1	240	25	5-7	230	12-15	2.8	1012.5	4.8	4.2
18	56°06' 5" N 169°16' 4" W	CL/F	1	240	22	5-7	230	10-12	2.8	1011.1	3.9	3.8
19	56°06' 1" N 169°13' 4" W	CL/R/F	1	240	20	5-7	230	10-12	2.9	1011.1	4.9	4.5
20	56°05' 1" N 169°14' 5" W	RW	2	245	20	4-6	230	12-14	2.9	1011.1	4.9	4.2
21	55°54' 3" N 169°18' 6" W	R/W	2	261	22	4-6	220	12-14	2.8	1011.1	4.8	4.0
22	55°49' 4" N 169°22' 1" W	R/W	2	260	20	4	230	8-10	2.8	1011.1	4.3	4.0
23	55°34' 4" N 169°29' 4" W	R/W	2	260	19	4	220	8-10	3.0	1011.3	4.4	4.0
24	55°24' 3" N 169°23' 58" W	R/W	2	248	18	4-6	220	8-10	3.5	1012.1	4.4	4.0

REMARKS



## DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP

MILLER FREEMAN

DAY

Friday

DATE

30 APRIL 99

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	55° 10.04' N 168° 26.34' W	CL/R	5	259	15	2-4	270	6-8	2.9	1012.9	4.9	4.0
02	55° 05.04' N 169° 26.94' W	CL	5	254	16	2-4	270	6-8	2.6	1013.0	4.4	5.40
03	54° 54.34' N 169° 28.77' W	CL	10	241	13	2-4	265	4-6	3.3	1012.8	5.0	4.0
04	54° 04.31' N 169° 30.01' W	CL	10	265	20	3-5	265	8-10	3.2	1012.8	5.5	5.2
05	54° 32.91' N 169° 31.71' W	CL/R	4	265	16	3-5	220	7-9	3.3	1013.5	5.9	5.4
06	54° 21.61' N 169° 33.91' W	CL/R/F	1	250	16	3-5	220	7-9	3.1	1013.5	6.5	5.2
07	54° 01.01' N 169° 35.41' W	CL/R	8	250	17	3-5	220	7-9	2.3	1014.0	5.5	5.1
08	54° 02.11' N 169° 36.51' W	CL/R	4	249	16	2-3	210	7-8	2.9	1014.2	3.6	3.8
09	53° 51.71' N 169° 38.61' W	CL/R	8	250	17	2-3	220	7-8	2.8	1014.1	3.7	3.8
10	53° 40.41' N 169° 43.21' W	CL/R	6	234	21	2-3	220	7-8	3.0	1015	3.9	4.8
11	53° 33.51' N 169° 02.81' W	CL/R	5	238	21	2-3	210	7-8	2.8	1015.0	4.2	4.0
12	53° 24.78' N 169° 31.07' W	CL/R	5	239	19	2-3	220	6-8	2.9	1015.0	4.1	4.0
13	MISSED N W	R	4	200	19	3	220	6-8	3.0	1013.2	6.5	6.0
14	53° 24.01' N 168° 50.71' W	R	4	265	19	3	220	6-8	3.0	1013.2	6.5	6.0
15	53° 23.51' N 168° 50.81' W	R	4	230	22	3-4	220	8	3.1	1012.5	5.6	5.2
16	53° 23.51' N 168° 50.41' W	CL/L	4	260	23.5	3-4	250/220	6-10	3.1	1012.8	5.5	5.2
17		NO EATING										
18	55° 25.71' N 168° 45.51' W	F	1/4	248	23	8-10	220	8-10	3.1	1011.9	5.6	5.1
19												
20	53° 25.31' N 168° 47.51' W	F	1	250	16	8	220	8-10	3.0	1012.2	5.2	5.0
21	53° 24.61' N 168° 49.81' W	F	1/2	260	13	5-7	220	8-10	3.0	1012.5	5.2	5.0
22	53° 24.91' N 168° 51.01' W	R	4	224	15	5-6	230	8-10	3.1	1012.1	3.9	3.8
23	53° 21.61' N 168° 46.31' W	R	6	239	16	5	220	6-8	2.9	1012.2	4.8	4.3
24	53° 165°	L	6	235	11	2-4	220	4-6	3.8	1013.5	5.0	5.0

REMARKS

## DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP <b>MILLER FREEMAN</b>	DAY <b>SAT</b>	DATE <b>1 MAY 30 1994</b>	TIME ZONE <b>+8</b>
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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	53°43' N 168°04' W	L	10	237	11	<1	270	2-3	3.8	1013.0	5.5	5.0
02	53°47' N 167°50' W	CL	10	235	10	<1	270	2-4	3.6	1012.9	6.0	5.1
03	53°52.17' N 167°26.04' W	F/L	10	299	10	3-12	270	2-4	3.8	1013.0	5.0	4.9
04	53°56.4' N 167°017.2' W	F/CL	5	220	12	1-2	270	2-4	3.8	1012.7	5.9	5.1
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REMARKS