

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP

MILLER FREEMAN

DAY

THURSDAY

DATE

17 FEB 2000

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	53°33.5'N 166°32.0'W	R, S	2	137	10	2-3	/	/	2.8	984.2	3.8	1.8
02	MOORED AS BEFORE	R, S	2	136	19	2-3	/	/	2.8	984.0	2.8	1.8
03	MOORED AS BEFORE	R, S	2	133	17	2-3	/	/	2.8	981.6	2.6	1.9
04	MOORED AS BEFORE	R	2	120	25	2-3	/	/	2.8	980.0	3.0	2.0
05	MOORED AS BEFORE	R, S	2	148	31	2-3	/	/	2.7	978.0	2.8	1.8
06	MOORED AS BEFORE	R, S	2	134	18	2-3	/	/	2.7	976.0	2.7	1.8
07	MOORED AS BEFORE	R, S	2	096	6	2-3	/	/	2.7	974.6	2.5	1.7
08												
09	MOORED AS BEFORE	R/S	2	170	18-20	2-3	/	/	NO SCS	971.6	3.6	2.9
10	" "	R/S	2	100'	6	0.5	/	/	/	970.0	4.0	3.0
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												

REMARKS

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP <i>Miller Freeman</i>	DAY <i>Monday</i>	DATE <i>7 Feb 2000</i>	TIME ZONE <i>+8</i>
------------------------------------	----------------------	---------------------------	------------------------

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												
02												
03												
04												
05												
06												
07												
08												
09												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20	<i>47° 48.4' N 122° 26.5' W</i>	<i>CL</i>	<i>8</i>	<i>176</i>	<i>10</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>8.3</i>	<i>1021.1</i>	<i>9.5</i>	<i>—</i>
21	<i>48° 2.8' N 122° 52.9' W</i>	<i>CL</i>	<i>8</i>	<i>167</i>	<i>16</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>8.2</i>	<i>1021.3</i>	<i>9.8</i>	<i>9.5</i>
22	<i>48° 14.3' N 122° 47.8' W</i>	<i>CL</i>	<i>8-10</i>	<i>158</i>	<i>12</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>7.6</i>	<i>1021.0</i>	<i>9.2</i>	<i>8.9</i>
23	<i>48° 25.2' N 122° 42.6' W</i>	<i>CL</i>	<i>10</i>	<i>160</i>	<i>13</i>	<i>—</i>	<i>✓</i>	<i>—</i>	<i>7.5</i>	<i>1021.0</i>	<i>10.1</i>	<i>9.4</i>
24												

REMARKS

2000 wet bulb temperature not available due to lack of water on wick. 2300 DRY and wet bulb temperatures: 10.1 and 9.4 respectively.

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP	DAY	DATE	TIME ZONE
MILLER FREEMAN	TUESDAY	8 FEB 2000	+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	41° 44.7' N 122° 44.4' W	CL	8-10	168	08	—	—	—	7.5	1020.5	10.5	9.6
02	41° 45.6' N 122° 46.2' W	CL	8-10	144	13	—	—	—	7.5	1020.0	9.3	8.6
03	41° 52.7' N 123° 07.2' W	CL	8-10	156	10	—	—	—	7.8	1019.3	8.6	8.0
04	41° 00.6' N 123° 14.7' W	CL	8-10	96	10	—	—	—	7.9	1019.0	9.3	8.6
05	41° 09.6' N 123° 22.4' W	CL	8-10	99	10	1	—	—	7.7	1018.2	9.4	8.6
06	41° 15.2' N 123° 46.0' W	CC	8-10	103	10	1-2	—	—	6.9	1018.2	7.5	8.2
07	41° 20.8' N 124° 02.6' W	CC	8-10	108	09	1-2	—	—	6.9	1017.0	8.9	8.1
08	41° 26.3' N 124° 22.5' W	CC	8-10	138	11	1-2	—	—	7.8	1016.0	7.9	7.6
09	41° 45.1' N 124° 52.3' W	L	6-8	100	11	1	—	—	7.2	1014.4	8.0	7.8
10	41° 54.0' N 125° 1.4' W	L	6-8	NO WIND		0	—	—	7.0	1014.0	7.5	7.0
11	50° 18.1' N 125° 25.0' W	CC	8-10	28	5	0	—	—		1012.8	8.0	7.8
12												
13	50° 22.2' N 125° 40.8' W	CL	8-10	089	8	0	—	—		1011.8	8.0	7.2
14	50° 26.15' N 125° 59.9' W	CL	8-10	131	10	0	—	—	7.5	1010.5	7.5	6.9
15	50° 29.90' N 126° 21.27' W	CL	6-8	92	18	0	—	—	7.5	1008.5	8.8	7.9
16	50° 30.8' N 126° 32.0' W	CL	8-10	120	14	0	—	—	7.5	1008.0	9.0	8.8
17	50° 35.9' N 126° 54.6' W	CL	8-10	86	17	0	—	—	7.5	1007.4	9.1	7.9
18	50° 41.0' N 127° 15.4' W	CC	8-10	91	11	0	—	—	7.5	1007.6	9.0	7.9
19	50° 50.7' N 127° 37.1' W	CC	8-10	116	07	1-2	—	—	7.3	1008.0	9.0	8.0
20	51° 1.1' N 127° 47.2' W	CL	8-10	144	09	2-4	—	—	7.4	1010.0	8.2	7.8
21	51° 25.1' N 127° 49.8' W	CL	8-10	150	11	2-4	—	—	7.7	1010.8	8.1	7.8
22	51° 36.4' N 127° 53.6' W	CL	8-10	175	9	2	—	—	7.1	1010.8	7.9	6.1
23	51° 49.66' N 127° 55.8' W	CL	8-10	161	13	0	—	—	7.0	1011.0	7.9	7.1
24												

REMARKS

1200, 1300 TSC INCORRECT SURFACE H₂O TEMP.

NOTE 2000 WEAX taken @ 2020, due to traffic

2100 Position:

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP MILLER FREEMAN	DAY WEDNESDAY	DATE 9 FEB 2000	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	52°03.6'N 127°56.2'W	CL	8-10	97	6.0	0	—	—	6.8	1013.0	7.8	6.5
02	52°04.6'N 128°04.3'W	CL	8-10	36	1.5	0	—	—	6.9	1013.5	7.0	6.0
03	52°10.4'N 128°07.3'W	CL	8-10	VAR	3.0	0	—	—	6.8	1014.0	6.5	5.5
04	52°14.9'N 128°18.7'W	CL	8-10	84	10	0	—	—	6.3	1014.0	7.0	6.1
05	52°25.0'N 128°28.7'W	CL	8-10	115	08	0	—	—	6.5	1014.0	7.9	6.8
06	52°34.9'N 128°28.9'W	PC	8-10	351	08	0	—	—	6.6	1015.0	5.0	4.3
07	52°46.1'N 128°32.2'W	PC	8-10	39	12	0	—	—	6.5	1015.1	4.1	3.5
08	53°00.3'N 128°31.8'W	CL	8-10	37	10	0	—	—	6.6	1016.9	3.7	3.1
09	53°09.6'N 128°33.1'W	CL	8-10	040	4	0	—	—	6.9	1018.0	3.1	2.2
10	53°18.4'N 128°57.1'W	CL	8-10	068	2	0	—	—	6.6	1018.7	4.6	3.3
11	53°20.2'N 129°14.2'W	CL	8-10	041	8	0	—	—	6.4	1018.9	7.9	5.1
12	53°27.2'N 129°27.9'W	CL	8-10	331	7	0	—	—	6.4	1018.9	6.5	4.8
13	53°37.5'N 129°43.3'W	CL	8-10	97	3	0	—	—	6.9	1019.0	7.0	5.0
14	53°47.7'N 129°57.2'W	CL	8-10	132	7.5	0	—	—	7.0	1018.8	7.8	5.8
15	54°07.6'N 130°07.0'W	CL	6	072	6	0	—	—	6.6	1018.8	6.9	5.5
16	54°08.0'N 130°29.5'W	CL	8-10	78	5	0	—	—	6.5	1018.9	6.4	5.0
17	54°14.6'N 130°42.4'W	CL	8-10	99	6	0	—	—	6.8	1018.9	7.1	5.4
18	54°20.0'N 130°56.6'W	CL	8-10	320	7	0	—	—	7.0	1018.9	6.2	4.5
19	54°25.3'N 131°15.8'W	PC	8-10	18	3	0	—	—	6.2	1018.9	6.1	4.6
20	54°32.2'N 131°38.9'W	PC	8-10	025	6	1	—	—	6.2	1020.0	5.8	4.2
21	54°32.0'N 131°58.4'W	PC	8-10	041	6	2	270	3	6.3	1020.0	6.1	4.6
22	54°32.2'N 132°24.0'W	PC	8-10	047	4	1	280	3	5.3	1020.3	6.5	5.0
23	54°34.5'N 132°46.2'W	PC	8-10	062	8	1	280	3	6.1	1020.8	6.9	4.8
24	54°36.9'N 133°04.9'W	C	8-10	007	16	3	325	3-5	6.3	1021.1	7.0	4.5

REMARKS

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP				DAY		DATE		TIME ZONE				
MILLER FREEMAN				THURSDAY		10 FEB 2000		+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° 38.0' N 133° 15.1' W	C	8-10	003	13	3.5-5	000	3-5	6.4	1021.1	7.0	4.8
02	54° 40.0' N 133° 44.4' W	CC	8-10	009	14	3.5-5	340	3-5	6.3	1021.5	7.8	4.8
03	54° 42.0' N 134° 03.6' W	CC	8-10	011	14	3.5-5	350	5-6	6.7	1021.9	7.6	4.5
04	54° 45.1' N 134° 23.0' W	PC	8-10	06	10	4	—	—	7.1	1021.9	7.8	4.8
05	54° 46.7' N 134° 42.7' W	PC	8-10	23	10	4	—	—	6.9	1021.8	7.8	4.9
06	54° 49.1' N 135° 06.7' W	PC	9-10	40	05	3	340	4-5	6.0	1021.7	7.7	5.0
07	54° 50.6' N 135° 25.4' W	PC	8-10	40	07	3	300	3-4	6.3	1021.6	7.7	5.4
08	54° 52.7' N 135° 48.7' W	PC	10-12	29	14	2	300	4-5	6.3	1021.9	7.2	5.1
09	54° 55.0' N 136° 11.7' W	PC	10-12	014	11	3	270	6	6.1	1021.8	7.9	5.6
10	54° 56.9' N 136° 30.9' W	PC	10-12	009	10	2	270	4-5	6.1	1022.0	5.1	4.9
11	54° 58.9' N 136° 50.9' W	PC	10-12	007	9	2	270	4-5	5.8	1022.3	12.8	7.9
12	55° 00.9' N 137° 10.3' W	PC	10-12	019	10	2	270	5-6	5.7	1022.9	13.2	8.3
13	55° 03.1' N 137° 30.5' W	PC	10-12	346	10.5	3	270	5-6	5.7	1022.5	11.8	8.5
14	55° 04.6' N 137° 50.0' W	CC	10-12	015	6.5	2	270	5-6	5.7	1022.3	9.0	6.2
15	55° 07.1' N 138° 11.0' W	CC	10-12	007	14	3.5-5	280	5-6	5.5	1021.8	7.8	6.0
16	55° 11.6' N 138° 52.5' W	PC	8-10	333	11	4	260	5-6	4.7	1021.1	6.4	4.8
17	55° 12.2' N 139° 04.3' W	PC	8-10	330	10	4	270	5-6	4.7	1021.0	6.2	4.8
18	55° 13.1' N 139° 14.4' W	PC	8-10	000	10	3-4	340	5-6	4.7	1021.0	6.2	4.9
19	55° 15.2' N 139° 34.4' W	PC	8-10	011	11	3-4	340	5-6	4.8	1021.0	6.2	4.8
20	55° 18.04' N 140° 00.5' W	PC	8-10	008	13	3-4	340	5-6	4.5	1021.4	4.8	3.8
21	55° 19.8' N 140° 22.1' W	PC	8-10	020	09	4.2	340	4	4.5	1021.4	4.8	3.5
22	55° 21.8' N 140° 41.8' W	PC	8-10	036	10	2	340	4	4.5	1021.3	4.5	3.2
23	55° 24.3' N 141° 03.5' W	PC	8-10	030	10	2	340	4	4.4	1021.9	3.2	2.4
24	55° 26.4' N 141° 25.1' W	PC	8-10	352	05	2	340	4	4.4	1021.9	3.0	2.0

REMARKS

NOAA SHIP			DAY		DATE		TIME ZONE					
MILLER FREEMAN			FRIDAY		11 FEB 2000		+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° 28.6' N 141° 46.7' W	CL	8	027	7.0	2-3	340	4	4.2	1021.6	2.0	1.3
02	55° 30.5' N 142° 08.8' W	F	1/2	015	7.0	2-3	340	5	4.1	1021.8	1.8	1.0
03	55° 32.7' N 142° 42.0' W	CL	8	086	4.0	1	340	4	4.0	1021.4	1.5	1.0
04	55° 36.8' N 143° 13.1' W	PC	8	032	02	1	340	4	3.8	1021.4	1.5	1.0
05	55° 40.5' N 143° 41.1' W	PC	8	133	4	1	330	4	4.5	1021.4	1.4	1.0
06	55° 38.9' N 143° 33.5' W								-			
07	55° 41.8' N 143° 55.9' W	PC	8	130	4	1	330	6	4.5	1021.4	1.4	1.0
08	55° 45.8' N 144° 19.6' W	CL PC	10	122	5	2	240	4	4.3	1020.7	1.0	0
09	55° 46.5' N 144° 39.5' W	CL PC	10	137	8	1	240	8	4.3	1020.6	1.1	0.1
10	55° 50.3' N 146° 22.3' W	CL	10	140	8	2	240	8	3.9	1020.5	1.4	0.8
11	55° 50.8' N 145° 23.3' W	CL	10	159	12	2	240	8	3.8	1020.7	1.4	0.8
12	55° 52.0' N 145° 40.4' W	CL	10	156	8	2	240	8	3.4	1020.2	1.8	1.2
13	55° 53.6' N 146° 01.7' W	CL	10	150	11	2	240	8	3.4	1020.2	1.2	0.9
14	55° 55.3' N 146° 23.3' W	CL	10	161	10	2	220	6	3.7	1019.8	2.0	1.5
15	55° 57.3' N 146° 42.7' W	CL	10	155	14	3-5	220	6	3.4	1019.2	2.2	1.8
16	55° 59.2' N 147° 00.8' W	CL	8	159	16	3-5	220	6	3.6	1019.2	2.2	1.8
17	56° 01.6' N 147° 27.6' W	CL	8	160	21	3-5	230	6	3.5	1018.6	2.1	1.9
18	56° 02.8' N 147° 42.4' W	CL	8	156	17	3-5	220	6	3.5	1018.1	2.6	1.8
19	56° 05.5' N 148° 06.3' W	CL	8	190	16	3-5	230	6	3.6	1018.0	2.2	1.8
20	56° 07.8' N 148° 33.1' W	CL	10	153	20	3-5	240	8-10	3.8	1018.0	2.1	1.9
21	56° 09.7' N 148° 57.2' W	CL	10	156	19	3-5	240	8-10	4.3	1017.2	2.9	2.1
22	56° 11.5' N 149° 08.4' W	CL	10	156	20	3-5	240	8-10	4.0	1017.1	2.6	2.1
23	56° 13.8' N 149° 30.9' W	CL	10	155	17	3-5	190	8-10	4.6	1017.0	3.1	2.8
24	56° 15.9' N 149° 50.0' W	CL	10	150	20	6-8	210	8-10	4.1	1017.1	3.6	3.1
REMARKS 1000 Position: 55° 47.8' N, 145° 2.7' W.												

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP	DAY	DATE	TIME ZONE
MILLER FREEMAN	SATURDAY	12 FEB 2000	+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° 17.8' N 150° 10.1' W	CL	10	142	14	3-5	200	10	3.9	1016.6	3.4	3.0
02	56° 19.4' N 150° 31.6' W	CL	10	152	22	8	210	10	3.9	1016.1	3.0	2.8
03	56° 21.4' N 150° 52.3' W	CL	10	138	14	3-5	210	10	3.2	1015.9	2.8	2.2
04	56° 23.2' N 151° 18.9' W	CL	10	140	10	3-5	210	10	3.2	1015.6	2.3	2.0
05	56° 25.4' N 151° 32.5' W	CL	10	144	21	3-5	210	10	3.2	1015.1	2.4	2.0
06	56° 26.7' N 151° 51.8' W	CL	10	150	18	3-5	210	10	4.9	1014.2	3.1	2.9
07	56° 29.6' N 152° 14.7' W	CL	10	145	12	3-5	245	10	4.9	1014.1	3.2	3.0
08	56° 22.0' N 152° 32.4' W	CL	10	136	15	3-5	245	10	3.5	1014.1	3.1	2.3
09	56° 34.0' N 153° 2.0' W	CL	10	140	13	3-5	180	6-10	3.2	1013.9	2.9	2.1
10	56° 36.6' N 153° 27.9' W	CL	10	137	17	3-5	170	6-10	3.2	1013.9	3.0	2.6
11	56° 38.2' N 153° 42.8' W	CL	10	119	15	2-3	170	6	3.3	1014.1	5.1	4.2
12	56° 38.2' N 154° 03.1' W	F	0.5	110	13	3-5	270	6	2.1	1013.9	3.0	2.9
13	56° 43.9' N 154° 17.1' W	F	0.5	122	16	3-5	280	5	1.0	1014.0	4.0	3.4
14	56° 51.9' N 154° 34.7' W	F	0.5	119	18	3-5	280	5	1.1	1014.0	4.5	3.5
15	57° 01.9' N 154° 46.7' W	CL	10	137	18	3-5	280	5	1.5	1013.9	4.8	3.0
16	57° 11.6' N 154° 52.1' W	PC	10	130	15	3-5	280	5	3.3	1014.0	6.1	4.6
17	57° 12.6' N 155° 10.6' W	PC	10	134	18	3-5	270	4	2.9	1013.2	2.9	2.0
18	57° 01.8' N 155° 13.6' W	PC	10	130	19	3-5	270	4	2.6	1013.0	2.1	1.4
19	56° 54.2' N 155° 12.6' W	PC	10	115	12	3-4	270	4	3.3	1012.5	2.0	1.1
20	56° 50.1' N 155° 22.2' W	PC	10	130	15	3-4	270	4	3.3	1013.0	3.1	2.0
21	56° 48.0' N 155° 19.4' W	PC	10	135	16	3-4	270	4	3.4	1013.0	3.2	1.5
22	56° 48.0' N 155° 3.3' W	PC	8	104	18	3-4	270	4	3.2	1013.2	2.0	1.2
23	56° 53.2' N 155° 38.0' W	PC	8	100	15	3-4	270	4	3.6	1014.1	3.2	2.0
24	56° 42.6' N 156° 38.0' W	PC, S	3	111	19	3-4	270	4	3.2	1013.9	2.0	1.5

REMARKS

Snow 2400-0010

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP	DAY	DATE	TIME ZONE
MILLER FREEMAN	SUNDAY	13 FEB 00	+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°42.4'N 156°38.4'W	PC	8	105	19	3-4	270	4	3.2	1013.9	2.1	1.5
02	56°41.0'N 156°35.6'W	PC	8	096	18	3-4	270	3-4	3.1	1013.9	2.9	2.0
03	56°31.2'N 156°36.3'W	CL	10	112	18	3-4	270	6	3.0	1013.2	2.1	1.2
04	56°30.1'N 156°46.2'W	CL	10	118	10	2-3	270	6	3.1	1013.2	2.8	1.9
05	56°29.0'N 156°57.1'W	CL/SNOW	6	130	16	2-3	?	?	3.2	1012.8	2.8	1.8
06	56°27.2'N 156°54.3'W	CL	8	118	15	2-3	210	4	3.2	1012.8	2.2	1.7
07	56°25.9'N 156°11.4'W	CL	8	130	20	2-3	—	—	3.0	1012.1	1.8	1.1
08	56°18.0'N 156°03.8'W	CL	10	110	14	3-4	210	4	2.9	1011.7	2.1	1.0
09	56°16.9'N 155°59.2'W	CL	10	115	15	3-4	210	4	3.1	1011.5	2.8	1.2
10	56°12.2'N 156°1.1'W	CL PC	10	104	12	3-4	210	4-6	2.8	1012.0	2.0	0.7
11	56°1.1'N 156°12.9'W	CL PC	10	100	13	3-4	190	6	2.9	1011.1	2.0	1.0
12	55°52.8'N 156°26.6'W	CL	10	120	14	3-4	180	6	2.9	1011.2	3.6	2.0
13	55°49.7'N 156°46.9'W	CL	10	104	12	3-5	180	6	2.9	1010.5	4.8	2.0
14	55°46.4'N 157°09.7'W	CL	10	108	14	3-5	180	6	2.6	1009.8	4.0	1.8
15	55°43.1'N 157°34.9'W	CL	10	116	16	3-5	190	6	2.6	1009.2	4.3	2.1
16	55°39.7'N 157°50.1'W	CL	10	110	16	3-5	190	6	2.5	1009.1	5.6	4.2
17	55°36.6'N 158°10.8'W	CL	10	115	14	3-5	190	6	2.5	1008.6	5.6	4.0
18	55°34.5'N 158°24.7'W	CL	10	112	13	3-5	180	6	2.4	1008.0	5.0	4.0
19	55°30.2'N 158°52.0'W	CL	10	115	13	3-5	185	6	2.5	1007.8	5.0	3.6
20	55°26.5'N 159°15.5'W	CL	10	085	15	3-6	120	4-6	2.4	1007.4	3.1	1.9
21	55°28.6'N 159°32.4'W	CL	10	095	15	3-5	120	4-6	2.4	1007.0	5.0	3.9
22	55°11.4'N 160°11.6'W	CL/S	10	075	10	3-5	120	2	2.3	1006.6	3.0	2.5
23	55°04.0'N 160°26.6'W	CL	10	078	12	3-5	240	3	2.6	1006.0	2.3	1.4
24		CL	10	092	12	3-5	220	3-6	2.6	1004.6	2.8	1.6

REMARKS

Change time zones at 0200

SKIPPED 0600 WAY TO MATCH TIME ZONE. 16

1807 S = SNOWING

2000: 55°26.5'N 159°32.4'W

2200: 55°19.17'N 159°52.2'W

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP	DAY	DATE	TIME ZONE
MILLER FREEMAN	MONDAY	14 FEB	+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° 56.5' N 160° 42.3' W	CL	10	90	15	3-5	220	6	2.9	1004.4	2.8	1.7
02	54° 47.1' N 161° 00.6' W	CL	10	117	13	3-5	220	6	2.5	1004.0	2.0	1.2
03	54° 41.4' N 161° 12.1' W	CL	10	107	13	3-5	220	7	2.6	1003.7	2.6	1.3
04	54° 33.8' N 161° 29.5' W	CL	10	110	12	3-5	—	—	2.6	1002.8	2.3	1.2
05	54° 25.5' N 161° 46.5' W	CL	10	110	11	—	—	—	2.5	1001.7	2.0	1.3
06	54° 30.1' N 161° 56.9' W	CL	10	119	13	—	—	—	2.3	1001.1	1.8	1.3
07	54° 12.2' N 162° 13.5' W	CL PC	10	121	14	—	—	—	—	1000.2	1.9	1.5
08	54° 12.8' N 162° 35.0' W	CL PC	10	204	14	3	140	6	2.3	1000.7	2.9	1.8
09	54° 9.4' N 162° 50.9' W	PC	10	200	18	8	140	6	2.8	1000.0	2.9	1.9
10	54° 11.8' N 163° 13.9' W	PC	10	200	21	6	215	8-8	2.9	1001.0	2.4	1.1
11	54° 13.7' N 163° 27.7' W	PC	10	198	18	6	230	8-10	1.8	1000.9	2.6	0.9
12	54° 14.4' N 163° 46.8' W	PC	10	182	13	3-5	250	8	1.8	1000.9	3.1	2.0
13	54° 16.6' N 164° 05.6' W	CL	8-10	162	12	3-5	240	8	2.6	1000.8	3.0	2.0
14	54° 18.4' N 164° 25.0' W	CL/S	2	187	20	3-5	240	8	2.3	999.0	1.1	1.0
15	54° 19.8' N 164° 42.4' W	PC	10	185	18	3-5	240	8	1.5	998.8	2.9	1.9
16	54° 25.0' N 164° 56.7' W	PC	10	180	18	3-4	230	6-7	1.0	998.6	4.0	1.8
17												
18	54° 24.9' N 165° 08.4' W	PC	10	178	16	3	200	5	1.7	998.2	2.5	1.1
19	54° 23.7' N 165° 11.2' W	PC	10	170	16	3	190	4	2.6	998.2	2.6	1.4
20	54° 22.0' N 165° 16.4' W	CL	7	152	16	4-5	180	4	2.4	997.8	2.9	2.0
21	54° 20.7' N 165° 22.7' W	CL	10	129	18	4-5	?	?	2.7	997.8	3.1	2.1
22	54° 20.1' N 165° 25.5' W	CL	7	130	19	4-5	—	—	2.8	997.0	1.8	1.2
23	54° 20.3' N 165° 33.5' W	CL/S	4-3	110	24	4-5	—	—	2.7	996.4	0.6	0.6
24	54° 17.8' N 165° 47.5' W	CL/S	5/2	98	21	4-5	—	—	2.6	994.0	1.0	1.0

REMARKS

2200 GUSTS TO 35 / SNOW FLURRIES

DECK LOG – WEATHER OBSERVATION SHEET

NOAA SHIP					DAY		DATE		TIME ZONE				
MILLER FREEMAN					TUESDAY		15 FEB '00		+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° 16.3' N 165° 58.6' W	CL, S	2	080	26	2-3	—	—	2.6	991.4	1.4	1.3	
02	54° 15.1' N 166° 05.7' W	CL	6	102	24	2-3	—	—	2.7	990.1	1.8	1.6	
03	54° 13.0' N 166° 08.5' W	CL, S	8	97	21	2-3	070	5	2.7	989.0	1.8	1.5	
04	54° 10.07' N 166° 11.4' W	CL, R, S	8	104	20	—	—	—	2.7	987.0	2.8	2.0	
05	54° 10.07' N 166° 11.4' W	CL, R	7	115	44	5-6	—	—	2.8	983.1	3.3	2.3	
06	54° 01.7' N 166° 23.5' W	R	5	116	42	6-8	—	—	2.5	982.2	2.5	2.0	
07	53° 56.3' N 166° 22.0' W	R	3-4	110	35	5-6	—	—	2.9	982.2	2.7	1.8	
08				Docking, DUTCH HARBOR, AK.									
09	53° 53.0' N 166° 37.9' W	S	3-4	120	28	?	—	—	2.4	981.5	2.4	2.0	
10	MOORED AS BEFORE.	S	3-4	123	27	?	—	—	2.7	981.2	2.2	2.1	
11	MOORED AS BEFORE.	S/R	4-5	120	14-18	4	—	—	2.7	981.1	3.0	2.0	
12	MOORED AS BEFORE.	S	4-5	103	10	1-2	—	—	2.7	980.2	3.8	2.9	
13	MOORED AS BEFORE.	S	4-5	87	15	1-2	—	—	2.5	980.0	3.2	2.2	
14	54° 00.2' N 166° 24.7' W	S/R	2	103	20	6-8	030	8	2.9	979.1	4.0	3.0	
15	54° 00.2' N 166° 16.1' W	R	4	50	18	4-5	030	8	2.8	979.0	4.0	3.0	
16	54° 14.5' N 166° 06.0' W	R	4	87	19	3-4	040	10	2.8	978.2	4.0	3.0	
17	54° 21.5' N 166° 55.6' W	CL	3	160	10	2-4	065	6-8	2.7	977.0	4.0	3.0	
18	54° 26.6' N 166° 00.6' W	CL	10	139	8	3-4	040	8-10	2.6	977.8	4.8	2.8	
19	STATION	OPS											
20	54° 20.3' N 166° 00.1' W	CL	7	190	12	3-4	060	8-10	2.7	980.3	3.9	3.1	
21	54° 27.3' N 166° 01.0' W	CL	7	230	18	3-4	070	8-10	2.8	981.0	3.9	3.0	
22	54° 28.9' N 166° 02.4' W	CL	9	242	25	7-8	?	8-10	2.8	982.0	2.0	1.5	
23	54° 28.5' N 166° 01.1' W	PC	9	240	36	8-10	—	—	2.8	983.4	2.2	1.5	
24	54° 37.1' N 166° 10.0' W	PC	10	220	36	10-12	215	10-12	2.6	985.1	2.4	1.5	
REMARKS													
9-10													

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP				DAY		DATE		TIME ZONE				
MILLER FREEMAN				WEDNESDAY		16 FEB '00		19				
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° 34.1' N 166° 06.9' W	CL	10	222	36	8-10	220	10-12	2.9	986.1	2.5	1.1
02	54° 38.5' N 166° 07.8' W	CL	10	216	29	8-10	220	12	2.9	988.1	3.0	1.0
03	54° 42.3' N 166° 11.6' W	CL	10	206	30	8-10	220	15	2.5	989.1	2.8	1.1
04	Operations											
05	54° 43.2' N 166° 11.3' W	CL	10	210	15	8-10	210	10	2.5	991.0	3.2	1.6
06	54° 44.9' N 166° 02.7' W	CL	10	195	18	8-10	210	10-12	2.6	992.0	3.5	1.6
07	54° 44.9' N 166° 03.1' W	CL	10	192	17	6-8	210	8-10	2.5	993.0	3.0	1.5
08	54° 45.55' N 166° 02.82' W	PC	10	205	15	5-6	210	8-9	2.5	994.1	3.5	2.0
09	54° 42.9' N 166° 03.0' W	PC	10	190	18	5-6	220-230	8-9	2.5	994.5	3.7	1.9
10	54° 41.5' N 166° 05.4' W	PC	10	190	12	4-6	250	8-10	2.6	994.9	3.4	2.0
11	54° 36.5' N 166° 07.7' W	PC	10	187	17	6-8	220	8-10	2.88	995.8	3.1	1.9
12	54° 34.9' N 166° 07.0' W	PC	7	180	22	6-8	/	/	2.9	995.8	4.2	2.0
13	54° 32.0' N 166° 07.4' W	PC	7	185	22	6-8	/	/	2.9	995.7	4.0	2.0
14	54° 30.46' N 166° 07.24' W	PC	9	172	24	6-8	/	/	2.8	995.2	3.1	1.2
15	54° 22.0' N 166° 04.0' W	CL	8	190	17	6-8	/	/	2.6	995.0	3.0	1.6
16	54° 18.8' N 166° 06.1' W	CL	8	180	19	6-8	/	/	3.0	993.6	3.5	1.4
17	54° 18.2' N 166° 10.0' W	CL	9	150	36	8-10	/	/	3.0	993.9	4.1	2.0
18	54° 17.0' N 166° 21.9' W	CL	3	142	44	8-10	/	/	3.1	990.1	3.0	1.2
19	54° 01.1' N 166° 21.9' W	CL	7	180	41	10-12	/	/	3.0	988.9	1.4	1.3
20	54° 01.6' N 166° 26.0' W	CL	8	130	40	8-10	/	/	2.9	987.1	1.9	1.2
21	DOCKING IN											
22	DUTCH HARBOR, AK.											
23	53° 53.5' N 166° 32.1' W	R/S	2	131	33	2-3	/	/	2.9	985.2	2.8	1.9
24	53° 53.5' N 166° 32.0' W	R/S	2	148	18	2-3	/	/	2.8	984.8	2.8	1.8
REMARKS												
2000 - IN LEE OF UNALASKA ISLAND wet bulb temp: 1.2												
2300 WEAX AND POSITIONS MOORED ALONG SIDE DELTA WESTERN												
FUEL DOCK, DUTCH HARBOR, AK.												