

## DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP <b>MILLER FREEMAN</b>	DAY <b>FRIDAY</b>	DATE <b>21 MAY 99</b>	TIME ZONE <b>18</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° 53' N 166° 32' W	CL	10	010	4	21	\	\	N/A	1004.4	6.2	5.0
02												
03												
04	53° 53' N 166° 32' W	R	10	015	4	21	\	\	N/A	1004.8	6.2	5.0
05												
06												
07	53° 53' N 166° 32' W	CL	10	VAR	LT	21	\	\	N/A	1005.8	7.1	6.0
08												
09												
10	53° 53' N 166° 32' W	CL	10	VAR	LT	<1	/	/	N- DATA	1006.0	/	/
11												
12												
13	53° 53' N 166° 32' W	PC	10	VAR	LT	<1	/	/				
14	54° 06.5' N 166° 15.8' W	1										
15												
16												
17	54° 06.5' N 166° 15.9' W	PC	10	335	12	1-2	030	2-3	N/A	1006.9	5.0	4.0
18	54° 15.6' N 166° 02.2' W	PC	10	VAR	LT.	0	030	01-2	4.3	1006.9	5.2	4.2
19	54° 45.8' N 165° 46.3' W	CL/R	10	000	07	1-2	030	1-2	5.3	1006.9	5.0	4.2
20	54° 21.8' N 165° 28.1' W	CL/R	10	50	12	1	/	/	4.4	1006.9	4.8	4.0
21	54° 19.6' N 165° 07.0' W	PC	10	213	6	<1	/	/	3.9	1006.9	6.2	5.2
22	54° 17.3' N 164° 44.8' W	PC	10	/	0	<1	/	/	3.2	1006.9	4.1	3.9
23	54° 13.2' N 164° 35.4' W	PC	10	/	0	<1	/	/	3.4	1007.4	4.4	3.9
24	54° 10.0' N 164° 28.7' W	PC	10	95	5	<1	/	/	3.6	1008.2	4.8	3.9

REMARKS

# DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP		DAY		DATE		TIME ZONE						
MILLER FREEMAN		SAT		22 May 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°48.2' N 161°01.9' W		10	067	7	/	/	/	6.9	1018.1	6.1	5.1
02	54°25.2' N 164°02.9' W		10	074	4	/	/	/	3.2	1018.2	5.9	4.9
03	54°31.8' N 163°51.2' W		10	097	7	/	/	/	3.0	1018.1	3.9	3.2
04	54°24.8' N 163°37.1' W	CL	10	045	6	1-2	N/A	3-4	4.3	1008.9	4.0	3.8
05	54°18.1' N 163°23.3' W	CL	10	050	5	1-2	N/A	1-2	3.5	1009.0	5.9	5.3
06	54°16.2' N 163°04.1' W	CL	5	072	3.2	0	110	3-4	3.5	1008.9	5.1	4.8
07	54°15.5' N 162°43.4' W	CL	10	101	9	0-1	140	3-4	3.2	1008.9	4.5	4.0
08	54°18.2' N 162°24.0' W	CL	10	111	8	0	215	1-2	3.4	1009.2	5.1	4.3
09	54°26.1' N 162°19.2' W	CL	10	065	7	<1	090	2	3.0	1009.9	5.4	4.8
10	54°30.8' N 162°29.1' W	CL	10	062	8	<1	090	2	3.2	1010.0	6.2	5.0
11	54°39.8' N 162°48.1' W	CL	10	064	11	<1	/	/	3.2	1010.2	6.9	5.5
12	54°46.1' N 162°01.3' W	CL	10	079	9	<1	/	/	3.6	1010.2	7.9	6.0
13	54°46.1' N 162°06.5' W	CL	10	080	7	<1	/	/	3.1	1010.2	4.1	3.9
14	54°37.4' N 162°38.3' W	CL	10	057	11	<1	/	/	3.4	1010.2	4.1	3.9
15	54°32.6' N 162°19.6' W	CL	10	075	10	<1	/	/	3.3	1010.7	5.6	4.9
16	54°36.4' N 161°56.8' W	PC	10	075	12	1-2	180	1-2	3.6	1010.9	6.0	5.0
17	54°40.1' N 161°30.3' W	PC	10	080	12	1-2	160	1-2	3.5	1011.0	6.9	5.5
18	54°48.2' N 161°42.5' W	PC	10	060	12	1-2	090	2-3	3.8	1011.0	7.9	6.0
19	54°55.3' N 161°30.8' W	PC	10	058	10	1-2	120	2-3	4.5	1011.5	6.7	5.5
20	55°03.1' N 161°17.5' W	PC	10	77	6	1-2	170	2-3	4.3	1011.5	7.1	6.2
21	55°09.7' N 161°07.5' W	PC	10	49	4	<1	170	1	4.1	1011.5	7.1	6.2
22	54°58.9' N 160°54.7' W	PC	10	74	12	1-2	170	1	4.6	1011.5	6.7	5.0
23	54°58.8' N 160°52.4' W	PC	10	81	12	1-2	170	1	4.4	1011.5	5.0	4.0
24	54°49.3' N 160°50.3' W	PC	10	78	12	1-2	170	1	4.3	1011.4	5.0	4.0
REMARKS												

## DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP <b>MILLER FREEMAN</b>	DAY <b>SUN</b>	DATE <b>3RD 22 May 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	54°50.0'N 160°49.0'W	PC	10	050	10	1-2	170	1	4.3	1011.4	5.0	4.1
02	54°55.8'N 160°59.0'W	PC	10	069	10	1-2	/	/	4.8	1011.4	5.0	4.1
03	54°41.4'N 160°36.9'W	PC	40	070	11	1-2	/	/	4.7	1011.3	5.2	4.0
04	54°49.1'N 160°25.2'W	CL	10	038	10	1-2	N/A	2-3	4.7	1011.0	5.0	4.0
05	54°39.4'N 160°23.8'W	CL/R	8	035	18	3-4	170	3-4	4.7	1011.1	5.0	4.2
06	54°37.8'N 160°17.9'W	CL	10	025	20	3-4	050	3-5	4.6	1010.5	5.0	4.1
07	54°49.1'N 159°59.2'W	CL	10	030	19	3-4	090	3-5	4.8	1010.6	5.0	4.2
08	54°43.5'N 159°47.3'W	CL/R	10	071	10	2-3	120	4-6	4.0	1010.7	7.8	7.6
09	54°38.4'N 159°34.1'W	CL	10	054	16	1-2	120	4-6	4.6	1010.7	4.8	4.6
10	54°35.7'N 159°31.4'W	CL	10	064	15	1-2	120	4-6	4.2	1010.8	6.1	5.5
11	54°48.1'N 159°15.8'W	CL	10	60	7	1	120	2-3	4.2	1011.2	6.7	5.6
12	54°50.2'N 159°05.5'W	CL	10	50	10	1	120	2-3	4.1	1011.1	6.9	5.2
13	54°55.5'N 158°58.6'W	CL	10	51	6	1	180	2-3	5.0	1011.1	7.1	5.3
14	55°02.0'N 158°31.1'W	CL	10	44	8	1	170	2-3	4.8	1011.1	7.3	5.2
15	55°08.2'N 158°12.1'W	CL	10	22	9	1	150	2-3	5.0	1011	5.7	5.0
16	55°14.5'N 157°52.5'W	PC	10	022	12	1-2	100	3-4	5.8	1011.0	5.9	4.8
17	55°20.3'N 157°35.3'W	PC	10	350	7	1-2	150	3-4	5.8	1010.8	5.9	4.8
18	55°27.1'N 157°15.6'W	PC	10	345	8	2-3	155	3-4	5.8	1010.2	5.9	4.5
19	55°33.0'N 156°57.6'W	C	10	290	12	1-2	155	3-5	5.5	1009.5	6.0	5.0
20	55°39.0'N 156°37.5'W	C	10	294	15	1-2	160	3-5	6.6	1009.1	7.2	5.4
21	55°45.7'N 156°17.1'W	PC 2/8	10	272	16	4	130	3-5	5.5	1007.9	7.8	5.9
22	55°50.9'N 156°01.5'W	PC 3/8	10	272	16	4	125	3-5	4.9	1007.5	6.9	5.0
23	55°56.3'N 155°53.8'W	PC 4/8	10	282	18	4	125	3-5	4.6	1007.2	6.2	5.0
24	56°01.2'N 155°47.2'W	PC	10	297	16	4	130	3-5	4.4	1006.7	6.1	5.1

REMARKS

## DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP	DAY	DATE	TIME ZONE
MILLER FREEMAN	MONDAY	4 <sup>th</sup> 28 MAY 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°05.4'N 154°08.8'W		10	311	16	/	/	/	1005.1	6.9	6.8	5.2
02	56°09.2'N 154°16.0'W		10	324	20	/	/	/	1006	6.6	6.6	5.2
03	56°13.3'N 154°12.4'W		10	312	20	/	/	/	1005	6.9	6.5	5.5
04	56°17.1'N 153°51.3'W	PC	10	310	15	2-3	N/A	3-5	1003.9	6.2	6.5	5.5
05	56°20.6'N 153°30.3'W	PC	10	310	20	2-3	300	3-5	1002.0	6.3	6.1	5.2
06	56°26.0'N 153°14.9'W	PC	10	305	25	4-5	N/A	3-5	1001.1	6.1	6.0	5.0
07	56°26.4'N 153°13.9'W	PC	10	305	22	4-5	290	3-5	1001.5	6.1	6.8	5.8
08	56°26.4'N 153°11.6'W	PC	10	302	23	4-5			6.1 1001.5	1001.5	4.9	7.5
09	56°25.4'N 153°08.8'W	PC (3/8)	10	300	28	5-7	/	/	6.2	1001.2	6.3	5.8
10	56°24.7'N 153°7.1'W	PC (3/8)	10	285	23	5-7	/	/	6.1	1001.9	6.2	5.8
11	56°31.7'N 152°59.3'W	PC (3/8)	10	281	26	5-7	/	/	6.4	1000.5	6.7	5.4
12	56°43.3'N 152°47.9'W	PC	10	284	14	5-7	/	/	6.3	1000.6	7.3	5.9
13	56°53.4'N 152°58.7'W	PC	10	280	14	5-7	/	/	6.6	1000.7	7.0	5.8
14	57°02.6'N 152°08.2'W	PC	10	342	10	4-5	/	/	7.2	1000.5	7.4	5.5
15	57°14.4'N 152°18.8'W	PC	10	28	15	4-5	/	/	8.7 1001.1	1001.1	8.9	7.1
16	57°24.4'N 152°09.5'W	CL	10	355	19	4-5	010	4-5	5.9	1001.9	7.9	6.7
17	57°36.1'N 152°05.3'W	CL	10	002	19	4-5	020	5-8	5.7	1012.1	9.1	7.0
18	57°43.2'N 152°12.4'W	CL	10	105	15	2-3	060	4-5	5.7	1003.1	10.9	8.0
19	57°43.7'N			340	7							
20												
21	57°43.7'N 152°30.9'W	CL	10	340	7	/	/	/	NO DATA	1004.2	8.2	5.9
22	56°40.3'N 152°19.4'W	CL	10			/	/	/		1008.1	7.9	5.5
23												
24												

REMARKS

## DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP

MILLER FREEMAN

DAY

TUESDAY

DATE

MAY, 25,  
1999

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												
02												
03												
04												
05												
06												
07												
08												
09												
10												
11												
12												
13												
14												
15												
16												
17	57°39.4'N 152°03.3'W	PC	10	125	08	0-1	095	3-5	6.6	1008.1	8.9	6.9
18	57°29.2'N 152°07.2'W	PC	10	155	04	0	150	3-4	6.1	1007.4	7.9	6.2
19	57°18.9'N 152°16.4'W	PC	10	145	04	0	210	2-3	6.3	1007.4	8.0	6.2
20	57°12.1'N 152°32.2'W	PC	10	196	04	0	210	3-4	7.4	1008.2	8.7	6.9
21	57°03.1'N 152°50.8'W	PC	10	252	04	0	210	3-4	7.5	1008.2	9.4	7.2
22	56°55.4'N 153°09.8'W	PC	10	/	/	0	NO SWELL		6.7	1008.1	9.4	7.1
23	56°49.0'N 153°23.9'W	PC	10	280	04	1-2	165	3-4	7.2	1008.0	9.4	7.3
24	56°40.3'N 153°14.4'W	PC	10	15	309	/	/	/	6.6	1008.	7.9	5.5

REMARKS

## DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP <b>MILLER FREEMAN</b>	DAY <b>Wed</b>	DATE <b>May 26 1999</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°38.2'N 154°02.3'W	CL	10	305	19	3-4	/	/	5.8	1008.1	7.0	4.8
02	56°41.3'N 154°14.4'W	CL	10	322	23	/	/	/	5.6	1008.9	5.5	4.1
03	56°43.8'N 154°22.3'W	PC	10	354	18	/	/	/	5.7	1009.7	5.1	3.7
04	56°44.8'N 154°51.6'W	PC	10	338	20	3-4	4-5	4-5	6.0	1009.8	4.8	3.0
05	56°45.6'N 155°01.1'W	PC	10	345	20	3-5	315	3-5	5.1	1010.0	3.9	2.1
06	56°46.6'N 155°26.7'W	PC	10	345	26	4-6	320	3-5	5.2	1010.0	3.9	2.0
07	56°53.0'N 155°38.6'W	PC	10	350	22	5	320	3-5	5.4	1010.0	4.0	2.2
08	56°58.8'N 155°49.5'W	PC	10	357	22	5	357	3-5	5.2	1010.0	4.0	2.4
09	57°2.9'N 155°57.4'W	PC	10	348	22	5	350	3-5	5.4	1010.0	4.2	3.4
10	57°3.6'N 156°11.8'W	PC	10	330	4	3-4	/	/	6.2	1010.0	5.4	4.4
11	56°59.8'N 156°17.4'W	PC	10	096	7	1-2	/	/	6.4	1010.0	6.8	4.6
12	56°52.2'N 156°02.8'W	PC	10	153	5	2-3	340	3-5	6.9	1010.0	9.1	5.9
13	56°45.7'N 155°51.1'W	PC	10	30	6	2-3	330	3-5	6.2	1010.1	4.9	3.1
14	56°40.2'N 155°40.2'W	PC	10	18	4	2-3	335	3-5	5.6	1010.1	5.2	3.2
15	56°37.8'N 155°44.4'W	PC	10	250	8	2-3	335	3-5	6.0	1010.2	8.8	5.1
16	56°37.6'N 156°01.6'W	PC	10	255	12	4-3	N/A	3-5	5.9	1010.1	5.1	3.0
17	56°42.9'N 156°12.2'W	PC	10	79	8	2-3	50	3-5	5.8	1010.1	7.9	4.9
18	56°49.7'N 156°24.9'W	PC	10	080	04	1-2	N/A	3-4	6.7	1010.1	6.2	4.9
19	56°49.6'N 156°35.4'W	C	10	210	06	0-1	270	3	6.1	1010.0	9.0	9.0
20	56°44.9'N 156°43.4'W	C	10	310	11	0-1	270	3	6.3	1010.0	9.0	6.5
21	56°37.8'N 156°30.1'W	C	10	290	17	0-1	—	—	5.5	1010.0	7.3	4.8
22	56°31.6'N 156°16.7'W	PC	10	290	20	3-4	/	/	5.6	1010.1	6.8	4.4
23	56°24.7'N 156°03.4'W	PC	10	294	19	4-5	—	—	5.7	1010.5	5.8	4.0
24	56°21.8'N 156°08.3'W	PC	10	300	15	4-5	—	—	6.8	1010.2	5.8	3.7

REMARKS

## DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP <b>MILLER FREEMAN</b>	DAY <b>THURS</b>	DATE <b>MAY 27 1999</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°15.2'N 156°11.9'W	PC	10	290	16	2-3	170	3-4	5.0	1010.2	4.9	3.1
02	56°10.6'N 156°07.7'W	PC	10	309	15	2-3	130	3-4	5.1	1011.1	4.9	2.9
03	56°03.7'N 156°16.3'W	PC	10	318	16	2-3	/	/	5.7	1011.2	3.9	2.1
04	56°10.1'N 156°28.5'W	PC	10	308	18	3-4	N/A	2-3	5.3	1011.1	3.2	1.9
05	56°15.6'N 156°39.0'W	PC	10	315	19	3-5	295	3	5.2	1011.1	3.0	1.5
06	56°20.9'N 156°34.8'W	CL	10	315	20	3-5	/	/	4.9	1011.1	2.1	1.0
07	56°26.8'N 156°34.4'W	PC	10	320	19	3-5	/	/	5.1	1011.1	2.2	0.9
08	56°30.5'N 156°44.5'W	PC	10	312	21	3-5	/	/	4.7	1011.7	4.6	2.4
09	56°26.0'N 156°49.8'W	PC	10	315	19	3-5	/	/	4.3	1012.0	3.1	1.0
10	56°28'N 157°2.8'W	PC	10	317	20	3-5	/	/	4.3	1012.1	2.9	.9
11	56°31.8'N 156°55.5'W	PC	10	325	21	3-5	/	/	5.2	1012.0	1.8	0
12	56°23.7'N 156°44.3'W	PC	10	318	11	3-5	/	/	4.6	1012.3	3.0	4.9
13	56°19.0'N 156°43.0'W	PC	10	289	5	3-5	/	/	4.5	1012.2	3.2	2.9
14	56°10.8'N 156°34.2'W	PC	10	290	9	3-5	/	/	5.4	1013.0	3.2	4.9
15	56°14.3'N 156°36.6'W	PC	10	274	9	2-4	/	/	5.5	1013.0	3.4	5.0
16	56°16.9'N 156°40.8'W	CL	10	282	6	2-4	295	/	5.5	1013.9	3.1	1.4
17	56°18.7'N 156°44.8'W	CL	10	222	6	2-4	295	/	5.2	1013.9	5.0	3.0
18	56°18.4'N 156°38.2'W	CL	10	165	08	0-1	285	1-2	5.6	1013.6	5.8	3.1
19	56°14.6'N 156°38.3'W	CL	10	165	05	0-1	280	1-2	5.7	1013.8	6.1	3.9
20	56°16.9'N 156°48.2'W	CL (7/8)	10	207	10	1-2	/	/	5.2	1013.9	4.8	3.0
21	56°12.6'N 156°38.9'W	CL (7/8)	10	245	06	0-1	/	/	5.7	1014.1	6.9	4.1
22	56°18.0'N 156°28.1'W	CL	10	255	06	0-2	195	3-5	5.6	1014.2	5.3	3.9
23	56°8.4'N 156°23.5'W	CL	10	251	10	0-1	/	/	5.6	1014.5	6.1	3.9
24	56°04.4'N 156°31.2'W	CL	10	289	3	0-1	/	/	5.3	1014.9	5.3	3.8

REMARKS

## DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP <b>MILLER FREEMAN</b>	DAY <b>FRI</b>	DATE <b>May 28<sup>th</sup> 1999</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°12.0'N 156°25.2'W	PC	10	205	4	0-1	/	/	5.3	1015.0	6.1	4.7
02	56°12.2'N 156°21.8'W	PC	10	221	11	0-1	/	/	5.6	1014.9	6.5	4.2
03	56°13.3'N 156°27.6'W	PC	10	230	10	0-1	/	/	5.4	1014.9	5.6	4.1
04	56°05.6'N 156°017.9'W	CL	10	180	10	1-2	N/A	2-3	5.5	1015.0	6.2	4.2
05	56°03.6'N 156°009.5'W	CL	10	186	08	1-2	260	2-3	5.8	1015.0	6.8	5.0
06	56°07.2'N 155°552.6'W	CL	10	115	10	0-1	235	2	5.0	1015.0	6.5	4.9
07	56°10.5'N 155°37.3'W	CL	10	200	09	0-1	235	2	5.7	1015.1	6.6	5.1
08	56°15.4'N 155°46.1'W	CL	10	171	09	0-1	200	2	5.7	1015.6	5.3	4.0
09	56°27.9'N 156°1.9'W	CL	10	150	10	0-1	200	2	5.8	1015.5	5.9	4.4
10	56°25.0'N 156°2.8'W	CL	10	141	12	0-1	200	2	5.7	1015.5	7.1	5.1
11	56°31.8'N 156°16.6'W	CL	10	140	14	1	200	2	5.8	1015.1	7.0	5.2
12	56°35.9'N 156°25.2'W	CL	10	130	16	1	210	2	5.7	1015.1	9.1	6.9
13	56°40.7'N 156°22.8'W	CL	10	122	14	2	/	/	5.8	1014.3	9.2	6.9
14	56°48.0'N 156°08.1'W	CL	10	138	18	2-3	/	/	5.6	1014.3	9.2	6.9
15	56°56.4'N 155°53.2'W	CL	10	133	18	2-3	/	/	5.4	1014.2	10.1	7.2
16	57°05.6'N 155°25.9'W	CL	10	120	15	3-4	140	2-3	5.5	1014.1	9.2	6.8
17	57°11.4'N 155°25.0'W	CL	10	129	16	3-4	140	3-5	5.6	1013.8	6.2	5.1
18	57°19.4'N 155°09.2'W	CL	10	105	18	3-4	140	3-4	5.7	1013.6	8.8	5.9
19	57°26.9'N 154°54.6'W	CL	10	098	19	3-4	160	3-4	5.7	1013.2	8.6	5.0
20	57°34.2'N 154°42.2'W	CL/R	10	091	17	2-3	55	2-3	6.1	1012.5	7.8	5.4
21	57°40.3'N 154°26.8'W	CL/R	10	078	16	3-4	/	/	6.4	1012.1	5.3	4.2
22	57°41.1'N 154°5.6'W	CL/R	10	060	19	3-4	/	/	6.3	1011.3	5.0	4.0
23	57°45.0'N 153°56.8'W	CL/R	10	—	00	<1	/	/	6.4	1009.4	7.0	5.6
24	57°38.2'N 153°52.2'W	CL	10	32	91	4+	/	/	6.9	1008.1	6.9	5.1

REMARKS



## DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP <b>MILLER FREEMAN</b>	DAY <b>SAT</b> <del>29TH</del>	DATE <b>May</b> <b>29TH 1999</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	57°42.3'N 154°13.7'W	CL	10	90	23	5-6	/	/	6.1	1008.3	7.1	5.6
02	57°44.6'N 154°02.5'W	CL	10	64	36	5-6	/	/	6.0	1006.7	5.5	5.0
03	57°40.9'N 154°48.1'W	CL	10	68	33	5-8	50	10-12	5.8	1004.0	5.1	4.1
04	57°29.7'N 154°00.8'W	CL	10	050	32	5-7	050	10-12	5.2	1002.5	5.5	4.0
05	57°18.6'N 154°52.4'W	CL	10	035	17	3-4	350	5	5.2	1000.0	6.0	4.2
06	57°14.6'N 154°39.6'W	CL	10	035	09	2-3	N/A	3-4	5.4	998.8	5.9	5.0
07	57°14.6'N 154°39.1'W	CL	10	020	04	0	175	2-3	5.4	997.5	6.8	6.0
08	57°15.4'N 154°44.2'W	CL/R	10	251	03	0	210	1-2	4.6	997.5	5.4	5.3
09	5	CL	06	032	11	6-10	/	/		997.5	6.4	6.4
10	57°08.6'N 155°12.8'W	CL	06	061	7.7	1-2	210	10-12	6.4	997.5	6.1	2.7
11	57°10.3'N 155°16.1'W	CL	06	045	16	1-2	020	20	5.7	997.5	6.5	5.0
12	57°20.5'N 155°24.6'W	CL	05	072	29	1-2	050	15-20	5.6	997.8	5.9	5.0
13	57°29.6'N 155°34.8'W	CL	04	077	35	1-2	060	10-15	5.5	998.1	5.3	4.8
14	57°30.5'N 155°34.1'W	CL	04	078	30	1-2	060	10-15	5.4	998.3	5.3	5.0
15	57°32.6'N 155°32.0'W	CL	04	088	27	1-2	060	8-12	4.9	998.9	5.9	5.0
16	57°35.9'N 155°30.6'W	CL/R	3	085	26	4-6	070	6-8	5.4	999.1	6.1	5.8
17	57°38.6'N 155°28.8'W	CL/R	3	091	28	3-5	070	6-8	5.3	999.1	6.3	5.9
18	57°43.6'N 155°26.9'W	CL/R	6	085	24	3-4	140	2	5.3	999.5	6.9	5.9
19	57°43.9'N 155°25.7'W	CL/R	7	110	26	0-1	110	2-3	5.6	1000.5	6.1	5.9
20	57°43.9'N 155°25.7'W	CL/R	3	110	20	0-1	150	2-3	5.8	1000.2	5.9	5.2
21	57°43.9'N 155°25.7'W	CL	2	100	19	0-1	160	2	5.8	1000.2	5.7	5.3
22	ANCHORED / GETTING UNDERWAY											
23	57°35.4'N 155°24.10'W	CL/R	1	116	23	0-1	160	4-5	/	999.0	5.3	5.0
24	57°28.7'N 155°27.3'W	CL/R	2	120	21	1-2	160	4-5	5.0	998.3	5.4	5.1

REMARKS

## DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP

MILLER FREEMAN

DAY

SAT

DATE

May  
29th 1999

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°21.5'N 155°27.0'W	CL/R	1	182	12	2-3	170	5-6	5.1	998.0	5.3	5.1
02	57°14.7'N 155°28.8'W	CL/R	1	254	09	2-3	170	5-6	5.1	997.9	6.1	6.0
03	57°21.5'N 155°38.9'W	CL/R	1	308	17	2-3	160	5-6	5.2	998.8	5.0	4.5
04	57°21.0'N 155°48.6'W	CL/R	6	285	32	4-6	160	4-6	5.4	999.1	4.9	3.9
05	57°21.2'N 156°05.0'W	CL	5	270	27	3-5	185	3-5	5.2	1000.9	3.8	2.4
06	57°13.9'N 156°53.4'W	CL	8	300	25	4-6	MIX	4-6	5.4	1002.1	4.9	3.2
07	57°09.8'N 155°45.4'W	CL	10	290	25	4-6	160	4-6	5.2	1003.5	5.0	3.9
08	57° 5.6'N 155° 37.6'W	CL	10	252	22	4-6	235	6-10	5.4	1004.8	5.9	4.8
09	56° 58.1'N 155° 22.9'W	CL	10	248	24	4-6	235	6-10	5.6	1005.6	6.0	4.9
10	56° 55.9'N 155° 17.7'W	CL	10	270	33	6-10	250	10-12	5.4	1007.8	7.3	5.2
11	56° 47.0'N 155° 12.2'W	PC	10	277	33	10-12	290	10-12	4.9	1010.0	4.9	4.0
12	56° 47.5'N 155° 01.8'W	PC	10	280	36	5-6	280	8-10	5.5	1010.0	4.9	3.9
13	56° 53.6'N 155° 13.1'W	PC	10	280	33	5-6	270	8-10	5.4	1012.1	5.1	4.0
14	57° 04.3'N 154° 54.6'W	PC	10	280	29	5-6	280	8-10	5.3	1013.3	4.9	3.2
15	57° 04.3'N 154° 54.6'W	PC	10	286	30	5-6	280	6-8	5.5	1013.8	4.8	3.1
16	57° 08.8'N 154° 49.9'W	PC	10	275	38	6-8	280	8-10	5.6	1013.8	5.5	4.0
17	57° 14.5'N 154° 59.6'W	PC	10	275	30	6-8	280	8-10	5.3	1016.1	5.4	4.2
18	57° 16.3'N 155° 06.3'W	PC	10	275	32	6-8	280	8-10	5.3	1016.9	5.1	3.5
19	57° 20.5'N 155° 19.4'W	PC <sup>3/8</sup>	10	272	32	5-7	270	5-7	5.3	1017.8	5.1	3.1
20	57° 22.0'N 155° 14.0'W	PC	10	281	31	8-10	240	8-10	4.9	1019.3	6.7	3.8
21	57° 20.0'N 155° 32.2'W	PC	10	270	26	8-10	240	8-11	5.4	1020.1	6.9	4.0
22	57° 30.0'N 155° 30.0'W	PC	10	300	24	8-10	240	8-10	5.4	1020.1	6.5	4.0
23	57° 17.7'N 155° 54.7'W	PC	10	306	29	7-9	240	7-9	5.2	1022.3	3.7	2.6
24	57° 17.9'N 156° 00.1'W	PC	10	307	33	7-9	240	7-9	5.2	1023.0	3.2	2.0

REMARKS

## DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP	DAY	DATE	TIME ZONE
MILLER FREEMAN	MONDAY	31 MAY 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°18.0'N 156°00.3'W	PC	10	300	33	7-9	240	7-9	5.2	1023.0	3.2	2.0
02	57°18.3'N 156°00.1'W	PC	10	313	28	7-9	230	5-6	5.2	1024.8	2.5	1.6
03	57°23.0'N 155°54.2'W	PC	10	297	28	7-9	270	5-6	5.1	1023.6	2.3	1.1
04	57°27.2'N 155°59.0'W	PC	10	300	09	2-3	N/A	N/A	5.3	1023.7	3.9	1.2
05	57°23.9'N 156°06.9'W	PC	10	325	26	3	175	3	5.2	1024.1	3.0	2.0
06	57°23.6'N 156°08.4'W	PC	10	320	15	2-3	N/A	N/A	5.2	1024.9	3.0	1.8
07	57°23.8'N 156°07.3'W	PC	10	328	17	2-3	170	2-3	5.3	1024.8	4.5	2.8
08	57°23.5'N 156°00.5'W	PC	10	310	18-20	1-2	—	1-2	5.1	1025.1	3.8	2.0
09	57°23.5'N 156°00.5'W	PC	10	310	20	1-2	—	—	5.2	1025.1	3.8	2.1
10	57°40.0'N 155°54.0'W	PC	10	312	19	1-2	—	—	5.4	1025.5	3.8	2.0
11	57°32.6'N 155°44.1'W	PC	10	310	20	1-2	—	—	5.5	1024.4	4.2	2.0
12	57°42.1'N 155°31.1'W	PC	10	291	13	1-2	—	—	5.5	1024.1	6.1	4.0
13	57°37.5'N 155°26.6'W	PC	10	304	10	1-2	—	—	5.4	1024.0	6.9	4.2
14	57°29.6'N 155°01.1'W	PC	10	226	13	1-2	310	2-3	5.5	1023.6	6.8	4.8
15	57°30.2'N 154°59.7'W	PC	10	217	11	1-2	300	2-3	5.5	1023.6	6.2	4.9
16	57°36.1'N 154°48.2'W	PC	10	215	17	1-2	220	—	5.6	1023.9	5.9	5.0
17	57°34.9'N 154°29.8'W	PC	10	229	22	3-4	N/A	N/A	6.0	1023.3	10.0	7.1
18	57°41.2'N 154°09.0'W	CL	10	265	22	3-4	N/A	N/A	5.5	1021.8	8.5	6.0
19	57°35.4'N 153°55.9'W	CL	10	355	10	0-1	—	—	7.3	1021.1	8.0	6.0
20	57°33.0'N 153°54.5'W	CL	10	354	16	1-2	—	—	7.1	1021.0	7.9	5.5
21	57°33.4'N 153°55.4'W	CL	10	270	18	1-2	—	—	7.1	1020.8	7.3	5.0
22	57°33.7'N 153°57.4'W	CL	10	242	20	<1	—	—	6.0	1020.6	7.2	4.5
23	57°35.7'N 153°58.7'W	CL	10	—	0	<1	—	—	6.9	1020.6	8.1	6.8
24	57°39.9'N 153°52.4'W	CL	10	348	5	<1	—	—	7.3	1020.6	7.3	6.0

REMARKS

**DECK LOG – WEATHER OBSERVATION SHEET**

NOAA SHIP	DAY	DATE	TIME ZONE
MILLER FREEMAN	THURS	31 Jan 1994	+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°42.5'N 154°04.5'W	PC	10	272	8	1-2	/	/	5.3	1020.0	6.4	4.6
02	57°42.7'N 154°06.0'W	PC	10	268	10	1-2	/	/	5.3	1020.0	6.3	4.5
03	57°44.7'N 154°20.5'W	PC	10	240	13	1-2	/	/	5.4	1018.4	5.6	4.9
04	57°46.3'N 154°46.1'W	CL/R	10	225	10	1-2	280	3-4	5.8	1018.0	5.2	4.9
05	57°43.2'N 155°01.1'W	CL/R	10	180	04	0-1	230	3	6.0	1016.9	5.0	4.9
06	57°47.4'N 154°54.4'W	CL	105	205	08	0-1	230	3-4	5.7	1016.1	6.8	6.0
07	57°52.8'N 154°44.6'W	CL	5	210	06	1-2	230	2-3	5.9	1016.0	7.2	6.2
08	57°57.8'N 154°35.6'W	CL	5	265	07	1-2	175	2-3	5.8	1015.0	6.3	5.8
09	58°02.9'N 154°19.6'W	CL/R	5	223	04	<1	300	2-3	6.1	1014.1	6.1	5.2
10	57°56.1'N 154°13.5'W	CL/R	9	249	04	<1	310	1	6.1	1014.1	5.8	4.9
11	57°56.0'N 154°03.1'W	CL/R	9	269	06	<1	265	1-2	5.9	1013.5	6.3	5.4
12	57°53.2'N 153°53.3'W	CL	6	272	01	<1	/	1-2	5.8	1013.1	6.3	5.7
13	58°01.8'N 153°49.7'W	CL	6	160	1.5	<1	/	/	5.6	1011.6	6.2	5.7
14	58°05.8'N 153°56.9'W	CL	10	164	4	<1	/	/	5.7	1011.0	5.4	5.2
15	58°12.9'N 153°03.4'W	CL	10	187	12	<1	/	/	6.3	1010.4	6.9	6.2
16	58°20.2'N 153°53.1'W	CL	10	185	12	1-2	N/A	N/A	6.1	1010.1	8.2	7.5
17	58°26.7'N 153°43.4'W	CL	10	142	11	1-2	240	2	6.0	1010.0	6.8	5.8
18	57°29.6'N 153°51.2'W	CL	10	148	12	1-2	243	0	6.1	1009.8	6.8	5.7
19	58°29.2'N 153°53.4'W	CL	10	167	14	1-2	200	0	6.2	1008.9	7.0	6.3
20	58°30.2'N 153°45.6'W	CL	10	154	15	1-2	No Swell		6.2	1008.7	8.1	6.9
21	58°32.1'N 153°27.8'W	CL	05	167	12	1-2	240	1	6.0	1008.9	8.2	6.9
22	58°34.7'N 153°40.1'W	CL	05	187	05	1-2	260	1	6.0	1009.1	6.0	5.8
23	58°38.4'N 152°57.4'W	CL	04	175	02	1	65	02	5.9	1009.3	6.1	5.9
24	58°47.4'N 152°41.9'W	CL	06	133	16	1-2	65	02	5.9	1008.9	7.8	6.4

REMARKS

## DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP

MILLER FREEMAN

DAY

Wed  
Fri

DATE

2 Jun 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	58°47.4'N 151°21.0'W	PC	8	133	16	1-2	70	2-3	5.9	1008.0	7.3	6.2
02	58°44.3'N 151°11.8'W	PC	8	130	16	1-2	70	2-3	5.9	1008.0	7.3	6.2
03	58°42.0'N 151°05.8'W	PC	8	130	9	1-2	70	2-3	5.9	1008.0	7.1	6.0
04	58°29.4'N 151°05.7'W	CL/F	2	130	07	1-2	140	2-3	6.4	1008.1	7.0	6.2
05	58°18.7'N 151°05.2'W	CL/F	2	Light	Airs	0-1	N/A	N/A	5.7	1007.9	6.8	6.0
06												
07												
08												
09												
10												
11												
12												
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REMARKS