

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP MILLER FREEMAN	DAY WEDNESDAY	DATE 9/1/99	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	54°14.2' N 157°55.9' W	L	3	247	22	3-4	260	8-9	12.1	1014.1	11.9	11.3
02	54°13.8' N 157°17.5' W	CL	6	248	22	5	262	8-9	12.1	1015.0	11.8	11.3
03	54°13.6' N 157°33.4' W	CL	7	247	22	4	260	8	12.3	1014.6	11.8	11.2
04	54°13.3' N 157°40.4' W	CL	6	250	20	4	260	8	11.8	1014.8	11.9	10.3
05	54°13.0' N 157°48.0' W	CL	6	235	17	4	260	7	11.8	1014.6	11.9	10.1
06	54°12.9' N 157°47.4' W	CL	6	230	18	4	260	7	11.4	1014.4	11.6	10.4
07	54°12.8' N 157°40.1' W	CL	6	230	20	4	260	8	11.5	1014.4	11.6	10.9
08	54°12.8' N 157°44.6' W	CL	10	216	13	3-4	260	7-8	11.6	1014.5	11.9	11.9
09	54°12.2' N 157°42.8' W	CL	10	208	15	4-6	260	8-9	11.6	1014.5	11.9	11.9
10	54°11.8' N 157°44.3' W	CL	10	215	15	4-6	260	8-9	11.7	1014.0	11.9	11.9
11	54°11.2' N 157°42.1' W	CL	10	195	20	3-4	230	5-6	11.8	1013.0	11.5	11.5
12	54°11.1' N 157°42.0' W	L	10	213	22	2-3	240	5	11.7	1013.1	11.6	11.6
13	54°10.9' N 157°41.4' W	CL	10	214	21	3	245	5	11.9	1013.2	11.8	11.5
14	54°10.8' N 157°42.5' W	CL	10	226	18	2	250	5	11.9	1012.3	12.0	11.9
15	54°10.1' N 157°42.5' W	CL	10	237	17	2	250	5	11.8	1012.1	12.1	11.9
16	54°10.1' N 157°43.1' W	CL	10	230	17	2	240	7	12.3	1011.2	12.0	12.0
17	54°10.2' N 157°44.2' W	P/C	10	234	09	2	240	7	12.0	1011.0	12.1	12.1
18	54°09.6' N 157°42.3' W	P/C	10	236	13	2	240	7	11.1	1010.1	12.0	12.0
19	54°09.3' N 157°46.6' W	P/C	10	241	09	2	245	7	11.2	1010.1	12.0	12.0
20	54°09.2' N 157°49.1' W	PC	10	230	06	2-3	240	6-8	10.6	1010.0	11.5	11.5
21	54°08.8' N 160°24.7' W	PC	10	227	04	2-3	240	6-8	10.7	1009.0	11.2	11.2
22	54°08.2' N 160°59.7' W	PC	10	242	06	2-3	240	6-7	10.9	1009.0	11.2	11.2
23	54°08.4' N 161°11.0' W	PC	10	253	07	2-3	240	6-7	10.7	1009.0	11.2	11.2
24	54°07.7' N 161°30.4' W	CL	8	226	9	2	250	5	10.9	1008.1	11	

REMARKS

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP	DAY	DATE	TIME ZONE
MILLER FREEMAN	THURSDAY	9/2/99	+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	54°07.5'N 161°48.2'W	CL	8	265	12	3	250	5-8	10.0	1007.2	10.3	9.2
02	54°07.2'N 162°14.9'W	CL	8	341	10	2	250	5	10.2	1003.1	10.4	9.3
03	54°08.7'N 162°28.8'W	CL	8	332	13	2	260	5	10.2	1003.0	10.4	9.4
04	54°10.2'N 162°53.7'W	CL	9	18	7	2	260	5	9.6	1018.0	10.1	8.5
05	54°12.2'N 163°18.0'W	CL	9	286	11	2	260	5	9.5	1017.9	10.0	8.5
06	54°14.0'N 163°26.4'W	CL	9	280	19	7-3	260	5	9.4	1018.0	10.0	8.1
07	54°15.2'N 163°31.6'W	CL	8	280	23	3-4	260	5	9.3	1018.2	9.1	8.0
08	54°17.6'N 164°17.4'W	CL	8	285	22	3-4	280	5-7	9.7	1009.0	9.0	8.0
09	54°19.3'N 164°37.8'W	CL	10	274	23	3-4	280	5-7	9.3	1009.5	9.0	8.0
10	54°21.1'N 165°01.4'W	CL	10	277	24	3-4	280	5-8	6.8	1010.0	8.5	8.5
11	54°22.1'N 165°21.9'W	CL	10	258	30	4-5	260	10	7.3	1010.0	8.0	7.9
12	54°19.3'N 165°37.2'W	CL	10	257	30	4	270	8	7.2	1010.5	8.9	7.9
13	54°16.3'N 165°38.3'W	PC	10	249	30	5	270	8-9	7.3	1010.8	8.9	7.8
14	54°11.3'N 166°07.4'W	CL	10	275	28	5	270	8	7.2	1011.2	9.2	8.0
15	54°02.8'N 166°30.8'W	CL	10	253	13	1-2	280	3	7.3	1011.3	10.0	8.0
16												6.
17												
18												
19												
20												
21												
22	54°01.4'N 166°35.8'W	PC										
23	54°01.4'N 166°35.8'W	PC	10	302	18	1	310	4	7.4	1011.0	8.3	6.2
24	54°10.3'N 166°46.0'W	PC	10	240	26	6-10	310	7	8.6	1010.8	8.0	7.0

REMARKS

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP						DAY		DATE		TIME ZONE		
<i>MILLER FREEMAN</i>						<i>FRIDAY</i>		<i>9/3/99</i>		<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	54° 18.8' N 166° 57.7' W	PC	10	235	26	6-10	320	7	8.4	1010.4	8.0	7.0
02	54° 28.0' N 167° 08.9' W	PC	10	226	24	4-6	320	5	8.5	1010.2	8.1	6.9
03	54° 36.5' N 167° 19.5' W	PC	10	220	24	4-6	320	5	8.7	1009.8	8.0	7.0
04	54° 04.3' N 167° 04.7' W	PL	10	243	20	4-6	320	5	8.6	1009.6	8.0	7.0
05	54° 24.1' N 167° 12.2' W	PL	10	243	20	4-6	320	5	8.5	1009.1	8.1	7.3
06	55° 02.4' N 167° 57.9' W	PL	10	246	14	3-4	320	5	8.6	1008.4	7.6	7.2
07	55° 09.5' N 168° 01.8' W	PC	10	262	18	2-3	320	6	8.2	1008.1	7.5	7.2
08.	55° 20.6' N 168° 15.5' W	CL	10	260	18	3	300	6-8	8.4	1008.1	8.8	7.8
09	55° 20.6' N 168° 15.5' W	CL	10	270	18	3	300	6-8	8.4	1008.1	8.8	7.8
10	55° 19.5' N 168° 16.4' W	CL	10	270	18	3	300	7	8.3	1008.2	9.0	8.0
11	55° 22.6' N 168° 10.2' W	PC	10	275	18	3	300	5-6	8.1	1007.5	9.5	8.5
12	55° 24.2' N 168° 08.0' W	PL	10	270	15	3-4	300	3	7.8	1008.8	9.1	8.0
13	55° 25.5' N 168° 03.8' W	PC	10	270	16	3-4	300	4-5	7.8	1009.0	9.5	7.0
14	55° 30.2' N 167° 50.8' W	PL	10	270	18	3-4	300	4-5	8.9	1009.0	10.0	8.7
15	55° 32.0' N 167° 34.7' W	PC	10	270	22	3-4	300	4-5	9.0	1009.0	12.8	10.0
16	55° 40.1' N 167° 25.3' W	CL	7	270	23	3-4	300	4-5	8.9	1010.8	10.0	8.4
17	55° 43.4' N 167° 11.1' W	CL	7	285	14	3-4	300	4-5	9.0	1008.4	9.6	8.0
18	55° 49.7' N 167° 07.2' W	CL	6.5	267	18	3-4	310	4-5	9.1	1008.7	9.7	7.9
19	55° 55.3' N 166° 49.8' W	CL	6.5	282	20	3-4	305	5-6	9.2	1008.4	9.3	7.9
20	55° 59.0' N 166° 34.7' W	CL	10	2	22	4	290	6	9.1	1008.6	9.0	7.9
21	56° 04.1' N 166° 33.4' W	CL	10	277	23	4	320	6	9.2	1009.0	9.0	7.9
22	56° 12.6' N 166° 30.0' W	CL	10	275	26	4-5	300	6	9.1	1009.0	9.0	7.7
23	56° 06.4' N 166° 23.3' W	CL	10	275	22	4	290	6	9.2	1010.0	9.4	7.9
24	56° 03.7' N 166° 20.7' W	CL	10	270	24	3	290	6	8.9	1010.1	9.0	7.6

REMARKS

NOAA SHIP	DAY	DATE	TIME ZONE
Miller FREEMAN	SUNDAY	9/5/99	+8

[illegible]

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP			DAY			DATE		TIME ZONE				
MILLER FREEMAN			MONDAY			9/6/99		+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	55° 08.1' N 167° 59.4' W	CL	10	290	10	43	340	43	8.5	1022.7	7.6	6.3
02		L	10	257	6	1-30	350	1-3	8.7	1022.8	6.9	6.2
03	58° 24.0' N 168° 19.4' W	MIST	10	300	12	1-3	350	1-3	8.4	1022.9	7.4	6.6
04	55° 31.1' N 168° 31.1' W	CL	6.5	268	11	1-3			8.4	1022.9	7.7	6.7
05	55° 43.3' N 168° 45.7' W	CL	6.5	315	13	1-3			8.4	1022.3	7.4	6.8
06	55° 54.8' N 168° 54.7' W	CL	6.5	283	3	1-3			8.8	1022.0	7.3	6.7
07	56° 04.1' N 169° 10.3' W	CL	6.5	230	6	1-3			8.7	1022.6	7.3	6.8
08	56° 15.6' N 169° 25.5' W	CL	6	320	5		210	1	8.6	1022.9	7.9	7.0
09	56° 20.2' N 169° 34.1' W	CL	7	LT	VAR.		210	1	8.6	1023.0	7.2	6.9
10	56° 23.4' N 169° 27.5' W	PC	8	LT	VAR.		200	1	8.5	1023.1	7.8	7.2
11	56° 23.3' N 169° 28.9' W	PC	9	LT	VAR.		200	1	7.2	1023.7	7.3	6.9
12	56° 32.7' N 169° 27.1' W	PC	10	LT	VAR.		200	1	6.0	1023.9	8.5	8.1
13	56° 29.6' N 169° 28.5' W	PC	10	LT	VAR.		200	1	7.7	1024.0	12.8	10.0
14	56° 25.1' N 169° 27.7' W	PC	10	LT	VAR.				7.4	1024.1	12.0	9.2
15	56° 19.7' N 169° 26.8' W	PC	10	LT	VAR.				8.7	1024.0	10.5	8.1
16	56° 14.3' N 169° 27.0' W	PC	18	LT	VAR.				8.9	1023.8	8.0	7.0
17	56° 23.7' N 169° 28.4' W	PC	12	LT	VAR.				8.6	1023.6	11.9	9.5
18	56° 28.5' N 169° 28.8' W	PC	8	LT	VAR.				8.5	1023.4	11.5	9.1
19	56° 33.85' N 169° 28.8' W	PC	8	214	05				8.2	1023.3	10.3	8.4
20	56° 19.1' N 169° 26.9' W	PC	10	180	6				8.3	1023.2	9.2	7.0
21	56° 21.1' N 169° 26.6' W	PC	10	170	6				9.0	1023.1	10.6	8.0
22	56° 19.6' N 169° 26.9' W	CL	10	141	6		325	1	9.3	1023.1	8.9	7.0
23	56° 29.6' N 169° 28.5' W	CL	8	142	5				7.3	1023.0	10.0	7.9
24	56° 31.9' N 169° 29.1' W	CL	10	156	12				6.9	1023.0	8.4	7.0
REMARKS												

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP

MILLER FREEMAN

DAY

THURSDAY

DATE

9/9/99

TIME ZONE

X8

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° 35.4' N 170° 55.6' W	CL/F	34	090	18	6	240	3	8.1	1009.0	8.9	8.3
02	57° 32.6' N 169° 57.9' W	CL	5	065	14	3	090	5	8.7	1009.0	8.8	8.0
03	57° 27.3' N 170° 02.4' W	PC	10	055	14	3	090	5	8.1	1009.2	7.9	7.4
04	57° 22.5' N 170° 06.4' W	CL	7	040	16	3	—	—	7.6	1010.1	7.2	6.5
05	57° 14.8' N 170° 13.0' W	CL	6.5	038	18	3	—	—	7.6	1010.1	7.8	7.1
06	57° 06.0' N 170° 11.0' W	CL	6.5	038	14	3	—	—	7.6	1010.1	7.8	7.1
07	57° 06.2' N 170° 10.7' W	CL	6.5	038	14	3	—	—	7.6	1010.1	7.8	7.1
08	57° 29.7' N 170° 00.1' W	CL	8	000	24	5	050	6	7.6	1011.0	7.0	6.9
09	57° 33.4' N 169° 52.7' W	F	3	015	20	3	040	6	8.1	1011.1	8.2	8.0
10	57° 28.8' N 170° 00.8' W	F/L	3	005	24	5	050	6	8.1	1010.5	8.0	7.8
11	57° 29.9' N 170° 00.4' W	CL	6	020	22	4-5	050	6	8.1	1011.6	7.4	7.0
12	57° 28.2' N 170° 01.2' W	CL	8	005	28	5-6	—	—	8.1	1010.5	8.0	7.2
13	57° 24.3' N 170° 02.2' W	CL	8	005	20	5-6	—	—	8.2	1012.9	8.7	7.6
14	57° 28.9' N 170° 01.1' W	CL	10	015	27	6-8	—	—	8.1	1013.0	8.0	7.0
15	57° 28.6' N 170° 01.5' W	CL	10	016	24	6	030	6-8	8.1	1013.8	7.9	7.0
16	57° 27.1' N 170° 01.3' W	CL	10	016	22	6	—	—	8.1	1013.8	7.9	7.0
17	57° 26.6' N 170° 01.1' W	CL	7	020	18	6-8	—	—	8.1	1014.0	8.0	7.1
18	57° 29.1' N 170° 00.9' W	CL	7	018	19	6-8	—	—	8.1	1014.5	8.2	7.0
19	57° 28.3' N 170° 01.3' W	CL	7	010	18	6-8	—	—	8.1	1014.9	8.2	7.2
20	57° 29.5' N 170° 00.9' W	CL	7	000	21	6-8	010	8	8.1	1014.9	7.8	6.8
21	57° 30.7' N 170° 00.7' W	CL	7	000	20	6	010	8	8.0	1015.0	7.1	6.2
22	57° 29.1' N 170° 00.7' W	CL	7	000	20	6	010	8	8.1	1015.8	7.3	6.2
23	57° 30.5' N 170° 00.3' W	CL	7	020	28	5	010	7	8.1	1016.0	7.5	6.0
24	57° 26.7' N 170° 00.5' W	CL	10	002	17	3	010	6	8.1	1016.1	6.9	5.9

REMARKS

0200 0000 - 0200 VERY LOW ~~SEA~~ CEILING.

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP	DAY	DATE	TIME ZONE
MILLER FREEMAN	FRIDAY	9/10/99	+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	57° 29.9' N 170° 00.7' W	CL	10	355	20	4	010	6	8.1	1017.0	6.9	6.0
02	57° 28.7' N 170° 00.9' W	CL	10	351	21	3-4	010	6	8.1	1017.3	7.9	7.0
03	57° 28.5' N 170° 00.9' W	CL	7	340	20	1-3	010	4	8.1	1017.1	7.5	6.3
04	57° 28.7' N 170° 00.9' W	CL	7	350	18	4-5	/	/	8.1	1017.0	7.0	6.2
05	57° 28.9' N 170° 01.04' W	CL	7	000	17	4-5	/	/	8.1	1016.9	6.5	6.1
06	57° 30.0' N 170° 01.2' W	CL	6.5	352	15	4-5	/	/	8.1	1017.0	6.7	6.4
07	57° 29.3' N 170° 01.1' W	CL	6	010	16	4-5	/	/	8.1	1017.0	6.8	6.3
08	57° 29.8' N 170° 00.6' W	CL	6	335	12	4	010	5-6	8.1	1016.1	6.9	6.0
09	57° 28.07' N 170° 00.4' W	CL	7	330	10	3	020	5	8.1	1017.1	7.4	6.9
10	57° 30.0' N 170° 00.1' W	CL	7	340	16	3	020	5	8.1	1017.2	6.2	6.0
11	57° 28.4' N 170° 00.3' W	CL	7	000	13	3	020	6	8.1	1017.2	7.5	6.9
12	57° 25.8' N 170° 38' W	CL	7	013	10	3	020	6	8.1	1017.3	10.0	8.9
13					OPS							
14	57° 24.7' N 170° 05.18' W	PC	7	325	14	3	020	4	8.1	1017.5	8.0	7.0
15	57° 25.7' N 170° 08.1' W	CL	8	315	10	3	020	5	8.2	1017.3	8.0	7.1
16	57° 27.9' N 170° 02.7' W	CL	6.5	306	10	3	010	4	8.2	1017.2	6.1	5.9
17		CL	6.5		OPS	3						
18	57° 30.1' N 170° 01.5' W	CL	6.5	296	5	3	020	5	8.2	1016.3	6.9	6.5
19	57° 29.0' N 170° 01.3' W	CL	6.5	277	5	3	020	5	8.2	1016.0	9.0	8.0
20	57° 29.5' N 169° 59.2' W	CL	10	260	10	3	010	4-6	8.2	1015.9	8.0	6.9
21	57° 29.4' N 170° 01.6' W	PC	10	253	11	1	350	3	8.2	1015.9	6.9	5.9
22	57° 29.4' N 169° 59.3' W	PC	10	250	6	/	060	3	8.2	1015.9	8.0	6.9
23	57° 29.4' N 170° 00.7' W	CL	10	210	12	1	020	3	8.2	1015.1	7.0	6.5
24	57° 30.12' N 170° 00.42' W	CL	10	207	11	1	240	3	8.2	1015.0	6.9	6.3

REMARKS

0300 VERY LOW CEILING

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP MILLER FREEMAN	DAY SATURDAY	DATE 9/11/99	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	57° 30.9' N 169° 54.5' W	CL	10	230	10	2-2	060	2	8.2	1015.0	6.9	6.3
02	57° 29.4' N 170° 00.6' W	CL	10	217	17	1-2	060	3	8.2	1014.0	7.0	6.6
03	57° 29.0' N 170° 01.2' W	CL	10	215	18	1-2	060	3	8.2	1013.2	7.4	6.9
04	57° 30.6' N 169° 58.7' W	CL	6.5	190	17	1-2	060	3	8.1	1013.2	8.5	7.7
05	57° 30.1' N 170° 00.4' W	PC	6.5	190	18	2-3	060	3	8.1	1012.3	8.2	7.5
06	57° 30.6' N 170° 00.9' W	PC	6.5	190	18	2-3	060	3	8.2	1011.4	8.4	7.3
07	57° 29.2' N 170° 00.7' W	R	6.5	190	19	2-3	060	3	8.2	1010.8	8.6	7.8
08	57° 31.5' N 170° 00.5' W	CL	7	180	18	3	240	5	8.2	1010.2	8.2	7.9
09	57° 29.8' N 170° 00.0' W	R	6	190	15	3	240	4-5	8.1	1010.0	8.1	7.9
10	57° 34.1' N 169° 56.8' W	R	6	170	22	3-4	240	5	8.1	1009.5	7.9	7.3
11	57° 29.6' N 170° 00.4' W	R	7	180	20	3	240	5	8.1	1009.1	7.9	7.3
12	57° 24.6' N 170° 04.7' W	CL	10	180	26	3	260	6	8.0	1008.9	8.0	7.4
13	57° 20.6' N 170° 08.6' W	CL	10	164	21	5	260	10	7.4	1008.2	7.8	7.2
14	57° 19.0' N 170° 12.9' W	CL	10	163	22	2-3	250	4	7.4	1007.5	7.9	7.2
15	57° 19.1' N 170° 9.1' W	CL	10	165	20	2-3	250	6-10	7.4	1007.6	8.9	8.0
16	57° 30.2' N 170° 00.0' W	CL	6.5	164	19	2-3	250	6	7.4	1009.8	9.5	8.2
17	57° 28.1' N 170° 01.9' W	R	6	165	26	3-5	250	6	8.1	1007.3	8.5	7.2
18	57° 24.0' N 170° 04.9' W	R	5	150	22	4-6	250	6	8.3	1004.5	8.6	7.0
19	57° 23.9' N 170° 05.1' W	R	6	150	24	4-6	250	6	8.2	1003.8	8.5	7.1
20	57° 25.1' N 170° 05.2' W	CL	6	160	24	4-6	250	6-8	8.1	1003.5	8.0	7.3
21	57° 24.4' N 170° 03.6' W	CL	6	140	25	4	250	7	8.1	1003.0	7.9	7.2
22	57° 25.0' N 170° 04.6' W	CL	8	140	25	4-5	160	5	8.0	1002.9	8.5	7.5
23	57° 23.9' N 170° 02.1' W	CL	10	145	22	5	160	5	8.0	1002.7	8.0	7.4
24	57° 24.0' N 170° 04.6' W	CL	10	138	25	5	160	5-7	7.5	1002.2	7.9	7.2

REMARKS

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP	DAY	DATE	TIME ZONE
MULLER FREEMAN	SUNDAY	9/12/99	+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	57° 24.5' N 170° 04.4' W	CL	10	130	19	4	180	5-6	7.6	1001.8	8.4	7.7
02	57° 24.1' N 170° 03.8' W	CL	10	137	18	4	180	5-6	7.5	1001.8	8.9	8.1
03	57° 24.1' N 170° 03.2' W	CL	6.5	133	22	/	/	/	7.4	1001.2	9.0	8.2
04	57° 24.1' N 170° 03.4' W	CL	7	140	22	5-7	/	/	8.0	1001.0	9.0	8.1
05	57° 25.3' N 170° 05.1' W	CL	7	140	20	5-7	/	/	8.0	1000.5	9.0	8.0
06	57° 24.9' N 170° 04.8' W	CL	7	135	21	5-7	/	/	8.1	1000.0	9.1	8.2
07	57° 24.8' N 170° 04.8' W	PC	10	130	19	4-6	/	/	8.1	1000.0	8.8	7.8
08	57° 23.6' N 170° 02.3' W	PC	10	120	20	3	150	5	8.1	1000.3	9.0	8.3
09	57° 24.9' N 170° 04.9' W	PC	10	120	18	3	150	5-6	8.2	1001.0	9.9	8.9
10	57° 24.8' N 170° 04.8' W	PC	6	120	24	3-5	150	5	7.7	1001.0	8.9	8.2
11	57° 24.0' N 170° 02.1' W	CL	6	110	25	3-5	140	4-5	8.0	1001.1	9.9	8.2
12	57° 25.2' N 170° 06.2' W	CL	6	110	23	6-8	-	-	7.8	1001.1	10.0	9.0
13	57° 25.6' N 170° 04.0' W	CL	8	115	23	6	090	8	7.8	1001.8	10.0	8.8
14	57° 26.4' N 170° 02.1' W	CL	10	114	20	6	140	8	7.5	1001.9	10.8	9.0
15	57° 25.2' N 170° 02.2' W	CL	10	111	18	6	140	8	7.8	1001.8	9.5	8.4
16	57° 26.4' N 170° 07.5' W	CL	6.5	107	19	6	160	7	7.2	1001.4	8.9	8.0
17	57° 17.8' N 170° 11.4' W	PC	10	105	19	3	/	/	7.3	1002.0	9.3	8.4
18	57° 17.4' N 170° 09.9' W	PC	10	110	17	3	/	/	7.4	1002.0	10.1	8.9
19	57° 17.4' N 170° 04.1' W	PC	10	105	18	3	/	/	7.4	1002.1	10.0	9.1
20	57° 17.0' N 170° 04.0' W	PC	10	100	18	3	110	4-6	7.7	1002.2	10.5	9.0
21	57° 24.4' N 170° 06.2' W	PC	10	090	24	4	110	6	7.8	1002.7	9.0	8.1
22	57° 24.8' N 170° 06.2' W	PC	10	090	20	4	110	5	7.6	1003.2	10.0	9.0
23	57° 24.7' N 170° 02.9' W	PC	9	110	18	2	115	3-4	7.5	1003.5	8.2	8.1
24	57° 25.1' N 170° 06.6' W	C	9	104	11	4	115	3-4	7.8	1004.0	10.0	8.9

REMARKS

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP	DAY	DATE	TIME ZONE
MILLER FREEMAN	MONDAY	9/13/99	+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	57° 24.8' N 170° 04.8' W	C	10	090	13	1-2	110	3-4	7.8	1004.0	8.9	8.2
02	57° 24.8' N 170° 05.0' W	PC	10	081	8	1-2	110	3-4	7.8	1004.2	9.2	8.3
03	57° 24.6' N	C	10	084	9	1-2	110	3-4	7.8	1005.0	9.1	8.2
04	FISH OPS											
05	FISH OPS											
06	FISH OPS											
07	57° 24.3' N 170° 04.3' W	PC	1/2	022	6	1-2	✓	✓	7.7	1005.1	7.3	7.0
08	57° 24.5' N 170° 05.2' W	F	1/2	020	7	1	✓	✓	8.0	1005.2	6.1	6.0
09	57° 27.3' N 170° 03.5' W	F	1.5	020	5	✓	122	3	8.1	1006.1	6.9	6.8
10	57° 24.4' N 170° 05.0' W	F	1/2	290	8	✓	120	3	7.8	1006.5	7.2	7.0
11	57° 23.0' N 170° 06.1' W	F	1/2	300	8	✓	120	3	7.7	1006.9	7.6	8.1
12	57° 17.1' N 170° 10.5' W	F	1/2	324	6	✓	060	3	7.4	1006.7	10.5	8.5
13	57° 17.1' N 170° 10.9' W	F	1/2	270	10	✓	060	3	7.5	1007.0	8.5	7.5
14						OPS						
15	57° 09.3' N 170° 01.3' W	F	2	305	13	1-2	120°	2-3	7.3	1008.0	9.6	8.2
16	56° 45.0' N 170° 33.6' W	PC	6.5	241	11	1-2	225°	4-5	7.2	1008.0	9.3	8.0
17	56° 54.1' N 170° 34.1' W	PC	6.5	215	10	1-2	225	4-5	7.3	1008.4	9.8	8.1
18	56° 43.0' N 170° 35.6' W	C	6.5	230	08	1-2	240	4-5	7.4	1008.6	9.4	8.5
19	56° 43.1' N 170° 35.4' W	C	8	210	08	1-2	280	4-5	7.6	1009.3	10.8	9.0
20	56° 49.1' N 170° 29.7' W	CL	9	250	10	1	260	3	7.6	1009.3	9.8	8.2
21	56° 53.4' N 170° 25.5' W	M	2	255	13	1	260	3	7.5	1009.6	8.3	8.0
22	56° 58.2' N 170° 20.8' W	CL	6	360	15	1	260	3	7.7	1010.0	8.2	7.9
23	57° 02.8' N 170° 15.9' W	PC	6	318	18	1	260	3	7.5	1010.0	7.9	7.2
24	57° 2.6' N 170° 15.6' W	CL	10	305	12	2	260	3	7.6	1011.2	8.5	7.4

REMARKS

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP			DAY		DATE		TIME ZONE					
MILLER FREEMAN			TUESDAY		9/14/99		+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° 56.9' N 170° 21.6' W	CL	10	295	15	1	260	3	7.2	1011.3	8.6	7.5
02	56° 56.8' N 170° 21.3' W	CL	10	284	13	0-1	250	3	7.2	1012.0	9.0	7.2
03	56° 54.9' N 170° 24.4' W	CL	10	275	14	0-1	250	3	7.2	1012.0	9.0	7.2
04	56° 46.6' N 170° 32.0' W	CL	6.5	272	10	/	/	/	7.2	1012.1	9.0	7.2
05	56° 41.7' N 170° 37.3' W	CL	6.5	280	08	/	/	/	8.0	1013.2	8.5	7.0
06	56° 42.0' N 170° 39.2' W	CL	6.5	270	09	/	/	/	8.1	1013.3	8.4	6.5
07	56° 41.0' N 170° 34.7' W	CL	6.5	282	10	/	/	/	8.1	1013.3	8.2	7.2
08	56° 41.6' N 170° 36.4' W	PC	7	280	9	/	290	1	8.3	1013.3	9.2	7.8
09	56° 41.6' N 170° 38.1' W	PC	10	290	11	/	290	1	8.2	1013.7	9.7	7.9
10	56° 44.5' N 170° 34.3' W	PC	10	290	10	/	290	1	8.2	1013.9	8.0	7.0
11	56° 44.9' N 170° 34.7' W	PC	10	269	8	/	300	1	7.4	1014.1	7.9	7.2
12	56° 54.2' N 170° 23.7' W	PC	10	250	10.1	/	310	2	7.1	1014.0	8.5	7.9
13	56° 50.8' N 170° 21.5' W	PC	10	255	8	1	290	3	7.0	1014.1	9.5	8.4
14	56° 57.1' N 170° 20.8' W	PC	10	236	6	/	290	2	7.0	1014.1	10.5	8.8
15	57° 00.1' N 170° 18.7' W	PC	10	220	5	/	290	2-3	7.9	1013.9	11.2	9.1
16	57° 02.5' N 170° 16.9' W	PC	6.5	233	7	/	010	3-4	7.8	1013.4	10.2	9.8
17	57° 07.8' N 169° 43.3' W	PC	6.5	201	04	/	240	2-3	7.5	1013.0	10.6	9.1
18	56° 57.8' N 169° 41.4' W	PC	6.5	201	04	/	340	2-3	7.5	1013.1	10.6	9.1
19	56° 57.5' N 169° 41.3' W	PC	6.5	241	11	/	330	2-3	7.5	1013.1	10.8	9.3
20	56° 42.6' N 169° 36.2' W	PC	8	235	8	/	/	/	7.6	1012.7	9.9	8.2
21	56° 38.2' N 169° 35.8' W	CL	8	240	7	/	330	1-2	7.4	1012.7	8.5	7.5
22	56° 46.5' N 169° 36.6' W	CL	8	160	4	/	330	1-2	8.2	1012.5	9.0	8.0
23	56° 45.3' N 169° 36.5' W	CL	10	180	9	/	330	1-2	6.7	1012.2	9.0	8.0
24	56° 45.4' N 169° 36.4' W	CL	10	165	8	/	330	1-2	7.3	1012.0	9.0	7.5
REMARKS												

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP	DAY	DATE	TIME ZONE
Miller Freeman	WEDNESDAY	9/15/99	+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°46.2' N 169°16.9' W	CL	10	171	11	0	230	1	8.1	1011.3	9.0	7.5
02	56°46.4' N 169°36.5' W	CL	10	170	12	0	230	1	8.1	1010.9	9.0	7.3
03	56°45.00' N 169°36.5' W	CL	10	148	12	1	140	—	7.1	1009.7	7.8	6.8
04	56°45.9' N 169°36.2' W	CL	6.5	133	12	1	—	—	7.1	1009.6	7.7	6.7
05	56°44.7' N 169°36.2' W	CL	10	140	18	1-2	—	—	6.9	1007.8	8.3	7.3
06	56°46.4' N 169°37.0' W	CL/R	6.5	143	14	2-3	—	—	8.0	1007.3	8.7	7.8
07	56°44.8' N 169°35.8' W	CL	6.5	155	16	2-3	—	—	6.6	1007.2	8.6	7.6
08	56°55.5' N 169°40.3' W	CL	7	150	16	2	130	4	7.6	1005.0	8.9	7.9
09	57°00.8' N 169°42.1' W	L	7	155	25	2	130	5	8.1	1004.2	9.0	8.0
10	57°06.4' N 169°44.4' W	CL	8	140	21	3	130	5-6	7.3	1003.4	8.0	7.0
11	56°55.5' N 169°37.5' W	L	8	130	22	3-4	130	6-7	8.0	1003.0	7.9	7.0
12	56°45.3' N 169°37.3' W	L	8	135	22	6-10	130	—	8.2	1001.9	8.0	7.1
13	56°34.7' N 169°26.0' W	L	8	145	30	6-10	—	—	8.3	1000.7	8.3	7.9
14	56°29.8' N 169°26.0' W	CL	6	139	30	6-8	—	—	8.9	1008.9	8.5	8.0
15	56°26.4' N 169°26.7' W	CL	8	139	32	8-10	—	—	9.1	1007.5	9.0	8.1
16	56°20.1' N 169°24.0' W	R	5	140	30	8-10	—	—	9.0	996.0	8.5	7.9
17	56°29.3' N 169°28.3' W	R	8	133	28	8-10	—	—	8.9	995.0	10.2	9.1
18	56°32.3' N 169°27.5' W	R	7	145	31	8-10	—	—	7.7	994.0	10.0	8.5
19	56°27.9' N 169°26.9' W	R	6	140	25	8-10	—	—	8.9	993.0	9.0	8.0
20	56°24.9' N 169°28.0' W	R	5	140	30	12	—	—	9.0	991.4	8.9	8.2
21	56°23.5' N 169°28.7' W	R	3	145	32	12-14	—	—	9.0	990.9	8.5	8.5
22	56°22.8' N 169°29.1' W	R	3	140	30	12-14	—	—	9.0	990.2	8.5	8.5
23	56°21.9' N 169°24.6' W	R	2	140	32	12-14	—	—	9.0	989.5	8.7	8.5
24	56°21.4' N 169°29.1' W	R	8	135	30	12-14	—	—	8.9	989.0	8.7	8.4

REMARKS

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP			DAY		DATE		TIME ZONE					
Miller Freeman			THURSDAY		9/16/99		+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° 27.4' N 169° 29.1' W	R	5	150	22	12-15	—	—	8.8	988.1	8.9	8.9
02	56° 27.3' N 169° 26.6' W	R	10	135	26	12-15	—	—	8.9	987.5	8.8	8.5
03	56° 33.2' N 169° 26.5' W	R	6.5	144	22	12-15	—	—	7.3	986.8	8.7	8.7
04	56° 35.16' N 169° 25.9' W	R	6.5	144	22	12-15	—	—	7.3	986.8	8.9	8.7
05	56° 36.5' N 169° 25.8' W	R	3.5	143	16	4-5	—	—	7.3	986.0	8.1	8.0
06	56° 36.0' N 169° 25.0' W	R	4.5	140	15	3-4	—	—	7.2	985.9	8.2	8.3
07	56° 35.5' N 169° 24.9' W	R	4.5	140	14	2-3	—	—	6.6	985.2	8.6	8.1
08	56° 35.1' N 169° 37.1' W	CL	5	140	12	—	—	—	6.5	985.2	9.0	8.9
09	56° 32.07' N 169° 35.4' W	CL	5	130	16	—	—	—	6.7	985.2	9.0	8.0
10	56° 40.4' N 169° 37.7' W	CL	8	135	10	2-3	—	—	6.5	985.0	9.5	8.9
11	56° 49.1' N 169° 36.5' W	CL	8	140	8	2-3	100	6-8	6.4	985.0	9.0	8.0
12	56° 53.4' N 169° 40.0' W	CL	8	135	8	2-4	100	6-10	6.7	984.9	10.0	8.9
13	56° 54.8' N 169° 42.0' W	CL	8	075	14	4-6	100	6-10	7.6	984.9	9.9	8.6
14	57° 03.6' N 169° 43.4' W	CL/L	6	079	21	5-6	100	6-10	7.8	984.9	8.9	7.9
15	57° 08.8' N 170° 00.8' W	R	7	71	18	5-6	110	6-10	7.3	984.3	9.3	8.3
16	57° 16.8' N 170° 04.8' W	R	6.5	59	12	5-6	110	6-8	7.2	984.0	9.2	8.2
17	57° 12.1' N 170° 11.2' W	R	7	060	17	5-6	060	6-8	7.2	983.9	9.0	7.0
18	57° 20.8' N 170° 07.9' W	R	8	075	22	5	070	7	7.6	983.7	7.8	7.0
19	57° 24.7' N 170° 04.8' W	R	8	060	15	5	070	6-8	7.7	983.8	7.0	6.5
20	57° 29.4' N 170° 00.8' W	CL	8	065	19	5	070	6-8	8.0	984.1	7.5	6.6
21	57° 27.3' N 170° 02.1' W	L	8	055	20	5	090	8	7.8	983.9	7.2	6.8
22	57° 24.1' N 170° 05.2' W	L	8	010	12	5	000	6	7.4	983.9	8.5	7.4
REMARKS												

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP <i>Miller Freeman</i>	DAY <i>FRIDAY</i>	DATE <i>9/17/99</i>	TIME ZONE <i>+8</i>
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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	<i>57°14.7' N 170°13.3' W</i>	<i>R</i>	<i>6.8</i>	<i>010</i>	<i>17</i>	<i>2</i>	<i>/</i>	<i>/</i>	<i>7.6</i>	<i>983.9</i>	<i>9.1</i>	<i>7.9</i>
02	<i>57°24.4' N 170°04.7' W</i>	<i>R</i>	<i>7</i>	<i>350</i>	<i>8</i>	<i>1-3</i>	<i>-</i>	<i>-</i>	<i>7.1</i>	<i>982.9</i>	<i>7.0</i>	<i>6.1</i>
03	<i>57°37.0' N 169°52.6' W</i>	<i>R</i>	<i>6.5</i>	<i>294</i>	<i>15</i>	<i>1-3</i>	<i>/</i>	<i>/</i>	<i>8.0</i>	<i>981.6</i>	<i>7.0</i>	<i>6.3</i>
04	<i>57°42.5' N 169°53.4' W</i>	<i>R</i>	<i>6.5</i>	<i>293</i>	<i>15</i>	<i>1-3</i>	<i>/</i>	<i>/</i>	<i>8.1</i>	<i>981.1</i>	<i>7.0</i>	<i>6.3</i>
05	<i>57°55.8' N 169°49.1' W</i>	<i>R</i>	<i>6.5</i>	<i>22</i>	<i>11</i>	<i>/</i>	<i>/</i>	<i>/</i>	<i>7.2</i>	<i>980.0</i>	<i>7.5</i>	<i>7.0</i>
06	<i>58°01.0' N 169°53.5' W</i>	<i>CL</i>	<i>6</i>	<i>030</i>	<i>10</i>	<i>-</i>	<i>100</i>	<i>3</i>	<i>7.1</i>	<i>980.4</i>	<i>7.0</i>	<i>6.4</i>
07												
08	<i>58°01.0' N 168°53.5' W</i>	<i>CL</i>	<i>8</i>	<i>030</i>	<i>10</i>	<i>-</i>	<i>100</i>	<i>3-4</i>	<i>7.1</i>	<i>982.4</i>	<i>7.0</i>	<i>6.4</i>
09	<i>58°04.0' N 168°43.9' W</i>	<i>PC</i>	<i>10</i>	<i>035</i>	<i>5</i>	<i>-</i>	<i>090</i>	<i>3</i>	<i>7.1</i>	<i>980.2</i>	<i>7.2</i>	<i>6.8</i>
10	<i>57°53.2' N 168°50.4' W</i>	<i>CL</i>	<i>10</i>	<i>320</i>	<i>6</i>	<i>1</i>	<i>090</i>	<i>3-4</i>	<i>7.1</i>	<i>980.8</i>	<i>8.3</i>	<i>7.1</i>
11	<i>57°46.3' N 168°46.3' W</i>	<i>CL</i>	<i>10</i>									
12	<i>57°46.3' N 168°55.8' W</i>	<i>CL</i>	<i>10</i>	<i>007</i>	<i>4</i>	<i>1</i>	<i>090</i>	<i>4-6</i>	<i>7.4</i>	<i>981.1</i>	<i>9.0</i>	<i>7.3</i>
13	<i>57°39.2' N 168°59.9' W</i>	<i>CL</i>	<i>3</i>	<i>007</i>	<i>7</i>	<i>1</i>	<i>090</i>	<i>4-6</i>	<i>7.4</i>	<i>981.3</i>	<i>10.0</i>	<i>8.0</i>
14	<i>57°42.3' N 168°45.3' W</i>	<i>CL</i>	<i>10</i>	<i>352</i>	<i>6</i>	<i>1-2</i>	<i>070</i>	<i>5</i>	<i>7.7</i>	<i>981.0</i>	<i>7.0</i>	<i>6.0</i>
15	<i>57°45.2' N 168°37.7' W</i>	<i>CL</i>	<i>10</i>	<i>345</i>	<i>8</i>	<i>2-3</i>	<i>070</i>	<i>6</i>	<i>7.9</i>	<i>981.3</i>	<i>6.9</i>	<i>6.0</i>
16	<i>57°35.4' N 168°28.9' W</i>	<i>CL</i>	<i>6.5</i>	<i>320</i>	<i>08</i>	<i>2-3</i>	<i>070</i>	<i>5</i>	<i>7.8</i>	<i>981.2</i>	<i>7.0</i>	<i>6.0</i>
17	<i>57°40.0' N 167°50.9' W</i>	<i>CL</i>	<i>6.5</i>	<i>338</i>	<i>12</i>	<i>2-3</i>	<i>075</i>	<i>4-5</i>	<i>7.7</i>	<i>981.0</i>	<i>6.6</i>	<i>6.0</i>
18	<i>57°32.0' N 167°36.5' W</i>	<i>CL</i>	<i>10</i>	<i>316</i>	<i>15</i>	<i>2-3</i>	<i>075</i>	<i>4</i>	<i>8.2</i>	<i>980.9</i>	<i>6.8</i>	<i>6.5</i>
19	<i>57°32.4' N 167°36.7' W</i>	<i>CL</i>	<i>10</i>	<i>300</i>	<i>16</i>	<i>2-3</i>	<i>075</i>	<i>4</i>	<i>8.2</i>	<i>980.9</i>	<i>7.0</i>	<i>6.7</i>
20	<i>57°37.9' N 167°30.6' W</i>	<i>PC</i>	<i>10</i>	<i>300</i>	<i>14</i>	<i>2-3</i>	<i>-</i>	<i>-</i>	<i>8.2</i>	<i>980.9</i>	<i>10.0</i>	<i>8.8</i>
21	<i>57°34.8' N 167°07.8' W</i>	<i>CL</i>	<i>10</i>	<i>299</i>	<i>18</i>	<i>4</i>	<i>-</i>	<i>-</i>	<i>8.3</i>	<i>980.9</i>	<i>12.0</i>	<i>9.9</i>
22	<i>57°32.6' N 167°49.7' W</i>	<i>CLR</i>	<i>8</i>	<i>300</i>	<i>19</i>	<i>4</i>	<i>320</i>	<i>5</i>	<i>8.2</i>	<i>980.9</i>	<i>12.0</i>	<i>10.0</i>
23	<i>57°20.7' N 166°34.8' W</i>	<i>R</i>	<i>7</i>	<i>310</i>	<i>16</i>	<i>3</i>	<i>330</i>	<i>5</i>	<i>8.3</i>	<i>980.9</i>	<i>8.9</i>	<i>8.1</i>
24	<i>57°28.0' N 166°13.0' W</i>	<i>R</i>	<i>7</i>	<i>303</i>	<i>18</i>	<i>3-4</i>	<i>330</i>	<i>5</i>	<i>7.9</i>	<i>980.5</i>	<i>8.9</i>	<i>8.1</i>

REMARKS

1300 PATCHY FOG @ 2-3 NM VIS.

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP <i>Miller Freeman</i>	DAY <i>SATURDAY</i>	DATE <i>9/18/99</i>	TIME ZONE <i>+8</i>
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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	<i>57°25.0'N 116°55.7'W</i>	<i>R</i>	<i>8</i>	<i>310</i>	<i>18</i>	<i>5</i>	<i>320</i>	<i>5</i>	<i>7.9</i>	<i>980.3</i>	<i>8.7</i>	<i>8.1</i>
02	<i>57°20.0'N 116°36.8'W</i>	<i>R</i>	<i>8</i>	<i>310</i>	<i>14</i>	<i>5</i>	<i>320</i>	<i>5</i>	<i>8.2</i>	<i>980.5</i>	<i>9.0</i>	<i>8.8</i>
03	<i>57°13.3'N 116°18.2'W</i>	<i>CL</i>	<i>8</i>	<i>307</i>	<i>13</i>	<i>4</i>	<i>320</i>	<i>3</i>	<i>8.4</i>	<i>980.0</i>	<i>9.7</i>	<i>9.0</i>
04	<i>57°08.0'N 116°02.9'W</i>	<i>CL</i>	<i>6.5</i>	<i>322</i>	<i>16</i>	<i>3</i>	<i>/</i>	<i>/</i>	<i>8.6</i>	<i>981.0</i>	<i>10.0</i>	<i>9.2</i>
05	<i>57°05.9'N 116°05.1'W</i>	<i>R</i>	<i>6.5</i>	<i>320</i>	<i>17</i>	<i>3</i>	<i>/</i>	<i>/</i>	<i>8.5</i>	<i>981.1</i>	<i>10.0</i>	<i>9.1</i>
06	<i>57°00.5'N 116°34.6'W</i>	<i>R</i>	<i>6.5</i>	<i>280</i>	<i>14</i>	<i>3</i>	<i>/</i>	<i>/</i>	<i>8.6</i>	<i>981.0</i>	<i>10.1</i>	<i>9.1</i>
07	<i>56°55.5'N 116°17.1'W</i>	<i>R</i>	<i>6.5</i>	<i>277</i>	<i>14</i>	<i>3</i>	<i>/</i>	<i>/</i>	<i>8.5</i>	<i>981.0</i>	<i>10.1</i>	<i>9.0</i>
08	<i>56°52.5'N 116°02.7'W</i>	<i>L</i>	<i>7</i>	<i>285</i>	<i>18</i>	<i>3</i>	<i>/</i>	<i>/</i>	<i>8.6</i>	<i>982.5</i>	<i>8.0</i>	<i>8.5</i>
09	<i>56°50.7'N 116°04.7'W</i>	<i>L</i>	<i>8</i>	<i>270</i>	<i>16</i>	<i>3</i>	<i>240</i>	<i>5</i>	<i>8.5</i>	<i>982.9</i>	<i>9.2</i>	<i>8.8</i>
10	<i>56°48.2'N 116°07.0'W</i>	<i>L</i>	<i>8</i>	<i>270</i>	<i>17</i>	<i>3</i>	<i>235</i>	<i>5</i>	<i>8.4</i>	<i>983.0</i>	<i>9.9</i>	<i>8.9</i>
11	<i>56°34.0'N 116°01.8'W</i>	<i>R</i>	<i>8</i>	<i>260</i>	<i>14</i>	<i>3</i>	<i>240</i>	<i>5</i>	<i>8.4</i>	<i>984.0</i>	<i>12.1</i>	<i>9.0</i>
12	<i>56°22.3'N 116°02.7'W</i>	<i>CL/L</i>	<i>4</i>	<i>240</i>	<i>16</i>	<i>4</i>	<i>240</i>	<i>5</i>	<i>9.3</i>	<i>984.5</i>	<i>10.4</i>	<i>9.1</i>
13	<i>56°11.2'N 116°03.7'W</i>	<i>CL</i>	<i>4</i>	<i>275</i>	<i>18</i>	<i>5</i>	<i>320</i>	<i>5</i>	<i>9.4</i>	<i>985.1</i>	<i>10.6</i>	<i>9.4</i>
14	<i>56°04.5'N 116°06.9'W</i>	<i>CL</i>	<i>8</i>	<i>280</i>	<i>18</i>	<i>5</i>	<i>320</i>	<i>5</i>	<i>9.5</i>	<i>985.9</i>	<i>10.4</i>	<i>9.1</i>
15	<i>56°04.5'N 116°05.4'W</i>	<i>CL</i>	<i>8</i>	<i>275</i>	<i>18</i>	<i>5</i>	<i>320</i>	<i>5</i>	<i>8.1</i>	<i>986.5</i>	<i>10.5</i>	<i>8.9</i>
16	<i>55°39.3'N 116°04.6'W</i>	<i>CL</i>	<i>7</i>	<i>270</i>	<i>16</i>	<i>5</i>	<i>/</i>	<i>/</i>	<i>7.7</i>	<i>986.8</i>	<i>10.2</i>	<i>8.9</i>
17	<i>55°29.8'N 116°17.6'W</i>	<i>CL</i>	<i>7</i>	<i>268</i>	<i>17</i>	<i>5</i>	<i>/</i>	<i>/</i>	<i>7.8</i>	<i>987.0</i>	<i>10.1</i>	<i>9.0</i>
18	<i>55°18.7'N 116°21.4'W</i>	<i>CL</i>	<i>4</i>	<i>276</i>	<i>19</i>	<i>5</i>	<i>/</i>	<i>/</i>	<i>7.7</i>	<i>987.4</i>	<i>9.9</i>	<i>8.6</i>
19	<i>55°07.8'N 116°30.5'W</i>	<i>F</i>	<i>3.5</i>	<i>273</i>	<i>16</i>	<i>5</i>	<i>/</i>	<i>/</i>	<i>7.7</i>	<i>988.0</i>	<i>10.0</i>	<i>9.0</i>
20	<i>54°56.8'N 116°39.3'W</i>	<i>M</i>	<i>2</i>	<i>265</i>	<i>18</i>	<i>4</i>	<i>340</i>	<i>5-6</i>	<i>7.6</i>	<i>989.0</i>	<i>10.8</i>	<i>9.0</i>
21	<i>54°51.8'N 116°44.2'W</i>	<i>M</i>	<i>3</i>	<i>269</i>	<i>18</i>	<i>4</i>	<i>340</i>	<i>5-6</i>	<i>7.8</i>	<i>989.8</i>	<i>9.9</i>	<i>8.9</i>
22	<i>54°43.7'N 116°51.6'W</i>	<i>PC</i>	<i>5</i>	<i>279</i>	<i>17</i>	<i>2</i>	<i>340</i>	<i>5-6</i>	<i>7.6</i>	<i>990.2</i>	<i>9.5</i>	<i>8.2</i>
23	<i>54°33.2'N 116°31.6'W</i>	<i>CL</i>	<i>5</i>	<i>275</i>	<i>16</i>	<i>2</i>	<i>340</i>	<i>6</i>	<i>7.3</i>	<i>990.8</i>	<i>9.5</i>	<i>8.1</i>
24	<i>54°22.0'N 116°13.6'W</i>	<i>CL</i>	<i>6</i>	<i>280</i>	<i>16</i>	<i>3</i>	<i>340</i>	<i>6</i>	<i>8.5</i>	<i>991.1</i>	<i>9.7</i>	<i>8.1</i>

REMARKS

1400 Position: 56° 02'N, 116° 45.0'W

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP <i>Miller Freeman</i>	DAY <i>SUNDAY</i>	DATE <i>9/19/99</i>	TIME ZONE <i>+8</i>
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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	<i>54° 12.2' N 166° 21.2' W</i>	<i>CL</i>	<i>8</i>	<i>285</i>	<i>16</i>	<i>7</i>	<i>110</i>	<i>5</i>	<i>7.1</i>	<i>998.8</i>	<i>9.2</i>	<i>8.0</i>
02	<i>54° 1.4' N 166° 29.8' W</i>	<i>CL</i>	<i>8</i>	<i>290</i>	<i>18</i>	<i>7</i>	<i>110</i>	<i>5</i>	<i>7.7</i>	<i>992.0</i>	<i>8.6</i>	<i>7.7</i>
03	<i>53° 58.5' N 166° 34.5' W</i>	<i>CL</i>	<i>10</i>	<i>260</i>	<i>8</i>	<i>7</i>	<i>—</i>	<i>—</i>	<i>7.3</i>	<i>992.2</i>	<i>9.2</i>	<i>6.9</i>
04	<i>53° 58.7' N 166° 34.4' W</i>	<i>CL</i>	<i>7</i>	<i>269</i>	<i>5</i>	<i>1-2</i>	<i>/</i>	<i>/</i>	<i>7.4</i>	<i>992.1</i>	<i>8.7</i>	<i>7.1</i>
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REMARKS *0300 hrs. MOVED TO OUTSIDE OF DUTCH HARBOR, AK., LESS THAN 1 NM
FROM LAND.*