

MFO211

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP

DAY

DATE

TIME ZONE

MILLER FREEMAN R 223

WEA

25 SEP 02

+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	57° 43.24' N 151° 17.35' W	PC	10	180	14	2-4			10.1	1014.1	11.2	9.1
14	57° 42.5' N 151° 11.0' W	PC	10	170	17	2-4			9.8	1014.3	13.0	11.1
15	57° 38.2' N 151° 54.2' W	PC	10	180	10	4	160	4-8	9.8	1014.3	12.7	11.0
16	57° 27.6' N 151° 39.4' W	CI	10	127	07	<1	167	6-8	9.5	1013.9	12.0	10.2
17	57° 27.0' N 151° 39.9' W	CL	8	110	12	1-4	170	6-8	9.5	1012.8	10.3	9.7
18	57° 30.5' N 151° 26.7' W	L	3	085	14	1-2	185	6-8	9.6	1011.9	10.2	9.7
19	57° 30.5' N 151° 26.5' W	L	2	096	18	2	170	7	9.6	1010.5	10.1	10.0
20	57° 33.3' N 151° 26.5' W	L	<1	090	16	2			9.6	1009.5	11.0	10.7
21	57° 42.0' N 151° 21.2' W	ER	<1	090	16	2-3			9.5	1009.1	12.0	11.5
22	57° 52.0' N 151° 16.5' W	R	<1	090	16	2-3			9.6	1009.0	12.0	11.0
23	58° 2.7' N 151° 11.8' W	R	2-3	090	16	2-3			9.7	1009.0	12.1	11.9
24	58° 04.1' N 151° 10.6' W	R	2-3	122	16	3	170	6	9.4	1008.3	11.1	11.3

REMARKS

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP	DAY	DATE	TIME ZONE
MILLER FREEMAN	Wed	26 Sep 02	+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° 29.3' N 150° 01.4' W	F	4	120	17	5	170	4	9.1	1008.2	11.5	11.4
02	58° 36.6' N 150° 56.4' W	CL	3-4	085	12	5	170	5-6	9.8	1008.0	11.9	11.1
03	58° 36.6' N 150° 52.6' W	R	3	075	14	4-5	170	6	9.6	1008.9	10.8	10.2
04	58° 52.9' N 150° 54.7' W	R	3	058	17	4	150	6	9.6	1008.0	10.4	10.4
05	59° 38.73' N 150° 32.32' W	R	3	044	28	4-6	150	6-9	10.5	1008.9	10.4	10.1
06	59° 05.41' N 150° 59.3' W	R	3	070	38	6	150	10	10.8	1006.2	11.6	11.1
07	59° 06.8' N 150° 55.4' W	R	3	048	34	6-8	—	—	11.0	1006.8	11.0	10.0
08	59° 06.2' N 150° 00' W	R	2	050	32	5-10	—	—	11.3	1008.9	10.5	10.0
09	59° 06.0' N 151° 00' W	R	3	060	20	6-8	—	—	11.2	1005.9	11.0	10.9
10	59° 04' N 151° 00' W	R	3	055	24	6-8	—	—	11.6	1005.4	11.1	10.9
11	59° 06.2' N 151° 00' W	R	3	065	7	4-6	—	—	11.6	1006.0	11.9	11.5
12	59° 56.0' N 150° 59.0' W	CL	12	270	13	2-3	040	6-8	10.9	1006.2	12.9	10.9
13		CL			0PS							
14	59° 57.2' N 150° 56.9' W	CL	12	280	14	3	070	5-6	10.8	1006.9	14.0	12.9
15	59° 58.9' N 150° 50.2' W	C		200	16	3-4	170	5-6	10.9	1006.7	14.2	12.2
16	58° 58.4' N 150° 56.3' W	C	10	196	14	1-3	165	6-7	10.6	1006.5	14.0	12.0
17	58° 57.1' N 150° 57.4' W	PC	10	194	14	1-3	166	5-7	10.7	1005.9	13.1	11.2
18	58° 47.3' N 150° 52.6' W	C	10	090	15	4-5	175	8-10	10.9	1005.4	13.0	10.5
19	58° 45.0' N 150° 52.3' W	C	10	230	20	4	210	8-10	9.1	1006.2	11.0	9.8
20	58° 45.0' N 150° 51.6' W	C	10	220	16	2-3	210	6-8	9.6	1006.5	11.2	10.0
21	58° 45.4' N 150° 51.9' W	C	10	220	18	2-3	210	6-8	9.7	1007.2	11.1	10.0
22	58° 52.1' N 150° 55.3' W	C	12	220	18	2-3	210	5-7	9.6	1007.5	11.1	10.0
23	58° 53.3' N 150° 12.4' W	C	12	220	18	2	210	5-7	10.9	1008.0	11.1	10.0
24	59° 06.4' N 150° 06.0' W	C	12	209	16	2	210	7	10.9	1008.1	10.5	9.5

REMARKS

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP	DAY	DATE	TIME ZONE
MILLER FREEMAN	FRIDAY	27-SEP-02	+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	59° 06.5' N 150° 44.5' W	C	12	230	23	6	210	8	10.9	1008.0	10.1	9.8
02	59° 07.2' N 150° 06.1' W	PC	12	210	22	5-6	220	6	11.3	1008.1	10.7	9.4
03	59° 07.5' N 150° 07.3' W	PC	12	230	16	4-5	220	5-6	11.4	1007.9	11.2	10.0
04	59° 06.02' N 150° 08.49' W	PC	12	210	18	2-3	295	6	11.1	1007.9	11.2	10.1
05	59° 04.41' N 150° 08.95' W	PC	12	225	18	2-3	195	6	10.9	1007.5	11.9	10.2
06	59° 03.9' N 150° 09.41' W	PC	12	220	16	3	200	6	10.8	1007.6	11.8	10.2
07	59° 06.1' N 150° 08.7' W	PC	10	225	16	3	200	5-6	11.2	1008.0	9.7	9.5
08	59° 6.1' N 150° 6.0' W	PC	10	215	10	3	215	6-8	11.2	1008.0	11.1	10.0
09	59° 5.1' N 150° 6.0' W	PC	10	200	10	2	200	5-7	11.2	1008.1	12.1	10.9
10	59° 6.0' N 150° 5.7' W	PC	12	200	10	2	200	6-8	11.2	1008.0	13.5	12.0
11	59° 7.6' N 149° 42.3' W	PC	12	190	4	2	200	6-8	11.2	1008.2	13.0	11.5
12	59° 04.25' N 149° 22.5' W	PC	12	230	10	2	210	6-8	10.4	1008.1	13.6	13.0
13	59° 04.8' N 149° 06.8' W	PC	12	200	12	3	210	6-8	10.6	1007.9	13.8	12.0
14						0.5						
15	59° 38.3' N 149° 56.2' W	PC	12	225	13	3	210	6	10.8	1007.2	13.1	11.3
16	59° 06.8' N 148° 47.6' W	PC	12	210	18	8-10	220	8-10	11.1	1006.6	12.2	10.3
17	59° 07.8' N 148° 47.1' W	PC	12	255	15	3	215	8-10	11.0	1006.2	11.5	10.2
18	59° 07.4' N 148° 48.4' W	PC	8-10	225	13	3	205	6-8	12.2	1006.0	14.0	12.0
19	59° 02.5' N 148° 41.9' W	PC	10	234	15	3	200	7-8	11.3	1006.0	10.8	9.7
20	59° 5.8' N 148° 43.1' W	CL	10	220	10	3	200	5-7	11.4	1006.0	10.0	8.5
21	59° 7.8' N 148° 46.5' W	CL	10	240	8	3	200	5-7	11.3	1006.1	11.0	9.0
22	59° 7.7' N 148° 47.1' W	CL	10	240	8	3	200	4-6	11.1	1006.1	11.0	9.0
23	59° 8.0' N 148° 47.8' W	CL	10	230	8	3	200	4-6	11.0	1006.0	10.5	9.0
24	59° 03.1' N 148° 40.8' W	CL	10	244	18	3	200	4-6	11.1	1006.0	11.5	10.2

EMARKS

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP		DAY		DATE		TIME ZONE						
MILLER FREEMAN K-223		SATURDAY		28-SEP-02		+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
	58° 07.7' N											
01	58° 07.7' N 147° 01.6' W	PC	10	18	255	2-3	230	4-6	11.0	1007.6	10.2	9.9
02	58° 42.8' N 147° 01.6' W	PD	12	260	10	2-3	230	4-6	10.2	1007.2	10.9	9.8
03	58° 31.5' N 147° 01.3' W	PC	12	270	12	2-3	230	4-5	9.0	1007.1	10.9	9.8
04	58° 24.0' N 147° 01.5' W	C	12	253	10	2	210	5	10.3	1007.6	10.2	8.1
05	58° 16.3' N 147° 02.0' W	C	12	270	14	2	240	5	10.4	1007.9	10.3	9.1
06	58° 16.5' N 147° 03.3' W	C	12	275	18	2	220	5	10.5	1007.9	10.2	9.0
07	58° 16.7' N 147° 04.1' W	C	12	265	14	2	215	5	10.5	1008.0	10.2	9.1
08	58° 15.4' N 147° 40.6' W	PC	12	250	12	2	210	4-6	10.3	1008.1	11.0	10.0
09	58° 15.1' N 147° 44.4' W	PC	12	240	18	2	250	5-7	10.3	1009.1	10.9	9.9
10	58° 14.7' N 147° 46.1' W	PC	12	260	18	2-3	250	5-7	10.4	1009.2	15.0	13.0
11	58° 13.4' N 147° 47.6' W	PC	12	260	18	2-3	250	5-7	10.4	1010.0	15.0	13.0
12	58° 17.5' N 147° 08.2' W	PC	10	260	18	4-6	250	5-7	10.4	1010.5	10.8	9.2
13	58° 14.2' N 147° 18.7' W	PC	12	280	21	6	200	5-7	10.4	1011.0	11.8	11.2
14	58° 14.7' N 147° 39.2' W	PC	12	270	19	6	250	5-7	10.2	1011.2	10.4	11.2
15	58° 14.2' N 147° 30.8' W	PC	12	275	16	6	250	7-10	10.2	1011.3	12.1	11.8
16	58° 14.8' N 147° 33.7' W	PC	12	259	17	4-6	260	7-10	10.2	1011.3	12.1	11.2
17	58° 15.0' N 147° 37.0' W	PC	12	255	17	4-6	265	7-10	10.3	1011.4	12.1	11.2
18	58° 15.2' N 147° 38.6' W	C	12	265	18	4-6	260	7-10	10.4	1011.8	13.0	10.6
19	58° 15.4' N 147° 39.8' W	C	12	260	20	5	255	7-10	10.4	1012.1	11.9	12.7
20	58° 15.4' N 147° 40.1' W	C	12	240	18	4	250	7-10	10.4	1013.5	11.0	10.0
21	58° 15.0' N 147° 40.0' W	C	12	250	18	4	250	7-10	10.4	1014.0	11.0	9.9
22	58° 16.0' N 147° 35.0' W	C	12	260	14	4	250	6-8	10.2	1014.0	10.5	9.5
23	58° 16.8' N 147° 30.8' W	C	12	270	13	3-4	250	6-8	10.3	1014.5	10.5	9.5
24	58° 18.5' N 147° 23.3' W	C	12	280	20	3-4	250	7	10.4	1014.8	10.4	9.8
REMARKS												

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP		DAY		DATE		TIME ZONE						
MILLER FREEMAN		SUNDAY		29 SEPT 02		+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° 18.2' N 147° 24.4' W	C	12	290	22	4-6	250	7	11.1	1015.0	10.4	10.1
02	58° 17.1' N 147° 27.7' W	C	12	270	18	4-6	250	6-7	10.2	1015.5	10.9	9.1
03	58° 16.1' N 147° 31.4' W	C	12	270	15	4-5	250	6-8	10.2	1015.3	10.8	9.1
04	58° 15.25' N 147° 34.23' W	C	10	248	19	4-5	258	6-8	10.3	1015.6	10.9	9.8
05	58° 14.21' N 147° 37.35' W	C	10	242	19	4-5	258	6-8	10.3	1016.1	10.9	10.0
06	58° 13.8' N 147° 40.4' W	C	10	240	18	4	250	6	10.2	1016.8	10.5	9.4
07	58° 14.5' N 147° 43.6' W	PC	10	260	20	4	250	6	10.1	1016.0	10.3	8.9
08	58° 15.3' N 147° 41.4' W	PC	10	240	18	4	260	6	10.1	1017.0	10.0	9.0
09	58° 11.5' N 147° 45.7' W	PC	10	250	14	4	250	6	9.7	1017.0	10.0	9.0
10	58° 13.6' N 147° 43.3' W	PC	10	250	10	4	250	5	9.8	1017.8	10.0	10.0
11	58° 12.6' N 147° 44.5' W	PC	10	250	10	4	250	4-6	9.9	1018.0	18.1	15.5
12	58° 15.2' N 147° 40.7' W	PC	10	250	18	3-4	250	5	9.6	1018.3	13.2	11.2
13	58° 15.4' N 147° 40.8' W	CL	10	260	16	3-4	230	5	9.6	1018.0	11.0	9.8
14	58° 15.1' N 147° 42.1' W	CL	10	240	10	2-3	240	5	9.5	1018.2	12.2	10.4
15						OPS						
16	58° 15.5' N 147° 41.3' W	CL	10	235	11	2	240	6	9.7	1018.0	12.7	11.2
17	58° 14.5' N 147° 42.3' W	CL	10	225	11	1-2	240	3-5	9.4	1018.2	12.3	11.0
18	58° 13.5' N 147° 41.2' W	CL	9	245	11	1-2	245	4-5	9.8	1018.0	11.6	10.1
19	58° 14.6' N 147° 39.1' W	CL	10	245	9	1-2	250	3-5	9.8	1018.0	11.4	10.0
20	58° 14.2' N 147° 39.0' W	CL	10	250	9	1-2	250	3-5	10.2	1018.0	11.1	10.1
21	58° 14.7' N 147° 37.3' W	R	9	210	10	1-2	250	3-5	10.0	1018.0	10.0	9.0
22	58° 14.8' N 147° 34.3' W	R	9	160	8	1-2	250	3-5	9.8	1017.5	10.5	9.0
23	58° 15.2' N 147° 35.9' W	R	9	180	7	1-2	250	3-5	9.6	1017.5	10.2	10.0
24	58° 15.5' N 147° 40.0' W	L	4	220	13	1-2	250	3-4	9.4	1016.9	9.5	9.2
RE MARKS												

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP

MILLER FREEMAN

DAY

MONDAY

DATE

30 SEP 02

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° 15.7' N 147° 40.5' W	L	4	220	10	2-3	250	4	9.6	1016.5	10.2	9.1
02	58° 16.2' N 147° 40.2' W	L	4	190	7	2-3	250	4-5	9.5	1016.2	10.9	10.2
03	58° 20.3' N 147° 52.0' W	L	2-3	205	9	2-3	250	4	9.5	1015.8	9.8	9.6
04	58° 25.8' N 148° 06.0' W	L	3-4	195	9	2	250	4	9.7	1014.8	9.8	9.3
05	58° 32.1' N 148° 25.6' W	L	3-4	180	10	2	250	4	9.7	1014.1	9.5	9.0
06	58° 39.0' N 148° 38.9' W	L	9	190	10	2	250	4	9.9	1013.0	8.9	7.8
07	58° 39.8' N 148° 47.2' W	L	6-8	149	09	2-3	260	4	10.1	1012.0	9.5	8.2
08	58° 41.2' N 148° 51.3' W	L	5	130	08	1-3	250	4	9.8	1011.6	9.0	8.0
09	58° 41.9' N 148° 50.4' W	L	6	100	08	1-2	200	3-4	10.0	1011.0	9.5	8.5
10	58° 41' N 148° 51' W	L	6-7	085	12	2-3	200	3-4	9.8	1010.0	9.0	8.5
11	58° 40.4' N 148° 50.5' W	L	7	100	14	2-3	200	3	9.9	1009.5	9.5	9.0
12	58° 52.5' N 148° 39.2' W	L	7	090	13	2	200	3	10.6	1008.1	10.9	10.1
13	58° 55.3' N 148° 36.7' W	L	8	093	12	2-3	220	4	10.8	1008.2	9.5	7.0
14	59° 05.7' N 148° 39.1' W	L	8	100	11	1-2	220	4	10.7	1007.5	10.2	9.4
15	59° 05.3' N 148° 57.3' W	L	8	095	12	2-3	220	4	10.8	1006.9	10.3	10.0
16	59° 05.4' N 148° 39.5' W	L	8	105	08	2-3	210	3	10.7	1005.9	10.4	10.0
17	59° 02.6' N 148° 42.1' W	L	8	070	11	2-3	—	—	10.4	1004.5	9.7	9.1
18	59° 12.0' N 148° 52.2' W	L	8	098	10	2-3	—	—	10.5	1003.0	10.0	10.0
19	59° 16.7' N 148° 57.9' W	L	4	050	14	2-3	—	—	10.4	1002.6	11.2	10.0
20	59° 15.0' N 148° 59.0' W	L	3	040	15	3-4	—	—	10.4	1000.9	11.0	10.0
21	59° 16.1' N 148° 58' W	R	3	055	24	4-6	—	—	10.3	999.5	10.0	10.0
22	59° 18.8' N 148° 55.3' W	R	2-3	010	22	4-6	—	—	10.2	998.1	9.5	9.5
23	59° 24.7' N 149° 1.6' W	R	<2	357	22	6-8	—	—	10.2	996.9	9.0	9.0
24	59° 28.2' N 149° 08.9' W	R	<2	348	24	6	—	—	10.6	997.0	9.0	8.4

REMARK

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP				DAY		DATE		TIME ZONE				
MILLER FREEMAN				TUESDAY		01 OCT 02		+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	59° 33.7' N 149° 12.3' W	R	4	340	31	8-10	/	/	11.4	995.9	8.1	8.0
02	59° 37.7' N 149° 16.8' W	R	4.5	310	24	8	/	/	11.4	995.0	8.6	7.7
03	59° 40.9' N 149° 22.2' W	R	6-7	310	14	6	/	/	11.0	996.1	8.3	7.4
04	59° 49.3' N 149° 24.8' W	R	7	315	15	6	/	/	10.9	995.0	7.7	7.0
05	59° 57.3' N 149° 26.6' W	R	7	310	8	6	/	/	11.0	995.0	7.8	6.9
06	59° 57.3' N 149° 26.6' W	PC	9	300	7	5	CONF	4	10.9	995.0	7.7	8.0
07	59° 36.2' N 149° 17.1' W	PC	10	250	9	2-3	350	4	11.0	995.0	9.2	8.2
08	59° 34.2' N 149° 17.7' W	PC	10	260	20	2-4	/	/	10.9	994.9	11.0	9.0
09	59° 34.4' N 149° 14.6' W	PC	10	250	26	3-5	/	/	10.9	995.0	12.9	10.0
10	59° 34.6' N 149° 9.5' W	PC	10	250	24	7-10	/	/	11.0	995.5	14.5	11.2
11	59° 34.3' N 149° 11.0' W	PC	12	250	24	7-10	250	8	10.9	995.9	15.5	12.5
12	59° 36.0' N 149° 14.8' W	PC	12	250	26	7-10	/	/	10.4	995.9	10.9	7.8
13	59° 37.2' N 149° 18.6' W	PC	12	265	12	7	/	/	10.4	996.8	10.9	7.9
14	59° 44.9' N 149° 29.7' W	PC	12	340	14	2-3	/	/	10.8	997.6	11.5	7.6
15	59° 44.5' N 149° 14.9' W	PC	12	295	07	1-2	210	6-8	10.8	998.8	11.7	8.5
16	59° 45.5' N 149° 00.7' W	PC	12	265	14	1-2	230	5-7	11.0	999.0	11.9	7.3
17	59° 46.0' N 149° 51.0' W	PC	10	270	10	2-3	240	4-6	10.6	999.5	13.5	10.0
18	59° 42.5' N 149° 15.0' W	PC	10	293	08	2-3	225	4-6	10.7	1001.0	15.0	10.9
19	59° 41.2' N 149° 32.5' W	PC	10	339	05	2-3	210	4-6	10.8	1002.0	13.2	10.1
20	59° 43.8' N 149° 15.6' W	PC	10	300	08	2-3	240	4-6	10.6	1003.0	11.0	8.0
21	59° 42.2' N 149° 20.9' W	PC	10	320	08	2-3	240	4-6	10.6	1004.0	11.0	9.0
22	59° 44.5' N 149° 20.2' W	PC	10	310	04	2-3	240	4	10.6	1005.1	11.2	9.0
23	59° 37.5' N 149° 41.6' W	PC	10	310	06	2	240	5-7	10.7	1007.0	11.0	8.0
24	59° 23.9' N 149° 05.6' W	PC	10	300	06	3	240	6	10.5	1008.0	11.3	7.1
REMARKS												

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP	DAY	DATE	TIME ZONE
MILLER FREEMAN R223	WEDNESDAY	2-OCT-02	+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	59° 16.0' N 148° 52.2' W	CL	12	280	23	6-8	/	/	10.5	1008.7	11.0	8.5
02	59° 18.0' N 148° 58.3' W	PC	12	280	23	6-8	/	/	10.4	1009.8	11.8	8.8
03	59° 17.5' N 148° 51.5' W	PC	12	285	25	6-8	/	/	10.3	1010.6	10.8	8.6
04	59° 18.4' N 148° 54.6' W	PC	10	290	15	3-4	240	3-5	10.4	1011.2	11.0	8.5
05	59° 18.4' N 148° 52.7' W	PC	10	280	18	3-4	240	4-6	10.4	1011.2	11.0	8.8
06	59° 18.0' N 148° 58.8' W	PC	10	309	14	3	240	5	10.3	1011.6	10.9	9.1
07	59° 18.3' N 148° 59.4' W	PC	10	300	07	2-3	265	4-6	10.4	1013.0	10.5	8.9
08	59° 18.8' N 149° 3.0' W	PC	10	330	10	2-3	240	4-6	10.1	1014.5	11.2	9.0
09	59° 18.0' N 149° 5.1' W	PC	10	330	10	2-3	240	4-6	10.0	1015.0	12.0	9.0
10	59° 18.0' N 149° 2.3' W	PC	10	330	09	2-3	240	4-6	10.3	1015.9	13.0	10.0
11				OPS								
12	59° 17.8' N 148° 58.4' W	PC	12	350	15	3-4	240	4-6	10.1	1017.1	10.0	10.4
13	59° 17.8' N 148° 57.4' W	CL	12	340	14	2-3	240	4-6	10.1	1017.6	11.0	10.7
14	59° 19.0' N 148° 00.7' W	CL	12	350	07	2-3	240	4-5	10.4	1018.0	11.5	10.0
15	59° 17.7' N 148° 59.3' W	CL	12	340	10	2-3	240	3-4	10.3	1018.3	11.1	8.9
16				OPS								
17	59° 15.8' N 148° 56.8' W	C	12	340	06	1-2	220	3-4	10.3	1018.9	13.2	10.7
18	59° 16.5' N 148° 57.5' W	C	12	240	06	1-2	260	3-4	10.2	1019.2	13.8	11.5
19	59° 17.6' N 148° 56.1' W	C	12	240	05	1	250	3-4	10.2	1019.7	11.9	9.7
20	59° 17.4' N 148° 52.0' W	PC	10	260	03	1	250	3-4	10.1	1020.0	11.5	10.0
21	59° 18.3' N 148° 19.9' W	PC	12	270	05	1	250	3-4	10.4	1020.1	10.5	9.0
22	59° 19.5' N 148° 38.0' W	PC	12	270	04	1	250	3-4	10.4	1020.5	10.0	9.0
23	59° 20.7' N 148° 26.1' W	C	12	260	04	1	250	3-4	9.9	1021.0	10.0	8.5
24	59° 22.1' N 148° 14.7' W	C	12	260	07	1	250	3	10.7	1021.0	10.2	9.8

REMARKS

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP MILLER FREEMAN	DAY Thursday	DATE 3-OCT-02	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	59°23.4'N 148°12.4'W	C	12	260	06	1	250	3	10.6	1021.8	10.2	9.6
02	59°21.9'N 148°12.2'W	C	12	265	07	1	250	3	10.7	1021.9	10.3	9.3
03	59°21.6'N 148°13.4'W	C	12	230	04	1	250	2-3	10.7	1022.0	10.5	8.7
04	59°21.3'N 148°13.3'W	C	12	CAV	CAV	<1	/	/	10.7	1022.0	10.5	8.7
05	59°20.73'N 148°13.83'W	C	12	/	/	<1	/	/	10.7	1022.1	10.3	8.7
06	59°20.52'N 148°15.08'W	C	12	/	/	<1	/	/	10.7	1022.1	10.3	8.7
07	59°21.07'N 148°16.00'W	C	12	018	2-3	<1	/	/	10.7	1022.1	10.3	9.0
08				OPS								
09	59°26.2'N 148°20.3'W	PC	12	085	06	<1	/	/	10.6	1022.0	11.0	10.0
10	59°38.0'N 148°37.6'W	PC	12	047	08	1	/	/	10.6	1022.0	11.0	9.0
11	59°39.5'N 148°38.8'W	PC	12	045	10	2-3	/	/	10.8	1022.5	10.0	8.0
12	59°44.16'N 149°02.21'W	CI	12	075	12	1-3	/	/	11.0	1022.7	10.6	10.1
13	59°47.2'N 149°04.9'W	PC	12	030	06	1-3	/	/	10.4	1022.0	9.0	7.0
14	59°46.7'N 149°04.4'W	CL	12	/	/	/	/	/	10.0	1022.1	11.9	9.8
15	59°47.9'N 149°04.4'W	CL	12	/	/	/	/	/	10.0	1022.1	11.9	9.8
16				FISHING								
17												
18												
19												
20												
21												
22												
23												
24												

REMARKS

DECK LOG - WEATHER OBSERVATION SHEET

[illegible]

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP		DAY		DATE		TIME ZONE						
MILLER FREEMAN R-223		SATURDAY		5-OCT-02		+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° 32.1' N 150° 45.3' W	R	5	058	27	5-6	/	/	9.1	1010.9	7.9	7.7
02	58° 29.1' N 150° 45.3' W	R	5	051	25	5-7	/	/	8.9	1008.9	8.4 ¹⁰	8.9
03	58° 24.0' N 150° 43.4' W	R	3-5	055	35	7	/	/	8.9	1008.8	8.2	7.8
04	58° 22.5' N 150° 41.3' W	R	3	065	35	8-10	/	/	9.2	1007.0	8.2	8.2
05	58° 19.1' N 150° 40.3' W	R	3	065	32	10-13	/	/	9.1	1005.5	8.6	8.6
06	58° 15.9' N 150° 38.9' W	R/CL	3	065	30	12-15	/	/	8.9	1005.5	8.8	8.7
07	58° 11.1' N 150° 37.2' W	CL	3	065	30	12-15	/	/	8.9	1004.8	9.0	8.8
08	58° 08.3' N 150° 36.6' W	L/CL	2	045	20	12-15	-	-	9.1	1004.4	8.6	8.6
09	58° 5.9' N 150° 35.7' W	L/CL	2	040	18	10-15	-	-	9.0	1003.8	10.0	10.0
10	58° 5.5' N 150° 26.5' W	CL	1-2	060	15	10-12	-	-		1003.7	9.8	9.8
11	58° 5.5' N 150° 26.5' W	F	4	211	11				9.0	1003.6	10.7	10.3
12	58° 57.0' N 150° 26.2' W	F	4	200	10	2-3 090	8-12		9.1	1003.8	10.2	10.2
13	58° 51.5' N 150° 25.1' W	F	4 1/2	230	10	2-3 090/210	3-10 6-8		9.1	1003.5	9.9	9.8
14	58° 06.9' N 150° 23.3' W	F	4 1/2	190	12	2-3 060/210	3-10 6-8		8.7	1003.1	10.0	9.9
15	58° 09.2' N 150° 21.8' W	F	4 1/2	200	10	2-3 060/210	3-10 6-8		9.0	1002.3	10.2	10.2
16	58° 13.0' N 150° 20.2' W	F	2	190	9	1-2 070/230	8-10 6-8		9.0	1002.4	10.3	10.1
17	58° 17.4' N 150° 17.9' W		4-5	180	09	1-2 070/230	8-10 6-8		8.7	1002.0	10.2	9.9
18	58° 22.36' N 150° 15.91' W	F	4-5	163	05	1-2	/	/	9.0	1001.0	10.2	10.1
19	58° 27.3' N 150° 14.3' W	L/F	3-5	175	09	1-2	confused		8.8	1000.5	10.3	10.1
20	58° 33.2' N 150° 11.9' W	F	2-3	190	06	1-2	/	/	9.5	999.4	11.0	10.5
21	58° 34.9' N 150° 09.3' W	L/F	1-2	180	19	3-5	CONFUSED		9.9	999.3	11.0	11.0
22	58° 34.3' N 150° 20.2' W	L/F	1-2	170	18	3-5	/	/	9.2	998.5	10.0	10.0
23	58° 34.1' N 150° 21.6' W	CL	2-3	150	20	3-5	/	/	9.9	998.2	12.0	11.0
24	58° 34.1' N 150° 24.5' W	CL	2-3	190	22	5-6	/	/	9.8	997.3	10.5	9.8
REMARKS												

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP				DAY		DATE		TIME ZONE				
MILLER FREEMAN R-223				SUNDAY		6-OCT-02		+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° 31.7' N 150° 25.7' W	PC	2-3	190	28	8-10	/	/	9.3	997.9	10.0	9.5
02	58° 28.3' N 150° 27.9' W	PC	2-3	210	23	8-10	/	/	9.1	997.5	10.2	10.0
03	58° 24.5' N 150° 18.9' W	PC	3-5	210	27	8-10	/	/	8.9	997.4	10.2	9.3
04	58° 21.7' N 150° 16.6' W	PC	3-5	210	24	8-10	/	/	8.9	997.9	10.2	9.8
05	58° 19.1' N 150° 14.8' W	P.C.	3-5	220	25	10-12	/	/	8.7	998.2	10.2	9.8
06	58° 15.3' N 150° 11.4' W	P.C.	5	230	26	10-12	/	/	8.9	999.0	11.0	10.0
07	58° 11.3' N 150° 07.4' W	P.C.	5	240	26	10-12	/	/	8.9	1000.0	11.2	10.5
08	58° 06.0' N 150° 03.5' W	PC	5	230	14	6-8	220	10-12	8.9	1002.4	10.5	10.0
09	58° 01.9' N 149° 59.7' W	PC	8	245	19	6-8	220	12-15	9.1	1003.6	11.5	10.8
10	58° 3.8' N 149° 58.2' W	PC	8	210	16	6-8	220	12-15	8.8	1004.9	14.0	12.0
11	58° 7.3' N 149° 58.5' W	PC	8	230	16	4-6	220	7-10	8.8	1006.0	12.0	11.0
12	58° 11.7' N 149° 56.4' W	PC	10	237	16	3-6	210	10-15	8.5	1006.5	12.7	11.1
13	58° 17.1' N 149° 52.6' W	PC	10	235	16	3-6	210	10-15	8.8	1007.5	11.8	10.2
14	58° 20.8' N 149° 50.6' W	PC	10	238	16	3-5	210	10-15	9.1	1008.3	11.1	9.9
15	58° 25.1' N 149° 41.2' W	C	10	210	12	3-5	210	10-15	9.4	1008.5	10.7	9.8
16	58° 21.8' N 149° 43.7' W	C	10	210	08	3-5	210	10-15	9.0	1009.1	12.9	11.4
17	58° 17.0' N 149° 40.8' W	C	10	217	14	3-5	210	10-15	9.7	1009.2	12.0	10.9
18	58° 10.3' N 149° 27.2' W	C	10	215	17	3-5	210	10-15	9.3	1010.6	10.5	10.0
19	58° 13.2' N 149° 39.4' W	PC	8	210	25	3-5	210	10-15	9.2	1010.2	10.1	9.2
20	58° 16.3' N 149° 52.2' W	C	5	210	18	3-5	210	10-15	8.9	1009.5	10.0	9.5
21	58° 19.7' N 150° 04.1' W	CL	8	200	15	3-5	220	10-15	9.0	1010.1	10.0	9.6
22	58° 21.9' N 150° 17.5' W	PC	8	200	20	3-5	220	10-15	9.0	1009.5	10.0	9.6
23	58° 23.3' N 150° 27.3' W	R	6-8	180	18	3-5	220	10-15	8.5	1009.0	10.0	9.8
24	58° 25.5' N 150° 43.1' W	R	2-3	180	20	5	220	10-15	9.1	1008.1	9.9	9.6

REMARKS

DECK LOG - WEATHER OBSERVATION SHEET

[illegible]

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP	DAY	DATE	TIME ZONE
MILLER FREEMAN R-223	TUESDAY	8-OCT-02	+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° 23.8' N 151° 25.1' W	PC	6-8	270	25	6-8	220	10-12	9.1	1016.8	9.3	7.8
02	57° 22.2' N 151° 27.2' W	PC	6-8	270	17	6-8	270	8-10	9.1	1016.8	9.8	7.3
03	57° 21.0' N 151° 31.3' W	PC	10	250	22	6-8	210	8-10	9.0	1016.2	9.2	6.4
04	57° 17.9' N 151° 31.8' W	P.C.	10	245	20	6-8	210	8-10	9.0	1016.2	10.0	7.7
05	57° 15.6' N 151° 27.8' W	P.C.	10	260	25	7-9	210	8-10	9.0	1016.5	9.5	7.0
06	57° 14.6' N 151° 29.5' W	PC	10	250	28	7-9	210	7-8	8.9	1016.2	9.5	7.0
07	57° 13.5' N 151° 19.0' W	P.C.	10	250	23	7-9	215	7-8	8.8	1016.3	9.5	7.5
08	57° 12.0' N 151° 17.0' W	PC	10	250	22	4-5	215	10-15	8.9	1016.0	9.0	7.0
09	57° 17.2' N 150° 51.2' W	CL	10	240	22	4-5	210	9-12	8.7	1016.2	10.0	8.0
10	57° 21.0' N 150° 32.5' W	PC	10	250	22	6-8	230	10-12	8.7	1015.5	10.7	8.5
11	57° 21.9' N 150° 35.1' W	PC	10	250	25	6-8	230	10-12	8.6	1016.0	9.0	7.0
12	57° 26.5' N 150° 42.2' W	PC	10	242	24	6-8	268	10	9.0	1015.3	8.8	6.4
13	57° 24.6' N 150° 47.1' W	PC	12	260	17	6-8	270	10	9.1	1015.8	9.6	6.9
14	57° 35.1' N 150° 35.4' W	PC	12	291	21	6-9	275	10-13	8.8	1015.8	12.5	10.3
15	57° 40.7' N 150° 06.1' W	PC	10	280	30	7-10	/	/	8.7	1016.1	8.8	6.8
16	57° 43.8' N 151° 10.8' W	PC	12	270	21	7-9	/	/	8.9	1015.7	9.6	7.1
17	57° 50.6' N 151° 21.3' W	PC	12	295	28	7-9	/	/	9.1	1015.9	8.7	5.5
18	57° 54.50' N 151° 27.36' W	PC	12	282	30	7-9	/	/	9.0	1015.0	8.6	5.6
19	57° 55.86' N 151° 29.77' W	PC	12	290	32	7-10	/	/	9.0	1016.5	8.5	5.5
20	57° 51.4' N 151° 32.1' W	PC	12	300	25	6-8	/	/	8.8	1019.2	8.0	5.0
21	58° 1.5' N 151° 42.7' W	PC	10	300	25	6-8	/	/	8.9	1019.0	7.0	4.0
22	58° 6.1' N 151° 42.3' W	PC	12	280	29	6-8	/	/	8.8	1019.1	6.2	4.0
23	58° 8.4' N 151° 50.9' W	PC	12	290	14	4-6	/	/	8.7	1020.0	6.5	4.5
24	58° 03.1' N 151° 53.6' W	PC	12	296	20	6-9	/	/	8.8	1020.1	6.6	4.7

REMARKS

DECK LOG - WEATHER OBSERVATION SHEET

NOAA SHIP MILLER FREEMAN	DAY WEDNESDAY 09 OCT 02	DATE 09 OCT 02	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	5	PE	10-12				-	-		1019.9	6.8	4.8
02	57° 54.4' N 152° 01.0' W	PC	10	274	25	5-8	-	-	8.7	1019.9	6.8	4.8
03	57° 47.9' N 152° 06.8' W	PC	12	282	20	6-9	-	-	9.0	1020.8	6.7	4.9
04	57° 43.5' N 152° 14.9' W	C	12	275	20	3-4	/	/	9.0	1021.4	6.8	4.9
05	57° 43.9' N 152° 16.2' W	C	12	270	18	3-4	/	/	9.0	1021.5	6.8	5.0
06	57° 43.9' N 152° 20.4' W	C	10	270	12	3-4	/	/	9.0	1021.9	6.8	5.5
07	57° 41.1' N											
08												
09												
10												
11												
12												
13												
14	57° 44.4' N 152° 27.6' W	C	10	340	06	<1	/	/	9.0	1023.5	10.0	7.8
15	57° 41.1' N 151° 59.5' W	PC	12	183	08	1	160	2	9.0	1023.3	10.0	
16	57° 38.9' N 151° 45.5' W	PC	12	228	9	<1	190	3-4	9.1	1023.2	9.9	7.9
17	57° 37.3' N 151° 20.5' W	PC	12	216	5	<1	190	3-4	9.0	1022.7	9.9	7.8
18	57° 30.4' N 150° 59.4' W	PC	12	208	8	1-2	190	3-4	8.7	1022.7	9.2	7.8
19	57° 26.9' N 150° 41.0' W	PC	12	214	11	3-5	230	4-6	8.4	1022.9	8.8	7.2
20	57° 22.4' N 150° 14.3' W	PC	12	160	08	3-5	230	4-6	9.2	1023.5	8.2	7.0
21	57° 18.3' N 149° 53.0' W	PC	12	160	08	3-5	/	/	10.4	1023.1	8.5	7.0
22	57° 14.5' N 149° 34.2' W	PC	12	200	06	3-4	/	/	10.5	1023.3	8.6	7.2
23	57° 09.5' N 149° 09.2' W	PC	12	190	07	3-4	-	-	10.5	1023.5	8.5	7.5
24	57° 04.7' N 148° 44.7' W	PC	12	196	07	3-4	-	-	10.7	1023.3	8.7	7.2

REMARKS

0800-1300 IN PORT KODIAK, AK