

## DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP

Miller Freeman

DAY

SATURDAY

DATE

9/18/99

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	57° 25.0' N 164° 55.7' W	R	8	310	18	5	320	5	7.9	980.3	8.7	8.1
02	57° 20.0' N 165° 36.8' W	R	8	310	14	5	320	5	8.2	980.5	9.0	8.8
03	57° 13.9' N 165° 18.2' W	CL	8	307	13	4	320	3	8.4	981.0	9.7	9.0
04	57° 08.0' N 165° 02.4' W	CL	6.5	322	16	3	/	/	8.6	981.0	10.0	9.2
05	57° 05.9' N 164° 55.1' W	R	6.5	320	17	3	/	/	8.5	981.1	10.0	9.1
06	57° 00.5' N 164° 34.6' W	R	6.5	320	17	3	/	/	8.6	981.0	10.1	9.1
07	56° 55.5' N 164° 17.1' W	R	6.5	277	14	3	/	/	8.5	981.0	10.1	9.0
08	56° 52.5' N 164° 02.7' W	L	7	285	18	3	/	/	8.6	982.5	8.0	8.5
09	56° 50.9' N 164° 04.7' W	L	8	270	16	3	240	5	8.5	982.9	9.2	8.8
10	56° 48.2' N 164° 07.0' W	L	8	270	17	3	235	5	8.4	983.0	9.9	8.9
11	56° 34.0' N 164° 18.8' W	R	8	260	14	3	240	5	8.4	984.0	10.1	9.0
12	56° 22.3' N 164° 23.7' W	CL/L	4	240	16	4	240	5	9.3	984.5	10.4	9.1
13	56° 11.2' N 164° 34.7' W	CL	4	275	18	5	320	5	9.4	985.1	10.6	9.4
14	56° 04.5' N 164° 56.9' W	CL	8	280	18	5	320	5	9.5	985.9	10.4	9.1
15	55° 48.5' N 164° 50.9' W	CL	8	275	18	5	320	5	8.1	986.5	10.5	8.9
16	55° 32.3' N 165° 04.6' W	CL	7	270	16	5	/	/	7.7	986.8	10.2	8.9
17	55° 29.8' N 165° 12.6' W	CL	7	268	17	5	/	/	7.8	987.0	10.1	9.0
18	55° 18.7' N 165° 21.4' W	CL	5	276	19	5	/	/	7.7	987.4	9.9	8.6
19	55° 07.3' N 165° 30.5' W	F	5.5	273	16	5	/	/	7.7	988.0	10.0	9.0
20	54° 36.8' N 165° 32.3' W	M	2	265	18	4	340	5-6	7.6	989.0	10.0	9.0
21	54° 51.8' N 165° 44.2' W	M	3	269	18	4	340	5-6	7.8	989.8	9.9	8.9
22	54° 43.7' N 165° 51.6' W	PC	5	279	17	2	340	5-6	7.6	990.2	9.5	8.2
23	54° 33.2' N 166° 01.6' W	CL	5	275	16	2	340	6	7.3	990.8	9.5	8.1
24	54° 22.0' N 166° 13.6' W	CL	6	280	16	3	340	6	8.5	991.1	9.7	8.1

REMARKS

1400 Position: 56° 02' N, 164° 45.0' W

## DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP

Miller Freeman

DAY

SUNDAY

DATE

9/19/99

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	54° 12.2' N 166° 21.2' W	CL	8	285	16	7	110	5	7.1	998.8	9.2	8.0
02	54° 1.4' N 166° 29.8' W	CL	8	290	18	7	110	5	7.7	992.0	8.6	7.7
03	53° 58.5' N 166° 34.5' W	CL	10	260	8	7	—	—	7.3	992.2	9.2	6.9
04	53° 58.7' N 166° 34.4' W	CL	7	269	5	1-2	—	—	7.4	992.1	8.7	7.1
05	53° 54.0' N 166° 34.4' W	R	7	246	5	1-2	—	—	7.8	992.2	8.6	7.0
06	53° 58.2' N 166° 34.4' W	R	6.5	252	5	1-2	—	—	7.3	992.2	8.5	6.9
07	53° 58.4' N 166° 34.6' W	R	7	266	5	1-2	—	—	7.2	992.2	9.2	7.9
08	DUTCH HARBOR											
09												
10												
11												
12	53° 53.5' N 166° 32.1' W	CL	6	330	16	1	—	—	—	993.1	9.9	7.9
13		CL	8			7	—	—				
14												
15												
16												
17												
18												
19												
20												
21												
22	54° 08.14' N 166° 02.99' W	PC	8-10	325	14	2-3	370	6	6.7	996.2	7.8	6.1
23	54° 15.14' N 166° 15.75' W	PC	8-10	278	15	2-3	370	6	6.6	996.0	7.5	6.1
24	54° 21.9' N 166° 31.1' W	CL	8-10	265	16	2-3	330	6-8	6.9	996.0	7.1	6.2

REMARKS

0300 HRS. MOVED TO OUTSIDE OF DUTCH HARBOR, AK. LESS THAN 1 NM  
FROM LAND

## DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP

Miller Freeman

DAY

MONDAY

DATE

9/20/99

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		CL	10	<del>230</del> 260	16	3	330	6	7.8	996.0	6.9	6.2
02	54° 40.6' N 165° 43.4' W	CL	10	260	10	3	330	4	7.4	995.9	7.0	6.9
03	54° 46.3' N 165° 42.9' W	CL	10	250	12	3	330	4	7.9	995.7	7.8	7.1
04	54° 50.4' N 164° 09.1' W	CL	6.5	240	13	4	—	—	7.7	995.6	7.7	7.2
05	55° 00.0' N 164° 07.9' W	CL	6.5	252	19	4	—	—	7.7	995.4	7.6	7.1
06	55° 03.2' N 164° 16.2' W	CL	6.5	250	18	4	—	—	7.6	995.3	8.1	7.7
07	55° 08.9' N 163° 54.3' W	CL	6.5	260	18	4	—	—	8.3	995.7	8.0	7.9
08	55° 09.1' N 163° 54.1' W	CL	6	260	20	4-5	—	—	8.3	995.2	8.0	7.3
09	55° 09.1' N 163° 54.1' W	CL	6	265	18	4-5	—	—	8.3	995.2	8.0	7.0
10	55° 10.9' N 163° 55.0' W	CL	4	290	16	4-5	—	—	8.1	995.8	7.6	7.0
11	55° 15.1' N 163° 58.7' W	CL	4	250	23	4-5	—	—	7.9	995.8	7.8	7.0
12	55° 14.9' N 163° 58.4' W	CL/L	6	235	14	4-5	—	—	8.0	996.0	8.9	7.8
13	55° 15.7' N 163° 58.9' W	CL	6	242	21	5-6	—	—	8.1	996.0	7.9	7.0
14	55° 25.0' N 164° 20.0' W	CL	10	240	18	5-6	—	—	8.3	996.0	8.4	7.8
15	55° 24.8' N 164° 06.5' W	PC	10	245	20	5-6	285	6	8.3	996.0	9.8	9.0
16	55° 26.2' N 164° 12.8' W	PC	10	240	21	5-6	270	4-6	8.9	995.9	8.3	8.1
17	55° 32.2' N 164° 32.2' W	PC	6.5	230	21	4-5	246	4-6	8.3	995.2	8.0	8.2
18	55° 36.7' N 164° 59.4' W	PC	6.5	233	16	4-5	250	4-6	8.0	995.0	7.9	8.0
19	55° 40.9' N 165° 02.9' W	PC	7	221	17	4-5	255	4-5	8.1	995.0	7.8	8.2
20	55° 47.1' N 165° 25.1' W	CL	6	231	20	4-5	—	—	8.6	994.2	7.0	6.2
21	55° 51.8' N 165° 40.8' W	CL	7	241	20	5-6	—	—	8.5	994.1	7.7	6.9
22	55° 58.1' N 166° 01.4' W	CL	7	253	20	5-6	—	—	8.9	994.0	7.5	7.3
23				ops								
24	56° 03.2' N 166° 20.2' W	L	7	275	7.0	5-6	—	—	9.2	994.0	8.0	7.7

REMARKS

## DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP

Miller Freeman

DAY

TUESDAY

DATE

9/21/99

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° 3.6' N 166° 17.3' W	L	10	245	12	3	—	—	9.3	994.0	8.9	8.0
02	56° 09.2' N 165° 57.6' W	R	35	225	12	3	—	—	9.2	994.0	9.0	8.2
03	56° 14.9' N 165° 37.3' W	R	5-10	220	14	3	—	—	9.1	994.0	9.1	8.2
04	55° 01.7' N 165° 20.2' W	R	6.5	199	12	3	—	—	9.1	993.6	9.8	8.3
05	56° 26.5' N 164° 55.5' W	R	6.5	201	13	3	—	—	9.1	993.5	9.7	8.2
06	56° 31.9' N 164° 36.2' W	R	6.5	200	11	3	—	—	9.1	994.0	9.1	7.8
07	56° 36.4' N 164° 19.4' W	CL	6.5	210	11	3	—	—	9.1	993.7	9.0	7.7
08	56° 44.1' N 163° 56.6' W	PC	7.5	218	9	2	—	—	8.4	993.4	8.1	7.2
09	56° 45.3' N 163° 12.1' W	PC	10	196	8	2	—	—	8.6	993.4	8.9	7.8
10	56° 47.0' N 164° 16.9' W	PC	10	175	5	2	210	5	8.9	993.2	9.2	8.0
11	56° 48.7' N 164° 57.4' W	PC	10	124	7	2	200	3-4	8.5	993.3	9.6	7.5
12	56° 03.3' N 166° 25.2' W	PC	10	101	5	2	200/240	3-4	8.7	993.4	9.7	7.5
13	56° 48.2' N 164° 01.4' W	PC	10	095	5	1	200/240	3-4	8.7	993.2	10.2	8.0
14	56° 51.4' N 164° 23.9' W	PC	10	075	5	≤1	200/240	4	8.8	993.0	13.1	10.0
15		PC	10	—	—	—	—	2-3	—	992.4	—	—
16	56° 52.6' N 164° 01.5' W	PC	10	050	6	≤1	250	2-3	9.1	992.4	10.1	8.9
17	56° 52.5' N 164° 03.3' W	PC	7	031	9	1	—	—	9.0	992.0	15.0	10.2
18	56° 52.5' N 164° 02.9' W	PC	10	011	9	1	—	—	9.2	991.2	10.0	8.4
19	57° 59.0' N 163° 54.5' W	PC	7	032	10	2	—	—	8.9	990.3	9.2	7.3
20	57° 11.6' N 163° 39.5' W	PC	10	014	12	2	—	—	8.5	990.0	8.2	7.0
21	57° 22.4' N 163° 25.8' W	PC	10	358	17	3	—	—	7.9	989.6	7.8	7.0
22	57° 24.1' N 163° 24.0' W	PC	7	010	14	3	—	—	8.0	989.5	8.2	7.5
23	57° 26.5' N 163° 33.1' W	PC	7	357	14	3	—	—	8.1	989.2	8.6	7.5
24	57° 31.8' N 163° 52.5' W	PC	10	330	16	3	—	—	7.9	989.1	8.0	7.1

REMARKS

1200 POS L 56 48.8N 163 59.7W

## DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP

Miller Freeman

DAY

DATE

TIME ZONE

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° 37.3' N 164° 12.4' W	PC	10	330	17	4	—	—	7.8	989.1	8.0	7.2
02	57° 43.8' N 164° 35.5' W	PC	10	325	18	4	—	—	7.7	989.0	8.0	7.1
03	57° 49.4' N 164° 55.1' W	PC	6	325	18	4	—	—	7.9	989.0	8.0	7.2
04	57° 53.2' N 165° 08.9' W	PC	7	333	13	2	—	—	7.8	989.0	8.2	7.6
05	57° 54.3' N 165° 23.1' W	PC	7	330	12	2	—	—	7.8	989.0	8.1	7.5
06	58° 04.16' N 165° 05.9' W	PC	7	339	12	2	—	—	7.7	989.0	8.2	7.7
07	58° 09.2' N 166° 11.8' W	PC	7	336	16	—	—	—	7.7	988.9	8.6	7.7
08	58° 15.1' N 166° 33.8' W	PC	8	336	19	2-4	—	—	7.6	988.9	8.3	7.7
09	58° 20.4' N 166° 53.4' W	CL	9	329	21	3-4	—	—	7.1	989.0	8.1	7.6
10	58° 16.4' N 166° 43.4' W	CL	10	330	20	3-4	—	—	6.8	989.6	8.2	7.7
11	58° 20.5' N 167° 3.4' W	PC	10	327	23	4	—	—	6.7	990.3	8.4	7.7
12	58° 36.5' N 167° 53.9' W	CL/L	10	327	20	4	—	—	6.7	991.0	8.3	7.4
13												
14	58° 33.8' N 168° 23.9' W	CL	5	330	21	5	—	—	6.8	992.0	9.0	8.0
15	58° 34.1' N 168° 30.9' W	CL	5	335	24	5	—	—	6.9	993.0	7.8	7.0
16	58° 27.2' N 164° 34.4' W	CL	6	332	22	3	—	—	7.1	992.9	7.9	7.0
17	58° 13.4' N 168° 40.7' W	CL	7	334	21	4	—	—	7.6	993.1	7.5	7.2
18	58° 02.5' N 168° 46.7' W	CL	7	332	20	4	—	—	7.5	994.0	7.7	7.3
19	57° 52.2' N 168° 51.6' W	CL	7	328	22	4	—	—	7.2	994.2	7.6	7.2
20	57° 51.0' N 168° 50.9' W	CL	6	330	22	4-5	—	—	7.5	995.0	8.0	7.5
21	57° 43.7' N 168° 44.8' W	CL	5	323	24	4-5	—	—	7.4	995.9	7.0	6.8
22	57° 32.5' N 168° 31.9' W	CL	5	331	27	6-7	—	—	7.4	996.7	7.2	6.5
23	57° 15.0' N 168° 55.2' W	CL	4-5	333	16	4-5	—	—	7.4	998.1	7.4	6.8
24	57° 4.7' N 168° 58.0' W	PC	10	330	16	4-5	—	—	7.9	999.0	10.0	7.9

REMARKS

0200 and 0300 wind direction: 325

## DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP

Miller Freeman

DAY

Thursday

DATE

9/23/99

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	56° 31.0' N 169° 0.0' W	PC	10	320	18	5-7	330	5-7	8.2	999.8	10.5	8.1
02	56° 40.3' N 169° 1.5' W	PC	10	307	16	5-7	330	5-7	8.9	999.9	9.6	7.6
03	56° 39.9' N 169° 13.7' W	PC	10	287	15	5-7	330	4-5	7.9	1000.2	8.9	7.1
04	56° 20.2' N 169° 15.2' W	PC	7	308	14	/	/	/	8.6	1001.0	8.9	7.1
05	56° 06.9' N 169° 15.2' W	PC	7	337	19	/	/	/	8.8	1001.3	8.7	7.2
06	55° 56.5' N 169° 14.8' W	PC	7	331	18	/	/	/	8.8	1001.6	8.6	7.1
07	56° 02.6' N 169° 12.1' W	PC	7	311	17	/	/	/	8.6	1002.1	7.3	5.2
08	56° 10.3' N 169° 19.1' W	PC	7	324	22	5-7	/	/	8.8	1002.7	8.7	6.7
09	56° 11.8' N 169° 22.9' W	PC	10	335	16	5-7	010	6	8.9	1002.9	8.1	7.2
10	56° 15.0' N 169° 22.0' W	PC	10	340	19	5-7	010	6	9.0	1003.5	9.0	7.0
11	56° 23.8' N 169° 20.4' W	PC	10	324	18	5-7	010	6	7.9	1004.1	10.2	8.0
12	56° 21.1' N 169° 29.7' W	PC	10	332	15	5	010	5	8.8	1005.9	6.9	4.7
13												
14	56° 21.1' N 169° 29.7' W	PC	10	332	15	5	010	5	8.8	1005.9	6.9	4.7
15	56° 19.9' N 169° 28.9' W	PC	10	322	16	5	-	-	8.9	1006.4	10.4	9.0
16	56° 06.9' N 169° 30.2' W	PC	7	306	13	3	030	5	8.2	1006.3	8.2	7.1
17	55° 55.0' N 169° 30.0' W	PC	7	310	12	3	040	5	8.1	1006.4	8.3	7.2
18	55° 58.1' N 169° 45.1' W	PC	7	322	12	4	340	5	8.2	1006.8	8.3	7.2
19	56° 09.8' N 169° 44.1' W	PC	7	340	13	4	340	5	8.9	1006.4	8.2	7.2
20	56° 22.8' N 169° 45.0' W	PC	7	303	15	4	340	5	8.8	1006.7	6.9	5.2
21	56° 18.4' N 169° 55.0' W	PC	7	299	16	4	299	5	8.9	1007.4	8.2	5.6
22	56° 14.2' N 169° 46.4' W	PC	7	289	18	4-5	275	5	8.9	1008.2	7.0	4.9
23	56° 14.9' N 169° 27.6' W	PC	7	294	14	4-5	/	/	8.9	1008.4	7.3	5.0
24	56° 15.0' N 169° 28.8' W	PC	7	294	08	4-5	/	/	9.0	1008.8	7.6	5.0

REMARKS

(1) sea wave height 5-7 FT

1200 - 1300 WEAX NOT DONE DUE TO Absence of Lookout (bovy operations)

## DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP

Miller Freeman

DAY

Friday

DATE

9/24/99

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	56° 51.9' N 163° 51.4' W	CL	10	270	12	4	—	—	8.8	1009.5	8.1	5.0
02	56° 06.0' N 164° 22.4' W	CL	10	270	20	4	—	—	8.9	1009.2	7.8	5.1
03	56° 06.0' N 164° 44.9' W	CL	10	254	18	4-6	—	—	8.8	1009.2	7.5	5.3
04	56° 06.5' N 164° 00.7' W	CL	7	250	18	4	—	—	8.6	1009.1	7.6	5.7
05	56° 05.8' N 164° 32.4' W	CL	7	253	18	4	—	—	8.7	1009.2	7.6	5.8
06	56° 05.3' N 164° 16.6' W	CL	7	256	18	4	—	—	8.7	1009.2	7.6	5.8
07	56° 05.1' N 164° 52.1' W	CL	7	254	17	3	—	—	8.6	1009.6	7.6	5.8
08	55° 56.2' N 164° 07.1' W	PC	7	266	18	4	—	—	8.7	1010.2	8.9	7.0
09	55° 04.5' N 164° 10.2' W	PC	7	256	18	4	—	—	8.8	1010.3	8.8	7.0
10	56° 04.1' N 167° 51.8' W	PC	7	254	19	4	—	—	8.9	1010.7	8.9	7.3
11	56° 03.8' N 167° 27.2' W	PC	7	251	18	4-6	—	—	8.9	1011.2	10	8.0
12	56° 03.3' N 167° 59.5' W	CL	10	266	20	4-6	—	—	8.8	1011.5	10.7	8.3
13	56° 03.3' N 166° 43.9' W	CL	10	254	18	4-6	—	—	9.1	1012.1	10.6	8.4
14	56° 02.4' N 166° 20.2' W	PC	10	255	28	5-6	290	6	9.1	1012.0	11.4	8.7
15	56° 02.9' N 166° 20.7' W	PC	10	253	26	6-8	290	6	9.1	1011.9	11.2	8.9
16	55° 58.4' N 166° 32.6' W	PC	7	243	25	4-5	260	4	9.1	1012.0	8.9	7.3
17	55° 51.2' N 166° 53.1' W	PC	7	240	26	4-5	260	4	9.1	1012.1	8.9	7.2
18	55° 45.7' N 167° 08.3' W	PC	7	240	25	4-5	280	4	9.2	1013.6	8.7	7.1
19	55° 38.7' N 167° 27.8' W	PC	7	243	26	3-4	270	3	9.1	1014.4	8.6	7.2
20	55° 31.1' N 167° 41.8' W	PC	7	243	14	3-4	270	3-4	8.8	1016.3	8.9	8.0
21	55° 27.6' N 167° 59.5' W	PC	7	318	14	3-4	270	3-4	8.8	1017.2	9.2	7.0
22	55° 25.1' N 168° 06.2' W	PC	7	312	12	2-3	305	4	8.3	1018.1	9.6	6.7
23	55° 19.2' N 168° 13.6' W	PC	7	327	09	2-3	315	4-5	8.4	1019.4	9.7	7.1
24	55° 21.5' N 168° 13.6' W	PC	7	340	12	2-3	310	4	8.7	1020.3	8.8	6.5

REMARKS

# DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP		DAY		DATE		TIME ZONE						
Miller Freeman		SATURDAY		9/25/99		+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° 18.8' N 168° 17.6' W	C	10	330	5	3	310	4-6	8.9	1021.0	8.2	7.0
02	55° 10.6' N 168° 25.3' W	C/PC	10	330	6	3	310	4-6	8.3	1022.0	8.2	6.5
03	55° 07.6' N 168° 28.0' W	PC	10	330	5	3	310	4-6	8.5	1022.2	8.0	6.0
04	55° 00.4' N 168° 48.8' W	PC	10	345	5	3	310	4-6	8.5	1022.5	8.0	6.5
05	55° 00.4' N 168° 48.8' W	PC	7	340	5	3	/	/	8.5	1023.0	8.0	6.4
06	55° 05.5' N 168° 48.3' W	PC	7	356	3	3	310	2-3	8.3	1024.0	7.9	6.8
07	54° 44.2' N 168° 05.0' W	PC	7	008	3	2	315	3-4	8.5	1025.0	8.9	6.9
08	54° 44.2' N 168° 06.0' W	PC	10	LT	AIRS	1-2	300	4	8.4	1025.1	8.2	7.9
09	54° 40.0' N 168° 11.6' W	PC	10	LT	AIRS	1-2	300	4	8.4	1025.2	8.3	8.6
10	54° 34.8' N 168° 11.5' W	PC	7	LT	AIRS	1-2	285	4	8.3	1026.1	10.0	8.7
11	54° 30.4' N 168° 22.2' W	PC	7	LT	AIRS	1	290	4	8.5	1026.9	10.0	8.7
12	54° 22.4' N 168° 45.4' W	PC	10	LT	AIRS	1-2	310	5	8.8	1027.0	14.6	9.9
13	54° 19.8' N 168° 50.2' W	PC	10	LT	AIRS	1-2	320	5	8.7	1027.5	16.8	11.8
14	54° 13.9' N 168° 44.9' W	PC	10	LT	AIRS	1-2	320	4	8.9	1028.0	8.7	7.0
15	54° 04.2' N 169° 36.0' W	PC	10	LT	AIRS	1	320	2-3	8.9	1027.0	8.9	7.9
16	53° 03.0' N 169° 30.1' W	PC	10	LT	AIRS	1	320	2-3	8.9	1027.9	9.0	8.1
17	53° 56.7' N 169° 25.6' W	PC	7	274	3	1	335	2-3	8.7	1027.4	9.1	8.1
18	53° 47.2' N 169° 16.2' W	PC	10	LT	AIRS	1	330	2-3	8.7	1027.8	10.0	9.1
19	53° 47.3' N 169° 16.2' W	PC	10	LT	AIRS	1	330	2-3	8.7	1027.8	9.9	8.2
20	53° 41.8' N 169° 10.2' W	PC	10	LT	AIRS	1	285	3-4	8.6	1028.3	8.5	7.5
21	53° 36.2' N 169° 03.9' W	PC	19	LT	VAR	<1	300	3-4	8.5	1027.2	8.9	7.8
22	53° 23.6' N 168° 04.2' W	PC	10	LT	VAR	1-2	300	3-4	8.6	1029.5	8.7	7.8
23	53° 31.0' N 168° 55.0' W											
24	53° 30.1' N 168° 56.1' W	PC (1/8)	10	LT	AIRS	1	300	2	8.6	1030.1	8.0	7.2
REMARKS 1800 WEAIR NOT DONE DUE TO CTD OPS.												



## DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP

MILLER FREEMAN

DAY

SUNDAY

DATE

9/26/99

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	53-26.3 N 168-45.2 W	CLEAR	7	CALM		<1	300	2	6.9	1030.2	8.2	7.8
02												
03	53-17.4 N 168-49.4 W	PC	10	LT AIRS		<1	300	2-3	6.5	1030.9	7.5	6.9
04	53-12.7 N 168-57.0 W	PC	7	270	4	0	300	2	6.1	1030.7	7.8	6.9
05	53-02.6 N 169-12.6 W	PC	7	270	4	0	300	2	6.1	1030.7	8.1	7.5
06	52-52.9 N 169-27.4 W	PC	7	270	4	0	300	7	6.7	1030.7	8.1	7.5
07	52-48.1 N 169-24.1 W	PC	7	270	4	/	300	2	6.2	1030.7	8.1	7.5
08	52-41.0 N 169-18.8 W	PC	7	LT AIRS		0	300	2-3	7.6	1031.2	8.0	7.0
09	52-31.2 N 169-52.3 W	FOG	.3	LT AIRS		0	290	2-3	7.1	1031.3	6.8	6.1
10	52-21.2 N 170-05.7 W	FOG	.3	LT AIRS		0	290	2-3	8.3	1031.7	5.8	5.2
11	52-21.3 N 170-21.0 W	PC	7	023	7	0	290	2	8.8	1032.0	5.9	6.2
12	52-22.8 N 170-32.4 W	CL	8	045	6	0	330	1	8.7	1032.3	6.9	6.0
13	52-16.8 N 170-41.6 W	CL	8	060	2	0	330	1	9.2	1032.4	6.9	6.3
14	52-11.4 N 170-30.3 W	CL	8	035	4	0	330	2	8.9	1032.1	7.0	6.1
15												
16	52-05.9 N 170-26.5 W	CL	8	300	5	0	350	1	9.0	1031.9	10.2	8.1
17	52-05.9 N 170-26.4 W	CL	7	066	3	0	350	2	9.1	1031.0	7.3	7.0
18	51-56.9 N 170-23.0 W	CL	8	165	2	0	280	1	9.1	1030.5	9.9	8.0
19	51-56.8 N 170-22.8 W	CL	8	143	4	0	280	1-2	9.1	1030.5	10.1	8.5
20	51-57.2 N 170-22.4 W	CL	7	LT VAR		0	140	3	9.0	1030.2	9.8	7.5
21	51-48.1 N 170-14.0 W	CL	7	LT VAR		0	140	6-8	8.9	1029.8	7.6	6.5
22	51-45.9 N 170-18.2 W	CL	7	100	4	0	140	5-7	8.9	1030.1	7.3	6.2
23	51-40.1 N 170-18.4 W	CL	7	140	4	<1	140	5-7	8.9	1030.1	5.1	4.9
24	51-41.2 N 170-15.6 W	CL	8	145	10	1	140	4-5	9.3	1030.0	5.9	5.6

REMARKS

0700 WEAX NOT DONE DUE TO CTD OPS.

1500 WEAX

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## DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP

DAY

DATE

TIME ZONE

Miller Freeman

MONDAY

9/27/99

+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	51° 30.8' N 170° 12.3' W	F	1/8	140	10	1-2	175	4-5	9.2	1029.8	5.1	5.1
02	51° 30.6' N 170° 11.6' W	FOG	0.1	140	5	1	150	4	9.3	1029.6	5.7	5.5
03	51° 30.6' N 170° 11.3' W	FOG	0.2	140	7	1	150	4	9.1	1029.2	6.0	6.0
04	51° 23.1' N 170° 03.0' W	P/C	7	140	9	1	150	4	9.1	1028.3	6.3	6.1
05	51° 14.0' N 170° 04.3' W	PC	8	170	7	1	150	4	8.6	1028.0	8.1	7.1
06	51° 14.7' N 170° 04.3' W	PC	8	170	6	1	150	4	8.6	1028.0	8.0	7.1
07	51° 15.1' N 170° 04.1' W	PC	8	180	7	1	150	4	8.5	1027.5	8.0	7.2
08	51° 15.7' N 170° 00.2' W	PC	7	173	11	1-2	150	4	8.8	1026.3	9.1	8.0
09	51° 15.7' N 169° 55.6' W	PC	7	174	16	2-3	150	4	8.6	1025.7	9.0	7.7
10	51° 45.1' N 169° 41.4' W	PC	7	172	15	2-3	150	4	8.6	1025.3	9.4	8.2
11	51° 56.5' N 169° 28.4' W	PC	7	173	17	3	140	4-5	8.6	1025.3	9.9	8.6
12	52° 12.0' N 169° 39.6' W	CL	10	175	18	3	150	5-7	8.7	1025.0	10.6	8.0
13	52° 28.2' N 169° 32.0' W	CL	10	170	17	3	150	5-7	6.9	1025.0	11.1	8.4
14	52° 35.4' N 169° 31.7' W	CL	10	180	20	3	150	5-7	6.1	1024.9	11.3	8.5
15	52° 47.1' N 169° 29.7' W	CL	10	180	18	3	150	5-7	6.8	1023.8	11.4	8.3
16	52° 58.9' N 169° 17.2' W	CL	10	168	18	3	150	5-7	6.8	1023.8	9.4	8.4
17	53° 07.7' N 169° 04.4' W	CL	10	162	18	3	150	5-7	6.8	1023.8	9.7	8.3
18	53° 16.4' N 168° 50.6' W	CL	7	162	17	3	150	5-7	6.8	1023.6	9.7	8.3
19	53° 25.7' N 168° 35.6' W	CL	7	160	17	3	150	5	6.7	1023.6	9.7	8.2
20	53° 45.5' N 168° 10.0' W	CL	7	278	7	2	—	—	6.5	1020.8	8.9	6.9
21	53° 50.0' N 167° 53.7' W	CL	7	166	24	7-4	150	6-7	6.6	1020.4	8.8	7.9
22	53° 53.7' N 167° 41.5' W	CL	7	156	21	4	160	6	7.6	1020.8	9.0	8.2
23	53° 54.5' N 167° 18.5' W	CL	7	163	25	4-5	160	6	7.3	1020.6	8.8	7.8
24	54° 02.2' N 167° 04.0' W	CL	7	112	04	1	—	—	7.8	1020.5	9.6	7.0

REMARKS